

Parts Manual



See "General Information"
for New Parts Manual
Features.

G3306 Gas Engine

G6X1-Up (Engine)

This Parts Manual is also available in .PDF Format on Compact Disc
(CD-ROM) - Caterpillar Form No. SERP3728

Product and Dealer Information

Note: For product identification plate locations, see the section “Product Identification Information” in the Operation and Maintenance Manual.

Delivery Date: _____

Product Information

Model: _____

Product Identification Number: _____

Engine Serial Number: _____

Transmission Serial Number: _____

Generator Serial Number: _____

Attachment Serial Numbers: _____

Attachment Information: _____

Customer Equipment Number: _____

Dealer Equipment Number: _____

Dealer Information

Name: _____ Branch: _____

Address: _____

	<u>Dealer Contact</u>	<u>Phone Number</u>	<u>Hours</u>
Sales:	_____	_____	_____
Parts:	_____	_____	_____
Service:	_____	_____	_____

Informations produit et concessionnaire

Nota: Voir l'emplacement de la plaque signalétique du produit au chapitre "Informations produit" du guide d'utilisation et d'entretien.

Date de livraison: _____

Informations produit

Modèle: _____

Numéro d'identification produit: _____

Numéro de série du moteur: _____

Numéro de série de la boîte de vitesses: _____

Numéro de série de l'alternateur: _____

Numéros de série d'équipement: _____

Informations sur l'équipement: _____

Numéro matériel client: _____

Numéro matériel concessionnaire: _____

Informations concessionnaire

Nom: _____ Agence: _____

Adresse: _____

Contact concessionnaire

Numéro de téléphone

Heures

Ventes: _____

Pièces: _____

Service: _____

Información del Producto/Distribuidor

Nota: Para saber la ubicación de las placas de identificación del producto, ver la sección “Información sobre identificación del producto” en el Manual de Operación y Mantenimiento.

Fecha de entrega: _____

Información del producto

Modelo: _____

Número de identificación del producto: _____

Número de serie del motor: _____

Número de serie de la transmisión: _____

Número de serie del generador: _____

Números de serie de los accesorios: _____

Información sobre los accesorios: _____

Número del equipo del cliente: _____

Número del equipo del distribuidor: _____

Información del distribuidor

Nombre: _____ Sucursal: _____

Dirección: _____

	<u>Comunicación con el distribuidor</u>	<u>Número de teléfono</u>	<u>Horas</u>
Ventas:	_____	_____	_____
Piezas:	_____	_____	_____
Servicio:	_____	_____	_____

Informações Sobre Produto e Revendedor

Nota: Para localizações da placa de identificação do produto, consulte a seção, “Informações Sobre Identificação do Produto” no Manual de Operação e Manutenção.

Data de Entrega: _____

Informações Sobre o Produto

Modelo: _____

Número de Identificação do Produto: _____

Número de Série do Motor: _____

Número de Série da Transmissão: _____

Número de Série do Gerador: _____

Números de Série de Acessórios: _____

Informações Sobre Acessórios: _____

Número do Equipamento do Cliente: _____

Número do Equipamento do Revendedor: _____

Informações Sobre o Revendedor

Nome: _____ Filial: _____

Endereço: _____

Contato do Revendedor

Telefone

Horas

Vendas: _____

Peças: _____

Serviço: _____

Produkt- und Händlerinformation

Anmerkung: Für die Lage der Produkt-Identnummer und Seriennummern siehe Abschnitt "Produkt-Identinformation" im Betriebs- und Wartungshandbuch.

Lieferdatum: _____

Produkt-Identinformation

Modell: _____

Produkt-Identnummer: _____

Seriennummer des Motors: _____

Seriennummer des Getriebes: _____

Seriennummer des Generators: _____

Seriennummern der Arbeitsgeräte: _____

Arbeitsgeräteinformation: _____

Kundennummer: _____

Händlernummer: _____

Händlerinformation

Name: _____ Niederlassung: _____

Adresse: _____

Kontaktperson beim Händler

Telefon

Dienststunden

Verkauf: _____

Ersatzteile: _____

Service: _____

MEMORANDA

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* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

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GENERAL INFORMATION

1. ENGINE IDENTIFICATION

Caterpillar engines are identified with Serial Numbers and Arrangement Numbers. In some cases, Modification Numbers are also used. The serial number plate which shows these numbers is mounted on the engine.

Caterpillar dealers need this information to determine which components were included on the engine when it was assembled at the factory. This permits accurate identification of replacement part numbers.

2. ORDERING PARTS

WARNING

When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.

Failure to heed this warning can lead to premature failures, product damage, personal injury or death.

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar Engines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the engine for which the parts are needed.

3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. An Engine Arrangement is an example of an information element. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

4. TABLE OF CONTENTS

A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

8. CAPTIONS

Captions located at the beginning each information element identify the part number and part name along with additional descriptive information. S/N information found in each caption should be used to select correct information for a specific engine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term (*contd.*) .

9. NON-SERVICED PARTS

In some instances it is necessary to display non-serviced parts that are a link to lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available. All consist lists have not been converted to reflect this enhancement.

GENERAL INFORMATION

10. PARTS LIST REFERENCE NUMBERS

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

13. ABBREVIATIONS AND SYMBOLS

O.D. – Outside Diameter
I.D. – Inside Diameter
A – Not Part Of This Group
B – Use As Required
C – Change From Previous Type
D – Order By The Meter
E – Order By The Centimeter
F – Not Shown
G – Order By The Inch
I – Refer To Hydraulic Information System
M – Metric Part
R – Remfg Part May Be Available
Y – Separate Illustration
Z – Not Serviced Separately



14. DESCRIPTION OF TYPE CHANGES

Type - A type is defined as any configuration change that requires an additional Information Element for an Arrangement, Group, or Assembly. If serial number breaks for types are not available, a type # (Type 1, Type 2, etc.) will be displayed in the caption. These "type" changes are identified with a "C" note (change from previous type) in the Parts List. Only the "types" that apply to this Parts Manual will be included. Additional types may exist causing "C" notes to appear on an Information Element when no other types are shown.

15. <END>

This symbol indicates the end of an information element.

NOTE:

Continuing improvement and advancement of product design may cause changes to your engine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

1. IDENTIFICATION DU MOTEUR

Les moteurs Caterpillar portent des numéros de série et des numéros de version. Dans certains cas, des numéros de modification sont aussi utilisés. Ces numéros figurent sur la plaque de numéro de série qui se trouve sur le moteur.

Les concessionnaires Caterpillar ont besoin de ces renseignements pour déterminer les composants inclus sur le moteur lors de l'assemblage à l'usine. Cela permet d'identifier les numéros de pièces de rechange avec précision.

2. COMMANDE DE PIÈCES



Lorsqu'il faut remplacer des pièces de rechange pour ce produit Caterpillar recommande d'utiliser les pièces de rechange Caterpillar ou les pièces qui ont des spécifications équivalentes dont les dimensions physiques, le type, la force et le matériau. Ces équivalences ne se limitent pas à l'énoncé précédent.

L'inobservation de cette mise en garde peut entraîner des défaillances prématurées, des dommages au produit, des blessures ou même la mort.

Les concessionnaires Caterpillar fournissent dans le monde entier des pièces de rechange de qualité Caterpillar. Leurs stocks de pièces sont constamment réapprovisionnés et comptent toutes les pièces nécessaires pour assurer la bonne marche de vos moteurs Caterpillar. Certains concessionnaires proposent également des kits de réparation ou des pièces rinnovées, ce qui permet de choisir la solution la plus économique dans une situation donnée. Lors des commandes de pièces, mentionner la quantité, le numéro de pièce et la désignation des pièces ainsi que le numéro de série/numéro d'identification (PIN) du moteur pour lequel ces pièces sont requises.

3. ORGANISATION DU CATALOGUE DE PIÈCES

Les renseignements sur les produits sont présentés sous forme de "Information element" (élément d'information) représentant tous les composants d'un modèle donné. "Engine Arrangement" (version de moteur) est un exemple d'un élément d'information. Les éléments d'information sont classés par ordre alphabétique par la désignation standard des pièces et par numéros de pièces dans chaque partie importante du manuel.

4. TABLE DES MATIÈRES



Nouvelle Caractéristique

La table des matières se trouve au début du manuel. La table des matières fournit la liste de tous les chapitres du manuel avec une liste complète de tous les éléments d'information classés par ordre d'apparition dans le manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

5. INDEX DES PIÈCES D'ENTRETIEN

La rubrique "Index des pièces d'entretien" qui se trouve au début du manuel renvoie aux pièces d'entretien les plus fréquemment utilisées en précisant la désignation, la quantité, là où la pièce est utilisée et le numéro de page. Ces pièces sont classés par ordre alphabétique.

6. INDEX

L'index qui se trouve vers le début du manuel est une liste alphabétique de tous les éléments d'information du manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

7. INDEX DES NUMÉROS DE PIÈCES

Une liste numérique de tous les numéros de pièces et des pages correspondantes se trouve à la fin du manuel.

8. LÉGENDES

Les légendes qui se trouvent en haut de chaque page de chaque élément d'information fournissent le numéro de pièce, la désignation ainsi que des renseignements supplémentaires sur les pièces. Les renseignements concernant les numéros de série (S/N) qui se trouvent dans chaque légende doivent être utilisés pour sélectionner les informations correctes pour un moteur donné. Les informations concernant les options de remplacement sur le chantier, l'identification des composants des équipements offerts en option et les lieux d'application sont aussi fournies.



Nouvelle Caractéristique

Les lettres de la première ligne d'une légende sont présentées en police plus grande afin d'indiquer le début d'une unité d'information. Les légendes qui pourraient être requises pour des pages supplémentaires afin d'illustrer une unité d'information seront présentées en police standard et comprendront le terme (à suivre).

9. PIÈCES NON FOURNIES



Nouvelle Caractéristique

Dans certains cas, il est nécessaire d'indiquer les pièces non fournies qui sont en aval de la liste des pièces d'entretien. Les numéros des pièces non fournies dans la liste des pièces et les légendes seront en italique pour signaler qu'ils ne sont pas disponibles.

10. NUMÉROS DE RÉFÉRENCE DE LA LISTE DES PIÈCES



Nouvelle Caractéristique

Les numéros indiqués dans la colonne des numéros de références correspondent aux numéros utilisés dans les illustrations auxquelles ils sont associés. Un suffixe alphabétique peut être ajouté à un numéro de référence pour identifier la liste des articles en aval. Les numéros indiqués dans la colonne de référence de l'illustration renvoient à l'identification du numéro affiché dans le coin inférieur gauche de chaque illustration. Le numéro de référence de l'illustration pourrait être utilisé avec le numéro de référence de l'article pour déterminer le numéro de pièce correct. Il peut y avoir une omission intentionnelle d'un numéro de référence dans une liste de pièces suite à la mise à jour des informations en vue de refléter les numéros de pièces les plus récentes.

11. DÉSIGNATIONS DE PIÈCES EN RETRAIT

Lorsqu'une désignation de pièce est en retrait, cela veut dire que l'article en regard fait partie de l'ensemble sous lequel il figure.

12. LETTRES DE RÉFÉRENCE DES ILLUSTRATIONS

Quand cela est nécessaire, les illustrations comportent des lettres de référence (A, B, C, etc.) pour montrer le trajet des canalisations et faisceaux de câbles d'un point à l'autre. Elles sont utilisées également pour indiquer où relier les illustrations séparées auparavant.

13. ABRÉVIATIONS ET SYMBOLES

- O.D.** – Diamètre extérieur
- I.D.** – Diamètre intérieur
- A** – Ne fait pas partie de ce groupe
- B** – Utiliser selon besoin
- C** – Modification
- D** – Commander par mètre
- E** – Commander par centimètre
- F** – Non représenté
- G** – Commander par pouce
- I** – Voir "Hydraulic Information System"
- M** – Pièce métrique
- R** – Pièce rénovée éventuellement disponible
- Y** – Illustration séparée
- Z** – Non fourni séparément

NOTA:

En raison du progrès technique et des améliorations continues apportées au matériel, votre moteur comporte peut-être des modifications qui n'apparaissent pas dans la présente publication. En cas de doute sur un détail de votre moteur Caterpillar ou sur le texte de la présente publication, adressez-vous à votre concessionnaire Caterpillar.

INFORMACIÓN GENERAL

1. IDENTIFICACIÓN DEL MOTOR

Los motores Caterpillar se identifican con Números de Identificación del Producto (PIN). El motor se identifica además con Números de Configuración y en algunos casos, Números de Modificación. Estos números están en las placas de identificación que se encuentran montadas en el motor.

Los distribuidores Caterpillar necesitan esta información para determinar que componentes fueron incluidos en el motor cuando lo ensamblaron en la fábrica. Estos números permiten identificar con exactitud los números de piezas de repuesto.

2. COMO PEDIR REPUESTOS

ADVERTENCIA

Cuando se necesiten piezas de repuesto para este producto, Caterpillar recomienda usar piezas de repuesto Caterpillar o piezas que tengan especificaciones equivalentes incluyendo, pero sin estar limitadas a, dimensiones físicas, tipo, fortaleza y material.

El no hacer caso de esta advertencia puede llevar a fallas prematuras, daños al producto y lesiones graves o mortales.

Las piezas de repuesto Caterpillar de calidad están disponibles de los distribuidores Caterpillar en todo el mundo. Sus existencias actualizadas incluyen todas las piezas normalmente requeridas para proteger su inversión en motores Caterpillar. Los distribuidores pueden tener juegos de reparación o piezas remanufacturadas para permitir la selección de la mejor alternativa de reparación en un caso en particular. Al pedir piezas de repuesto, especifique en su pedido la cantidad, el número de pieza, el nombre de la pieza y el número de serie/número de identificación del producto del motor para la cual se necesitan estas piezas.

3. ORGANIZACION DEL MANUAL DE PIEZAS

La información sobre el producto, se presenta en este manual, como "elementos de información" que representan todos los componentes de un modelo específico. Las configuraciones de motores es un ejemplo de un elemento de información. Los elementos de información están organizados primeramente por nombres de piezas en orden alfabético y en segundo lugar, por el número de pieza dentro de cada sección principal del manual.

4. CONTENIDO

La página de Contenido se encuentra al comienzo del manual. El Contenido indica cada sección del manual con una lista completa de todos los elementos de información organizados en el orden que aparecen en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

5. INDICE DE PIEZAS DE MANTENIMIENTO

Al frente de este catálogo se encuentra un índice de los números de piezas utilizadas más frecuentemente para el mantenimiento, que incluye descripción, cantidad necesaria, lugar de utilización y número de página. Esta información está organizada alfabéticamente, por descripción de la pieza.

6. ÍNDICE

El Índice, ubicado cerca frente del manual, es una lista en orden alfabético de todos los elementos de información incluidos en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

7. INDICE NUMÉRICO DE PIEZAS

Un índice numérico de piezas con el correspondiente número de página aparece al final de este catálogo.

8. TÍTULOS

Los títulos ubicados al principio de cada elementos de información identifican el número y el nombre de la pieza junto con información descriptiva adicional para ayudar al usuario a seleccionar información correcta para un motor en particular. También se suministra información sobre las opciones de reparación en el campo, la identificación de componentes de accesorios optativos y el lugar de ubicación de la pieza ("es parte de").

La primera línea del título se muestra con un tipo de letra más grande para indicar el comienzo de un elemento de información. Si se requieren páginas adicionales para ilustrar un elemento de información, los títulos se muestran con un tipo de letra normal y la continuación se indica entre paréntesis.

INFORMACIÓN GENERAL

9. PIEZAS QUE NO SE SUMINISTRAN COMO REPUESTO

En algunos casos es necesario indicar piezas que no se suministran como repuesto pero que pueden estar conectadas a listas de componentes de otras piezas de repuesto. En tal caso, dichas piezas se muestran en cursiva para indicar que no son piezas disponibles.

10. NÚMEROS DE REFERENCIA

Los números en la columna de No. de Referencia corresponden a los números indicados en la ilustración que pertenece a ese número de pieza. Los números que tienen un sufijo alfabético identifican artículos de las listas de componentes de piezas. Los números en la columna de Referencia de la ilustración se identifican en la esquina inferior izquierda de cada ilustración. Para determinar el número correcto de pieza se puede utilizar tanto el No. de Referencia de la ilustración como el No. de Referencia del artículo. A medida que se actualiza la información para indicar los más recientes números de piezas de repuesto, puede omitirse intencionalmente un No. de Referencia en una lista de componentes de piezas.

11. NOMBRES DE PIEZA SANGRADOS

Cuando el nombre de una pieza está sangrado en una lista, significa que esta pieza forma parte del grupo o conjunto del renglón inmediatamente superior.

12. LETRAS DE REFERENCIA DE ILUSTRACIONES

Las ilustraciones contienen algunas veces letras de referencia (A, B, C etc.) cuyo propósito es seguir el trayecto de líneas y mazos de cables de un punto a otro. También se utilizan para mostrar dónde volver a unir ilustraciones que se habían separado.

13. ABREVIATURAS Y SIMBOLOS

O.D. – Diámetro exterior
I.D. – Diámetro interior
A – No es pieza de este grupo
B – Utilizado según la demanda
C – Indica cambio
D – Se pide por metro
E – Se pide por centímetro
F – No se muestra
G – Se pide por pulgada
I – Consulte el sistema de información hidráulica
M – Pieza métrica
R – Puede estar disponible como pieza remanufacturada
Y – Ilustración separada
Z – No se suministra por separado



Nueva Característica

14. DESCRIPCIÓN DE LOS CAMBIOS DE TIPO

Tipo – Un tipo se define como cualquier cambio de configuración que requiere un Elemento de información adicional de una Configuración, Grupo o Conjunto. Si el número de serie se clasifica por tipos que no están disponibles, se mostrará un número de tipo (Tipo 1, Tipo 2, etc.) en el comentario de la fotografía. Estos cambios de "tipo" se identifican con una nota "C" (cambio con respecto al tipo anterior) en la Lista de Piezas. Se incluirían sólo los "tipos" que aplican a este Manual de Piezas. Es posible que haya tipos adicionales que causen la aparición de notas "C" en el Elemento de Información cuando no se muestran otros tipos."

15. <END>

Este símbolo indica el final de un elemento de información.

NOTA:

Las continuas mejoras y adelantos en diseño podrían originar cambios a su motor que no se incluyen en esta publicación. Cuando tenga alguna pregunta acerca de su producto Caterpillar o de esta publicación, consulte al distribuidor Caterpillar para obtener la información más reciente.

INFORMAÇÃO GERAL

1. IDENTIFICAÇÃO DO MOTOR

Os motores Caterpillar são identificadas pelos Números de Série e Números de Arranjo. Em alguns casos, Números de Modificação são também usados. A placa do número de série que exibe esses números encontra-se no motor.

Os revendedores Caterpillar necessitam destas informações para determinar que componentes foram incluídos no motor durante a montagem na fábrica. Isto facilita a identificação precisa dos números de peça de reposição.

2. COMO OBTER PEÇAS



Quando peças de substituição são exigidas para este produto, a Caterpillar recomenda a utilização de peças de substituição Caterpillar ou peças com as especificações equivalentes incluindo, mas não limitadas, à dimensões físicas, tipos, resistência e materiais.

A inobservância desta advertência poderá resultar em falhas prematuras, danos ao produto, ferimentos ou morte.

As Peças de Reposição de Qualidade Caterpillar encontram-se disponíveis nos revendedores Caterpillar no mundo inteiro. Seus estoques de peças são atualizados e incluem todas as peças normalmente necessárias para proteger seu investimento em motores Caterpillar. Alguns revendedores podem oferecer jogos de reparo ou peças de troca/remanufaturadas disponíveis como uma opção da alternativa de reparo mais eficaz para uma situação específica. Ao encomendar peças, seu pedido deve especificar a quantidade, o número e o nome da peça e o número de série/número de identificação do produto referentes ao motor para o qual as peças se destinam.

3. ORGANIZAÇÃO DO MANUAL DE PEÇAS

A informação do produto neste manual é apresentada em forma de "elementos de informação" que representam todos os componentes para o modelo específico. O Arranjo de Motor é um exemplo de elemento de informação. Os elementos de informação são organizados em ordem alfabética por nome de peça ou, secundariamente, por número de peça incluído em cada seção principal do manual.

4. LISTA DE CONTEÚDOS

A Lista de Conteúdos (TOC) se encontra no princípio do manual. A Lista de Conteúdos (TOC) relaciona em cada seção do manual uma lista completa com todos os elementos de informação organizados conforme aparecem no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

5. ÍNDICE DE PEÇAS DE MANUTENÇÃO

O Índice de Peças de Manutenção, localizado perto do princípio do manual, faz referência aos números de peça de manutenção usados com maior frequência, fornecendo uma descrição, a quantidade, o uso e o número de página. Esta informação é organizada com a descrição da peça em ordem alfabética.

6. ÍNDICE

O Índice localizado perto do princípio do manual, consiste de uma lista em ordem alfabética de todos os elementos de informação incluídos no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

7. ÍNDICE DE NÚMERO DE PEÇA

Um índice numérico relacionando todos os números de peça e a(s) página(s) correspondentes, aparece no final do manual.

8. LEGENDAS

As legendas localizadas no início de cada elemento de informação identifica o número de peça e o nome da peça, juntamente com informação descritiva adicional. Informações sobre o Número de Série (S/N) encontradas em cada legenda devem ser usadas para selecionar a informação correta sobre um motor específico. Opções de substituição no campo, identificação de componentes de acessórios opcionais e informações sobre onde são utilizados ("parte de") são também fornecidas.

A primeira linha de uma legenda é indicada em tipo maior para indicar o princípio de um elemento de informação. Legendas para páginas adicionais que podem ser necessárias para ilustrar um elemento de informação serão apresentadas em tipo padrão e incluirão o termo (*continua*) .

INFORMAÇÃO GERAL

9. NÃO DISPONÍVEL SEPARADAMENTE

Em alguns casos, é necessário mostrar peças não disponíveis separadamente que têm uma ligação com listas de conteúdos de nível inferior que podem receber serviço de manutenção. Os números de peça destes componentes não disponíveis aparecerão em *itálico*, a fim de indicar que não estão disponíveis.

10. NÚMEROS DE REFERÊNCIA À LISTA DE PEÇAS

Os números indicados na coluna Ref No (No. de Referência) correspondem-se aos números usados no(s) gráfico(s) correspondente(s). Um sufixo com letras pode ser acrescentado a um número de referência para identificar itens de conteúdo de nível inferior. Os números indicados na coluna Graphic Ref (Referência de Gráfico) referem-se ao identificador de número de gráfico presente no canto esquerdo inferior de cada ilustração. O número de Referência de Gráfico pode ser usado em combinação com o item Ref No para determinar-se o número de peça correto. Poderá haver omissão intencional de um número de referência (Ref No) de uma lista de conteúdos uma vez que as informações são atualizadas para refletir os números de peça mais recentes que podem receber serviço de manutenção.

11. NOMES DE PEÇAS DESALINHADOS

Quando um nome de peça encontra-se desalinhado numa lista de peças, significa que tal item faz parte do (está incluído no) grupo ou conjunto sob o qual está relacionado.

12. LETRAS DE REFERÊNCIA NAS ILUSTRAÇÕES

Quando necessário, as ilustrações contêm letras de referência (A, B, C, etc.) que são utilizadas para seguir tubulações e cabos elétricos de um ponto a outro. Também foram utilizadas para indicar onde se pode reconectar as ilustrações que foram separadas.

13. ABREVIACÕES E SÍMBOLOS

O.D. – "Outside Diameter" (Diâmetro Externo)

I.D. – "Inside Diameter" (Diâmetro Interno)

A – Não faz parte deste grupo

B – Use conforme necessário

C – Indica modificação

D – Vendido por metro

E – Vendido por centímetro

F – Não ilustrado

G – Vendido por polegada

I – Consultar o Sistema de Informações Hidráulicas

M – Peça métrica

R – Peça remanufaturada pode estar disponível; consulte o seu revendedor Cat

Y – Ilustração separada

Z – Não disponível separadamente



Novidades

14. <END>

Este símbolo indica o final de um elemento de informação.

NOTA:

Os contínuos aperfeiçoamentos e avanços no projeto do produto podem ocasionar modificações em seu motor que talvez ainda não estejam incluídas nesta publicação. Sempre que surgirem dúvidas quanto a um produto Caterpillar ou quanto à presente publicação, consulte o seu revendedor Caterpillar para obter as informações mais recentes disponíveis.

ALLGEMEINE HINWEISE

1. MOTORENKENNZEICHNUNG

Caterpillar-Motoren sind mit SERIAL NUMBERS (Seriennummern) und ARRANGEMENT NUMBERS (Ausführungsnummern) gekennzeichnet. In einigen Fällen werden auch MODIFICATION NUMBERS (Änderungsnummern) erteilt. Diese Nummern befinden sich auf dem Typenschild des Motors.

Die Caterpillar-Händler benötigen diese Nummern, um festzustellen, welche Bauteile bei der Montage des Motors verwendet wurden. Dies ermöglicht das Auffinden der richtigen Ersatzteilnummern.

2. BESTELLEN VON ERSATZTEILEN

WARNUNG

Wenn für diese Maschine Ersatzteile benötigt werden, empfiehlt Caterpillar, ausschließlich Caterpillar-Ersatzteile oder solche zu verwenden, die die gleichen technischen Merkmale hinsichtlich Typ, Festigkeit, Werkzeugeigenschaften und die gleichen Maße aufweisen.

Bei Nichtbeachtung dieser Warnung besteht Verletzungs- oder sogar Lebensgefahr! Ferner kann Nichtbeachtung vorzeitige Ausfälle der Teile und Beschädigung der Maschine zur Folge haben.

Original Caterpillar-Ersatzteile können weltweit bei jedem Caterpillar-Händler bestellt werden. Die umfangreichen Händlerlager enthalten normalerweise alle Teile, die Sie für Ihren Caterpillar-Motor benötigen. Einige Händler bieten Reparatursätze, Austausch- oder werküberholte Teile an, so daß Sie eine Auswahl unter verschiedenen Reparaturmöglichkeiten treffen können. Ihre Bestellung muß folgende Angaben enthalten: Anzahl der benötigten Teile, Bestellnummer, Bezeichnung des Teils und Serien-Nr./Produkt-Ident-Nr. des Motors, für den diese Teile benötigt werden.

3. AUFBAU DES PARTS MANUAL

Die Produktinformationen für alle Komponenten eines bestimmten Modells sind in INFORMATION ELEMENTS (Informationseinheiten) gegliedert. ENGINE ARRANGEMENT (Motorausführung) ist ein Beispiel für solche Informationseinheiten. Sie sind innerhalb jeder Gruppe alphabetisch, entsprechend der Ersatzteilbezeichnung, und zusätzlich numerisch, entsprechend der Ersatzteilnummer, geordnet.

4. INHALTSVERZEICHNIS

Das Inhaltsverzeichnis befindet sich am Anfang des Buches. Im Inhaltsverzeichnis werden die einzelnen Abschnitte des Buches aufgeführt. Die Abschnitte enthalten eine vollständige Aufstellung aller Informationseinheiten. Diese sind entsprechend ihrem Erscheinen im Buch geordnet. Das Inhaltsverzeichnis enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

5. INDEX FÜR WARTUNGSTEILE

Der Index für Wartungsteile vorn im Buch enthält die Bestellnummern, Seitenangaben, Mengenangaben und Informationen über den Einsatzbereich für die am häufigsten benötigten Ersatzteile. Die Angaben sind alphabetisch entsprechend der Teilebezeichnung geordnet.

6. INDEX

Der Index vorn im Buch enthält eine alphabetische Liste aller Informationseinheiten. Er enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

7. INDEX FÜR BESTELLNUMMERN

Hinten im Buch befindet sich ein numerischer Index, mit allen Bestellnummern und dem Hinweis auf die Seite, auf der sich die betreffende Abbildung befindet.

8. ÜBERSCHRIFTEN

Die Überschriften, die sich am Anfang jeder der Informationseinheiten befinden, enthalten Bestellnummern, Ersatzteilbezeichnungen und zusätzliche beschreibende Informationen. Die Seriennummern in den Überschriften sollten zur Auswahl der richtigen Informationen für den betreffenden Motor verwendet werden. Die Überschriften enthalten außerdem Informationen über möglichen Außendienstersatz, mögliche Baugerätekomponenten und die Baugruppe, zu der das Teil gehört.

Die erste Zeile einer Überschrift erscheint in einer größeren Schriftart, um den Anfang einer Informationseinheit zu kennzeichnen. Überschriften für zusätzliche Seiten, die zur Erläuterung einer Informationseinheit notwendig sind, erscheinen in normaler Schriftart und enthalten den Begriff "(contd.)".

ALLGEMEINE HINWEISE

9. NICHT EINZELN LIEFERBARE TEILE

In einigen Fällen ist es notwendig nicht lieferbare Teile, die selbst mit einer eigenen Teilliste im Buch vertreten sind, aufzuführen. Die Bestellnummern dieser nicht einzeln lieferbaren Teile erscheinen kursiv, wodurch angezeigt wird, daß sie nur in Verbindung mit anderen Teilen lieferbar sind.

10. REFERENZNUMMER FÜR ERSATZTEILE

Die Zahlen, die in der Spalte "Ref No" aufgeführt sind, stimmen mit den Zahlen in den beigegeführten Abbildungen überein. Ein Buchstaben-Suffix kann zu einer Referenznummer hinzugefügt werden, um zu kennzeichnen, daß das Teil mit einer eigenen Teilliste im Buch aufgeführt ist. Die in der Spalte "Graphic Ref" angeführten Zahlen verweisen auf die Identifikationsnummer der Abbildung, die sich in der linken unteren Ecke der Abbildung befindet. Diese Nummer kann zusammen mit der Referenznummer des Teils angegeben werden, um die richtige Ersatzteilnummer zu ermitteln. Referenznummern können absichtlich weggelassen werden, da die Nummern der lieferbaren Ersatzteile ständig aktualisiert werden.

11. EINGERÜCKTE BEZEICHNUNGEN

Wenn eine Bezeichnung eingerückt ist, wird dadurch angezeigt, daß das Teil zu einer Baugruppe gehört, unter deren Bezeichnung es eingerückt ist.

12. REFERENZBUCHSTABEN

Falls erforderlich sind in den Abbildungen Referenzbuchstaben enthalten (z.B. A, B, C, usw.), die Leitungen und Kabelbäume von einem Punkt zum anderen verfolgen. Außerdem geben sie die Stelle an, an der getrennte Abbildungen fortgesetzt werden.

13. ABKÜRZUNGEN UND SYMBOLE

O.D. – Außendurchmesser
I.D. – Innendurchmesser
A – kein Teil dieser Gruppe
B – nach Bedarf verwenden
C – Hinweis auf eine Änderung
D – in Meter-Länge bestellen
E – in Zentimeter-Länge bestellen
F – nicht gezeigt
G – in Zoll-Länge bestellen
I – siehe Hydraulikinformationssystem
M – metrisches Teil
R – werküberholtes Teil unter Umständen lieferbar
Y – separate Abbildung
Z – nicht einzeln lieferbar



Neu im Parts Manual

14. BESCHREIBUNG DER TYPENÄNDERUNGEN

Typ-A bezieht sich auf alle Konfigurationsänderungen, die ein zusätzliches Informationselement für Ausführung, Gruppe oder Einheit benötigen. Wenn kein Seriennummernumbruch für Typen erhältlich ist, wird in der Überschrift eine Typennummer (Typ 1, Typ 2, etc.) angegeben. Diese "Typenänderungen" sind in der Teileliste mit der Anmerkung "C" (Änderung des vorherigen Typs) versehen. Es werden nur die für dieses Ersatzteillhandbuch relevanten "Typen" angegeben. Es können zusätzliche Typen vorhanden sein, was zu "C" Anmerkungen zu einem Informationselement führen kann, wenn keine anderen Typen angegeben werden.

15. <END>

Dieses Symbol zeigt das Ende eines Informationselements an.

ANMERKUNG:

Ständig vorgenommene Verbesserungen und Weiterentwicklungen an Ihrem Motor können Änderungen verursachen, die in der vorliegenden Ausgabe noch nicht berücksichtigt sind. Fragen zu Ihrem Caterpillar-Motor oder diesem Ersatzteillbuch beantwortet Ihr Caterpillar-Händler.

REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R* at the beginning of the first line of the caption
- with an *R at the end of the first line of the caption

Typical components included in the Remanufacturing Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS
PISTONS
SHORT BLOCKS
STARTERS
TURBOCHARGERS - COMPLETE
TURBOCHARGER CARTRIDGES
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

OPTIONS DE RÉPARATION

COMPOSANTS RÉNOVÉS

Comme option de réparation, considérer les composants rénovés Caterpillar. Les composants disponibles dans le cadre du programme Caterpillar de composants rénovés sont identifiés de trois façons dans le catalogue de pièces:

- avec la lettre "R" dans l'espace note de la liste des pièces
- avec R* au début de la première ligne des légendes
- avec *R à la fin de la première ligne des légendes

Les composants suivants figurent parmi les composants typiques du programme de rénovation:

ALTERNATEURS
BIELLES
VILEBREQUINS - SOUS-DIMENSIONNÉS
VILEBREQUINS - REMIS À NEUF
CULASSES
MODULES DE COMMANDE ÉLECTRONIQUE (ECM)
CAPTEURS ÉLECTRONIQUES
INJECTEURS
TÊTES D'INJECTEURS
POMPES À CARBURANT
RÉGULATEURS
POMPES À HUILE
PISTONS
BLOCS EMBIELLÉS
DÉMARREURS
TURBOCOMPRESSEURS - COMPLETS
CARTOUCHES DE TURBOCOMPRESSEUR
POMPES À EAU

Des moteurs rénovés sont aussi disponibles pour plusieurs versions de moteur.

ALTERNATIVAS DE REPARACIÓN

COMPONENTES REMANUFACTURADOS

Al hacer reparaciones, tenga en cuenta la opción de Componentes Remanufacturados Caterpillar. Los componentes que están disponibles por medio del programa de Productos Remanufacturados Caterpillar se identifican de tres maneras en el manual de piezas:

- con la letra R en el espacio de Nota de la lista de piezas
- con una R* al comienzo de la primera línea de la leyenda
- con una *R al final de la primera línea de la leyenda

Los componentes que se incluyen típicamente en el Programa de Productos Remanufacturados son:

ALTERNADORES
BIELAS
CIGÜEÑALES - BAJOMEDIDA
CIGÜEÑALES - REMANUFACTURADOS A NUEVO
CULATAS
MÓDULOS DE CONTROL ELECTRÓNICO (ECM)
SENSORES ELECTRONICOS
INYECTORES
BOQUILLAS
BOMBAS DE COMBUSTIBLE
REGULADORES
BOMBAS DE ACEITE
PISTONES
MONOBLOQUES
MOTORES DE ARRANQUE
TURBOCOMPRESORES - COMPLETOS
NÚCLEOS DE TURBOCOMPRESOR
BOMBAS DE AGUA

También hay disponibles motores Remanufacturados Caterpillar para muchas de las configuraciones de motores.

ALTERNATIVAS DE REPARO

COMPONENTES REMANUFATURADOS

Considere o uso de Componentes Remanufaturados Caterpillar ao efetuar reparos. Os componentes disponíveis através do Programa de Remanufatura Caterpillar são identificados de três formas no manual de peças:

- com um R na área da nota da lista de peças
- com um R* no princípio da primeira linha da legenda
- com um *R no final da primeira linha da legenda

Os componentes típicos que constam no Programa de Remanufatura incluem:

ALTERNADORES
BIELAS
VIRABREQUINS - SUBMEDIDAS
VIRABREQUINS - ATUALIZAÇÃO
CABEÇOTES
MÓDULOS DE CONTROLE ELETRÔNICO (ECM)
SENSORES ELETRÔNICOS
INJETORES DE COMBUSTÍVEL
BICOS DE ABASTECIMENTO DE COMBUSTÍVEL
BOMBAS DE COMBUSTÍVEL
GOVERNADORES
BOMBAS DE ÓLEO
PISTÕES
BLOCOS BÁSICOS DO MOTOR
MOTORES DE PARTIDA
TURBOALIMENTADORES - COMPLETOS
CARTUCHOS DE TURBOALIMENTADORES
BOMBAS D'ÁGUA

Motores Remanufaturados Caterpillar também encontram-se disponíveis para diversos arranjos de motor.

REPARATURALTERNATIVEN

WERKÜBERHOLTE AT-PRODUKTE

Bei Reparaturen sollten werküberholte AT-Produkte von Caterpillar in Betracht gezogen werden. Die durch das AT-Programm von Caterpillar erhältlichen Teile sind im Parts Book auf drei verschiedene Arten gekennzeichnet:

- mit dem Buchstaben R in der Spalte NOTE der Ersatzteilliste
- mit einem R* am Anfang der ersten Zeile der Überschrift
- mit einem *R am Ende der ersten Zeile der Überschrift

Das AT-Programm umfaßt u.a. folgende Produkte:

DREHSTROMGENERATOREN
PLEUELSTANGEN
KURBELWELLEN - MIT UNTERMASSE
KURBELWELLEN - MIT ORIGINALMASSE
ZYLINDERKÖPFE
ELEKTRONISCHE STEUEREINHEITEN (EMC)
ELEKTRONISCHE SENSOREN
PUMPENDÜSEN
EINSPRITZDÜSEN
KRAFTSTOFFPUMPEN
DREHZAHLREGLER
ÖLPUMPEN
KOLBEN
TEILMOTOREN
ANLASSER
TURBOLADER - KOMPLETT
TURBOLADERLAUFZEUGE
KÜHLWASSERPUMPEN

Viele Motoren können durch werküberholte AT-Motoren von Caterpillar ersetzt werden.

SUPPLEMENTAL COOLANT ADDITIVES

CUSTOMER BENEFITS:

Protects against cavitation, foam, erosion, corrosion, and scale buildup in cooling systems.

- Provides measured coolant conditioner.

DESCRIPTION:

Additives deplete from the coolant with normal operation. For this reason, Supplemental Coolant Additives (SCA) must be added to all heavy duty coolants at regular intervals. In addition, when not using a fully formulated, pre-charged antifreeze, like Caterpillar's DEAC, an initial charge of SCA must be added to the cooling system. The amount of SCA added to the system is dependent on the capacity of the system.

The SCA for initial fill is provided as a liquid. SCA's for maintenance intervals are available in liquid form and as a spin-on element. (No Spin-on available for 3600 Family of Engines)

NOTE:

The amount of SCA added at initial fill is not the same as the amount added at maintenance intervals.

The coolant additive elements can be used with any ethylene or propylene glycol type antifreeze which meets ASTM D4985 or ASTM D5345 Specifications.

NOTE:

For use with standard heavy duty coolant only, not for use with Extended Life Coolant.

PARTS NEEDED:

Cooling System Capacity		Liquid SCA at Initial Fill	Liquid SCA at Maintenance*	Spin-on SCA Maintenance Element*
Liters	Gallons			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* Normal maintenance period is 250 hrs. See your Operation and Maintenance Manual for complete coolant maintenance instructions.

() Indicates quantity required.

ADDITIFS POUR LIQUIDE DE REFROIDISSEMENT

AVANTAGES POUR LE CLIENT

L'additif protège contre la cavitation, la mousse, l'érosion, la corrosion et l'accumulation de dépôts dans le circuit de refroidissement.

- L'additif complémentaire fournit une quantité mesurée d'additif.

DESCRIPTION:

Les additifs s'épuisent pendant l'utilisation du moteur. C'est pourquoi l'on doit ajouter de l'additif au liquide de refroidissement/antigel pour moteurs diesel à intervalles réguliers. En plus, si l'on n'utilise pas de l'antigel entièrement formulé et pré-chargé comme le liquide de refroidissement/antigel Caterpillar pour moteurs diesel, une quantité initiale d'additif doit être ajoutée au circuit de refroidissement. La quantité d'additif à ajouter au circuit dépend de la contenance du circuit.

L'additif pour le remplissage initial est fourni sous forme liquide. L'additif pour l'entretien ultérieur est disponible sous forme liquide et sous forme d'élément à visser. (Il n'y a pas d'élément à visser pour les moteurs de la famille 3600).

NOTA:

La quantité d'additif à ajouter au remplissage initial diffère de la quantité à ajouter aux intervalles d'entretien.

Les éléments d'additif peuvent être utilisés avec tout antigel de type éthylène ou propylène-glycol conforme à la norme ASTM D4985 ou ASTM D5345.

NOTA:

A utiliser uniquement avec du liquide de refroidissement pour moteurs diesel et non avec le liquide de refroidissement longue durée.

PIÈCES NÉCESSAIRES:

Contenance du circuit de refroidissement		Additif liquide au remplissage initial	Additif liquide aux intervalles d'entretien*	Élément d'additif à visser aux intervalles d'entretien*
Litres	Gallons U.S.			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* L'intervalle d'entretien normal est de 250 heures-service. Voir le Guide d'utilisation et d'entretien pour de plus amples renseignements concernant l'entretien du circuit de refroidissement.

() Indique la quantité exigée.

ADITIVOS DE REFRIGERANTE SUPLEMENTARIOS

VENTAJAS PARA EL USUARIO:

Protegen contra la cavitación, la formación de espuma, la corrosión y la acumulación de escamas en los sistemas de enfriamiento.

- Suministra un acondicionador dosificado de refrigerante.

DESCRIPCIÓN:

Los aditivos en el refrigerante se agotan con la operación normal. Por esta razón, se debe agregar Aditivo de refrigerante suplementario (SCA) a todos los refrigerantes para servicio pesado, a intervalos regulares. Además, cuando no se usa un anticongelante de precarga completo, tal como el DEAC de Caterpillar, es necesario agregar una cantidad de aditivo de refrigerante suplementario inicial al sistema de enfriamiento. La cantidad de aditivo que se debe agregar depende de la capacidad del sistema.

El SCA de llenado inicial es líquido. El que se usa para el mantenimiento está disponible tanto en líquido como en un elemento enroscable. (No hay elemento enroscable disponible para la Familia de Motores 3600).

NOTA:

La cantidad de aditivo de llenado inicial no es la misma que se agrega en los intervalos de mantenimiento.

Los elementos de aditivo de refrigerante se pueden usar con cualquier anticongelante de tipo glicol etilénico o propílico que esté de acuerdo con las especificaciones de las normas ASTM D4985 o ASTM D5345.

NOTA:

Se debe utilizar únicamente con refrigerante estándar para servicio pesado; no se debe usar con Refrigerante de Larga Duración.

PIEZAS NECESARIAS:

Capacidad del Sistema de Enfriamiento		SCA líquido de llenado inicial	SCA líquido de mantenimiento*	Elemento de mantenimiento enroscable*
litros	gal EE.UU.			
22-30	6-8	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	8-10	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	10-13	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	13-17	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	17-22	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	22-30	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	30-43	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	43-64	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* El período normal de mantenimiento es de 250 horas. Para ver las instrucciones completas sobre el mantenimiento del refrigerante, consulte el Manual de Operación y Mantenimiento.

() Indica la cantidad necesaria.

ADITIVOS SUPLEMENTARES DO LÍQUIDO ARREFECEDOR

BENEFÍCIOS PARA O CLIENTE:

Protege contra cavitação, espuma, erosão, corrosão e acúmulo de crostas nos sistemas de arrefecimento.

- Fornece uma quantidade pré-determinada de condicionador de arrefecimento.

DESCRIÇÃO:

Com a operação normal, os aditivos se esgotam do líquido arrefecedor. Por isso, Aditivos Suplementares do Líquido Arrefecedor (SCA) devem ser acrescentados a todos os líquidos arrefecedores para serviço pesado em intervalos regulares. Além disso, quando um anticongelante pré-carregado, totalmente formulado não for usado, como o DEAC Caterpillar, uma carga inicial de SCA deve ser acrescentada ao sistema de arrefecimento. A quantidade de SCA acrescentada ao sistema depende da capacidade do sistema.

O SCA para abastecimento inicial é fornecido em forma de líquido. Os aditivos suplementares (SCA) para intervalos de manutenção estão à disposição em forma líquida e como um elemento com roscas. (Exceto os Motores da Família 3600)

NOTA:

A quantidade de SCA adicionada no abastecimento inicial não é a mesma que a acrescentada nos intervalos de manutenção.

Os elementos do aditivo do líquido arrefecedor podem ser usados com qualquer tipo de anticongelante etileno ou propileno que satisfaz as Especificações ASTM D4985 ou ASTM D5345.

NOTA:

Para uso apenas com líquido arrefecedor para serviço pesado padrão, não deve ser usado com Líquido Arrefecedor de Vida Longa.

PEÇAS NECESSÁRIAS:

Capacidade do Sistema de Arrefecimento		Líquido SCA Durante Abastecimento Inicial	Líquido SCA Durante Manutenção*	Elemento de Manutenção de SCA com Roscas*
Litros	Galões			
22-30	6-8	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	8-10	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	10-13	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	13-17	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	17-22	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	22-30	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	30-43	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	43-64	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* O período normal de manutenção é de 250 horas. Consulte o Manual de Operação e Manutenção para obter instruções completas quanto à manutenção do líquido arrefecedor.

() Indica a quantidade exigida.

KÜHLMITTELZUSATZ

VORTEILE FÜR DEN KUNDEN:

Schutz gegen Kavitation, Schaumbildung, Erosion, Korrosion und Kesselsteinbildung in Kühlsystemen.

- Richtig dosierter Kühlmittelzusatz

BESCHREIBUNG:

Additive erschöpfen sich während des Motorbetriebs. Deshalb muß allen HD-Kühlmitteln regelmäßig Kühlmittelzusatz beigelegt werden. Wenn bei Erstfüllung kein vollwertiges Fertigkühlmittel, wie das Frostschutz- und Kühlmittel für Dieselmotoren von Caterpillar (DEAC), verwendet wird, muß bei Erstfüllung Kühlmittelzusatz beigelegt werden. Wieviel Kühlmittelzusatz beigelegt werden muß, hängt vom Inhalt des Kühlsystems ab.

Für Erstfüllung ist Kühlmittelzusatz nur in flüssiger Form erhältlich. Für Wartungsintervalle ist Kühlmittelzusatz in flüssiger Form und als Zusatzelement erhältlich. (Für die Motorbaureihe 3600 sind keine Zusatzelemente erhältlich.)

ANMERKUNG:

Die Kühlmittelmenge bei Erstfüllung ist nicht die gleiche Menge, die bei Wartungsintervallen beigelegt werden muß.

Die Kühlmittelzusatzelemente können mit allen Frostschutzmitteln auf Ethylen- oder Propylenglykollbasis verwendet werden, die den Standards nach ASTM D4985 oder ASTM D5345 entsprechen.

ANMERKUNG:

Den Kühlmittelzusatz nicht mit Langzeitkühlmittel (ELC) von Caterpillar verwenden. Der Kühlmittelzusatz ist nur für HD-Kühlmittel bestimmt.

TEILEBEZEICHNUNG:

Kühlsysteminhalt		Kühlmittelzusatz bei Erstfüllung	Flüssiger Kühlmittelzusatz bei Wartung*	Kühlmittelzusatzelement bei Wartung*
Liter	US-Gall.			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* Der normale Wartungsintervall beträgt 250 Betriebsstunden. Für vollständige Anweisungen zur Wartung des Kühlsystems, siehe Betriebs- und Wartungshandbuch.

() Erforderliche Anzahl

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
AIR INLET AND EXHAUST SYSTEM				
BREATHER (AIR INLET)	8M-2665	1	TURBOCHARGER GP	170
	9G-5127	1	TURBOCHARGER GP	167
		1	TURBOCHARGER GP	170
BREATHER (EXHAUST)	9G-5127	1	TURBOCHARGER GP	166
FILTER ELEMENT AS-AIR (PRIMARY)	6I-2499	1	AIR CLEANER GP	121
	7W-5495	1	AIR CLEANER GP	125
FILTER ELEMENT AS-AIR (PRIMARY, STANDARD EFFICIENCY)	6I-2501	1	AIR CLEANER GP	123
FILTER ELEMENT AS-AIR (SECONDARY)	6I-2500	1	AIR CLEANER GP	121
	6I-2502	1	AIR CLEANER GP	123
BASIC ENGINE				
SEAL-INTEGRAL (VALVE COVER)	133-1247	1	COVER GP-VALVE MECHANISM	14
COOLING SYSTEM				
CAP-PRESSURE (7-PSI) (EXPANSION TANK)	6L-8617	1	TANK GP-EXPANSION	117
CAP-PRESSURE (7-PSI) (RADIATOR)	6L-8617	1	RADIATOR GP	109
		1	RADIATOR GP	116
ELEMENT AS-COOLANT CONDITIONER	9N-3718	1	COOLANT CONDITIONER GP	74
	9N-6123	1	COOLANT CONDITIONER GP	74
FILTER AS-ENGINE OIL (STANDARD EFFICIENCY)	1R-0716	1	COOLER GP-FLTR BASE & ENG OIL	77
HOSE-ENGINE OUTLET	8N-5474	1	RADIATOR GP	114
HOSE-RADIATOR OUTLET	133-6518	1	RADIATOR GP	114
REGULATOR-WATER TEMPERATURE (86-DEG C TO 97-DEG C)	116-7577	1	HOUSING & REGULATOR GP	87
		1	HOUSING & REGULATOR GP	88
		1	HOUSING & REGULATOR GP	89
ROD AS-ZINC	5L-7685	2	HEAT EXCHANGER GP-SEA WATER	85
ROD-ZINC	6L-2280	1	HEAT EXCHANGER GP-SEA WATER	85

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
ELECTRICAL AND STARTING SYSTEM				
BATTERY GP (12-VOLT, MAINTENANCE FREE, DRY)	115-2421	2	BATTERY GP	262
BATTERY (12-VOLT)	3T-5857	2	BATTERY GP	256
	9X-9720	2	BATTERY GP	260
BATTERY (12-VOLT, MAINTENANCE FREE)	153-5656	2	BATTERY GP	257
BATTERY (6-VOLT)	153-5690	4	BATTERY GP	258
CAP AS-FILLER (BATTERY)	123-1373	6	BATTERY GP	261
		6	BATTERY GP	262
CIRCUIT BREAKER AS (10-AMPERE)	6T-3642	1	BOX GP-JUNCTION	263
CIRCUIT BREAKER AS (12.5-AMPERE)	1N-9770	1	BOX GP-JUNCTION	266
CIRCUIT BREAKER AS (20-AMPERE)	6T-3644	1	BOX GP-JUNCTION	263
CIRCUIT BREAKER GP (60-AMPERE)	6T-3645	1	CIRCUIT BREAKER GP	269
FUSE (10-AMPERE)	3K-8782	1	SHUTOFF GP-ELECTRICAL	340
FUSE (12-AMPERE)	131-3472	1	BATTERY CHARGER GP	255
FUSE (15-AMPERE)	131-3474	1	BATTERY CHARGER GP	255
FUSE (20-AMPERE)	8M-0456	1	SHUTOFF GP-ELECTRICAL	339
FUSE (35-AMPERE)	131-3475	1	BATTERY CHARGER GP	255
LAMP AS (RED) (3 TERMINAL)	5N-5499	1	CONTROL GP-MANUAL START/STOP	286
		1	CONTROL GP-MANUAL START/STOP	287
		3	CONTROL GP-MANUAL START/STOP	288
		3	CONTROL GP-MANUAL START/STOP	289
LAMP (24-VOLT) (CLEAR)	3N-5719	4	CONTROL GP-AUTO START/STOP	280
		4	CONTROL GP-AUTO START/STOP	282
		1	CONTROL GP-MANUAL START/STOP	284
		1	CONTROL GP-MANUAL START/STOP	286
		1	CONTROL GP-MANUAL START/STOP	287
		3	CONTROL GP-MANUAL START/STOP	288
		3	CONTROL GP-MANUAL START/STOP	289
SPARK PLUG	2N-2839	6	IGNITION GP-GAS ENGINE	301
		6	IGNITION GP-GAS ENGINE	303
		6	IGNITION GP-GAS ENGINE	305
		6	IGNITION GP-GAS ENGINE	307
	4W-2256	6	IGNITION GP-GAS ENGINE	309
		6	IGNITION GP-GAS ENGINE	311
		6	IGNITION GP-GAS ENGINE	313
		6	IGNITION GP-GAS ENGINE	315
V-BELT (ALTERNATOR)	5L-3979	1	ALTERNATOR GP-CHARGING	250
		1	ALTERNATOR GP-CHARGING	252
FUEL SYSTEM				
ELEMENT-GAS FILTER	4P-4719	1	FILTER GP-FUEL	210
FUSE (0.75-AMPERE)	7T-0037	1	GOVERNOR AS-ELECTRONIC	211
		1	GOVERNOR AS-ELECTRONIC	213
		1	GOVERNOR AS-ELECTRONIC	214
		1	GOVERNOR GP-ELECTRONIC	222
		3	BOX AS-GOVERNOR PREREGULATOR	176
FUSE (10-AMPERE)	3K-8782	1	GOVERNOR AS-ELECTRONIC	212
		1	GOVERNOR AS-ELECTRONIC	215
FUSE (20-AMPERE)	8M-0456	1	CONTROL GP-FUEL	192

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
LUBRICATION SYSTEM				
BREATHING AS (CRANKCASE)	2W-9162	1	BREATHING GP	58
CAP AS-FILLER (ENGINE OIL)	6N-2985	1	FILLER GP-ENGINE OIL	59
OPERATOR STATION				
BATTERY (LITHIUM) (3-VOLT)	101-1785	1	MODULE GP-SYSTEM COMMUNICATION	424
CIRCUIT BREAKER AS (100-AMPERE)	4W-9616	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (1200-AMPERE)	4W-9304	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (125-AMPERE)	4W-9617	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (12.5-AMPERE)	1N-9770	1	PANEL AR-CONTROL	433
CIRCUIT BREAKER AS (150-AMPERE)	4W-9618	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (175-AMPERE)	5N-3353	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (20-AMPERE)	200-8577	1	PANEL AR-CONTROL	433
CIRCUIT BREAKER AS (200-AMPERE)	5N-3352	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (250-AMPERE)	5N-3350	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (400-AMPERE)	7W-2318	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (60-AMPERE)	4W-9612	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (600-AMPERE)	4W-9302	1	PANEL AR-CONTROL	430
CIRCUIT BREAKER AS (70-AMPERE)	4W-9613	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (80-AMPERE)	4W-9614	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER AS (800-AMPERE)	4W-9303	1	PANEL AR-CONTROL	430
CIRCUIT BREAKER AS (90-AMPERE)	4W-9615	1	PANEL AR-CONTROL	431
CIRCUIT BREAKER GP (20-AMPERE)	9H-1958	1	PANEL GP-CONTROL	437
FUSE (0.75-AMPERE)	7T-0037	1	PANEL GP-CONTROL	437
		2	PANEL AR-CONTROL	432
FUSE (10-AMPERE)	3K-8782	16	PANEL AR-CONTROL	434
		20	PANEL GP-CONTROL	436
FUSE (2-AMPERE)	7W-0482	2	MODULE GP-SYNCHRONIZING LIGHTS	418
		2	MODULE GP-SYNCHRONIZING LIGHTS	419
		2	MODULE GP-SYNCHRONIZING LIGHTS	420
		3	PANEL AR-CONTROL	429
		3	PANEL AR-CONTROL	431
		3	PANEL GP-CONTROL	436
		3	PANEL AR-CONTROL	434
LAMP AS (RED)	5N-5499	1	MODULE GP-SYNCHRONIZING LIGHTS	419
		1	MODULE GP-SYNCHRONIZING LIGHTS	420
LAMP (120-VOLT, 6-WATT)	5N-3615	2	MODULE GP-SYNCHRONIZING LIGHTS	418
LAMP (120-VOLT, 6-WATT) (CLEAR)	5N-3615	2	MODULE GP-SYNCHRONIZING LIGHTS	416
		2	MODULE GP-SYNCHRONIZING LIGHTS	417
		2	MODULE GP-SYNCHRONIZING LIGHTS	419
		2	MODULE GP-SYNCHRONIZING LIGHTS	420
		2	MODULE GP-SYNCHRONIZING LIGHTS	421

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
		2	MODULE GP-SYNCHRONIZING LIGHTS	422
LAMP (24-VOLT)	3N-5719	8	MODULE GP-ALARM	408
		1	PANEL AR-CONTROL	429
		4	PANEL AR-CONTROL	432
LAMP (24-VOLT) (CLEAR)	3N-5719	4	MODULE GP-ALARM	407
		4	MODULE GP-ALARM	412
		4	MODULE GP-ALARM	413
		1	MODULE GP-SYNCHRONIZING LIGHTS	419
		1	MODULE GP-SYNCHRONIZING LIGHTS	420
		1	MODULE GP-SYNCHRONIZING LIGHTS	417
LAMP (24-VOLT, 5.6-WATT) (CLEAR)	7N-5876	2	LAMP GP-PANEL ILLUMINATION	405
		2	PANEL AR-CONTROL	434

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
CIRCUIT DE CARBURANT				
ÉLÉMENT DE FILTRE À GAZ	4P-4719	1	FILTRE A CARBURANT (ASS)	210
FUSIBLE (0,75A)	7T-0037	3	COFFRE - CÂBLAGE D'ÉQUIPEMENT (ENS)	176
		1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	211
		1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	213
		1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	214
		1	REGULATEUR ELECTRONIQUE (ASS)	222
FUSIBLE (10A)	3K-8782	1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	212
		1	RÉGULATEUR - ÉLECTRONIQUE (ENS)	215
FUSIBLE (20A)	8M-0456	1	COMMANDE DE CARBURANT (ASS)	192
CIRCUIT DE GRAISSAGE				
BOUCHON DE GOULOTTE DE REMPLISSAGE (ENS) (HUILE MOTEUR)	6N-2985	1	BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS)	59
RENIFLARD (ENS) (CARTER)	2W-9162	1	RENIFLARD (ASS)	58
CIRCUIT DE REFROIDISSEMENT				
COUVERCLE DE PRESSION (7-PSI) (RADIATEUR)	6L-8617	1	RADIATEUR (ASS)	116
		1	RADIATEUR (ASS)	109
COUVERCLE DE PRESSION (7-PSI) (RÉSERVOIR D'EXPANSION)	6L-8617	1	RESERVOIR D'EXPANSION (ASS)	117
ELEMENT D'ADDITIF POUR LIQUIDE DE REFROIDISSEMENT	9N-3718	1	ADDITIF POUR LIQUIDE DE REFROIDISSEMENT (ASS)	74
	9N-6123	1	ADDITIF POUR LIQUIDE DE REFROIDISSEMENT (ASS)	74
FILTRE A HUILE MOTEUR (ENS) (EFFICACITÉ STANDARD)	1R-0716	1	SUPPORT DE FILTRE ET REFROIDISSEUR D'HUILE MOTEUR	77
FLEXIBLE DE SORTIE DE MOTEUR	8N-5474	1	RADIATEUR (ASS)	114
FLEXIBLE DE SORTIE DE RADIATEUR	133-6518	1	RADIATEUR (ASS)	114
THERMOSTAT-TEMPÉRATURE D'EAU (*86-DEG C TO 97-DEG C)	116-7577	1	THERMOSTAT ET BOITIER (ASS)	87
		1	THERMOSTAT ET BOITIER (ASS)	88
		1	THERMOSTAT ET BOITIER (ASS)	89
TIGE DE ZINC (ENS)	5L-7685	2	ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	85
TIGE-ZINC	6L-2280	1	ÉCHANGEUR THERMIQUE-EAU DE MER (ASS)	85
CIRCUIT ELECTRIQUE ET DE DEMARRAGE				
AMPOULE (24 VOLTS) (EFFACEMENT)	3N-5719	4	COMMANDE DE DÉMARRAGE/ARRÊT AUTOMATIQUE	280
		4	COMMANDE DE DÉMARRAGE/ARRÊT AUTOMATIQUE	282

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
		1	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	284
		1	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	286
		1	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	287
		3	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	288
		3	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	289
BATTERIE (ASS) (12V, SANS ENTRETIEN, SEC)	115-2421	2	BATTERIE (ASS)	262
BATTERIE (12 VOLTS)	9X-9720	2	BATTERIE (ASS)	260
	3T-5857	2	BATTERIE (ASS)	256
BATTERIE (12V, SANS ENTRETIEN)	153-5656	2	BATTERIE (ASS)	257
BATTERIE (*6-VOLT)	153-5690	4	BATTERIE (ASS)	258
BOUCHON DE GOULOTTE DE REMPLISSAGE (ENS) (BATTERIE)	123-1373	6	BATTERIE (ASS)	261
		6	BATTERIE (ASS)	262
BOUGIE D'ALLUMAGE	2N-2839	6	ALLUMAGE DE MOTEUR A GAZ (ASS)	301
		6	ALLUMAGE DE MOTEUR A GAZ (ASS)	303
		6	ALLUMAGE DE MOTEUR A GAZ (ASS)	305
		6	ALLUMAGE DE MOTEUR A GAZ (ASS)	307
	4W-2256	6	ALLUMAGE DE MOTEUR A GAZ (ASS)	309
		6	ALLUMAGE DE MOTEUR A GAZ (ASS)	311
		6	ALLUMAGE DE MOTEUR A GAZ (ASS)	313
		6	ALLUMAGE DE MOTEUR A GAZ (ASS)	315
COURROIE TRAPEZOIDALE (ALTERNATEUR)	5L-3979	1	ALTERNATEUR DE CHARGE (ASS)	250
		1	ALTERNATEUR DE CHARGE (ASS)	252
DISJONCTEUR (ASS) (60A)	6T-3645	1	DISJONCTEUR (ASS)	269
DISJONCTEUR (ENS) (10A)	6T-3642	1	COFFRE DE BRANCHEMENT	263
DISJONCTEUR (ENS) (12,5A)	1N-9770	1	COFFRE DE BRANCHEMENT	266
DISJONCTEUR (ENS) (20A)	6T-3644	1	COFFRE DE BRANCHEMENT	263
FUSIBLE (10A)	3K-8782	1	ARRÊT ÉLECTRIQUE	340
FUSIBLE (12-AMPÈRES)	131-3472	1	CHARGEUR DE BATTERIE (ASS)	255
FUSIBLE (15A)	131-3474	1	CHARGEUR DE BATTERIE (ASS)	255
FUSIBLE (20A)	8M-0456	1	ARRÊT ÉLECTRIQUE	339
FUSIBLE (35A)	131-3475	1	CHARGEUR DE BATTERIE (ASS)	255
LAMPE (ENS) (ROUGE) (3 BORNES)	5N-5499	1	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	286
		1	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	287
		3	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	288
		3	COMMANDE MANUELLE DÉMARRAGE/ARRÊT (ASS)	289
MOTEUR				
JOINT INTÉGRÉ (CACHE-SOUPAPES)	133-1247	1	CACHE-SOUPAPES (ASS)	14
POSTE DE CONDUITE				

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
AMPOULE (120V, 6W)	5N-3615	2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	418
AMPOULE (120V, 6W) (EFFACEMENT)	5N-3615	2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	416
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	417
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	419
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	420
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	421
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	422
AMPOULE (*24-VOLT, 5.6-WATT) (EFFACEMENT)	7N-5876	2	PANNEAU DE COMMANDE (VERSION)	434
		2	LAMPE - ÉCLAIRAGE TABLEAU (ASS)	405
AMPOULE (24 VOLTS)	3N-5719	8	MODULE D'ALARME (ASS)	408
		4	PANNEAU DE COMMANDE (VERSION)	432
		1	PANNEAU DE COMMANDE (VERSION)	429
AMPOULE (24 VOLTS) (EFFACEMENT)	3N-5719	4	MODULE D'ALARME (ASS)	407
		4	MODULE D'ALARME (ASS)	412
		4	MODULE D'ALARME (ASS)	413
		1	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	419
		1	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	420
		1	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	417
BATTERIE (LITHIUM) (3V)	101-1785	1	MODULE - SYSTÈME DE COMMUNICATION (ASS)	424
DISJONCTEUR (ASS) (20A)	9H-1958	1	PANNEAU DE COMMANDE (ASS)	437
DISJONCTEUR (ENS) (100A)	4W-9616	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (1200-AMPÈRES)	4W-9304	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (125A)	4W-9617	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (12,5A)	1N-9770	1	PANNEAU DE COMMANDE (VERSION)	433
DISJONCTEUR (ENS) (150A)	4W-9618	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (175A)	5N-3353	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (20A)	200-8577	1	PANNEAU DE COMMANDE (VERSION)	433
DISJONCTEUR (ENS) (200A)	5N-3352	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (250A)	5N-3350	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (400A)	7W-2318	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (60A)	4W-9612	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (600A)	4W-9302	1	PANNEAU DE COMMANDE (VERSION)	430
DISJONCTEUR (ENS) (70 AMPÈRES)	4W-9613	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (80A)	4W-9614	1	PANNEAU DE COMMANDE (VERSION)	431
DISJONCTEUR (ENS) (800A)	4W-9303	1	PANNEAU DE COMMANDE (VERSION)	430
DISJONCTEUR (ENS) (90A)	4W-9615	1	PANNEAU DE COMMANDE (VERSION)	431
FUSIBLE (0,75A)	7T-0037	2	PANNEAU DE COMMANDE (VERSION)	432
		1	PANNEAU DE COMMANDE (ASS)	437
FUSIBLE (10A)	3K-8782	20	PANNEAU DE COMMANDE (ASS)	436
		16	PANNEAU DE COMMANDE (VERSION)	434

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PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
FUSIBLE (2A)	7W-0482	2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	418
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	419
		2	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	420
		3	PANNEAU DE COMMANDE (ASS)	436
		3	PANNEAU DE COMMANDE (VERSION)	431
		3	PANNEAU DE COMMANDE (VERSION)	434
		3	PANNEAU DE COMMANDE (VERSION)	429
LAMPE (ENS) (ROUGE)	5N-5499	1	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	419
		1	MODULE - VOYANTS DE SYNCHRONISATION (ASS)	420
SYSTEME D'ÉCHAPPEMENT ET D'ADMISSION D'AIR				
ÉLÉMENT DE FILTRE À AIR (ENS) (*PRIMARY, STANDARD EFFICIENCY)	6I-2501	1	FILTRE A AIR (ASS)	123
ÉLÉMENT DE FILTRE À AIR (ENS) (PRINCIPAL)	6I-2499	1	FILTRE A AIR (ASS)	121
	7W-5495	1	FILTRE A AIR (ASS)	125
ÉLÉMENT DE FILTRE À AIR (ENS) (SECONDAIRE)	6I-2500	1	FILTRE A AIR (ASS)	121
	6I-2502	1	FILTRE A AIR (ASS)	123
RENIFLARD (ADMISSION D'AIR)	8M-2665	1	TURBOCOMPRESSEUR (ASS)	170
	9G-5127	1	TURBOCOMPRESSEUR (ASS)	167
		1	TURBOCOMPRESSEUR (ASS)	170
RENIFLARD (ÉCHAPPEMENT)	9G-5127	1	TURBOCOMPRESSEUR (ASS)	166

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PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
MOTOR BÁSICO				
SELLO, INTEGRAL (TAPA DE VÁLVULA)	133-1247	1	TAPA DEL MECANISMO DE VÁLVULAS (GR)	14
PUESTO DEL OPERADOR				
BATERÍA (LITIO) (*3-VOLT)	101-1785	1	MODULO DEL SISTEMA DE COMUNICACION (GR)	424
DISYUNTOR (CONJ) (100-AMPERIOS)	4W-9616	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (1.200 AMPERIOS)	4W-9304	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (12,5 AMPERIOS)	1N-9770	1	TABLERO DE CONTROL (CONFIG)	433
DISYUNTOR (CONJ) (125-AMPÉRIOS)	4W-9617	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (150-AMPERIOS)	4W-9618	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (175-AMPERIOS)	5N-3353	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (20-AMPERIOS)	200-8577	1	TABLERO DE CONTROL (CONFIG)	433
DISYUNTOR (CONJ) (200-AMPERIOS)	5N-3352	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (250-AMPERIOS)	5N-3350	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (400 AMPERIOS)	7W-2318	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (60 AMPERIOS)	4W-9612	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (600 AMPERIOS)	4W-9302	1	TABLERO DE CONTROL (CONFIG)	430
DISYUNTOR (CONJ) (70-AMPERIOS)	4W-9613	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (80 AMPERIOS)	4W-9614	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR (CONJ) (800-AMPERIOS)	4W-9303	1	TABLERO DE CONTROL (CONFIG)	430
DISYUNTOR (CONJ) (90-AMPERIOS)	4W-9615	1	TABLERO DE CONTROL (CONFIG)	431
DISYUNTOR DE CIRCUITO (GR) (20-AMPERIOS)	9H-1958	1	TABLERO DE CONTROL (GR)	437
FUSIBLE (0.75-AMPERIOS)	7T-0037	2	TABLERO DE CONTROL (CONFIG)	432
		1	TABLERO DE CONTROL (GR)	437
FUSIBLE (10-AMPERIOS)	3K-8782	16	TABLERO DE CONTROL (CONFIG)	434
		20	TABLERO DE CONTROL (GR)	436
FUSIBLE (2-AMPERIOS)	7W-0482	2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	419
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	420
		3	TABLERO DE CONTROL (CONFIG)	429
		3	TABLERO DE CONTROL (CONFIG)	431
		3	TABLERO DE CONTROL (CONFIG)	434
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	418
		3	TABLERO DE CONTROL (GR)	436
LÁMPARA (CONJ) (ROJO)	5N-5499	1	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	419
		1	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	420
LÁMPARA (120-VOLTIOS, 6-VATIOS)	5N-3615	2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	418
LÁMPARA (120-VOLTIOS, 6-VATIOS) (SERVICIO)	5N-3615	2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	416
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	417
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	419

* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	420
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	421
		2	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	422
LÁMPARA (*24-VOLT, 5.6-WATT) (SERVICIO)	7N-5876	2	TABLERO DE CONTROL (CONFIG)	434
		2	LÁMPARA DE ILUMINACIÓN DEL PANEL (GR)	405
LÁMPARA (24 VOLTIOS)	3N-5719	1	TABLERO DE CONTROL (CONFIG)	429
		4	TABLERO DE CONTROL (CONFIG)	432
		8	MODULO DE ALARMA (GR)	408
LÁMPARA (24 VOLTIOS) (SERVICIO)	3N-5719	1	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	419
		1	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	420
		1	MÓDULO DE LUCES DE SINCRONIZACIÓN (GR)	417
		4	MODULO DE ALARMA (GR)	407
		4	MODULO DE ALARMA (GR)	412
		4	MODULO DE ALARMA (GR)	413
SISTEMA DE ADMISION DE AIRE Y ESCAPE				
ELEMENTO DEL FILTRO DE AIRE (CONJ) (PRIMARIO)	6I-2499	1	FILTRO DE AIRE (GR)	121
	7W-5495	1	FILTRO DE AIRE (GR)	125
ELEMENTO DEL FILTRO DE AIRE (CONJ) (*PRIMARY, STANDARD EFFICIENCY)	6I-2501	1	FILTRO DE AIRE (GR)	123
ELEMENTO DEL FILTRO DE AIRE (CONJ) (SECUNDARIO)	6I-2500	1	FILTRO DE AIRE (GR)	121
	6I-2502	1	FILTRO DE AIRE (GR)	123
RESPIRADERO (ADMISIÓN DE AIRE)	8M-2665	1	TURBOCOMPRESOR (GR)	170
	9G-5127	1	TURBOCOMPRESOR (GR)	167
		1	TURBOCOMPRESOR (GR)	170
RESPIRADERO (ESCAPE)	9G-5127	1	TURBOCOMPRESOR (GR)	166
SISTEMA DE COMBUSTIBLE				
ELEMENTO DE FILTRO DE COMBUSTIBLE	4P-4719	1	FILTRO DE COMBUSTIBLE (GR)	210
FUSIBLE (0.75-AMPERIOS)	7T-0037	1	REGULADOR ELECTRÓNICO (CONJ)	211
		1	REGULADOR ELECTRÓNICO (CONJ)	213
		1	REGULADOR ELECTRÓNICO (CONJ)	214
		1	REGULADOR ELECTRONICO (GR)	222
		3	CAJA DE PREREGULADOR DE REGULADOR (CONJ)	176
FUSIBLE (10-AMPERIOS)	3K-8782	1	REGULADOR ELECTRÓNICO (CONJ)	212
		1	REGULADOR ELECTRÓNICO (CONJ)	215
FUSIBLE (20-AMPERIOS)	8M-0456	1	CONTROL DE COMBUSTIBLE	192

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PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA DE ENFRIAMIENTO				
ELEMENTO ACONDICIONADOR DE REFRIGERANTE (CONJ)	9N-3718	1	ACONDICIONADOR DE REFRIGERANTE (GR)	74
	9N-6123	1	ACONDICIONADOR DE REFRIGERANTE (GR)	74
FILTRO DE ACEITE DEL MOTOR (CONJ) (GRUPO DE LAMPARA-TABLERO)	1R-0716	1	ENFRIADOR DE ACEITE DEL MOTOR Y BASE DEL FILTRO	77
MANGUERA-SALIDA DEL MOTOR	8N-5474	1	RADIADOR (GR)	114
REGULADOR DE TEMPERATURA DEL AGUA (*86-DEG C TO 97-DEG C)	116-7577	1	REGULADOR Y CAJA (GR)	87
		1	REGULADOR Y CAJA (GR)	88
		1	REGULADOR Y CAJA (GR)	89
SALIDA DEL RADIADOR, MANGUERA	133-6518	1	RADIADOR (GR)	114
TAPA DE PRESION (7 LB/PULG2) (RADIADOR)	6L-8617	1	RADIADOR (GR)	109
		1	RADIADOR (GR)	116
TAPA DE PRESION (7 LB/PULG2) (TANQUE DE EXPANSION)	6L-8617	1	TANQUE DE EXPANSIÓN (GR)	117
VARILLA DE CINK	6L-2280	1	INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	85
VARILLAS DE CINC (CONJ)	5L-7685	2	INTERCAMBIADOR DE CALOR DE AGUA DE MAR (GR)	85
SISTEMA DE LUBRICACIÓN				
RESPIRADERO (CONJ) (CÁRTER DEL MOTOR)	2W-9162	1	RESPIRADERO (GR)	58
TAPA DE LLENADO (CONJ) (ACEITE DEL MOTOR)	6N-2985	1	TUBO DE LLENADO DE ACEITE (GR)	59
SISTEMA ELECTRICO Y DE ARRANQUE				
BATERÍA (GR) (*12-VOLT, MAINTENANCE FREE, DRY)	115-2421	2	BATERÍA (GR)	262
BATERÍA (12 VOLTIOS)	3T-5857	2	BATERÍA (GR)	256
	9X-9720	2	BATERÍA (GR)	260
BATERÍA (12-VOLTIOS, LIBRE DE MANTENIMIENTO)	153-5656	2	BATERÍA (GR)	257
BATERÍA (*6-VOLT)	153-5690	4	BATERÍA (GR)	258
BUJIA DE ENCENDIDO	2N-2839	6	ENCENDIDO DEL MOTOR DE GAS (GR)	301
		6	ENCENDIDO DEL MOTOR DE GAS (GR)	303
		6	ENCENDIDO DEL MOTOR DE GAS (GR)	305
		6	ENCENDIDO DEL MOTOR DE GAS (GR)	307
	4W-2256	6	ENCENDIDO DEL MOTOR DE GAS (GR)	309
		6	ENCENDIDO DEL MOTOR DE GAS (GR)	311
		6	ENCENDIDO DEL MOTOR DE GAS (GR)	313

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PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
		6	ENCENDIDO DEL MOTOR DE GAS (GR)	315
CORREA TRAPEZOIDAL (ALTERNADOR)	5L-3979	1	CARGA - ALTERNADOR DE (GR)	250
		1	CARGA - ALTERNADOR DE (GR)	252
DISYUNTOR (CONJ) (10-AMPERIOS)	6T-3642	1	CAJA DE EMPALMES (GR)	263
DISYUNTOR (CONJ) (12,5 AMPERIOS)	1N-9770	1	CAJA DE EMPALMES (GR)	266
DISYUNTOR (CONJ) (20-AMPERIOS)	6T-3644	1	CAJA DE EMPALMES (GR)	263
DISYUNTOR DE CIRCUITO (GR) (60 AMPERIOS)	6T-3645	1	DISYUNTOR DE CIRCUITO (GR)	269
FUSIBLE (10-AMPERIOS)	3K-8782	1	CORTE ELÉCTRICO (GR)	340
FUSIBLE (12 AMPERIOS)	131-3472	1	CARGADOR DE BATERÍAS (GR)	255
FUSIBLE (15 AMPERIOS)	131-3474	1	CARGADOR DE BATERÍAS (GR)	255
FUSIBLE (20-AMPERIOS)	8M-0456	1	CORTE ELÉCTRICO (GR)	339
FUSIBLE (35- AMPERIOS)	131-3475	1	CARGADOR DE BATERÍAS (GR)	255
LÁMPARA (CONJ) (ROJO) (3 TERMINALES)	5N-5499	1	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	286
		1	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	287
		3	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	288
		3	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	289
LÁMPARA (24 VOLTIOS) (SERVICIO)	3N-5719	4	CONTROL AUTOMÁTICO DE ARRANQUE Y PARADA	280
		4	CONTROL AUTOMÁTICO DE ARRANQUE Y PARADA	282
		1	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	284
		1	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	286
		1	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	287
		3	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	288
		3	CONTROL MANUAL DE ARRANQUE/ PARADA (GR)	289
TAPA DE LLENADO (CONJ) (BATERÍA)	123-1373	6	BATERÍA (GR)	261
		6	BATERÍA (GR)	262

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PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
MOTOR BÁSICO				
RETENTOR INTEGRAL (MECANISMO DAS VÁLVULAS - TAMPA)	133-1247	1	TAMPA - MECANISMO DAS VÁLVULAS	14
POSIÇÃO DE MARCHA À RÉ, INDICADOR DE FALHA				
BATERIA (12-VOLTS)	3T-5857	2	BATERIA	256
	9X-9720	2	BATERIA	260
BATERIA (12 VOLTS, ISENTA DE MANUTENÇÃO, SECA)	115-2421	2	BATERIA	262
BATERIA (12 VOLTS, ISENTO DE MANUTENÇÃO)	153-5656	2	BATERIA	257
BATERIA (*6-VOLT)	153-5690	4	BATERIA	258
CORREIA EM V (ALTERNADOR)	5L-3979	1	ALTERNADOR DE CORRENTE	250
		1	ALTERNADOR DE CORRENTE	252
DISJUNTOR AUTOMÁTICO DE CIRCUITO (10 AMPERES)	6T-3642	1	CAIXA DE JUNÇÃO	263
DISJUNTOR AUTOMÁTICO DE CIRCUITO (125 AMPÈRES)	1N-9770	1	CAIXA DE JUNÇÃO	266
DISJUNTOR AUTOMÁTICO DE CIRCUITO (20-AMPERES)	6T-3644	1	CAIXA DE JUNÇÃO	263
FUSÍVEL (10 AMPERES)	3K-8782	1	PARADA ELÉTRICA	340
FUSÍVEL (12 AMPÈRES)	131-3472	1	CARREGADOR DE BATERIAS	255
FUSÍVEL (15 AMPERES)	131-3474	1	CARREGADOR DE BATERIAS	255
FUSÍVEL (20-AMPERES)	8M-0456	1	PARADA ELÉTRICA	339
FUSÍVEL (35 AMPÈRES)	131-3475	1	CARREGADOR DE BATERIAS	255
INTERRUPTOR - CIRCUITO (60 AMPERES)	6T-3645	1	INTERRUPTOR - CIRCUITO	269
LÂMPADA (COR VERMELHA) (3 TERMINAIS)	5N-5499	1	CONTROLE MANUAL DE PARTIDA E PARADA	286
		1	CONTROLE MANUAL DE PARTIDA E PARADA	287
		3	CONTROLE MANUAL DE PARTIDA E PARADA	288
		3	CONTROLE MANUAL DE PARTIDA E PARADA	289
LÂMPADA (24 VOLTS) (APAGAR)	3N-5719	4	CONTROLE AUTOMÁTICO - DAR PARTIDA/PARAR	280
		4	CONTROLE AUTOMÁTICO - DAR PARTIDA/PARAR	282
		1	CONTROLE MANUAL DE PARTIDA E PARADA	284
		1	CONTROLE MANUAL DE PARTIDA E PARADA	286
		1	CONTROLE MANUAL DE PARTIDA E PARADA	287
		3	CONTROLE MANUAL DE PARTIDA E PARADA	288
		3	CONTROLE MANUAL DE PARTIDA E PARADA	289
TAMPA - BOCAL DE ENCHIMENTO (BATERIA)	123-1373	6	BATERIA	261
		6	BATERIA	262

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
VELA DE IGNIÇÃO	2N-2839	6	IGNIÇÃO DO MOTOR A GÁS	301
		6	IGNIÇÃO DO MOTOR A GÁS	303
		6	IGNIÇÃO DO MOTOR A GÁS	305
		6	IGNIÇÃO DO MOTOR A GÁS	307
	4W-2256	6	IGNIÇÃO DO MOTOR A GÁS	309
		6	IGNIÇÃO DO MOTOR A GÁS	311
		6	IGNIÇÃO DO MOTOR A GÁS	313
		6	IGNIÇÃO DO MOTOR A GÁS	315
POSTO DO OPERADOR				
BATERIA (LÍTIO) (3 VOLTS)	101-1785	1	MÓDULO DE COMUNICAÇÃO DO SISTEMA	424
DISJUNTOR AUTOMÁTICO DE CIRCUITO (100 AMPÈRES)	4W-9616	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (1.200 AMPÈRES)	4W-9304	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (125 AMPÈRES)	1N-9770	1	PAINEL DE CONTROLE	433
	4W-9617	1	PAINEL DE CONTROLE	431
	4W-9618	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (150 AMPÈRES)				
DISJUNTOR AUTOMÁTICO DE CIRCUITO (175 AMPÈRES)	5N-3353	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (20-AMPERES)	200-8577	1	PAINEL DE CONTROLE	433
DISJUNTOR AUTOMÁTICO DE CIRCUITO (200 AMPÈRES)	5N-3352	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (250 AMPÈRES)	5N-3350	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (400 AMPÈRES)	7W-2318	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (60 AMPERES)	4W-9612	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (600 AMPÈRES)	4W-9302	1	PAINEL DE CONTROLE	430
DISJUNTOR AUTOMÁTICO DE CIRCUITO (70 AMPÈRES)	4W-9613	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (80 AMPERES)	4W-9614	1	PAINEL DE CONTROLE	431
DISJUNTOR AUTOMÁTICO DE CIRCUITO (800 AMPÈRES)	4W-9303	1	PAINEL DE CONTROLE	430
DISJUNTOR AUTOMÁTICO DE CIRCUITO (90 AMPERES)	4W-9615	1	PAINEL DE CONTROLE	431
FUSÍVEL (0,75 AMPÈRES)	7T-0037	2	PAINEL DE CONTROLE	432
		1	PAINEL DE CONTROLE	437
FUSÍVEL (10 AMPERES)	3K-8782	16	PAINEL DE CONTROLE	434
		20	PAINEL DE CONTROLE	436
FUSÍVEL (2-AMPERES)	7W-0482	2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	418
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	419

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PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	420
		3	PAINEL DE CONTROLE	429
		3	PAINEL DE CONTROLE	431
		3	PAINEL DE CONTROLE	436
		3	PAINEL DE CONTROLE	434
INTERRUPTOR - CIRCUITO (20-AMPERES)	9H-1958	1	PAINEL DE CONTROLE	437
LÂMPADA (COR VERMELHA)	5N-5499	1	MÓDULO DE SINCRONIZAÇÃO DE LUZ	419
		1	MÓDULO DE SINCRONIZAÇÃO DE LUZ	420
LÂMPADA (120 VOLTS, 6 WATTS)	5N-3615	2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	418
LÂMPADA (120 VOLTS, 6 WATTS) (APAGAR)	5N-3615	2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	416
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	417
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	419
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	420
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	421
		2	MÓDULO DE SINCRONIZAÇÃO DE LUZ	422
LÂMPADA (*24-VOLT, 5.6-WATT) (APAGAR)	7N-5876	2	PAINEL DE CONTROLE	434
		2	LÂMPADA - ILUMINAÇÃO DO PAINEL	405
LÂMPADA (24 VOLTS)	3N-5719	8	MÓDULO - ALARME	408
		1	PAINEL DE CONTROLE	429
		4	PAINEL DE CONTROLE	432
LÂMPADA (24 VOLTS) (APAGAR)	3N-5719	4	MÓDULO - ALARME	407
		4	MÓDULO - ALARME	412
		4	MÓDULO - ALARME	413
		1	MÓDULO DE SINCRONIZAÇÃO DE LUZ	419
		1	MÓDULO DE SINCRONIZAÇÃO DE LUZ	420
		1	MÓDULO DE SINCRONIZAÇÃO DE LUZ	417

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA DE ADMISSÃO E ESCAPE				
ELEMENTO DO FILTRO DE AR (PRIMÁRIO)	6I - 2499	1	PURIFICADOR DE AR	121
	7W - 5495	1	PURIFICADOR DE AR	125
ELEMENTO DO FILTRO DE AR (*PRIMARY, STANDARD EFFICIENCY)	6I - 2501	1	PURIFICADOR DE AR	123
ELEMENTO DO FILTRO DE AR (SECUNDÁRIO)	6I - 2500	1	PURIFICADOR DE AR	121
	6I - 2502	1	PURIFICADOR DE AR	123
RESPIRO (ADMISSÃO DE AR)	8M - 2665	1	TURBOALIMENTADOR	170
	9G - 5127	1	TURBOALIMENTADOR	167
		1	TURBOALIMENTADOR	170
RESPIRO (ESCAPE)	9G - 5127	1	TURBOALIMENTADOR	166
SISTEMA DE ARREFECIMENTO				
ELEMENTO - CONDICIONADOR DO LÍQUIDO ARREFECEDOR	9N - 3718	1	CONDICIONADOR DO LÍQUIDO ARREFECEDOR	74
	9N - 6123	1	CONDICIONADOR DO LÍQUIDO ARREFECEDOR	74
FILTRO - ÓLEO DO MOTOR (EFICIÊNCIA PADRÃO)	1R - 0716	1	ARREFECEDOR DE ÓLEO DO MOTOR E BASE DO FILTRO	77
HASTE DE ZINCO	5L - 7685	2	PERMUTADOR DE CALOR - ÁGUA DO MAR	85
HASTE-ZINCO	6L - 2280	1	PERMUTADOR DE CALOR - ÁGUA DO MAR	85
MANGUEIRA - SAÍDA DO MOTOR	8N - 5474	1	RADIADOR	114
MANGUEIRA - SAÍDA DO RADIADOR	133 - 6518	1	RADIADOR	114
REGULADOR DE TEMPERATURA DA ÁGUA (*86-DEG C TO 97-DEG C)	116 - 7577	1	TERMOSTATO / REGULADOR DE TEMPERATURA	87
		1	TERMOSTATO / REGULADOR DE TEMPERATURA	88
		1	TERMOSTATO / REGULADOR DE TEMPERATURA	89
TAMPA DE PRESSÃO (7 PSI) (RADIADOR)	6L - 8617	1	RADIADOR	109
		1	RADIADOR	116
TAMPA DE PRESSÃO (7 PSI) (TANQUE DE EXPANSÃO)	6L - 8617	1	TANQUE DE EXPANSÃO	117
SISTEMA DE COMBUSTÍVEL				
ELEMENTO - FILTRO DE GÁS FUSÍVEL (0,75 AMPÈRES)	4P - 4719	1	FILTRO - COMBUSTÍVEL	210
	7T - 0037	3	CAIXA - PRÉ-REGULADOR DO GOVERNADOR	176
		1	GOVERNADOR - ELETRÔNICO	222
		1	GOVERNADOR ELETRÔNICO	211
		1	GOVERNADOR ELETRÔNICO	213
		1	GOVERNADOR ELETRÔNICO	214
FUSÍVEL (10 AMPERES)	3K - 8782	1	GOVERNADOR ELETRÔNICO	212
		1	GOVERNADOR ELETRÔNICO	215
FUSÍVEL (20-AMPERES)	8M - 0456	1	CONTROLE DO COMBUSTÍVEL	192

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA DE LUBRIFICAÇÃO				
RESPIRO (CÁRTER DO MOTOR)	2W-9162	1	RESPIRO	58
TAMPA - BOCAL DE ENCHIMENTO (ÓLEO DO MOTOR)	6N-2985	1	BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR	59

* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
BEDIENUNGSSTAND				
BATTERIE (LITHIUM) (3 VOLT)	101-1785	1	SYSTEMKOMMUNIKATIONSMODUL	424
BELEUCHTUNGSANLAGE (ROT)	5N-5499	1	SYNCHRON-LICHTMODUL	419
		1	SYNCHRON-LICHTMODUL	420
LEUCHTE (120 V, 6 W)	5N-3615	2	SYNCHRON-LICHTMODUL	418
LEUCHTE (120 V, 6 W) (LÖSCHEN)	5N-3615	2	SYNCHRON-LICHTMODUL	416
		2	SYNCHRON-LICHTMODUL	417
		2	SYNCHRON-LICHTMODUL	419
		2	SYNCHRON-LICHTMODUL	420
		2	SYNCHRON-LICHTMODUL	421
		2	SYNCHRON-LICHTMODUL	422
LEUCHTE (24 V)	3N-5719	8	ALARMMODUL	408
		1	SCHALTТАFEL	429
		4	SCHALTТАFEL	432
LEUCHTE (24 V) (LÖSCHEN)	3N-5719	4	ALARMMODUL	407
		4	ALARMMODUL	412
		4	ALARMMODUL	413
		1	SYNCHRON-LICHTMODUL	419
		1	SYNCHRON-LICHTMODUL	420
		1	SYNCHRON-LICHTMODUL	417
LEUCHTE (*24-VOLT, 5.6-WATT) (LÖSCHEN)	7N-5876	2	INSTRUMENTENTAFELLEUCHTE	405
		2	SCHALTТАFEL	434
SICHERUNG (0,75 A)	7T-0037	1	SCHALTТАFEL	437
		2	SCHALTТАFEL	432
SICHERUNG (10 A)	3K-8782	16	SCHALTТАFEL	434
		20	SCHALTТАFEL	436
SICHERUNG (2 A)	7W-0482	3	SCHALTТАFEL	429
		3	SCHALTТАFEL	431
		3	SCHALTТАFEL	436
		2	SYNCHRON-LICHTMODUL	418
		2	SYNCHRON-LICHTMODUL	419
		2	SYNCHRON-LICHTMODUL	420
		3	SCHALTТАFEL	434
UNTERBRECHER (100 A)	4W-9616	1	SCHALTТАFEL	431
UNTERBRECHER (1200 A)	4W-9304	1	SCHALTТАFEL	431
UNTERBRECHER (125 A)	4W-9617	1	SCHALTТАFEL	431
UNTERBRECHER (12,5 A)	1N-9770	1	SCHALTТАFEL	433
UNTERBRECHER (150 A)	4W-9618	1	SCHALTТАFEL	431
UNTERBRECHER (175 A)	5N-3353	1	SCHALTТАFEL	431
UNTERBRECHER (20 A)	9H-1958	1	SCHALTТАFEL	437
	200-8577	1	SCHALTТАFEL	433
UNTERBRECHER (200 A)	5N-3352	1	SCHALTТАFEL	431
UNTERBRECHER (250 A)	5N-3350	1	SCHALTТАFEL	431
UNTERBRECHER (400 A)	7W-2318	1	SCHALTТАFEL	431
UNTERBRECHER (60 A)	4W-9612	1	SCHALTТАFEL	431
UNTERBRECHER (600 A)	4W-9302	1	SCHALTТАFEL	430
UNTERBRECHER (70 A)	4W-9613	1	SCHALTТАFEL	431
UNTERBRECHER (80 A)	4W-9614	1	SCHALTТАFEL	431
UNTERBRECHER (800 A)	4W-9303	1	SCHALTТАFEL	430
UNTERBRECHER (90 A)	4W-9615	1	SCHALTТАFEL	431

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
ELEKTRISCHE ANLAGE UND STARTSYSTEM				
BATTERIE (12 V)	9X-9720	2	BATTERIE	260
	3T-5857	2	BATTERIE	256
BATTERIE (12 V, WARTUNGSFREI)	153-5656	2	BATTERIE	257
BATTERIE (12 V, WARTUNGSFREI, TROCKEN)	115-2421	2	BATTERIE	262
BATTERIE (*6-VOLT)	153-5690	4	BATTERIE	258
BELEUCHTUNGSANLAGE (ROT) (3 ANSCHLUSS)	5N-5499	1	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	286
		1	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	287
		3	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	288
		3	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	289
EINFÜLLKAPPE (BATTERIE)	123-1373	6	BATTERIE	261
		6	BATTERIE	262
KEILRIEMEN (DREHSTROMGENERA- TOR)	5L-3979	1	DREHSTROMGENERATOR	250
		1	DREHSTROMGENERATOR	252
LEUCHTE (24 V) (LÖSCHEN)	3N-5719	4	AUTOMATIKSTEUERUNG (STARTEN/ABSTELLEN)	280
		4	AUTOMATIKSTEUERUNG (STARTEN/ABSTELLEN)	282
		1	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	284
		1	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	286
		1	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	287
		3	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	288
		3	STEUERUNG - MANUELLES STARTEN/ABSTELLEN	289
SICHERUNG (10 A)	3K-8782	1	NOTABSCHALTER, ELEKTR.	340
SICHERUNG (12 A)	131-3472	1	BATTERIELADEGERÄT	255
SICHERUNG (15 A)	131-3474	1	BATTERIELADEGERÄT	255
SICHERUNG (20 A)	8M-0456	1	NOTABSCHALTER, ELEKTR.	339
SICHERUNG (35 A)	131-3475	1	BATTERIELADEGERÄT	255
UNTERBRECHER (10 A)	6T-3642	1	ABZWEIGKASTEN	263
UNTERBRECHER (12,5 A)	1N-9770	1	ABZWEIGKASTEN	266
UNTERBRECHER (20 A)	6T-3644	1	ABZWEIGKASTEN	263
UNTERBRECHER (60 A)	6T-3645	1	UNTERBRECHER	269
ZÜNDKERZE	2N-2839	6	GASMOTORZÜNDUNG	301
		6	GASMOTORZÜNDUNG	303
		6	GASMOTORZÜNDUNG	305
		6	GASMOTORZÜNDUNG	307
	4W-2256	6	GASMOTORZÜNDUNG	309
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		6	GASMOTORZÜNDUNG	313
		6	GASMOTORZÜNDUNG	315

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
KRAFTSTOFFSYSTEM				
GASFILTERELEMENT	4P-4719	1	KRAFTSTOFFFILTER	210
SICHERUNG (0,75 A)	7T-0037	1	REGLER, ELEKTRON.	211
		1	REGLER, ELEKTRON.	213
		1	REGLER, ELEKTRON.	214
		1	REGLER, ELEKTRON.	222
		3	DREHZAHLREGLER-VORREGLERGE- HÄUSE	176
SICHERUNG (10 A)	3K-8782	1	REGLER, ELEKTRON.	212
		1	REGLER, ELEKTRON.	215
SICHERUNG (20 A)	8M-0456	1	KRAFTSTOFFSTEUERUNG	192
KÜHLSYSTEM				
DRUCKKAPPE (7 PSI) (AUSGLEICH- STANK)	6L-8617	1	AUSGLEICHSBEHÄLTER	117
DRUCKKAPPE (7 PSI) (KÜHLER)	6L-8617	1	KÜHLER	109
		1	KÜHLER	116
KÜHLERAUSLADSS	133-6518	1	KÜHLER	114
KÜHLWASSERZUSATZELEMENT	9N-3718	1	KÜHLWASSERZUSATZELEMENT	74
	9N-6123	1	KÜHLWASSERZUSATZELEMENT	74
MOTORAUSLASSSCHLAUCH	8N-5474	1	KÜHLER	114
ÖLFILTER (STANDRAD EFFIZIENZ)	1R-0716	1	MOTORÖLKÜHLER UND FILTERSOCKEL	77
WASSERTEMPERATURREGLER (*86-DEG C TO 97-DEG C)	116-7577	1	KÜHLWASSER-TEMPERATURREG- LER UND GEHÄUSE	87
		1	KÜHLWASSER-TEMPERATURREG- LER UND GEHÄUSE	88
		1	KÜHLWASSER-TEMPERATURREG- LER UND GEHÄUSE	89
ZINKSTAB	5L-7685	2	WÄRMEAUSTAUSCHER - SEEWASSER	85
	6L-2280	1	WÄRMEAUSTAUSCHER - SEEWASSER	85
LUFTANSAUG- UND ABGASSYSTEM				
ENTLÜFTER (AUSLASS)	9G-5127	1	TURBOLADER	166
ENTLÜFTER (LUFTEINLASS)	8M-2665	1	TURBOLADER	170
	9G-5127	1	TURBOLADER	167
		1	TURBOLADER	170
LUFTFILTER (HAUPTLEMENT)	6I-2499	1	LUFTREINIGER	121
	7W-5495	1	LUFTREINIGER	125
LUFTFILTER (HILFSELEMENT)	6I-2500	1	LUFTREINIGER	121
	6I-2502	1	LUFTREINIGER	123
LUFTFILTER (PRIMARY, STANDARD EFFICIENCY)	6I-2501	1	LUFTREINIGER	123
MOTOR (GRUNDAUSFÜHRUNG)				
INTEGRALDICHTUNG (VENTILDECKEL)	133-1247	1	VENTILDECKEL	14
SCHMIERSYSTEM				
EINFÜLLKAPPE (MOTORÖL)	6N-2985	1	MOTORÖLEINFÜLLSTUTZEN	59
ENTLÜFTER (KURBELGEHÄUSE)	2W-9162	1	ENTLÜFTER	58

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

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* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

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* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

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* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

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* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

ENGINE ARRANGEMENT

222 - 9039 ENGINE AR

S/N: G6X149-UP

10.5:1 RATIO

SMCS - 1000

i03018362

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	3N-2886	1	ADAPTER GP-SEAL						3
Y	1P-4244	1	BREATHER GP						58
Y	1N-4406	1	CAMSHAFT GP						6
Y	7W-0257	1	COOLER GP-FLTR BASE & ENG OIL						77
Y	7N-1292	1	COVER GP-CYLINDER BLOCK						11
Y	2P-6530	1	COVER GP-CYLINDER HEAD						12
Y	7N-4314	1	COVER GP-FRONT HOUSING						13
Y	8N-4745	1	COVER GP-VALVE MECHANISM						14
Y	6N-8079	1	CRANKSHAFT GP						16
YR	7N-8016	1	CYLINDER BLOCK GP						19
YR	9Y-3640	1	CYLINDER HEAD GP						23
Y	3N-2885	1	DAMPER GP						24
Y	7N-4313	1	DRIVE GP-MAGNETO						293
Y	7N-9536	1	FASTENER GP-CYLINDER HEAD						28
Y	3N-2887	1	FASTENER GP-FRONT HOUSING						29
Y	2P-6855	1	FILLER GP-ENGINE OIL						59
Y	4W-8538	1	GAUGE GP-OIL LEVEL (DIPSTICK)						62
Y	2P-9642	1	GEAR GP-FRONT						31
Y	8N-2395	1	HOUSING GP-FLYWHEEL						32
Y	8N-0303	1	HOUSING GP-FRONT						33
Y	8N-3157	1	LIFTING GP-ENGINE						34
Y	7E-0571	1	LINES GP-ENGINE OIL						63
Y	2W-6779	1	LINES GP-WATER						96
Y	1W-0592	1	PAN GP-OIL						35
Y	126-0185	6	PISTON & ROD GP						37
Y	3N-2884	1	PULLEY GP-CRANKSHAFT						40
Y	9L-5651	1	PUMP GP-ENGINE OIL						68
Y	7N-6210	1	PUMP GP-WATER						105
Y	2P-6224	1	SEAL GP-CRANKSHAFT						44
Y	3N-2883	1	SUPPORT GP-ENGINE						49
Y	7E-1556	1	VALVE MECHANISM GP						56

PLEASE USE THE GASKET KIT LINK IN SIS OR CONTACT
YOUR LOCAL DEALER FOR THE LATEST GASKET KIT
INFORMATION

R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

222 - 9040 ENGINE AR 8.0:1 RATIO

SMCS - 1000

i03018363

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	3N-2886	1	ADAPTER GP-SEAL						3
Y	1P-4244	1	BREATHER GP						58
Y	1N-4406	1	CAMSHAFT GP						6
Y	7W-0257	1	COOLER GP-FLTR BASE & ENG OIL						77
Y	7N-1292	1	COVER GP-CYLINDER BLOCK						11
Y	2P-6530	1	COVER GP-CYLINDER HEAD						12
Y	7N-4314	1	COVER GP-FRONT HOUSING						13
Y	8N-4745	1	COVER GP-VALVE MECHANISM						14
Y	6N-8079	1	CRANKSHAFT GP						16
YR	7N-8016	1	CYLINDER BLOCK GP						19
YR	9Y-3640	1	CYLINDER HEAD GP						23
Y	3N-2885	1	DAMPER GP						24
Y	7N-4313	1	DRIVE GP-MAGNETO						293
Y	7N-9536	1	FASTENER GP-CYLINDER HEAD						28
Y	3N-2887	1	FASTENER GP-FRONT HOUSING						29
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Y	4W-8538	1	GAUGE GP-OIL LEVEL (DIPSTICK)						62
Y	2P-9642	1	GEAR GP-FRONT						31
Y	8N-2395	1	HOUSING GP-FLYWHEEL						32
Y	8N-0303	1	HOUSING GP-FRONT						33
Y	8N-3157	1	LIFTING GP-ENGINE						34
Y	7E-0571	1	LINES GP-ENGINE OIL						63
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Y	1W-0592	1	PAN GP-OIL						35
Y	4P-2699	6	PISTON & ROD GP						36
Y	3N-2884	1	PULLEY GP-CRANKSHAFT						40
Y	9L-5651	1	PUMP GP-ENGINE OIL						68
Y	7N-6210	1	PUMP GP-WATER						105
Y	2P-6224	1	SEAL GP-CRANKSHAFT						44
Y	3N-2883	1	SUPPORT GP-ENGINE						49
Y	7E-1556	1	VALVE MECHANISM GP						56

PLEASE USE THE GASKET KIT LINK IN SIS OR CONTACT
YOUR LOCAL DEALER FOR THE LATEST GASKET KIT
INFORMATION

R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION

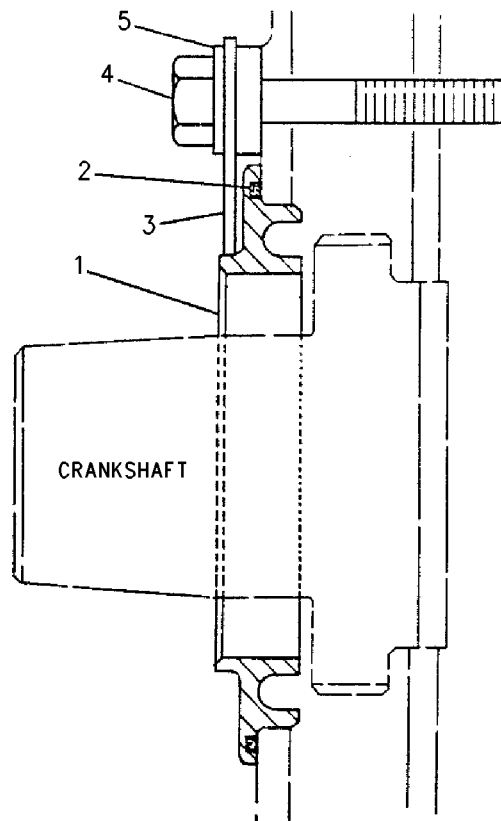
BASIC ENGINE

3N-2886 ADAPTER GP-SEAL-CRANKSHAFT FRONT

SMCS-1160, 1161

i01790913

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1W-4506	1	ADAPTER - SEAL						
	2	1	2P-1692	1	SEAL - O - RING						
C	3	1	2W-9062	1	RETAINER AS						
C	4	1	0L-1329	2	BOLT (1/2-13X3-IN)						
C	5	1	5P-8245	2	WASHER-HARD (13.5X25.5X3-MM THK)						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

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BASIC ENGINE

3N-2755 BELT TIGHTENER GP

FOR USE AS A FAN DRIVE BELT TIGHTENER WHEN ALTERNATOR IS NOT USED
 FOR USE WITH INDUSTRIAL ENGINE SUPPORT. CANNOT BE USED WITH MOBILE EQUIPMENT
 FRONT ENGINE SUPPORT
 AN ATTACHMENT

SMCS-1358

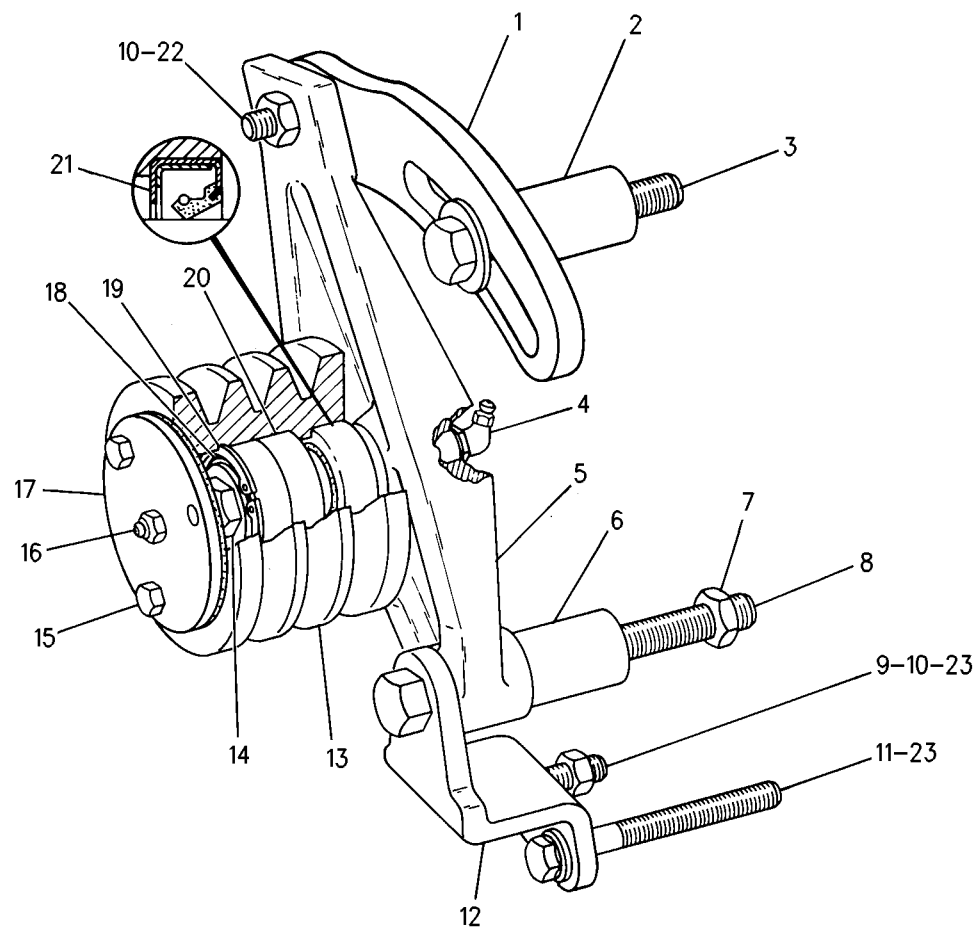
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NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8S-4183	1	STRAP						
	2	1	1F-1560	1	SPACER (0.531X1X1.75-IN THK)						
	3	1	0V-0375	1	BOLT (1/2-13X3.25-IN)						
		1	2M-0849	1	WASHER-HARD (13.5X25.5X5-MM THK)						
	4	1	3B-8485	1	FITTING-GREASE (BELT TIGHTENER)						
	5	1	2N-1334	1	BRACKET AS						
	6	1	4J-9683	1	SPACER (0.56X1X1.5-IN THK)						
	7	1	1F-7958	1	NUT-FULL (1/2-13 THD)						
	8	1	2H-6488	1	BOLT (1/2-13X5-IN)						
	9	1	0S-1588	1	BOLT (3/8-16X1.25-IN)						
	10	1	9S-8752	2	NUT-FULL (3/8-16-THD)						
	11	1	0S-1619	1	BOLT (3/8-16X3-IN)						
	12	1	3N-2705	1	BRACKET-MOUNTING						
	13	1	2N-1331	1	PULLEY						
	14	1	5M-9788	1	LOCKNUT-JAM						
	15	1	031-0215	3	BOLT-LOCKING (1/4-20X0.625-IN)						
	16	1	4B-4550	1	FITTING-PRESSURE RELIEF (BELT TIGHTENER)						
	17	1	2N-1983	1	PLATE						
		1	2N-1330	1	GASKET						
	18	1	4B-4280	1	WASHER (13.5X27X2.5-MM THK)						
	19	1	3K-9879	1	RING-RETAINING						
	20	1	6B-0924	2	BALL BEARING						
	21	1	2B-0050	1	SEAL-LIP TYPE						
	22	1	0S-1591	1	BOLT (3/8-16X1.5-IN)						
		1	8M-9024	1	WASHER-HARD (10.2X22.5X5-MM THK)						
	23	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						

BASIC ENGINE

3N-2755 BELT TIGHTENER GP (contd.)

i01959093



GRAPHIC #1

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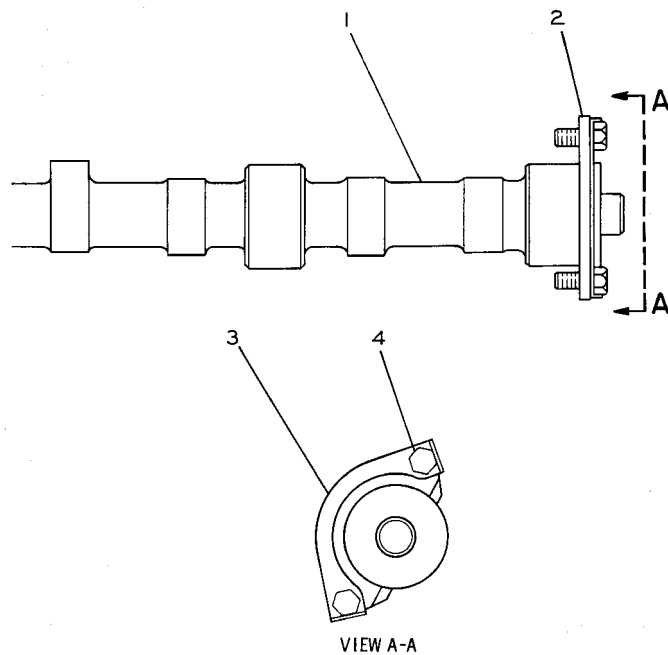
BASIC ENGINE

1N-4406 CAMSHAFT GP SINGLE

SMCS-1210

i02355496

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7E-9980	1	CAMSHAFT						
	2	1	7S-2204	1	WASHER - THRUST						
	3	1	8S-1491	1	LOCK						
	4	1	0S-0509	2	BOLT (3/8-16X0.75-IN)						



GRAPHIC #1

<END>

g00108277

BASIC ENGINE

3N-9097 CLUTCH GP PART OF 3N-9098 POWER TAKE-OFF GP AN ATTACHMENT

SMCS-1007

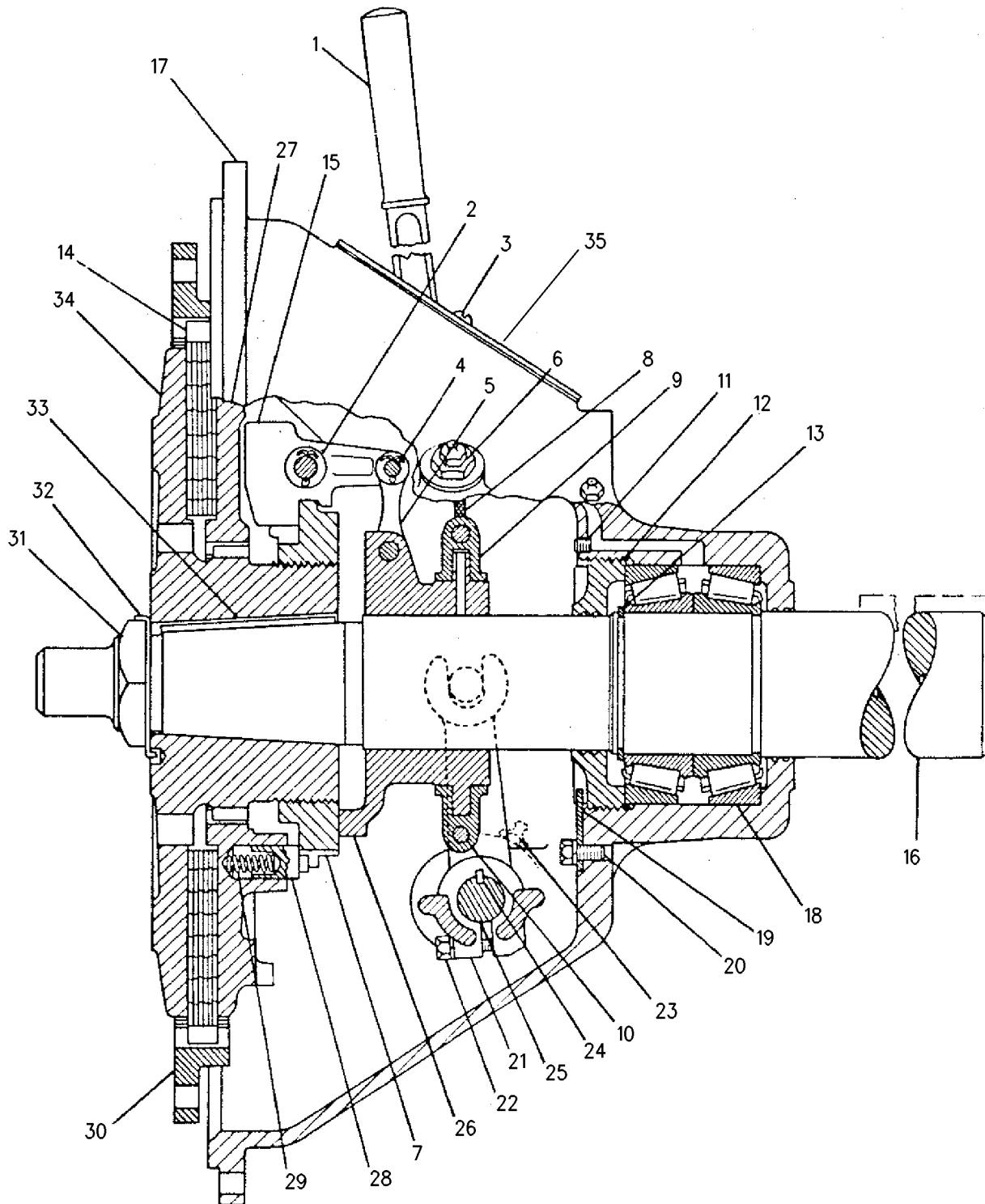
i02422931

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4B-4810	1	LEVER AS-HAND	
		1	0S-1587	1	BOLT (1/2-13X1.75-IN)	
	2	1	6L-3972	4	PIN	
		1	6L-3961	4	PIN-COTTER	
		1	1L-4863	8	WASHER-SPRING	
	3	1	1L-6931	2	SCREW AS-MACHINE (1/4-20X0.5-IN)	
	4	1	6L-3967	8	PIN	
		1	6L-3964	8	PIN-COTTER	
	5	1	4B-4721	8	LINK	
	6	1	3B-8489	2	FITTING-GREASE (CLUTCH)	
		1	9S-1354	1	NUT (5/8-18-THD)	
		1	6F-0253	1	LOCKWASHER	
	7	1	3H-9572	1	RING-ADJUSTMENT	
	8	1	5B-2410	1	HOSE AS	
	9	1	4B-4716	1	COLLAR AS-SLEEVE	
	10	1	0L-0639	2	BOLT (3/8-24X2.25-IN)	
		1	2L-6267	2	LOCKNUT (3/8-24-THD)	
B		1	4B-4758	2	SHIM (0.06-IN THK)	
	11	1	2L-6010	1	PLUG-PIPE	
	12	1	4B-4782	1	RETAINER	
	13	1	3F-3729	1	RING-SNAP	
	14	1	4L-3527	1	PLATE-CLUTCH DRIVING	
	15	1	4H-0002	4	LEVER	
	16	1	3N-4086	1	SHAFT-CLUTCH	
	17	1	8B-1303	1	HOUSING-CLUTCH	
		1	108-3560	1	PLATE-WARNING (POWER TAKE-OFF)	
	18	1	1B-3922	2	CUP-BEARING	
		1	6B-3183	2	CONE-BEARING	
	19	1	7L-0116	1	LOCK	
	20	1	2H-3755	1	BOLT (5/16-18X0.43-IN)	
		1	3F-9556	1	LOCKWASHER	
	21	1	4B-4792	1	YOKE AS	
	22	1	0S-1591	2	BOLT (3/8-16X1.5-IN)	
		1	3B-4506	2	LOCKWASHER	
	23	1	8B-7121	2	FITTING-HYDRAULIC (CLUTCH)	
	24	1	6L-5151	2	KEY-WOODRUFF	
	25	1	4B-4754	1	SHAFT	
	26	1	1L-5517	1	SLEEVE-THROW-OUT	
	27	1	3N-8125	1	PLATE AS-PRESSURE	
	28	1	3N-8123	1	LOCK PIN	
	29	1	3N-8124	1	SPRING	
	30	1	5N-9316	1	RING-DRIVE	
	31	1	4B-4752	1	NUT	
	32	1	4B-4772	1	LOCK	
	33	1	5B-2417	1	KEY	
	34	1	1L-5516	1	PLATE-CLUTCH	
	35	1	108-3633	1	PLATE-INSTRUCTION (POWER TAKE-OFF)	
B-USE AS REQUIRED						

BASIC ENGINE

3N-9097 CLUTCH GP (contd.)

i02422931



GRAPHIC #1

<END>

g00916902

BASIC ENGINE

4P-3073 CLUTCH GP

PART OF 4P-3074 POWER TAKE-OFF GP
FOR USE WITH SAE NO. 1 FLYWHEEL AND FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1007

i02560330

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4L-3527	2	PLATE-CLUTCH DRIVING	
	2	1	5L-9652	1	HUB	
	3	1	8B-7987	1	KEY-WOODRUFF	
	4	1	5L-9653	1	NUT	
		1	5L-9654	1	LOCK	
	5	1	3H-9571	1	PLATE-CENTER	
	6	1	5N-9317	1	RING-DRIVE	
	7	1	7F-8897	1	PLATE	
	8	1	3H-9572	1	RING-ADJUSTMENT	
	9	1	3H-9574	1	SLEEVE	
	10	1	4B-4754	1	SHAFT	
		1	6L-5151	2	KEY-WOODRUFF	
	11	1	4B-4792	1	YOKE AS	
	12	1	0S-1591	2	BOLT (3/8-16X1.5-IN)	
		1	3B-4506	2	LOCKWASHER	
	13	1	1A-1460	6	BOLT (1/2-13X2-IN)	
		1	5P-8245	6	WASHER-HARD (13.5X25.5X3-MM THK)	
	14	1	5L-9655	1	RETAINER-BEARING	
	15	1	9S-1354	1	NUT (5/8-18-THD)	
		1	6F-0253	1	LOCKWASHER	
	16	1	4B-4716	1	COLLAR AS-SLEEVE	
	17	1	0L-0639	2	BOLT (3/8-24X2.25-IN)	
		1	2L-6267	2	LOCKNUT (3/8-24-THD)	
B		1	4B-4758	2	SHIM (0.06-IN THK)	
	18	1	0S-1617	1	BOLT (5/16-18X0.75-IN)	
		1	3F-9556	1	LOCKWASHER	
		1	5B-2407	1	LOCK	
E	19	1	5B-2410	1	HOSE AS (38.1-CM)	
	20	1	4B-4721	8	LINK	
		1	6L-3967	8	PIN	
		1	3B-5301	8	PIN-COTTER	
	21	1	6L-3972	4	PIN	
		1	3B-4627	4	PIN-COTTER	
		1	1L-4863	8	WASHER-SPRING	
	22	1	4H-0002	4	LEVER	
	23	1	108-3561	1	PLATE-INSTRUCTION (POWER TAKE-OFF) (SERVICING)	
	24	1	3N-8125	1	PLATE AS-PRESSURE	
	25	1	3N-8124	1	SPRING	
		1	3N-8123	1	LOCK PIN	
	26	1	8B-7121	2	FITTING-HYDRAULIC (CLUTCH)	
	27	1	3N-4896	1	SHAFT-CLUTCH	
	28	1	1S-7443	4	SCREW-MACHINE	
		1	1H-3338	4	LOCKWASHER	
	29	1	6B-3223	2	CUP-BEARING	
	30	1	4B-7270	2	CONE-BEARING	
	31	1	4B-4810	1	LEVER AS-HAND	
	32	1	7F-8916	1	CARRIER-BEARING	
	33	1	3B-8489	2	FITTING-GREASE (CLUTCH)	
	34	1	7W-7155	1	HOUSING-CLUTCH	
	35	1	108-3560	1	PLATE-WARNING (POWER TAKE-OFF)	

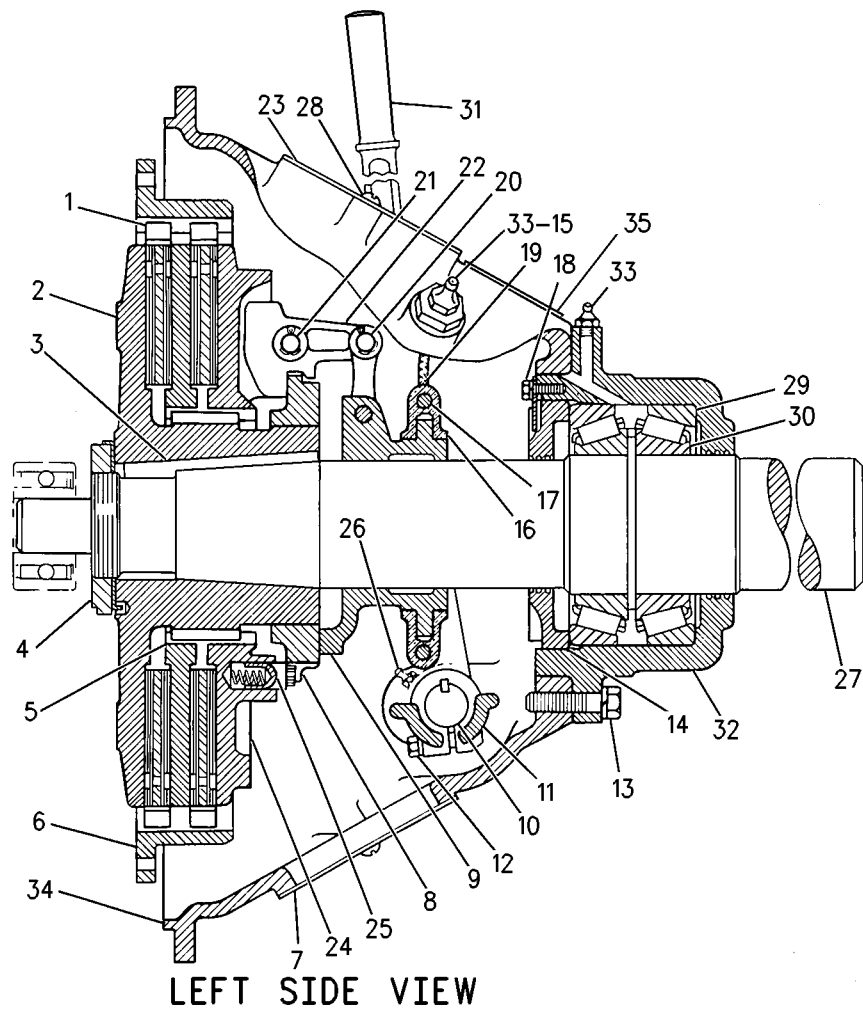
B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

BASIC ENGINE

4P-3073 CLUTCH GP (contd.)

i02560330



GRAPHIC #1

<END>

g00783572

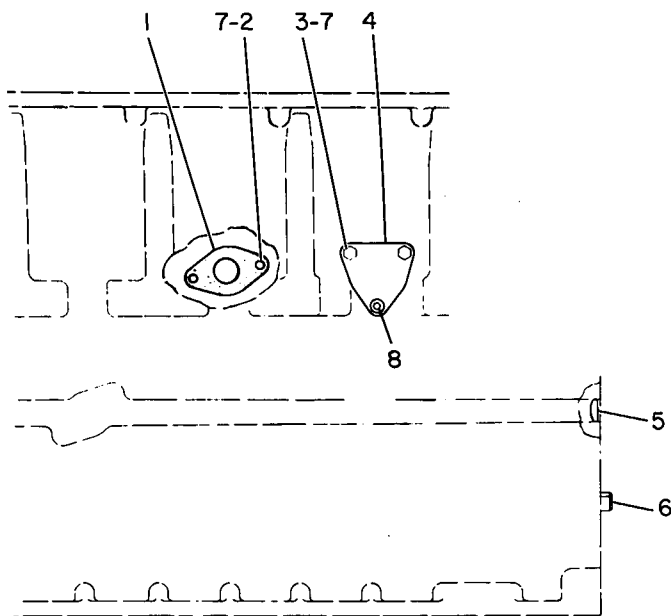
BASIC ENGINE

7N-1292 COVER GP-CYLINDER BLOCK

SMCS-1201

i02355517

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1M-0130	1	COVER						
		1	4M-6480	1	GASKET						
	2	1	1A-2029	2	BOLT (3/8-16X1.125-IN)						
	3	1	0L-1351	2	BOLT (3/8-16X0.875-IN)						
	4	1	8L-8662	1	COVER						
		1	5S-8055	1	GASKET						
	5	1	4B-3938	1	PLUG-CUP						
	6	1	2A-3798	2	DOWEL						
	7	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	8	1	8M-3267	1	SCREW-HEX SOCKET (3/8-16X0.75-IN)						



GRAPHIC #1

<END>

g00108189

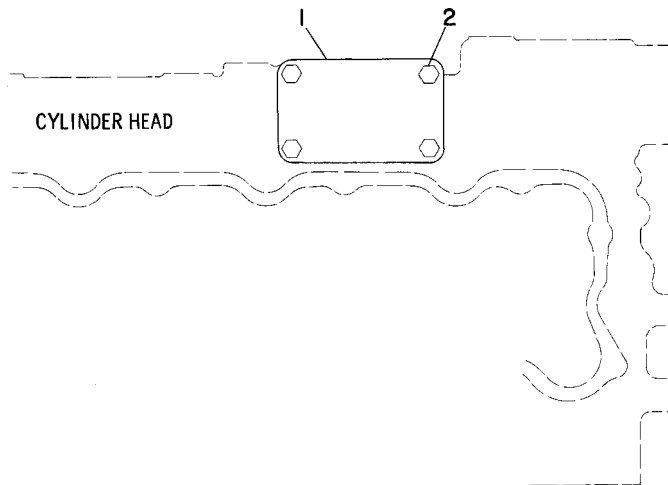
BASIC ENGINE

2P-6530 COVER GP-CYLINDER HEAD

SMCS-1100

i01790094

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	1P-6367	1	COVER	
		1	5S-6735	1	GASKET	
B	2	1	0S-1594	4	BOLT (3/8-16X1 IN)	
B		1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
B-USE AS REQUIRED						



GRAPHIC #1

<END>

g00108246

BASIC ENGINE

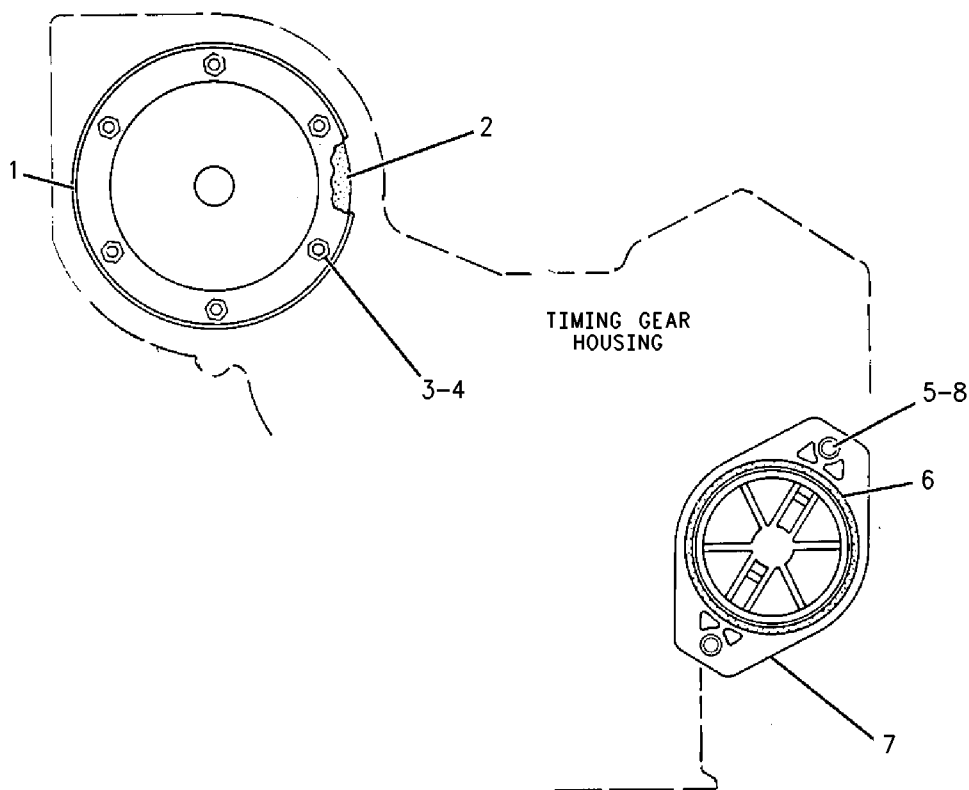
7N-4314 COVER GP - FRONT HOUSING

SMCS-1151, 1166

i01790932

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
C	1	1	9N-5769	1	COVER-HOUSING	
	2	1	6N-7887	1	GASKET-HOUSING COVER	
	3	1	3S-2713	6	NUT-FULL (3/8-24-THD)	
C	4	1	8M-9024	6	WASHER-HARD (10.2X22.5X5-MM THK)	
	5	1	0S-1566	2	BOLT (5/8-11X1.5-IN)	
	6	1	5F-3106	1	SEAL-O-RING	
C	7	1	7N-8374	1	COVER-PUMP	
C	8	1	5P-8247	2	WASHER-HARD (17X32X3.5-MM THK)	

C- CHANGE FROM PREVIOUS TYPE



FRONT VIEW

GRAPHIC #1

<END>

g00916914

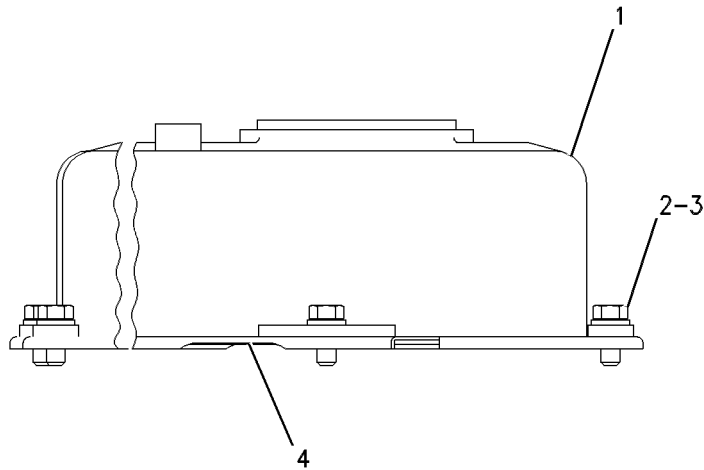
BASIC ENGINE

8N-4745 COVER GP-VALVE MECHANISM

SMCS-1107

i01856236

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-1086	1	COVER AS-CYLINDER HEAD						
		1	7S-5913	1	REINFORCEMENT						
		1	8S-0801	1	NUT-WELD						
	2	1	0S-1617	15	BOLT (5/16-18X0.75-IN)						
	3	1	9M-1974	15	WASHER-HARD (8.8X16X2-MM THK)						
	4	1	133-1247	1	SEAL-INTEGRAL (VALVE COVER)						



GRAPHIC #1

<END>

g00301640

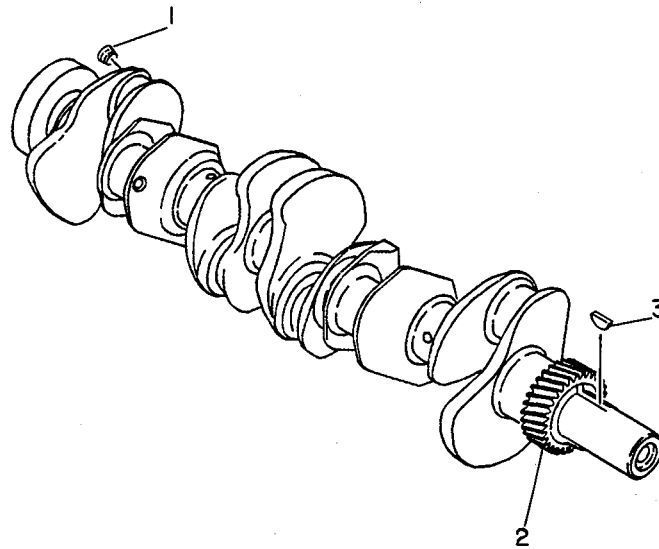
BASIC ENGINE

2W-7458 CRANKSHAFT AS*R PART OF 6N-8079 CRANKSHAFT GP

SMCS-1202

i00883919

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	8T-6757	6	PLUG-PIPE (1/8-27 NPTF THD)	
	2	1	1W-4405	1	GEAR-CRANKSHAFT (40 TEETH)	
	3	1	5H-2671	1	KEY-WOODRUFF	



GRAPHIC #1

<END>

g00108386

BASIC ENGINE

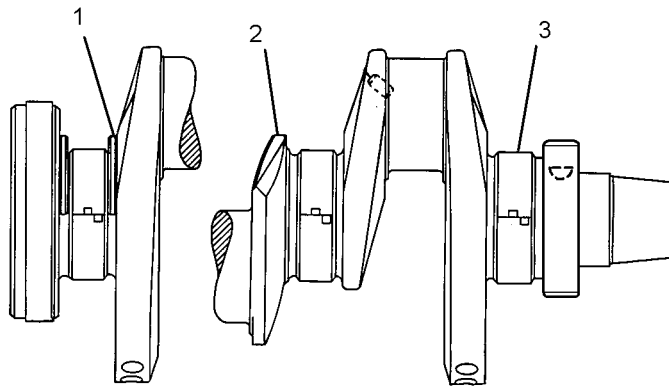
6N-8079 CRANKSHAFT GP

SMCS-1202

i02179463

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	100-3652	2	PLATE-THRUST						
YR	2	1	2W-7458	1	CRANKSHAFT AS						15
C	3	1	232-3233	7	BEARING-MAIN (STANDARD)						
AB		1	4P-7305		BEARING-MAIN (0.51-MM US - 0.51-MM OS)						
AB		1	4P-7306		BEARING-MAIN (0.76-MM US - 0.51-MM OS)						
AB		1	8N-8225		BEARING-MAIN (0.25-MM US)						
AB		1	8N-8226		BEARING-MAIN (0.51-MM US)						
AB		1	8N-8227		BEARING-MAIN (0.76-MM US)						
AB		1	8N-8228		BEARING-MAIN (0.51-MM OS)						
AB		1	8N-8229		BEARING-MAIN (0.25-MM US - 0.51-MM OS)						
					AVAILABLE REPAIR KIT(S) :						
					196-9534 KIT-BASIC ENGINE REPAIR (MAIN BEARING) (CRANKSHAFT)						
					(INCLUDES STANDARD BEARINGS AND THRUST PLATES)						

A-NOT PART OF THIS GROUP
 B-USE AS REQUIRED
 C-CHANGE FROM PREVIOUS TYPE
 R-REMG PART MAY BE AVAILABLE
 Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01105919

BASIC ENGINE

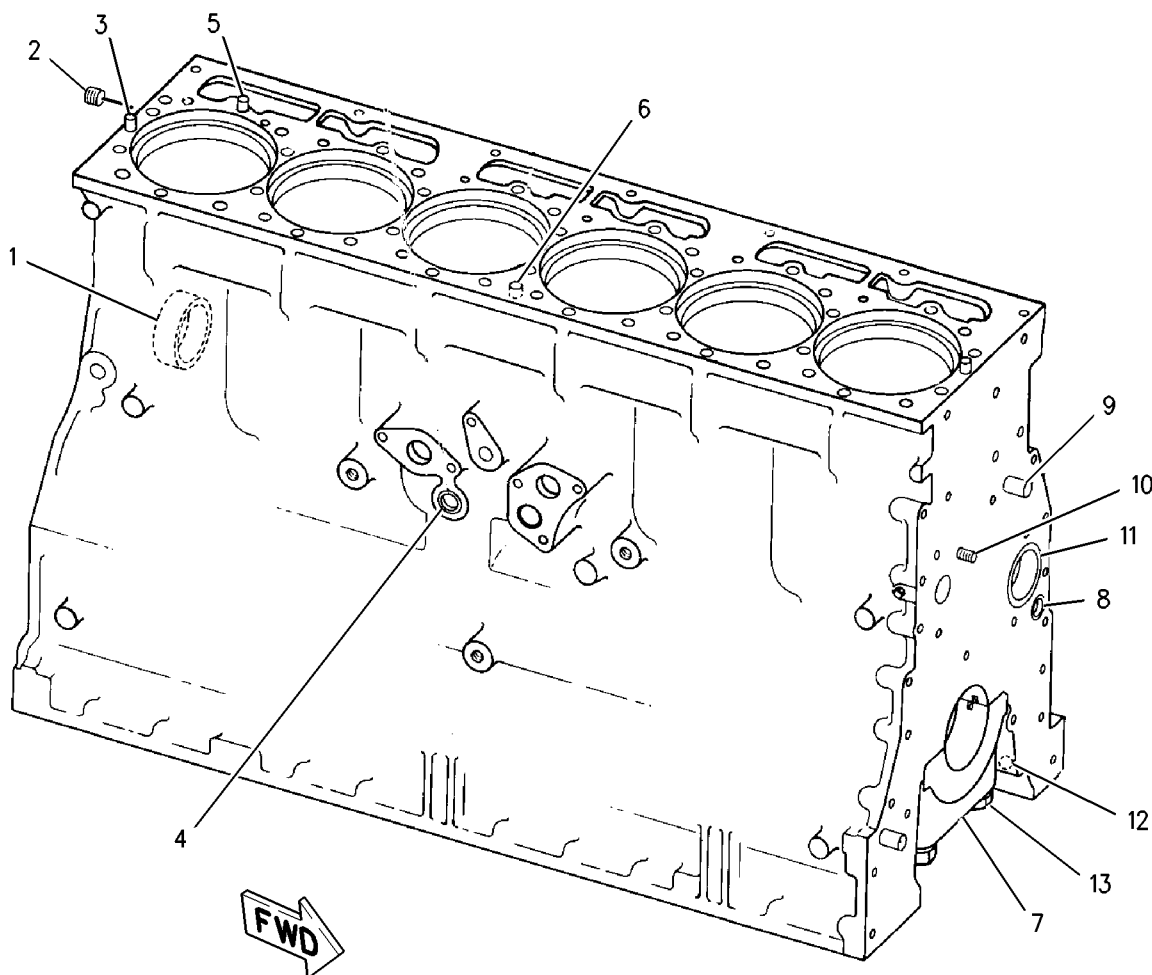
1N-3576 CYLINDER BLOCK GP

FIELD REPLACEMENT FOR 7N-6550—PAGE 18

SMCS-1201

i02355495

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7M-4046	4	BEARING-SLEEVE						
	2	1	3J-6019	1	PLUG						
	3	1	8K-1207	2	DOWEL						
	4	1	4B-5387	1	PLUG-CUP						
	5	1	1S-9540	1	DOWEL						
	6	1	5B-7652	2	DOWEL						
	7	1	6N-8003	7	CAP-CRANKSHAFT BEARING						
	8	1	4B-3938	1	PLUG-CUP						
	9	1	8B-6349	2	DOWEL						
	10	1	5S-8462	1	STUD						
	11	1	8N-4110	1	BEARING-SLEEVE						
	12	1	4B-9782	1	BALL						
	13	1	7S-3224	14	BOLT (5/8-11X5.25-IN)						
		1	2S-5658	14	WASHER-HARD (17X29X3-MM THK)						



GRAPHIC #1

<END>

g00900776

BASIC ENGINE

7N-6550 CYLINDER BLOCK GP

PART OF 7N-8016 CYLINDER BLOCK GP

FIELD REPLACEMENT ORDER 1N-3576-PAGE 17, 6N-7727 KIT-CYLINDER BLOCK

SMCS-1201

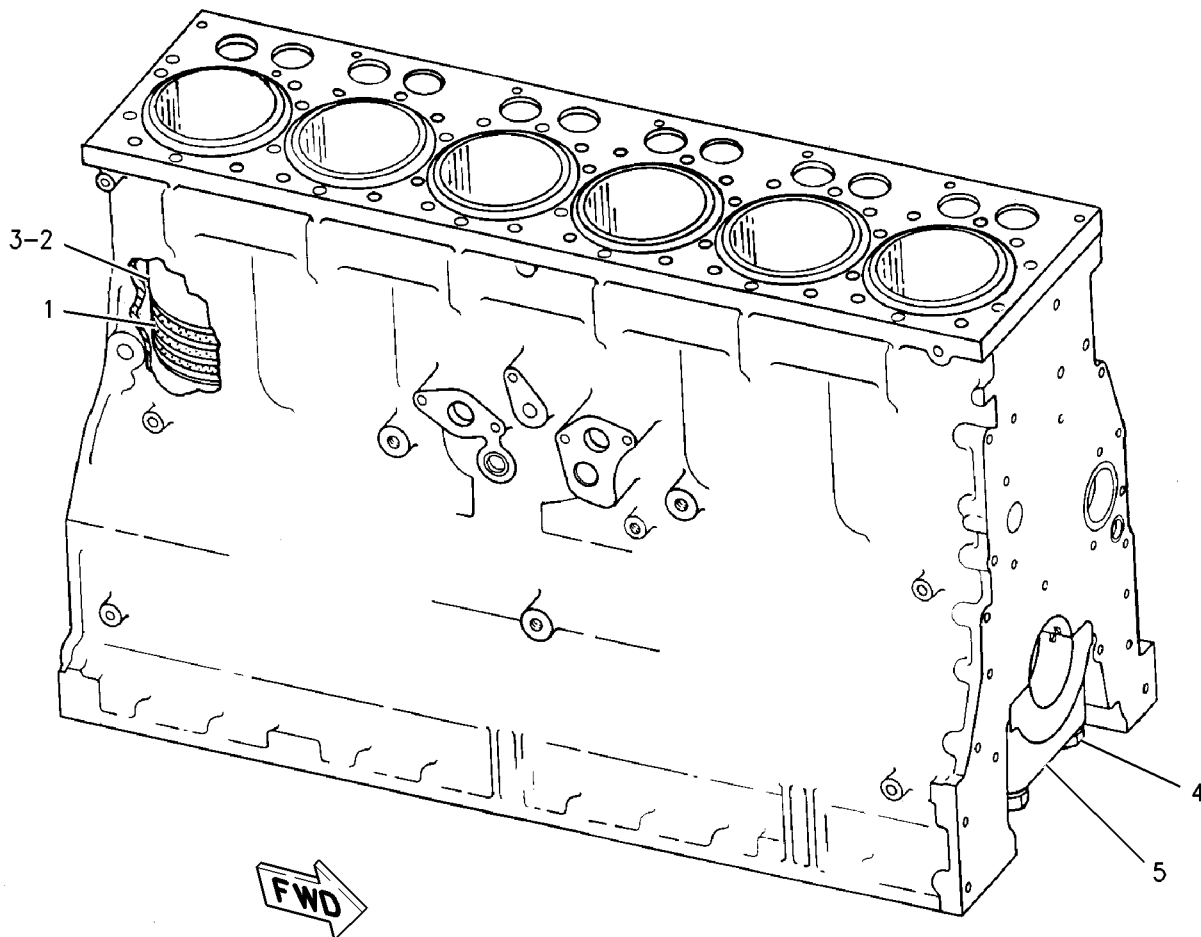
i02355519

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5S-6670	18	SEAL-O-RING						
	2	1	110-5800	6	LINER-CYLINDER						
ABJ		1	104-5512		INSERT (LINER SEAT) (.822-MM THK)						
ABJ		1	104-5518		INSERT (LINER SEAT) (1.605-MM THK)						
ABJ		1	104-5527		INSERT-LINER SEAT (2.71-MM THK)						
ABJ		1	104-5530		INSERT-LINER SEAT (5.21-MM THK)						
	3	1	2W-6134	6	BAND-FILLER						
	4	1	7S-3224	14	BOLT (5/8-11X5.25-IN)						
		1	2S-5658	14	WASHER-HARD (17X29X3-MM THK)						
	5	1	6N-8003	7	CAP-CRANKSHAFT BEARING						

A- NOT PART OF THIS GROUP

B- USE AS REQUIRED

J- TO REPAIR LIGHT DAMAGE DUE TO EROSION/FRETTING IN THE LINER FLANGE SEATING AREA



GRAPHIC #1

<END>

g00900802

BASIC ENGINE

7N-8016 CYLINDER BLOCK GP*R

SMCS-1201

i01946880

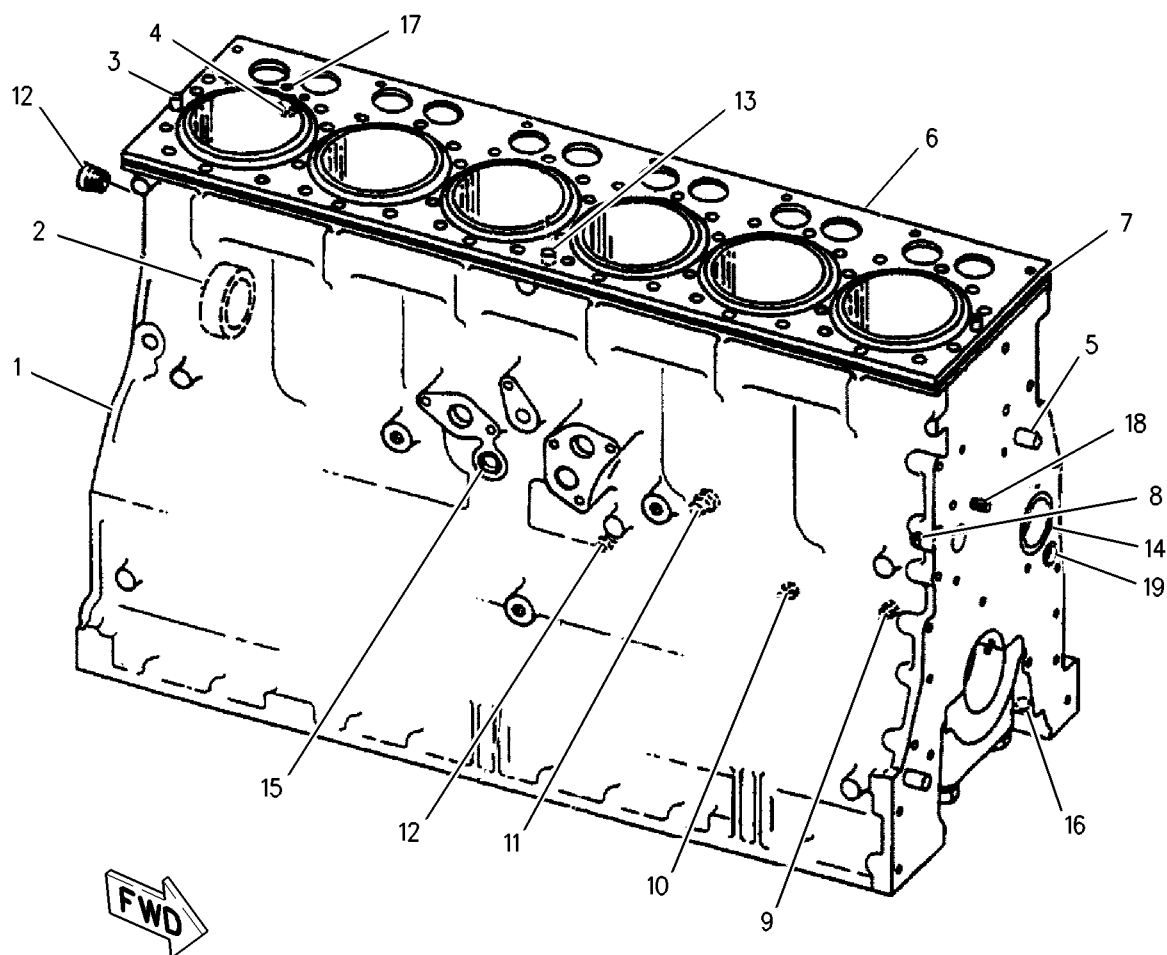
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	7N-6550	1	CYLINDER BLOCK GP	18
	2	1	7M-4046	4	BEARING-SLEEVE	
	3	1	8K-1207	2	DOWEL	
	4	1	3S-5496	1	SEAL-O-RING	
	5	1	8B-6349	2	DOWEL	
	6	1	7N-7998	1	PLATE-BLOCK	
	7	1	115-7550	1	GASKET-PLATE	
	8	1	8T-6764	1	PLUG-PIPE	
	9	1	8T-6763	1	PLUG-PIPE	
	10	1	8T-6765	4	PLUG-PIPE	
	11	1	8M-9307	1	PLUG	
		1	6F-7062	1	WASHER (12.7X19.05X1.83-MM THK)	
	12	1	8T-6762	3	PLUG-PIPE	
	13	1	5B-7652	2	DOWEL	
	14	1	8N-4110	1	BEARING-SLEEVE	
	15	1	4B-5387	2	PLUG-CUP	
	16	1	4B-9782	1	BALL	
	17	1	1S-9540	1	DOWEL	
	18	1	5S-8462	1	STUD	
C	19	1	4B-3938	1	PLUG-CUP	

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION

BASIC ENGINE

7N-8016 CYLINDER BLOCK GP (contd.)

i01946880



GRAPHIC #1

<END>

g00900799

BASIC ENGINE

9Y-2638 CYLINDER HEAD AS

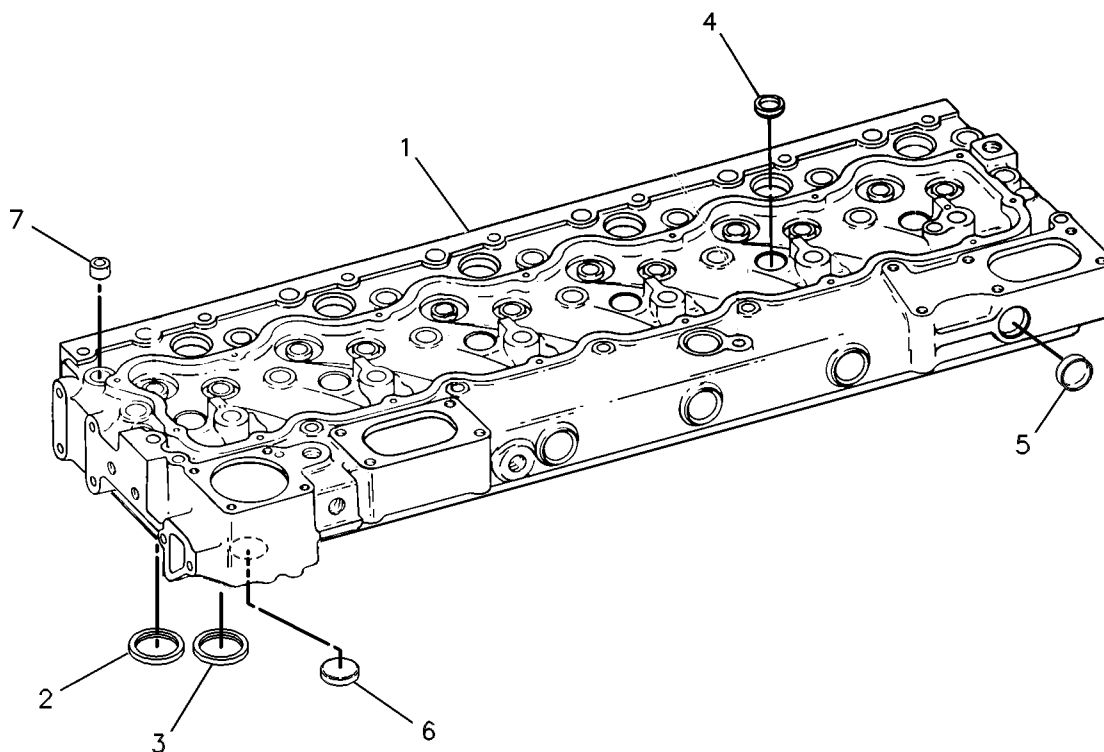
PART OF 6I-2402, 9Y-3640 CYLINDER HEAD GP

FIELD REPLACEMENT ORDER 6I-2402-PAGE 22

SMCS-1100, 1101

i03007638

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	148-2138	1	CYLINDER HEAD AS						
	2	1	107-0268	6	INSERT-VALVE SEAT (INLET)						
	3	1	7N-1649	6	INSERT-VALVE SEAT (EXHAUST)						
	4	1	3B-0623	6	PLUG-CUP						
	5	1	3S-8313	7	PLUG-CUP						
	6	1	3P-1896	1	PLUG-CUP						
	7	1	1S-3062	18	DIRECTOR-WATER						



GRAPHIC #1

<END>

g00457782

BASIC ENGINE

6I - 2402 CYLINDER HEAD GP*R

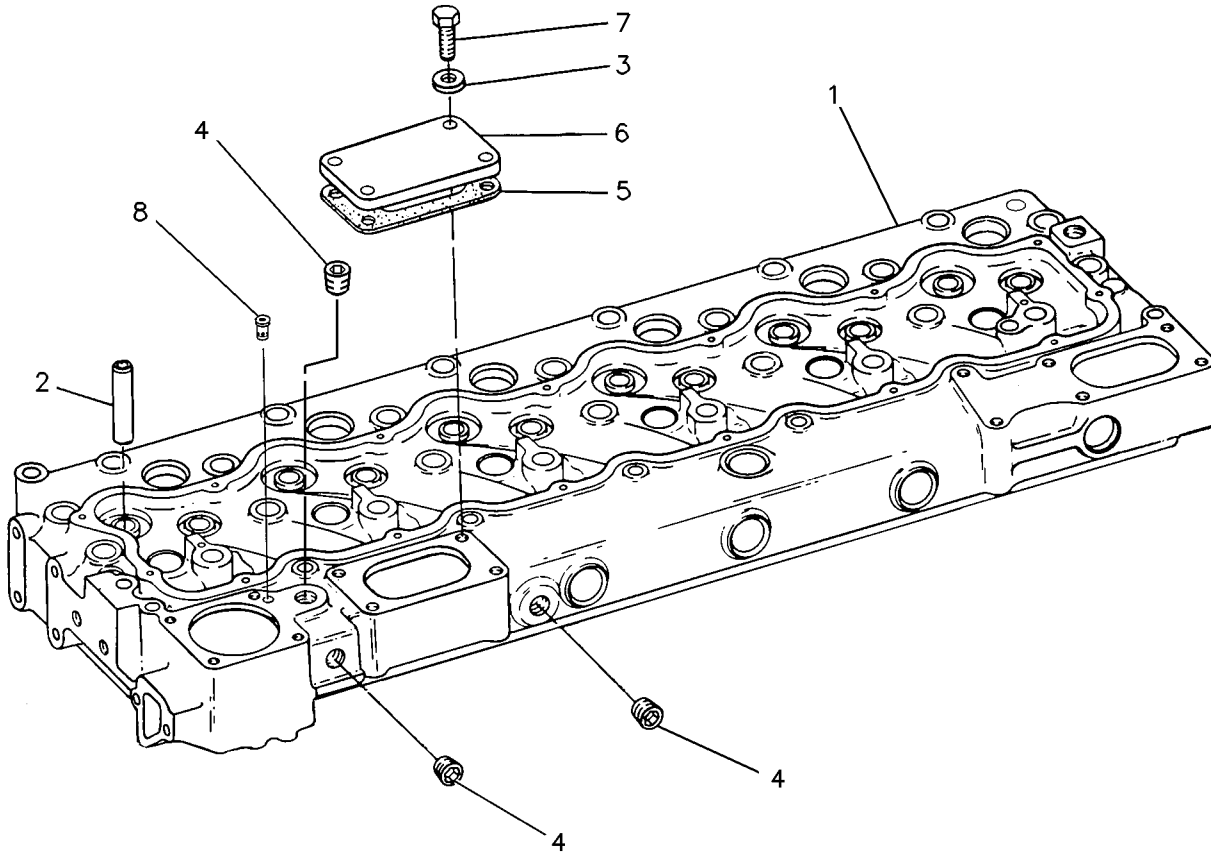
FIELD REPLACEMENT FOR 9Y-2638—PAGE 21

SMCS-1100

i00899597

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	9Y-2638	1	CYLINDER HEAD AS						21
	2	1	117-8732	12	GUIDE-VALVE						
	3	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	4	1	8T-6762	3	PLUG-PIPE						
	5	1	5S-6735	1	GASKET						
	6	1	1P-6367	1	COVER						
	7	1	0S-1594	4	BOLT (3/8-16X1-IN)						
	8	1	8N-4485	1	VALVE AS-VENT						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00227924

BASIC ENGINE

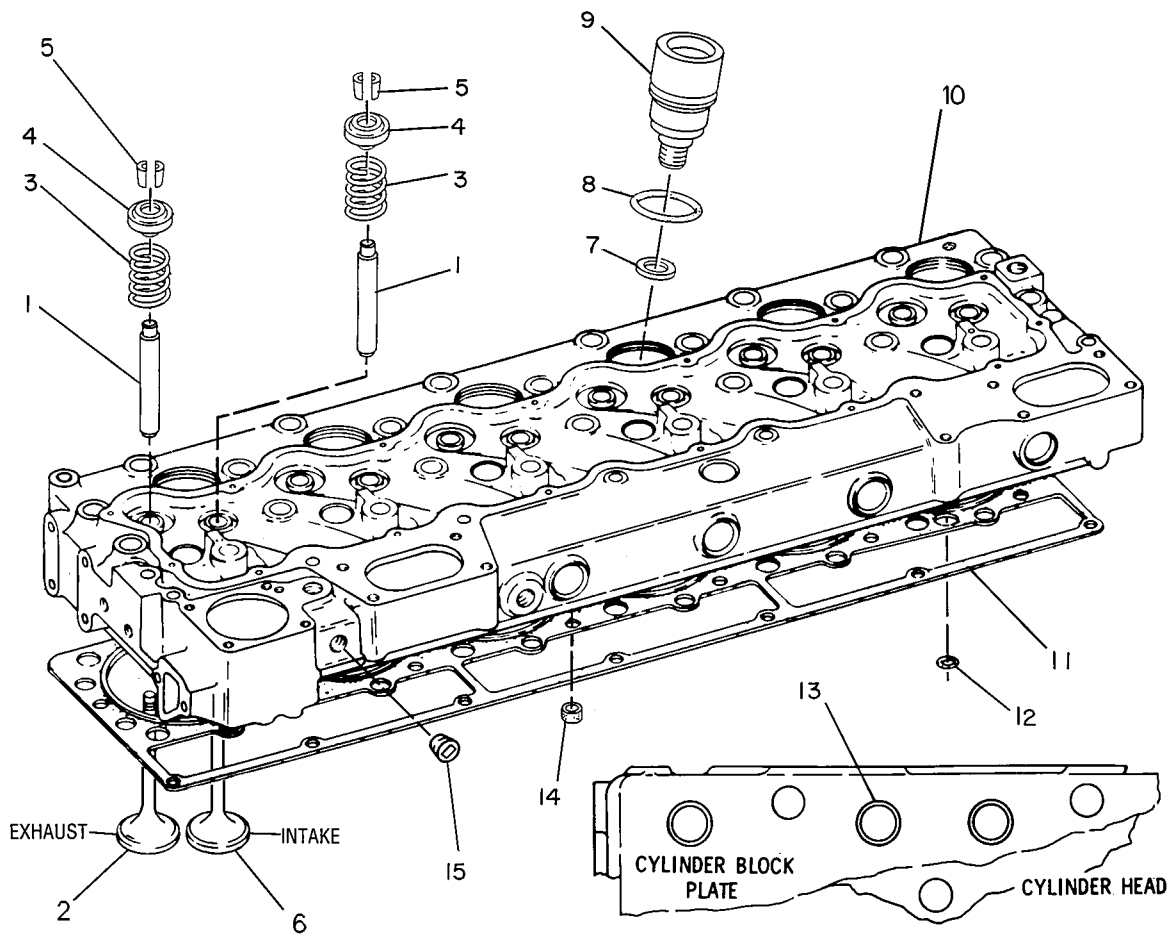
9Y-3640 CYLINDER HEAD GP*R

SMCS-1100

i01793919

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	7E-1551	12	GUIDE-VALVE	
	2	1	2W-2877	6	VALVE-EXHAUST	
	3	1	7S-7144	12	SPRING-VALVE	
	4	1	8N-7782	12	ROTOCOIL AS	
	5	1	2A-4429	24	LOCK-RETAINER	
	6	1	2W-2621	6	VALVE-INLET	
	7	1	2N-7174	6	GASKET	
	8	1	7S-3206	6	SEAL-O-RING	
	9	1	7N-1743	6	ADAPTER-PLUG	
Y	10	1	9Y-2638	1	CYLINDER HEAD AS	21
	11	1	111-8015	1	GASKET AS-CYLINDER HEAD	
	12	1	3S-5496	1	SEAL-O-RING	
	13	1	9Y-1798	18	SEAL	
	14	1	7N-8018	6	SEAL	
	15	1	8T-6762	3	PLUG-PIPE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00227925

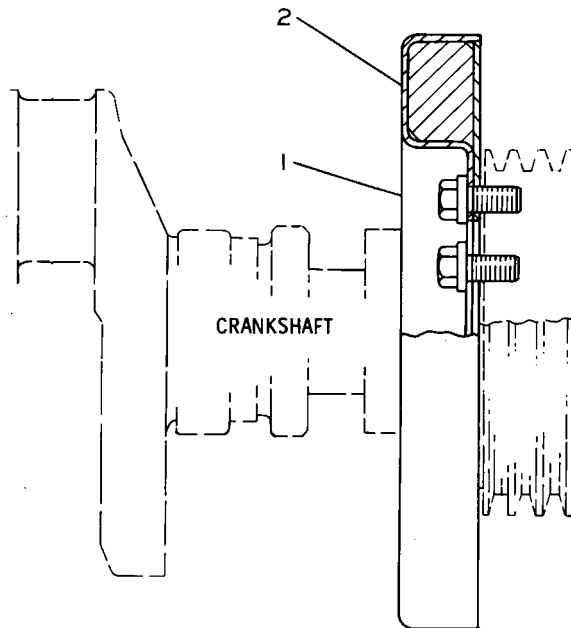
BASIC ENGINE

3N-2885 DAMPER GP

SMCS-1205

i02355553

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	0S-1595	6	BOLT (1/2-13X1.25-IN)						
C		1	2M-0849	6	WASHER-HARD (13.5X25.5X5-MM THK)						
C	2	1	167-8123	1	DAMPER AS						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00135149

BASIC ENGINE

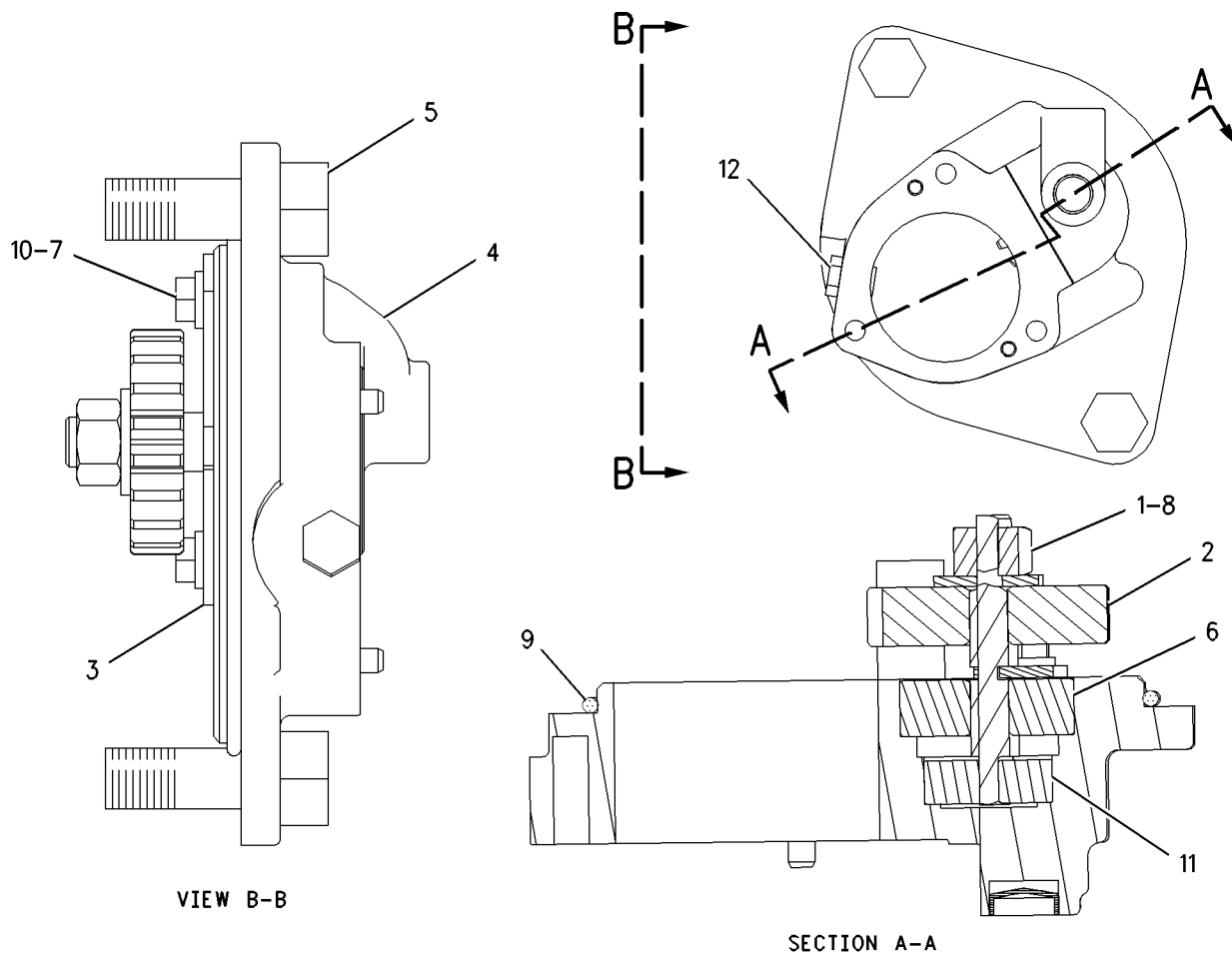
7N-6110 DRIVE GP-ACCESSORY

AN ATTACHMENT

SMCS-1207

i01662362

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2N-3958	1	LOCKNUT						
	2	1	7N-2322	1	SHAFT AS (19-TEETH)						
	3	1	7N-2323	1	PLATE						
	4	1	7N-2981	1	HOUSING AS						
		1	5B-1866	1	PLUG-CUP						
		1	2A-3348	2	DOWEL						
	5	1	0S-1589	2	BOLT (5/8-11X1.75-IN)						
	6	1	1N-8320	1	BALL BEARING						
	7	1	2A-0762	2	BOLT (1/4-20X0.625-IN)						
	8	1	4B-4280	1	WASHER (13.5X27X2.5-MM THK)						
	9	1	5F-3106	1	SEAL-O-RING						
	10	1	5P-0537	2	WASHER-HARD (7.2X14.5X2-MM THK)						
	11	1	6B-5328	1	BEARING						
	12	1	8T-6765	1	PLUG-PIPE						



GRAPHIC #1

<END>

g00917889

BASIC ENGINE

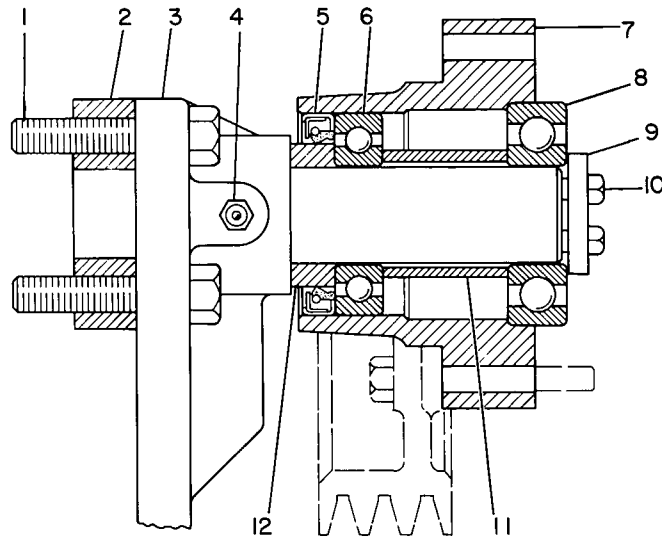
3N-7019 DRIVE GP-FAN

CENTER IS 6.48 INCH OUT FROM HEAD, CRANK CENTER TO FAN VARIES FROM 13 TO 22 INCH,
ADJUSTABLE
AN ATTACHMENT

SMCS-1359

i01856289

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2B-0947	4	BOLT (1/2-13X2.25-IN)						
	2	1	9F-8885	4	SPACER						
	3	1	1P-9945	1	BRACKET AS-FAN						
		1	1P-9946	1	SHAFT-FAN						
		1	5B-5812	1	DOWEL						
	4	1	3B-8489	1	FITTING-GREASE (FAN DRIVE)						
	5	1	5S-2106	1	SEAL-LIP TYPE						
	6	1	8H-9789	1	BEARING AS-BALL						
	7	1	2P-1757	1	HUB-FAN PULLEY						
	8	1	3L-1425	1	BALL BEARING						
	9	1	5S-7264	1	WASHER-RETAINING (0.219-IN THK)						
	10	1	6V-4626	2	BOLT-LOCKING (5/16-24X2-IN)						
	11	1	8N-5305	1	SPACER (35.6X47.62X43.74-MM THK)						
	12	1	5S-9062	1	SPACER (35.032X50.8X15.88-MM THK)						



GRAPHIC #1

<END>

g00167283

BASIC ENGINE

3N-7210 DRIVE GP-FAN

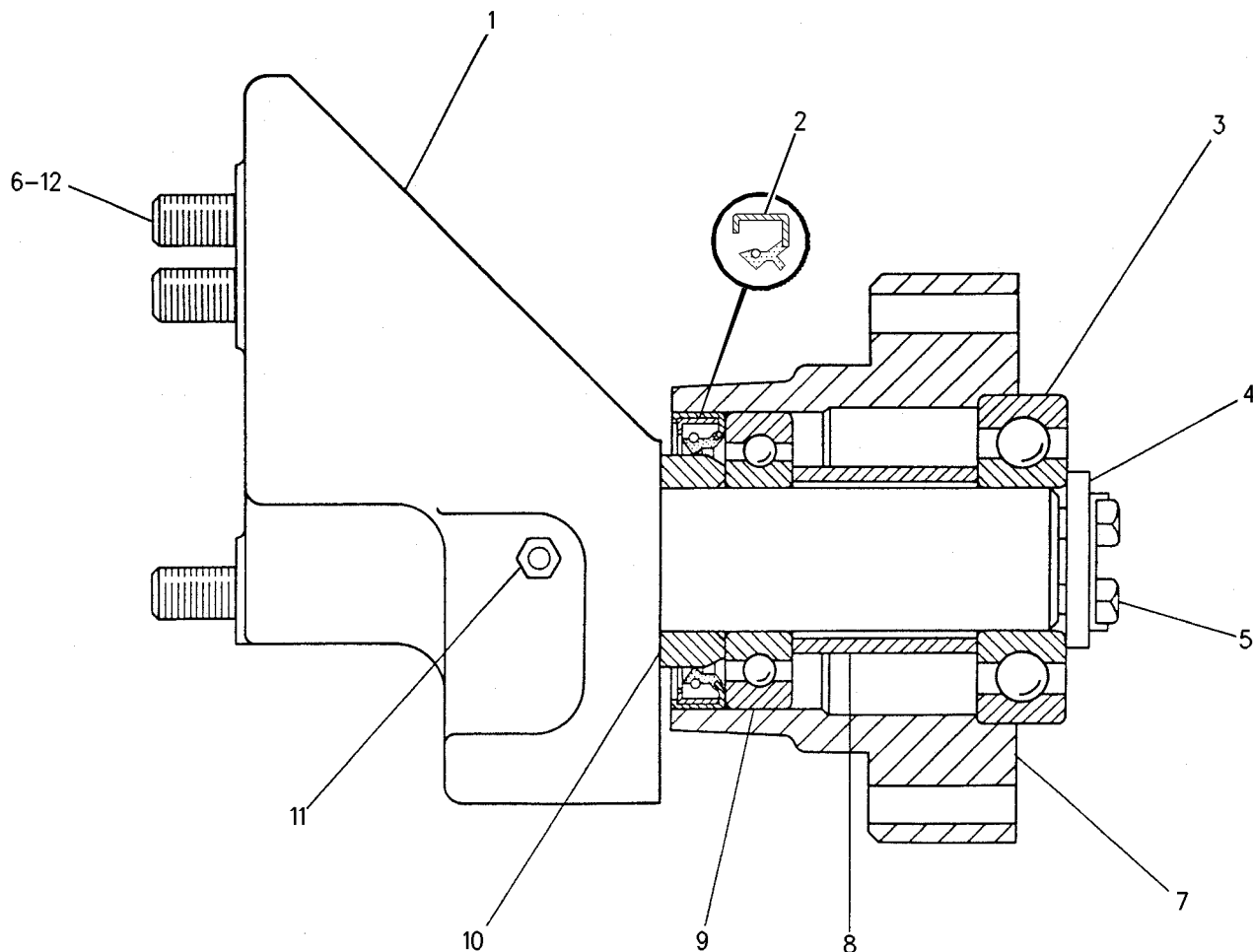
FOR USE WITH FAN PULLEY & ALTERNATOR OR BELT TIGHTENER
AN ATTACHMENT

SMCS-1359

i01832417

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	4N-4682	1	BRACKET AS	
		1	5B-5812	1	DOWEL	
	2	1	5S-2106	1	SEAL-LIP TYPE	
	3	1	3L-1425	1	BALL BEARING	
	4	1	5S-7264	1	WASHER-RETAINING (0.219-IN THK)	
	5	1	1H-5403	2	BOLT (5/16-24X2-IN)	
		1	2F-6156	1	LOCKNUT	
					-OR-	
C		1	6V-4626	2	BOLT-LOCKING (5/16-24X2-IN)	
	6	1	2M-0849	4	WASHER-HARD (13.5X25.5X5-MM THK)	
	7	1	2P-1757	1	HUB-FAN PULLEY	
C	8	1	8N-5305	1	SPACER (35.6X47.62X43.74-MM THK)	
	9	1	8H-9789	1	BEARING AS-BALL	
	10	1	5S-9062	1	SPACER (35.032X50.8X15.88-MM THK)	
	11	1	3B-8489	1	FITTING-GREASE (FAN DRIVE)	
	12	1	7B-3235	4	BOLT (1/2-13X1.375-IN)	
					-OR-	
C		1	0S-1585	4	BOLT (1/2-13X1.5-IN)	

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00936614

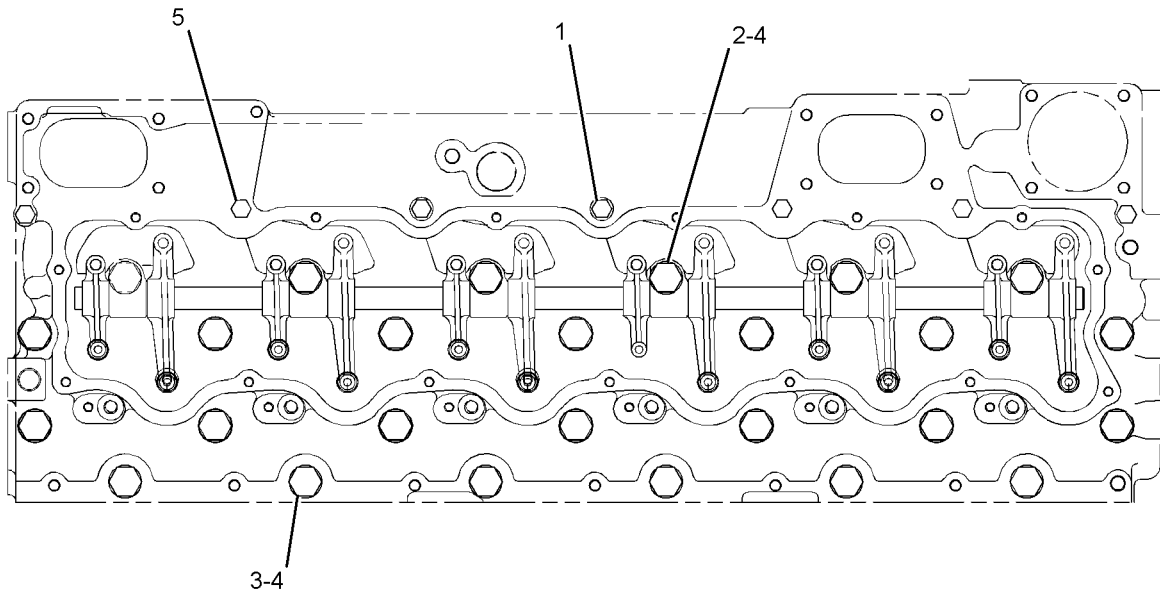
BASIC ENGINE

7N-9536 FASTENER GP-CYLINDER HEAD

SMCS-1100

i02876885

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5B-9603	6	BOLT (3/8-16X5-IN)						
	2	1	1B-7709	5	BOLT (5/8-11X8-IN)						
	3	1	1D-4595	20	BOLT (5/8-11X6-IN)						
	4	1	2S-0736	25	WASHER-HARD (17X27X3.5-MM THK)						
B	5	1	5B-9603	1	BOLT (3/8-16X5-IN)						
B-USE AS REQUIRED											



TOP VIEW OF ENGINE

GRAPHIC #1

<END>

g01432541

BASIC ENGINE

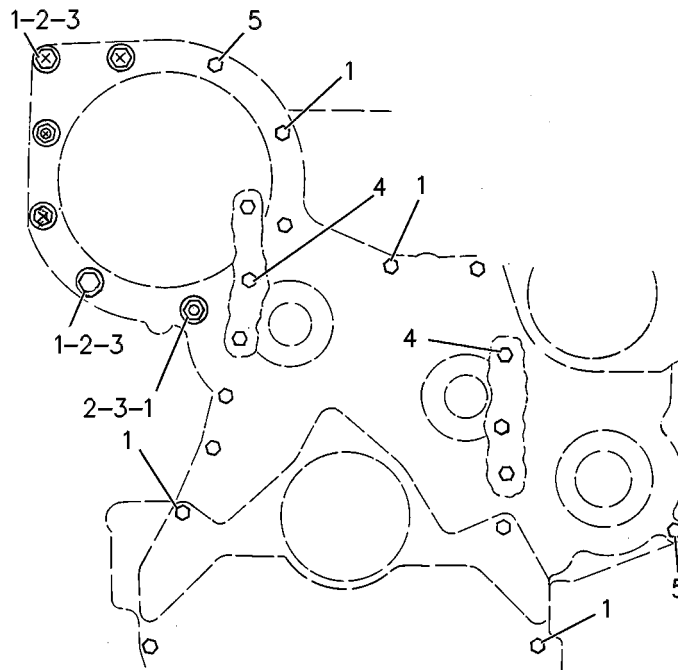
3N-2887 FASTENER GP-FRONT HOUSING

SMCS-1151, 1162

i01790213

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
B	1	1	0L-2070	16	BOLT (3/8-16X2.25-IN)	
	2	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	6V-8801	6	NUT (3/8-16-THD)	
	4	1	3E-6914	6	BOLT (3/8-16X0.87-IN)	
	5	1	1C-2251	2	BOLT (3/8-16X1.87-IN)	

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00241001

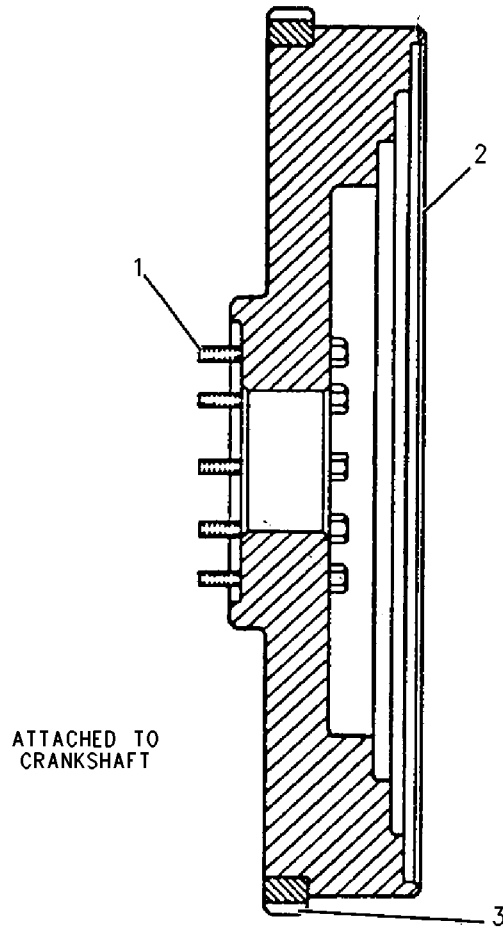
BASIC ENGINE

7N-4137 FLYWHEEL GP AN ATTACHMENT

SMCS-1156

i01790949

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1600	9	BOLT (5/8-18X2.5 IN)						
	2	1	4W-6805	1	FLYWHEEL AS						
	3	1	7N-9146	1	GEAR (156 TEETH)						



GRAPHIC #1

<END>

g00916890

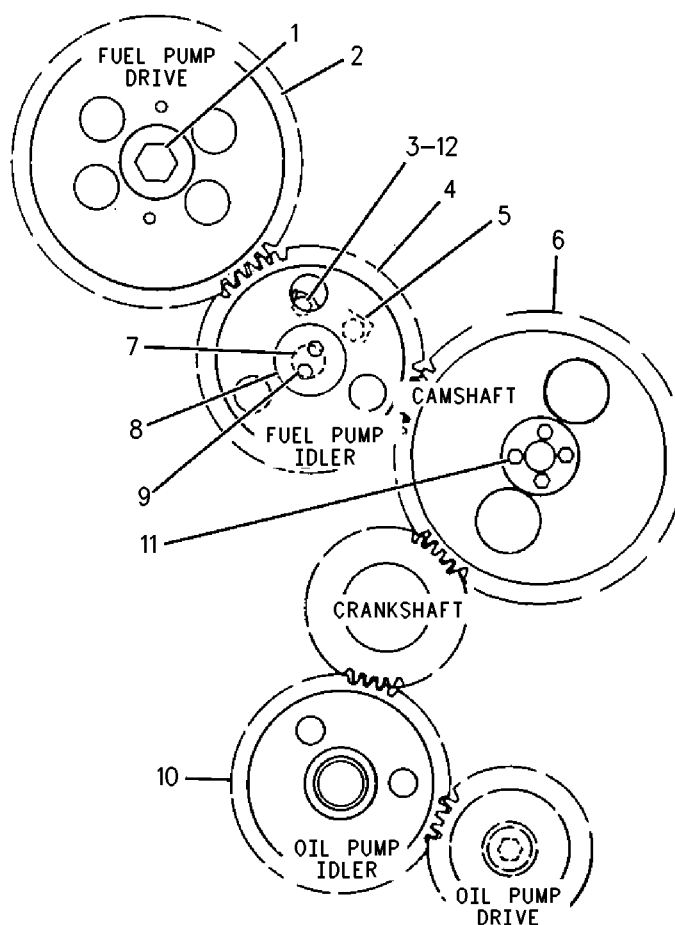
BASIC ENGINE

2P-9642 GEAR GP-FRONT

SMCS-1151, 1162, 1206

i01790950

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1603	1	BOLT (1/2-20X1.5IN)						
		1	4N-3371	1	WASHER (.516X1.560X.312 IN THK)						
	2	1	7N-3536	1	GEAR-FUEL PUMP DRIVE (80 TEETH)						
	3	1	0S-1594	2	BOLT (3/8-16X1 IN)						
	4	1	196-0029	1	GEAR AS-IDLER (57 TEETH)						
		1	195-0302	1	BEARING-SLEEVE						
	5	1	5B-9079	1	NUT-JAM (3/8-24 THD)						
	6	1	1W-4402	1	GEAR-CAMSHAFT (80 TEETH)						
	7	1	170-7502	1	SHAFT-DRIVE IDLER						
	8	1	8N-4960	1	PLATE-THRUST						
	9	1	0S-1618	2	BOLT (5/16-18X1 IN)						
	10	1	196-0223	1	GEAR AS-IDLER (60 TEETH)						
		1	196-9988	1	BEARING-SLEEVE						
	11	1	0S-1748	4	BOLT (3/8-24X2 IN)						
	12	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						



FRONT VIEW

GRAPHIC #1

<END>

g00916864

BASIC ENGINE

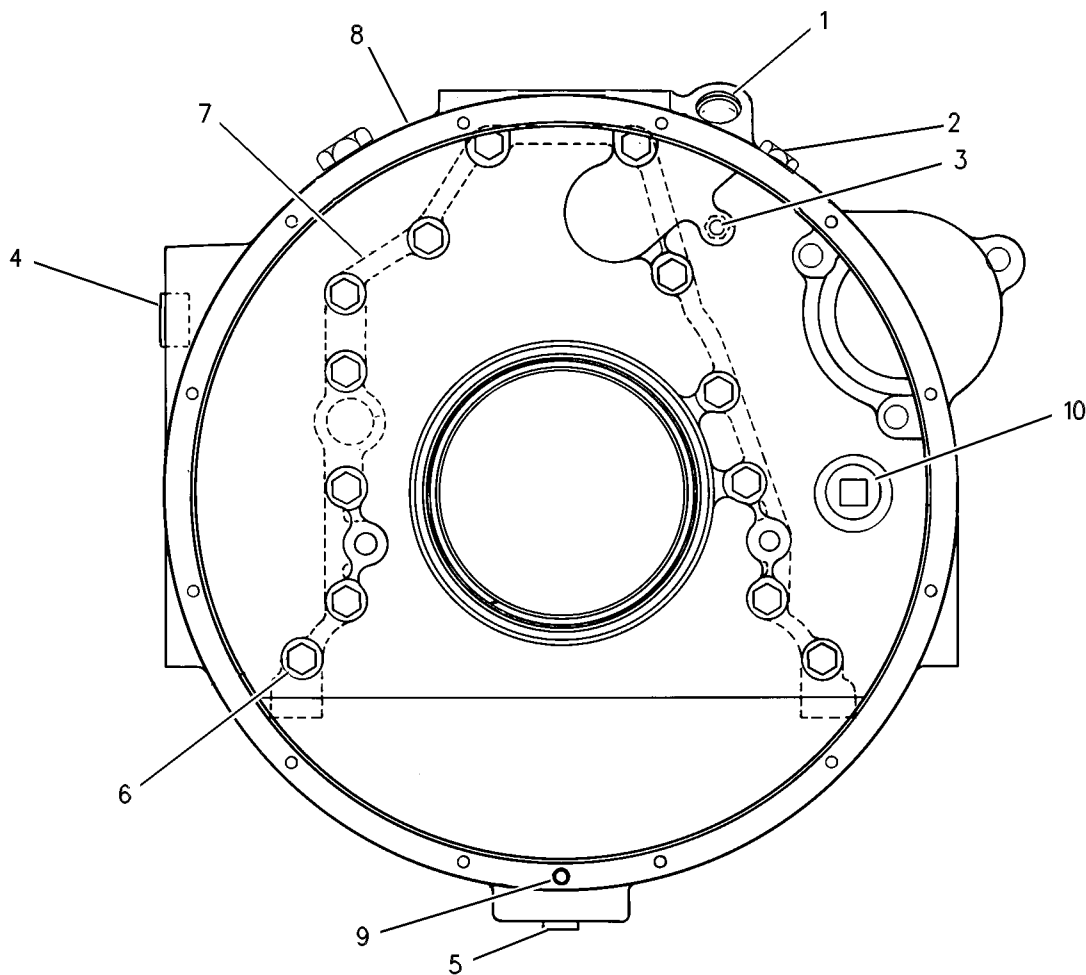
8N-2395 HOUSING GP-FLYWHEEL

SMCS-1157

i01832447

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
B	1	1	3B-0645	1	PLUG-CUP						
	2	1	5F-0304	2	PLUG (FLYWHEEL HOUSING)						
		1	2A-1162	2	GASKET						
	3	1	8T-6765	1	PLUG-PIPE						
	4	1	7X-7730	1	PLUG-PIPE						
	5	1	7X-7731	1	PLUG-PIPE						
	6	1	1A-1460	13	BOLT (1/2-13X2-IN)						
	7	1	9H-5921	1	GASKET						
	8	1	143-0814	1	HOUSING-FLYWHEEL						
B	9	1	8S-0527	1	PLUG-CUP						
	10	1	8T-6760	1	PLUG-PIPE						

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00277386

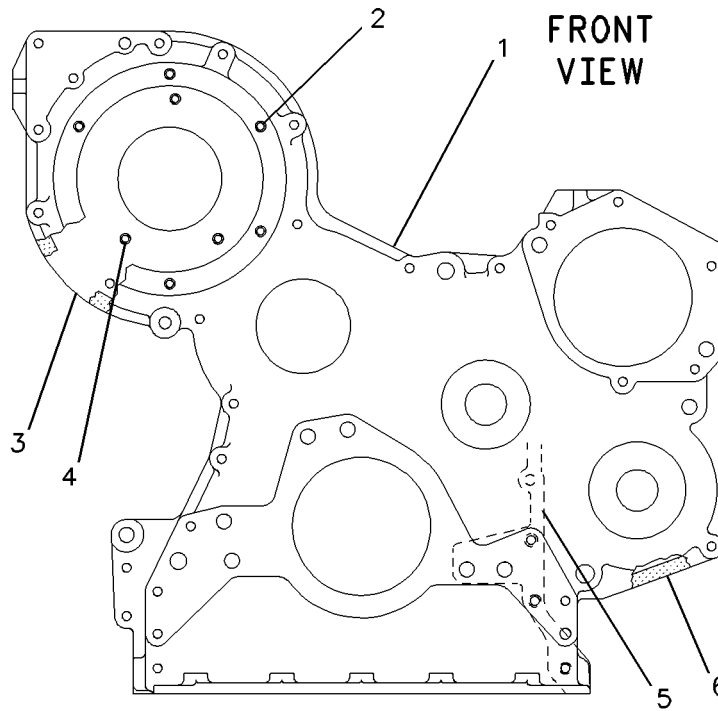
BASIC ENGINE

8N-0303 HOUSING GP-FRONT

SMCS-1151, 1162, 1206

i01758310

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0923	1	HOUSING AS-FRONT						
	2	1	9X-2485	6	STUD						
	3	1	1W-7816	1	PLATE AS						
		1	5M-6214	1	PLUG-PIPE						
	4	1	6H-0192	3	STUD						
	5	1	8N-0110	1	GASKET-FRONT PLATE						
	6	1	1W-3900	1	GASKET						



GRAPHIC #1

<END>

g00899514

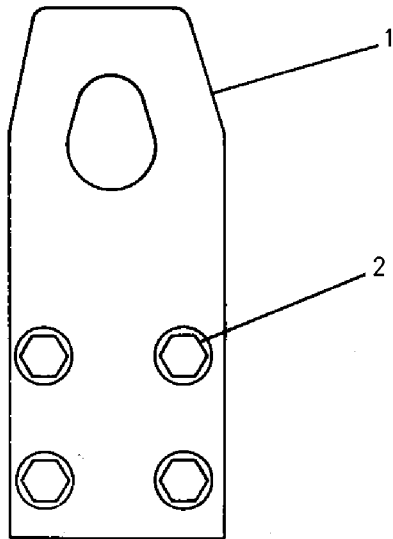
BASIC ENGINE

8N-3157 LIFTING GP-ENGINE

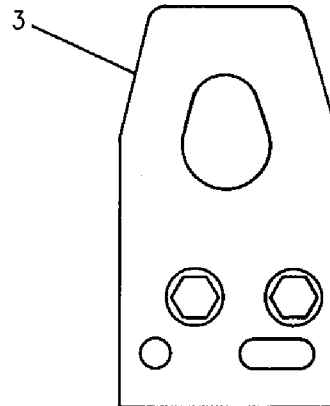
SMCS-1122

i01790953

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8N-3272	1	PLATE-LIFTING EYE						
	2	1	4B-3823	6	BOLT (1/2-13X1.25-IN)						
		1	5P-8245	6	WASHER-HARD (13.5X25.5X3-MM THK)						
	3	1	6N-7650	1	PLATE-LIFTING EYE						



FRONT VIEW



REAR VIEW

GRAPHIC #1

<END>

g00916872

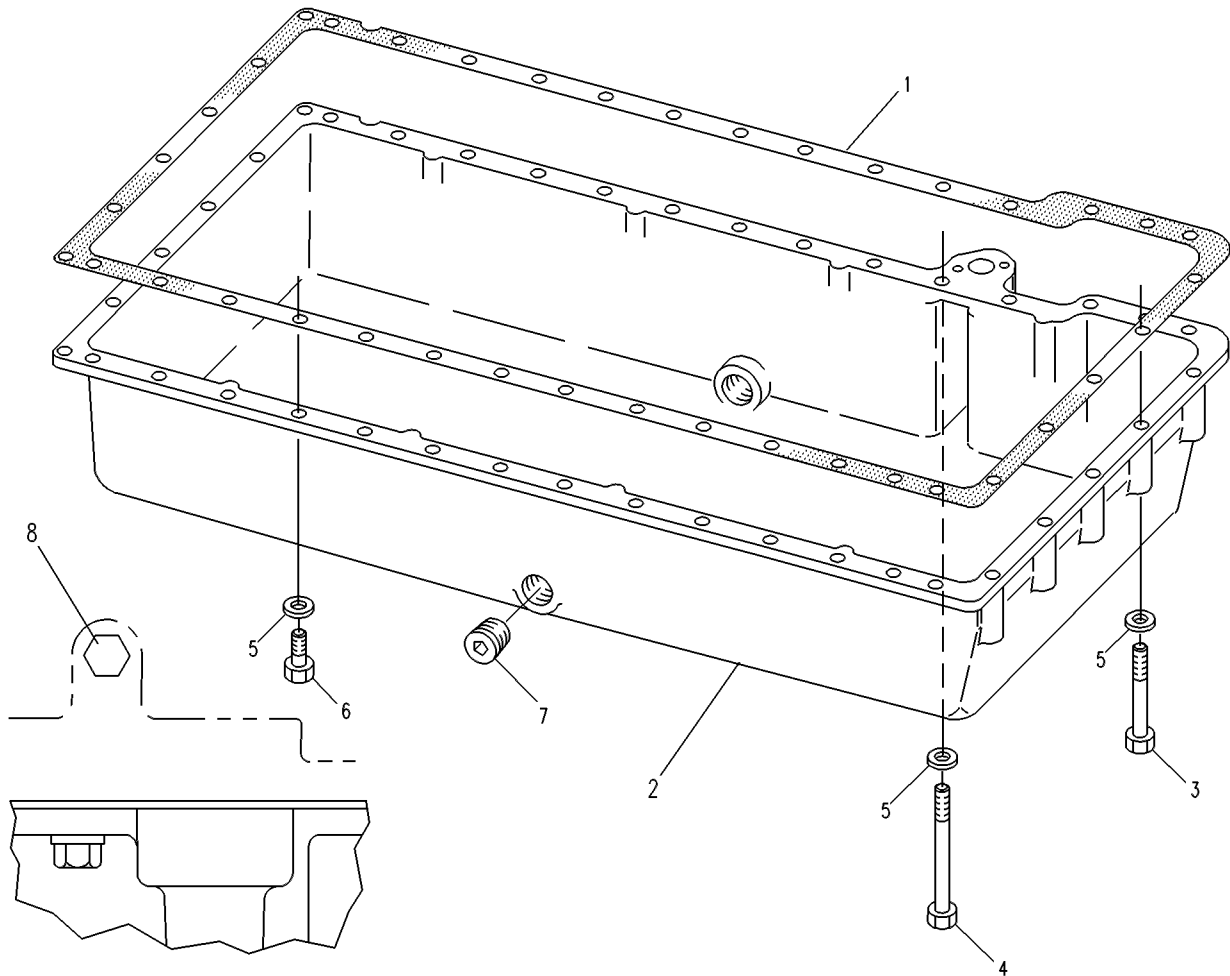
BASIC ENGINE

1W-0592 PAN GP-OIL

SMCS-1302

i01790087

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	169-4200	1	GASKET						
	2	1	4W-8235	1	PAN-OIL						
	3	1	0L-1352	12	BOLT (3/8-16X3.25-IN)						
	4	1	5B-2638	1	BOLT (3/8-16X5.25-IN)						
	5	1	5M-2894	39	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	6	1	1A-2029	26	BOLT (3/8-16X1.125-IN)						
	7	1	8T-6761	2	PLUG-PIPE						
	8	1	8T-6764	1	PLUG-PIPE						



GRAPHIC #1

<END>

g00260326

BASIC ENGINE

4P-2699 PISTON & ROD GP

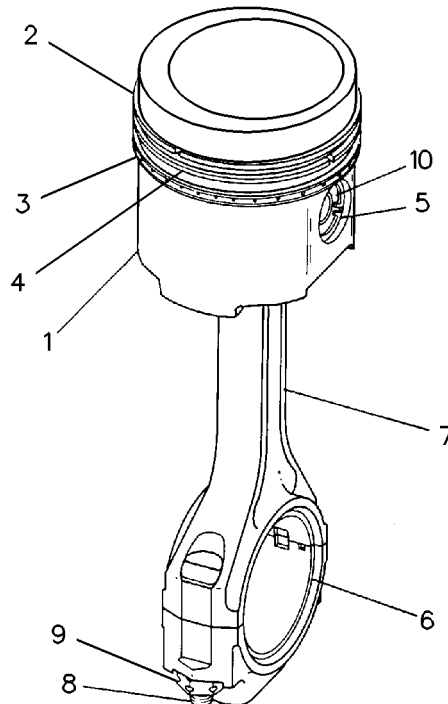
8:1 RATIO

SMCS-1225

i03018343

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	4P-2655	1	BODY AS-PISTON						
	2	1	4P-2656	1	RING-PISTON (TOP)						
	3	1	4P-2658	1	RING-PISTON (OIL)						
	4	1	110-8722	1	RING-PISTON (INTERMEDIATE)						
	5	1	9H-4015	2	RETAINER-PIN						
	6	1	4W-5739	1	BEARING-CONNECTING ROD (STANDARD)						
		1	2S-0502	1	BEARING-CONNECTING ROD (0.01-IN US)						
		1	2S-0503	1	BEARING-CONNECTING ROD (0.02-IN US)						
R		1	7M-7826	1	BEARING-CONNECTING ROD (0.03-IN US)						
	7	1	8N-1984	1	ROD AS-CONNECTING						
		1	8N-1985	1	BEARING-CONNECTING ROD						
	8	1	1P-9956	2	BOLT-CONNECTING ROD						
	9	1	5S-6348	2	NUT (1/2-20-THD)						
	10	1	7N-9804	1	PIN-PISTON						

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g00217322

BASIC ENGINE

126-0185 PISTON & ROD GP

SMCS-1225

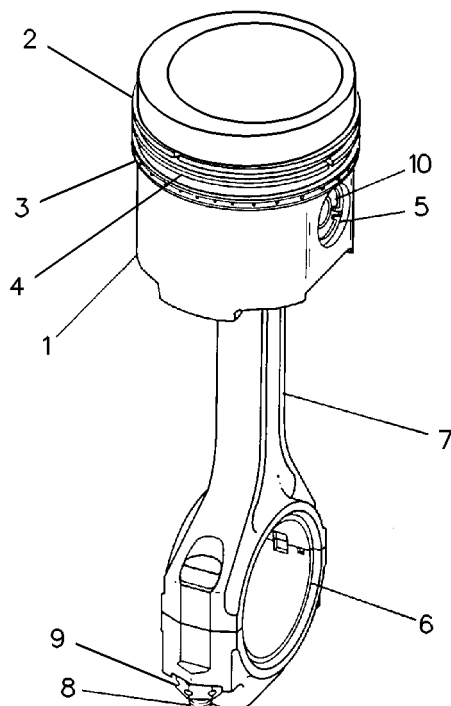
i03018356

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	4P-2654	1	BODY AS-PISTON						
	2	1	4P-2656	1	RING-PISTON (TOP)						
	3	1	4P-2658	1	RING-PISTON (OIL)						
	4	1	110-8722	1	RING-PISTON (INTERMEDIATE)						
	5	1	9H-4015	2	RETAINER-PIN						
	6	1	4W-5739	1	BEARING-CONNECTING ROD (STANDARD)						
AB		1	2S-0502		BEARING-CONNECTING ROD (0.01-IN US)						
AB		1	2S-0503		BEARING-CONNECTING ROD (0.02-IN US)						
		1	7M-7826	1	BEARING-CONNECTING ROD (0.03-IN US)						
R	7	1	8N-1984	1	ROD AS-CONNECTING						
		1	8N-1985	1	BEARING-CONNECTING ROD						
	8	1	1P-9956	2	BOLT-CONNECTING ROD						
	9	1	5S-6348	2	NUT (1/2-20-THD)						
	10	1	7N-9804	1	PIN-PISTON						

A - NOT PART OF THIS GROUP

B - USE AS REQUIRED

R - REMFG PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g00217322

BASIC ENGINE

3N-9098 POWER TAKE-OFF GP

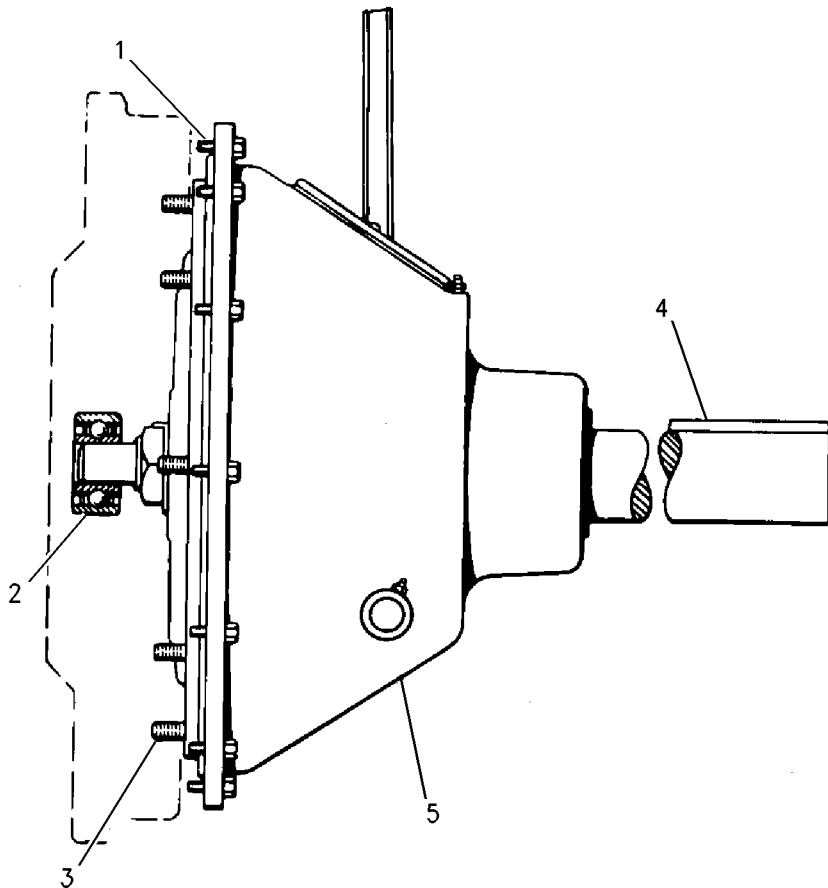
CLUTCH

FOR USE WITH SAE NO. 1 FLYWHEEL
AN ATTACHMENT

SMCS-1165

i01809525

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0T-0320	12	BOLT (7/16-14X1.25-IN)						
	2	1	6V-0455	1	BALL BEARING						
	3	1	0S-1595	8	BOLT (1/2-13X1.25-IN)						
	4	1	6B-8575	1	KEY-SQUARE						
Y	5	1	3N-9097	1	CLUTCH GP						7
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

<END>

g00917626

BASIC ENGINE

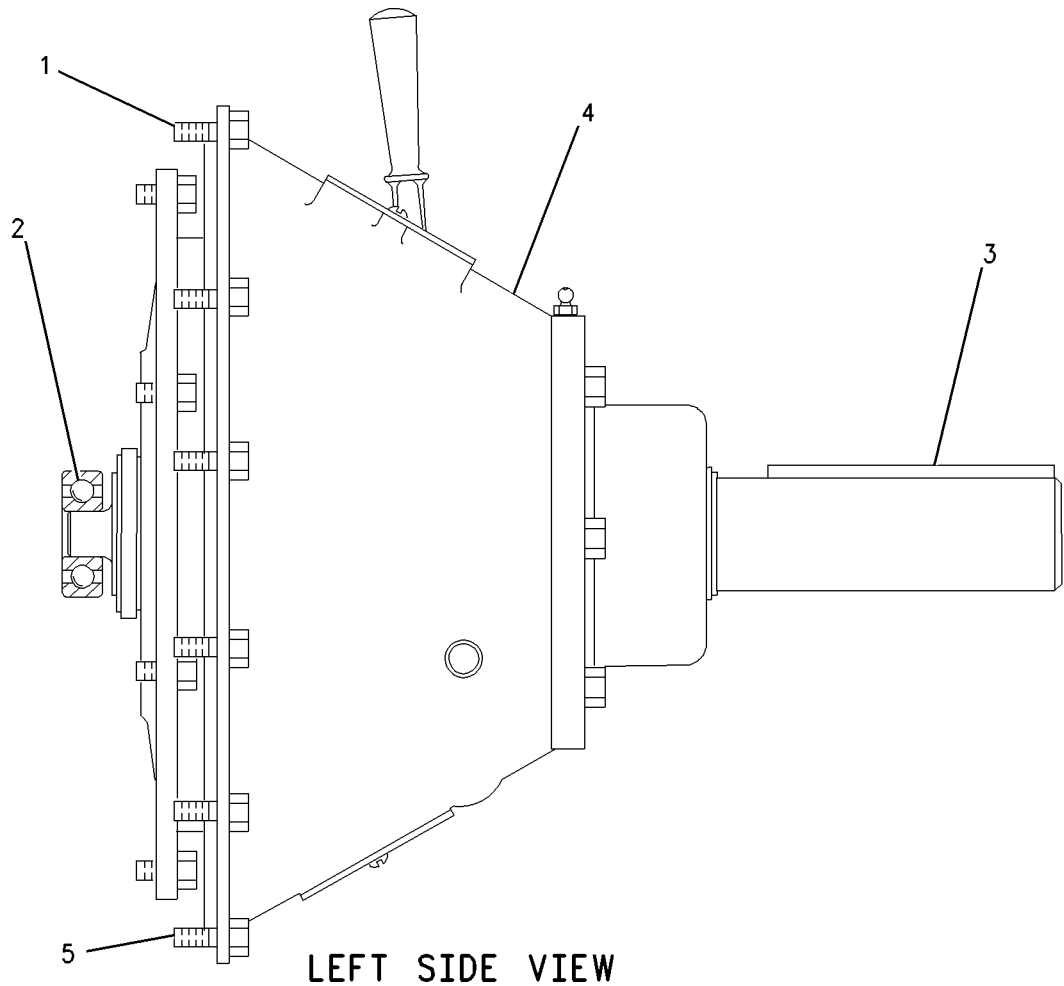
4P-3074 POWER TAKE-OFF GP

REAR CLUTCH SUPPORT IS REQUIRED FOR SIDE LOAD APPLICATIONS
FOR USE WITH IN-LINE LOAD ONLY, SAE NO. 1 FLYWHEEL AND FLYWHEEL HOUSING. CANNOT BE
USED WITH REAR STUB SHAFT
AN ATTACHMENT

SMCS-1165

i01509984

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7B-3235	8	BOLT (1/2-13X1.375 IN)						
	2	1	6V-0455	1	BALL BEARING						
	3	1	7F-8896	1	KEY						
Y	4	1	4P-3073	1	CLUTCH GP						9
	5	1	3H-5368	12	BOLT (7/16-14X1.375IN)						
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

<END>

g00784075

BASIC ENGINE

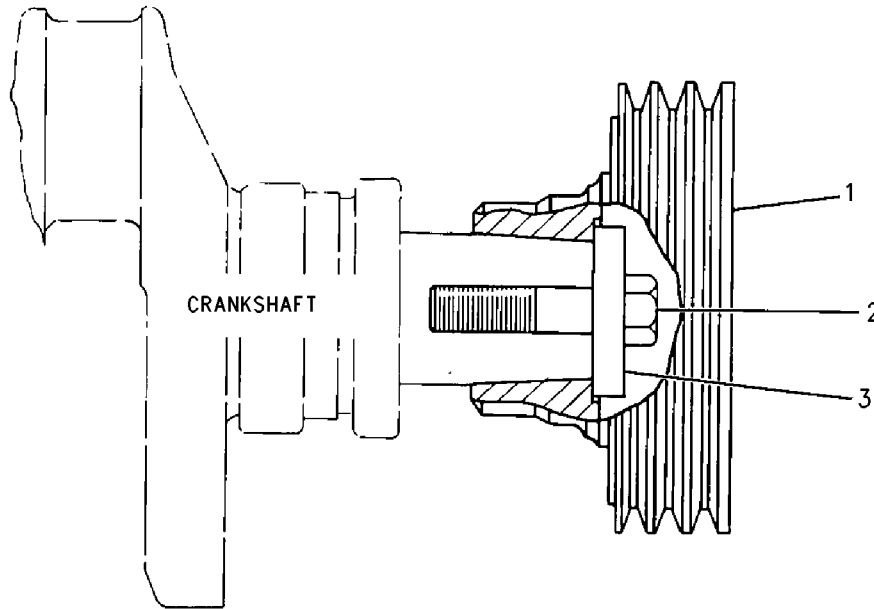
3N-2884 PULLEY GP - CRANKSHAFT

FOR USE WITH MOBILE EQUIPMENT AR

SMCS-1205

i01940067

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	7W-5692	1	PULLEY - CRANKSHAFT						
	2	1	6B-5310	1	BOLT (3/4 - 16X3.25 - IN)						
	3	1	5S-9948	1	WASHER - PULLEY						
C- CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00916946

BASIC ENGINE

3N-6128 PULLEY GP - CRANKSHAFT

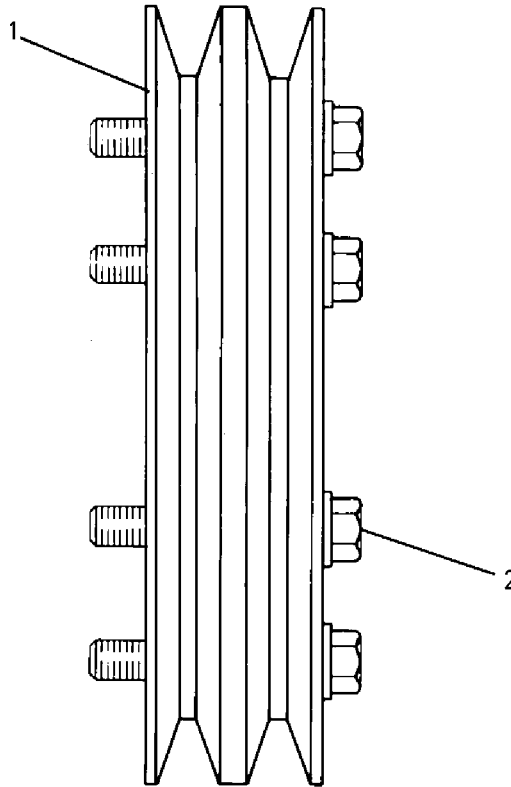
2 GROOVE

CANNOT BE USED WITH STUB SHAFT
AN ATTACHMENT

SMCS-1205

i01940072

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-6127	1	PULLEY - CRANKSHAFT						
	2	1	2P-3207	6	BOLT - WASHER HEAD (3/8-16X2.25-IN)						



GRAPHIC #1

<END>

g00916948

BASIC ENGINE

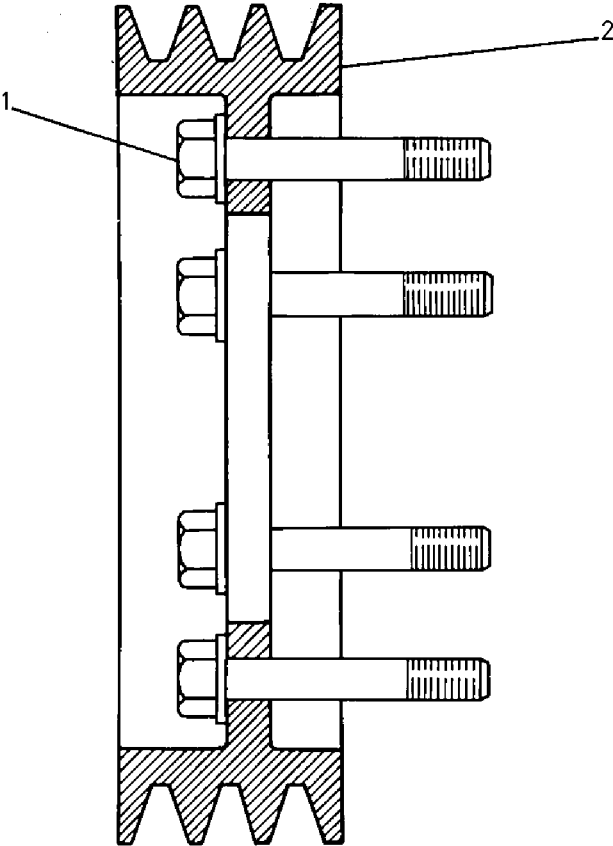
3N-5626 PULLEY GP-FAN DRIVE

PROVIDES A 3 GROOVE 7.50 INCH DIAMETER PULLEY WITH A GROOVE WIDTH OF 0.50 INCH
AN ATTACHMENT

SMCS-1359

i01940073

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	0L-1143	6	BOLT (3/8-16X2.5-IN)	
		1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	2	1	4N-4679	1	PULLEY-FAN DRIVE	



GRAPHIC #1

<END>

g00916950

BASIC ENGINE

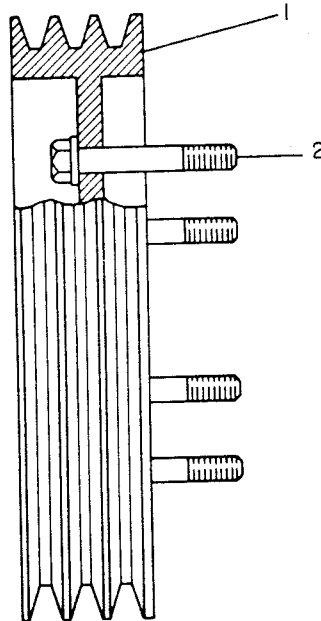
3N-5627 PULLEY GP-FAN DRIVE

FOR USE WITH CUSTOMER SUPPLIED RADIATOR
AN ATTACHMENT

SMCS-1359

i01940074

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-5602	1	PULLEY-FAN DRIVE						
	2	1	0L-1143	6	BOLT (3/8-16X2.5-IN)						
		1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)						



GRAPHIC #1

<END>

g00135131

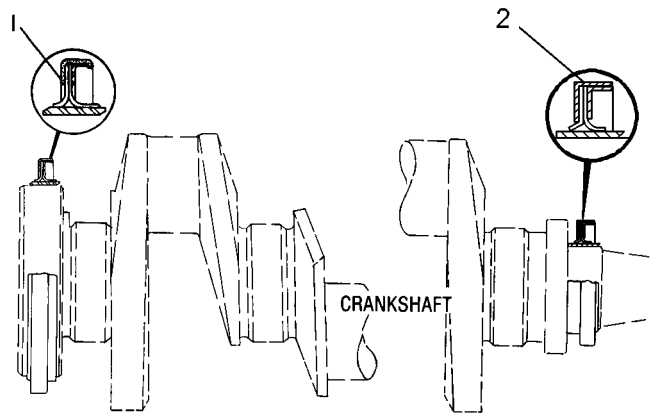
BASIC ENGINE

2P-6224 SEAL GP-CRANKSHAFT

SMCS-1160, 1161

i01940084

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	4W-0452	1	SEAL GP-CRANKSHAFT (COUNTER CLOCKWISE ROTATION)						
	2	1	9Y-9895	1	SEAL GP-CRANKSHAFT (CLOCKWISE ROTATION)						
C- CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00108388

BASIC ENGINE

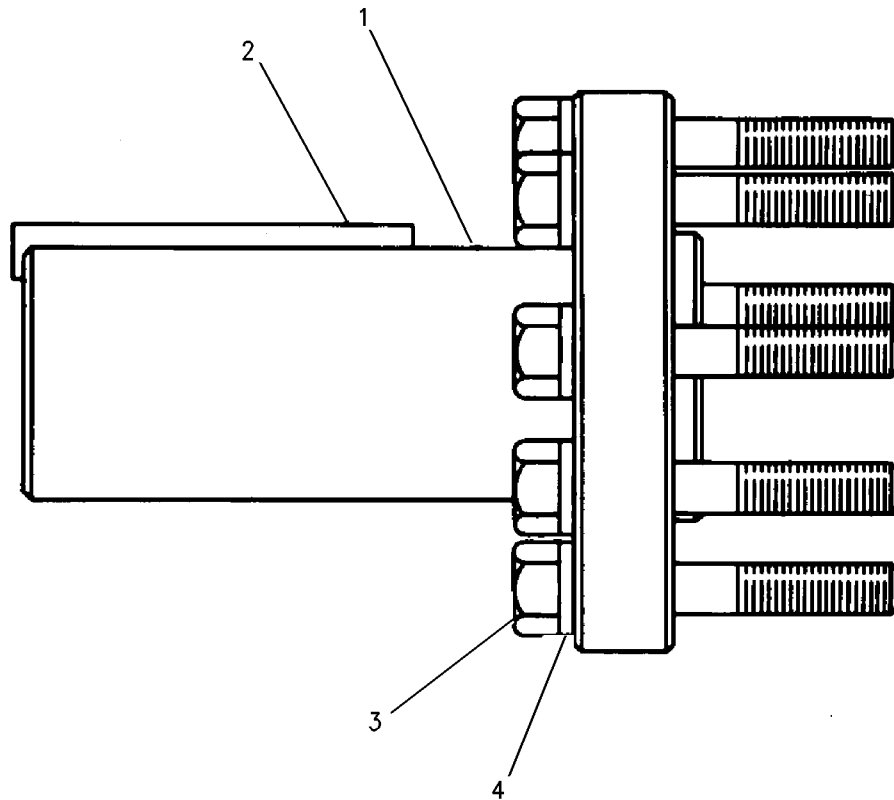
6L - 2692 SHAFT GP - STUB

REAR
AN ATTACHMENT

SMCS - 1237

i01809532

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L - 2704	1	SHAFT						
	2	1	1D - 2328	1	KEY - WOODRUFF						
	3	1	0S - 2353	9	BOLT (5/8 - 18X3.75 - IN)						
	4	1	4D - 3704	9	WASHER - HARD (17X30X5 - MM THK)						



GRAPHIC #1

<END>

g00917337

BASIC ENGINE

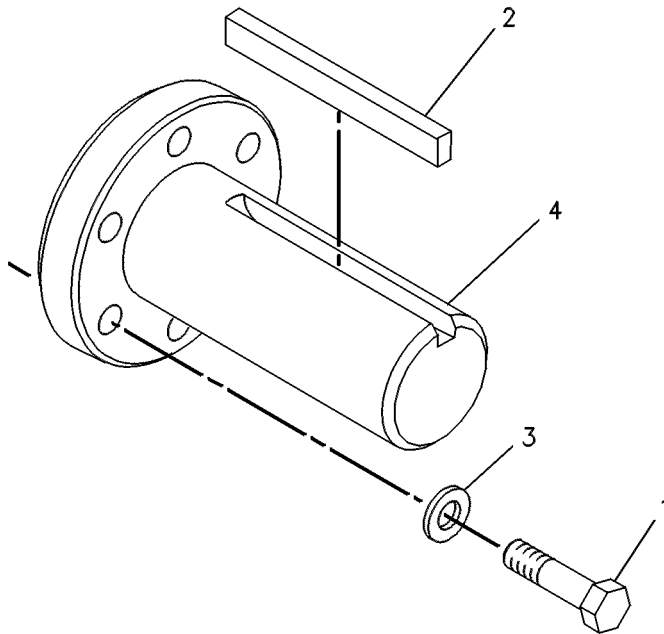
109-0858 SHAFT GP-STUB

PROVIDES 69.82 MM OD. SHAFT AND 101.6MM LONG KEY ,
15.88 MM SQUARE KEY FOR DRIVING A MAX OF 225HP AT 2200 RPM FROM FRONT OF ENGINE
CANNOT BE USED WITH FACTORY INSTALLED RADIATORS OR FAN DRIVES
AN ATTACHMENT

SMCS-1237

i01554084

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1571	6	BOLT (3/8-16X1.75-IN)						
	2	1	1D-2328	1	KEY-WOODRUFF						
	3	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	4	1	6L-2681	1	SHAFT-STUB						



GRAPHIC #1

<END>

g00241776

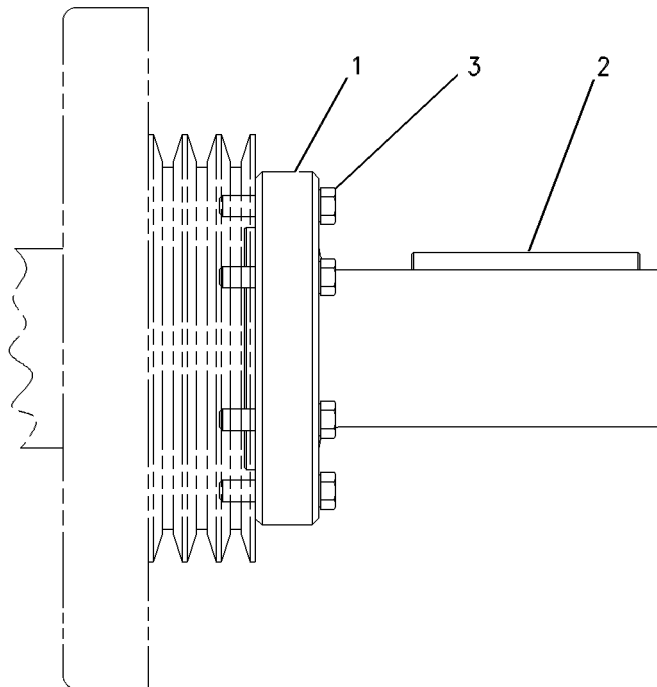
BASIC ENGINE

136 - 2150 SHAFT GP - STUB AN ATTACHMENT

SMCS - 1237

i00903749

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L - 2681	1	SHAFT - STUB						
	2	1	1D - 2328	1	KEY - WOODRUFF						
	3	1	OS - 1571	6	BOLT (3/8 - 16X1.75 - IN)						



GRAPHIC #1

<END>

g00283277

BASIC ENGINE

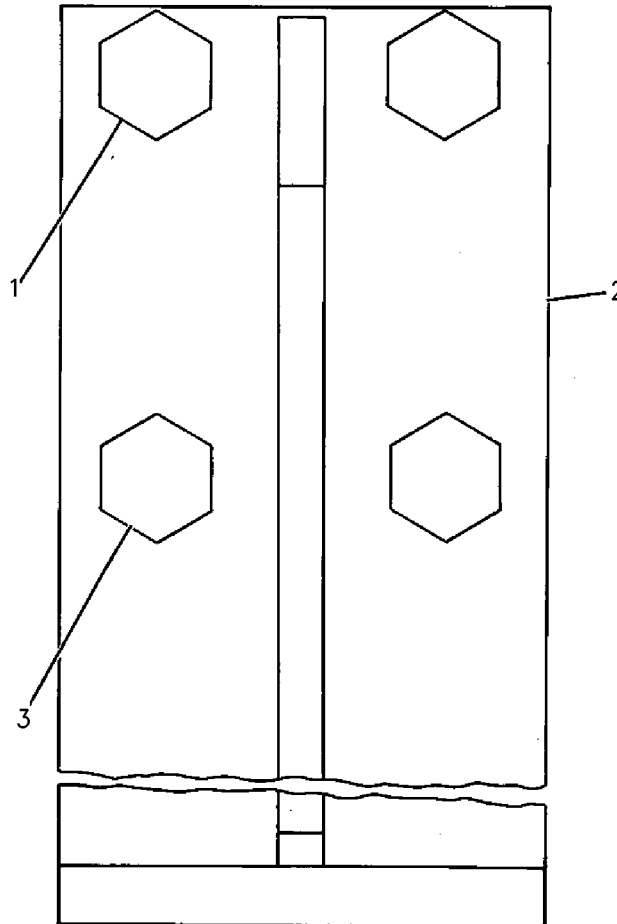
1W-5122 SUPPORT GP-ENGINE

REAR
AN ATTACHMENT

SMCS-1152, 1153, 1154

i01790994

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	OS-1592	4	BOLT (5/8-11X1.25 IN)						
	2	1	1W-5123	2	SUPPORT AS-REAR						
	3	1	OS-1566	4	BOLT (5/8-11X1.5 IN)						



GRAPHIC #1

<END>

g00917344

BASIC ENGINE

3N-2883 SUPPORT GP-ENGINE FOR USE WITH RADIATOR & MOBILE EQUIPMENT AR

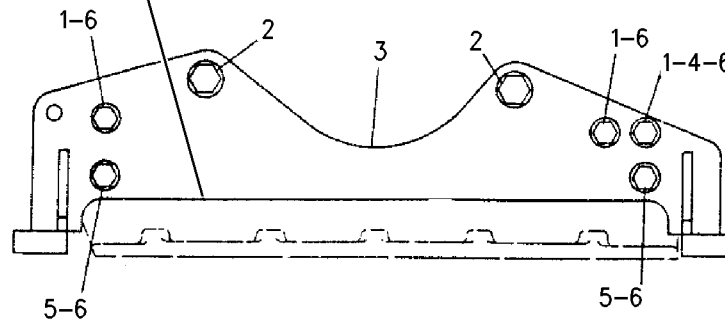
SMCS-1152, 1153, 1154

i01790996

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	2H-5330	3	BOLT (3/8-16X2.88-IN)						
	2	1	0L-1329	2	BOLT (1/2-13X3-IN)						
C		1	2M-0849	2	WASHER-HARD (13.5X25.5X5-MM THK)						
	3	1	3N-1877	1	SUPPORT AS						
	4	1	9S-8752	1	NUT-FULL (3/8-16-THD)						
C	5	1	0S-1594	2	BOLT (3/8-16X1-IN)						
C	6	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)						

C-CHANGE FROM PREVIOUS TYPE

TIMING GEAR COVER



GRAPHIC #1

<END>

g00917400

BASIC ENGINE

3N-6695 SUPPORT GP-ENGINE-FRONT

FOR USE WITH STANDARD INDUSTRIAL TYPE SUPPORT. CANNOT BE USED WITH RADIATOR
AN ATTACHMENT

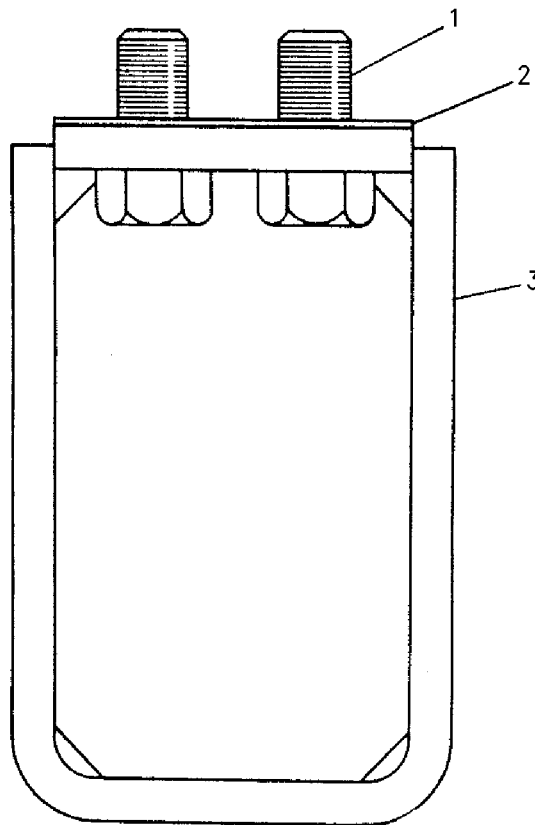
SMCS-1152, 1153, 1154

i01790995

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	4B-4043	4	BOLT (5/8-11X1.375 IN)	
					-OR-	
C		1	7S-9372	4	BOLT (5/8-11X1.125 IN)	
BC	2	1	4L-7893	2	SHIM (0.598IN THK)	
	3	1	1N-5526	2	SUPPORT AS	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00917371

BASIC ENGINE

5N-1678 SUPPORT GP-POWER TAKE-OFF

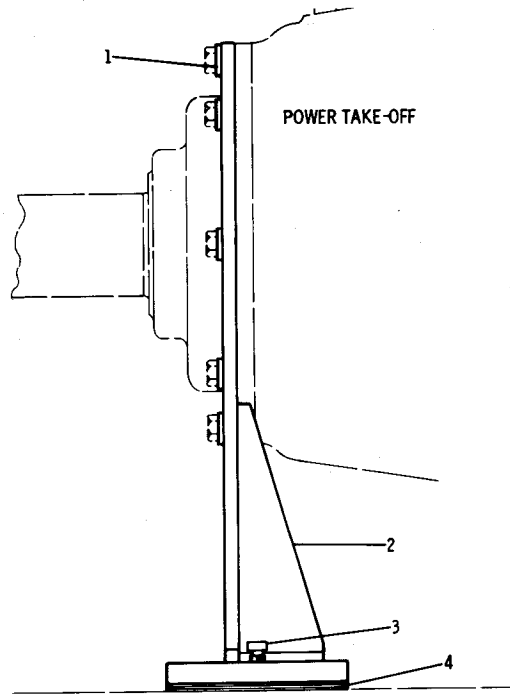
CLUTCH

FOR USE WITH REAR POWER TAKE-OFF. CANNOT BE USED WITH FUEL TANK BASES
AN ATTACHMENT

SMCS-1165

i02544081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4D-3704	8	WASHER - HARD (17X30X5-MM THK)						
	2	1	5N-1677	1	SUPPORT AS						
	3	1	4B-3586	2	SETSCREW (1/2-13X2-IN)						
B	4	1	5N-1693	6	SHIM (0.5-MM THK)						
B		1	5N-1694	12	SHIM (0.8-MM THK)						
B-USE AS REQUIRED											



GRAPHIC #1

<END>

g00136031

BASIC ENGINE

5N - 1933 SUPPORT GP - POWER TAKE - OFF

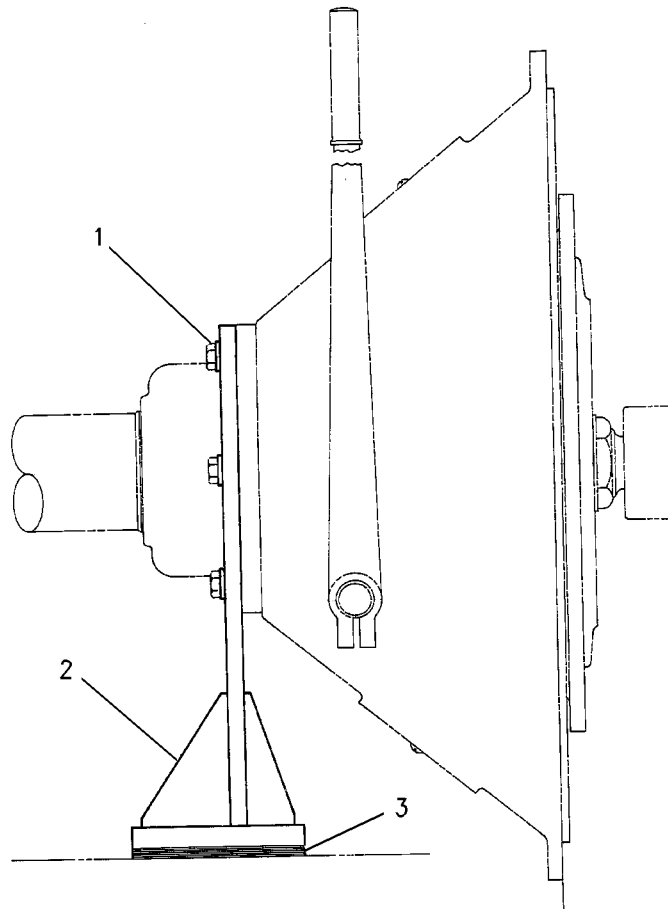
CLUTCH

FOR USE WITH 4P-3074—PAGE 39. CANNOT BE USED WITH FUEL TANK BASE
AN ATTACHMENT

SMCS-1165

i02544096

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-8245	6	WASHER-HARD (13.5X25.5X3-MM THK)						
	2	1	7L-5810	1	SUPPORT AS						
B	3	1	9F-2187	16	SHIM (0.0140-IN THK)						
B		1	9F-2188	30	SHIM (0.0320-IN THK)						
B-USE AS REQUIRED											



GRAPHIC #1

<END>

g00783948

BASIC ENGINE

8L-4526 V-BELT SET

1359MM (53.5 IN) LG. 254MM FAN MOUNTING HEIGHT, INCLUDES 3-BELTS, FAN DRIVE
AN ATTACHMENT

SMCS-1357

i03018352

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
			(NO SERVICED PARTS)						
			<END>						

9L-2520 V-BELT SET

19 INCH FAN CENTER. INCLUDES 3-BELTS, FAN DRIVE
AN ATTACHMENT

SMCS-1357

i03018353

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
			(NO SERVICED PARTS)						
			<END>						

BASIC ENGINE

7C-3795 VALVE MECHANISM GP

PART OF 7E-1556 VALVE MECHANISM GP

SMCS-1102, 1121, 1123, 1209

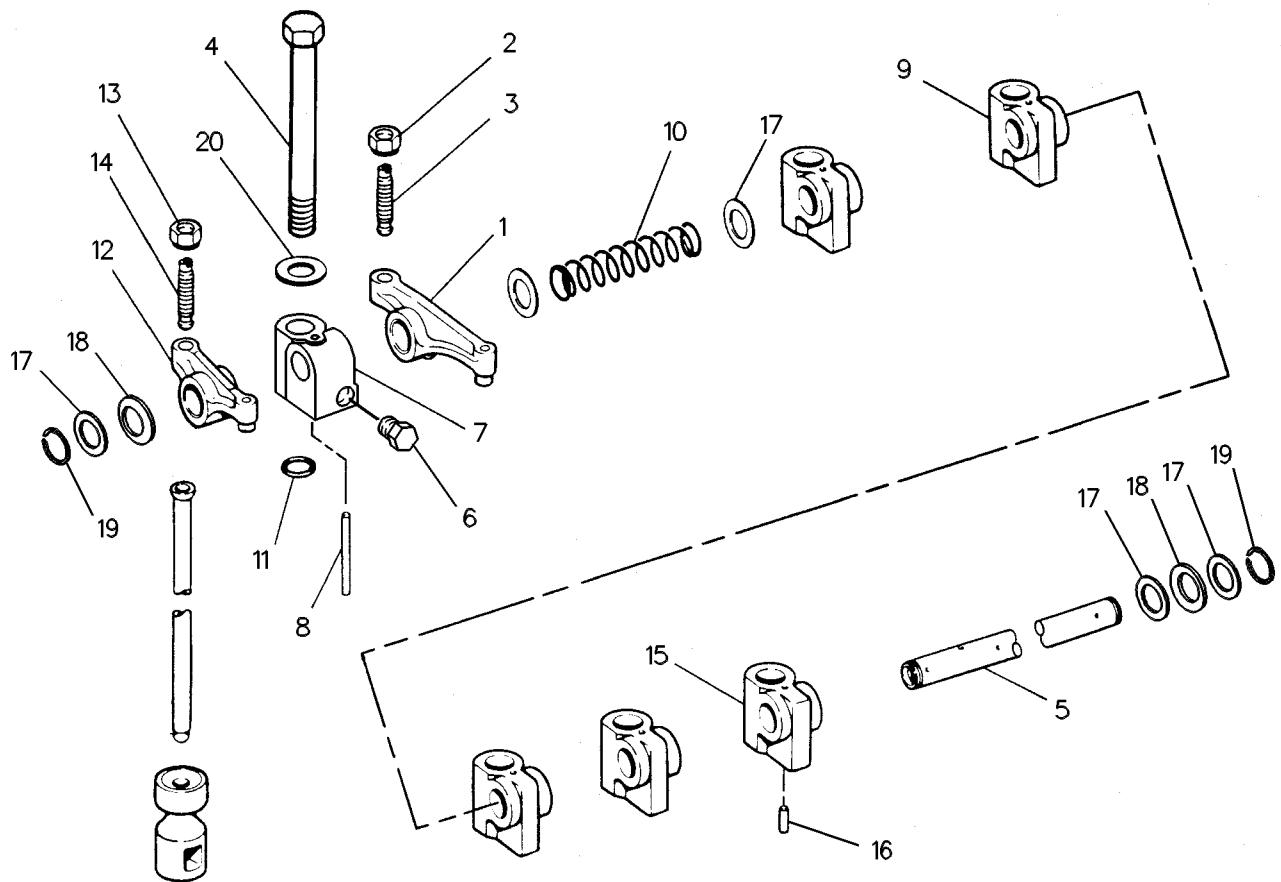
i01793933

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-1647	6	ROCKER ARM GP (EXHAUST)						
					(EACH INCLUDES)						
	2	1	3S-2713	1	NUT-FULL (3/8-24-THD)						
	3	1	5S-5917	1	SCREW						
	4	1	1B-7709	1	BOLT (5/8-11X8-IN)						
	5	1	8N-3251	1	SHAFT-ROCKER ARM						
	6	1	3K-8460	1	PLUG						
	7	1	7C-7011	1	BRACKET-SHAFT						
	8	1	5M-4606	1	DOWEL						
	9	1	5S-5879	4	BRACKET-SHAFT						
	10	1	4B-4910	5	SPRING						
	11	1	8M-4448	1	SEAL-O-RING						
	12	1	6I-1650	6	ROCKER ARM GP (INLET)						
					(EACH INCLUDES)						
	13	1	3S-2713	1	NUT-FULL (3/8-24-THD)						
	14	1	5S-5917	1	SCREW						
	15	1	8S-1498	1	BRACKET-SHAFT						
	16	1	1L-5072	1	DOWEL						
	17	1	9M-9886	13	WASHER (31.75X19.05X0.08-MM THK)						
	18	1	7N-0550	2	WASHER-SPRING						
	19	1	9H-1113	2	RING-RETAINING						
	20	1	2S-0736	1	WASHER-HARD (17X27X3.5-MM THK)						

BASIC ENGINE

7C-3795 VALVE MECHANISM GP (contd.)

i01793933



GRAPHIC #1

<END>

g00238313

BASIC ENGINE

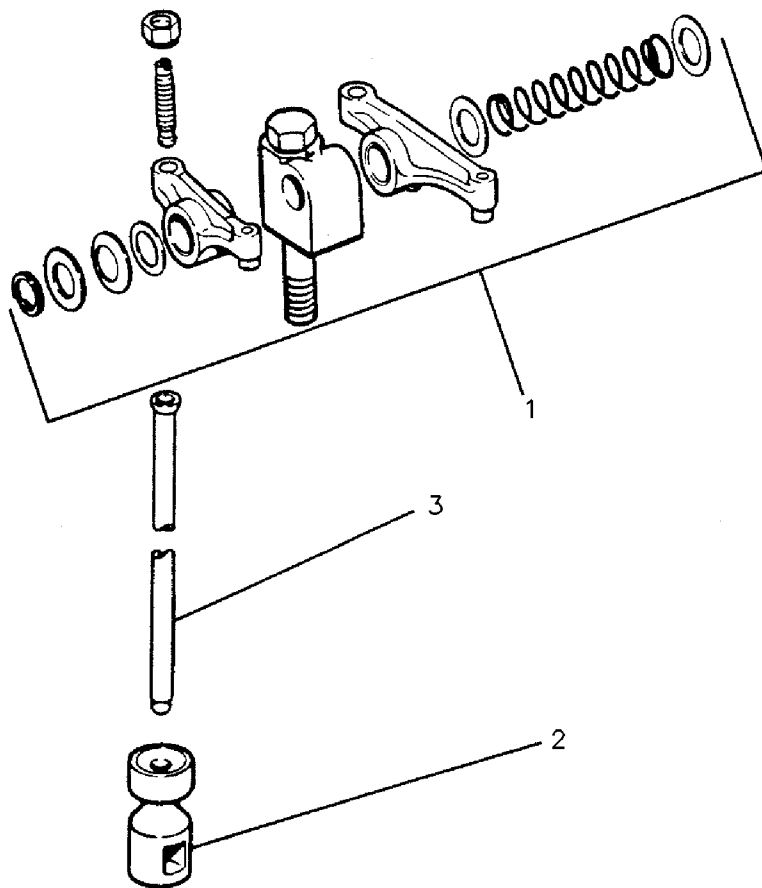
7E-1556 VALVE MECHANISM GP

SMCS-1102, 1121, 1123, 1209

i00896633

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	7C-3795	1	VALVE MECHANISM GP	54
	2	1	7S-3161	12	LIFTER-VALVE	
	3	1	5S-5918	12	PUSHROD-VALVE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00228506

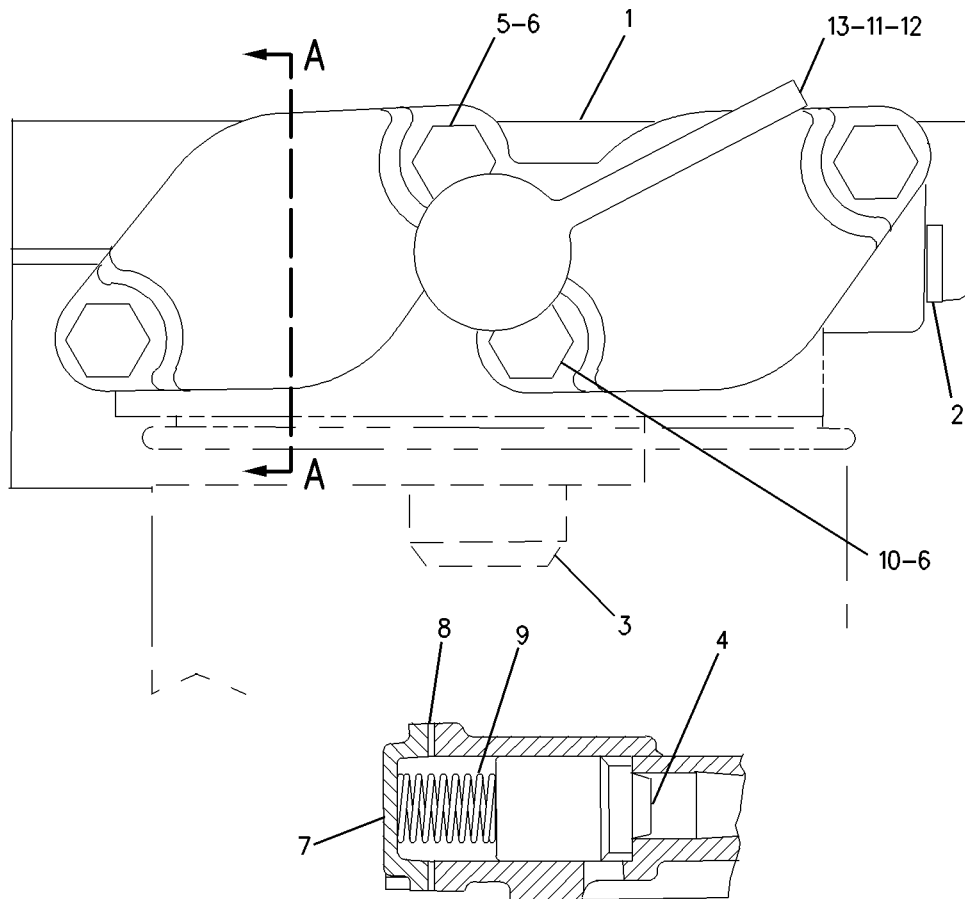
LUBRICATION SYSTEM

7W-0255 BASE GP-OIL FILTER PART OF 7W-0256 COOLER GP-FLTR BASE & ENG OIL

SMCS-1306

i01791000

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9Y-7117	1	BASE AS-OIL FILTER						
		1	3B-0645	3	PLUG-CUP						
	2	1	8T-6762	1	PLUG-PIPE						
	3	1	7C-3432	1	STUD-HOLLOW						
	4	1	1P-1367	2	PLUNGER						
	5	1	0S-1618	2	BOLT (5/16-18X1-IN)						
	6	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	7	1	9Y-6859	1	COVER						
	8	1	9Y-6860	1	GASKET						
	9	1	8M-3182	2	SPRING						
	10	1	1B-2790	2	BOLT (5/16-18X1.375-IN)						
	11	1	3J-7354	1	SEAL-O-RING						
	12	1	8C-3445	1	CAP-DUST						
	13	1	8C-3446	1	VALVE-FLUID SAMPLING						



SECTION A-A

GRAPHIC #1

<END>

g00917457

LUBRICATION SYSTEM

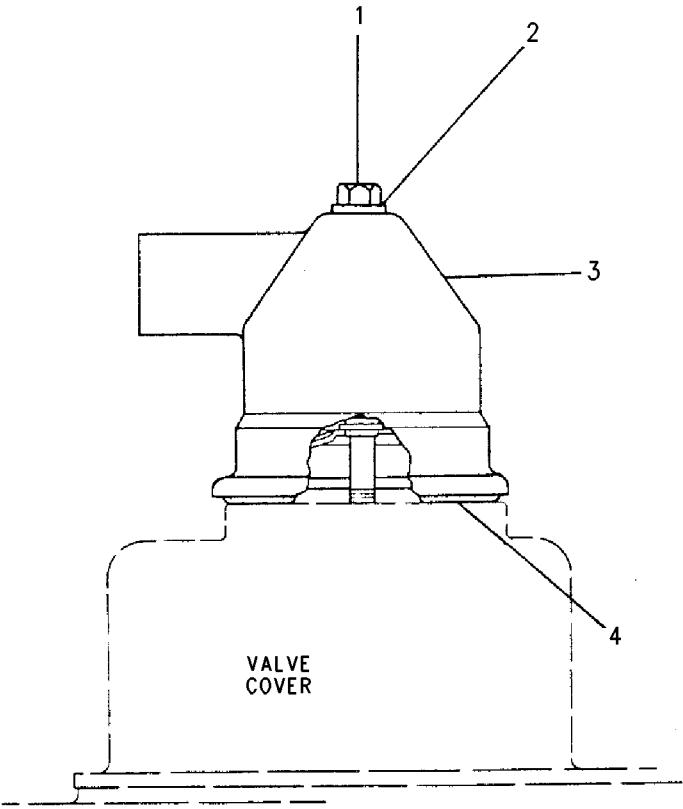
1P-4244 BREATHER GP

SMCS-1317

i02824940

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3H-3243	1	BOLT (5/16-18X4.75-IN)	
	2	1	5N-4185	1	WASHER-SPECIAL	
C	3	1	2W-9162	1	BREATHER AS (CRANKCASE)	
C	4	1	8H-2046	1	SEAL-O-RING	

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00917473

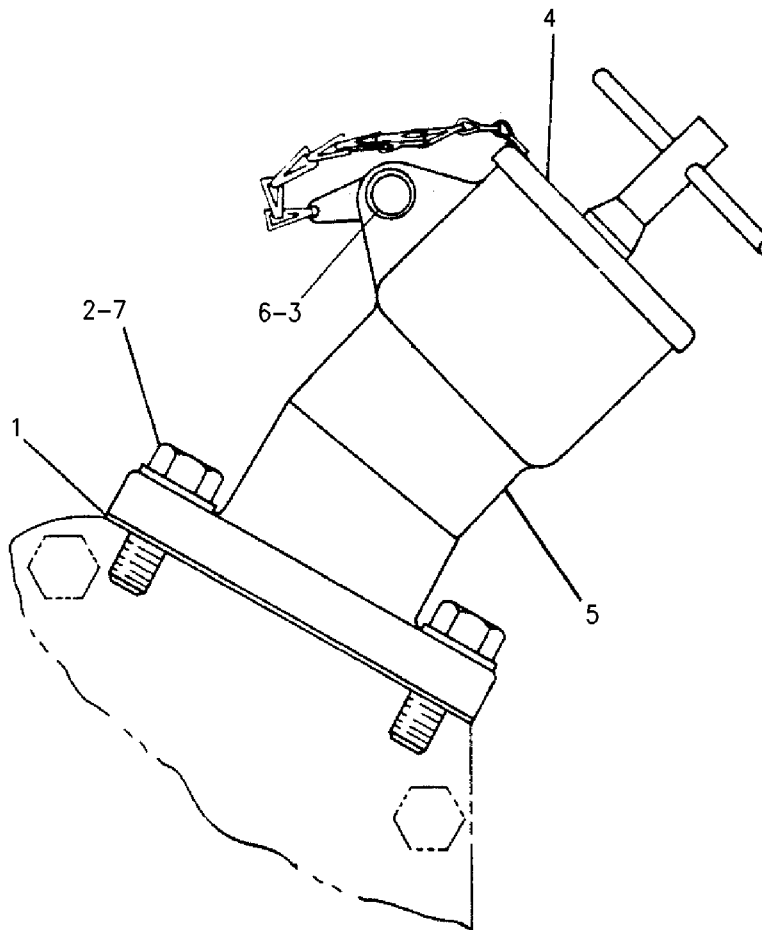
LUBRICATION SYSTEM

2P-6855 FILLER GP-ENGINE OIL

SMCS-1316

i01791003

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2P-2720	1	GASKET						
C	2	1	1A-2029	2	BOLT (3/8-16X1.125-IN)						
	3	1	9M-5732	1	RIVET-POP						
C	4	1	6N-2985	1	CAP AS-FILLER (ENGINE OIL)						
	5	1	2P-2719	1	PIPE-OIL FILLER						
	6	1	2A-3211	1	WASHER (5.5X12.3X0.8-MM THK)						
C	7	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00917486

LUBRICATION SYSTEM

1N-4874 FUMES DISPOSAL GP

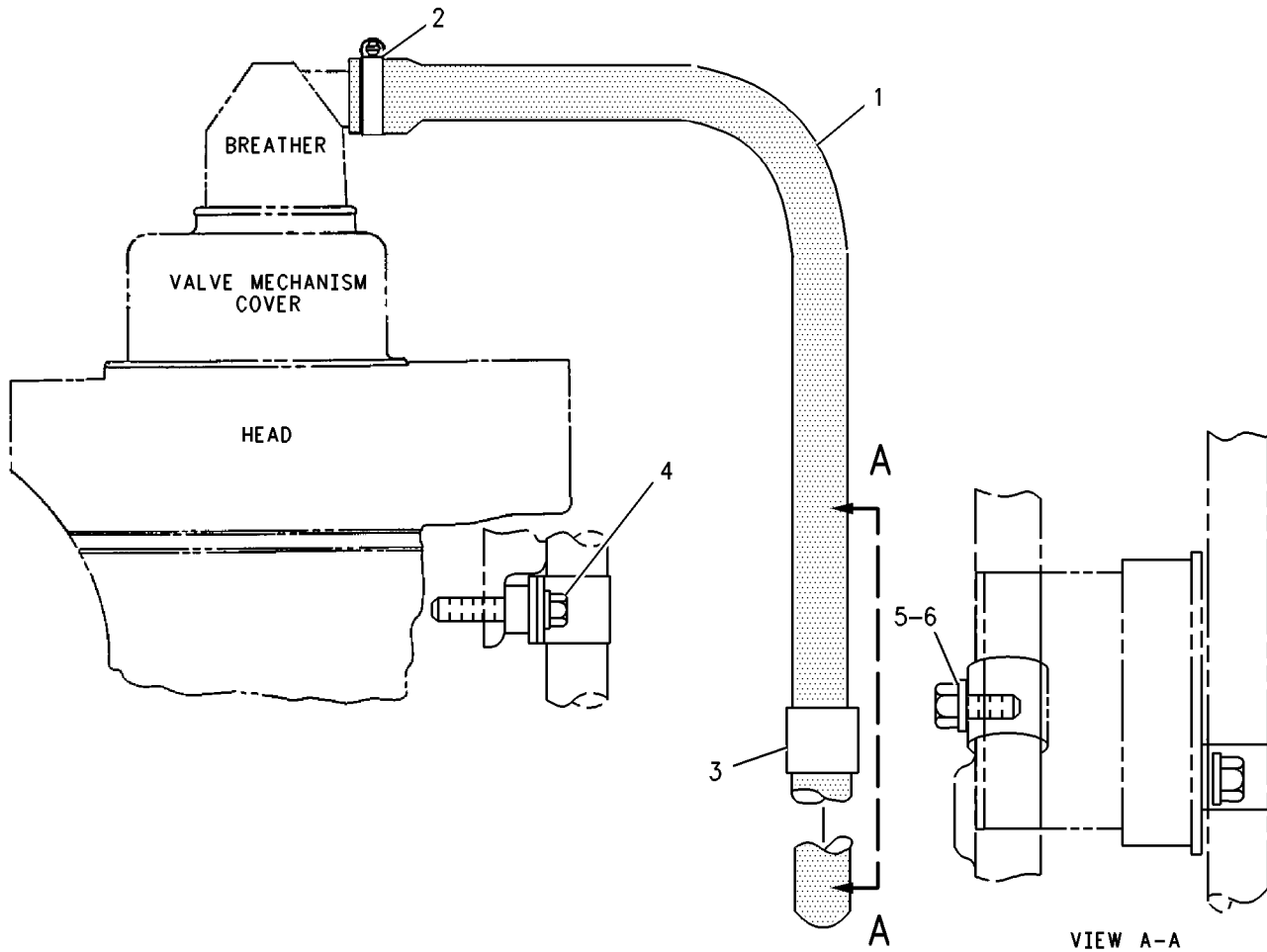
FOR USE WITH EXPANSION TANK
AN ATTACHMENT

SMCS-1317

i02797606

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	4W-2181	1	HOSE-DISPOSAL (FUMES)	
	2	1	9M-2904	1	CLAMP-HOSE	
	3	1	4D-7388	1	CLIP	
B	4	1	0S-1590	1	BOLT (3/8-16X2-IN)	
B		1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
B		1	6B-2882	1	SPACER (0.406X0.75X0.312-IN THK)	
B	5	1	0S-1594	1	BOLT (3/8-16X1-IN)	
B	6	1	9X-6458	1	WASHER-HARD (10.2X22.5X3-MM THK)	

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00936343

LUBRICATION SYSTEM

212 - 6292 FUMES DISPOSAL GP AN ATTACHMENT

SMCS-1317

i03007642

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1594	1	BOLT (3/8-16X1-IN)						
	9M-2904	1	CLAMP-HOSE						
	4D-7388	1	CLIP						
	4W-2181	1	HOSE-DISPOSAL (FUMES)						
	9X-6458	1	WASHER-HARD (10.2X22.5X3-MM THK)						
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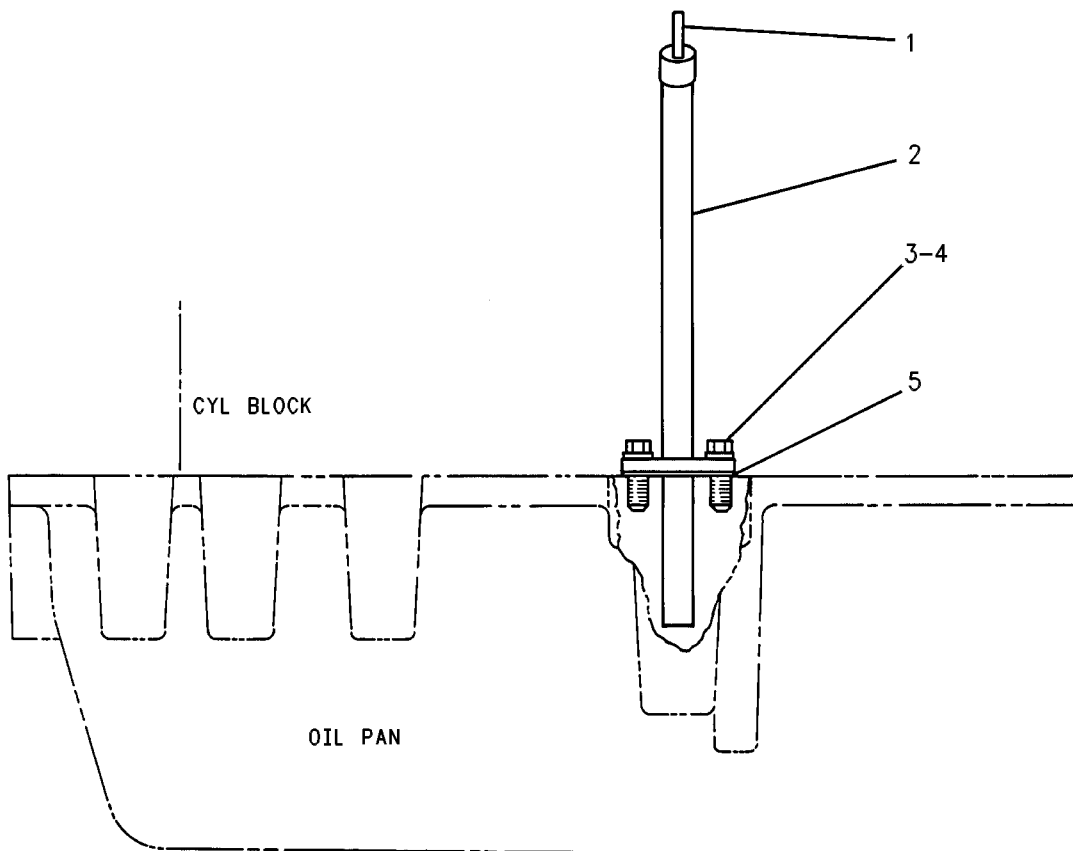
LUBRICATION SYSTEM

4W-8538 GAUGE GP-OIL LEVEL (DIPSTICK)

SMCS-1326

i03018345

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8626	1	GAUGE AS-OIL LEVEL (DIPSTICK)						
	2	1	4W-8383	1	GUIDE AS-OIL LEVEL GAUGE						
	3	1	2B-2695	2	BOLT (5/16-18X0.875-IN)						
	4	1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)						
	5	1	2W-7621	1	GASKET						



GRAPHIC #1

<END>

g00474348

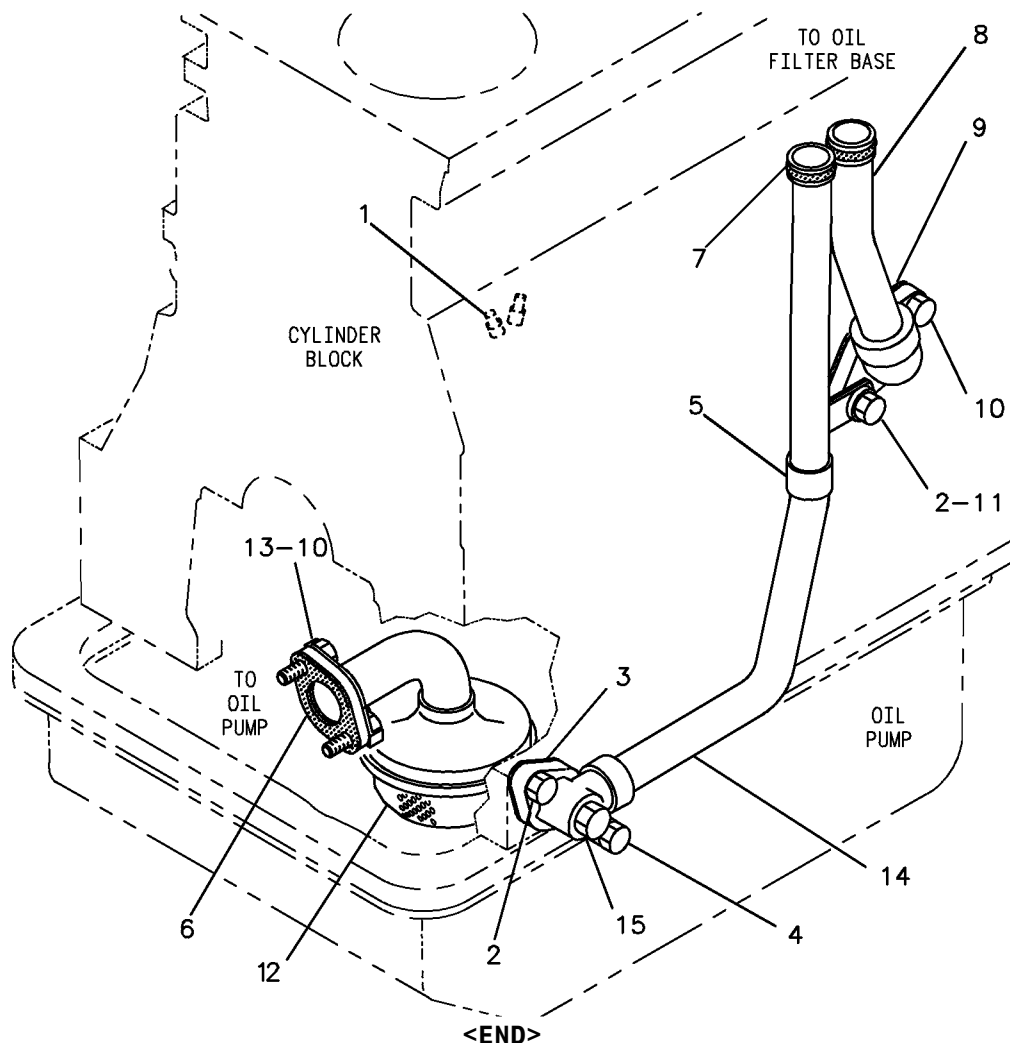
LUBRICATION SYSTEM

7E-0571 LINES GP-ENGINE OIL

SMCS-1307

i01790304

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2S-1541	6	ORIFICE-JET						
	2	1	1A-2029	2	BOLT (3/8-16X1.125-IN)						
	3	1	2M-5407	1	GASKET						
	4	1	0L-2070	1	BOLT (3/8-16X2.25-IN)						
	5	1	4W-9676	1	CLIP						
	6	1	8M-0904	1	GASKET						
	7	1	114-2687	2	SEAL-O-RING						
	8	1	8N-7315	1	TUBE AS-OUTLET						
	9	1	7F-7590	1	GASKET						
	10	1	0S-1594	3	BOLT (3/8-16X1-IN)						
	11	1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	12	1	7C-2880	1	BELL AS-SUCTION						
	13	1	8S-8874	1	LOCKNUT						
	14	1	4W-1815	1	TUBE AS						
	15	1	5M-6213	1	PLUG-PIPE						



GRAPHIC #1

<END>

g00201724

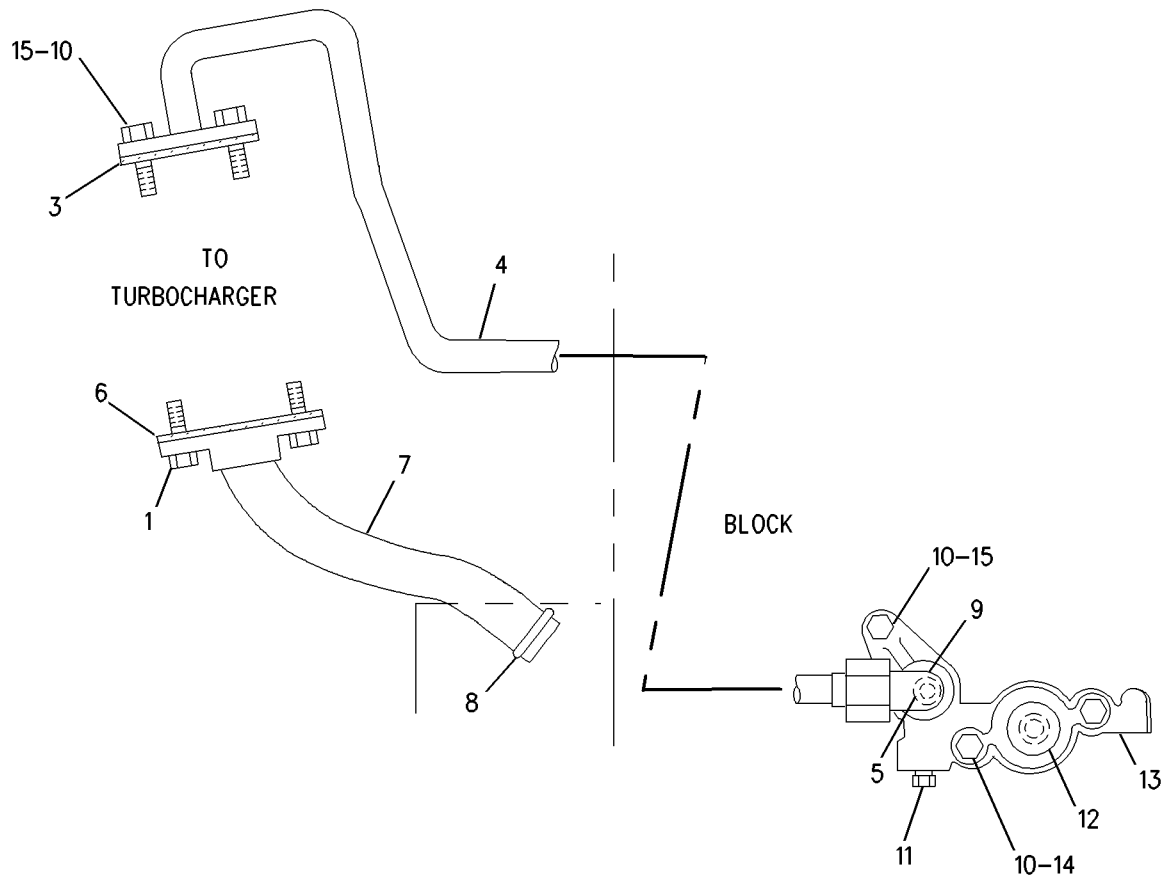
LUBRICATION SYSTEM

2W-0806 LINES GP - TURBOCHARGER OIL AN ATTACHMENT

SMCS-1052, 1307

i01478745

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1594	2	BOLT (3/8-16X1-IN)						
	3	1	7N-8875	1	GASKET						
	4	1	1W-9261	1	TUBE AS-TURBOCHARGER OIL						
	5	1	8M-5253	1	SEAL-O-RING						
	6	1	7N-7559	1	GASKET						
	7	1	1W-9264	1	TUBE AS-TURBOCHARGER OIL						
	8	1	9M-4849	1	SEAL-O-RING						
	9	1	032-1269	1	ELBOW						
	10	1	5M-2894	5	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	11	1	8T-6764	1	PLUG-PIPE						
	12	1	8M-5248	1	SEAL-O-RING						
	13	1	4N-4057	1	ADAPTER						
	14	1	0S-1619	2	BOLT (3/8-16X3-IN)						
	15	1	1A-2029	3	BOLT (3/8-16X1.125-IN)						



GRAPHIC #1

<END>

g00770067

LUBRICATION SYSTEM

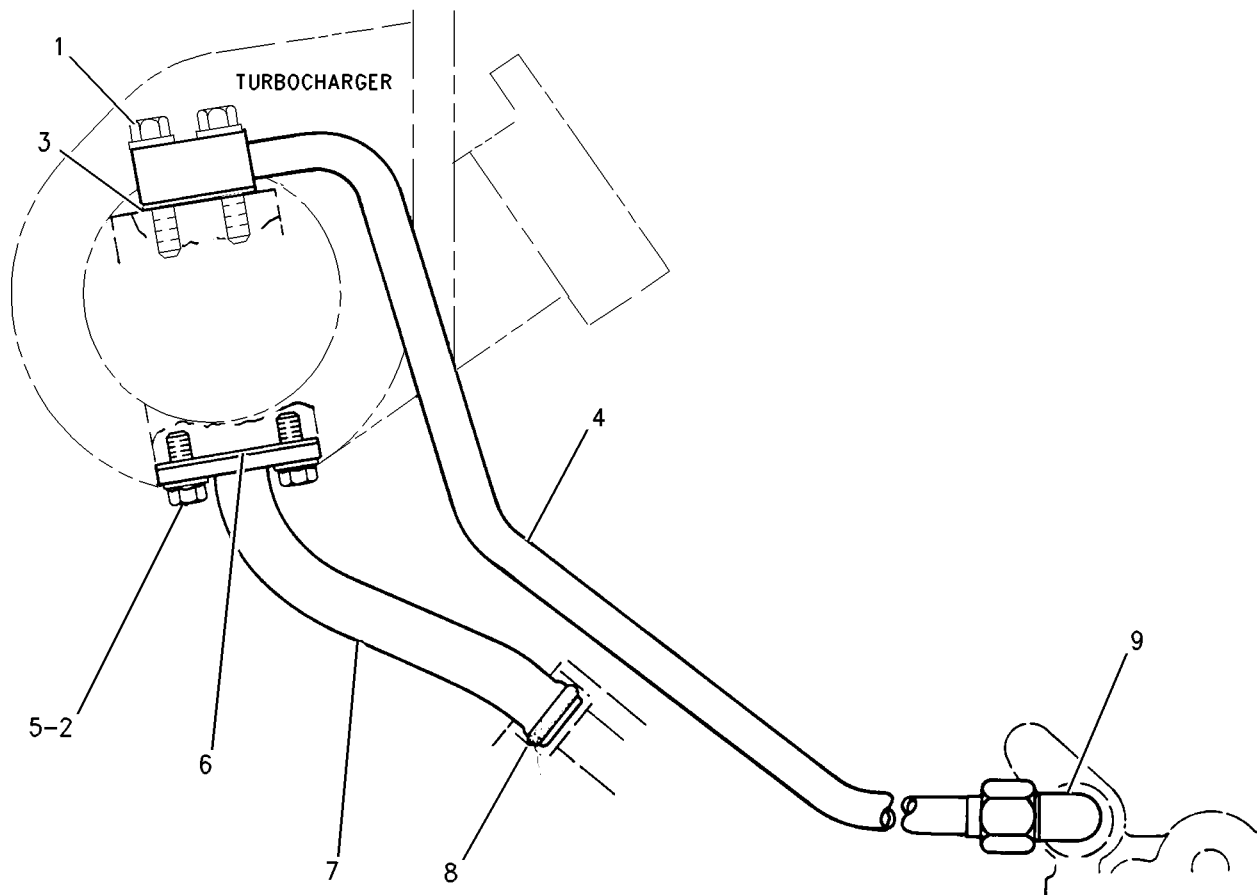
8N-4572 LINES GP-TURBOCHARGER OIL

AN ATTACHMENT

SMCS-1052, 1307

i01878729

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1571	2	BOLT (3/8-16X1.75-IN)						
	2	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	3	1	1S-6595	1	GASKET-OIL SUPPLY						
	4	1	6N-7752	1	TUBE AS-OIL						
	5	1	0L-1351	2	BOLT (3/8-16X0.875-IN)						
	6	1	1S-4810	1	GASKET-OIL DRAIN						
	7	1	8N-2393	1	TUBE AS-OIL DRAIN						
	8	1	9M-4849	1	SEAL-O-RING						
	9	1	032-1269	1	ELBOW						



GRAPHIC #1

<END>

g00956117

LUBRICATION SYSTEM

6I-1343 PUMP GP-ENGINE OIL*R

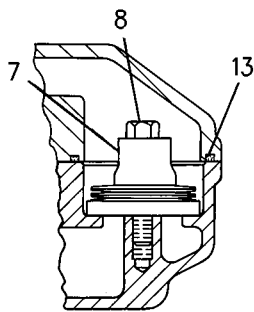
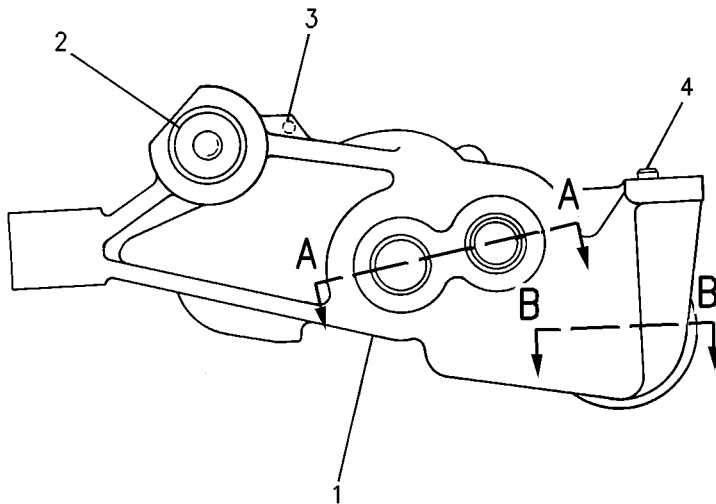
ONE SECTION GEAR

PART OF 7W-4457 PUMP GP-ENGINE OIL

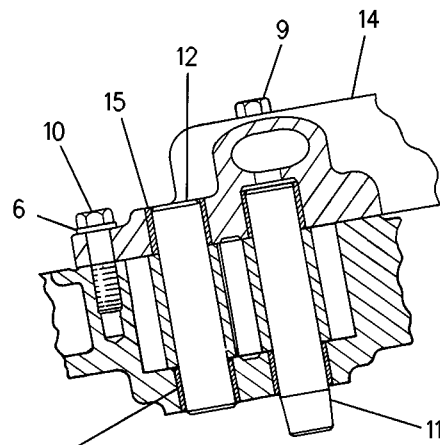
SMCS-1304, 1315

i01926169

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-2322	1	BODY AS-OIL PUMP						
	2	1	2P-1170	1	SHAFT AS-GEAR						
		1	4B-9782	1	BALL						
	3	1	4B-9880	1	BALL						
	4	1	1F-1006	1	DOWEL						
	5	1	8S-6511	2	BEARING-SLEEVE						
	6	1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	7	1	4P-3546	1	VALVE AS-RELIEF (ENGINE OIL PRESSURE)						
	8	1	1B-9575	1	BOLT (5/16-18X1.56-IN)						
	9	1	0T-0573	2	BOLT (3/8-16X2.75-IN)						
	10	1	0S-1591	1	BOLT (3/8-16X1.5-IN)						
	11	1	6I-1342	1	SHAFT AS-OIL PUMP						
	12	1	2P-0696	1	SHAFT AS-OIL PUMP						
	13	1	7J-2036	1	SEAL-O-RING						
	14	1	7W-4455	1	COVER AS						
	15	1	8S-6511	2	BEARING-SLEEVE						



SECTION B-B



SECTION A-A

GRAPHIC #1

<END>

g00917519

LUBRICATION SYSTEM

7W-4457 PUMP GP-ENGINE OIL

ONE SECTION GEAR

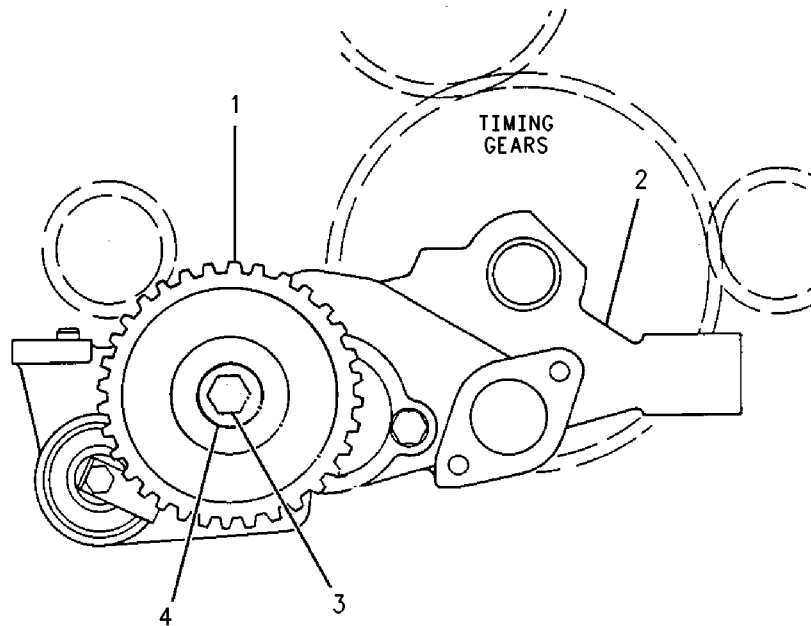
PART OF 9L-5651 PUMP GP-ENGINE OIL

SMCS-1304, 1315

i01791010

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7W-0507	1	GEAR-OIL PUMP DRIVE (40 TEETH)	
YR	2	1	6I-1343	1	PUMP GP-ENGINE OIL	66
	3	1	0S-1590	1	BOLT (3/8-16X2 IN)	
	4	1	1P-7346	1	WASHER-HARD (10.2X35X6MM THK)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00917525

LUBRICATION SYSTEM

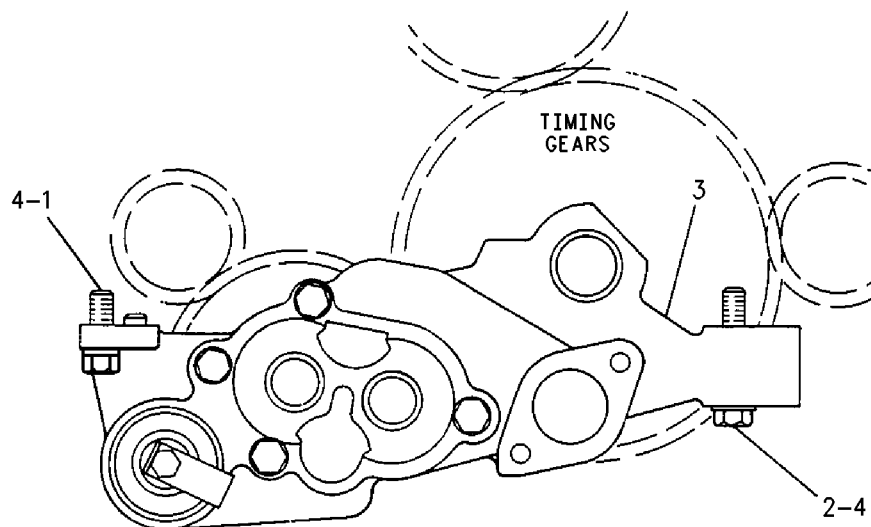
9L - 5651 PUMP GP-ENGINE OIL

SMCS-1304, 1315

i01791014

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
C	1	1	3B-1915	2	BOLT (3/8-16X1-3/8-IN)	
	2	1	0S-1590	2	BOLT (3/8-16X2-IN)	
CY	3	1	7W-4457	1	PUMP GP-ENGINE OIL	67
C	4	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00917547

COOLING SYSTEM

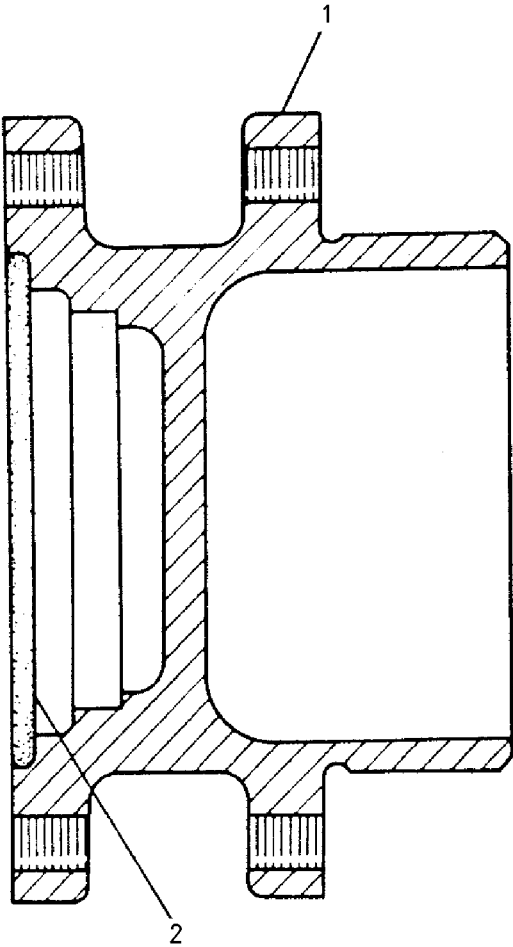
3N-5658 ADAPTER GP-FAN

FOR USE WITH SAE NO 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1356, 1359

i01791015

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	4N-4680	1	ADAPTER	
	2	1	9F-4446	1	SEAL-O-RING	



GRAPHIC #1

<END>

g00917552

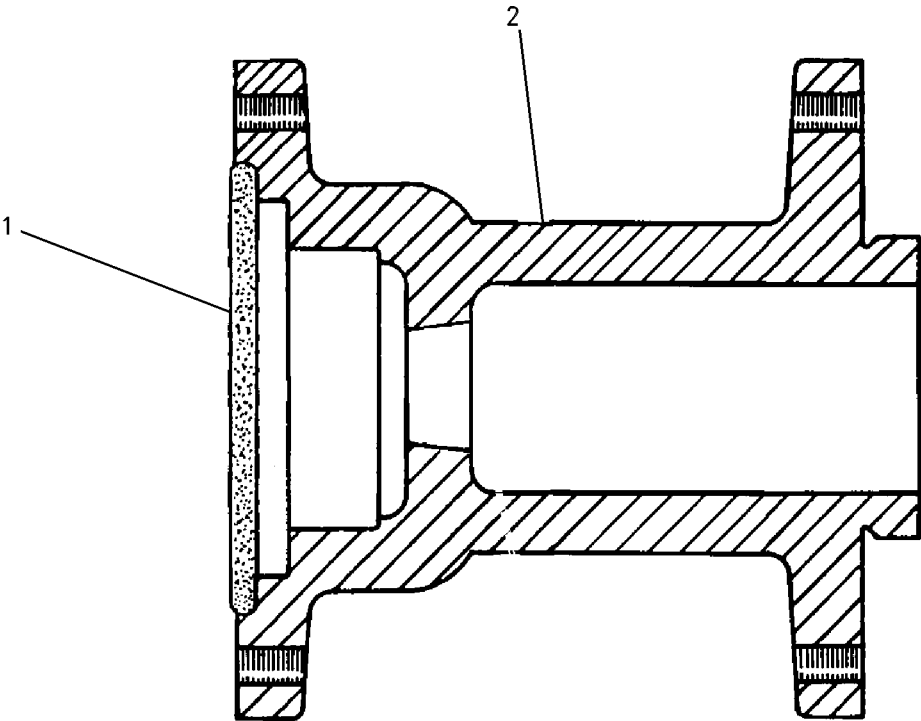
COOLING SYSTEM

5N-2087 ADAPTER GP-FAN
FOR USE WITH 33 INCH FAN ONLY
AN ATTACHMENT

SMCS-1356, 1359

i01790250

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9F-4446	1	SEAL-O-RING						
	2	1	4N-2371	1	ADAPTER-FAN						



GRAPHIC #1

<END>

g00644131

COOLING SYSTEM

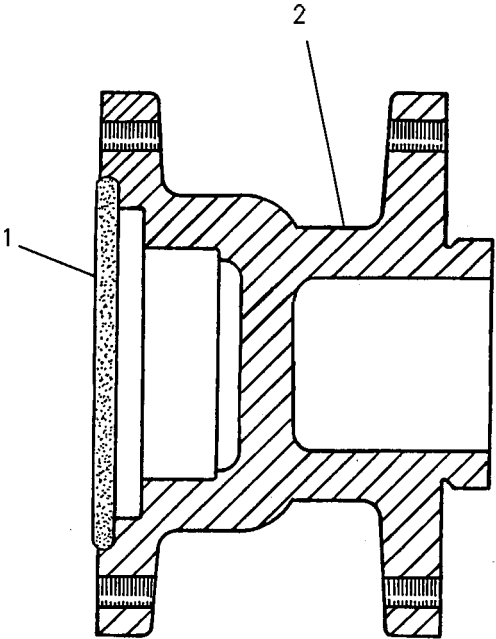
5N-7147 ADAPTER GP-FAN

PROVIDES ADAPTER WITH GREASE PLUG BETWEEN HUB AND FAN,
FAN PILOT 2.497 DIAMETER WITH 4.50 DIAMETER BOLT CIRCLE,
WITH 6-3/8-16 HOLES. LENGTH: 3.50 INCH
AN ATTACHMENT

SMCS-1356, 1359

i01790251

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9F-4446	1	SEAL-O-RING						
	2	1	4N-2370	1	ADAPTER-FAN						



GRAPHIC #1

<END>

g00251221

COOLING SYSTEM

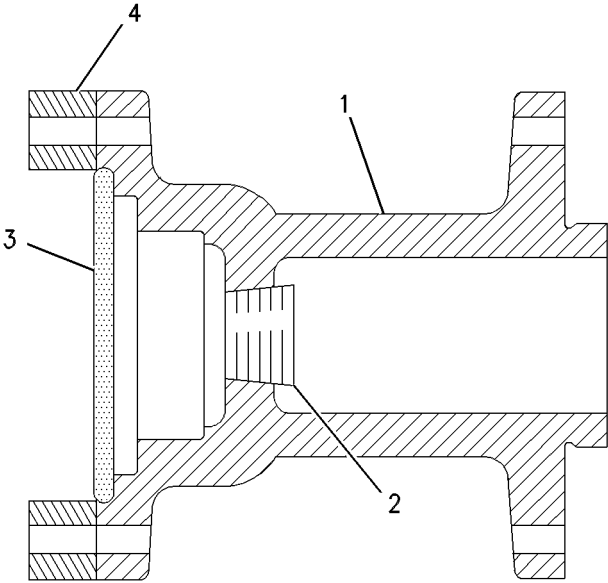
139 - 6099 ADAPTER GP - FAN

FOR USE WITH 36-INCH FAN
AN ATTACHMENT

SMCS-1356, 1359

i01790069

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7C-5082	1	ADAPTER - FAN	
	2	1	7X-7731	1	PLUG-PIPE	
	3	1	9F-4446	1	SEAL-O-RING	
	4	1	9S-9238	4	SPACER (13.49X23.88X16.13-MM THK)	



GRAPHIC #1

<END>

g00290089

COOLING SYSTEM

104-4501 CONVERSION GP FOR USE WITH ALTRONIC IGNITION SYSTEM AN ATTACHMENT

SMCS-1000

i00906733

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	104-4514	1	CONTROL AS						
	104-4515	1	HARNESS AS-WIRING (IGNITION)						
	104-4510	1	MAGNETO GP						
<END>									

COOLING SYSTEM

9N-3659 COOLANT CONDITIONER GP

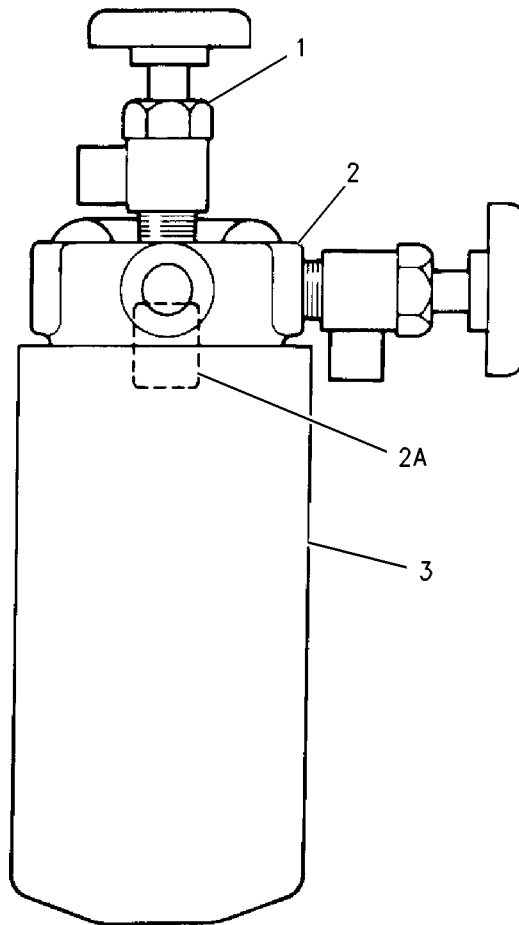
REMOTE MOUNTED

FOR USE WITH ENGINES WITH A 38-83 L (10-22 GAL) COOLING SYSTEM
AN ATTACHMENT

SMCS-1352

i01742121

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9N-3666	2	VALVE-MANUAL (COOLANT CONDITIONER)						
	2	1	9N-3668	1	BASE AS						
	2A	1	9N-3645	1	STUD-TAPERLOCK						
J	3	1	9N-6123	1	ELEMENT AS-COOLANT CONDITIONER						
					-OR-						
A		1	9N-3718	1	ELEMENT AS-COOLANT CONDITIONER						
A-NOT PART OF THIS GROUP											
J-REFER TO CHART FOR COOLANT CONDITIONER INFORMATION											



GRAPHIC #1

<END>

g00782238

COOLING SYSTEM

7W-0256 COOLER GP-FLTR BASE & ENG OIL

PART OF 7W-0257 COOLER GP-FLTR BASE & ENG OIL

SMCS-1306, 1378

i01791017

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2P-8870	1	PIPE-PUMP OUTLET						
	2	1	1A-2029	8	BOLT (3/8-16X1.125-IN)						
	3	1	8S-5409	2	GASKET						
R	4	1	7N-0110	1	CORE AS-ENGINE OIL COOLER						
	5	1	8T-6761	1	PLUG-PIPE						
	6	1	6N-0123	1	BONNET-OIL COOLER						
	7	1	8T-6767	1	PLUG-PIPE						
	8	1	7X-7731	1	PLUG-PIPE						
	9	1	2P-7734	1	ELBOW-OUTLET						
	10	1	5P-8118	2	SEAL-O-RING						
Y	11	1	7W-0255	1	BASE GP-OIL FILTER						57
	12	1	1D-4540	1	BOLT (5/16-18X2.75-IN)						
	13	1	9M-1974	6	WASHER-HARD (8.8X16X2-MM THK)						
	14	1	1H-5514	3	BOLT (5/16-18X1.625-IN)						
	15	1	2P-7732	1	ELBOW						
	16	1	3P-1155	2	SEAL-O-RING						
	17	1	1T-0765	2	BOLT (3/8-16X1-IN)						
	18	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	19	1	0S-1591	2	BOLT (3/8-16X1.5-IN)						
	20	1	0S-1617	2	BOLT (5/16-18X0.75-IN)						
	21	1	4N-3840	1	COVER						
	22	1	4N-3841	1	GASKET						

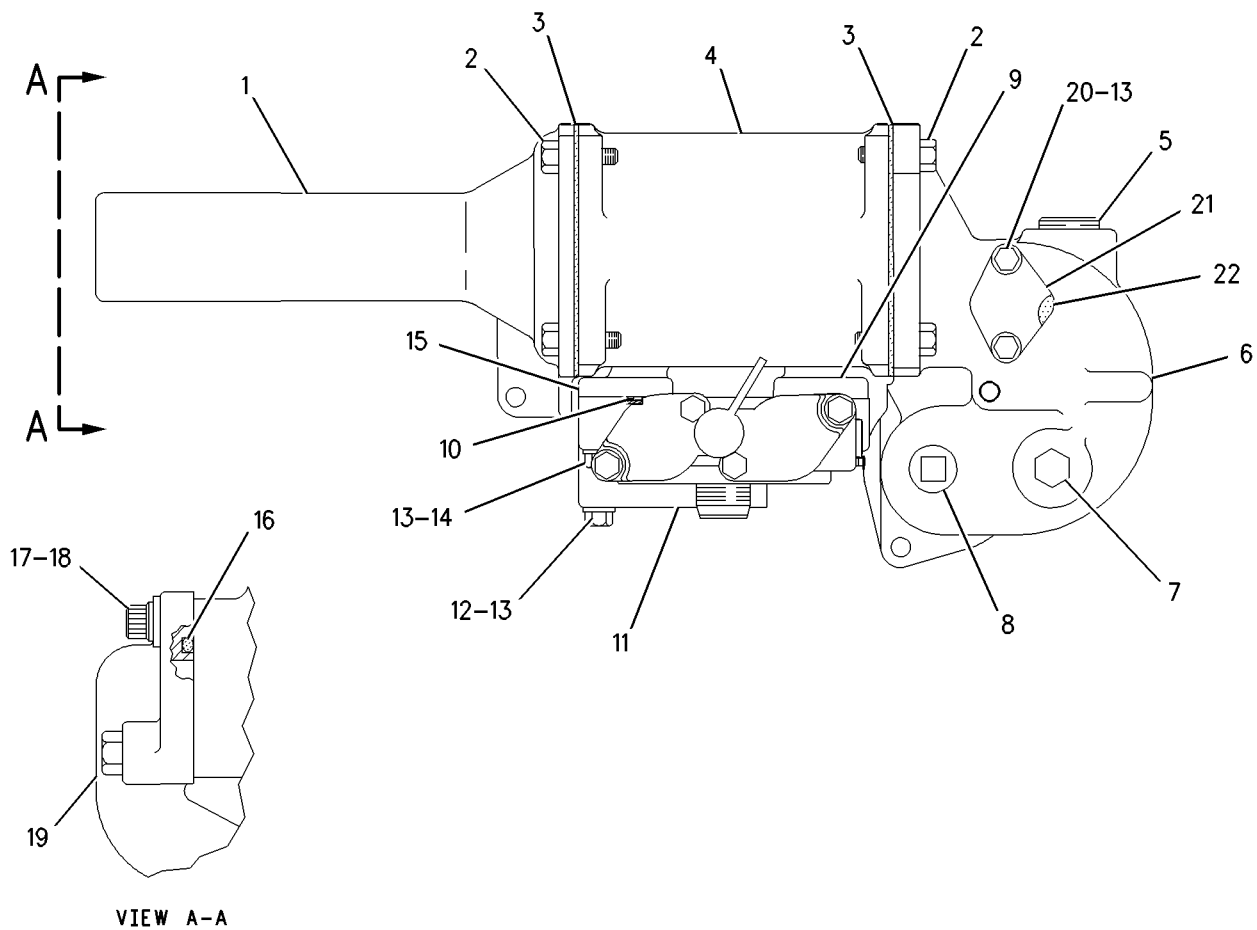
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

COOLING SYSTEM

7W-0256 COOLER GP-FLTR BASE & ENG OIL (contd.)

i01791017



GRAPHIC #1

<END>

g00917561

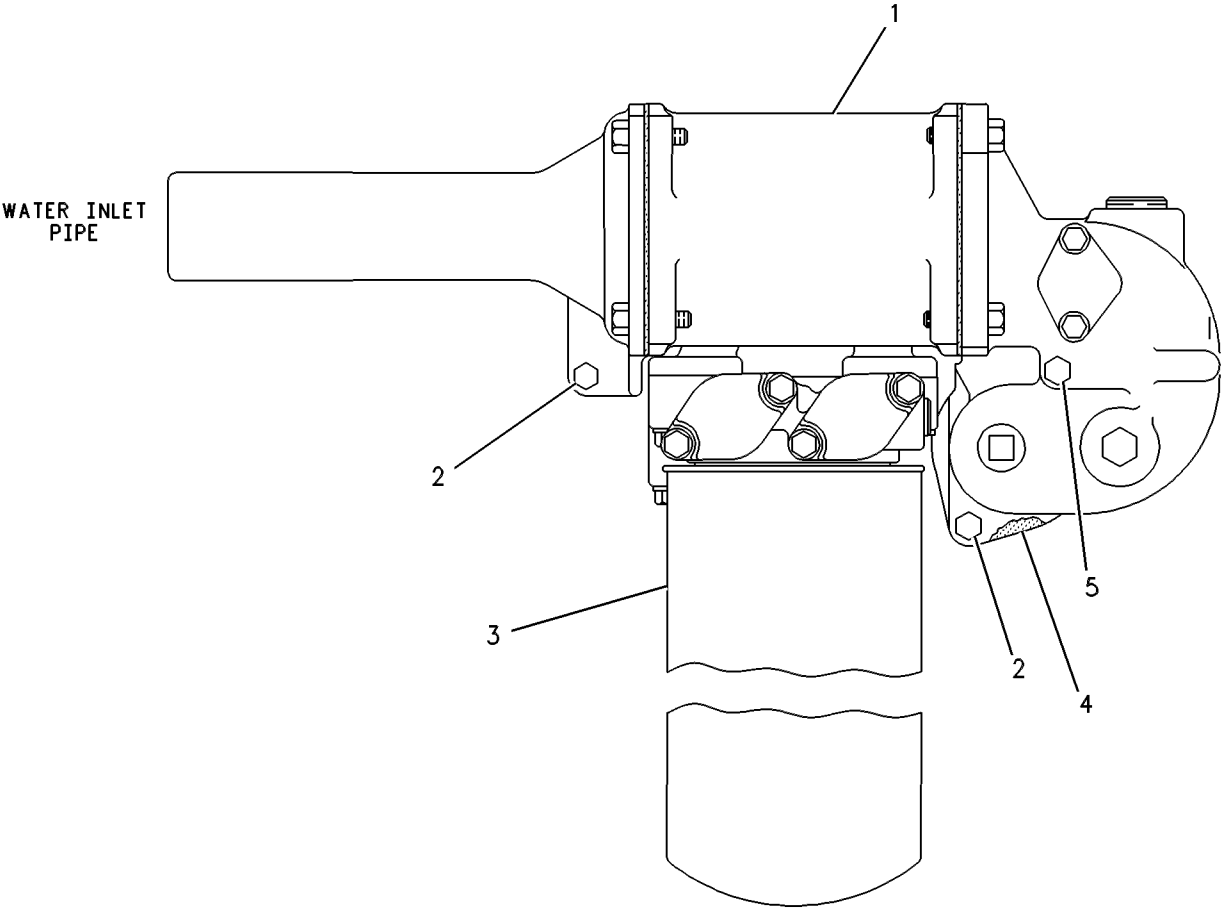
COOLING SYSTEM

7W-0257 COOLER GP-FLTR BASE & ENG OIL

SMCS-1306, 1378

i00675066

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	7W-0256	1	COOLER GP-FLTR BASE & ENG OIL	75
	2	1	0S-1591	2	BOLT (3/8-16X1.5-IN)	
	3	1	1R-0716	1	FILTER AS-ENGINE OIL (STANDARD EFFICIENCY)	
	4	1	2W-4561	1	GASKET	
	5	1	5F-4899	1	BOLT (3/8-16X5.5-IN)	
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00248678

COOLING SYSTEM

3N-4924 COVER GP-EXPANSION TANK

PART OF 107-7286 TANK GP-EXPANSION
FOR USE WITH EXPANSION TANK WITHOUT HEAT EXCHANGER
AN ATTACHMENT

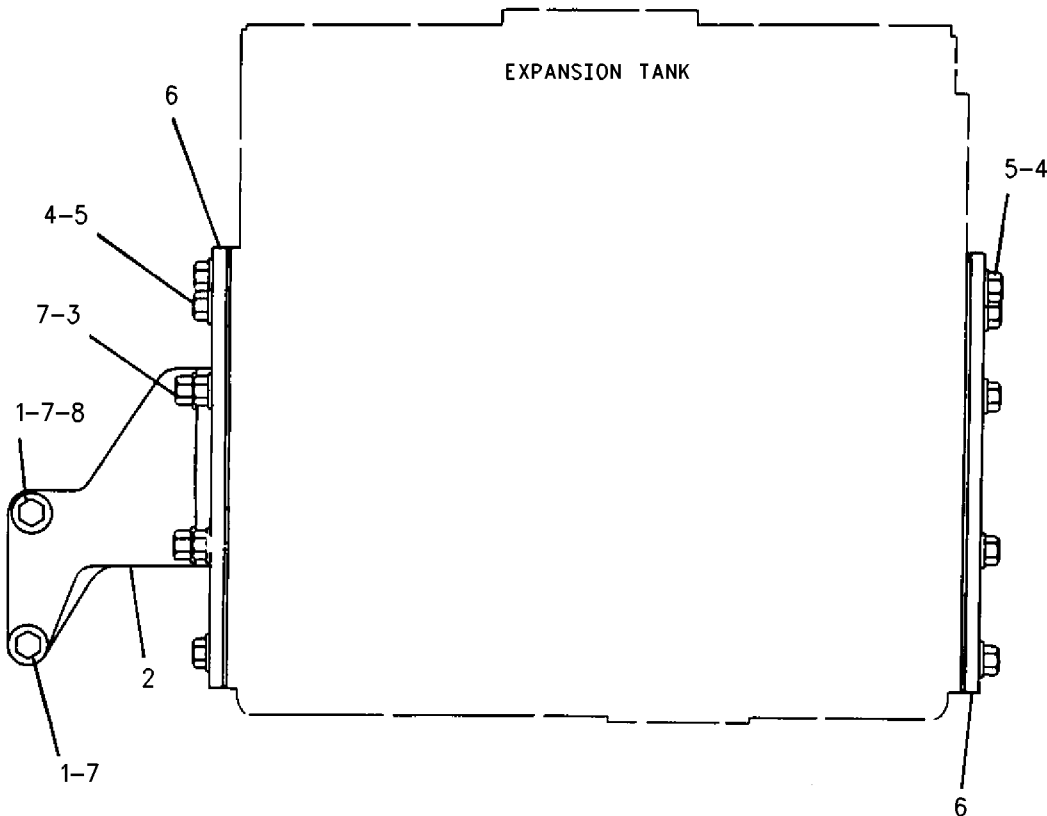
SMCS-1354

i01791019

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	0S-1619	2	BOLT (3/8-16X3-IN)						
C	2	1	7N-1991	1	SUPPORT-EXPANSION TANK						
C	3	1	3B-1915	2	BOLT (3/8-16X1-3/8-IN)						
C	4	1	5M-2894	14	WASHER-HARD (10.2X18.5X2.5-MM THK)						
C	5	1	0S-1594	14	BOLT (3/8-16X1-IN)						
	6	1	8L-4847	2	COVER						
		1	7L-0874	2	GASKET-HEAT EXCHANGER						
C	7	1	9N-1650	4	WASHER-HARD						
BC	8	1	6B-0933	2	SPACER (10.31X19.05X6.35-MM THK)						

B- USE AS REQUIRED

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00653085

COOLING SYSTEM

170-1813 COVER GP-WATER PUMP

AN ATTACHMENT

SMCS-1361

i01176626

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1566	2	BOLT (5/8-11X1.5-IN)						
	3B-1915	3	BOLT (3/8-16X1-3/8-IN)						
	129-4322	1	COVER-WATER PUMP						
	2P-0220	1	GASKET-PUMP						
	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	4D-3704	2	WASHER-HARD (17X30X5-MM THK)						
<END>									

COOLING SYSTEM

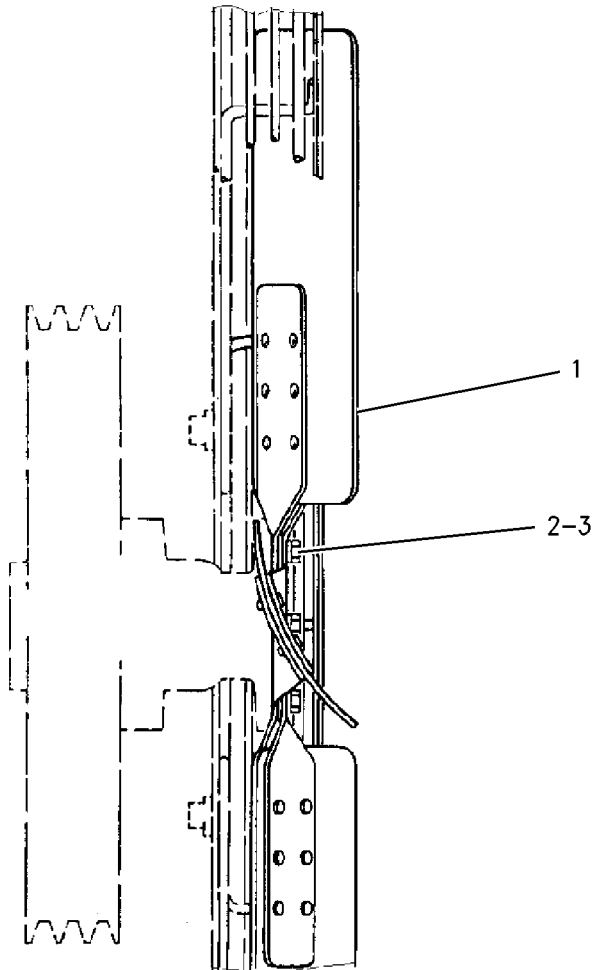
4N-2569 FAN GP-BLOWER

838-MM (33-INCH) DIAMETER
AN ATTACHMENT

SMCS-1356, 1360

i02728879

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	4N-2571	1	SPIDER AS-FAN (6-BLADE)	
	2	1	8T-2502	6	BOLT (3/8-16X1.125-IN)	
	3	1	8T-4896	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1

<END>

g00727447

COOLING SYSTEM

4N-4686 FAN GP-BLOWER

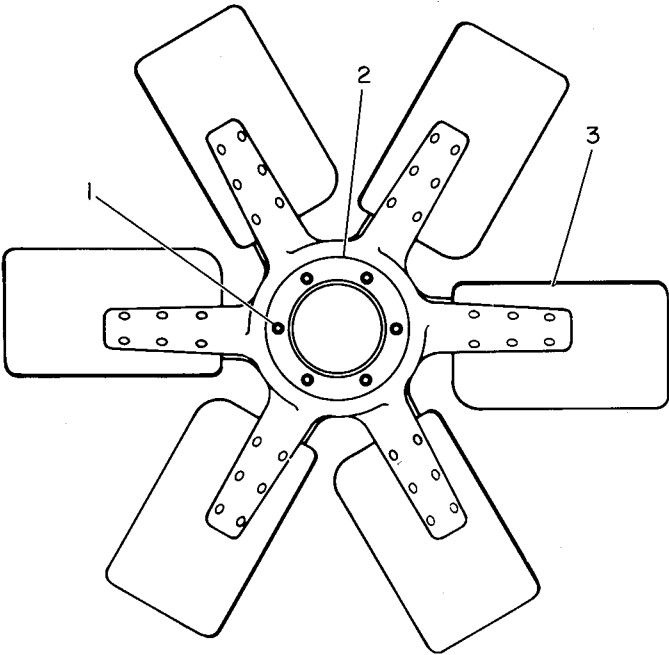
660 MM (26 INCH)

AN ATTACHMENT

SMCS-1356, 1360

i01773634

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8C-6561	6	BOLT (5/16-18X1.375 IN)						
		1	8T-4224	6	WASHER-HARD (8.8X16X2MM THK)						
	2	1	2L-3980	1	SPACER-SPIDER (8.74MM THK)						
	3	1	1N-8173	1	SPIDER AS-FAN (6 BLADES)						



GRAPHIC #1

<END>

g00134744

COOLING SYSTEM

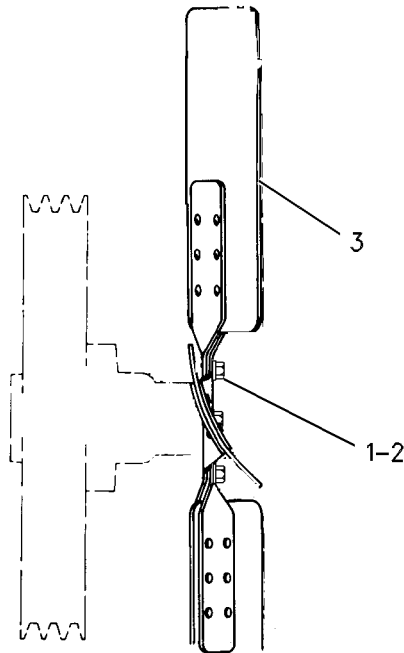
139 - 6100 FAN GP - BLOWER

36 - INCH
AN ATTACHMENT

SMCS-1356, 1360

i01790070

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	0S-1571	6	BOLT (3/8-16X1.75 IN)	
	2	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5MM THK)	
	3	1	7C-4624	1	SPIDER AS (8 BLADES)	



GRAPHIC #1

<END>

g00278229

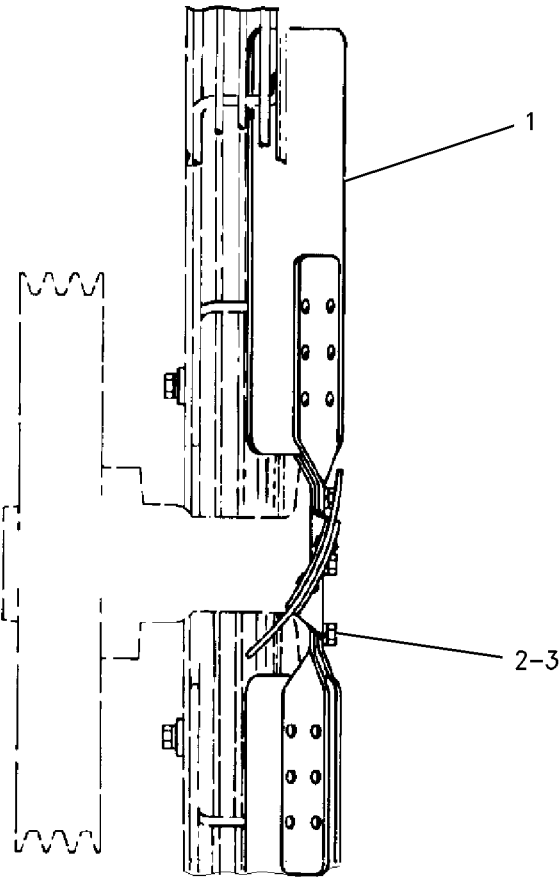
COOLING SYSTEM

4N-2570 FAN GP-SUCTION 838-MM (33-INCH) DIAMETER AN ATTACHMENT

SMCS-1356

i02728908

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	4N-2572	1	SPIDER AS-FAN (6-BLADE)	
	2	1	8T-2502	6	BOLT (3/8-16X1.125-IN)	
	3	1	8T-4896	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g00787102

COOLING SYSTEM

4N-4685 FAN GP-SUCTION

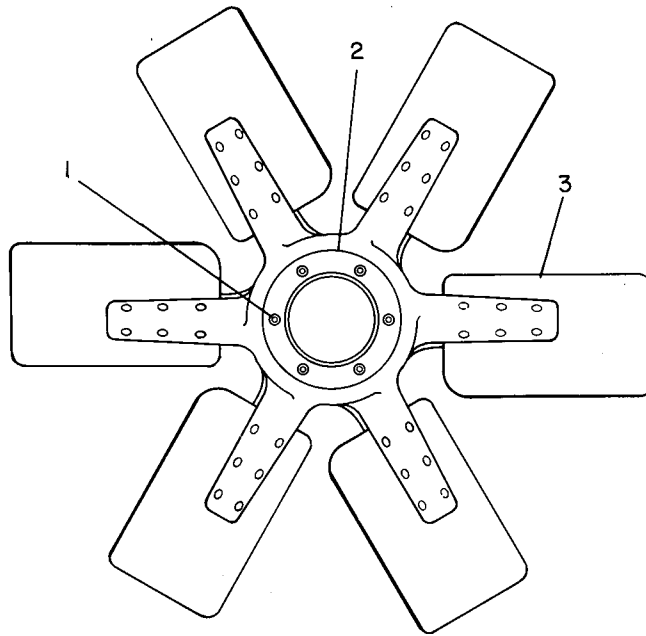
660 MM (26 INCH)

AN ATTACHMENT

SMCS-1356

i01773650

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7X-0440	6	BOLT (5/16-18X1.75-IN)						
		1	8T-4224	6	WASHER-HARD (8.8X16X2-MM THK)						
	2	1	5L-1313	1	SPACER (0.54-IN THK)						
	3	1	1N-8171	1	SPIDER AS-FAN (6 BLADE)						



GRAPHIC #1

<END>

g00134743

COOLING SYSTEM

3N-3270 HEAT EXCHANGER GP-SEA WATER

PART OF 107-7287 HEAT EXCHANGER GP-SEA WATER
FOR USE WITH EXPANSION TANK AND AUXILIARY LINES
AN ATTACHMENT

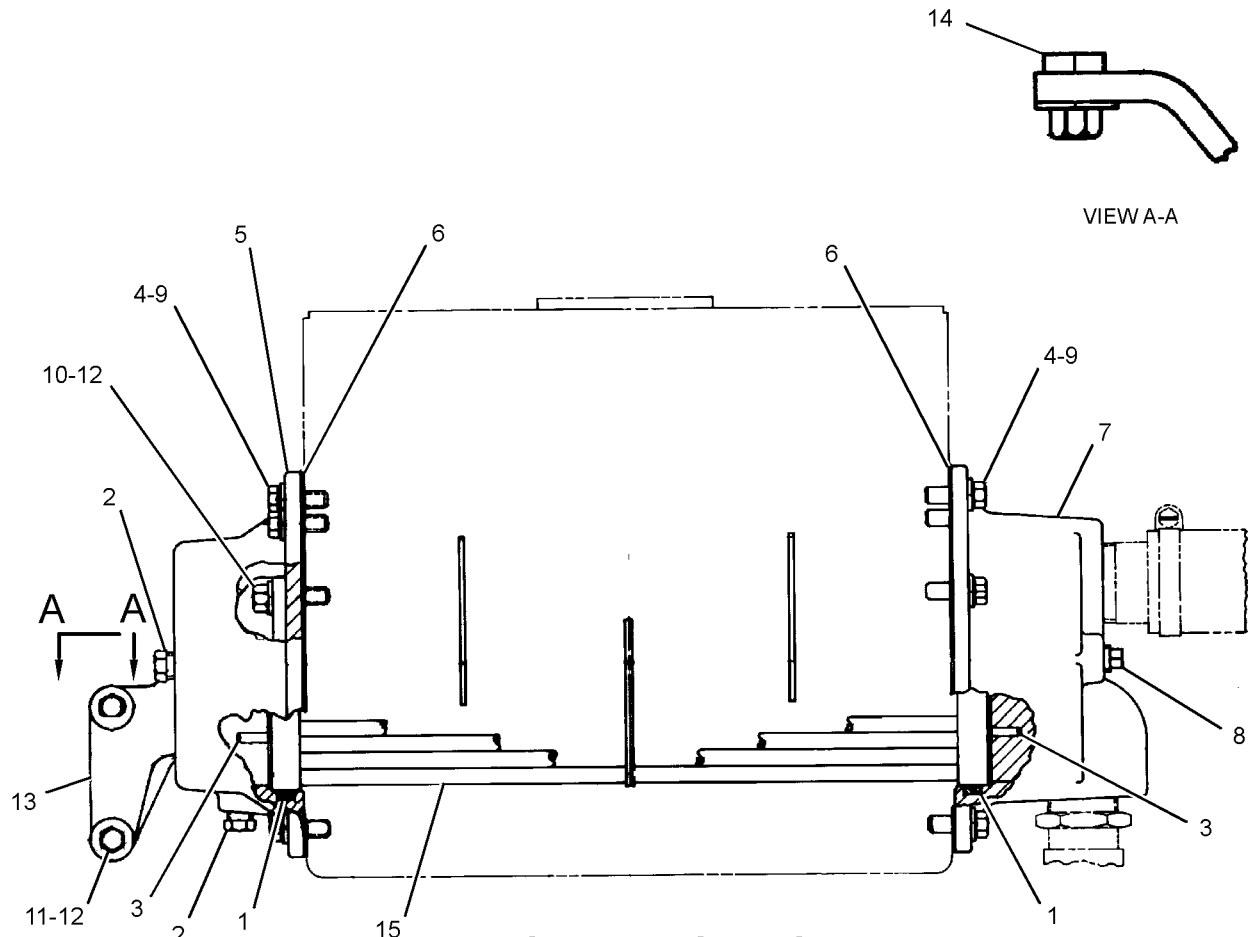
SMCS-1379

i02826000

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	5D-6642	2	SEAL-O-RING	
	2	1	9B-0877	2	PLUG	
	3	1	8L-4478	2	DOWEL	
	4	1	1A-2029	14	BOLT (3/8-16X1.125-IN)	
	5	1	7L-0875	1	BONNET-HEAT EXCHANGER	
	6	1	7L-0874	2	GASKET-HEAT EXCHANGER	
	7	1	7L-0877	1	BONNET-HEAT EXCHANGER	
	8	1	5L-7685	2	ROD AS-ZINC	
					(EACH INCLUDES)	
		1	6L-2280	1	ROD-ZINC	
		1	233-8525	1	PLUG-PIPE	
	9	1	5M-2894	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	3B-1915	2	BOLT (3/8-16X1.375-IN)	
	11	1	0S-1619	2	BOLT (3/8-16X3-IN)	
	12	1	9L-9132	4	WASHER (10.2X25.5X2.5-MM THK)	
	13	1	7N-1991	1	SUPPORT-EXPANSION TANK	
BC	14	1	6B-0933	2	SPACER (10.31X19.05X6.35-MM THK)	
	15	1	297-6414	1	BUNDLE-EXCHANGER TUBE	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE



FRONT VIEW OF ENGINE

<END>

GRAPHIC #1

g01410824

COOLING SYSTEM

107-7287 HEAT EXCHANGER GP - SEA WATER

AN ATTACHMENT

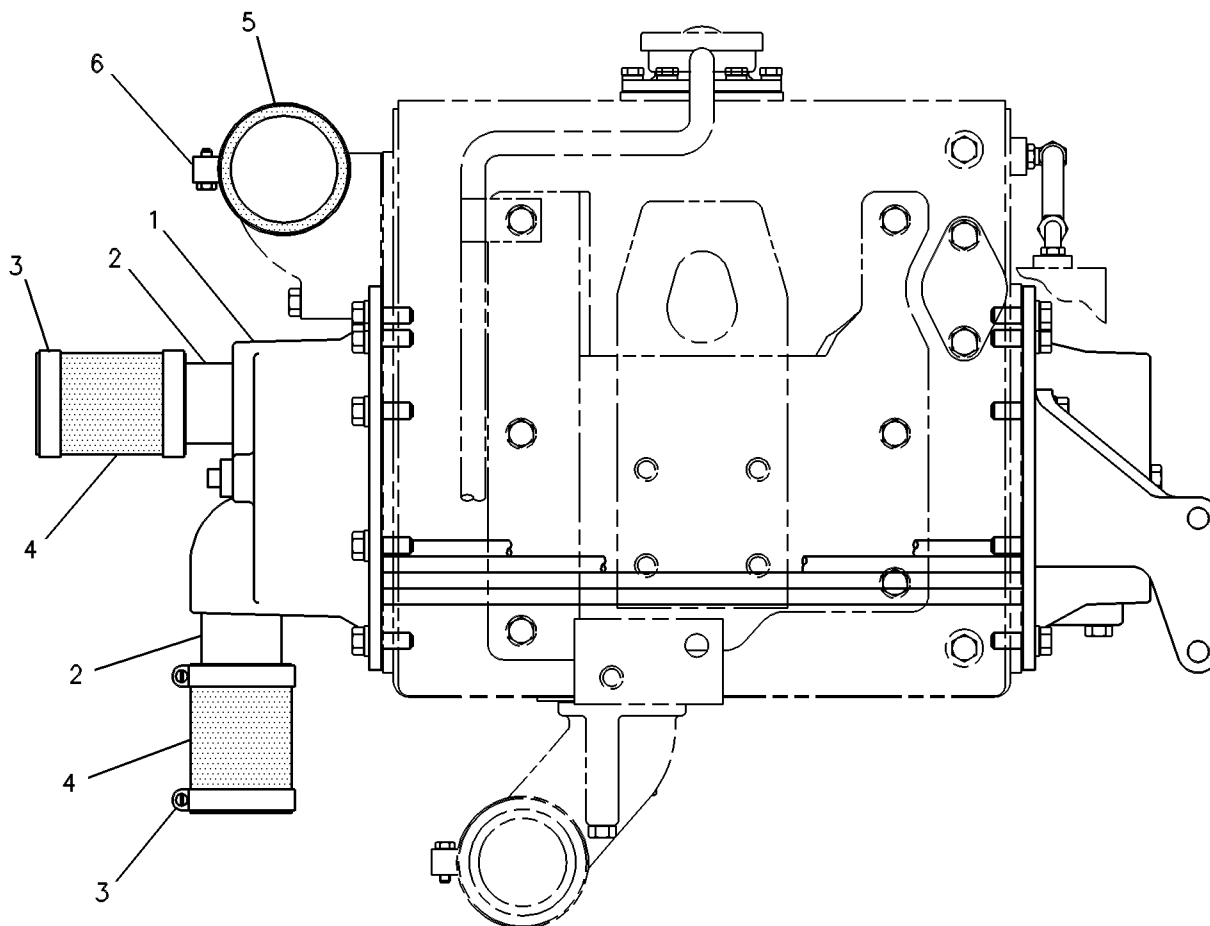
SMCS-1379

i00903514

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	3N-3270	1	HEAT EXCHANGER GP-SEA WATER						85
	2	1	4H-7137	2	PIPE						
	3	1	9M-0164	4	CLAMP-HOSE						
E	4	1	5P-1258		HOSE (11CM)						
E	5	1	5P-1262		HOSE (8CM)						
	6	1	5P-4868	2	CLAMP-HOSE						

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00238968

COOLING SYSTEM

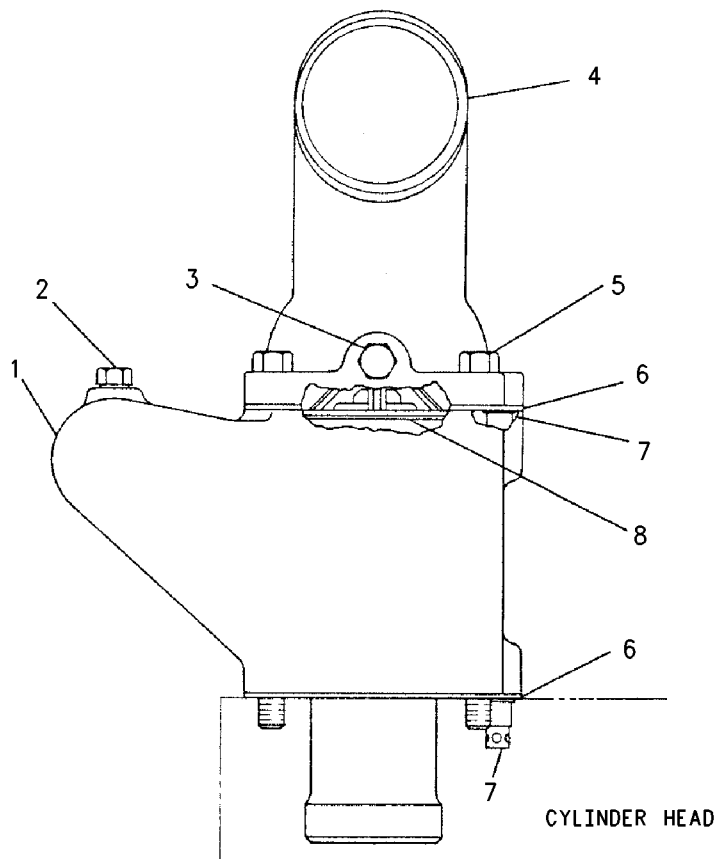
7C-6665 HOUSING & REGULATOR GP

AN ATTACHMENT

SMCS-1355, 1393

i03018347

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7N-6745	1	HOUSING-REGULATOR	
	2	1	8T-6764	1	PLUG-PIPE	
	3	1	8T-6765	1	PLUG-PIPE	
	4	1	6A-9611	1	PIPE-OUTLET	
	5	1	5B-9603	4	BOLT (3/8-16X5-IN)	
	6	1	7N-0944	2	GASKET	
	7	1	8N-4485	2	VALVE AS-VENT	
	8	1	116-7577	1	REGULATOR-WATER TEMPERATURE (86-DEG C TO 97-DEG C)	



LEFT SIDE VIEW

GRAPHIC #1

<END>

g00917570

COOLING SYSTEM

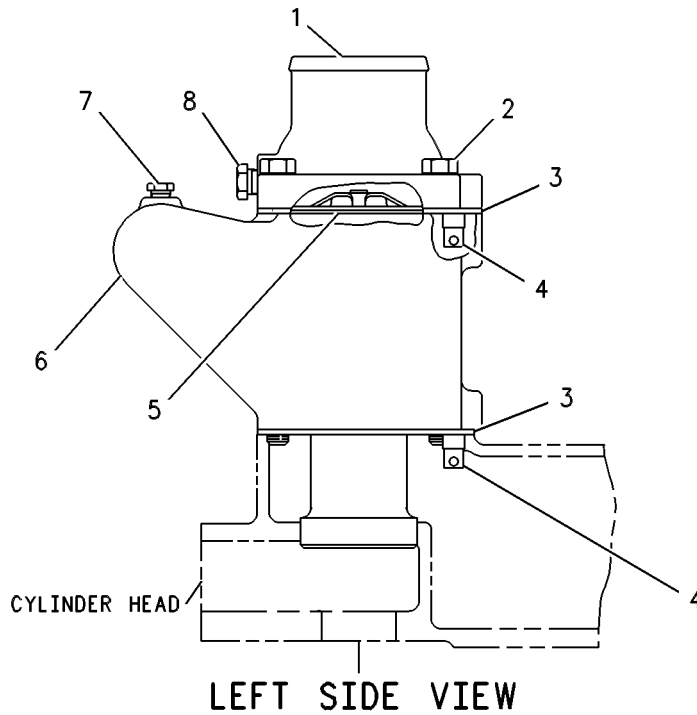
7C-7414 HOUSING & REGULATOR GP

CANNOT BE USED WITH EXPANSION TANKS
AN ATTACHMENT

SMCS-1355, 1393

i03018348

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1P-9989	1	PIPE-HEAD OUTLET						
	2	1	5B-9603	4	BOLT (3/8-16X5-IN)						
	3	1	7N-0944	2	GASKET						
	4	1	8N-4485	2	VALVE AS-VENT						
	5	1	116-7577	1	REGULATOR-WATER TEMPERATURE (86-DEG C TO 97-DEG C)						
	6	1	7N-6745	1	HOUSING-REGULATOR						
	7	1	8T-6764	1	PLUG-PIPE						
	8	1	8T-6765	1	PLUG-PIPE						



GRAPHIC #1

<END>

g00248364

COOLING SYSTEM

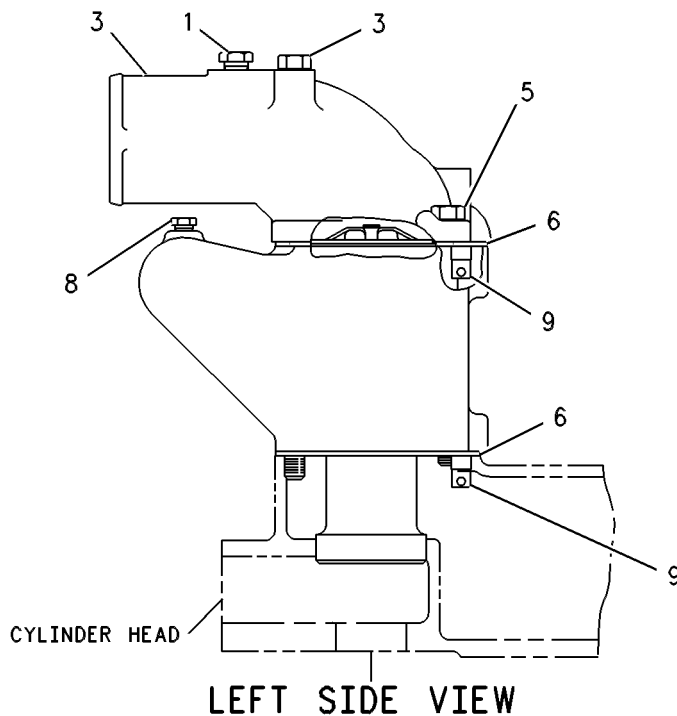
7C-9216 HOUSING & REGULATOR GP

FOR USE WITH ENGINE MOUNTED HEAT EXCHANGER
AN ATTACHMENT

SMCS-1355, 1393

i03018349

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8T-6765	1	PLUG-PIPE						
	2	1	8F-6350	1	BOLT (3/8-16X8-IN)						
	3	1	6N-4879	1	ELBOW-OUTLET						
	4	1	116-7577	1	REGULATOR-WATER TEMPERATURE (86-DEG C TO 97-DEG C)						
	5	1	5B-9603	3	BOLT (3/8-16X5-IN)						
	6	1	7N-0944	2	GASKET						
	7	1	7N-6745	1	HOUSING-REGULATOR						
	8	1	8T-6764	1	PLUG-PIPE						
	9	1	8N-4485	2	VALVE AS-VENT						



GRAPHIC #1

<END>

g00248344

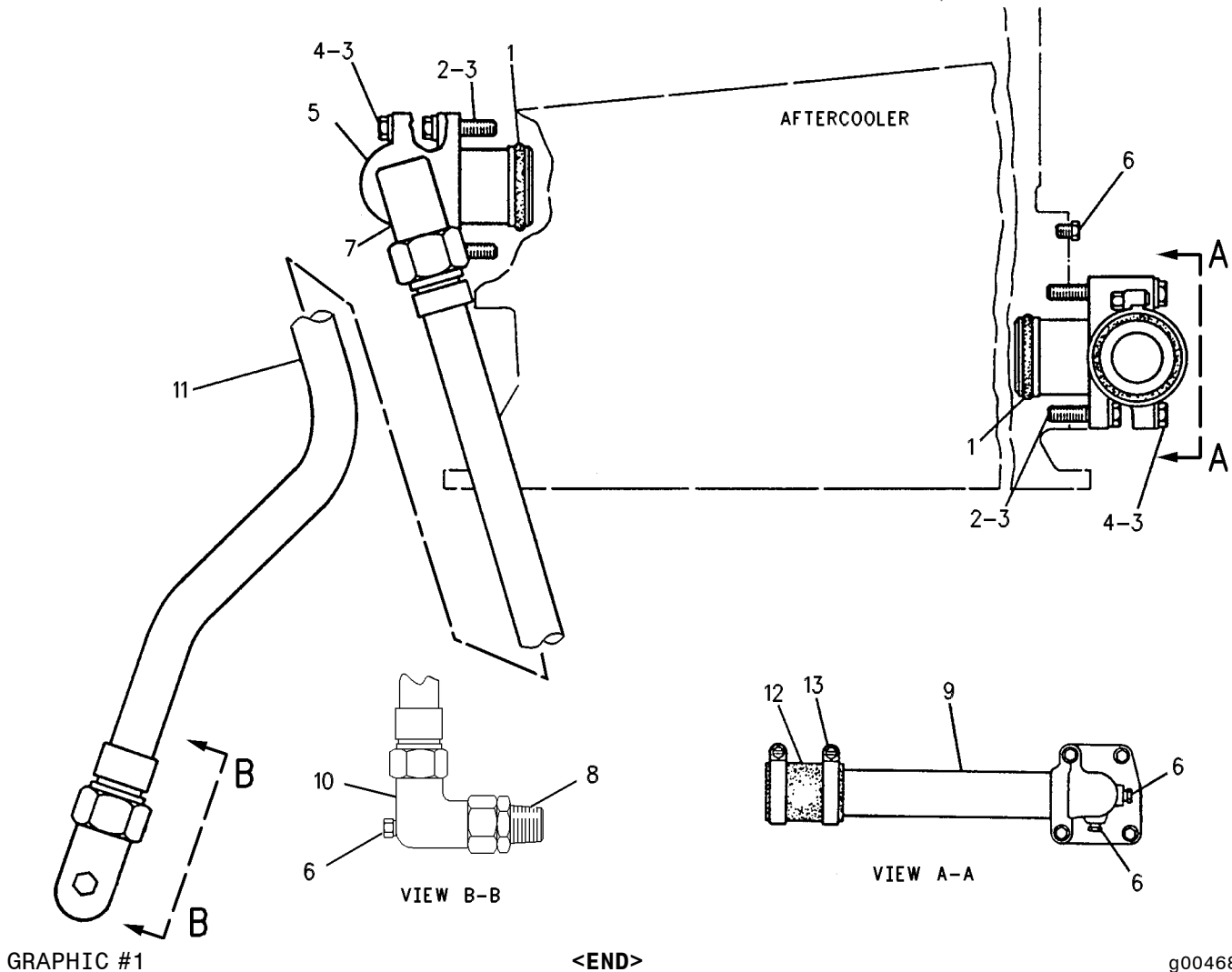
COOLING SYSTEM

7N-6113 LINES GP -AFTERCOOLER WATER AN ATTACHMENT

SMCS-1380

i00908458

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5M-5860	2	SEAL-O-RING						
	2	1	1A-9579	4	BOLT (5/16-18X1.5-IN)						
	3	1	9M-1974	8	WASHER-HARD (8.8X16X2-MM THK)						
	4	1	1D-4539	4	BOLT (5/16-18X2.5-IN)						
	5	1	7N-3392	1	ELBOW AS						
	6	1	8T-6764	6	PLUG-PIPE						
	7	1	9L-4007	1	ELBOW-FLARED						
	8	1	030-8307	1	CONNECTOR						
	9	1	7N-2980	1	TUBE AS						
	10	1	5P-4250	1	ELBOW (SWIVEL)						
	11	1	7N-2974	1	TUBE AS						
	12	1	6L-3944	1	HOSE						
	13	1	5P-0597	2	CLAMP-HOSE						



g00468403

COOLING SYSTEM

2W-0805 LINES GP - TURBOCHARGER WATER

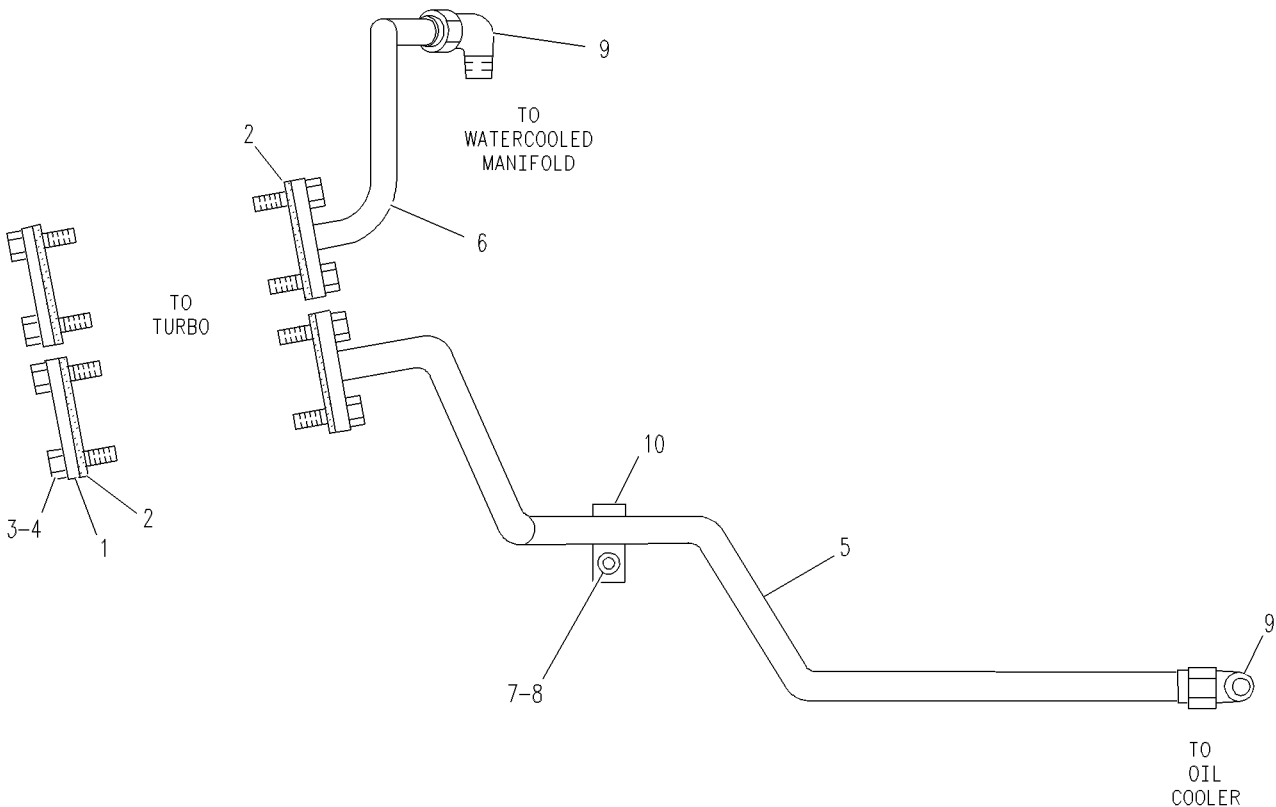
AN ATTACHMENT

SMCS-1052, 1380

i01790098

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-7878	2	PLATE-COVER						
	2	1	7N-7628	4	GASKET						
	3	1	1A-2029	8	BOLT (3/8-16X1.125-IN)						
	4	1	5M-2894	8	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	5	1	1W-9257	1	TUBE AS-TURBOCHARGER						
C	6	1	7W-7136	1	TUBE AS-WATER						
	7	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)						
	8	1	2H-3755	1	BOLT (5/16-18X0.43-IN)						
C	9	1	7L-7262	2	ELBOW-FLARED						
	10	1	4H-2633	1	CLIP						

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00474201

COOLING SYSTEM

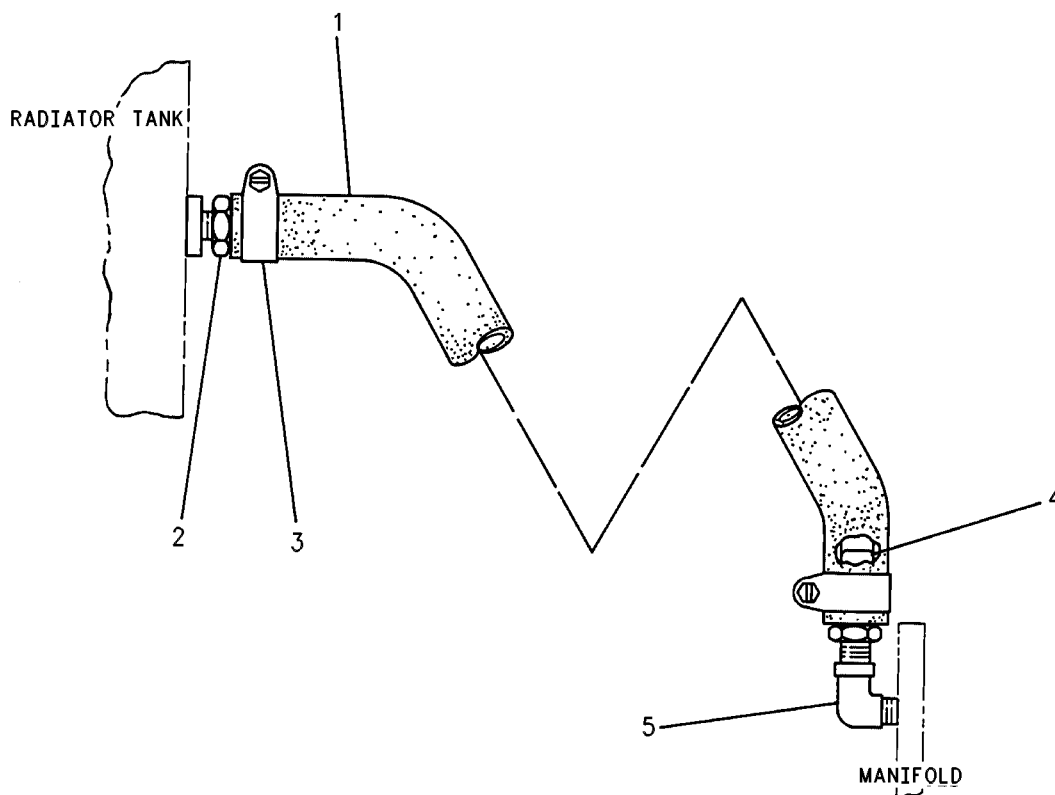
4W-1111 LINES GP-VENT FOR USE WITH LARGER CAPACITY RADIATOR AN ATTACHMENT

SMCS-1380

i00929158

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
CE	1	1	5P-0767		HOSE (63CM)						
C	2	1	6V-7183	2	CONNECTOR-HOSE						
C	3	1	5D-1026	2	CLAMP-HOSE						
C	4	1	8N-4485	1	VALVE AS-VENT						
C	5	1	3B-6552	1	ELBOW-PIPE						

C- CHANGE FROM PREVIOUS TYPE
E- ORDER BY THE CENTIMETER



GRAPHIC #1

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g00474496

COOLING SYSTEM

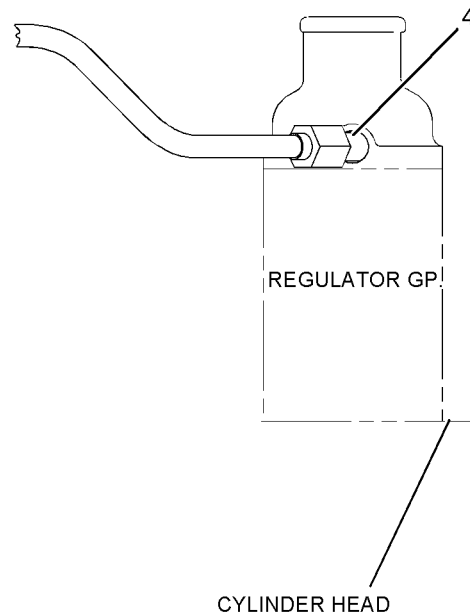
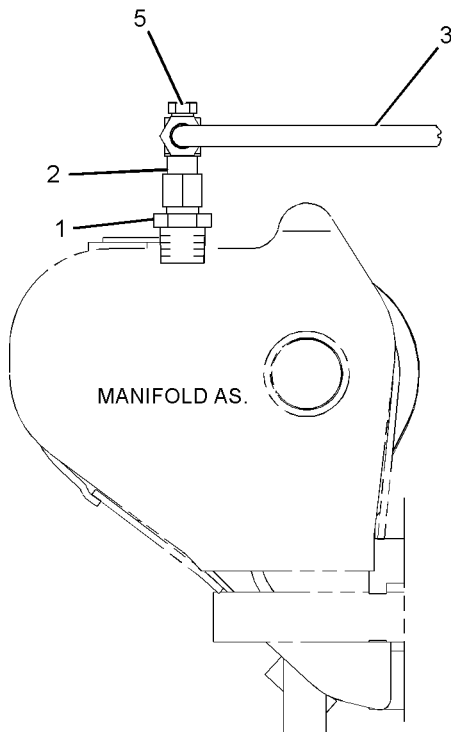
7C-8085 LINES GP - VENT

CANNOT BE USED WITH RADIATOR OR EXPANSION TANK
AN ATTACHMENT

SMCS-1380

i02153478

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8N-9071	1	VALVE AS						
		1	7N-7688	1	FERRULE						
		1	8N-9072	1	BODY-VALVE						
		1	9M-5590	1	BALL						
	2	1	5P-4117	1	ELBOW (SWIVEL)						
	3	1	7C-7926	1	TUBE AS						
	4	1	001-6498	1	ELBOW						
	5	1	8T-6764	1	PLUG-PIPE						



GRAPHIC #1

<END>

g01092315

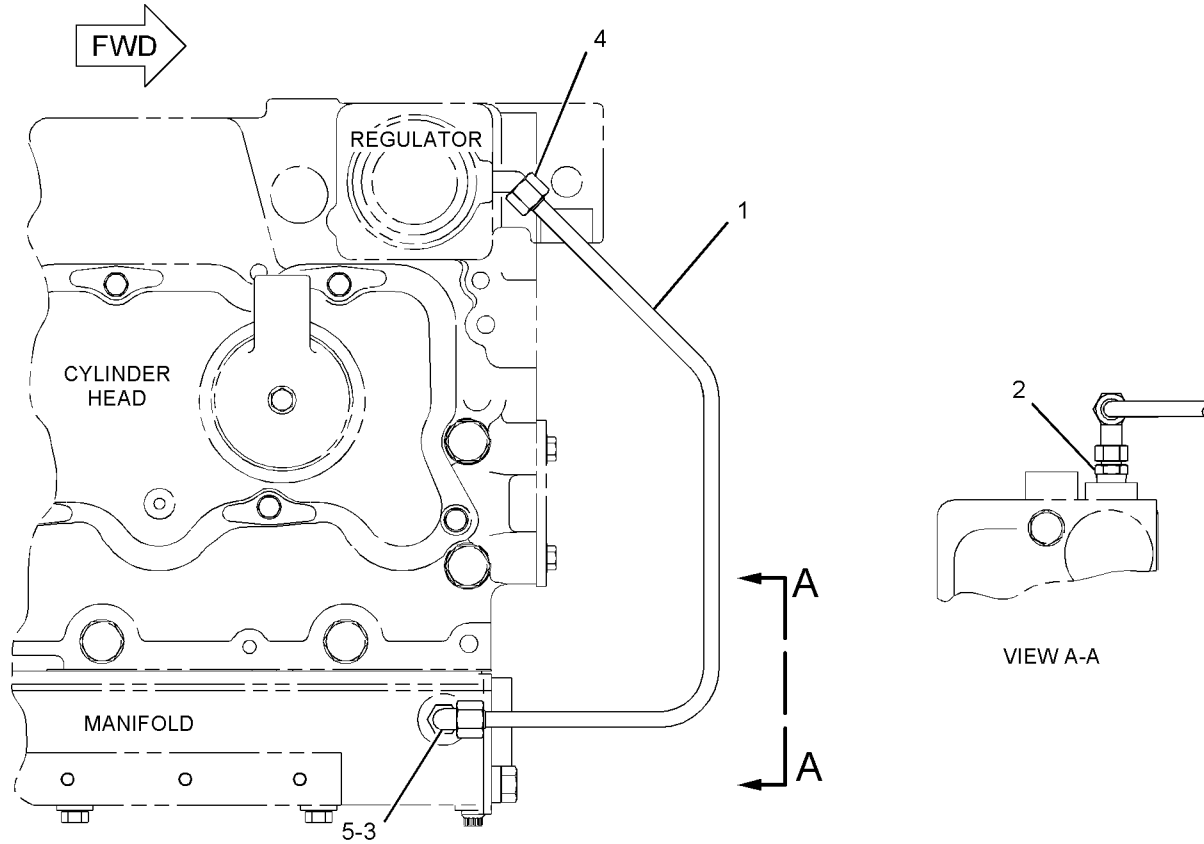
COOLING SYSTEM

101-8960 LINES GP-VENT AN ATTACHMENT

SMCS-1380

i02153526

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	101-8961	1	TUBE AS-VENT						
	2	1	8N-9071	1	VALVE AS						
		1	7N-7688	1	FERRULE						
		1	8N-9072	1	BODY-VALVE						
		1	9M-5590	1	BALL						
	3	1	5P-4117	1	ELBOW (SWIVEL)						
	4	1	001-6498	1	ELBOW						
	5	1	8T-6764	1	PLUG-PIPE						



TOP VIEW

GRAPHIC #1

<END>

g01091710

COOLING SYSTEM

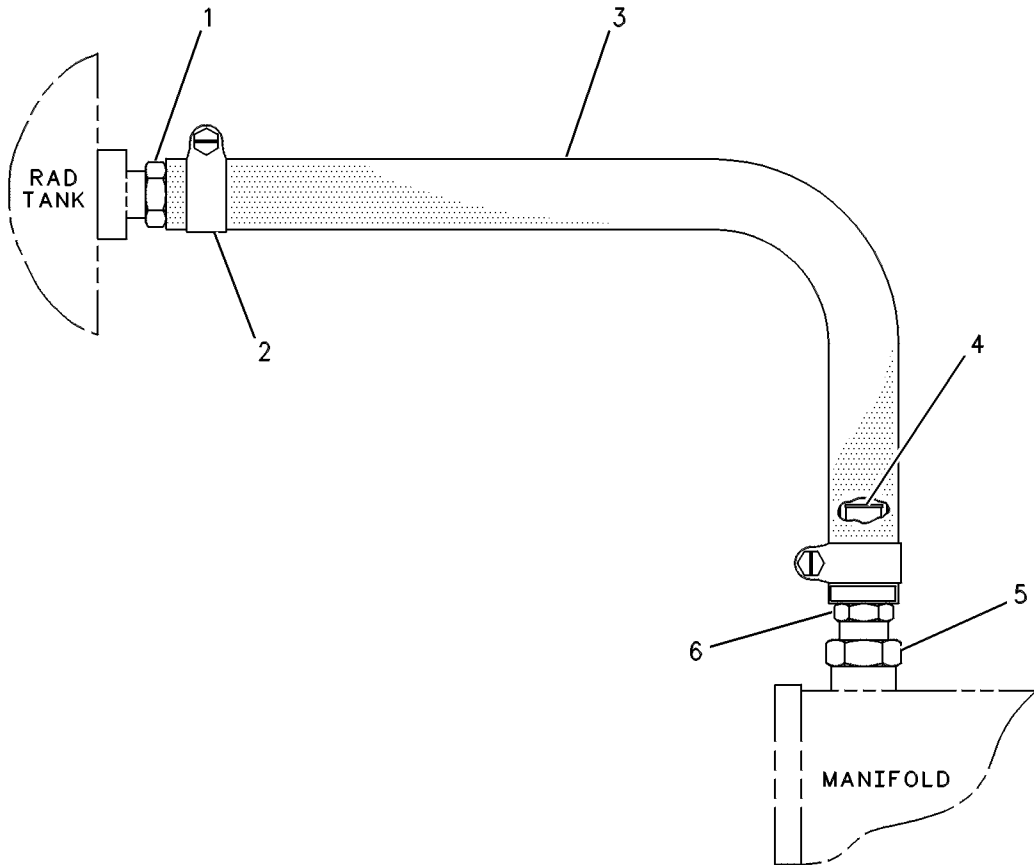
106 - 1878 LINES GP - VENT FOR USE WITH RADIATOR AN ATTACHMENT

SMCS - 1380

i02989049

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7D - 7026	1	CONNECTOR - HOSE						
	2	1	5D - 1026	2	CLAMP - HOSE						
E	3	1	5P - 0767		HOSE (45 - CM)						
	4	1	8N - 4485	1	VALVE AS - VENT						
	5	1	8B - 1931	1	BUSHING - REDUCING						
	6	1	6V - 7183	1	CONNECTOR - HOSE						

E - ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00236186

COOLING SYSTEM

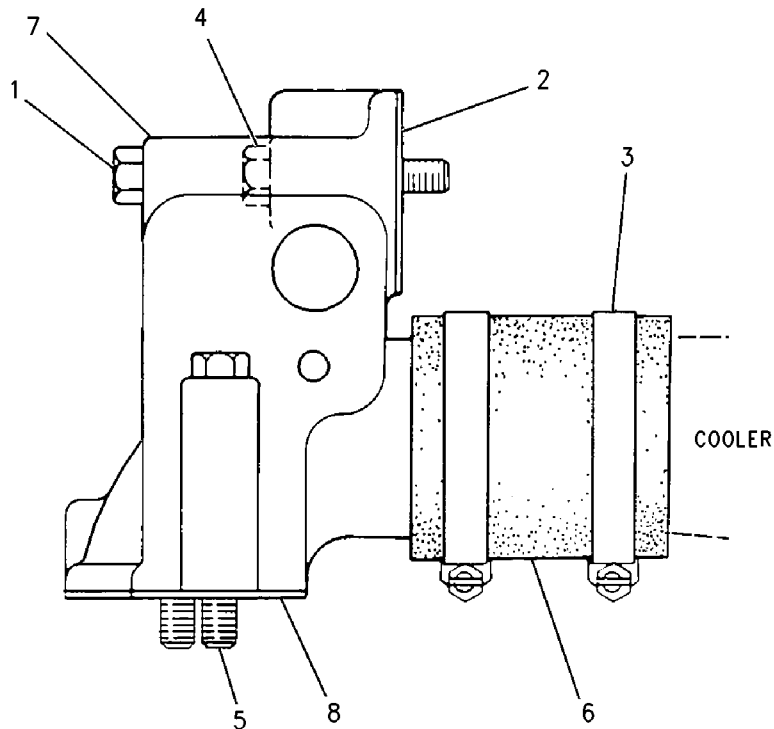
2W-6779 LINES GP-WATER

SMCS-1355, 1380, 1393

i01791031

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0T-0065	1	BOLT (3/8-16X3.5 IN)						
	2	1	2P-6132	1	GASKET-ELBOW						
	3	1	8T-4984	2	CLAMP-HOSE						
	4	1	0S-1590	1	BOLT (3/8-16X2 IN)						
	5	1	0S-1619	2	BOLT (3/8-16X3 IN)						
	6	1	131-6645	1	HOSE						
Y	7	1	8N-4112	1	LINES GP-WATER						97
	8	1	7N-0200	1	GASKET						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00917281

COOLING SYSTEM

8N-4112 LINES GP-WATER

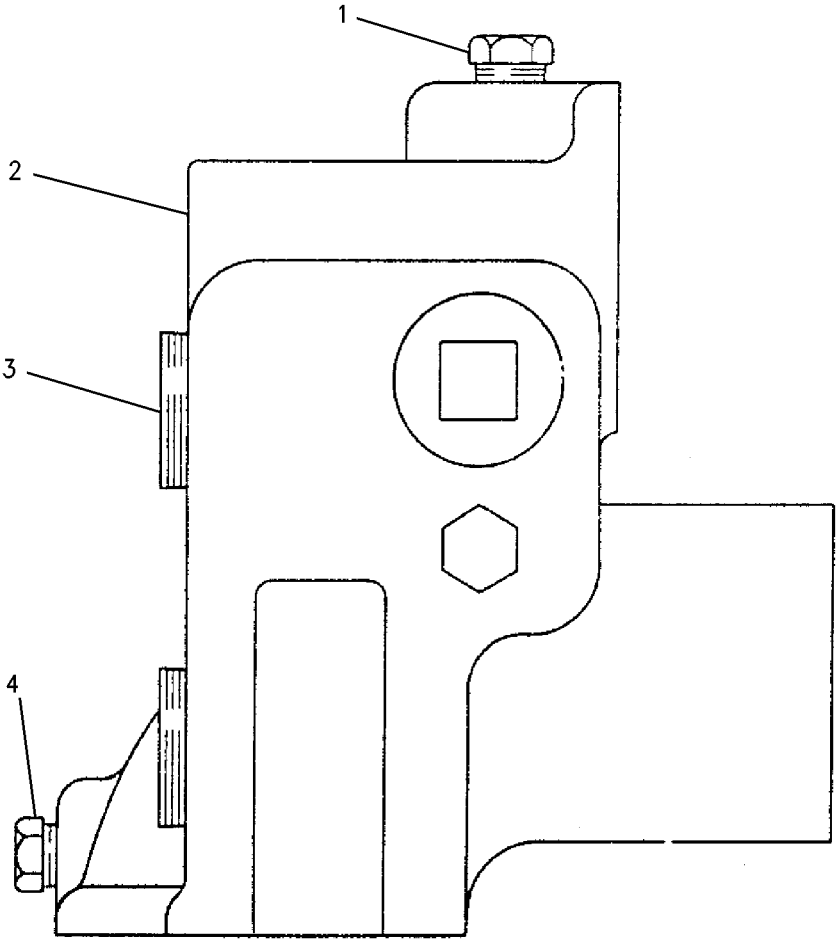
BYPASS & OUTLET ELBOW

PART OF 2W-6779 LINES GP-WATER

SMCS-1355, 1380, 1393

i01791032

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
B	1	1	3J-5390	1	PLUG						
	2	1	7N-0172	1	ELBOW						
B	3	1	1B-5174	3	PLUG-PIPE						
B	4	1	5M-6213	2	PLUG-PIPE						
B- USE AS REQUIRED											



GRAPHIC #1

<END>

g00647688

COOLING SYSTEM

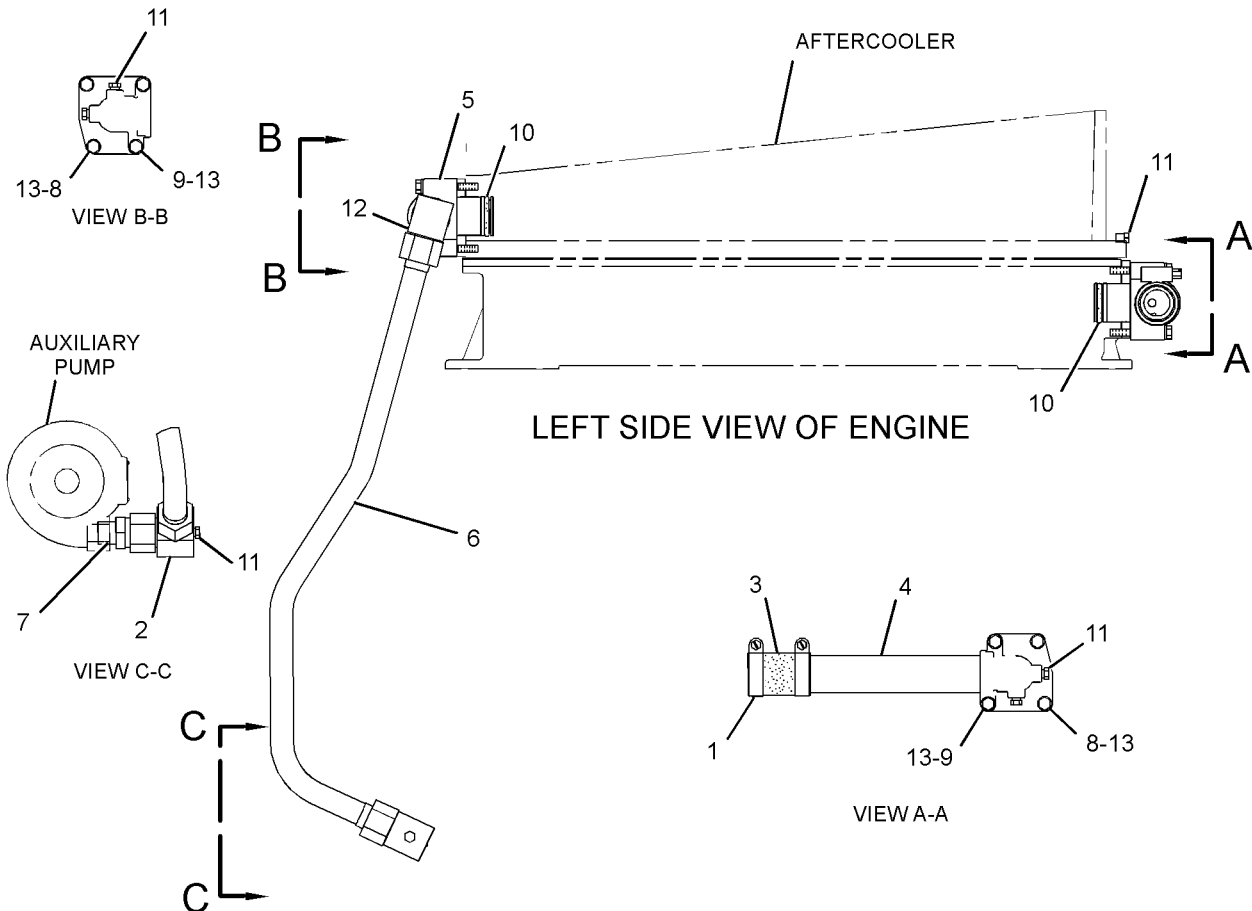
256-6746 LINES GP-WATER-AUXILIARY WATER PUMP AN ATTACHMENT

SMCS-1355, 1380, 1393

i03007162

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-0597	2	CLAMP-HOSE						
	2	1	5P-4250	1	ELBOW (SWIVEL)						
E	3	1	5P-1256		HOSE (7-CM)						
	4	1	7N-2980	1	TUBE AS						
	5	1	7N-3392	1	ELBOW AS						
	6	1	256-6745	1	TUBE AS-INLET						
	7	1	030-8307	1	CONNECTOR						
	8	1	1A-9579	4	BOLT (5/16-18X1.5-IN)						
	9	1	1D-4539	4	BOLT (5/16-18X2.5-IN)						
	10	1	5M-5860	2	SEAL-O-RING						
	11	1	8T-6764	6	PLUG-PIPE						
	12	1	9L-4007	1	ELBOW-FLARED						
	13	1	9M-1974	8	WASHER-HARD (8.8X16X2-MM THK)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g01524930

COOLING SYSTEM

7N-6109 PUMP GP-AUXILIARY WATER

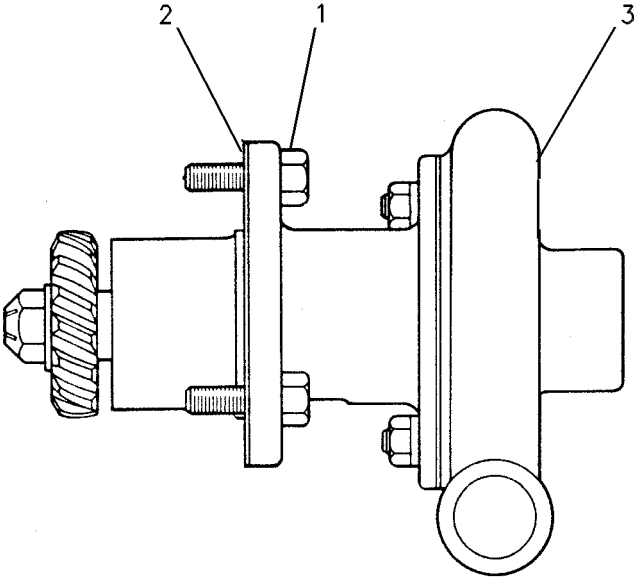
AN ATTACHMENT

TYPE 1

SMCS-1371

i00908449

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1594	3	BOLT						
	2	1	8L-3938	1	GASKET						
YC	3	1	116-1856	1	PUMP GP-AUXILIARY WATER						101
C- CHANGE FROM PREVIOUS TYPE											
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

<END>

g00248341

COOLING SYSTEM

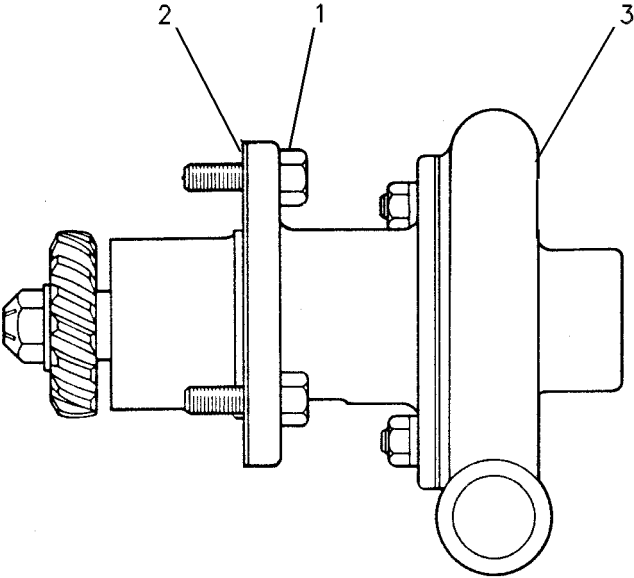
7N-6109 PUMP GP-AUXILIARY WATER

AN ATTACHMENT
TYPE 2

SMCS-1371

i01901009

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	0S-1594	3	BOLT (3/8-16X1 IN)	
	2	1	8L-3938	1	GASKET	
YC	3	1	227-9850	1	PUMP GP-AUXILIARY WATER	103
C- CHANGE FROM PREVIOUS TYPE Y- SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00248341

COOLING SYSTEM

116-1856 PUMP GP-AUXILIARY WATER

PART OF 7N-6109 PUMP GP-AUXILIARY WATER

AN ATTACHMENT

SMCS-1371

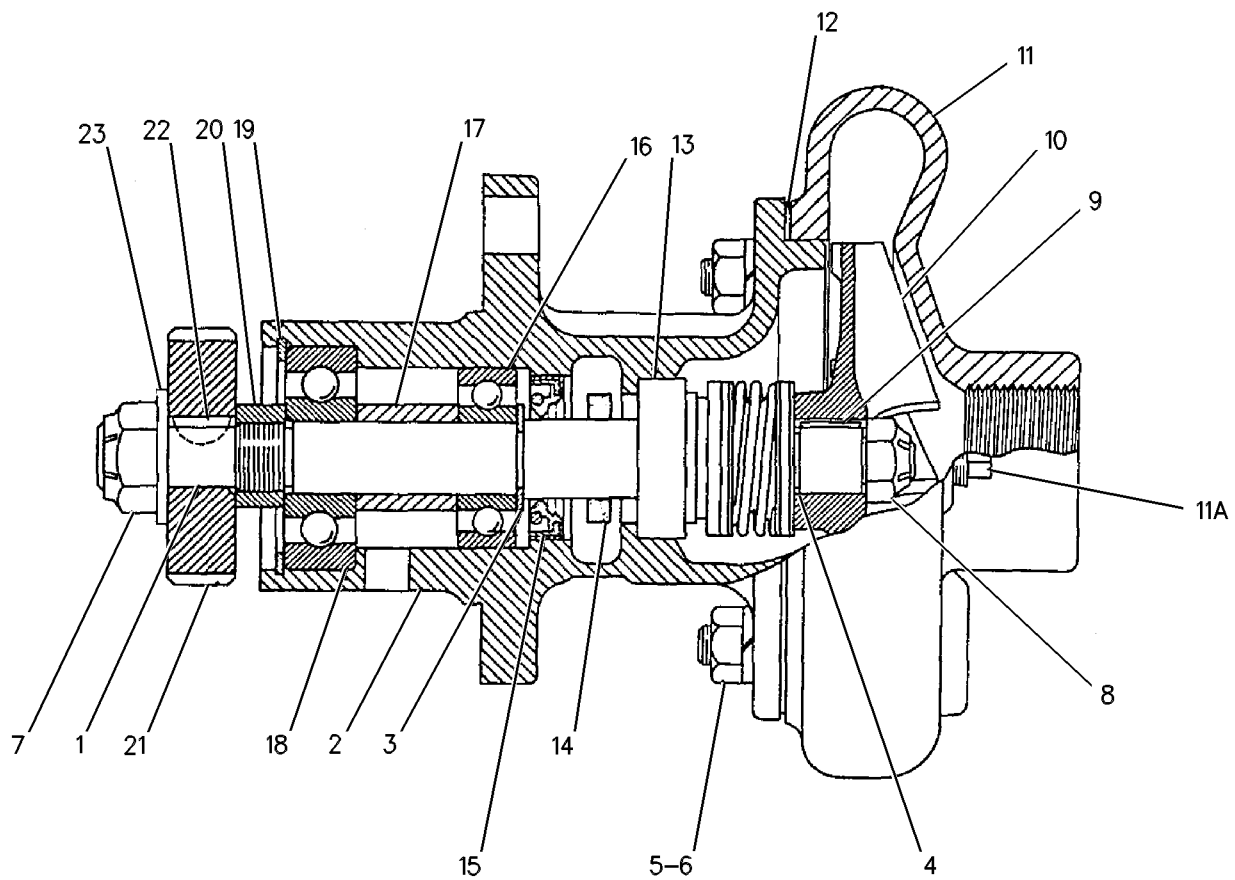
i01791034

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	116-1855	1	SHAFT-WATER PUMP						
	2	1	1N-8327	1	BODY						
	3	1	2L-8509	1	RING-LOCK						
	4	1	1N-8326	1	SHIM (0.005-IN THK)						
	5	1	5S-0003	4	NUT (5/16-18-THD)						
	6	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	7	1	2K-0564	1	LOCKNUT (1/2-20-THD)						
	8	1	5H-8633	1	LOCKNUT						
	9	1	8L-4000	1	KEY						
	10	1	1N-8321	1	IMPELLER						
	11	1	1N-8322	1	HOUSING AS						
	11A	1	5M-6214	1	PLUG-PIPE						
	12	1	8L-4013	1	GASKET						
	13	1	8L-4042	1	SEAL AS						
	14	1	8L-4024	1	SLINGER						
	15	1	224-6784	1	SEAL-OIL						
	16	1	6B-0926	1	BALL BEARING						
	17	1	1N-8325	1	SPACER (0.6X0.73X1.129-IN THK)						
	18	1	1N-8320	1	BALL BEARING						
	19	1	2R-1230	1	RING-RETAINING						
	20	1	1N-9901	1	SPACER (0.6X0.75X0.354-IN THK)						
	21	1	7N-5306	1	GEAR-WATER PUMP (20-TEETH)						
	22	1	1B-8702	1	KEY-WOODRUFF						
	23	1	4B-4280	1	WASHER (13.5X27X2.5-MM THK)						

COOLING SYSTEM

116-1856 PUMP GP-AUXILIARY WATER (contd.)

i01791034



GRAPHIC #1

<END>

g00576629

COOLING SYSTEM

227-9850 PUMP GP-AUXILIARY WATER

PART OF 7N-6109 PUMP GP-AUXILIARY WATER

AN ATTACHMENT

SMCS-1371

i02190004

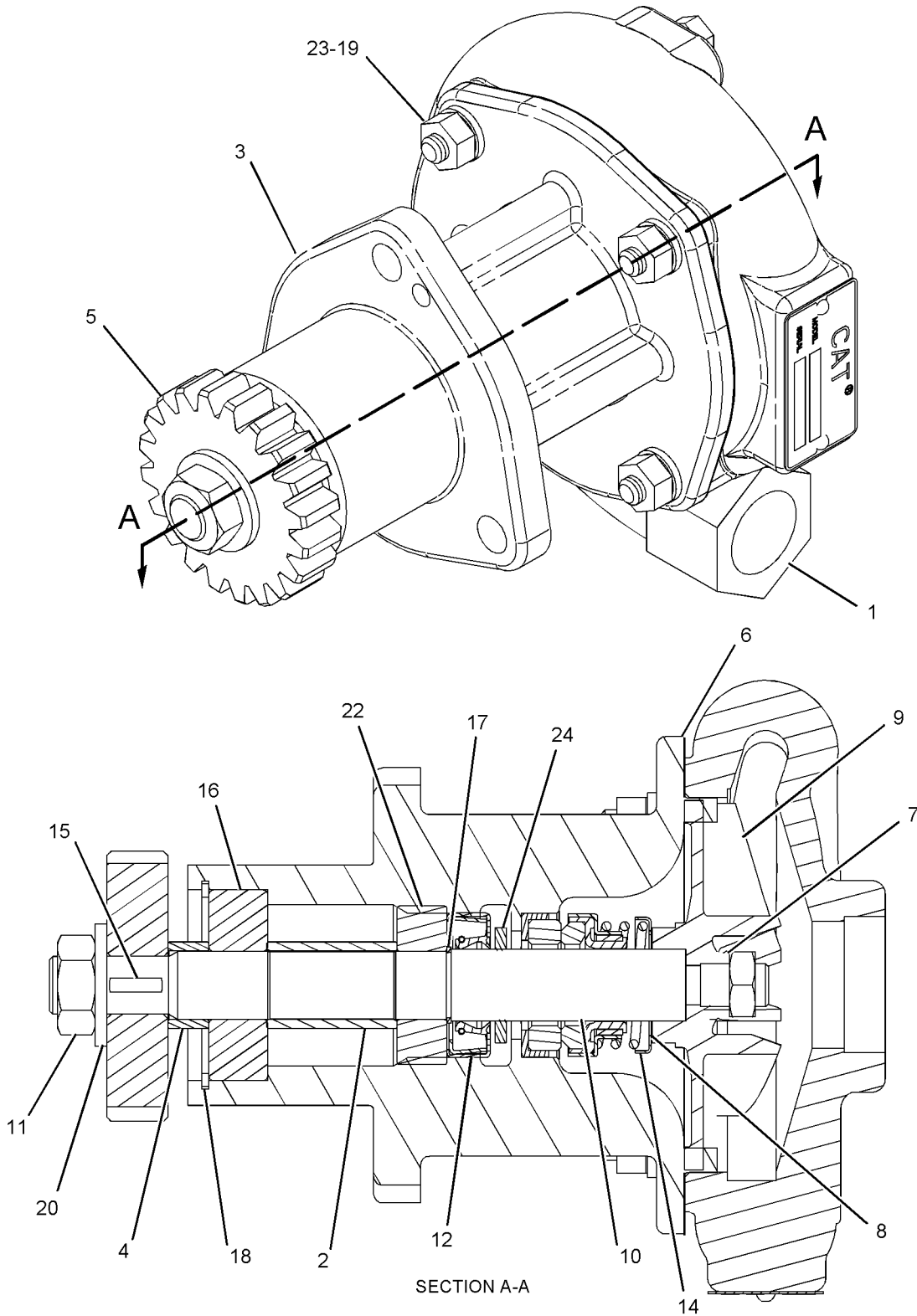
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1N-8322	1	HOUSING AS						
		1	5M-6214	1	PLUG-PIPE						
	2	1	1N-8325	1	SPACER (0.6X0.73X1.129-IN THK)						
	3	1	1N-8327	1	BODY						
	4	1	1N-9901	1	SPACER (0.6X0.75X0.354-IN THK)						
	5	1	7N-5306	1	GEAR-WATER PUMP (20-TEETH)						
	6	1	8L-4013	1	GASKET						
	7	1	227-9844	1	NUT-JAM						
B	8	1	227-9845		SHIM (0.25-MM THK)						
	9	1	227-9853	1	IMPELLER						
	10	1	227-9854	1	SHAFT						
	11	1	235-4547	1	NUT-SPECIAL						
	12	1	237-5348	1	SEAL-LIP TYPE						
	14	1	249-2439	1	SEAL AS-WATER PUMP						
	15	1	1B-8702	1	KEY-WOODRUFF						
	16	1	1N-8320	1	BALL BEARING						
	17	1	2L-8509	1	RING-LOCK						
	18	1	2R-1230	1	RING-RETAINING						
	19	1	3L-6789	4	LOCKWASHER						
	20	1	4B-4280	1	WASHER (13.5X27X2.5-MM THK)						
	22	1	6B-0926	1	BALL BEARING						
	23	1	7L-8170	4	NUT-FULL (5/16-18-THD)						
	24	1	8L-4024	1	SLINGER						

B-USE AS REQUIRED

COOLING SYSTEM

227-9850 PUMP GP-AUXILIARY WATER (contd.)

i02190004



GRAPHIC #1

<END>

g01107681

COOLING SYSTEM

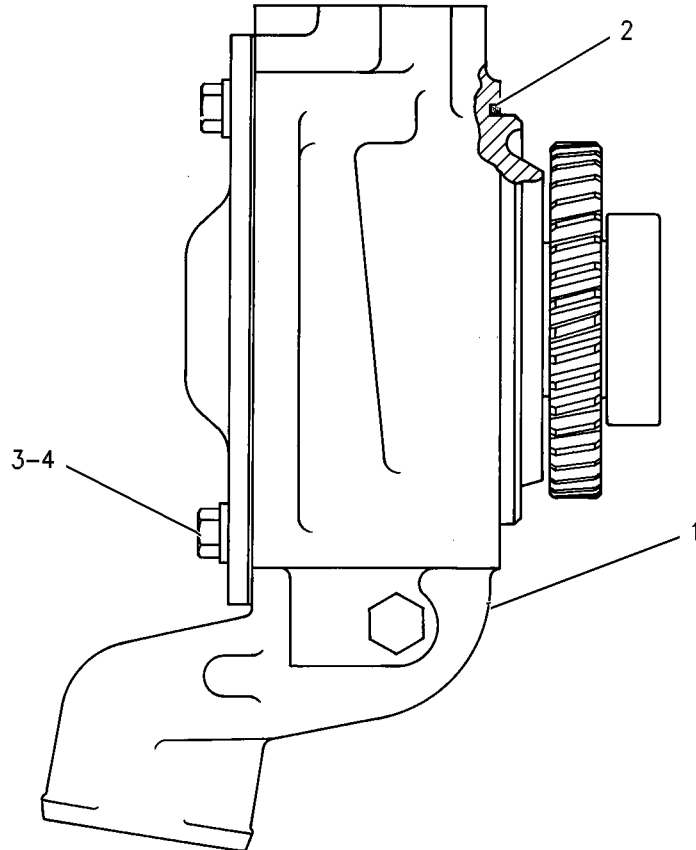
7N-6210 PUMP GP-WATER

SMCS-1361

i01793826

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
CYR	1	1	172-7764	1	PUMP GP-WATER	107
	2	1	5F-3106	1	SEAL-O-RING	
	3	1	0T-0055	2	BOLT (3/8-16X4.25 IN)	
	4	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)	

C- CHANGE FROM PREVIOUS TYPE
R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00626763

COOLING SYSTEM

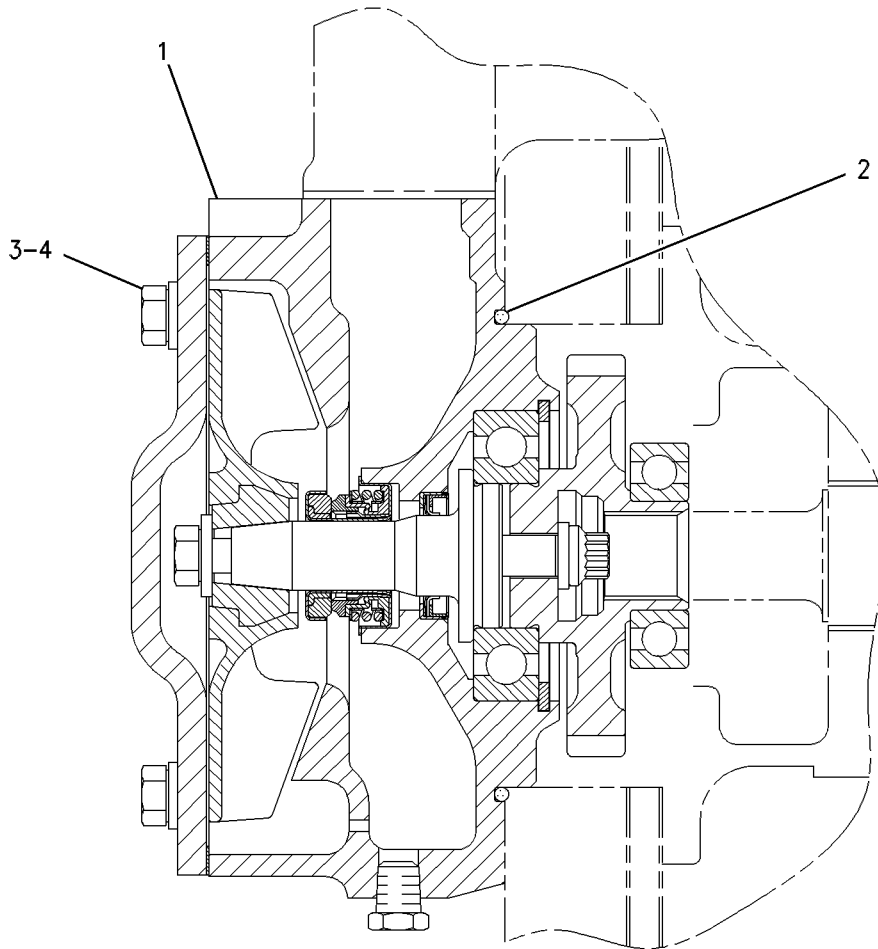
8N-4252 PUMP GP-WATER FOR USE WITH 8N-1912 LINES GP-WATER AN ATTACHMENT

SMCS-1361

i01793828

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
CYR	1	1	172-7769	1	PUMP GP-WATER						108
	2	1	5F-3106	1	SEAL-O-RING						
	3	1	0T-0055	2	BOLT (3/8-16X4.25 IN)						
	4	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						

C- CHANGE FROM PREVIOUS TYPE
R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00459344

COOLING SYSTEM

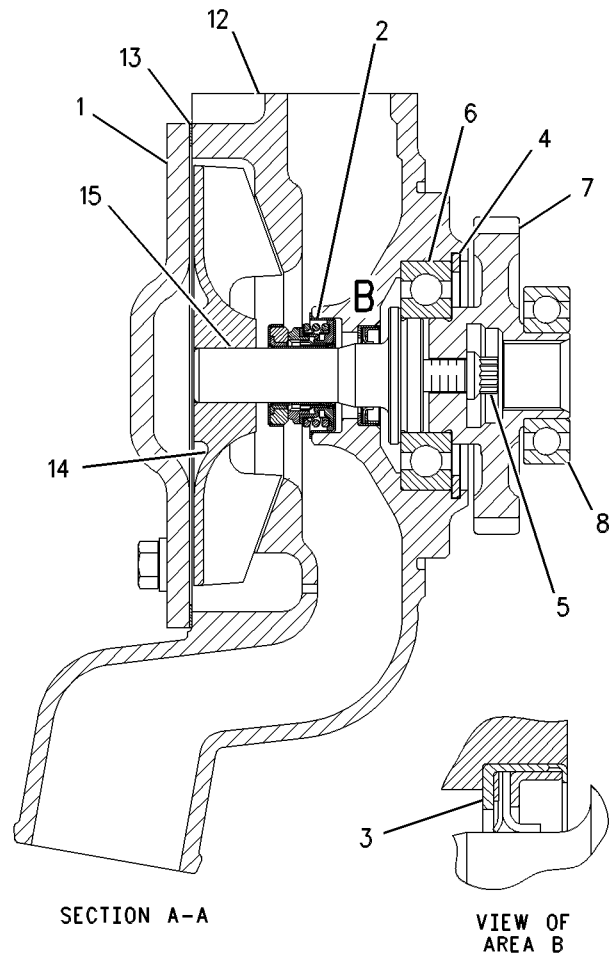
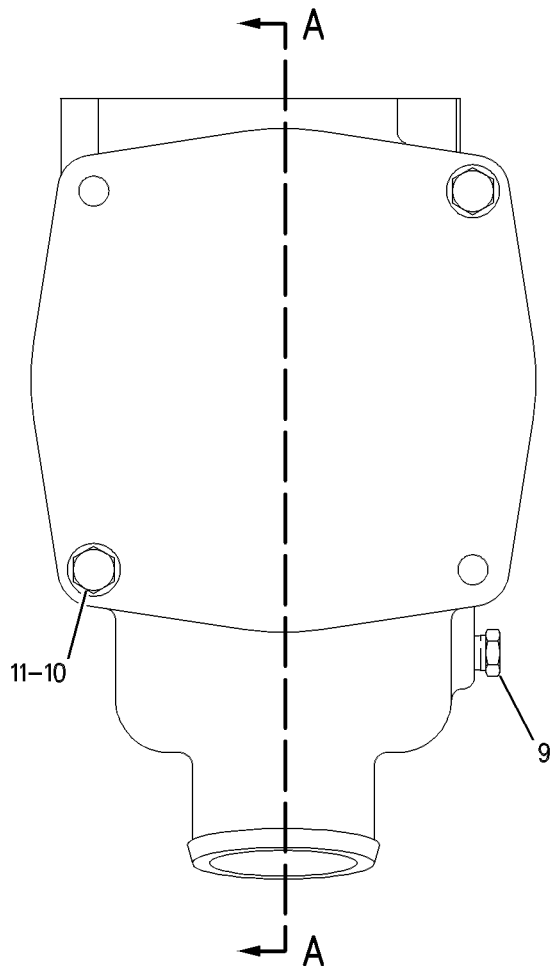
172-7764 PUMP GP-WATER*R

PART OF 7N-6210 PUMP GP-WATER

SMCS-1361

i01790077

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8N-5929	1	COVER-WATER PUMP						
	2	1	169-1750	1	SEAL GP						
	3	1	154-4482	1	SEAL-LIP TYPE						
	4	1	1K-6985	1	RING-RETAINING						
	5	1	6K-3771	1	BOLT-12 POINT HEAD (7/16-14X1.5-IN)						
	6	1	6H-3957	1	BALL BEARING						
	7	1	2W-7679	1	GEAR AS (40-TEETH)						
	8	1	1B-3867	1	BALL BEARING						
	9	1	8T-6765	1	PLUG-PIPE						
	10	1	OL-1351	2	BOLT (3/8-16X0.875-IN)						
	11	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	12	1	172-7827	1	HOUSING-WATER PUMP						
	13	1	172-0038	1	GASKET						
	14	1	172-5189	1	IMPELLER-PUMP						
	15	1	172-5185	1	SHAFT-WATER PUMP						



GRAPHIC #1

<END>

g00627886

COOLING SYSTEM

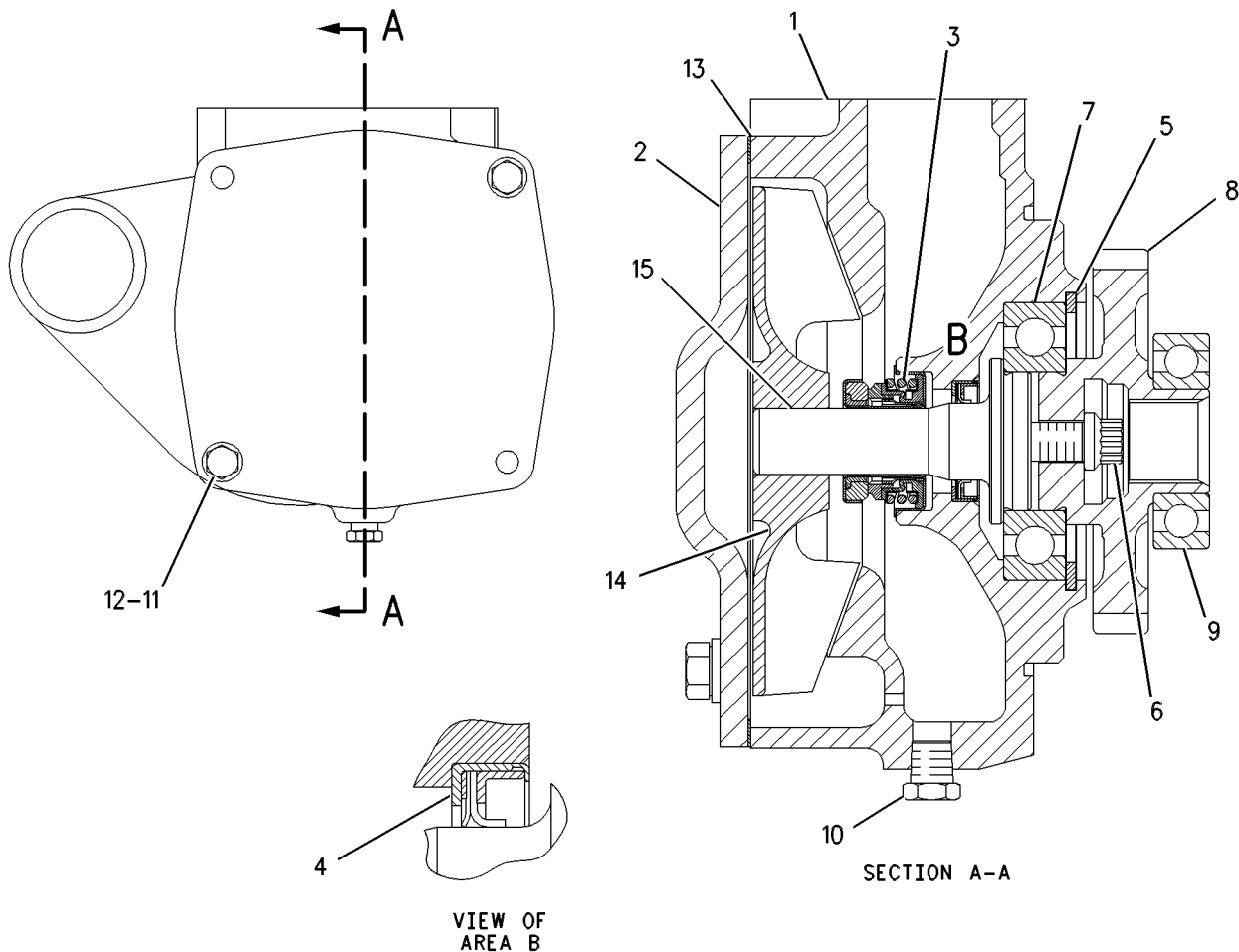
172-7769 PUMP GP-WATER*R

PART OF 8N-4252 PUMP GP-WATER
AN ATTACHMENT

SMCS-1361

i01790079

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-3946	1	HOUSING-WATER PUMP						
	2	1	8N-5929	1	COVER-WATER PUMP						
	3	1	169-1750	1	SEAL GP						
	4	1	154-4482	1	SEAL-LIP TYPE						
	5	1	1K-6985	1	RING-RETAINING						
	6	1	6K-3771	1	BOLT-12 POINT HEAD (7/16-14X1.5-IN)						
	7	1	6H-3957	1	BALL BEARING						
	8	1	2W-7679	1	GEAR AS (40-TEETH)						
	9	1	1B-3867	1	BALL BEARING						
	10	1	8T-6765	1	PLUG-PIPE						
	11	1	0L-1351	2	BOLT (3/8-16X0.875-IN)						
	12	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	13	1	172-0038	1	GASKET						
	14	1	172-5189	1	IMPELLER-PUMP						
	15	1	172-5185	1	SHAFT-WATER PUMP						



GRAPHIC #1

<END>

g00628011

COOLING SYSTEM

2W-9073 RADIATOR GP FOR USE WITH 33 INCH DIAMETER FAN AN ATTACHMENT

SMCS-1353

i03018342

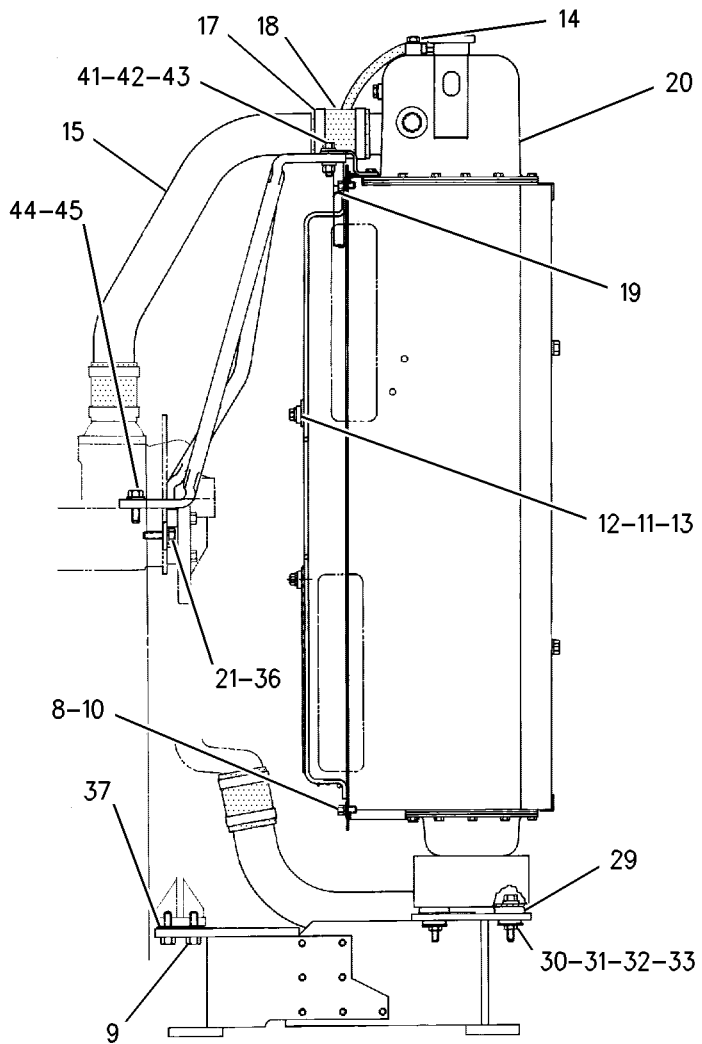
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	5P-0598	2	CLAMP	
E	3	1	5P-1265		HOSE (11CM)	
	4	1	7X-7731	1	PLUG-PIPE	
	5	1	4L-6454	18	BOLT (3/8-16X1-IN)	
	6	1	4L-4642	1	GASKET	
	7	1	4L-3864	1	ELBOW-RADIATOR OUTLET	
	8	1	7X-0579	20	WASHER-HARD (8.8X25.5X2-MM THK)	
	9	1	7X-0343	4	BOLT (5/8-11X1.25-IN)	
	10	1	4M-0061	20	BOLT (5/16-18X0.75-IN)	
	11	1	8T-4896	18	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	12	1	227-4055	2	STRAP	
	13	1	5S-7379	4	BOLT (3/8-16X0.875-IN)	
	14	1	8T-6764	1	PLUG-PIPE	
C	15	1	7C-7925	1	TUBE-RADIATOR INLET	
	16	2	4N-3032	2	BRACKET-RADIATOR	
	17	1	5P-4868	6	CLAMP-HOSE	
E	18	1	5P-1262		HOSE (11CM EACH)	
	19	1	4N-2573	2	GUARD AS-FAN	
YR	20	1	8N-8838	1	RADIATOR GP	112
	21	1	8T-9393	1	BOLT (5/8-11X1.5-IN)	
	22	1	6L-8617	1	CAP-PRESSURE (7-PSI) (RADIATOR)	
	23	2	3B-8404	3	CLIP	
D	24	2	5P-5991		HOSE (1.60M)	
	25	2	9X-6138	1	PLUG-PIPE	
	26	2	2W-9074	1	BRACE AS	
	27	1	7N-9494	1	TUBE-RADIATOR OUTLET	
	28	2	2W-8777	1	BRACE-RADIATOR	
	29	1	8D-0983	4	MOUNTING AS-VIBRATION ISOLATOR	
	30	1	8D-7185	4	WASHER (11.9X38.1X3-MM THK)	
	31	1	8T-5360	4	WASHER (12X22.5X2.5-MM THK)	
	32	1	7X-0447	4	NUT (7/16-14-THD)	
	33	1	7X-0311	4	BOLT (7/16-14X2.25-IN)	
	34	2	4L-2922	1	SUPPORT AS	
	35	2	4L-2921	1	SUPPORT AS	
	36	1	8T-4122	1	WASHER-HARD (17X32X3.5-MM THK)	
B	37	1	4L-7893	4	SHIM (0.598-IN THK)	
	38	1	9S-9238	4	SPACER (13.49X23.88X16.13-MM THK)	
	39	2	2W-9072	1	SUPPORT AS	
	40	2	2W-9070	1	SUPPORT AS	
	41	1	4L-9337	2	BOLT (3/8-16X1.5-IN)	
	42	1	5P-1075	4	WASHER-HARD (10.2X22.5X3-MM THK)	
	43	1	6V-8801	2	NUT (3/8-16-THD)	
	44	1	5P-1076	1	WASHER-HARD (13.5X30X4-MM THK)	
	45	1	5P-2566	1	BOLT (1/2-13X1.5-IN)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

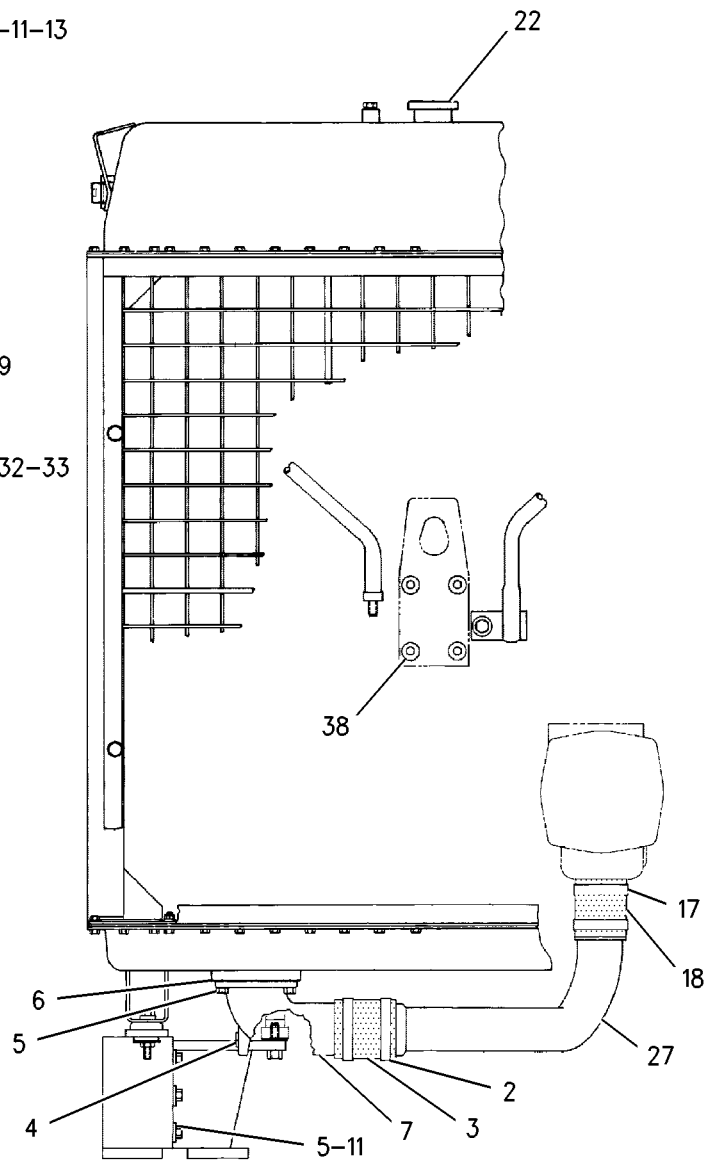
COOLING SYSTEM

2W-9073 RADIATOR GP (contd.)

i03018342



RIGHT SIDE VIEW



FRONT VIEW

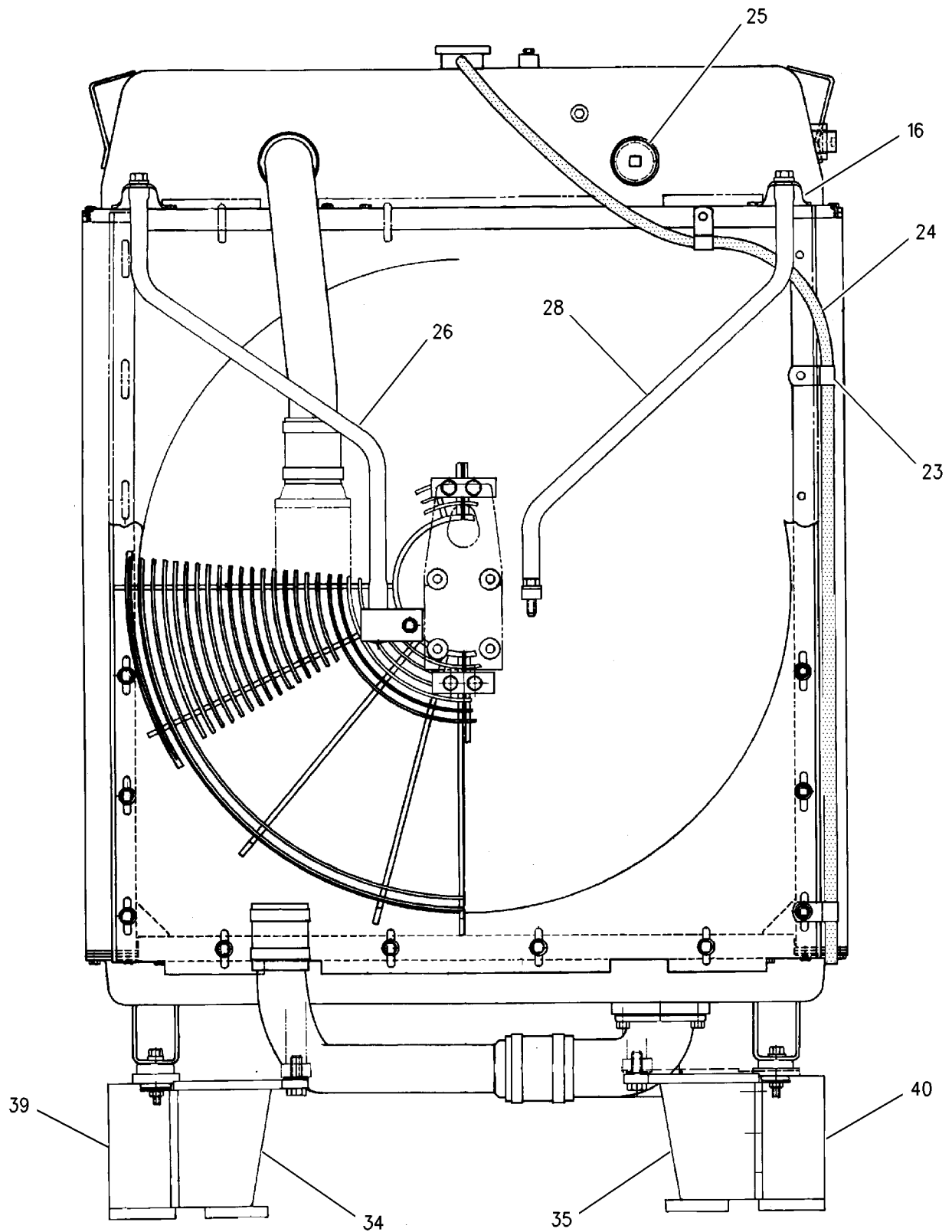
GRAPHIC #1

g00788766

COOLING SYSTEM

2W-9073 RADIATOR GP (contd.)

i03018342



GRAPHIC #2

<END>

g00788767

COOLING SYSTEM

8N-8838 RADIATOR GP*R

PART OF 2W-9073 RADIATOR GP
AN ATTACHMENT

SMCS-1353

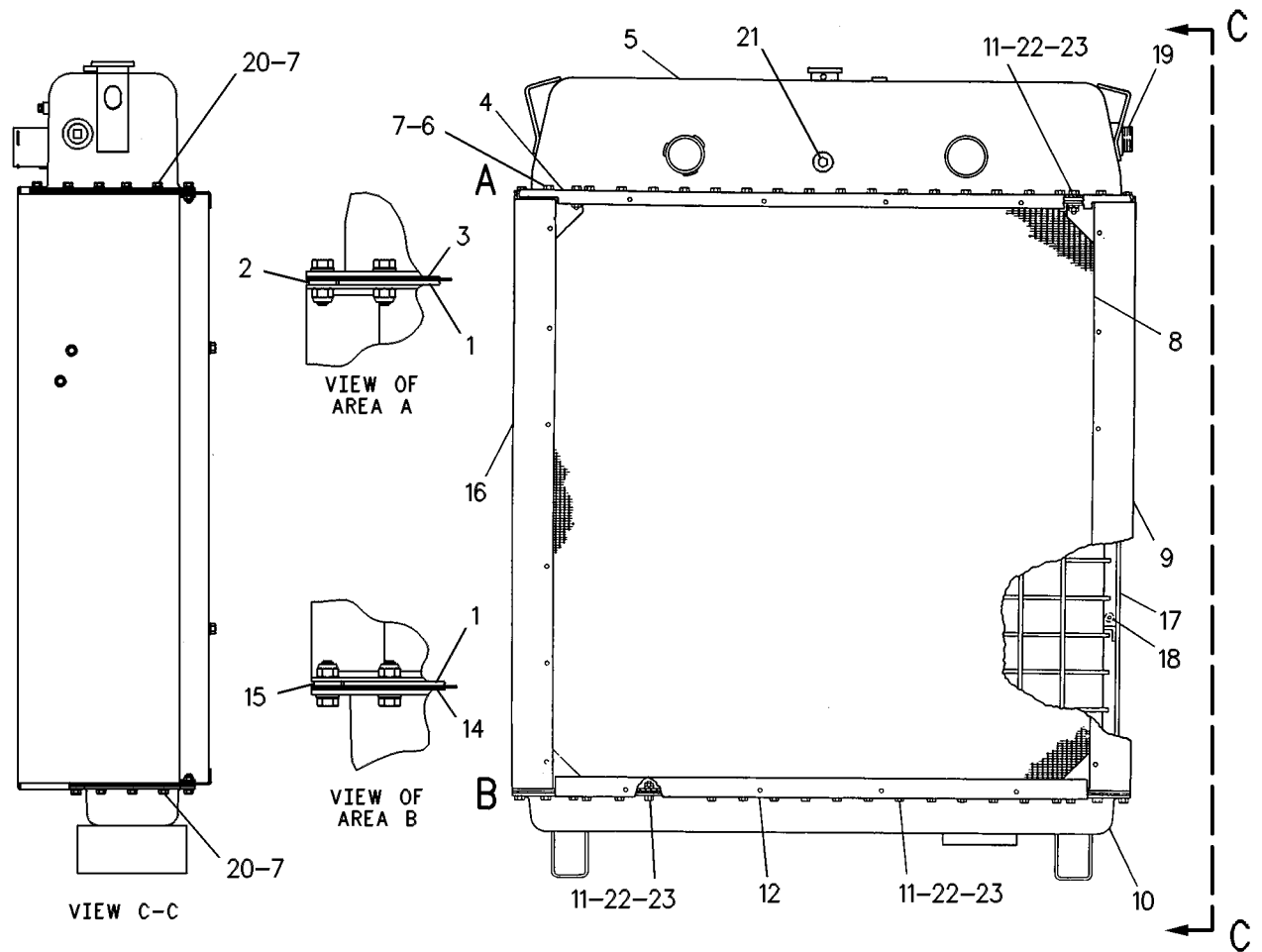
i02471214

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4N-8194	4	WASHER-CORE						
	2	1	4N-8192	2	PLATE AS						
	3	1	4N-8185	1	GASKET-TOP TANK						
	4	1	4N-8188	1	PLATE AS-RADIATOR TOP						
	5	1	8N-8837	1	TANK AS-RADIATOR TOP						
	6	1	1B-7182	12	BOLT (5/16-18X1.25-IN)						
	7	1	3B-4505	20	LOCKWASHER						
	8	1	117-3176	1	CORE AS-RADIATOR						
	9	1	8N-4876	1	PLATE AS (RH)						
	10	1	4N-8183	1	TANK AS-RADIATOR BOTTOM						
	11	1	0S-1618	76	BOLT (5/16-18X1-IN)						
	12	1	4N-8189	1	PLATE AS-RADIATOR BOTTOM						
	13	1	5P-4116	8	WASHER-HARD (8.8X20.5X2-MM THK)						
	14	1	4N-8184	1	GASKET						
	15	1	4N-8193	2	PLATE AS						
	16	1	8N-4875	1	PLATE AS (LH)						
	17	1	4N-5995	1	GUARD-RADIATOR						
	18	1	0L-1143	4	BOLT (3/8-16X2.5-IN)						
		1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	19	1	8T-6761	1	PLUG-PIPE						
	20	1	0S-1617	14	BOLT (5/16-18X0.75-IN)						
	21	1	8T-6765	1	PLUG-PIPE						
	22	1	9M-1974	82	WASHER-HARD (8.8X16X2-MM THK)						
	23	1	031-4155	82	LOCKNUT (5/16-18-THD)						

COOLING SYSTEM

8N-8838 RADIATOR GP (contd.)

i02471214



GRAPHIC #1

<END>

g00238213

COOLING SYSTEM

107-9346 RADIATOR GP AN ATTACHMENT

SMCS-1353

i02219788

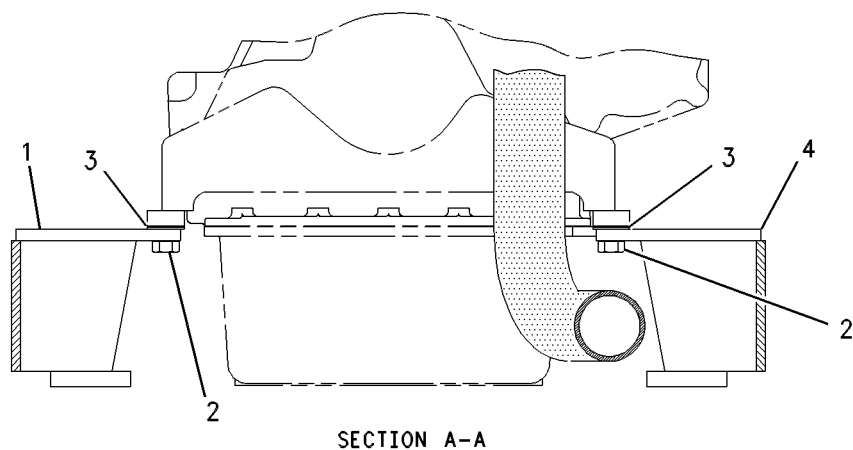
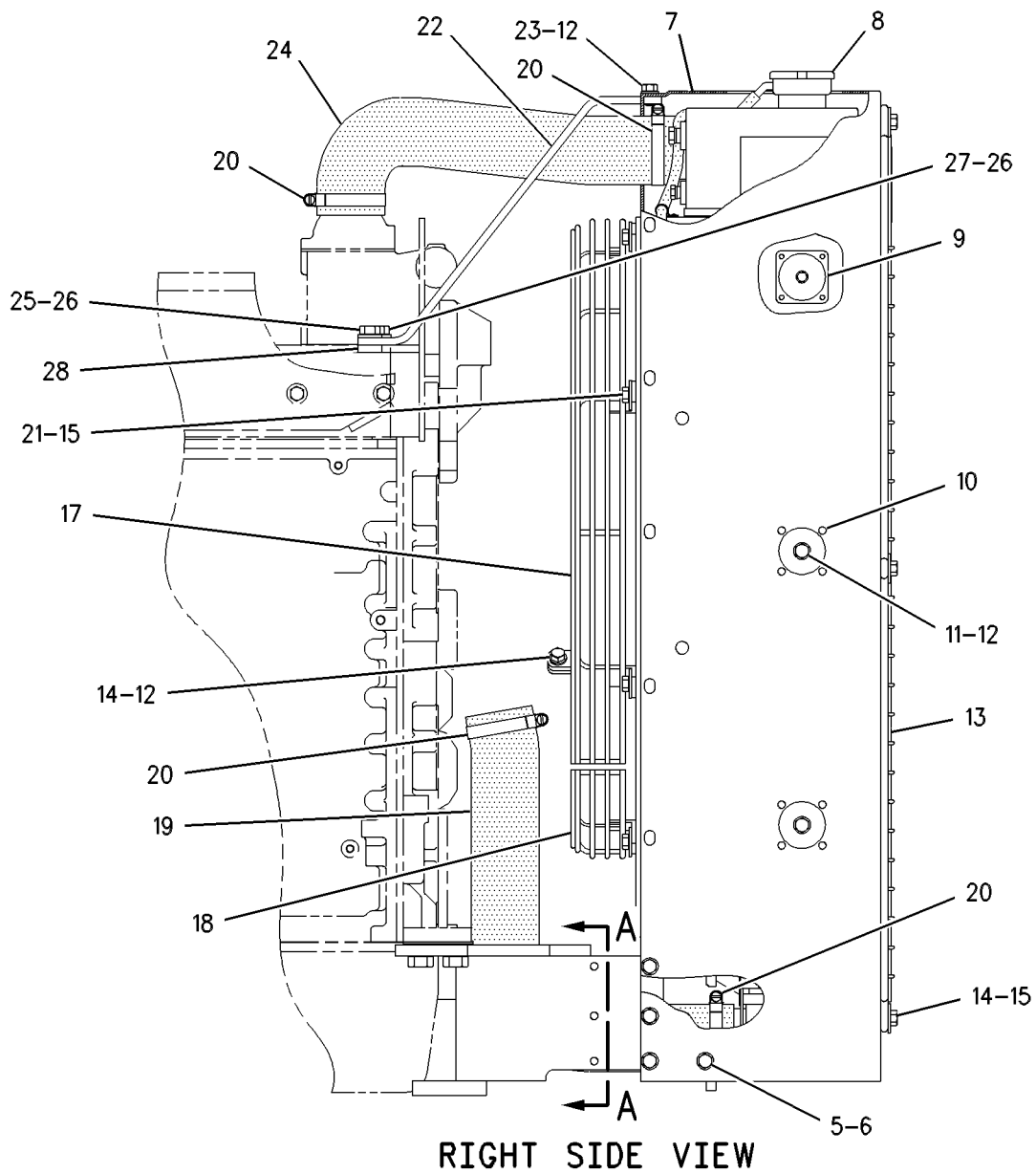
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4L-2921	1	SUPPORT AS	
	2	1	7X-0343	4	BOLT (5/8-11X1.25-IN)	
B	3	1	4L-7893	4	SHIM (0.598-IN THK)	
	4	1	4L-2922	1	SUPPORT AS	
B	5	1	5S-7379	8	BOLT (3/8-16X0.875-IN)	
B	6	1	8T-4896	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	8L-4495	1	SHELL AS-RADIATOR	
		1	1F-0750	12	NUT-WELD (3/8-16-THD)	
CY	8	1	133-9673	1	RADIATOR GP	116
	9	1	2L-4238	6	MOUNT-FLEXIBLE	
	10	1	9M-5733	24	RIVET-POP	
	11	1	7X-0288	6	BOLT (3/8-16X1.625-IN)	
	12	1	8T-4896	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	8L-4534	1	GUARD-RADIATOR	
	14	1	4L-6454	8	BOLT (3/8-16X1-IN)	
	15	1	7X-0578	14	WASHER-HARD (10.2X32X2.5-MM THK)	
	17	1	2W-5643	1	GUARD AS-FAN (UPPER)	
	18	1	8N-1633	1	GUARD AS-FAN (LOWER)	
		1	6N-8599	2	CLIP	
		1	1F-0750	2	NUT-WELD (3/8-16-THD)	
C	19	1	133-6518	1	HOSE-RADIATOR OUTLET	
C	20	1	9M-7959	4	CLAMP-HOSE	
	21	1	5M-3062	8	BOLT (3/8-16X0.75-IN)	
	22	1	107-9345	1	BRACE	
	23	1	5P-8167	2	BOLT (3/8-16X0.625-IN)	
	24	1	8N-5474	1	HOSE-ENGINE OUTLET	
	25	1	5P-2566	1	BOLT (1/2-13X1.5-IN)	
	26	1	8T-4223	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	27	1	8T-8917	1	BOLT (1/2-13X1.25-IN)	
	28	1	7N-2597	1	SPACER (13.5X25.4X8.08-MM THK)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

COOLING SYSTEM

107-9346 RADIATOR GP (contd.)

i02219788



GRAPHIC #1

<END>

g00631890

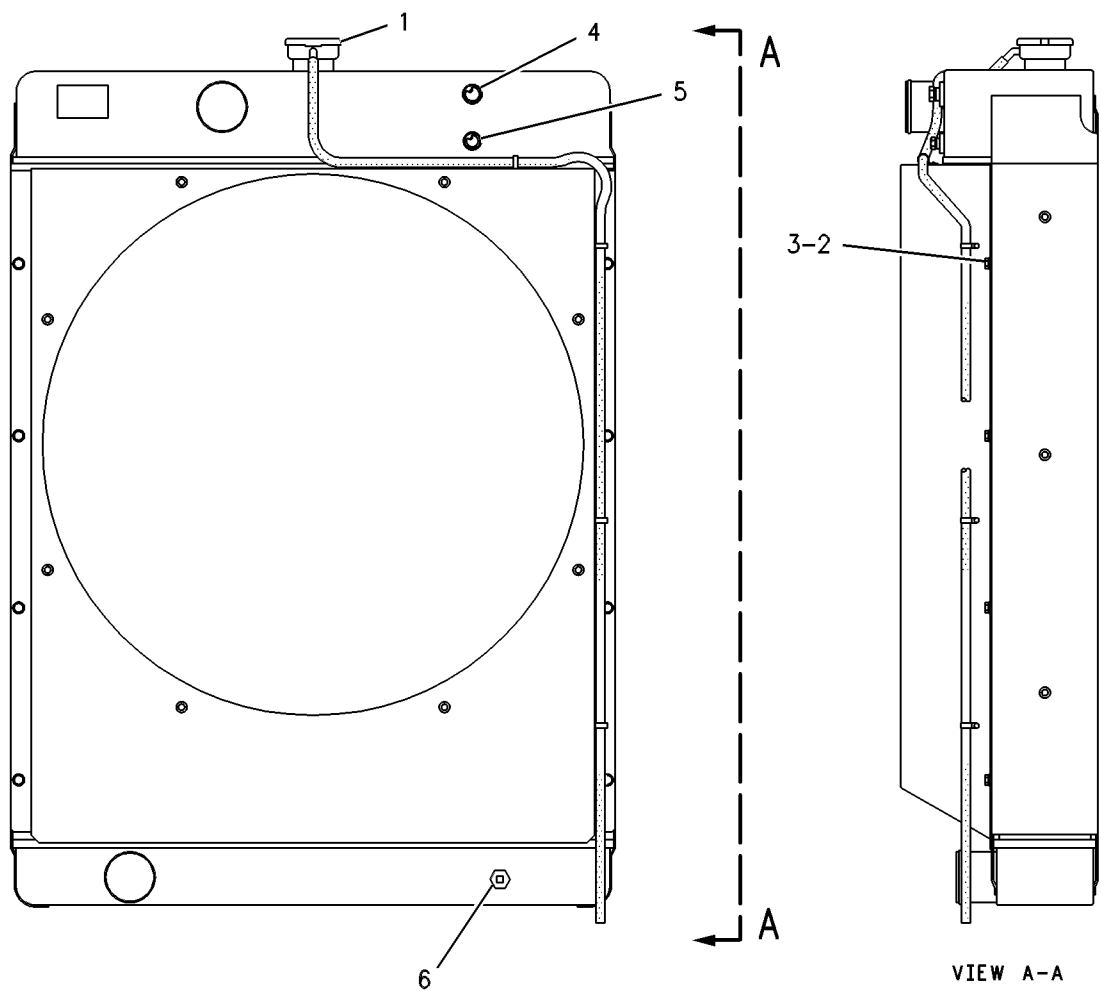
COOLING SYSTEM

133-9673 RADIATOR GP
PART OF 107-9346 RADIATOR GP
AN ATTACHMENT

SMCS-1353

i03018361

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-8617	1	CAP-PRESSURE (7-PSI) (RADIATOR)						
	2	1	5S-7349	8	BOLT (1/4-20X0.5-IN)						
	3	1	8T-4205	8	WASHER-HARD (7.2X14.5X2-MM THK)						
	4	1	8T-6767	1	PLUG-PIPE						
	5	1	8T-6765	1	PLUG-PIPE						
	6	1	7X-7732	1	PLUG-PIPE						



GRAPHIC #1

<END>

g00262497

COOLING SYSTEM

107-7286 TANK GP-EXPANSION AN ATTACHMENT

SMCS-1354

i03018354

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4L-7636	1	GASKET						
	2	1	8L-3934	1	NECK AS-FILLER						
		1	3L-5893	1	TUBE-OVERFLOW						
	3	1	6L-8617	1	CAP-PRESSURE (7-PSI) (EXPANSION TANK)						
	4	1	6L-8700	1	CLAMP						
E	5	1	5P-1420		HOSE (112CM)						
E	6	1	5P-1262		HOSE (11.4CM)						
	7	1	8S-9191	1	BOLT (3/8-16X4-IN)						
	8	1	0L-1143	2	BOLT (3/8-16X2.5-IN)						
	9	1	6N-4878	1	ELBOW						
	10	1	6L-5567	2	GASKET						
	11	1	5B-1345	2	CLIP						
	12	1	3N-4188	1	TANK AS-EXPANSION						
		1	5M-9679	6	BOSS						
		1	8B-0797	1	LUG						
		1	8M-3345	1	PLATE						
	13	1	108-1534	1	BRACKET AS-SUPPORT						
	14	1	5P-0537	6	WASHER-HARD (7.2X14.5X2-MM THK)						
	15	1	0S-1615	6	BOLT (1/4-20X0.75-IN)						
	16	1	174-7847	1	COVER						
	17	1	6L-6580	1	GASKET						
	18	1	5M-2894	8	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	19	1	0S-1594	2	BOLT (3/8-16X1-IN)						
B	20	1	3B-6552	1	ELBOW-PIPE (FOR USE WITH TA EXHAUST MAN.)						
	21	1	3N-1439	1	ELBOW						
	22	1	0T-0065	1	BOLT (3/8-16X3.5-IN)						
	23	1	7B-3235	4	BOLT (1/2-13X1.375-IN)						
	24	1	9X-8873	1	BOLT (1/2-13X2.25-IN)						
	25	1	5P-8245	5	WASHER-HARD (13.5X25.5X3-MM THK)						
E	26	1	5P-1262		HOSE (8CM)						
B	27	1	8T-6764	1	PLUG-PIPE (FOR USE WITH TA EXHAUST MAN.)						
	28	1	1A-2029	6	BOLT (3/8-16X1.125-IN)						
I	29	1	2D-9872	1	HOSE AS						
	30	1	8T-6765	2	PLUG-PIPE						
Y	31	1	3N-4924	1	COVER GP-EXPANSION TANK						78
B	32	1	4M-5317	1	BUSHING-REDUCING (FOR USE WITH TA EXHAUST MAN.)						
	33	1	9M-7959	4	CLAMP-HOSE						
	34	1	5P-4868	2	CLAMP-HOSE						
B	35	1	3B-6552	1	ELBOW-PIPE						
B	36	1	8B-1931	1	BUSHING-REDUCING						
B	37	1	8T-6765	1	PLUG-PIPE						
B	38	1	8L-5008	1	ELBOW-PIPE						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

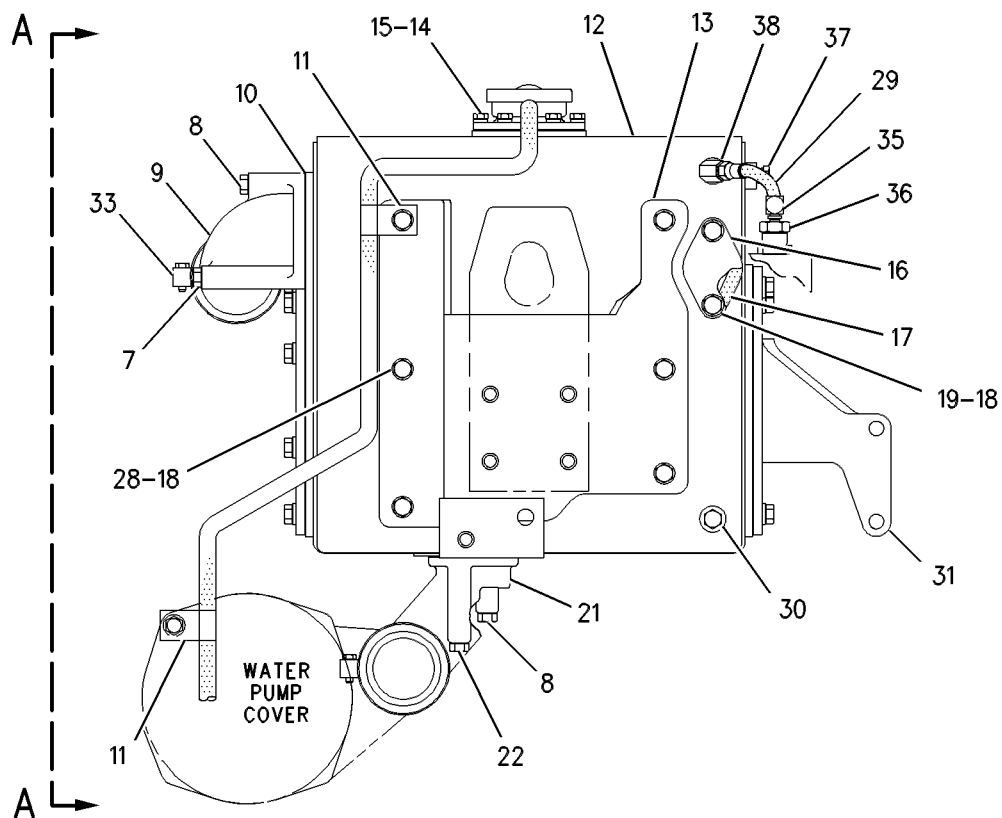
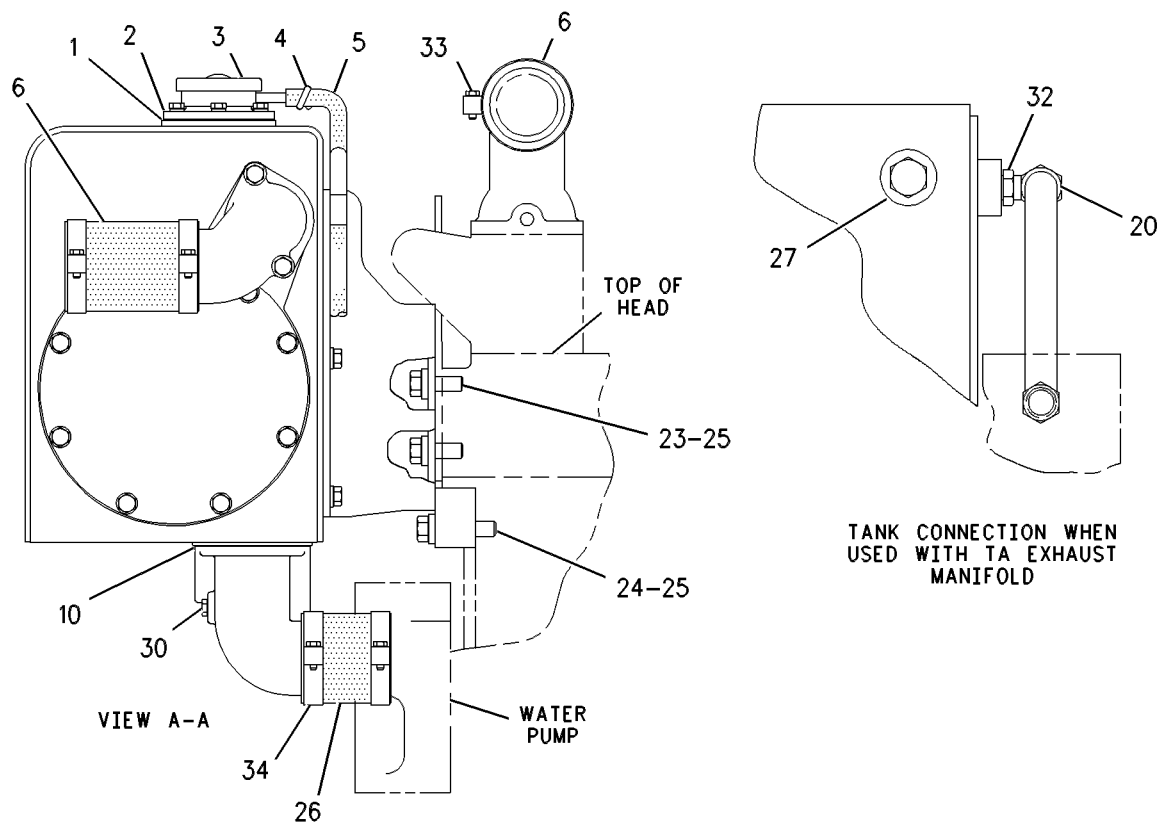
I-REFER TO HYDRAULIC INFORMATION SYSTEM

Y-SEPARATE ILLUSTRATION

COOLING SYSTEM

107-7286 TANK GP - EXPANSION (contd.)

i03018354



GRAPHIC #1

<END>

g00628669

AIR INLET AND EXHAUST SYSTEM

6N-3745 AFTERCOOLER GP-WATER

AN ATTACHMENT

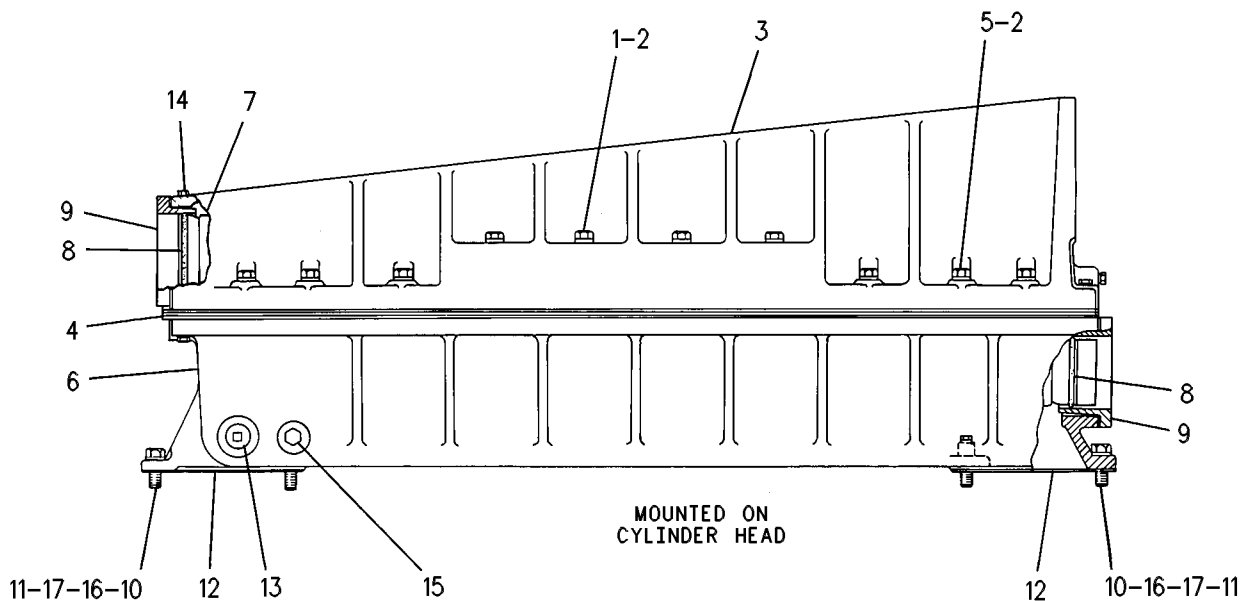
SMCS-1063

i01790293

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1D-4540	4	BOLT (5/16-18X2.75-IN)						
	2	1	9M-1974	24	WASHER-HARD (8.8X16X2-MM THK)						
	3	1	4N-9580	1	COVER-AFTERCOOLER HOUSING						
	4	1	9L-5908	2	GASKET						
C	5	1	1H-5514	20	BOLT (5/16-18X1.625-IN)						
	6	1	126-1688	1	HOUSING						
C	7	1	7W-0491	1	CORE AS-AFTERCOOLER						
	8	1	6L-1648	2	SEAL-O-RING						
	9	1	9L-5903	2	ADAPTER						
		1	2W-3679	2	GASKET						
BC	10	1	034-3557	8	BOLT-LOCKING (3/8-16X1.125-IN)						
BC	11	1	5M-2894	12	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	12	1	5S-6735	2	GASKET						
C	13	1	8T-6762	1	PLUG-PIPE (9.52 CF SQ HOLE)						
C	14	1	8T-6764	1	PLUG-PIPE						
C	15	1	8T-6765	1	PLUG-PIPE						
BC	16	1	031-0219	4	BOLT-LOCKING (3/8-16X1.75-IN)						
BC	17	1	4N-0205	4	SPACER (0.42X0.75X0.6-IN THK)						

B- USE AS REQUIRED

C- CHANGE FROM PREVIOUS TYPE



MOUNTED ON
CYLINDER HEAD

LEFT SIDE VIEW

GRAPHIC #1

<END>

g00266364

AIR INLET AND EXHAUST SYSTEM

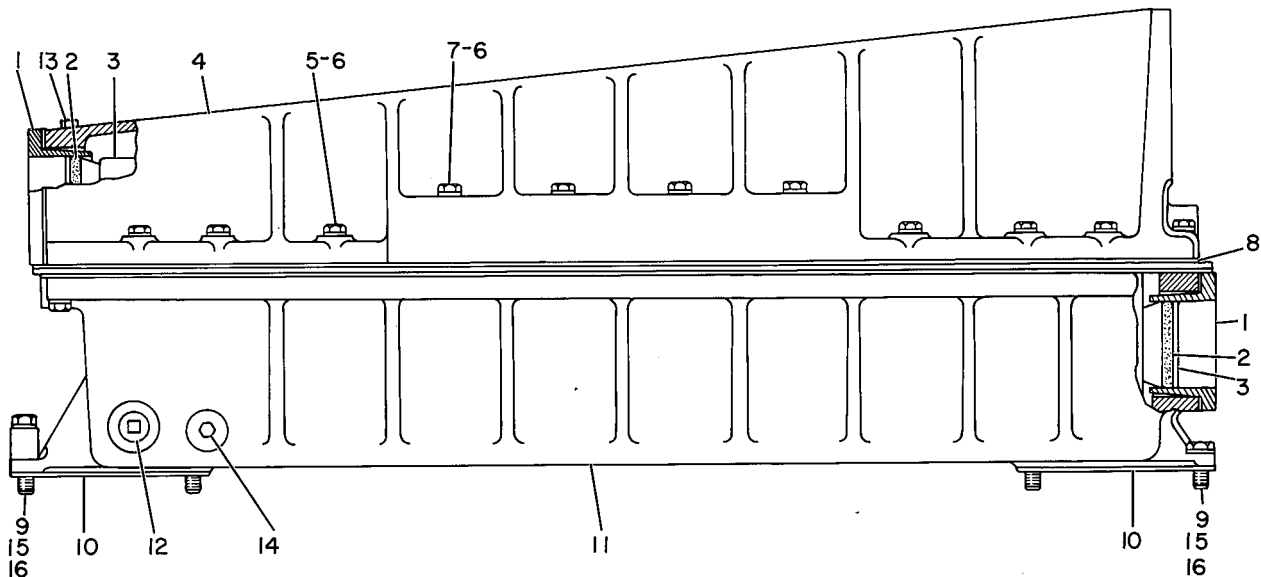
6N-5960 AFTERCOOLER GP-WATER AN ATTACHMENT

SMCS-1063

i01793934

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9L-5903	2	ADAPTER						
		1	2W-3679	2	GASKET						
	2	1	6L-1648	2	SEAL-O-RING						
C	3	1	7N-1101	1	CORE AS-AFTERCOOLER						
	4	1	4N-9580	1	COVER-AFTERCOOLER HOUSING						
C	5	1	1H-5514	20	BOLT (5/16-18X1.625-IN)						
	6	1	9M-1974	24	WASHER-HARD (8.8X16X2-MM THK)						
	7	1	1D-4540	4	BOLT (5/16-18X2.75-IN)						
	8	1	9L-5908	2	GASKET						
	9	1	034-3557	4	BOLT-LOCKING (3/8-16X1.125-IN)						
		1	031-0219	4	BOLT-LOCKING (3/8-16X1.75-IN)						
	10	1	5S-6735	2	GASKET						
	11	1	126-1688	1	HOUSING						
	12	1	8T-6762	1	PLUG-PIPE						
	13	1	8T-6764	1	PLUG-PIPE						
	14	1	8T-6765	1	PLUG-PIPE						
	15	1	5M-2894	12	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	16	1	4N-0205	4	SPACER (0.42X0.75X0.6-IN THK)						

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00159830

AIR INLET AND EXHAUST SYSTEM

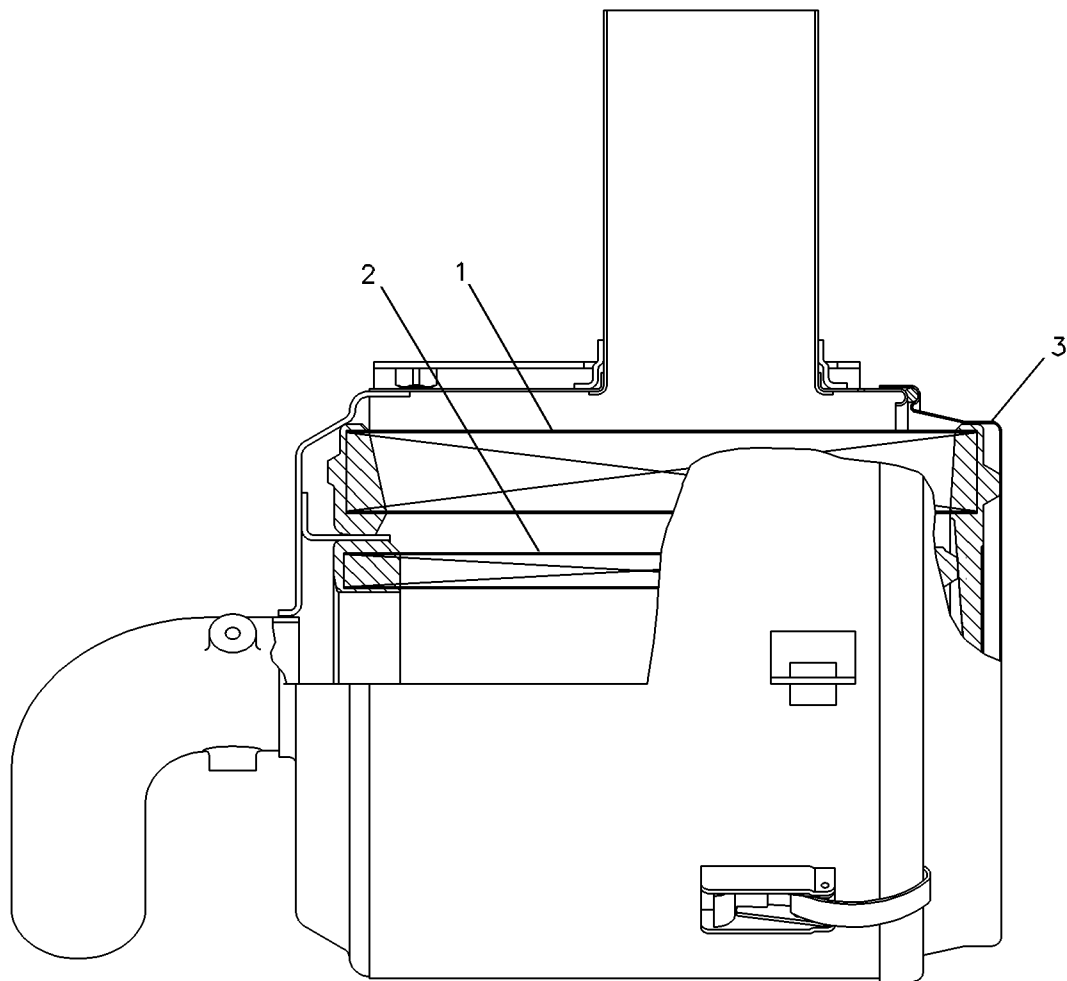
6I-2551 AIR CLEANER GP

PART OF 117-4033 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054

i00536816

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-2499	1	FILTER ELEMENT AS-AIR (PRIMARY)						
	2	1	6I-2500	1	FILTER ELEMENT AS-AIR (SECONDARY)						
	3	1	6I-4466	1	COVER AS-AIR CLEANER						



GRAPHIC #1

<END>

g00108441

AIR INLET AND EXHAUST SYSTEM

117-4027 AIR CLEANER GP AN ATTACHMENT

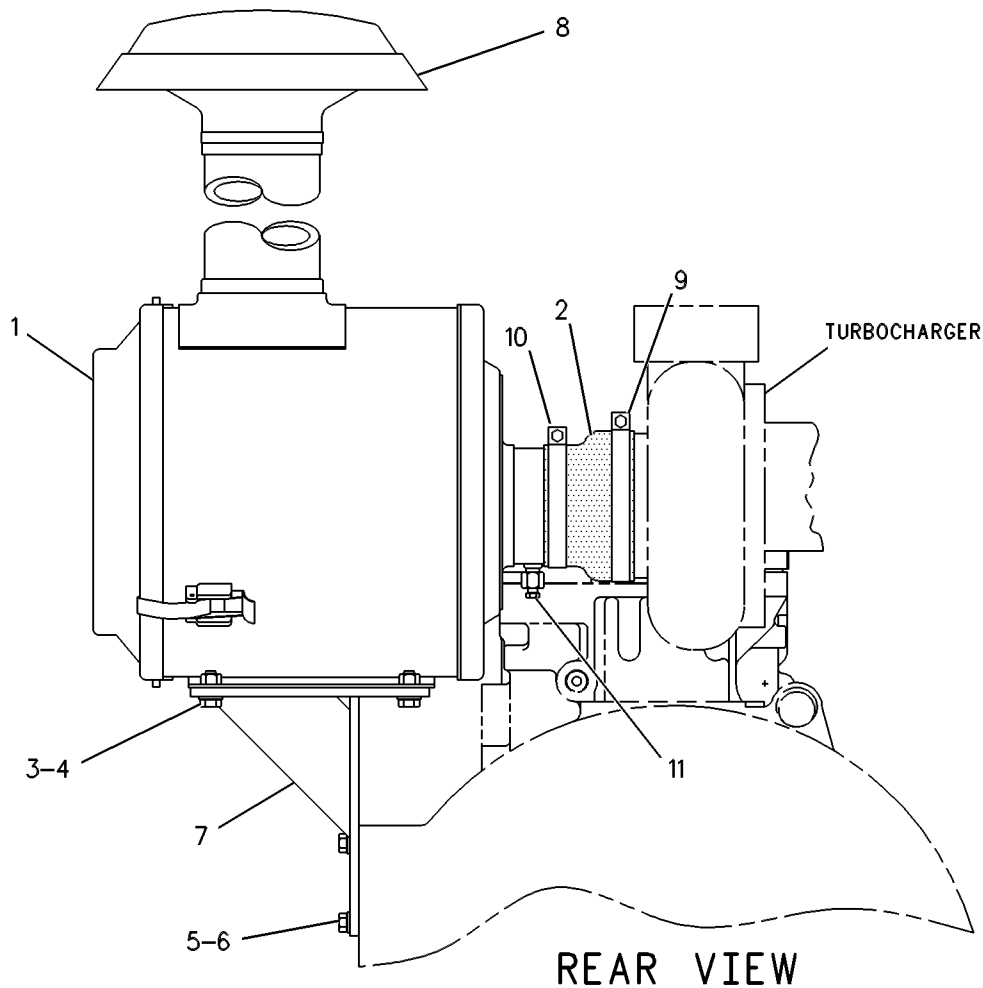
SMCS-1051, 1054

i01790044

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	117-4028	1	AIR CLEANER GP	123
	2	1	117-4029	1	HOSE-REDUCER	
M	3	1	6V-4248	4	BOLT (M10X1.5X25-MM)	
	4	1	6V-5839	4	WASHER (11X21X2.5-MM THK)	
	5	1	0S-1594	3	BOLT (3/8-16X1-IN)	
	6	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	117-4030	1	BRACKET AS	
Y	8	1	3F-0539	1	CAP-AIR CLEANER	131
	9	1	5P-0599	1	CLAMP-BAND	
	10	1	8T-6726	1	CLAMP-HOSE	
	11	1	8T-6764	1	PLUG-PIPE	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00248260

AIR INLET AND EXHAUST SYSTEM

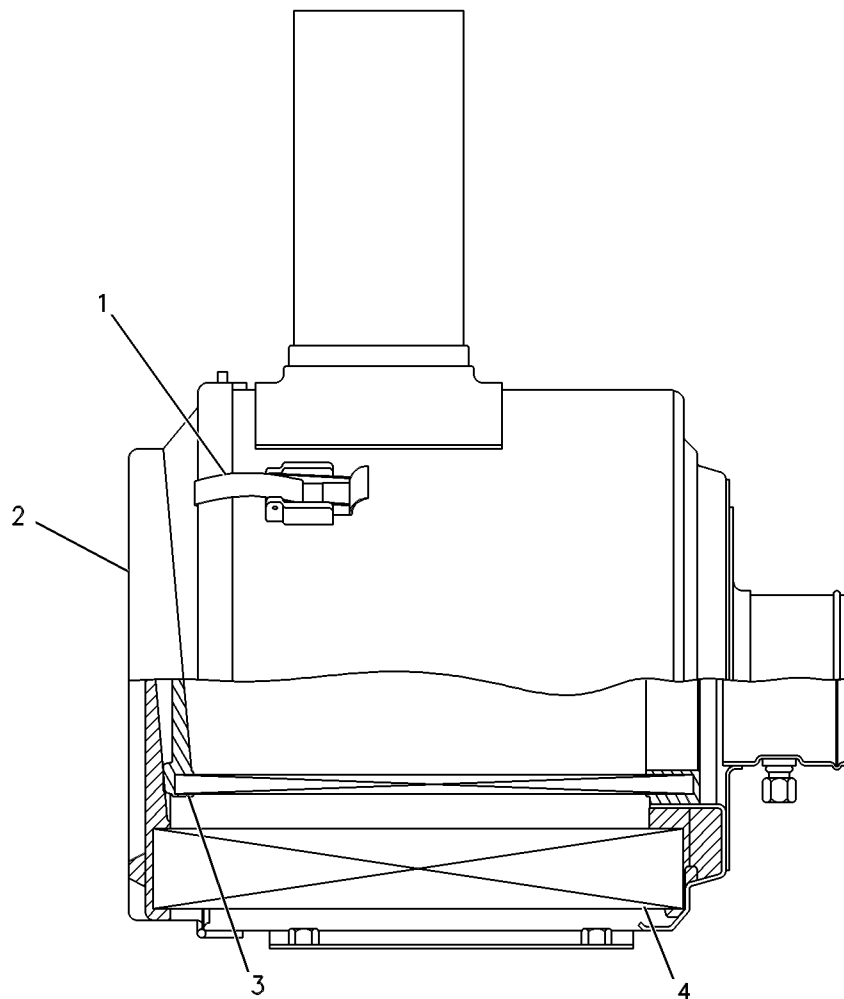
117-4028 AIR CLEANER GP

PART OF 117-4027 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054

i00907204

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8N-4617	2	KIT-AIR CLEANER CLAMP						
	2	1	6I-4464	1	COVER AS-AIR CLEANER						
		1	4P-5524	1	SEAL-O-RING						
	3	1	6I-2502	1	FILTER ELEMENT AS-AIR (SECONDARY)						
	4	1	6I-2501	1	FILTER ELEMENT AS-AIR (PRIMARY, STANDARD EFFICIENCY)						



GRAPHIC #1

<END>

g00248324

AIR INLET AND EXHAUST SYSTEM

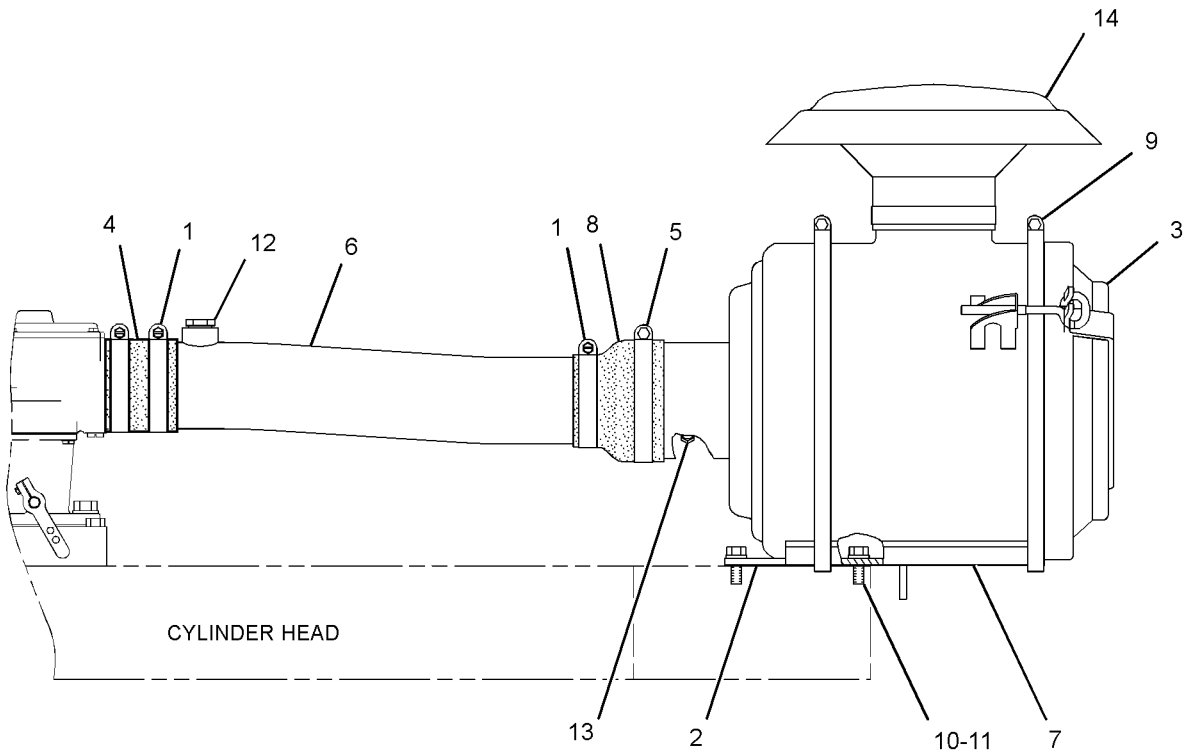
117-4033 AIR CLEANER GP AN ATTACHMENT

SMCS-1051, 1054

i02476947

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3E-7404	3	CLAMP-HOSE						
	2	1	5S-6735	1	GASKET						
Y	3	1	6I-2551	1	AIR CLEANER GP						121
	4	1	8N-3949	1	HOSE						
	5	1	8T-6726	1	CLAMP-HOSE						
	6	1	117-4034	1	TUBE AS						
	7	1	117-4035	1	BRACKET AS						
	8	1	117-4036	1	HOSE-REDUCER						
	9	1	285-3714	2	CLAMP-HOSE						
	10	1	0S-1594	4	BOLT (3/8-16X1-IN)						
	11	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	12	1	7W-6492	1	PLUG-PIPE						
	13	1	8T-6764	1	PLUG-PIPE						
	14	1	3F-0539	1	CAP-AIR CLEANER						

Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01266484

AIR INLET AND EXHAUST SYSTEM

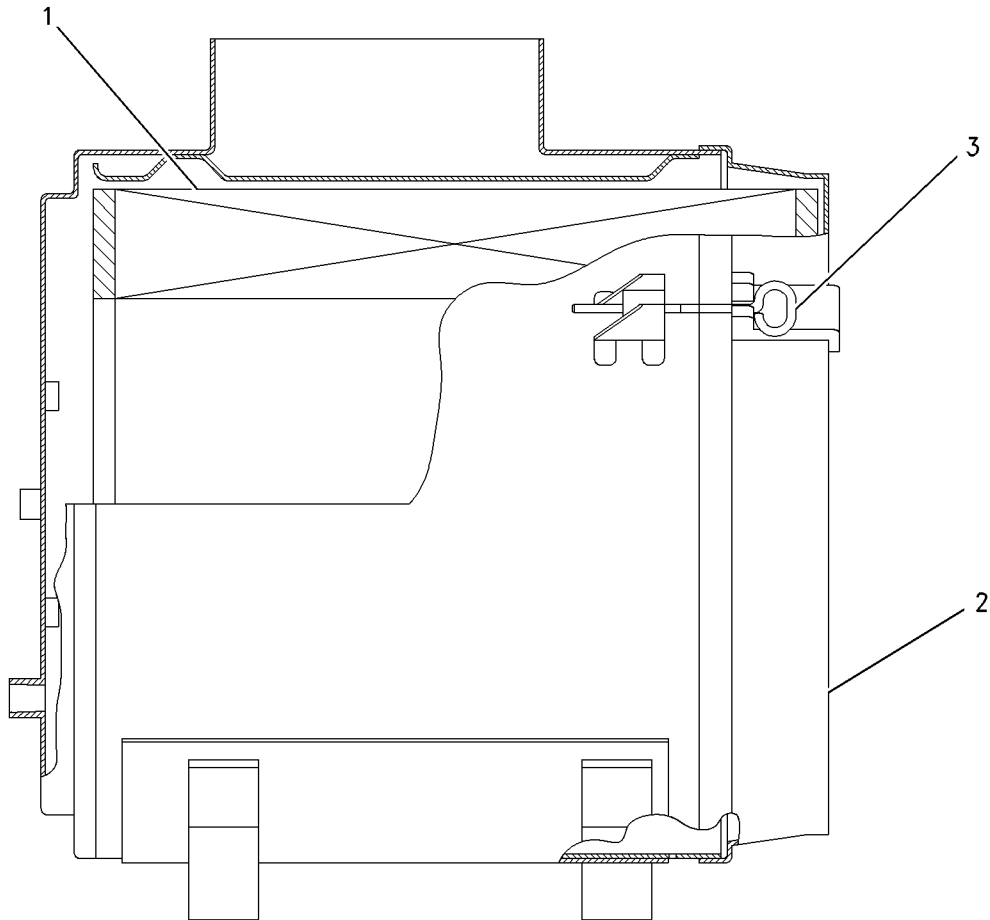
130-3954 AIR CLEANER GP

PART OF 132-1166 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054

i02780274

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-5495	1	FILTER ELEMENT AS-AIR (PRIMARY)						
	2	1	9Y-7773	1	CUP AS-AIR CLEANER						
		1	4P-5524	1	SEAL-O-RING						
	3	1	7S-3131	2	ROD AS						



GRAPHIC #1

<END>

g00659430

AIR INLET AND EXHAUST SYSTEM

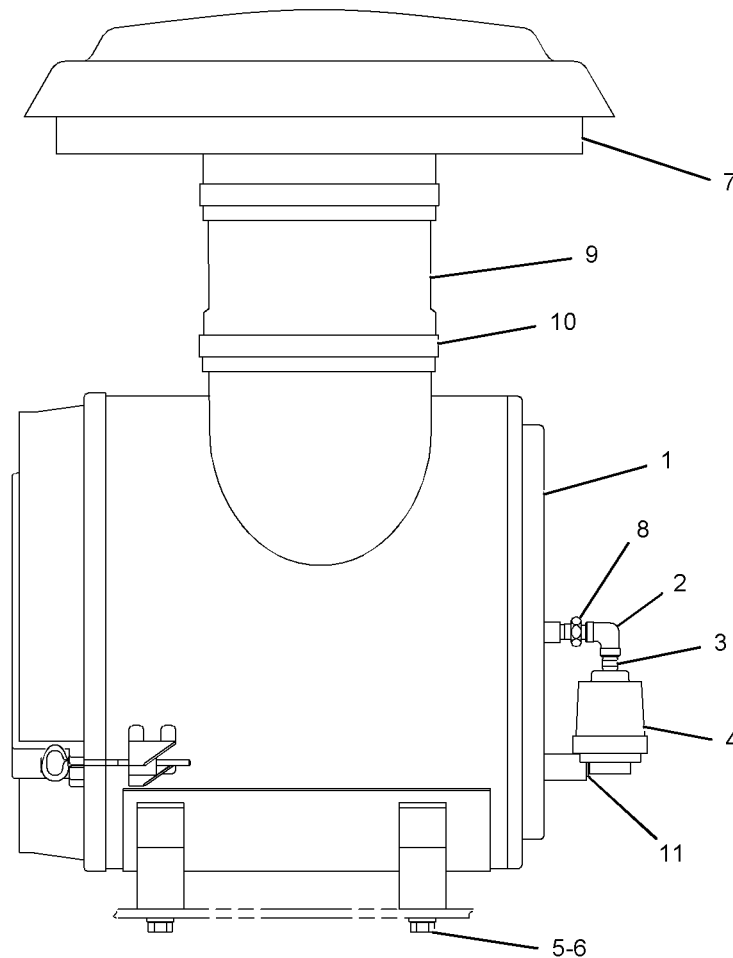
132-1166 AIR CLEANER GP AN ATTACHMENT

SMCS-1051, 1054

i02279188

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	130-3954	1	AIR CLEANER GP	125
	2	1	8B-4884	1	ELBOW	
	3	1	5H-7826	1	NIPPLE-PIPE	
	4	1	4W-5820	1	INDICATOR-AIR FILTER CHANGE	
	5	1	0S-1588	4	BOLT (3/8-16X1.25-IN)	
	6	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	1S-9937	1	CAP AS-AIR CLEANER	
	8	1	5L-3233	1	FITTING	
	9	1	6L-6790	1	TUBE-EXTENSION	
	10	1	5P-3860	1	CLAMP-HOSE	
	11	1	8T-6763	1	PLUG-PIPE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01107684

AIR INLET AND EXHAUST SYSTEM

142-7566 BYPASS GP - EXHAUST

PART OF 130-3953 TURBOCHARGER GP
AN ATTACHMENT

SMCS-1057

i02989419

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	7S-7812	1	BASE AS						
	7C-9044	1	COVER AS						
	113-1572	1	DIAPHRAGM						
	3S-5849	2	GASKET						
	7S-7816	1	LOCKNUT						
	3B-4504	5	LOCKWASHER						
	1B-2578	1	NUT (3/8-16-THD)						
	7S-7814	1	PLATE-RETAINER						
	3B-0645	1	PLUG-CUP						
	4P-2443	1	RETAINER						
	7S-7815	1	RETAINER-DIAPHRAGM						
	320-8921	1	SETSCREW (3/8-16X2.5-IN)						
M	7C-9721	5	SCREW-MACHINE (1/4-20X2.5-IN)						
	2S-4651	1	SHIELD-HEAT						
	7C-6942	1	SPRING						
	7S-7811	1	VALVE						
	4B-4277	1	WASHER (8.8X17.5X1.6-MM THK)						
M-METRIC PART									
<END>									

AIR INLET AND EXHAUST SYSTEM

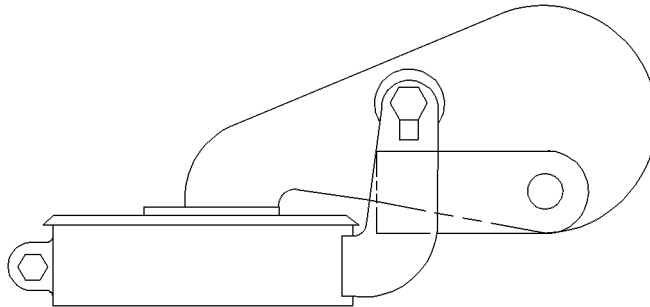
7S-4994 CAP AS-RAIN

FOR USE WITH 4 INCH DIAMETER EXHAUST SYSTEM
AN ATTACHMENT

SMCS-1072

i01791051

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00281446

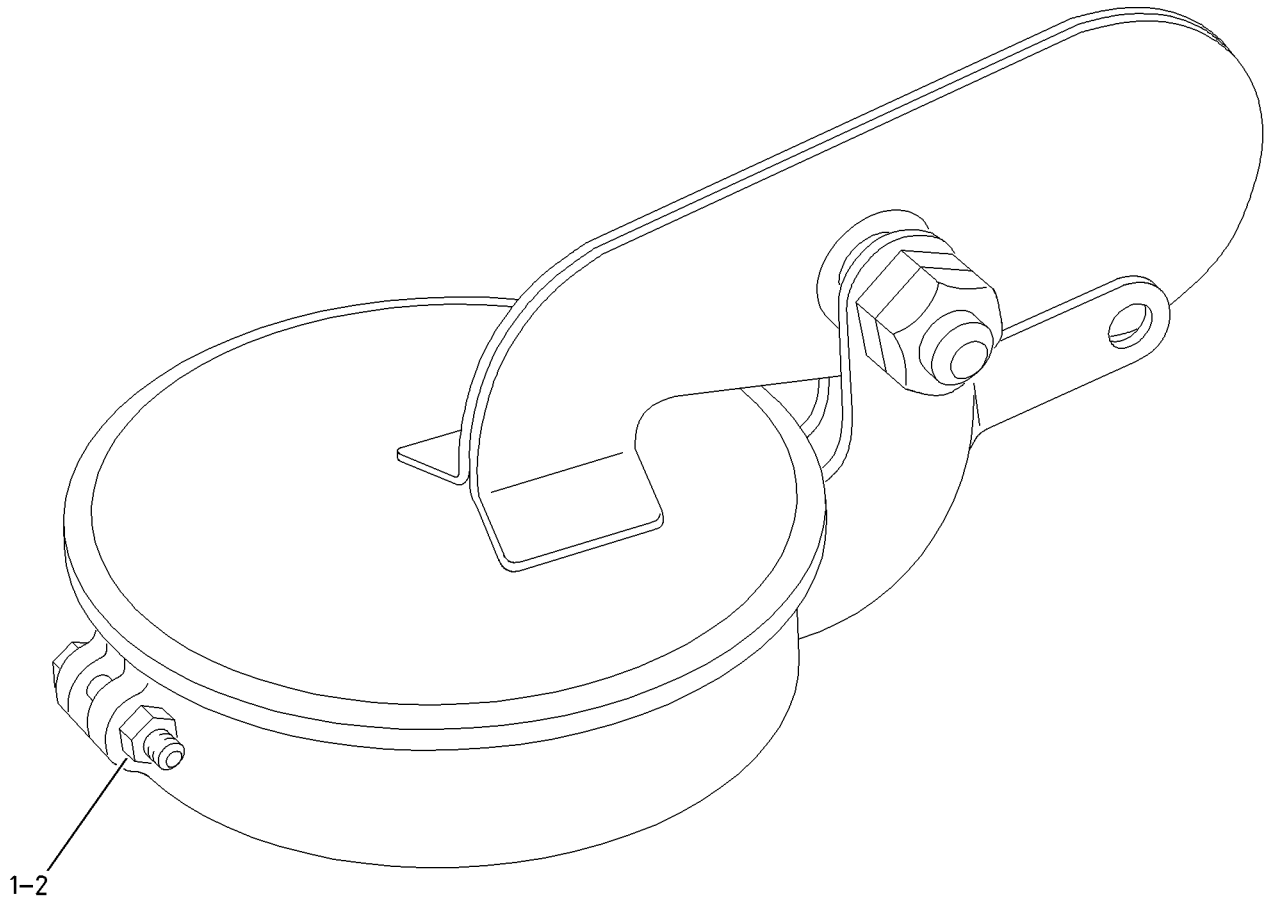
AIR INLET AND EXHAUST SYSTEM

9S-7148 CAP AS-RAIN-EXHAUST PIPE 5 TO 5-3/16 INCH DIAMETER, 10-1/4 INCH OVERALL LENGTH FOR USE WITH MUFFLER OR EXHAUST PIPE AN ATTACHMENT

SMCS-1072

i02332449

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1B-2713	1	BOLT (1/4-20X1.75-IN)						
	2	1	9S-8750	1	NUT-FULL (1/4-20-THD)						



GRAPHIC #1

<END>

g00791291

AIR INLET AND EXHAUST SYSTEM

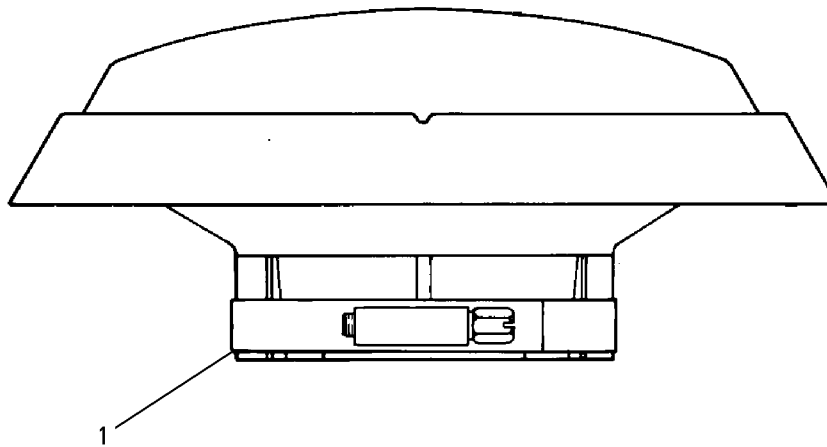
5L - 8091 CAP GP - AIR CLEANER

CANNOT BE USED WITH INLET SCREEN
AN ATTACHMENT

SMCS-1051

i01791053

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	5P-0599	1	CLAMP-BAND						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00917611

AIR INLET AND EXHAUST SYSTEM

3F-0539 CAP-AIR CLEANER

NOT REQUIRED WHEN PRECLEANER IS USED WITH 5N9336

PART OF 117-4027 AIR CLEANER GP

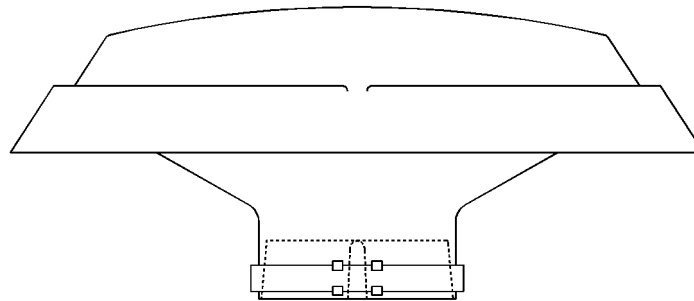
FOR USE WITH HEAVY DUTY AIR CLEANER

AN ATTACHMENT

SMCS-1051

i01790119

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00197370

AIR INLET AND EXHAUST SYSTEM

1W-9759 CARTRIDGE GP - TURBOCHARGER*R

PART OF 1W-9757 TURBOCHARGER GP
AN ATTACHMENT

SMCS - 1053

i01790089

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-9563	1	HOUSING AS-BEARING						
		1	5S-5199	1	PIN-GROOVED						
		1	7W-2375	1	BUSHING- TERMINAL						
J	2	1	5S-4554	1	SEAL-O-RING						
	3	1	4N-7597	1	BEARING AS						
	4	1	4N-7609	1	RING-THRUST						
J	5	1	5S-4551	1	SLEEVE-OIL CONTROL						
R	6	1	8S-4989	1	WHEEL AS						
J	7	1	7N-2856	1	RING-SEAL						
	8	1	5S-4557	2	BEARING						
A		1	4N-5280	1	KIT-BEARING (.010 OS OD)						
A		1	7N-2497	1	KIT-BEARING (.020 OS OD)						
J	9	1	4M-6983	4	RING-RETAINING						
	10	1	5S-4547	1	SLEEVE-SPACER						
	11	1	5S-4549	1	DEFLECTOR-OIL						
J	12	1	5P-5757	1	SEAL-O-RING						
	13	1	5S-4546	1	RING-RETAINING						
J	14	1	4M-8013	2	RING-PISTON						
	15	1	7N-8547	1	WHEEL -COMPRESSOR						
	16	1	7N-0239	1	NUT -TURBO COMPRESSOR						
	17	1	8S-9222	1	SLEEVE						
	18	1	5S-4556	1	INSERT						
AVAILABLE REPAIR KIT(S) :											
J			2W-0725	1	KIT-CARTRIDGE						

A - NOT PART OF THIS GROUP

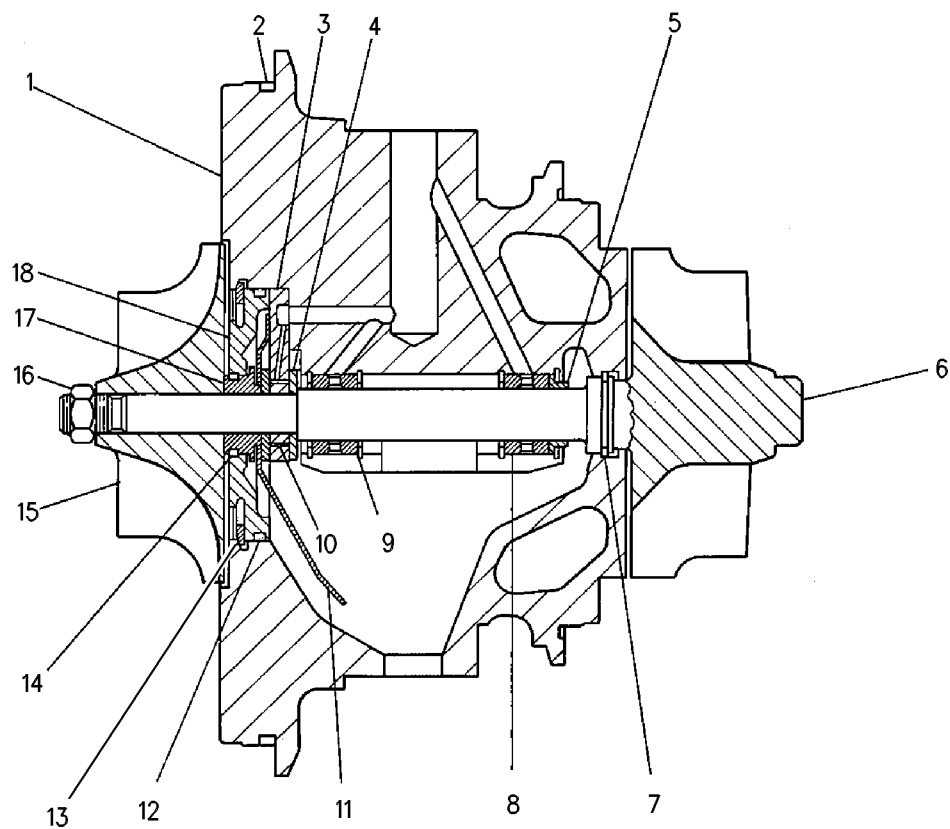
J - KIT MARKED J INCLUDES PARTS MARKED J

R - REMFG PART MAY BE AVAILABLE

AIR INLET AND EXHAUST SYSTEM

1W-9759 CARTRIDGE GP - TURBOCHARGER (contd.)

i01790089



GRAPHIC #1

<END>

g00474162

AIR INLET AND EXHAUST SYSTEM

5L - 7661 ELBOW GP - EXHAUST

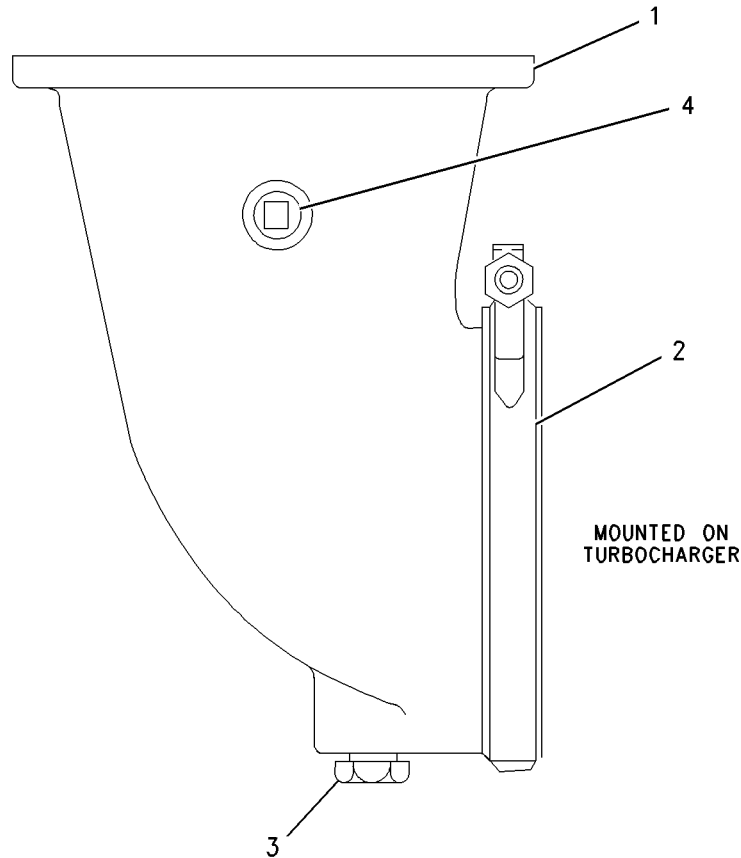
127-MM (5-INCH)

FOR USE WITH 5-INCH DIAMETER EXHAUST SYSTEM
AN ATTACHMENT

SMCS - 1061

i02345025

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5L - 7634	1	ELBOW - EXHAUST						
	2	1	5L - 7631	1	CLAMP						
	3	1	9B - 0887	1	PLUG - PIPE (3/8-18 NPTF)						
	4	1	5B - 7890	1	PLUG - PIPE (1/4-18 NPTF)						



GRAPHIC #1

<END>

g00738628

AIR INLET AND EXHAUST SYSTEM

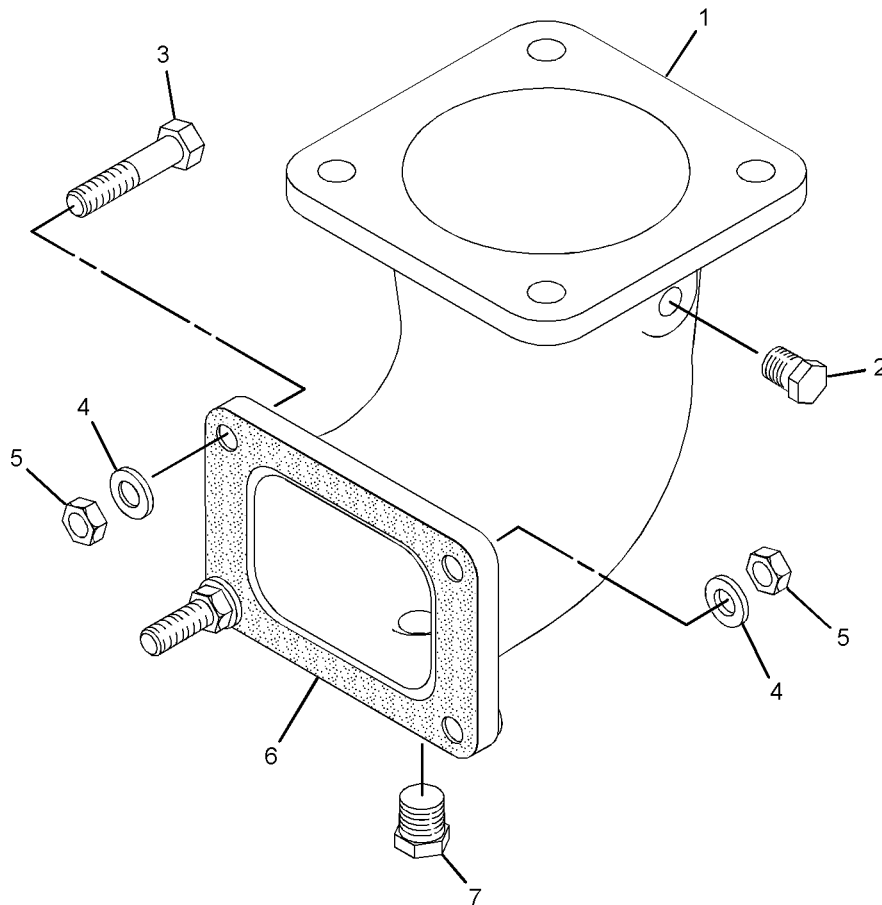
7L - 0369 ELBOW GP - EXHAUST

CANNOT BE USED WITH DRY MANIFOLD
AN ATTACHMENT

SMCS - 1061

i03007646

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L - 7897	1	ELBOW - EXHAUST						
	2	1	5B - 7890	1	PLUG - PIPE						
	3	1	3H - 6623	2	BOLT (3/8-16X2.25-IN)						
	4	1	0T - 0431	4	WASHER (10.3X19X2.5-MM THK)						
	5	1	8M - 2296	4	NUT - FULL (3/8-16-THD)						
	6	1	7M - 7273	1	GASKET						
	7	1	9B - 0887	1	PLUG - PIPE						



GRAPHIC #1

<END>

g01524225

AIR INLET AND EXHAUST SYSTEM

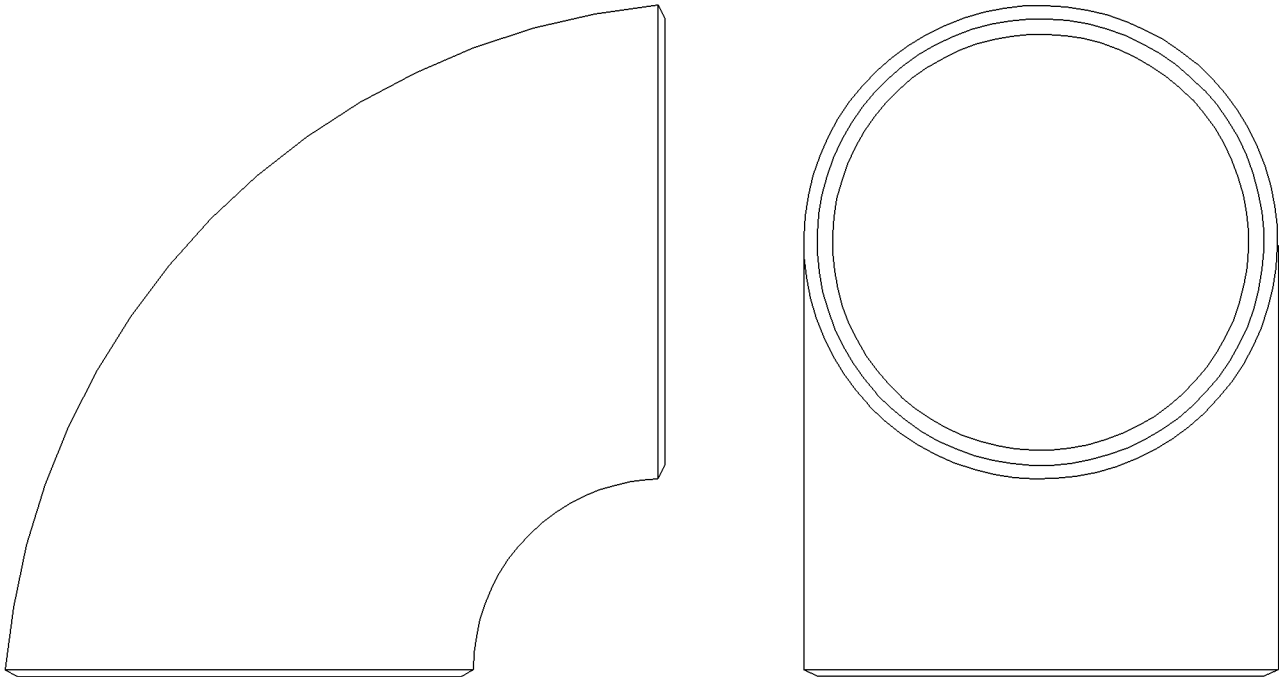
1L - 1508 ELBOW-EXHAUST

3 INCH ID, 90 DEGREES, LONG RADIUS
AN ATTACHMENT

SMCS-1061

i01492255

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00648631

AIR INLET AND EXHAUST SYSTEM

2N-9263 ELBOW-EXHAUST

127-MM (5-INCH), 90-DEGREE BEND

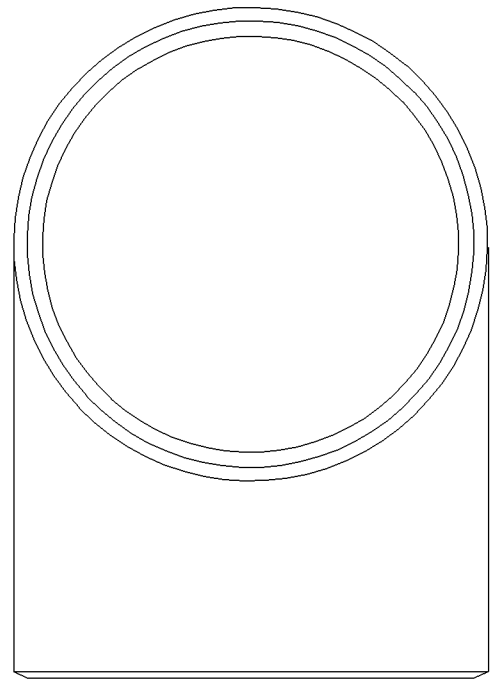
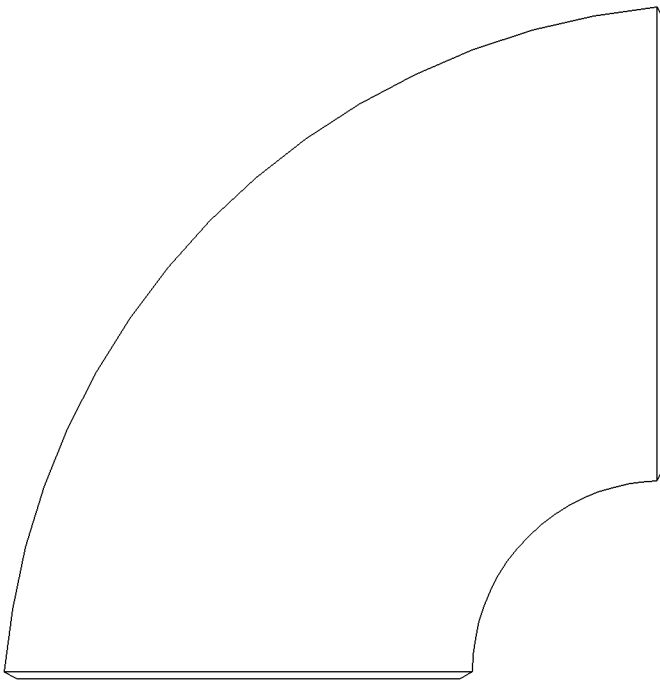
FOR USE WITH 5L-7661-PAGE 134

AN ATTACHMENT

SMCS-1061

i01376091

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00648631

AIR INLET AND EXHAUST SYSTEM

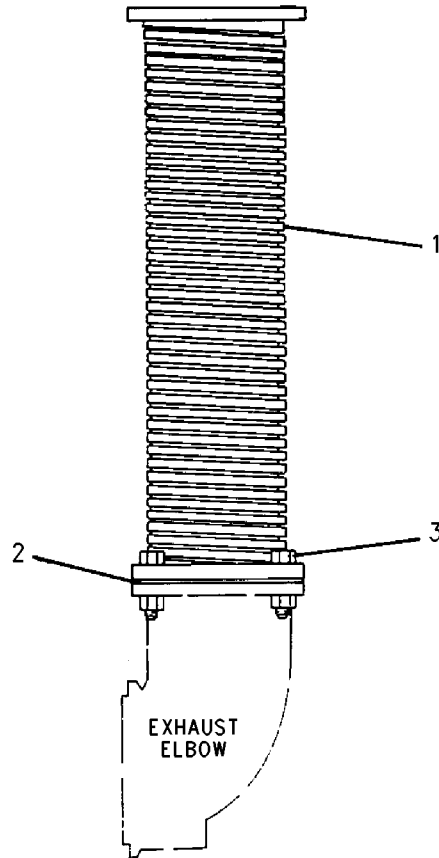
2W-7845 FITTING GP-EXHAUST

101.6 MM (4 INCH) . FLEXIBLE
AN ATTACHMENT

SMCS-1061

i01791056

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3N-3013	1	ADAPTER AS	
	2	1	6L-4716	1	GASKET-FLANGE	
	3	1	1A-1460	4	BOLT (1/2-13X2-IN)	
		1	1B-5357	4	NUT-FULL (1/2-13-THD)	
		1	5P-8245	8	WASHER-HARD (13.5X25.5X3-MM THK)	



GRAPHIC #1

<END>

g00917697

AIR INLET AND EXHAUST SYSTEM

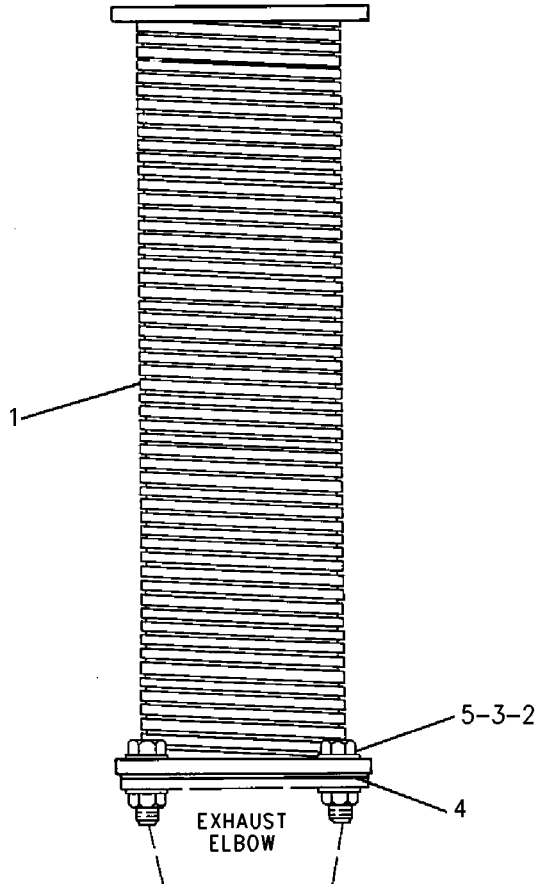
2W-7846 FITTING GP-EXHAUST

127 MM (5 INCH) . FLEXIBLE
AN ATTACHMENT

SMCS-1061

i02459981

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-3015	1	ADAPTER AS (FLEXIBLE)						
		1	5N-4741	2	FLANGE						
		1	5N-4742	1	HOSE-EXHAUST						
	2	1	5P-8247	8	WASHER-HARD (17X32X3.5-MM THK)						
	3	1	1B-5358	4	NUT-FULL (5/8-11-THD)						
	4	1	5L-8484	1	GASKET						
	5	1	8S-9092	4	BOLT (5/8-11X2.25-IN)						



GRAPHIC #1

<END>

g00657424

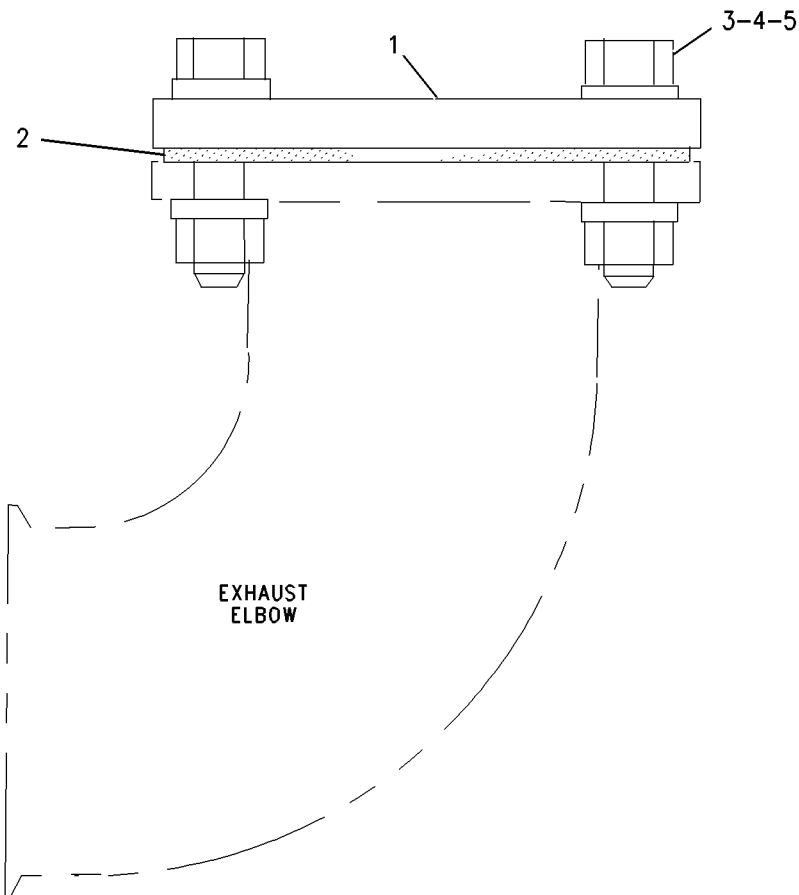
AIR INLET AND EXHAUST SYSTEM

1W-8823 FLANGE GP-EXHAUST WELDABLE TO 101.6MM (4 INCH) AMERICAN STD. PIPE AN ATTACHMENT

SMCS-1061

i01611198

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	5N-4737	1	FLANGE						
C	2	1	6L-4716	1	GASKET - FLANGE						
	3	1	1A-1460	4	BOLT (1/2-13X2 IN)						
	4	1	1F-7958	4	NUT - FULL (1/2-13 THD)						
	5	1	2M-0849	8	WASHER - HARD (13.5X25.5X5MM THK)						
C- CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00833946

AIR INLET AND EXHAUST SYSTEM

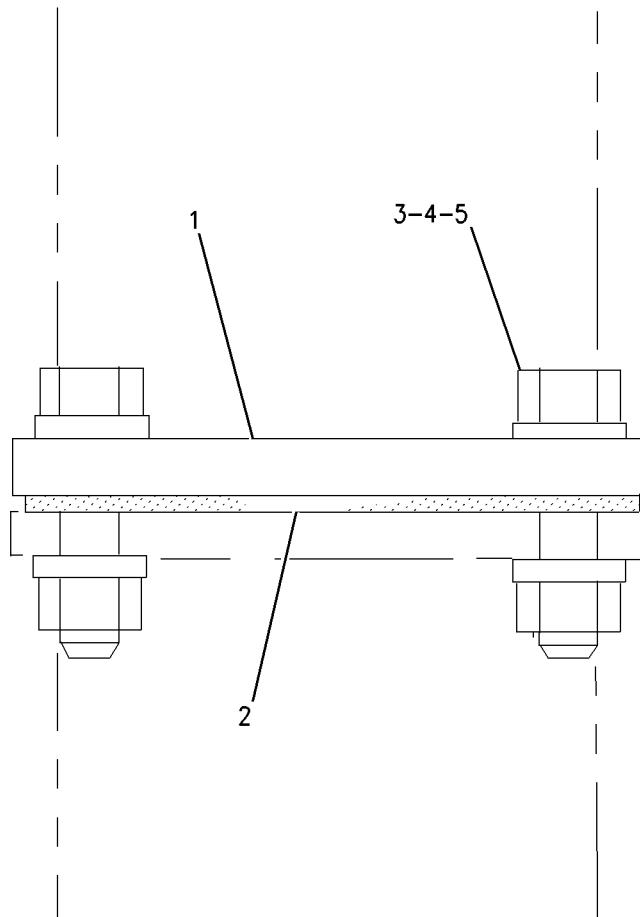
2W-7850 FLANGE GP-EXHAUST

127 MM (5 INCH) DIAMETER PIPE
FOR USE WITH 2N-9263—PAGE 137
AN ATTACHMENT

SMCS-1061

i02544109

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5N-4741	1	FLANGE						
	2	1	5L-8484	1	GASKET						
	3	1	202-9008	4	BOLT (5/8-11X2-IN)						
	4	1	1B-5358	4	NUT-FULL (5/8-11-THD)						
	5	1	8T-4122	8	WASHER-HARD (17X32X3.5-MM THK)						



GRAPHIC #1

<END>

g00783319

AIR INLET AND EXHAUST SYSTEM

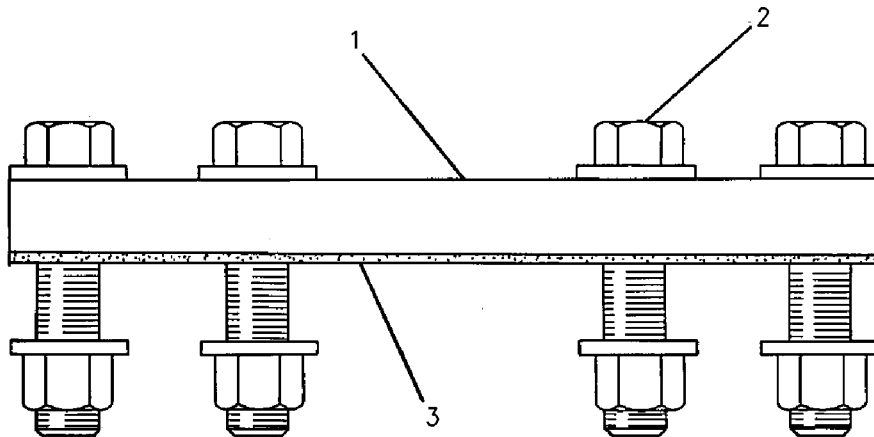
2W-7854 FLANGE GP-EXHAUST

FOR USE WITH 114.3 MM (4.5 INCH) OD AMERICAN STD. PIPE, 2W-4070—PAGE 154
AN ATTACHMENT

SMCS-1061

i01791057

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-7855	1	FLANGE-EXHAUST						
	2	1	202-9769	6	BOLT (1/2-13X2.25-IN)						
		1	6V-8188	6	NUT (1/2-13-THD)						
		1	8T-4223	12	WASHER-HARD (13.5X25.5X3-MM THK)						
	3	1	2W-7856	1	GASKET-EXHAUST						



GRAPHIC #1

<END>

g00917703

AIR INLET AND EXHAUST SYSTEM

2W-7857 FLANGE GP-EXHAUST

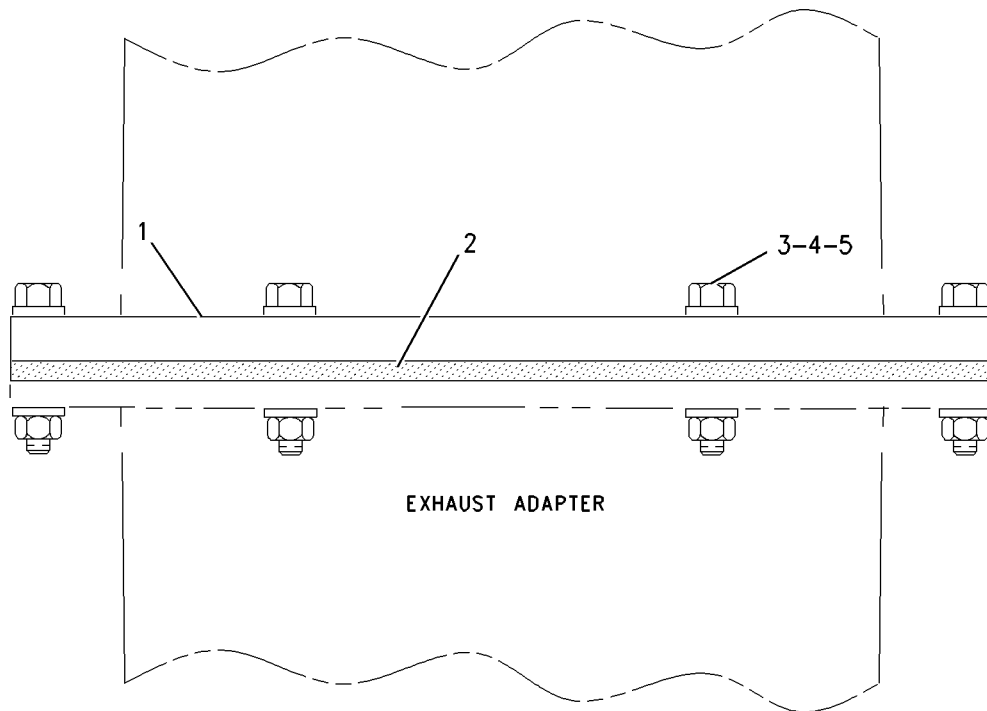
5 INCH. 2 REQUIRED

FOR USE WITH 141.3 MILLIMETER OUTSIDE DIAMETER AMERICAN STANDARD PIPE
AN ATTACHMENT

SMCS-1061

i01508969

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-7858	1	FLANGE - EXHAUST						
	2	1	2W-7859	1	GASKET - EXHAUST						
	3	1	202-9769	6	BOLT (1/2-13X2.25-IN)						
	4	1	6V-8188	6	NUT (1/2-13-THD)						
	5	1	8T-4223	12	WASHER-HARD (13.5X25.5X3-MM THK)						



GRAPHIC #1

<END>

g00783337

AIR INLET AND EXHAUST SYSTEM

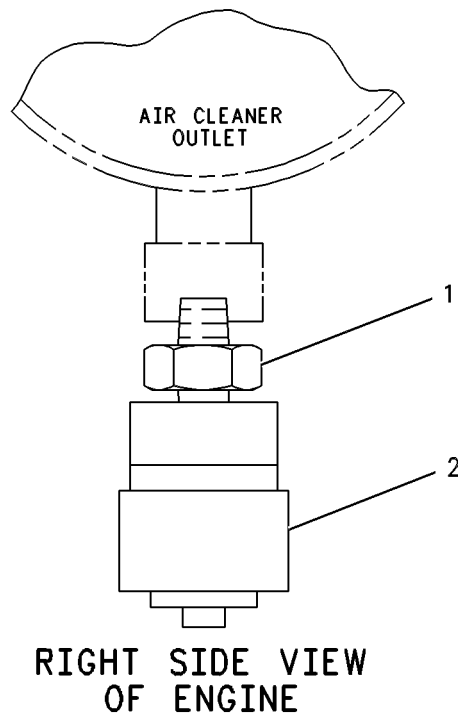
117-4031 INDICATOR GP-AIR FILTER CHANGE

AN ATTACHMENT

SMCS-7452

i00905054

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5L-3233	1	FITTING						
	2	1	2N-3323	1	INDICATOR-AIR FILTER CHANGE						



GRAPHIC #1

<END>

g00248094

AIR INLET AND EXHAUST SYSTEM

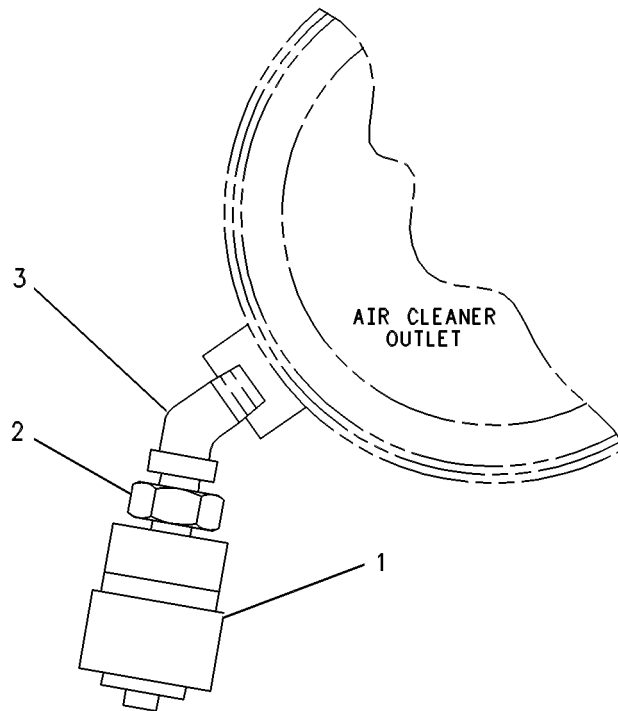
117-4037 INDICATOR GP-AIR FILTER CHANGE

AN ATTACHMENT

SMCS-7452

i00907219

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	2N-3323	1	INDICATOR-AIR FILTER CHANGE	
	2	1	5L-3233	1	FITTING	
	3	1	8L-5008	1	ELBOW-PIPE	



GRAPHIC #1

<END>

g00248095

AIR INLET AND EXHAUST SYSTEM

7C - 1890 LINES GP - AIR AN ATTACHMENT

SMCS - 1071

i01684509

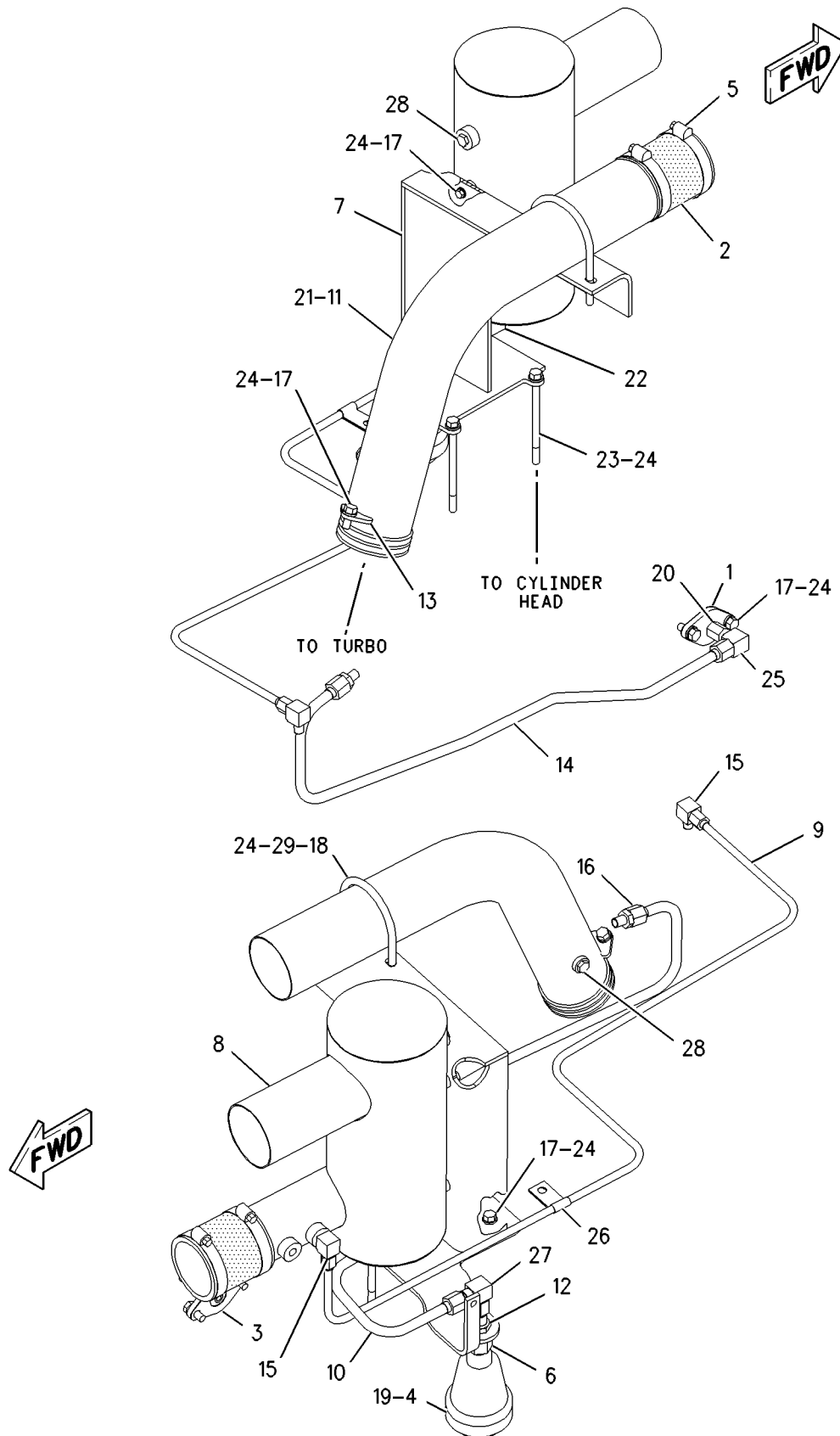
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	2Y-5249	1	ADAPTER						
E	2	1	5P-1265		HOSE (9.525CM)						
C	3	1	4M-6480	1	GASKET						
	4	1	5N-3727	1	VALVE-FLOAT						
	5	1	5P-0598	2	CLAMP						
	6	1	6V-2376	1	CONNECTOR						
	7	1	7C-7756	1	BRACKET AS						
	8	1	7C-7757	1	CANISTER AS						
	9	1	7C-8239	1	TUBE AS						
	10	1	7C-8241	1	TUBE AS						
	11	1	7C-8244	1	TUBE AS						
	12	1	7F-2050	1	LOCKNUT (3/4-16-THD)						
	13	1	7W-1944	1	RETAINER						
	14	1	163-5011	1	TUBE AS (TURBOCHARGER, VENT)						
	15	1	032-1268	2	ELBOW-FLARED						
	16	1	061-9463	1	CONNECTOR (FLARED)						
	17	1	0L-1351	6	BOLT (3/8-16X0.875-IN)						
	18	1	2D-0032	1	U-BOLT						
	19	1	3B-7744	1	FITTING						
	20	1	3P-1823	1	ADAPTER-PIPE						
	21	1	4L-8337	2	SEAL-O-RING						
	22	1	4R-8604	1	ELBOW						
	23	1	5B-2638	2	BOLT (3/8-16X5.25-IN)						
	24	1	5M-2894	10	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	25	1	6L-9777	1	ELBOW-FLARED						
	26	1	7M-2220	1	CLIP						
	27	1	8M-0547	1	ELBOW						
	28	1	8T-6765	2	PLUG-PIPE						
	29	1	9S-8752	2	NUT-FULL (3/8-16-THD)						

C - CHANGE FROM PREVIOUS TYPE
E - ORDER BY THE CENTIMETER

AIR INLET AND EXHAUST SYSTEM

7C-1890 LINES GP-AIR (contd.)

i01684509



GRAPHIC #1

<END>

g00882095

AIR INLET AND EXHAUST SYSTEM

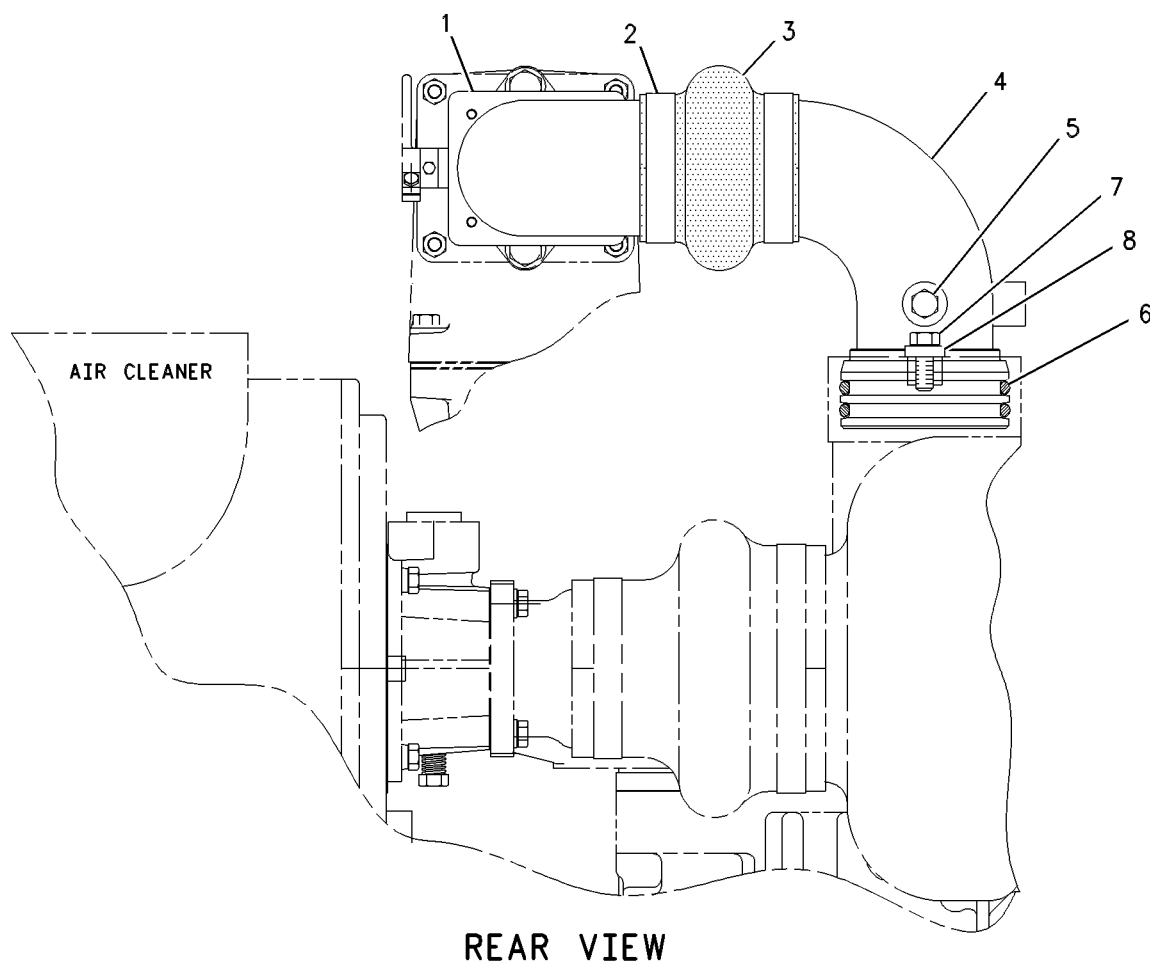
132 - 1240 LINES GP - AIR

AN ATTACHMENT

SMCS - 1071

i01790066

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132 - 1241	1	ELBOW AS						
	2	1	8T - 6675	2	CLAMP - HOSE						
	3	1	3L - 9656	1	HOSE - TURBOCHARGER						
	4	1	112 - 0872	1	ELBOW AS - OUTLET						
	5	1	8T - 6765	1	PLUG - PIPE						
	6	1	4L - 8337	2	SEAL - O - RING						
	7	1	0S - 1594	1	BOLT (3/8 - 16X1 - IN)						
	8	1	9F - 8596	1	LUG						



GRAPHIC #1

<END>

g00476646

AIR INLET AND EXHAUST SYSTEM

1N-4187 MANIFOLD GP - EXHAUST

WATERCOOLED
AN ATTACHMENT

SMCS - 1059

i02989217

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-8562	4	STUD-TAPERLOCK (3/8-16X1.77-IN)						
	2	1	5B-7890	2	PLUG-PIPE						
	3	1	8T-6767	1	PLUG-PIPE						
	4	1	7C-7361	1	TUBE AS						
	5	2	009-4440	1	CONNECTOR						
	6	1	9B-7237	2	BOLT (3/8-16X1.25-IN)						
	7	1	6L-6580	1	GASKET						
	8	1	9M-4849	1	SEAL-O-RING						
	9	1	0S-1608	7	BOLT (3/8-16X3.75-IN)						
	10	2	1N-4190	1	TUBE AS						
	11	2	7C-4354	1	CLIP						
C	12	2	9Y-1979	3	GASKET-MANIFOLD						
	13	2	9S-7296	1	ELBOW-FLARED						
	14	1	9Y-3638	1	MANIFOLD AS-EXHAUST						
		1	5J-3463	3	BAR						
			3J-5389	1	PLUG						
			3N-0624	7	BOSS						
			6B-8692	2	BOSS						
	15	2	133-9637	1	BRACKET						
	16	2	8T-2502	1	BOLT (3/8-16X1.125-IN)						
	17	1	4J-9509	1	SPACER						
	18	1	8M-4987	1	SEAL-O-RING						
	19	1	7W-6492	1	PLUG-PIPE						
	20	1	8T-6764	1	PLUG-PIPE						
	21	2	4L-6454	1	BOLT (3/8-16X1-IN)						
	22	2	6V-8801	2	NUT (3/8-16-THD)						
B	23	1	8T-6767	1	PLUG-PIPE						
	24	2	133-9640	1	BRACKET						
	25	2	9S-8752	1	NUT-FULL (3/8-16-THD)						
	26	2	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	27	2	1A-2029	1	BOLT (3/8-16X1.125-IN)						
	28	2	8T-4896	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						

B-USE AS REQUIRED

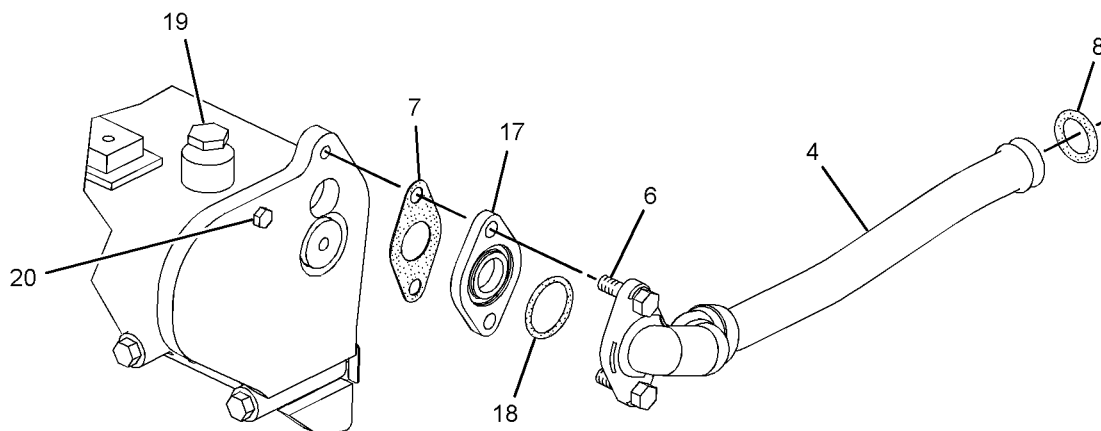
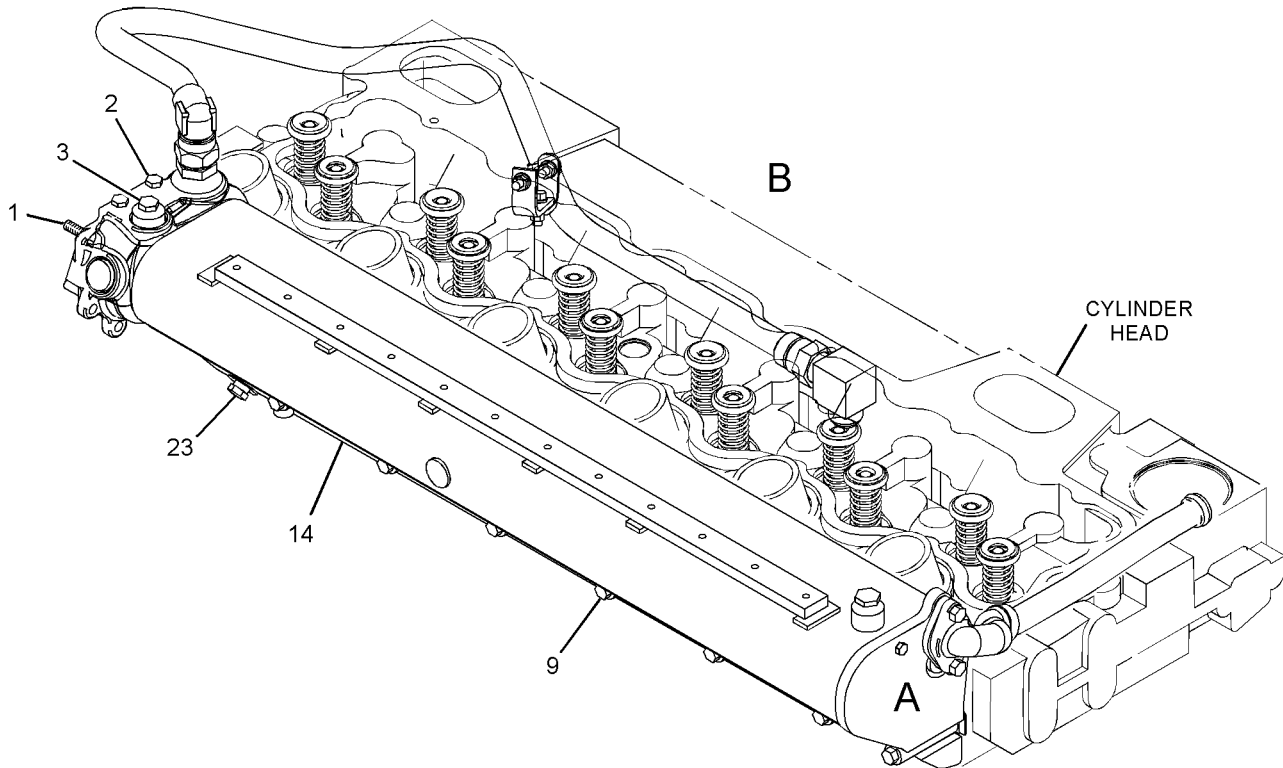
C-CHANGE FROM PREVIOUS TYPE

AIR INLET AND EXHAUST SYSTEM

1N-4187 MANIFOLD GP-EXHAUST (contd.)

i02989217

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



VIEW OF AREA A
(EXPLODED)

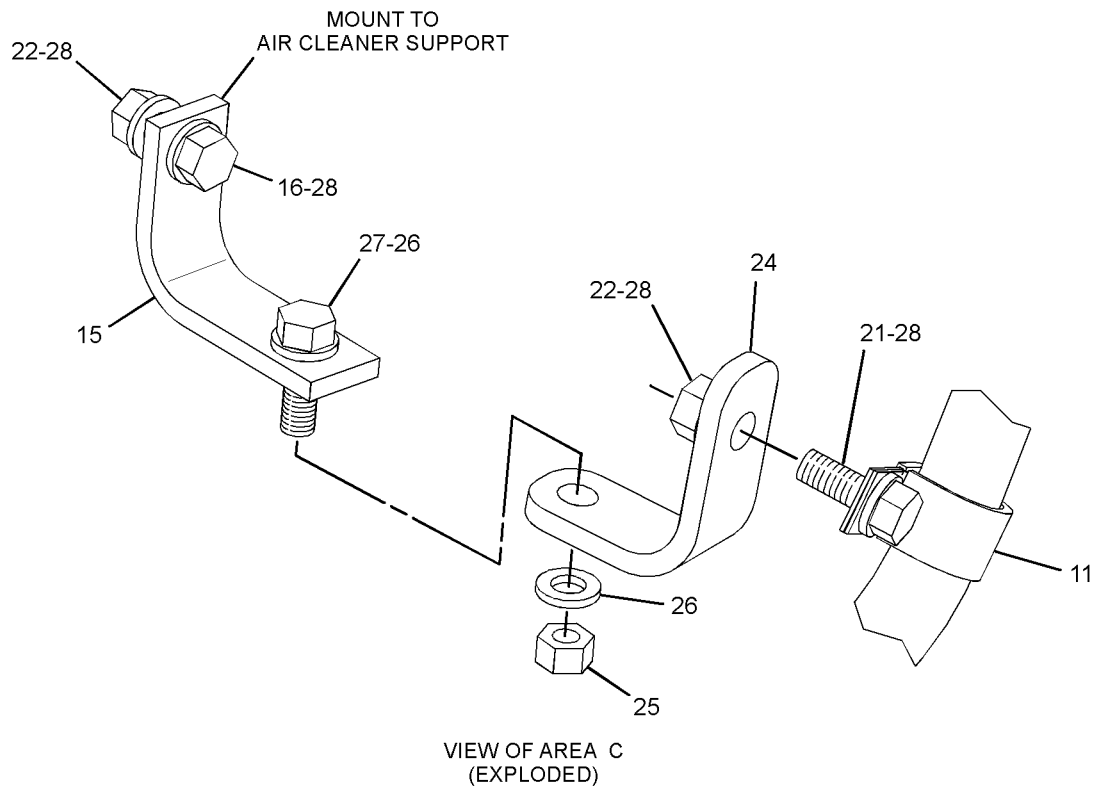
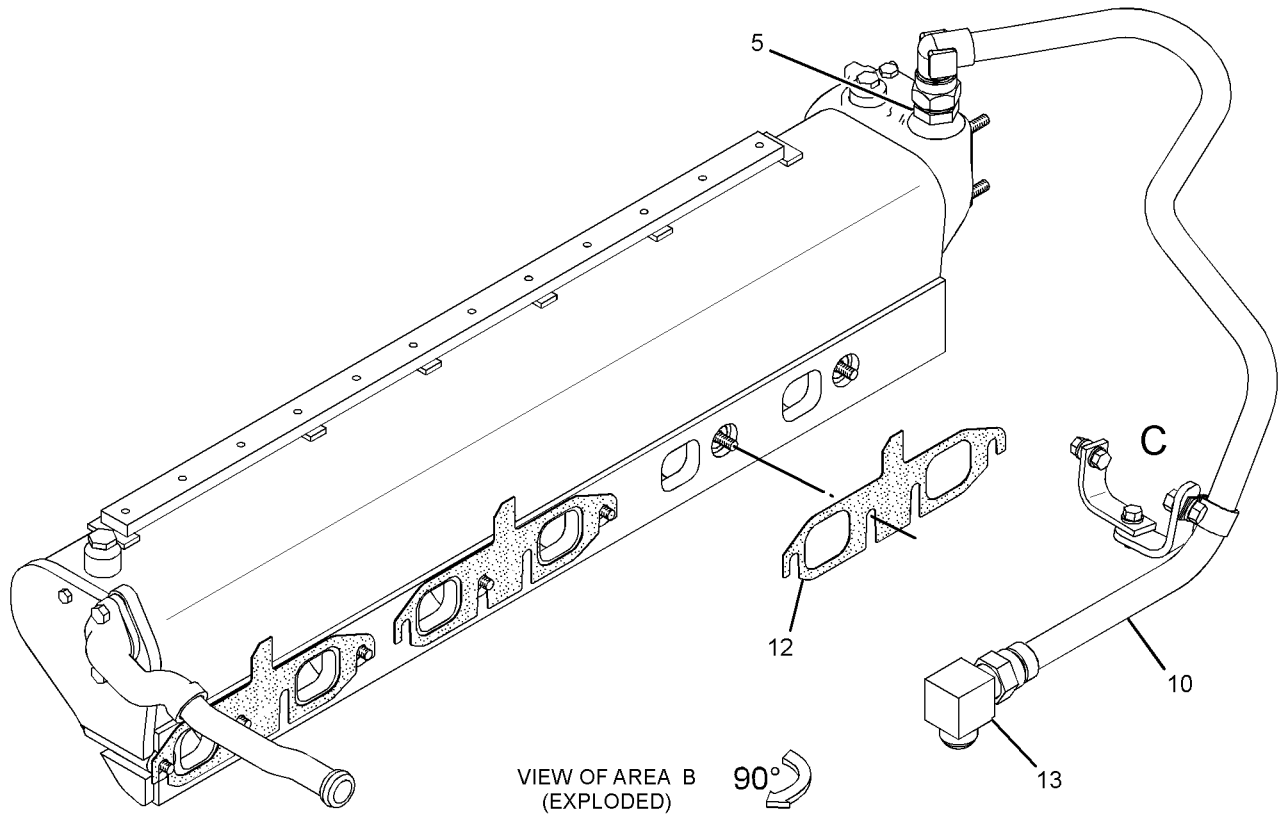
GRAPHIC #1

g01516063

AIR INLET AND EXHAUST SYSTEM

1N-4187 MANIFOLD GP-EXHAUST (contd.)

i02989217



GRAPHIC #2

<END>

g01516065

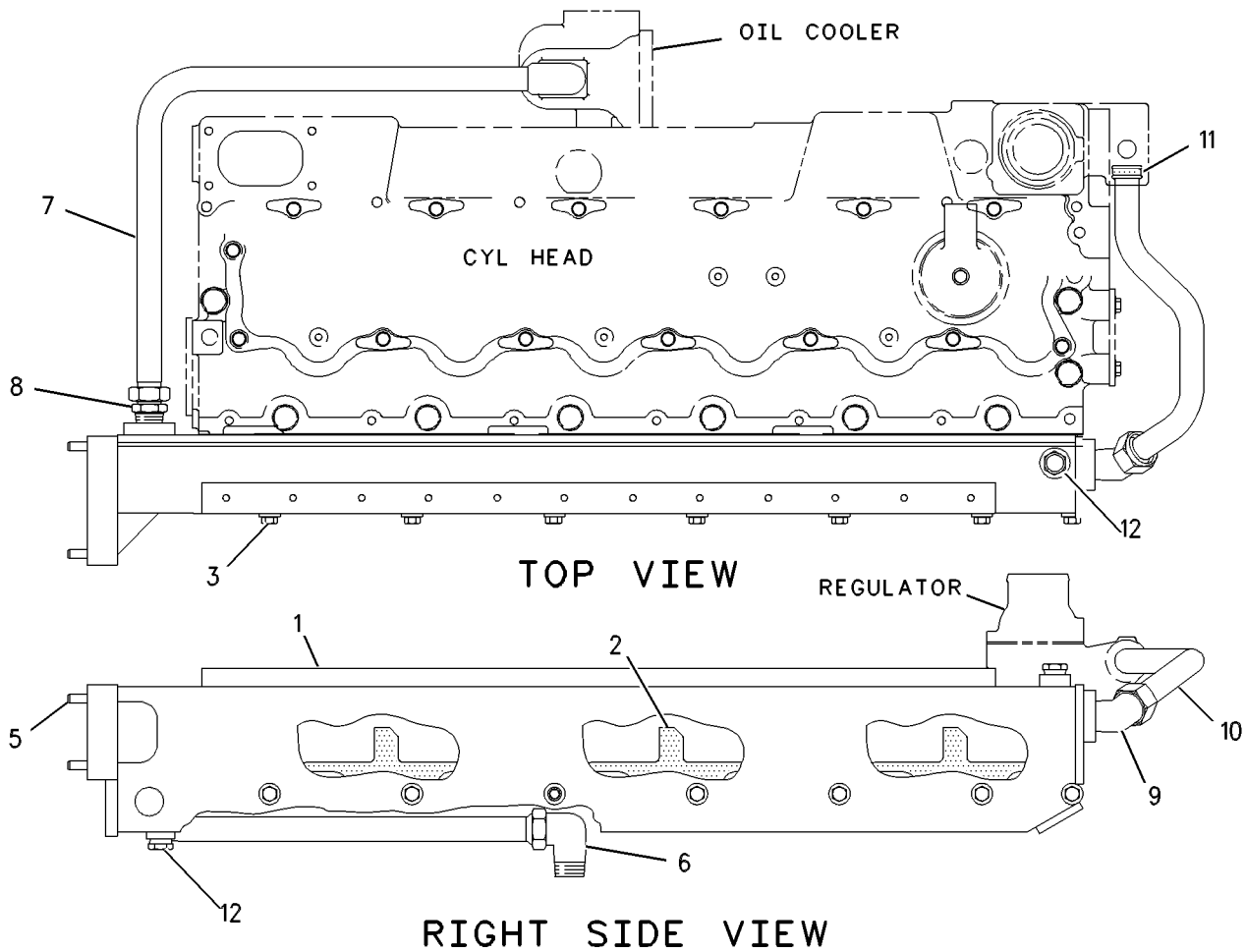
AIR INLET AND EXHAUST SYSTEM

101-8956 MANIFOLD GP - EXHAUST AN ATTACHMENT

SMCS - 1059

i01057226

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	101-8957	1	MANIFOLD AS						
	2	1	9Y-1979	3	GASKET-MANIFOLD						
	3	1	0S-1608	7	BOLT (3/8-16X3.75-IN)						
	5	1	6L-8562	4	STUD-TAPERLOCK (3/8-16X1.77-IN)						
	6	1	9S-7296	1	ELBOW-FLARED						
	7	1	101-8958	1	TUBE AS						
	8	1	009-4440	1	CONNECTOR						
	9	1	2P-1312	1	ELBOW						
	10	1	101-8959	1	TUBE AS-OUTLET						
	11	1	9M-4849	1	SEAL-O-RING						
	12	1	7W-6492	2	PLUG-PIPE						



GRAPHIC #1

<END>

g00550285

AIR INLET AND EXHAUST SYSTEM

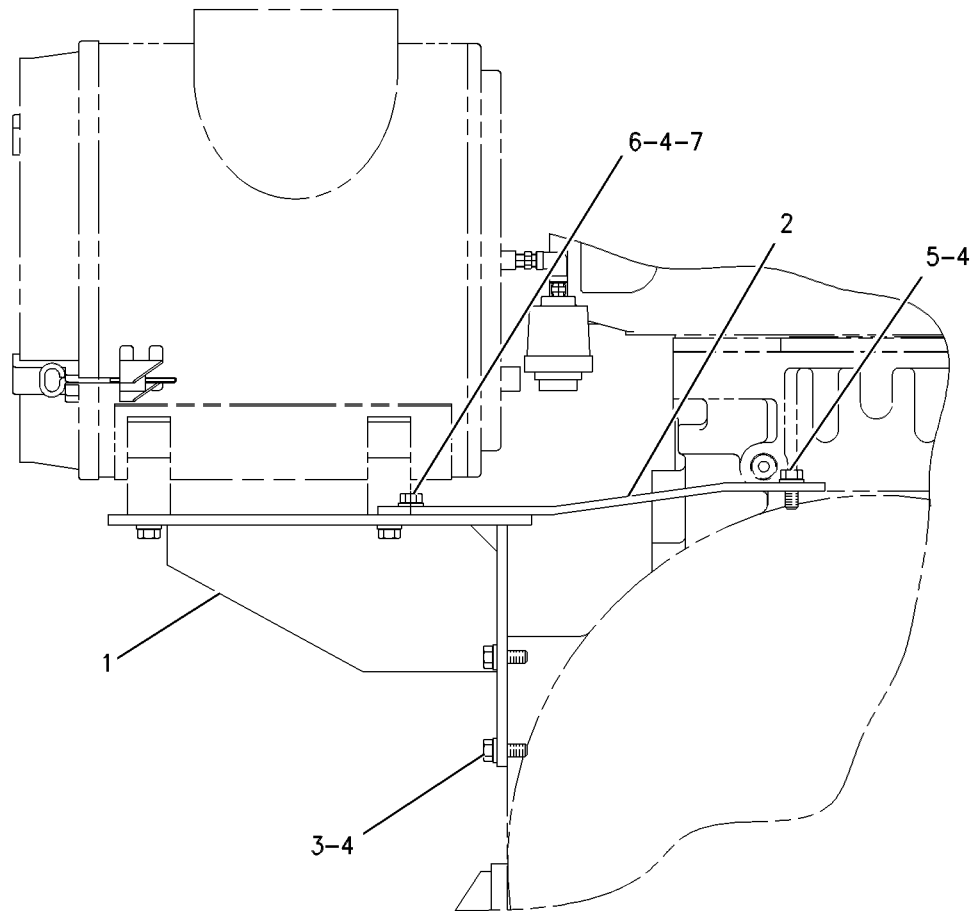
132-1167 MOUNTING GP-AIR CLEANER

AN ATTACHMENT

SMCS-1051

i01790065

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-1168	1	BRACKET AS						
	2	1	132-1150	1	BRACE						
	3	1	0S-1594	3	BOLT (3/8-16X1-IN)						
	4	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	5	1	0L-1351	1	BOLT (3/8-16X0.875-IN)						
	6	1	0S-1588	1	BOLT (3/8-16X1.25-IN)						
	7	1	9S-8752	1	NUT-FULL (3/8-16-THD)						



REAR VIEW

GRAPHIC #1

<END>

g00476711

AIR INLET AND EXHAUST SYSTEM

2W-4070 MUFFLER

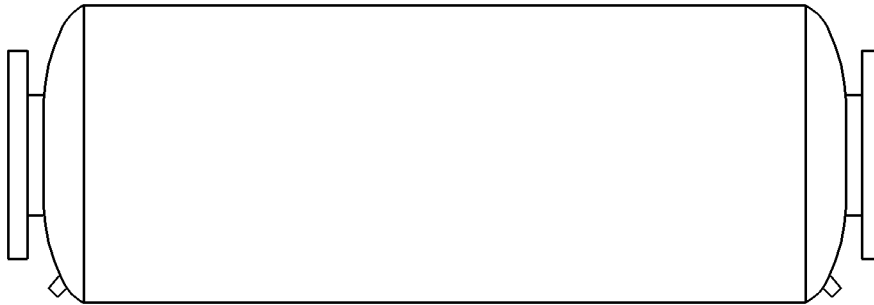
101.6 MM (4 INCH)

AN ATTACHMENT

SMCS-1062

i01428239

NOTE	REF	GRAPHIC				PART NAME						SEE PAGE
	NO	REF	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)		
	(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00748156

AIR INLET AND EXHAUST SYSTEM

2W-4071 MUFFLER

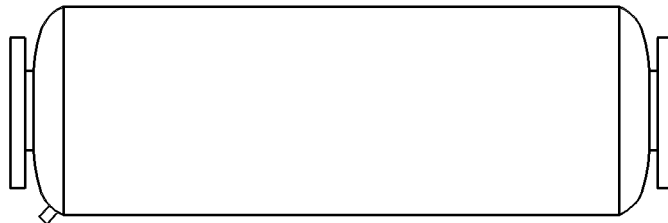
127 MM (5 INCH) FLANGE
AN ATTACHMENT

SMCS-1062

i01087237

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	

(NO SERVICED PARTS)



GRAPHIC #1

<END>

g00285847

AIR INLET AND EXHAUST SYSTEM

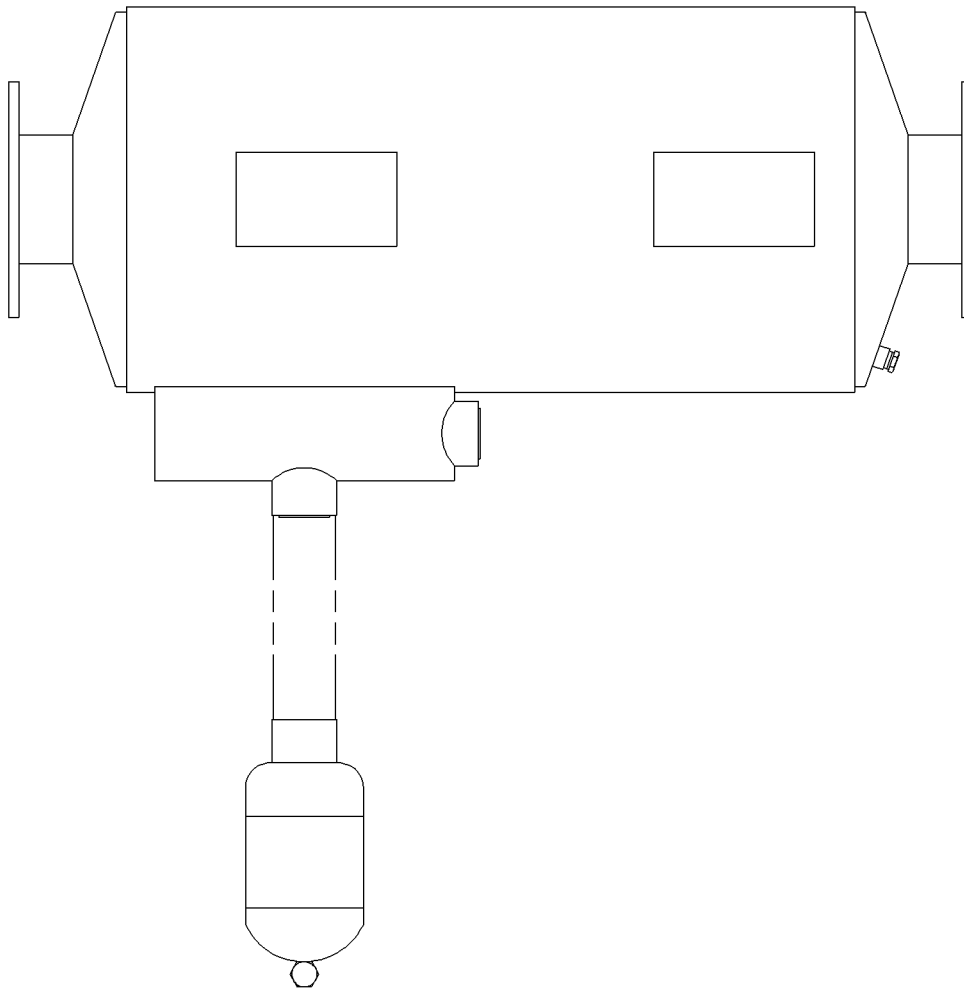
165 - 6557 MUFFLER GP - SPARK ARRESTOR

152 MM (6 INCH)
AN ATTACHMENT

SMCS - 1062

i01627967

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00849209

AIR INLET AND EXHAUST SYSTEM

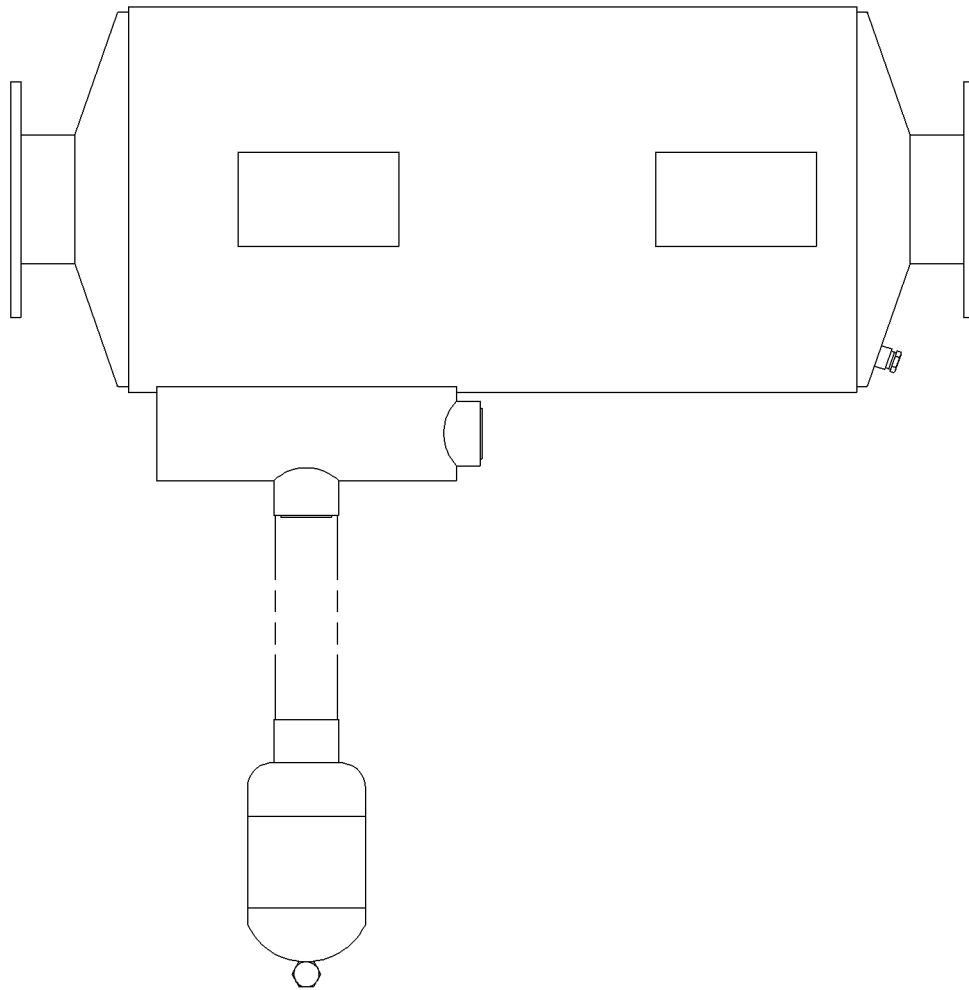
214-5583 MUFFLER GP-SPARK ARRESTOR

101.6 MM (4 INCH), MSA1. END IN, END OUT
AN ATTACHMENT

SMCS-1062

i01627772

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00848688

AIR INLET AND EXHAUST SYSTEM

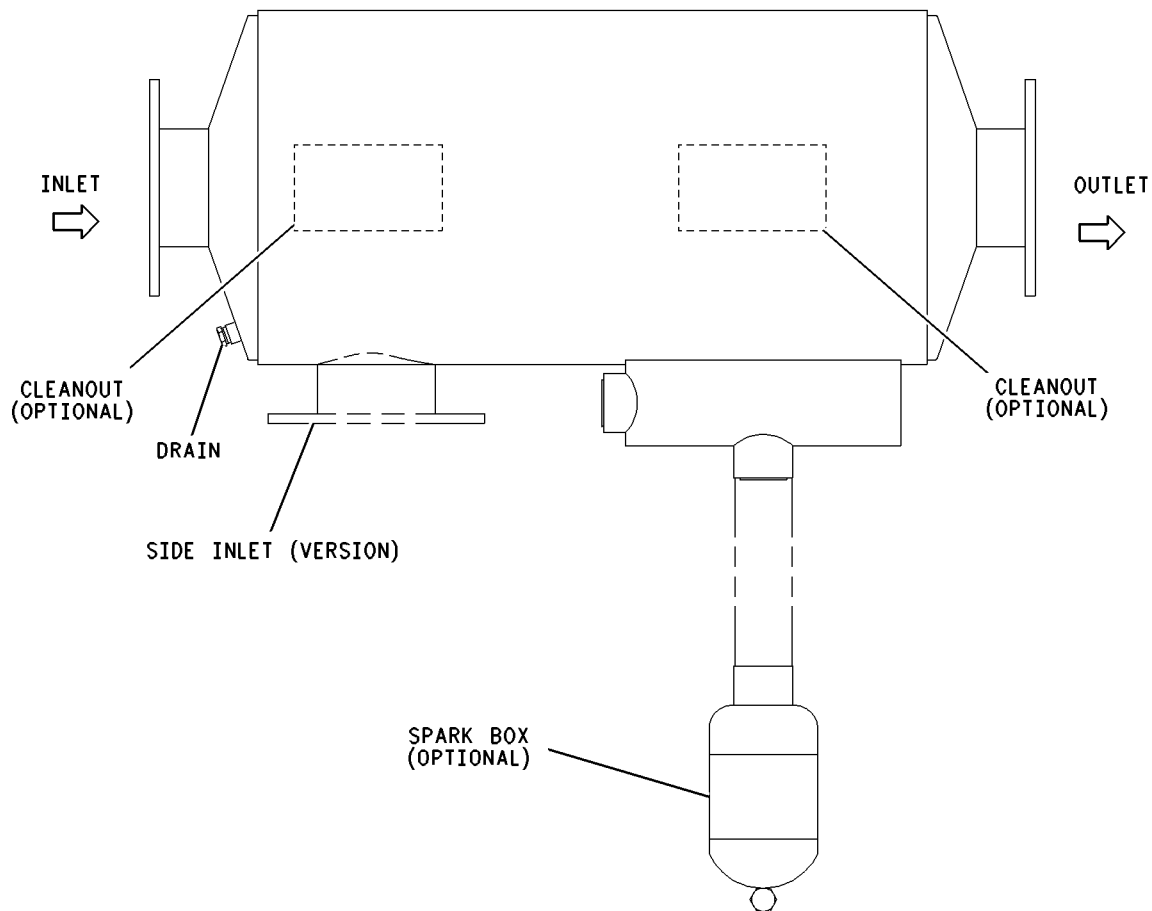
214-5584 MUFFLER GP-SPARK ARRESTOR

127 MM (5 INCH)
AN ATTACHMENT

SMCS-1062

i01676249

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00868319

AIR INLET AND EXHAUST SYSTEM

5L - 8632 PIPE GP - EXHAUST

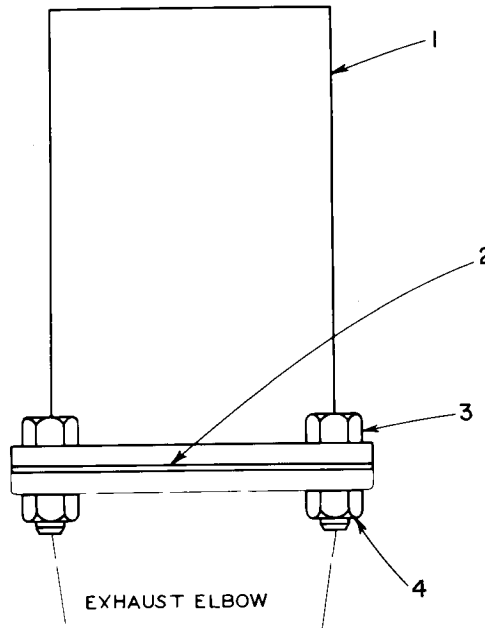
127-MM (5-INCH)

AN ATTACHMENT

SMCS - 1061

i02332560

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5L - 8605	1	PIPE AS - EXHAUST						
	2	1	5L - 8484	1	GASKET						
	3	1	8T - 9393	4	BOLT (5/8-11X1.5-IN)						
	4	1	1B - 5358	4	NUT - FULL (5/8-11 THD)						



GRAPHIC #1

<END>

g00200874

AIR INLET AND EXHAUST SYSTEM

5L - 8649 PIPE GP - EXHAUST

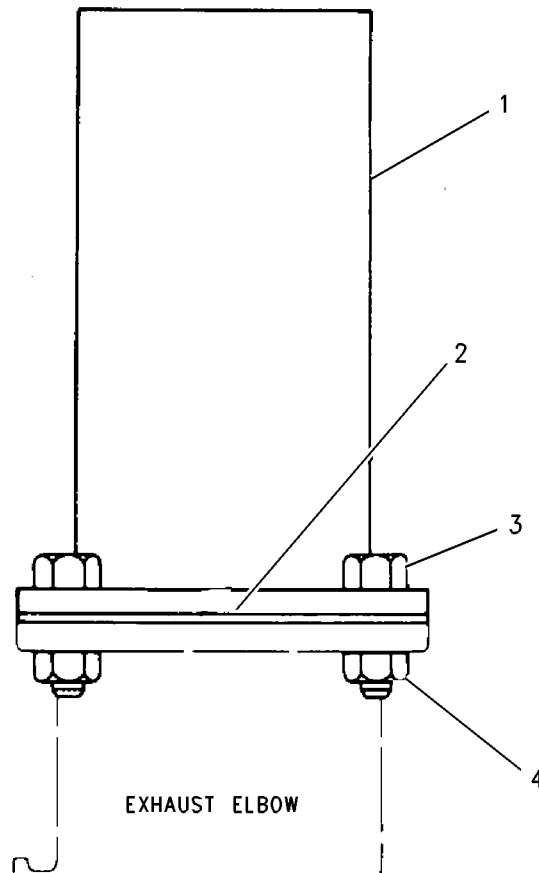
101.6-MM (4-INCH)

AN ATTACHMENT

SMCS - 1061

i01791098

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5L - 8648	1	PIPE AS - EXHAUST						
	2	1	6L - 4716	1	GASKET - FLANGE						
	3	1	0S - 1595	4	BOLT (1/2-13X1.25 IN)						
	4	1	1B - 5357	4	NUT - FULL (1/2-13 THD)						



GRAPHIC #1

<END>

g00917273

AIR INLET AND EXHAUST SYSTEM

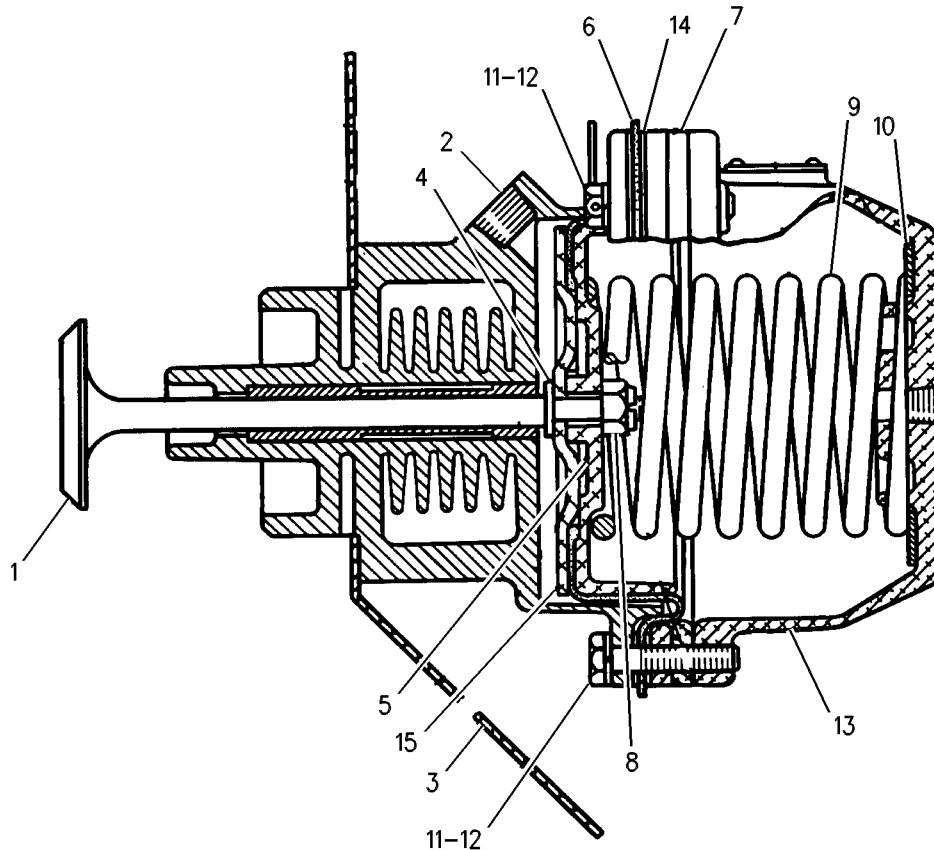
7S-7810 REGULATOR AS-TURBO PRESSURE

PART OF 111-9309, 7C-1888 TURBOCHARGER GP
AN ATTACHMENT

SMCS-1052

i03018351

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7S-7811	1	VALVE						
	2	1	7S-7812	1	BASE AS						
	3	1	2S-4651	1	SHIELD-HEAT						
	4	1	4B-4277	1	WASHER (8.8X17.5X1.6-MM THK)						
	5	1	7S-7815	1	RETAINER-DIAPHRAGM						
	6	1	3S-6228	1	DIAPHRAGM						
	7	1	1S-9039	2	SPACER (4.1X5.4X0.25-MM THK)						
	8	1	7S-7816	1	LOCKNUT						
	9	1	2S-4655	1	SPRING						
	10	1	2S-4656	2	SHIM-SPRING (1.02-MM THK)						
	11	1	7B-2742	5	BOLT (1/4-20X1.25-IN)						
	12	1	1L-4789	5	LOCKWASHER						
	13	1	2S-4658	1	COVER						
	14	1	3S-5849	2	GASKET						
	15	1	7S-7814	1	PLATE-RETAINER						



GRAPHIC #1

<END>

g00468697

AIR INLET AND EXHAUST SYSTEM

1P-6082 TURBOCHARGER GP*R

PART OF 111-9309, 130-3953, 7C-1888 TURBOCHARGER GP
AN ATTACHMENT

SMCS-1052, 1053

i02775231

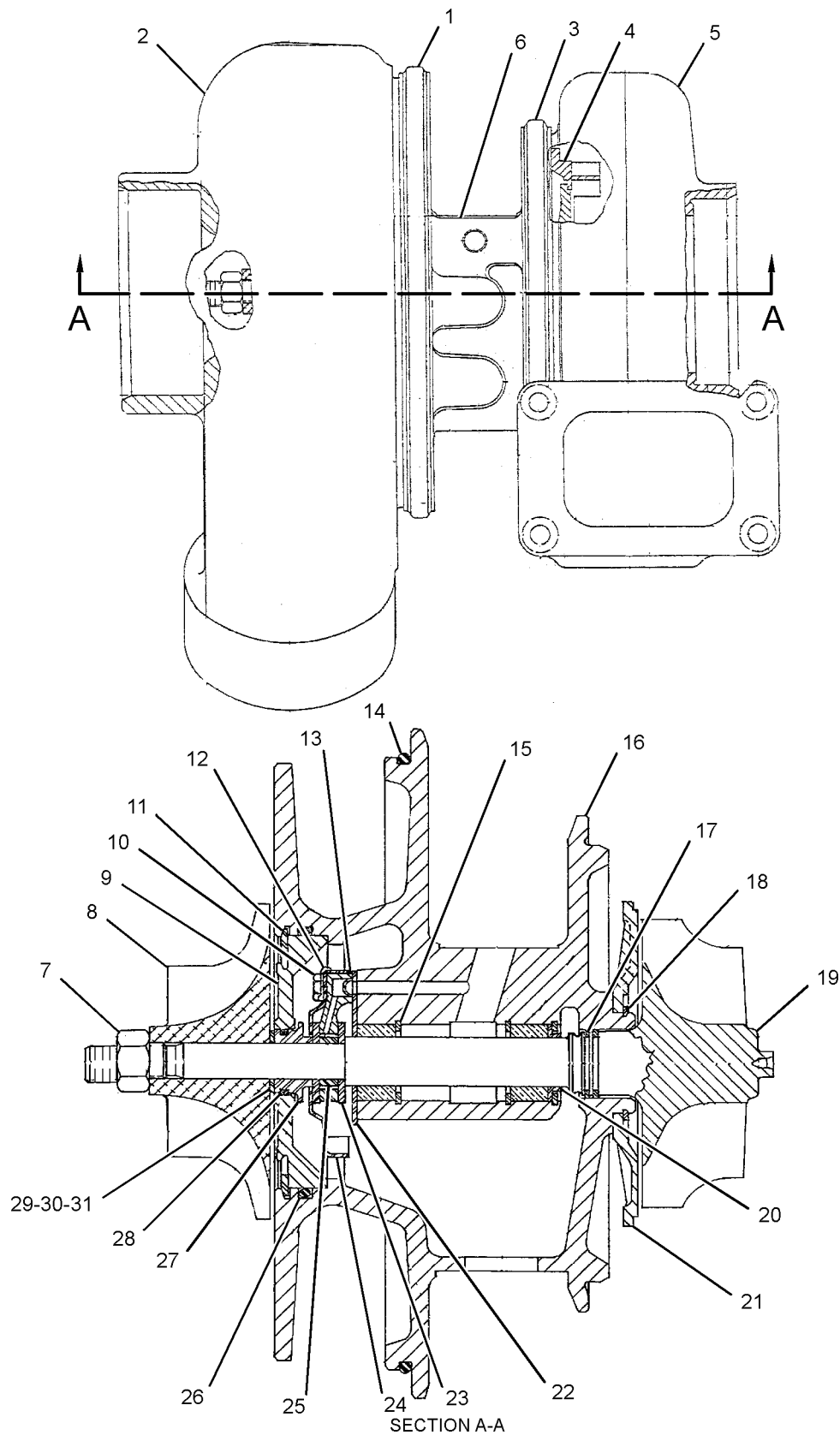
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	2S-1304	1	CLAMP AS (COMPRESSOR)	
	2	1	3S-4256	1	HOUSING-COMPRESSOR	
	3	1	7M-9917	1	CLAMP AS	
	4	1	8M-7942	1	NOZZLE	
	5	1	1S-9520	1	HOUSING (TURBINE)	
JR	6	1	1P-5466	1	CARTRIDGE GP-TURBOCHARGER	
	7	1	6N-9683	1	NUT-TURBOCHARGER COMPRESSOR	
	8	1	9M-0495	1	WHEEL-COMPRESSOR	
	9	1	2S-1305	1	INSERT	
	10	1	7M-9910	3	SCREW-MACHINE (M10X24X25.4-MM)	
	11	1	2S-1307	1	RING-RETAINING	
	12	1	7M-9919	3	PLATE-LOCK	
	13	1	7N-3762	1	BEARING AS	
	14	1	9M-9545	1	SEAL-O-RING	
	15	1	7M-7611	3	RING-RETAINING	
	16	1	1S-5372	1	HOUSING-BEARING	
	17	1	4S-9248	2	RING-PISTON	
	18	1	4M-6990	1	RING-SNAP	
	19	1	9M-0491	1	WHEEL & SHAFT AS	
	20	1	1S-3887	1	SLEEVE-OIL CONTROL	
	21	1	1S-2098	1	PLATE-BACKING	
	22	1	2S-1310	1	SPACER	
	23	1	2S-1185	2	RING	
	24	1	2S-1308	1	DEFLECTOR	
	25	1	7M-9923	1	SPACER	
	26	1	3S-1427	1	SEAL-O-RING	
	27	1	7M-9908	1	SLEEVE-FLINGER	
	28	1	4M-8013	2	RING-PISTON	
B	29	1	8M-7167	1	SHIM (0.003-IN THK)	
B	30	1	8M-7168	1	SHIM (0.005-IN THK)	
B	31	1	8M-7169	1	SHIM (0.010-IN THK)	
AVAILABLE REPAIR KIT(S) :						
J			1P-5467	1	KIT-BEARING	
J			2W-0726	1	KIT-CARTRIDGE	
(INCLUDES SLEEVE, SPACER, SEALS, RINGS, PLATE & SHIMS)						

B-USE AS REQUIRED
J-KIT MARKED J SERVICES PART MARKED J
R-REMFG PART MAY BE AVAILABLE

AIR INLET AND EXHAUST SYSTEM

1P-6082 TURBOCHARGER GP (contd.)

i02775231



GRAPHIC #1

<END>

g01516439

AIR INLET AND EXHAUST SYSTEM

1W-9757 TURBOCHARGER GP*R

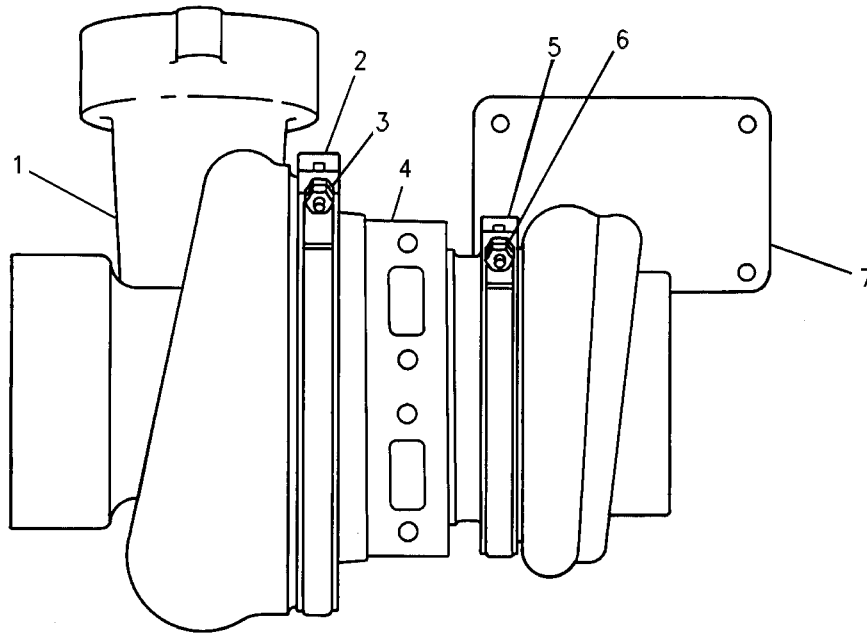
PART OF 2W-0807 TURBOCHARGER GP
AN ATTACHMENT

SMCS-1052, 1053

i00926962

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-8545	1	HOUSING-COMPRESSOR						
	2	1	5S-4558	1	CLAMP AS-COMPRESSOR						
	3	1	7M-9918	1	LOCKNUT						
YR	4	1	1W-9759	1	CARTRIDGE GP-TURBOCHARGER						132
	5	1	5S-4517	1	CLAMP AS (HOUSING)						
	6	1	7M-9918	1	LOCKNUT						
	7	1	7N-6337	1	HOUSING-TURBINE						

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

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g00474160

AIR INLET AND EXHAUST SYSTEM

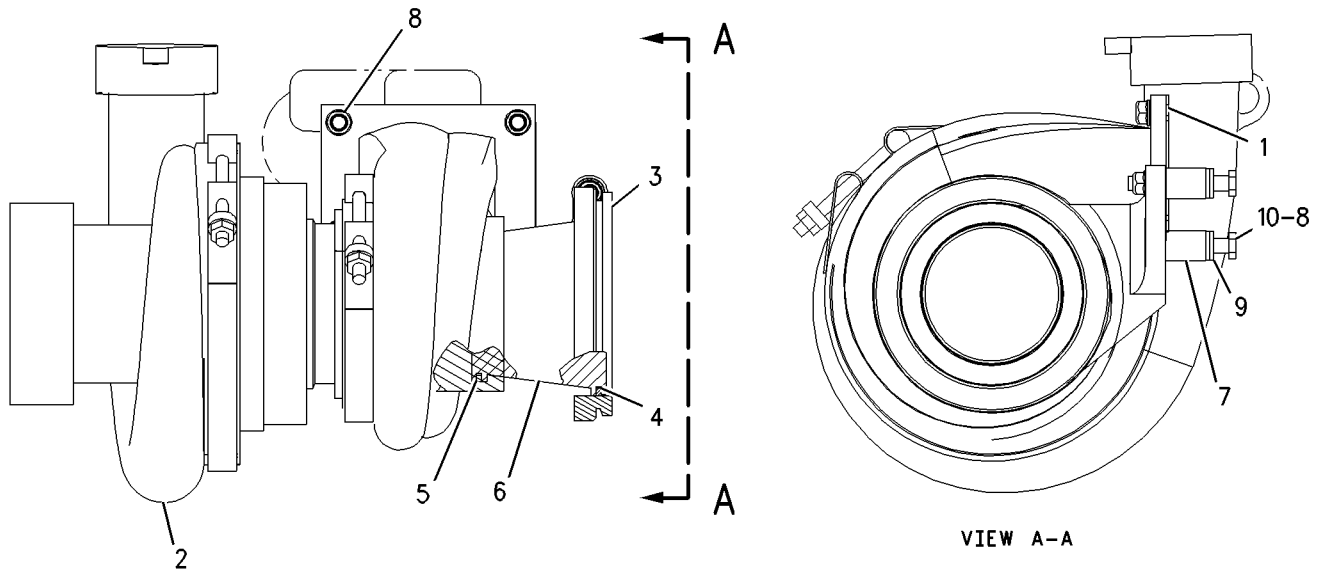
2W-0807 TURBOCHARGER GP AN ATTACHMENT

SMCS-1052, 1053

i01760235

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1S-4295	1	GASKET - TURBOCHARGER						
YR	2	1	1W-9757	1	TURBOCHARGER GP						164
	3	1	5L-7632	1	SUPPORT - ELBOW						
	4	1	5L-8854	1	RING - SEALING						
	5	1	5L-8855	1	RING - METAL SEAL						
	6	1	5L-8856	1	COUPLING - EXHAUST						
	7	1	032-3237	2	SPACER (1 IN LG X .75 IN DIA)						
	8	1	168-7800	6	LOCKNUT (HIGH TEMPERATURE)						
	9	1	5M-2894	4	WASHER - HARD (10.2X18.5X2.5MM THK)						
	10	1	5P-3961	2	BOLT (3/8-16X2.5 IN) (6.35CM LONG)						

R - REMFG PART MAY BE AVAILABLE
Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00922981

AIR INLET AND EXHAUST SYSTEM

7C-1888 TURBOCHARGER GP

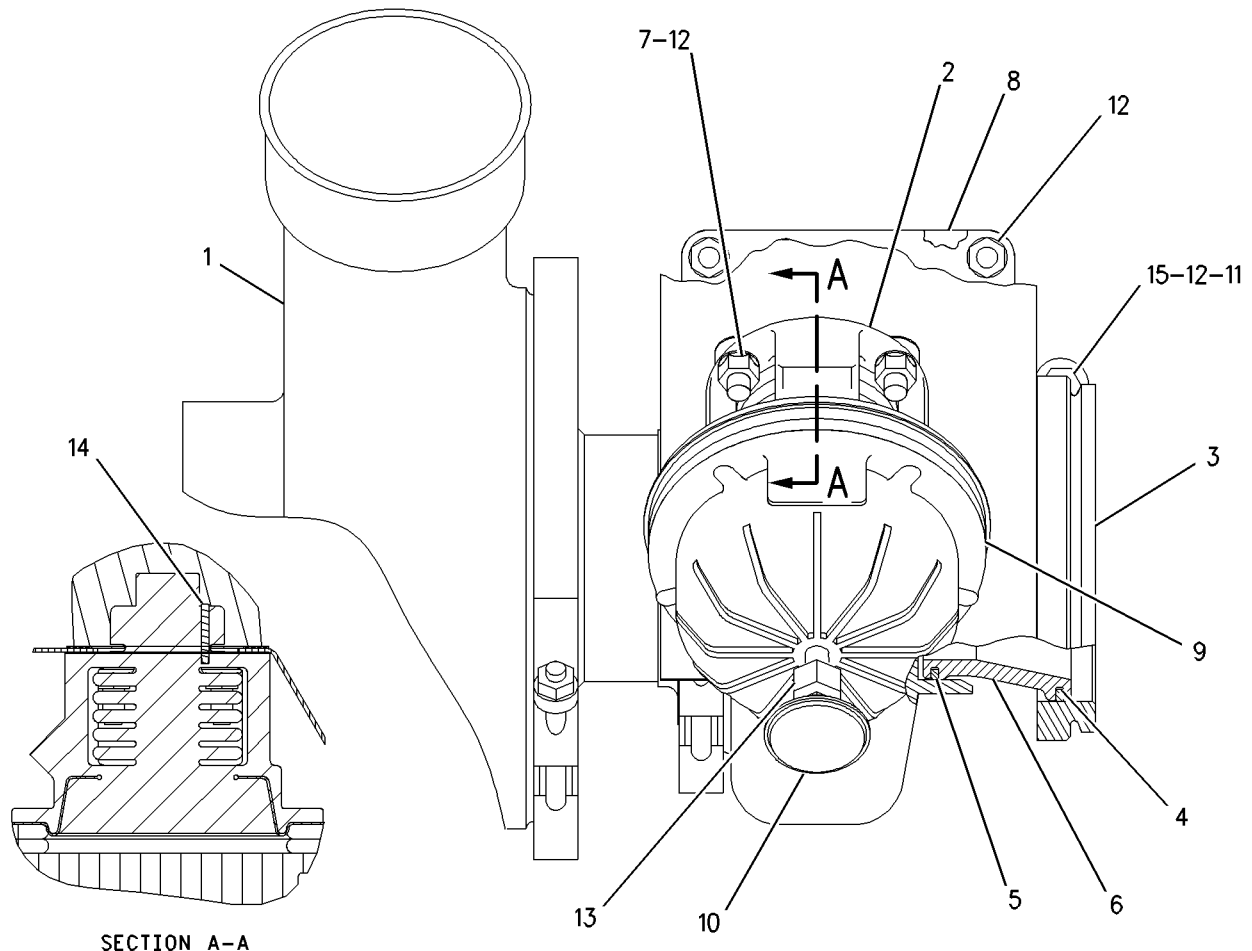
AN ATTACHMENT

SMCS-1052, 1053

i02996454

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	1P-6082	1	TURBOCHARGER GP	162
C	2	1	3N-4285	2	GASKET	
	3	1	5L-7632	1	SUPPORT-ELBOW	
	4	1	5L-8854	1	RING-SEALING	
	5	1	5L-8855	1	RING-METAL SEAL	
	6	1	6L-8968	1	COUPLING-EXHAUST	
	7	1	6L-3592	4	STUD (3/8-16-THD)	
	8	1	7M-7273	1	GASKET	
Y	9	1	7S-7810	1	REGULATOR AS-TURBO PRESSURE	161
C	10	1	9G-5127	1	BREATHER (EXHAUST)	
C	11	1	032-3237	2	SPACER (10.93X19.05X25.4-MM THK)	
	12	1	168-7800	10	LOCKNUT (3/8-16-THD)	
C	13	1	4H-0553	1	FITTING (SPECIAL)	
	14	1	5B-4685	1	PIN-TAPERED	
	15	1	5P-3961	2	BOLT (3/8-16X2.5-IN)	

C- CHANGE FROM PREVIOUS TYPE
R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00794364

AIR INLET AND EXHAUST SYSTEM

111-9309 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053

i03009011

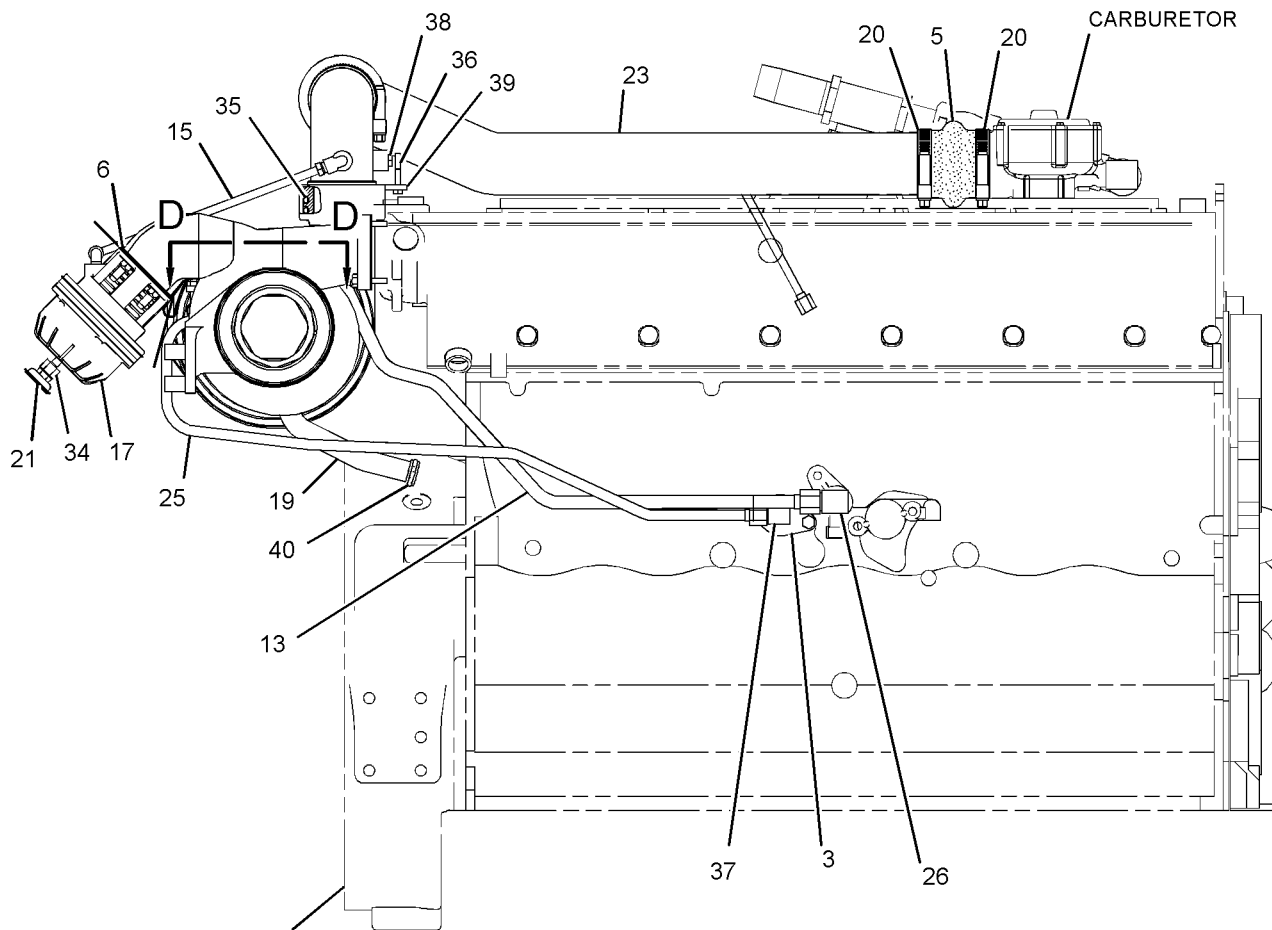
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	1	2	1P-6082	1	TURBOCHARGER GP	162
	2	1, 2	1S-9039	2	SPACER (4.1X5.4X0.25-MM THK)	
	3	1	2Y-5249	1	ADAPTER	
	4	2	3B-8999	2	FITTING	
	5	1, 2	3L-9656	2	HOSE-TURBOCHARGER	
	6	1	3N-4285	2	GASKET (REGULATOR)	
	7	1	5L-7632	1	SUPPORT-ELBOW	
	8	1	6L-2960	1	RING-EXPANDER	
	9	1	6L-2961	1	RING	
	10	1	6L-8968	1	COUPLING-EXHAUST	
	11	1	6L-9541	1	RING-OUTLET	
	12	1	6L-9542	1	EXPANDER-RING	
	13	1	6N-7752	1	TUBE AS-OIL	
	14	2	7L-0520	4	STUD-TAPERLOCK (3/8-16X1.968-IN)	
	15	1	7L-2988	1	TUBE-PILOT	
	16	2	7M-7273	1	GASKET (TURBOCHARGER)	
Y	17	1	7S-7810	1	REGULATOR AS-TURBO PRESSURE	161
	19	1	8N-2393	1	TUBE AS-OIL DRAIN	
	20	1, 2	8T-6675	4	CLAMP-HOSE	
	21	1	9G-5127	1	BREATHER (AIR INLET)	
	22	1	032-3237	2	SPACER (10.93X19.05X25.4-MM THK)	
	23	1	269-7217	1	TUBE AS	
	24	2	112-0872	1	ELBOW AS-OUTLET	
	25	1	163-5011	1	TUBE AS (TURBOCHARGER, VENT)	
	26	1	032-1269	1	ELBOW	
	27	2	061-9463	1	CONNECTOR (FLARED)	
	28	2	0L-1143	2	BOLT (3/8-16X2.5-IN)	
	29	2	0S-1571	2	BOLT (3/8-16X1.75-IN)	
	30	2	0S-1594	2	BOLT (3/8-16X1-IN)	
	31	2	1S-4810	1	GASKET-OIL DRAIN	
	32	2	1S-6595	1	GASKET-OIL SUPPLY	
	33	2	2K-4973	8	LOCKNUT (3/8-16-THD)	
	34	1	4H-0553	1	FITTING (SPECIAL)	
	35	1	4L-8337	2	SEAL-O-RING	
	36	1, 2	5P-2675	5	BOLT (1/4-20X1.75-IN)	
	37	1	6L-9777	1	ELBOW-FLARED	
	38	1	8T-6765	1	PLUG-PIPE	
	39	1	9F-8596	1	LUG	
	40	1	9M-4849	1	SEAL-O-RING	
	41	2	9S-8752	2	NUT-FULL (3/8-16-THD)	
	42	2	5B-4685	1	PIN-TAPERED	
	43	2	7D-5363	1	CONNECTOR	
	44	2	269-5502	1	TUBE AS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

AIR INLET AND EXHAUST SYSTEM

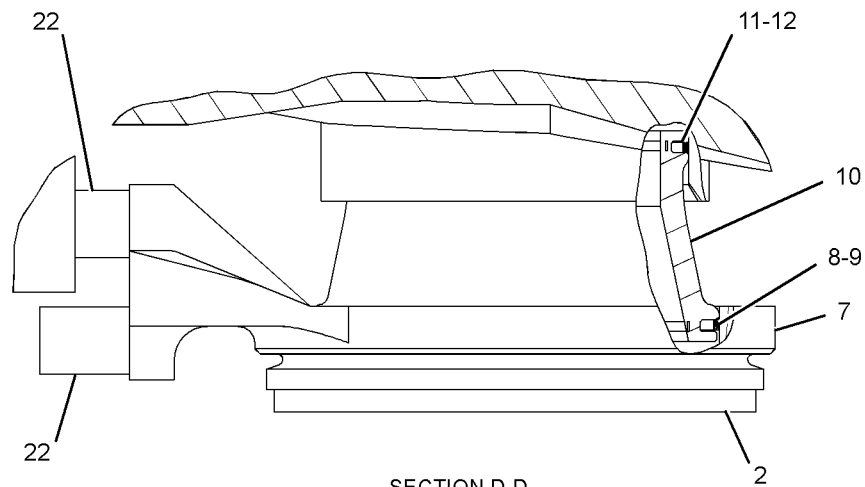
111-9309 TURBOCHARGER GP (contd.)

i03009011



FLYWHEEL HOUSING

RIGHT SIDE VIEW OF ENGINE



SECTION D-D

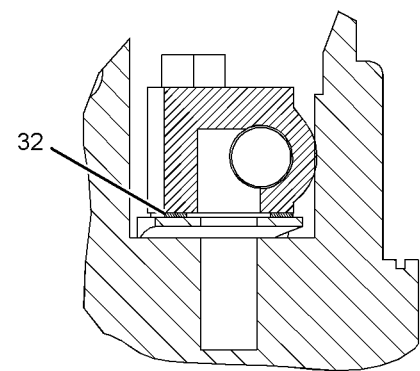
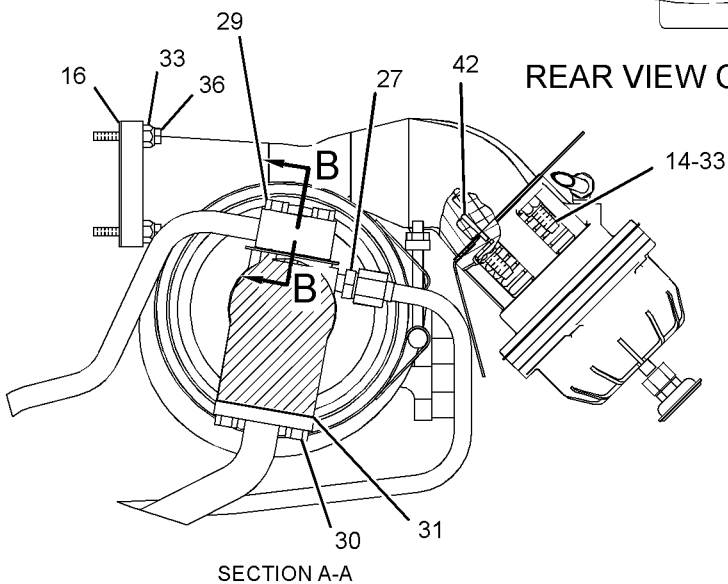
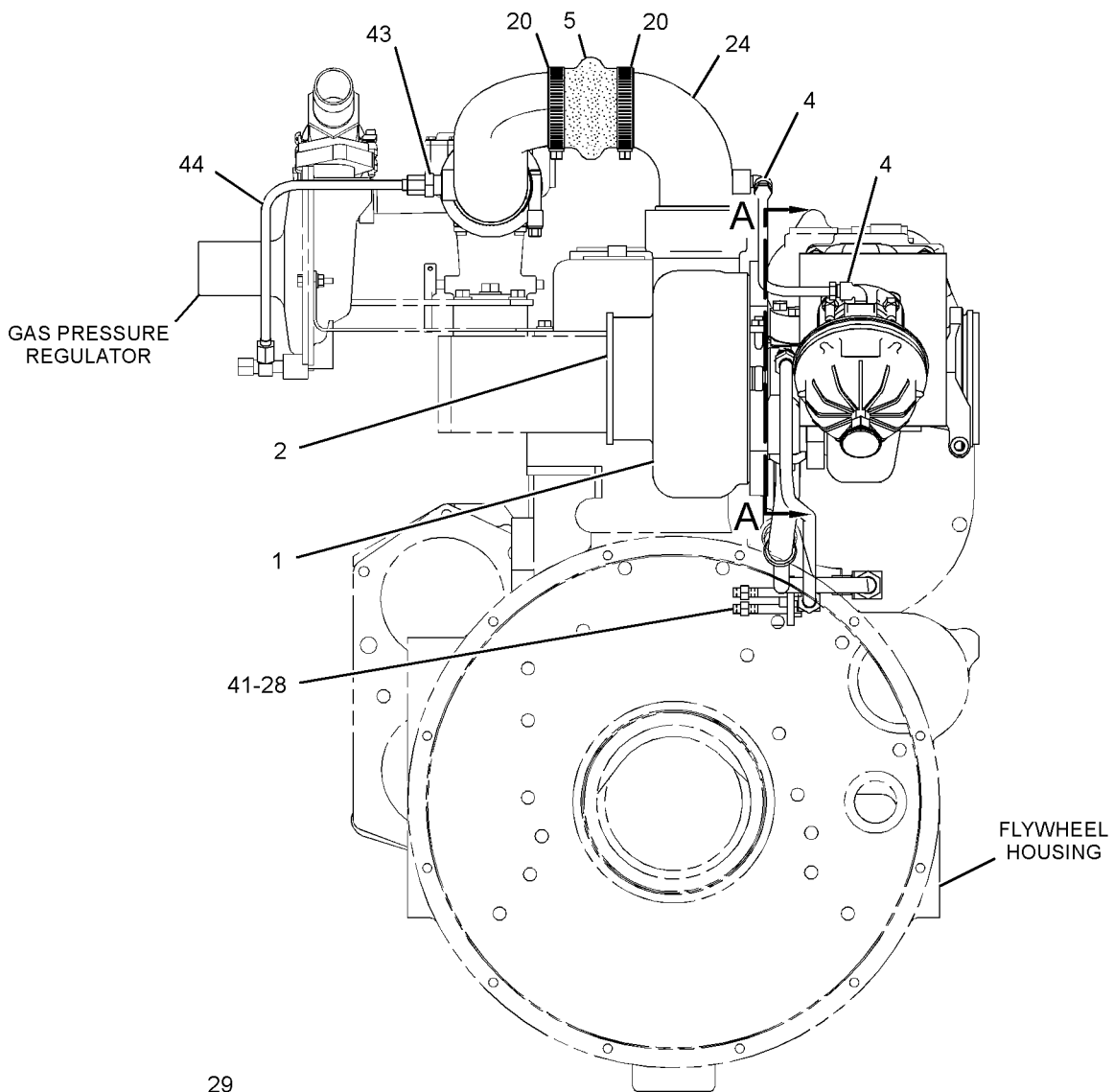
GRAPHIC #1

g01520140

AIR INLET AND EXHAUST SYSTEM

111-9309 TURBOCHARGER GP (contd.)

i03009011



GRAPHIC #2

<END>

g01520141

AIR INLET AND EXHAUST SYSTEM

130-3953 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053

i03018358

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	142-7566	1	BYPASS GP-EXHAUST						127
YR	1P-6082	1	TURBOCHARGER GP						162
	8M-7591	1	STRAINER AS						
	163-5011	1	TUBE AS (TURBOCHARGER, VENT)						
	6N-7752	1	TUBE AS-OIL						
	8N-2393	1	TUBE AS-OIL DRAIN						
	2Y-5249	1	ADAPTER						
	4N-4057	1	ADAPTER						
	0L-1143	2	BOLT (3/8-16X2.5-IN)						
	0S-1571	2	BOLT (3/8-16X1.75-IN)						
	0S-1594	2	BOLT (3/8-16X1-IN)						
	0S-1619	2	BOLT (3/8-16X3-IN)						
	1A-2029	1	BOLT (3/8-16X1.125-IN)						
	8M-2665	1	BREATHING (AIR INLET)						
			-OR-						
	9G-5127	1	BREATHING (AIR INLET)						
	061-9463	1	CONNECTOR (FLARED)						
	6L-8968	1	COUPLING-EXHAUST						
	032-1269	1	ELBOW						
	6L-9777	1	ELBOW-FLARED						
	3B-6552	1	ELBOW-PIPE						
	7J-8611	1	ELBOW-PIPE						
	6L-9542	1	EXPANDER-RING						
	3B-8999	2	FITTING						
	4H-0553	1	FITTING (SPECIAL)						
	3N-4285	2	GASKET						
	7M-7273	1	GASKET						
	1S-4810	1	GASKET-OIL DRAIN						
	1S-6595	1	GASKET-OIL SUPPLY						
	2K-4973	8	LOCKNUT (3/8-16-THD)						
	9S-8752	2	NUT-FULL (3/8-16-THD)						
	8T-6764	1	PLUG-PIPE						
	6L-2961	1	RING						
	6L-2960	1	RING-EXPANDER						
	6L-9541	1	RING-OUTLET						
	9M-4849	1	SEAL-O-RING						
	032-3237	2	SPACER (10.93X19.05X25.4-MM THK)						
	7L-0520	4	STUD-TAPERLOCK (3/8-16X1.968-IN)						
	5L-7632	1	SUPPORT-ELBOW						
	7L-2988	1	TUBE-PILOT						
	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

<END>

AIR INLET AND EXHAUST SYSTEM

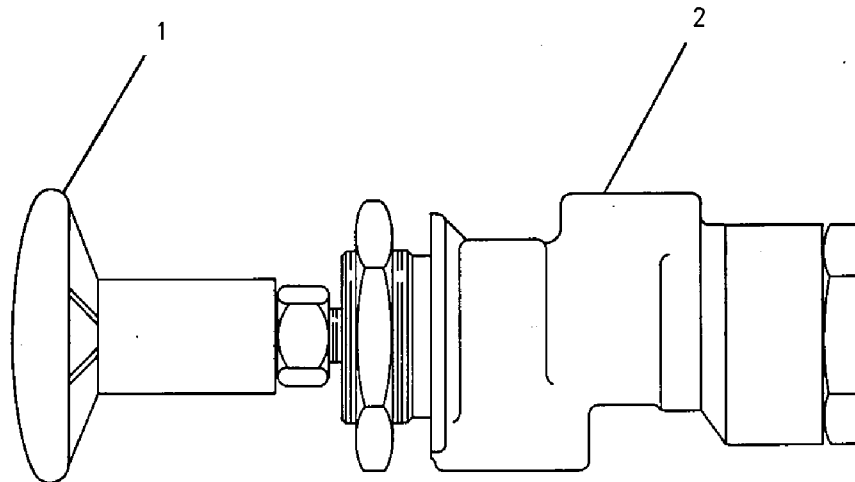
4W-5424 VALVE GP-AIR CONTROL

AN ATTACHMENT

SMCS-1462

i01878808

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-0629	1	KNOB-ENGINE START						
	2	1	2W-6820	1	VALVE-CONTROL (AIR)						



GRAPHIC #1

<END>

g00741020

AIR INLET AND EXHAUST SYSTEM

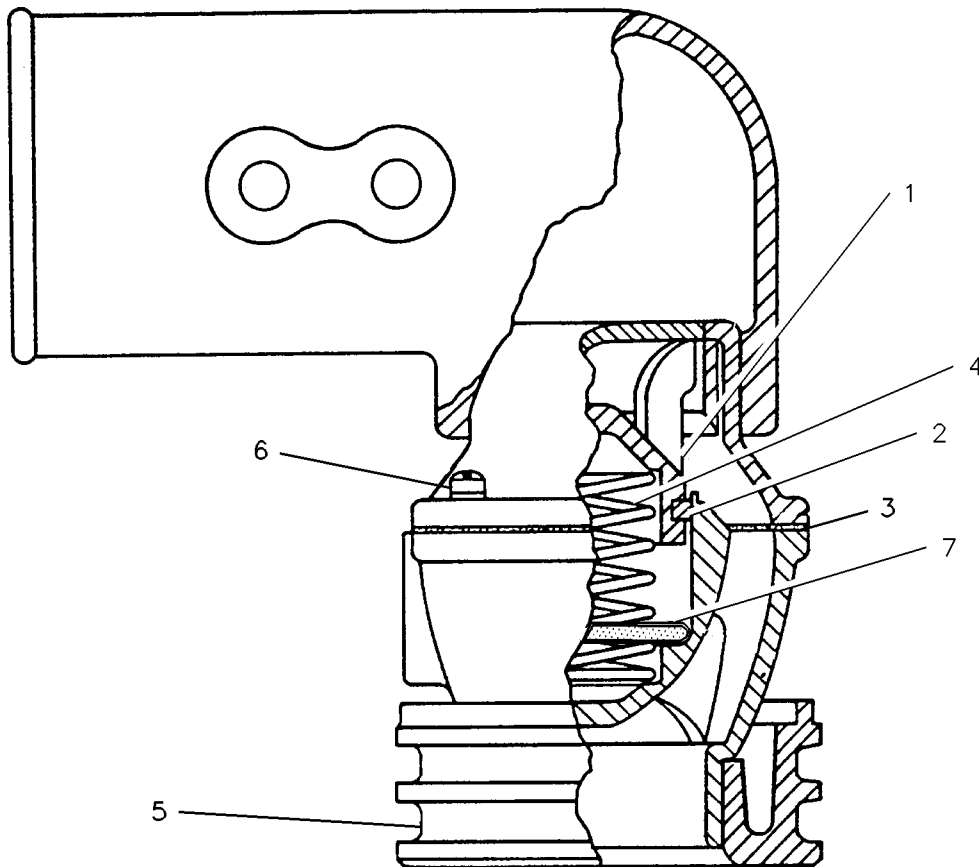
7N-6226 VALVE GP-BOOST CONTROL

PART OF 117-4032, 7N-6238 VALVE GP-BOOST CONTROL
AN ATTACHMENT

SMCS-1081

i01790303

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-6229	1	PISTON-VALVE						
	2	1	7N-6230	1	RING-PISTON						
	3	1	7N-6228	1	GASKET						
	4	1	7N-6231	1	SPRING-VALVE						
	5	1	7N-6232	1	CYLINDER AS						
	6	1	092-4724	4	SCREW AS						
		1	3B-4503	4	LOCKWASHER						
	7	1	2K-8198	1	SEAL-O-RING						



GRAPHIC #1

<END>

g00212373

AIR INLET AND EXHAUST SYSTEM

7N-6238 VALVE GP-BOOST CONTROL

AN ATTACHMENT

SMCS-1081

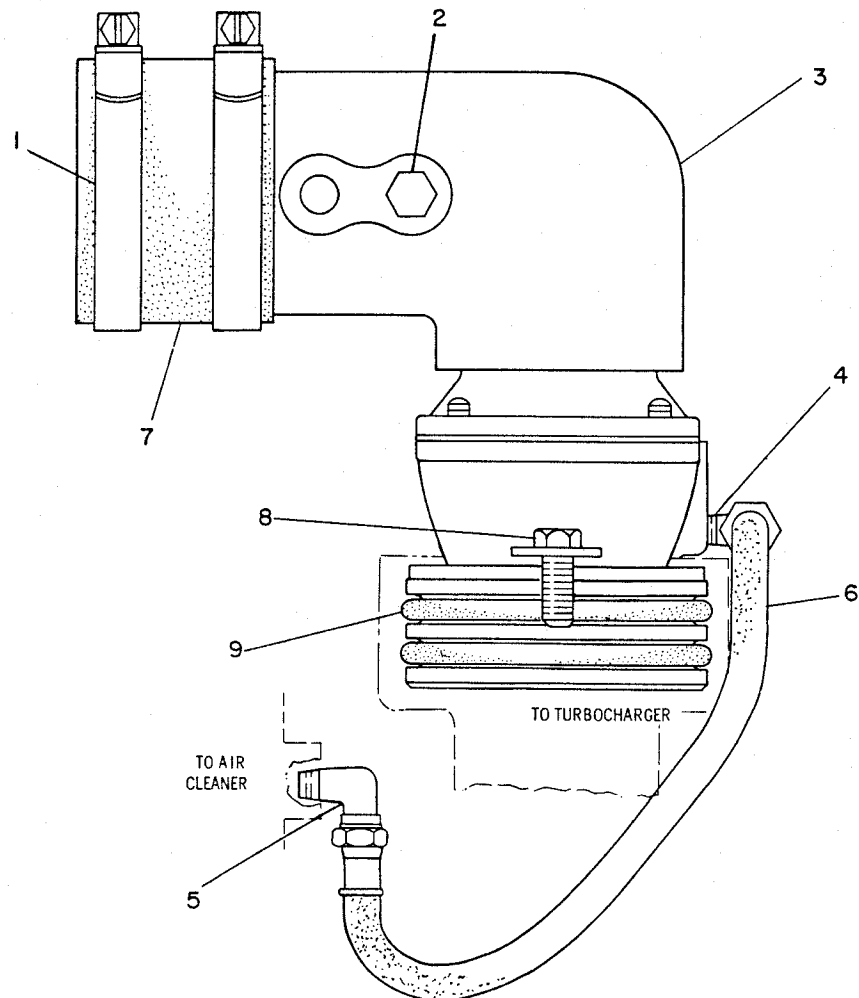
i00908484

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-0598	2	CLAMP						
	2	1	5M-6213	1	PLUG-PIPE						
Y	3	1	7N-6226	1	VALVE GP-BOOST CONTROL						172
	4	1	3B-9406	1	ELBOW-FLARED						
C	5	1	3B-6552	1	ELBOW-PIPE						
CI	6	1	3N-4622	1	HOSE AS						
	7	1	8N-3949	1	HOSE						
	8	1	0L-1351	1	BOLT (3/8-16X0.875-IN)						
		1	3F-1417	1	WASHER (10.3X30.2X3-MM THK)						
	9	1	4L-8337	2	SEAL-O-RING						

C- CHANGE FROM PREVIOUS TYPE

I- REFER TO HYDRAULIC INFORMATION SYSTEM

Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00188232

AIR INLET AND EXHAUST SYSTEM

117-4032 VALVE GP-BOOST CONTROL

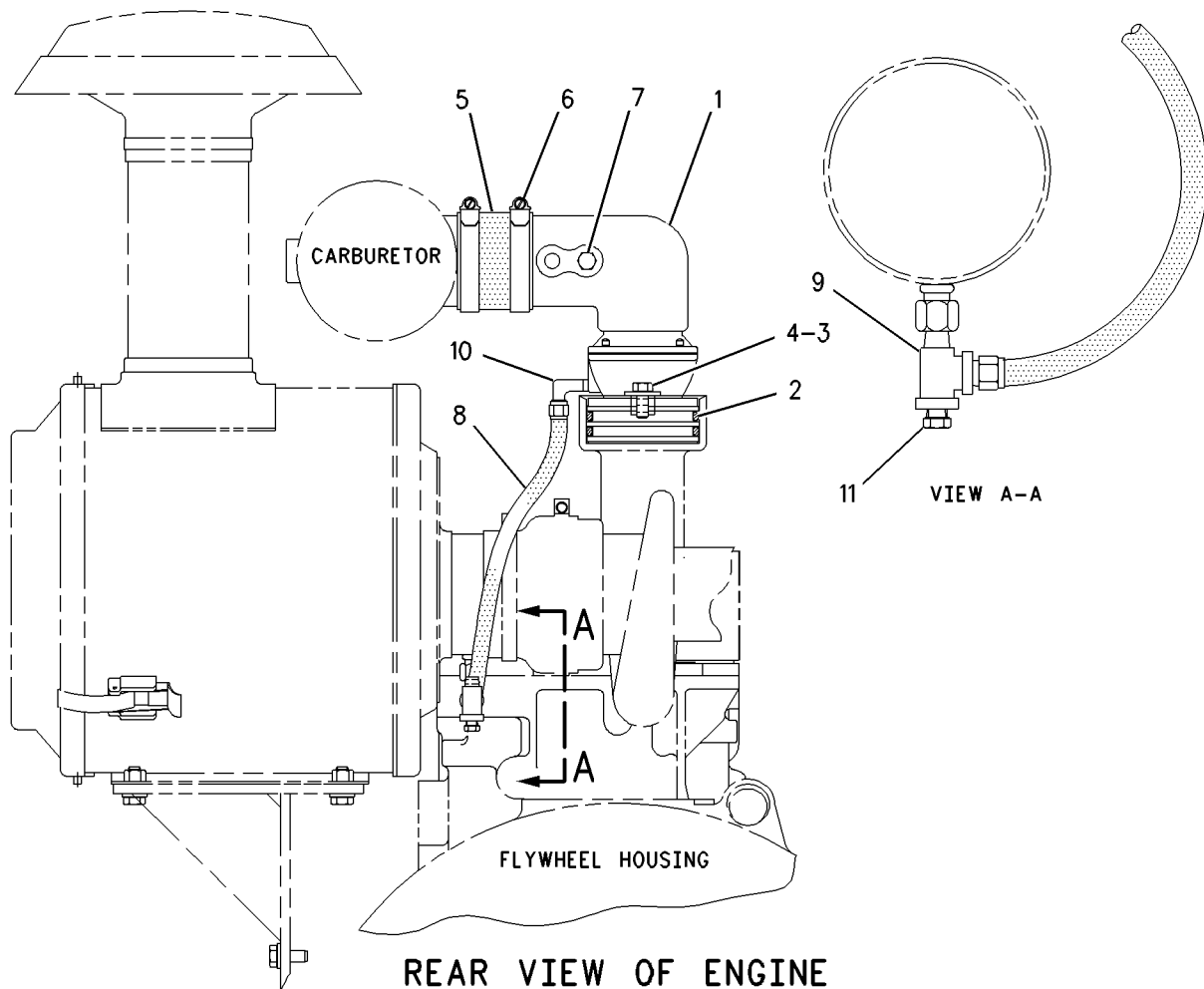
AN ATTACHMENT

SMCS-1081

i01178129

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	7N-6226	1	VALVE GP-BOOST CONTROL	172
	2	1	4L-8337	2	SEAL-O-RING	
	3	1	3F-1417	1	WASHER (10.3X30.2X3-MM THK)	
	4	1	0L-1351	1	BOLT (3/8-16X0.875-IN)	
	5	1	8N-3949	1	HOSE	
	6	1	3E-7404	2	CLAMP-HOSE	
	7	1	8T-6765	1	PLUG-PIPE	
I	8	1	3N-4579	1	HOSE AS	
	9	1	5P-3422	1	TEE-PIPE	
	10	1	5P-4479	1	ELBOW (FLARED-LONG)	
	11	1	8T-6764	1	PLUG-PIPE	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00630646

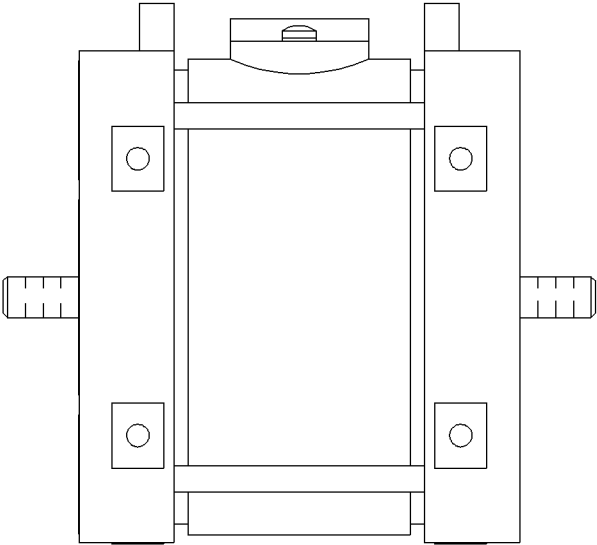
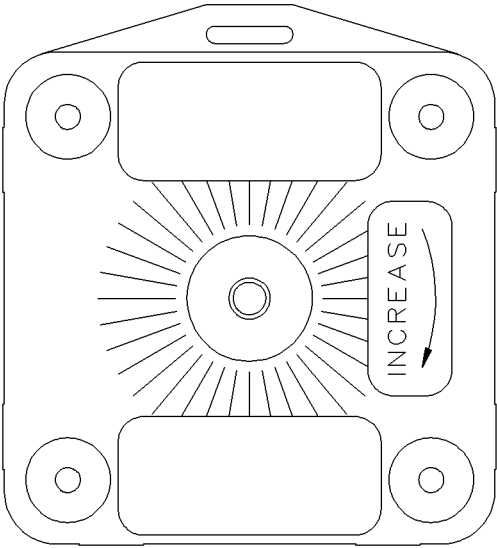
FUEL SYSTEM

7E-0598 ACTUATOR AS-GOVERNOR
24 VOLT
AN ATTACHMENT

SMCS-1716

i01504416

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00778071

FUEL SYSTEM

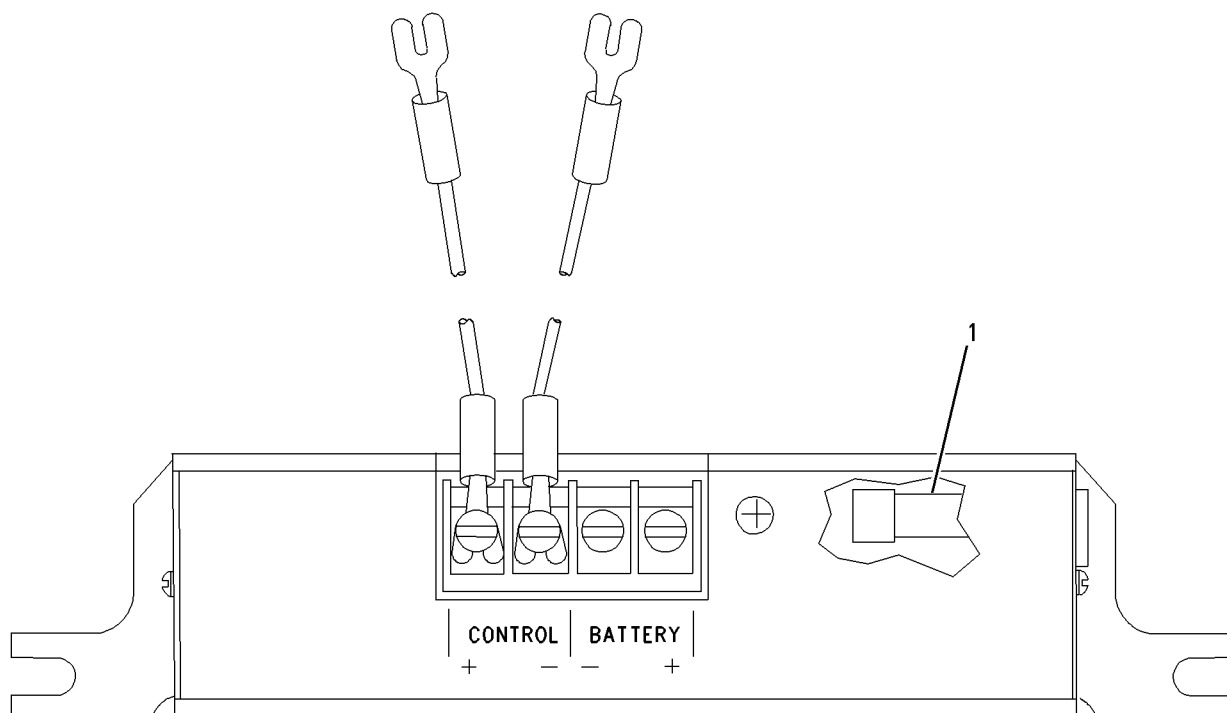
4W-5391 BOX AS-GOVERNOR PREREGULATOR

PART OF 4W-9314 GOVERNOR AS-ELECTRONIC, 7W-3401 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1264

i02319945

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
B	1	1	7T-0037	3	FUSE (0.75-AMPERE)						
B-USE AS REQUIRED											



GRAPHIC #1

<END>

g00758599

FUEL SYSTEM

7E-1814 CARBURETOR AS

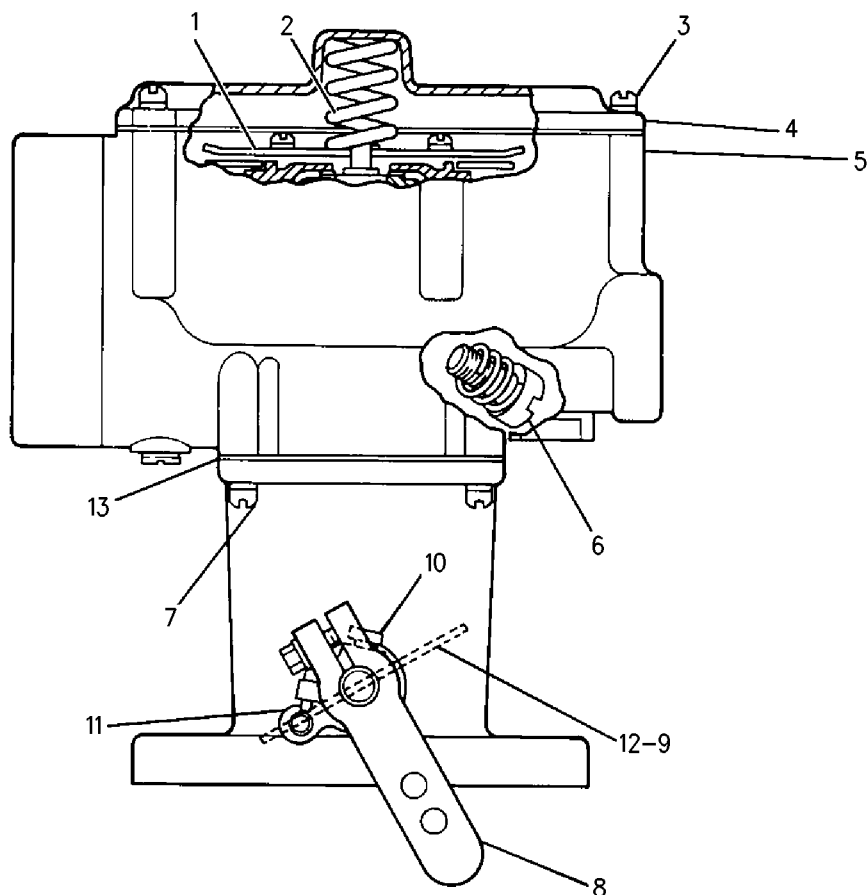
NATURAL GAS

PART OF 7N-5901, 7N-5902 CARBURETOR GP
AN ATTACHMENT

SMCS-1266

i01793833

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-5288	1	DIAPHRAGM AS						
	2	1	6L-5281	1	SPRING						
	3	1	9B-1722	5	SCREW (10-24X0.5-IN)						
		1	009-8378	5	WASHER (0.194X0.35X0.056-IN THK)						
	4	1	6L-5283	1	COVER						
	5	1	6L-8041	1	BASE AS						
	6	1	6L-8043	1	SCREW-IDLE						
		1	6L-8042	1	SPRING-SCREW						
	7	1	092-4724	4	SCREW AS						
	8	1	7E-1813	1	THROTTLE AS						
		1	6L-8049	1	LEVER AS						
	9	1	7N-6506	1	SHAFT-THROTTLE						
	10	1	6L-5296	1	SCREW-PIN (10-32X0.75-IN)						
	11	1	6L-8048	1	LEVER AS-STOP						
	12	1	6L-8047	1	DISC-THROTTLE						
	13	1	6L-8044	1	GASKET						
AVAILABLE REPAIR KIT(S) :											
			7E-1812	1	KIT-BEARING						



GRAPHIC #1

<END>

g00917249

FUEL SYSTEM

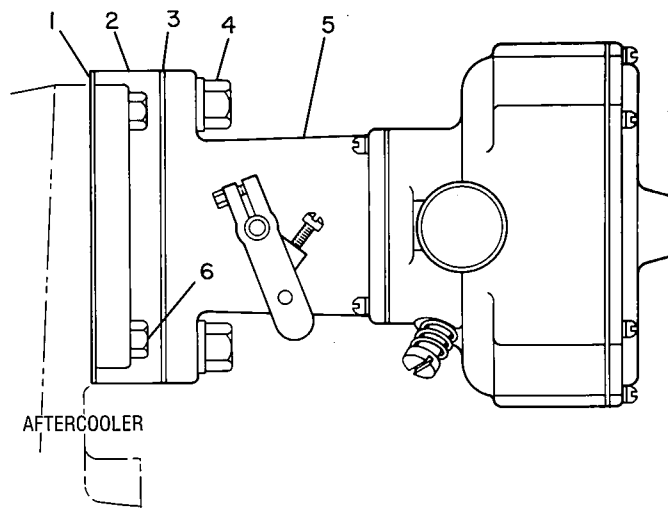
7N-5901 CARBURETOR GP AN ATTACHMENT

SMCS-1266

i01793931

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-9691	1	GASKET - FLANGE						
	2	1	7N-2050	1	ADAPTER						
	3	1	3L-1585	1	GASKET						
	4	1	0T-0320	2	BOLT (7/16-14X1.25-IN)						
		1	5P-8244	2	WASHER-HARD (12X22.5X2.5-MM THK)						
YC	5	1	7E-1814	1	CARBURETOR AS						177
	6	1	1B-2790	4	BOLT (5/16-18X1.375-IN)						

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00204591

FUEL SYSTEM

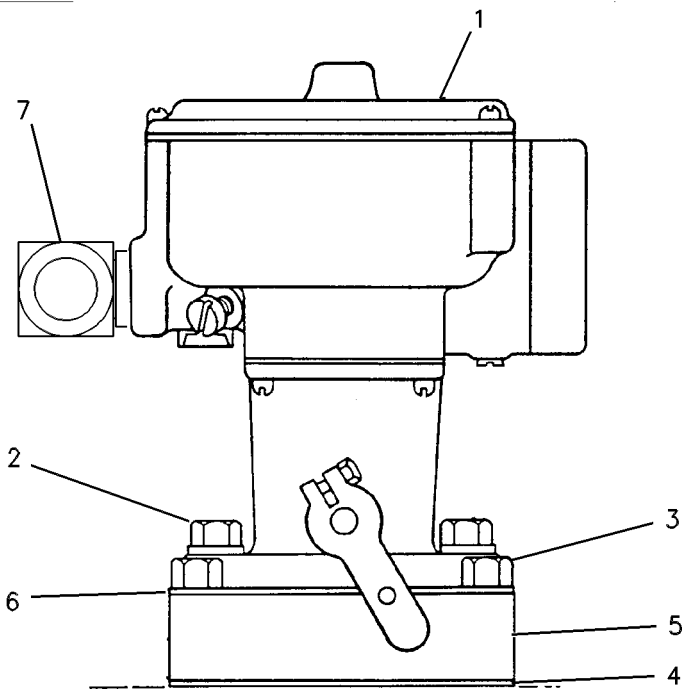
7N-5902 CARBURETOR GP AN ATTACHMENT

SMCS-1266

i01790307

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YC	1	1	7E-1814	1	CARBURETOR AS	177
	2	1	0T-0320	2	BOLT (7/16-14X1.25-IN)	
		1	5P-8244	2	WASHER-HARD (12X22.5X2.5-MM THK)	
	3	1	0S-1590	4	BOLT (3/8-16X2-IN)	
	4	1	5S-6735	1	GASKET	
	5	1	7N-2979	1	ADAPTER-CARBURETOR	
	6	1	3L-1585	1	GASKET	
	7	1	003-9163	1	ELBOW	

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00248424

FUEL SYSTEM

132 - 1163 CARBURETOR GP AN ATTACHMENT

SMCS - 1266

i02775811

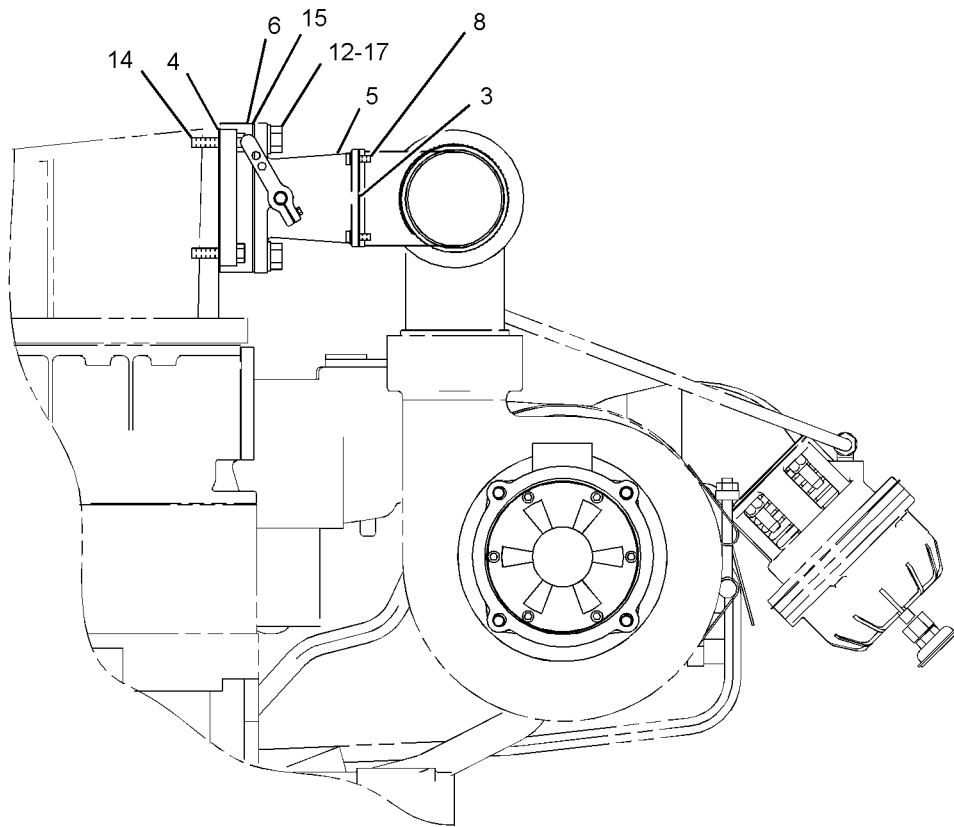
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-0599	1	CLAMP-BAND						
	2	1	5P-1717	1	CLAMP-HOSE						
	3	1	6L-8044	1	GASKET						
	4	1	6L-9691	1	GASKET-FLANGE						
	5	1	7E-1813	1	THROTTLE AS						
		1	6L-5296	1	SCREW-PIN (10-32X0.75-IN)						
		1	6L-8047	1	DISC-THROTTLE						
		1	6L-8048	1	LEVER AS-STOP						
		1	6L-8049	1	LEVER AS						
		1	7N-6506	1	SHAFT-THROTTLE						
	6	1	7N-2050	1	ADAPTER						
	7	1	8N-2760	1	HOSE						
	8	1	092-4724	4	SCREW AS (12-24X15.9-MM)						
					(EACH INCLUDES)						
		1	3B-4503	1	LOCKWASHER						
	9	1	132-1165	1	TUBE AS						
Y	10	1	136-3089	1	CARBURETOR GP						182
	11	1	0S-1618	4	BOLT (5/16-18X1-IN)						
	12	1	0T-0320	2	BOLT (7/16-14X1.25-IN)						
	13	1	132-1164	1	GASKET						
	14	1	1B-2790	4	BOLT (5/16-18X1.375-IN)						
	15	1	3L-1585	1	GASKET						
	16	1	4B-3388	4	BOLT (5/16-18X1.125-IN)						
	17	1	5P-8244	2	WASHER-HARD (12X22.5X2.5-MM THK)						
	18	1	5S-1187	1	GASKET						
	19	1	9M-1974	8	WASHER-HARD (8.8X16X2-MM THK)						

Y- SEPARATE ILLUSTRATION

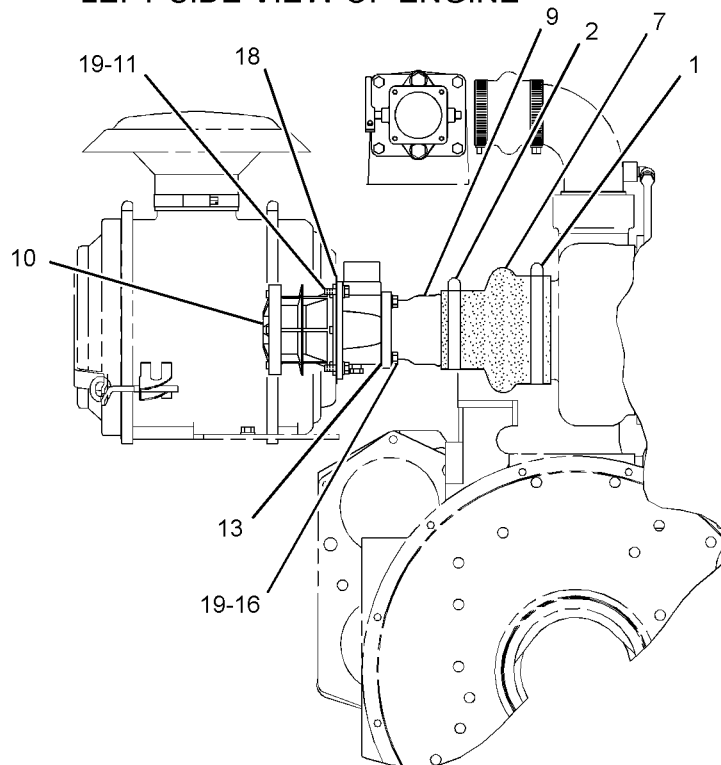
FUEL SYSTEM

132 - 1163 CARBURETOR GP (contd.)

i02775811



LEFT SIDE VIEW OF ENGINE



REAR VIEW OF ENGINE

GRAPHIC #1

<END>

g01406534

FUEL SYSTEM

136 - 3089 CARBURETOR GP

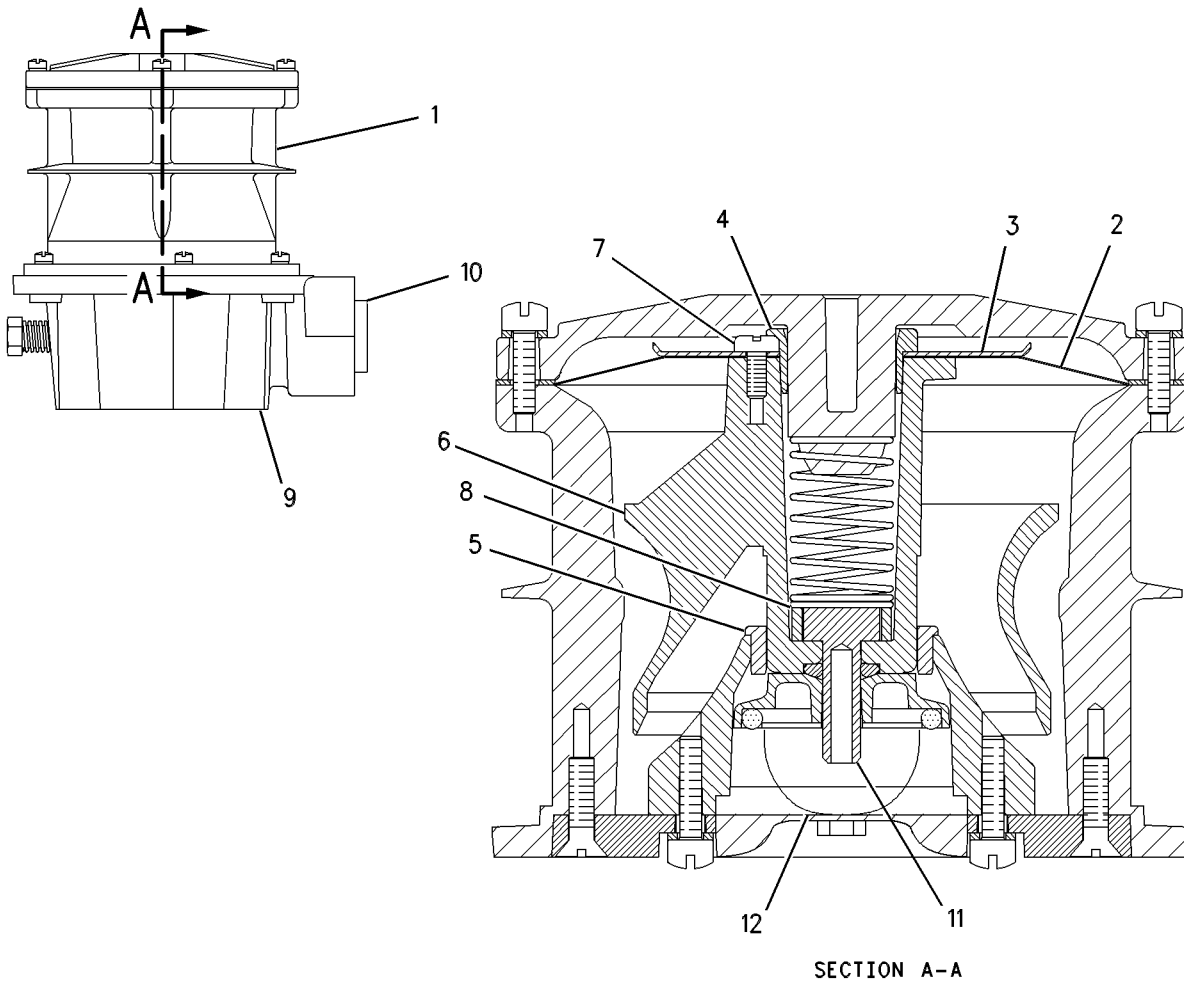
PART OF 132-1163 CARBURETOR GP
AN ATTACHMENT

SMCS - 1266

i01849071

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-9630	1	BODY AS						
	2	1	139-1442	1	DIAPHRAGM						
	3	1	139-1443	1	PLATE						
	4	1	139-1444	1	BUSHING-UPPER						
	5	1	139-1445	1	BUSHING-LOWER						
	6	1	139-1446	1	VALVE-AIR						
	7	1	139-1447	4	SCREW (NO.6)						
	8	1	154-9633	1	SPACER						
	9	1	154-9634	1	BODY AS						
B	10	1	154-9636	1	JET						
B	11	1	154-9681	1	VALVE						
B	12	1	154-9683	1	JET						

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00455996

FUEL SYSTEM

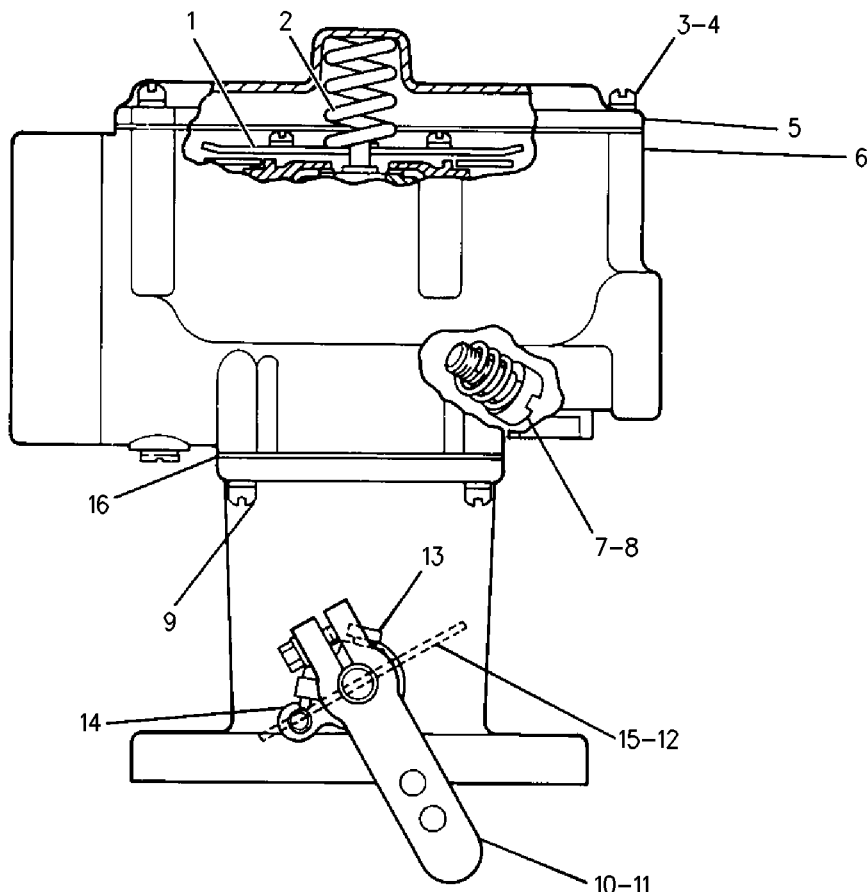
191-1810 CARBURETOR GP

PART OF 193-3949 CONVERSION AR
AN ATTACHMENT

SMCS-1266

i01542423

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	133-9096	1	DIAPHRAGM AS						
	2	1	6L-5281	1	SPRING						
	3	1	9B-1722	1	SCREW (10-24X0.5-IN)						
	4	1	009-8378	1	WASHER (0.194X0.35X0.056-IN THK)						
	5	1	6L-5283	1	COVER						
	6	1	6L-8041	1	BASE AS						
	7	1	6L-8043	1	SCREW-IDLE						
	8	1	6L-8042	1	SPRING-SCREW						
	9	1	092-4724	1	SCREW AS						
		1	3B-4503	1	LOCKWASHER						
	10	1	7E-1813	1	THROTTLE AS						
	11	1	6L-8049	1	LEVER AS						
	12	1	7N-6506	1	SHAFT-THROTTLE						
	13	1	6L-5296	1	SCREW-PIN (10-32X0.75-IN)						
	14	1	6L-8048	1	LEVER AS-STOP						
	15	1	6L-8047	1	DISC-THROTTLE						
	16	1	6L-8044	1	GASKET						
AVAILABLE REPAIR KIT(S) :											
			7E-1812	1	KIT-BEARING						



GRAPHIC #1

<END>

g00808356

FUEL SYSTEM

131 - 5451 CONTROL AS - GOVERNOR - SPEED CONTROL

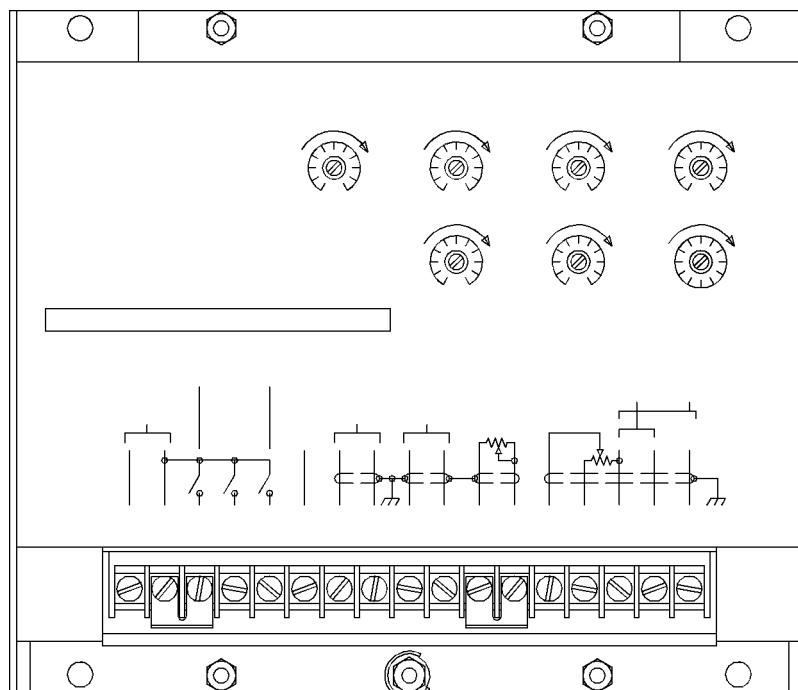
PART OF 4P - 6554 GOVERNOR AS - ELECTRONIC

AN ATTACHMENT

SMCS - 1264

i02078072

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g01065917

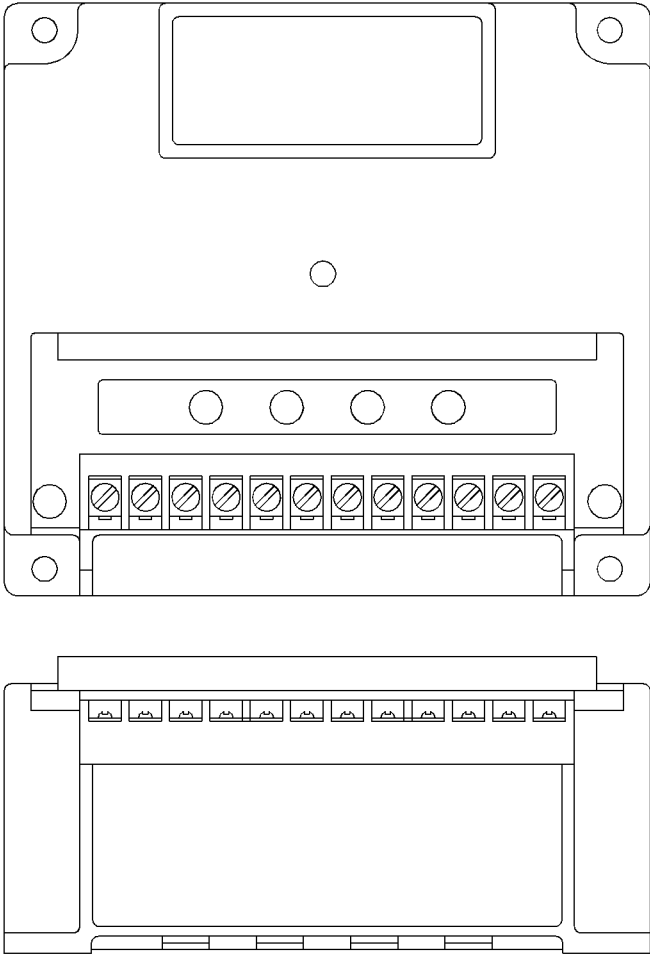
FUEL SYSTEM

131 - 5456 CONTROL AS - GOVERNOR - SPEED CONTROL
WITH START FUEL LIMIT
AN ATTACHMENT

SMCS - 1264

i03018359

NOTE	REF	GRAPHIC	PART NUMBER	QTY	PART NAME							SEE	
	NO	REF			1	2	3	4	5	6	(PRODUCT LEVEL)		PAGE
	(NO SERVICED PARTS)												



GRAPHIC #1

<END>

g01526602

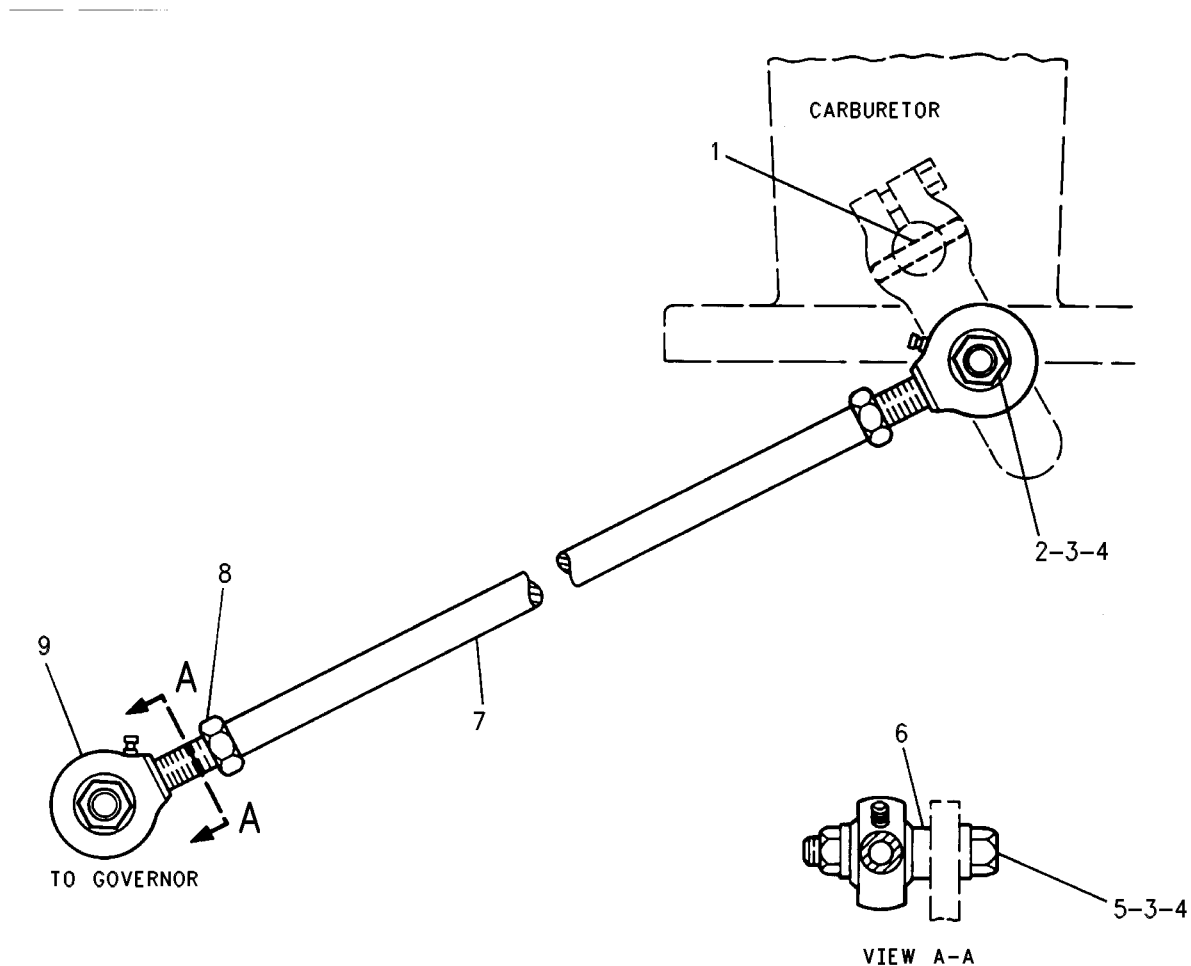
FUEL SYSTEM

7N-4358 CONTROL GP-CARBURETOR AN ATTACHMENT

SMCS-1266

i00929724

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5H-1351	1	PIN-SPRING						
	2	1	9F-6580	1	BOLT (1/4-20X1.125-IN)						
	3	1	2D-6235	2	LOCKNUT (1/4-20 THD)						
	4	1	5P-0537	4	WASHER-HARD (7.2X14.5X2-MM THK)						
	5	1	9F-7022	1	BOLT (1/4-20X1.5-IN)						
	6	1	4D-3088	1	WASHER (0.266X0.438X0.19-IN THK)						
	7	1	7N-3463	1	ROD-CARBURETOR CONTROL						
	8	1	1A-8285	2	NUT-JAM (5/16-24-THD)						
	9	1	6L-3353	2	ROD END-BEARING						



GRAPHIC #1

<END>

g00474644

FUEL SYSTEM

7N-6107 CONTROL GP-CARBURETOR AN ATTACHMENT

SMCS-1266

i01123190

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	1V-7368	2	SPACER (0.364X0.54X1.06-IN THK)						
C	2	1	9F-7022	1	BOLT (1/4-20X1.5-IN)						
	3	1	5P-0537	10	WASHER-HARD (7.2X14.5X2-MM THK)						
	4	1	2D-6235	6	LOCKNUT (1/4-20 THD)						
	5	1	5H-1351	1	PIN-SPRING						
	6	1	6L-3353	4	ROD END-BEARING						
	7	1	7N-2983	1	ROD						
	8	1	7N-3513	1	SUPPORT AS-LINKAGE						
	9	1	7L-6910	2	BEARING						
	10	1	7L-4964	2	FITTING-DRIVE						
	11	1	0S-1594	3	BOLT (3/8-16X1-IN)						
		1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	12	1	5S-8055	1	GASKET						
	13	1	5H-2532	2	KEY-WOODRUFF						
	14	1	7N-2984	1	SHAFT-CARBURETOR CONTROL						
	15	1	5B-2968	2	WASHER						
	16	1	3B-4617	2	PIN-COTTER						
	17	1	9F-8249	2	LEVER-CONTROL						
	18	1	2A-5546	1	BOLT (1/4-20X1.375-IN)						
	19	1	7B-2742	2	BOLT (1/4-20X1.25-IN)						
	20	1	1A-8285	4	NUT-JAM (5/16-24-THD)						
	21	1	7N-2982	2	ROD						
B	22	1	1D-4533	1	BOLT (1/4-20X2.25-IN)						
	23	1	2V-8652	1	SPACER (6.75X10.32X10-MM THK)						

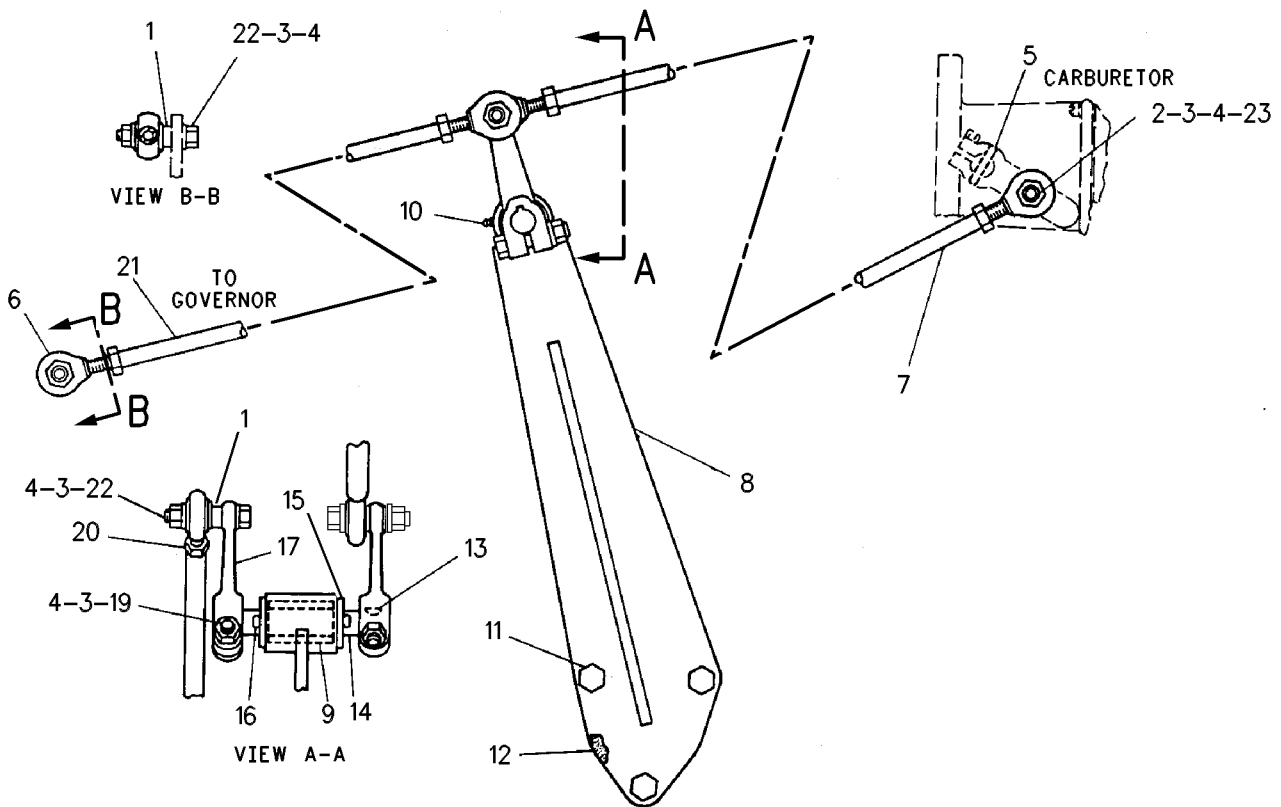
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

FUEL SYSTEM

7N-6107 CONTROL GP-CARBURETOR (contd.)

i01123190



GRAPHIC #1

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g00477275

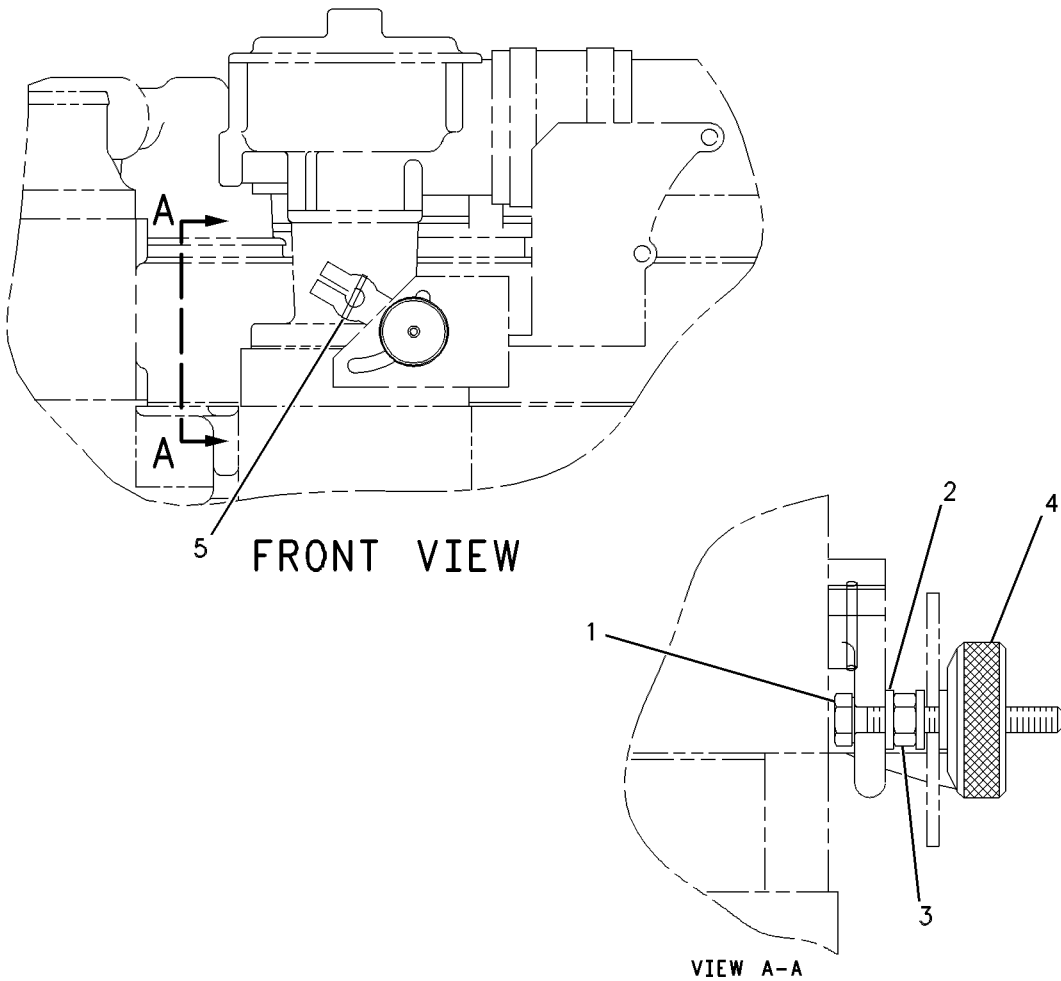
FUEL SYSTEM

110-4910 CONTROL GP-CARBURETOR AN ATTACHMENT

SMCS-1266

i00906912

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-3935	1	BOLT						
	2	1	5P-0537	3	WASHER (2MM THK)						
	3	1	9S-8748	1	NUT-FULL (1/4-28 THD)						
	4	1	6B-5150	1	LOCKNUT						
	5	1	5H-1351	1	PIN-SPRING						



GRAPHIC #1

<END>

g00288931

FUEL SYSTEM

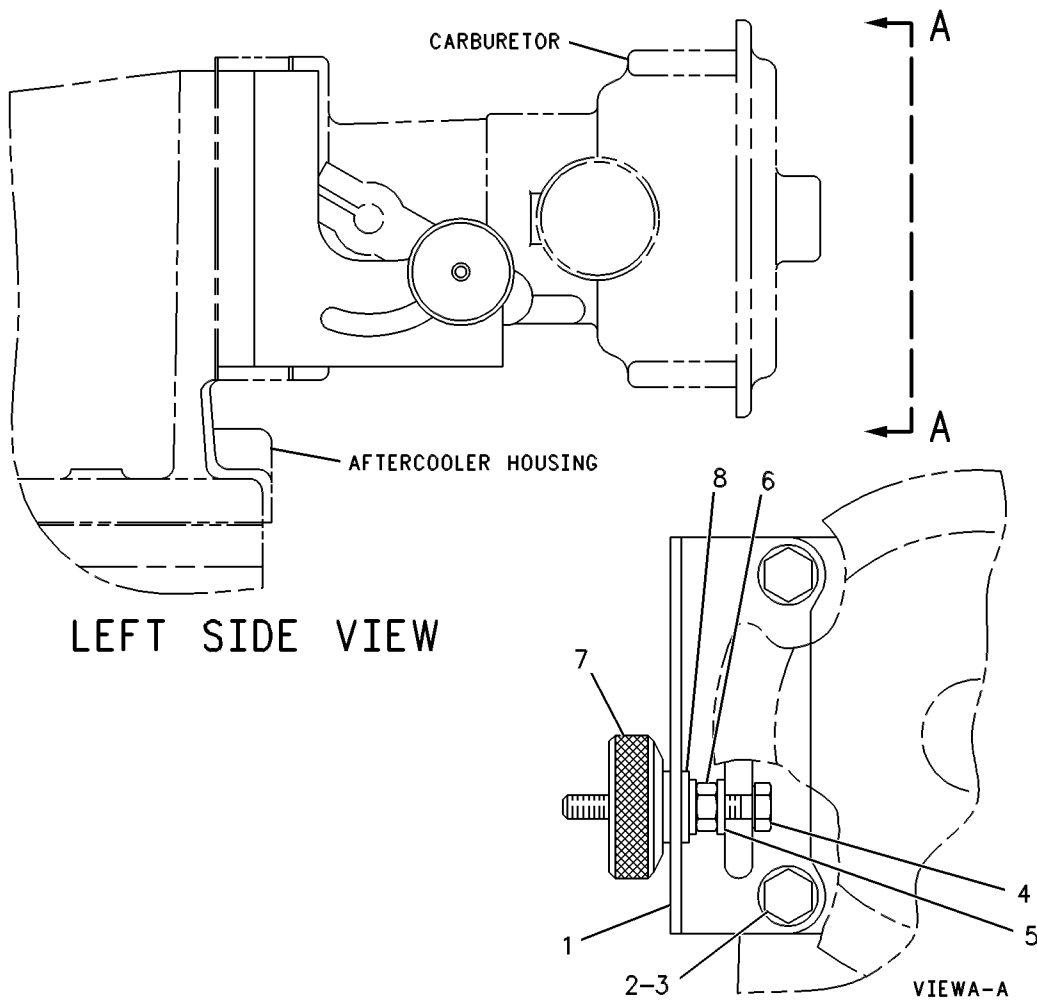
110-5452 CONTROL GP-CARBURETOR

IRRIGATION
AN ATTACHMENT

SMCS-1266

i00906946

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	110-5453	1	BRACKET - CONTROL						
	2	1	1A-9579	2	BOLT (5/16-18X1.5-IN)						
	3	1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)						
	4	1	3N-3935	1	BOLT (1/4-28X2-IN)						
	5	1	5P-0537	2	WASHER-HARD (7.2X14.5X2-MM THK)						
	6	1	9S-8748	1	NUT-FULL (1/4-28-THD)						
	7	1	6B-5150	1	LOCKNUT						
	8	1	5P-4115	2	WASHER-HARD (7.2X19X2-MM THK)						



GRAPHIC #1

<END>

g00248332

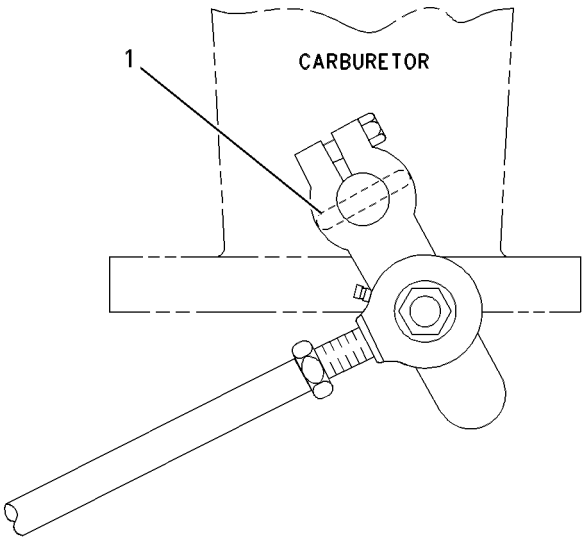
FUEL SYSTEM

140-2166 CONTROL GP-CARBURETOR
AN ATTACHMENT

SMCS-1266

i00907535

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5H-1351	1	PIN-SPRING						



GRAPHIC #1

<END>

g00294164

FUEL SYSTEM

7E-8396 CONTROL GP-FUEL-AUXILIARY

PART OF 103-4773 PANEL AR-CONTROL

AN ATTACHMENT

SMCS-1265

i02822130

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	4W-8790	1	BLOCK-FUSE						
	9Y-9781	1	FILM-IDENTIFICATION (FUSE) (20-AMPERE)						
	8M-0456	1	FUSE (20-AMPERE)						
	3T-2170	1	RELAY AS (24-VOLT)						
			-OR-						
	9Y-2921	1	RELAY (24-VOLT)						
<END>									

FUEL SYSTEM

4N-3829 CONTROL GP-GOVERNOR

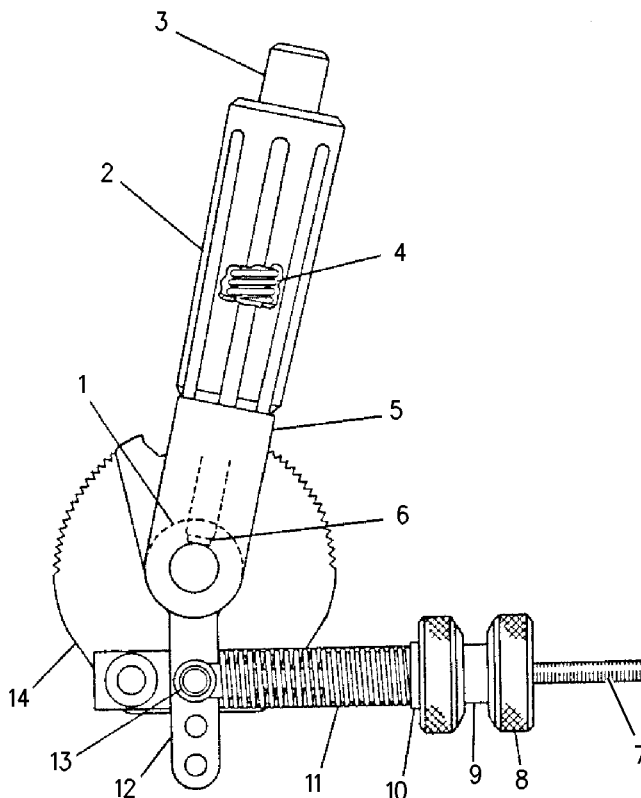
POSITIVE LOCK & VERNIER
PART OF 4N-3831 CONTROL GP-GOVERNOR
AN ATTACHMENT

SMCS-1265, 1276

i01791102

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8L-4282	1	HUB						
	2	1	4N-4523	1	HANDLE AS						
C	3	1	4W-2541	1	SHAFT-GOVERNOR CONTROL						
C	4	1	4W-2542	1	SPRING						
	5	1	4N-4520	1	GUIDE						
	6	1	5K-0605	1	PLUG						
	7	1	3N-3786	1	ROD-THROTTLE CONTROL						
	8	1	6B-5150	2	LOCKNUT						
	9	1	3N-3787	1	BRACKET-CONTROL						
	10	1	4J-6750	1	SPACER						
	11	1	2H-0210	1	SPRING-SHUTOFF						
	12	1	4N-4519	1	QUADRANT-CONTROL						
	13	1	1K-6539	1	PIN						
		1	3B-4604	1	PIN-COTTER						
C	14	1	6N-0775	1	RATCHET-GOVERNOR CONTROL						

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

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g00917619

FUEL SYSTEM

4N-3830 CONTROL GP-GOVERNOR

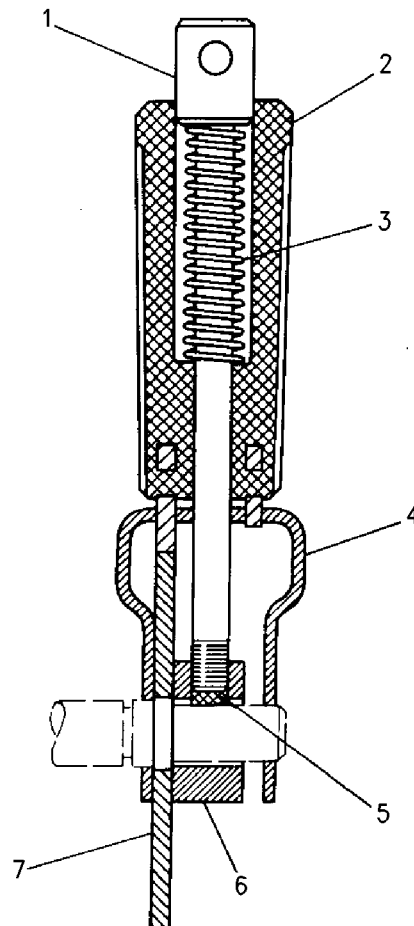
POSITIVE LOCK

PART OF 4N-3835 CONTROL GP-GOVERNOR
AN ATTACHMENT

SMCS-1265, 1276

i01793820

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-2541	1	SHAFT-GOVERNOR CONTROL						
	2	1	4N-4523	1	HANDLE AS						
	3	1	4W-2542	1	SPRING						
	4	1	4N-4520	1	GUIDE						
	5	1	5K-0605	1	PLUG						
	6	1	8L-4282	1	HUB						
C	7	1	6N-0775	1	RATCHET-GOVERNOR CONTROL						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00744117

FUEL SYSTEM

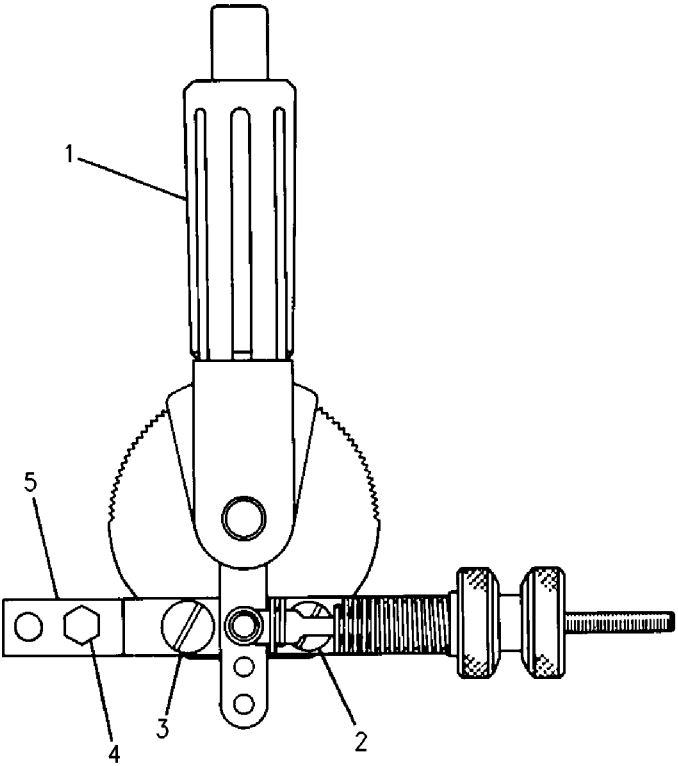
4N-3831 CONTROL GP-GOVERNOR

VERNIER & POSITIVE LOCKING
AN ATTACHMENT

SMCS-1265, 1276

i01791105

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	4N-3829	1	CONTROL GP-GOVERNOR	193
	2	1	1H-8657	1	SCREW-MACHINE (5/16-18X.85 IN)	
	3	1	5P-0399	1	SCREW-MACHINE (5/16-18X1.75)	
	4	1	1A-9579	1	BOLT (5/16-18X1.5 IN)	
	5	1	8L-8878	1	SPACER-GOVERNOR CONTROL	
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00917618

FUEL SYSTEM

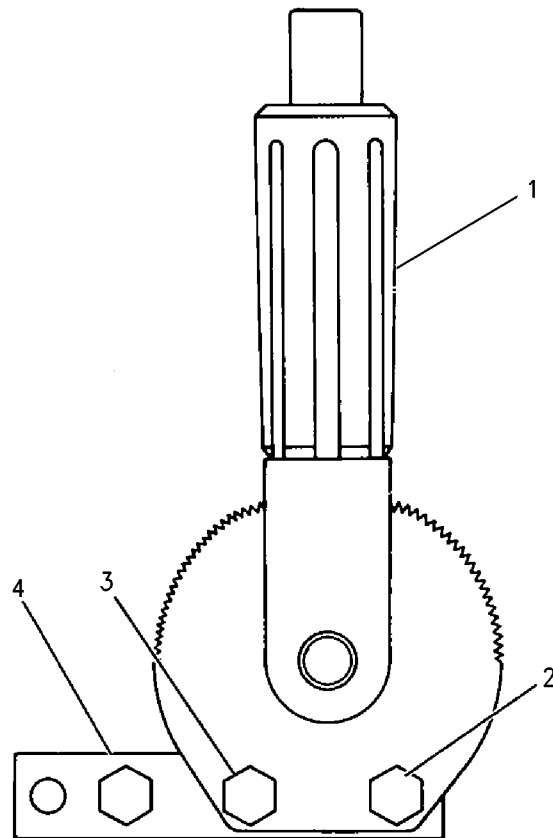
4N-3835 CONTROL GP-GOVERNOR

AN ATTACHMENT

SMCS-1265, 1276

i01792887

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	4N-3830	1	CONTROL GP-GOVERNOR	194
	2	1	0S-1617	1	BOLT (5/16-18X0.75 IN)	
	3	1	1B-2790	2	BOLT (5/16-18X1.375 IN)	
	4	1	8L-8878	1	SPACER-GOVERNOR CONTROL	
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00917690

FUEL SYSTEM

110-4907 COVER GP-GOVERNOR AN ATTACHMENT

SMCS-1264

i00914558

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1566	2	BOLT (5/8-11X1.5-IN)						
	3B-1915	3	BOLT (3/8-16X1.375-IN)						
Y	5R-4136	1	COVER GP-FRONT HOUSING						
	129-4322	1	COVER-WATER PUMP						
	7N-0200	1	GASKET						
	2P-0220	1	GASKET - PUMP						
	8T-6765	1	PLUG-PIPE						
YR	2W-8001	1	PUMP GP-WATER						
	5F-3106	1	SEAL - O-RING						
	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	4D-3704	2	WASHER-HARD (17X30X5-MM THK)						
R-REMFG PART MAY BE AVAILABLE									
Y-SEPARATE ILLUSTRATION									

<END>

FUEL SYSTEM

7N-4360 DRIVE GP-GOVERNOR AN ATTACHMENT

SMCS-1288

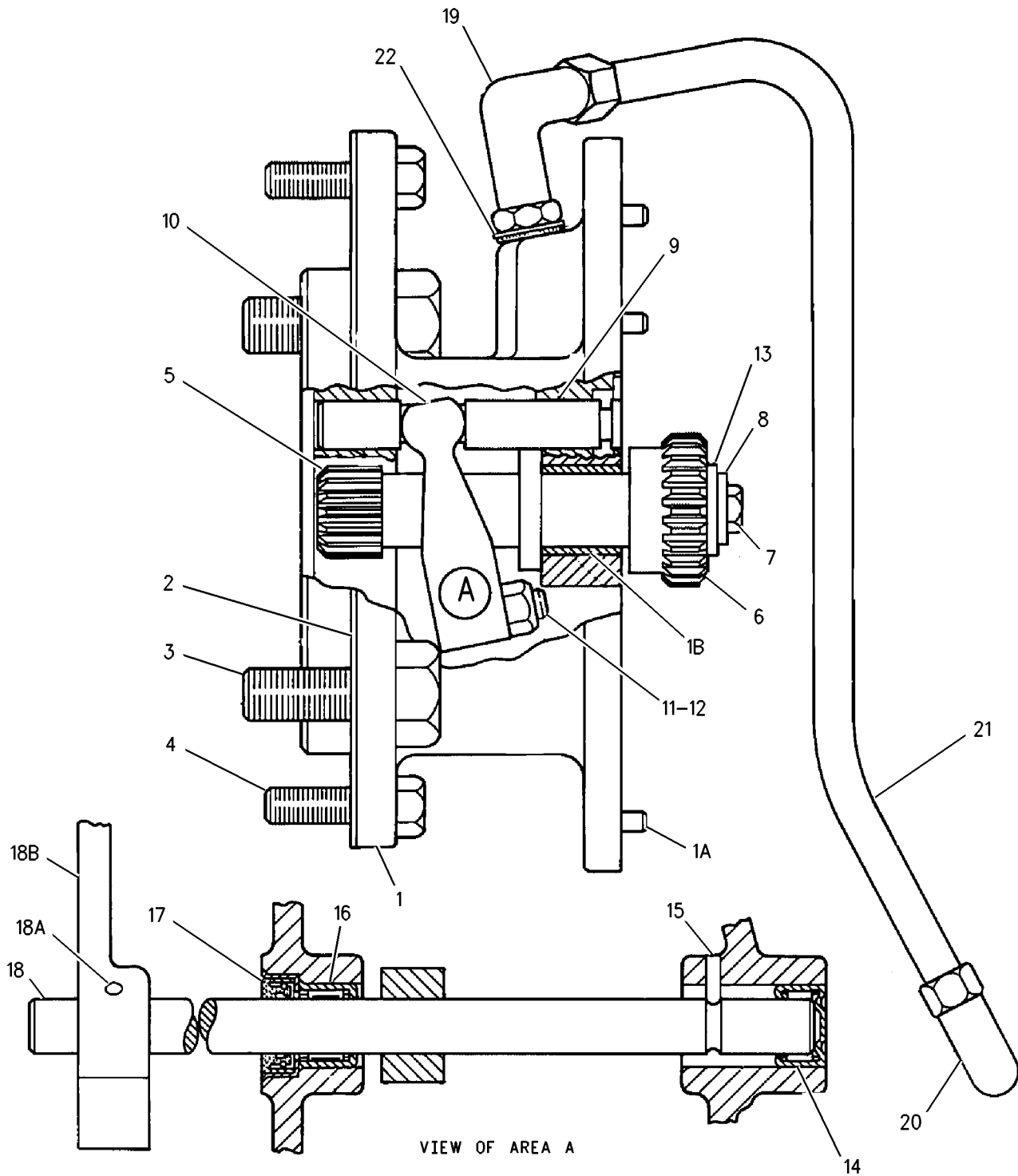
i01787081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1W-9112	1	HOUSING AS-DRIVE	
	1A	1	2F-4547	4	DOWEL	
	1B	1	8L-6376	1	BEARING-SLEEVE	
	2	1	2P-0220	1	GASKET-PUMP	
	3	1	0S-1589	2	BOLT (5/8-11X1.75-IN)	
	4	1	3B-1915	3	BOLT (3/8-16X1.375-IN)	
	5	1	7N-2374	1	SHAFT AS-GOVERNOR DRIVE	
	6	1	1W-0936	1	GEAR-GOVERNOR DRIVE (29-TEETH) (29 TEETH)	
	7	1	8B-2377	1	BOLT (1/4-20X2-IN)	
	8	1	3S-1208	1	WASHER-CONICAL	
	9	1	7N-2372	1	SHAFT-RACK CONTROL	
	10	1	3N-4293	1	LEVER-GOVERNOR	
	11	1	2R-0504	1	NUT (5/16-18-THD)	
	12	1	3N-4292	1	BOLT	
	13	1	8M-2337	1	WASHER (7.2X24.5X3-MM THK)	
	14	1	5M-6228	1	BEARING AS-NEEDLE	
	15	1	3H-2023	1	DOWEL	
	16	1	1F-4622	1	BEARING AS-NEEDLE	
	17	1	2M-2489	1	SEAL-LIP TYPE	
	18	1	7N-4361	1	LEVER AS-OUTPUT	
	18A	1	5B-4688	1	PIN-TAPERED	
	18B	1	2N-2170	1	LEVER-GOVERNOR OUTPUT	
	19	1	5P-3426	1	ELBOW	
	20	1	6K-1972	1	ELBOW-FLARED	
	21	1	7N-3093	1	TUBE AS	
	22	1	3J-7354	1	SEAL-O-RING	

FUEL SYSTEM

7N-4360 DRIVE GP-GOVERNOR (contd.)

i01787081



GRAPHIC #1

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g00932030

FUEL SYSTEM

7W-5383 DRIVE GP-GOVERNOR AN ATTACHMENT

SMCS-1288

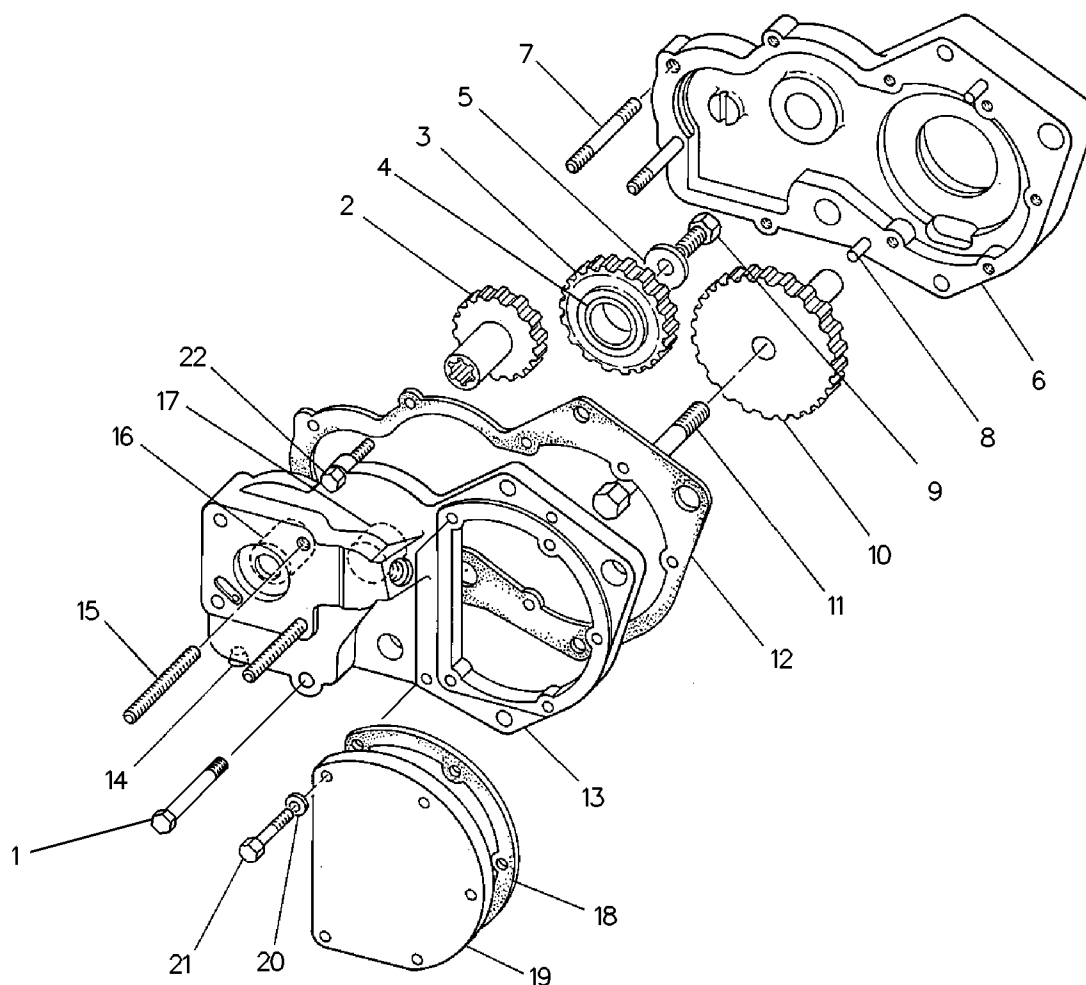
i01560219

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1D-4538	1	BOLT (5/16-18X2.25-IN)						
	2	1	7W-5418	1	GEAR (36 TEETH)						
	3	1	7W-5378	1	GEAR AS (45 TEETH)						
	4	1	9M-7128	1	BEARING-SLEEVE						
	5	1	5P-9287	1	WASHER-HARD (7.2X32X2-MM THK)						
	6	1	7W-5382	1	ADAPTER AS-DRIVE						
	7	1	6B-6470	2	STUD						
	8	1	2H-1190	2	DOWEL						
	9	1	0S-1614	1	BOLT (1/4-20X0.5-IN)						
	10	1	7W-5419	1	GEAR (64 TEETH)						
	11	1	4F-7226	1	BOLT (7/16-14X4-IN)						
	12	1	7N-3826	1	GASKET						
	13	1	7W-5380	1	HOUSING AS-DRIVE						
	14	1	8T-6759	1	PLUG-PIPE						
	15	1	4L-7547	2	STUD-TAPERLOCK (5/16-18X2-IN)						
	16	1	8M-7753	1	BEARING-SLEEVE						
	17	1	7W-5376	1	SHAFT						
	18	1	7N-3827	1	GASKET						
	19	1	7N-3828	1	COVER						
	20	1	9M-1974	5	WASHER-HARD (8.8X16X2-MM THK)						
	21	1	1A-9579	5	BOLT (5/16-18X1.5-IN)						
	22	1	4B-3388	1	BOLT (5/16-18X1.125-IN)						

FUEL SYSTEM

7W-5383 DRIVE GP-GOVERNOR (contd.)

i01560219



GRAPHIC #1

<END>

g00216985

FUEL SYSTEM

8N-2379 DRIVE GP-GOVERNOR AN ATTACHMENT

SMCS-1288

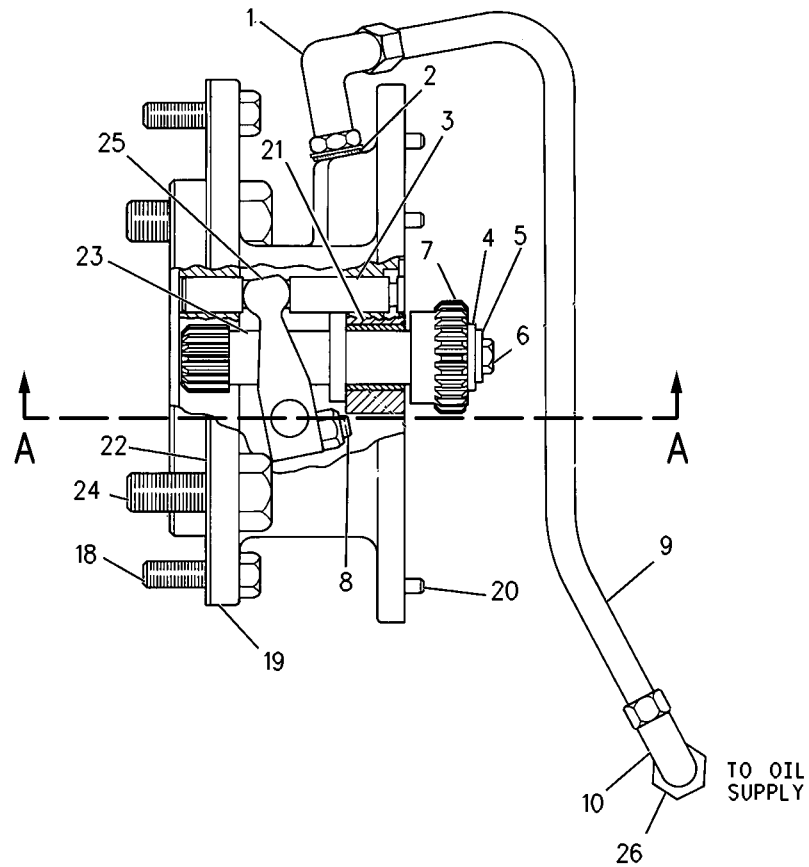
i01791115

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-3426	1	ELBOW						
	2	1	3J-7354	1	SEAL-O-RING						
	3	1	7N-2372	1	SHAFT-RACK CONTROL						
	4	1	3S-1208	1	WASHER-CONICAL						
	5	1	8M-2337	1	WASHER (7.2X24.5X3-MM THK)						
	6	1	8B-2377	1	BOLT (1/4-20X2-IN)						
C	7	1	1W-0936	1	GEAR-GOVERNOR DRIVE (29-TEETH)						
	8	1	3N-4292	1	BOLT						
		1	2R-0504	1	NUT (5/16-18-THD)						
	9	1	7N-3093	1	TUBE AS						
	10	1	6K-1972	1	ELBOW-FLARED						
	11	1	5M-6228	1	BEARING AS-NEEDLE						
	12	1	3H-2023	1	DOWEL						
	13	1	1F-4622	1	BEARING AS-NEEDLE						
	14	1	2M-2489	1	SEAL-LIP TYPE						
	15	1	7N-2977	1	SHAFT-GOVERNOR OUTPUT						
	16	1	5B-4688	1	PIN-TAPERED						
	17	1	2N-2170	1	LEVER-GOVERNOR OUTPUT						
	18	1	3B-1915	3	BOLT (3/8-16X1.375-IN)						
C	19	1	1W-9112	1	HOUSING AS-DRIVE						
	20	1	2F-4547	4	DOWEL						
	21	1	8L-6376	1	BEARING-SLEEVE						
	22	1	2P-0220	1	GASKET-PUMP						
	23	1	7N-2374	1	SHAFT AS-GOVERNOR DRIVE						
	24	1	0S-1589	2	BOLT (5/8-11X1.75-IN)						
	25	1	3N-4293	1	LEVER-GOVERNOR						
	26	1	6B-5072	1	BUSHING-REDUCING						
C-CHANGE FROM PREVIOUS TYPE											

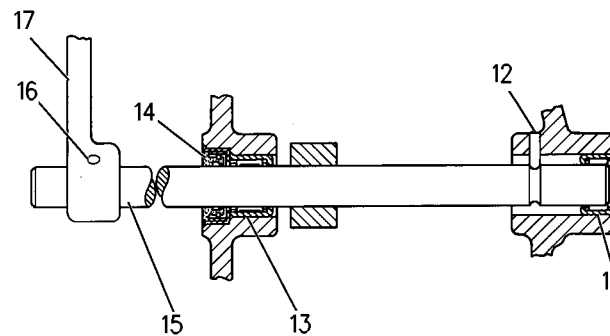
FUEL SYSTEM

8N-2379 DRIVE GP-GOVERNOR (contd.)

i01791115



RIGHT SIDE VIEW



SECTION A-A

GRAPHIC #1

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g00917315

FUEL SYSTEM

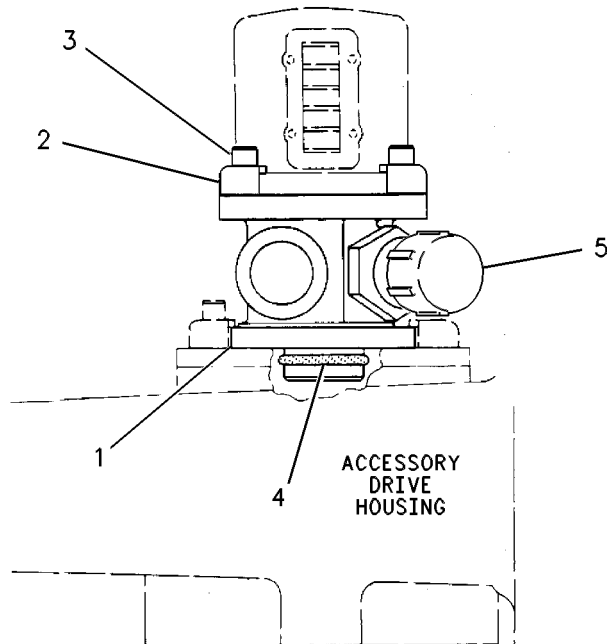
4N-1402 DRIVE GP - TACHOMETER

SINGLE
AN ATTACHMENT

SMCS-7487

i01983291

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	1W-4581	1	ADAPTER AS (TACHOMETER DRIVE)						
	2	1	9S-0211	2	CLAMP-METER						
	3	1	8H-3127	2	BOLT (1/4-20X0.75-IN)						
	4	1	4M-8303	1	SEAL-O-RING						
	5	1	7M-7644	1	CAP-PROTECTION (TACHOMETER DRIVE)						
C- CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g00248429

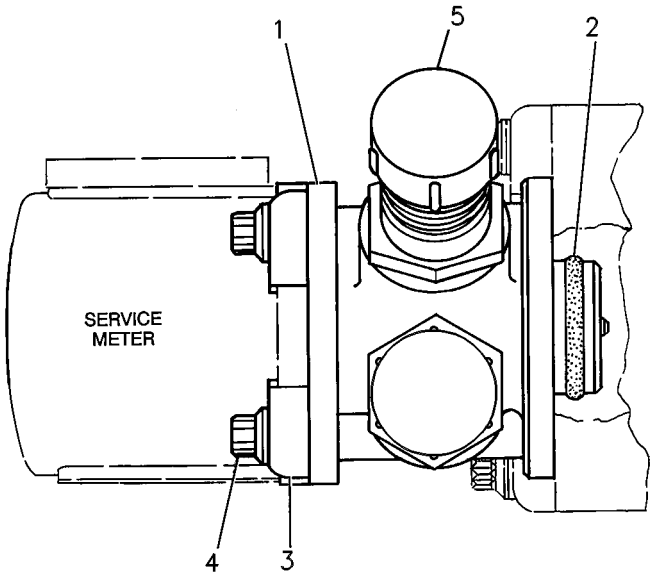
FUEL SYSTEM

4N-5675 DRIVE GP - TACHOMETER
DUAL
AN ATTACHMENT

SMCS-7487

i01959652

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1W-4580	1	ADAPTER AS (TACHOMETER DRIVE)						
	2	1	4M-8303	1	SEAL-O-RING						
	3	1	9S-0211	2	CLAMP-METER						
	4	1	9S-5033	2	BOLT-12 POINT HEAD (1/4-20X0.625-IN)						
B	5	1	7M-7644	2	CAP-PROTECTION (TACHOMETER DRIVE)						
B-USE AS REQUIRED											



GRAPHIC #1

<END>

g00247833

FUEL SYSTEM

7N-8341 FASTENER GP-FUEL INJ PUMP AN ATTACHMENT

SMCS-1251

i01790310

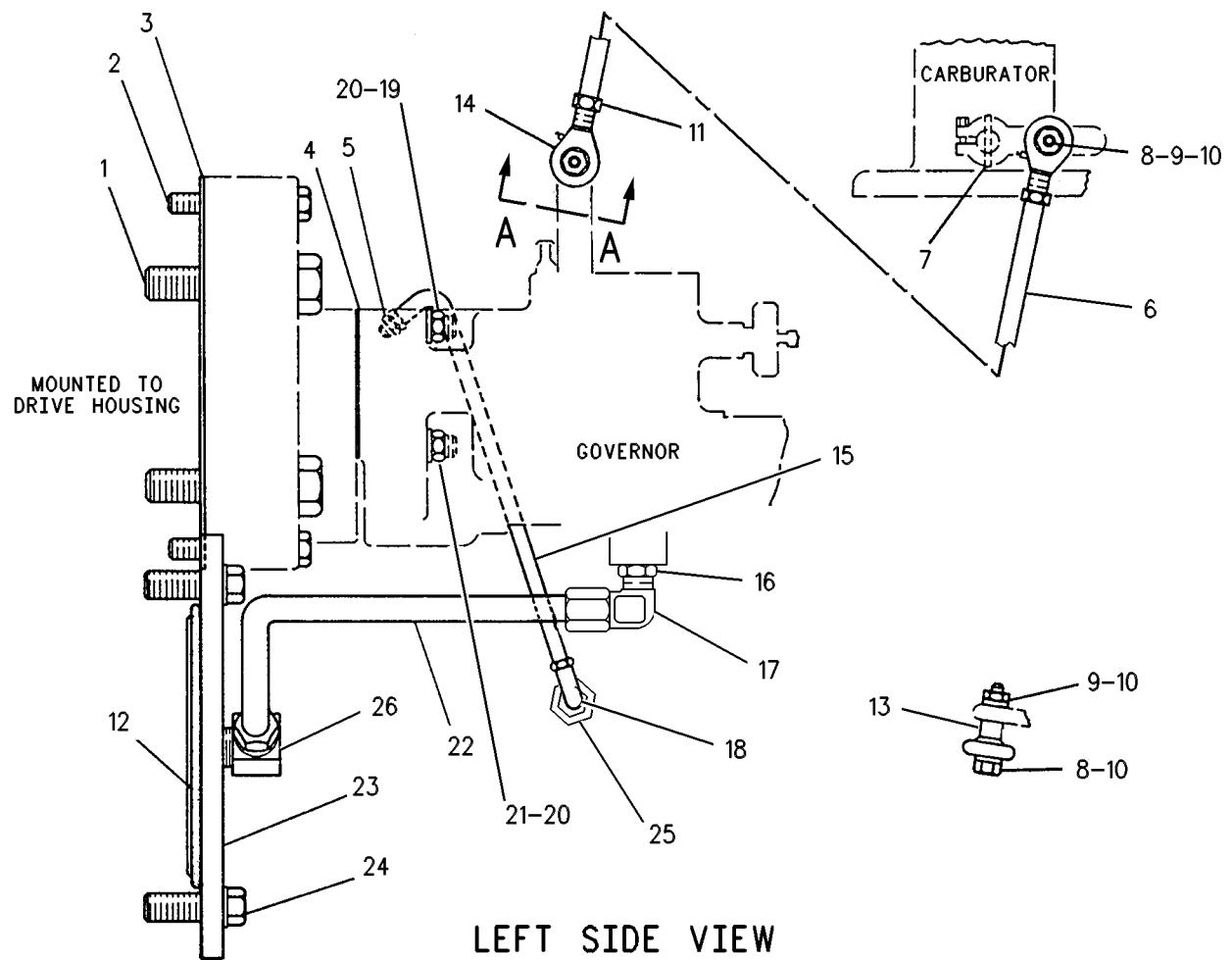
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1B-4367	2	BOLT (5/8-11X3-IN)						
	2	1	0L-1143	2	BOLT (3/8-16X2.5-IN)						
	3	1	7N-9203	1	GASKET						
	4	1	6L-3528	1	GASKET						
	5	1	3J-7352	1	CONNECTOR						
		1	3J-7354	1	SEAL-O-RING						
C	6	1	8N-2826	1	ROD-WOODWARD CONTROL						
	7	1	5H-1351	1	PIN-SPRING						
C	8	1	7B-8167	2	BOLT (1/4-20X1.625-IN)						
	9	1	2D-6235	2	LOCKNUT (1/4-20-THD)						
	10	1	5P-0537	4	WASHER-HARD (7.2X14.5X2-MM THK)						
	11	1	1A-8285	2	NUT-JAM (5/16-24-THD)						
	12	1	5F-3106	1	SEAL-O-RING						
C	13	1	2V-8652	2	SPACER (6.75X10.32X10-MM THK)						
	14	1	6L-3353	2	ROD END-BEARING						
	15	1	7N-3484	1	TUBE AS-GOVERNOR						
	16	1	9X-7378	1	SEAL-O-RING						
	17	1	5P-2645	2	ELBOW						
	18	1	6K-1972	1	ELBOW-FLARED						
	19	1	9S-8751	2	NUT-FULL (5/16-24-THD)						
C	20	1	9M-1974	8	WASHER-HARD (8.8X16X2-MM THK)						
	21	1	5S-0003	2	NUT (5/16-18-THD)						
	22	1	131-1706	1	TUBE AS-OIL DRAIN						
	23	1	8N-1004	1	COVER-ACCESSORY DRIVE						
	24	1	0S-1589	2	BOLT (5/8-11X1.75-IN)						
		1	5P-8247	2	WASHER-HARD (17X32X3.5-MM THK)						
	25	1	6B-5072	1	BUSHING-REDUCING						
	26	1	2N-8037	1	ELBOW						

C- CHANGE FROM PREVIOUS TYPE

FUEL SYSTEM

7N-8341 FASTENER GP-FUEL INJ PUMP (contd.)

i01790310



GRAPHIC #1

<END>

g00258279

FUEL SYSTEM

9Y-1978 FASTENER GP-GOVERNOR AN ATTACHMENT

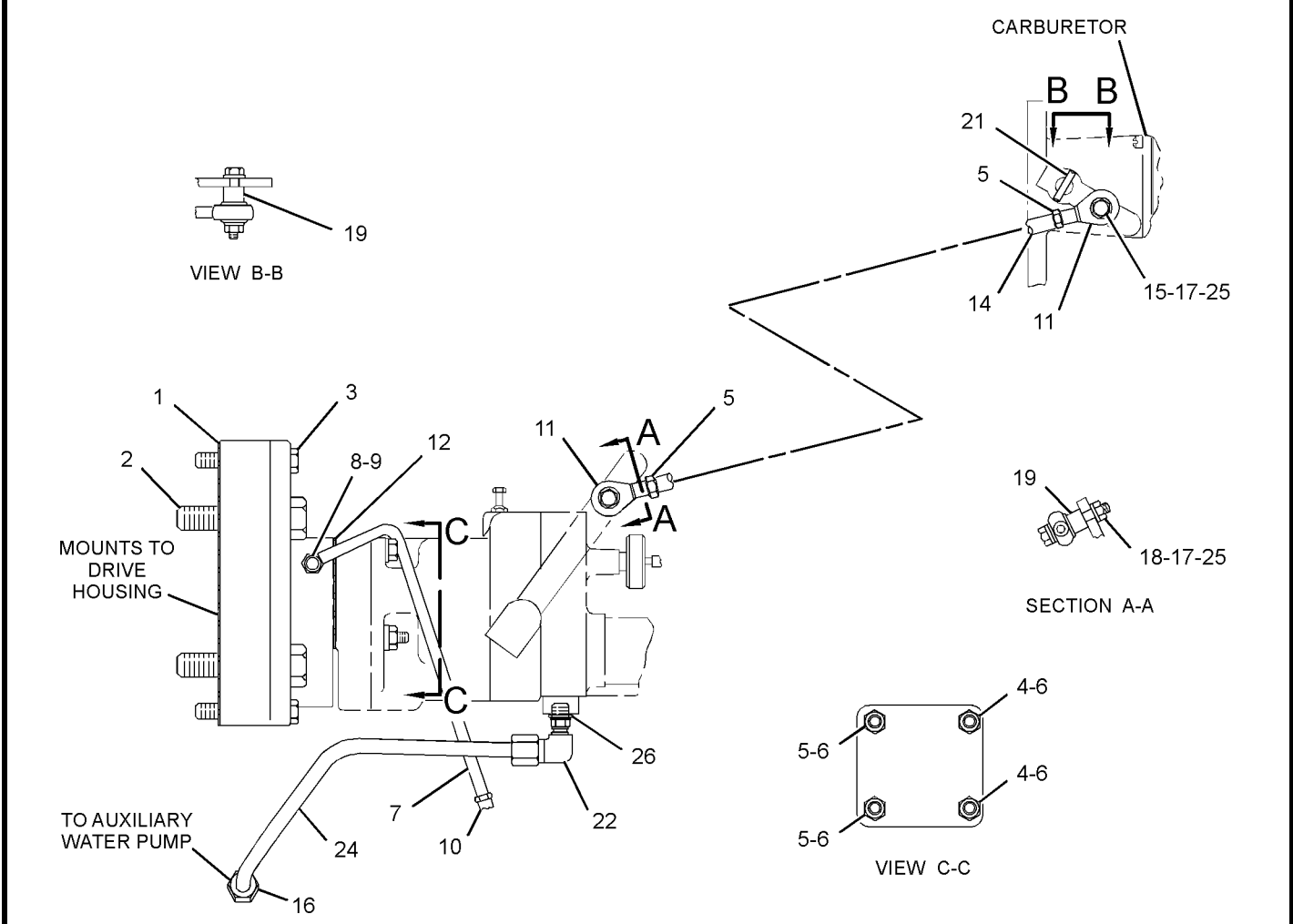
SMCS-1264

i02589991

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-9203	1	GASKET						
	2	1	1B-4367	2	BOLT (5/8-11X3-IN)						
	3	1	0L-1143	2	BOLT (3/8-16X2.5-IN)						
	4	1	5S-0003	2	NUT (5/16-18-THD)						
	5	1	9S-8751	4	NUT-FULL (5/16-24-THD)						
	6	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	7	1	7N-3484	1	TUBE AS-GOVERNOR						
	8	1	3J-7352	1	CONNECTOR						
	9	1	3J-7354	1	SEAL-O-RING						
	10	1	6K-1972	1	ELBOW-FLARED						
	11	1	6L-3353	2	ROD END-BEARING						
	12	1	6L-3528	1	GASKET						
	14	1	9Y-1977	1	ROD-CARBURETOR CONTROL						
	15	1	7B-8167	1	BOLT (1/4-20X1.625-IN)						
	16	1	032-1267	1	CONNECTOR						
	17	1	2D-6235	2	LOCKNUT (1/4-20-THD)						
	18	1	1B-2713	1	BOLT (1/4-20X1.75-IN)						
	19	1	5G-2003	2	SPACER (6.8X13X10-MM THK)						
	21	1	5H-1351	1	PIN-SPRING						
	22	1	5P-2645	1	ELBOW						
	24	1	131-1704	1	TUBE AS-OIL DRAIN						
	25	1	5P-0537	4	WASHER-HARD (7.2X14.5X2-MM THK)						
	26	1	9X-7378	1	SEAL-O-RING						

FUEL SYSTEM

9Y-1978 FASTENER GP-GOVERNOR (contd.)	i02589991
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GRAPHIC #1 **<END>** g01311711

FUEL SYSTEM

4P-4716 FILTER GP-FUEL

FOR USE WITH GAS REGULATOR
AN ATTACHMENT

SMCS-1261

i02540972

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	4P-4719	1	ELEMENT-GAS FILTER						
<END>									

230-2608 GOVERNOR AS

AN ATTACHMENT

SMCS-1264

i02092052

			PART NAME						SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)	PAGE
			(NO SERVICED PARTS)						
			<END>						

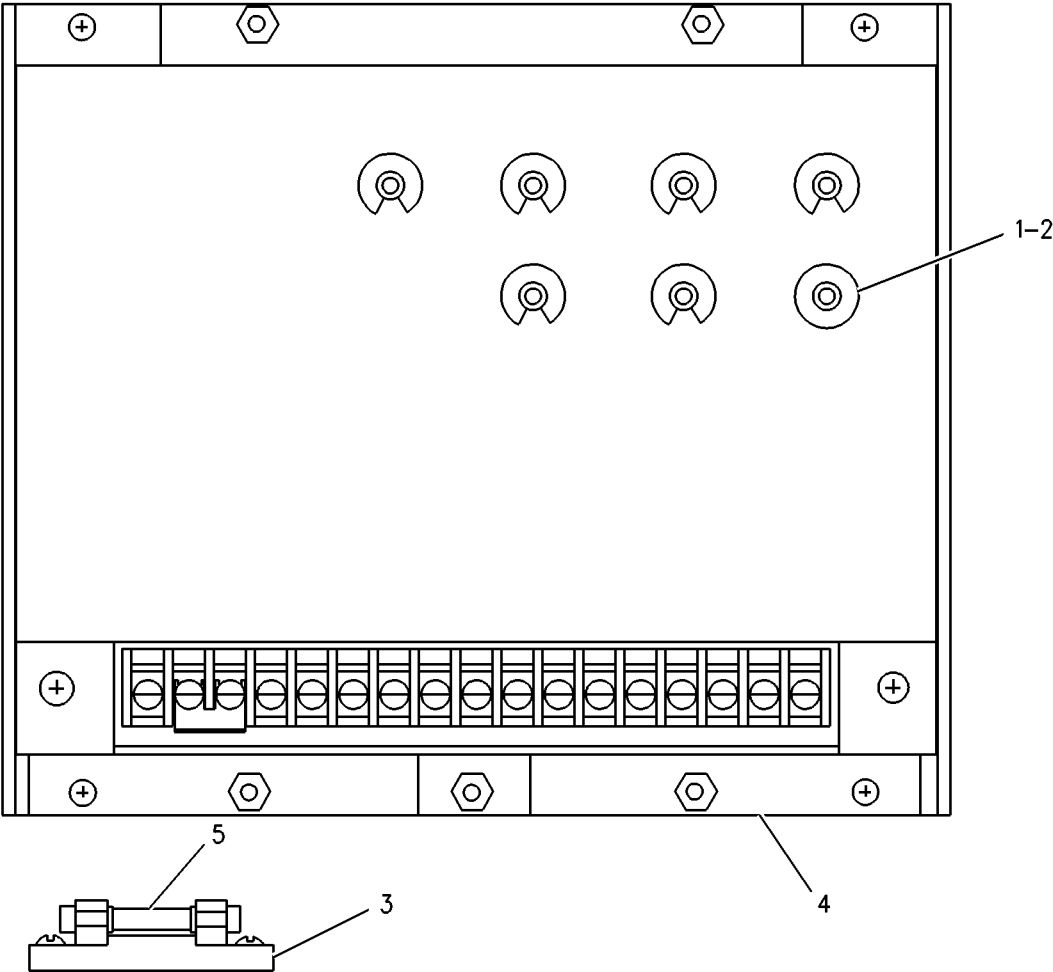
FUEL SYSTEM

4P - 2788 GOVERNOR AS-ELECTRONIC
PART OF 103-4773, 4P-4898 PANEL AR-CONTROL
FOR USE WITH EMCP II CONTROL PANEL AND WOODWARD EG3P ACTUATOR
AN ATTACHMENT

SMCS - 1908

i02309676

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-5971	1	POTENTIOMETER (100-OHM) (ENGINE SPEED CONTROL)						
	2	1	4W-5972	1	KNOB (ENGINE SPEED CONTROL)						
	3	1	4W-8790	1	BLOCK-FUSE						
	4	1	131-5453	1	CONTROL AS-GOVERNOR						
	5	1	7T-0037	1	FUSE (0.75-AMPERE)						



GRAPHIC #1

<END>

g00923973

FUEL SYSTEM

4P-4897 GOVERNOR AS-ELECTRONIC

PART OF 4P-4898 PANEL AR-CONTROL
FOR USE WITH SI PACKAGE GENSETS
AN ATTACHMENT

SMCS-1908

i02786332

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	4W-8790	1	BLOCK-FUSE						
	9Y-9782	1	FILM-IDENTIFICATION (10-AMPERE FUSE)						
	3K-8782	1	FUSE (10-AMPERE)						
	4W-5972	1	KNOB						
	7E-1246	1	POTENTIOMETER (2000-OHM) (SPEED ADJUST)						
	7C-4550	1	SEAL						
<END>									

4P-4899 GOVERNOR AS-ELECTRONIC

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1908

i02786334

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	9X-9591	1	CONVERTER GP-ELECTRICAL (PULSE WIDTH MODULATED)						292
	4W-5972	1	KNOB						
	7E-1246	1	POTENTIOMETER (2000-OHM) (SPEED ADJUST)						
	7C-4550	1	SEAL						
Y-SEPARATE ILLUSTRATION									
<END>									

4P-6554 GOVERNOR AS-ELECTRONIC

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1908

i02786337

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	131-5451	1	CONTROL AS-GOVERNOR						184
	7E-7845	1	FILM-INFORMATION (FUSE) (0.75 AMP)						
	4W-5972	1	KNOB						
	4W-5971	1	POTENTIOMETER (100-OHM) (SPEED ADJUST)						
	7C-4550	1	SEAL						
Y-SEPARATE ILLUSTRATION									
<END>									

FUEL SYSTEM

4W-9313 GOVERNOR AS-ELECTRONIC

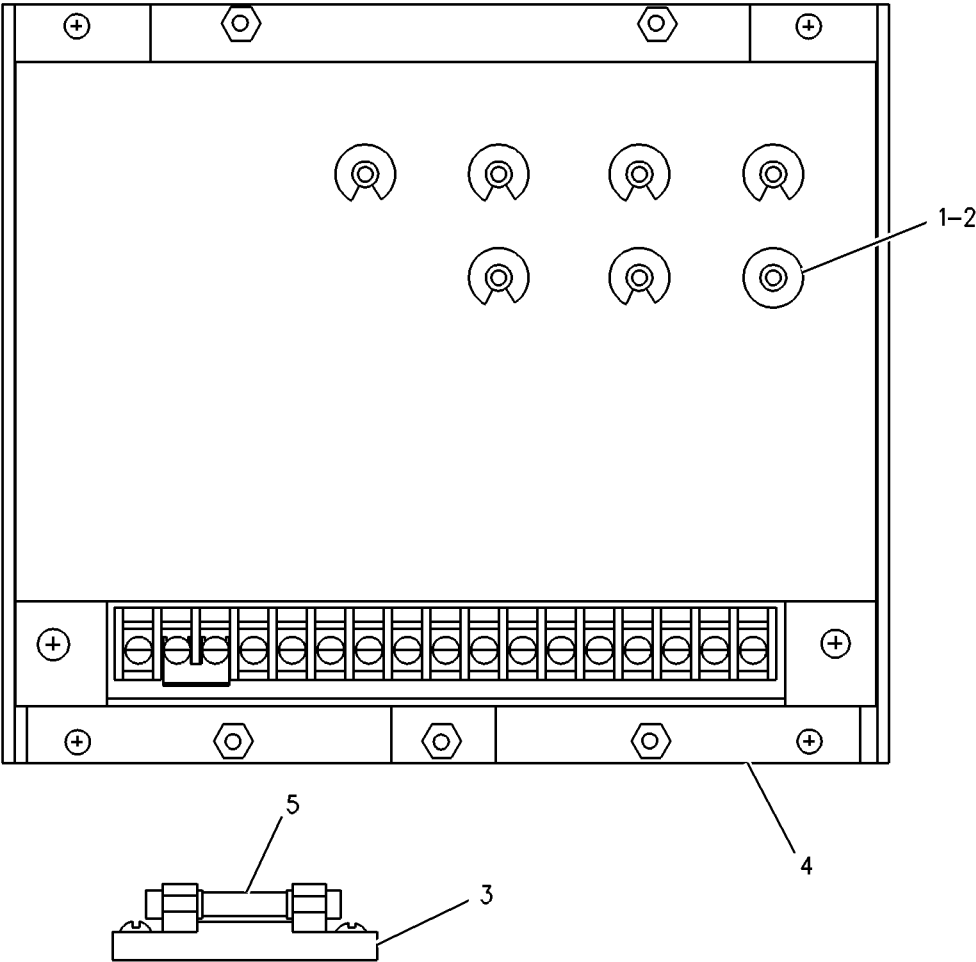
STANDBY

PART OF 103-4773, 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1908

i01806271

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-5971	1	POTENTIOMETER (ENGINE SPEED CONTROL)						
	2	1	4W-5972	1	KNOB (ENGINE SPEED CONTROL)						
	3	1	4W-8790	1	BLOCK-FUSE						
	4	1	131-5453	1	CONTROL AS-GOVERNOR						
	5	1	7T-0037	1	FUSE (0.75-AMPERE)						



GRAPHIC #1

<END>

g00923989

FUEL SYSTEM

4W-9314 GOVERNOR AS-ELECTRONIC

STANDBY WITH PREREGULATOR

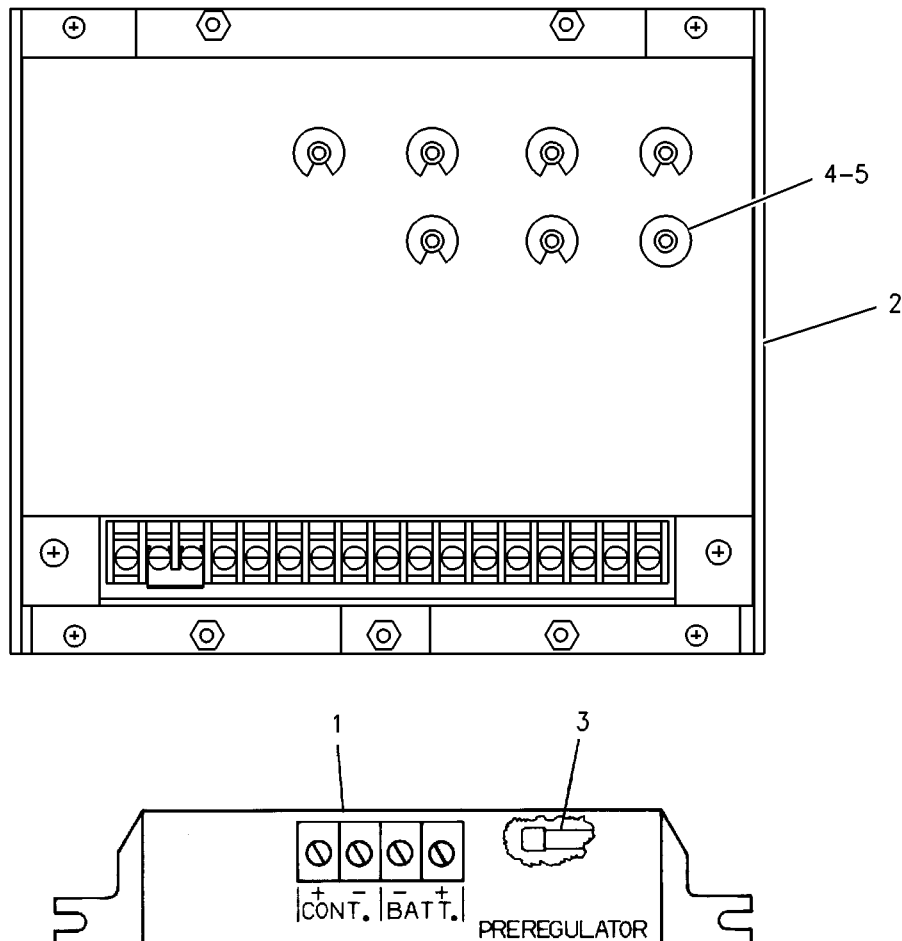
PART OF 103-4773, 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1908

i01453374

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	4W-5391	1	BOX AS-GOVERNOR PREREGULATOR	176
	2	1	131-5453	1	CONTROL AS-GOVERNOR	
	3	1	7T-0037	1	FUSE (0.75-AMPERE)	
	4	1	4W-5972	1	KNOB (ENGINE SPEED CONTROL)	
	5	1	4W-5971	1	POTENTIOMETER (100-OHM) (ENGINE SPEED CONTROL)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00760240

FUEL SYSTEM

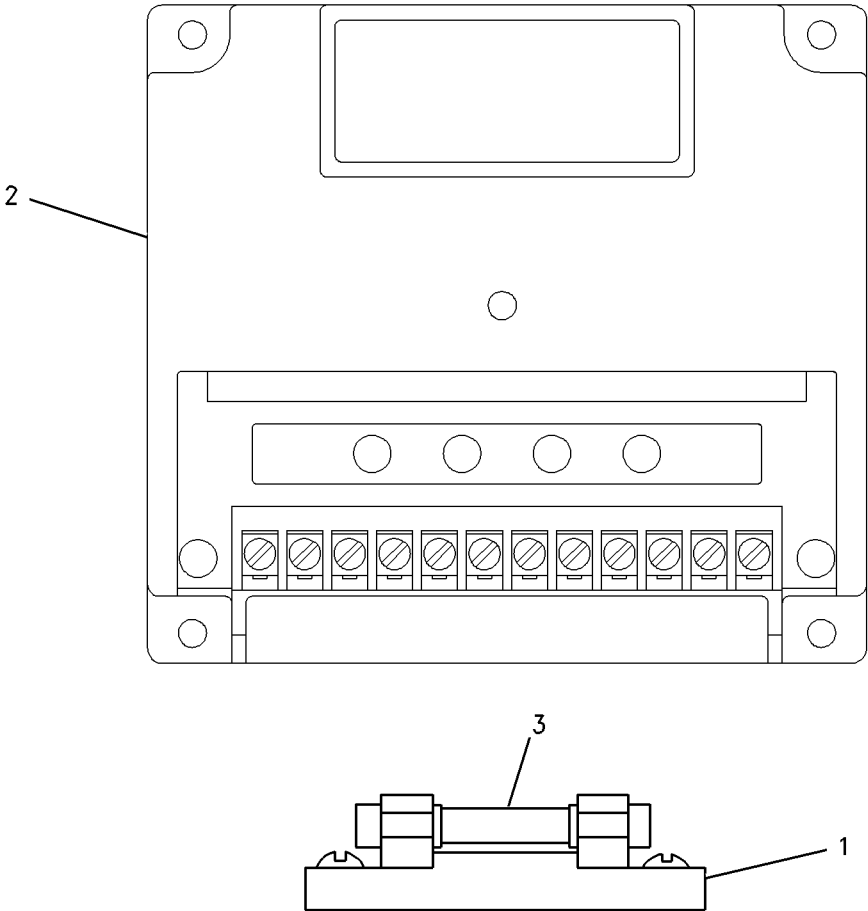
7E - 1232 GOVERNOR AS-ELECTRONIC

PART OF 103-4773 PANEL AR-CONTROL
AN ATTACHMENT

SMCS - 1908

i02160449

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	4W-8790	1	BLOCK-FUSE	
	2	1	131-5455	1	CONTROL AS-GOVERNOR	
	3	1	3K-8782	1	FUSE (10-AMPERE)	
F		1	9Y-9782	1	FILM-IDENTIFICATION (10-AMPERE FUSE)	
F		1	4W-5972	1	KNOB (ENGINE SPEED CONTROL)	
F		1	7E-1246	1	POTENTIOMETER (2000-OHM) (ENGINE SPEED CONTROL)	
F		1	7C-4550	1	SEAL	
F - NOT SHOWN						



GRAPHIC #1

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g00760270

FUEL SYSTEM

1W-1633 GOVERNOR GP - WOODWARD

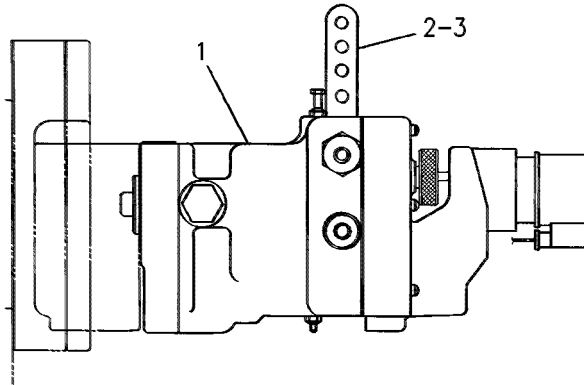
24 VOLT

FOR USE WITH NATURAL ASPIRATED ENGINES
AN ATTACHMENT

SMCS-1264, 1908

i00907557

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
CY	1	1	131-1705	1	GOVERNOR GP	221
	2	1	8L-4838	1	LEVER-GOVERNOR OUTPUT	
	3	1	3L-1474	1	PIN-TAPER	
C- CHANGE FROM PREVIOUS TYPE Y- SEPARATE ILLUSTRATION						



GRAPHIC #1

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g00259744

FUEL SYSTEM

1W-1634 GOVERNOR GP - WOODWARD

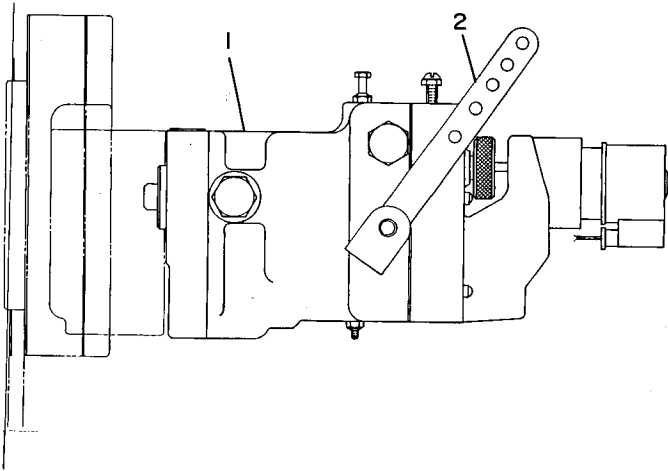
24 VOLT

FOR USE WITH TURBOCHARGED AFTERCOOLED ENGINE WHEN USED WITH A GENERATOR
AN ATTACHMENT

SMCS-1264, 1908

i00907596

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
CY	1	1	131-1703	1	GOVERNOR GP	221
	2	1	8L-4838	1	LEVER-GOVERNOR OUTPUT	
		1	3L-1474	1	PIN-TAPER	
C- CHANGE FROM PREVIOUS TYPE						
Y- SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00196871

FUEL SYSTEM

7N-2375 GOVERNOR GP AN ATTACHMENT

SMCS-1264, 1908

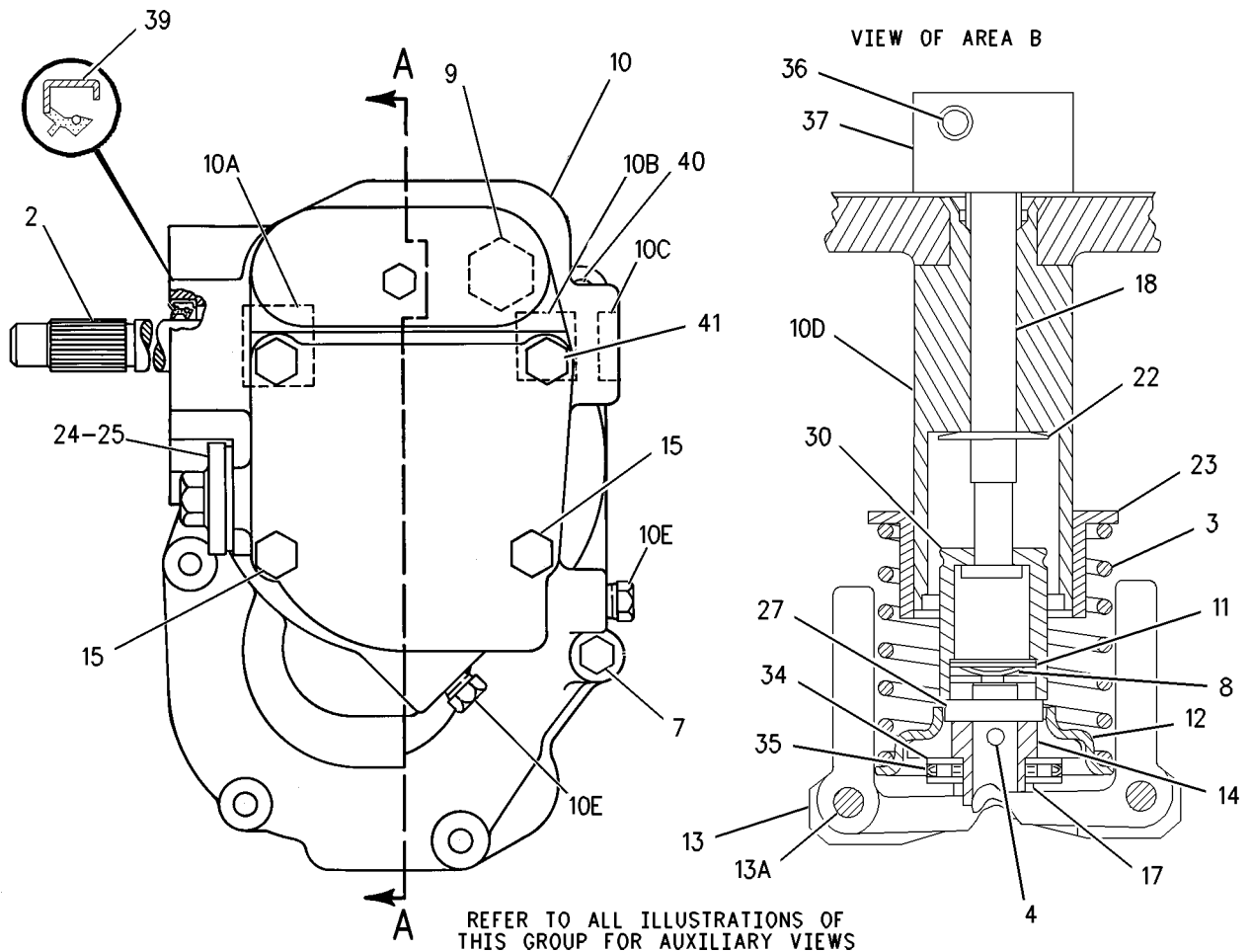
i01789100

NOTE	REF	GRAPHIC	PART NUMBER	QTY	PART NAME						SEE
	NO	REF			1	2	3	4	5	6 (PRODUCT LEVEL)	
	2	1	8L-8883	1	SHAFT						
C	3	1	8M-9140	1	SPRING						
	4	1	114-6306	1	PIN-DOWEL						
	5	2	2P-8697	1	GASKET						
C	7	1	1A-9579	1	BOLT (5/16-18X1.5-IN)						
	8	1	114-6305	1	WASHER-SPRING						
	9	1	2N-2168	1	SCREW-ADJUSTMENT						
	10	1	2P-8737	1	HOUSING AS-GOVERNOR						
	10A	1	9S-0798	1	BEARING-SLEEVE						
	10B	1	8S-0134	1	BEARING-SLEEVE						
	10C	1	4F-4585	1	PLUG-CORE						
	10D	1	8M-8403	1	SPRING-GUIDE						
	10E	1	2S-7905	2	PLUG-PIPE						
	11	1	9M-6302	2	WASHER-SPECIAL (0.125X0.49X0.03-IN THK)						
	12	1	1W-4640	1	SEAT-SPRING						
C	13	1	1W-1132	1	WEIGHT AS-GOVERNOR						
	13A	1	1S-5440	2	DOWEL						
	14	1	114-4811	1	SLEEVE-VALVE						
C	15	1,2	1H-5514	6	BOLT (5/16-18X1.625-IN)						
C	16	2	0S-1618	1	BOLT (5/16-18X1-IN)						
	17	1	3K-0810	1	RING-LOCK						
	18	1	8M-8739	1	BOLT-LOAD STOP						
	19	2	7N-7163	1	COVER						
	20	2	0S-1615	3	BOLT (1/4-20X0.75-IN)						
	21	2	7B-8105	1	RING-LOCK						
	22	1	8H-9181	1	SPRING-BUMPER						
	23	1	6N-3504	1	SEAT-GOVERNOR SPRING						
	24	1	9S-5393	1	PLUG						
	25	1	2P-8763	1	GASKET						
	27	1	2P-8630	1	DOWEL						
	29	2	4W-7654	1	BOLT (1/2X1 15/64X31.37-MM)						
	30	1	114-4812	1	RISER-GOVERNOR						
	31	2	2W-1491	1	LEVER-CONTROL						
	32	2	146-4244	1	PISTON AS-SERVO						
		2	5P-9757	1	SEAL-O-RING						
		2	1S-4741	1	CYLINDER-SERVO						
		2	8N-6977	1	SLEEVE						
	33	2	9M-6293	1	LOCK-CYLINDER						
	34	1	7M-7193	2	RACE-THRUST BEARING						
	35	1	7M-7219	1	BEARING-THRUST						
	36	1	7D-5473	1	BOLT-SOCKET HEAD (8-32X0.75-IN)						
	37	1	7N-1651	1	COLLAR-LOAD STOP						
	38	2	6N-9339	1	GASKET-GOVERNOR HOUSING						
	39	1	9S-4671	1	SEAL-LIP TYPE						
C	40	1	2B-2695	1	BOLT (5/16-18X0.875-IN)						
	41	1	9L-9578	1	BOLT (5/16-18X1.5-IN)						
	43	2	5L-8991	1	GASKET-COVER						
	44	2	0S-1617	1	BOLT (5/16-18X0.75-IN)						
	45	2	5L-8992	1	COVER-ADJUSTMENT						
	46	2	5P-6945	1	BOLT (1/4-20X1.125-IN)						
	47	2	4B-9747	1	WASHER (17/64X3/8X1/32-IN THK)						
C- CHANGE FROM PREVIOUS TYPE											

FUEL SYSTEM

7N-2375 GOVERNOR GP (contd.)

i01789100



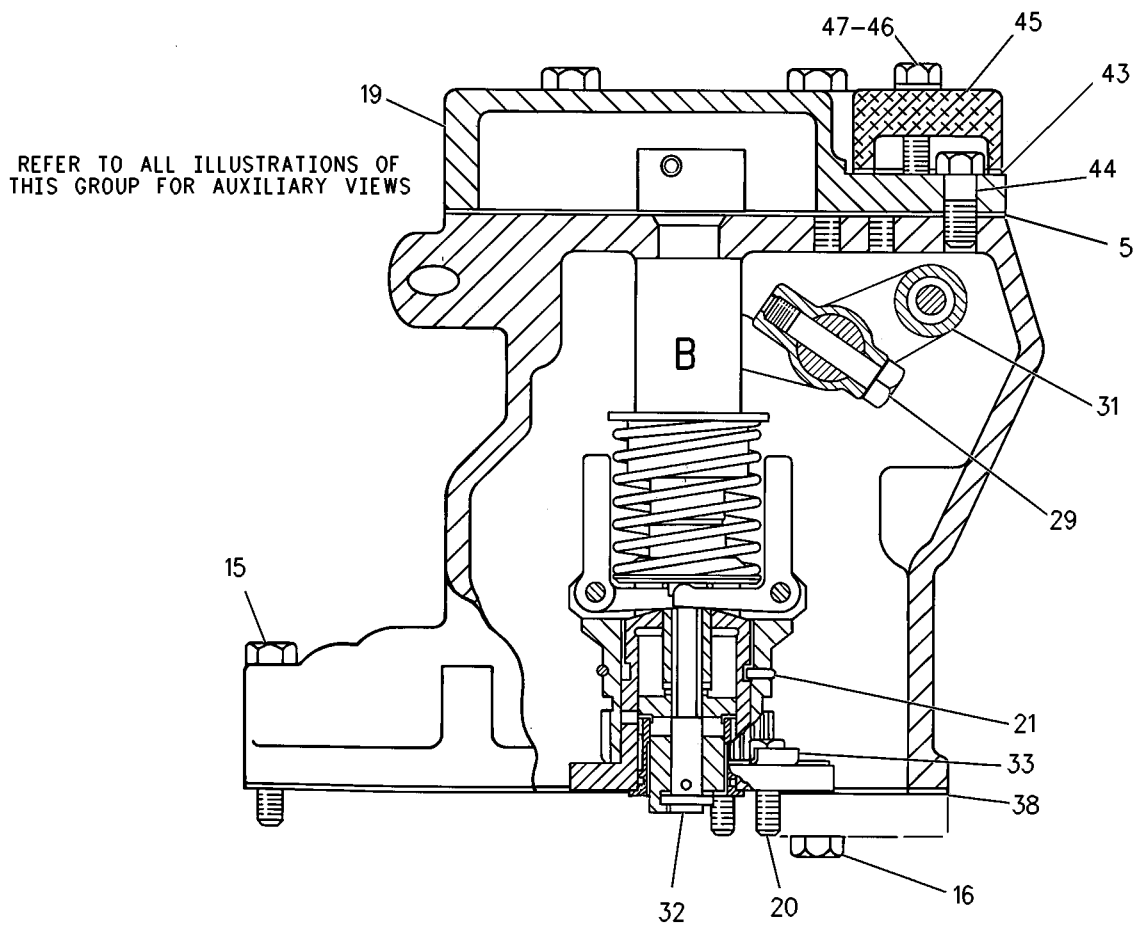
GRAPHIC #1

g00915842

FUEL SYSTEM

7N-2375 GOVERNOR GP (contd.)

i01789100



GRAPHIC #2

<END>

g00915843

FUEL SYSTEM

131 - 1703 GOVERNOR GP

24 VOLT , DC

PART OF 1W-1634 GOVERNOR GP
AN ATTACHMENT

SMCS-1264, 1908

i01790059

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)									
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131 - 1705 GOVERNOR GP—SPEED CONTROL

PART OF 1W-1633 GOVERNOR GP
AN ATTACHMENT

SMCS-1264, 1908

i01790060

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)									
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FUEL SYSTEM

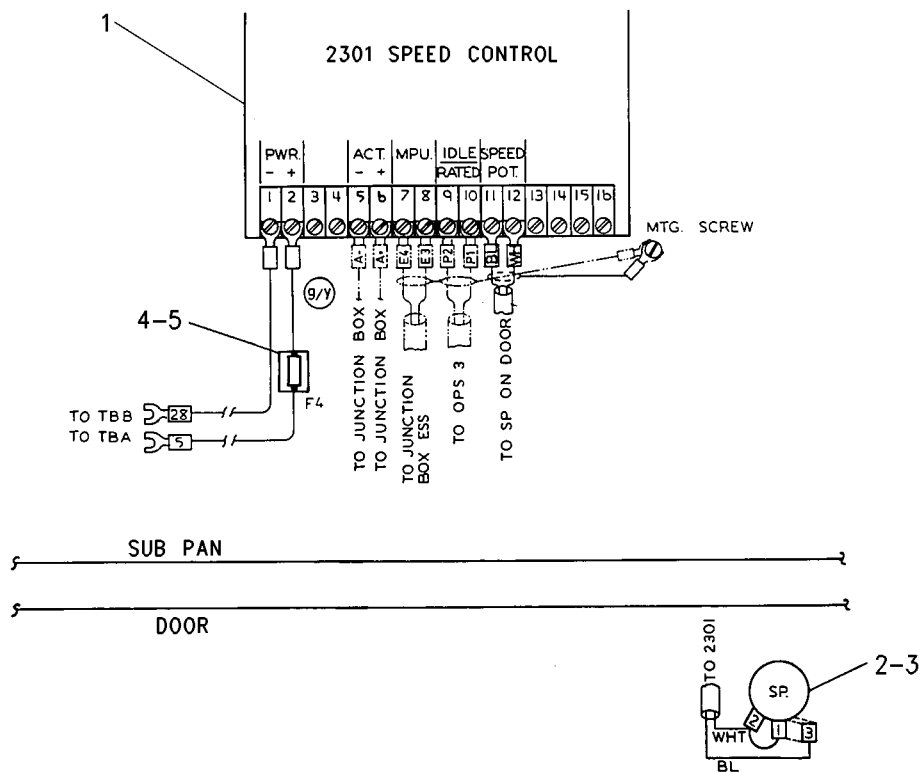
4W-8180 GOVERNOR GP-ELECTRONIC

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1908

i02173109

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	131-5453	1	CONTROL AS-GOVERNOR						
	2	1	4W-5971	1	POTENTIOMETER (ENGINE SPEED CONTROL)						
	3	1	4W-5972	1	KNOB (ENGINE SPEED CONTROL)						
	4	1	7T-0037	1	FUSE (0.75-AMPERE)						
	5	1	4W-8790	1	BLOCK-FUSE						



GRAPHIC #1

<END>

g00737455

FUEL SYSTEM

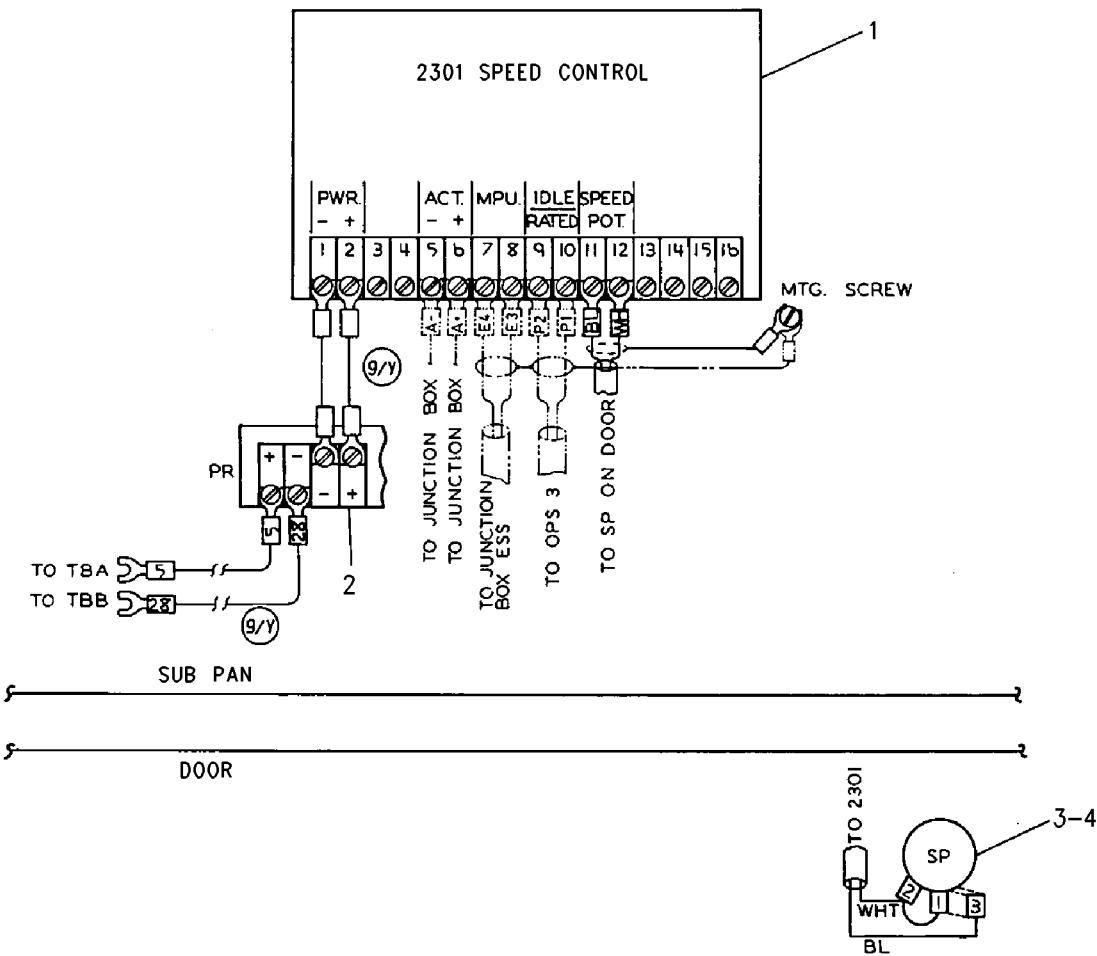
4W-8185 GOVERNOR GP-ELECTRONIC

WITH PREREGULATOR
PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1908

i02155740

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	131-5453	1	CONTROL AS-GOVERNOR						
	2	1	4W-5391	1	BOX AS-GOVERNOR PREREGULATOR						
	3	1	4W-5971	1	POTENTIOMETER (ENGINE SPEED CONTROL)						
	4	1	4W-5972	1	KNOB (ENGINE SPEED CONTROL)						



GRAPHIC #1

<END>

g00737460

FUEL SYSTEM

234-4356 MOUNTING GP - GOVERNOR CONTROL

HYDRA-MECHANICAL
FOR USE WITH SI GOVERNOR AS
AN ATTACHMENT

SMCS-1264, 1265

i01982121

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1589	2	BOLT (5/8-11X1.75-IN)						
	3B-1915	3	BOLT (3/8-16X1.375-IN)						
	6B-5072	1	BUSHING-REDUCING						
	5P-3426	1	ELBOW						
	6K-1972	1	ELBOW-FLARED						
	2P-0220	1	GASKET - PUMP						
	3J-7354	1	SEAL - O - RING						
	7N-3093	1	TUBE AS						
<END>									

234-4357 MOUNTING GP - GOVERNOR CONTROL

HYDRA-MECHANICAL
FOR USE WITH SI GOVERNOR AS
AN ATTACHMENT

SMCS-1264, 1265

i01982100

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1589	2	BOLT (5/8-11X1.75-IN)						
	3B-1915	3	BOLT (3/8-16X1.375-IN)						
	5P-3426	1	ELBOW						
	6K-1972	1	ELBOW-FLARED						
	2P-0220	1	GASKET-PUMP						
	3J-7354	1	SEAL-O-RING						
	7N-3093	1	TUBE AS						
<END>									

FUEL SYSTEM

154-9638 REGULATOR AS-GAS PRESSURE

PART OF 132-1152 REGULATOR GP-GAS PRESSURE

AN ATTACHMENT

SMCS-1270

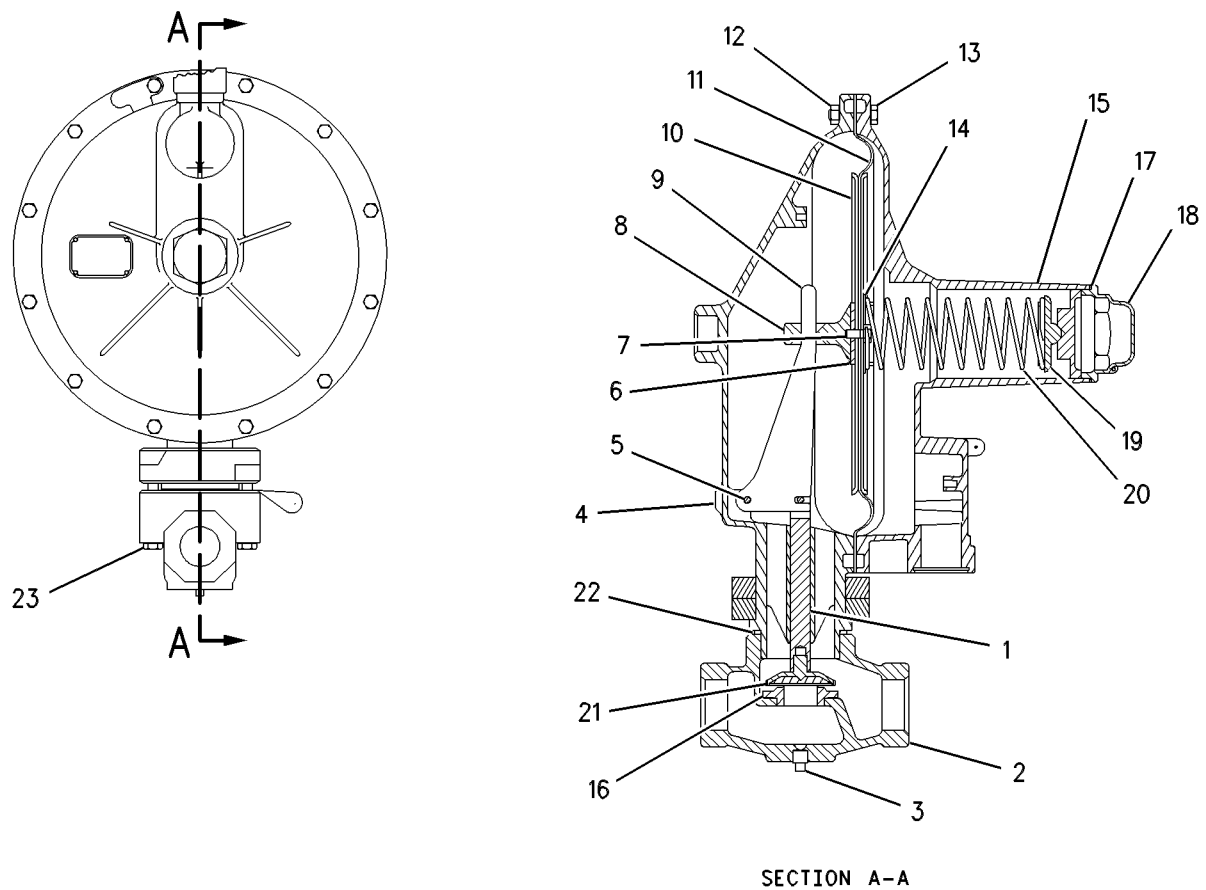
i01790075

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-7148	1	STEM AS-VALVE						
		1	6L-7149	1	PIN						
	2	1	7W-6116	1	BODY-REGULATOR						
	3	1	2B-7408	1	PLUG-PIPE						
	4	1	6L-7155	2	SCREW-MACHINE (1/4-20X.50IN)						
	5	1	6L-7147	1	PIN						
	6	1	6L-7153	1	GASKET						
	7	1	6L-7152	1	BOLT (1/4-28X.625IN)						
	8	1	6L-7145	1	POST-PUSHER						
	9	1	6L-7146	1	LEVER						
	10	1	6L-7144	2	HEAD-DIAPHRAGM						
	11	1	6L-7143	1	DIAPHRAGM						
	12	1	6V-8186	12	NUT-FULL (5/16-24 THD)						
	13	1	6L-7156	12	BOLT (5/16-24X1.25 IN)						
	14	1	6L-7142	1	SEAT-SPRING						
	15	1	7W-2737	1	SCREW-ADJUSTMENT						
	16	1	154-9637	1	ORIFICE						
	17	1	6L-7141	1	GASKET						
	18	1	9Y-8796	1	CAP-PRESSURE REGULATING						
		1	2H-3933	1	SEAL-O-RING						
	19	1	6L-7154	1	SEAT-SPRING						
	20	1	6L-7140	1	SPRING						
		1	7N-2388	1	SPRING						
	21	1	6L-9260	1	HOLDER AS						
	22	1	1H-8720	1	SEAL-O-RING						
	23	1	6L-7157	2	BOLT (7/16-14X3.75 IN)						

FUEL SYSTEM

154-9638 REGULATOR AS-GAS PRESSURE (contd.)

i01790075



GRAPHIC #1

<END>

g00483088

FUEL SYSTEM

2W-8482 REGULATOR GP-GAS PRESSURE

FOR USE WITH 7N-4359 CONVERSION AR-ENGINE
AN ATTACHMENT

SMCS-1270

i02307026

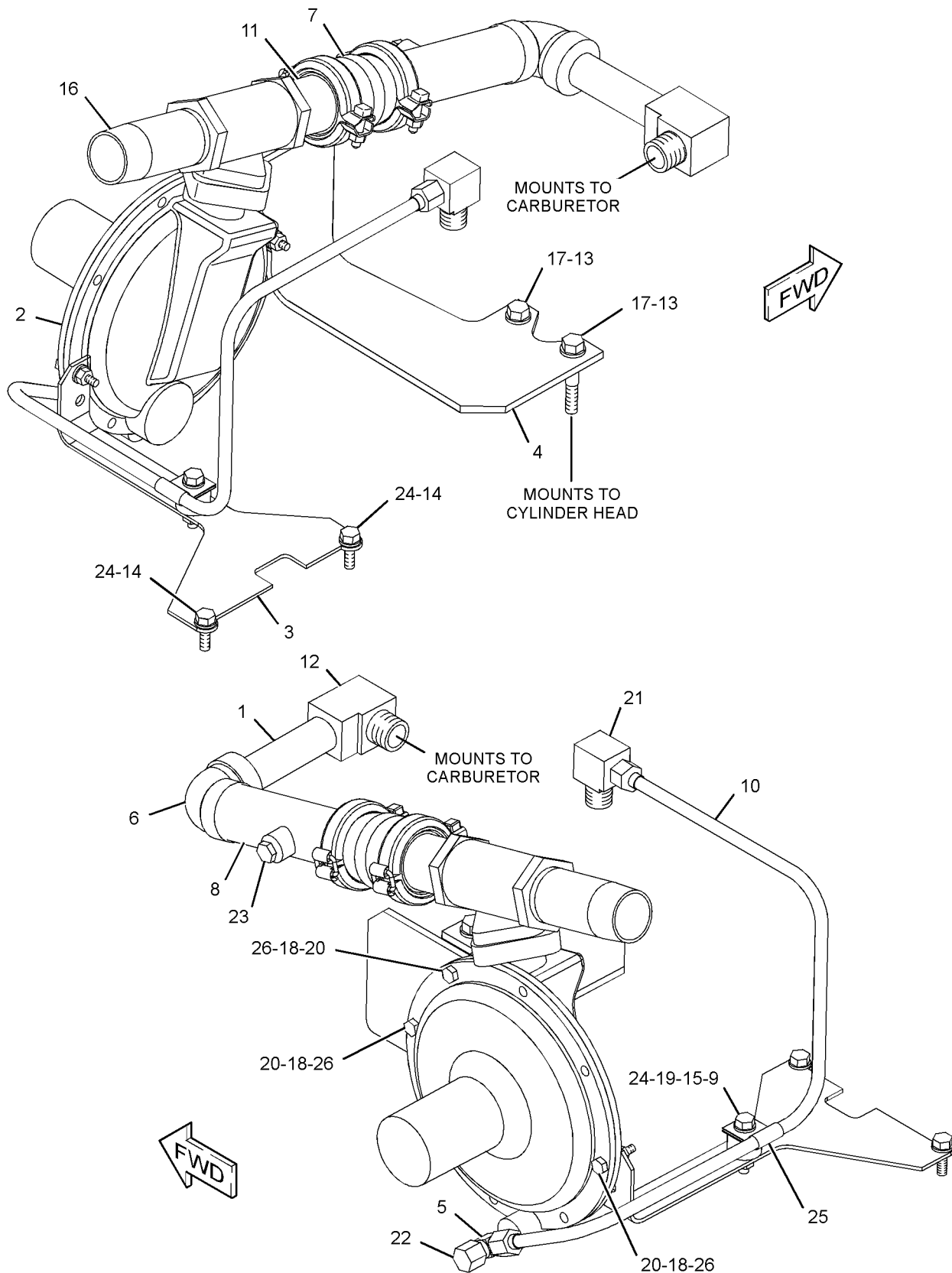
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	2D-2460	1	NIPPLE-PIPE						
	2	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	3	1	2W-8483	1	BRACE						
	4	1	2W-8484	1	BRACKET						
	5	1	6S-2289	1	TEE						
	6	1	6V-7538	1	ELBOW-PIPE						
	7	1	7L-4224	1	JOINT AS-TUBE						
		1	3N-2723	2	SEAL						
	8	1	7W-5098	1	FITTING AS						
	9	1	8L-5423	1	SPACER (0.406X1X0.712-IN THK)						
	10	1	117-4038	1	TUBE AS-BALANCE						
	11	1	163-3392	1	FITTING						
	12	1	003-9163	1	ELBOW						
	13	1	0L-2070	2	BOLT (3/8-16X2.25-IN)						
	14	1	0S-1618	2	BOLT (5/16-18X1-IN)						
	15	1	1H-5514	1	BOLT (5/16-18X1.625-IN)						
	16	1	2W-8721	1	FITTING						
	17	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	18	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	19	1	5S-0003	1	NUT (5/16-18-THD)						
	20	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
	21	1	7D-8793	1	ELBOW-FLARED						
	22	1	8S-4950	1	CAP						
	23	1	8T-6765	1	PLUG-PIPE						
	24	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	25	1	9S-4200	1	CLIP						
	26	1	9S-8750	3	NUT-FULL (1/4-20-THD)						

C-CHANGE FROM PREVIOUS TYPE

FUEL SYSTEM

2W-8482 REGULATOR GP-GAS PRESSURE (contd.)

i02307026



GRAPHIC #1

<END>

g01170392

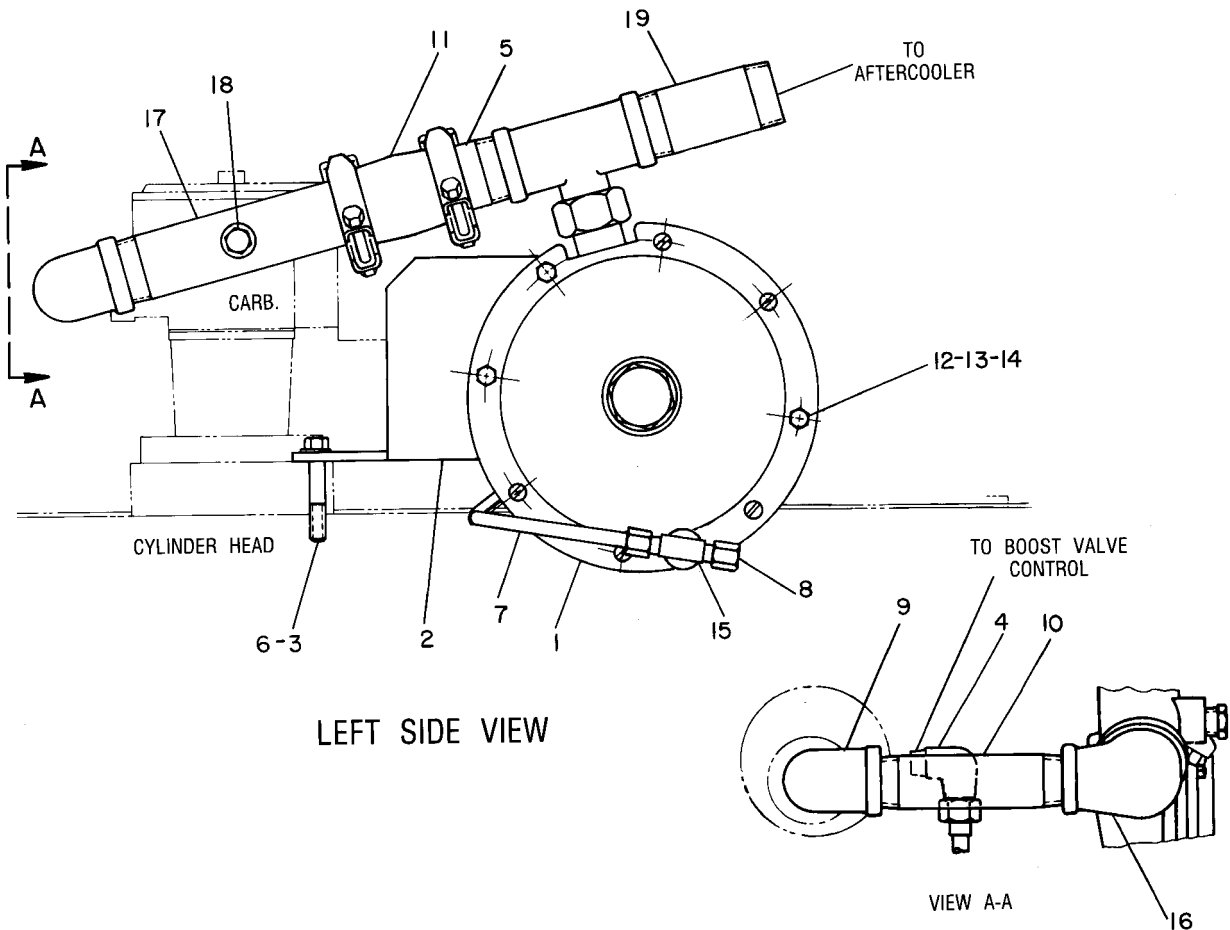
FUEL SYSTEM

7C-1889 REGULATOR GP-GAS PRESSURE AN ATTACHMENT

SMCS-1270

i03018346

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	2	1	2W-8484	1	BRACKET						
	3	1	0L-2070	2	BOLT (3/8-16X2.25-IN)						
	4	1	032-1268	1	ELBOW-FLARED						
	5	1	163-3392	1	FITTING						
	6	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	7	1	7C-8240	1	TUBE AS						
	8	1	8S-4950	1	CAP						
	9	1	003-9163	1	ELBOW						
	10	1	2D-2460	1	NIPPLE-PIPE						
	11	1	7L-4224	1	JOINT AS-TUBE						
		1	3N-2723	2	SEAL						
	12	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
	13	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	14	1	9S-8750	3	NUT-FULL (1/4-20-THD)						
	15	1	6S-2289	1	TEE						
	16	1	6V-7538	1	ELBOW-PIPE						
	17	1	7W-5098	1	FITTING AS						
	18	1	8T-6765	1	PLUG-PIPE						
	19	1	2W-8721	1	FITTING						



GRAPHIC #1

<END>

g00194861

FUEL SYSTEM

7N-6112 REGULATOR GP - GAS PRESSURE

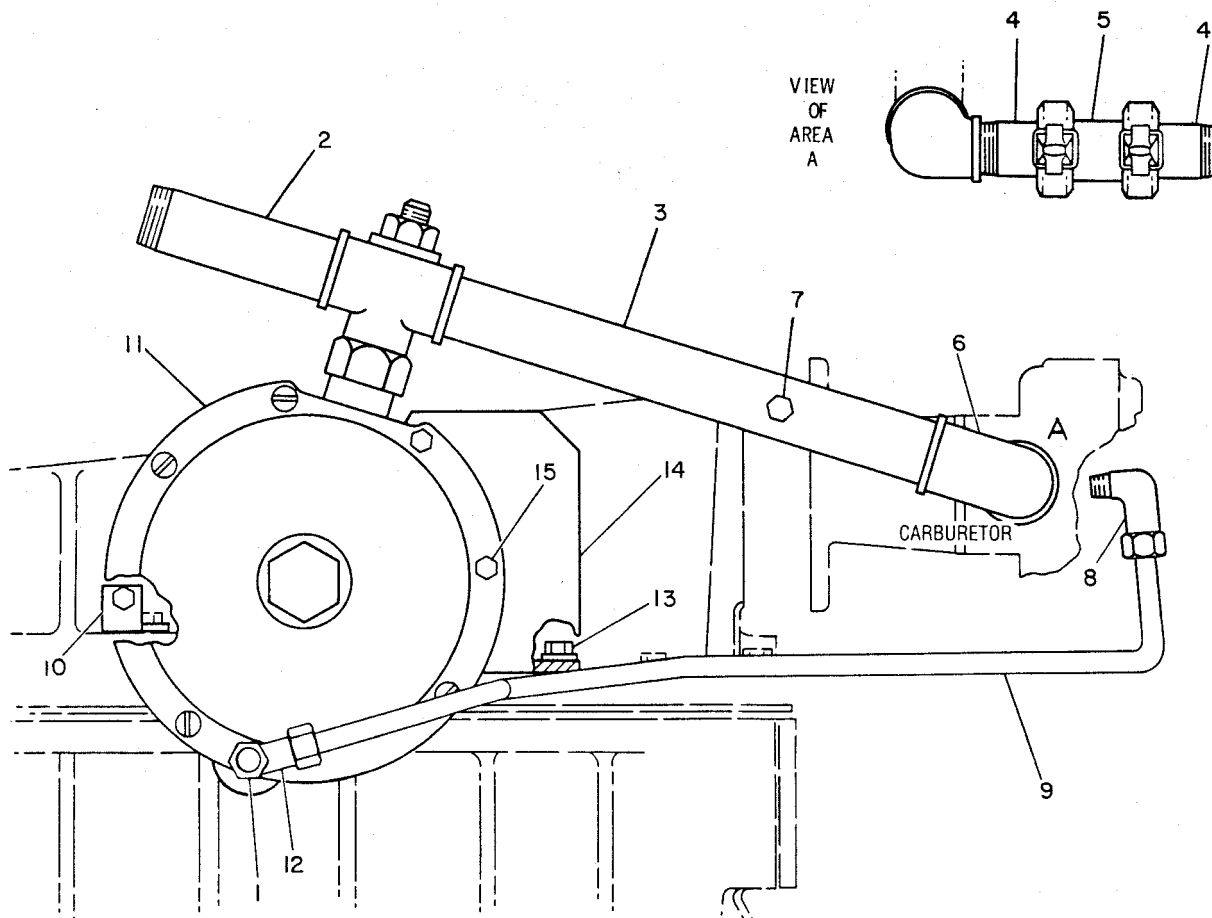
AN ATTACHMENT

SMCS-1270

i03018350

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8S-4950	1	CAP						
	2	1	2W-8721	1	FITTING						
C	3	1	2W-8615	1	FITTING AS						
	4	1	3H-6906	2	PIPE						
C	5	1	6V-6897	1	JOINT AS-PIPE						
		1	9X-7532	2	SEAL						
C	6	1	6V-7538	1	ELBOW-PIPE						
C	7	1	8T-6765	1	PLUG-PIPE						
	8	1	032-1268	1	ELBOW-FLARED						
C	9	1	7C-9950	1	TUBE AS						
	10	1	7N-3395	1	BRACE						
C	11	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	12	1	6S-2289	1	TEE						
	13	1	1B-9575	2	BOLT (5/16-18X1.56-IN)						
	14	1	7N-2999	1	BRACE-REGULATOR						
	15	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
		1	9S-8750	3	NUT-FULL (1/4-20-THD)						
		1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						

C- CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

<END>

g00194933

FUEL SYSTEM

110-4913 REGULATOR GP - GAS PRESSURE

GAS PRESSURE
AN ATTACHMENT

SMCS-1270

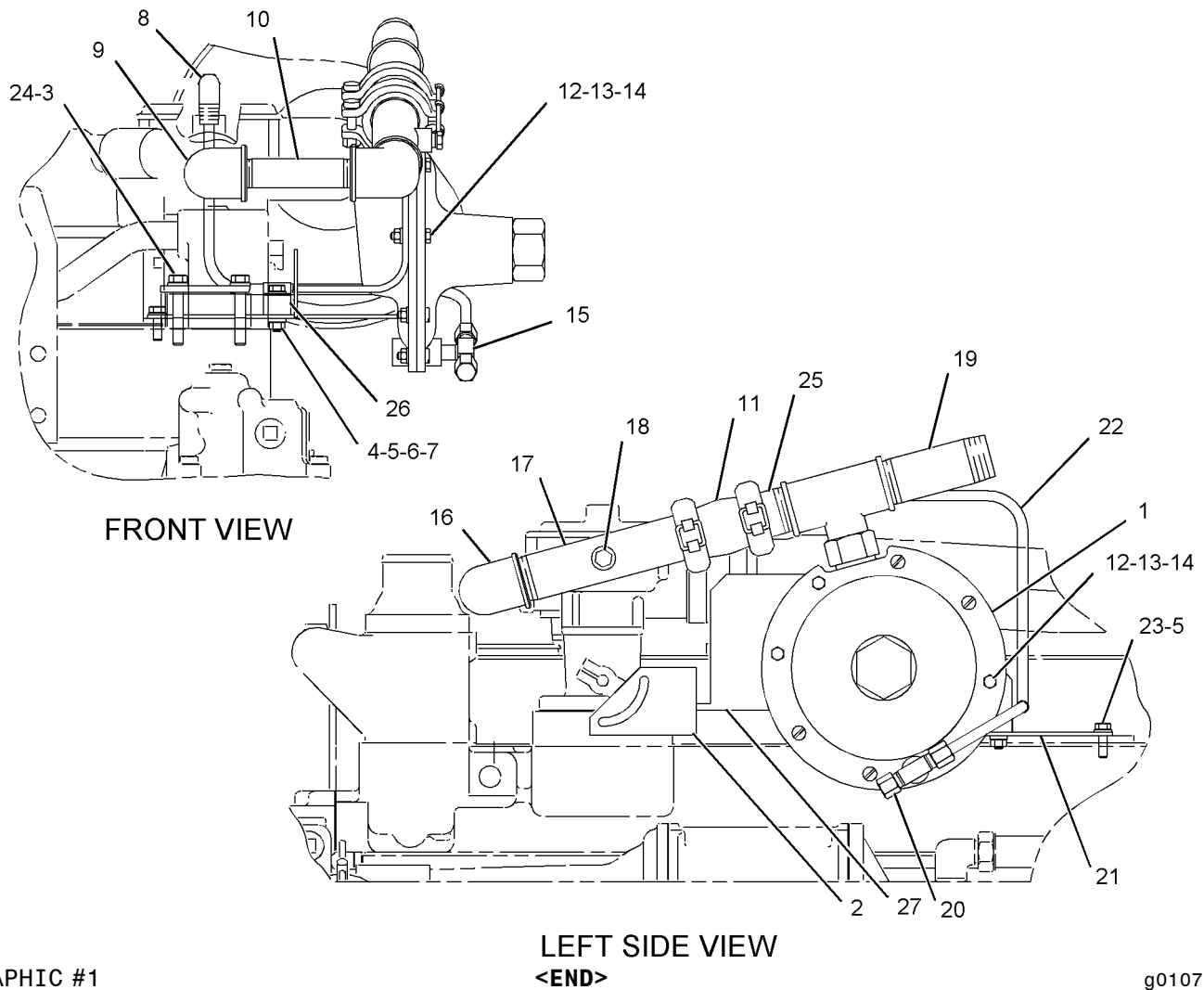
i03018340

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	2	1	110-4911	1	BRACKET AS						
	3	1	0L-2070	2	BOLT (3/8-16X2.25-IN)						
	4	1	1H-5514	1	BOLT (5/16-18X1.625-IN)						
	5	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	6	1	5S-0003	1	NUT (5/16-18-THD)						
	7	1	9S-4200	1	CLIP						
	8	1	7D-8793	1	ELBOW-FLARED						
	9	1	003-9163	1	ELBOW						
	10	1	2D-2460	1	NIPPLE-PIPE						
	11	1	7L-4224	1	JOINT AS-TUBE						
		1	3N-2723	2	SEAL						
	12	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
	13	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	14	1	9S-8750	3	NUT-FULL (1/4-20-THD)						
	15	1	6S-2289	1	TEE						
	16	1	6V-7538	1	ELBOW-PIPE						
	17	1	7W-5098	1	FITTING AS						
	18	1	8T-6765	1	PLUG-PIPE						
	19	1	2W-8721	1	FITTING						
	20	1	8S-4950	1	CAP						
	21	1	2W-8483	1	BRACE						
	22	1	117-4038	1	TUBE AS-BALANCE						
	23	1	0S-1618	2	BOLT (5/16-18X1-IN)						
	24	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	25	1	163-3392	1	FITTING						
	26	1	8L-5423	1	SPACER (0.406X1X0.712-IN THK)						
	27	1	2W-8484	1	BRACKET						

FUEL SYSTEM

110-4913 REGULATOR GP - GAS PRESSURE (contd.)

i03018340



GRAPHIC #1

g01076886

FUEL SYSTEM

132-1152 REGULATOR GP-GAS PRESSURE

AN ATTACHMENT

SMCS-1270

i03018360

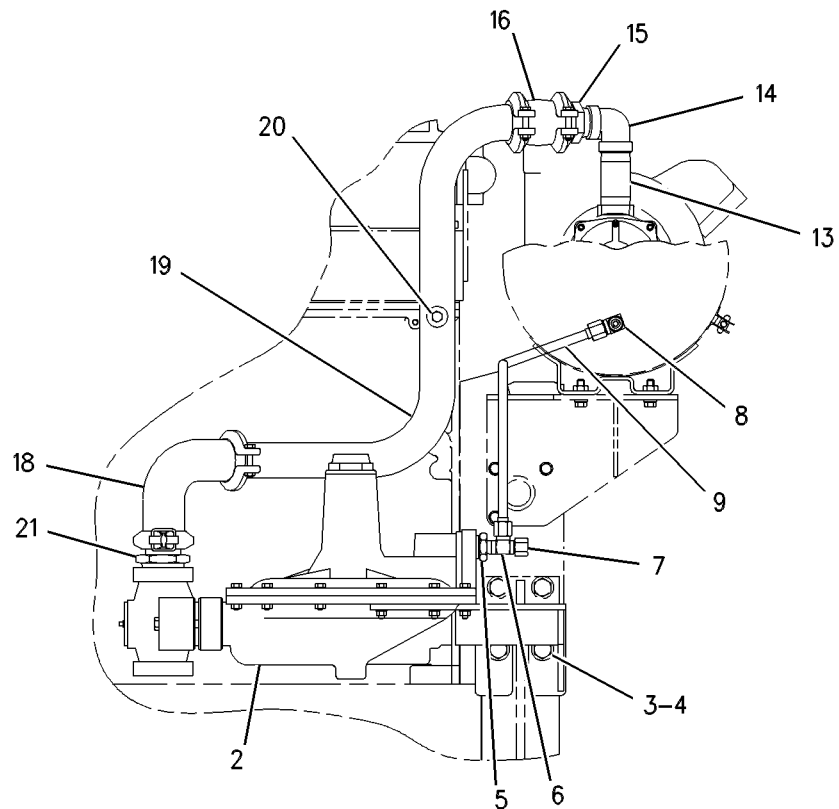
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-1148	1	BRACKET AS						
Y	2	1	154-9638	1	REGULATOR AS-GAS PRESSURE						225
	3	1	0S-1589	2	BOLT (5/8-11X1.75-IN)						
	4	1	5P-8247	2	WASHER-HARD (17X32X3.5-MM THK)						
	5	1	6B-1628	1	BUSHING-REDUCING						
	6	1	5P-4495	1	TEE-FLARED						
	7	1	8S-4951	1	CAP (FLARED)						
	8	1	6L-9777	1	ELBOW-FLARED						
	9	1	132-1151	1	TUBE AS						
	10	1	1B-9575	5	BOLT (5/16-18X1.56-IN)						
	11	1	9M-1974	5	WASHER-HARD (8.8X16X2-MM THK)						
	12	1	5S-0003	5	NUT (5/16-18-THD)						
	13	1	3D-2189	1	FITTING						
	14	1	3B-6499	1	ELBOW						
	15	1	7C-9738	1	ADAPTER						
	16	1	6L-2849	1	JOINT AS-TUBE						
		1	9X-7521	2	SEAL						
	17	1	3P-1823	1	ADAPTER-PIPE						
	18	1	3N-3177	1	JOINT AS-TUBE						
		1	9X-7529	2	SEAL						
	19	1	132-1149	1	TUBE AS						
	20	1	8T-6765	1	PLUG-PIPE						
	21	1	9Y-9797	1	ADAPTER						

Y-SEPARATE ILLUSTRATION

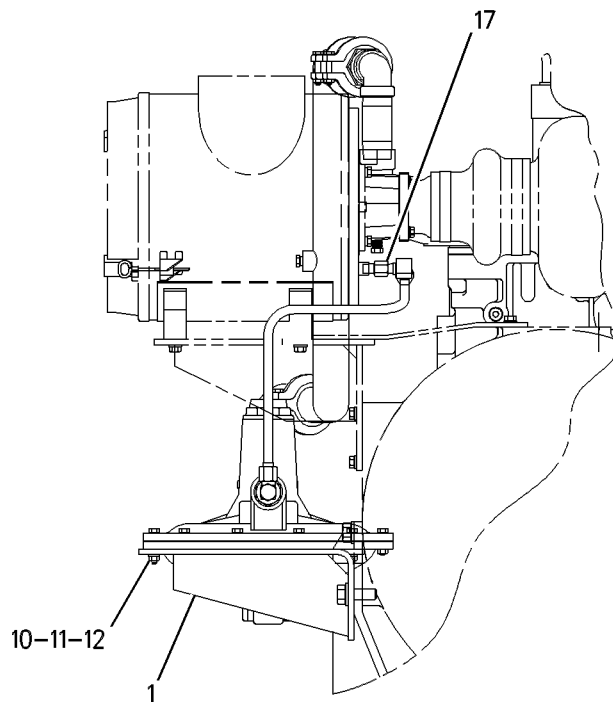
FUEL SYSTEM

132-1152 REGULATOR GP - GAS PRESSURE (contd.)

i03018360



LEFT SIDE VIEW



REAR VIEW

GRAPHIC #1

<END>

g00476409

FUEL SYSTEM

310-4077 REGULATOR GP - GAS PRESSURE AN ATTACHMENT

SMCS-1270

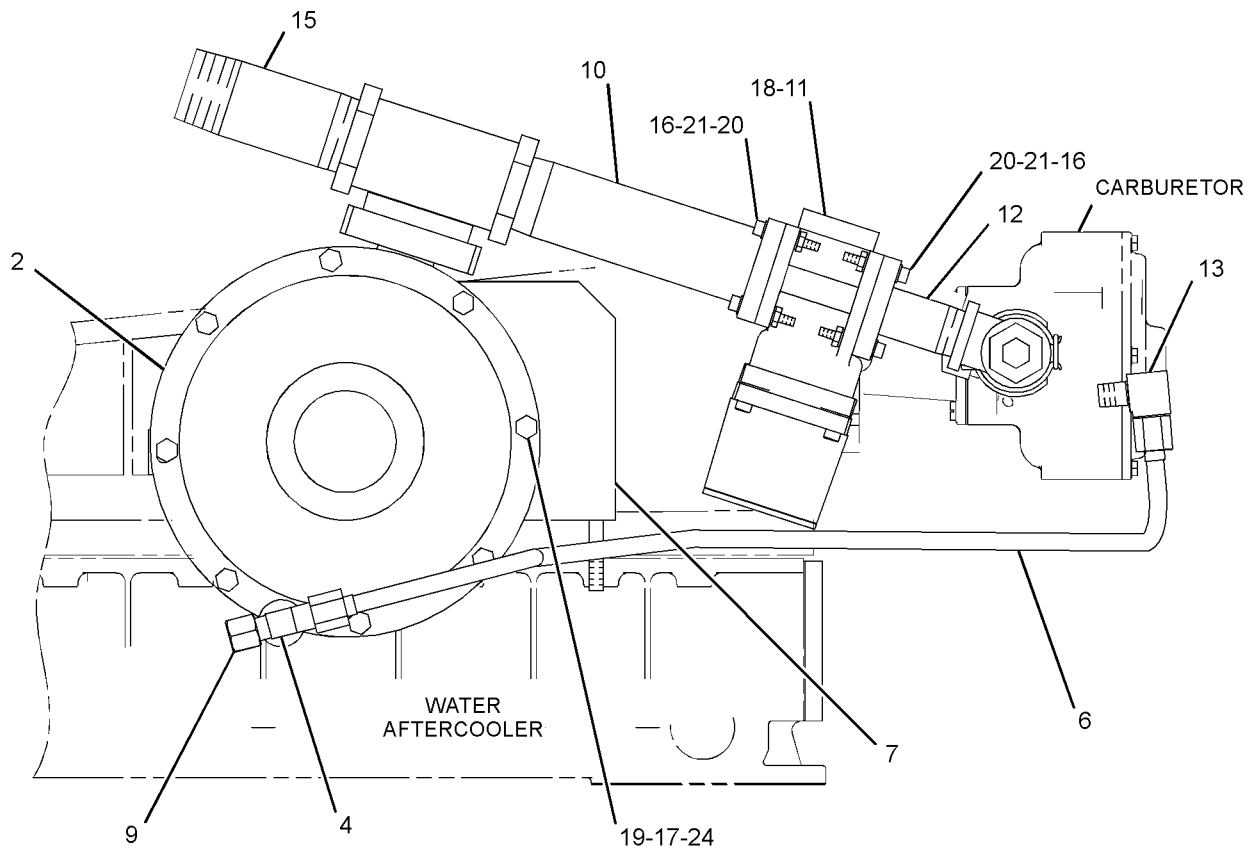
i03007995

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1L-8444	1	TEE						
	2	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	3	1	3H-6906	2	PIPE						
	4	1	6S-2289	1	TEE						
	5	1	6V-6897	1	JOINT AS-PIPE						
		1	6V-6898	2	SEAL						
	6	1	7C-9950	1	TUBE AS						
	7	1	7N-2999	1	BRACE-REGULATOR						
	8	1	7N-3395	1	BRACE						
	9	1	8S-4950	1	CAP						
	10	1	308-3528	1	TUBE AS						
	11	1	310-7379	1	VALVE GP-FUEL						
	12	1	311-3582	1	TUBE AS						
	13	1	032-1268	1	ELBOW-FLARED						
	14	1	1B-9575	2	BOLT (5/16-18X1.56-IN)						
	15	1	2W-8721	1	FITTING						
	16	1	4B-2047	8	NUT (10-24-THD)						
	17	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	18	1	6V-5391	2	SEAL-O-RING						
	19	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
	20	1	7L-0688	8	BOLT-SOCKET HEAD (10-24X1.2-IN)						
	21	1	8T-0328	16	WASHER-HARD (5.5X10X1-MM THK)						
	22	1	8T-6765	1	PLUG-PIPE						
	23	1	9B-3523	1	BUSHING						
	24	1	9S-8750	3	NUT-FULL (1/4-20-THD)						

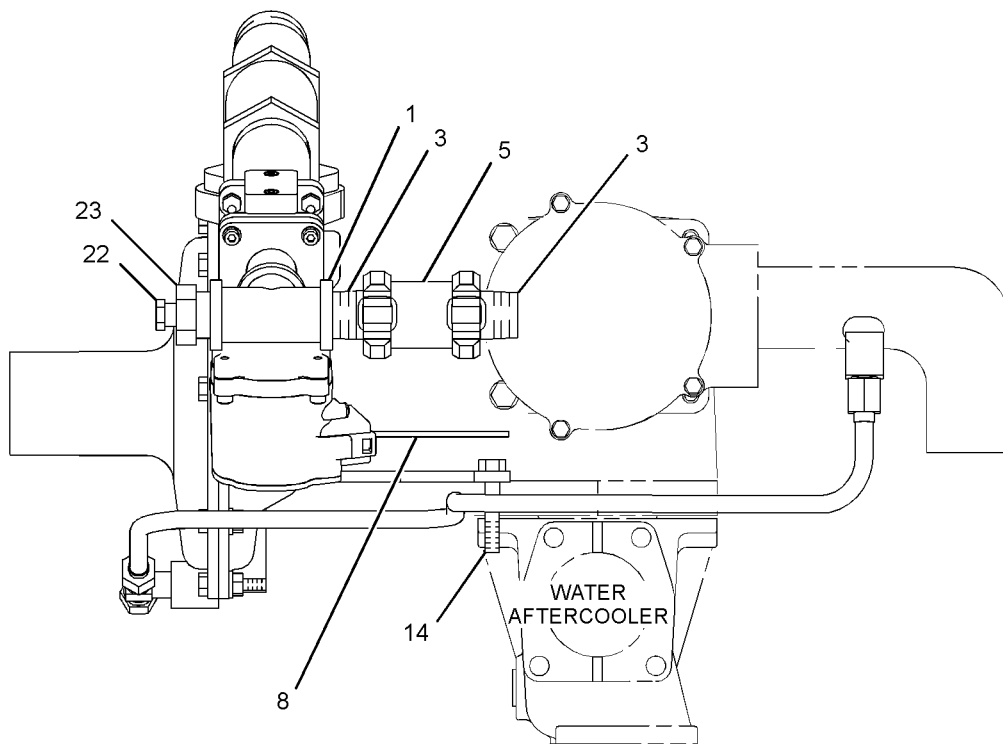
FUEL SYSTEM

310-4077 REGULATOR GP - GAS PRESSURE (contd.)

i03007995



LEFT SIDE VIEW OF ENGINE



REAR VIEW OF ENGINE

GRAPHIC #1

<END>

g01516436

FUEL SYSTEM

310-4078 REGULATOR GP - GAS PRESSURE

AN ATTACHMENT

SMCS-1270

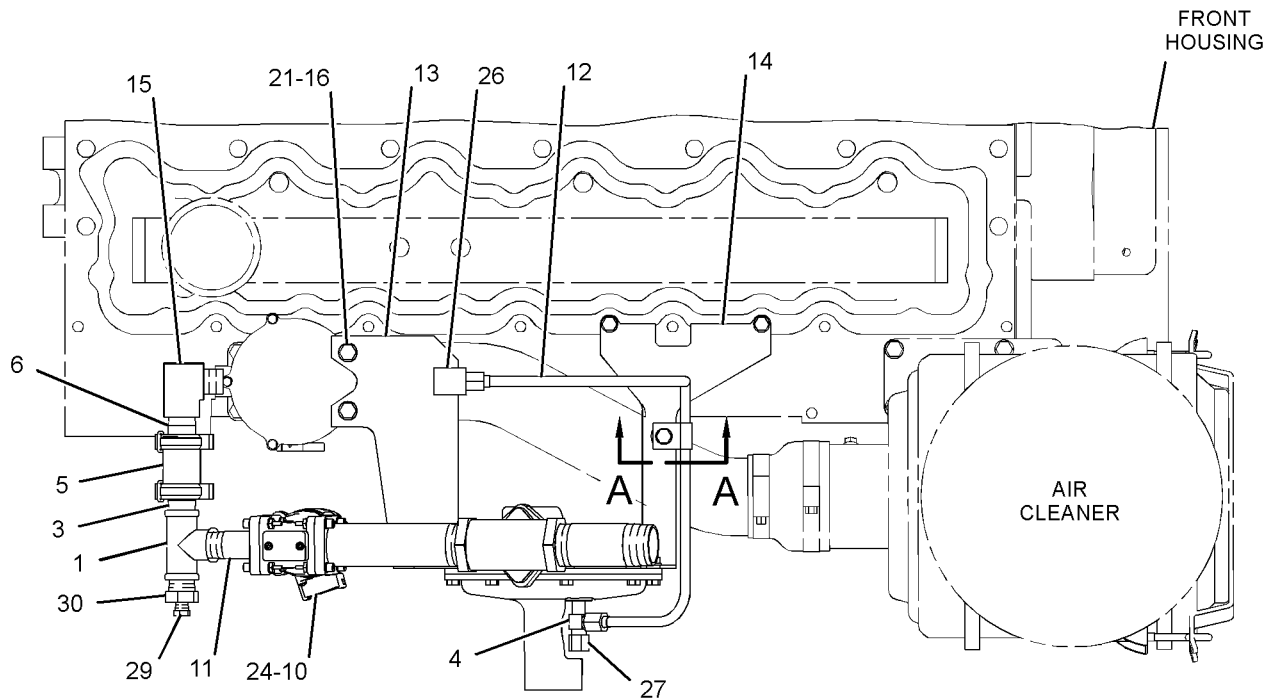
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NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1L-8444	1	TEE						
	2	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	3	1	3H-6906	1	PIPE						
	4	1	6S-2289	1	TEE						
	5	1	6V-6897	1	JOINT AS-PIPE						
		1	6V-6898	2	SEAL						
	6	1	7K-7739	1	PIPE						
	7	1	7L-0688	8	BOLT-SOCKET HEAD (10-24X1.2-IN)						
	8	1	8L-5423	1	SPACER (0.406X1X0.712-IN THK)						
	9	1	308-3528	1	TUBE AS						
	10	1	310-7379	1	VALVE GP-FUEL						
	11	1	311-3582	1	TUBE AS						
	12	1	312-2696	1	TUBE AS						
	13	1	312-2697	1	BRACKET						
	14	1	312-2698	1	BRACE						
	15	1	003-9163	1	ELBOW						
	16	1	0L-2070	2	BOLT (3/8-16X2.25-IN)						
	17	1	0S-1618	2	BOLT (5/16-18X1-IN)						
	18	1	1H-5514	1	BOLT (5/16-18X1.625-IN)						
	19	1	2W-8721	1	FITTING						
	20	1	4B-2047	8	NUT (10-24-THD)						
	21	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	22	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	23	1	5S-0003	1	NUT (5/16-18-THD)						
	24	1	6V-5391	2	SEAL-O-RING						
	25	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
	26	1	7D-8793	1	ELBOW-FLARED						
	27	1	8S-4950	1	CAP						
	28	1	8T-0328	16	WASHER-HARD (5.5X10X1-MM THK)						
	29	1	8T-6765	1	PLUG-PIPE						
	30	1	9B-3523	1	BUSHING						
	31	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	32	1	9S-4200	1	CLIP						
	33	1	9S-8750	3	NUT-FULL (1/4-20-THD)						

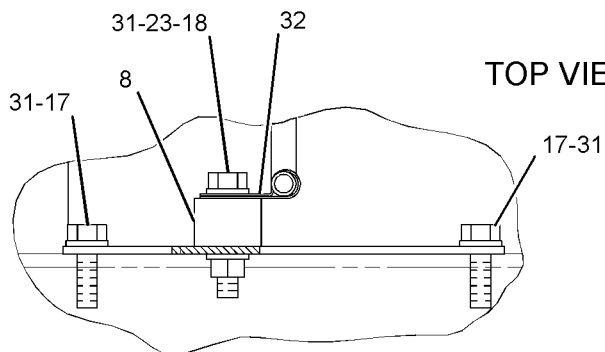
FUEL SYSTEM

310-4078 REGULATOR GP - GAS PRESSURE (contd.)

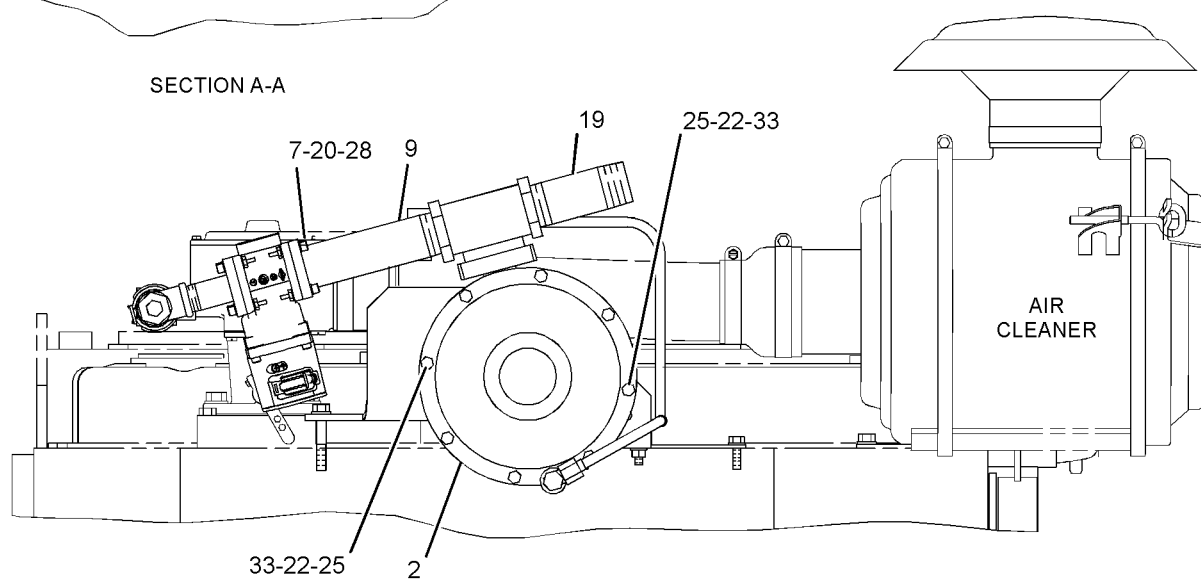
i03018364



TOP VIEW OF ENGINE



SECTION A-A



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01519684

FUEL SYSTEM

312-3654 REGULATOR GP-GAS PRESSURE

AN ATTACHMENT

SMCS-1270

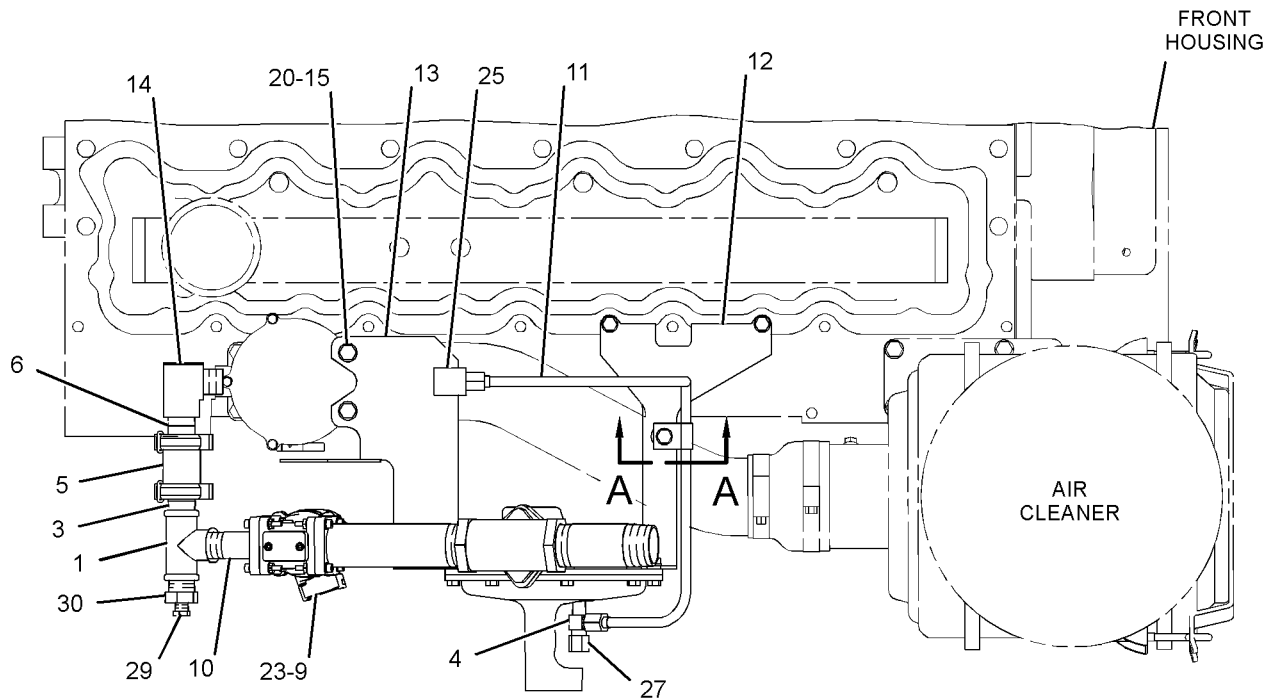
i03018365

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1L-8444	1	TEE						
	2	1	2W-6022	1	REGULATOR-PRESSURE (GAS)						
	3	1	3H-6906	1	PIPE						
	4	1	6S-2289	1	TEE						
	5	1	6V-6897	1	JOINT AS-PIPE						
		1	6V-6898	2	SEAL						
	6	1	7K-7739	1	PIPE						
	7	1	8L-5423	1	SPACER (0.406X1X0.712-IN THK)						
	8	1	308-3528	1	TUBE AS						
	9	1	310-7379	1	VALVE GP-FUEL						
	10	1	311-3582	1	TUBE AS						
	11	1	312-2696	1	TUBE AS						
	12	1	312-2698	1	BRACE						
	13	1	312-3655	1	BRACKET AS						
	14	1	003-9163	1	ELBOW						
	15	1	0L-2070	2	BOLT (3/8-16X2.25-IN)						
	16	1	0S-1618	2	BOLT (5/16-18X1-IN)						
	17	1	1H-5514	1	BOLT (5/16-18X1.625-IN)						
	18	1	2W-8721	1	FITTING						
	19	1	4B-2047	8	NUT (10-24-THD)						
	20	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	21	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	22	1	5S-0003	1	NUT (5/16-18-THD)						
	23	1	6V-5391	2	SEAL-O-RING						
	24	1	7B-2742	3	BOLT (1/4-20X1.25-IN)						
	25	1	7D-8793	1	ELBOW-FLARED						
	26	1	7L-0688	8	BOLT-SOCKET HEAD (10-24X1.2-IN)						
	27	1	8S-4950	1	CAP						
	28	1	8T-0328	16	WASHER-HARD (5.5X10X1-MM THK)						
	29	1	8T-6765	1	PLUG-PIPE						
	30	1	9B-3523	1	BUSHING						
	31	1	9M-1974	4	WASHER-HARD (8.8X16X2-MM THK)						
	32	1	9S-4200	1	CLIP						
	33	1	9S-8750	3	NUT-FULL (1/4-20-THD)						

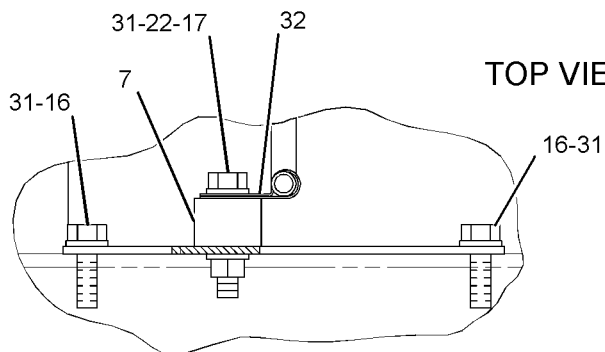
FUEL SYSTEM

312 - 3654 REGULATOR GP - GAS PRESSURE (contd.)

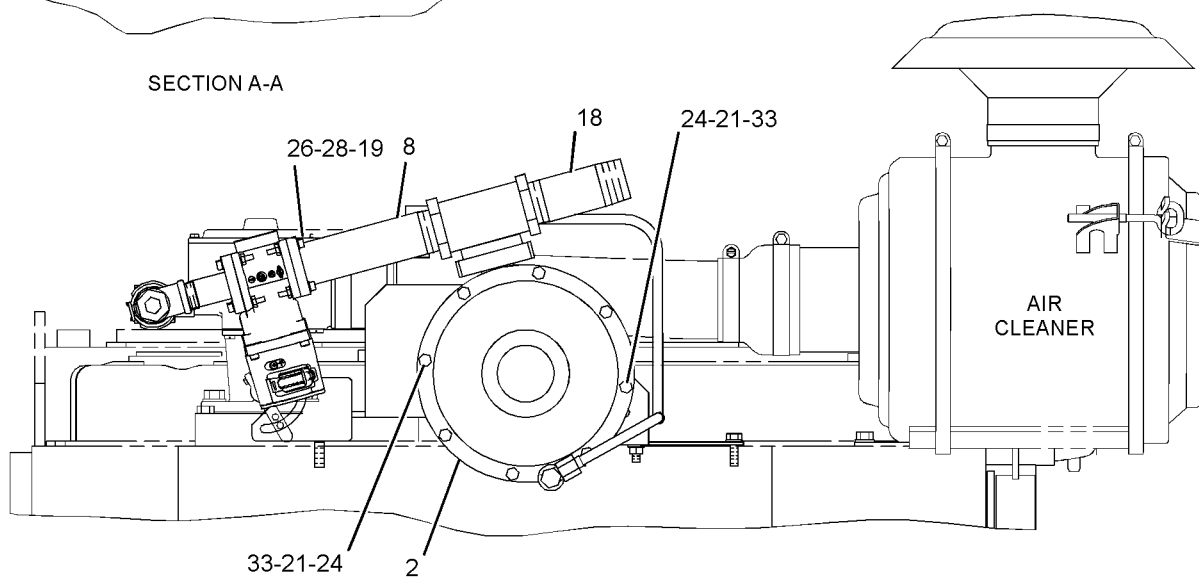
i03018365



TOP VIEW OF ENGINE



SECTION A-A



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01519804

FUEL SYSTEM

1N-9306 VALVE AS-GAS SHUTOFF

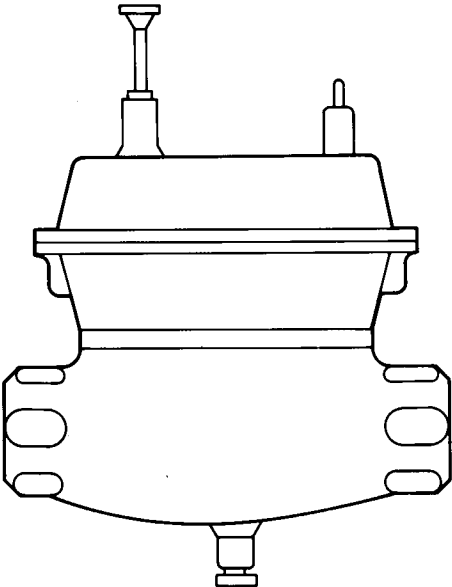
FOR USE WITH CAPACITOR DISCHARGE IGNITION SYSTEM (E271,267,161)
AN ATTACHMENT

SMCS-1329

i01790086

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	

(NO SERVICED PARTS)



GRAPHIC #1

<END>

g00145038

ELECTRICAL AND STARTING SYSTEM

3N-2706 ALTERNATOR GP-CHARGING

24 VOLT, 35 AMPERE

CANNOT BE USED WITH MOBILE EQUIPMENT FRONT SUPPORT
AN ATTACHMENT

SMCS-1405

i01791122

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4J-9683	1	SPACER (0.56X1X1.5-IN THK)						
	2	1	9X-8878	1	BOLT (1/2-13X5.25-IN)						
	3	1	1F-7958	2	NUT-FULL (1/2-13-THD)						
YR	4	1	6T-1395	1	ALTERNATOR GP-CHARGING						246
	5	1	8S-4182	1	STRAP						
	6	1	9S-1366	1	BOLT (1/2-13X2.5-IN)						
		1	2M-0849	1	WASHER-HARD (13.5X25.5X5-MM THK)						
		1	1K-4649	1	SPACER (0.516X1X1-IN THK)						
	7	1	3N-2705	1	BRACKET-MOUNTING						
	8	1	0S-1588	1	BOLT (3/8-16X1.25-IN)						
		1	9S-8752	1	NUT-FULL (3/8-16-THD)						
	9	1	0S-1619	1	BOLT (3/8-16X3-IN)						
	10	1	3N-2704	1	PLATE-MOUNTING						
	11	1	0S-1587	1	BOLT (1/2-13X1.75-IN)						
	12	1	4B-3388	2	BOLT (5/16-18X1.125-IN)						
		1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)						
	13	1	8L-4529	1	PULLEY-ALTERNATOR						
	14	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	15	1	6L-3483	2	COVER-TERMINAL						
	16	1	5P-8245	4	WASHER-HARD (13.5X25.5X3-MM THK)						

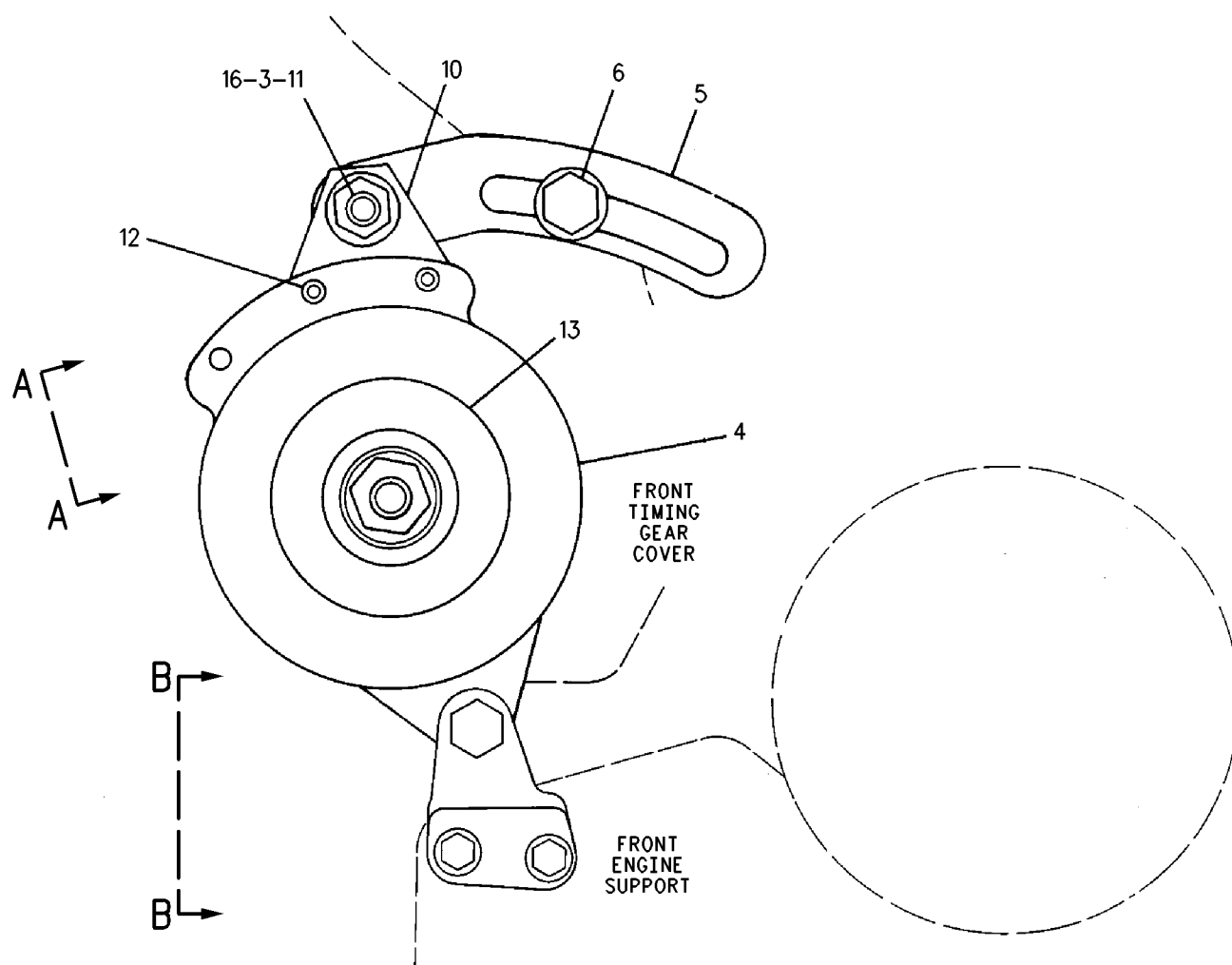
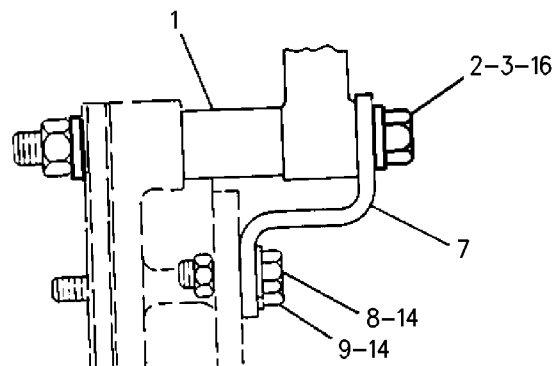
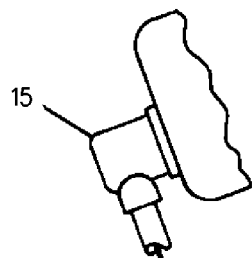
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

3N-2706 ALTERNATOR GP-CHARGING (contd.)

i01791122



GRAPHIC #1

<END>

g00917607

ELECTRICAL AND STARTING SYSTEM

3N-2708 ALTERNATOR GP-CHARGING

12 VOLT, 55 AMPERE
AN ATTACHMENT

SMCS-1405

i01791126

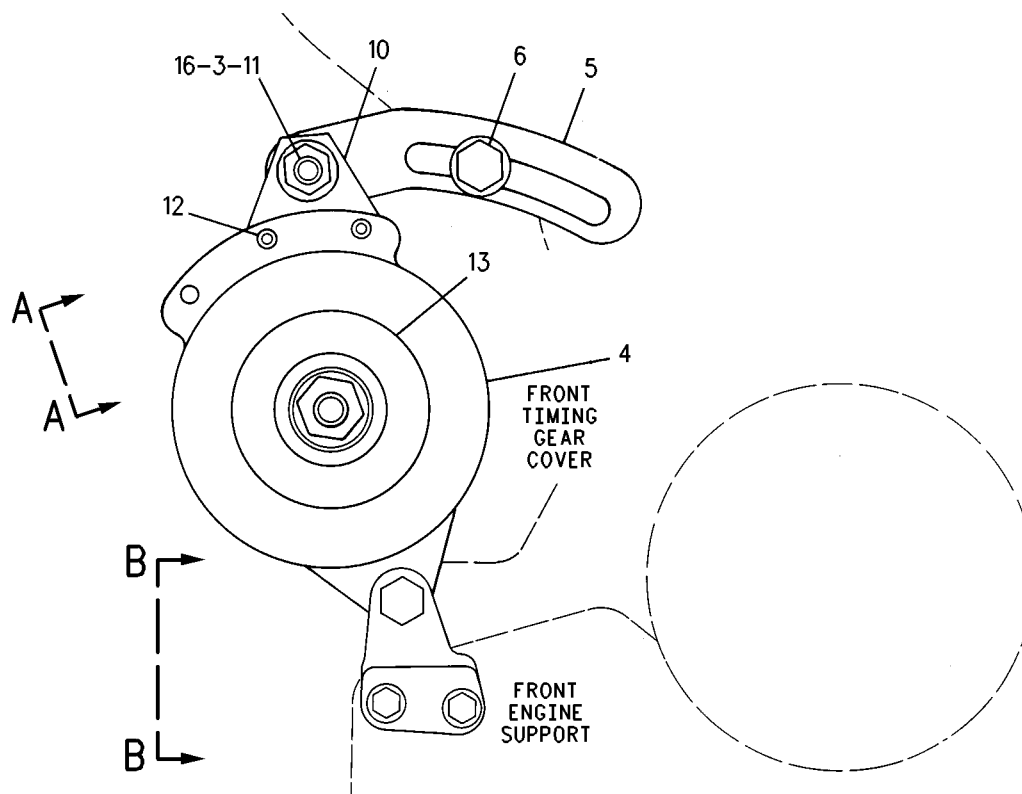
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4J-9683	1	SPACER (0.56X1X1.5-IN THK)	
	2	1	9X-8878	1	BOLT (1/2-13X5.25-IN)	
	3	1	1F-7958	2	NUT-FULL (1/2-13-THD)	
YR	4	1	6T-1396	1	ALTERNATOR GP-CHARGING	248
	5	1	8S-4182	1	STRAP	
	6	1	9S-1366	1	BOLT (1/2-13X2.5-IN)	
		1	2M-0849	1	WASHER-HARD (13.5X25.5X5-MM THK)	
		1	1K-4649	1	SPACER (0.516X1X1-IN THK)	
	7	1	3N-2705	1	BRACKET-MOUNTING	
	8	1	0S-1588	1	BOLT (3/8-16X1.25-IN)	
		1	9S-8752	1	NUT-FULL (3/8-16-THD)	
	9	1	0S-1619	1	BOLT (3/8-16X3-IN)	
	10	1	3N-2704	1	PLATE-MOUNTING	
	11	1	0S-1587	1	BOLT (1/2-13X1.75-IN)	
	12	1	4B-3388	2	BOLT (5/16-18X1.125-IN)	
		1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)	
	13	1	8L-4529	1	PULLEY-ALTERNATOR	
	14	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	6L-3483	2	COVER-TERMINAL	
	16	1	5P-8245	4	WASHER-HARD (13.5X25.5X3-MM THK)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

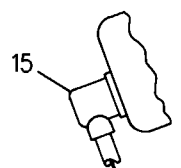
ELECTRICAL AND STARTING SYSTEM

3N-2708 ALTERNATOR GP-CHARGING (contd.)

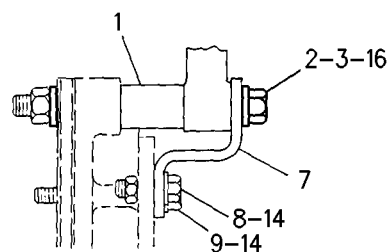
i01791126



FRONT VIEW



VIEW A-A



VIEW B-B

GRAPHIC #1

<END>

g00917368

ELECTRICAL AND STARTING SYSTEM

6T-1395 ALTERNATOR GP-CHARGING*R

24-VOLT, 35-AMPERE

PART OF 100-4511, 3N-2706 ALTERNATOR GP-CHARGING
AN ATTACHMENT

SMCS-1405

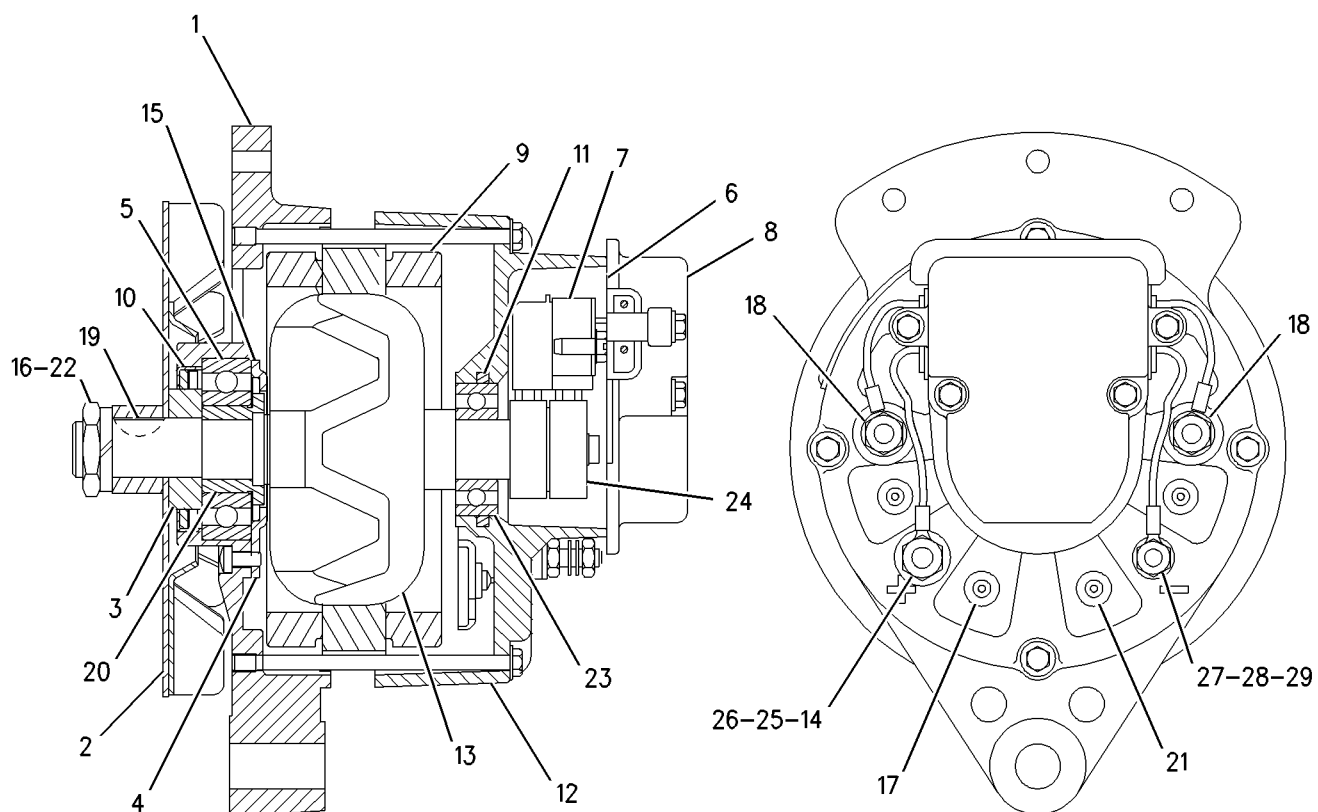
i02512455

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8L-9655	1	HOUSING-FRONT						
	2	1	8L-9661	1	FAN-ALTERNATOR (14-BLADE)						
	3	1	1N-9087	1	SPACER (0.628X1.35X0.33-MM THK)						
	4	1	8L-9657	1	RETAINER-FRONT BEARING						
	5	1	1S-7056	1	BALL BEARING						
	6	1	8L-9362	1	GASKET-COVER						
	7	1	6T-2031	1	BRUSH AS						
	8	1	134-8278	1	REGULATOR GP-VOLTAGE (24 VOLT) (ALTERNATOR)						
	9	1	143-9760	1	STATOR AS						
	10	1	8L-9663	1	SEAL-GREASE						
	11	1	9G-5208	1	RETAINER-REAR BEARING						
	12	1	6T-9446	1	HOUSING-REAR						
	13	1	3N-1202	1	ROTOR AS						
		1	5P-6836	1	BEARING (DOUBLE SHIELD)						
		1	3K-6168	1	BOLT-SOCKET HEAD (10-32X0.625-IN)						
		1	7H-2079	1	LOCKWASHER						
		1	3N-1223	1	WASHER (0.196X0.312X0.067-IN THK)						
	14	1	6V-8185	1	NUT (1/4-20-THD)						
	15	1	8L-9656	1	WASHER (31.8X40.9X2.36-MM THK)						
	16	1	6V-8645	1	NUT (5/8-18-THD)						
	17	1	7T-0676	1	DIODE AS-POSITIVE (3 DIODE)						
	18	1	7T-0895	2	CAP (ALTERNATOR)						
	19	1	1B-8704	1	KEY-WOODRUFF						
	20	1	8L-9654	1	SLEEVE-SHAFT						
	21	1	7T-0677	1	DIODE AS-NEGATIVE (3 DIODE)						
	22	1	3B-4510	1	LOCKWASHER						
	23	1	5P-6836	1	BEARING (DOUBLE SHIELD)						
	24	1	3N-1200	1	RING AS-SLIP						
	25	1	8T-4205	1	WASHER-HARD (7.2X14.5X2-MM THK)						
	26	1	1H-3244	1	LOCKWASHER						
	27	1	4B-2047	1	NUT (10-24-THD)						
	28	1	8T-0328	1	WASHER-HARD (5.5X10X1-MM THK)						
	29	1	8F-1434	1	LOCKWASHER						
					AVAILABLE REPAIR KIT(S):						
			140-3005	1	KIT-TERMINAL (ALTERNATOR)						
					(INCLUDES INSULATORS, NUTS, LOCKWASHERS, SCREWS & WASHERS)						
			140-3004	1	KIT-HARDWARE (ALTERNATOR)						
					(INCLUDES BOLTS, LOCKWASHERS, NUTS, SCREWS, STRAPS & WASHERS)						

ELECTRICAL AND STARTING SYSTEM

6T-1395 ALTERNATOR GP-CHARGING (contd.)

i02512455



GRAPHIC #1

<END>

g00862986

ELECTRICAL AND STARTING SYSTEM

6T-1396 ALTERNATOR GP-CHARGING*R

12-VOLT, 51-AMPERE

PART OF 100-4510, 3N-2708 ALTERNATOR GP-CHARGING
AN ATTACHMENT

SMCS-1405

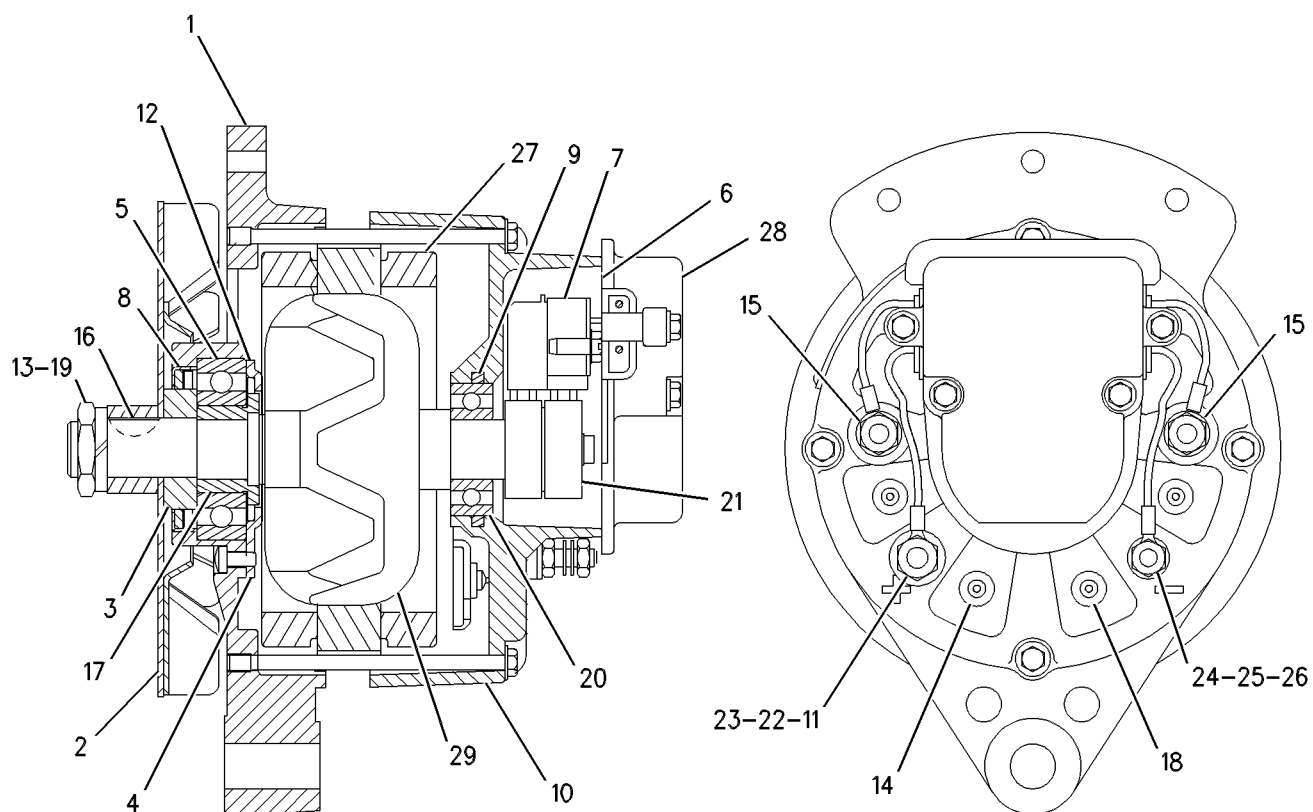
i02512457

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8L-9655	1	HOUSING-FRONT						
	2	1	8L-9661	1	FAN-ALTERNATOR (14-BLADE)						
	3	1	1N-9087	1	SPACER (0.628X1.35X0.33-MM THK)						
	4	1	8L-9657	1	RETAINER-FRONT BEARING						
	5	1	1S-7056	1	BALL BEARING						
	6	1	8L-9362	1	GASKET-COVER						
	7	1	6T-2031	1	BRUSH AS (ALTERNATOR)						
	8	1	8L-9663	1	SEAL-GREASE						
	9	1	9G-5208	1	RETAINER-REAR BEARING						
	10	1	6T-9446	1	HOUSING-REAR						
	11	1	6V-8185	1	NUT (1/4-20-THD)						
	12	1	8L-9656	1	WASHER (31.8X40.9X2.36-MM THK)						
	13	1	6V-8645	1	NUT (5/8-18-THD)						
	14	1	7T-0676	1	DIODE AS-POSITIVE (3 DIODE)						
	15	1	7T-0895	2	CAP (CONNECTOR)						
	16	1	1B-8704	1	KEY-WOODRUFF						
	17	1	8L-9654	1	SLEEVE-SHAFT						
	18	1	7T-0677	1	DIODE AS-NEGATIVE (3 DIODE)						
	19	1	3B-4510	1	LOCKWASHER						
	20	1	5P-6836	1	BEARING (DOUBLE SHIELD)						
	21	1	3N-1200	1	RING AS-SLIP						
	22	1	8T-4205	1	WASHER-HARD (7.2X14.5X2-MM THK)						
	23	1	1H-3244	1	LOCKWASHER						
	24	1	4B-2047	1	NUT (10-24-THD)						
	25	1	8T-0328	1	WASHER-HARD (5.5X10X1-MM THK)						
	26	1	8F-1434	1	LOCKWASHER						
	27	1	143-9759	1	STATOR AS						
	28	1	134-8277	1	REGULATOR GP-VOLTAGE (ALTERNATOR) (12-VOLT)						
	29	1	3N-1203	1	ROTOR AS						
		1	5P-6836	1	BEARING (DOUBLE SHIELD)						
		1	3K-6168	1	BOLT-SOCKET HEAD (10-32X0.625-IN)						
		1	7H-2079	1	LOCKWASHER						
		1	3N-1223	1	WASHER (0.196X0.312X0.067-IN THK)						
					AVAILABLE REPAIR KIT(S) :						
			140-3004	1	KIT-HARDWARE (ALTERNATOR)						
					(INCLUDES BOLTS, NUTS, KEY LOCKWASHERS & SCREWS)						
			140-3005	1	KIT-TERMINAL (ALTERNATOR)						
					(INCLUDES CAP, SLEEVES, NUTS, INSULATORS & WASHERS)						

ELECTRICAL AND STARTING SYSTEM

6T-1396 ALTERNATOR GP-CHARGING (contd.)

i02512457



GRAPHIC #1

<END>

g00282513

ELECTRICAL AND STARTING SYSTEM

100-4510 ALTERNATOR GP-CHARGING

12 VOLT, 55 AMPERE

FOR USE WITH FRONT ENGINE SUPPORT. CANNOT BE USED WITH POWER TAKE-OFF
AN ATTACHMENT

SMCS-1405

i01791135

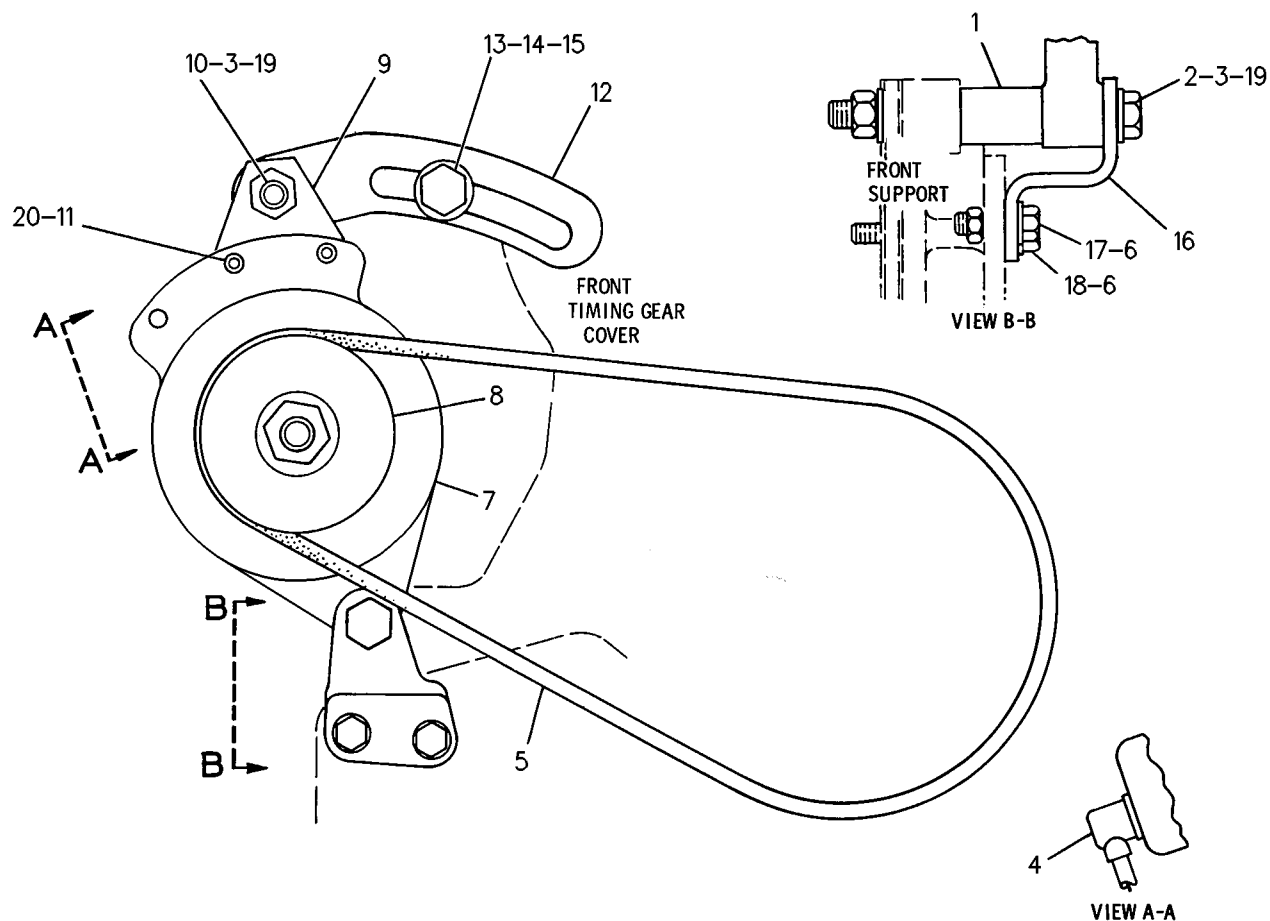
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4J-9683	1	SPACER (0.56X1X1.5-IN THK)	
	2	1	9X-8878	1	BOLT (1/2-13X5.25-IN)	
	3	1	1F-7958	2	NUT-FULL (1/2-13-THD)	
	4	1	6L-3483	2	COVER-TERMINAL	
	5	1	5L-3979	1	V-BELT (ALTERNATOR)	
	6	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
YR	7	1	6T-1396	1	ALTERNATOR GP-CHARGING	248
	8	1	8L-4897	1	PULLEY-ALTERNATOR	
	9	1	3N-2704	1	PLATE-MOUNTING	
	10	1	0S-1587	1	BOLT (1/2-13X1.75-IN)	
	11	1	4B-3388	2	BOLT (5/16-18X1.125-IN)	
	12	1	8S-4182	1	STRAP	
	13	1	9S-1366	1	BOLT (1/2-13X2.5-IN)	
	14	1	2M-0849	1	WASHER-HARD (13.5X25.5X5-MM THK)	
	15	1	1K-4649	1	SPACER (0.516X1X1-IN THK)	
	16	1	3N-2705	1	BRACKET-MOUNTING	
	17	1	0S-1588	1	BOLT (3/8-16X1.25-IN)	
		1	9S-8752	1	NUT-FULL (3/8-16-THD)	
	18	1	0S-1619	1	BOLT (3/8-16X3-IN)	
	19	1	5P-8245	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	20	1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)	

R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

100-4510 ALTERNATOR GP - CHARGING (contd.)

i01791135



GRAPHIC #1

<END>

g00229258

ELECTRICAL AND STARTING SYSTEM

100-4511 ALTERNATOR GP-CHARGING

24 VOLT, 35 AMPERE

FOR USE WITH FRONT ENGINE SUPPORT. CANNOT BE USED WITH PTO OR FAN DRIVE
AN ATTACHMENT

SMCS-1405

i01791138

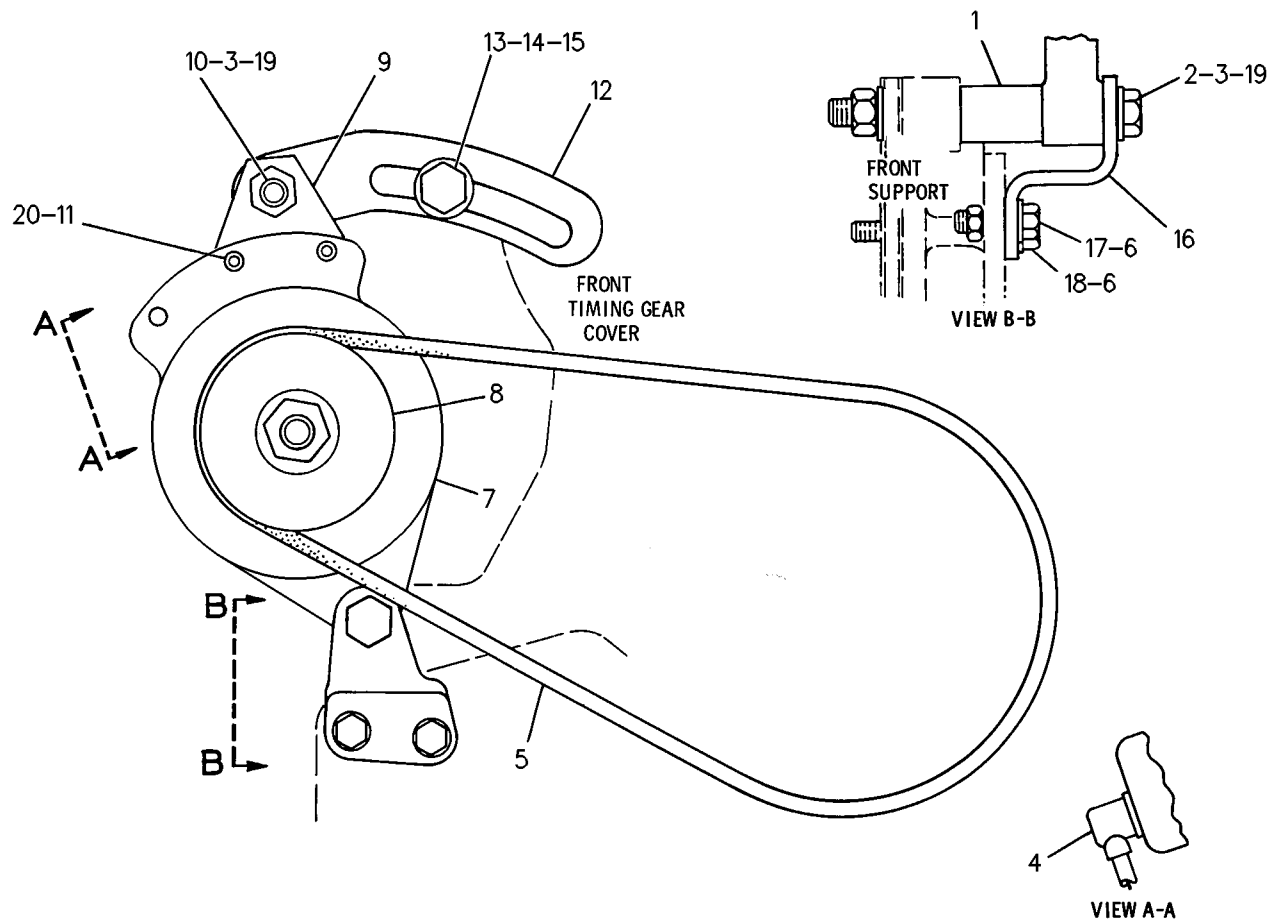
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4J-9683	1	SPACER (0.56X1X1.5-IN THK)	
	2	1	9X-8878	1	BOLT (1/2-13X5.25-IN)	
	3	1	1F-7958	2	NUT-FULL (1/2-13-THD)	
	4	1	6L-3483	2	COVER-TERMINAL	
	5	1	5L-3979	1	V-BELT (ALTERNATOR)	
	6	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
YR	7	1	6T-1395	1	ALTERNATOR GP-CHARGING	246
	8	1	8L-4897	1	PULLEY-ALTERNATOR	
	9	1	3N-2704	1	PLATE-MOUNTING	
	10	1	0S-1587	1	BOLT (1/2-13X1.75-IN)	
	11	1	4B-3388	2	BOLT (5/16-18X1.125-IN)	
	12	1	8S-4182	1	STRAP	
	13	1	9S-1366	1	BOLT (1/2-13X2.5-IN)	
	14	1	2M-0849	1	WASHER-HARD (13.5X25.5X5-MM THK)	
	15	1	1K-4649	1	SPACER (0.516X1X1-IN THK)	
	16	1	3N-2705	1	BRACKET-MOUNTING	
	17	1	0S-1588	1	BOLT (3/8-16X1.25-IN)	
		1	9S-8752	1	NUT-FULL (3/8-16-THD)	
	18	1	0S-1619	1	BOLT (3/8-16X3-IN)	
	19	1	5P-8245	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	20	1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)	

R- REMFG PART MAY BE AVAILABLE
Y- SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

100-4511 ALTERNATOR GP - CHARGING (contd.)

i01791138



GRAPHIC #1

<END>

g00229258

ELECTRICAL AND STARTING SYSTEM

7W-0408 BATTERY CHARGER

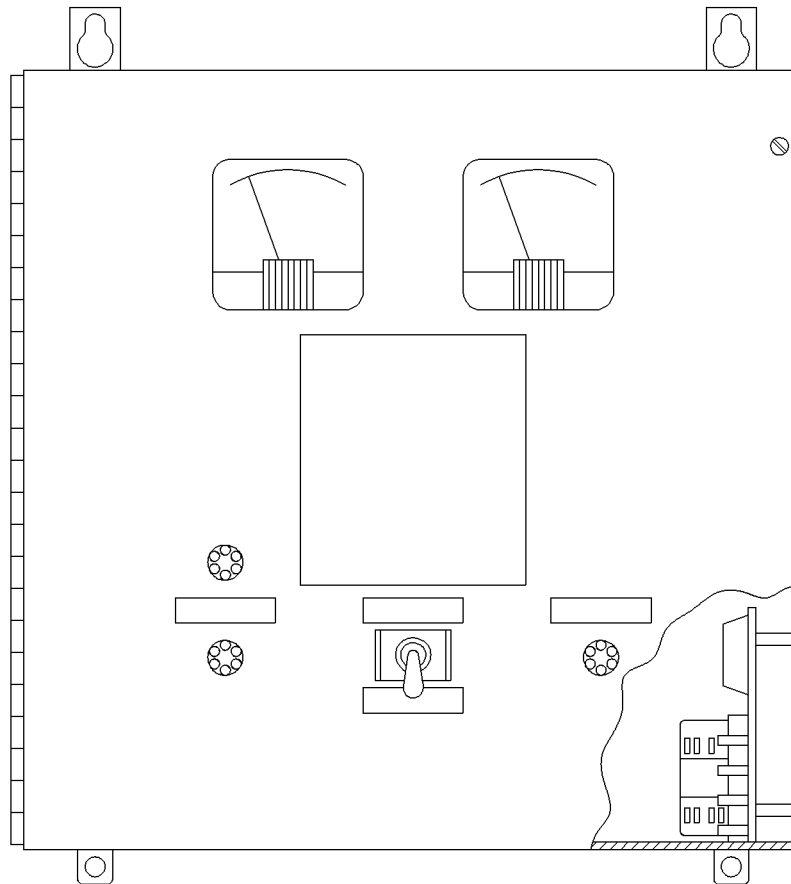
24-VOLT

FOR USE WITH LEAD ACID OR NICAD BATTERY
AN ATTACHMENT

SMCS-1401, 1406

i01505530

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME							SEE PAGE
					1	2	3	4	5	6	(PRODUCT LEVEL)	
(NO SERVICED PARTS)												



GRAPHIC #1

<END>

g00746505

ELECTRICAL AND STARTING SYSTEM

131-0832 BATTERY CHARGER GP

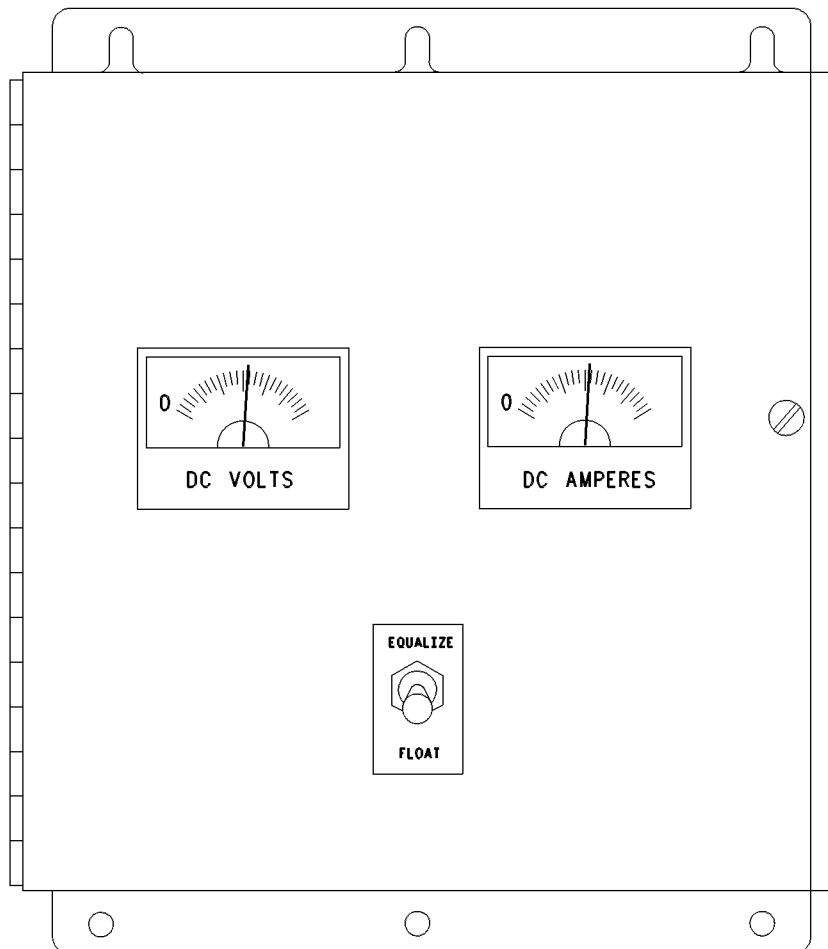
20-AMPERE, 24-VOLTS DC, NFPA 110

AN ATTACHMENT

SMCS-1401, 1406

i02159173

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
F		1	131-3472	1	FUSE (12-AMPERE)						
F		1	131-3474	1	FUSE (15-AMPERE)						
F		1	131-3475	1	FUSE (35-AMPERE)						
F - NOT SHOWN											



GRAPHIC #1

<END>

g00324803

ELECTRICAL AND STARTING SYSTEM

7C-1899 BATTERY GP

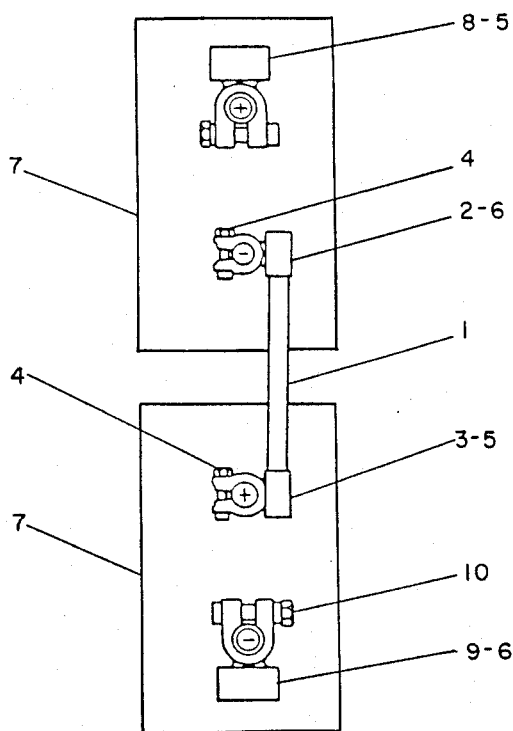
24 VOLT, 580 COLD CRANKING AMPERE, 66-AMPERE HOUR
FOR USE WITH BATTERY SUPPORT
AN ATTACHMENT

SMCS-1401

i02730453

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2V-7397	1	CABLE AS						
E		1	5P-0747		CABLE (00-GA, BLACK) (20-CM)						
	2	1	5M-9205	1	TERMINAL AS (NEGATIVE)						
	3	1	5M-9204	1	TERMINAL AS (POSITIVE)						
					(EACH TERMINAL AS INCLUDES)						
	4	1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	5	1	9G-0004	2	COVER-TERMINAL (RED)						
	6	1	9G-0003	2	COVER-TERMINAL (BLACK)						
	7	1	3T-5857	2	BATTERY (12-VOLT)						
	8	1	5M-9204	1	TERMINAL AS (POSITIVE)						
	9	1	5M-9205	1	TERMINAL AS (NEGATIVE)						
					(EACH TERMINAL AS INCLUDES)						
	10	1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00185831

ELECTRICAL AND STARTING SYSTEM

7C-1976 BATTERY GP

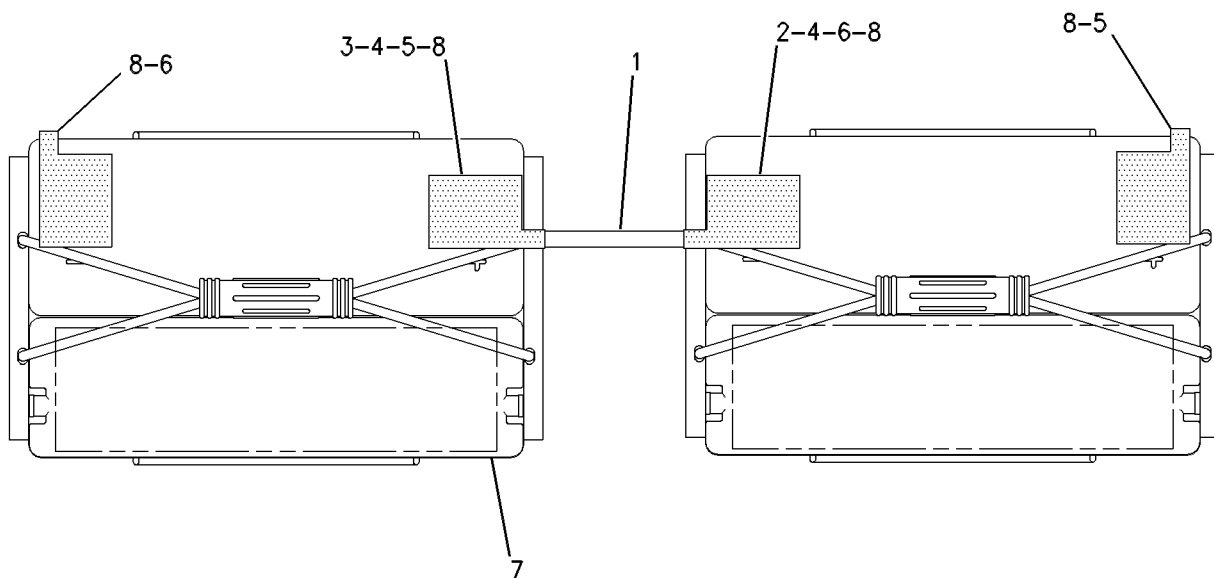
24 VOLT, 67 AMPERE. LOW MAINTENANCE
FOR USE WITH BATTERY SUPPORT
AN ATTACHMENT

SMCS-1401

i01298227

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2V-7397	1	CABLE AS						
E		1	5P-0747		CABLE (00-GA, BLACK) (20CM)						
	2	1	5M-9205	1	TERMINAL AS (NEGATIVE)						
	3	1	5M-9204	1	TERMINAL AS (POSITIVE)						
					(EACH TERMINAL AS INCLUDES)						
	4	1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	5	1	9G-0004	2	COVER-TERMINAL (RED)						
	6	1	9G-0003	2	COVER-TERMINAL (BLACK)						
	7	1	153-5656	2	BATTERY (12-VOLT, MAINTENANCE FREE)						
	8	1	8L-8413	4	STRAP-CABLE						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00635090

ELECTRICAL AND STARTING SYSTEM

7L - 7867 BATTERY GP

12 VOLT, 240 AMPERE

AN ATTACHMENT

SMCS - 1401

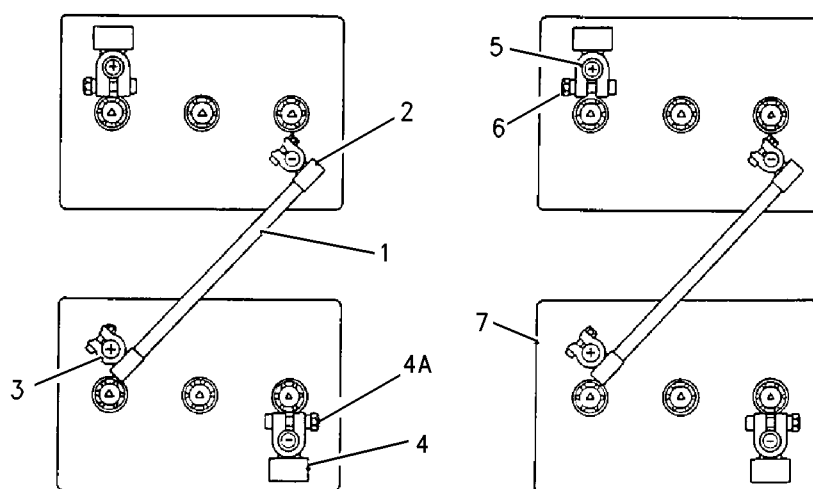
i01959661

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1L-5686	2	CABLE AS						
E					(EACH INCLUDES)						
		1	5P-0747		CABLE (00-GA, BLACK) (32CM)						
	2	1	5M-9205	1	TERMINAL AS (NEGATIVE)						
		1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	3	1	5M-9204	1	TERMINAL AS (POSITIVE)						
		1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	4	1	5M-9205	2	TERMINAL AS (NEGATIVE)						
					(EACH INCLUDES)						
	4A	1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	5	1	5M-9204	2	TERMINAL AS (POSITIVE)						
					(EACH INCLUDES)						
	6	1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	7	1	153-5690	4	BATTERY (6-VOLT)						
					(EACH INCLUDES)						
		1	7N-0060	3	VENT AS (BATTERY)						
E-ORDER BY THE CENTIMETER											

ELECTRICAL AND STARTING SYSTEM

7L - 7867 BATTERY GP (contd.)

i01959661



GRAPHIC #1

<END>

g00917444

ELECTRICAL AND STARTING SYSTEM

7L-7871 BATTERY GP

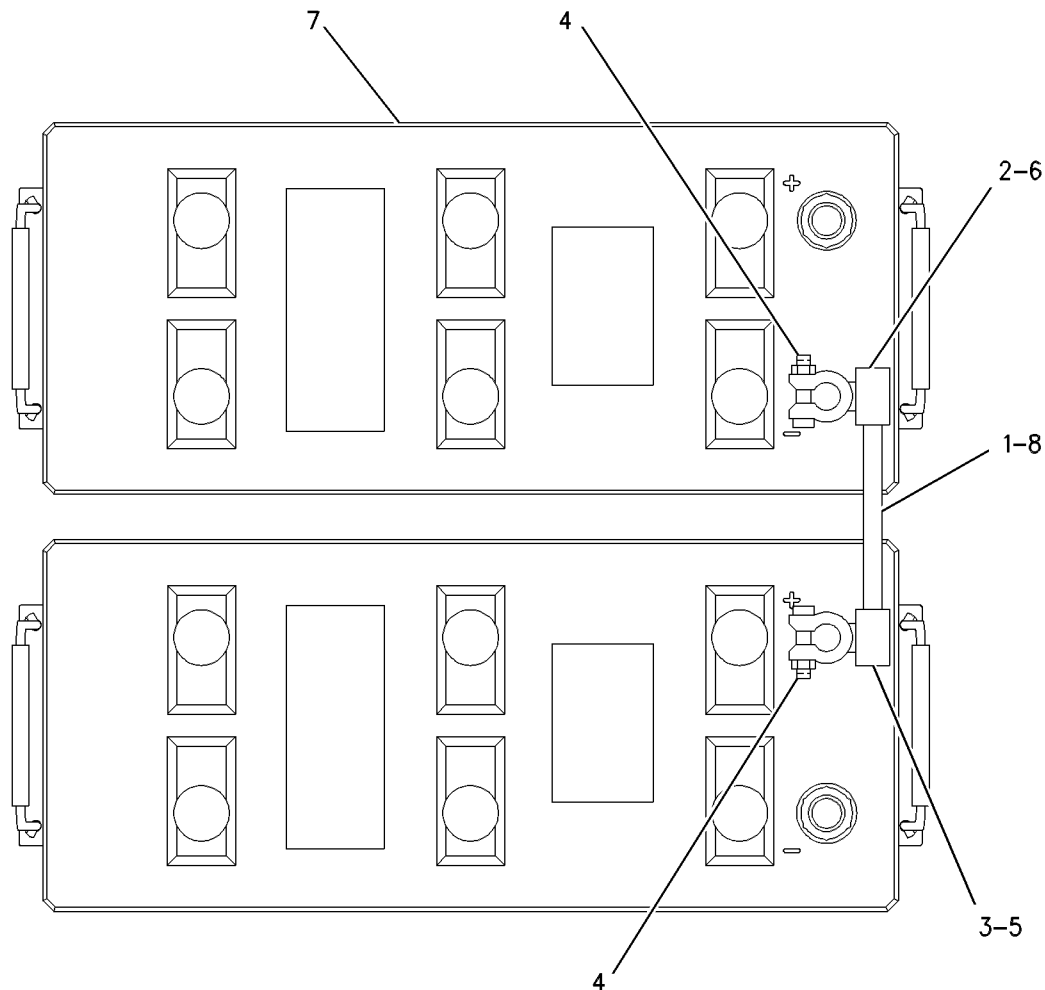
24-VOLT, 1000-COLD CRANKING AMPERE, 140-AMPERE HOUR
AN ATTACHMENT

SMCS-1401

i02246848

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2V-7397	1	CABLE AS						
E		1	5P-0747		CABLE (00-GA, BLACK) (20-CM)						
	2	1	8T-9757	1	TERMINAL AS-BATTERY (NEGATIVE)						
	3	1	8C-5917	1	TERMINAL AS-BATTERY (POSITIVE)						
	4	1	1M-6119	2	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	2	NUT (5/16-18-THD)						
	5	1	9G-0004	1	COVER-TERMINAL (RED)						
	6	1	9G-0003	1	COVER-TERMINAL (BLACK)						
C	7	1	9X-9720	2	BATTERY (12-VOLT)						
					(EACH INCLUDES)						
		1	7N-0060	6	VENT AS (BATTERY)						
	8	1	8L-8413	2	STRAP-CABLE						

C- CHANGE FROM PREVIOUS TYPE
E- ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00621897

ELECTRICAL AND STARTING SYSTEM

115-2421 BATTERY GP—MAINTENANCE FREE, DRY

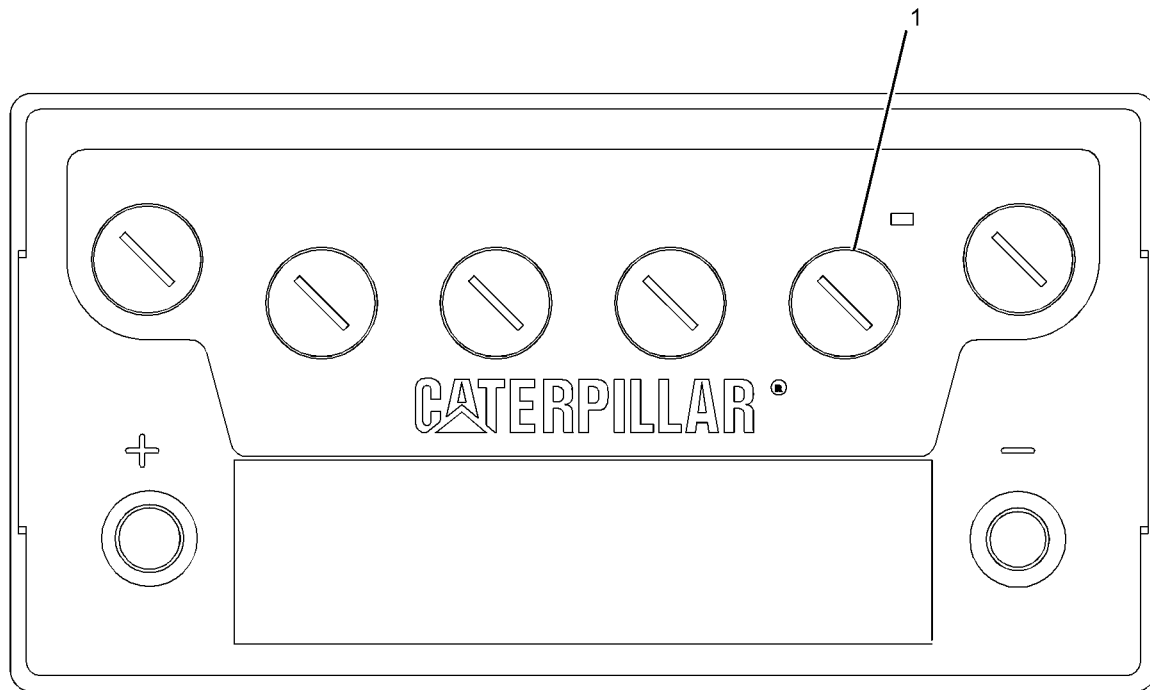
12-VOLT

**PART OF 160-5447 BATTERY GP
FOR USE WITH BATTERY SUPPORT
AN ATTACHMENT**

SMCS-1401

i03021874

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	123-1373	6	CAP AS-FILLER (BATTERY)						



TOP VIEW

GRAPHIC #1

<END>

g01200410

ELECTRICAL AND STARTING SYSTEM

160-5447 BATTERY GP

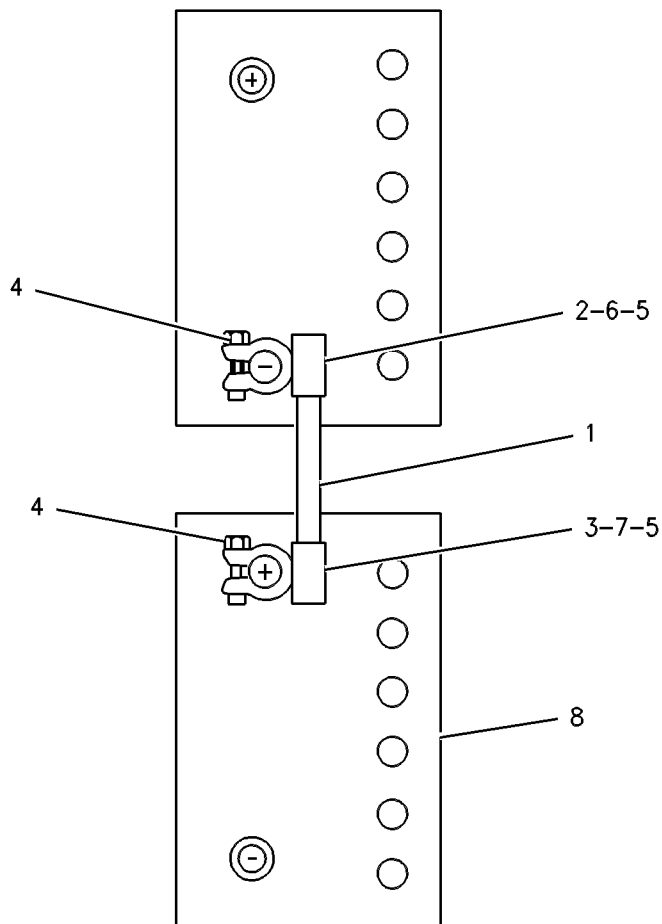
24-VOLT, 950 COLD CRANKING AMPERE, 90-AMPERE HOUR. LOW MAINTENANCE
AN ATTACHMENT

SMCS-1401

i02939467

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2V-7397	1	CABLE AS						
E		1	5P-0747		CABLE (00-GA, BLACK) (20-CM)						
	2	1	8T-9757	1	TERMINAL AS-BATTERY (NEGATIVE)						
	3	1	8C-5917	1	TERMINAL AS-BATTERY (POSITIVE)						
	4	1	1M-6119	2	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	2	NUT (5/16-18-THD)						
	5	1	8L-8413	4	STRAP-CABLE						
	6	1	9G-0003	2	COVER-TERMINAL (BLACK)						
	7	1	9G-0004	2	COVER-TERMINAL (RED)						
Y	8	1	115-2421	2	BATTERY GP (12-VOLT, MAINTENANCE FREE, DRY)						261
					(EACH INCLUDES)						
	1		123-1373	6	CAP AS-FILLER (BATTERY)						

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00436618

ELECTRICAL AND STARTING SYSTEM

4P-5469 BOX GP - JUNCTION PART OF 101-8636, 103-0699 WIRING GP-ENGINE AN ATTACHMENT

SMCS-7426

i03021949

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	2W-8603	4	MOUNT-FLEXIBLE	
	3	1	2N-2258	16	RIVET-POP	
	4	1	4F-8711	2	BUTTON-PLUG	
	5	1	3E-6477	2	RELAY AS (24-VOLT)	
	6	1	7T-6365	2	HOUSING-RECEPTACLE	
	7	1	2W-8803	1	FILM-IDENTIFICATION (TERMINAL MARKER)	
	8	1	2W-8602	2	STRIP-TERMINAL	
	9	1	2W-8684	1	FILM-IDENTIFICATION (TERMINAL MARKER)	
	10	1	4B-2047	12	NUT (10-24-THD)	
	11	1	2N-3480	1	SCREW-MACHINE (10-24X0.75-IN)	
	12	1	7W-2743	1	SWITCH AS-SPEED (ELECTRONIC) (OVERSPEED)	
	13	1	1L-6561	1	PLUG	
	14	1	5N-9222	1	MANIFOLD-PRESSURE	
	15	1	7L-0688	3	BOLT-SOCKET HEAD (10-24X1.2-IN)	
	16	1	6V-2673	1	CAP-PROTECTION	
	17	1	3J-1907	5	SEAL-O-RING	
	18	1	9S-4684	4	PLUG	
	19	1	4W-7957	1	PLATE GP-IDENTIFICATION (JUNCTION BOX)	
	20	1	4H-3001	2	PLUG-BUTTON	
	21	1	4W-3969	2	BRACKET-RETAINER	
	22	1	2N-3479	4	SCREW (10-24X0.5-IN)	
	23	1	5N-5159	2	JUMPER-STRIP	
	24	1	9M-2307	2	WASHER (5.2X19X2-MM THK)	
	25	1	6T-6651	1	SWITCH AS-PRESSURE (ENGINE OIL)	
		1	7N-7779	1	SOCKET-CONNECTOR (14-GA TO 18-GA)	
		1	7N-7780	2	PIN-CONNECTOR (14-GA TO 18-GA)	
		1	7N-7781	1	HOUSING-RECEPTACLE (14-GA TO 18-GA)	
	26	1	1S-9593	1	STRAP-CABLE	
	27	1	6T-3642	1	CIRCUIT BREAKER AS (10-AMPERE)	
		1	6V-8376	2	SCREW-MACHINE (8-32X0.25-IN)	
		1	9B-7233	2	LOCKWASHER	
	28	1	9X-8486	4	SCREW-MACHINE (8-32X0.75-IN)	
	29	1	4P-5539	1	HARNESS AS-BOX	
	30	1	3L-4566	1	PLUG-BUTTON	
	31	1	6K-9591	2	PLUG-BUTTON	
	32	1	2W-8798	1	SWITCH AS-PUSH BUTTON (EMERGENCY STOP)	
	33	1	2W-8799	2	BLOCK-CONTACT (2-POLE)	
	34	1	2W-8802	4	STRIP-SEAL	
	35	1	6I-0757	1	BOX AS-JUNCTION	
	36	1	5N-4988	3	DIODE AS	
					(EACH INCLUDES)	
		1	5P-1475	2	TERMINAL-BLADE (14-GA TO 16-GA, NO. 8 SCREW)	
BD		1	6V-1614		TUBE-HEAT SHRINK (9.52-MM DIA)	
	37	1	8M-3839	2	BUTTON-PLUG	
	38	1	6T-3644	1	CIRCUIT BREAKER AS (20-AMPERE)	
		1	6V-8376	2	SCREW-MACHINE (8-32X0.25-IN)	
		1	9B-7233	2	LOCKWASHER	
	39	1	2W-0394	1	CLAMP	
	40	1	8M-5312	2	SPACER (0.203X0.75X0.25-IN THK)	
	41	1	6I-0897	1	PLATE	
	42	1	030-9613	2	SCREW-FORMING (10-24X0.37-IN)	
	43	1	4B-4274	2	WASHER (5.5X13X1.2-MM THK)	
	44	1	3E-0105	2	MOUNT	
B	45	1	8L-8413	18	STRAP-CABLE	
	47	1	8L-8413	4	STRAP-CABLE	
	48	1	4P-7581	2	CLIP	

ELECTRICAL AND STARTING SYSTEM

4P-5469 BOX GP-JUNCTION (contd.)

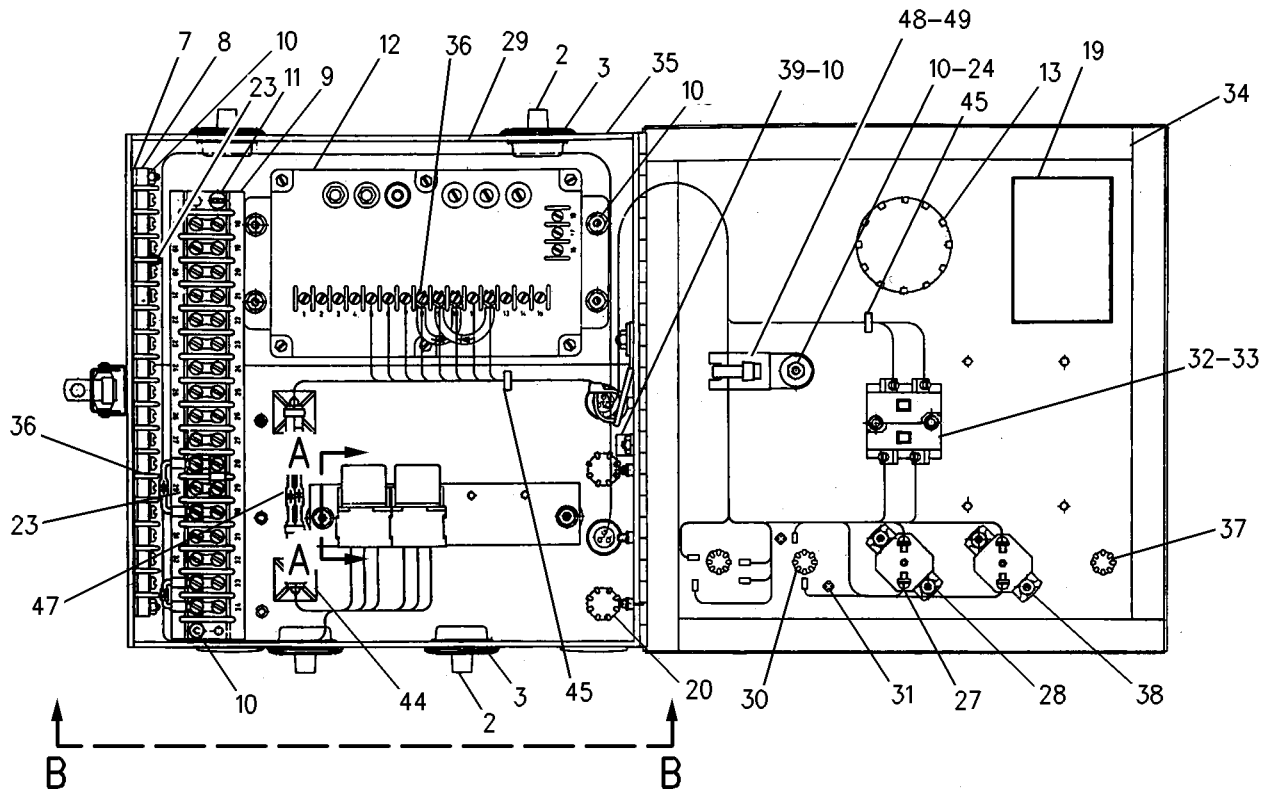
i03021949

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	49	1	9X-6772	2	STRAP - CABLE						
BF			106-9927	1	FILM-IDENTIFICATION (JUNCTION BOX WIRE)						
B-USE AS REQUIRED											
D-ORDER BY THE METER											
F-NOT SHOWN											

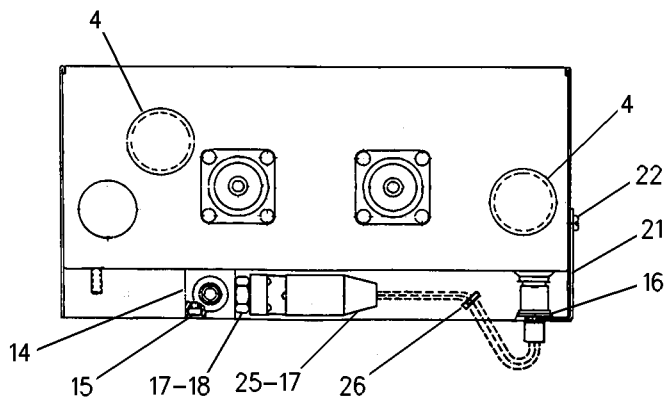
ELECTRICAL AND STARTING SYSTEM

4P-5469 BOX GP-JUNCTION (contd.)

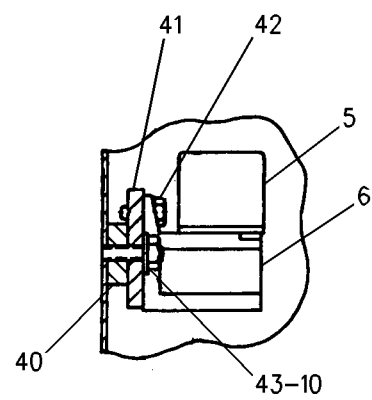
i03021949



FRONT VIEW
(DOOR OPEN)



VIEW B-B



SECTION A-A

GRAPHIC #1

<END>

g00918309

ELECTRICAL AND STARTING SYSTEM

105-3511 BOX GP - JUNCTION

PART OF 101-8636 WIRING GP-ENGINE

AN ATTACHMENT

SMCS-7426

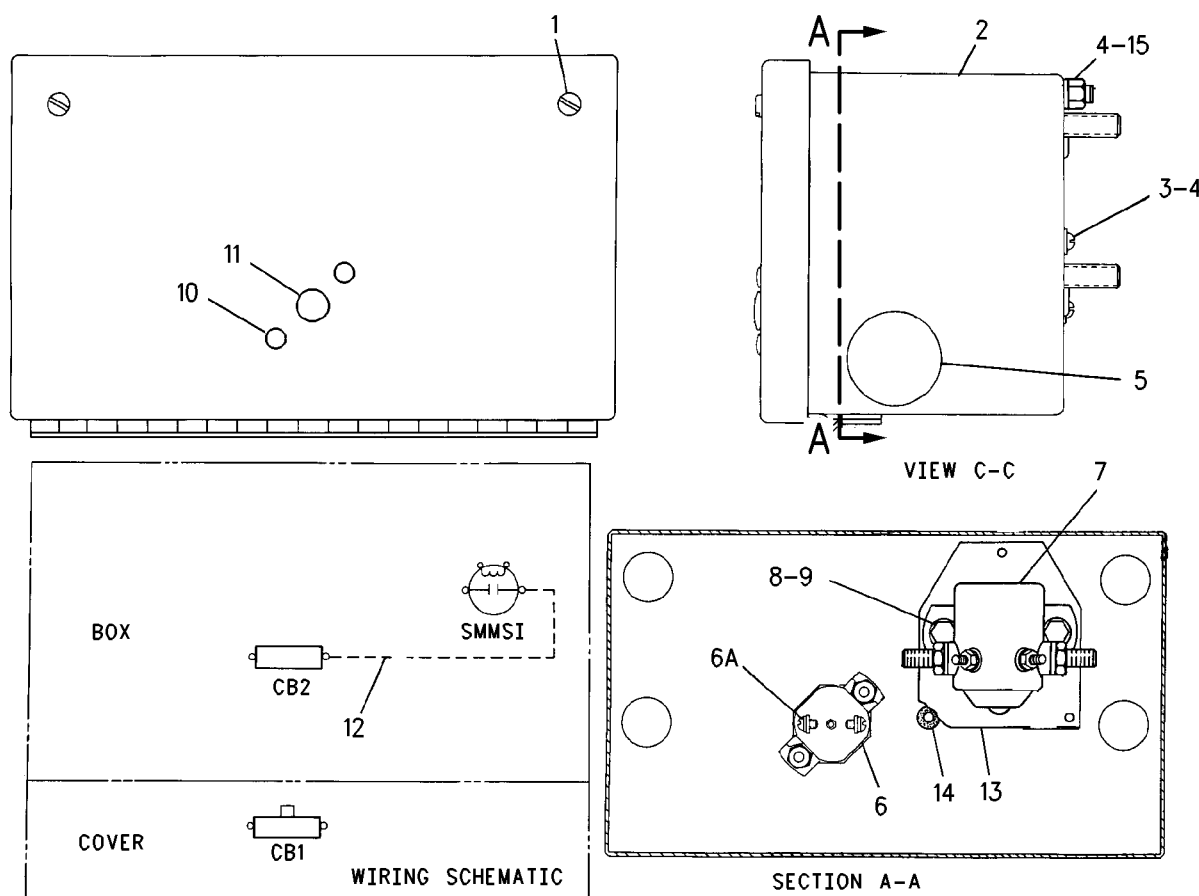
i01791142

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9M-5520	2	SCREW-TAPPING (10-24X0.5-IN)						
	2	1	9Y-7376	1	ENCLOSURE AS						
	3	1	3K-8106	2	SCREW-MACHINE (8-32X1-IN)						
	4	1	4B-4863	5	WASHER (4.7X11X1.2-MM THK)						
	5	1	4F-8711	1	BUTTON-PLUG						
	6	1	1N-9770	1	CIRCUIT BREAKER AS (12.5-AMPERE)						
	6A	1	6V-8376	2	SCREW-MACHINE (8-32X0.25-IN)						
		1	9B-7233	2	LOCKWASHER						
	7	1	9F-3099	1	SWITCH GP-MAGNETIC (24-VOLT) (STARTING MOTOR)						
		1	6V-8186	2	NUT-FULL (5/16-24-THD)						
		1	3L-6789	2	LOCKWASHER						
		1	8F-0908	2	WASHER (0.318X0.562X0.035-IN THK)						
		1	4B-2043	2	NUT (8-32-THD)						
		1	3B-4501	2	LOCKWASHER						
	8	1	5P-0537	2	WASHER-HARD (7.2X14.5X2-MM THK)						
	9	1	0S-1614	2	BOLT (1/4-20X0.5-IN)						
	10	1	6K-9591	2	PLUG-BUTTON						
	11	1	3L-4566	1	PLUG-BUTTON						
	12	1	2W-8938	1	WIRE AS						
	13	1	9Y-7377	1	PLATE						
	14	1	4W-3595	3	MOUNT						
	15	1	4B-2043	3	NUT (8-32-THD)						
	F	1	6I-0921	1	FITTING-CABLE (1-IN)						
F - NOT SHOWN											

ELECTRICAL AND STARTING SYSTEM

105-3511 BOX GP - JUNCTION (contd.)

i01791142



GRAPHIC #1

<END>

g00739875

ELECTRICAL AND STARTING SYSTEM

7W-0825 CABLE GP-BATTERY

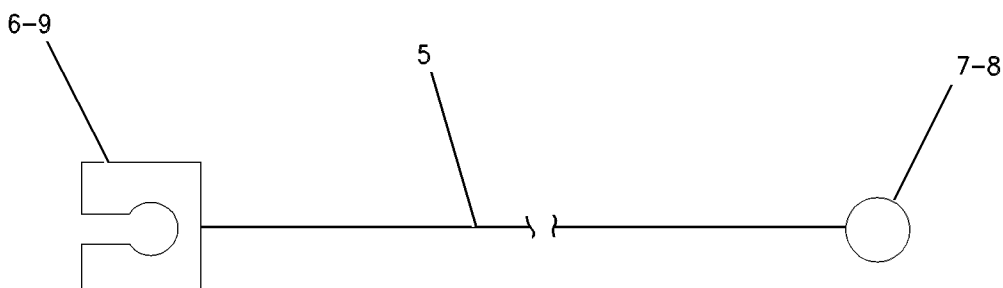
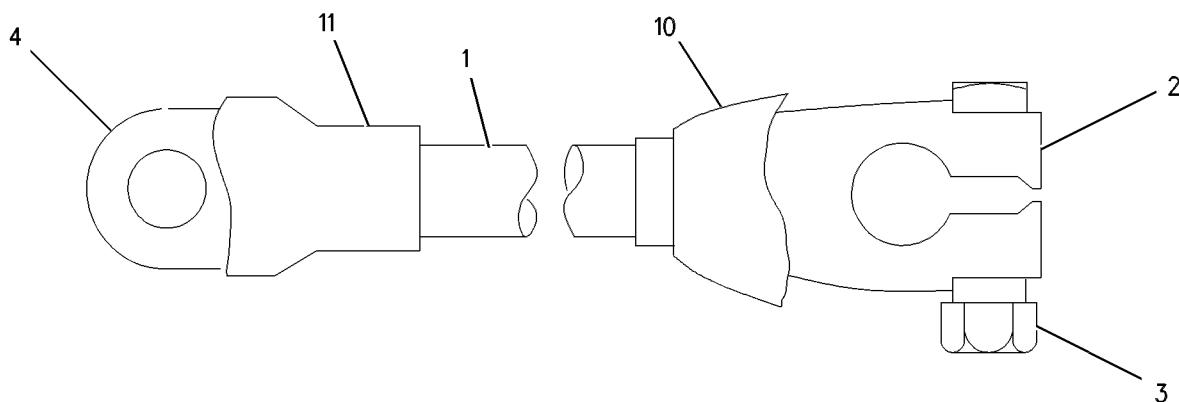
PROVIDES A POSITIVE AND A NEGATIVE CABLE ASSEMBLY
AN ATTACHMENT

SMCS-1402

i02118505

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3K-1715	1	CABLE AS (BATTERY)						
	2	1	3S-6050	1	TERMINAL AS-BATTERY (NEGATIVE)						
	3	1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	4	1	1S-7251	1	TERMINAL-CABLE (00-GA, 1/2-IN BOLT)						
	5	1	3V-6785	1	CABLE AS (BATTERY)						
E		1	5P-0761		CABLE (00-GA, RED) (188-CM)						
	6	1	3S-6049	1	TERMINAL AS-BATTERY (POSITIVE)						
		1	1M-6119	1	BOLT (5/16-18X1.375-IN)						
		1	1M-6120	1	NUT (5/16-18-THD)						
	7	1	1S-7251	1	TERMINAL-CABLE (00-GA, 1/2-IN BOLT)						
	8	1	7N-5274	1	COVER-TERMINAL (BLACK) (BATTERY)						
	9	1	8N-0869	1	COVER-TERMINAL (RED) (RING)						
	10	1	8N-1725	1	COVER-TERMINAL (RED) (BATTERY)						
	11	1	9G-8909	1	COVER-TERMINAL (BLACK) (RING)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00623828

ELECTRICAL AND STARTING SYSTEM

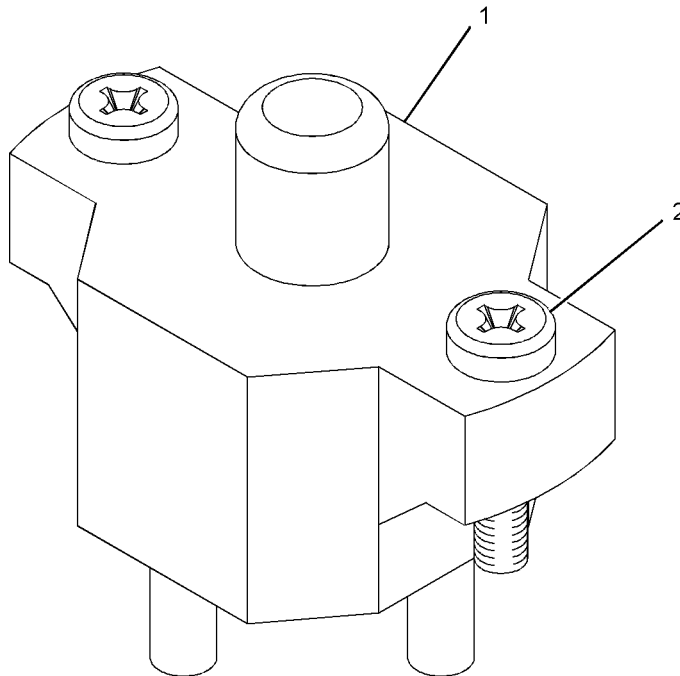
5N-0369 CIRCUIT BREAKER GP

FOR USE WITH 6N-9294 ALTERNATOR GP-CHARGING, 6N-2926 MOUNTING GP-ALTERNATOR,
8M-7892 GAUGE AS-AMMETER
AN ATTACHMENT

SMCS-1420, 4461

i02089563

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	6T-3645	1	CIRCUIT BREAKER GP (60-AMPERE)	270
	2	1	7S-4338	2	SCREW-MACHINE (8-32X0.75-IN)	
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g01075297

ELECTRICAL AND STARTING SYSTEM

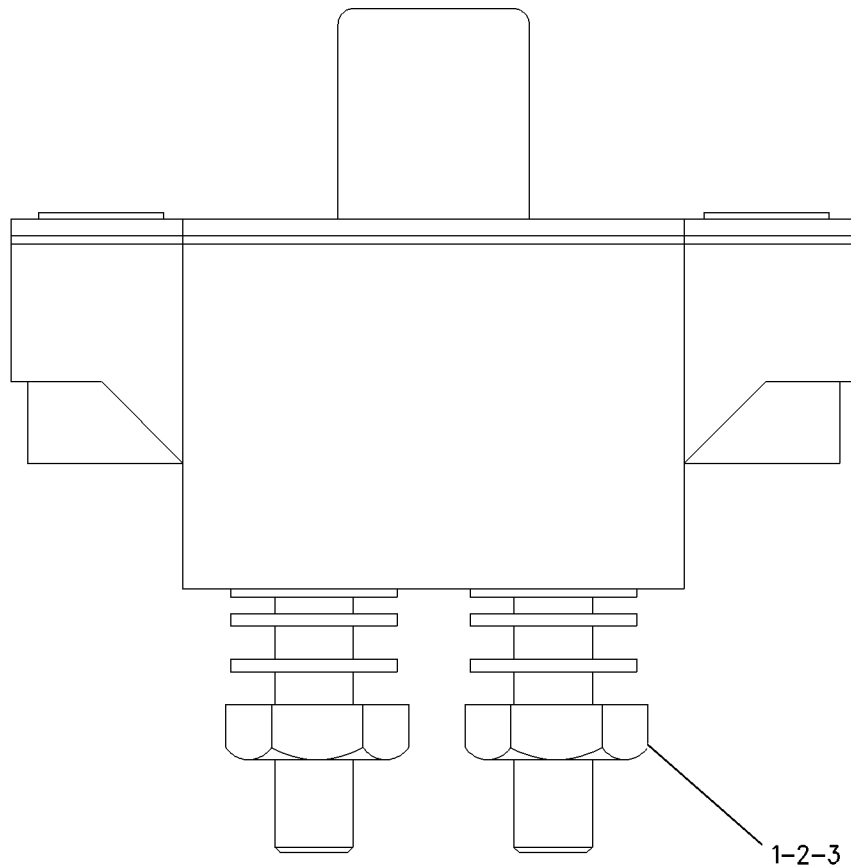
6T-3645 CIRCUIT BREAKER GP-60-AMPERE

PART OF 5N-0369 CIRCUIT BREAKER GP
AN ATTACHMENT

SMCS-1420, 4461

i02519980

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-8378	2	NUT (10-32-THD)						
	2	1	8F-1434	2	LOCKWASHER						
	3	1	8T-0328	2	WASHER-HARD (5.5X10X1-MM THK)						



GRAPHIC #1

<END>

g00890488

ELECTRICAL AND STARTING SYSTEM

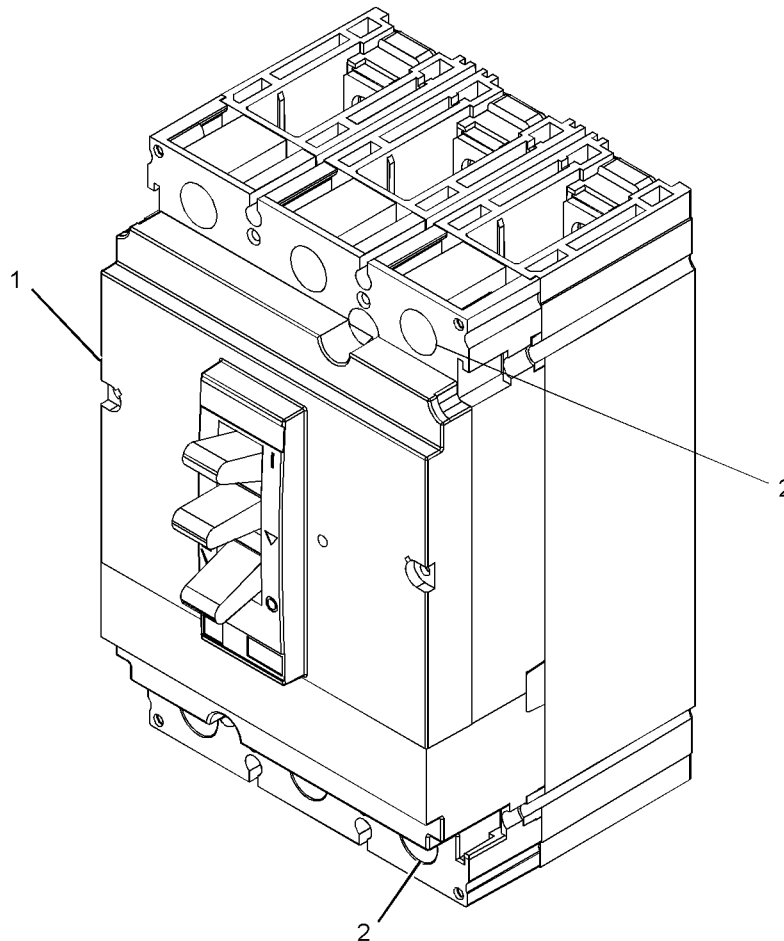
275-7792 CIRCUIT BREAKER GP

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1420, 4461

i02565225

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	275-8389	1	SHUNT-TRIP						
	2	1	275-8415	2	KIT-TERMINAL (CIRCUIT BREAKER)						
(EACH INCLUDES 3 LUGS)											



GRAPHIC #1

<END>

g01339717

ELECTRICAL AND STARTING SYSTEM

4P-9680 CONNECTION GP-ELECTRICAL

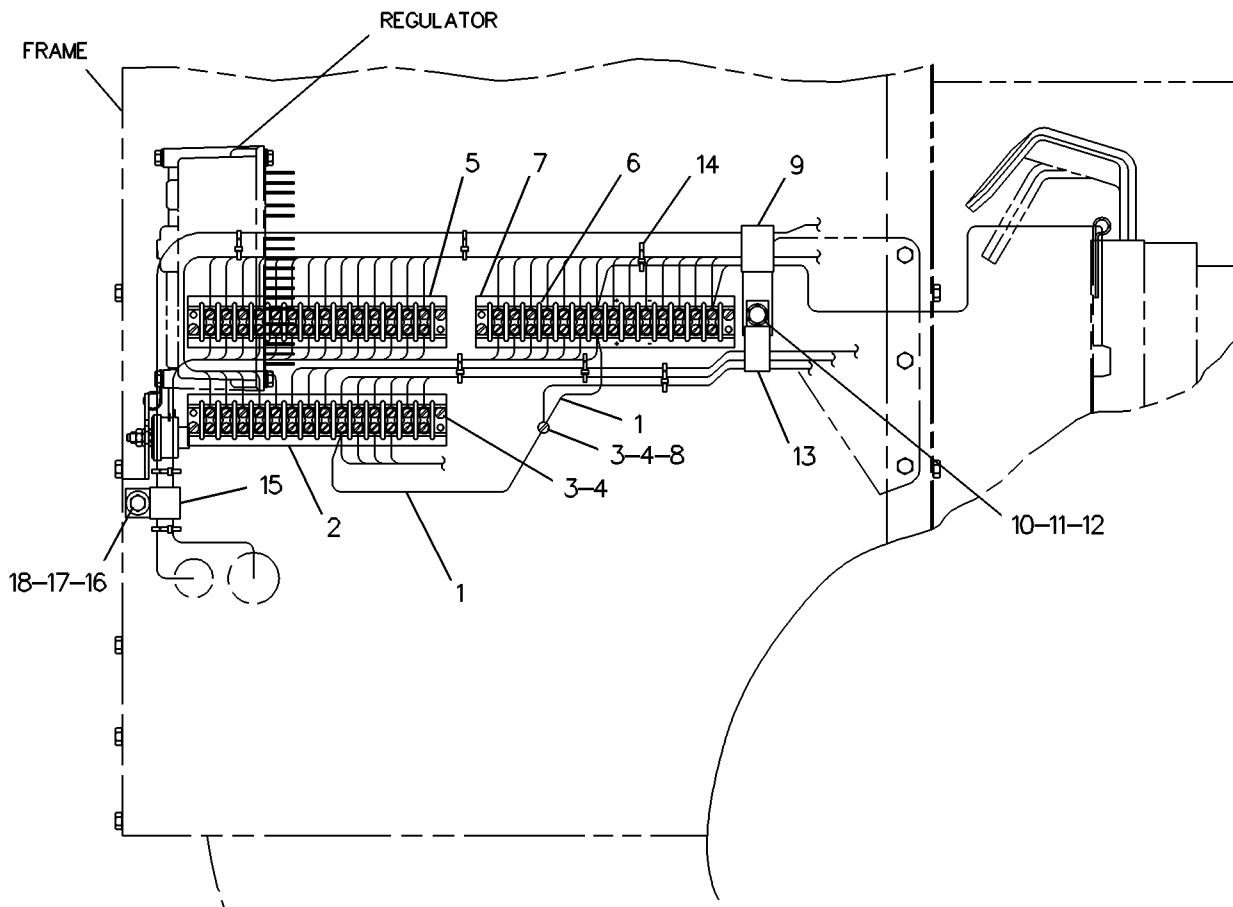
AN ATTACHMENT

SMCS-1408

i01534540

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-0922	2	WIRE AS-STRAP						
	2	1	4P-5424	1	MARKER						
	3	1	2N-3480	7	SCREW-MACHINE (10-24X0.75-IN)						
	4	1	4B-2047	7	NUT (10-24-THD)						
	5	1	4P-5422	1	MARKER						
	6	1	4D-1260	3	STRIP AS-TERMINAL						
	7	1	4P-5423	1	MARKER						
	8	1	9F-8125	1	LOCKWASHER						
	9	1	5N-2840	1	CLIP						
	10	1	5M-3062	1	BOLT (3/8-16X0.75-IN)						
	11	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	12	1	6V-8801	1	NUT (3/8-16-THD)						
	13	1	4S-4455	1	CLIP						
B	14	1	8L-8413	20	STRAP-CABLE						
	15	1	3S-8664	1	CLIP						
	16	1	8T-0023	1	BOLT-HEAD LOCKING (5/16-18X1-IN)						
	17	1	8T-4224	1	WASHER-HARD (8.8X16X2-MM THK)						
	18	1	6V-8189	1	NUT (5/16-18-THD)						

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00224994

ELECTRICAL AND STARTING SYSTEM

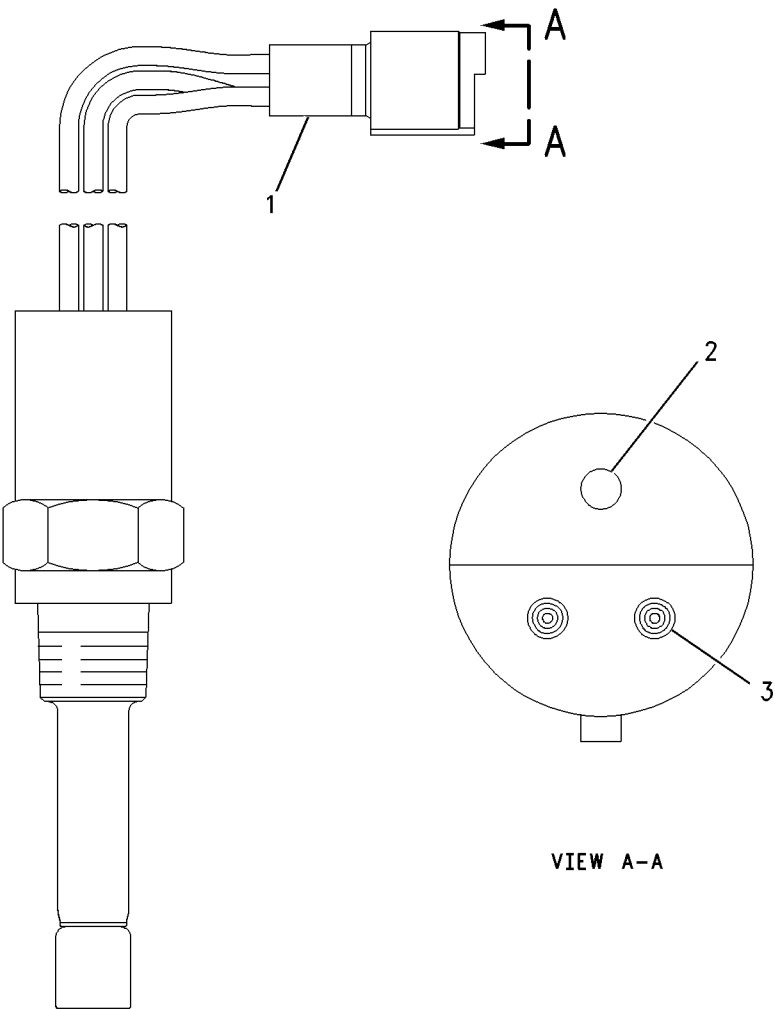
5N-8857 CONTACTOR AS-WATER TEMP

PART OF 3N-6867 CONTACTOR GP-PRESS & TEMP, 6I-3975 SHUTOFF GP-ELECTRICAL
AN ATTACHMENT

SMCS-7400

i01407286

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7N-7781	1	HOUSING-RECEPTACLE	
	2	1	7N-7779	1	SOCKET-CONNECTOR	
	3	1	7N-7780	2	PIN-CONNECTOR	



GRAPHIC #1

<END>

g00740706

ELECTRICAL AND STARTING SYSTEM

7L - 7367 CONTACTOR GP - OVERSPEED

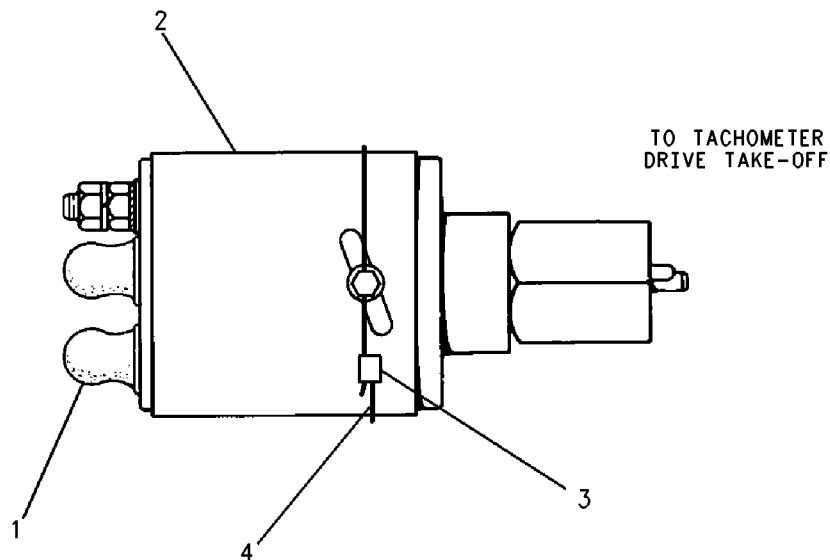
FOR USE WITH ENGINES RATED 1600-2950 RPM EQUIPPED WITH TACHOMETER DRIVE
AN ATTACHMENT

SMCS-7410

i01791143

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1H-4560	2	FITTING						
C	2	1	3N-4026	1	CONTACTOR (OVERSPEED)						
		1	5M-1822	3	WASHER (9.9X19X1MM THK)						
	3	1	5H-9942	1	SEAL						
D	4	1	5P-6025		LOCKWIRE (.305M)						

C- CHANGE FROM PREVIOUS TYPE
D- ORDER BY THE METER



GRAPHIC #1

<END>

g00917562

ELECTRICAL AND STARTING SYSTEM

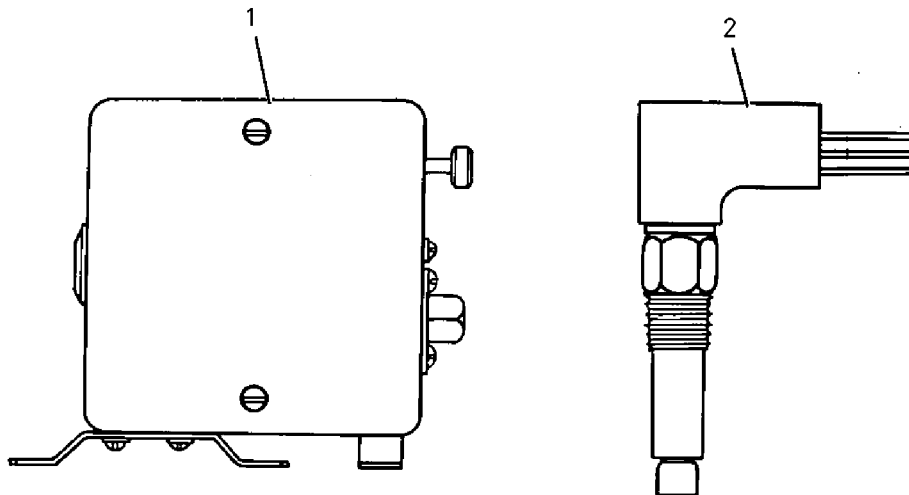
3N-6867 CONTACTOR GP-PRESS & TEMP

OIL PRESS & WATER TEMPERATURE
PART OF 3N-8423 CONTACTOR GP-PRESS & TEMP
AN ATTACHMENT

SMCS-7400

i01948602

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	2N-6955	1	SWITCH (OIL PRESSURE)	
Y	2	1	5N-8857	1	CONTACTOR AS-WATER TEMP	273
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00917693

ELECTRICAL AND STARTING SYSTEM

3N-8423 CONTACTOR GP-PRESS & TEMP

PART OF 105-9623, 105-9625 SHUTOFF GP-ELECTRICAL
AN ATTACHMENT

SMCS-7400

i00905041

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	3N-6867	1	CONTACTOR GP-PRESS & TEMP	275
	3N-8121	1	DIAGRAM-WIRING	
Y	3N-8806	1	MOUNTING GP-CONTACTOR	321
Y-SEPARATE ILLUSTRATION				

<END>

ELECTRICAL AND STARTING SYSTEM

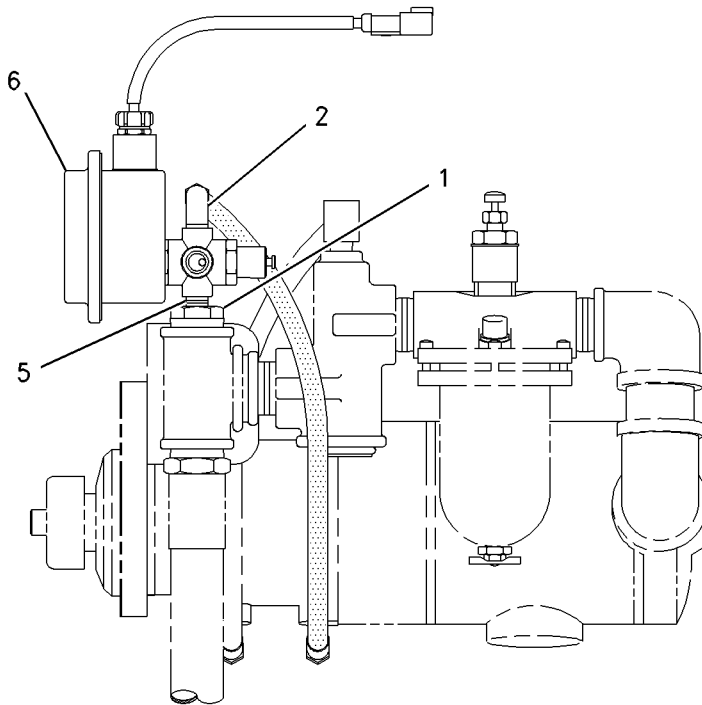
132 - 6898 CONTROL GP - AIR STARTING

AN ATTACHMENT

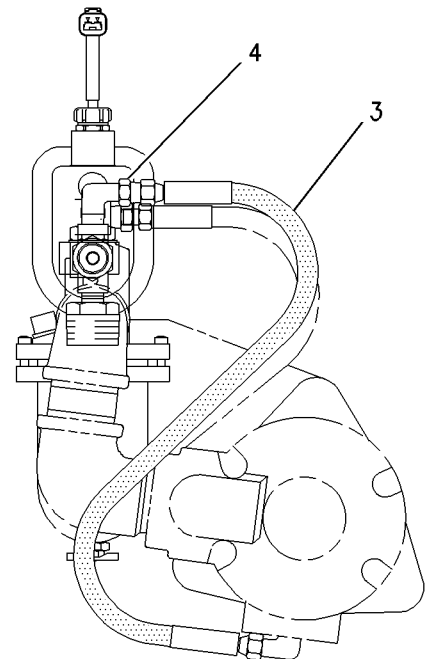
SMCS - 1462

i02895317

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3B-7724	1	BUSHING-REDUCER						
	2	1	3D-8884	1	ELBOW						
I	3	1	3N-4411	1	HOSE AS						
	4	1	4M-5317	1	BUSHING-REDUCING						
	5	1	008-0728	1	FITTING (CLOSE)						
Y	6	1	130-5177	1	VALVE GP-SOLENOID (AIR STARTING)						375
I-REFER TO HYDRAULIC INFORMATION SYSTEM											
Y-SEPARATE ILLUSTRATION											



LEFT SIDE VIEW



REAR VIEW

GRAPHIC #1

<END>

g00888964

ELECTRICAL AND STARTING SYSTEM

4W-8005 CONTROL GP-AUTO START/STOP

PART OF 4P-4898 PANEL AR-CONTROL

AN ATTACHMENT

SMCS-1426, 4462

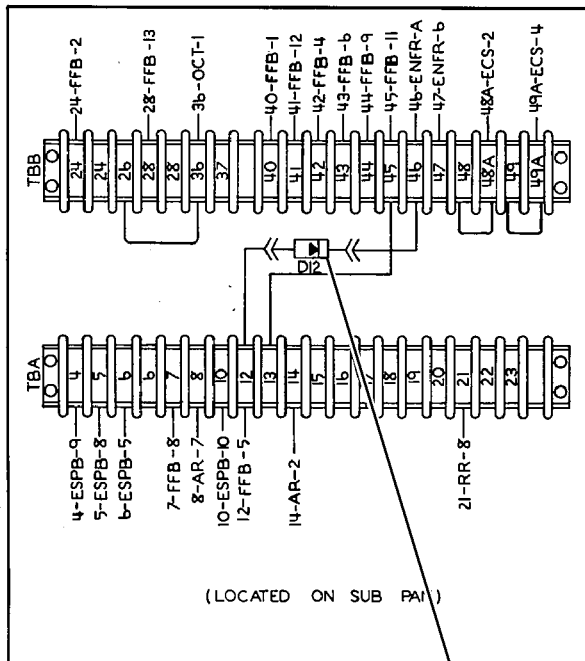
i02868543

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4W-8735	1	SWITCH-STOP (EMERGENCY)	
	2	1	3N-5976	1	SWITCH (ENGINE CONTROL)	
	3	1	4W-8744	2	TRACK-MOUNTING	
	4	1	3N-5978	2	TIMER AS-ON DELAY	
	5	1	3N-5714	1	RELAY AS (24-VOLT) (RUN)	
	5A	1	3N-5714	1	RELAY AS (24-VOLT) (ARMING)	
	5B	1	3N-5714	1	RELAY AS (24-VOLT) (ENGINE FAILURE)	
	6	1	4W-8743	3	SOCKET-RELAY	
	7	1	4W-8734	1	BOARD AS-FAULT	
	8	1	4W-8748	1	BRACKET-AUTO CONTROL	
	9	1	4W-8747	1	PLATE-AUTO CONTROL	
	10	1	2W-8683	1	BLOCK-CONTACT	
	11	1	2W-4899	3	DIODE AS	

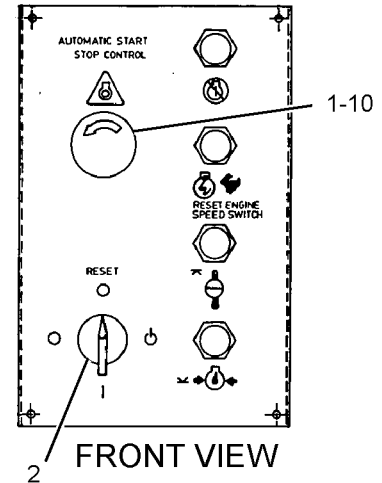
ELECTRICAL AND STARTING SYSTEM

4W-8005 CONTROL GP-AUTO START/STOP (contd.)

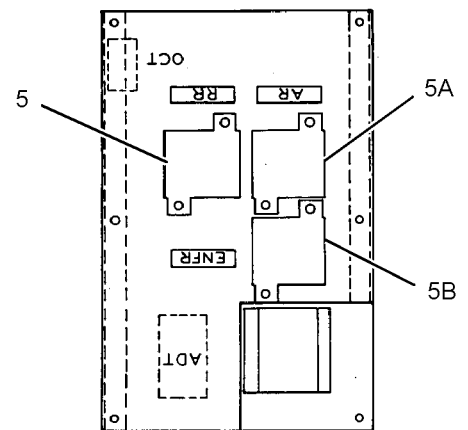
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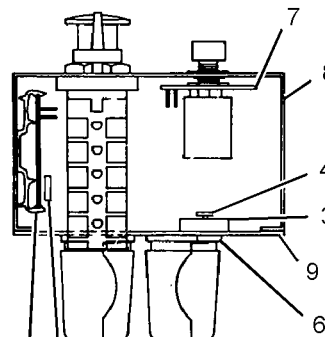
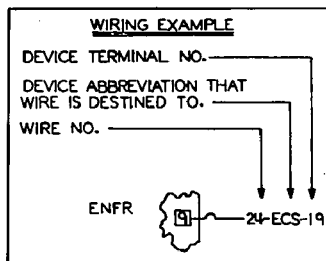
(LOCATED ON SUB PAI)



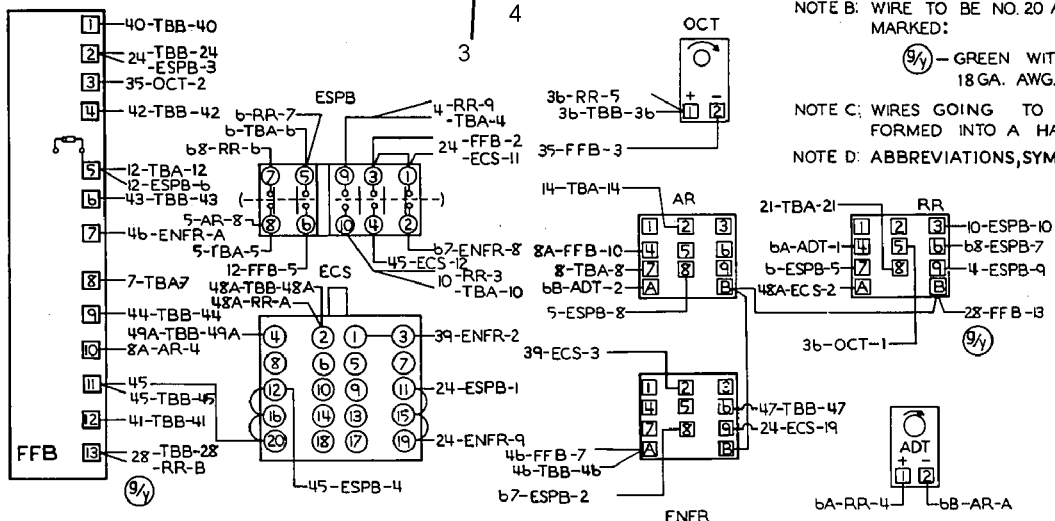
FRONT VIEW



BACK VIEW



END VIEW



NOTE B: WIRE TO BE NO.20 AWG EXCEPT WHERE MARKED:

⑨y - GREEN WITH YELLOW STRIPE
18 GA. AWG. (GROUND)

NOTE C: WIRES GOING TO T.B. SHOULD BE FORMED INTO A HARNESS

NOTE D: ABBREVIATIONS, SYMBOLS, AND SCHEMATICS

GRAPHIC #1

<END>

g01035521

ELECTRICAL AND STARTING SYSTEM

7W-8942 CONTROL GP-AUTO START/STOP

4 LIGHT 24VDC

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1426, 4462

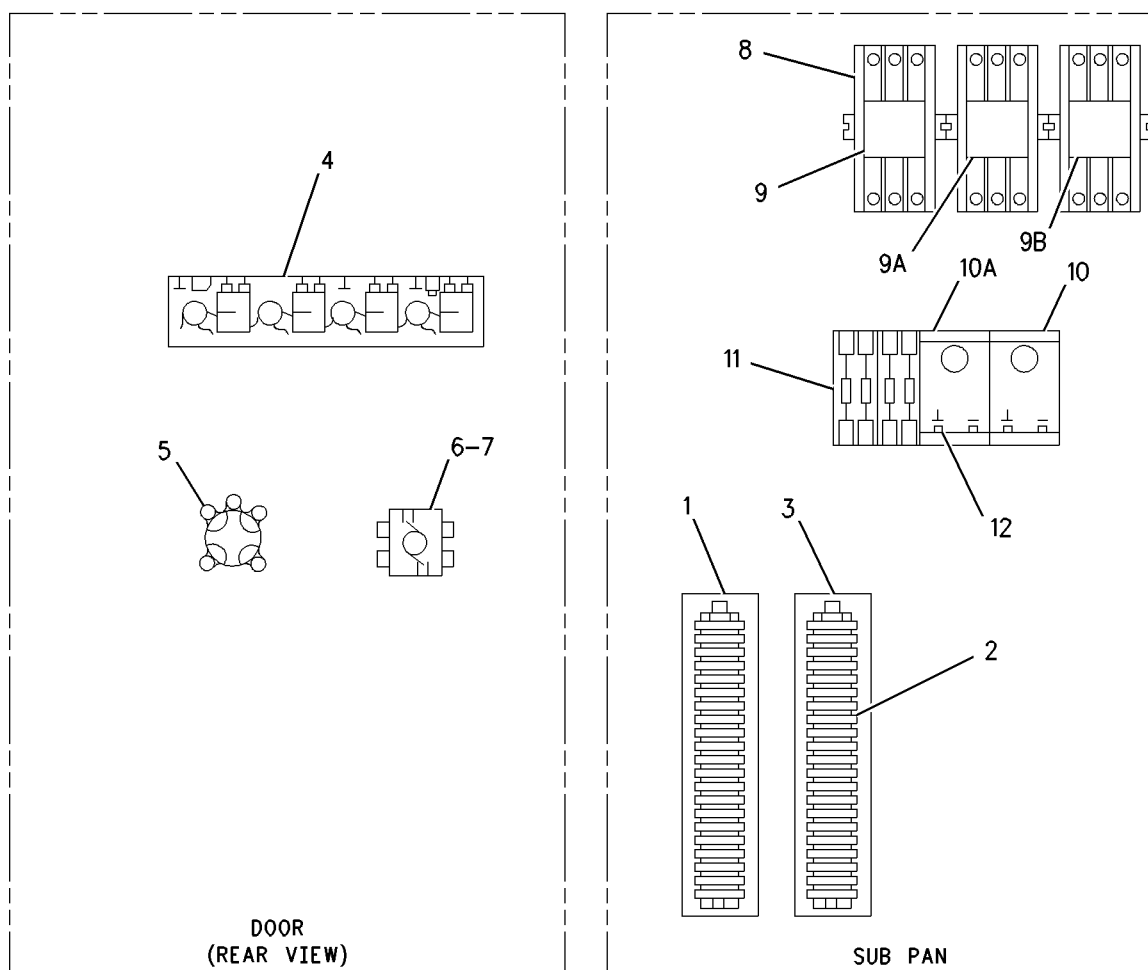
i03021864

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8226	1	MARKER						
	2	1	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3	1	4W-8227	1	MARKER						
	4	1	4W-8734	1	BOARD AS-FAULT (24 VOLT)						
		1	3N-5719	4	LAMP (24-VOLT) (CLEAR)						
		1	4W-8745	4	HOUSING AS-LAMP						
		1	4W-8746	4	LENS-LAMP (RED)						
	5	1	3N-5976	1	SWITCH (ENGINE CONTROL)						
	6	1	4W-8735	1	SWITCH-STOP (EMERGENCY)						
	7	1	2W-8683	1	BLOCK-CONTACT						
	8	1	4W-8787	3	SOCKET-RELAY						
	9	1	3N-5714	1	RELAY AS (24-VOLT) (RUN)						
	9A	1	3N-5714	1	RELAY AS (24-VOLT) (ARMING)						
	9B	1	3N-5714	1	RELAY AS (24-VOLT) (ENGINE FAILURE)						
	10	1	3N-5978	1	TIMER AS-ON DELAY (ARMING)						
	10A	1	3N-5978	1	TIMER AS-ON DELAY (OVER CRANK)						
	11	1	5N-5502	2	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (16-CM)						
E-ORDER BY THE CENTIMETER											

ELECTRICAL AND STARTING SYSTEM

7W-8942 CONTROL GP -AUTO START / STOP (contd.)

i03021864



GRAPHIC #1

<END>

g00902189

ELECTRICAL AND STARTING SYSTEM

7W-8943 CONTROL GP-AUTO START/STOP

4 LIGHT 32VDC

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1426, 4462

i03021865

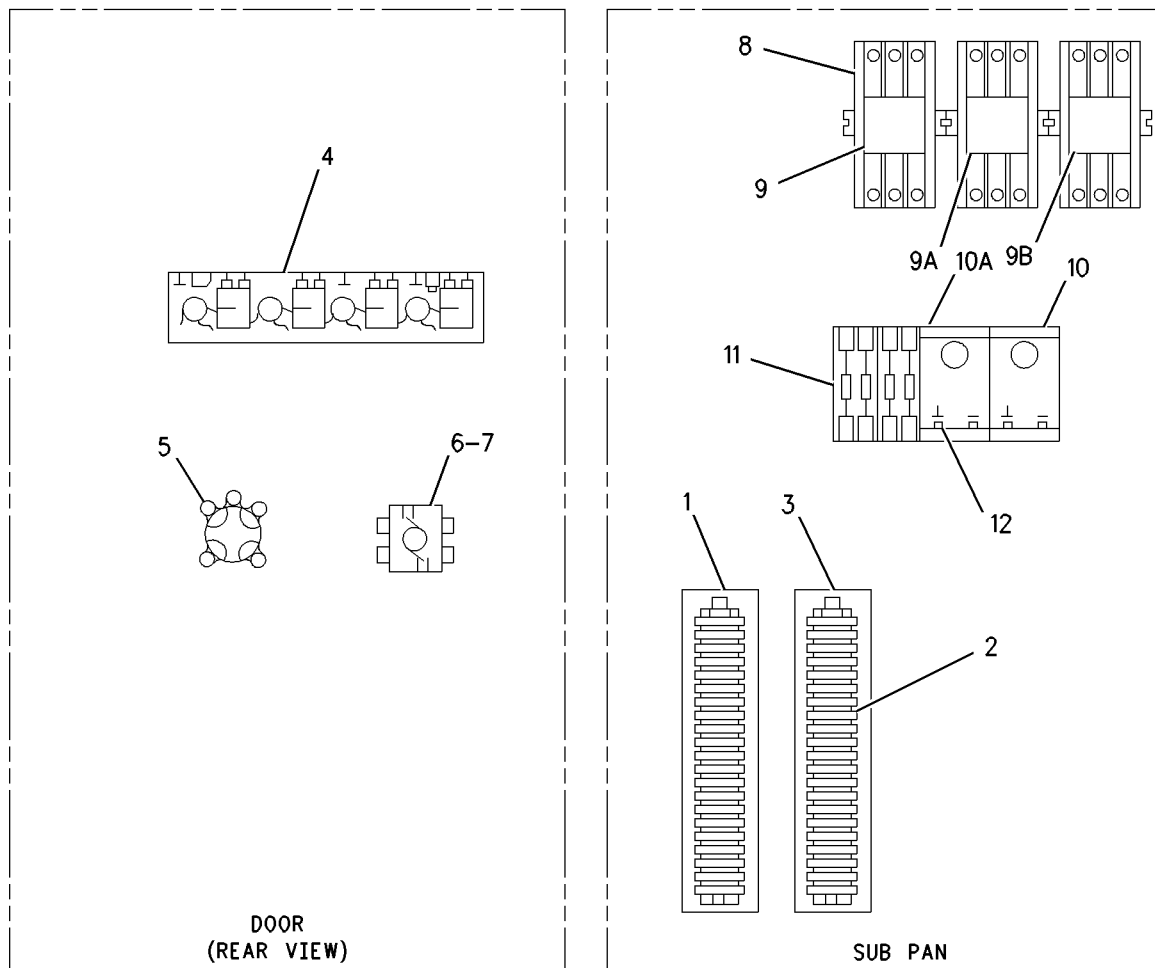
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8226	1	MARKER						
	2	1	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3	1	4W-8227	1	MARKER						
	4	1	7W-3403	1	BOARD AS-FAULT (32 VOLT)						
		1	3N-5719	4	LAMP (24-VOLT) (CLEAR)						
		1	4W-8745	4	HOUSING AS-LAMP						
		1	4W-8746	4	LENS-LAMP (RED)						
	5	1	3N-5976	1	SWITCH (4 POSITION) (ENGINE CONTROL)						
	6	1	4W-8735	1	SWITCH-STOP (EMERGENCY)						
	7	1	2W-8683	1	BLOCK-CONTACT						
	8	1	4W-8787	3	SOCKET-RELAY						
	9	1	5N-5498	1	RELAY (32-VOLT DC) (RUN)						
	9A	1	5N-5498	1	RELAY (32-VOLT DC) (ARMING)						
	9B	1	5N-5498	1	RELAY (32-VOLT DC) (ENGINE FAILURE)						
	10	1	3N-5978	1	TIMER AS-ON DELAY (ARMING)						
	10A	1	3N-5978	1	TIMER AS-ON DELAY (OVER CRANK)						
	11	1	5N-5502	2	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (16-CM)						

E-ORDER BY THE CENTIMETER

ELECTRICAL AND STARTING SYSTEM

7W-8943 CONTROL GP -AUTO START / STOP (contd.)

i03021865



GRAPHIC #1

<END>

g00902195

ELECTRICAL AND STARTING SYSTEM

4W-8004 CONTROL GP-MANUAL START/STOP

PART OF 4P-4898 PANEL AR-CONTROL

AN ATTACHMENT

SMCS-1426, 7418

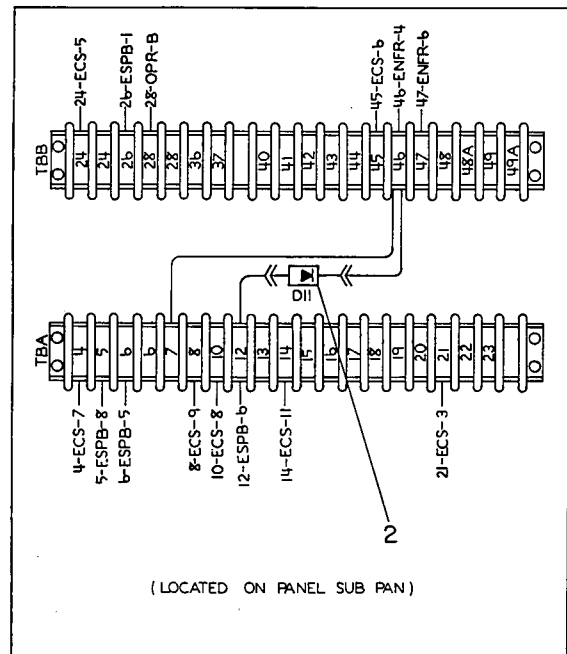
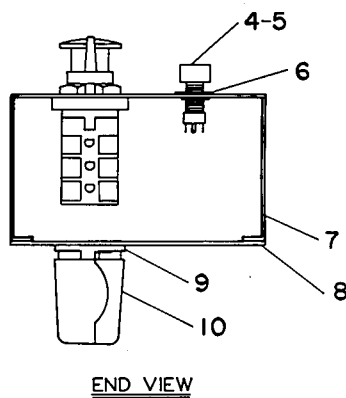
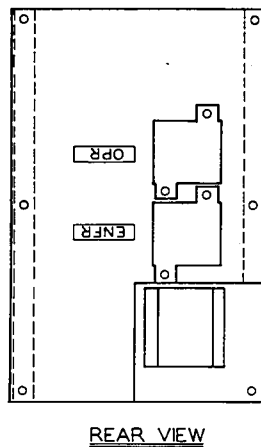
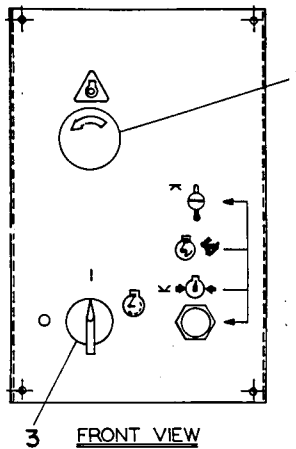
i02787182

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	4W-8735	1	SWITCH-STOP (EMERGENCY)	
	2	1	2W-4899	3	DIODE AS	
	3	1	7W-6967	1	SWITCH-ROTARY (ENGINE CONTROL)	
	4	1	4W-8746	1	LENS-LAMP (RED)	
	5	1	3N-5719	1	LAMP (24-VOLT) (CLEAR)	
	6	1	4W-8745	1	HOUSING AS-LAMP	
	7	1	4W-8740	1	BRACKET-CONTROL	
	8	1	4W-8741	1	PLATE-MANUAL CONTROL	
	9	1	4W-8743	2	SOCKET-RELAY	
	10	1	3N-5714	2	RELAY AS (24-VOLT) (OIL PRESSURE/ENGINE FAILURE)	

ELECTRICAL AND STARTING SYSTEM

4W-8004 CONTROL GP-MANUAL START/STOP (contd.)

i02787182

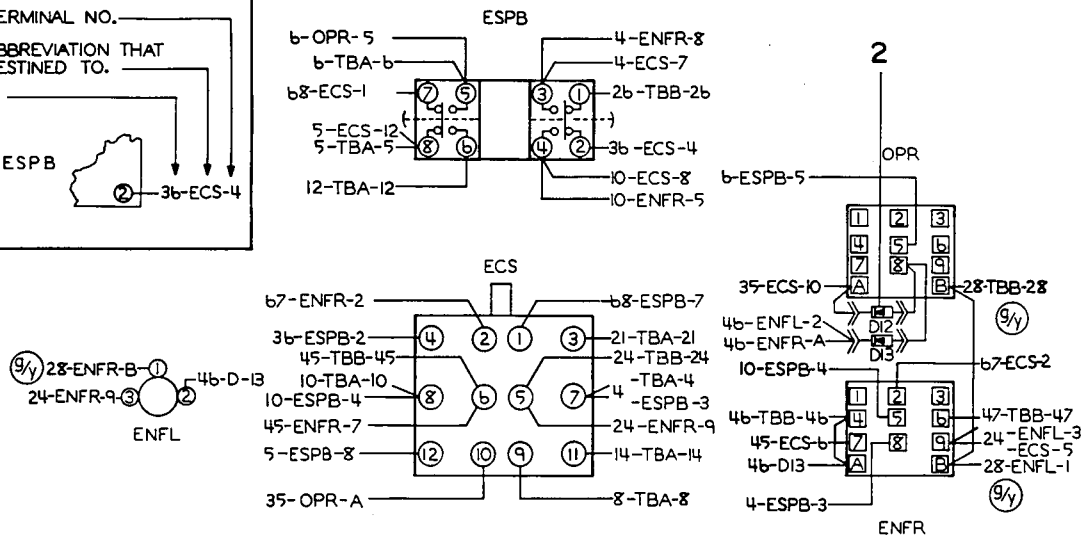
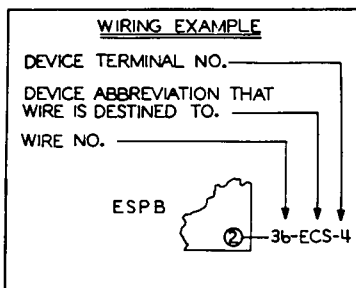


NOTE B: WIRE TO BE NO. 20 AWG EXCEPT WHERE MARKED:

⑨/γ — GREEN WITH YELLOW STRIPE
18 GA. AWG (GROUND)

NOTE C: WIRES GOING TO T.B. SHOULD BE FORMED INTO A HARNESS

NOTE D: ABBREVIATIONS, SYMBOLS, AND SCHEMATIC



GRAPHIC #1

<END>

g00209999

ELECTRICAL AND STARTING SYSTEM

7W-8944 CONTROL GP-MANUAL START/STOP

1 LIGHT 24VDC

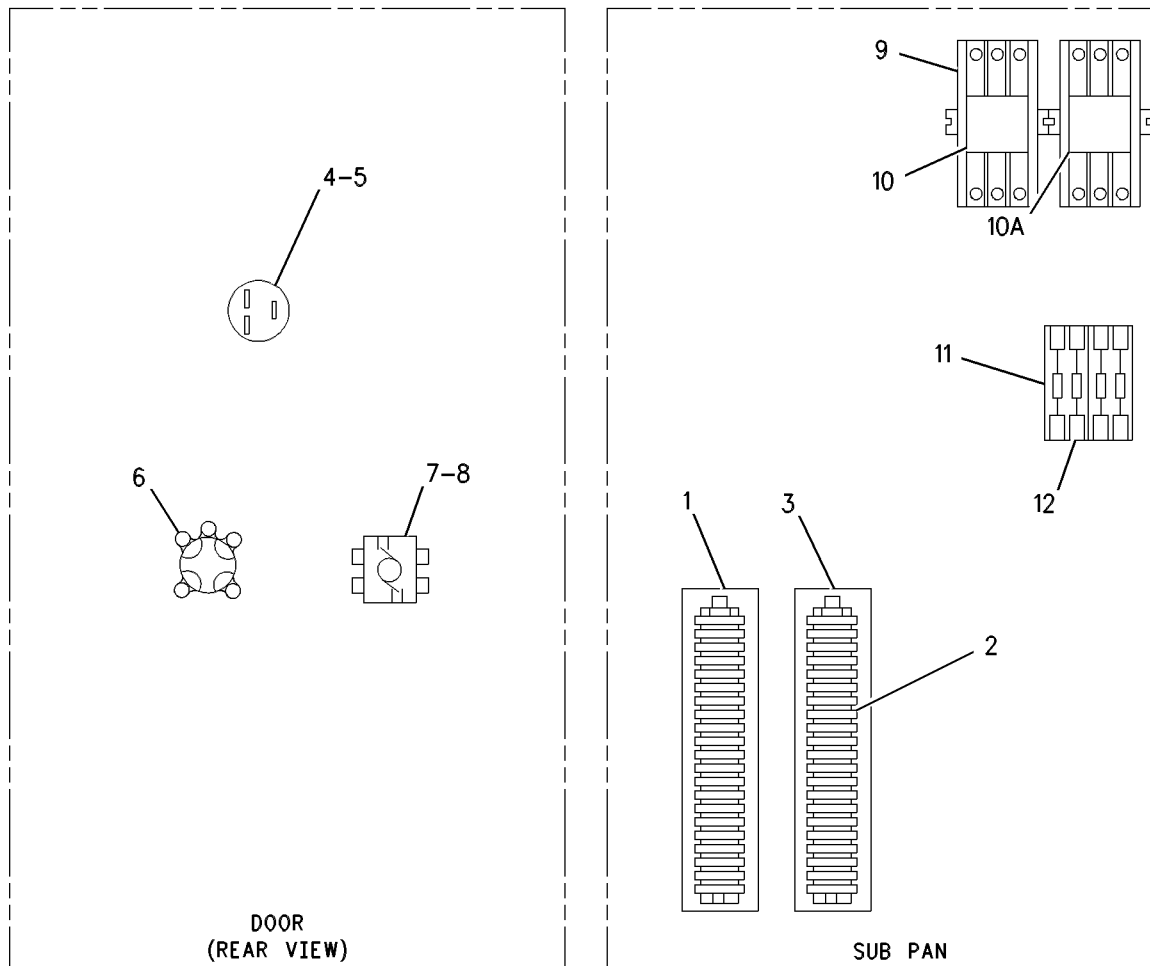
PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1426, 7418

i02787189

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8226	1	MARKER						
	2	1	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3	1	4W-8227	1	MARKER						
	4	1	5N-5499	1	LAMP AS (RED) (3 TERMINAL)						
	5	1	3N-5719	1	LAMP (24-VOLT) (CLEAR)						
	6	1	7W-6967	1	SWITCH-ROTARY (ENGINE CONTROL)						
	7	1	4W-8735	1	SWITCH-STOP (EMERGENCY)						
	8	1	2W-8683	1	BLOCK-CONTACT						
	9	1	4W-8787	2	SOCKET-RELAY						
	10	1	3N-5714	1	RELAY AS (24-VOLT) (ENGINE OIL PRESSURE)						
	10A	1	3N-5714	1	RELAY AS (24-VOLT) (ENGINE FAILURE)						
	11	1	5N-5502	2	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (6-CM)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00579021

ELECTRICAL AND STARTING SYSTEM

7W-8945 CONTROL GP-MANUAL START/STOP

1 LIGHT 32VDC

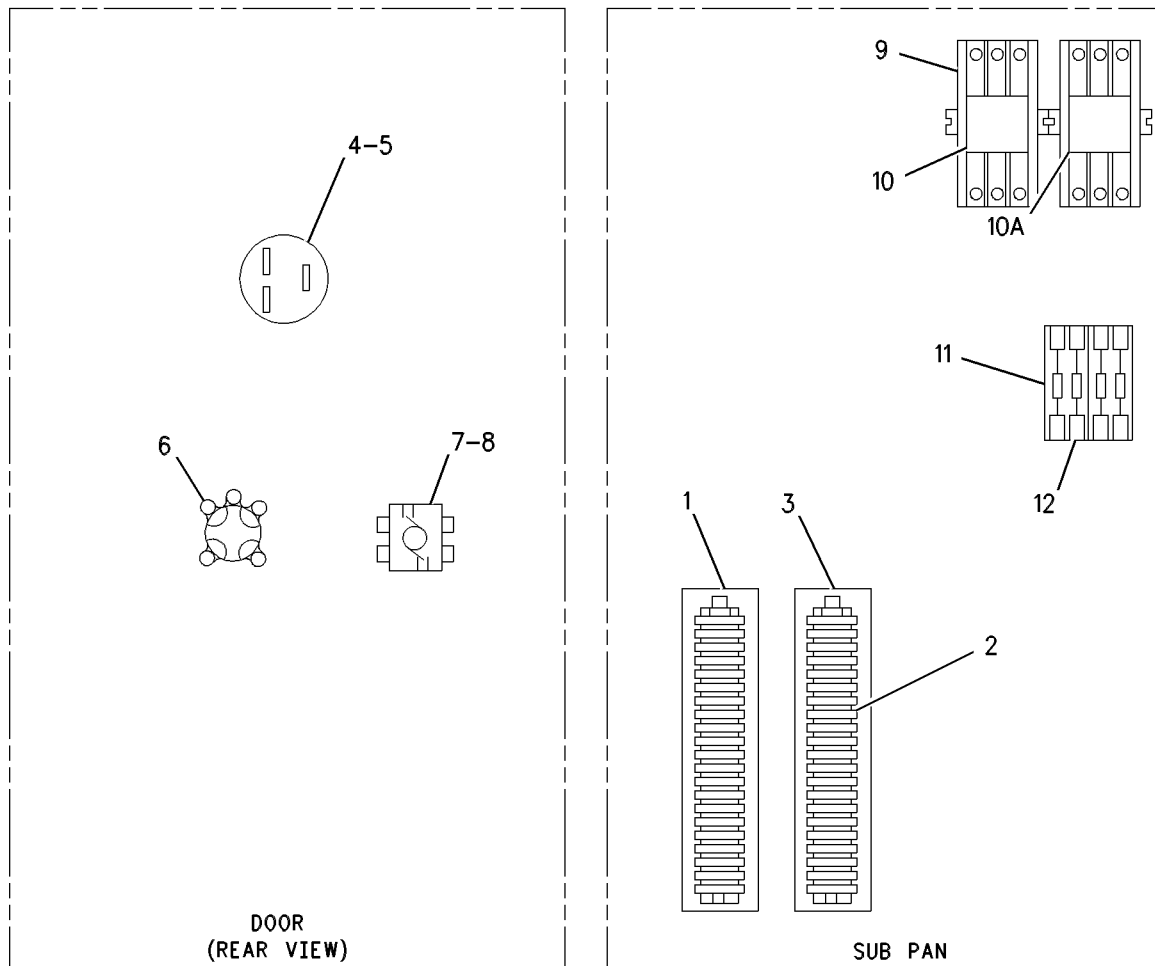
PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1426, 7418

i02787191

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8226	1	MARKER						
	2	1	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3	1	4W-8227	1	MARKER						
	4	1	5N-5499	1	LAMP AS (RED) (3 TERMINAL)						
	5	1	3N-5719	1	LAMP (24-VOLT) (CLEAR)						
	6	1	7W-6967	1	SWITCH-ROTARY (ENGINE CONTROL)						
	7	1	4W-8735	1	SWITCH-STOP (EMERGENCY)						
	8	1	2W-8683	1	BLOCK-CONTACT						
	9	1	4W-8787	2	SOCKET-RELAY						
	10	1	5N-5498	1	RELAY (32-VOLT DC) (ENGINE OIL PRESSURE)						
	10A	1	5N-5498	1	RELAY (32-VOLT DC) (ENGINE FAILURE)						
	11	1	5N-5502	2	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (6-CM)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00579030

ELECTRICAL AND STARTING SYSTEM

7W-8946 CONTROL GP-MANUAL START/STOP

3 LIGHT 24VDC

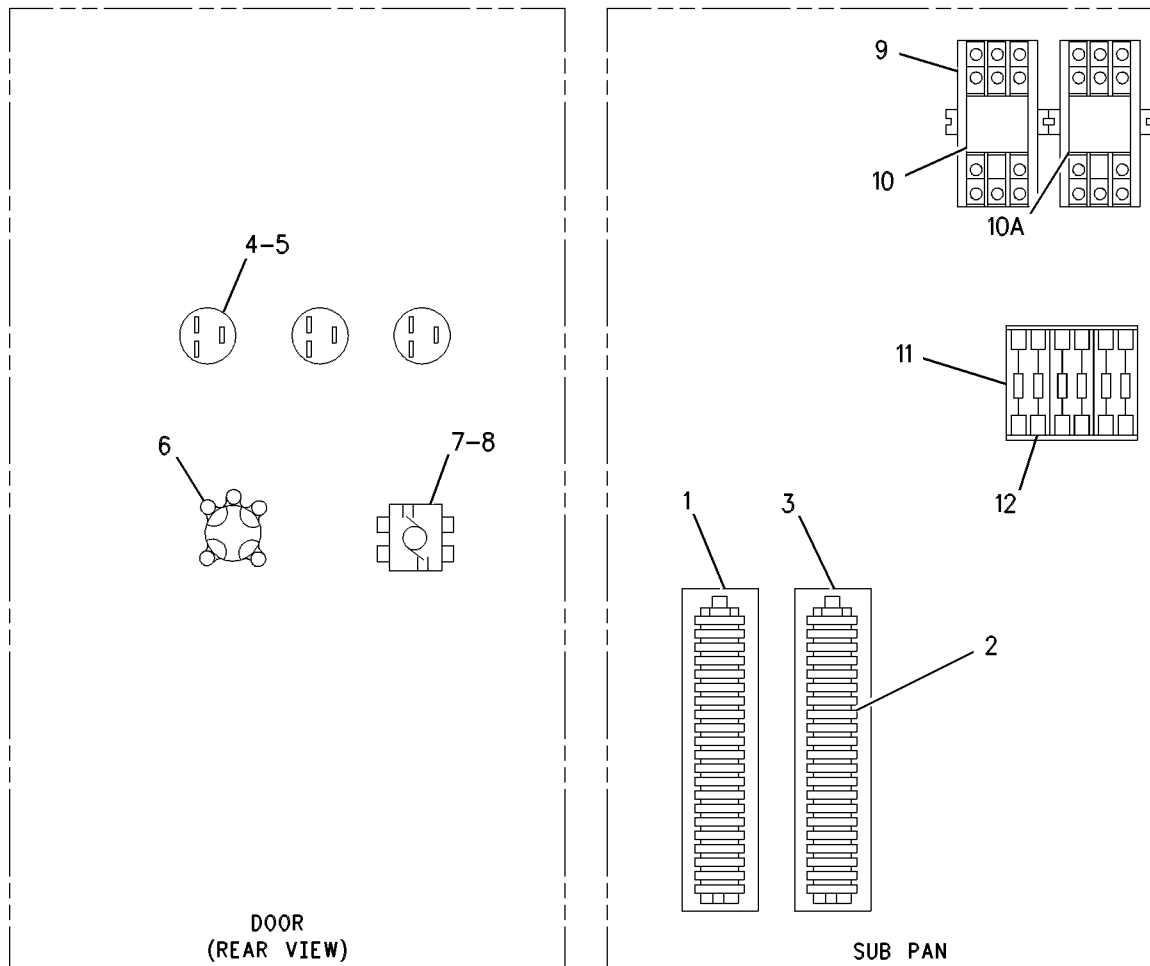
PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1426, 7418

i02787192

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8226	1	MARKER						
	2	1	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3	1	4W-8227	1	MARKER						
	4	1	5N-5499	3	LAMP AS (RED) (3 TERMINAL)						
	5	1	3N-5719	3	LAMP (24-VOLT) (CLEAR)						
	6	1	7W-6967	1	SWITCH-ROTARY (ENGINE CONTROL)						
	7	1	4W-8735	1	SWITCH-STOP (EMERGENCY)						
	8	1	2W-8683	1	BLOCK-CONTACT						
	9	1	4W-8787	2	SOCKET-RELAY						
	10	1	3N-5714	1	RELAY AS (24-VOLT) (ENGINE OIL PRESSURE)						
	10A	1	3N-5714	1	RELAY AS (24-VOLT) (ENGINE FAILURE)						
	11	1	5N-5502	3	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (8-CM)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00579056

ELECTRICAL AND STARTING SYSTEM

7W-8947 CONTROL GP-MANUAL START/STOP

3 LIGHT 32VDC

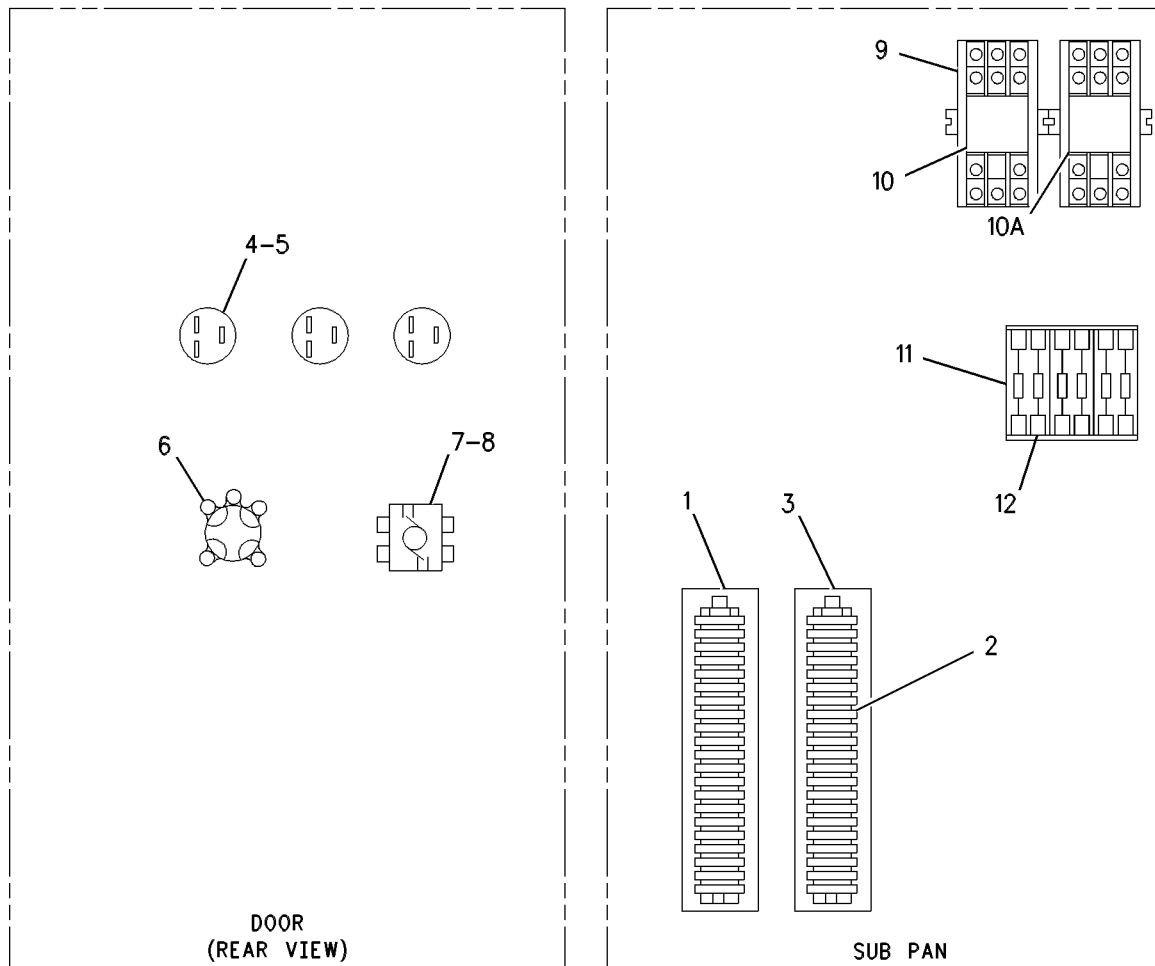
PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1426, 7418

i02787193

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8226	1	MARKER						
	2	1	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3	1	4W-8227	1	MARKER						
	4	1	5N-5499	3	LAMP AS (RED) (3 TERMINAL)						
	5	1	3N-5719	3	LAMP (24-VOLT) (CLEAR)						
	6	1	7W-6967	1	SWITCH-ROTARY (ENGINE CONTROL)						
	7	1	4W-8735	1	SWITCH-STOP (EMERGENCY)						
	8	1	2W-8683	1	BLOCK-CONTACT						
	9	1	4W-8787	2	SOCKET-RELAY						
	10	1	5N-5498	1	RELAY (32-VOLT DC) (ENGINE OIL PRESSURE)						
	10A	1	5N-5498	1	RELAY (32-VOLT DC) (ENGINE FAILURE)						
	11	1	5N-5502	3	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (8-CM)						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00579069

ELECTRICAL AND STARTING SYSTEM

158-6171 CONVERSION AR

FOR USE WITH LOW VOLTAGE GENERATOR, CONVERSION TO EMCP II+
AN ATTACHMENT

SMCS-1000

i02706171

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
YR	118-0175	1	CONTROL GP-EMCP ELECTRONIC (AC TRANSFORMER BOX +)						393
Y	137-5526	1	CONTROL GP-EMCP ELECTRONIC (GENERATOR SET CONTROL +)						396
Y	158-6181	1	RELAY GP (24-VOLT)						325
	2A-0762	4	BOLT (1/4-20X0.625-IN)						
	5P-0537	4	WASHER-HARD (7.2X14.5X2-MM THK)						

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

<END>

158-6172 CONVERSION AR

FOR USE WITH MEDIUM VOLTAGE GENERATOR, CONVERSION TO EMCP II+
AN ATTACHMENT

SMCS-1000

i02232769

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
YR	118-0175	1	CONTROL GP-EMCP ELECTRONIC (AC TRANSFORMER BOX +)						393
Y	137-5526	1	CONTROL GP-EMCP ELECTRONIC (GENERATOR SET CONTROL +)						396
Y	158-6181	1	RELAY GP (24-VOLT)						325
Y	175-7748	1	TRANSFORMER GP-POTENTIAL						371
	8C-8514	4	SCREW-MACHINE (8-32X0.375-IN)						

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

<END>

193-3949 CONVERSION AR

FOR USE WITH TA CATALYST EMISSIONS PERFORMANCE SETTINGS. CANNOT BE USED WITH LOW
PRESSURE GAS
AN ATTACHMENT

SMCS-1000

i01542421

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	191-1810	1	CARBURETOR GP						183

Y-SEPARATE ILLUSTRATION

<END>

ELECTRICAL AND STARTING SYSTEM

318 - 6263 CONVERSION AR

FOR USE WITH FOR CONVERSION FROM EMPCII PANEL TO EMPCII+ PANEL, GENERATOR GROUPS
WITH 3 POTENTIAL TRANSFORMERS
AN ATTACHMENT

SMCS - 1000

i02867803

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
YR	118-0175	1	CONTROL GP-EMCP ELECTRONIC (AC TRANSFORMER BOX +)						393
Y	137-5526	1	CONTROL GP-EMCP ELECTRONIC (GENERATOR SET CONTROL +) (GENERATOR SET CONTROL +)						396
Y	158-6181	1	RELAY GP (24-VOLT)						325
R-REMFG PART MAY BE AVAILABLE Y-SEPARATE ILLUSTRATION									

<END>

ELECTRICAL AND STARTING SYSTEM

9X-9591 CONVERTER GP-ELECTRICAL

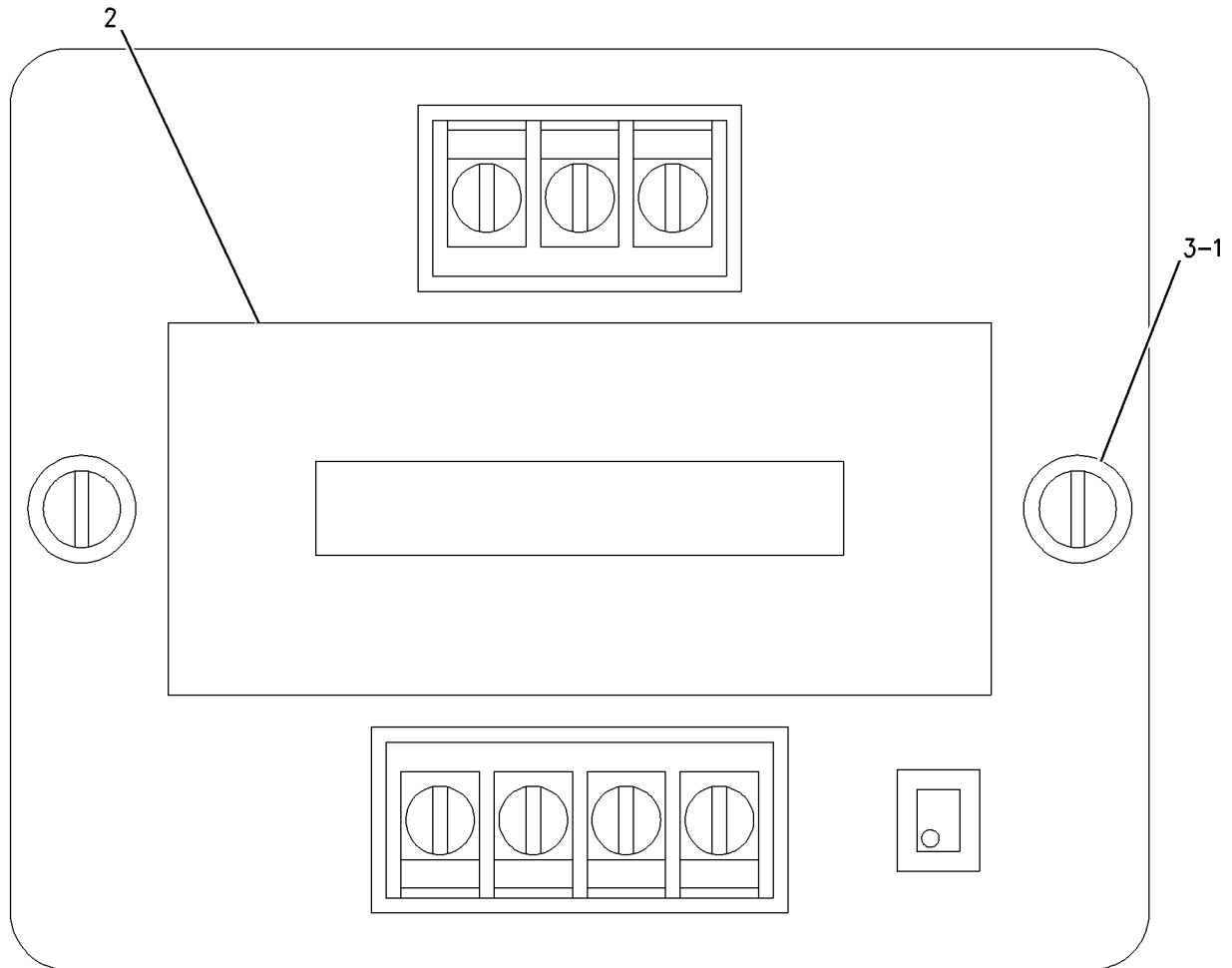
PULSE WIDTH MODULATED

**PART OF 4P-4899 GOVERNOR AS-ELECTRONIC
AN ATTACHMENT**

SMCS-1421

i02183032

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME											SEE PAGE
					1	2	3	4	5	6	(PRODUCT LEVEL)					
	1	1	4B-4863	2	WASHER (4.7X11X1.2-MM THK)											
	2	1	9X-9857	1	FILM-IDENTIFICATION (ELECTRICAL CONVERTER)											
	3	1	3K-8106	2	SCREW-MACHINE (8-32X1-IN)											



GRAPHIC #1

<END>

g00774430

ELECTRICAL AND STARTING SYSTEM

7N-4313 DRIVE GP-MAGNETO

SMCS-1556

i03021863

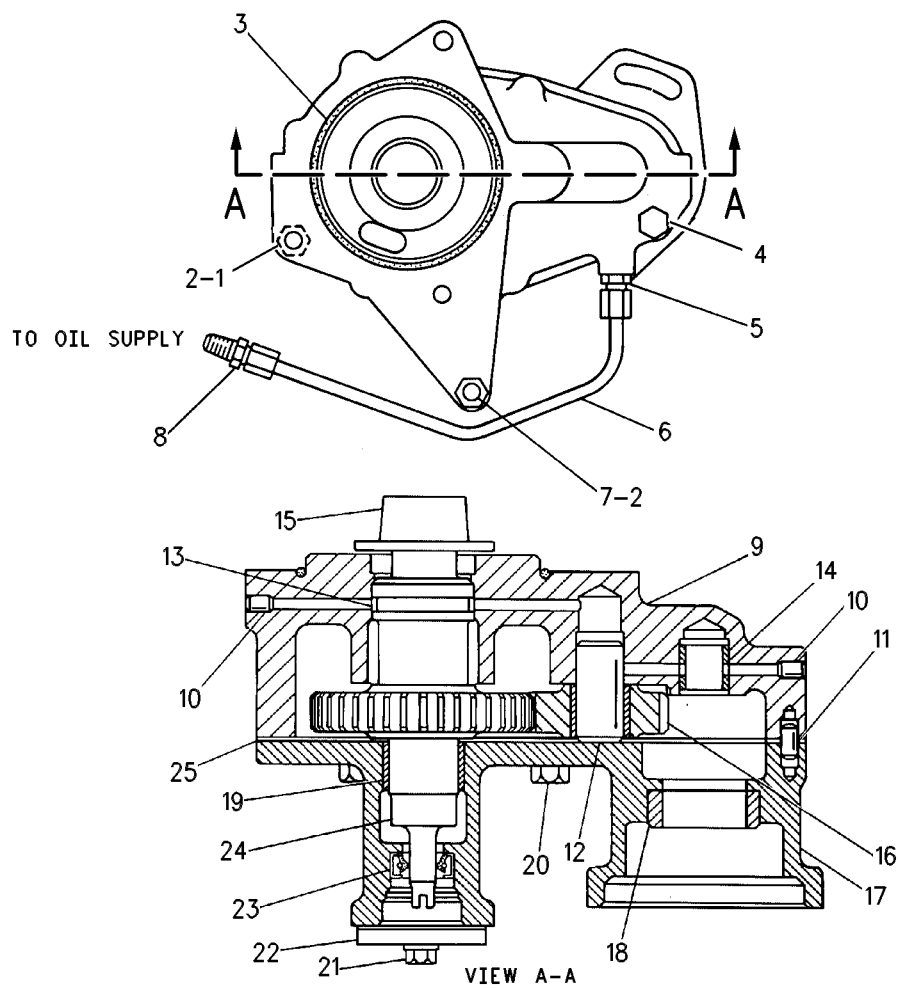
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1B-4203	3	NUT-FULL (3/8-24-THD)						
	2	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	3	1	2H-3934	1	SEAL-O-RING						
	4	1	1C-2251	1	BOLT (3/8-16X1.87-IN)						
	5	1	3J-7352	1	CONNECTOR						
		1	3J-7354	1	SEAL-O-RING						
	6	1	7N-6202	1	TUBE AS						
	7	1	0T-0573	1	BOLT (3/8-16X2.75-IN)						
		1	1D-4717	1	NUT (3/8-16-THD)						
C	8	1	8L-6557	1	CONNECTOR						
	9	1	7N-2997	1	HOUSING AS						
	10	1	6F-0984	2	DOWEL						
	11	1	2A-3348	2	DOWEL						
	12	1	7N-2996	1	SHAFT						
	13	1	1S-9848	1	BEARING-SLEEVE						
	14	1	1S-7371	1	BEARING						
	15	1	4N-2954	1	SLEEVE-CAMSHAFT						
	16	1	7N-2589	1	GEAR AS-IDLER (24-TEETH)						
		1	7L-5774	1	BEARING						
	17	1	7N-2998	1	ADAPTER AS						
	18	1	7N-7239	1	BUSHING-TERMINAL						
	19	1	8M-8356	1	BEARING						
	20	1	0L-1351	4	BOLT (3/8-16X0.875-IN)						
	21	1	4F-7957	2	BOLT (1/4-20X0.875-IN)						
		1	5P-0537	2	WASHER-HARD (7.2X14.5X2-MM THK)						
	22	1	9B-0459	1	COVER						
		1	2K-3967	1	GASKET						
	23	1	8M-1051	1	SEAL						
	24	1	7N-2588	1	SHAFT AS						
	25	1	7N-2995	1	GASKET						

C- CHANGE FROM PREVIOUS TYPE

ELECTRICAL AND STARTING SYSTEM

7N-4313 DRIVE GP-MAGNETO (contd.)

i03021863



GRAPHIC #1

<END>

g00474647

ELECTRICAL AND STARTING SYSTEM

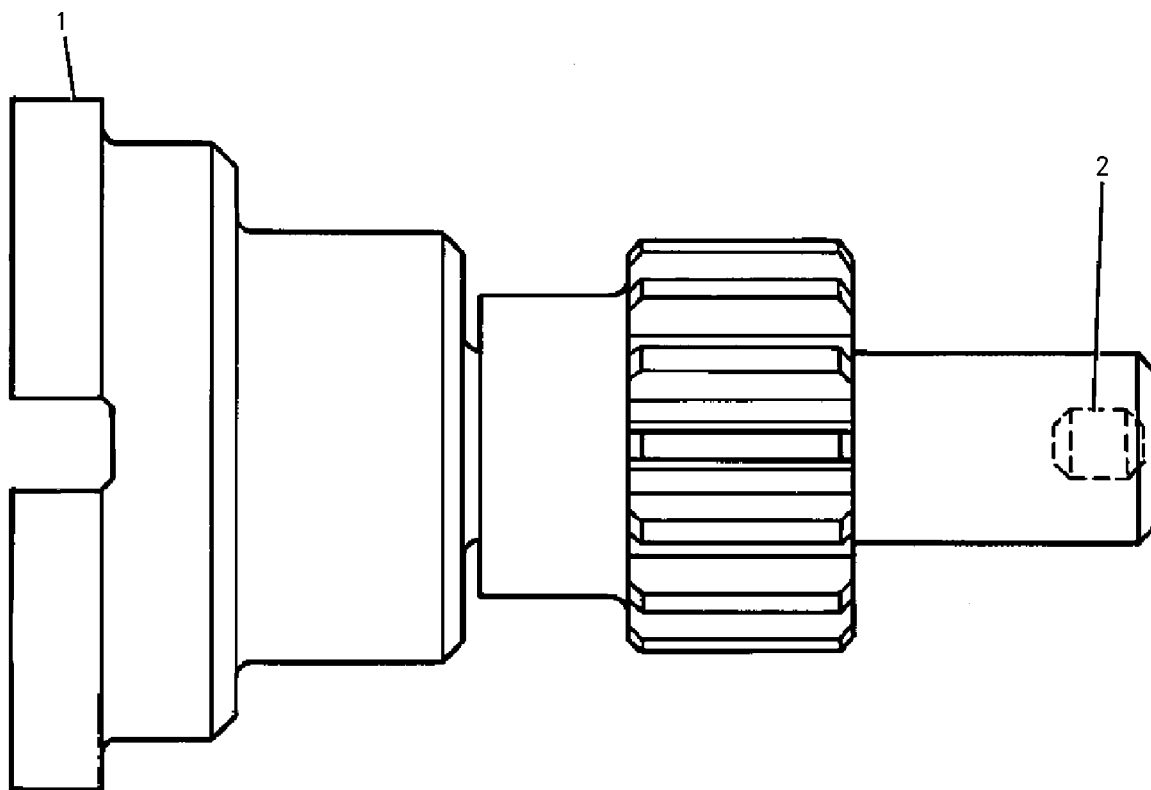
7N-2587 GEAR GP-MAGNETO DRIVE

PART OF 107-2391, 107-2392, 107-2393, 107-2394, 2W-4872, 2W-6617, 9Y-6491,
9Y-6492 IGNITION GP-GAS ENGINE
AN ATTACHMENT

SMCS-1556

i01791144

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
C	1	1	4W-6704	1	GEAR AS-MAGNETO DRIVE (14 TEETH)	
	2	1	6F-0984	1	DOWEL	
C-CHANGE FROM PREVIOUS TYPE						



GRAPHIC #1

<END>

g00917732

ELECTRICAL AND STARTING SYSTEM

7W-5019 HARNESS AS-CONTROL-GOVERNOR FOR USE WITH 589-FRAME OR 681-FRAME GENERATOR WITH A 2301 GOVERNOR AN ATTACHMENT

SMCS-1408

i00908535

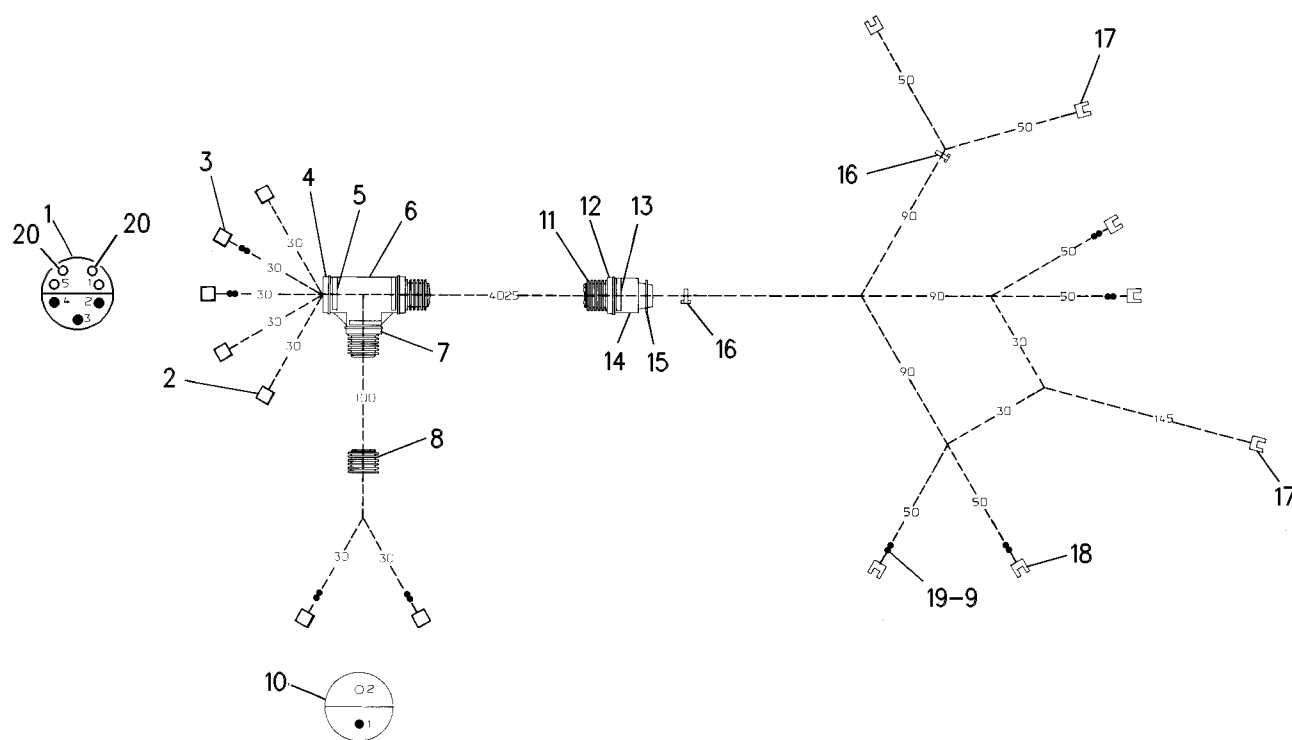
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	9G-3676	1	HOUSING-RECEPTACLE	
	2	1	7N-7779	3	SOCKET-CONNECTOR (14-GA TO 18-GA)	
	3	1	7N-7780	4	PIN-CONNECTOR (14-GA TO 18-GA)	
	4	1	5N-9070	2	COLLAR	
	5	1	5N-9073	3	CLIP	
	6	1	5N-9066	1	TEE	
	7	1	5N-9071	1	COLLAR	
CD	8	1	6V-5819		CONDUIT-FLEXIBLE (.085 M)	
C	9	1	3S-8888	8	DISPENSER GP-MARKER TAPE (NUMBERS ONE TO ONE THOUSAND) (NUMERIC)	
	10	1	7N-9737	1	HOUSING-PLUG (14-GA TO 18-GA)	
CD	11	1	6V-5818		CONDUIT-FLEXIBLE (1.28 M)	
	12	1	5N-9068	1	COLLAR	
	13	1	5N-9072	1	CLIP	
	14	1	5N-9117	1	ADAPTER	
	15	1	062-5388	1	LOCKNUT (1-11-1/2-THD)	
	16	1	8L-8413	35	STRAP-CABLE	
	17	1	5P-2321	3	TERMINAL (14-GA TO 16-GA, NO. 6 SCREW)	
	18	1	5P-3059	4	TERMINAL (18-GA TO 22-GA, NO. 6 SCREW)	
C	19	1	4S-8222	8	DISPENSER GP-MARKER TAPE (LETTERS A TO Z) (ALPHA)	
	20	1	9G-3695	2	PLUG	
AVAILABLE REPAIR KIT(S):						
BE			6V-2744		WIRE-ELECTRICAL (18-GA)	
BD			5P-5623		WIRE-ELECTRICAL (16-GA, BLACK)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER

ELECTRICAL AND STARTING SYSTEM

7W-5019 HARNESS AS-CONTROL (contd.)

i00908535



GRAPHIC #1

<END>

g00295118

ELECTRICAL AND STARTING SYSTEM

282-0917 HARNESS AS - PANEL—PRODUCT LINK AN ATTACHMENT

SMCS-1408, 7451

i02501095

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	192-3829	10	BLOCK-TERMINAL (20-AMPERE)						
	162-0589	2	BRACKET-END						
	126-1774	1	COVER-CONNECTOR						
	192-3830	1	COVER-TERMINAL						
	109-3038	10	END-WIRE (16-GA)						
	155-2270	2	KIT-CONNECTING PLUG (2-PIN)						
	172-6355	10	MARKER						
	257-2719	1	PLUG AS						
	160-7690	1	PLUG AS-CONNECTOR (70-PIN)						
	8T-8737	57	PLUG-SEAL						
	125-9969	1	RAIL (PERFORATED)						
	186-3736	17	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	9X-6772	2	STRAP-CABLE						
	218-4935	2	SUPPRESSOR-ARC						
E	119-3662		TUBE-HEAT SHRINK (10.85-MM DIA) (7-CM)						
E	125-7875		TUBE-HEAT SHRINK (7.44-MM DIA) (10-CM)						
E-ORDER BY THE CENTIMETER									

<END>

ELECTRICAL AND STARTING SYSTEM

7E-6247 HEATER GP-JACKET WATER

120-VOLT TO 240-VOLT, 3-KILOWATT

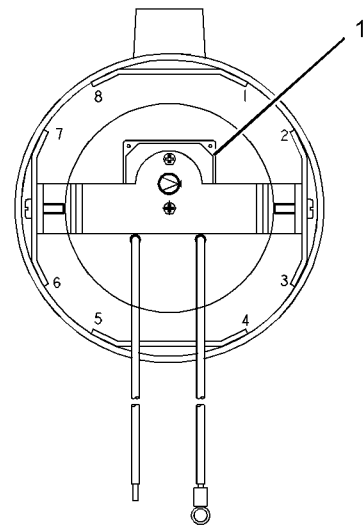
AN ATTACHMENT

TYPE 1

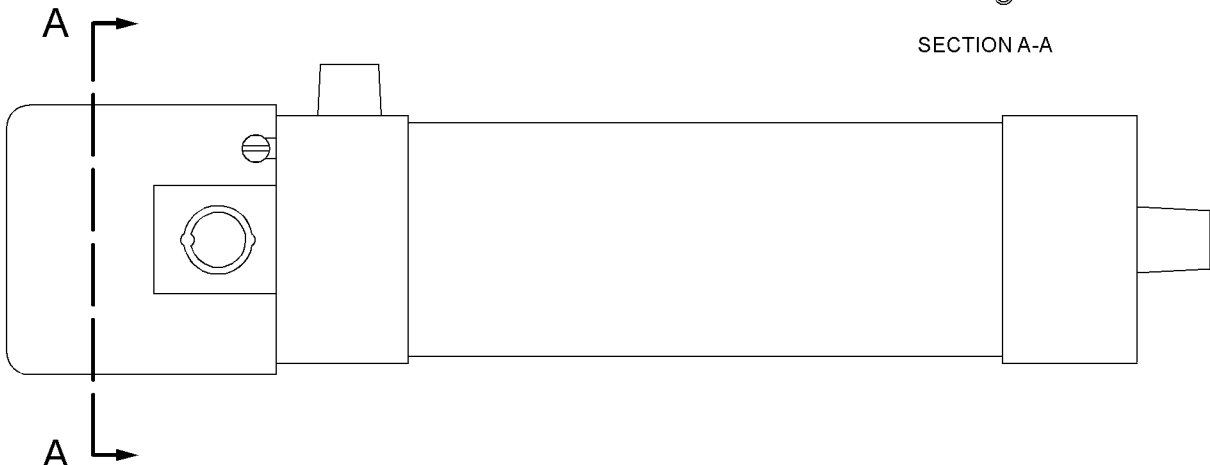
SMCS-1383

i03021944

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	127-6260	1	THERMOSTAT AS (20-DEG C TO 80-DEG C) (JACKET WATER HEATER)						
C- CHANGE FROM PREVIOUS TYPE											



SECTION A-A



GRAPHIC #1

<END>

g01397474

ELECTRICAL AND STARTING SYSTEM

7E-6247 HEATER GP-JACKET WATER

120-VOLT TO 240-VOLT, 3-KILOWATT

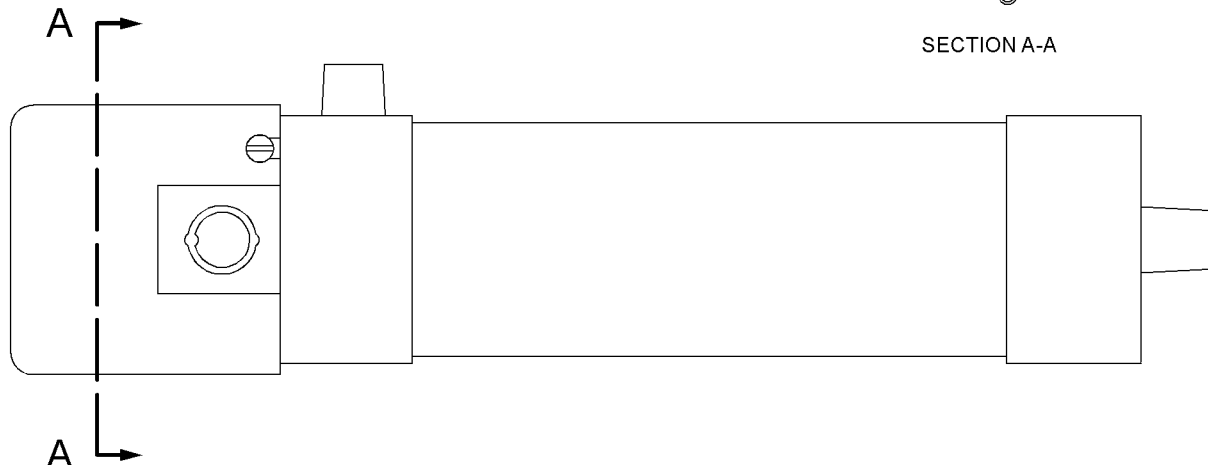
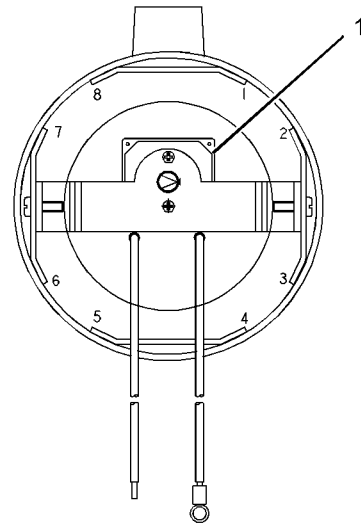
AN ATTACHMENT

TYPE 2

SMCS-1383

i02987831

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
C	1	1	109-8932	1	THERMOSTAT (60 DEG F TO 160 DEG F) (JACKET WATER HEATER)	
C- CHANGE FROM PREVIOUS TYPE						



<END>

g01397474

ELECTRICAL AND STARTING SYSTEM

2W-4872 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

i03021857

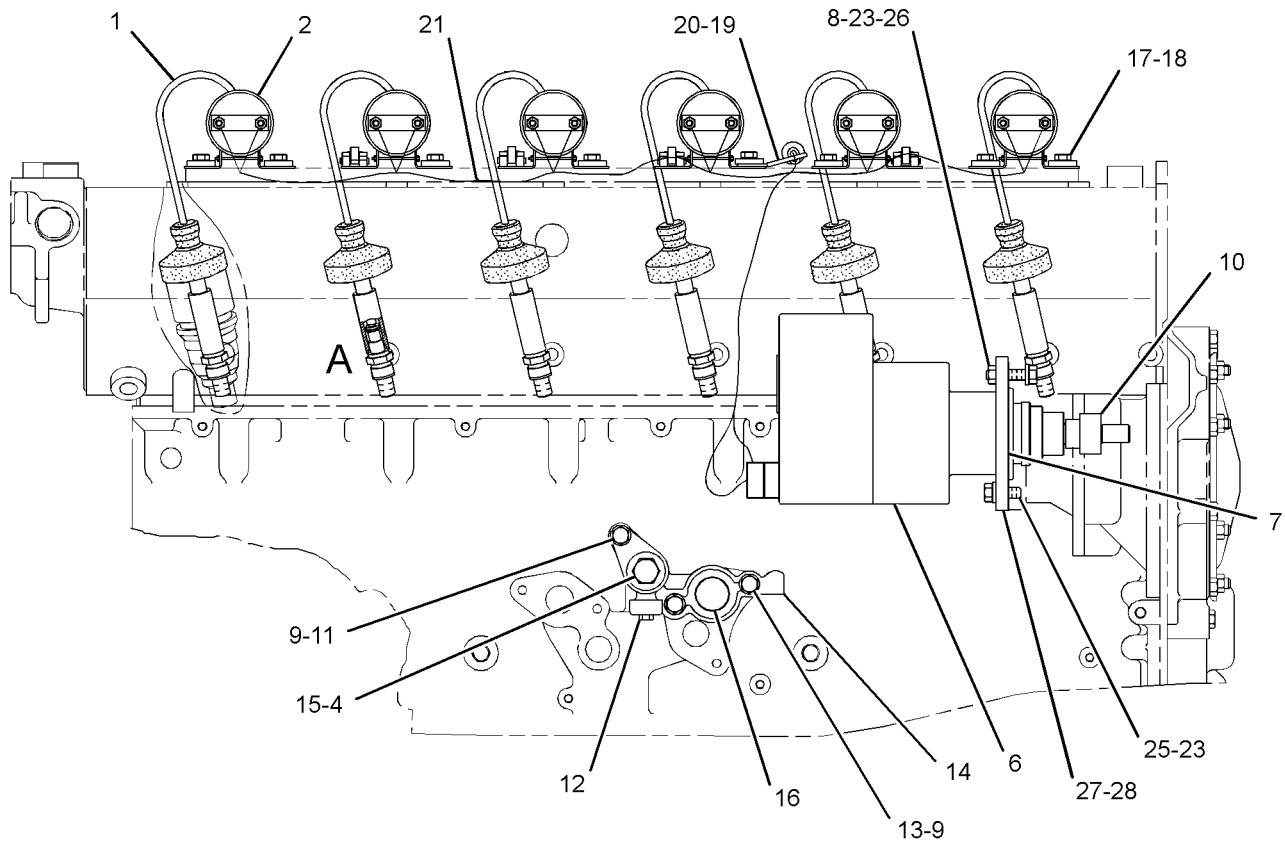
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	7W-2479	6	WIRE AS-PLUG	
	2	1	2W-3747	6	TRANSFORMER AS	
	3	1	2N-2839	6	SPARK PLUG	
					(EACH INCLUDES)	
		1	108-3515	1	GASKET-PLUG	
	4	1	7W-6492	1	PLUG-PIPE	
	5	1	8M-8157	6	SEAL-O-RING	
Y	6	1	2W-3749	1	MAGNETO GP	318
	7	1	6L-5270	1	GASKET-MAGNETO	
	8	1	3B-1915	1	BOLT (3/8-16X1.375-IN)	
	9	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
Y	10	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)	295
	11	1	1A-2029	1	BOLT (3/8-16X1.125-IN)	
	12	1	8T-6764	1	PLUG-PIPE	
	13	1	0S-1619	2	BOLT (3/8-16X3-IN)	
	14	1	4N-4057	1	ADAPTER	
	15	1	8M-5253	1	SEAL-O-RING	
	16	1	8M-5248	1	SEAL-O-RING	
	17	1	6V-3964	12	WASHER-HARD (8.8X25.5X5-MM THK)	
	18	1	2B-2695	12	BOLT (5/16-18X0.875-IN)	
	19	1	4P-7581	3	CLIP	
	20	1	9X-6772	3	STRAP-CABLE	
	21	1	6I-2762	1	HARNESS AS-WIRING (IGNITION)	
	23	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	25	1	0S-1594	1	BOLT (3/8-16X1-IN)	
	26	1	9S-8752	1	NUT-FULL (3/8-16-THD)	
	27	1	4P-1650	1	COVER	
	28	1	1H-7339	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION

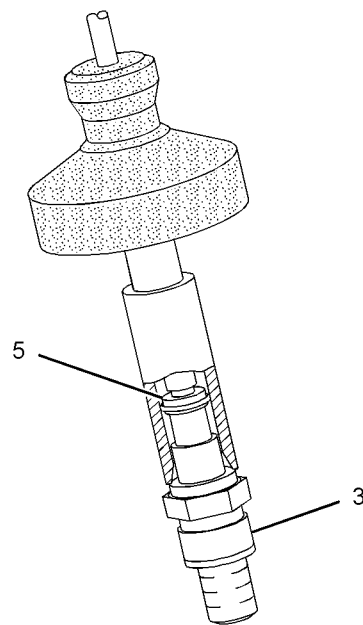
ELECTRICAL AND STARTING SYSTEM

2W-4872 IGNITION GP-GAS ENGINE (contd.)

i03021857



RIGHT SIDE VIEW OF ENGINE



VIEW OF AREA A

GRAPHIC #1

<END>

g01416980

ELECTRICAL AND STARTING SYSTEM

2W-6617 IGNITION GP-GAS ENGINE

FOR USE WITH ALTRONIC IGNITION GP & TURBO SEPARATE CIRCUIT WATER AFTERCOOLED ARS
AN ATTACHMENT

SMCS-1550

i03021858

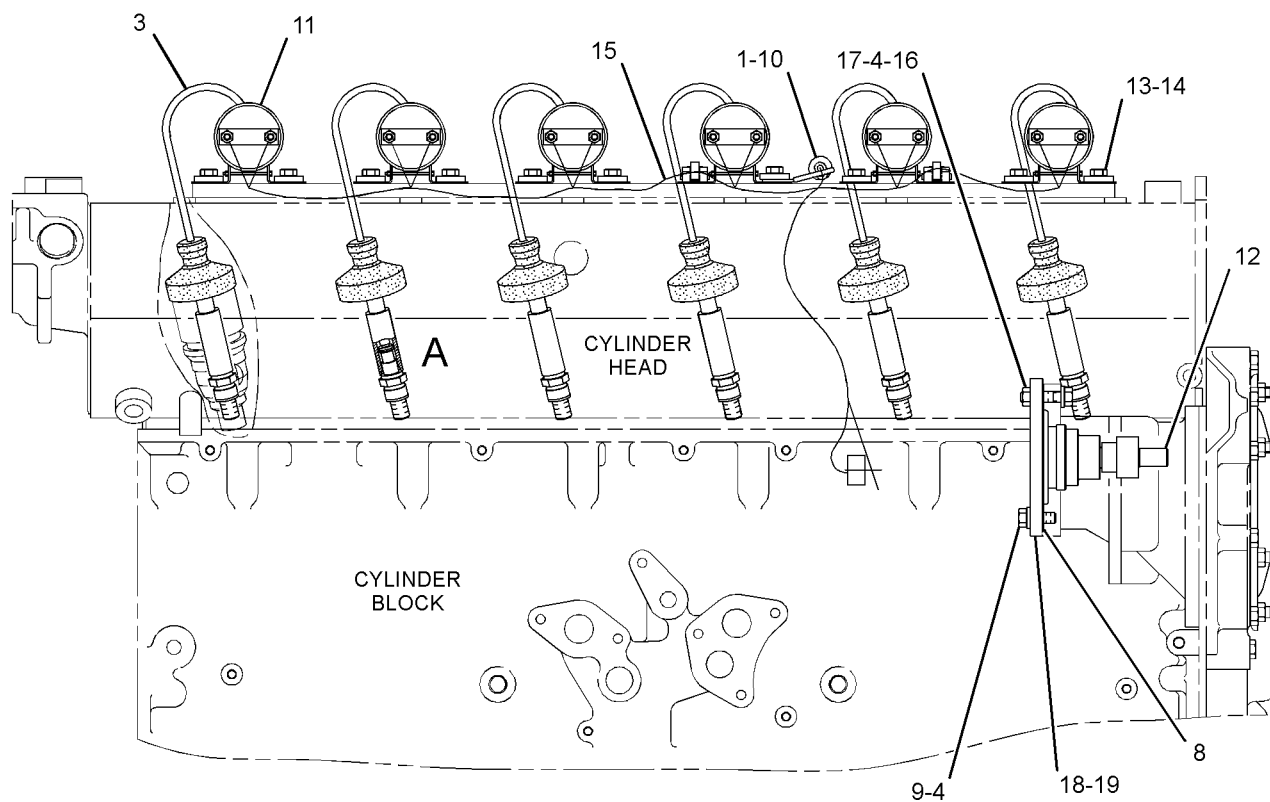
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	4P-7581	3	CLIP	
	2	1	2N-2839	6	SPARK PLUG	
					(EACH INCLUDES)	
		1	108-3515	1	GASKET-PLUG	
	3	1	7W-2479	6	WIRE AS-PLUG	
	4	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	5	1	8M-8157	6	SEAL-O-RING	
Y	7	1	2W-3749	1	MAGNETO GP	318
	8	1	6L-5270	1	GASKET-MAGNETO	
	9	1	0S-1594	1	BOLT (3/8-16X1-IN)	
	10	1	9X-6772	3	STRAP-CABLE	
	11	1	2W-3747	6	TRANSFORMER AS	
Y	12	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)	295
	13	1	6V-3964	12	WASHER-HARD (8.8X25.5X5-MM THK)	
	14	1	2B-2695	12	BOLT (5/16-18X0.875-IN)	
	15	1	6I-2762	1	HARNESS AS-WIRING (IGNITION)	
		1	3E-6493	1	PLUG AS-CONNECTOR	
		1	7N-9738	1	HOUSING-RECEPTACLE (14-GA TO 18-GA)	
	16	1	3B-1915	1	BOLT (3/8-16X1.375-IN)	
	17	1	9S-8752	1	NUT-FULL (3/8-16-THD)	
	18	1	4P-1650	1	COVER	
	19	1	1H-7339	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION

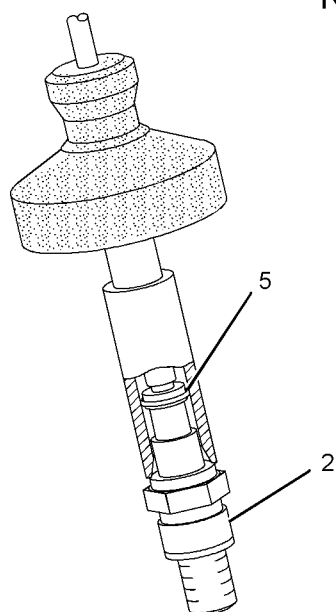
ELECTRICAL AND STARTING SYSTEM

2W-6617 IGNITION GP-GAS ENGINE (contd.)

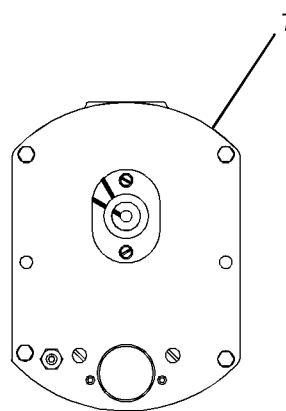
i03021858



RIGHT SIDE VIEW OF ENGINE



VIEW OF AREA A



(SHIPPED LOOSE)

GRAPHIC #1

<END>

g01379005

ELECTRICAL AND STARTING SYSTEM

9Y-6491 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

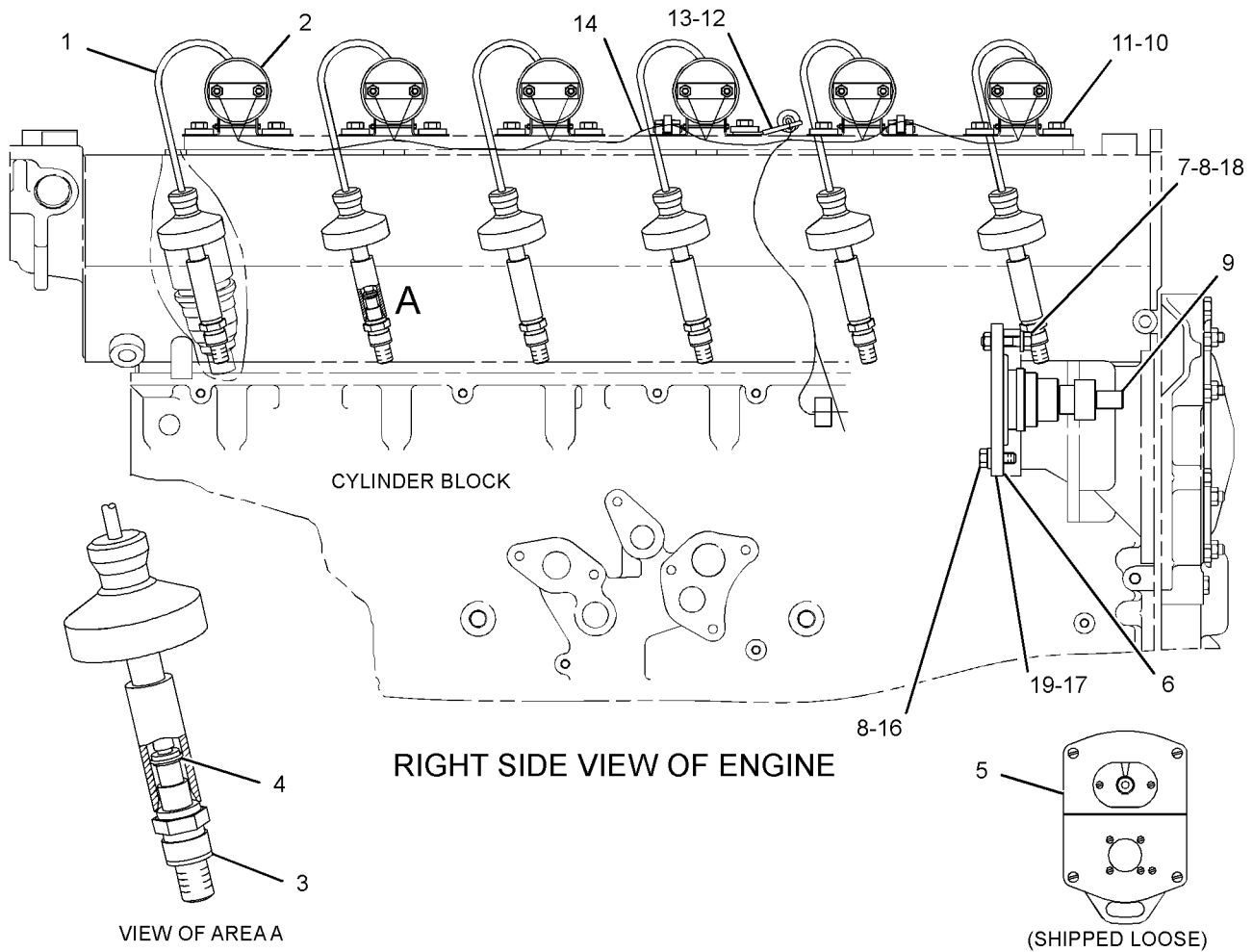
i03021942

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-2479	6	WIRE AS-PLUG						
	2	1	2W-3747	6	TRANSFORMER AS						
	3	1	2N-2839	6	SPARK PLUG						
					(EACH INCLUDES)						
		1	108-3515	1	GASKET - PLUG						
	4	1	8M-8157	6	SEAL - O - RING						
Y	5	1	9Y-6465	1	MAGNETO GP						319
	6	1	6L-5270	1	GASKET - MAGNETO						
	7	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	8	1	9X-6458	2	WASHER - HARD (10.2X22.5X3-MM THK)						
Y	9	1	7N-2587	1	GEAR GP - MAGNETO DRIVE (14-TEETH)						295
	10	1	6V-3964	12	WASHER - HARD (8.8X25.5X5-MM THK)						
	11	1	2B-2695	12	BOLT (5/16-18X0.875-IN)						
	12	1	4P-7581	3	CLIP						
	13	1	9X-6772	3	STRAP - CABLE						
	14	1	6I-2762	1	HARNESS AS - WIRING (IGNITION)						
		1	3E-6493	1	PLUG AS - CONNECTOR						
		1	7N-9738	1	HOUSING - RECEPTACLE (14-GA TO 18-GA)						
	16	1	0S-1594	1	BOLT (3/8-16X1-IN)						
	17	1	1H-7339	1	SEAL - O - RING						
	18	1	9S-8752	1	NUT - FULL (3/8-16-THD)						
	19	1	4P-1650	1	COVER						
Y-SEPARATE ILLUSTRATION											

ELECTRICAL AND STARTING SYSTEM

9Y-6491 IGNITION GP-GAS ENGINE (contd.)

i03021942



GRAPHIC #1

<END>

g01377579

ELECTRICAL AND STARTING SYSTEM

9Y-6492 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

i03021867

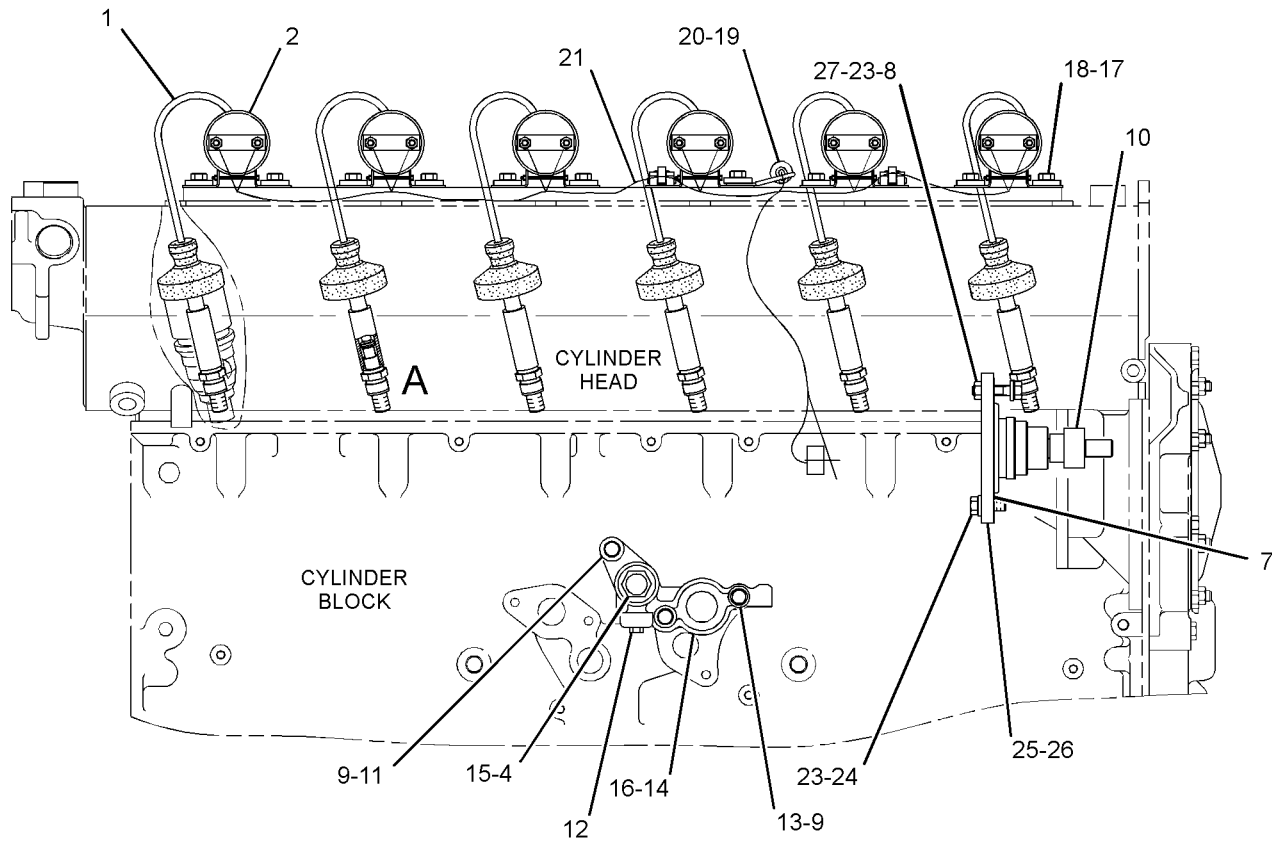
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-2479	6	WIRE AS-PLUG						
	2	1	2W-3747	6	TRANSFORMER AS						
	3	1	2N-2839	6	SPARK PLUG						
					(EACH INCLUDES)						
		1	108-3515	1	GASKET-PLUG						
	4	1	7W-6492	1	PLUG-PIPE						
	5	1	8M-8157	6	SEAL-O-RING						
Y	6	1	9Y-6465	1	MAGNETO GP						319
	7	1	6L-5270	1	GASKET-MAGNETO						
C	8	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
C	9	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
Y	10	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)						295
	11	1	1A-2029	1	BOLT (3/8-16X1.125-IN)						
	12	1	8T-6764	1	PLUG-PIPE						
	13	1	0S-1619	2	BOLT (3/8-16X3-IN)						
	14	1	4N-4057	1	ADAPTER						
	15	1	8M-5253	1	SEAL-O-RING						
	16	1	8M-5248	1	SEAL-O-RING						
	17	1	6V-3964	12	WASHER-HARD (8.8X25.5X5-MM THK)						
	18	1	2B-2695	12	BOLT (5/16-18X0.875-IN)						
C	19	1	4P-7581	3	CLIP						
C	20	1	9X-6772	3	STRAP-CABLE						
C	21	1	6I-2762	1	HARNESS AS-WIRING (IGNITION)						
		1	3E-6493	1	PLUG AS-CONNECTOR						
		1	7N-9738	1	HOUSING-RECEPTACLE (14-GA TO 18-GA)						
C	23	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)						
	24	1	0S-1594	1	BOLT (3/8-16X1-IN)						
	25	1	1H-7339	1	SEAL-O-RING						
	26	1	4P-1650	1	COVER						
	27	1	9S-8752	1	NUT-FULL (3/8-16-THD)						

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION

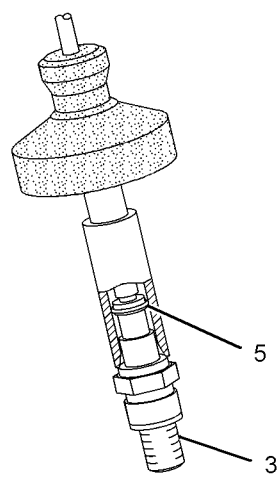
ELECTRICAL AND STARTING SYSTEM

9Y-6492 IGNITION GP-GAS ENGINE (contd.)

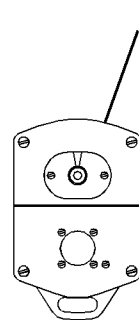
i03021867



RIGHT SIDE VIEW OF ENGINE



VIEW OF AREA A



(SHIPPED LOOSE)

GRAPHIC #1

<END>

g01378678

ELECTRICAL AND STARTING SYSTEM

107-2391 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

i03021869

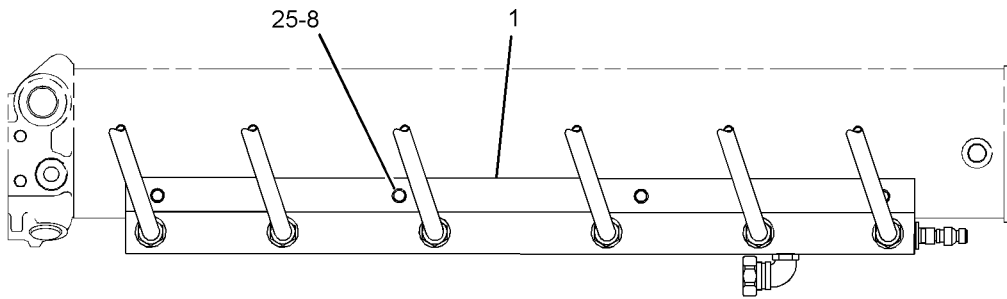
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	251-2053	1	HARNESS AS-WIRING (IGNITION)						
	2	1	107-2400	6	TRANSFORMER AS						
	3	1	4W-2256	6	SPARK PLUG						
					(EACH INCLUDES)						
		1	176-7748	1	GASKET						
		1	108-3515	1	GASKET-PLUG						
	4	1	7W-6492	1	PLUG-PIPE						
	5	1	106-9185	6	BOOT						
Y	6	1	2W-3749	1	MAGNETO GP						318
	7	1	6L-5270	1	GASKET-MAGNETO						
	8	1	5P-4116	5	WASHER-HARD (8.8X20.5X2-MM THK)						
	9	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
Y	10	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)						295
	11	1	1A-2029	2	BOLT (3/8-16X1.125-IN)						
	12	1	8T-6764	1	PLUG-PIPE						
	13	1	0S-1619	2	BOLT (3/8-16X3-IN)						
	14	1	4N-4057	1	ADAPTER						
	15	1	8M-5253	1	SEAL-O-RING						
	16	1	8M-5248	1	SEAL-O-RING						
	17	1	1C-0569	1	BOLT (5/16-18X0.5-IN)						
	19	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)						
	21	1	7X-6034	1	STRAP AS-GROUND						
	22	1	3T-3622	6	CLAMP						
	24	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	25	1	0S-1617	4	BOLT (5/16-18X0.75-IN)						
	26	1	3E-6488	1	PLUG AS-CONNECTOR						
	27	1	7E-3060	1	ADAPTER						
	28	1	9S-8752	1	NUT-FULL (3/8-16-THD)						
	29	1	1H-7339	1	SEAL-O-RING						
	30	1	4P-1650	1	COVER						

Y-SEPARATE ILLUSTRATION

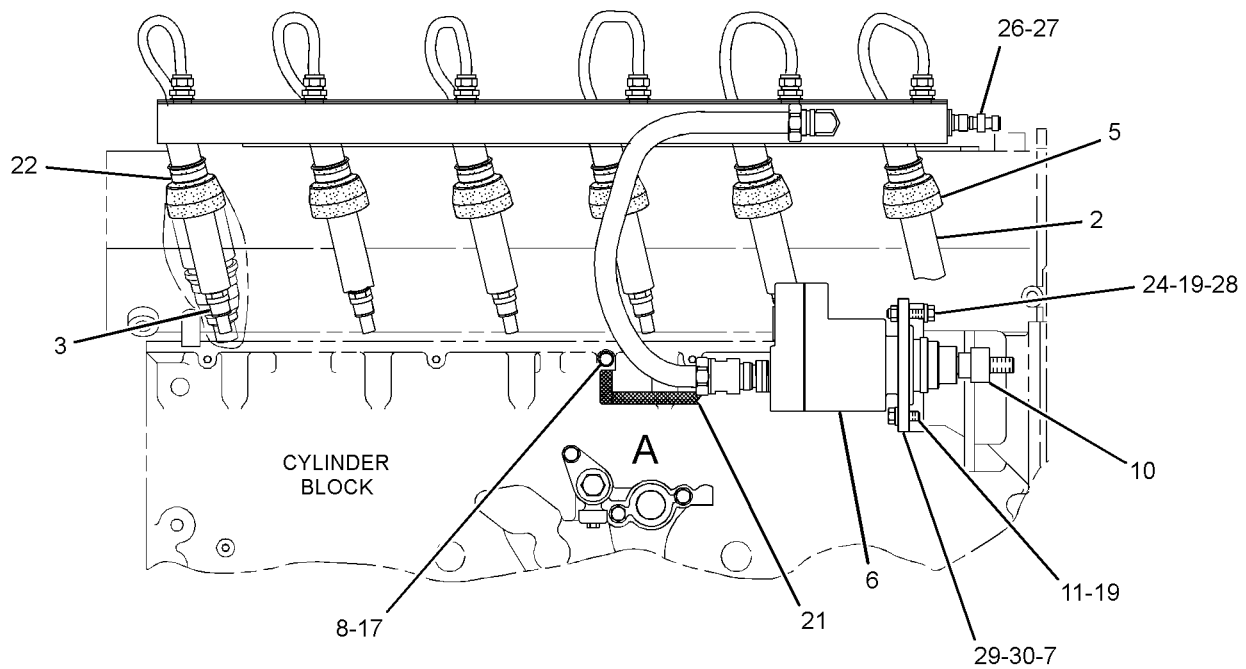
ELECTRICAL AND STARTING SYSTEM

107-2391 IGNITION GP-GAS ENGINE (contd.)

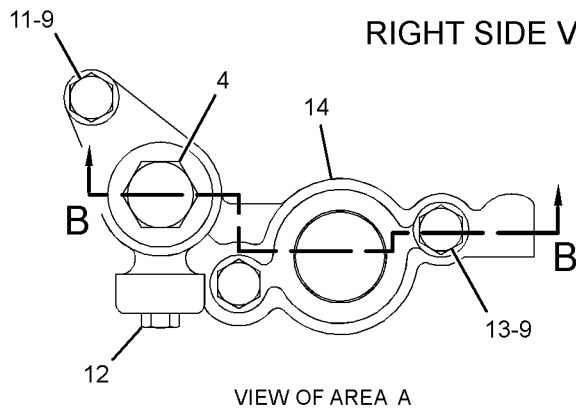
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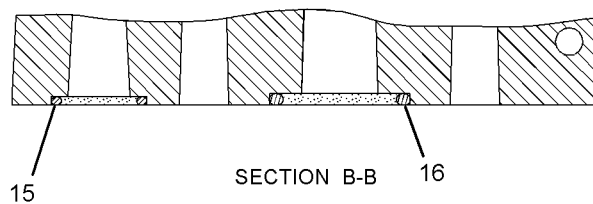
TOP VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE



VIEW OF AREA A



GRAPHIC #1

<END>

g01515871

ELECTRICAL AND STARTING SYSTEM

107-2392 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

i03021870

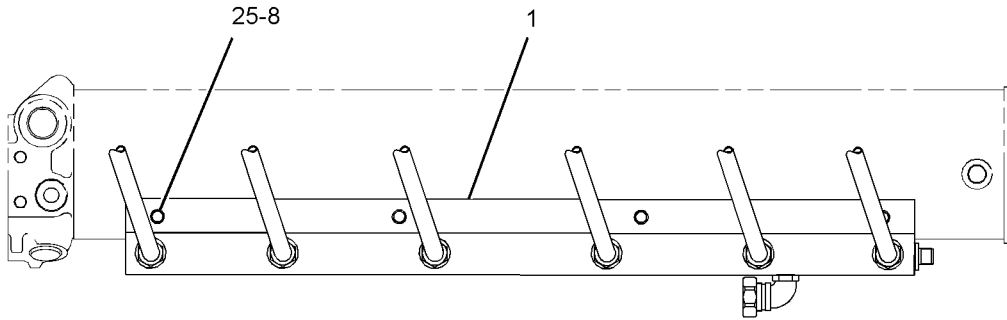
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	251-2053	1	HARNESS AS-WIRING (IGNITION)						
	2	1	107-2400	6	TRANSFORMER AS						
	3	1	4W-2256	6	SPARK PLUG						
					(EACH INCLUDES)						
		1	176-7748	1	GASKET						
		1	108-3515	1	GASKET-PLUG						
	4	1	7W-6492	1	PLUG-PIPE						
	5	1	106-9185	6	BOOT						
Y	6	1	9Y-6465	1	MAGNETO GP (BASIC)						319
	7	1	6L-5270	1	GASKET-MAGNETO						
	8	1	5P-4116	4	WASHER-HARD (8.8X20.5X2-MM THK)						
	9	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
Y	10	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)						295
	11	1	1A-2029	1	BOLT (3/8-16X1.125-IN)						
	12	1	8T-6764	1	PLUG-PIPE						
	13	1	0S-1619	2	BOLT (3/8-16X3-IN)						
	14	1	4N-4057	1	ADAPTER						
	15	1	8M-5253	1	SEAL-O-RING						
	16	1	8M-5248	1	SEAL-O-RING						
	17	1	2H-3755	1	BOLT (5/16-18X0.43-IN)						
	19	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)						
	21	1	7X-6034	1	STRAP AS-GROUND						
	22	1	3T-3622	6	CLAMP						
	24	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	25	1	0S-1617	4	BOLT (5/16-18X0.75-IN)						
	26	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)						
	27	1	0S-1594	1	BOLT (3/8-16X1-IN)						
	28	1	9S-8752	1	NUT-FULL (3/8-16-THD)						
	29	1	4P-1650	1	COVER						
	30	1	1H-7339	1	SEAL-O-RING						

Y-SEPARATE ILLUSTRATION

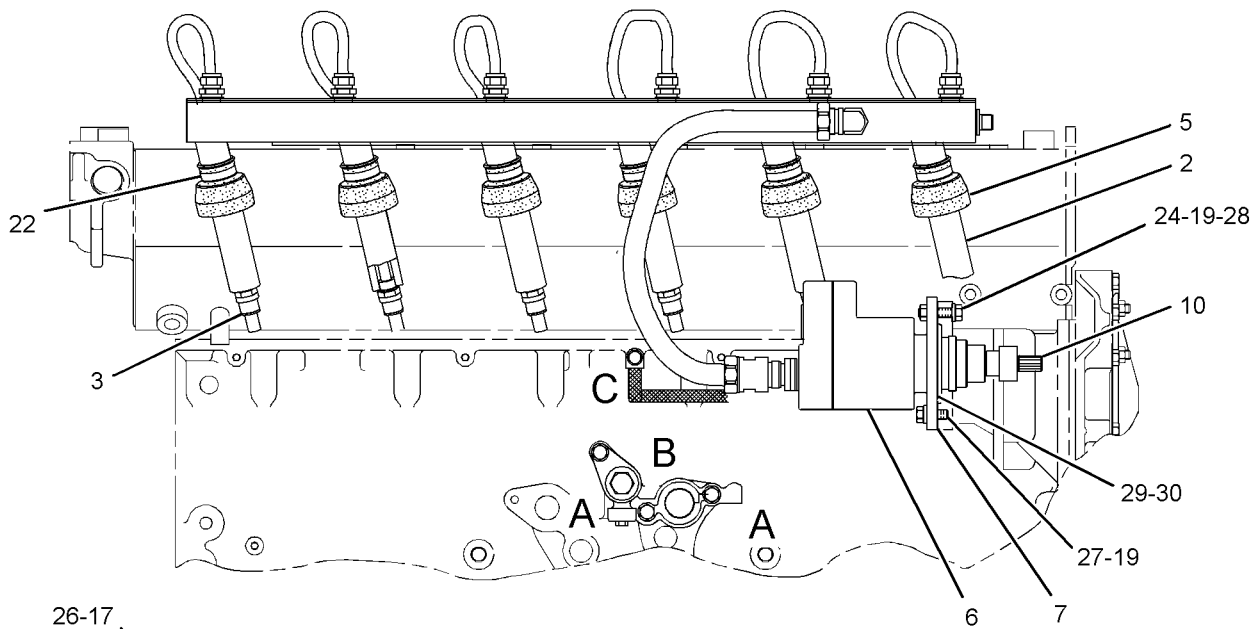
ELECTRICAL AND STARTING SYSTEM

107-2392 IGNITION GP-GAS ENGINE (contd.)

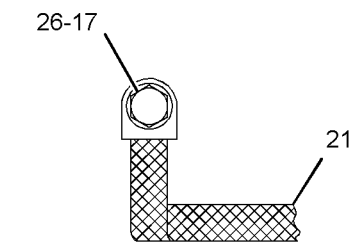
i03021870



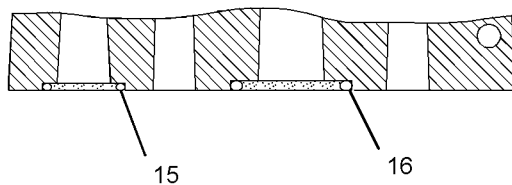
TOP VIEW OF ENGINE



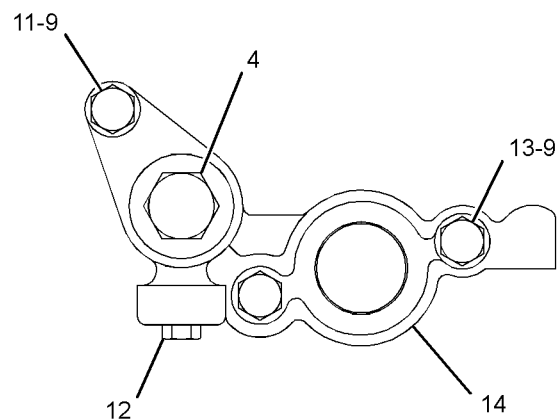
RIGHT SIDE VIEW OF ENGINE



VIEW OF AREA C



SECTION A-A



VIEW OF AREA B

GRAPHIC #1

<END>

g01519674

ELECTRICAL AND STARTING SYSTEM

107-2393 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

i03021871

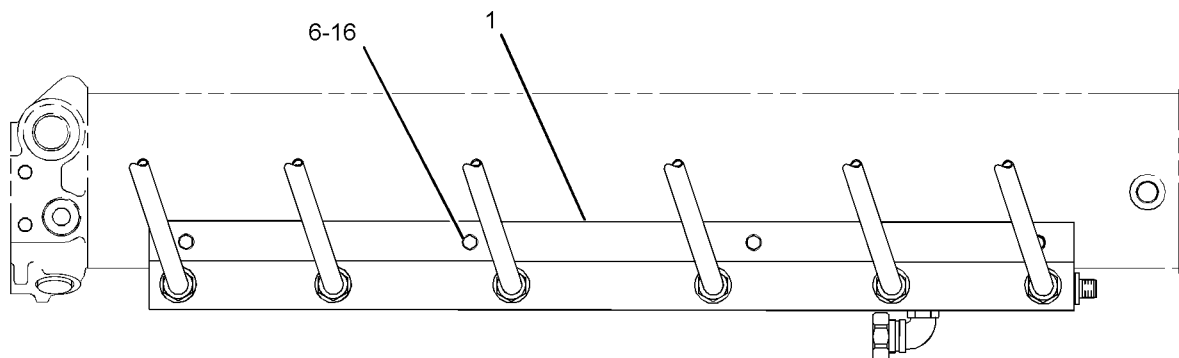
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	251-2053	1	HARNESS AS-WIRING (IGNITION)						
	2	1	107-2400	6	TRANSFORMER AS						
	3	1	4W-2256	6	SPARK PLUG						
					(EACH INCLUDES)						
		1	176-7748	1	GASKET						
		1	108-3515	1	GASKET-PLUG						
	4	1	106-9185	6	BOOT						
	5	1	6L-5270	1	GASKET-MAGNETO						
	6	1	5P-4116	4	WASHER-HARD (8.8X20.5X2-MM THK)						
Y	7	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)						295
	8	1	2H-3755	1	BOLT (5/16-18X0.43-IN)						
	10	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)						
	12	1	7X-6034	1	STRAP AS-GROUND						
	13	1	3T-3622	6	CLAMP						
	15	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	16	1	0S-1617	4	BOLT (5/16-18X0.75-IN)						
	17	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)						
	18	1	0S-1594	1	BOLT (3/8-16X1-IN)						
Y	19	1	2W-3749	1	MAGNETO GP						318

Y-SEPARATE ILLUSTRATION

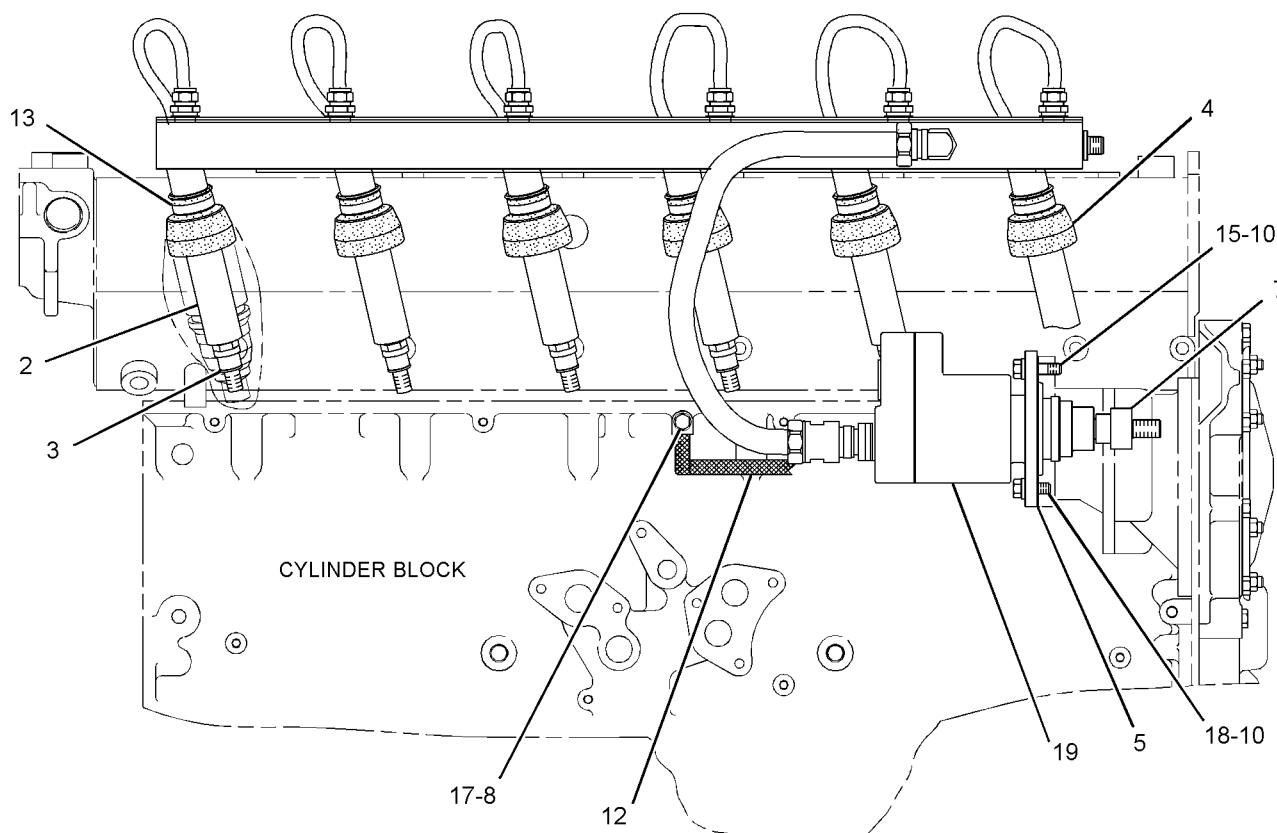
ELECTRICAL AND STARTING SYSTEM

107-2393 IGNITION GP-GAS ENGINE (contd.)

i03021871



TOP VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01416988

ELECTRICAL AND STARTING SYSTEM

107-2394 IGNITION GP-GAS ENGINE

AN ATTACHMENT

SMCS-1550

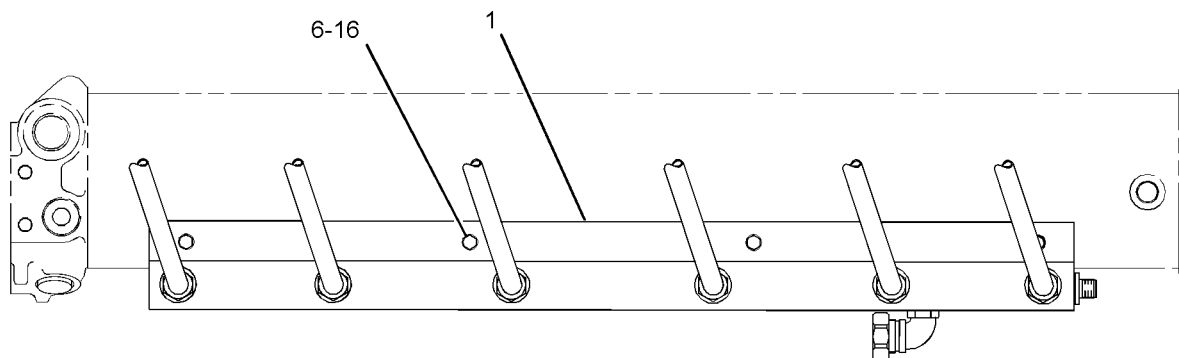
i03021872

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	251-2053	1	HARNESS AS-WIRING (IGNITION)						
	2	1	107-2400	6	TRANSFORMER AS						
	3	1	4W-2256	6	SPARK PLUG						
					(EACH INCLUDES)						
		1	176-7748	1	GASKET						
		1	108-3515	1	GASKET-PLUG						
	4	1	106-9185	6	BOOT						
	5	1	6L-5270	1	GASKET-MAGNETO						
	6	1	5P-4116	4	WASHER-HARD (8.8X20.5X2-MM THK)						
Y	7	1	7N-2587	1	GEAR GP-MAGNETO DRIVE (14-TEETH)						295
	8	1	2H-3755	1	BOLT (5/16-18X0.43-IN)						
	9	1	1H-7339	1	SEAL-O-RING						
	10	1	9X-6458	2	WASHER-HARD (10.2X22.5X3-MM THK)						
	11	1	4P-1650	1	COVER						
	12	1	7X-6034	1	STRAP AS-GROUND						
	13	1	3T-3622	6	CLAMP						
	15	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	16	1	0S-1617	4	BOLT (5/16-18X0.75-IN)						
	17	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)						
	18	1	0S-1594	1	BOLT (3/8-16X1-IN)						
Y	19	1	9Y-6465	1	MAGNETO GP						319
	20	1	9S-8752	1	NUT-FULL (3/8-16-THD)						
Y-SEPARATE ILLUSTRATION											

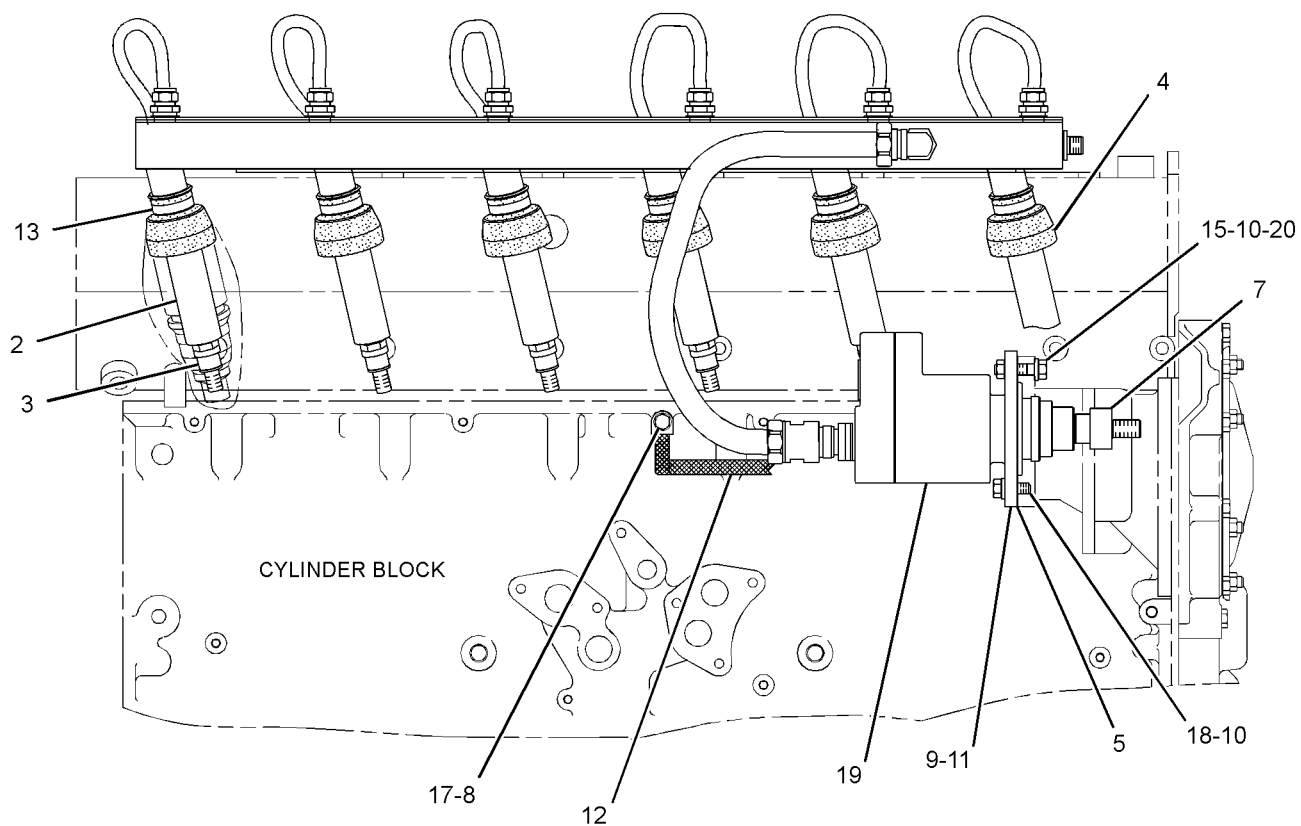
ELECTRICAL AND STARTING SYSTEM

107-2394 IGNITION GP-GAS ENGINE (contd.)

i03021872



TOP VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01416994

ELECTRICAL AND STARTING SYSTEM

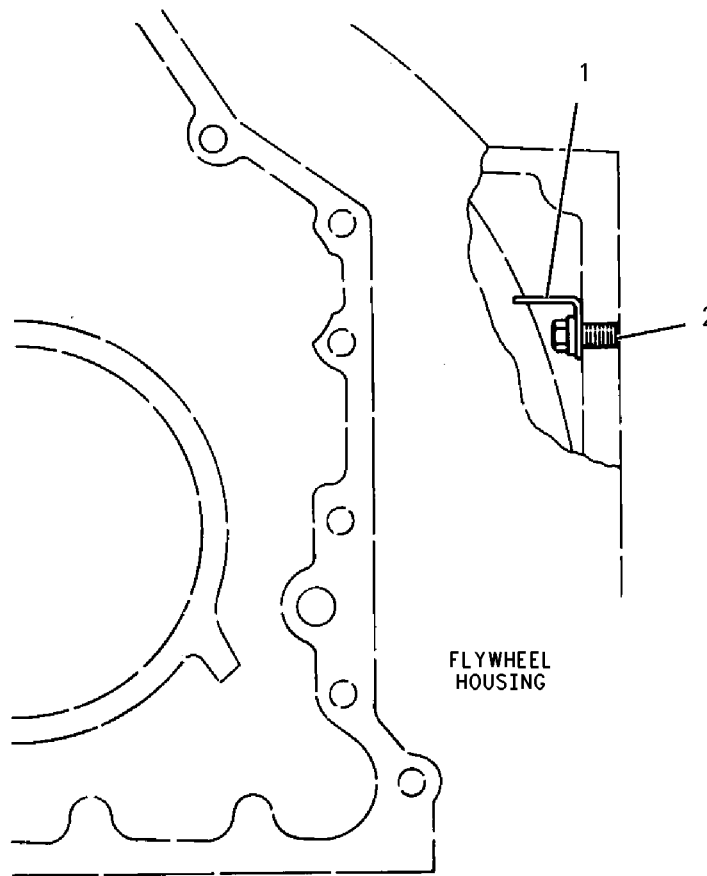
7N-4312 INDICATOR GP-TIMING

AN ATTACHMENT

SMCS-1905

i01791149

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	8N-3161	1	POINTER-TIMING						
C	2	1	0L-1351	1	BOLT (3/8-16X0.875 IN)						
C		1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5MM THK)						
C-CHANGE FROM PREVIOUS TYPE											



REAR VIEW

GRAPHIC #1

<END>

g00917492

ELECTRICAL AND STARTING SYSTEM

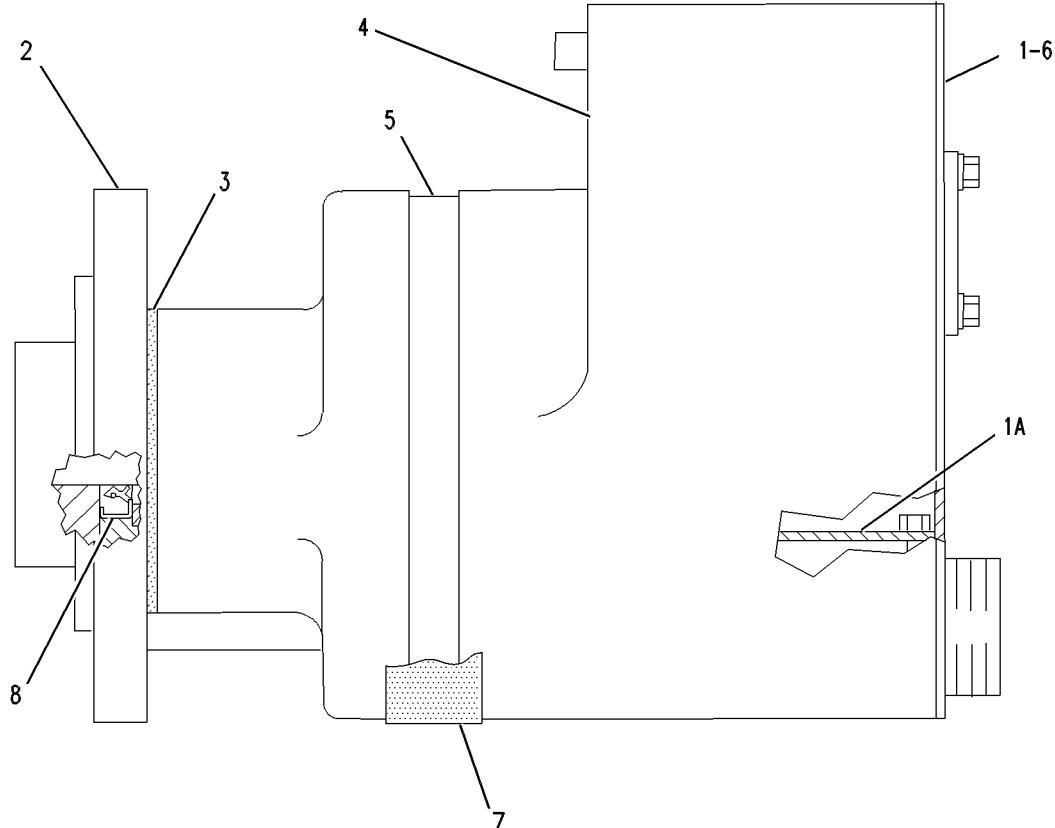
2W-3749 MAGNETO GP

PART OF 107-2391, 107-2393, 2W-4872, 2W-6617 IGNITION GP-GAS ENGINE
AN ATTACHMENT

SMCS-1552

i01982640

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	239-7602	1	COVER AS						
	1A	1	7E-5422	1	BOARD AS-CIRCUIT						
	2	1	2W-6006	1	FLANGE AS-MAGNETO						
	3	1	2W-6007	1	GASKET-FLANGE						
	4	1	2W-5955	1	ALTERNATOR AS-CHARGING						
	5	1	7W-1404	1	STATOR AS-MAGNETO						
	6	1	7W-1406	1	GASKET-COVER						
	7	1	145-9335	1	SEAL						
	8	1	3E-6716	1	SEAL-LIP						
					AVAILABLE REPAIR KIT(S) :						
			7W-4131	1	KIT-ALTERNATOR						
					(INCLUDES GASKETS, BEARINGS, COUPLING, PIN, SCREWS, & COVER)						
			7W-1402	1	KIT-MAGNETO GEAR (INCLUDES 2 GEARS)						
			7W-4130	1	KIT-MAGNETO COUPLER						
					(INCLUDES PIN)						



GRAPHIC #1

<END>

g00483244

ELECTRICAL AND STARTING SYSTEM

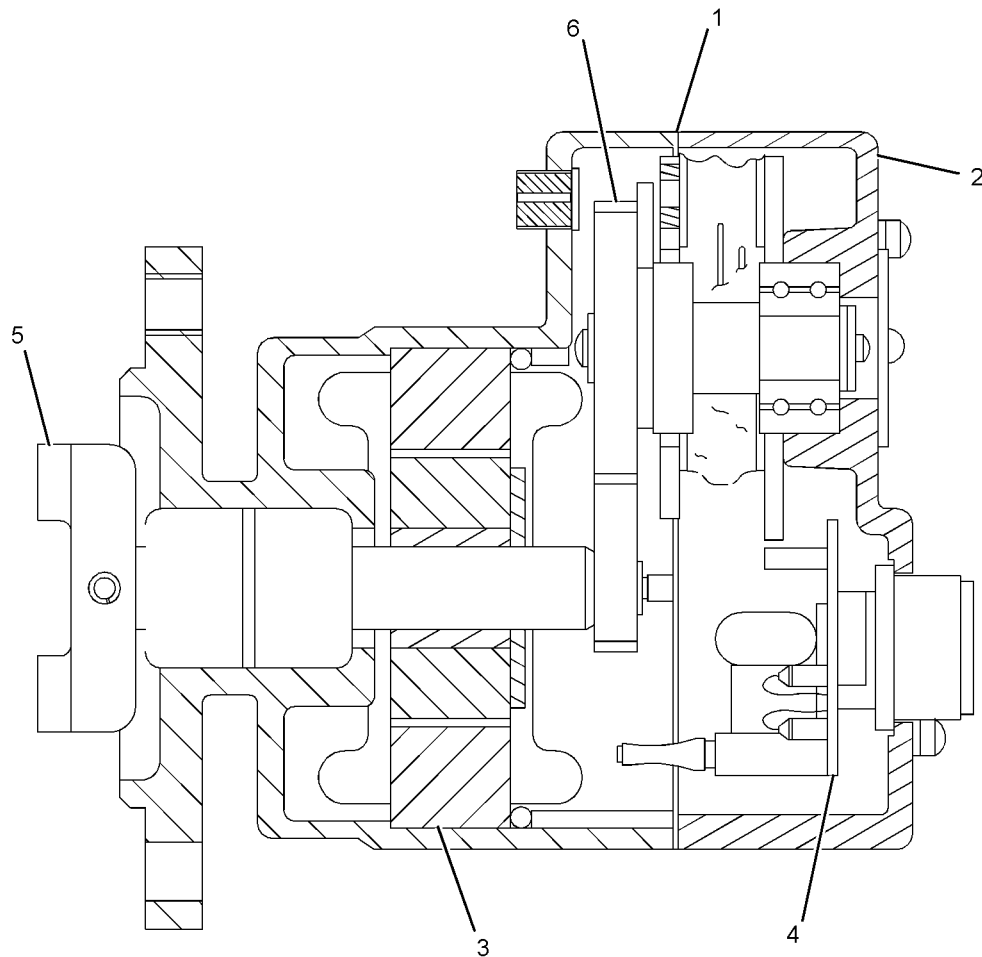
9Y-6465 MAGNETO GP

PART OF 107-2392, 107-2394, 9Y-6491, 9Y-6492 IGNITION GP-GAS ENGINE
AN ATTACHMENT

SMCS-1552

i02540881

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9Y-6458	1	GASKET - COVER						
	2	1	239-7606	1	COVER AS (REAR)						
	3	1	9Y-6459	1	STATOR-MAGNETO						
	4	1	9Y-6462	1	BOARD AS-CIRCUIT						
	5	1	7W-4130	1	KIT-MAGNETO COUPLER						
					(INCLUDES COUPLER AND PIN)						
	6	1	9Y-6463	1	KIT-MAGNETO GEAR						



GRAPHIC #1

<END>

g01272582

ELECTRICAL AND STARTING SYSTEM

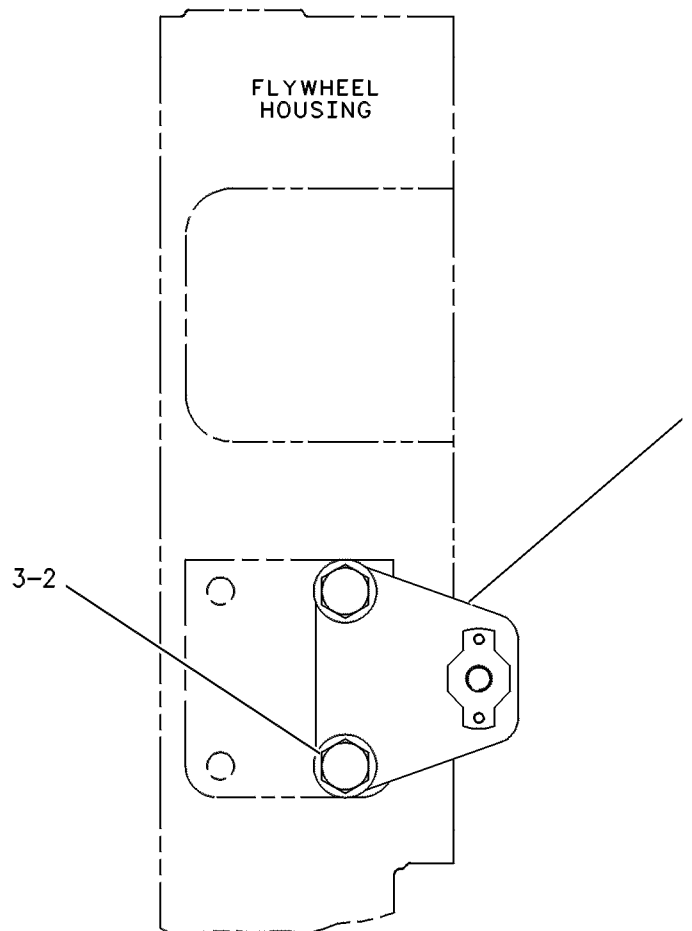
104-9432 MOUNTING GP-CIRCUIT BREAKER

AN ATTACHMENT

SMCS-1420, 4461

i01790034

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7C-4900	1	PLATE						
	2	1	0S-1592	2	BOLT (5/8-11X1.25 IN)						
	3	1	5P-8247	2	WASHER-HARD (17X32X3.5MM THK)						



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g00236170

ELECTRICAL AND STARTING SYSTEM

3N-8806 MOUNTING GP-CONTACTOR

PART OF 3N-8423 CONTACTOR GP-PRESS & TEMP
AN ATTACHMENT

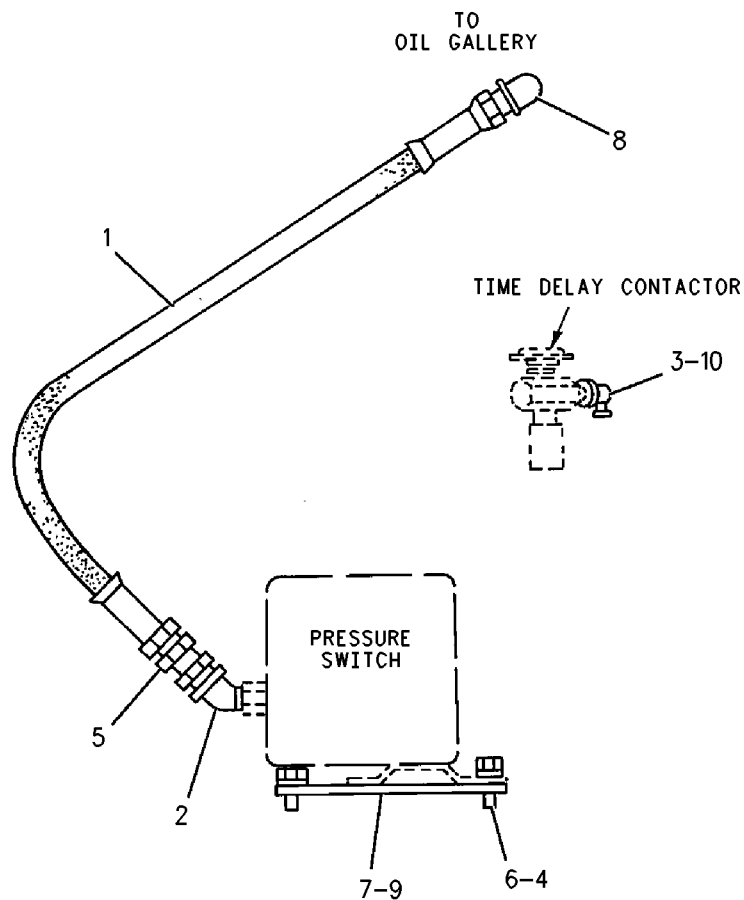
SMCS-7400

i01791156

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	3N-7243	1	HOSE AS (.48M)						
C	2	1	8L-5008	1	ELBOW-PIPE						
C	3	1	2N-1931	1	ELBOW-PIPE						
	4	1	5P-0537	3	WASHER-HARD (7.2X14.5X2-MM THK)						
	5	1	2R-1922	1	CONNECTOR						
	6	1	0S-1613	3	BOLT (1/4-20X0.375-IN)						
	7	1	3N-6245	1	PLATE-MOUNTING						
C	8	1	3B-8822	1	ELBOW						
C	9	1	3B-1915	2	BOLT (3/8-16X1-3/8-IN)						
C	10	1	2D-7325	1	TEE-PIPE						

C- CHANGE FROM PREVIOUS TYPE

I- REFER TO HYDRAULIC INFORMATION SYSTEM



GRAPHIC #1

<END>

g00917767

ELECTRICAL AND STARTING SYSTEM

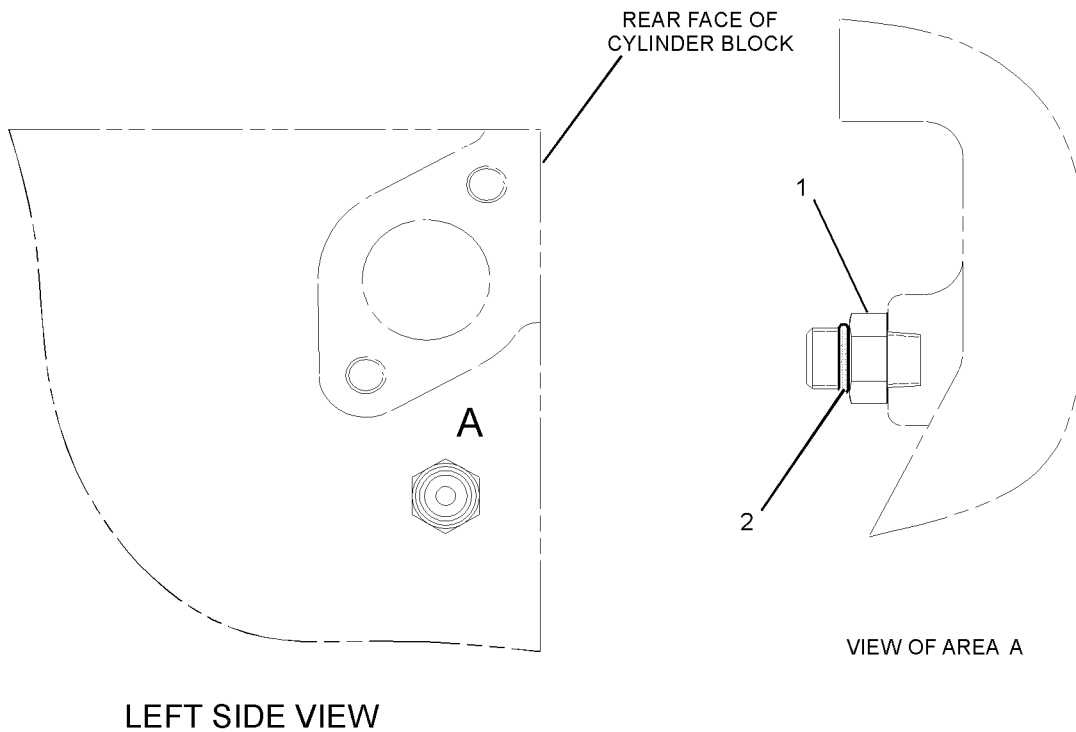
103-1956 MOUNTING GP-CONTACTOR

FOR USE WITH EMPC II
AN ATTACHMENT

SMCS-7400

i02329669

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-0263	1	ADAPTER						
	2	1	3J-7354	1	SEAL-O-RING						



GRAPHIC #1

<END>

g01162985

ELECTRICAL AND STARTING SYSTEM

104-3031 MOUNTING GP-CONTACTOR

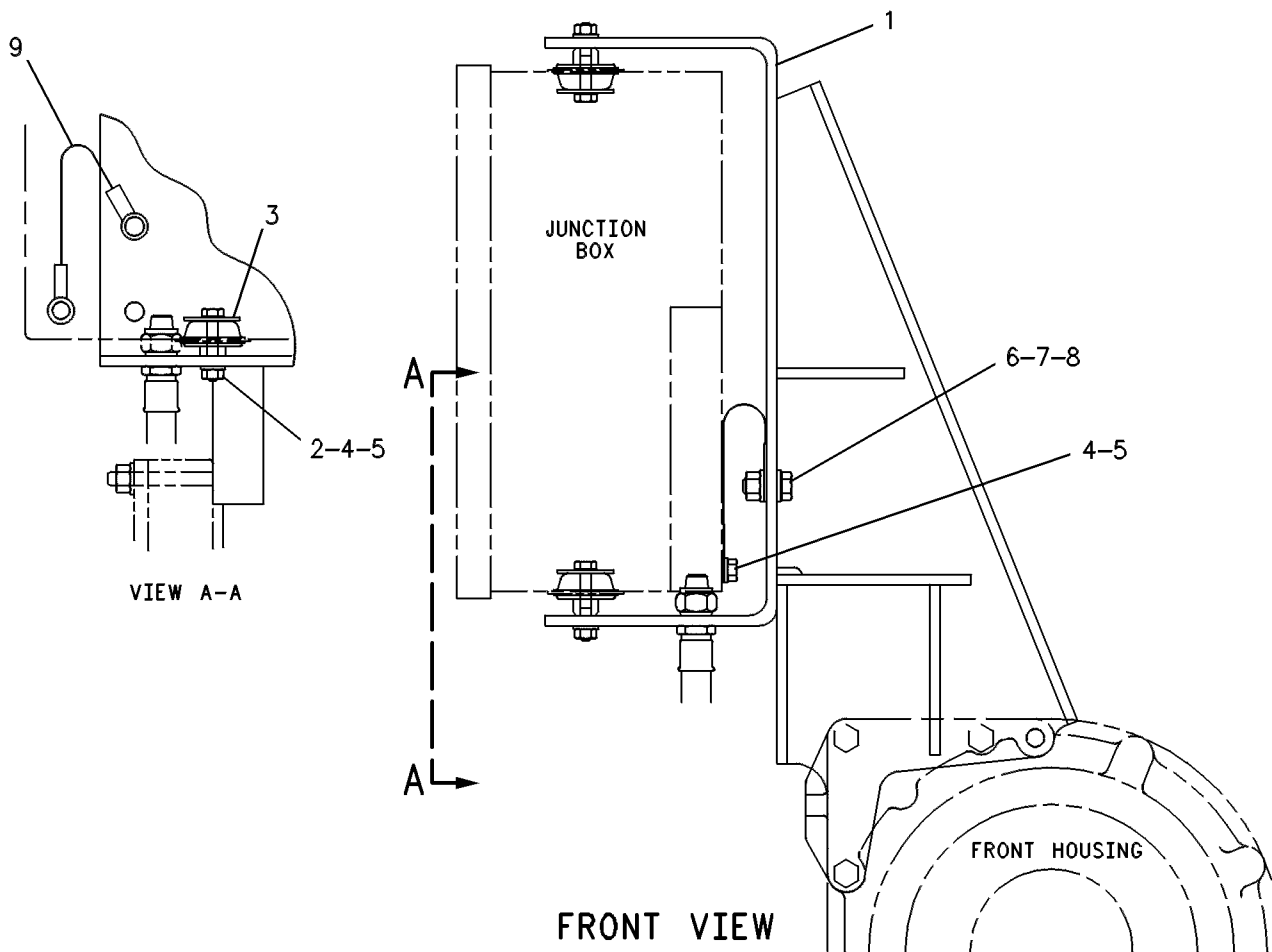
PART OF 101-8636, 103-0699 WIRING GP-ENGINE
AN ATTACHMENT

SMCS-7400

i01790033

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	105-2753	1	SUPPORT AS						
	2	1	7B-8167	4	BOLT (1/4-20X1.625-IN)						
	3	1	2W-8604	4	WASHER (6.5X35X1.5-MM THK)						
	4	1	5P-0537	5	WASHER-HARD (7.2X14.5X2-MM THK)						
	5	1	9S-8750	5	NUT-FULL (1/4-20-THD)						
	6	1	0L-1351	1	BOLT (3/8-16X0.875-IN)						
	7	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	8	1	9S-8752	1	NUT-FULL (3/8-16-THD)						
	9	1	1H-6936	1	WIRE AS						
D		1	5P-6006		TUBE-HEAT SHRINK (9.52-MM DIA) (.1M)						
D		1	5P-5689		WIRE (08-GA, BLACK) (.3M)						

D-ORDER BY THE METER



GRAPHIC #1

<END>

g00236123

ELECTRICAL AND STARTING SYSTEM

6I-4289 MOUNTING GP-JACKET WTR HEATER

AN ATTACHMENT

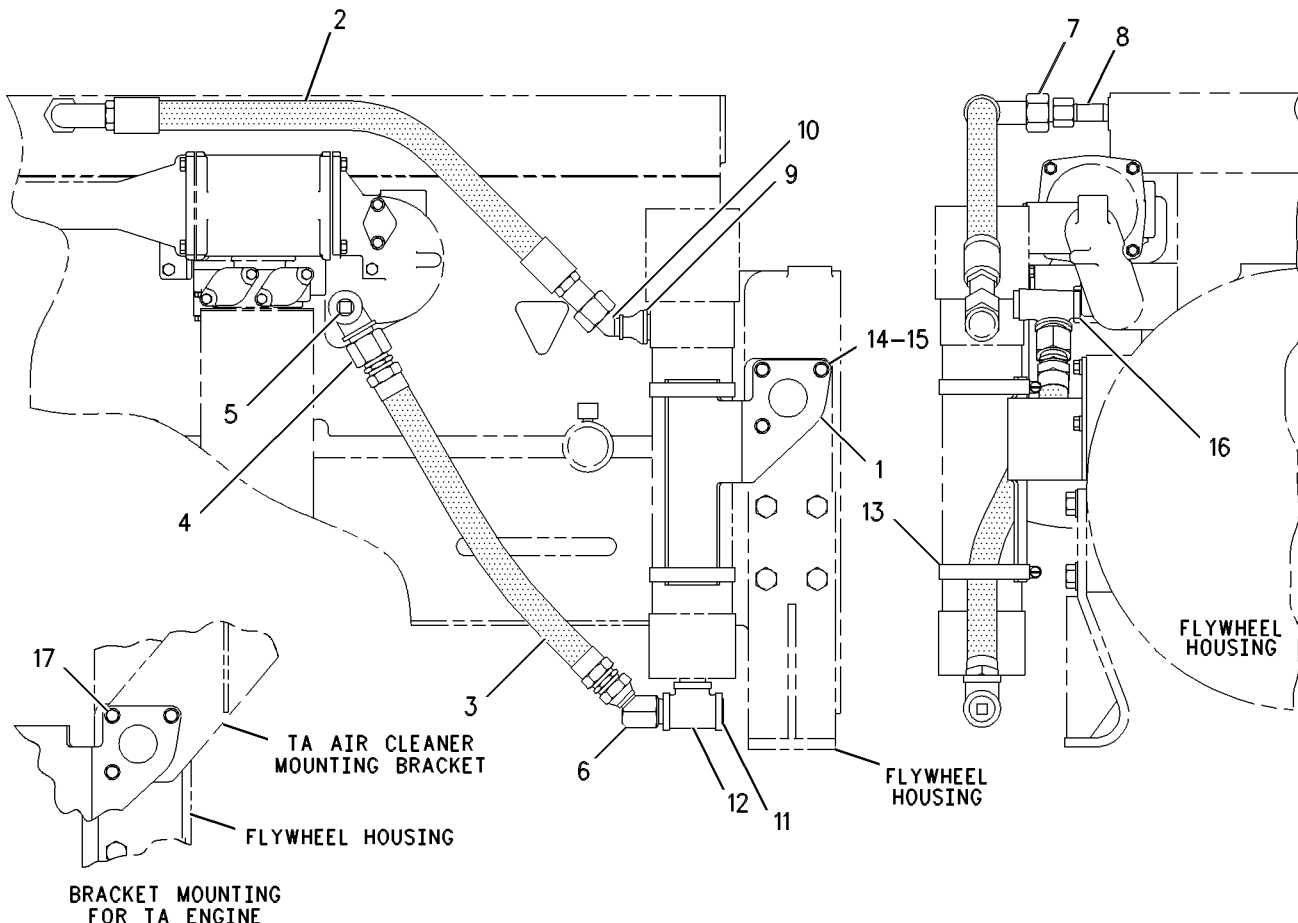
SMCS-1383

i01793935

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-4291	1	BRACKET						
I	2	1	169-5866	1	HOSE AS						
I	3	1	5N-6063	1	HOSE AS						
	4	1	004-5703	1	ADAPTER-PIPE						
	5	1	7X-7731	1	PLUG-PIPE						
	6	1	001-5262	1	ELBOW						
	7	1	6V-1846	1	CONNECTOR						
	8	1	3B-7866	1	NIPPLE-PIPE						
	9	1	5D-5055	1	COUPLING-REDUCER						
	10	1	9L-5254	1	ELBOW						
	11	1	8T-6761	1	PLUG-PIPE						
	12	1	4B-7770	1	TEE						
	13	1	8T-6726	2	CLAMP-HOSE						
B	14	1	0S-1588	3	BOLT (3/8-16X1.25-IN)						
	15	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	16	1	1N-8559	1	TEE-SERVICE						
B	17	1	0L-1351	3	BOLT (3/8-16X0.875-IN)						

B-USE AS REQUIRED

I-REFER TO HYDRAULIC INFORMATION SYSTEM



GRAPHIC #1

<END>

g00610756

ELECTRICAL AND STARTING SYSTEM

158-6181 RELAY GP

24 VOLT DC. 3-POLE

PART OF 158-6171, 158-6172, 318-6263 CONVERSION AR
AN ATTACHMENT

SMCS-1422, 4493

i02825168

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	252-1732	1	BASE-RELAY						
	252-1731	1	MODULE-DIODE						
	223-6470	1	RELAY (10-AMPERE, 24-VOLT)						
	211-0640	1	SPRING (RELAY)						
<END>									

113-7909 SENDER GP

AN ATTACHMENT

SMCS-7400

i01790041

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	8B-2664	1	BUSHING-REDUCER						
	8B-1931	1	BUSHING-REDUCING						
	030-2010	1	SENDER AS-PRESSURE						
	4B-2049	1	NUT (10-32-THD)						
	8F-1434	1	LOCKWASHER						
	8T-0328	1	WASHER-HARD (5.5X10X1-MM THK)						
	6N-5926	1	SENDER AS-TEMPERATURE						
<END>									

ELECTRICAL AND STARTING SYSTEM

105-2048 SENSOR & MTG GP-RADIATOR

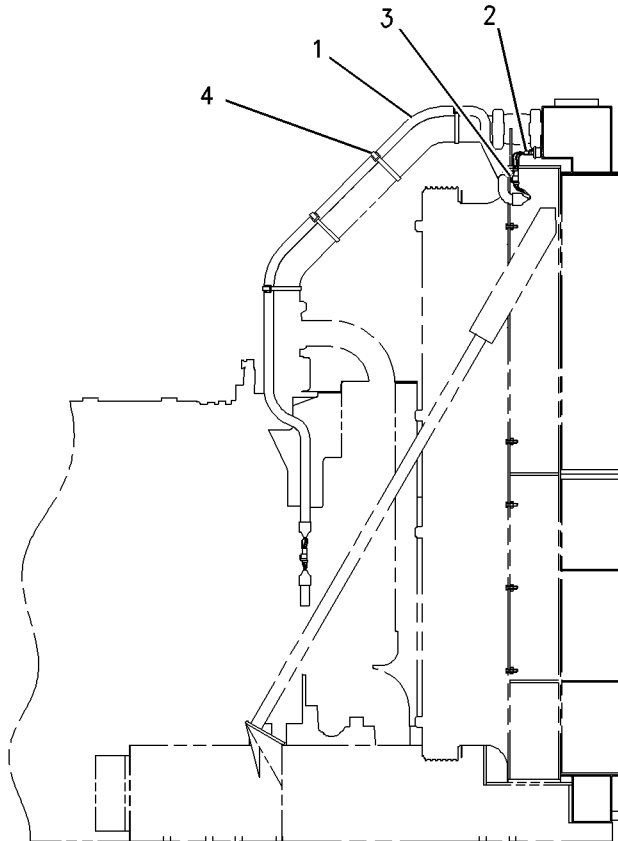
REQUIRES 103-4773 EMCP PANEL AND 46/CV RADIATOR
AN ATTACHMENT

SMCS-1353, 7400

i02706463

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	111-0452	1	HARNESS AS-SENSOR (COOLANT LEVEL)	
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3-PIN)	
		1	102-8803	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	1S-2294	2	BOOT	
		1	155-2260	2	KIT-CONNECTING PLUG (3-PIN)	
					(EACH INCLUDES PLUG ASSEMBLY AND WEDGE)	
D		1	6V-5819		CONDUIT-FLEXIBLE (2.6-M)	
		1	186-3735	3	PIN-CONNECTOR (16-GA TO 18-GA)	
		1	186-3736	3	SOCKET-CONNECTOR (16-GA TO 18-GA)	
		1	8T-8737	3	PLUG-SEAL	
CY	2	1	204-2518	1	SENSOR GP-COOLANT LEVEL	327
	3	1	8M-2773	2	CLIP	
	4	1	7K-1181	4	STRAP-CABLE	

C- CHANGE FROM PREVIOUS TYPE
D- ORDER BY THE METER
Y- SEPARATE ILLUSTRATION



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g00644742

ELECTRICAL AND STARTING SYSTEM

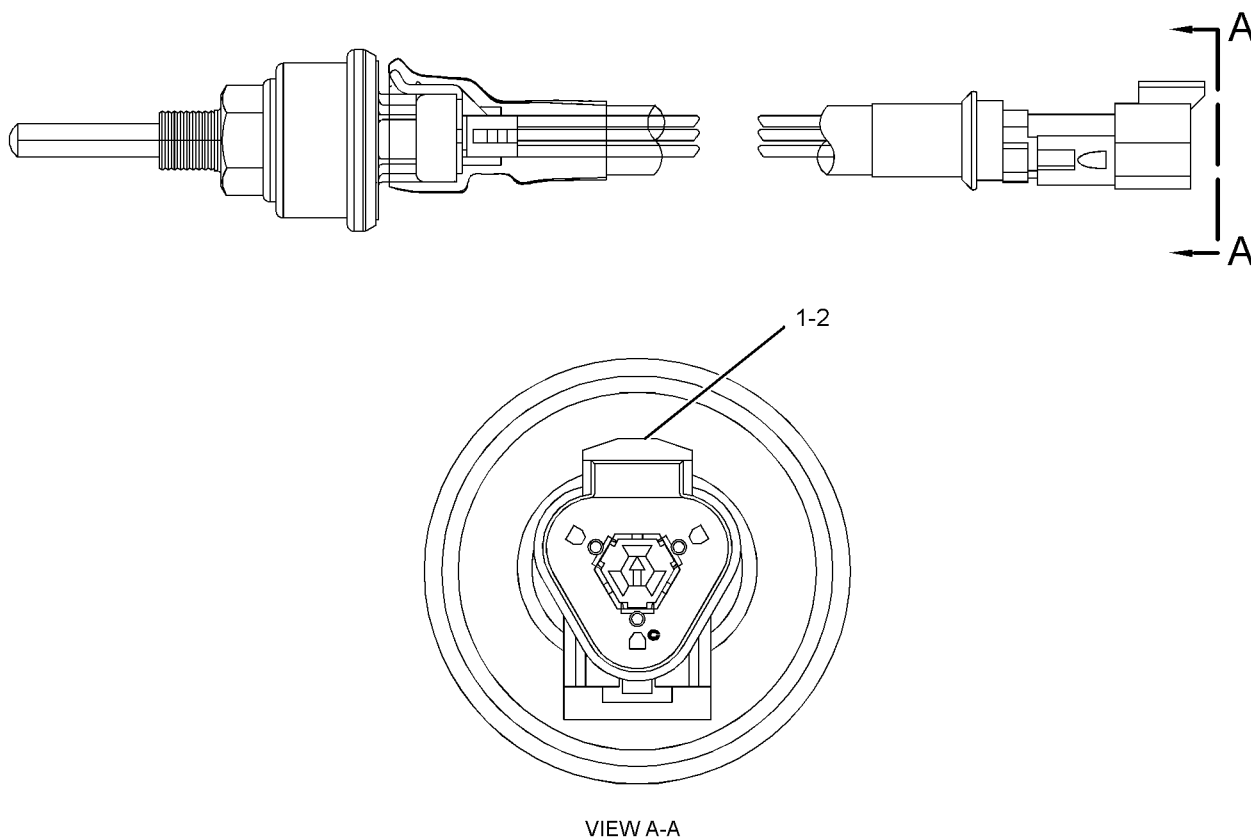
204-2518 SENSOR GP-COOLANT LEVEL

PART OF 105-2048 SENSOR & MTG GP-RADIATOR
AN ATTACHMENT

SMCS-7422

i02585904

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	186-3735	3	PIN-CONNECTOR (16-GA TO 18-GA)						
	2	1	102-8803	1	KIT-RECEPTACLE (3-PIN)						
(INCLUDES RECEPTACLE AS & WEDGE)											



GRAPHIC #1

<END>

g01203130

ELECTRICAL AND STARTING SYSTEM

145 - 2362 SENSOR GP - PRESSURE

PART OF 103-6101 CONTROL GP-ENGINE MONITORING

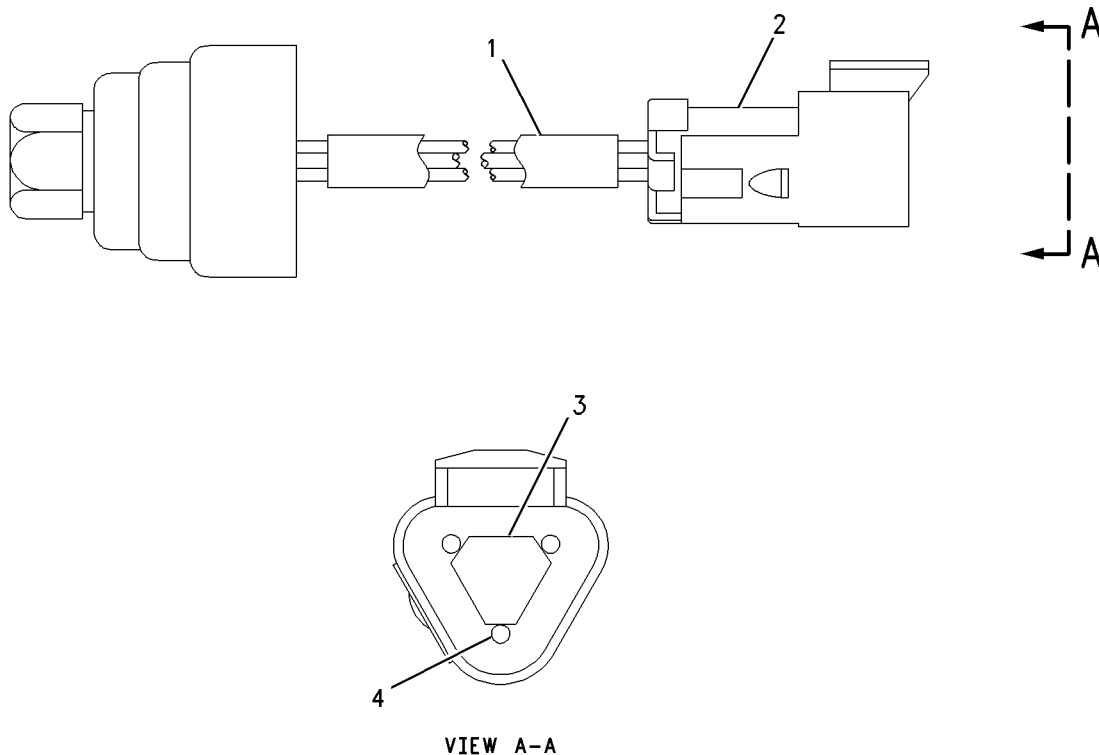
FIELD REPLACEMENT ORDER 216-8684-PAGE 329

AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925

i02762311

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
E	1	1	9X-1813		SLEEVE (14-CM)	
	2	1	102-8803	1	KIT-RECEPTACLE (3-PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3-PIN)	
	4	1	9X-3401	3	PIN-CONNECTOR (16-GA TO 18-GA)	
E - ORDER BY THE CENTIMETER						



GRAPHIC #1

<END>

g00707687

ELECTRICAL AND STARTING SYSTEM

216-8684 SENSOR GP-PRESSURE

PART OF 103-6101 CONTROL GP-ENGINE MONITORING

FIELD REPLACEMENT FOR 145-2362-PAGE 328

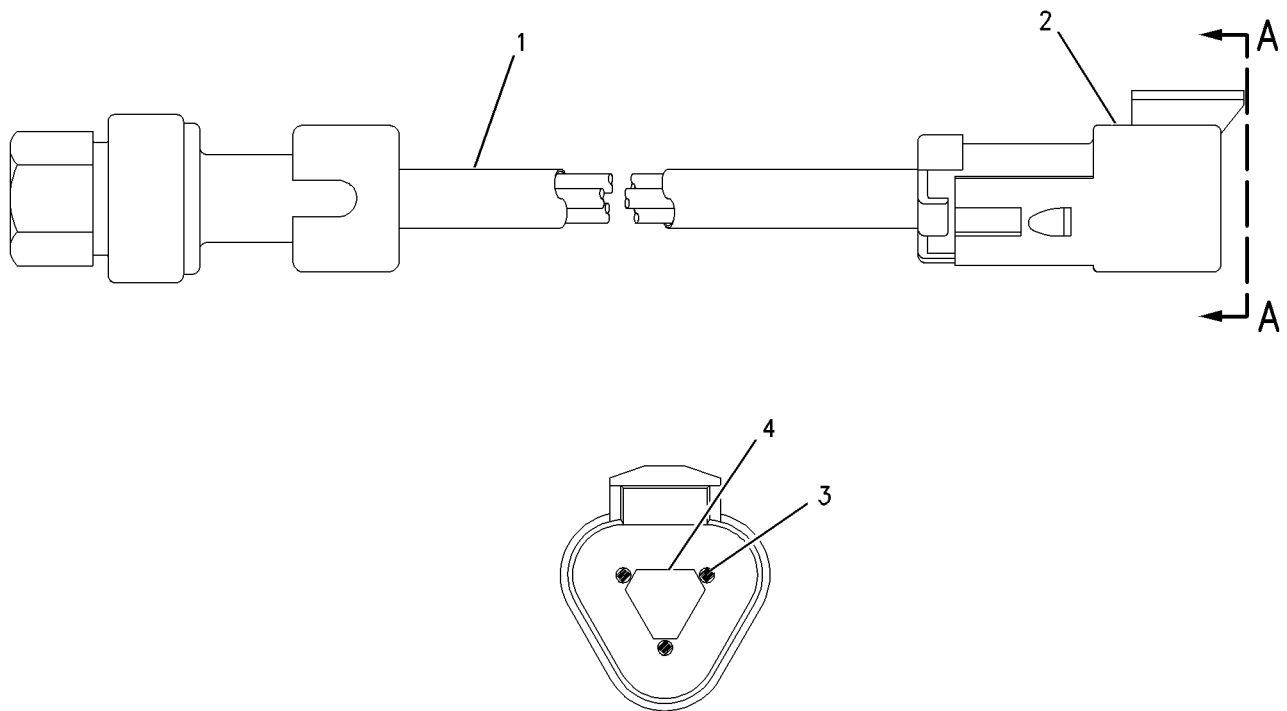
AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925

i02642102

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
E	1	1	9X-1813		SLEEVE (34-CM)						
	2	1	102-8803	1	KIT-RECEPTACLE (3-PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	3	1	180-9339	3	PIN-CONNECTOR (14-GA TO 18-GA)						
	4	1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3-PIN)						

E-ORDER BY THE CENTIMETER



VIEW A-A

GRAPHIC #1

<END>

g00865974

ELECTRICAL AND STARTING SYSTEM

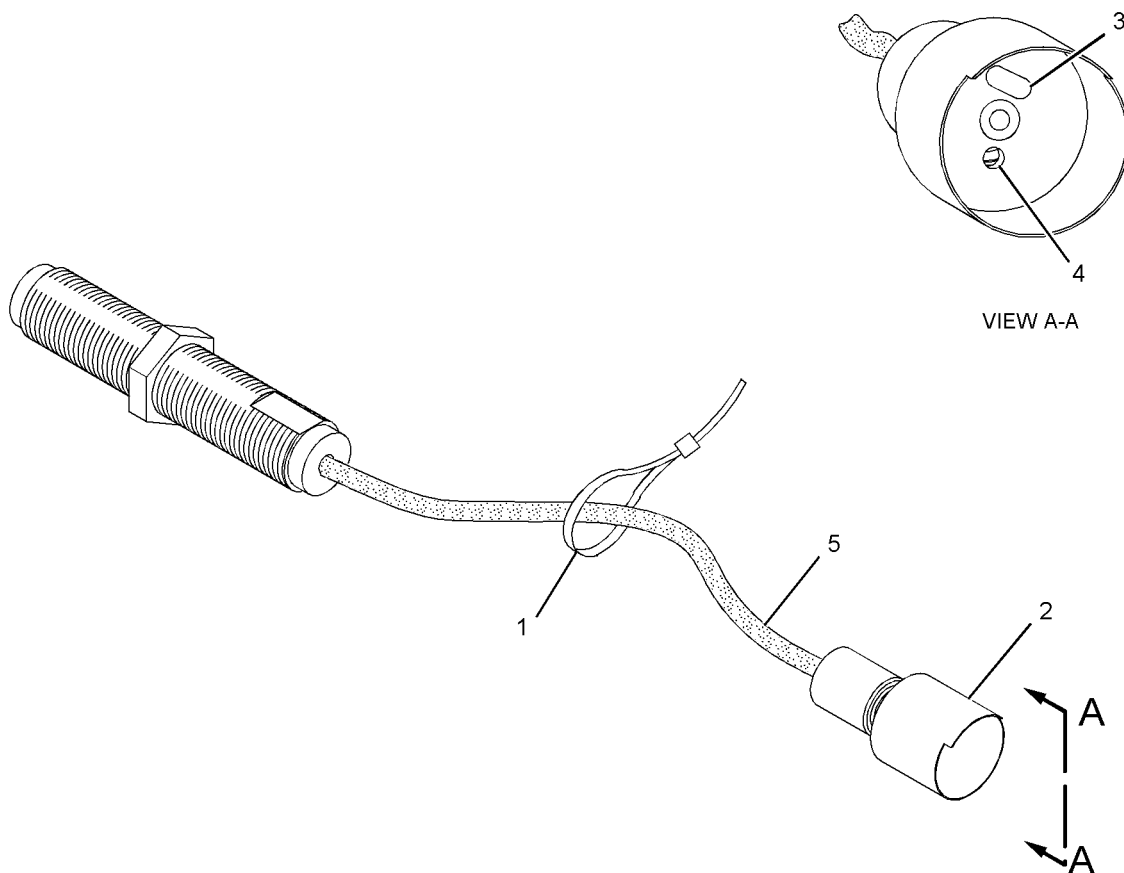
3E-7886 SENSOR GP-SPEED

PART OF 7W-3355 SENSOR GP-SPEED, 6I-3975 SHUTOFF GP-ELECTRICAL
FIELD REPLACEMENT ORDER 189-5746—PAGE 335, 1-155-2270 KIT-CONNECTING PLUG,
2-186-3736 SOCKET-CONNECTOR
AN ATTACHMENT

SMCS-1907

i02707363

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	171-5349	1	STRAP-MARKER						
	2	1	7N-9738	1	HOUSING-RECEPTACLE (14-GA TO 18-GA)						
	3	1	7N-7780	1	PIN-CONNECTOR (14-GA TO 18-GA)						
	4	1	7N-7779	1	SOCKET-CONNECTOR (14-GA TO 18-GA)						
E	5	1	9X-1386		SLEEVE (14-CM)						
E-ORDER BY THE CENTIMETER											



GRAPHIC #1

<END>

g01123339

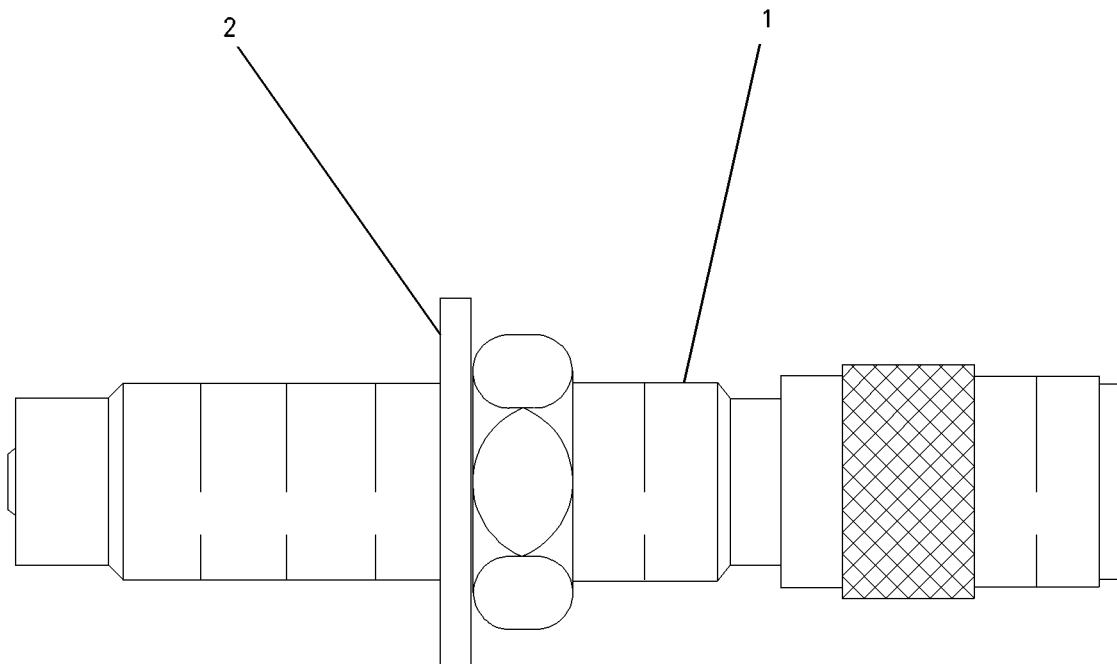
ELECTRICAL AND STARTING SYSTEM

4P-3483 SENSOR GP-SPEED PART OF 4P-5468 CONTROL GP-ENGINE MONITORING AN ATTACHMENT

SMCS-1907

i01459986

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4B-4281	1	WASHER (16.8X33X2.5-MM THK)						
	2	1	8L-4171	1	SENSOR GP-SPEED						



GRAPHIC #1

<END>

g00722623

ELECTRICAL AND STARTING SYSTEM

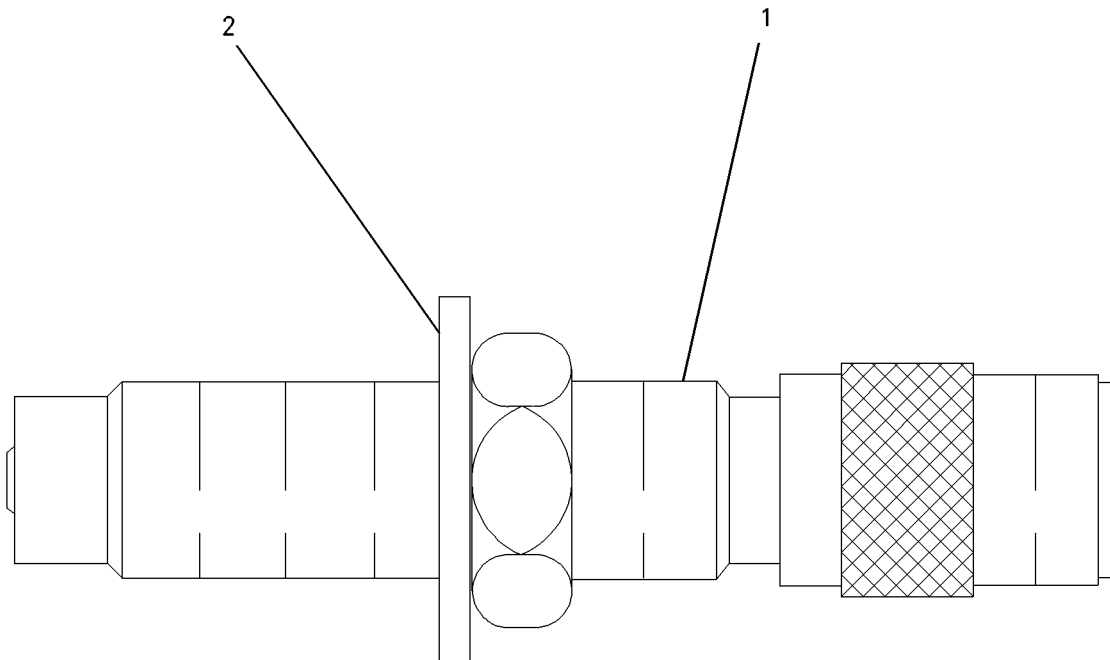
4P-7610 SENSOR GP-SPEED

FOR USE WITH ELECTRONIC MODULAR CONTROL PANEL
AN ATTACHMENT

SMCS-1907

i02601468

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
E	1	1	6V-2455	1	SENSOR GP-SPEED (LOW OUTPUT)						
		1	171-5349	1	STRAP-MARKER						
		1	186-3735	2	PIN-CONNECTOR (16-GA TO 18-GA)						
		1	9X-1386		SLEEVE (14-CM)						
		1	102-8802	1	KIT-RECEPTACLE (2-PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	2	1	8T-4122	1	WASHER-HARD (17X32X3.5-MM THK)						
E-ORDER BY THE CENTIMETER											



GRAPHIC #1

<END>

g00722623

ELECTRICAL AND STARTING SYSTEM

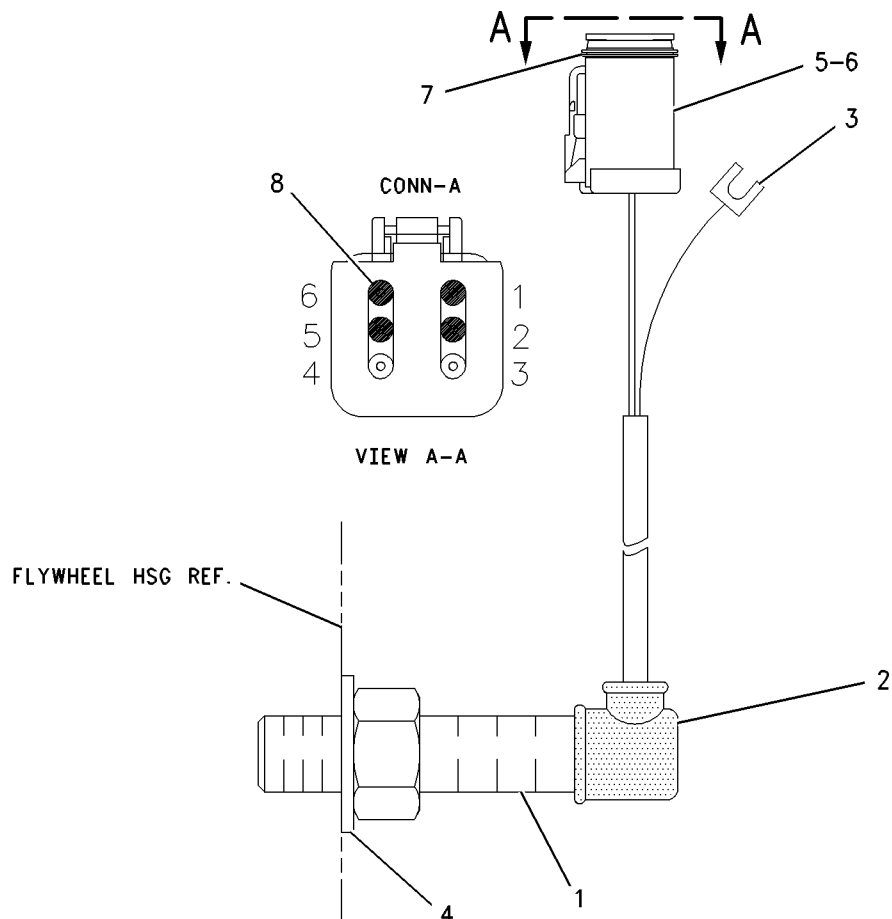
5N-8757 SENSOR GP - SPEED

FOR USE WITH TACHOMETER. CANNOT BE USED WITH DUAL SPEED SWITCH
AN ATTACHMENT

SMCS - 1907

i03021859

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5N-6753	1	SENSOR GP-SPEED (ENGINE)						
	2	1	6L-3483	1	COVER-TERMINAL						
	3	1	9G-3186	1	TERMINAL-BLADE (18-GA TO 22-GA)						
	4	1	4B-4281	1	WASHER (16.8X33X2.5-MM THK)						
	5	1	9X-3402	2	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	6	1	155-2274	1	KIT-CONNECTING PLUG (6-PIN)						
					(INCLUDES PLUG AS AND WEDGE)						
	7	1	155-2263	1	WEDGE-PLUG LOCK (6-PIN)						
	8	1	8T-8737	4	PLUG-SEAL						



GRAPHIC #1

<END>

g00917923

ELECTRICAL AND STARTING SYSTEM

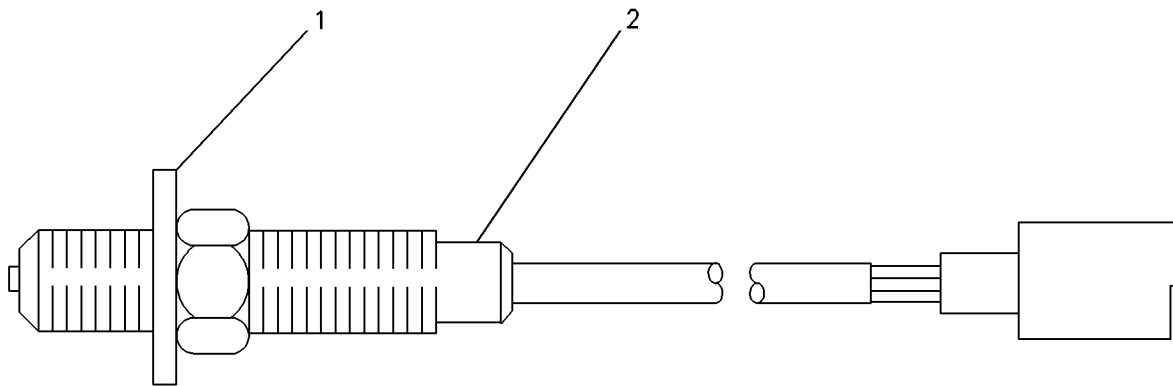
7W-3355 SENSOR GP - SPEED FOR USE WITH ENGINE MOUNTED INSTRUMENT PANEL AN ATTACHMENT

SMCS - 1907

i02422796

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
B	1	1	4B-4281	1	WASHER (16.8X33X2.5-MM THK)	
Y	2	1	3E-7886	1	SENSOR GP-SPEED (ENGINE)	330

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00065532

ELECTRICAL AND STARTING SYSTEM

189-5746 SENSOR GP-SPEED

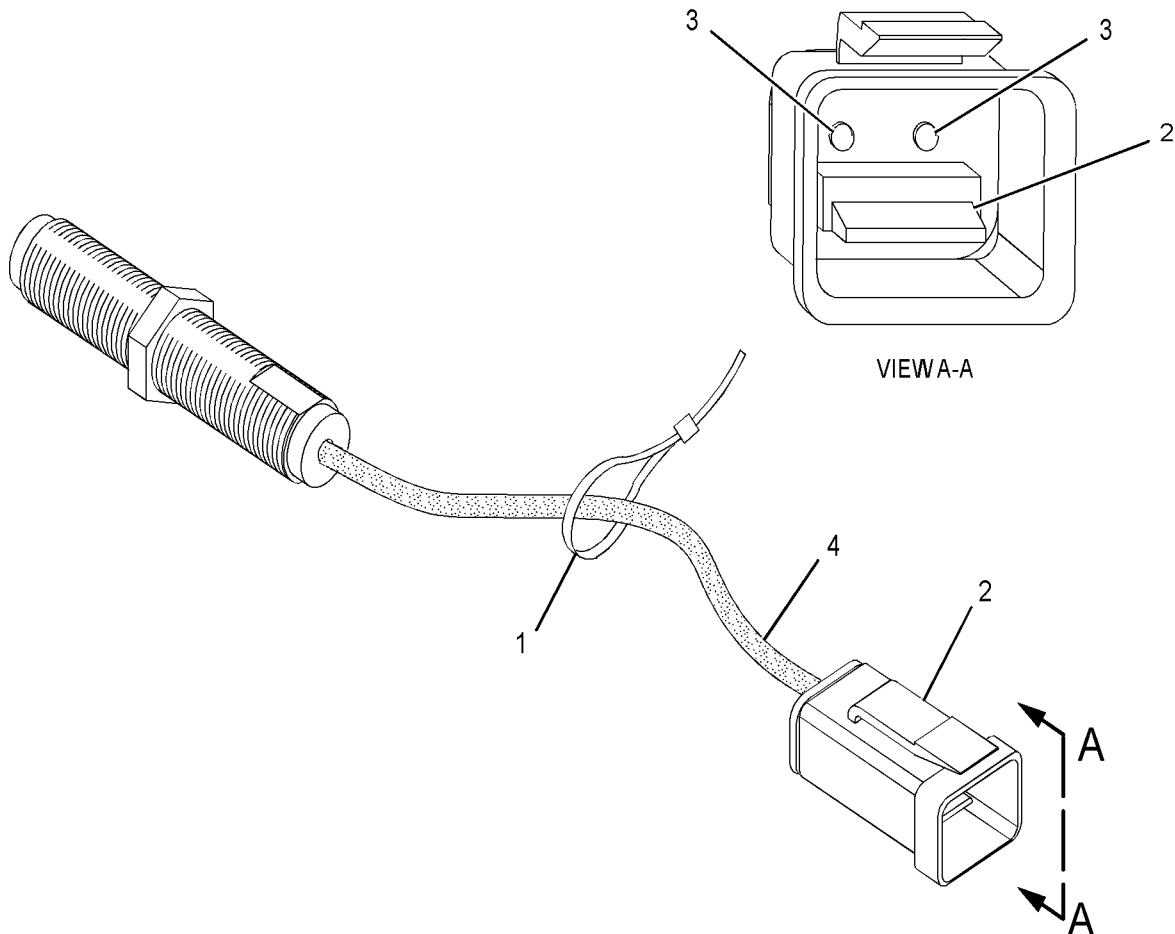
PART OF 206-2588 SENSOR GP-SPEED
FIELD REPLACEMENT FOR 3E-7886-PAGE 330
AN ATTACHMENT

SMCS-1907

i02911637

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	171-5349	1	STRAP-MARKER	
	2	1	102-8802	1	KIT-RECEPTACLE (2-PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	144-1636	2	PIN-CONNECTOR (14-GA TO 18-GA)	
E	4	1	9X-1386		SLEEVE (14-CM)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g01353977

ELECTRICAL AND STARTING SYSTEM

206-2588 SENSOR GP-SPEED

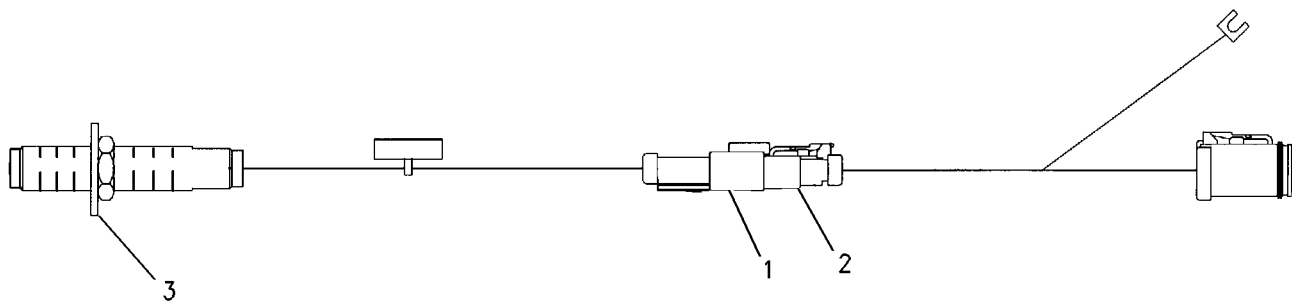
FOR USE WITH TACHOMETER THAT HAS A 6 PIN DEUTSCH CONNECTOR
AN ATTACHMENT

SMCS-1907

i03021877

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	189-5746	1	SENSOR GP-SPEED (ENGINE)						335
	2	1	206-2587	1	HARNESS AS-SENSOR (SPEED)						
		1	155-2270	1	KIT-CONNECTING PLUG (2-PIN)						
					(INCLUDES PLUG AS & WEDGE)						
		1	155-2274	1	KIT-CONNECTING PLUG (6-PIN)						
					(INCLUDES PLUG AS & WEDGE)						
		1	155-2261	1	WEDGE-PLUG LOCK (2-PIN)						
		1	155-2263	1	WEDGE-PLUG LOCK (6-PIN)						
		1	8T-8737	4	PLUG-SEAL						
	3	1	4B-4281	1	WASHER (16.8X33X2.5-MM THK)						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00812323

ELECTRICAL AND STARTING SYSTEM

102-0050 SENSOR GP - TEMPERATURE

8-VOLT, 500-HERTZ

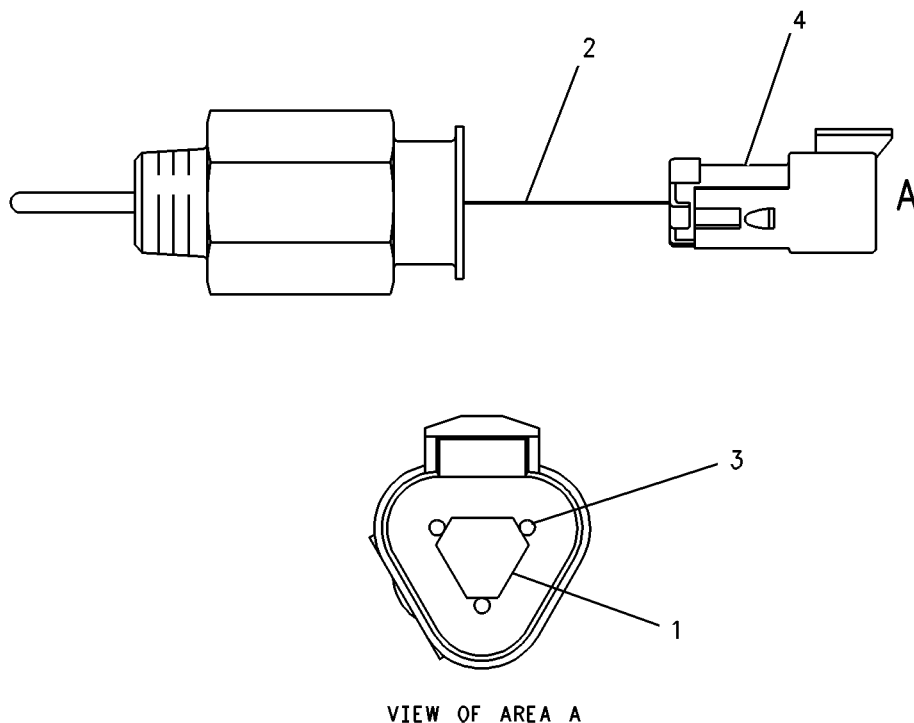
PART OF 103-6101 CONTROL GP-ENGINE MONITORING
AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929

i02762817

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3-PIN)	
E	2	1	9X-1813		SLEEVE (33-CM)	
	3	1	186-3735	3	PIN-CONNECTOR (16-GA TO 18-GA)	
	4	1	102-8803	1	KIT-RECEPTACLE (3-PIN)	
(INCLUDES RECEPTACLE AS AND WEDGE)						

E - ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00876141

ELECTRICAL AND STARTING SYSTEM

6I-3975 SHUTOFF GP-ELECTRICAL

AN ATTACHMENT

SMCS-7418

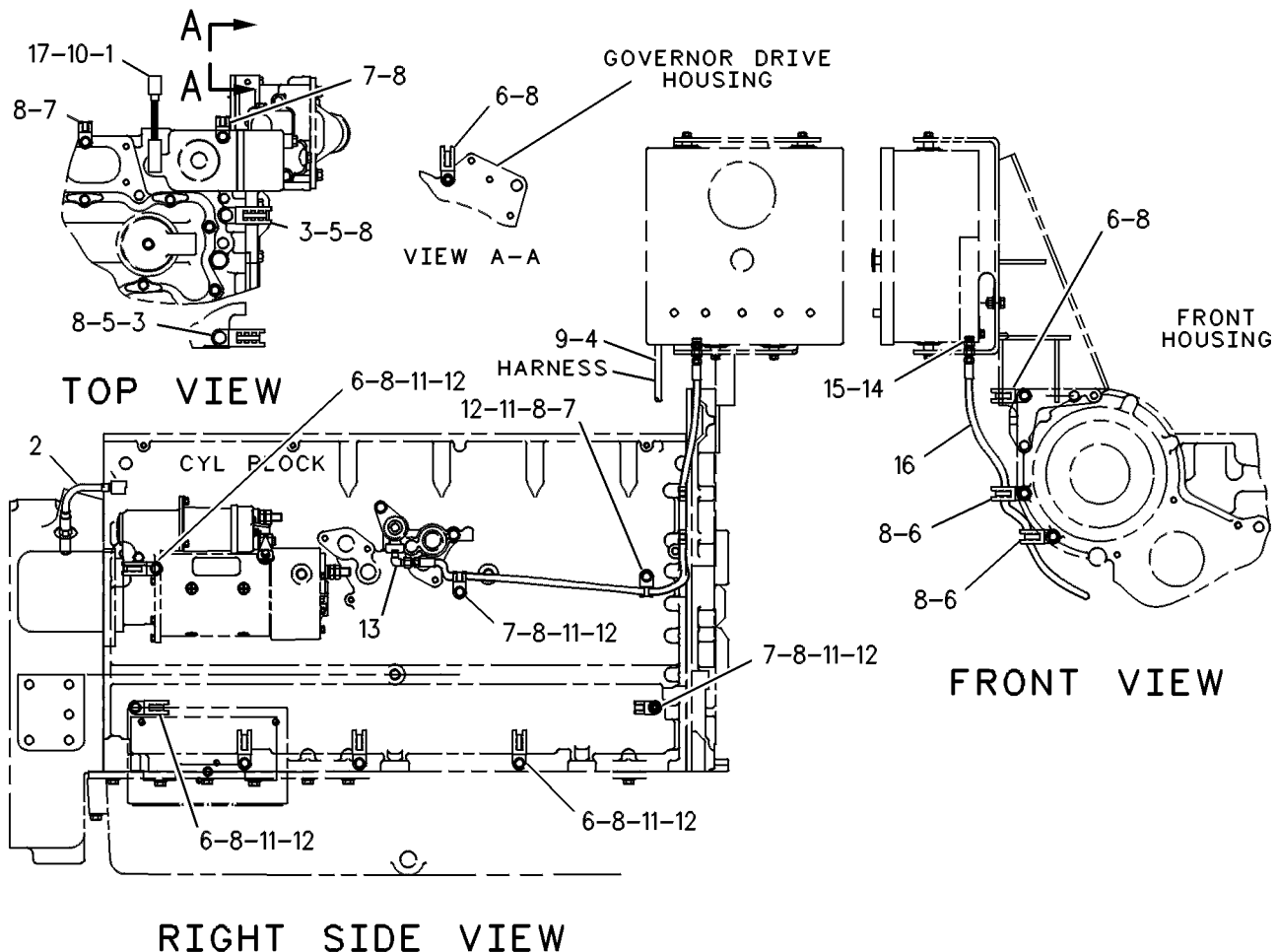
i03021860

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	5N-8857	1	CONTACTOR AS-WATER TEMP	273
Y	2	1	3E-7886	1	SENSOR GP-SPEED (ENGINE)	330
	3	1	4P-7582	2	CLIP	
B	4	1	9X-6772	6	STRAP-CABLE	
	5	1	0S-1620	2	BOLT (1/2-13X0.75-IN)	
	6	1	4P-7581	10	CLIP	
	7	1	4P-8134	6	CLIP	
	8	1	9X-6772	18	STRAP-CABLE	
B	9	1	3S-2093	6	STRAP-CABLE	
	10	1	9G-9153	2	CLIP	
	11	1	0S-1617	9	BOLT (5/16-18X0.75-IN)	
	12	1	9M-1974	9	WASHER-HARD (8.8X16X2-MM THK)	
	13	1	2N-1287	1	ELBOW-FLARED	
	14	1	3J-7354	1	SEAL-O-RING	
	15	1	3J-7352	1	CONNECTOR	
I	16	1	8V-0295	1	HOSE AS	
B	17	1	9G-9151	3	CLIP	

B-USE AS REQUIRED

I-REFER TO HYDRAULIC INFORMATION SYSTEM

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00236240

ELECTRICAL AND STARTING SYSTEM

105-9623 SHUTOFF GP-ELECTRICAL

AN ATTACHMENT

SMCS-7418

i01792885

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1617	9	BOLT (5/16-18X0.75-IN)						
	4P-7581	10	CLIP						
	4P-7582	3	CLIP						
	4P-8134	2	CLIP						
Y	3N-8423	1	CONTACTOR GP-PRESS & TEMP						276
	3S-2093	6	STRAP-CABLE						
	9X-6772	20	STRAP-CABLE						
	9M-1974	9	WASHER-HARD (8.8X16X2-MM THK)						

Y-SEPARATE ILLUSTRATION

<END>

105-9625 SHUTOFF GP-ELECTRICAL

AN ATTACHMENT

SMCS-7418

i01792886

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	0S-1617	9	BOLT (5/16-18X0.75-IN)						
	4P-7581	10	CLIP						
	4P-7582	3	CLIP						
	4P-8134	2	CLIP						
Y	3N-8423	1	CONTACTOR GP-PRESS & TEMP						276
	7S-1197	1	SCREW-MACHINE (8-32X0.5-IN)						
	3S-2093	6	STRAP-CABLE						
	9X-6772	20	STRAP-CABLE						
	9M-1974	9	WASHER-HARD (8.8X16X2-MM THK)						

Y-SEPARATE ILLUSTRATION

<END>

111-7760 SHUTOFF GP-ELECTRICAL

ENERGIZE TO RUN

PART OF 103-4773 PANEL AR-CONTROL

AN ATTACHMENT

SMCS-7418

i02762864

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	111-1325	1	BLOCK-CONTACT (2-POLE)						
	111-1324	1	BLOCK-CONTACT						
B	4W-8790	1	BLOCK-FUSE						
	106-8848	1	DIODE AS-SUPPRESSOR						
	4S-1988	2	TERMINAL						
D	6V-1614		TUBE-HEAT SHRINK (9.52-MM DIA) (0.1-M)						
B	9Y-9781	1	FILM-IDENTIFICATION (FUSE) (20-AMPERE DC)						
B	8M-0456	1	FUSE (20-AMPERE)						
B	9Y-2921	2	RELAY (24-VOLT)						
	109-6507	1	SWITCH AS-PUSH BUTTON (EMERGENCY STOP)						

B-USE AS REQUIRED
D-ORDER BY THE METER

<END>

ELECTRICAL AND STARTING SYSTEM

111-7761 SHUTOFF GP-ELECTRICAL

ENERGIZE TO SHUTOFF

PART OF 103-4773 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7418

i02764010

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	102-8619	1	CONTROL GP-EMCP ELECTRONIC						392
	111-1324	1	BLOCK-CONTACT						
	111-1323	2	BLOCK-CONTACT						
	4W-8790	1	BLOCK-FUSE						
	9Y-9782	1	FILM-IDENTIFICATION (10-AMPERE FUSE)						
	3K-8782	1	FUSE (10-AMPERE)						
	9Y-2921	1	RELAY (24-VOLT)						
	109-6507	1	SWITCH AS-PUSH BUTTON (EMERGENCY STOP)						
Y-SEPARATE ILLUSTRATION									

<END>

ELECTRICAL AND STARTING SYSTEM

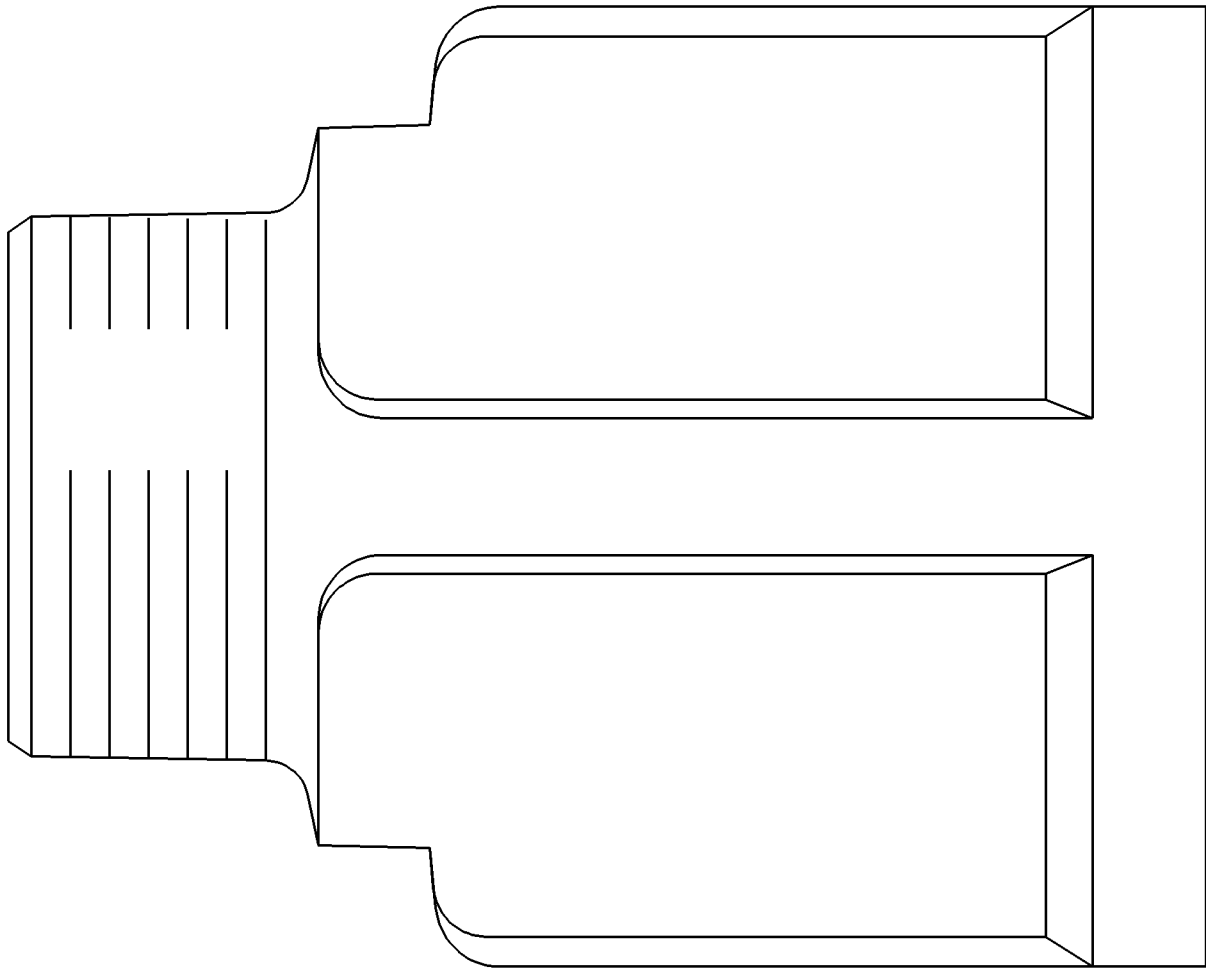
2W-3560 SILENCER GP-AIR STARTING

1 1/2 - 11 1/2 NPT THREAD
FOR USE WITH 7W-9654-PAGE 342
AN ATTACHMENT

SMCS-1468

i01407315

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g00741515

ELECTRICAL AND STARTING SYSTEM

7W-9654 STARTING MOTOR GP-AIR

FOR USE WITH 2W-3560-PAGE 341

AN ATTACHMENT

SMCS-1451

i01896075

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	9L-4652	1	HOSE AS	
	2	1	4B-7770	1	TEE	
	3	1	4D-3967	1	BUSHING-REDUCER	
	4	1	6V-1813	1	FITTING	
	5	1	4N-3410	1	VALVE AS-CONTROL (STARTING)	
	6	1	2W-0629	1	KNOB-ENGINE START	
	7	1	9M-2904	1	CLAMP-HOSE	
	8	1	1H-0690	1	STRIP-FELT	
	9	1	6N-2430	1	NIPPLE-PIPE	
I	10	1	3N-4579	2	HOSE AS	
	11	1	4M-5317	1	BUSHING-REDUCING	
	12	1	3D-8884	1	ELBOW	
	13	1	7M-9544	1	VALVE (AIR STARTING MOTOR)	
	14	1	3B-7749	2	NIPPLE-PIPE	
	15	1	4L-3124	1	LUBRICATOR GP-AIR MOTOR	
	16	1	3L-9071	1	ELBOW-REDUCING	
	17	1	3B-7750	1	FITTING	
	18	1	8S-2332	1	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
Y	19	1	7W-9655	1	STARTING MOTOR GP-AIR	344
	20	1	5J-7303	2	ELBOW	
	21	1	7J-8902	2	BOLT-12 POINT HEAD (5/8-11X1.5-IN)	
	22	1	2W-1816	1	BRACKET AS	
		1	1K-3047	1	WASHER (17.5X28.6X3-MM THK)	
	23	1	2S-5658	2	WASHER-HARD (17X29X3-MM THK)	
	24	1	4H-7869	1	GASKET	

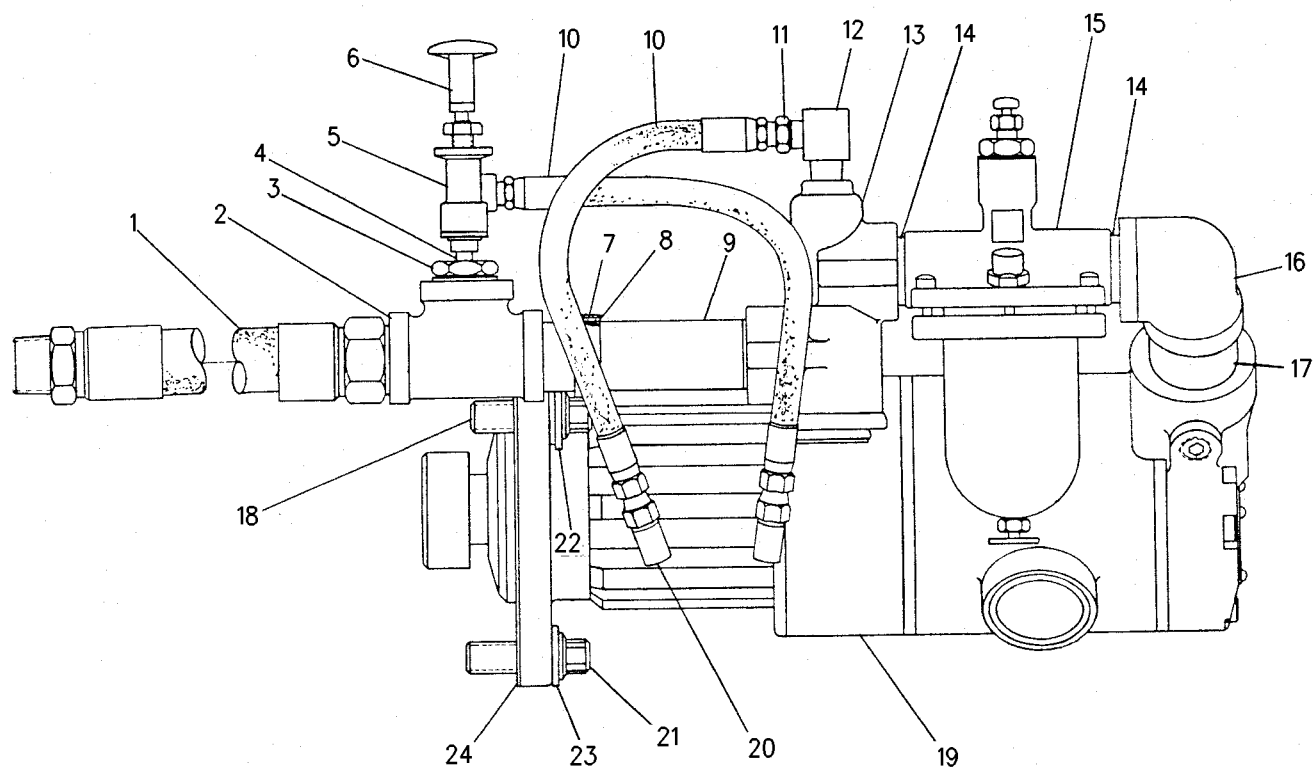
I-REFER TO HYDRAULIC INFORMATION SYSTEM

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

7W-9654 STARTING MOTOR GP-AIR (contd.)

i01896075



GRAPHIC #1

<END>

g00917533

ELECTRICAL AND STARTING SYSTEM

7W-9655 STARTING MOTOR GP-AIR

PART OF 7W-9654 STARTING MOTOR GP-AIR
AN ATTACHMENT

SMCS-1451

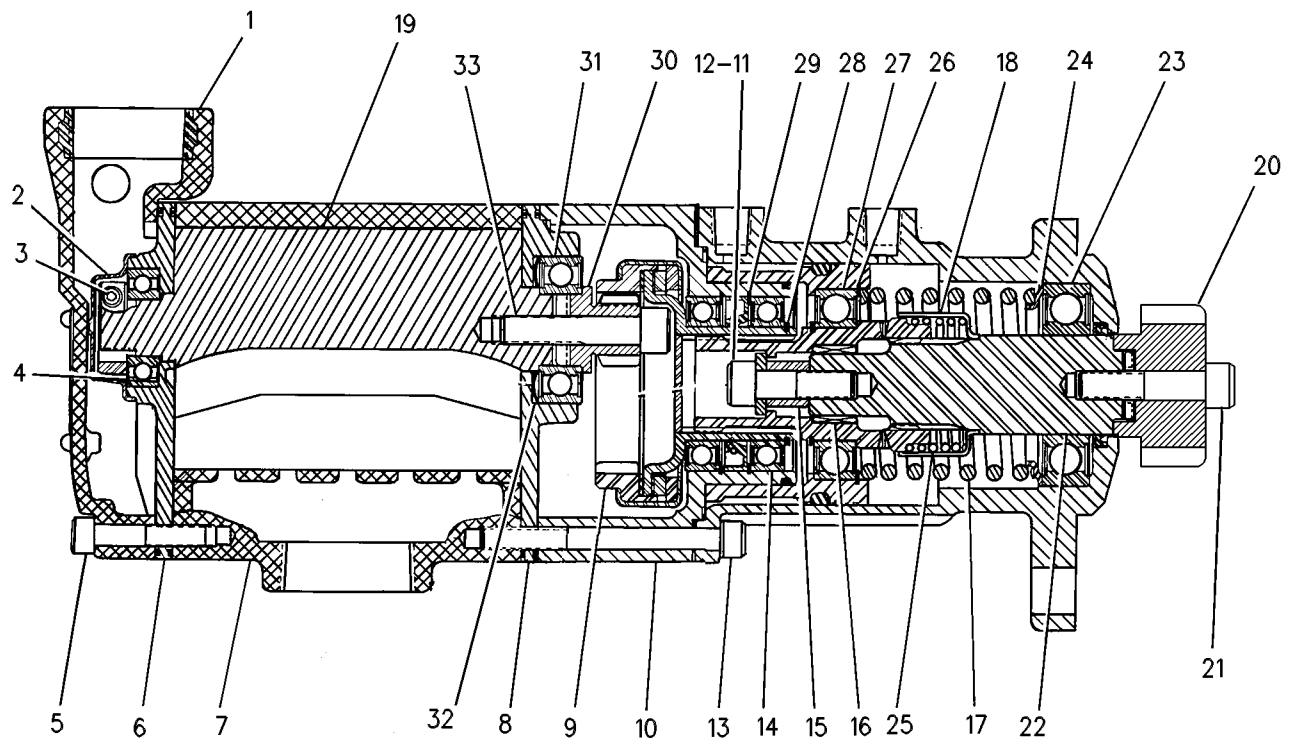
i01879561

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	7W-0510	1	COVER AS	
	2	1	7W-0517	1	COVER-ROTOR NUT	
	3	1	7W-0516	1	NUT-ROTOR CLAMP	
	4	1	8T-2182	1	BALL BEARING	
M	5	1	6V-5193	4	BOLT-SOCKET HEAD (M8X1.25X40-MM)	
	6	1	7W-0511	1	PLATE-REAR END	
	7	1	7W-0512	1	HOUSING AS-CYLINDER	
	8	1	7W-0513	1	PLATE-FRONT END	
	9	1	7W-0521	1	GEAR AS (27-TEETH)	
	10	1	7W-0520	1	CASE-GEAR	
M	11	1	8T-0271	1	BOLT-SOCKET HEAD (M10X1.5X35-MM)	
	12	1	7W-0534	1	WASHER (10.3X22.2X4-MM THK)	
M	13	1	8T-2224	4	BOLT-SOCKET HEAD (M8X1.25X85-MM)	
	14	1	8T-0727	2	BALL BEARING	
	15	1	7W-0533	1	SPACER (10.3X16X15-MM THK)	
	16	1	8T-0726	1	BEARING-ROLLER	
	17	1	7W-0530	1	SPRING-RETURN	
	18	1	7W-0529	1	CUP-SPRING	
	19	1	7W-0514	1	ROTOR	
	20	1	124-4433	1	PINION-DRIVE (12-TEETH)	
M	21	1	8T-2223	1	BOLT-SOCKET HEAD (M10X1.5X45-MM)	
	22	1	7W-0532	1	SHAFT-DRIVE	
	23	1	060-7519	1	BALL BEARING	
	24	1	7W-0531	1	SEAT-SPRING	
	25	1	7W-0528	1	SPRING-CLUTCH	
	26	1	8T-2191	1	RING-RETAINING	
	27	1	8T-0728	1	BALL BEARING	
	28	1	2L-6965	2	RING-RETAINING	
	29	1	8T-2190	2	RING-RETAINING	
	30	1	7W-0519	1	PINION-ROTOR	
	31	1	1S-7056	1	BALL BEARING	
	32	1	7W-0518	2	WASHER-WAVE	
M	33	1	8T-1160	1	BOLT-SOCKET HEAD (M10X1.5X50-MM)	
AVAILABLE REPAIR KIT(S) :						
			7W-0523	1	KIT-PISTON (AIR STARTING MOTOR) (INCLUDES O-RING)	
			7W-0525	1	KIT-JAW CLUTCH (AIR STARTING MOTOR) (INCLUDES SPLINES & BEARING)	
			7W-0538	1	KIT-DRIVE (AIR STARTING MOTOR) (AIR STARTING MOTOR) (INCLUDES GASKET, O-RING, HOUSING, SEAL, BEARING, BOLTS AND WASHERS)	
			7W-0540	1	KIT-SEAL & VANE (AIR STARTING MOTOR) (INCLUDES O-RINGS, VANE GASKET, SEALS AND WASHER)	
M-METRIC PART						

ELECTRICAL AND STARTING SYSTEM

7W-9655 STARTING MOTOR GP-AIR (contd.)

i01879561



GRAPHIC #1

<END>

g00257945

ELECTRICAL AND STARTING SYSTEM

1W-5516 STARTING MOTOR GP-ELECTRIC

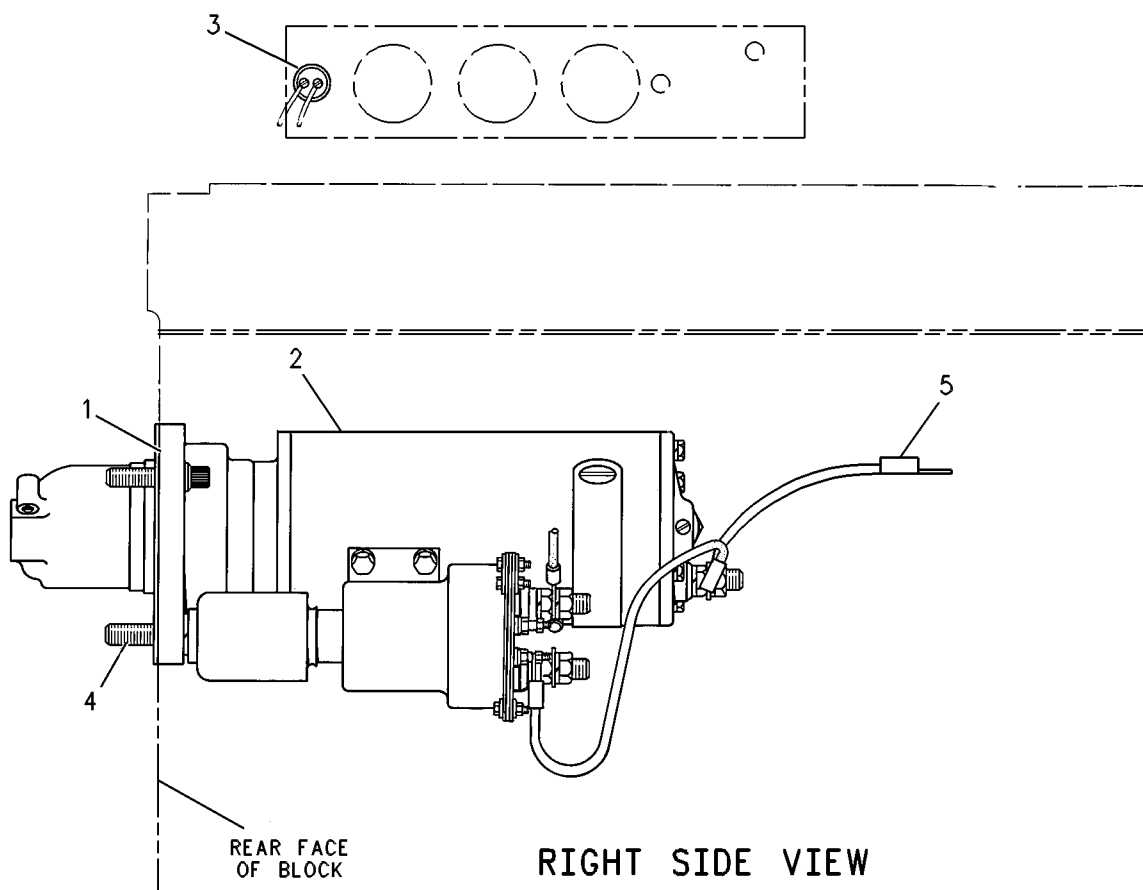
24 VOLT
AN ATTACHMENT

SMCS-1453

i03021856

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4H-7869	1	GASKET						
CY	2	1	207-1558	1	STARTING MOTOR GP-ELECTRIC						356
	3	1	8L-5000	1	SWITCH-PUSH (START)						
	4	1	8S-2332	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)						
	5	1	9F-4337	1	WIRE AS						

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00264701

ELECTRICAL AND STARTING SYSTEM

6V-5538 STARTING MOTOR GP-ELECTRIC

24-VOLT

PART OF 207-1560 STARTING MOTOR GP-ELECTRIC
FIELD REPLACEMENT ORDER 207-1560-PAGE 358

SMCS-1453

i02214669

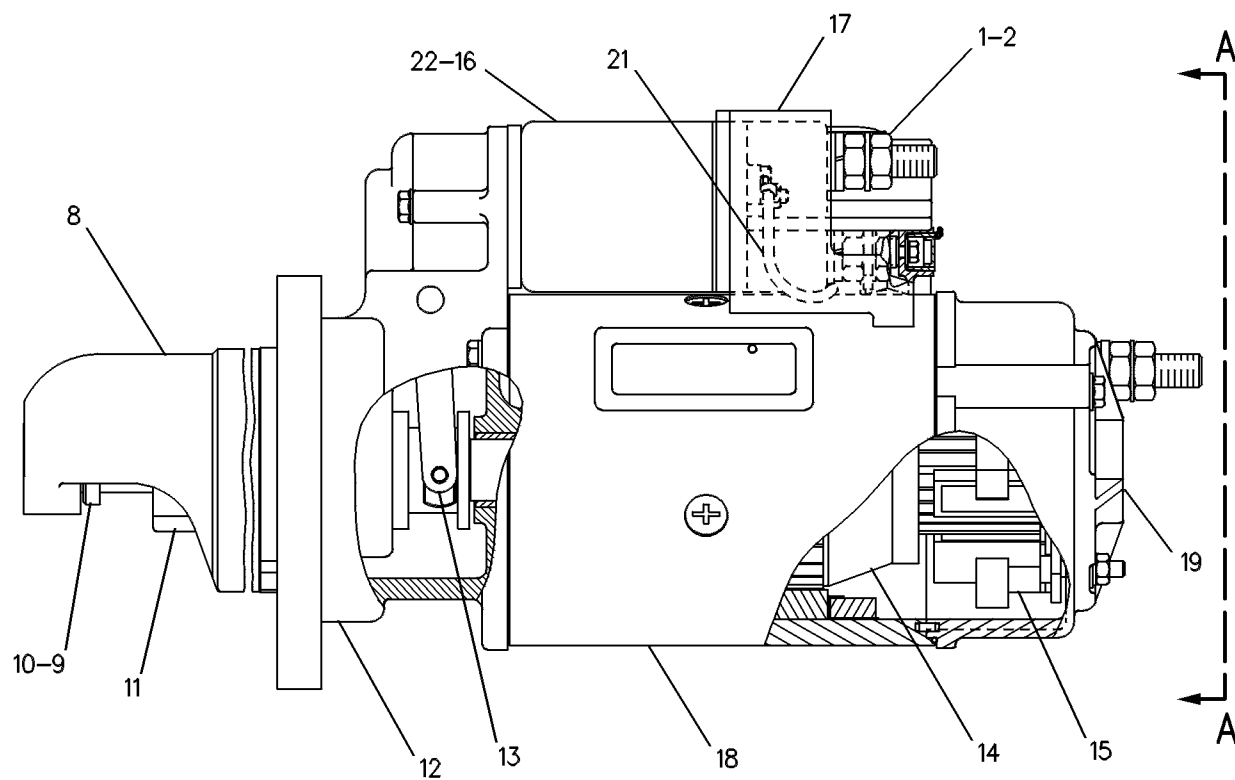
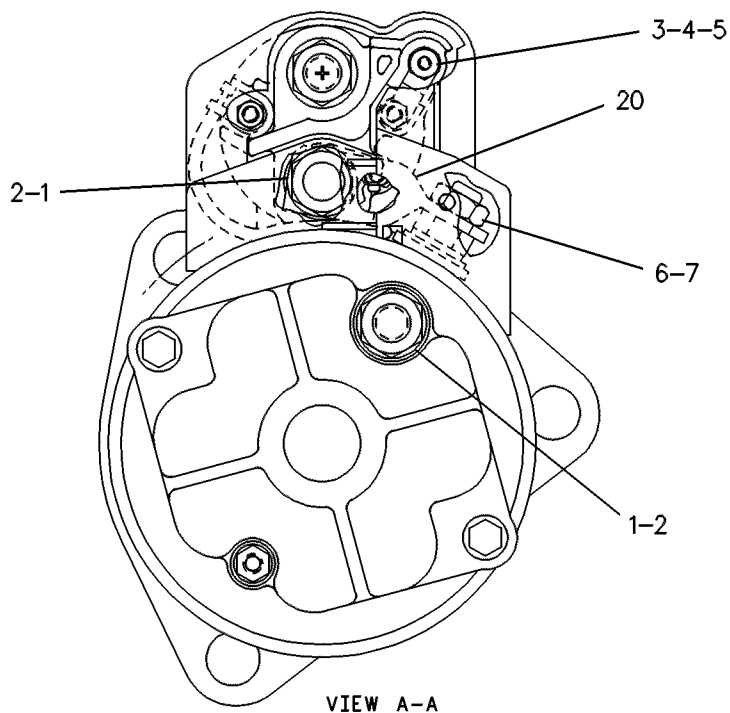
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-8188	3	NUT (1/2-13-THD)						
	2	1	7X-0562	3	WASHER-HARD (13.5X19X0.8-MM THK)						
	3	1	4B-2049	1	NUT (10-32-THD)						
	4	1	8F-1434	1	LOCKWASHER						
	5	1	8T-0328	1	WASHER-HARD (5.5X10X1-MM THK)						
M	6	1	8T-4133	1	NUT (M10X1.5-THD)						
	7	1	8T-4121	1	WASHER-HARD (11X21X2.5-MM THK)						
	8	1	3E-0142	1	HOUSING AS						
	9	1	3E-0141	1	STOP-STARTING MOTOR						
	10	1	4N-7521	1	RING-LOCK						
	11	1	3E-0143	1	DRIVE AS-STARTING MOTOR						
	12	1	3E-0144	1	HOUSING AS						
	13	1	3E-0140	1	LEVER AS-STARTING MOTOR						
	14	1	3E-0138	1	ARMATURE AS (24-VOLT)						
	15	1	3E-0137	1	HOLDER AS-BRUSH (STARTING MOTOR)						
	16	1	3E-0135	1	SOLENOID AS (24-VOLT) (STARTING MOTOR)						
	17	1	3E-0125	1	COVER AS-STARTING MOTOR						
	18	1	3E-0139	1	HOUSING AS						
	19	1	3E-0136	1	HOUSING AS						
	20	1	3E-0132	1	CONNECTOR						
	21	1	3E-0133	1	WIRE AS-STARTING MOTOR						
	22	1	3E-0134	1	COVER-PLUNGER						
					AVAILABLE REPAIR KIT(S):						
			3E-0128	1	KIT-BRUSH (STARTING MOTOR)						
					(INCLUDES O-RINGS, SCREW, SPRING, AND BRUSH)						
			3E-0131	1	KIT-WASHER (STARTING MOTOR)						
					(INCLUDES WASHERS)						
			3E-0127	1	KIT-BEARING (STARTING MOTOR)						
					(INCLUDES BEARINGS, SEAL, AND BUSHING)						
			3E-0129	1	KIT-HARDWARE (STARTING MOTOR)						
					(INCLUDES WASHERS, BOLTS, LOCKWASHERS, NUTS, BUSHINGS, AND PLATE)						
			3E-0130	1	KIT-STARTING MOTOR SEAL						
					(INCLUDES SEALS AND O-RINGS)						
			3E-0145	1	KIT-STARTING MOTOR PIN						
					(INCLUDES O-RINGS, SHAFT, AND RING)						

M-METRIC PART

ELECTRICAL AND STARTING SYSTEM

6V-5538 STARTING MOTOR GP-ELECTRIC (contd.)

i02214669



GRAPHIC #1

<END>

g00108496

ELECTRICAL AND STARTING SYSTEM

8L - 5455 STARTING MOTOR GP - ELECTRIC

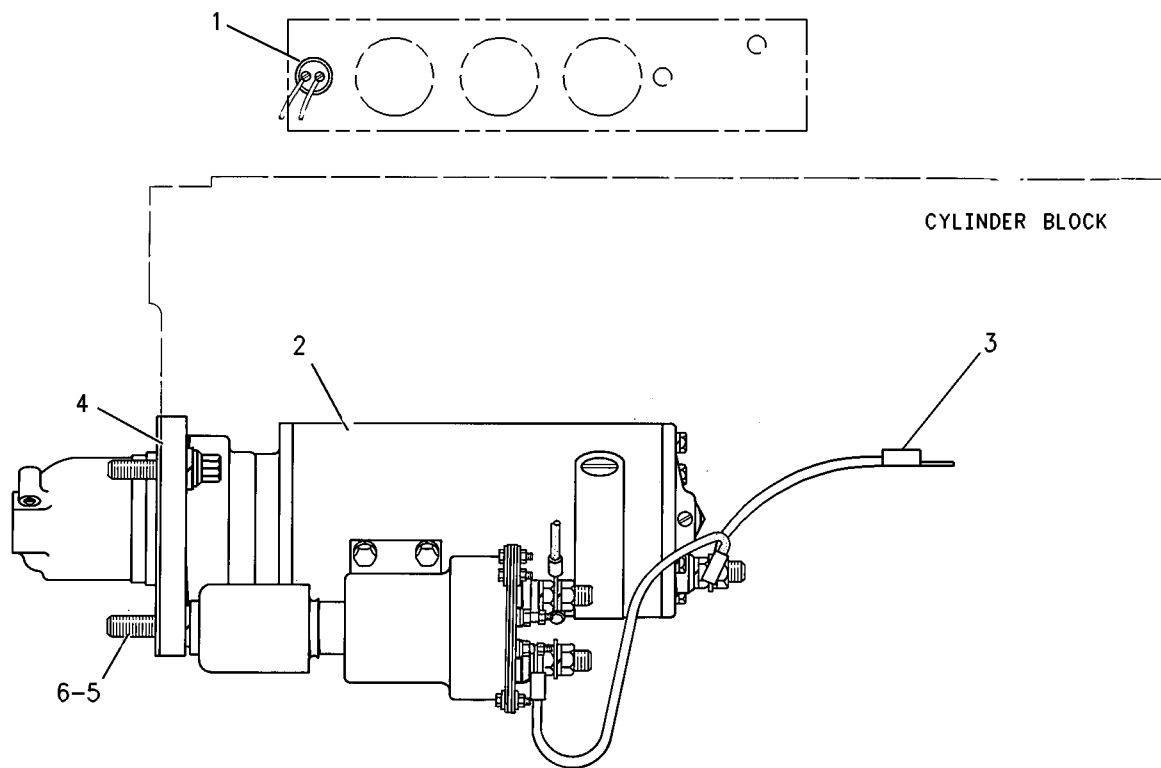
12 VOLT
AN ATTACHMENT

SMCS - 1453

i03021866

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8L - 5000	1	SWITCH - PUSH (START)						
CY	2	1	207 - 1529	1	STARTING MOTOR GP - ELECTRIC						354
	3	1	9F - 4337	1	WIRE AS						
	4	1	4H - 7869	1	GASKET						
	5	1	8S - 2332	3	BOLT - 12 POINT HEAD (5/8-11X1.75-IN)						
	6	1	3B - 4510	3	LOCKWASHER						

C - CHANGE FROM PREVIOUS TYPE
Y - SEPARATE ILLUSTRATION



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g00915194

ELECTRICAL AND STARTING SYSTEM

117-3031 STARTING MOTOR GP-ELECTRIC

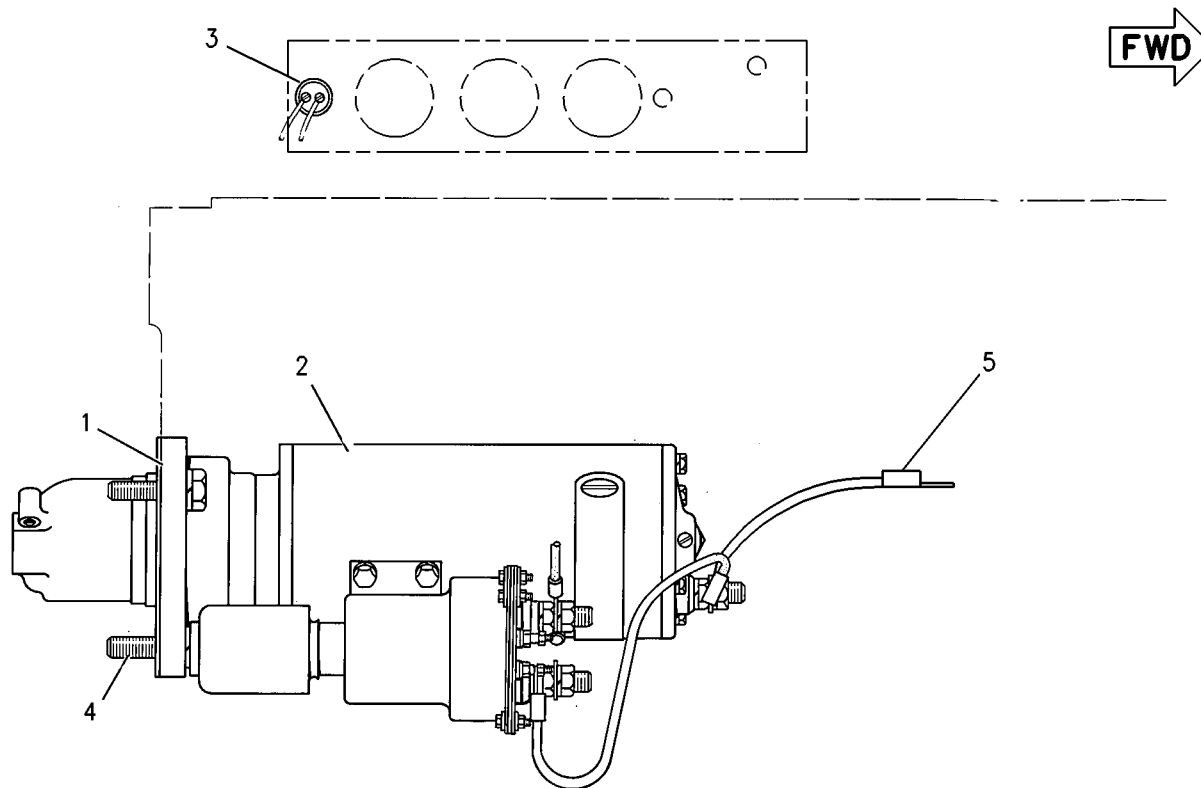
12 VOLT
AN ATTACHMENT

SMCS-1453

i03021875

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4H-7869	1	GASKET						
CY	2	1	207-1529	1	STARTING MOTOR GP-ELECTRIC						354
	3	1	8L-5000	1	SWITCH-PUSH (START)						
	4	1	8S-2332	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)						
	5	1	9F-4337	1	WIRE AS						

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



TOP VIEW

GRAPHIC #1

<END>

g00891670

ELECTRICAL AND STARTING SYSTEM

117-3032 STARTING MOTOR GP-ELECTRIC

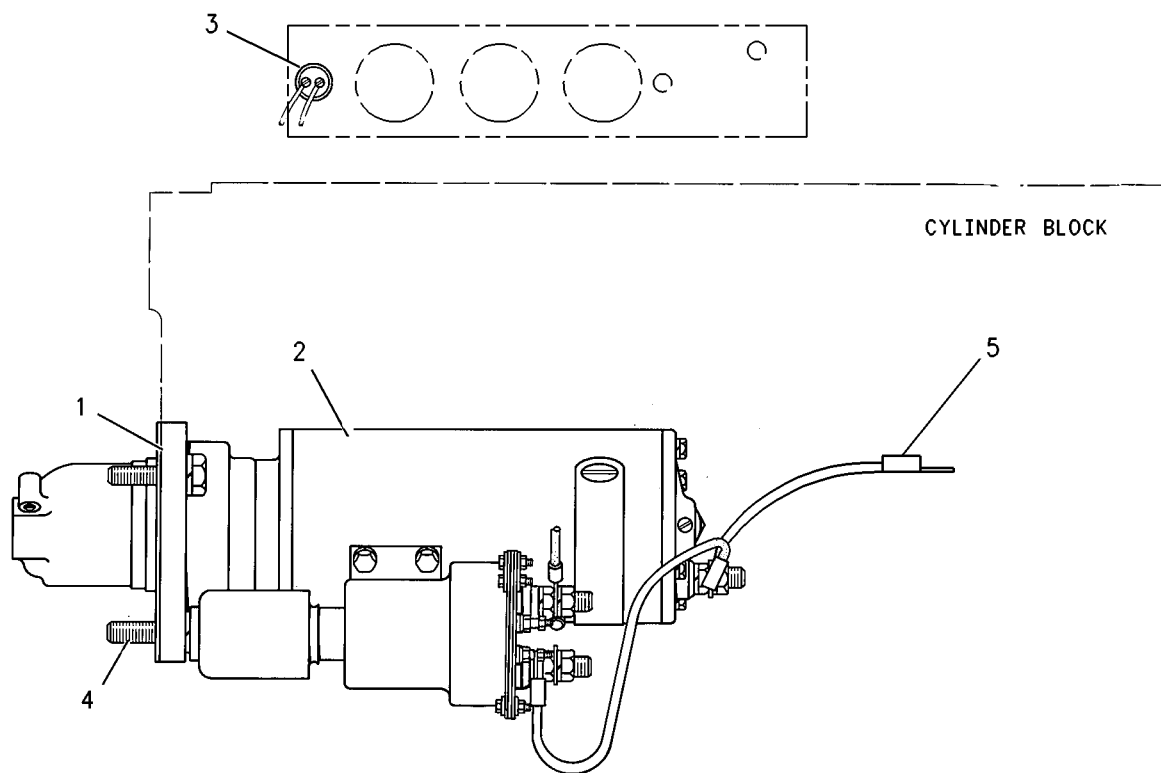
24 VOLT
AN ATTACHMENT

SMCS-1453

i03021876

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4H-7869	1	GASKET						
CY	2	1	207-1558	1	STARTING MOTOR GP-ELECTRIC						356
	3	1	8L-5000	1	SWITCH-PUSH (START)						
	4	1	8S-2332	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)						
	5	1	9F-4337	1	WIRE AS						

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g00915183

ELECTRICAL AND STARTING SYSTEM

207-1525 STARTING MOTOR GP-ELECTRIC*R

12-VOLT

FIELD REPLACEMENT FOR 207-1529-PAGE 354

SMCS-1453

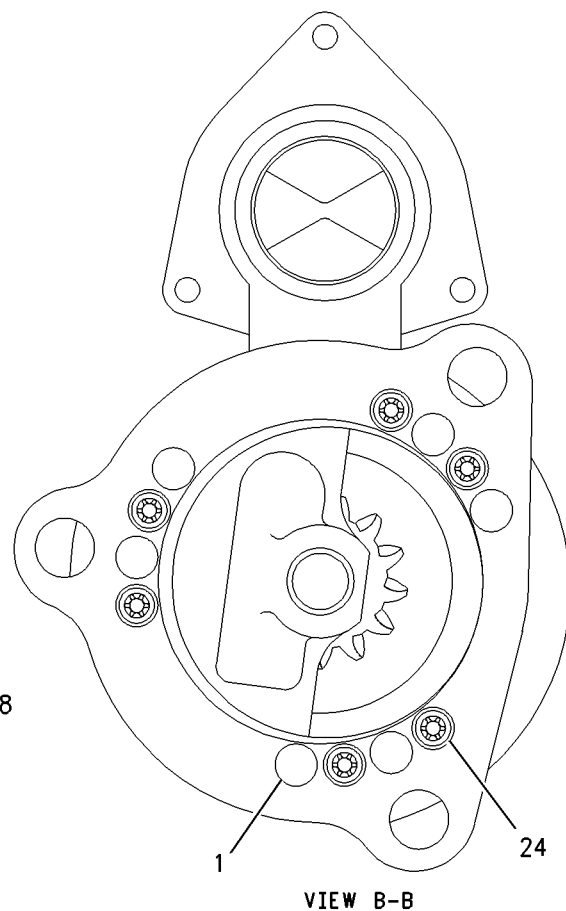
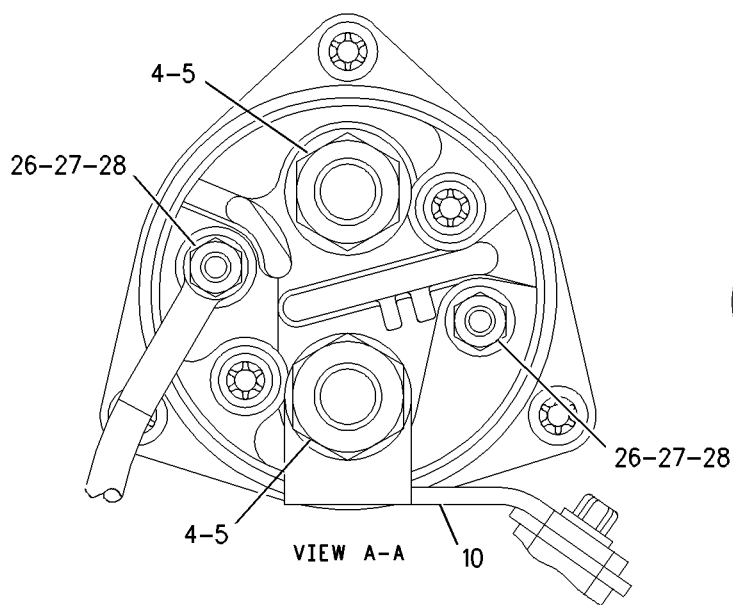
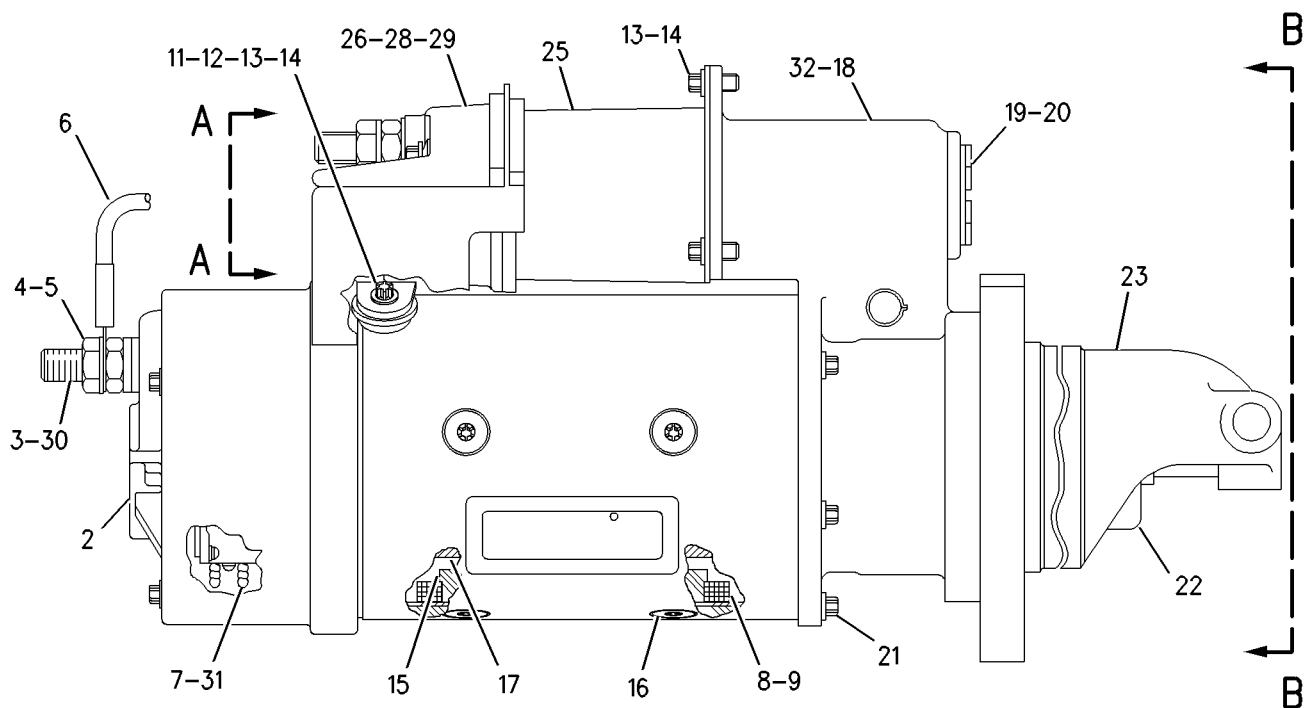
i03008254

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3T-3434	6	PLUG	
	2	1	7T-3279	1	HOUSING AS	
	3	1	8T-8566	1	TERMINAL AS	
	4	1	6V-8188	4	NUT (1/2-13-THD)	
	5	1	7X-0562	4	WASHER-HARD (13.5X19X0.8-MM THK)	
	6	1	3T-3422	1	WIRE AS	
	7	1	8T-8570	1	HOLDER AS-BRUSH (STARTING MOTOR)	
	8	1	8T-8568	1	COIL AS-FIELD	
	9	1	7T-3454	1	INSULATOR	
	10	1	7T-3271	1	CONNECTOR	
	11	1	7T-3451	1	KIT-INSULATOR (TERMINAL)	
	12	1	8T-8569	1	INSULATOR-TERMINAL	
	13	1	5S-7349	4	BOLT (1/4-20X0.5-IN)	
	14	1	8T-4205	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	15	1	8H-1141	4	SHOE-POLE	
	16	1	3F-0379	8	SCREW-POLE SHOE (3/8-24-THD)	
	17	1	7T-3275	1	ARMATURE AS (12-VOLT)	
	18	1	3E-7775	1	HOUSING AS	
	19	1	4M-1831	1	PLUG-LEVER HOUSING	
	20	1	7L-2894	1	GASKET	
	21	1	036-9823	5	BOLT (1/4-28X1-IN)	
	22	1	6N-3827	1	DRIVE AS-MOTOR	
	23	1	7T-3974	1	HOUSING AS-DRIVE	
	24	1	7X-3373	6	BOLT (5/16-18X0.88-IN)	
	25	1	206-8789	1	KIT-SOLENOID (12-VOLT) (STARTING MOTOR) (INCLUDES SOLENOID AS, BOLT AND NUTS)	
	26	1	6V-8378	3	NUT (10-32-THD)	
	27	1	8F-1434	2	LOCKWASHER	
	28	1	8T-0328	3	WASHER-HARD (5.5X10X1-MM THK)	
	29	1	9X-4824	1	COVER-STARTING MOTOR	
	30	1	8T-9884	1	KIT-INSULATOR (STARTING MOTOR) (INCLUDES INSULATORS AND BUSHING)	
	31	1	8T-9885	1	KIT-BRUSH (STARTING MOTOR) (INCLUDES BRUSH, SPRING, SCREW, SEAL AND SCREW AS)	
	32	1	7T-3268	1	KIT-LEVER (STARTING MOTOR) (INCLUDES LEVER AS, SEALS, NUT, GASKET AND RETAINER)	
					AVAILABLE REPAIR KIT(S):	
			7T-3267	1	KIT-BUSHING (STARTING MOTOR) (INCLUDES SEALS, GASKETS, BUSHINGS, SCREW AS, SPACER, RETAINER, WASHER, NUT, PLUGS AND CUPS)	

ELECTRICAL AND STARTING SYSTEM

207-1525 STARTING MOTOR GP-ELECTRIC (contd.)

i03008254



GRAPHIC #1

<END>

g00853452

ELECTRICAL AND STARTING SYSTEM

207-1529 STARTING MOTOR GP-ELECTRIC

12 VOLT

PART OF 117-3031, 8L-5455 STARTING MOTOR GP-ELECTRIC

FIELD REPLACEMENT ORDER 207-1525-PAGE 352

AN ATTACHMENT

SMCS-1453

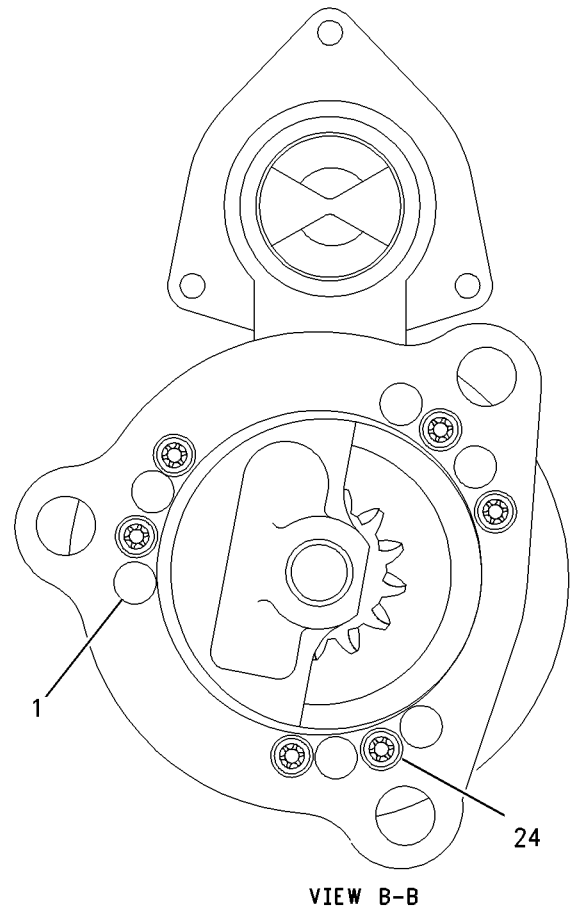
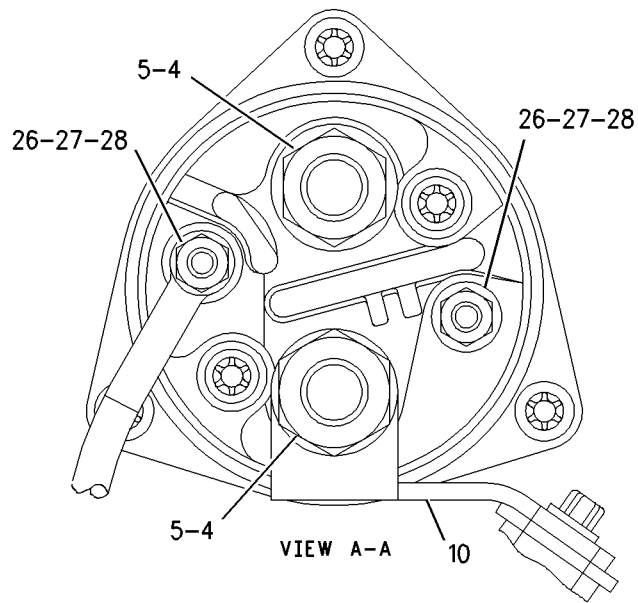
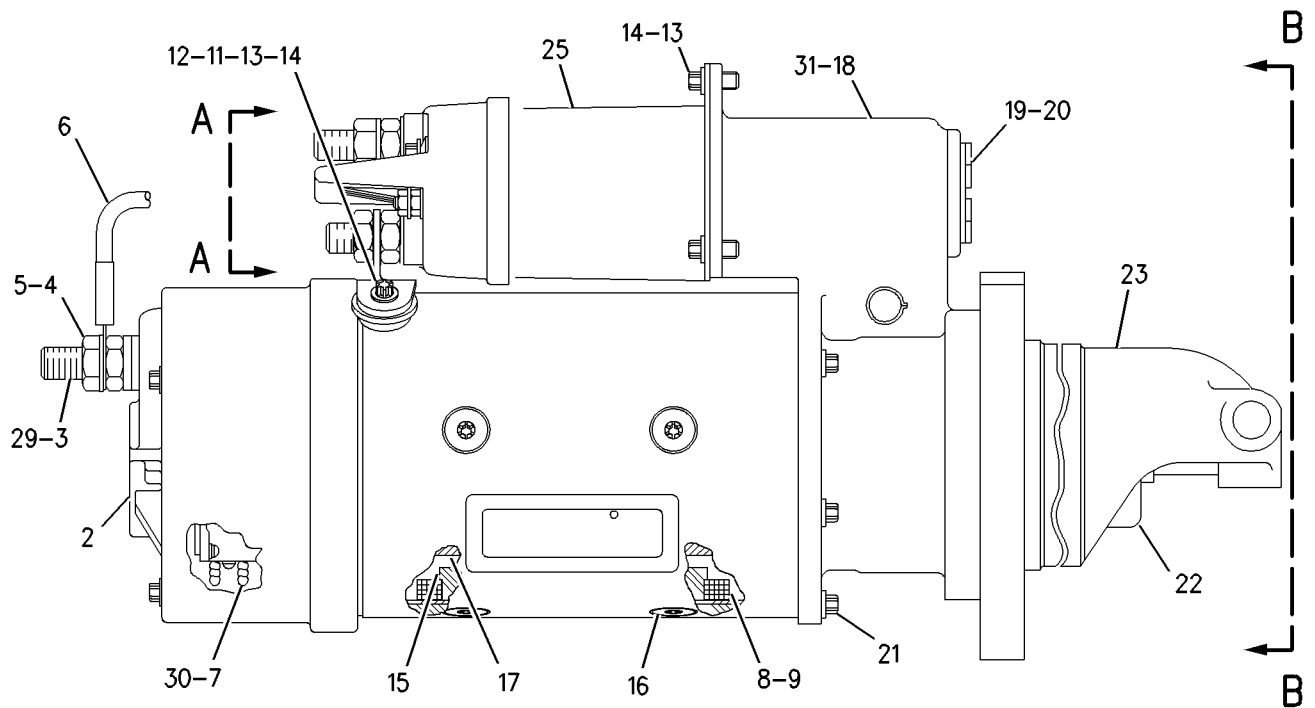
i01896253

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3T-3434	6	PLUG						
	2	1	7T-3279	1	HOUSING AS						
	3	1	8T-8566	1	TERMINAL AS						
	4	1	6V-8188	4	NUT (1/2-13-THD)						
	5	1	7X-0562	4	WASHER-HARD (13.5X19X0.8-MM THK)						
	6	1	3T-3422	1	WIRE AS						
	7	1	8T-8570	1	HOLDER AS-BRUSH (STARTING MOTOR)						
	8	1	8T-8568	1	COIL AS-FIELD						
	9	1	7T-3454	1	INSULATOR						
	10	1	7T-3271	1	CONNECTOR						
	11	1	7T-3451	1	KIT-INSULATOR (TERMINAL)						
	12	1	8T-8569	1	INSULATOR-TERMINAL						
	13	1	5S-7349	4	BOLT (1/4-20X0.5-IN)						
	14	1	8T-4205	4	WASHER-HARD (7.2X14.5X2-MM THK)						
	15	1	8H-1141	4	SHOE-POLE						
	16	1	3F-0379	8	SCREW-POLE SHOE (3/8-24-THD)						
	17	1	7T-3275	1	ARMATURE AS (12-VOLT)						
	18	1	7T-3973	1	HOUSING AS-LEVER						
	19	1	4M-1831	1	PLUG-LEVER HOUSING						
	20	1	7L-2894	1	GASKET						
	21	1	036-9823	5	BOLT (1/4-28X1-IN)						
	22	1	6N-3827	1	DRIVE AS-MOTOR						
	23	1	7T-3974	1	HOUSING AS-DRIVE						
	24	1	7X-3373	6	BOLT (5/16-18X0.88-IN)						
	25	1	206-8789	1	KIT-SOLENOID (12-VOLT) (STARTING MOTOR)						
	26	1	6V-8378	2	NUT (10-32-THD)						
	27	1	8F-1434	2	LOCKWASHER						
	28	1	8T-0328	2	WASHER-HARD (5.5X10X1-MM THK)						
	29	1	8T-9884	1	KIT-INSULATOR (STARTING MOTOR)						
					(INCLUDES INSULATORS AND BUSHING)						
	30	1	8T-9885	1	KIT-BRUSH (STARTING MOTOR)						
					(INCLUDES BRUSH, SPRING, SCREW, SEAL AND SCREW AS)						
	31	1	7T-3268	1	KIT-LEVER (STARTING MOTOR)						
					(INCLUDES LEVER AS, SEALS, NUT, GASKET AND RETAINER)						
					AVAILABLE REPAIR KIT(S):						
			7T-3267	1	KIT-BUSHING (STARTING MOTOR)						
					(INCLUDES BUSHINGS, WICKS, CUPS, SEALS, GASKET, SCREW AS, WASHER, SPACER AND NUT)						

ELECTRICAL AND STARTING SYSTEM

207-1529 STARTING MOTOR GP-ELECTRIC (contd.)

i01896253



GRAPHIC #1

<END>

g00857400

ELECTRICAL AND STARTING SYSTEM

207-1558 STARTING MOTOR GP-ELECTRIC

24-VOLT

PART OF 117-3032, 1W-5516 STARTING MOTOR GP-ELECTRIC

FIELD REPLACEMENT ORDER 207-1560-PAGE 358

AN ATTACHMENT

SMCS-1453

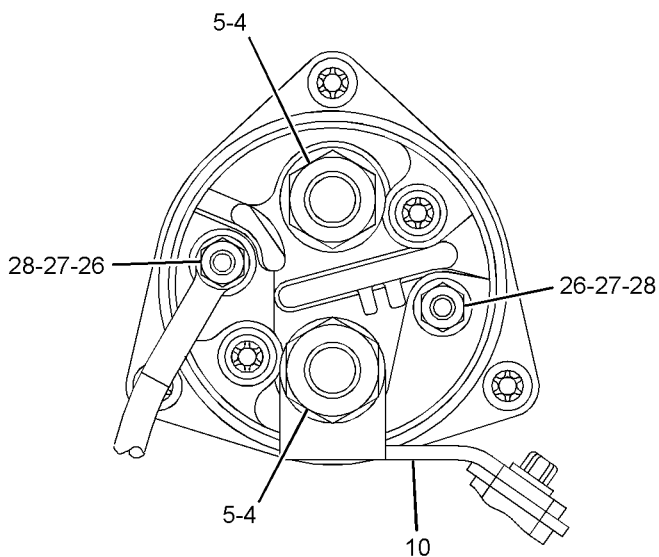
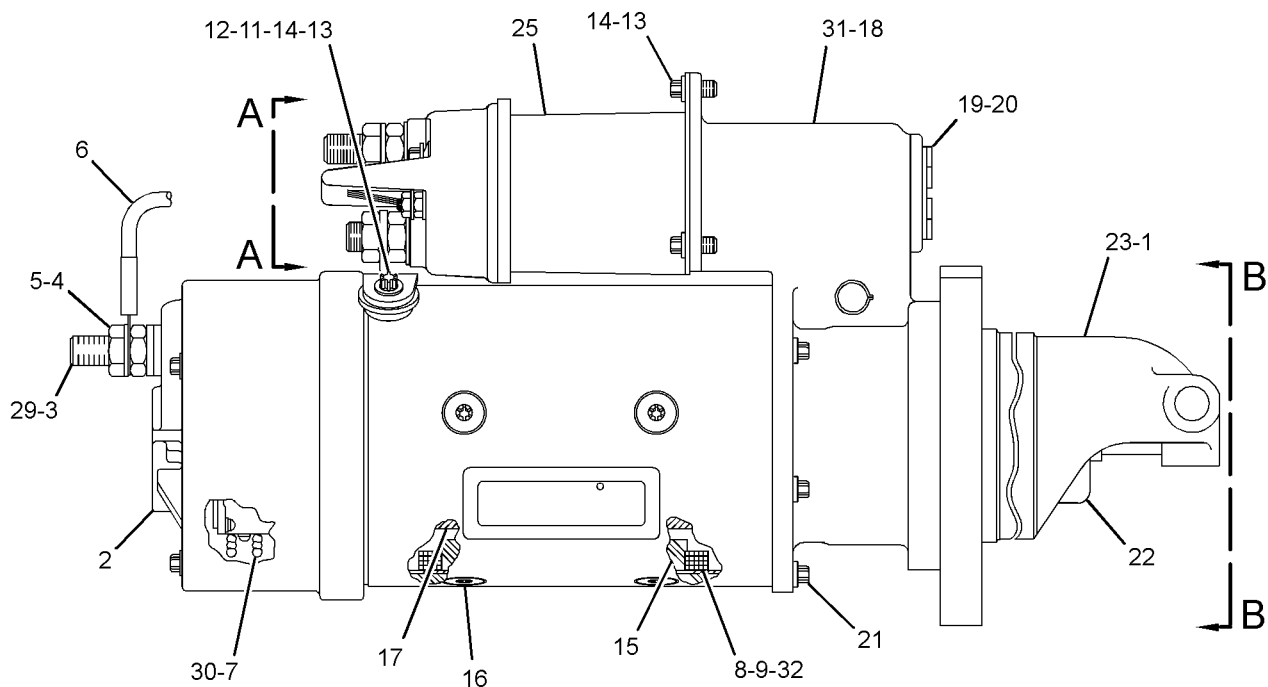
i02989052

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3T-3434	6	PLUG						
	2	1	7T-3279	1	HOUSING AS						
	3	1	8T-8566	1	TERMINAL AS						
	4	1	6V-8188	4	NUT (1/2-13-THD)						
	5	1	7X-0562	4	WASHER-HARD (13.5X19X0.8-MM THK)						
	6	1	3T-3422	1	WIRE AS						
	7	1	7T-3278	1	HOLDER AS-BRUSH (STARTING MOTOR)						
	8	1	7T-3277	1	COIL AS-FIELD						
	9	1	7T-3454	1	INSULATOR						
	10	1	283-1107	1	KIT-CONNECTOR (STARTING MOTOR)						
					(KIT INCLUDES CONNECTORS, BOLT, & TERMINAL)						
	11	1	7T-3451	1	KIT-INSULATOR (TERMINAL)						
	12	1	8T-8569	1	INSULATOR-TERMINAL						
	13	1	5S-7349	4	BOLT (1/4-20X0.5-IN)						
	14	1	8T-4205	4	WASHER-HARD (7.2X14.5X2-MM THK)						
	15	1	8H-1141	4	SHOE-POLE						
	16	1	3R-8797	8	SCREW & WASHER AS (3/8-24X0.72-IN)						
	17	1	7T-3276	1	ARMATURE AS (24-VOLT)						
	18	1	3E-7775	1	HOUSING AS						
	19	1	4M-1831	1	PLUG-LEVER HOUSING						
	20	1	7L-2894	1	GASKET						
	21	1	036-9823	5	BOLT (1/4-28X1-IN)						
	22	1	6N-3827	1	DRIVE AS-MOTOR						
	23	1	7T-3974	1	HOUSING AS-DRIVE						
	24	1	7X-3373	6	BOLT (5/16-18X0.88-IN)						
	25	1	250-8279	1	KIT-SOLENOID (STARTING MOTOR)						
					(KIT INCLUDES SOLENOID ASSEMBLY, BOLT, NUTS, COVER, & CONNECTORS)						
	26	1	6V-8378	2	NUT (10-32-THD)						
	27	1	8F-1434	2	LOCKWASHER						
	28	1	8T-0328	2	WASHER-HARD (5.5X10X1-MM THK)						
	29	1	8T-9884	1	KIT-INSULATOR (STARTING MOTOR)						
					(INCLUDES INSULATORS AND BUSHING)						
	30	1	8C-3655	1	KIT-BRUSH (STARTING MOTOR)						
					(INCLUDES BRUSHES, SPRINGS, SCREWS, SEAL & SCREW AS)						
	31	1	7T-3268	1	KIT-LEVER (STARTING MOTOR)						
					(INCLUDES LEVER AS, SEALS, NUT, GASKET & RETAINER)						
	32	1	1H-2629	2	STRIP-INSULATION						
					AVAILABLE REPAIR KIT(S):						
			7T-3267	1	KIT-BUSHING (STARTING MOTOR)						
					(INCLUDES BRUSHING, WICKS, CUPS, SEALS, SCREW AS'S, WASHERS, SPACER & NUT)						

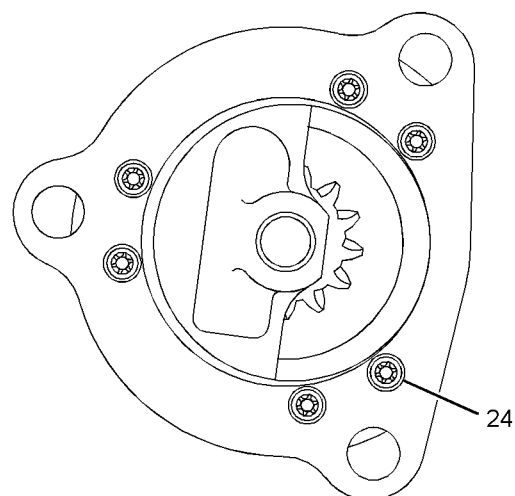
ELECTRICAL AND STARTING SYSTEM

207-1558 STARTING MOTOR GP-ELECTRIC (contd.)

i02989052



VIEW A-A



VIEW B-B

GRAPHIC #1

<END>

g01523558

ELECTRICAL AND STARTING SYSTEM

207-1560 STARTING MOTOR GP-ELECTRIC*R

24-VOLT

FIELD REPLACEMENT FOR 207-1561—PAGE 359: FOR 6V-5538—PAGE 347: FOR
207-1558—PAGE 356

SMCS-1453

i02355545

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	6V-5538	1	STARTING MOTOR GP-ELECTRIC (24-VOLT)	347
			—OR—	
Y	207-1561	1	STARTING MOTOR GP-ELECTRIC (24-VOLT)	359
Y-SEPARATE ILLUSTRATION				

<END>

ELECTRICAL AND STARTING SYSTEM

207-1561 STARTING MOTOR GP-ELECTRIC

24-VOLT

PART OF 207-1560 STARTING MOTOR GP-ELECTRIC
FIELD REPLACEMENT ORDER 207-1560-PAGE 358

SMCS-1453

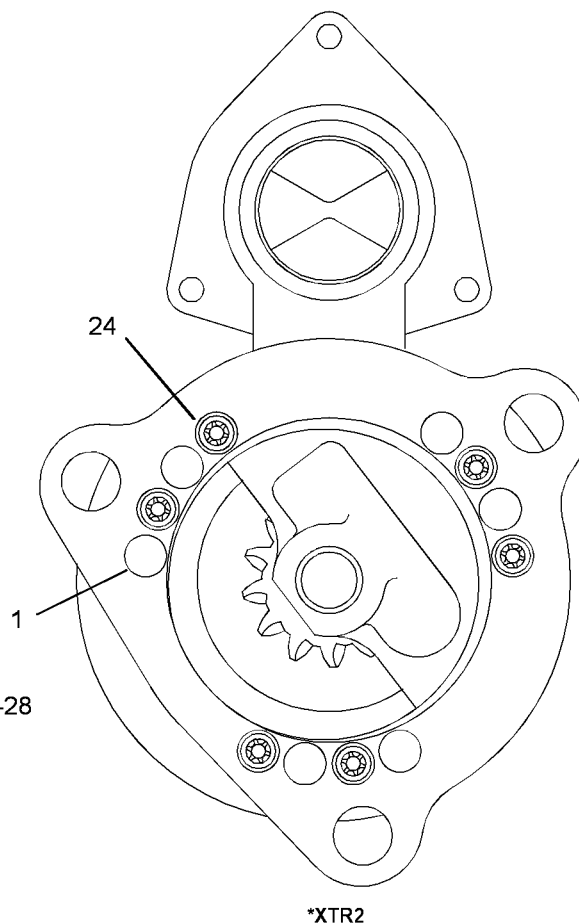
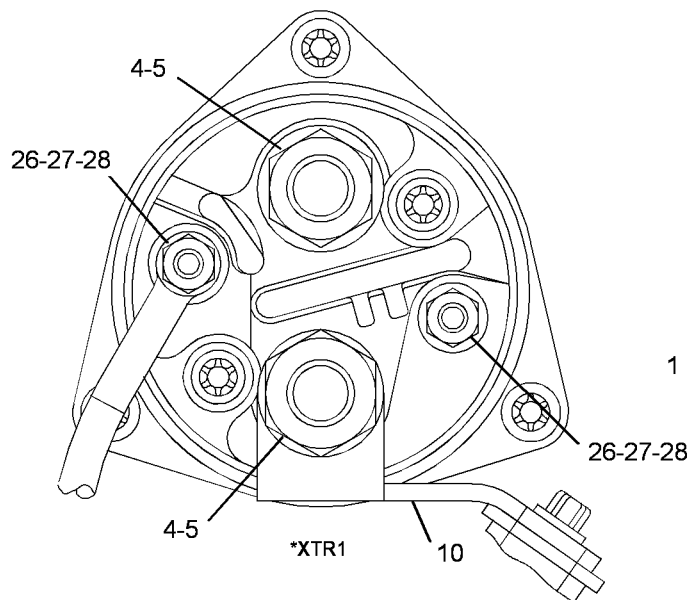
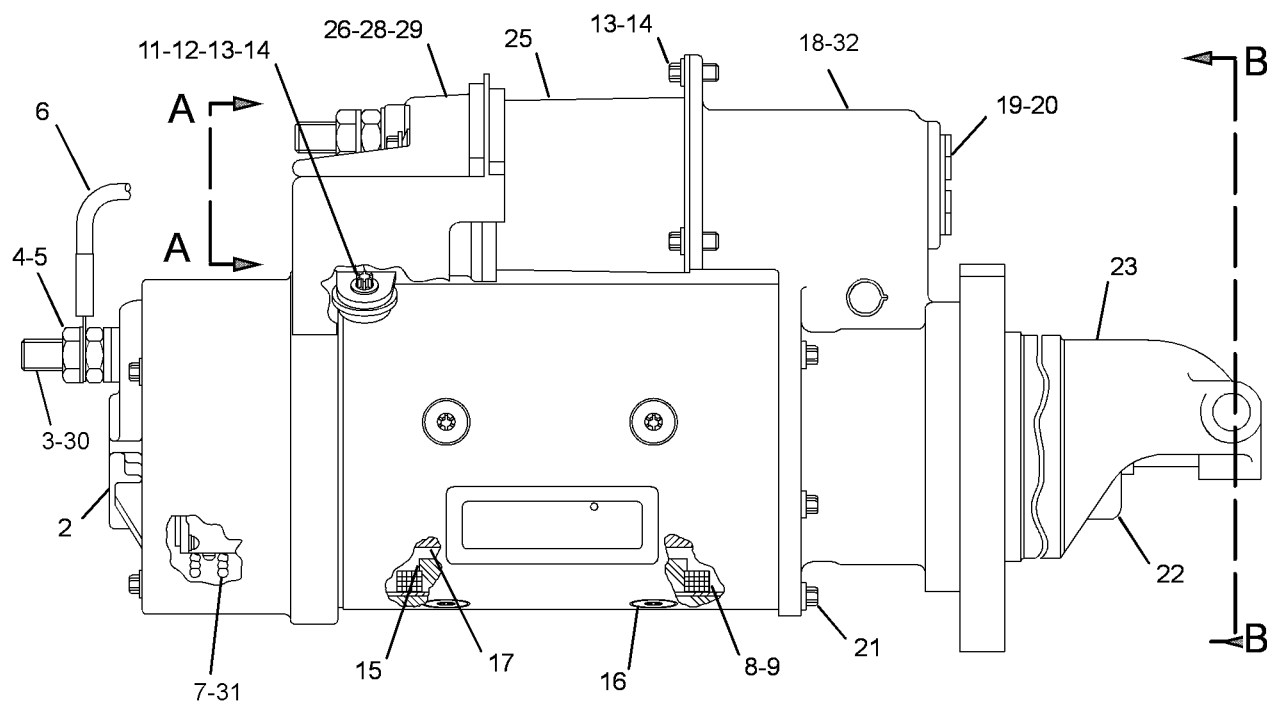
i03008279

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3T-3434	6	PLUG						
	2	1	7T-3279	1	HOUSING AS						
	3	1	8T-8566	1	TERMINAL AS						
	4	1	6V-8188	4	NUT (1/2-13-THD)						
	5	1	7X-0562	4	WASHER-HARD (13.5X19X0.8-MM THK)						
	6	1	3T-3422	1	WIRE AS						
	7	1	7T-3278	1	HOLDER AS-BRUSH (STARTING MOTOR)						
	8	1	7T-3277	1	COIL AS-FIELD						
	9	1	7T-3454	1	INSULATOR						
	10	1	283-1107	1	KIT-CONNECTOR (STARTING MOTOR)						
					(INCLUDES STARTER TERMINAL, BOLT & CONNECTORS)						
	11	1	7T-3451	1	KIT-INSULATOR (TERMINAL)						
	12	1	8T-8569	1	INSULATOR-TERMINAL						
	13	1	5S-7349	4	BOLT (1/4-20X0.5-IN)						
	14	1	8T-4205	4	WASHER-HARD (7.2X14.5X2-MM THK)						
	15	1	8H-1141	4	SHOE-POLE						
	16	1	3R-8797	8	SCREW & WASHER AS (3/8-24X0.72-IN)						
	17	1	7T-3276	1	ARMATURE AS (24-VOLT)						
	18	1	3E-7775	1	HOUSING AS						
	19	1	4M-1831	1	PLUG-LEVER HOUSING						
	20	1	7L-2894	1	GASKET						
	21	1	036-9823	5	BOLT (1/4-28X1-IN)						
	22	1	6N-3827	1	DRIVE AS-MOTOR						
	23	1	7T-3974	1	HOUSING AS-DRIVE						
	24	1	7X-3373	6	BOLT (5/16-18X0.88-IN)						
	25	1	250-8279	1	KIT-SOLENOID (STARTING MOTOR)						
	26	1	6V-8378	3	NUT (10-32-THD)						
	27	1	8F-1434	2	LOCKWASHER						
	28	1	8T-0328	2	WASHER-HARD (5.5X10X1-MM THK)						
	29	1	9X-4824	2	COVER-STARTING MOTOR						
	30	1	8T-9884	1	KIT-INSULATOR (STARTING MOTOR)						
					(INCLUDES INSULATORS & BUSHING)						
	31	1	8C-3655	1	KIT-BRUSH (STARTING MOTOR)						
					(INCLUDES BRUSHES, SPRINGS, SCREWS, SEAL & SCREW AS)						
	32	1	7T-3268	1	KIT-LEVER (STARTING MOTOR)						
					(INCLUDES LEVER AS, SEALS, NUT, GASKET & RETAINER)						
					AVAILABLE REPAIR KIT(S):						
			7T-3267	1	KIT-BUSHING (STARTING MOTOR)						
					(INCLUDES BUSHINGS, WICKS, CUPS, SEALS, SCREW AS, WASHERS, SPACER & NUT)						

ELECTRICAL AND STARTING SYSTEM

207-1561 STARTING MOTOR GP-ELECTRIC (contd.)

i03008279



GRAPHIC #1

<END>

g01462048

ELECTRICAL AND STARTING SYSTEM

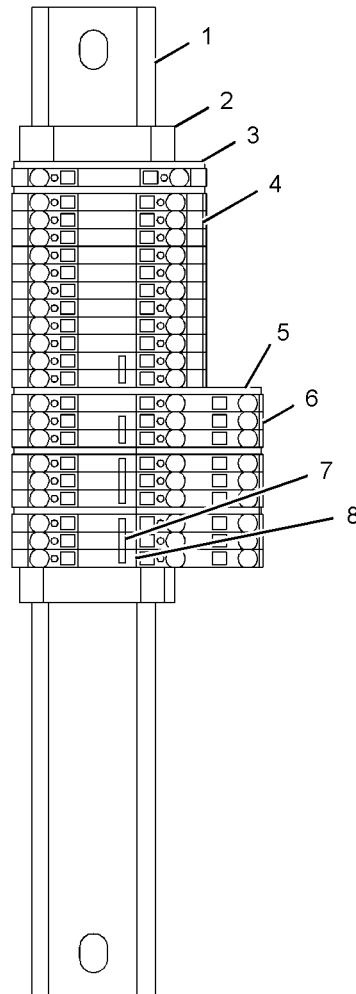
157-2792 STRIP AS-TERMINAL

PART OF 119-6031 PANEL GP-CONTROL
AN ATTACHMENT

SMCS-4460, 7426

i02427783

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	097-5921	1	RAIL-MOUNTING						
	2	1	162-0589	2	BRACKET-END						
	3	1	167-1617	2	COVER-TERMINAL						
	4	1	179-8786	12	BLOCK-TERMINAL (20-AMPERE)						
	5	1	192-3830	3	COVER-TERMINAL						
	6	1	192-3829	9	BLOCK-TERMINAL (20-AMPERE)						
	7	1	179-8783	1	BAR						
	8	1	249-3127	1	MARKER						



GRAPHIC #1

<END>

g01219539

ELECTRICAL AND STARTING SYSTEM

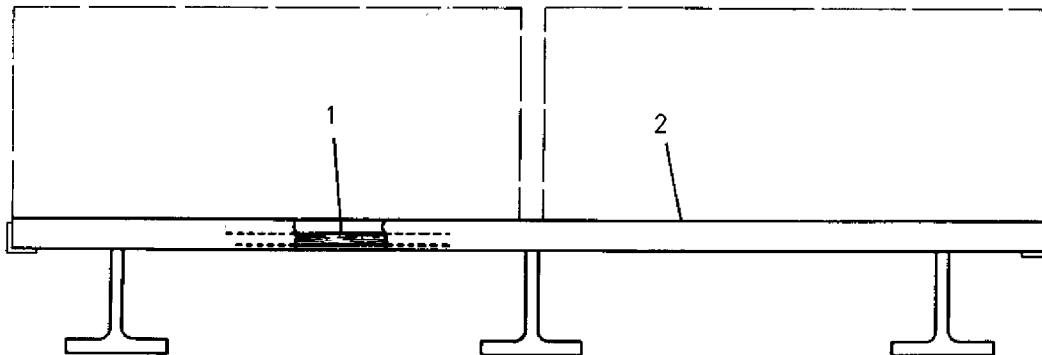
3N-7056 SUPPORT GP-BATTERY

FLOOR TYPE, 2-BATTERY
AN ATTACHMENT

SMCS-7257

i01380951

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-7055	1	BOARD						
	2	1	3N-7054	1	SUPPORT AS-BATTERY						



GRAPHIC #1

<END>

g00729953

ELECTRICAL AND STARTING SYSTEM

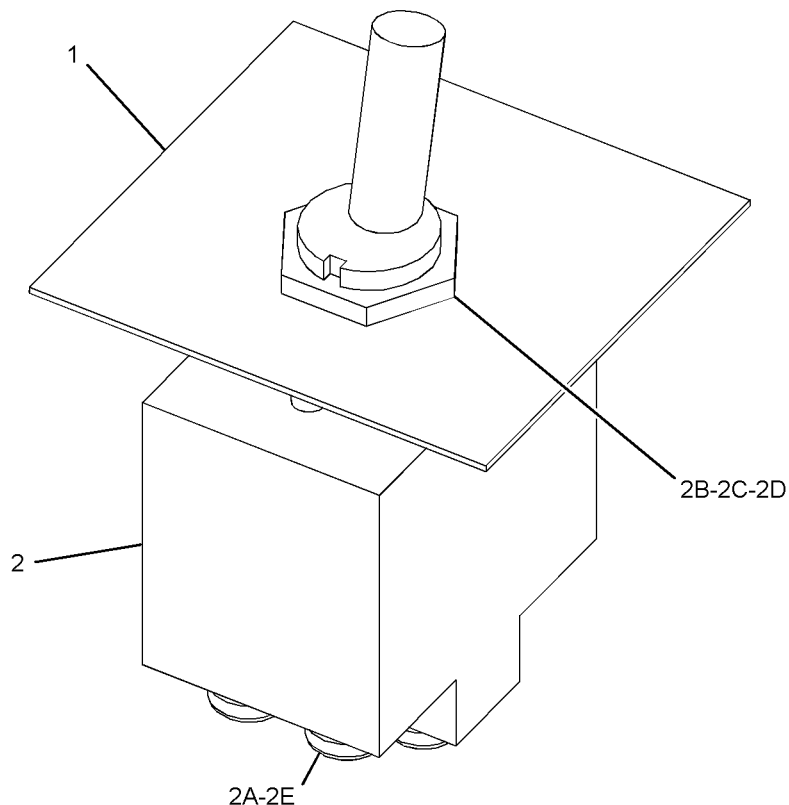
8N-6670 SWITCH GP-GOVERNOR

FOR USE WITH PSG ISOCHRONOUS GOVERNOR
AN ATTACHMENT

SMCS-1264

i02989045

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3L-4576	1	PLATE-IDENTIFICATION (GOVERNOR RAISE/LOWER)	
	2	1	7N-8008	1	SWITCH AS-TOGGLE (GOVERNOR RAISE/LOWER)	
	2A	1	3L-8187	6	LOCKWASHER (NO. 6)	
	2B	1	6T-3631	2	NUT-HEX (15/32-32-THD)	
	2C	1	6T-3632	1	LOCKWASHER (11.96X15.08X.5SMM THK)	
	2D	1	6T-3633	1	RING-LOCKING (12.3MM ID)	
	2E	1	6V-8374	6	SCREW-MACHINE (6-32X0.25-IN)	



GRAPHIC #1

<END>

g01515319

ELECTRICAL AND STARTING SYSTEM

6I-4290 SWITCH GP-LIQUID LEVEL

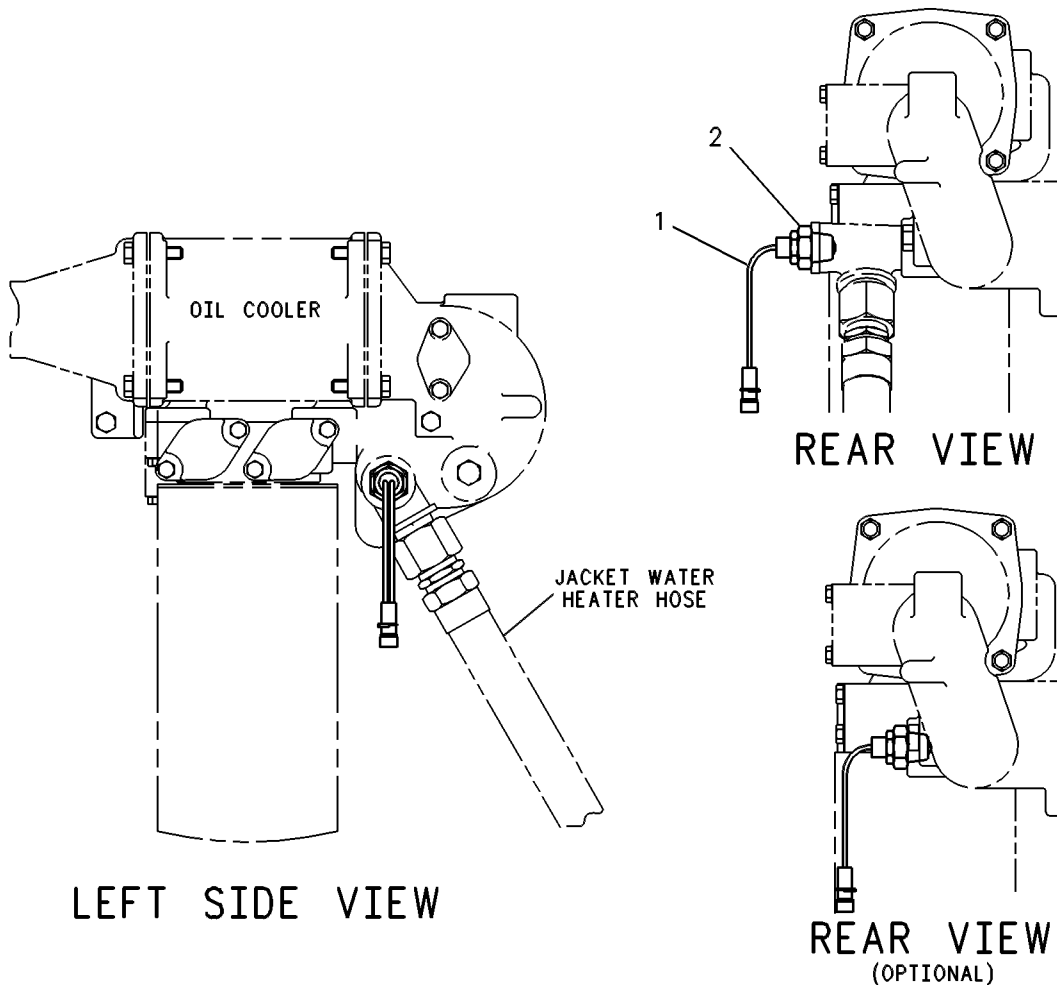
AN ATTACHMENT

SMCS-7422

i03008306

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	3E-0264	1	SWITCH GP-TEMPERATURE (COOLANT)	365
	2	1	1Y-0521	1	BUSHING-REDUCER	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00238967

ELECTRICAL AND STARTING SYSTEM

3E-0264 SWITCH GP-TEMPERATURE

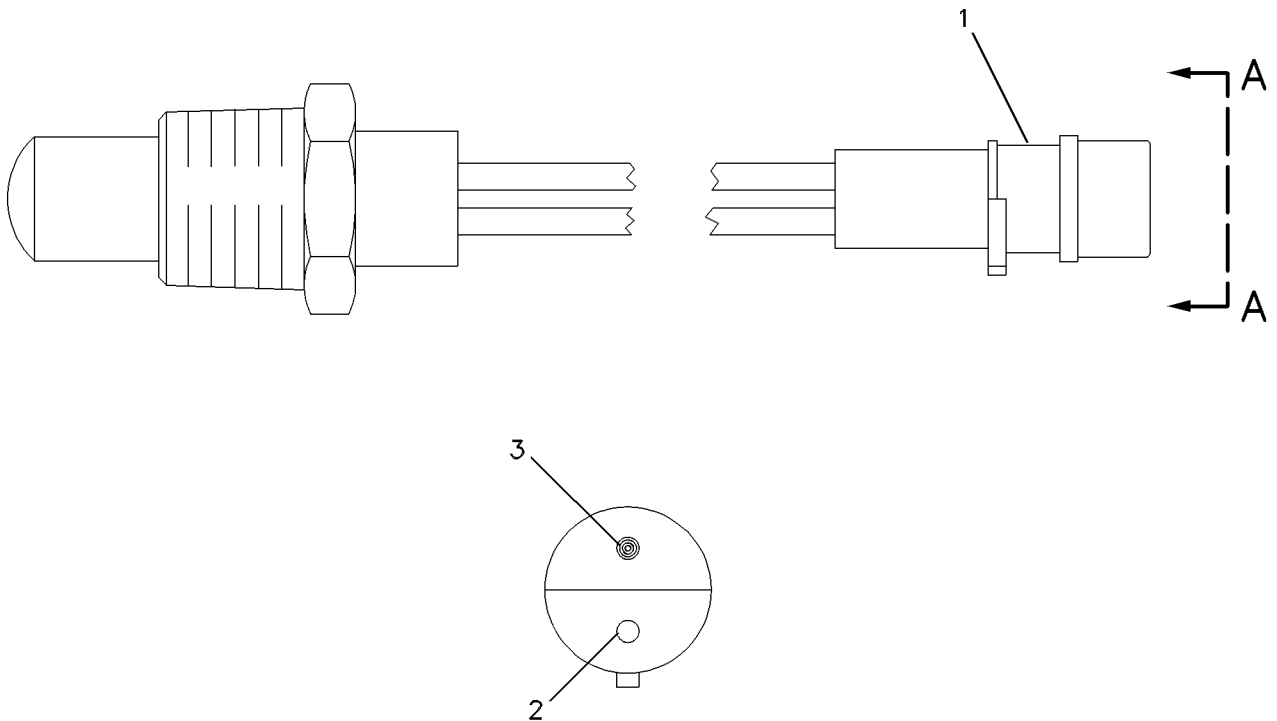
COOLANT

PART OF 6I-4290 SWITCH GP-LIQUID LEVEL
AN ATTACHMENT

SMCS-7400

i02666647

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-9737	1	HOUSING-PLUG (14-GA TO 18-GA)						
	2	1	7N-7779	1	SOCKET-CONNECTOR (14-GA TO 18-GA)						
	3	1	7N-7780	1	PIN-CONNECTOR (14-GA TO 18-GA)						



GRAPHIC #1

<END>

g00632115

ELECTRICAL AND STARTING SYSTEM

206-0240 TRANSFORMER GP - CURRENT

5000:5 RATIO
FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289103

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	117-9724	3	TRANSFORMER AS-CURRENT (RATIO 5000:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0241 TRANSFORMER GP - CURRENT

1500:5 RATIO
FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289104

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	122-6587	3	TRANSFORMER AS-CURRENT (RATIO 1500:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0242 TRANSFORMER GP - CURRENT

2000:5 RATIO
FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289105

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	122-6588	3	TRANSFORMER AS-CURRENT (RATIO 2000:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

ELECTRICAL AND STARTING SYSTEM

206-0243 TRANSFORMER GP-CURRENT

2500:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289106

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	122-6589	3	TRANSFORMER AS-CURRENT (RATIO 2500:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0244 TRANSFORMER GP-CURRENT

3000:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289107

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	6K-0806	9	STRAP-CABLE						
	122-6590	3	TRANSFORMER AS-CURRENT (RATIO 3000:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

ELECTRICAL AND STARTING SYSTEM

206-0245 TRANSFORMER GP-CURRENT

4000:5 RATIO
FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289108

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
B	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	8T-9368	2	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	122-6591	3	TRANSFORMER AS-CURRENT (RATIO 4000:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
B-USE AS REQUIRED									
<END>									

206-0246 TRANSFORMER GP-CURRENT

3500:5 RATIO
FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289109

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	128-0115	3	TRANSFORMER AS-CURRENT (RATIO 3500:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0247 TRANSFORMER GP-CURRENT

200:5 RATIO
FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289110

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	117-9721	3	TRANSFORMER AS-CURRENT (RATIO 200:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
	<END>								

ELECTRICAL AND STARTING SYSTEM

206-0248 TRANSFORMER GP-CURRENT

300:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289111

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	117-9722	3	TRANSFORMER AS-CURRENT (RATIO 300:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0249 TRANSFORMER GP-CURRENT

400:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289112

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	117-9723	3	TRANSFORMER AS-CURRENT (RATIO 400:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0250 TRANSFORMER GP-CURRENT

600:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289113

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	119-0977	3	TRANSFORMER AS-CURRENT (RATIO 600:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

ELECTRICAL AND STARTING SYSTEM

206-0251 TRANSFORMER GP-CURRENT

800:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289114

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	119-0978	3	TRANSFORMER AS-CURRENT (RATIO 800:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0252 TRANSFORMER GP-CURRENT

500:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289115

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	128-0795	3	TRANSFORMER AS-CURRENT (RATIO 500:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

206-0253 TRANSFORMER GP-CURRENT

900:5 RATIO

FOR USE WITH EMCP II+
AN ATTACHMENT

SMCS-4476

i02289116

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	137-0259	3	TRANSFORMER AS-CURRENT (RATIO 900:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

ELECTRICAL AND STARTING SYSTEM

229-5837 TRANSFORMER GP-CURRENT

1000:5 RATIO
AN ATTACHMENT

SMCS-4476

i02289123

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	122-6585	3	TRANSFORMER AS-CURRENT (RATIO 1000:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

229-5838 TRANSFORMER GP-CURRENT

1200:5 RATIO
AN ATTACHMENT

SMCS-4476

i02289124

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	3B-8695	2	BOLT (1/4-20X3.5-IN)						
	8T-9368	4	BOLT (1/4-20X2.25-IN)						
	206-0479	1	HARNESS AS-WIRING (CURRENT TRANSFORMER)						
	2L-8075	6	TERMINAL (14-GA TO 16-GA, NO. 8 SCREW)						
	8L-8413	8	STRAP-CABLE						
	109-3038	6	END-WIRE (16-GA)						
	3E-9865	6	LOCKNUT (1/4-20-THD)						
	122-6586	3	TRANSFORMER AS-CURRENT (RATIO 1200:5)						
	5P-4115	12	WASHER-HARD (7.2X19X2-MM THK)						
<END>									

175-7748 TRANSFORMER GP-POTENTIAL

PART OF 158-6172 CONVERSION AR
AN ATTACHMENT

SMCS-1409

i02989436

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	207-2018	1	TRANSFORMER AS (POTENTIAL) (MED. VOLTAGE)						
<END>									

ELECTRICAL AND STARTING SYSTEM

1L-5011 VALVE GP-AIR STARTING REQUIRED WHEN AIR SUPPLY PRESSURE EXCEEDS 1034 KPA. REGULATING AND PRESSURE REDUCING FOR USE WITH AIR STARTING MOTOR AN ATTACHMENT

SMCS-1462

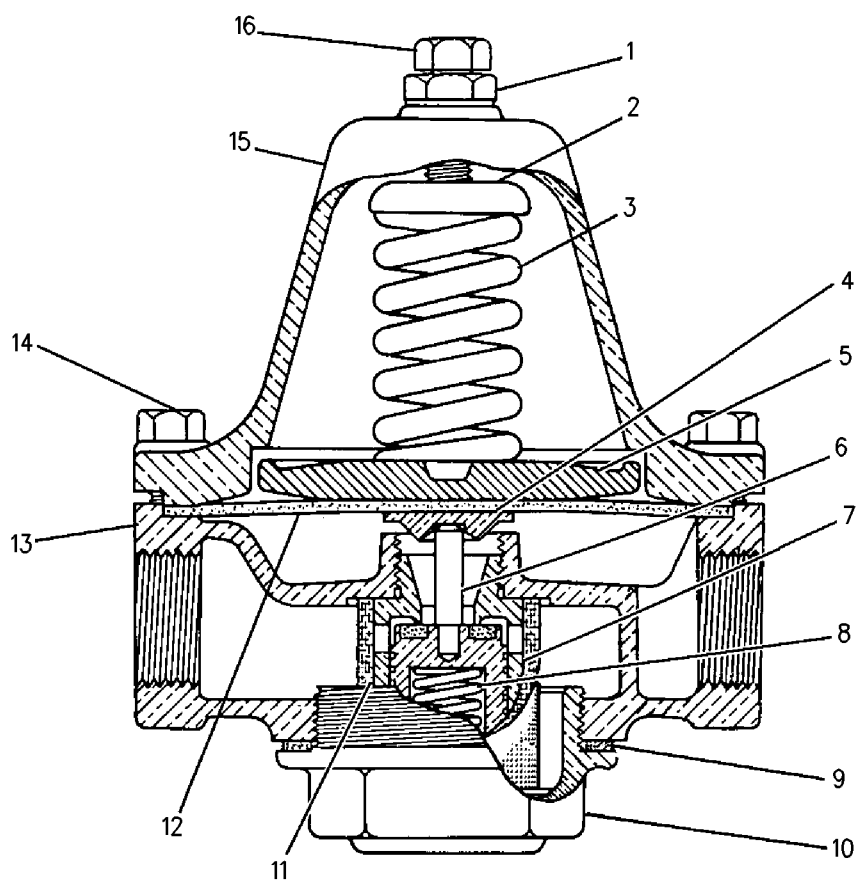
i02900289

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1L-9048	1	NUT-PLATED JAM (7/16-14-THD)	
	2	1	1H-9569	1	BUTTON-SPRING	
	3	1	1L-9049	1	SPRING-PRESSURE	
	4	1	1L-9060	1	BUTTON	
	5	1	1H-9572	1	PLATE-PRESSURE	
	6	1	1L-9064	1	PISTON AS	
	7	1	7L-8705	1	CYLINDER	
	8	1	1L-9067	1	SPRING-PISTON	
	9	1	1H-9580	1	GASKET-PLUG	
	10	1	1L-9069	1	PLUG AS	
	11	1	1L-9066	1	SCREEN-STRAINER (AIR STARTING VALVE)	
	12	1	1L-9063	1	DIAPHRAGM	
	13	1	1L-9068	1	BODY-VALVE	
	14	1	1L-9062	6	BOLT (3/8-24X1.5-IN)	
		1	1L-9061	6	NUT-PLATED FULL (3/8-24-THD)	
	15	1	1L-9059	1	HOUSING-SPRING	
C	16	1	0T-0320	1	BOLT (7/16-14X1.25-IN)	
C- CHANGE FROM PREVIOUS TYPE						

ELECTRICAL AND STARTING SYSTEM

1L-5011 VALVE GP-AIR STARTING (contd.)

i02900289



GRAPHIC #1

<END>

g00741516

ELECTRICAL AND STARTING SYSTEM

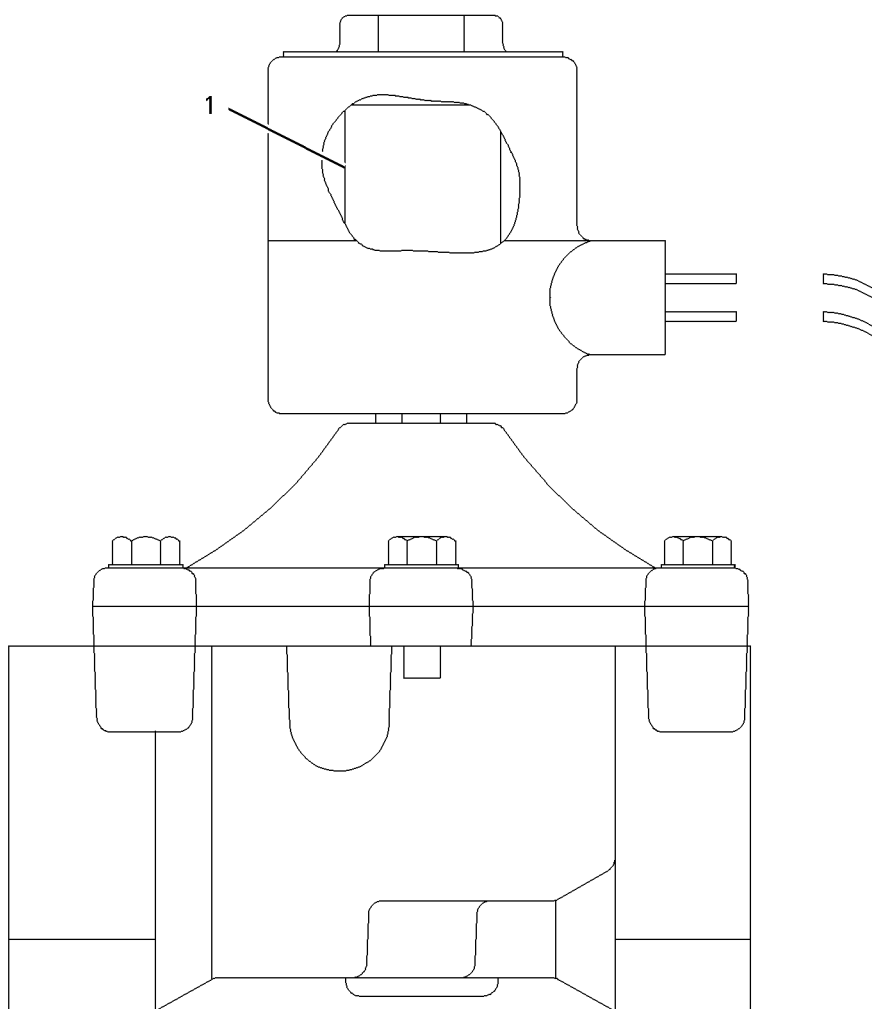
103-0692 VALVE GP-SOLENOID-GAS SHUTOFF

24-VOLT
AN ATTACHMENT

SMCS-5479

i02897963

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7X-1678	1	COIL AS						



GRAPHIC #1

<END>

g00730432

ELECTRICAL AND STARTING SYSTEM

130-5177 VALVE GP-SOLENOID-AIR STARTING

PART OF 132-6898 CONTROL GP-AIR STARTING

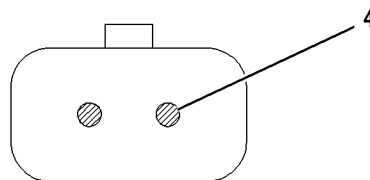
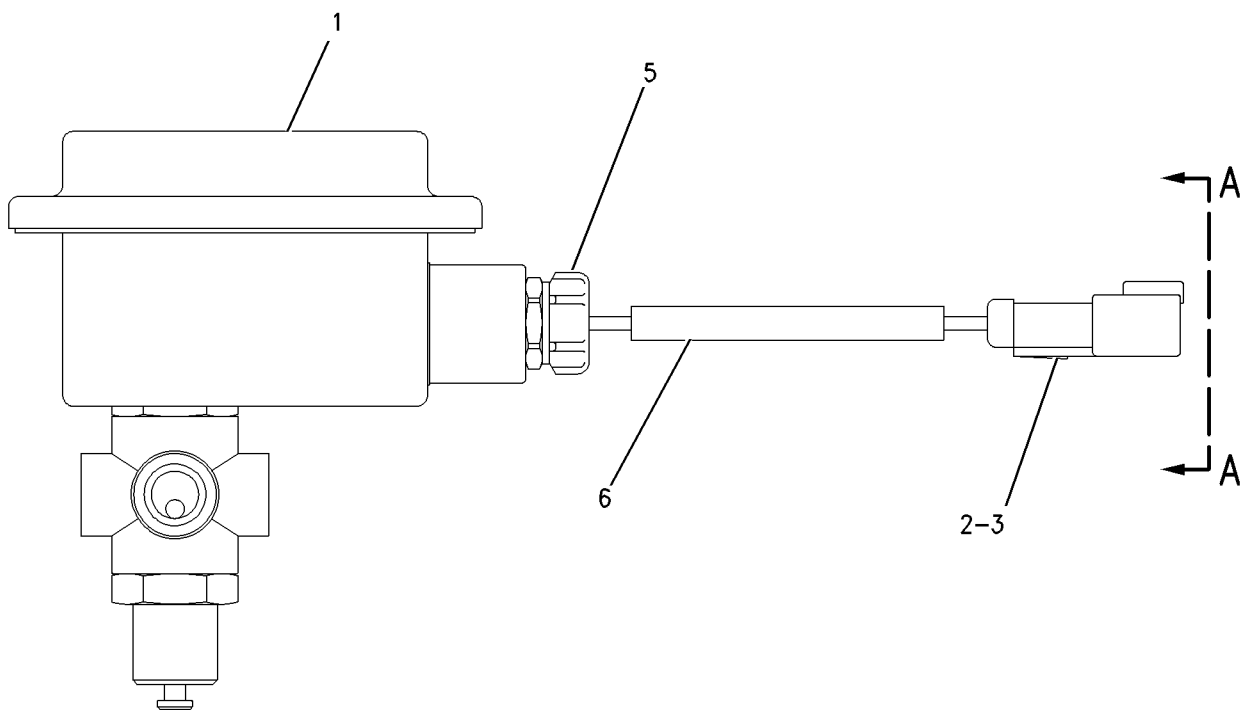
AN ATTACHMENT

SMCS-5479

i02897964

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	107-2731	1	VALVE GP-SOLENOID (AIR START)						
	2	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2-PIN)						
	3	1	102-8802	1	KIT-RECEPTACLE (2-PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	4	1	8T-8729	2	PIN-CONNECTOR						
	5	1	5D-5569	1	CONNECTOR						
E	6	1	9X-1386		SLEEVE (6-CM)						

E-ORDER BY THE CENTIMETER



VIEW A-A

GRAPHIC #1

<END>

g00741334

ELECTRICAL AND STARTING SYSTEM

103-0701 WIRING GP-ALTERNATOR

FOR USE WITH ALTERNATOR-AMMETER WHEN USED WITH AIR STARTING MOTOR & SELF-POWERED SHUTOFF
AN ATTACHMENT

SMCS-1405, 1408

i03025018

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
B	4P-7581	8	CLIP						
B	4P-8134	8	CLIP						
	101-9225	1	HARNESS AS-WIRING						
B	9X-6772	22	STRAP - CABLE						
B	3S-2093	10	STRAP - CABLE						
B-USE AS REQUIRED									

<END>

103-0702 WIRING GP-ALTERNATOR

FOR USE WITH ALTERNATOR-AMMETER WHEN USED WITH ELECTRIC STARTING MOTOR &
SELF-POWERED SHUTOFF
AN ATTACHMENT

SMCS-1405, 1408

i03025019

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
B	4P-7581	8	CLIP						
B	4P-8134	8	CLIP						
	101-1472	1	HARNESS AS-WIRING						
B	3S-2093	10	STRAP-CABLE						
B	9X-6772	22	STRAP-CABLE						
B-USE AS REQUIRED									

<END>

ELECTRICAL AND STARTING SYSTEM

6I-3548 WIRING GP-ENGINE

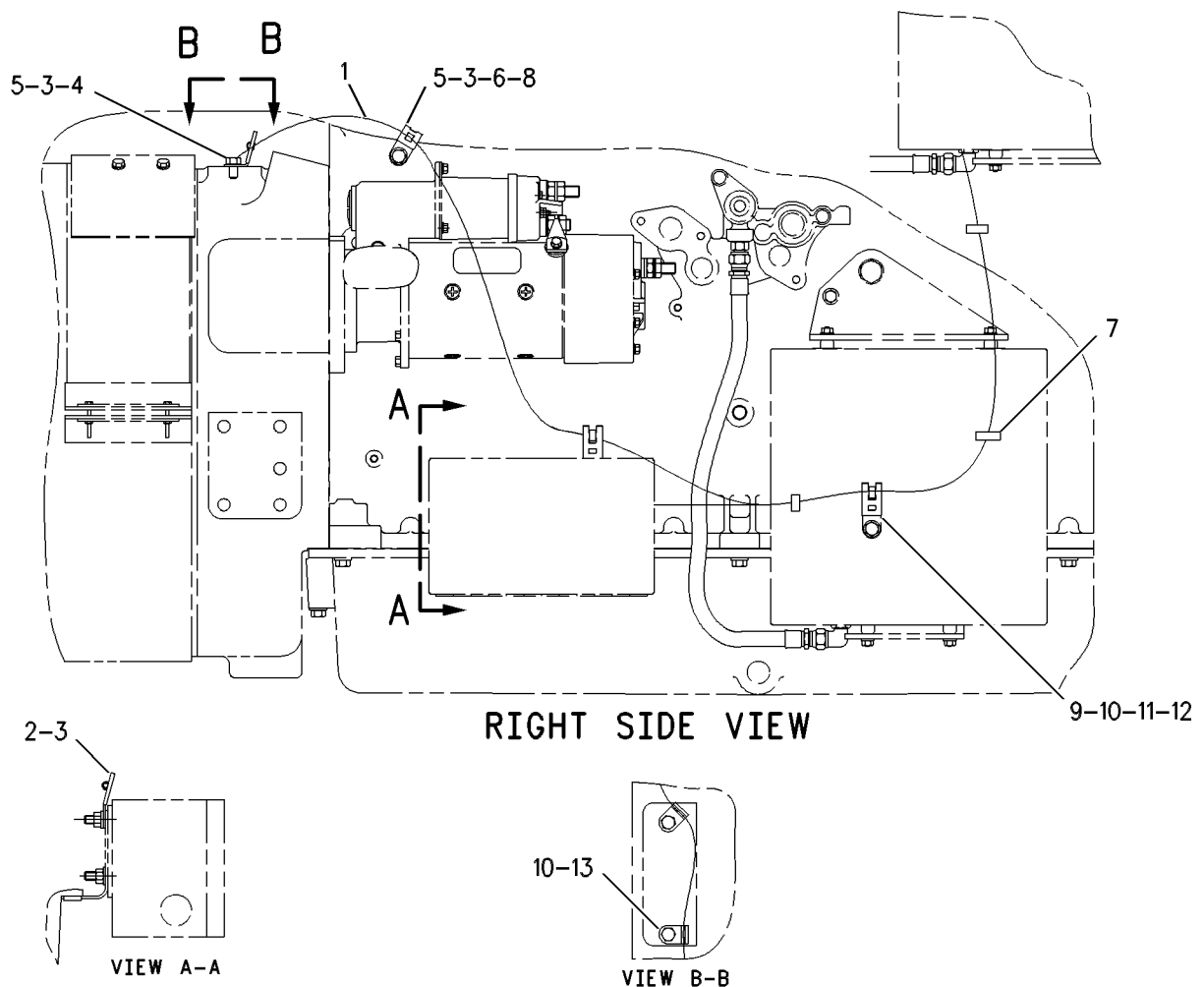
AN ATTACHMENT

SMCS-1000, 1408

i03025007

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-2875	1	HARNESS AS-PANEL (INTERCONNECT)						
	2	1	4P-7581	1	CLIP						
	3	1	9X-6772	3	STRAP-CABLE						
	4	1	0T-0102	1	BOLT (3/8-16X0.625-IN)						
	5	1	4P-8134	2	CLIP						
	6	1	1C-0569	1	BOLT (5/16-18X0.5-IN)						
B	7	1	9X-6772	8	STRAP-CABLE						
	8	1	5P-4115	1	WASHER-HARD (7.2X19X2-MM THK)						
B	9	1	4P-7581	1	CLIP						
B	10	1	9X-6772	2	STRAP-CABLE						
B	11	1	1C-0569	1	BOLT (5/16-18X0.5-IN)						
B	12	1	5P-4115	1	WASHER-HARD (7.2X19X2-MM THK)						
B	13	1	4P-8134	1	CLIP						

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00593819

ELECTRICAL AND STARTING SYSTEM

101-8630 WIRING GP - ENGINE

FOR USE WITH SELF-POWERED SHUTOFF WHEN USED WITH ELECTRIC STARTING MOTOR
AN ATTACHMENT

SMCS-1000, 1408

i03025013

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	101 - 1470	1	HARNESS AS - WIRING						
<END>									

101-8636 WIRING GP - ENGINE

FOR USE WITH AUTO START-STOP SHUTOFF WHEN USED WITH ELECTRIC STARTING MOTOR
AN ATTACHMENT

SMCS-1000, 1408

i03025014

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	4P-5469	1	BOX GP-JUNCTION						263
Y	105-3511	1	BOX GP-JUNCTION						266
Y	104-3031	1	MOUNTING GP-CONTACTOR						323
	101-7934	1	HARNESS AS-WIRING						
			-OR-						
	207-8583	1	HARNESS AS-ENGINE						
	155-2274	1	KIT-CONNECTING PLUG (6-PIN)						
			(INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)						
	2W-0390	1	BRACKET						
	9S-8752	4	NUT-FULL (3/8-16-THD)						
	6F-6405	4	SPACER (0.438X0.75X0.375-IN THK)						
	5M-2894	4	WASHER-HARD (10.2X18.5X2.5-MM THK)						
Y-SEPARATE ILLUSTRATION									
<END>									

103-0699 WIRING GP - ENGINE

FOR USE WITH AUTO START-STOP SHUTOFF WHEN USED WITH AIR STARTING MOTOR
AN ATTACHMENT

SMCS-1000, 1408

i03025017

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	4P-5469	1	BOX GP-JUNCTION						263
Y	104-3031	1	MOUNTING GP-CONTACTOR						323
	218-2166	1	HARNESS AS-ENGINE						
	155-2274	1	KIT-CONNECTING PLUG (6-PIN)						
			(INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)						
Y-SEPARATE ILLUSTRATION									
<END>									

ELECTRICAL AND STARTING SYSTEM

111-9843 WIRING GP - ENGINE

FOR USE WITH SHIELDED IGNITION SYSTEM
AN ATTACHMENT

SMCS-1000, 1408

i03025020

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	112-4563	1	HARNESS AS-WIRING						
	7N-9738	1	HOUSING-RECEPTACLE (14-GA TO 18-GA)						
	5S-7433	1	PLUG AS-CONNECTOR (2-PIN)						
	9G-3695	1	PLUG						
	7N-7779	1	SOCKET-CONNECTOR (14-GA TO 18-GA)						
D	5P-0653		WIRE (0.2-M)						
	9X-6772	3	STRAP-CABLE						
D-ORDER BY THE METER									

<END>

ELECTRICAL AND STARTING SYSTEM

6I-2761 WIRING GP-GENERATOR

AN ATTACHMENT

SMCS-1404, 1408, 4459

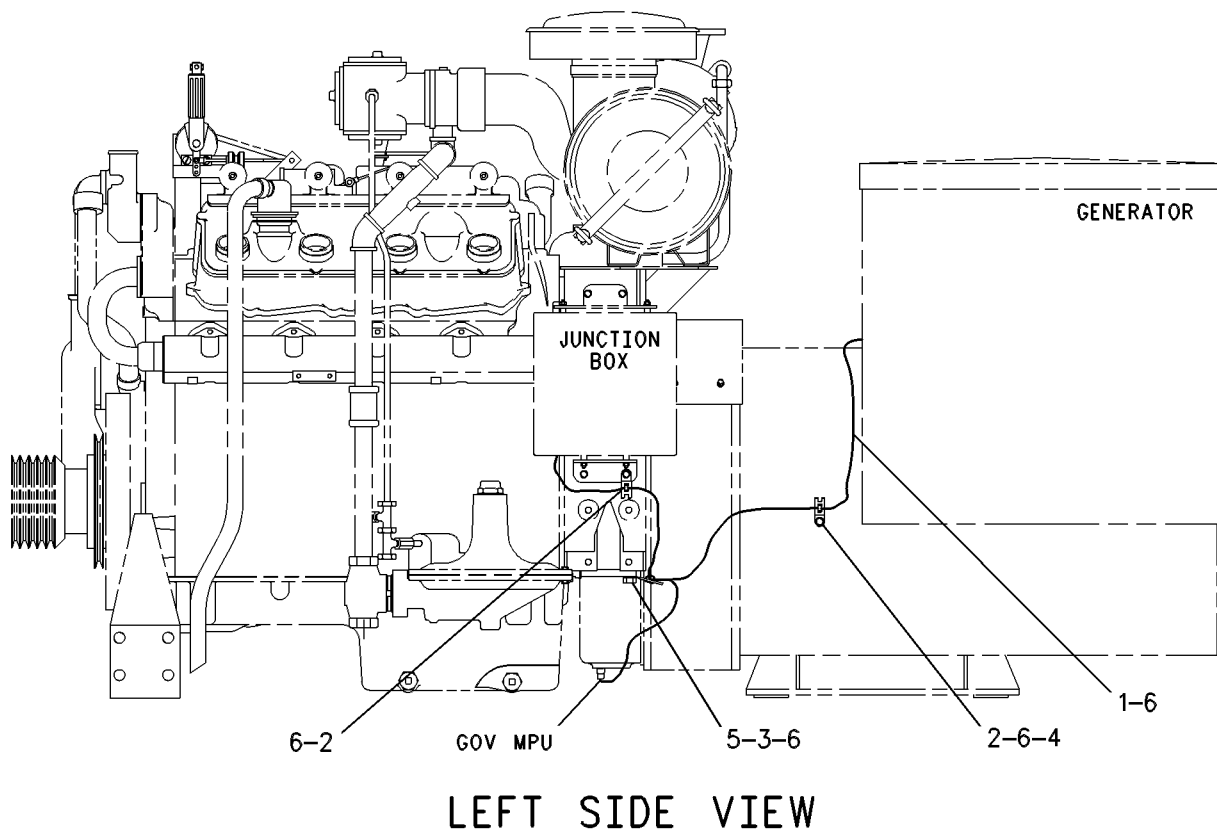
i03025006

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	6I-2873	1	HARNESS AS-BOX (INTERCONNECT)	
	2	1	4P-7581	2	CLIP	
	3	1	4P-7582	1	CLIP	
	4	1	8T-4205	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	5	1	0S-1624	1	BOLT (5/8-11X1-IN)	
	6	1	9X-6772	9	STRAP-CABLE	

ELECTRICAL AND STARTING SYSTEM

6I-2761 WIRING GP-GENERATOR (contd.)

i03025006



GRAPHIC #1

<END>

g00468244

ELECTRICAL AND STARTING SYSTEM

125 - 0959 WIRING GP - INSTRUMENT PANEL

PART OF 119-7252 PANEL GP - INSTRUMENT
FOR USE WITH NA IRRIGATION ENGINE WITHOUT GOVERNOR
AN ATTACHMENT

SMCS - 1408, 7451

i02169744

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
CY	245-8844	1	PANEL GP - INSTRUMENT						454
	6K-6967	1	ADAPTER - PIPE						
	5D-9231	1	CONNECTOR						
	2D-2751	1	GROMMET (WATER TEMPERATURE GAGE)						
	5L-2579	1	GROMMET (OIL PRESSURE GAGE)						
C	245-8846	1	HARNESS AS - PANEL (IRRIGATION)						
	257-6840	1	HARNESS AS - WIRING (TACHOMETER)						
	257-6841	1	HARNESS AS - WIRING (TACHOMETER)						
	257-6842	1	HARNESS AS - WIRING (TACHOMETER)						
B	1L-6561	3	PLUG (FRONT PANEL OPENINGS)						
B	6V-8541	3	PLUG - BUTTON (BACK PLATE OPENINGS)						
C	149-7208	1	TACHOMETER AS						

B - USE AS REQUIRED
C - CHANGE FROM PREVIOUS TYPE
Y - SEPARATE ILLUSTRATION

<END>

ELECTRICAL AND STARTING SYSTEM

125 - 1005 WIRING GP - INSTRUMENT PANEL

PART OF 119-7253 PANEL GP - INSTRUMENT
FOR USE WITH TA IRRIGATION ENGINE WITHOUT GOVERNOR
AN ATTACHMENT

SMCS-1408, 7451

i02364600

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
CY	245-8844	1	PANEL GP - INSTRUMENT						454
	6K-6967	1	ADAPTER - PIPE						
	5D-9231	1	CONNECTOR						
	114-3464	1	GAUGE - AIR TEMPERATURE						
	2D-2751	2	GROMMET						
	5L-2579	1	GROMMET						
C	245-8846	1	HARNESS AS - PANEL (IRRIGATION)						
C	4P-4890	1	NUT - SPECIAL (1/2-14-THD)						
CD	5P-6009		TUBE - HEAT SHRINK (9.52-MM DIA) (0.1-M)						
C	5S-7433	1	PLUG AS - CONNECTOR (2-PIN)						
C	7N-9737	1	HOUSING - PLUG (14-GA TO 18-GA)						
CE	8T-6342		TUBE - HEAT SHRINK (3.2-MM DIA) (5-CM)						
C	9G-3695	1	PLUG						
CE	121-0199		WRAP - SPIRAL (3/8-IN OD) (25-CM)						
	257-6840	1	HARNESS AS - WIRING (TACHOMETER)						
	1S-9593	6	STRAP - CABLE						
	5P-1475	4	TERMINAL - BLADE (14-GA TO 16-GA, NO. 8 SCREW)						
	257-6841	1	HARNESS AS - WIRING (TACHOMETER)						
	5P-1475	2	TERMINAL - BLADE (14-GA TO 16-GA, NO. 8 SCREW)						
	257-6842	1	HARNESS AS - WIRING (TACHOMETER)						
	1S-9593	2	STRAP - CABLE						
	5P-1475	2	TERMINAL - BLADE (14-GA TO 16-GA, NO. 8 SCREW)						
	1L-6561	1	PLUG						
	6V-8541	2	PLUG - BUTTON						
C	149-7208	1	TACHOMETER AS						
	7N-9194	1	TERMINAL						
	133-6623	1	WIRE AS						
C- CHANGE FROM PREVIOUS TYPE D- ORDER BY THE METER E- ORDER BY THE CENTIMETER Y- SEPARATE ILLUSTRATION									
<END>									

OPERATOR STATION

5N-5451 ALARM GP

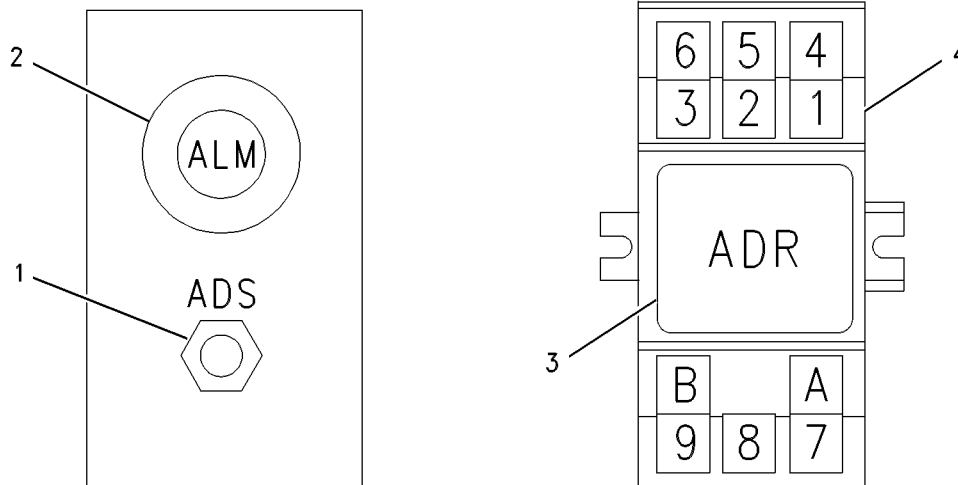
24 VOLT DC

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7400, 7407

i01160265

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3N-5716	1	SWITCH (ALARM DELAY)	
	2	1	3N-5762	1	HORN	
	3	1	3N-5714	1	RELAY AS (24-VOLT)	
	4	1	4W-8787	1	SOCKET-RELAY	



GRAPHIC #1

<END>

g00580285

OPERATOR STATION

5N-5452 ALARM GP

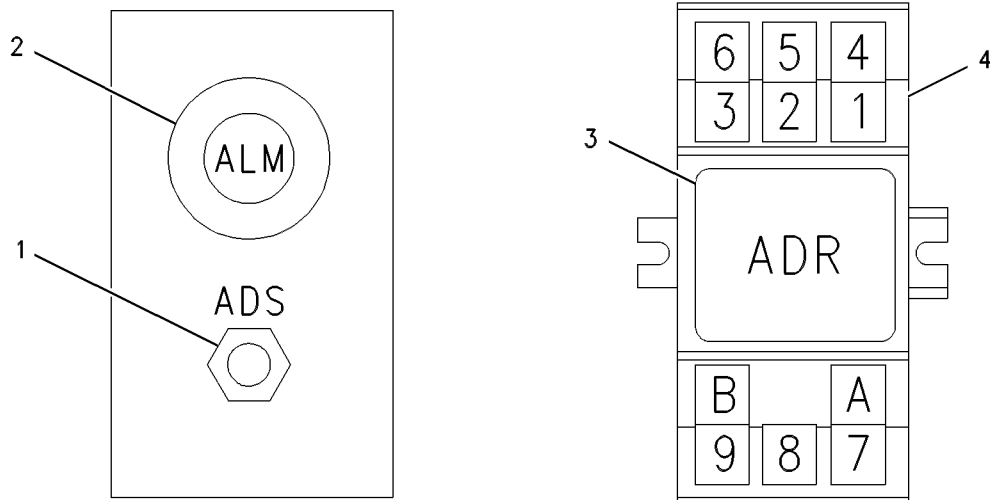
30-32 VOLT DC

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7400, 7407

i01160269

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3N-5716	1	SWITCH (ALARM DELAY)	
	2	1	3N-5762	1	HORN	
	3	1	5N-5498	1	RELAY (32-VOLT DC)	
C	4	1	4W-8787	1	SOCKET-RELAY	
C- CHANGE FROM PREVIOUS TYPE						



GRAPHIC #1

<END>

g00580219

OPERATOR STATION

8M-7892 AMMETER GP

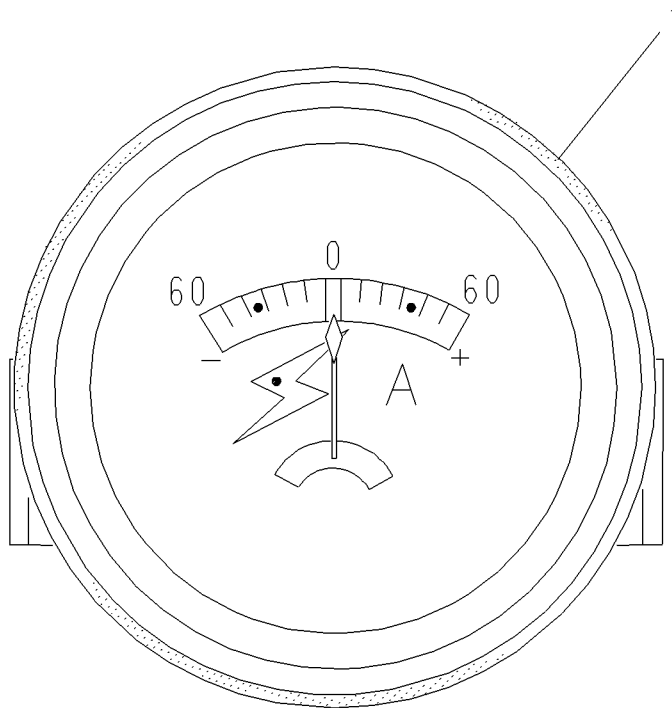
60-AMPERE

FOR USE WITH ALTERNATOR
AN ATTACHMENT

SMCS-7467

i02730585

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1W-8914	1	AMMETER AS (60-AMPERE)						
F			6V-3507	1	SEAL-RECTANGULAR						
F - NOT SHOWN											



GRAPHIC #1

<END>

g00917507

OPERATOR STATION

7E-1234 CONTROL GP-ALARM MODULE

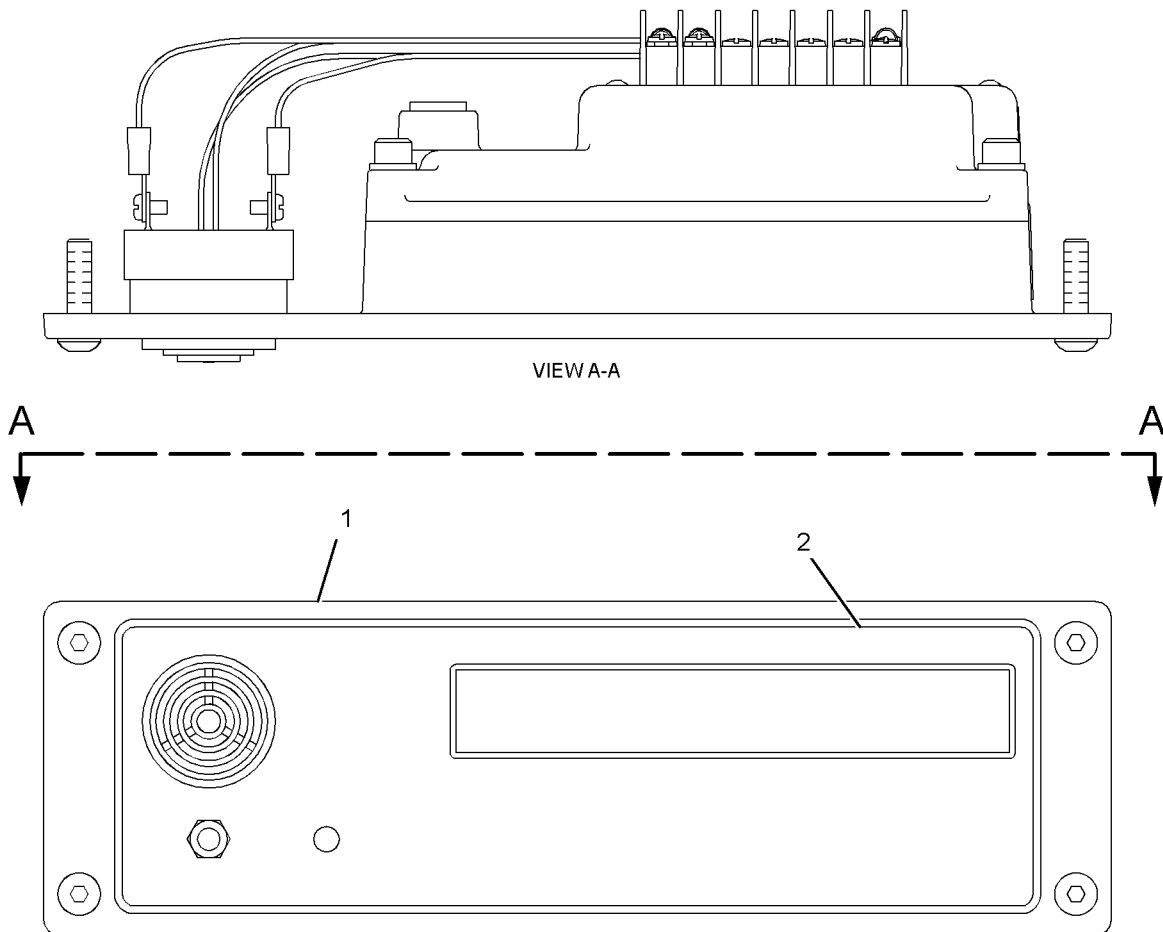
PART OF 103-4773 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-4490, 7407, 7490

i02809351

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	1	1	130-3349	1	CONTROL GP-ALARM MODULE	390
	2	1	9Y-9776	1	FILM-IDENTIFICATION	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01366671

OPERATOR STATION

9Y-2906 CONTROL GP-ALARM MODULE

NATIONAL FIRE PROTECTION ASSOCIATION 110

PART OF 103-4773 PANEL AR-CONTROL

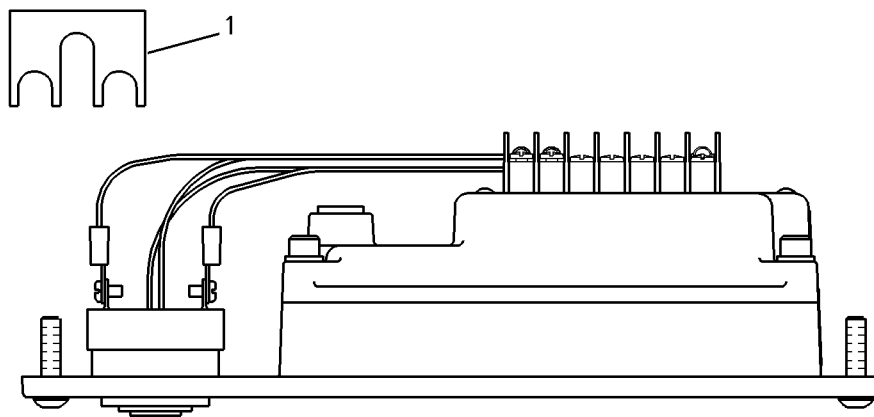
AN ATTACHMENT

SMCS-4490, 7407, 7490

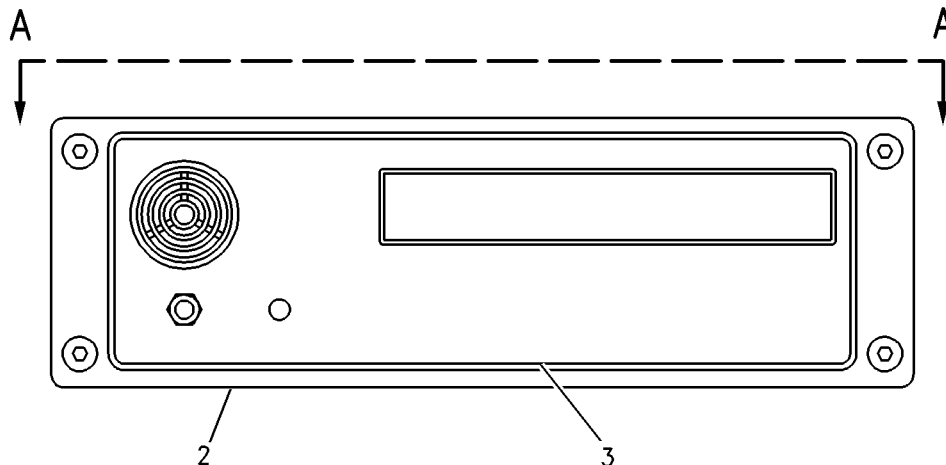
i02809411

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
B	1	1	8C-4646	1	STRAP-JUMPER	
YR	2	1	130-3349	1	CONTROL GP-ALARM MODULE	390
	3	1	7C-9130	1	FILM-IDENTIFICATION	

B-USE AS REQUIRED
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



VIEW A-A



GRAPHIC #1

<END>

g00658782

OPERATOR STATION

9Y-2907 CONTROL GP-ALARM MODULE

NATIONAL FIRE PROTECTION ASSOCIATION 99

PART OF 103-4773 PANEL AR-CONTROL

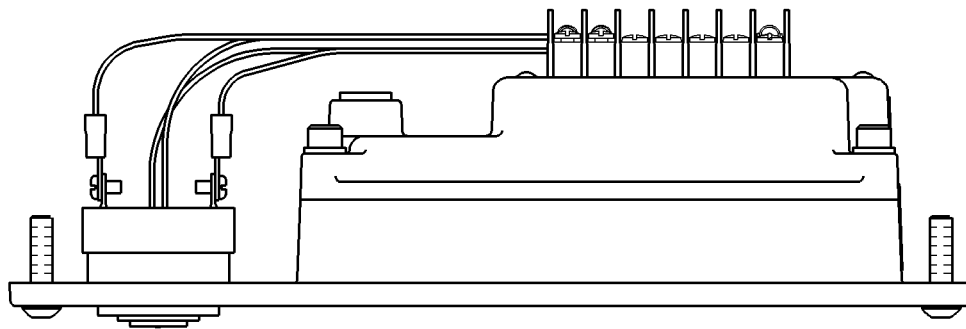
AN ATTACHMENT

SMCS-4490, 7407, 7490

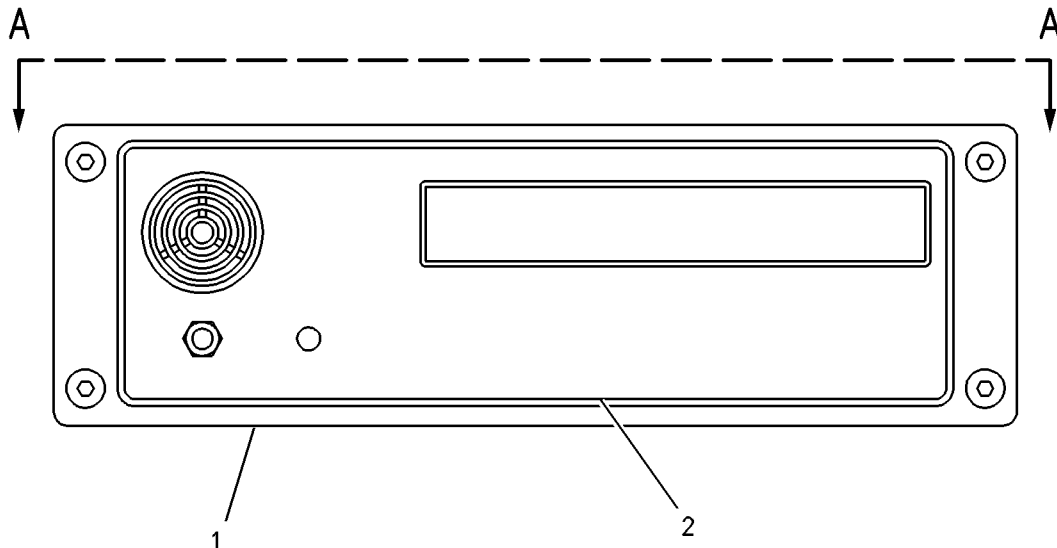
i02809412

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	1	1	130-3349	1	CONTROL GP-ALARM MODULE	390
	2	1	9Y-0947	1	FILM-IDENTIFICATION	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



VIEW A-A



GRAPHIC #1

<END>

g00658790

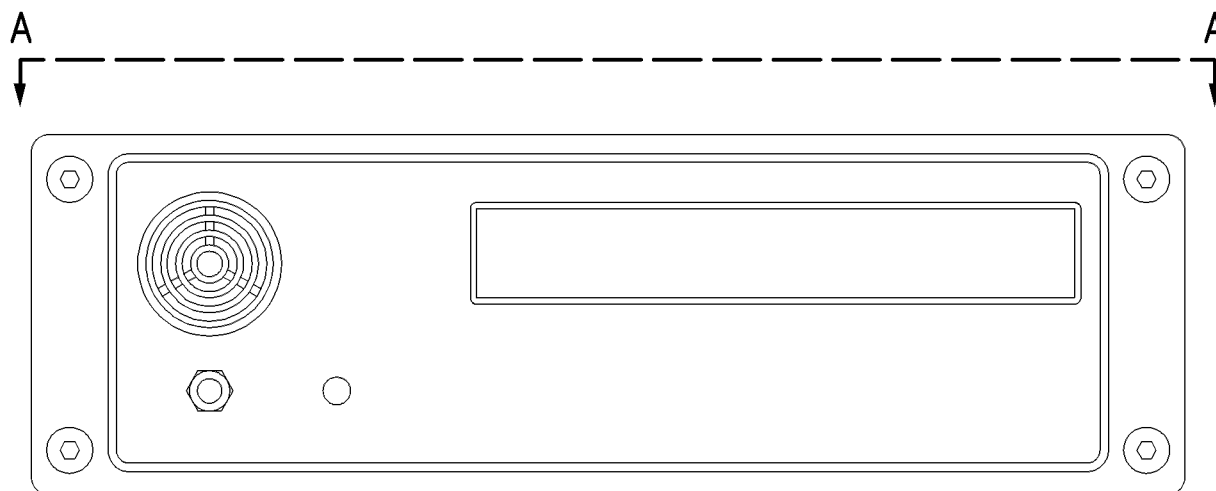
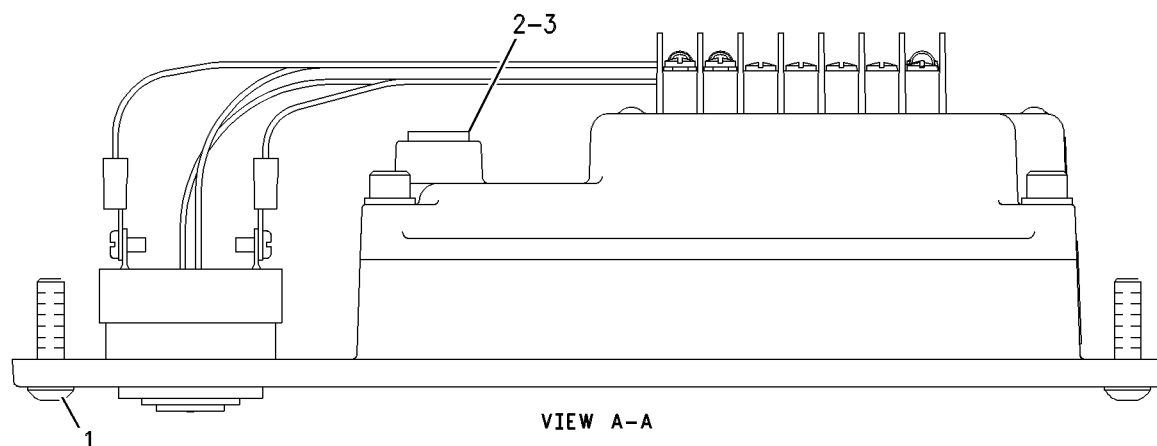
OPERATOR STATION

130-3349 CONTROL GP-ALARM MODULE*R PART OF 7E-1234, 9Y-2906, 9Y-2907 CONTROL GP-ALARM MODULE AN ATTACHMENT

SMCS-4490, 7407, 7490

i02172189

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9W-1464	4	SCREW (1/4-20X1-IN)						
	2	1	9S-8002	1	PLUG-O-RING						
	3	1	3J-7354	1	SEAL-O-RING						



GRAPHIC #1

<END>

g00664012

OPERATOR STATION

101-0225 CONTROL GP-EMCP ELECTRONIC*R

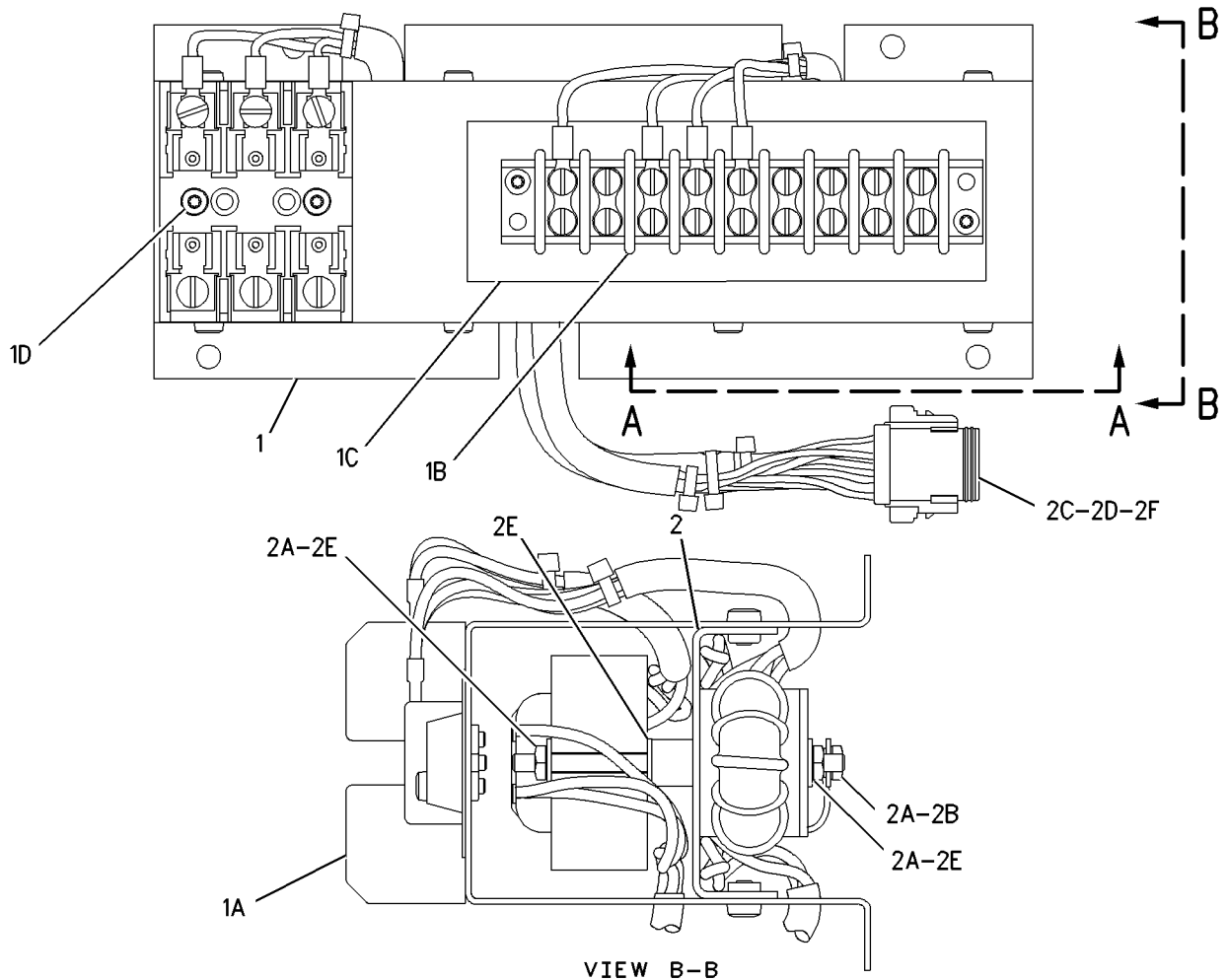
AC TRANSFORMER BOX

PART OF 103-4773 PANEL AR-CONTROL, 119-6031 PANEL GP-CONTROL
AN ATTACHMENT

SMCS-4490

i03025012

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	101-0222	1	HOUSING AS (TRANSFORMER BOX-EMCP II)						
	1A	1	3N-5977	1	BLOCK-FUSE (30-AMPERE)						
	1B	1	107-5696	1	STRIP-TERMINAL						
	1C	1	107-5907	1	FILM-IDENTIFICATION (TERMINAL MARKER)						
	1D	1	105-3410	4	NUT-CLINCH						
	2	1	101-5003	1	CHANNEL AS (TRANSFORMER-EMCP II)						
	2A	1	4B-2049	8	NUT (10-32-THD)						
	2B	1	8F-1434	1	LOCKWASHER						
	2C	1	8T-8730	8	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	2D	1	102-8816	1	SEAL						
	2E	1	4B-4274	11	WASHER (5.5X13X1.2-MM THK)						
	2F	1	155-2265	1	KIT-CONNECTING PLUG (8-PIN)						
					(INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)						



GRAPHIC #1

<END>

g00711481

OPERATOR STATION

102-8619 CONTROL GP-EMCP ELECTRONIC

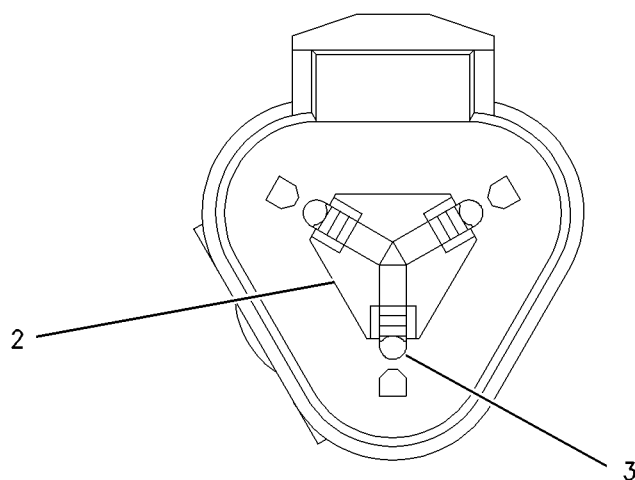
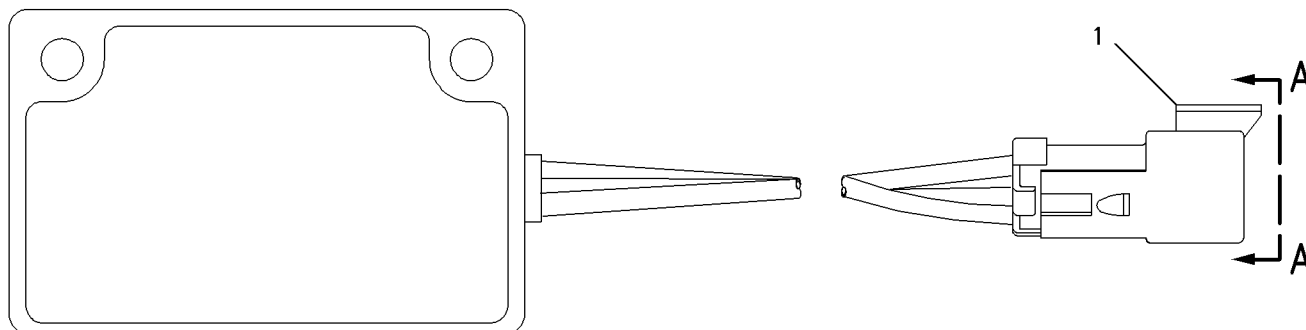
FUEL CONTROL TIMER

PART OF 111-7761 SHUTOFF GP-ELECTRICAL
AN ATTACHMENT

SMCS-4490

i02761983

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8803	1	KIT-RECEPTACLE (3-PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	2	1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3-PIN)						
	3	1	8T-8729	3	PIN-CONNECTOR						



VIEW A-A

GRAPHIC #1

<END>

g00798609

OPERATOR STATION

118-0175 CONTROL GP-EMCP ELECTRONIC*R

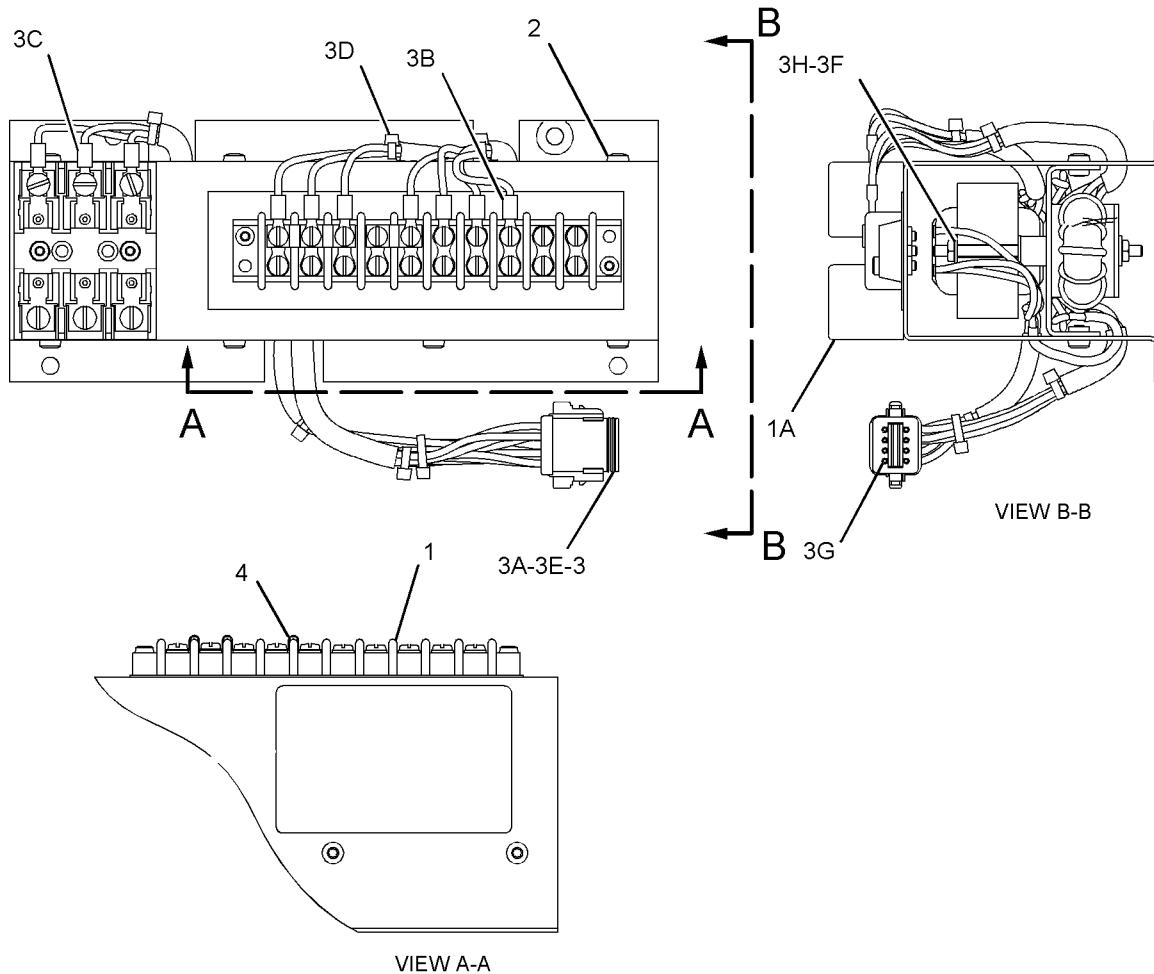
AC TRANSFORMER BOX +

PART OF 158-6171, 158-6172, 318-6263 CONVERSION AR
AN ATTACHMENT

SMCS-4490

i02070770

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-5276	1	STRIP-TERMINAL						
	1A	1	3N-5977	1	BLOCK-FUSE						
	2	1	108-8127	8	SCREW-PAN HEAD (10-24X0.25-IN)						
	3	1	3E-3386	1	WEDGE-PLUG LOCK						
	3A	1	155-2265	1	KIT-CONNECTING PLUG (8-PIN) (INCLUDES PLUG AS AND WEDGE)						
	3B	1	5P-1475	7	TERMINAL-BLADE (14-GA TO 16-GA, NO. 8 SCREW)						
	3C	1	5P-1476	3	TERMINAL-BLADE (14-GA TO 16-GA, NO. 10 SCREW)						
	3D	1	8L-8413	16	STRAP-CABLE						
	3E	1	186-3736	5	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	3F	1	4B-2049	9	NUT (10-32-THD)						
	3G	1	186-3736	3	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	3H	1	4B-4274	15	WASHER (5.5X13X1.2-MM THK)						
	4	1	5N-5159	3	JUMPER-STRIP						



GRAPHIC #1

<END>

g01060785

OPERATOR STATION

133-6350 CONTROL GP-EMCP ELECTRONIC*R

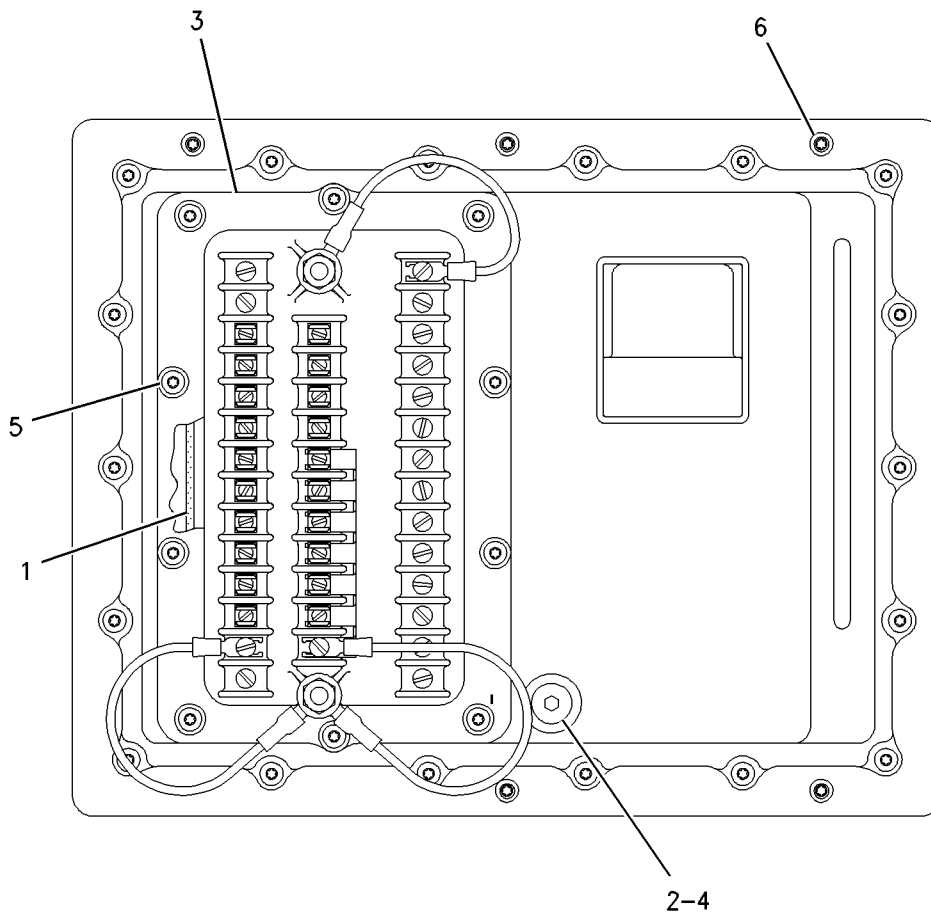
GENERATOR SET
PART OF 103-4773 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-4490

i02481500

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1S-4974	1	SEAL-O-RING						
	2	1	3J-7354	1	SEAL-O-RING						
	3	1	108-8500	1	CONTROL GP-ELECTRONIC (RELAY MODULE)						
	4	1	9S-8002	1	PLUG-O-RING						
	5	1	4B-4863	10	WASHER (4.7X11X1.2-MM THK)						
	6	1	9W-1464	6	SCREW (1/4-20X1-IN)						
F		1	4P-6407	1	FILM-EMCP II (GRAPHIC/TEXT)						
F		1	130-9716	1	FILM-INFORMATION (CONTROL PANEL) (EMCP II - GRAPHIC/TEXT)						

F - NOT SHOWN



GRAPHIC #1

<END>

g00711045

OPERATOR STATION

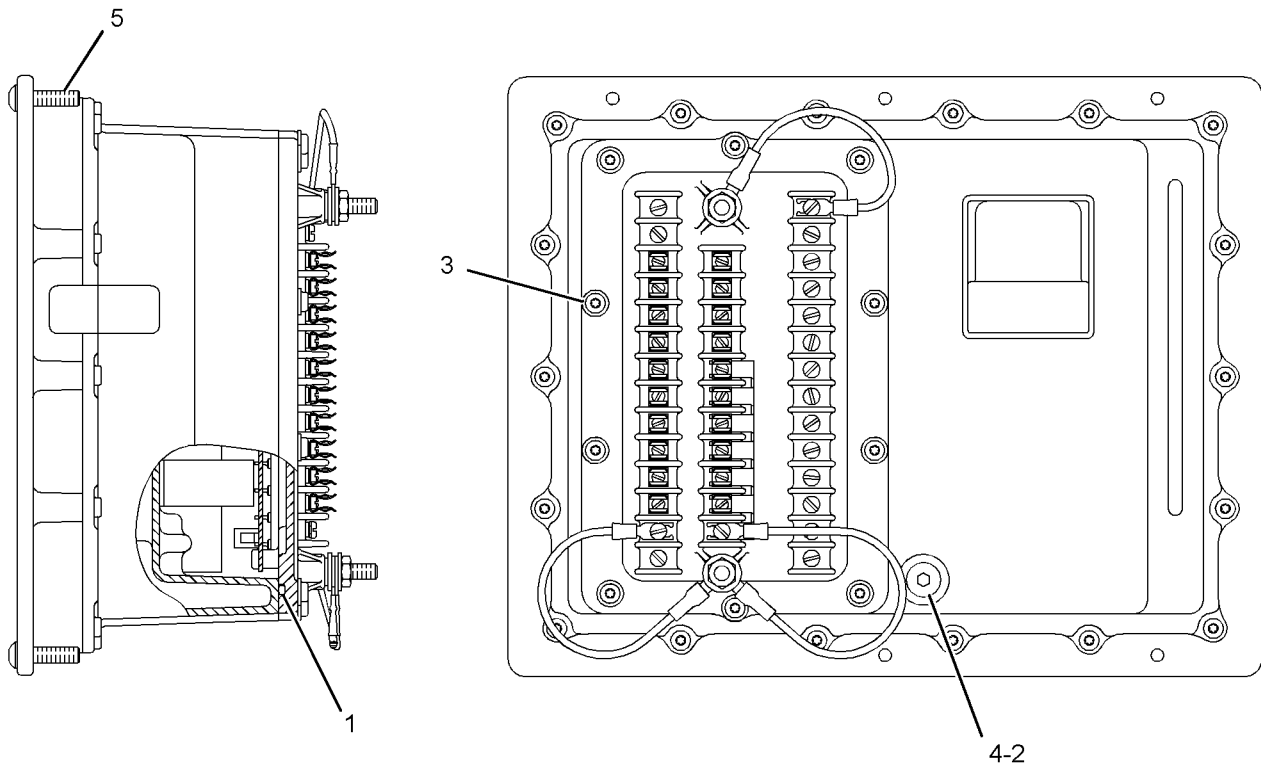
137-5525 CONTROL GP-EMCP ELECTRONIC*R

GENERATOR SET CONTROL +
PART OF 137-5526 CONTROL GP-EMCP ELECTRONIC
AN ATTACHMENT

SMCS-4490

i02450520

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1S-4974	1	SEAL-O-RING						
	2	1	3J-7354	1	SEAL-O-RING						
	3	1	4B-4863	10	WASHER (4.7X11X1.2-MM THK)						
	4	1	9S-8002	1	PLUG-O-RING						
	5	1	9W-1464	6	SCREW (1/4-20X1-IN)						



GRAPHIC #1

<END>

g01223444

OPERATOR STATION

137-5526 CONTROL GP-EMCP ELECTRONIC

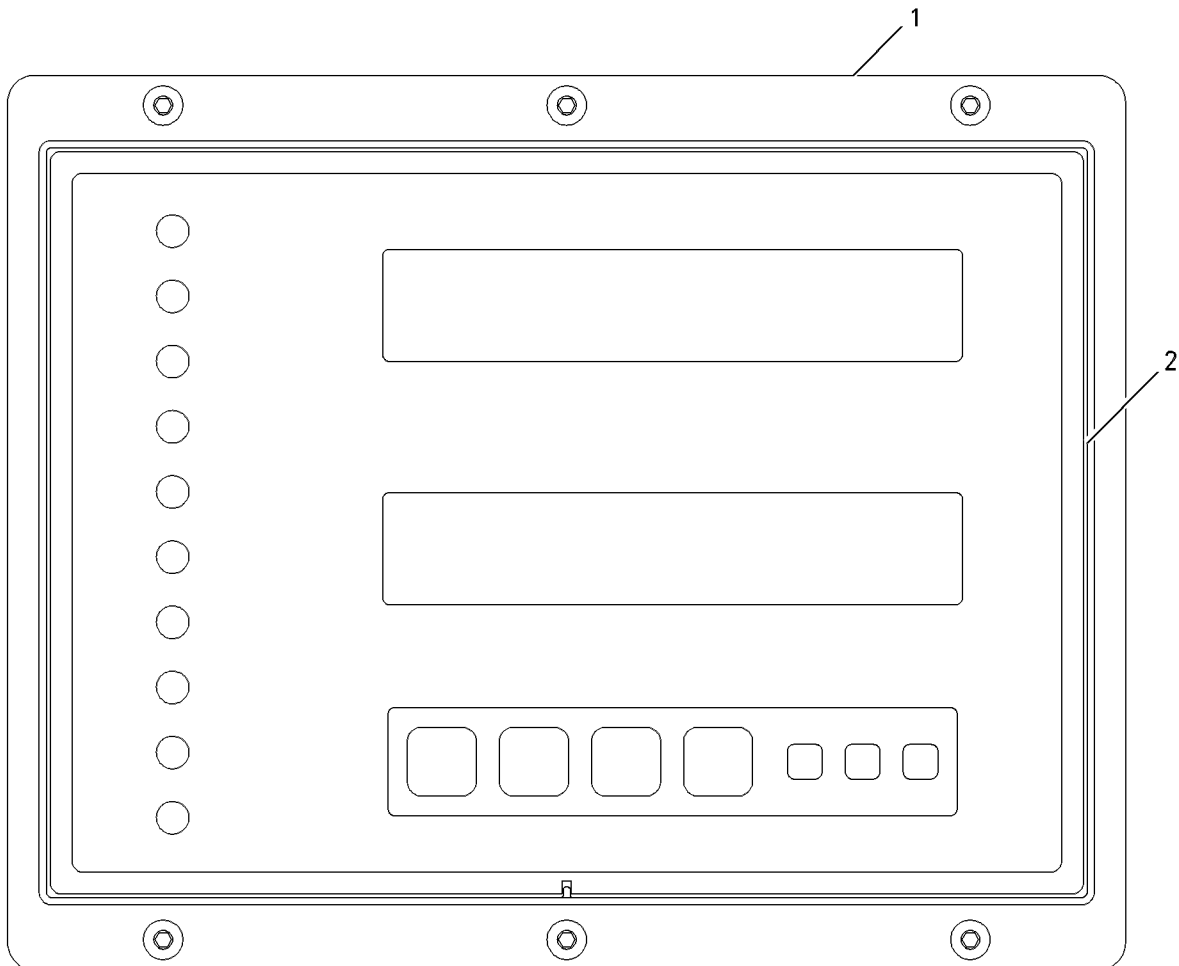
GENERATOR SET CONTROL +
PART OF 158-6171, 158-6172, 318-6263 CONVERSION AR
AN ATTACHMENT

SMCS-4490

i02068593

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	1	1	137-5525	1	CONTROL GP-EMCP ELECTRONIC (GENERATOR SET CONTROL +)	395
	2	1	130-9715	1	FILM-CONTROL PANEL (GENERATOR SET CONTROL +)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00577479

OPERATOR STATION

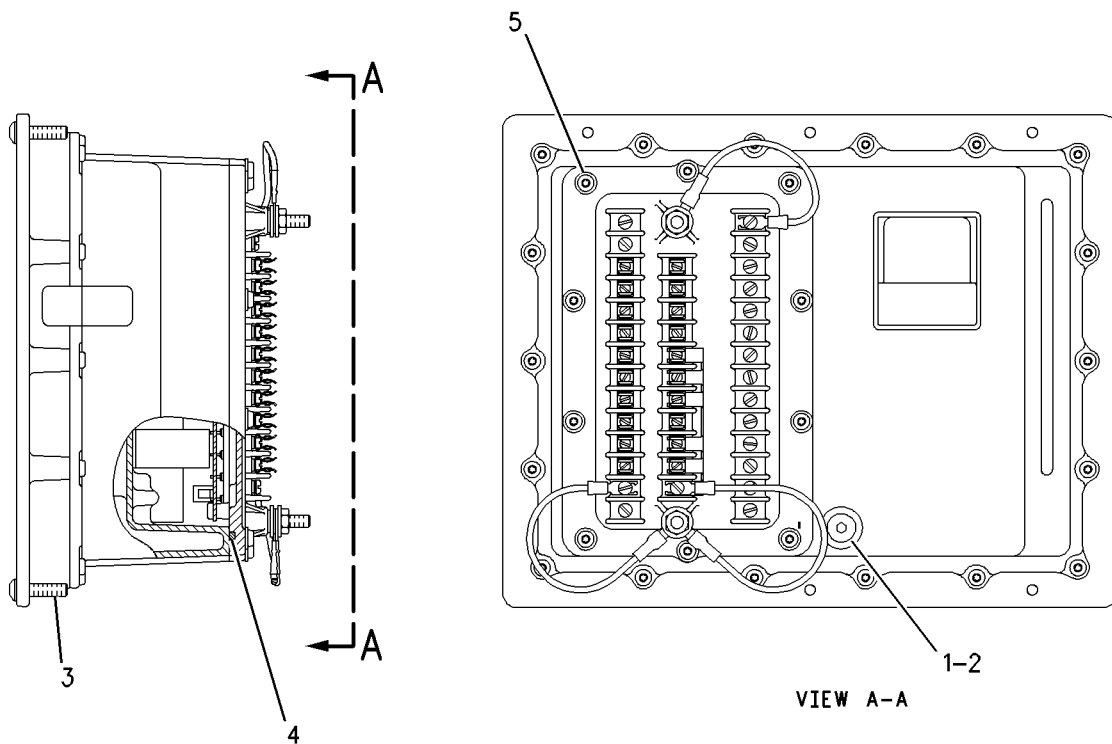
151-6260 CONTROL GP-EMCP ELECTRONIC*R

PART OF 151-6261 CONTROL GP-EMCP ELECTRONIC, 119-6031 PANEL GP-CONTROL
AN ATTACHMENT

SMCS-4490

i02183412

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-8002	1	PLUG-O-RING						
	2	1	3J-7354	1	SEAL-O-RING						
	3	1	9W-1464	6	SCREW (1/4-20X1-IN)						
	4	1	1S-4974	1	SEAL-O-RING						
	5	1	4B-4863	10	WASHER (4.7X11X1.2-MM THK)						
F		1	4P-6407	1	FILM-EMCP II						
F - NOT SHOWN											



GRAPHIC #1

<END>

g00949704

OPERATOR STATION

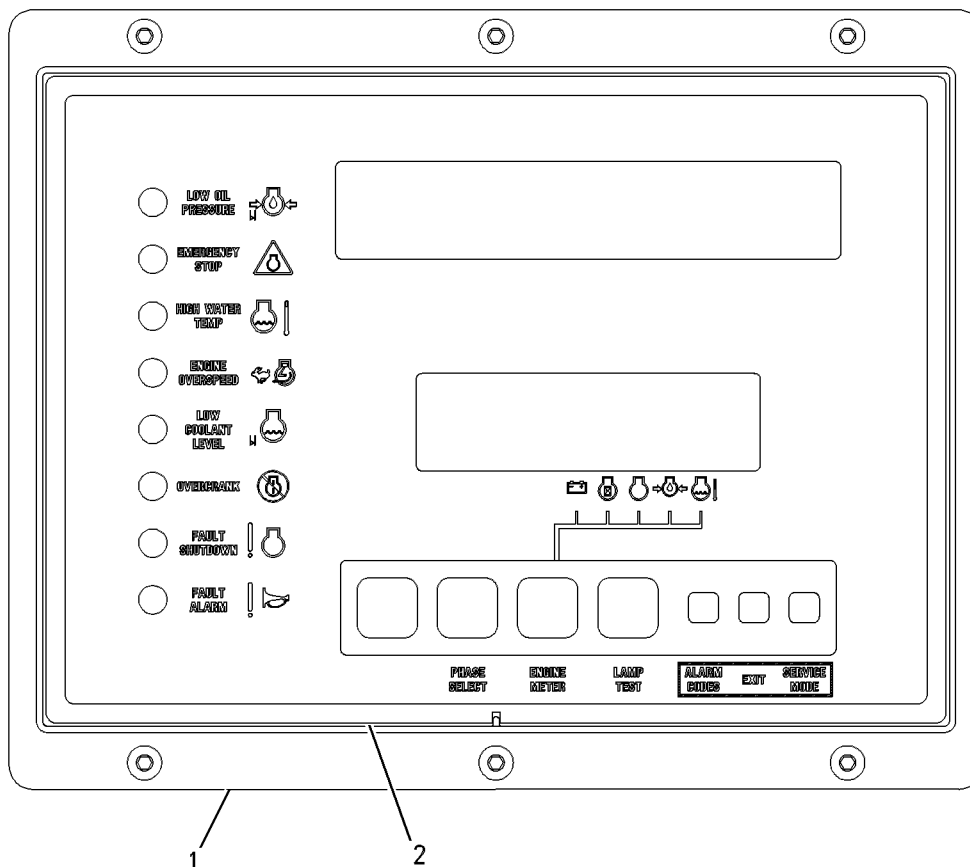
151-6261 CONTROL GP-EMCP ELECTRONIC AN ATTACHMENT

SMCS-4490

i01838164

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	151-6260	1	CONTROL GP-EMCP ELECTRONIC	397
	2	1	4P-6407	1	FILM-EMCP II	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00362700

OPERATOR STATION

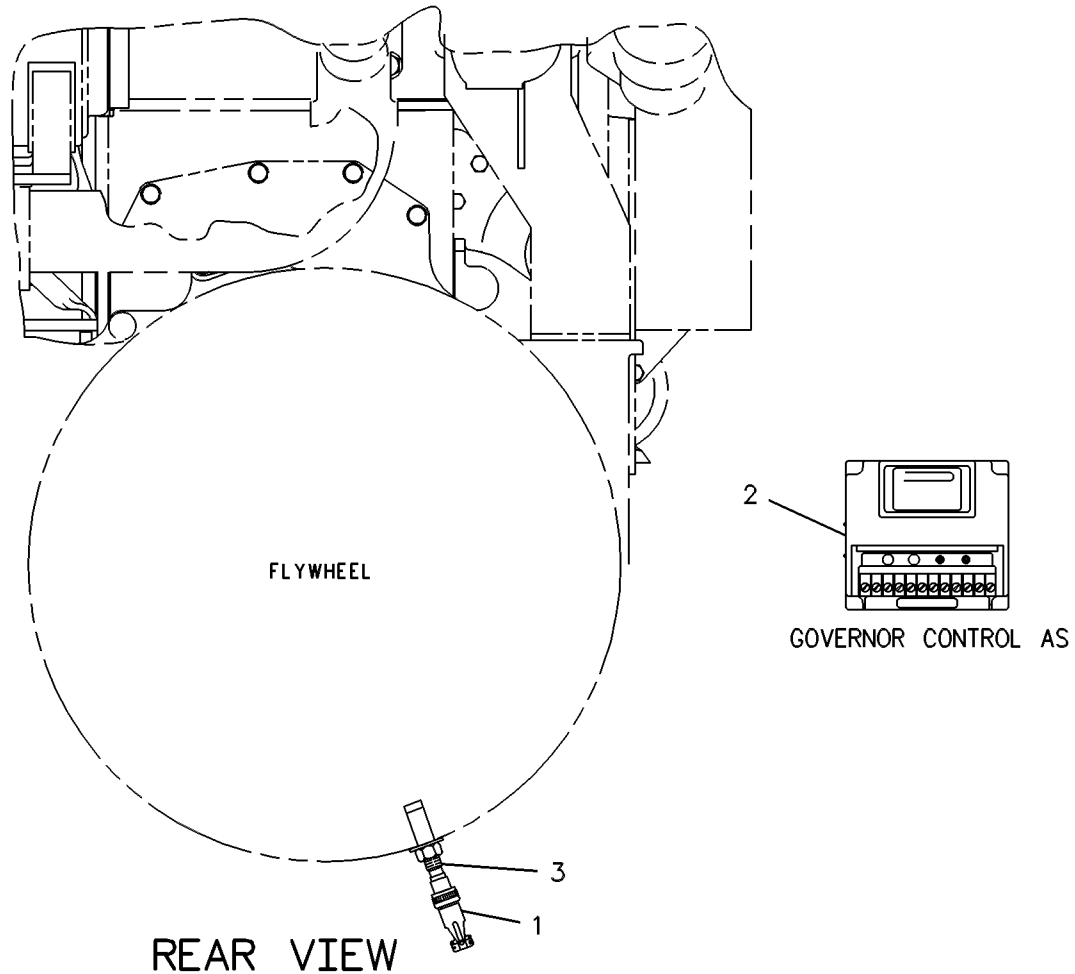
4P-5468 CONTROL GP-ENGINE MONITORING

AN ATTACHMENT

SMCS-1901, 7490

i03025003

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	5S-7433	1	PLUG AS-CONNECTOR (2-PIN)	
	2	1	131-5456	1	CONTROL AS-GOVERNOR	
Y	3	1	4P-3483	1	SENSOR GP-SPEED (ENGINE)	331
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00255083

OPERATOR STATION

103-6101 CONTROL GP-ENGINE MONITORING

WATER TEMPERATURE / OIL PRESSURE MODULE

AN ATTACHMENT

SMCS-1901, 7490

i02672297

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	145-2362	1	SENSOR GP-PRESSURE (ENGINE OIL)	328
			-OR-	
Y	216-8684	1	SENSOR GP-PRESSURE (ENGINE OIL)	329
Y	102-0050	1	SENSOR GP-TEMPERATURE (WATER)	337
	3S-2093	2	STRAP-CABLE	
Y-SEPARATE ILLUSTRATION				

<END>

OPERATOR STATION

4W-9904 DOOR GP-ACCESS

360-FRAME

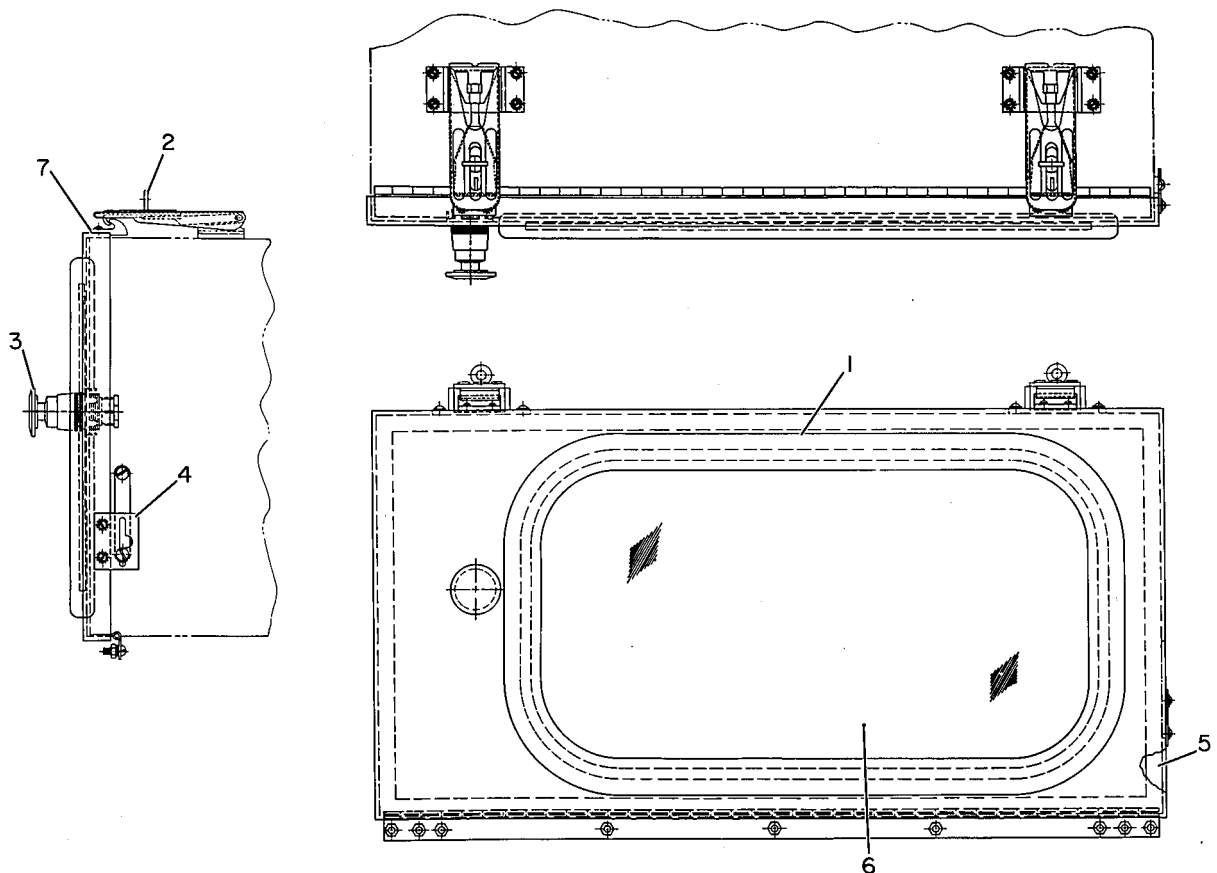
PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7251, 7273

i00716355

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
BD	1	1	5P-5906		SEAL						
	2	1	9D-3019	2	CATCH						
	3	1	4W-9908	1	BUTTON AS-PUSH						
	4	1	4W-9907	1	HINGE AS						
BD	5	1	5P-5637		SEAL						
	6	1	4W-9905	1	WINDOW						
	7	1	9D-3017	2	STRIKER						

B-USE AS REQUIRED
D-ORDER BY THE METER



GRAPHIC #1

<END>

g00167733

OPERATOR STATION

7W-0202 DOOR GP-ACCESS

440-FRAME AND 580-FRAME

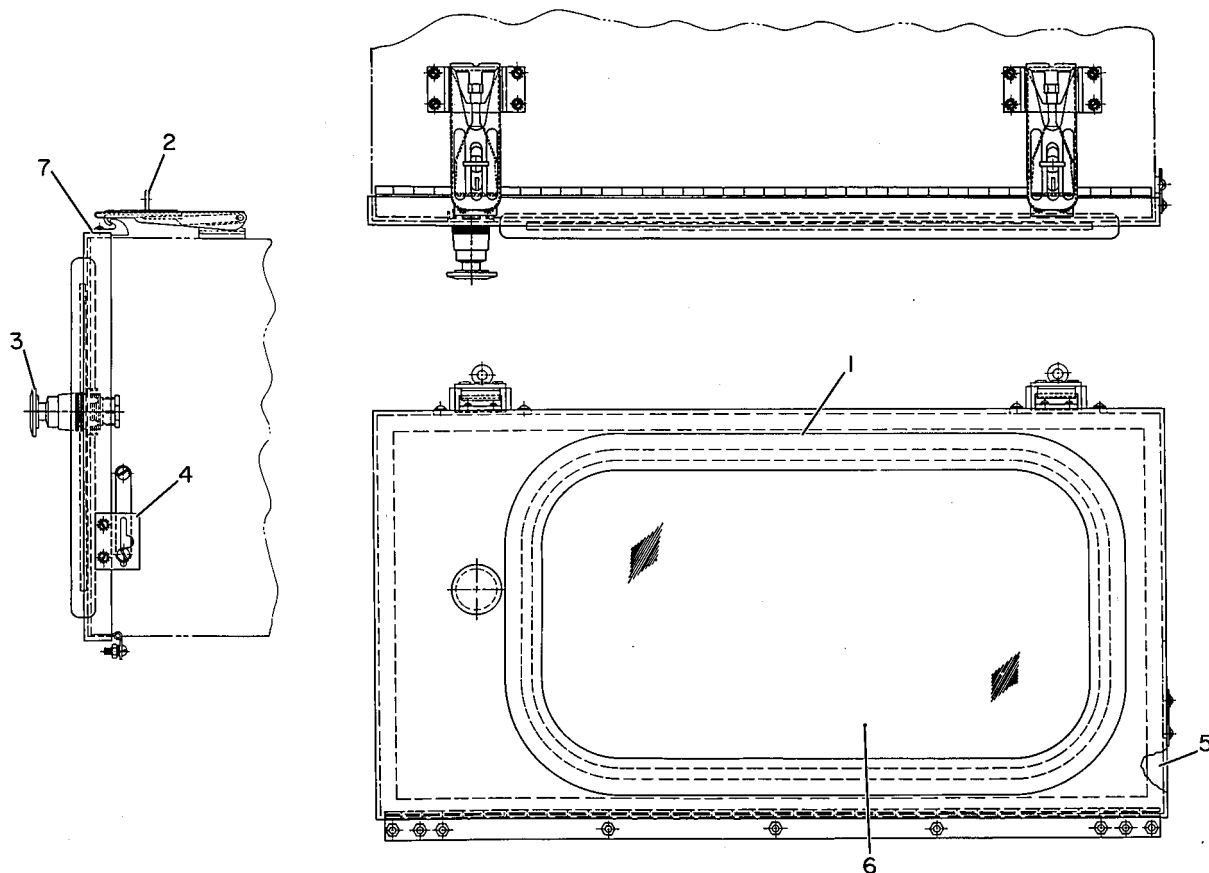
PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7251, 7273

i02183285

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
BD	1	1	5P-5906	2	SEAL						
	2	1	9D-3019	2	CATCH						
	3	1	4W-9908	1	BUTTON AS-PUSH						
	4	1	4W-9907	1	HINGE AS						
BD	5	1	5P-5637		SEAL						
	6	1	4W-9905	1	WINDOW						
	7	1	9D-3017	2	STRIKER						

B-USE AS REQUIRED
D-ORDER BY THE METER



GRAPHIC #1

<END>

g00167733

OPERATOR STATION

4W-0483 GAUGE GP-COOLANT TEMPERATURE

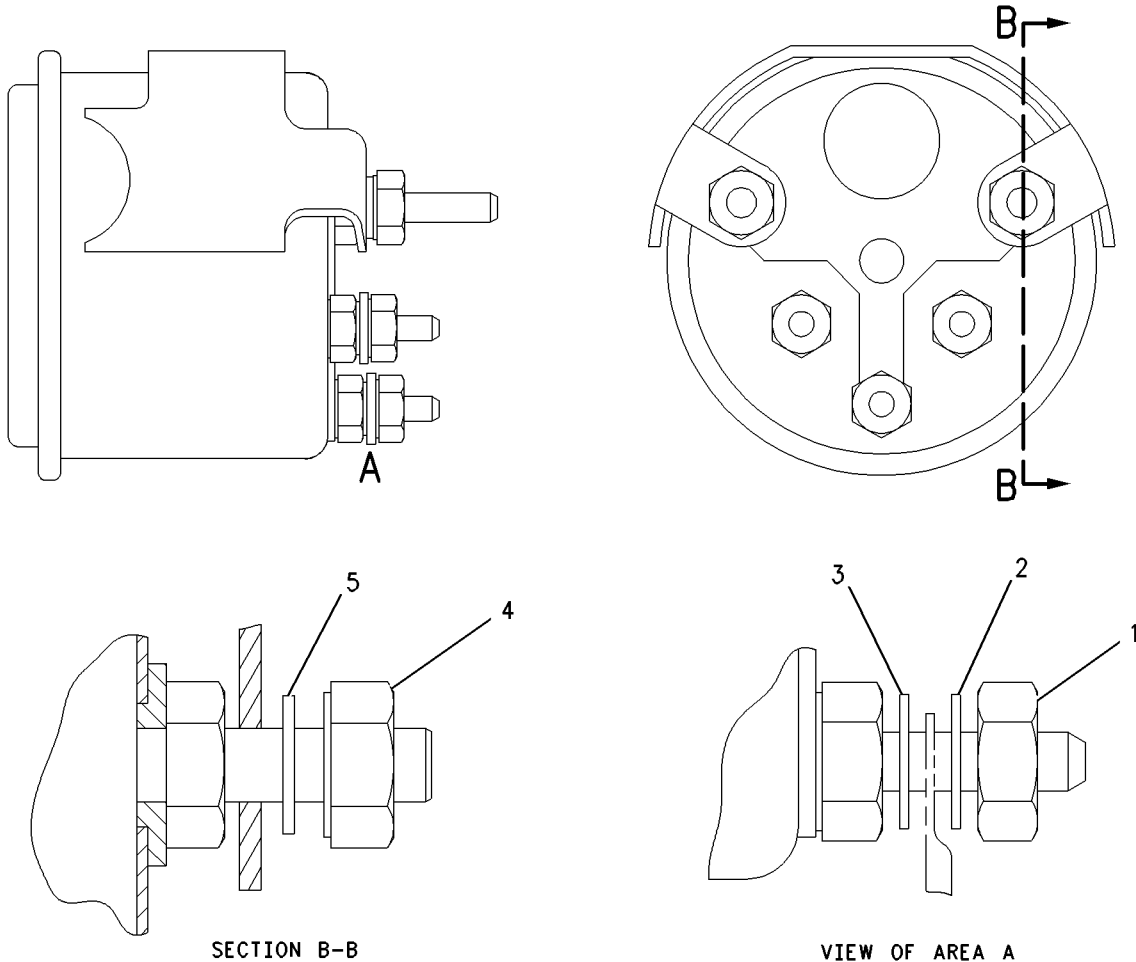
24 VOLT

PART OF 4P-4898 PANEL AR-CONTROL
FOR USE WITH LED BACKLIGHTING
AN ATTACHMENT

SMCS-7450, 7453

i01728836

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-8368	3	NUT (6-32-THD)						
	2	1	4B-5324	3	WASHER (3.9X9.6X1.2-MM THK)						
	3	1	3L-8187	3	LOCKWASHER						
	4	1	6V-8377	2	NUT (8-32 THD)						
	5	1	9B-7233	2	LOCKWASHER						
F		1	6V-3507	1	SEAL -RECTANGULAR						
F - NOT SHOWN											



GRAPHIC #1

<END>

g00905559

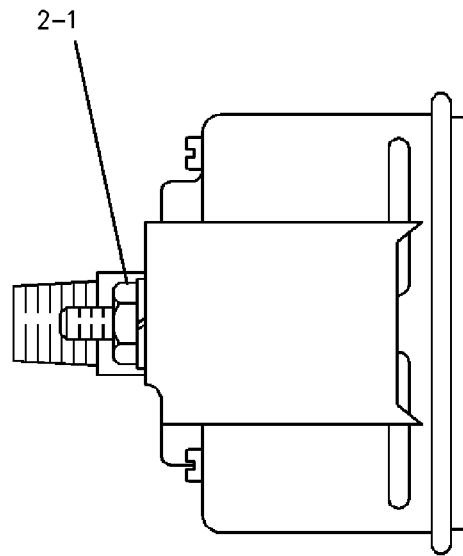
OPERATOR STATION

6L - 1604 INDICATOR AS-VACUUM AN ATTACHMENT

SMCS-7461

i01791174

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4B-2049	2	NUT (10-32-THD)						
	2	1	8F-1434	2	LOCKWASHER						



GRAPHIC #1

<END>

g00917501

OPERATOR STATION

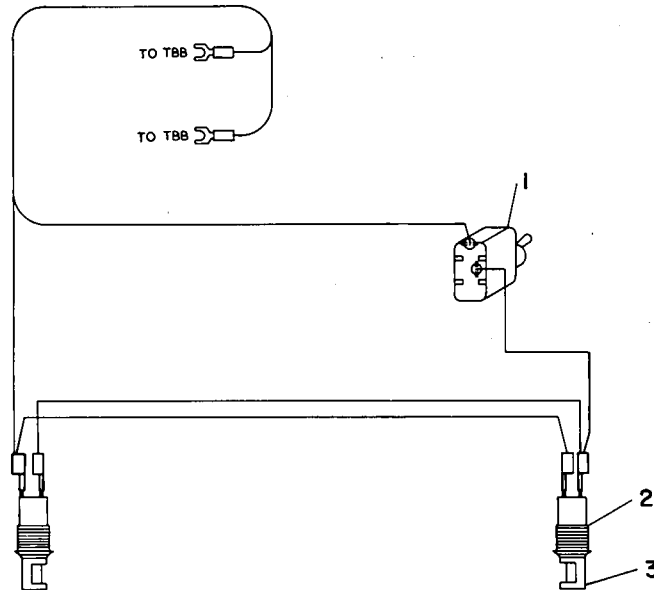
4W-8183 LAMP GP-PANEL ILLUMINATION

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-4490, 7451

i02240186

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-5079	1	SWITCH-TOGGLE (LAMP)						
	2	1	7G-9730	2	SOCKET AS-LAMP (CLEAR)						
					(EACH INCLUDES)						
		1	6V-8367	1	LOCKWASHER						
		1	6V-8382	1	NUT-HEX (11/16-27-THD)						
	3	1	7N-5876	2	LAMP (24-VOLT, 5.6-WATT) (CLEAR)						



GRAPHIC #1

<END>

g00209993

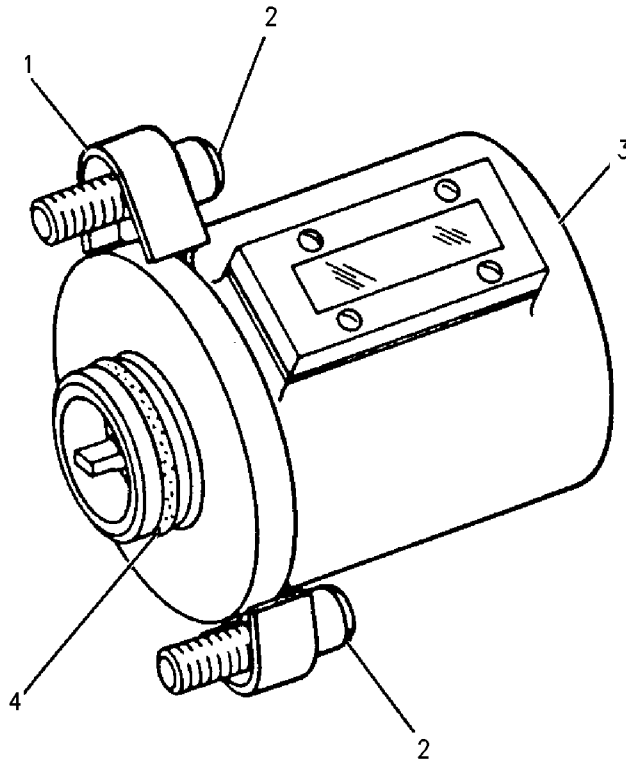
OPERATOR STATION

7N-9261 METER GP-SERVICE AN ATTACHMENT

SMCS-7478

i01471384

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-0211	2	CLAMP-METER						
	2	1	8H-3127	2	BOLT (1/4-20X0.75-IN)						
J	3	1	4N-6657	1	METER GP-SERVICE						
	4	1	4M-8303	1	SEAL-O-RING						
AVAILABLE REPAIR KIT(S) :											
J			1P-4923	1	KIT-SERVICE METER						
(INCLUDES WINDOW, COVER, GASKET AND SCREW)											
J-KIT MARKED J AVAILABLE FOR PART MARKED J											



GRAPHIC #1

<END>

g00767818

OPERATOR STATION

4W-8006 MODULE GP-ALARM

NFPA, 99-AMPERES

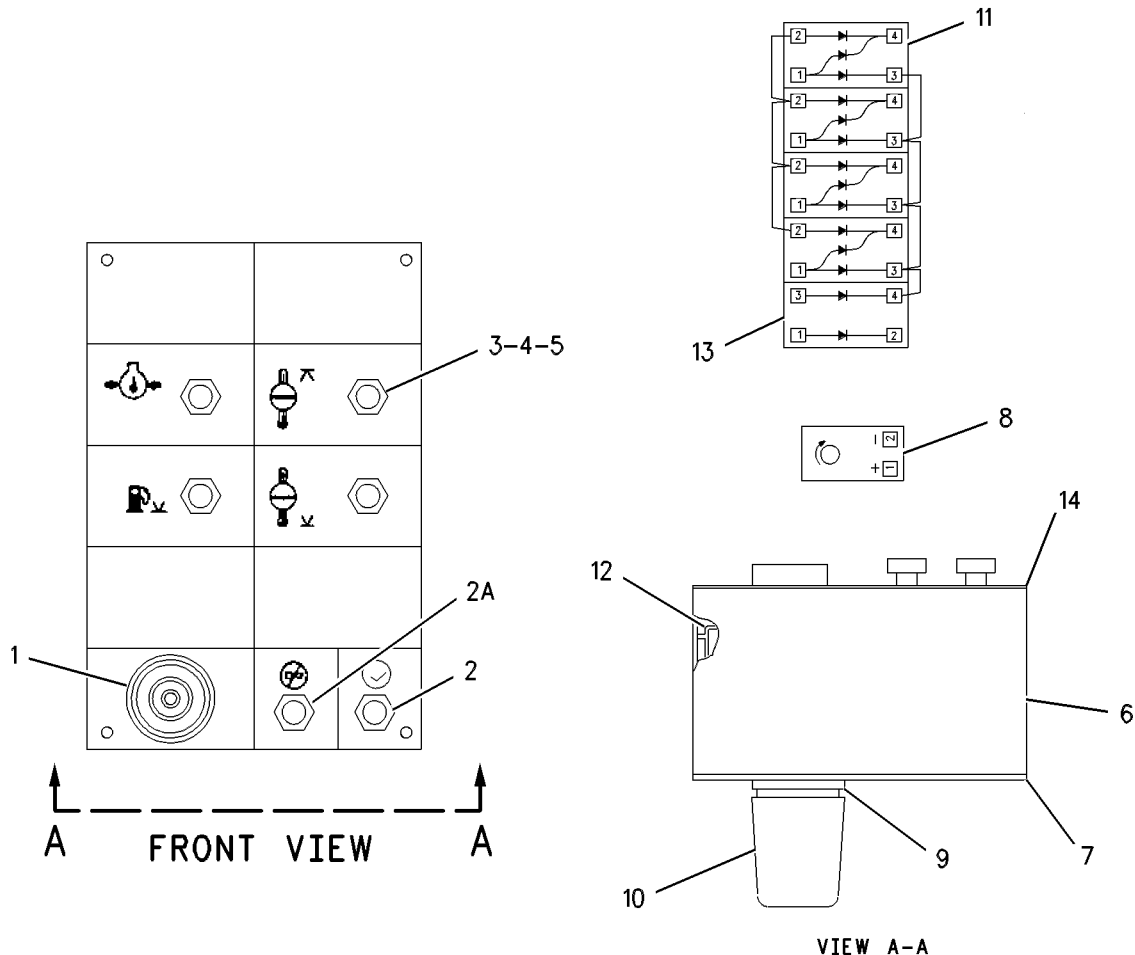
PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7400

i02232988

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3N-5762	1	HORN	
	2	1	3N-5716	1	SWITCH (PUSH BUTTON) (LAMP)	
	2A	1	3N-5716	1	SWITCH (PUSH BUTTON) (HORN SILENCE)	
	3	1	7C-3512	4	HOUSING AS-LAMP	
	4	1	3N-5719	4	LAMP (24-VOLT) (CLEAR)	
	5	1	7C-3513	4	LENS-LAMP (AMBER)	
	6	1	7C-3517	1	BRACKET	
	7	1	7C-3518	1	PLATE-RELAY	
	8	1	3N-5978	1	TIMER AS-ON DELAY	
	9	1	4W-8743	2	SOCKET-RELAY	
	10	1	3N-5714	2	RELAY AS (24-VOLT) (ALARM DISCONNECT/TIME DELAY)	
	11	1	7C-3515	4	DIODE AS	
E	12	1	6V-1075		TRACK-RELAY (18-CM)	
	13	1	5N-5502	1	DIODE AS (1-AMPERE, 800-PIV)	
	14	1	7C-0957	1	FILM-MODULE (ALARM) (NFPA-99)	

E- ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00617442

OPERATOR STATION

7C-3084 MODULE GP-ALARM

NFPA - 110 AMPERES

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7400

i03025008

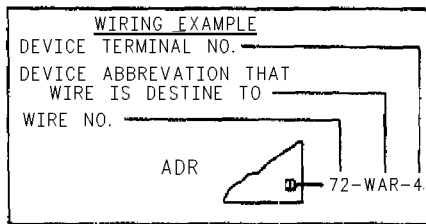
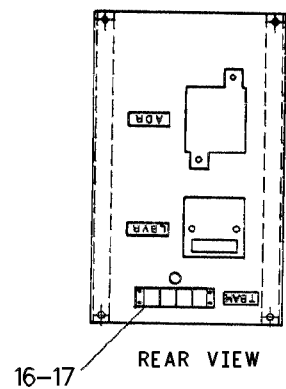
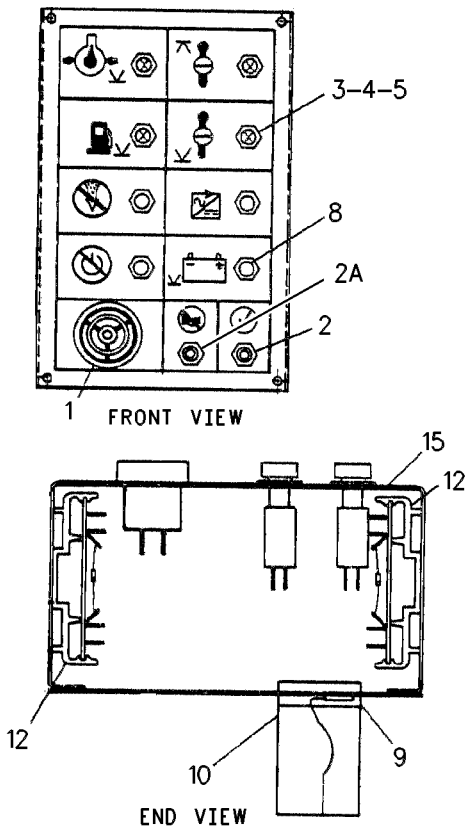
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-5762	1	HORN						
	2	1	3N-5716	1	SWITCH (PUSH BUTTON) (LAMP)						
	2A	1	3N-5716	1	SWITCH (PUSH BUTTON) (HORN SILENCE)						
	3	1	7C-3512	8	HOUSING AS-LAMP						
	4	1	3N-5719	8	LAMP (24-VOLT)						
	5	1	7C-3513	4	LENS-LAMP (AMBER)						
	8	1	7C-3514	4	LENS-LAMP (RED)						
	9	1	4W-8743	1	SOCKET-RELAY						
	10	1	3N-5714	1	RELAY AS (24-VOLT)						
	11	1	7C-3515	8	DIODE AS						
E	12	1	6V-1075		TRACK-RELAY (26-CM)						
	13	1	5N-5502	1	DIODE AS						
	14	1	7C-3508	1	RELAY-LOW BATTERY						
	15	1	7C-0958	1	FILM-MODULE (ALARM, NFPA 110)						
	16	1	7C-3516	1	MARKER						
	17	1	4D-6066	1	STRIP-TERMINAL						

E-ORDER BY THE CENTIMETER

OPERATOR STATION

7C-3084 MODULE GP-ALARM (contd.)

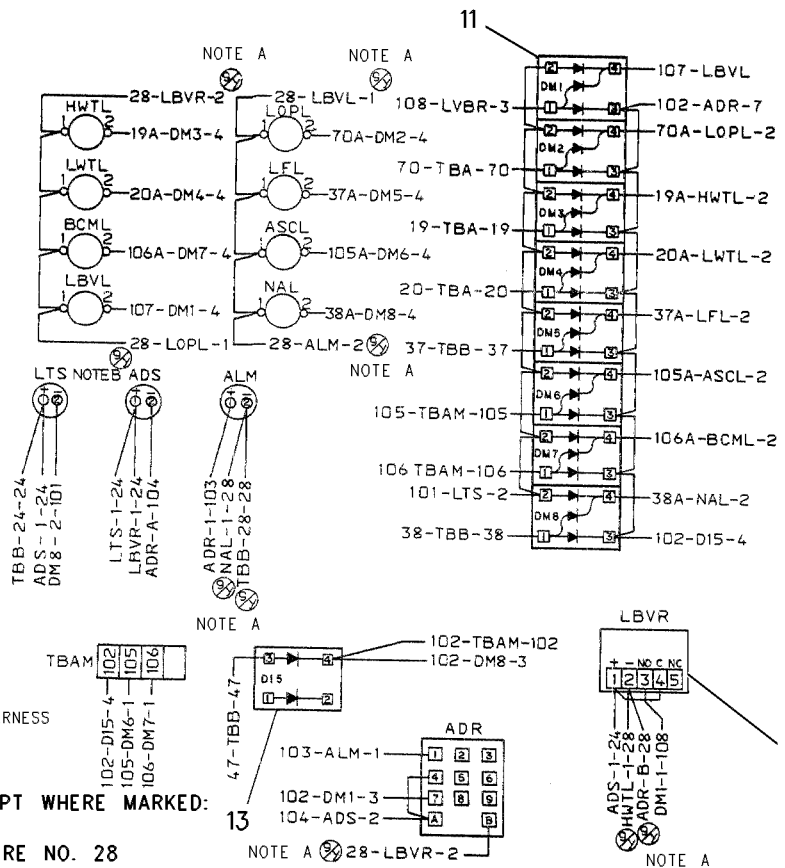
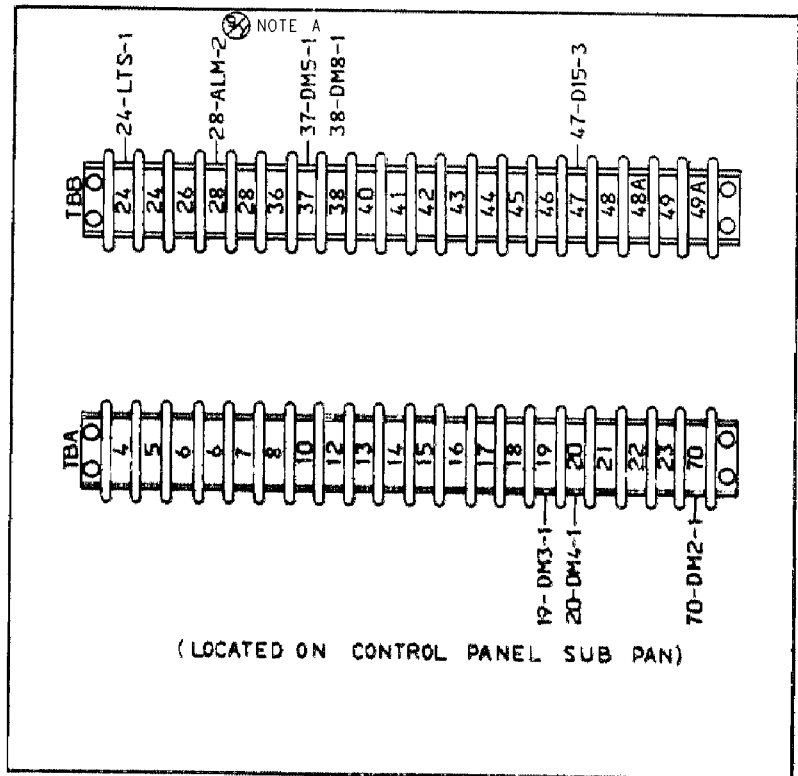
i03025008



(WIRING DIAGRAM)

WIRES GOING TO T.B. SHOULD BE FORMED INTO A HARNESS

NOTE A: WIRE TO BE NO. 20 AWG EXCEPT WHERE MARKED:
 (3) GREEN WITH YELLOW STRIPE
 18 GA AWG (GROUND), ALL WIRE NO. 28



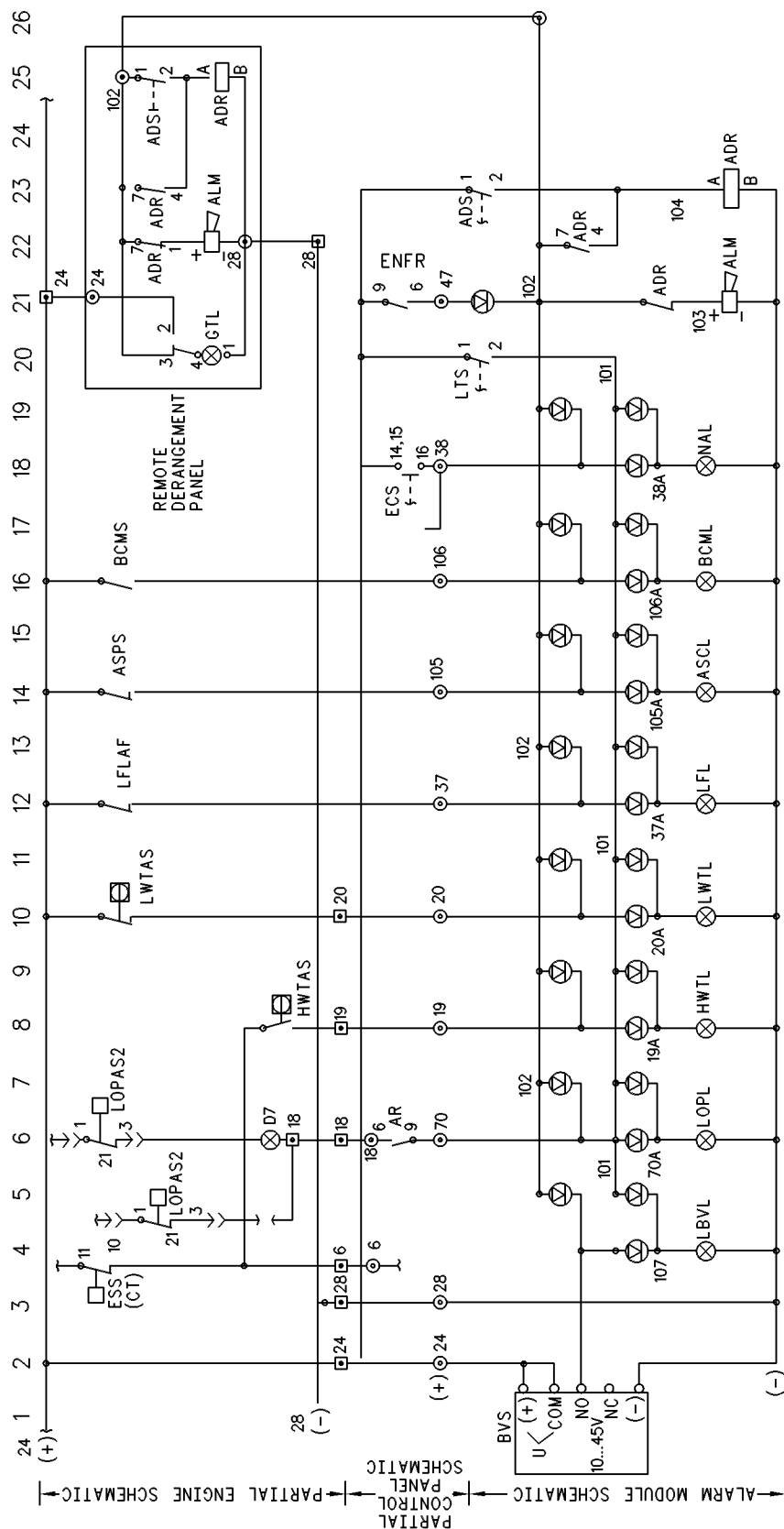
14

GRAPHIC #1

OPERATOR STATION

7C-3084 MODULE GP-ALARM (contd.)

i03025008



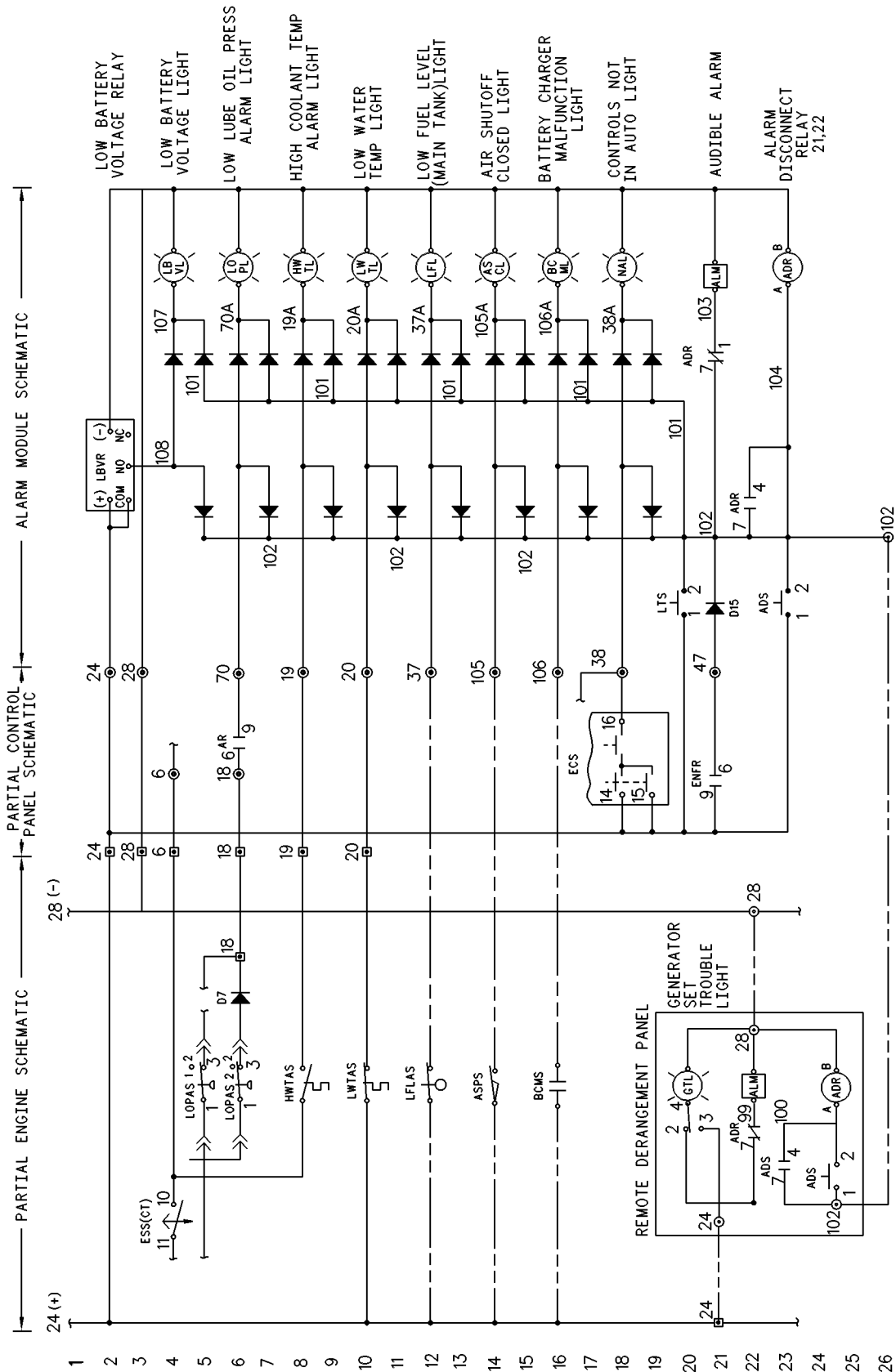
GRAPHIC #2

g00255578

OPERATOR STATION

7C-3084 MODULE GP-ALARM (contd.)

i03025008



GRAPHIC #3

<END>

g00256363

OPERATOR STATION

7W-9023 MODULE GP-ALARM

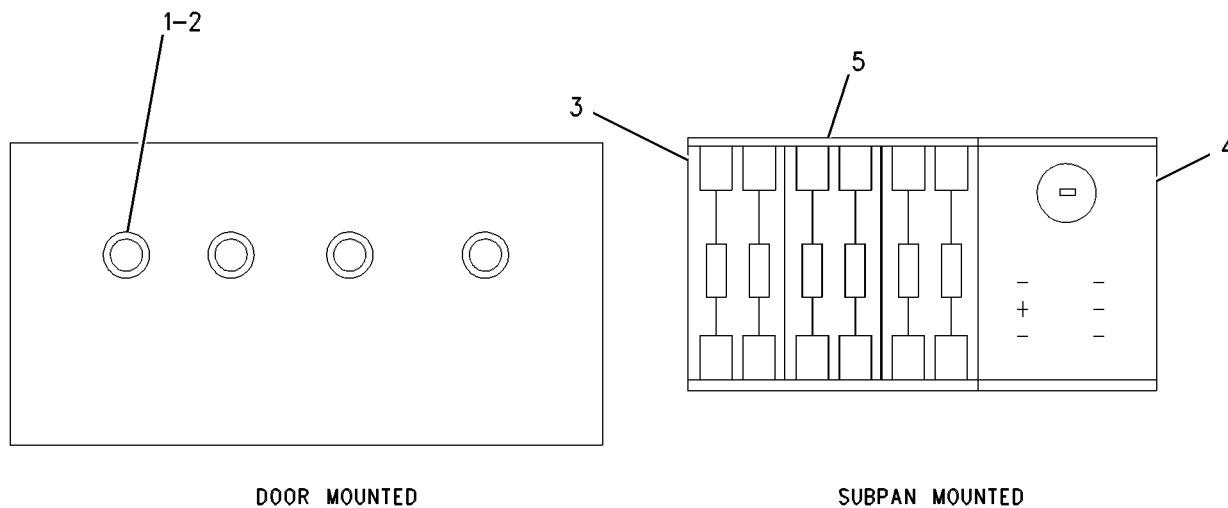
STANDBY

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7400

i02310281

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-5719	4	LAMP (24-VOLT) (CLEAR)						
	2	1	5N-5500	4	LAMP AS (AMBER) (3 TERMINAL)						
	3	1	5N-5502	2	DIODE AS						
	4	1	3N-5978	1	TIMER AS-ON DELAY (OIL PRESSURE)						
E	5	1	6V-1075		TRACK-RELAY (11CM)						
E-ORDER BY THE CENTIMETER											



DOOR MOUNTED

SUBPAN MOUNTED

GRAPHIC #1

<END>

g00579071

OPERATOR STATION

7W-9024 MODULE GP-ALARM

PRIME

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

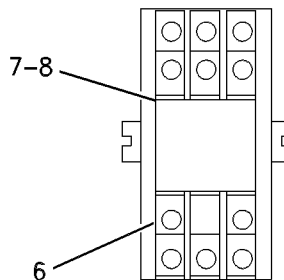
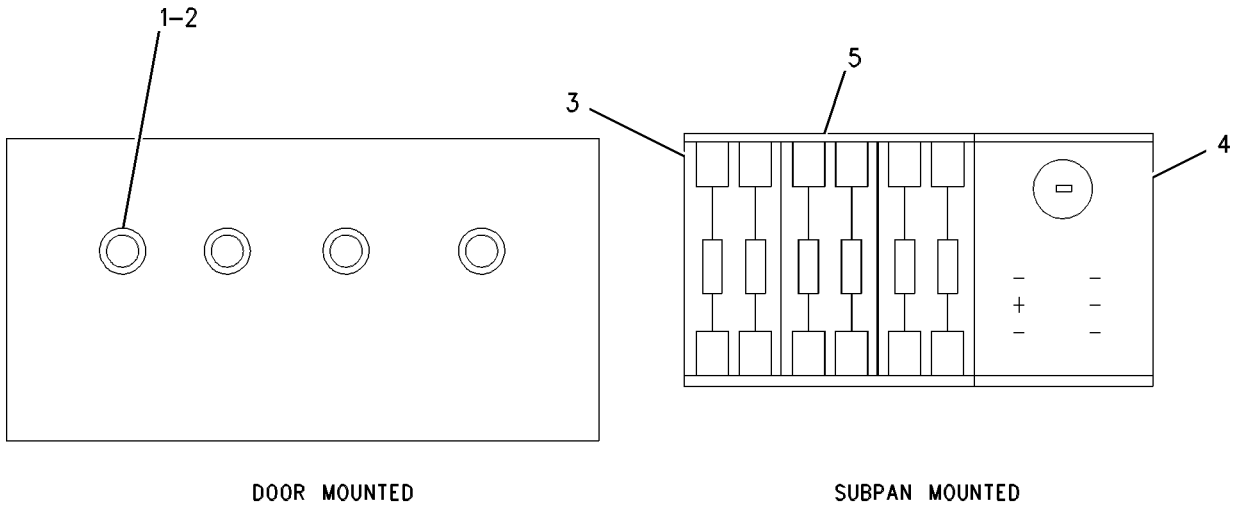
SMCS-7400

i02310283

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-5719	4	LAMP (24-VOLT) (CLEAR)						
	2	1	5N-5500	4	LAMP AS (AMBER) (3 TERMINAL)						
	3	1	5N-5502	2	DIODE AS						
	4	1	3N-5978	1	TIMER AS-ON DELAY (OIL PRESSURE)						
E	5	1	6V-1075		TRACK-RELAY (11CM)						
	6	1	4W-8787	1	SOCKET-RELAY						
B	7	1	3N-5714	1	RELAY AS (24-VOLT) (LOW OIL LEVEL)						
B	8	1	5N-5498	1	RELAY (32-VOLT DC) (LOW OIL LEVEL)						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER



GRAPHIC #1

<END>

g00579075

OPERATOR STATION

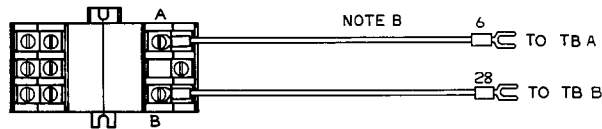
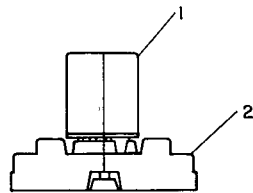
4W-8009 MODULE GP-AUXILIARY RELAY

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-4493

i02157498

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-5714	1	RELAY AS (24-VOLT) (AUXILIARY)						
	2	1	4W-8787	1	SOCKET-RELAY						
					WIRE TO BE NO. 20 AWG						
					EXCEPT WHERE MARKED.						
					NOTE B: GREEN WITH YELLOW						
					STRIPE 18GA AWG (GROUND)						
					NO. 8 SPADE ON TB END.						



WIRE CHART

WIRE NO.	TYPE AND SIZE	LENGTH OF WIRES IN MM
6	WHITE #20 AWG	559
28	GREEN WITH YELLOW STRIPE #18AWG	470

GRAPHIC #1

<END>

g00205828

OPERATOR STATION

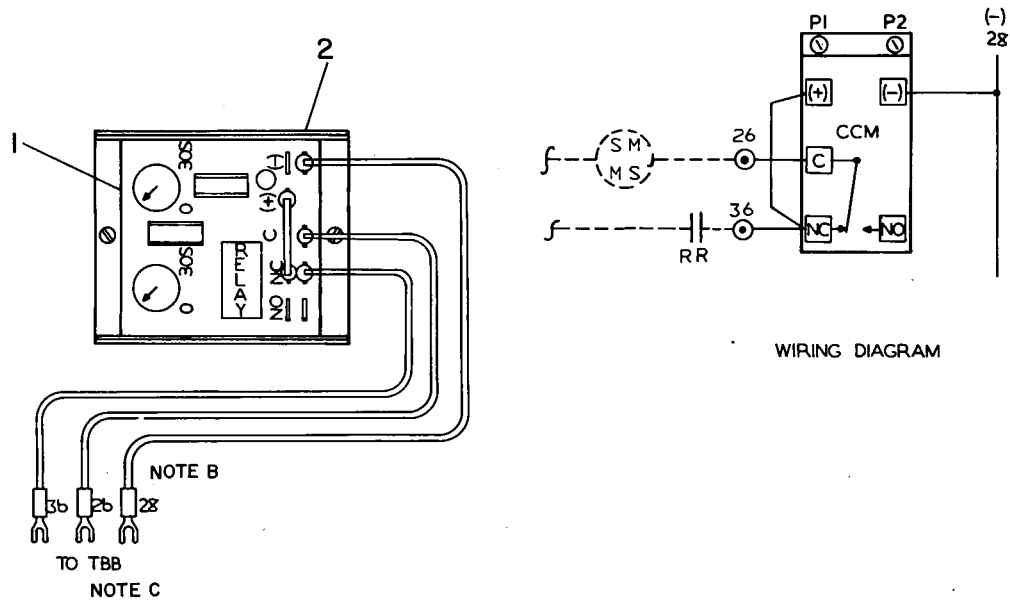
4W-8007 MODULE GP-CYCLE CRANKING

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-4462

i00716293

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8791	1	TIMER-CYCLE						
	2	1	3N-7817	1	TRACK-RELAY						
					WIRE TO BE NO.20 AWG						
					EXCEPT WHERE MARKED.						
					NOTE B: GREEN WITH						
					STRIPE 18GA AWG (GROUND)						
					NO.8 SPADE ON TB END.						
					NOTE C: ON TBB JUMPER						
					26 TO 36 MUST BE REMOVED						
					WHEN TIMER IS INSTALLED.						



WIRE CHART

WIRE NO.	TYPE AND SIZE	LENGTH OF WIRE IN MILLIMETERS
2b	WHITE #20 AWG	222
28	GREEN WITH YELLOW STRIPE #18 AWG	489
3b	WHITE #20 AWG	235

GRAPHIC #1

<END>

g00205826

OPERATOR STATION

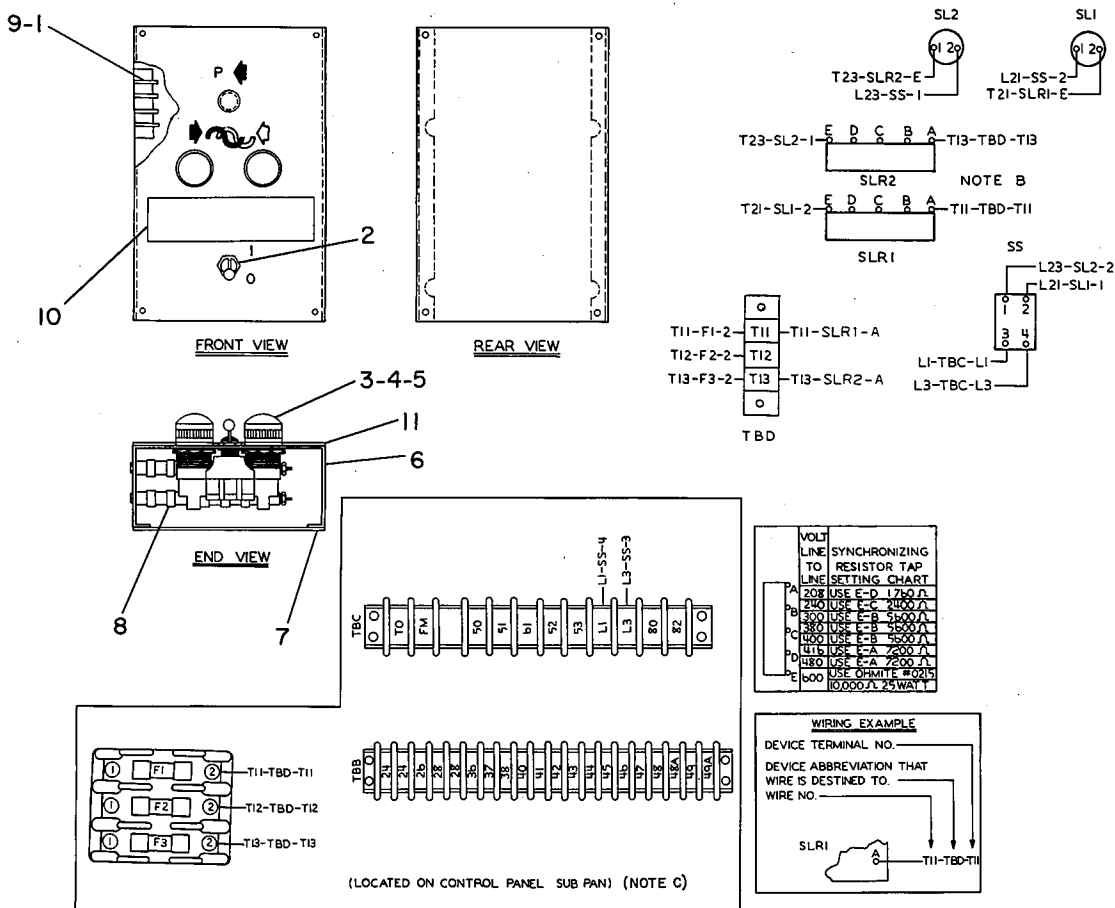
4W-8002 MODULE GP-SYNCHRONIZING LIGHTS

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1429

i02790202

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-9115	1	STRIP-TERMINAL						
	2	1	4W-8757	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS MODULE)						
	3	1	4W-8754	2	LENS-LAMP (CLEAR)						
	4	1	5N-3615	2	LAMP (120-VOLT, 6-WATT) (CLEAR)						
	5	1	4W-8755	2	HOUSING AS-LAMP						
	6	1	4W-8760	1	BRACKET-MODULE						
	7	1	4W-8758	1	PLATE-MODULE						
	8	1	5N-5507	2	RESISTOR						
	9	1	7W-0484	1	MARKER						
	10	1	7W-9804	1	FILM-IDENTIFICATION (SYNCHRONIZING PANEL)						
	11	1	7W-9805	1	FILM-WARNING (SYNCHRONIZING)						



GRAPHIC #1

<END>

g00205824

OPERATOR STATION

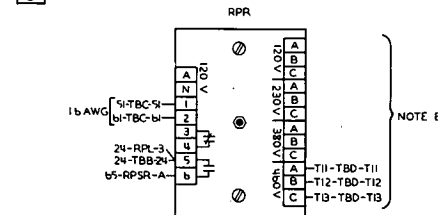
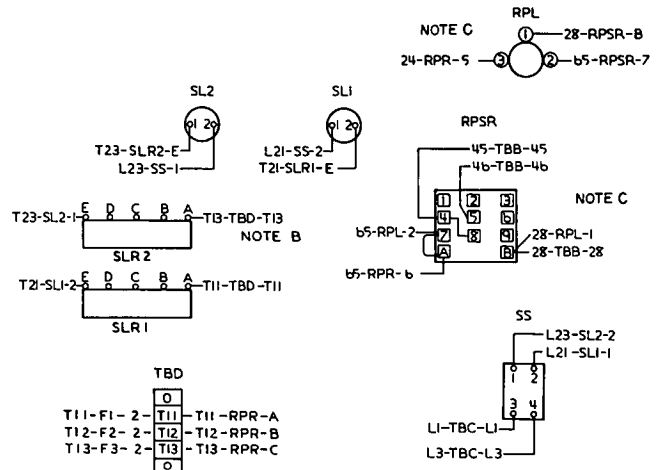
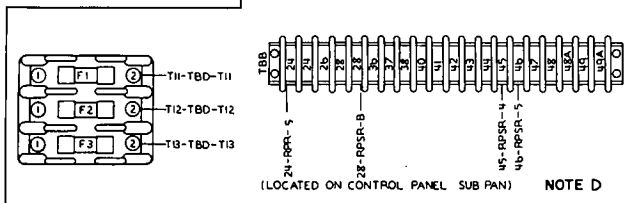
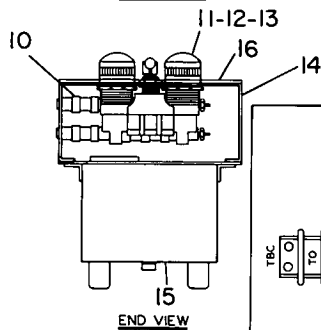
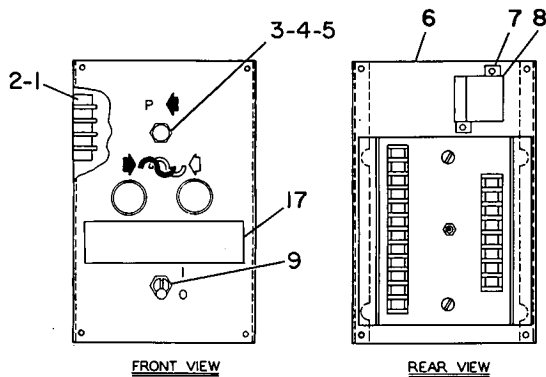
4W-8003 MODULE GP-SYNCHRONIZING LIGHTS

REVERSE POWER RELAY SYSTEM
PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

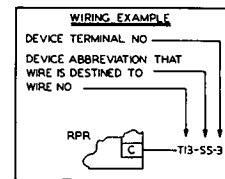
SMCS-1429

i03025004

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3N-9115	1	STRIP-TERMINAL	
	2	1	7W-0484	1	MARKER	
	3	1	4W-8746	1	LENS-LAMP (RED)	
	4	1	3N-5719	1	LAMP (24-VOLT) (CLEAR)	
	5	1	4W-8745	1	HOUSING AS-LAMP	
	6	1	4W-8759	1	PLATE-MODULE	
	7	1	4W-8743	1	SOCKET-RELAY	
	8	1	3N-5714	1	RELAY AS (24-VOLT) (SYNCHRONIZING PANEL)	
	9	1	4W-8757	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS MODULE)	
	10	1	5N-5507	2	RESISTOR	
	11	1	4W-8754	2	LENS-LAMP (CLEAR)	
	12	1	5N-3615	2	LAMP (120-VOLT, 6-WATT) (CLEAR)	
	13	1	4W-8755	2	HOUSING AS-LAMP	
	14	1	4W-8760	1	BRACKET-MODULE	
	15	1	5N-5510	1	RELAY-REVERSE POWER (SYNCHRONIZING PANEL)	
	16	1	7W-9804	1	FILM-IDENTIFICATION (SYNCHRONIZING PANEL)	
	17	1	7W-9805	1	FILM-WARNING (SYNCHRONIZING)	



VOLT	LINE SYNCHRONIZING TO RESISTOR TAP	LINE SETTING CHART
208	USE E-D	1760 A
240	USE E-C	2000 A
280	USE E-B	5000 A
380	USE E-B	5000 A
415	USE E-A	7200 A
480	USE E-A	7200 A
600	USE E-A	10000 A 25 WATT



GRAPHIC #1

<END>

g00205825

OPERATOR STATION

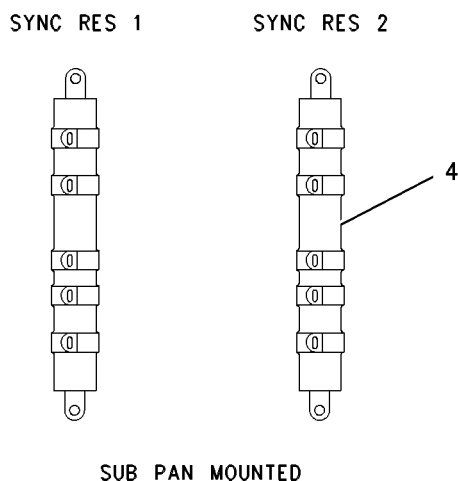
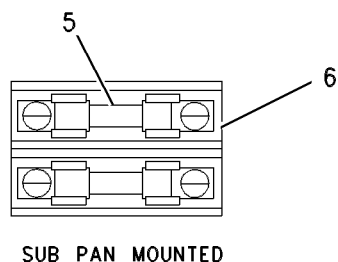
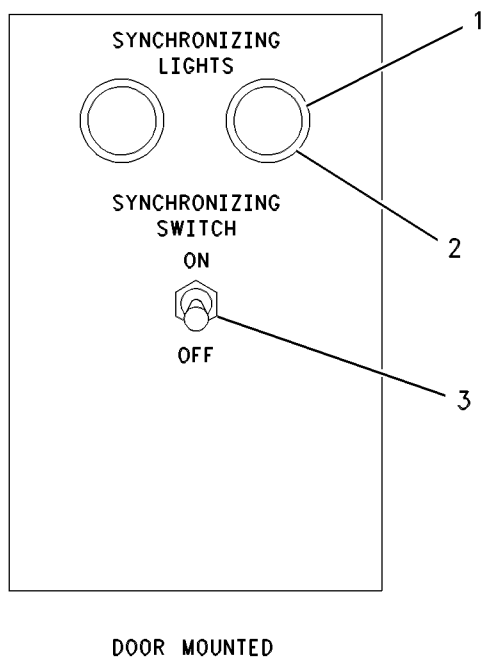
4W-9311 MODULE GP-SYNCHRONIZING LIGHTS

PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1429

i01821529

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5N-5531	2	HOLDER AS						
	2	1	5N-3615	2	LAMP (120-VOLT, 6-WATT)						
	3	1	3L-4833	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)						
	4	1	5N-5507	2	RESISTOR						
	5	1	7W-0482	2	FUSE (2-AMPERE)						
	6	1	5N-5537	2	BLOCK-FUSE						



GRAPHIC #1

<END>

g00575678

OPERATOR STATION

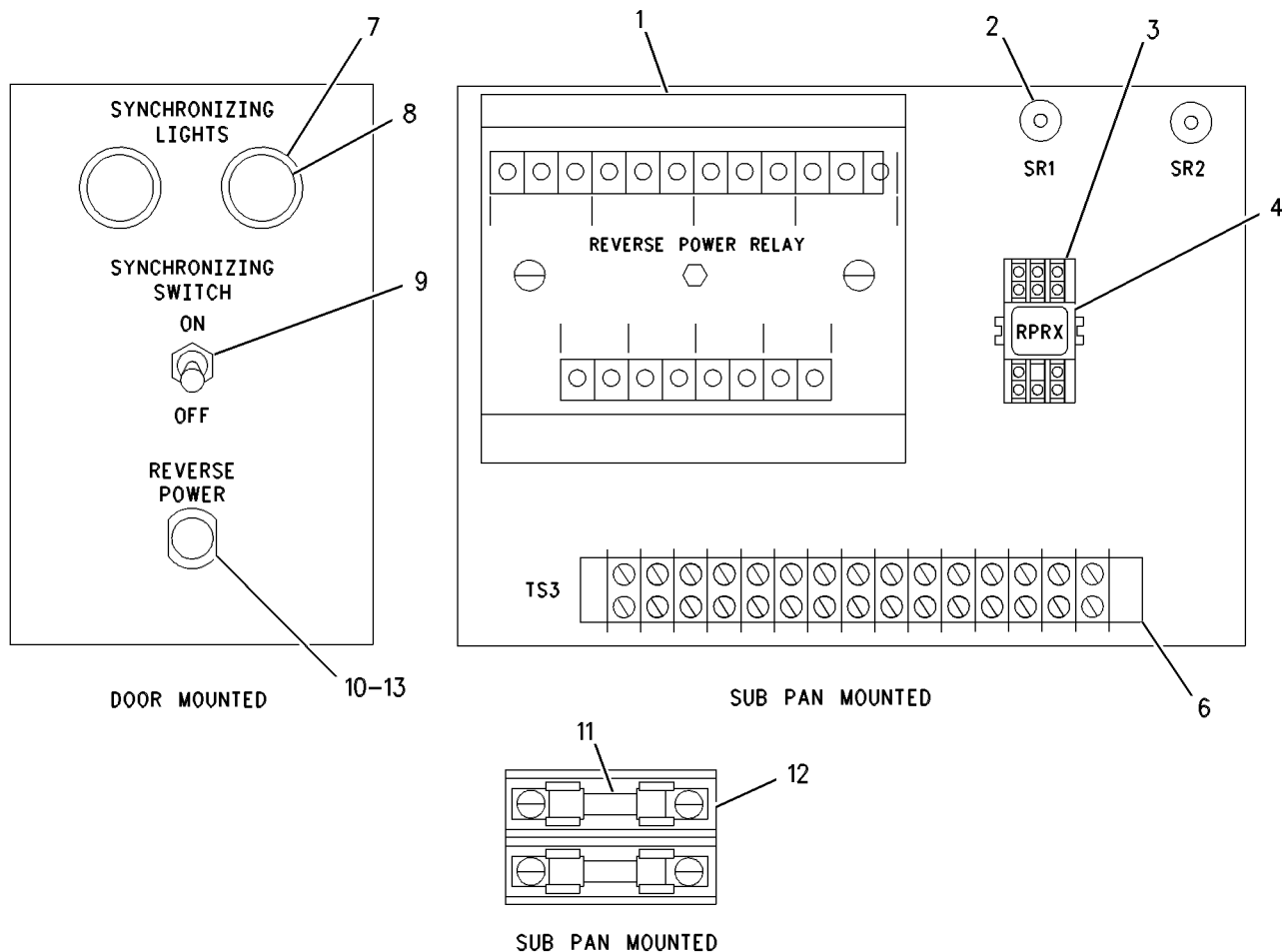
4W-9312 MODULE GP-SYNCHRONIZING LIGHTS

24VDC WITH REVERSE POWER
PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1429

i03025005

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5N-5510	1	RELAY-REVERSE POWER (SYNCHRONIZING PANEL)						
	2	1	5N-5507	2	RESISTOR						
	3	1	4W-8787	1	SOCKET-RELAY						
	4	1	3N-5714	1	RELAY AS (24-VOLT)						
	6	1	5N-5540	1	STRIP-TERMINAL						
	7	1	5N-5531	2	HOLDER AS						
	8	1	5N-3615	2	LAMP (120-VOLT, 6-WATT) (CLEAR)						
	9	1	3L-4833	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)						
	10	1	5N-5499	1	LAMP AS (RED)						
	11	1	7W-0482	2	FUSE (2-AMPERE)						
	12	1	5N-5537	2	BLOCK-FUSE						
	13	1	3N-5719	1	LAMP (24-VOLT) (CLEAR)						



GRAPHIC #1

<END>

g00575691

OPERATOR STATION

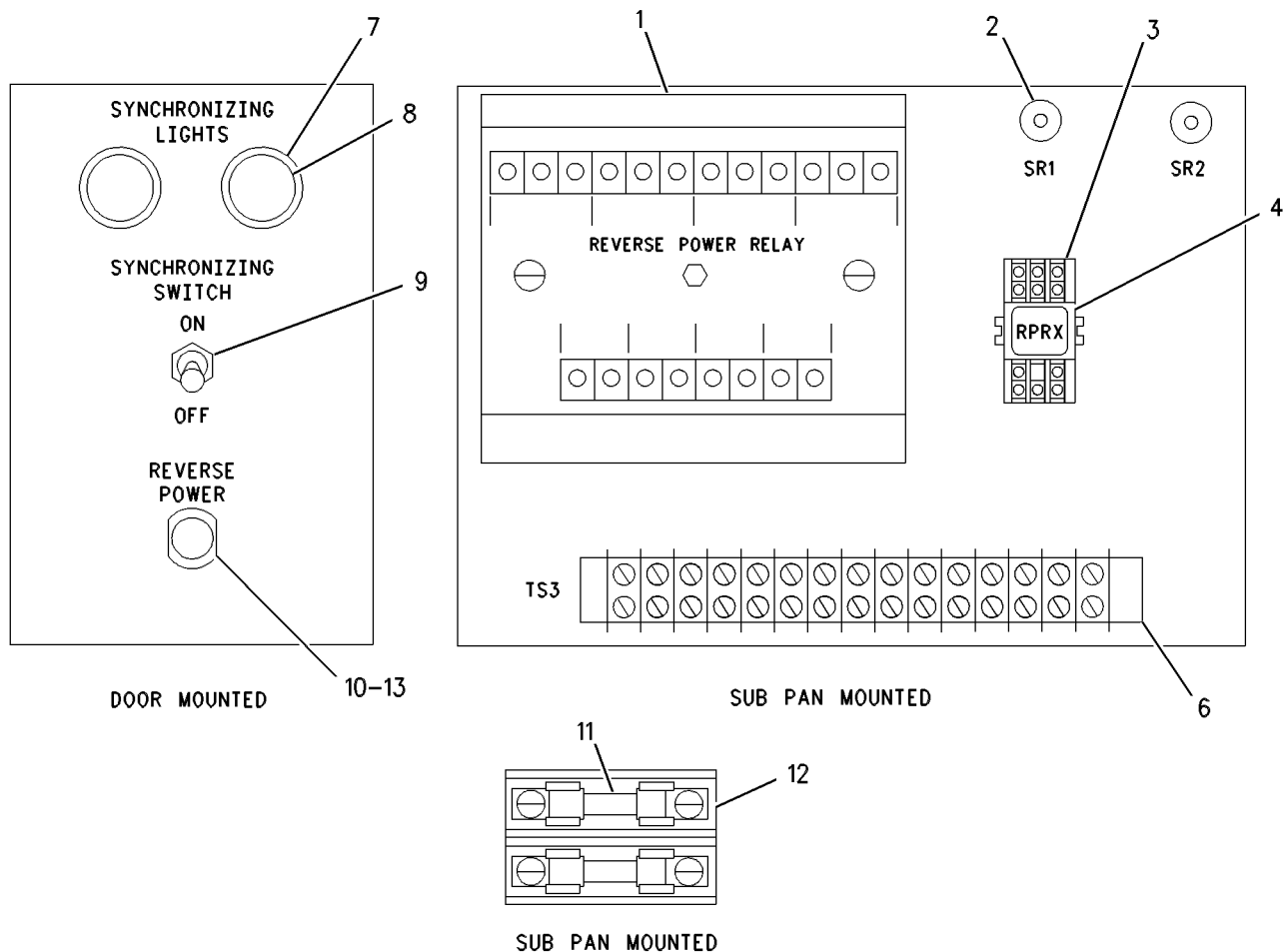
7W-3372 MODULE GP-SYNCHRONIZING LIGHTS

32 VOLT DC WITH REVERSE POWER
PART OF 7W-2411 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1429

i03025010

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5N-5510	1	RELAY-REVERSE POWER (SYNCHRONIZING PANEL)						
	2	1	5N-5507	2	RESISTOR (SYNCHRONIZING)						
	3	1	4W-8787	1	SOCKET-RELAY						
	4	1	5N-5498	1	RELAY (32-VOLT DC)						
	6	1	5N-5540	1	STRIP-TERMINAL						
	7	1	5N-5531	2	HOLDER AS						
	8	1	5N-3615	2	LAMP (120-VOLT, 6-WATT) (CLEAR)						
	9	1	3L-4833	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)						
	10	1	5N-5499	1	LAMP AS (RED)						
	11	1	7W-0482	2	FUSE (2-AMPERE)						
	12	1	5N-5537	2	BLOCK-FUSE						
	13	1	3N-5719	1	LAMP (24-VOLT) (CLEAR)						



GRAPHIC #1

<END>

g00576520

OPERATOR STATION

106-5169 MODULE GP-SYNCHRONIZING LIGHTS

PROVIDES SYNCHRONIZING MODULE OPTION FOR THE ELECTRONIC MODULAR CONTROL PANEL

(EMCP II)

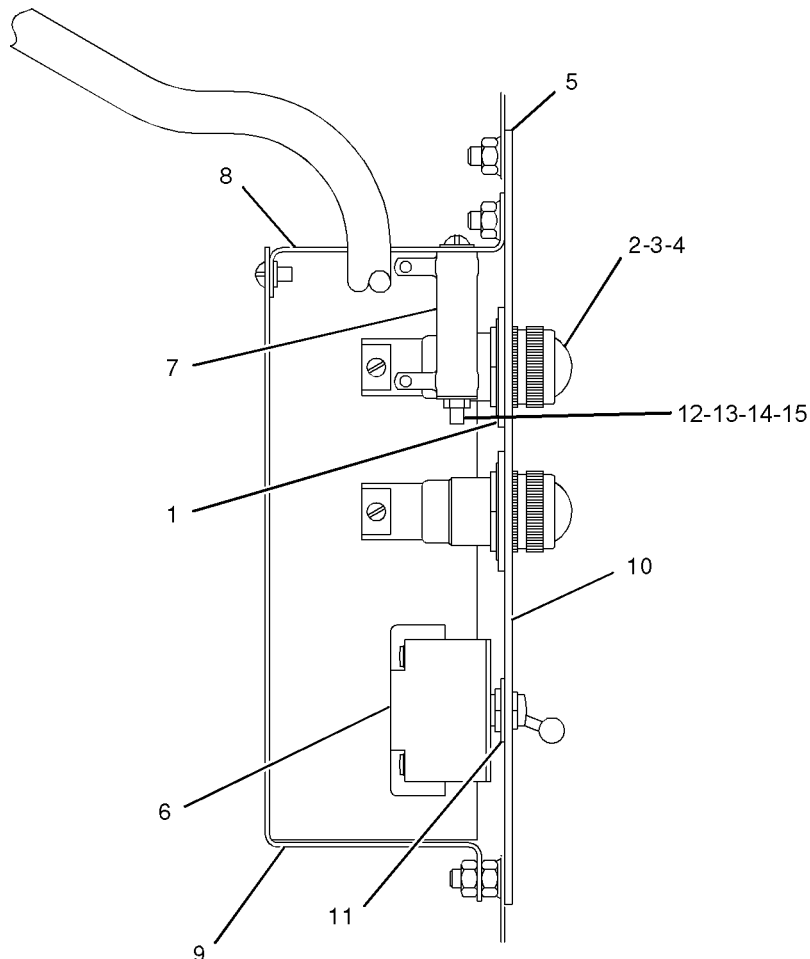
PART OF 103-4773 PANEL AR-CONTROL

AN ATTACHMENT

SMCS-1429

i02762559

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-9872	2	WASHER (SEALING)						
	2	1	4W-8754	2	LENS-LAMP (CLEAR)						
	3	1	5N-3615	2	LAMP (120-VOLT, 6-WATT) (CLEAR)						
	4	1	4W-8755	2	HOUSING AS-LAMP						
	5	1	7C-0549	1	PLATE AS-MODULE						
	6	1	4W-8757	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)						
	7	1	7C-2945	2	RESISTOR (SYNCHRONIZING)						
	8	1	7C-4370	1	BRACKET (SYNCHRONIZING LIGHTS MODULE)						
	9	1	106-5164	1	COVER (SYNCHRONIZING LIGHTS MODULE)						
	10	1	7C-0972	1	FILM-SYNCHRONIZING PANEL (EMCP - ENGLISH/FRENCH)						
	11	1	5L-5180	1	WASHER (0.49X0.875X0.05-IN THK)						
	12	1	104-2183	2	SCREW-MACHINE (10-24X2.5-IN)						
	13	1	4B-2047	2	NUT (10-24-THD)						
	14	1	9F-8125	2	LOCKWASHER						
	15	1	8T-2228	4	WASHER-HARD (6.5X17X2-MM THK)						



GRAPHIC #1

<END>

g01055322

OPERATOR STATION

106-5171 MODULE GP-SYNCHRONIZING LIGHTS

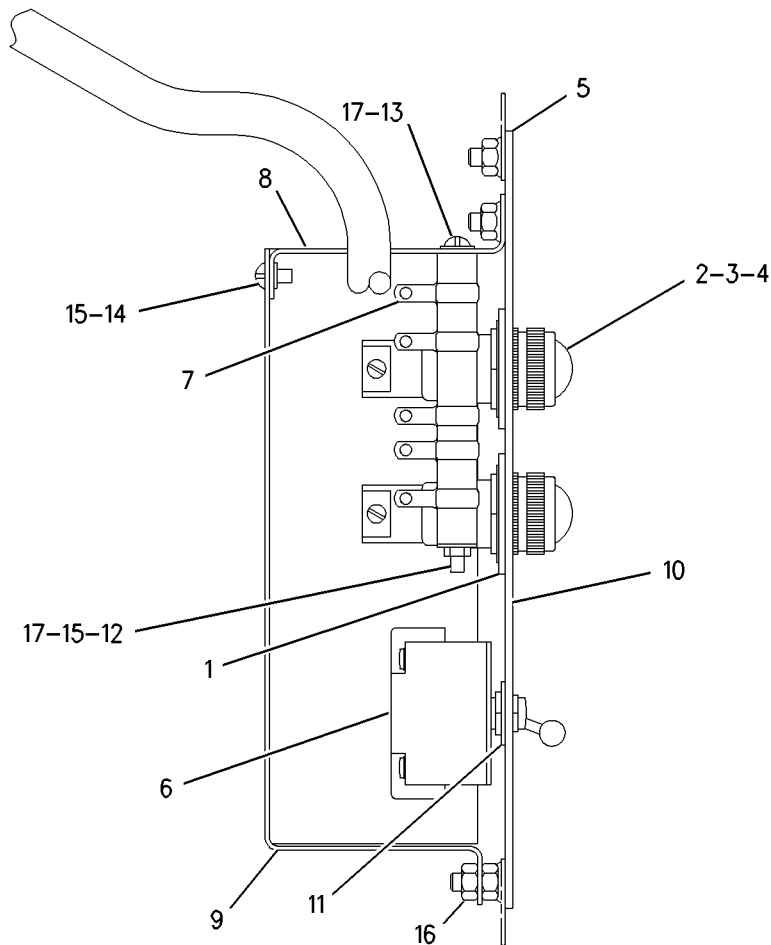
480-VOLT

PART OF 103-4773 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-1429

i02787458

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-9872	2	WASHER (SEALING)						
	2	1	4W-8754	2	LENS-LAMP (CLEAR)						
	3	1	5N-3615	2	LAMP (120-VOLT, 6-WATT) (CLEAR)						
	4	1	4W-8755	2	HOUSING AS-LAMP						
	5	1	7C-0549	1	PLATE AS-MODULE						
	6	1	4W-8757	1	SWITCH-TOGGLE (SYNCHRONIZING LIGHTS CONTROL)						
	7	1	5N-5507	2	RESISTOR (SYNCHRONIZING)						
	8	1	7C-4370	1	BRACKET (SYNCHRONIZING LIGHTS MODULE)						
	9	1	106-5164	1	COVER (SYNCHRONIZING LIGHTS MODULE)						
	10	1	7C-0972	1	FILM-SYNCHRONIZING PANEL (EMCP - ENGLISH/FRENCH)						
	11	1	5L-5180	1	WASHER (0.49X0.875X0.05-IN THK)						
	12	1	4B-2047	2	NUT (10-24-THD)						
	13	1	227-8133	2	SCREW-MACHINE (10-24X4.5-IN)						
	14	1	2N-3478	2	SCREW-MACHINE (10-24X0.375-IN)						
	15	1	9F-8125	4	LOCKWASHER						
	16	1	173-7181	2	NUT (1/4-20-THD)						
	17	1	8T-2228	4	WASHER-HARD (6.5X17X2-MM THK)						



GRAPHIC #1

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g00918012

OPERATOR STATION

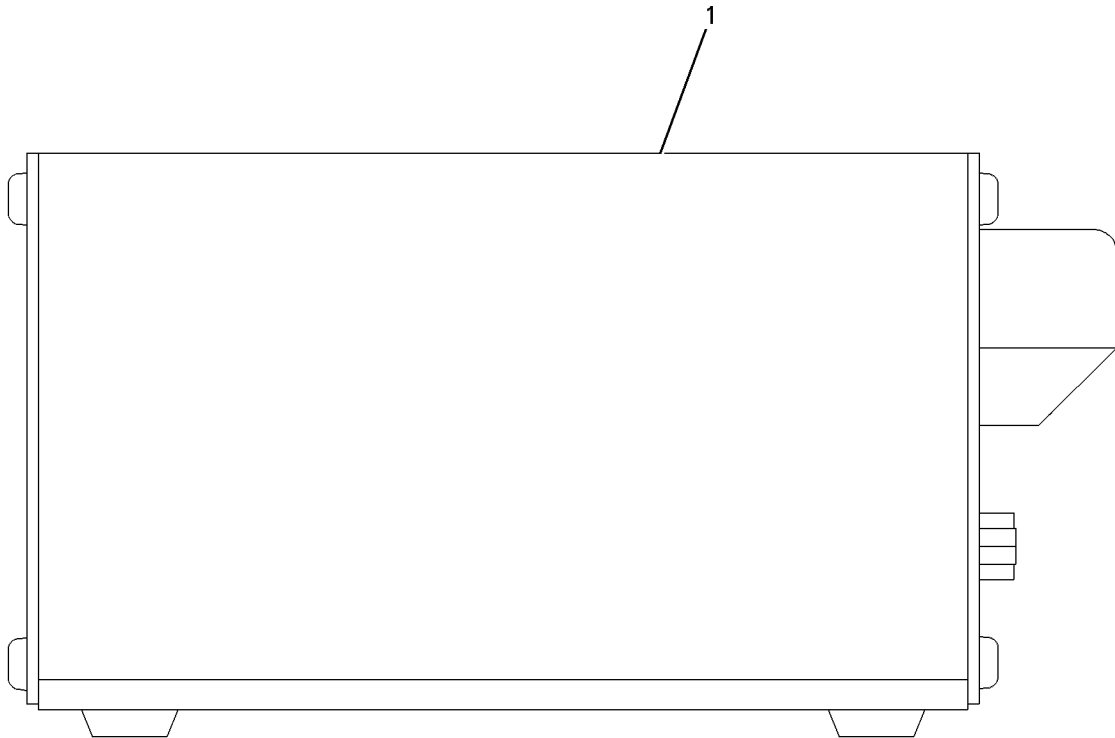
102 - 8627 MODULE GP - SYSTEM COMMUNICATION

AN ATTACHMENT

SMCS - 1926

i02357677

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	164 - 8940	1	MODULE GP - SYSTEM COMMUNICATION	424
Y - SEPARATE ILLUSTRATION						



GRAPHIC #1

<END>

g00535441

OPERATOR STATION

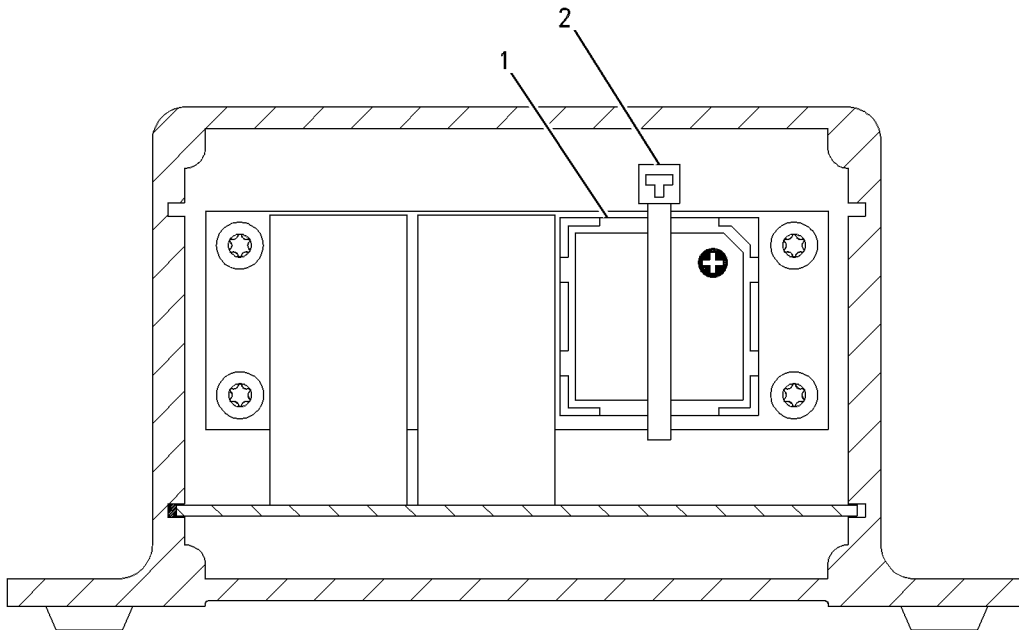
164-8940 MODULE GP-SYSTEM COMMUNICATION

PART OF 102-8627 MODULE GP-SYSTEM COMMUNICATION
AN ATTACHMENT

SMCS-1926

i02394585

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	101-1785	1	BATTERY (LITHIUM) (3-VOLT)	
	2	1	8L-8413	1	STRAP-CABLE	
F		1	109-5737	1	FILM-DISPLAY (COMMUNICATION MODULE)	
F		1	109-5738	1	FILM-INTERFACE (COMMUNICATION MODULE)	
F - NOT SHOWN						



GRAPHIC #1

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g00536597

OPERATOR STATION

4W-8008 MODULE GP - TIMER

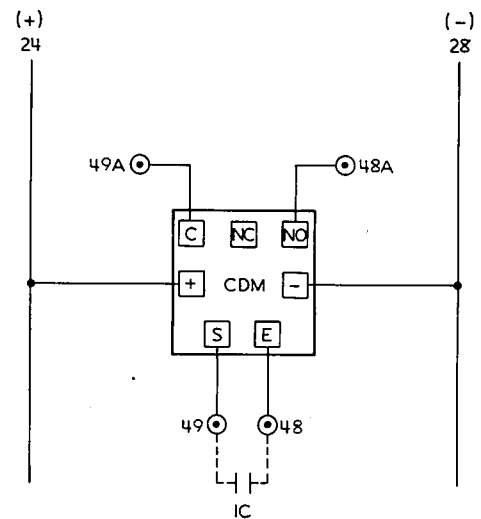
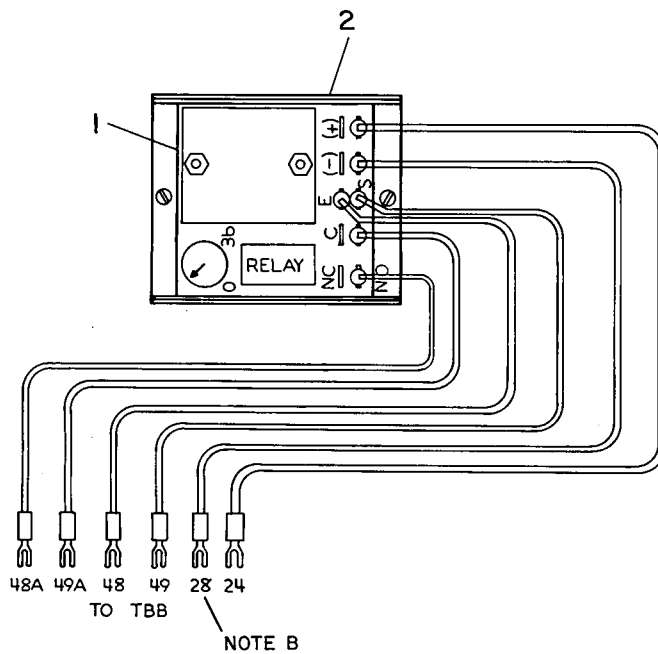
COOL DOWN

PART OF 4P-4898 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-4490

i02787461

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8792	1	TIMER-COOL DOWN						
	2	1	3N-7817	1	TRACK-RELAY						



WIRING DIAGRAM
SEE NOTE C

WIRE CHART

WIRE NO	TYPE AND SIZE		LENGTH OF WIRE IN MILLIMETERS
24	WHITE	#20AWG	178
28	GREEN WITH YELLOW STRIPE	#18AWG	159
48	WHITE	#20 AWG	254
48A	WHITE	#20AWG	254
49	WHITE	#20 AWG	279
49A	WHITE	#20AWG	279

GRAPHIC #1

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g00205827

OPERATOR STATION

7W-0919 MOUNTING GP-CONTROL PANEL

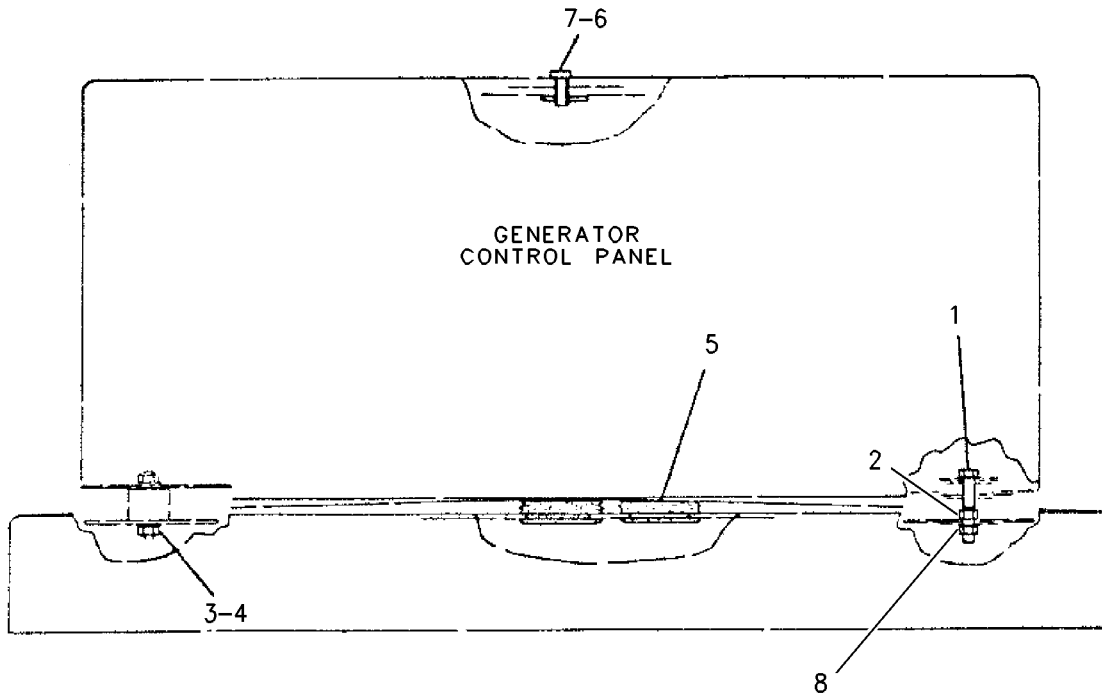
PROVIDES VIBRATION ISOLATION DURING NORMAL OPERATION
AN ATTACHMENT

SMCS-7451

i02183234

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7X-3186	2	BOLT (3/8-16X2.125-IN)						
	2	1	6V-8801	2	NUT (3/8-16 THD)						
	3	1	8T-4205	2	WASHER-HARD (7.2X14.5X2-MM THK)						
	4	1	3E-9865	2	LOCKNUT (1/4-20 THD)						
	5	1	7C-2675	2	SEAL-BELLOWS						
B	6	1	1B-0676	1	PIN						
B	7	1	5P-0372	1	LOCK PIN						
	8	1	3K-6060	2	LOCKNUT (3/8-16 THD)						

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00772037

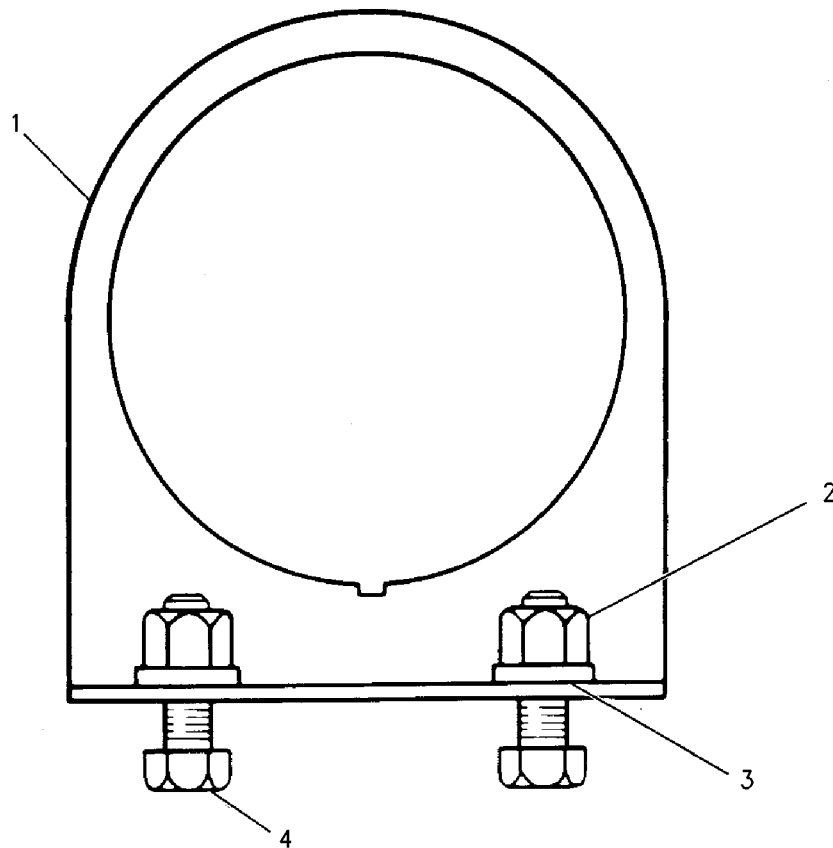
OPERATOR STATION

7L - 4535 MOUNTING GP - TACHOMETER FOR USE WITH ENGINE MOUNTED MECHANICAL TACHOMETERS AN ATTACHMENT

SMCS - 7462

i01791177

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7L - 4536	1	BRACKET - TACHOMETER	
	2	1	6V - 8189	2	NUT (5/16-18-THD)	
	3	1	8T - 4224	2	WASHER - HARD (8.8X16X2-MM THK)	
	4	1	5K - 0906	2	BOLT (5/16-18X0.625-IN)	



GRAPHIC #1

<END>

g00917518

OPERATOR STATION

4P-4898 PANEL AR-CONTROL

GENERATOR MOUNTED
AN ATTACHMENT

SMCS-7451

i03025002

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	4W-8005	1	CONTROL GP-AUTO START/STOP						278
Y	4W-8004	1	CONTROL GP-MANUAL START/STOP (MANUAL)						284
Y	4W-9904	1	DOOR GP-ACCESS (DUSTPROOF)						401
Y	7W-0202	1	DOOR GP-ACCESS (DUSTPROOF)						402
Y	4W-0483	1	GAUGE GP-COOLANT TEMPERATURE (24-VOLT)						403
Y	4P-4897	1	GOVERNOR AS-ELECTRONIC						212
Y	4P-4899	1	GOVERNOR AS-ELECTRONIC						212
Y	4P-6554	1	GOVERNOR AS-ELECTRONIC						212
Y	4P-2788	1	GOVERNOR AS-ELECTRONIC						211
Y	4W-8180	1	GOVERNOR GP-ELECTRONIC						222
Y	4W-8185	1	GOVERNOR GP-ELECTRONIC						223
Y	4W-8183	1	LAMP GP-PANEL ILLUMINATION						405
Y	4W-8006	1	MODULE GP-ALARM						407
Y	7C-3084	1	MODULE GP-ALARM						408
Y	4W-8009	1	MODULE GP-AUXILIARY RELAY						414
Y	4W-8007	1	MODULE GP-CYCLE CRANKING						415
Y	4W-8002	1	MODULE GP-SYNCHRONIZING LIGHTS						416
Y	4W-8003	1	MODULE GP-SYNCHRONIZING LIGHTS						417
Y	4W-8008	1	MODULE GP-TIMER (COOLDOWN)						425
Y	105-1457	1	VOLTMETER GP (24-VOLT) (DC)						457
	4W-2065	1	GAUGE GP-PRESSURE (ENGINE OIL)						
	3L-8187	2	LOCKWASHER						
	4B-2043	2	NUT (8-32-THD)						
	4B-5324	2	WASHER (3.9X9.6X1.2-MM THK)						
	6V-8368	2	NUT (6-32-THD)						
	9B-7233	2	LOCKWASHER						
	6V-3507	1	SEAL-RECTANGULAR						
	4W-8632	1	AMMETER AS (0 TO 100-AMPERE)						
	4W-8633	1	AMMETER AS (0 TO 150-AMPERE)						
	4W-8634	1	AMMETER AS (0 TO 200-AMPERE)						
	4W-8635	1	AMMETER AS (0 TO 300-AMPERE)						
	4W-8636	1	AMMETER AS (0 TO 400-AMPERE)						
	4W-8637	1	AMMETER AS (0 TO 600-AMPERE)						
	4W-8638	1	AMMETER AS (0 TO 800-AMPERE)						
	4W-8639	1	AMMETER AS (0 TO 1000-AMPERE)						
	4W-8640	1	AMMETER AS (0 TO 1200-AMPERE)						
	4W-8641	1	AMMETER AS (0 TO 1500-AMPERE)						
	4W-8642	1	AMMETER AS (0 TO 2000-AMPERE)						
	4W-8643	1	AMMETER AS (0 TO 2500-AMPERE)						
	7W-2218	1	AMMETER AS (0 TO 3000-AMPERE)						
	7W-5858	1	AMMETER AS (0 TO 4000-AMPERE)						
	141-0812	1	HARNESS AS-PANEL (AC EXTERNAL)						
	141-0814	1	HARNESS AS-PANEL (DC INTERNAL)						
	141-0815	1	HARNESS AS-PANEL (AC INTERNAL)						
	141-0816	1	HARNESS AS-PANEL (AUTOMATIC MODULE)						
	141-0817	1	HARNESS AS-PANEL (MANUAL MODULE)						
	141-0818	1	HARNESS AS-PANEL (ALARM MODULE)						
	141-0819	1	HARNESS AS-PANEL (ALARM, NFPA 110)						
	4P-5425	1	HARNESS AS-WIRING (DC EXTERNAL)						
	7E-6487	1	HARNESS AS-WIRING (DC EXTERNAL)						
	7E-6488	1	HARNESS AS-WIRING (AC EXTERNAL)						
	4W-8745	1	HOUSING AS-LAMP						
	3N-5611	2	MOUNT AS (SHOCK REAR)						
	4P-5789	1	PANEL AS (DUSTPROOF)						
	7E-6484	1	PANEL AS (DUSTPROOF)						

OPERATOR STATION

4P-4898 PANEL AR-CONTROL (contd.)

i03025002

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	7E-6485	1	PANEL AS (STANDARD)						
	7C-4471	1	POTENTIOMETER AS (10,000-OHM) (VOLTAGE ADJUST)						
	7C-4561	1	RESISTOR AS (FREQUENCY METER)						
	6V-1668	1	WASHER (6.5X29.1X3-MM THK)						
	7C-4560	1	BRACKET						
	8C-3579	1	RESISTOR						
	8T-5411	1	SCREW (8-32X57.15-MM)						
	036-9433	2	WASHER (CENTERING)						
	7E-6496	1	RESISTOR AS (FREQUENCY METER)						
	6V-1668	1	WASHER (6.5X29.1X3-MM THK)						
	7C-4560	1	BRACKET						
	8T-5411	1	SCREW (8-32X57.15-MM)						
	9Y-0879	1	RESISTOR						
	036-9433	2	WASHER (CENTERING)						
	4L-6470	1	STRIP-TERMINAL (12 POINT)						
	6V-8376	24	SCREW-MACHINE (8-32X0.25-IN)						
	7N-8008	1	SWITCH AS-TOGGLE (GOVERNOR)						
	3L-8187	6	LOCKWASHER						
	6T-3631	2	NUT-HEX (15/32-32-THD)						
	6T-3632	1	LOCKWASHER						
	6T-3633	1	RING-LOCKING						
	6V-8374	6	SCREW-MACHINE (6-32X0.25-IN)						
	5N-5430	3	TRANSFORMER AS-CURRENT (RATIO 200:5)						
	7W-8836	3	TRANSFORMER AS-CURRENT (RATIO 2000:5)						
	3N-5977	1	BLOCK-FUSE (30-AMPERE) (3 POLE 600 VOLT AC)						
	7C-1466	2	BUSHING-TERMINAL						
	4P-2162	3	CLIP						
	9Y-9783	1	FILM-IDENTIFICATION (2-AMPERE FUSE)						
	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)						
	4W-8228	1	FILM-IDENTIFICATION (TERMINAL MARKER)						
	7C-0974	1	FILM-WARNING (ELECTRICAL SHOCK)						
	7W-0482	3	FUSE (2-AMPERE)						
	4W-5972	1	KNOB (VOLTAGE ADJUST)						
	3N-5719	1	LAMP (24-VOLT)						
	4W-8746	1	LENS-LAMP (RED)						
	8C-7507	4	LOCKWASHER						
	4W-8226	1	MARKER (TERMINAL)						
	4W-8227	1	MARKER (TERMINAL)						
	145-7004	1	METER-FREQUENCY						
	4W-8644	1	METER-VOLT (0 TO 300-VOLT)						
	4W-8645	1	METER-VOLT (0 TO 600-VOLT)						
	7W-6969	1	METER-VOLT (0 TO 750-VOLT)						
	3N-1968	2	MOUNT-FLEXIBLE (FRONT PANEL)						
	7E-1235	2	MOUNT-FLEXIBLE (PANEL FRONT)						
	4B-2049	4	NUT (10-32-THD)						
	4W-8190	1	PLATE-COVER						
	6V-5183	1	PLUG-BUTTON						
	5P-4935	2	PLUG-BUTTON						
	5P-7509	1	PLUG-BUTTON						
	4P-2160	3	RING-RETAINING (SPECIAL)						
	2N-3479	4	SCREW (10-24X0.5-IN)						
	4P-2161	3	SCREW						
	4W-8229	2	STRIP-TERMINAL (20 POINT)						
	3N-5976	1	SWITCH (PHASE SELECT)						
	9D-3721	1	SWITCH-TOGGLE						
	7E-1112	3	TRANSFORMER (RATIO 800:5)						
	7E-1113	3	TRANSFORMER (RATIO 1000:5)						
	7E-1114	3	TRANSFORMER (RATIO 1200:5)						

OPERATOR STATION

4P-4898 PANEL AR-CONTROL (contd.)

i03025002

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	7E-1115	3	TRANSFORMER (RATIO 1500:5)						
	7E-1116	3	TRANSFORMER (RATIO 2000:5)						
	7E-1117	3	TRANSFORMER (RATIO 2500:5)						
	7E-1118	3	TRANSFORMER (RATIO 3000:5)						
	7E-1119	3	TRANSFORMER (RATIO 4000:5)						
	7W-6598	3	TRANSFORMER (RATIO 3000:5)						
	7W-7805	3	TRANSFORMER (RATIO 4000:5)						
	7W-8835	3	TRANSFORMER (RATIO 2500:5)						
	4W-8102	3	TRANSFORMER-CURRENT (RATIO 150:5)						
	5N-5429	3	TRANSFORMER-CURRENT (RATIO 100:5)						
	5N-5431	3	TRANSFORMER-CURRENT (RATIO 300:5)						
	5N-5432	3	TRANSFORMER-CURRENT (RATIO 400:5)						
	5N-5433	3	TRANSFORMER-CURRENT (RATIO 600:5)						
	5N-5434	3	TRANSFORMER-CURRENT (RATIO 800:5)						
	7W-8837	3	TRANSFORMER-CURRENT (RATIO 1500:5)						
	7W-8838	3	TRANSFORMER-CURRENT (RATIO 1200:5)						
	7W-8839	3	TRANSFORMER-CURRENT (RATIO 1000:5)						
	4B-4274	4	WASHER (5.5X13X1.2-MM THK)						

Y-SEPARATE ILLUSTRATION

<END>

7W-2411 PANEL AR-CONTROL

WALL MOUNTED
AN ATTACHMENT

SMCS-7451

i03025009

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	5N-5451	1	ALARM GP (BASIC 24 VDC)						384
Y	5N-5452	1	ALARM GP (BASIC 30-32 VDC)						385
Y	275-7792	1	CIRCUIT BREAKER GP (225-AMPERE) (225 AMP WITH SHUNT TRIP)						271
Y	7W-8942	1	CONTROL GP-AUTO START/STOP						280
Y	7W-8943	1	CONTROL GP-AUTO START/STOP						282
Y	7W-8944	1	CONTROL GP-MANUAL START/STOP						286
Y	7W-8945	1	CONTROL GP-MANUAL START/STOP						287
Y	7W-8946	1	CONTROL GP-MANUAL START/STOP						288
Y	7W-8947	1	CONTROL GP-MANUAL START/STOP						289
Y	4W-9313	1	GOVERNOR AS-ELECTRONIC						213
Y	4W-9314	1	GOVERNOR AS-ELECTRONIC						214
Y	7W-9023	1	MODULE GP-ALARM (STAND BY)						412
Y	7W-9024	1	MODULE GP-ALARM (PRIME)						413
Y	4W-9311	1	MODULE GP-SYNCHRONIZING LIGHTS						418
Y	4W-9312	1	MODULE GP-SYNCHRONIZING LIGHTS						419
Y	7W-3372	1	MODULE GP-SYNCHRONIZING LIGHTS						420
	4W-8632	1	AMMETER AS (0 TO 100-AMPERE)						
	4W-8633	1	AMMETER AS (0 TO 150-AMPERE)						
	4W-8634	1	AMMETER AS (0 TO 200-AMPERE)						
	4W-8635	1	AMMETER AS (0 TO 300-AMPERE)						
	4W-8636	1	AMMETER AS (0 TO 400-AMPERE)						
	4W-8637	1	AMMETER AS (0 TO 600-AMPERE)						
	4W-8638	1	AMMETER AS (0 TO 800-AMPERE)						
	4W-8639	1	AMMETER AS (0 TO 1000-AMPERE)						
	4W-8640	1	AMMETER AS (0 TO 1200-AMPERE)						
	4W-8641	1	AMMETER AS (0 TO 1500-AMPERE)						
	4W-9302	1	CIRCUIT BREAKER AS (600-AMPERE)						
	4W-9303	1	CIRCUIT BREAKER AS (800-AMPERE)						

OPERATOR STATION

7W-2411 PANEL AR-CONTROL (contd.)

i03025009

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	4W-9304	1	CIRCUIT BREAKER AS (1200-AMPERE)						
	4W-9612	1	CIRCUIT BREAKER AS (60-AMPERE)						
	4W-9613	1	CIRCUIT BREAKER AS (70-AMPERE)						
	4W-9614	1	CIRCUIT BREAKER AS (80-AMPERE)						
	4W-9615	1	CIRCUIT BREAKER AS (90-AMPERE)						
	4W-9616	1	CIRCUIT BREAKER AS (100-AMPERE)						
	4W-9617	1	CIRCUIT BREAKER AS (125-AMPERE)						
	4W-9618	1	CIRCUIT BREAKER AS (150-AMPERE)						
	5N-3350	1	CIRCUIT BREAKER AS (250-AMPERE)						
	7W-2318	1	CIRCUIT BREAKER AS (400-AMPERE)						
	5N-3352	1	CIRCUIT BREAKER AS (200-AMPERE)						
	5N-3353	1	CIRCUIT BREAKER AS (175-AMPERE)						
	7C-4471	1	POTENTIOMETER AS (10,000-OHM) (VOLTAGE ADJUST)						
	3N-5714	1	RELAY AS (24-VOLT)						
	7N-8008	1	SWITCH AS-TOGGLE (GOVERNOR)						
	3L-8187	6	LOCKWASHER						
	6T-3631	2	NUT-HEX (15/32-32-THD)						
	6T-3632	1	LOCKWASHER						
	6T-3633	1	RING-LOCKING						
	6V-8374	6	SCREW-MACHINE (6-32X0.25-IN)						
	8D-2676	1	SWITCH AS-TOGGLE (ON/OFF CONTROL)						
	3L-8187	2	LOCKWASHER						
	6T-3631	2	NUT-HEX (15/32-32-THD)						
	6T-3632	1	LOCKWASHER						
	6T-3633	1	RING-LOCKING						
	6V-8374	2	SCREW-MACHINE (6-32X0.25-IN)						
	5N-5430	3	TRANSFORMER AS-CURRENT (RATIO 200:5)						
	3N-5977	1	BLOCK-FUSE (30-AMPERE)						
	8N-7864	1	FILM-WARNING (ELECTRICAL SHOCK HAZARD) (ENGLISH,FRENCH,SPANISH)						
	4W-2694	1	FILM-WARNING (ELECTRICAL SHOCK HAZARD) (PORTUGUESE,ARABIC,GERMAN)						
	7W-0482	3	FUSE (2-AMPERE)						
	3N-5982	1	KNOB (RHEOSTAT VOLTAGE ADJUST)						
	7W-9018	1	FILM-IDENTIFICATION (TERMINAL MARKER)						
	4W-8647	1	METER-FREQUENCY (45-65 HZ)						
	4W-8644	1	METER-VOLT (0 TO 300-VOLT)						
	4W-8645	1	METER-VOLT (0 TO 600-VOLT)						
	7W-6969	1	METER-VOLT (0 TO 750-VOLT)						
	4W-9315	1	METER-WATT (200-VOLT)						
	4W-9316	1	METER-WATT (240-VOLT)						
	4W-9317	1	METER-WATT (300-VOLT)						
	4W-9318	1	METER-WATT (400-VOLT)						
	4W-9319	1	METER-WATT (480-VOLT)						
	4W-9320	1	METER-WATT (600-VOLT)						
	7W-9802	1	PLATE-IDENTIFICATION (CATERPILLAR)						
	6L-7003	1	POTENTIOMETER (LEVEL & GAIN)						
	5N-5498	1	RELAY (32-VOLT DC)						
	3N-5981	1	RHEOSTAT (VOLTAGE ADJUST)						
	4W-5731	1	RHEOSTAT (VOLTAGE ADJUST)						
	4W-8787	1	SOCKET-RELAY						
	5N-5540	2	STRIP-TERMINAL						
	3N-5976	1	SWITCH (4 POSION AMMETER/VOLTMETER PHASE SELECTOR)						
	4W-8792	1	TIMER-COOL DOWN						
	4W-8791	1	TIMER-CYCLE						
	3N-7817	1	TRACK-RELAY						
	4W-8102	3	TRANSFORMER-CURRENT (RATIO 150:5)						
	5N-5429	3	TRANSFORMER-CURRENT (RATIO 100:5)						

OPERATOR STATION

7W-2411 PANEL AR-CONTROL (contd.)

i03025009

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	5N-5431	3	TRANSFORMER-CURRENT (RATIO 300:5)						
	5N-5432	3	TRANSFORMER-CURRENT (RATIO 400:5)						
	5N-5433	3	TRANSFORMER-CURRENT (RATIO 600:5)						
	5N-5434	3	TRANSFORMER-CURRENT (RATIO 800:5)						
	7W-8839	3	TRANSFORMER-CURRENT (RATIO 1000:5)						
	7W-8838	3	TRANSFORMER-CURRENT (RATIO 1200:5)						
	7W-8837	3	TRANSFORMER-CURRENT (RATIO 1500:5)						
Y-SEPARATE ILLUSTRATION									
<END>									

7W-3401 PANEL AR-CONTROL AN ATTACHMENT

SMCS-7451

i03025011

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE	
			1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	4W-5391	1	BOX AS-GOVERNOR PREREGULATOR						176	
	2W-8683	1	BLOCK-CONTACT							
	4W-8790	1	BLOCK-FUSE							
	4W-8734	1	BOARD AS-FAULT (24 VOLT)							
	3N-5719	4	LAMP (24-VOLT)							
	4W-8745	4	HOUSING AS-LAMP							
	4W-8746	4	LENS-LAMP (RED)							
	7W-3403	1	BOARD AS-FAULT (32 VOLT)							
	3N-5719	4	LAMP (24-VOLT)							
	4W-8745	4	HOUSING AS-LAMP							
	4W-8746	4	LENS-LAMP (RED)							
	131-5453	1	CONTROL AS-GOVERNOR							
	2W-4899	1	DIODE AS							
	7W-3069	1	FILM-CONTROL PANEL (ENGLISH)							
	7W-3070	1	FILM-CONTROL PANEL (FRENCH)							
	7W-3071	1	FILM-CONTROL PANEL (SPANISH)							
	7W-3072	1	FILM-CONTROL PANEL (PORTUGUESE)							
	7W-3073	1	FILM-CONTROL PANEL (GERMAN)							
	7W-3074	1	FILM-CONTROL PANEL (ARABIC)							
	7T-0037	2	FUSE (0.75-AMPERE)							
	4W-8226	1	MARKER (TERMINAL)							
	4W-8227	1	MARKER (TERMINAL)							
	5N-5498	4	RELAY (32-VOLT DC)							
	3N-5714	4	RELAY AS (24-VOLT)							
	4W-8787	4	SOCKET-RELAY							
	4W-8229	2	STRIP-TERMINAL (20 POINT)							
	3N-5976	1	SWITCH (ENGINE CONTROL)							
	4W-8735	1	SWITCH-STOP (EMERGENCY)							
	3N-5978	1	TIMER AS-ON DELAY (ARMING)							
	3N-5978	1	TIMER AS-ON DELAY (OVERCRANK)							
	4W-8792	1	TIMER-COOL DOWN							
	4W-8791	1	TIMER-CYCLE (CRANK)							
	7W-3645	1	TRACK-MOUNTING (TIMER)							
	3N-7817	2	TRACK-RELAY (TIMER MTG)							
	Y-SEPARATE ILLUSTRATION									
	<END>									

OPERATOR STATION

103-4773 PANEL AR-CONTROL

AN ATTACHMENT

SMCS-7451

i02989200

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	7E-1234	1	CONTROL GP-ALARM MODULE						387
Y	9Y-2906	1	CONTROL GP-ALARM MODULE						388
Y	9Y-2907	1	CONTROL GP-ALARM MODULE						389
YR	101-0225	1	CONTROL GP-EMCP ELECTRONIC						391
YR	133-6350	1	CONTROL GP-EMCP ELECTRONIC (GENERATOR SET CONTROL)						394
Y	7E-8396	1	CONTROL GP-FUEL (AUXILIARY)						192
Y	4P-2788	1	GOVERNOR AS-ELECTRONIC (SPEED SENSING)						211
Y	4W-9313	1	GOVERNOR AS-ELECTRONIC (STANDBY)						213
Y	4W-9314	1	GOVERNOR AS-ELECTRONIC (STANDBY- PREREGULATOR)						214
Y	7E-1232	1	GOVERNOR AS-ELECTRONIC (SPEED SENSING)						215
Y	106-5169	1	MODULE GP-SYNCHRONIZING LIGHTS						421
Y	106-5171	1	MODULE GP-SYNCHRONIZING LIGHTS						422
Y	103-8975	1	SEAL GP-ENCLOSURE						455
Y	111-7760	1	SHUTOFF GP-ELECTRICAL (RUN)						339
Y	111-7761	1	SHUTOFF GP-ELECTRICAL (SHUTOFF)						340
	1N-9770	1	CIRCUIT BREAKER AS (12.5-AMPERE)						
	6V-8376	2	SCREW-MACHINE (8-32X0.25-IN)						
	9B-7233	2	LOCKWASHER						
	200-8577	1	CIRCUIT BREAKER AS (20-AMPERE)						
	6V-8376	2	SCREW-MACHINE (8-32X0.25-IN)						
	9B-7233	2	LOCKWASHER						
	2W-4899	1	DIODE AS (5-AMPERE/BLADE CONNECTORS)						
	5N-4988	1	DIODE AS (5-AMPERE/SPADE LUG)						
	9Y-8412	1	DIODE AS (SUPPRESSOR)						
	3N-5611	2	MOUNT AS						
	7C-1009	1	PLATE AS-COVER						
	110-6845	1	PLUG AS-CONNECTOR (40-PIN)						
	1U-9053	1	CAPSULE-LUBRICANT						
	110-6844	1	SEAL						
	3E-3388	1	RECEPTACLE AS-CONNECTOR (8-PIN)						
	102-8806	1	KIT-RECEPTACLE (8-PIN)						
	3N-5714	1	RELAY AS (24-VOLT) (PANEL LIGHT)						
	7G-9730	2	SOCKET AS-LAMP (PANEL)						
	9X-8124	2	SWITCH AS-MAGNETIC (24-VOLT) (STARTING MOTOR)						
	7N-8008	1	SWITCH AS-TOGGLE (GOVERNOR)						
	3L-8187	6	LOCKWASHER						
	6T-3631	2	NUT-HEX (15/32-32-THD)						
	6T-3632	1	LOCKWASHER						
	6T-3633	1	RING-LOCKING						
	6V-8374	6	SCREW-MACHINE (6-32X0.25-IN)						
	8C-9812	1	SWITCH AS-TOGGLE (STARTING AID)						
	3L-8187	3	LOCKWASHER						
	6T-3631	2	NUT-HEX (15/32-32-THD)						
	6T-3632	1	LOCKWASHER						
	6T-3633	1	RING-LOCKING						
	6V-8374	3	SCREW-MACHINE (6-32X0.25-IN)						
	8D-2676	1	SWITCH AS-TOGGLE (PANEL LIGHT)						
	3L-8187	2	LOCKWASHER						
	6T-3631	2	NUT-HEX (15/32-32-THD)						
	6T-3632	1	LOCKWASHER						
	6T-3633	1	RING-LOCKING						
	6V-8374	2	SCREW-MACHINE (6-32X0.25-IN)						
	5N-5430	3	TRANSFORMER AS-CURRENT (RATIO 200:5)						
	7W-8836	3	TRANSFORMER AS-CURRENT (RATIO 2000:5)						

OPERATOR STATION

103-4773 PANEL AR-CONTROL (contd.)

i02989200

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	5N-9117	3	ADAPTER						
	103-6197	1	BLOCK-TERMINAL (4-POINT)						
	104-2994	1	BLOCK-TERMINAL (1-POINT)						
	8T-2501	2	BOLT (3/8-16X2-IN)						
	4P-2162	3	CLIP						
	5N-9072	3	CLIP						
	5N-9067	3	COLLAR						
D	6V-5817		CONDUIT-FLEXIBLE (20-DM)						
	103-1837	1	FILM-CONTROL PANEL (MANUAL STARTING AID)						
	103-1838	1	FILM-CONTROL PANEL (AUTO STARTING AID)						
	7C-4062	1	FILM-IDENTIFICATION (REVERSE POWER)						
	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)						
	9Y-9782	1	FILM-IDENTIFICATION (10-AMPERE FUSE)						
	9Y-9783	1	FILM-IDENTIFICATION (2-AMPERE FUSE)						
	106-9926	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)						
	103-6332	1	FILM-INFORMATION (CSA CONTROL PANEL APPROVAL)						
	103-1836	1	FILM-TERMINAL STRIP						
	7C-0974	1	FILM-WARNING (ELECTRICAL SHOCK)						
	3K-8782	16	FUSE (10-AMPERE)						
	7W-0482	3	FUSE (2-AMPERE)						
	8T-2882	1	HANDLE-PULL (INSTRUMENT PANEL)						
	4W-5972	1	KNOB						
	7N-5876	2	LAMP (24-VOLT, 5.6-WATT) (CLEAR)						
	062-5388	3	LOCKNUT (1-11-1/2-THD)						
	4D-1326	2	LOCKWASHER						
	8C-7507	4	LOCKWASHER						
	7C-6121	2	MOUNT-FLEXIBLE						
	4B-2049	4	NUT (10-32-THD)						
	5P-4935	2	PLUG-BUTTON						
	129-0308	1	POTENTIOMETER (2-WATT) (VOLTAGE ADJUST)						
	127-9070	1	POTENTIOMETER (10,000-OHM) (VOLTAGE ADJUST)						
	5N-5510	1	RELAY-REVERSE POWER (SYNCHRONIZING PANEL)						
	7C-4378	1	RELAY-REVERSE POWER						
	112-7959	1	RELAY-TIME DELAY (OVERCURRENT)						
	123-4944	1	RELAY-TIME DELAY (240-VOLT, OVER VOLTAGE)						
	123-4945	1	RELAY-TIME DELAY (240-VOLT, OVER VOLTAGE)						
	123-4946	1	RELAY-TIME DELAY (416-VOLT, OVER VOLTAGE)						
	123-4947	1	RELAY-TIME DELAY (480-VOLT, OVER VOLTAGE)						
	126-0558	1	RELAY-TIME DELAY (600-VOLT, OVER VOLTAGE)						
	3N-5981	1	RHEOSTAT						
	4W-5731	1	RHEOSTAT						
	2N-3479	4	SCREW (10-24X0.5-IN)						
	4P-2161	3	SCREW						
	6V-6640	1	SEALANT (ACCESS COVER)						
	4W-8787	1	SOCKET-RELAY (PANEL LIGHT)						
	7C-9179	1	STRIP-TERMINAL						
	3N-5979	1	SWITCH-ROTARY (4-POSITION) (ENGINE CONTROL)						
	9D-3721	1	SWITCH-TOGGLE (STARTING AID)						
	4W-8102	3	TRANSFORMER-CURRENT (RATIO 150:5)						
	5N-5429	3	TRANSFORMER-CURRENT (RATIO 100:5)						
	5N-5431	3	TRANSFORMER-CURRENT (RATIO 300:5)						
	5N-5432	3	TRANSFORMER-CURRENT (RATIO 400:5)						
	5N-5433	3	TRANSFORMER-CURRENT (RATIO 600:5)						
	5N-5434	3	TRANSFORMER-CURRENT (RATIO 800:5)						
	6I-1952	3	TRANSFORMER (RATIO 600:5)						
	7E-1112	3	TRANSFORMER (RATIO 800:5)						
	7E-1113	3	TRANSFORMER (RATIO 1000:5)						
	7E-1114	3	TRANSFORMER (RATIO 1200:5)						
	7E-1115	3	TRANSFORMER (RATIO 1500:5)						

OPERATOR STATION

103-4773 PANEL AR-CONTROL (contd.)

i02989200

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	7E-1116	3	TRANSFORMER (RATIO 2000:5)						
	7E-1117	3	TRANSFORMER (RATIO 2500:5)						
	7E-1118	3	TRANSFORMER (RATIO 3000:5)						
	7E-1119	3	TRANSFORMER (RATIO 4000:5)						
	7W-6598	3	TRANSFORMER (RATIO 3000:5)						
	7W-7805	3	TRANSFORMER (RATIO 4000:5)						
	7W-8835	3	TRANSFORMER (RATIO 2500:5)						
	7W-8837	3	TRANSFORMER-CURRENT (RATIO 1500:5)						
	7W-8838	3	TRANSFORMER-CURRENT (RATIO 1200:5)						
	7W-8839	3	TRANSFORMER-CURRENT (RATIO 1000:5)						
	4B-4274	4	WASHER (5.5X13X1.2-MM THK)						
	4P-2160	3	RING-RETAINING						
	155-2260	1	KIT-CONNECTING PLUG (3-PIN)						
	155-2274	1	KIT-CONNECTING PLUG (6-PIN)						
			(EACH CONNECTING KIT INCLUDES PLUG ASSEMBLY, WEDGE AND SEAL)						
D-ORDER BY THE METER R-REMG PART MAY BE AVAILABLE Y-SEPARATE ILLUSTRATION									
<END>									

OPERATOR STATION

119-6031 PANEL GP-CONTROL

AN ATTACHMENT

SMCS-4490, 7451

i02866017

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	3N-5611	2	MOUNT AS	
C	2	2	2N-3479	10	SCREW (10-24X0.5-IN)	
C	3	2	4B-4274	18	WASHER (5.5X13X1.2-MM THK)	
	4	2	8C-7507	4	LOCKWASHER	
	5	1	7W-0482	3	FUSE (2-AMPERE)	
	6	2	7C-6121	2	MOUNT-FLEXIBLE	
C	7	1	130-9716	1	FILM-INFORMATION (CONTROL PANEL)	
C	8	2	9Y-9771	1	FILM-IDENTIFICATION (CONTROL PANEL)	
	9	2	4P-2160	3	RING-RETAINING	
	10	2	4P-2161	3	SCREW	
	11	2	4P-2162	3	CLIP	
YR	12	1	101-0225	1	CONTROL GP-EMCP ELECTRONIC	391
	13	1	9Y-9783	1	FILM-IDENTIFICATION (2-AMPERE FUSE)	
	15	1	111-1323	1	BLOCK-CONTACT	
	16	1	111-1324	1	BLOCK-CONTACT	
	17	1	109-6507	1	SWITCH AS-PUSH BUTTON (EMERGENCY STOP)	
	18	1	9X-8124	2	SWITCH AS-MAGNETIC (24-VOLT) (STARTING MOTOR)	
	19	1	3N-5979	1	SWITCH-ROTARY (4-POSITION) (PANEL LIGHT)	
C	20	1	4W-5972	1	KNOB	
C	21	1	7C-4550	1	SEAL	
C	22	1	5L-5840	1	WASHER (9.25X16.92X1.83-MM THK)	
	23	1	120-8135	1	FILM-CONTROL PANEL (DIAGNOSTIC RESET)	
C	24	1	127-9068	1	POTENTIOMETER (100-OHM, 2-WATT) (ENGINE SPEED)	
CYR	25	1	151-6260	1	CONTROL GP-EMCP ELECTRONIC	397
C	26	1	3K-8782	20	FUSE (10-AMPERE)	
	27	1	9Y-9782	1	FILM-IDENTIFICATION (10-AMPERE FUSE)	
Y	28	1	157-2792	1	STRIP AS-TERMINAL (EMCP II)	361
C	29	1, 2	9F-8125	14	LOCKWASHER	
	30	1	106-9926	1	FILM-IDENTIFICATION (CONTROL PANEL WIRE)	
	31	2	5P-0372	1	LOCK PIN	
	32	2	1B-0676	1	PIN	
	33	2	126-7488	1	CABLE AS (GROUND)	
		2	2L-8076	1	TERMINAL (14-GA TO 16-GA, NO. 10 SCREW)	
		2	2L-8077	1	TERMINAL (14-GA TO 16-GA)	
	34	2	173-0467	1	HARNESS AS-PANEL (GENERATOR SET CONTROL)	
		2	5N-9067	1	COLLAR	
		2	5N-9072	1	CLIP	
		2	5N-9117	1	ADAPTER	
		2	104-3651	1	LOCKNUT (1-11-1/2 NPT-THD)	
		2	109-3038	1	END-WIRE (16-GA)	
	35	2	126-3099	1	HARNESS AS-PANEL	
	36	2	166-9275	1	HARNESS AS-PANEL (INTERNAL COMPONENTS)	
		2	8L-8413	53	STRAP-CABLE	
		2	109-3038	3	END-WIRE (16-GA)	
		2	110-8714	1	END-WIRE (18-GA)	
	37	2	126-3103	1	HARNESS AS-PANEL (GOVERNOR)	
	38	2	173-0469	1	HARNESS AS-PANEL (GENERATOR SET CONTROL)	
		2	155-2260	2	KIT-CONNECTING PLUG (3-PIN)	
		2	155-2274	1	KIT-CONNECTING PLUG (6-PIN)	
					(EACH PLUG KIT INCLUDES PLUG AS & WEDGE)	
		2	102-8806	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		2	110-6845	1	PLUG AS-CONNECTOR (40-PIN)	
		2	5N-9067	1	COLLAR	
		2	5N-9072	1	CLIP	
		2	5N-9117	1	ADAPTER	
		2	104-3651	1	LOCKNUT (1-11-1/2 NPT-THD)	

OPERATOR STATION

119-6031 PANEL GP-CONTROL (contd.)

i02866017

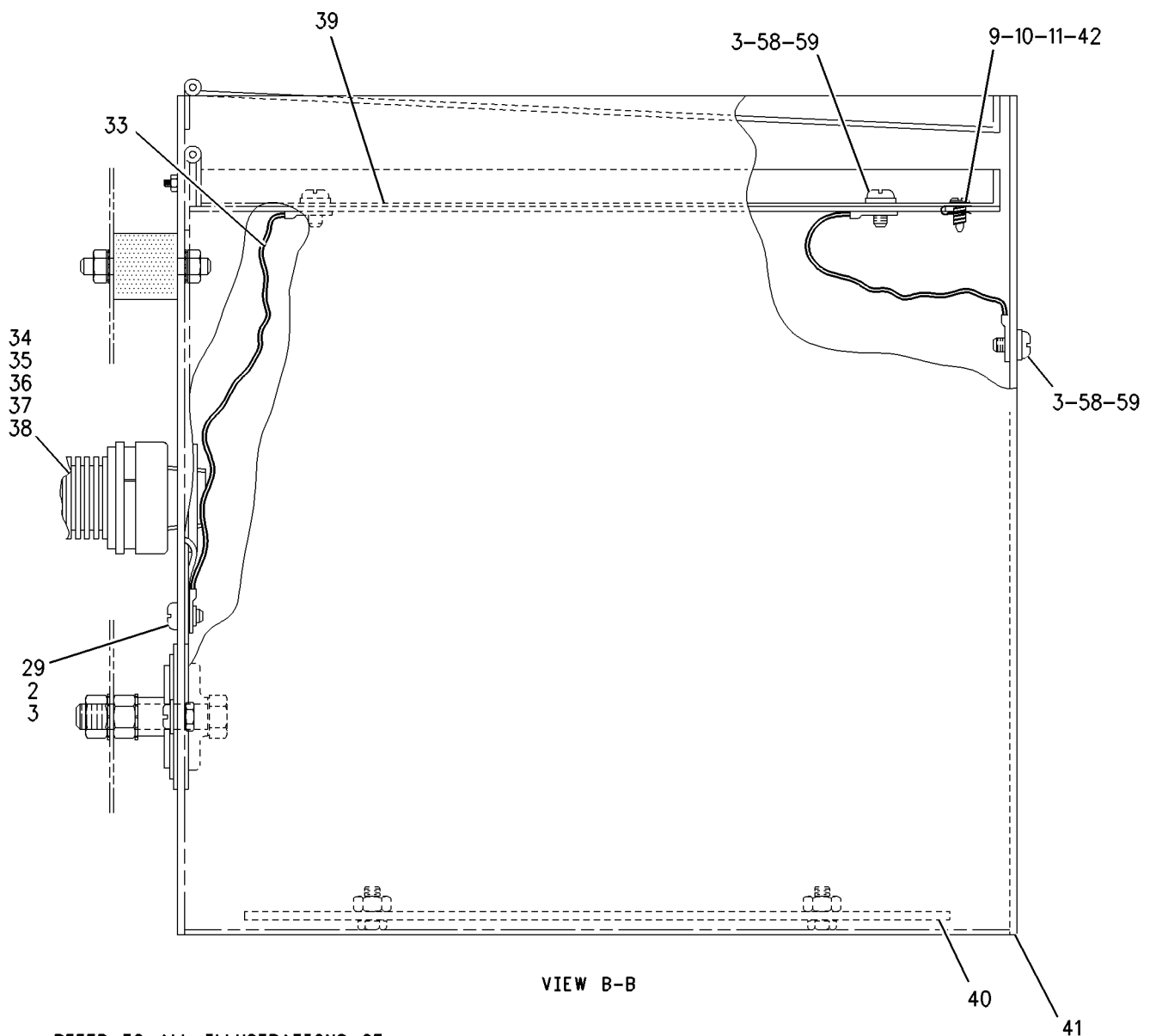
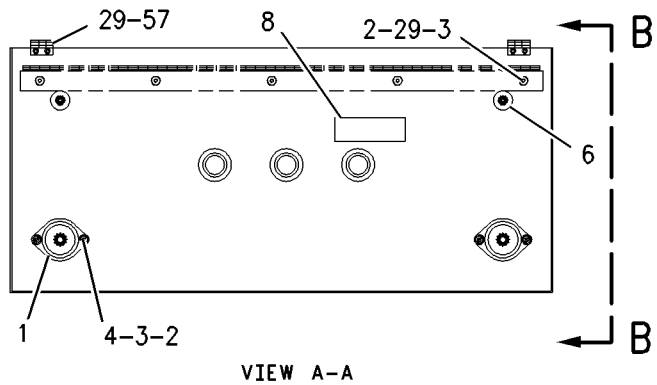
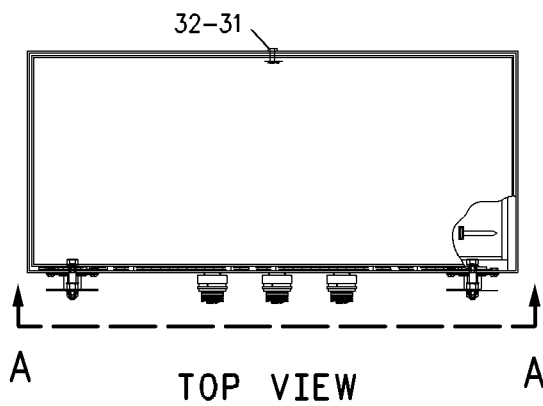
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
		2	109-3038	23	END-WIRE (16-GA)						
E		2	134-6258		CABLE-ELECTRICAL (16-GA) (163-CM)						
	39	2	104-7287	1	PANEL AS						
	40	2	101-9798	1	PANEL AS						
	41	2	158-6174	1	BOX AS						
	42	2	126-7491	2	STRAP (EMCP II)						
	44	1	126-7490	1	BAR						
	45	1	126-7489	1	DUCT						
	46	1	2D-6235	4	LOCKNUT (1/4-20-THD)						
M	47	1	5C-2890	4	NUT (M6X1-THD)						
C	48	1	9H-1958	1	CIRCUIT BREAKER GP (20-AMPERE)						
		1	6V-8376	2	SCREW-MACHINE (8-32X0.25-IN)						
		1	9B-7233	2	LOCKWASHER						
	49	1	126-7492	1	BRACKET						
	50	1	8T-2882	1	HANDLE-PULL						
	52	1	6V-5182	2	PLUG						
	53	1	103-6197	1	BLOCK-TERMINAL						
C	54	1	7C-1009	2	PLATE AS-COVER						
C	56	1	4B-2049	6	NUT (10-32-THD)						
C	57	2	2N-3478	4	SCREW-MACHINE (10-24X0.375-IN)						
C	58	2	2N-3480	2	SCREW-MACHINE (10-24X0.75-IN)						
C	59	2	4B-2041	4	NUT (6-32-THD)						
C	60	1	6V-2687	2	SCREW-PAN HEAD (10-24X1-IN)						
C	61	1	4B-2042	2	NUT (NO 8-32-MM)						
C	62	1	4B-4863	2	WASHER (4.7X11X1.2-MM THK)						
C	63	1	5P-0537	8	WASHER-HARD (7.2X14.5X2-MM THK)						
C	64	1	2A-0762	8	BOLT (1/4-20X0.625-IN)						
C	65	1	2N-3475	1	SCREW (6-32X0.5-IN)						
C	66	1	7T-0037	1	FUSE (0.75-AMPERE)						
C	67	1	4W-8790	1	BLOCK-FUSE						
C	68	1	5N-5159	1	JUMPER-STRIP						
C	69	1	173-7181	14	NUT (1/4-20-THD)						
CE	70	1	151-4908		WIRE-ELECTRICAL (18-GA, WHITE) (4-CM)						
C	71	1	124-3176	1	COVER						
C	73	1	186-3165	2	CLAMP-CABLE						
C	74	1	8C-8514	2	SCREW-MACHINE (8-32X0.375-IN)						
F			3S-2093	8	STRAP-CABLE						
F			8L-8413	25	STRAP-CABLE						

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
F-NOT SHOWN
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

OPERATOR STATION

119-6031 PANEL GP-CONTROL (contd.)

i02866017



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

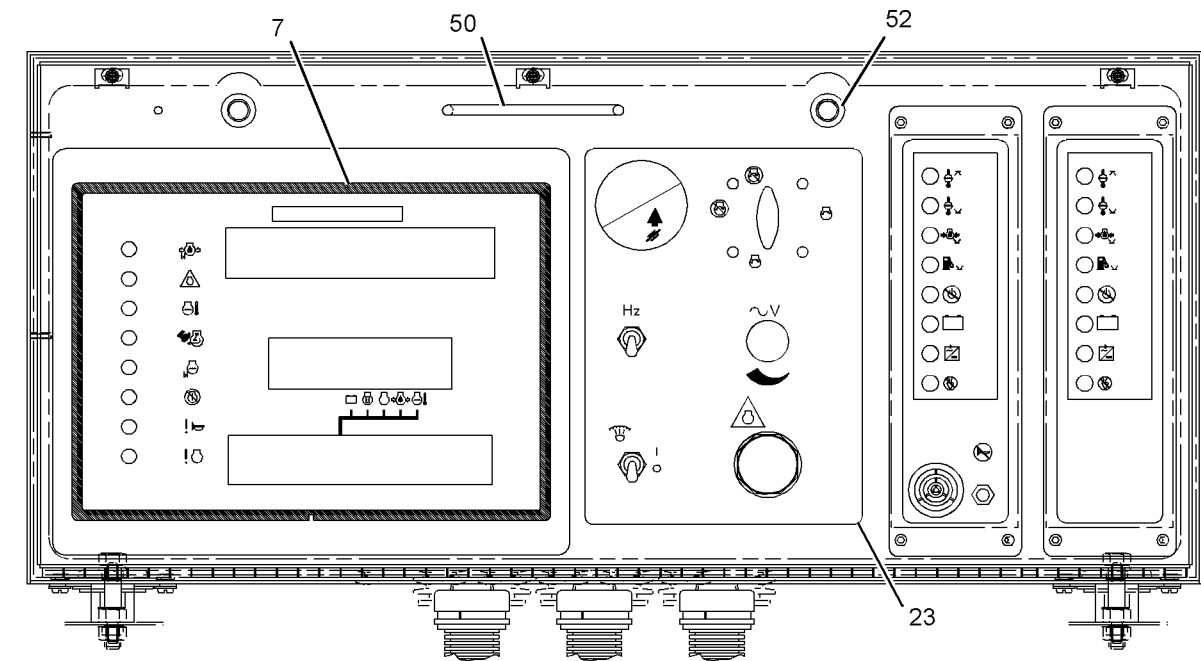
GRAPHIC #1

g00994816

OPERATOR STATION

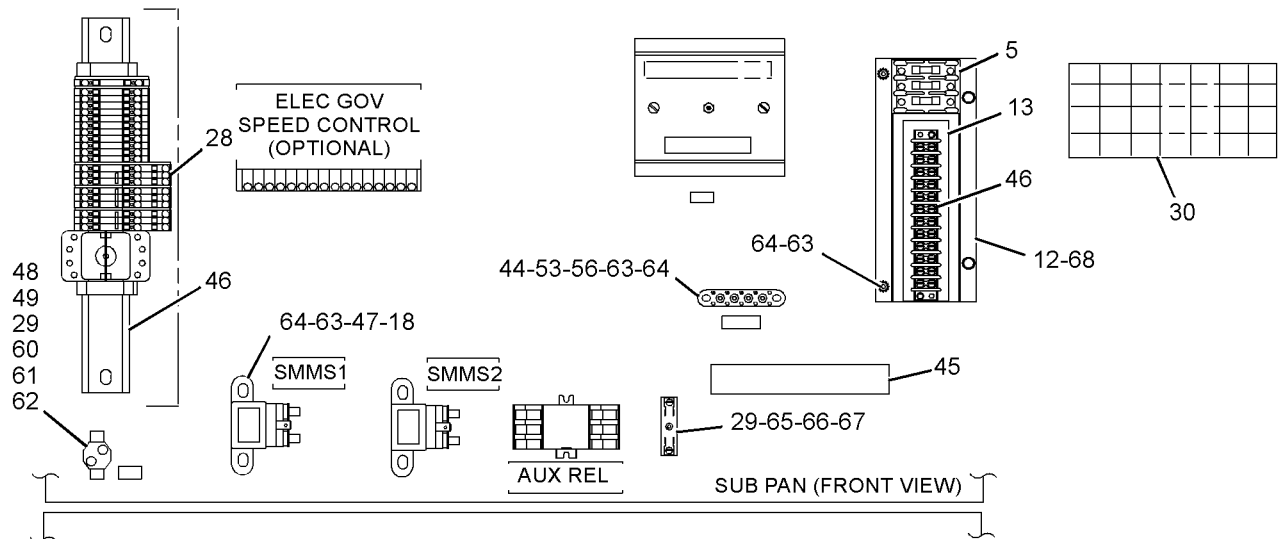
119-6031 PANEL GP-CONTROL (contd.)

i02866017

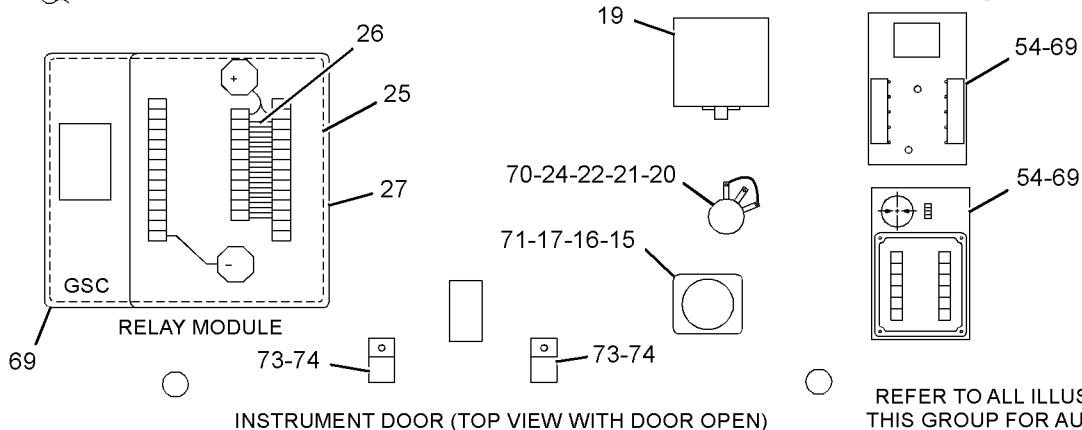


LEFT SIDE
OF ENCLOSURE

INSTRUMENT PANEL LAYOUT



SUB PAN (FRONT VIEW)



INSTRUMENT DOOR (TOP VIEW WITH DOOR OPEN)

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

<END>

g01378586

OPERATOR STATION

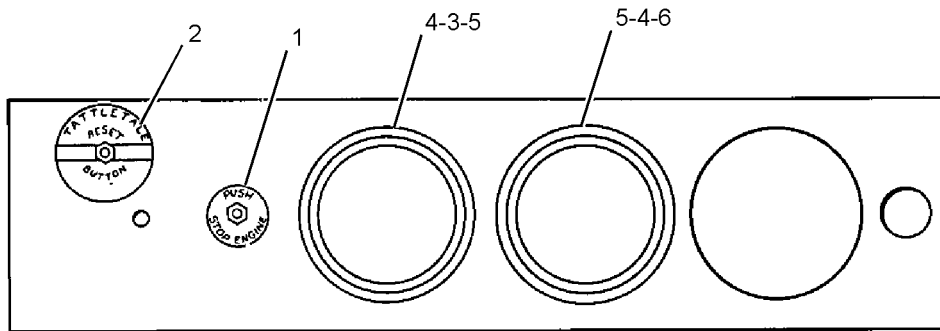
2W-5994 PANEL GP - INSTRUMENT

PART OF 112-4443, 112-4444 PANEL GP-INSTRUMENT
FOR USE WITH SOLID STATE IGNITION
AN ATTACHMENT

SMCS-7451

i03025001

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6L-2309	1	SWITCH-STOP						
	2	1	8L-5849	1	SWITCH-MAGNETIC						
	3	1	2W-3727	1	INDICATOR AS (WATER TEMPERATURE)						
		1	214-3614	1	ADAPTER						
	4	1	6V-3507	2	SEAL-RECTANGULAR						
	5	1	7W-2731	2	RETAINER						
	6	1	2W-8436	1	INDICATOR AS-PRESSURE (OIL)						



GRAPHIC #1

<END>

g01133251

OPERATOR STATION

112-4443 PANEL GP - INSTRUMENT

WATER TEMPERATURE & OIL PRESSURE

AN ATTACHMENT

SMCS-7451

i01790039

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	2W-5994	1	PANEL GP- INSTRUMENT	440
	2	1	5B-2638	1	BOLT (3/8-16X5.25-IN)	
	3	1	4P-8134	2	CLIP	
	4	1	1B-9575	3	BOLT (5/16-18X1.56-IN)	
	5	1	9M-1974	3	WASHER-HARD (8.8X16X2-MM THK)	
I	6	1	3N-7239	1	HOSE AS	
	7	1	5D-9231	1	CONNECTOR	
	8	1	1D-4541	1	BOLT (5/16-18X3-IN)	
	9	1	3L-2875	1	CLIP	
	10	1	3H-9348	1	BOSS	
	11	1	8N-4057	1	TUBE AS	
	12	1	6K-1972	1	ELBOW-FLARED	
	13	1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	14	1	8B-4884	1	ELBOW	
	15	1	1S-0666	1	ADAPTER	
	16	1	3B-7264	1	FITTING	
	17	1	7N-6369	2	BRACE-PANEL	
	18	1	3B-6487	1	COUPLING (PIPE)	
	19	1	0S-1615	2	BOLT (1/4-20X0.75-IN)	
	20	1	6V-8185	6	NUT (1/4-20-THD)	
D	21	1	5P-5624		WIRE (14-GA, BLACK) (0.1M)	
B	22	1	3S-2093	3	STRAP-CABLE	
	23	1	4B-1219	1	SCREW-MACHINE (6-32X0.375-IN)	
	24	1	5H-6555	1	LOCKWASHER	
	25	1	4B-2040	1	NUT (6-32-THD)	
	26	1	2L-8074	1	TERMINAL (14-GA TO 16-GA, NO. 6 SCREW)	
	27	1	2L-8077	1	TERMINAL (14-GA TO 16-GA)	
	28	1	7H-4155	4	MOUNT-FLEXIBLE	
	29	1	7N-3001	1	PLATE-PANEL MOUNTING	
	30	1	2N-2258	7	RIVET-POP	
	31	1	8T-4205	6	WASHER-HARD (7.2X14.5X2-MM THK)	
	32	1	7X-2501	4	BOLT (1/4-20X1.25-IN)	
	33	1	9X-6772	2	STRAP-CABLE	

B- USE AS REQUIRED

D- ORDER BY THE METER

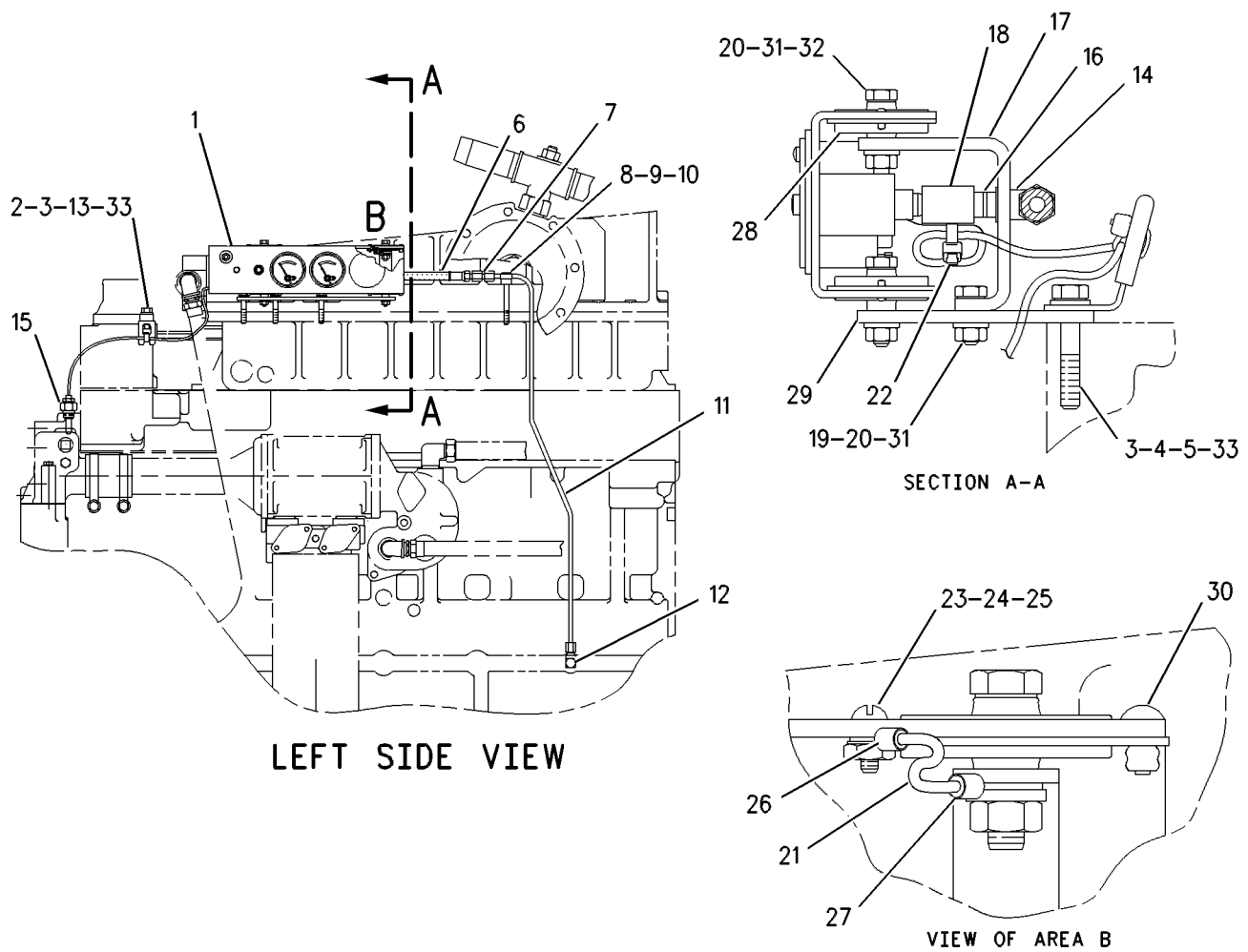
I- REFER TO HYDRAULIC INFORMATION SYSTEM

Y- SEPARATE ILLUSTRATION

OPERATOR STATION

112-4443 PANEL GP - INSTRUMENT (contd.)

i01790039



GRAPHIC #1

<END>

g00297034

OPERATOR STATION

112-4444 PANEL GP - INSTRUMENT

WATER TEMPERATURE & OIL PRESSURE

AN ATTACHMENT

SMCS-7451

i01790040

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6K-1972	1	ELBOW-FLARED						
	2	1	7E-2642	1	TUBE AS						
	3	1	124-0174	1	CLIP						
	4	1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5-MM THK)						
I	5	1	3N-7229	1	HOSE AS						
	6	1	3S-2093	3	STRAP-CABLE						
Y	7	1	2W-5994	1	PANEL GP- INSTRUMENT						440
	8	1	6K-6967	2	ADAPTER-PIPE						
	9	1	7J-7639	1	CLIP						
	10	1	1S-0666	1	ADAPTER						
	11	1	1C-0569	1	BOLT (5/16-18X0.5-IN)						
	12	1	2L-8077	1	TERMINAL (14-GA TO 16-GA)						
	13	1	7H-4155	4	MOUNT-FLEXIBLE						
	14	1	2N-2258	7	RIVET-POP						
	15	1	7B-2742	2	BOLT (1/4-20X1.25-IN)						
	16	1	9S-8750	6	NUT-FULL (1/4-20-THD)						
	17	1	2L-8074	1	TERMINAL (14-GA TO 16-GA, NO. 6 SCREW)						
D	18	1	5P-5624		WIRE (14-GA, BLACK) (.1M)						
	19	1	2L-6094	1	ELBOW						
	20	1	7N-6369	2	BRACE-PANEL						
	21	1	0S-1615	2	BOLT (1/4-20X0.75-IN)						
	22	1	7N-3001	1	PLATE-PANEL MOUNTING						
	23	1	2H-3755	2	BOLT (5/16-18X0.43-IN)						
	24	1	9M-1974	3	WASHER-HARD (8.8X16X2-MM THK)						
	25	1	4B-1219	1	SCREW-MACHINE (6-32X0.375-IN)						
		1	5H-6555	1	LOCKWASHER						
		1	4B-2040	1	NUT (6-32-THD)						
	26	1	8T-4205	2	WASHER-HARD (7.2X14.5X2-MM THK)						
	27	1	7X-2501	2	BOLT (1/4-20X1.25-IN)						
	28	1	5P-0537	4	WASHER-HARD (7.2X14.5X2-MM THK)						
F		1	9L-5125	1	ELBOW						
F		1	2N-1287	1	ELBOW-FLARED						
F		1	9X-6772	2	STRAP-CABLE						
F		1	4P-8134	2	CLIP (TIE WRAP)						

D- ORDER BY THE METER

F- NOT SHOWN

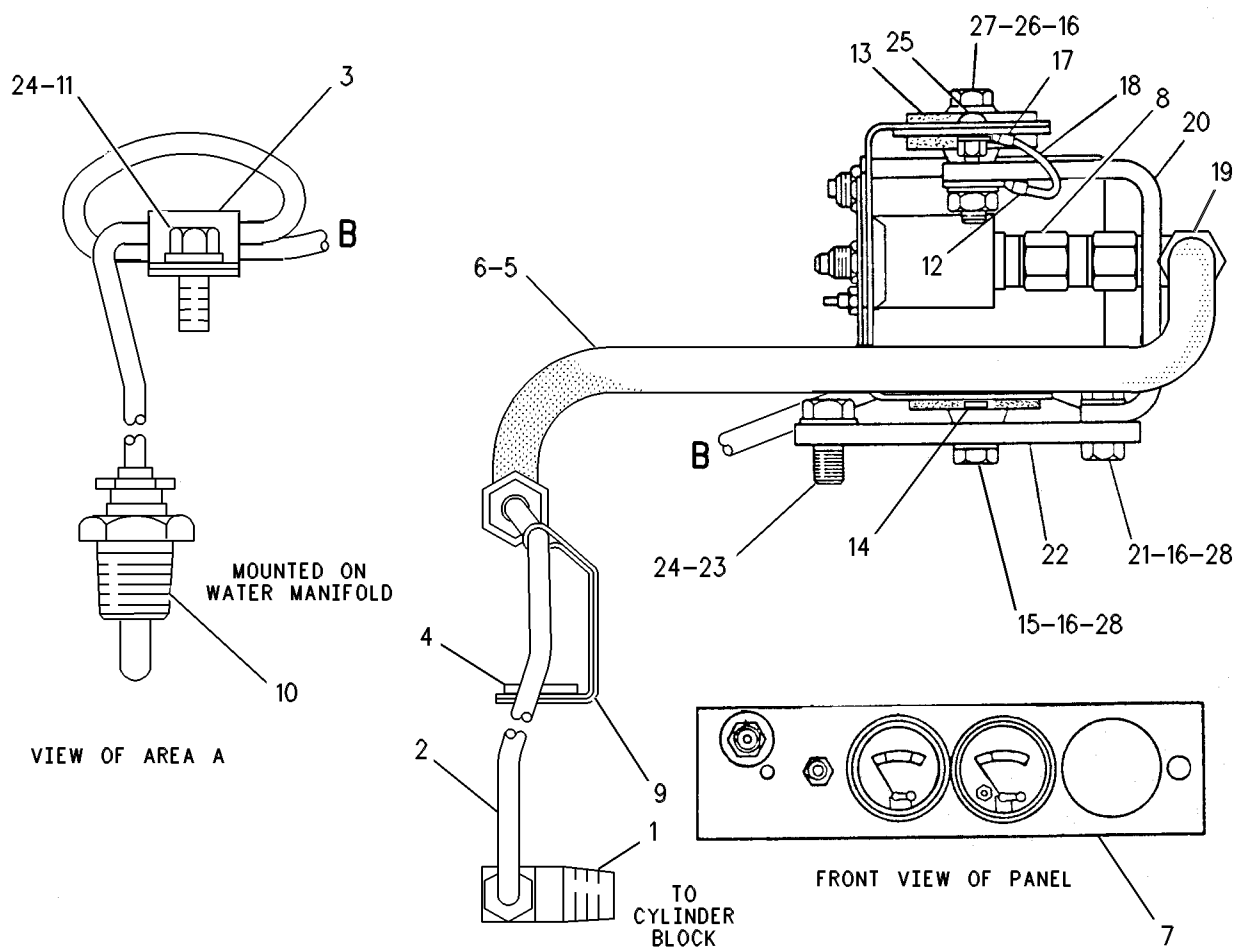
I- REFER TO HYDRAULIC INFORMATION SYSTEM

Y- SEPARATE ILLUSTRATION

OPERATOR STATION

112-4444 PANEL GP - INSTRUMENT (contd.)

i01790040



GRAPHIC #1

<END>

g00265111

OPERATOR STATION

119-7252 PANEL GP - INSTRUMENT

AN ATTACHMENT

TYPE 1

SMCS-7451

i03025022

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	110-4917	1	BRACKET	
Y	2	1	125-0959	1	WIRING GP-INSTRUMENT PANEL (IRRIGATION)	382
	3	1	119-7251	1	BRACKET	
	4	1	1H-4560	2	FITTING	
	5	1	4P-8134	5	CLIP	
	6	1	9X-6772	9	STRAP-CABLE	
	7	1	1C-0569	1	BOLT (5/16-18X0.5-IN)	
	8	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)	
	9	1	4P-7581	4	CLIP	
I	10	1	2V-5956	1	HOSE AS	
	11	1	6K-1972	1	ELBOW-FLARED	
	12	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	6H-6699	1	ADAPTER (HEAT INDICATOR)	
	14	1	9B-7237	4	BOLT (3/8-16X1.25-IN)	
	15	1	8T-4896	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	6V-8801	4	NUT (3/8-16-THD)	
	17	1	0S-1591	2	BOLT (3/8-16X1.5-IN)	
	18	1	3B-1915	1	BOLT (3/8-16X1.375-IN)	
	19	1	0T-0102	2	BOLT (3/8-16X0.625-IN)	
	20	1	6V-2455	1	SENSOR GP-SPEED (ENGINE)	

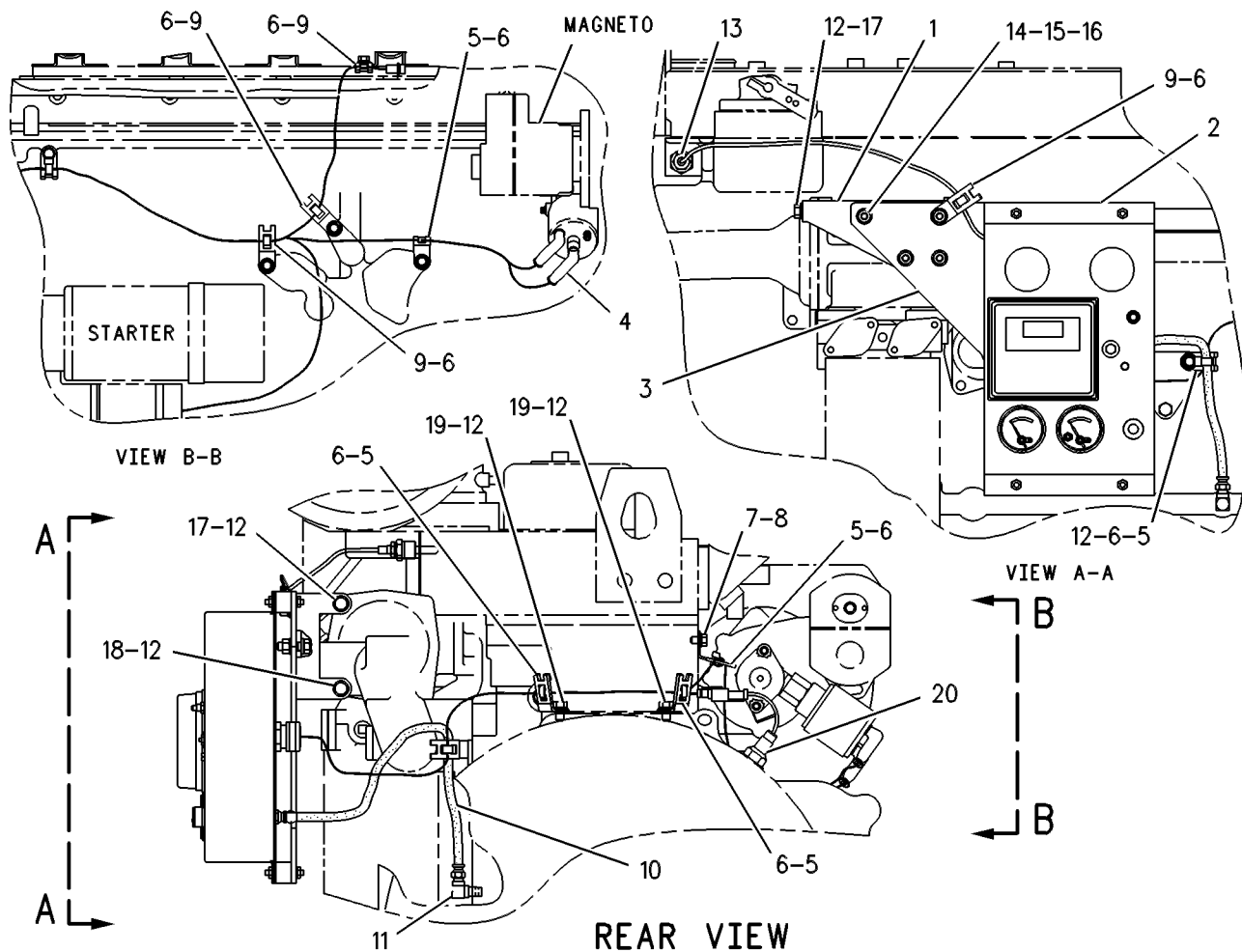
I-REFER TO HYDRAULIC INFORMATION SYSTEM

Y-SEPARATE ILLUSTRATION

OPERATOR STATION

119-7252 PANEL GP - INSTRUMENT (contd.)

i03025022



GRAPHIC #1

<END>

g00296166

OPERATOR STATION

119-7252 PANEL GP - INSTRUMENT

AN ATTACHMENT

TYPE 2

SMCS-7451

i03025021

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	110-4917	1	BRACKET	
Y	2	1	125-0959	1	WIRING GP-INSTRUMENT PANEL (IRRIGATION)	382
	3	1	119-7251	1	BRACKET	
	4	1	4P-8134	5	CLIP	
	5	1	9X-6772	9	STRAP-CABLE	
	6	1	1C-0569	1	BOLT (5/16-18X0.5-IN)	
	7	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)	
	8	1	4P-7581	4	CLIP	
I	9	1	2V-5956	1	HOSE AS	
	10	1	6K-1972	1	ELBOW-FLARED	
	11	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	12	1	6H-6699	1	ADAPTER (HEAT INDICATOR)	
	13	1	9B-7237	4	BOLT (3/8-16X1.25-IN)	
	14	1	8T-4896	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	6V-8801	4	NUT (3/8-16-THD)	
	16	1	0S-1591	2	BOLT (3/8-16X1.5-IN)	
	17	1	3B-1915	1	BOLT (3/8-16X1.375-IN)	
C	18	1	245-8845	1	SENSOR GP-SPEED (ENGINE)	
	19	1	0T-0102	2	BOLT (3/8-16X0.625-IN)	
	20	1	1H-4560	2	FITTING	

C-CHANGE FROM PREVIOUS TYPE

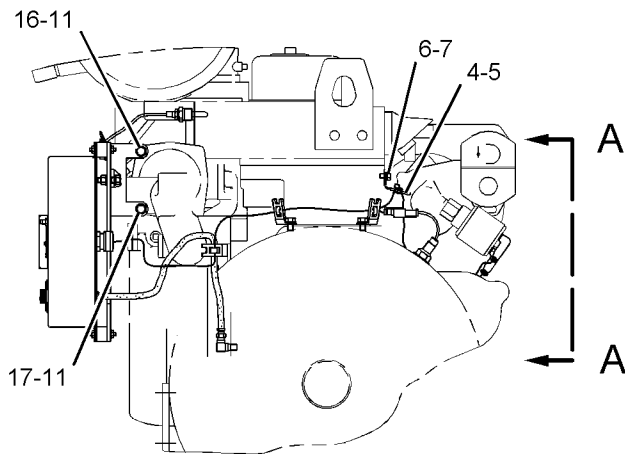
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Y-SEPARATE ILLUSTRATION

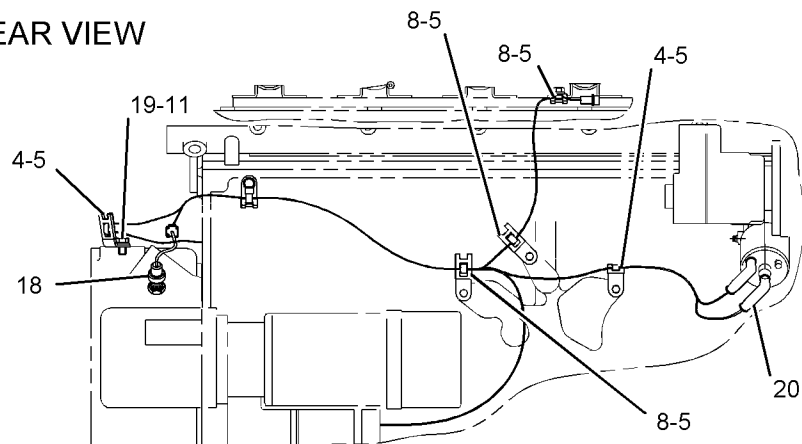
OPERATOR STATION

119-7252 PANEL GP - INSTRUMENT (contd.)

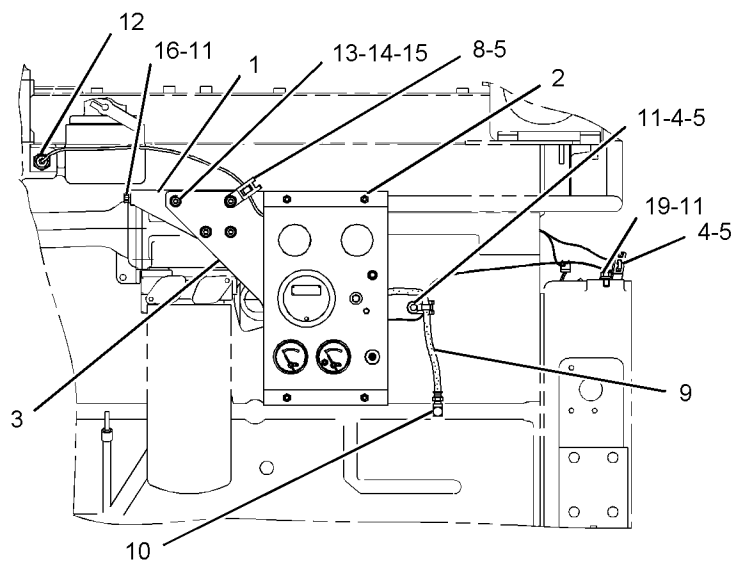
i03025021



REAR VIEW



VIEW A-A



LEFT SIDE VIEW
<END>

GRAPHIC #1

g01077390

OPERATOR STATION

119-7253 PANEL GP - INSTRUMENT

AN ATTACHMENT

TYPE 1

SMCS-7451

i00907226

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	110-4917	1	BRACKET						
Y	2	1	125-1005	1	WIRING GP - INSTRUMENT PANEL						383
	3	1	119-7251	1	BRACKET						
	4	1	6K-1972	1	ELBOW-FLARED						
I	5	1	2V-5956	1	HOSE AS						
	6	1	1H-4560	2	FITTING						
	7	1	6H-6699	1	ADAPTER (HEAT INDICATOR)						
	8	1	4P-7581	4	CLIP						
	9	1	9X-6772	9	STRAP-CABLE						
	10	1	1C-0569	1	BOLT (5/16-18X0.5-IN)						
	11	1	9M-1974	1	WASHER-HARD (8.8X16X2-MM THK)						
	12	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	13	1	4P-8134	4	CLIP						
	14	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	15	1	0S-1591	2	BOLT (3/8-16X1.5-IN)						
	16	1	9B-7237	4	BOLT (3/8-16X1.25-IN)						
	17	1	8T-4896	8	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	18	1	6V-8801	4	NUT (3/8-16-THD)						
	19	1	6V-2455	1	SENSOR GP-SPEED (ENGINE)						
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2-PIN)						
		1	8T-8729	2	PIN-CONNECTOR						
		1	9X-1386		SLEEVE (14CM)						
	20	1	0T-0102	2	BOLT (3/8-16X0.625-IN)						

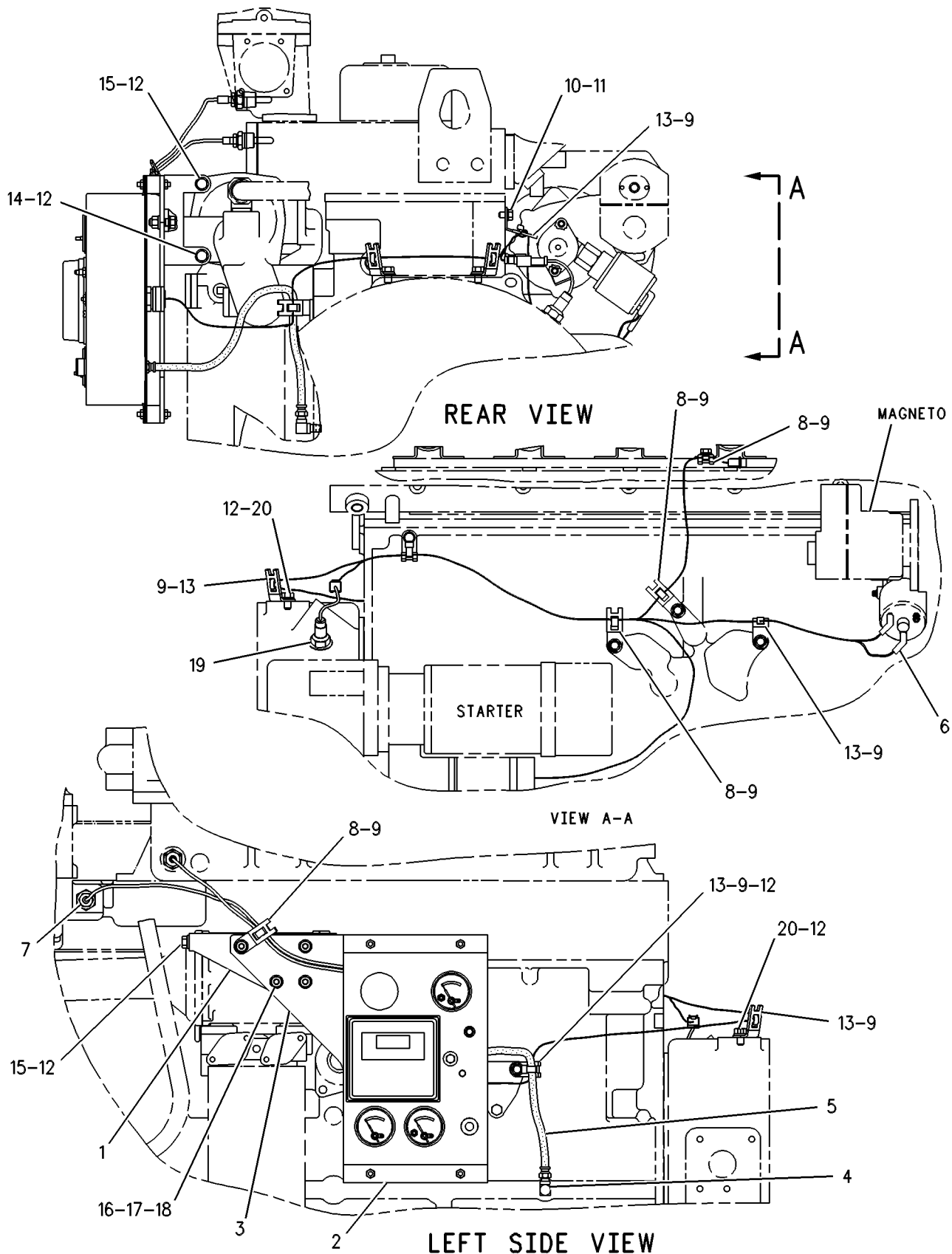
I-REFER TO HYDRAULIC INFORMATION SYSTEM

Y-SEPARATE ILLUSTRATION

OPERATOR STATION

119-7253 PANEL GP - INSTRUMENT (contd.)

i00907226



GRAPHIC #1

<END>

g00296167

OPERATOR STATION

119-7253 PANEL GP - INSTRUMENT

AN ATTACHMENT

TYPE 2

SMCS-7451

i02115751

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	110-4917	1	BRACKET						
Y	2	1	125-1005	1	WIRING GP - INSTRUMENT PANEL						383
	3	1	119-7251	1	BRACKET						
	4	1	6K-1972	1	ELBOW - FLARED						
I	5	1	2V-5956	1	HOSE AS						
	6	1	6H-6699	1	ADAPTER (HEAT INDICATOR)						
	7	1	4P-7581	4	CLIP						
	8	1	9X-6772	9	STRAP - CABLE						
	9	1	1C-0569	1	BOLT (5/16-18X0.5-IN)						
	10	1	9M-1974	1	WASHER - HARD (8.8X16X2-MM THK)						
	11	1	5M-2894	6	WASHER - HARD (10.2X18.5X2.5-MM THK)						
	12	1	4P-8134	5	CLIP						
	13	1	3B-1915	1	BOLT (3/8-16X1.375-IN)						
	14	1	0S-1591	2	BOLT (3/8-16X1.5-IN)						
	15	1	9B-7237	4	BOLT (3/8-16X1.25-IN)						
	16	1	8T-4896	8	WASHER - HARD (10.2X18.5X2.5-MM THK)						
	17	1	6V-8801	4	NUT (3/8-16-THD)						
C	18	1	245-8845	1	SENSOR GP - SPEED (ENGINE)						
	19	1	0T-0102	2	BOLT (3/8-16X0.625-IN)						
	20	1	1H-4560	2	FITTING						

C - CHANGE FROM PREVIOUS TYPE

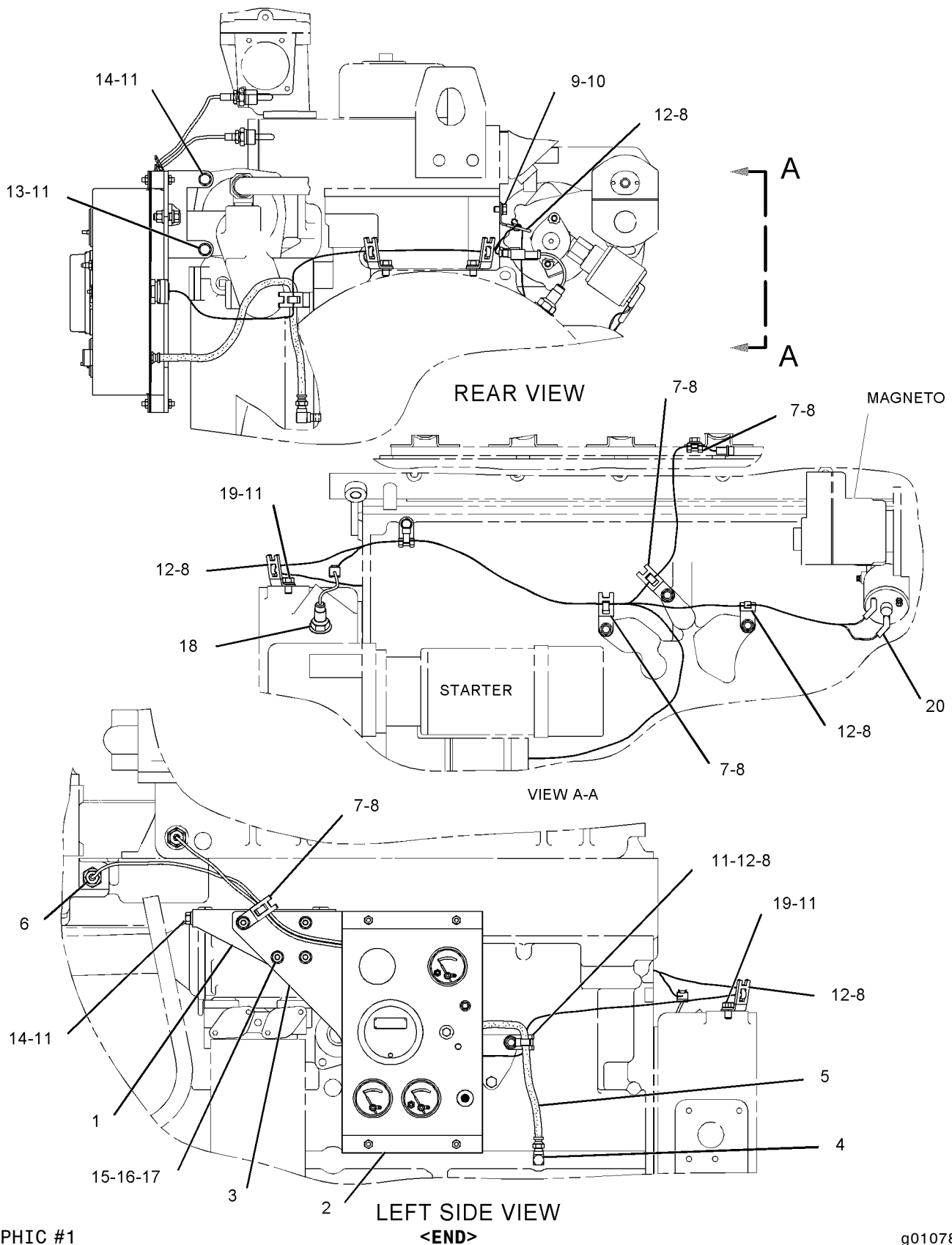
I - REFER TO HYDRAULIC INFORMATION SYSTEM

Y - SEPARATE ILLUSTRATION

OPERATOR STATION

119-7253 PANEL GP - INSTRUMENT (contd.)

i02115751



GRAPHIC #1

g01078258

OPERATOR STATION

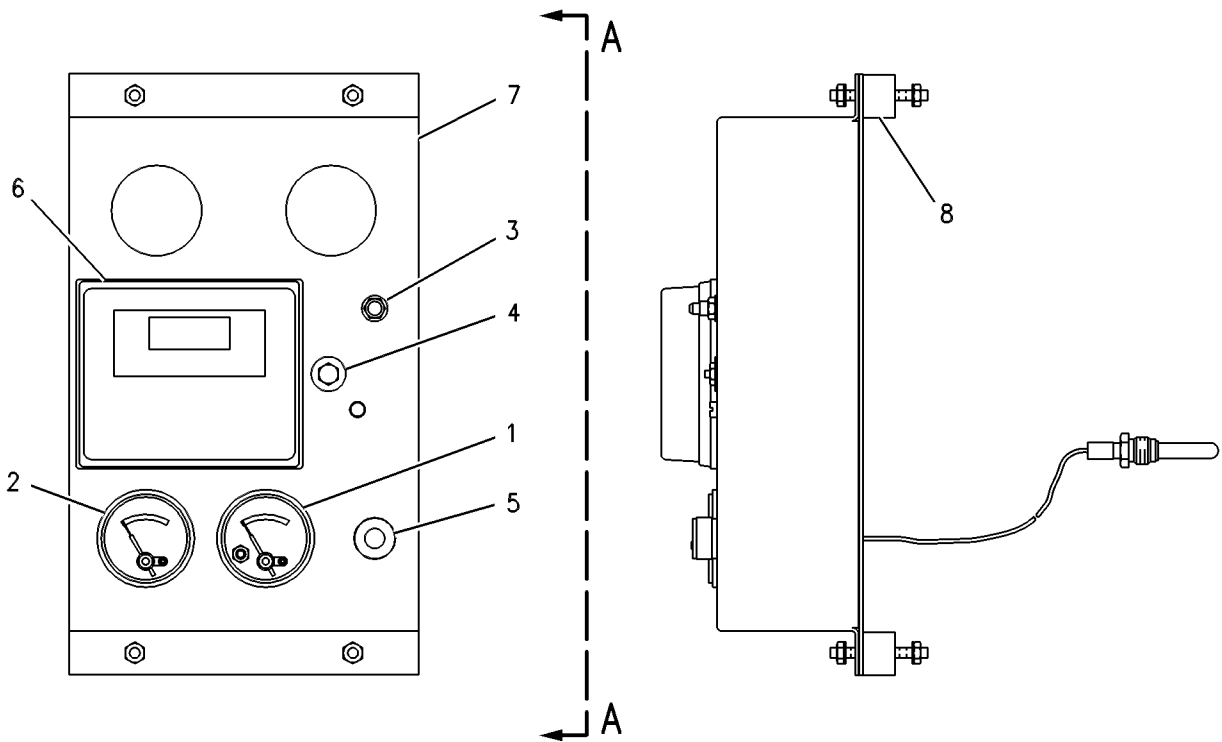
121-2551 PANEL GP - INSTRUMENT

PART OF 125-0959, 125-1005 WIRING GP-INSTRUMENT PANEL
AN ATTACHMENT

SMCS-7451

i03025024

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-2780	1	GAUGE-OIL PRESSURE (ENGINE)						
	2	1	3N-2781	1	GAUGE-WATER TEMPERATURE						
	3	1	125-0846	1	SWITCH-PUSH BUTTON (EMERGENCY STOP)						
	4	1	8L-5849	1	SWITCH-MAGNETIC (TACHOMETER)						
	5	1	8L-5000	1	SWITCH-PUSH (START)						
	6	1	119-7248	1	TACHOMETER						
	7	1	125-0845	1	BOX						
	8	1	125-0847	4	MOUNT-FLEXIBLE						



VIEW A-A

GRAPHIC #1

<END>

g00256581

OPERATOR STATION

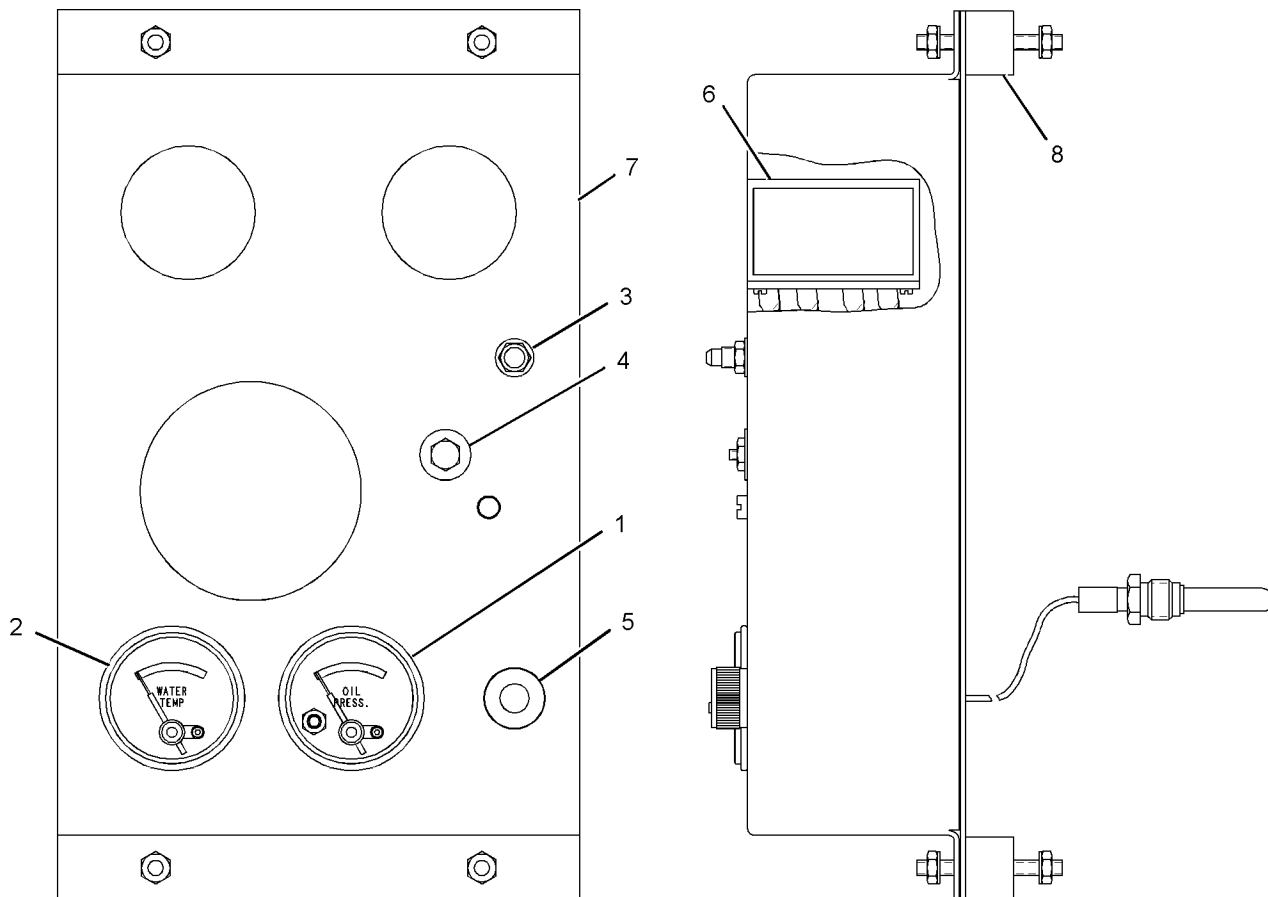
245-8844 PANEL GP - INSTRUMENT

PART OF 125-0959, 125-1005 WIRING GP-INSTRUMENT PANEL
AN ATTACHMENT

SMCS-7451

i03025025

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3N-2780	1	GAUGE-OIL PRESSURE (ENGINE)						
		1	4B-2049	2	NUT (10-32-THD)						
		1	8F-1434	2	LOCKWASHER						
	2	1	3N-2781	1	GAUGE-WATER TEMPERATURE						
	3	1	125-0846	1	SWITCH-PUSH BUTTON (EMERGENCY STOP)						
	4	1	245-8965	1	SWITCH-MAGNETIC (TACHOMETER)						
	5	1	246-6566	1	SWITCH AS-PUSH BUTTON (START)						
	6	1	245-8847	1	CONVERTER AS-SIGNAL						
	7	1	245-8966	1	BOX						
	8	1	125-0847	4	MOUNT-FLEXIBLE						



GRAPHIC #1

<END>

g01076064

OPERATOR STATION

103-8975 SEAL GP - ENCLOSURE

CONTROL PANEL EMCPII
PART OF 103-4773 PANEL AR-CONTROL
AN ATTACHMENT

SMCS-7451

i02464493

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	7C-2954	2	GASKET-MODULE (ALARM, SYNCHRONIZING)						
	103-6272	1	SEAL (CONTROL)						
	7C-4550	2	SEAL (ROTATING SHAFT)						
	7C-4910	1	SEAL (WASHER)						
	7C-5075	2	STRIP-DUST SEAL (HORIZONTAL)						
	7C-5076	2	STRIP-DUST SEAL (VERTICAL)						
	5L-5180	3	WASHER (0.49X0.875X0.05-IN THK)						
	5L-5840	2	WASHER (9.25X16.92X1.83-MM THK)						
<END>									

OPERATOR STATION

7E-3157 TACHOMETER GP-ELECTRIC

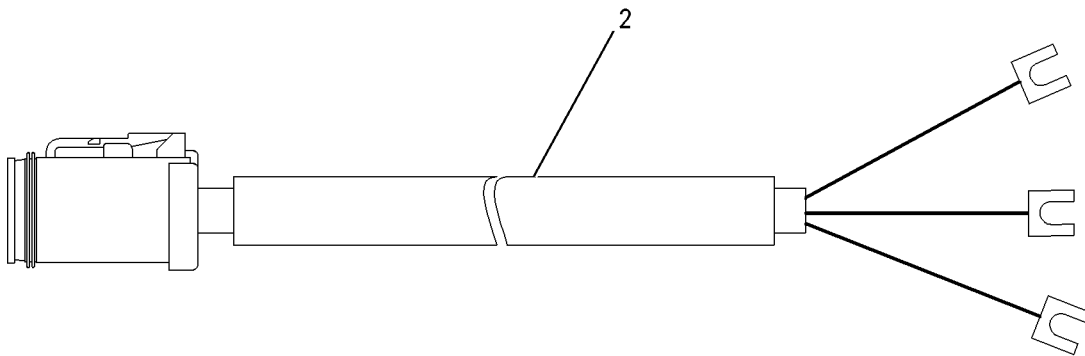
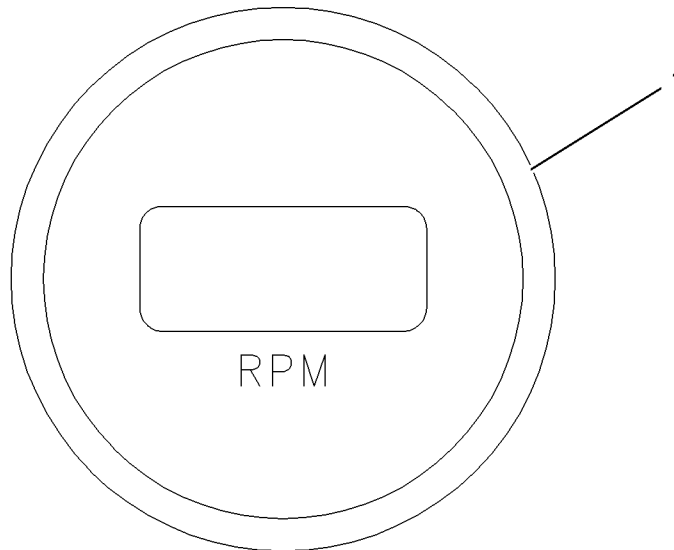
156 TOOTH PICKUP, ADJUSTABLE
AN ATTACHMENT

SMCS-7462

i02772865

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	197-7348	1	TACHOMETER GP						
		1	6V-8377	2	NUT (8-32-THD)						
		1	9B-7233	2	LOCKWASHER						
B	2	1	206-2568	1	HARNESS AS-SENSOR (TACHOMETER)						
		1	155-2274	1	KIT-CONNECTING PLUG (6-PIN) (TACHOMETER HARNESS)						
(INCLUDES PLUG ASSEMBLY & WEDGE)											

B-USE AS REQUIRED



GRAPHIC #1

<END>

g00810560

OPERATOR STATION

105 - 1457 VOLTMETER GP

24 - VOLT . ALTERNATOR

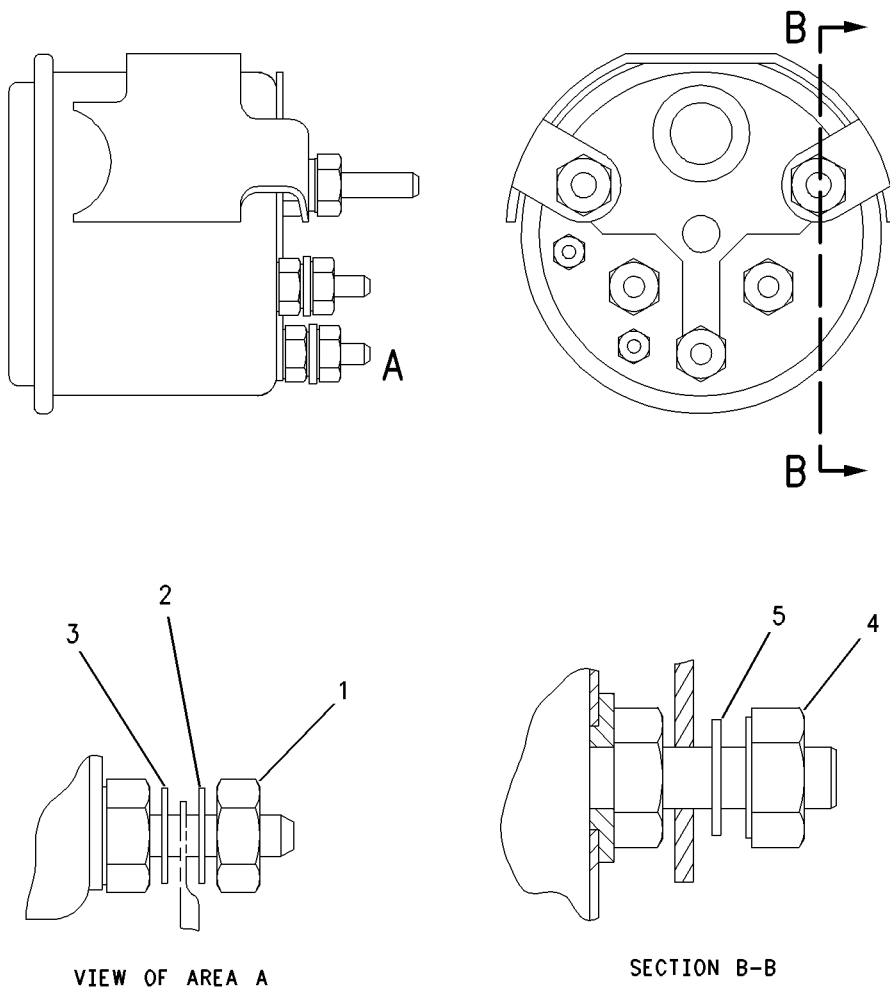
PART OF 4P - 4898 PANEL AR - CONTROL

AN ATTACHMENT

SMCS - 7468, 7469

i01393797

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V - 8368	2	NUT (6 - 32 - THD)						
	2	1	4B - 5324	2	WASHER (3.9X9.6X1.2-MM THK)						
	3	1	3L - 8187	2	LOCKWASHER						
	4	1	4B - 2043	2	NUT (8 - 32 - THD)						
	5	1	9B - 7233	2	LOCKWASHER						



GRAPHIC #1

<END>

g00734608

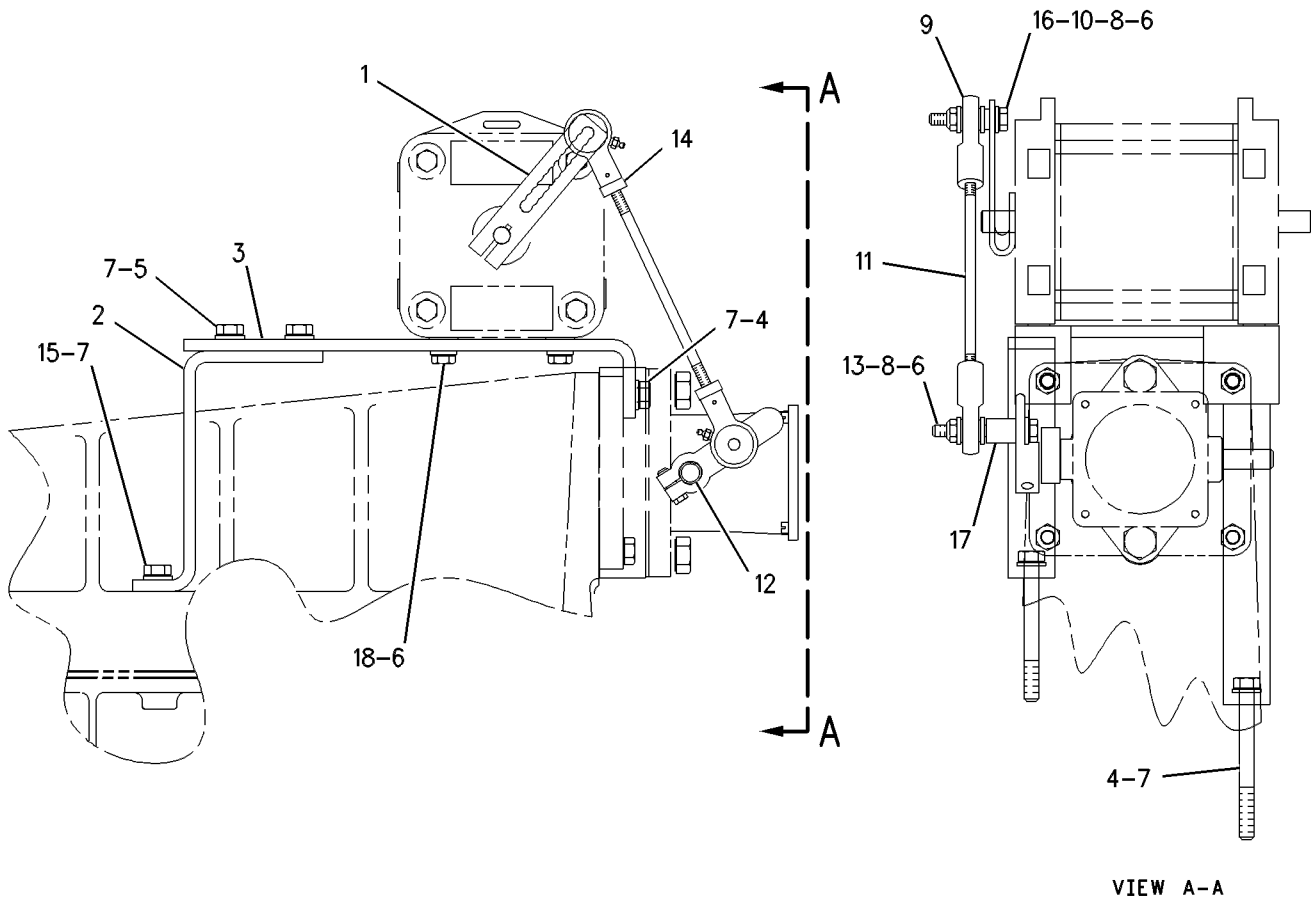
MARINE TRANSMISSION

170-1812 MOUNTING GP-ACTUATOR AN ATTACHMENT

SMCS-3308

i01175939

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	170-1814	1	LEVER AS						
	2	1	170-1815	1	BRACKET						
	3	1	170-1816	1	BRACKET AS						
	4	1	1H-5514	3	BOLT (5/16-18X1.625-IN)						
	5	1	2H-3755	2	BOLT (5/16-18X0.43-IN)						
	6	1	5P-0537	10	WASHER-HARD (7.2X14.5X2-MM THK)						
	7	1	9M-1974	6	WASHER-HARD (8.8X16X2-MM THK)						
	8	1	2D-6235	2	LOCKNUT (1/4-20-THD)						
	9	1	7L-4186	2	ROD END						
	10	1	9F-7022	1	BOLT (1/4-20X1.5-IN)						
	11	1	9L-0383	1	ROD-CONTROL						
	12	1	5H-1351	1	PIN-SPRING						
	13	1	8B-2377	1	BOLT (1/4-20X2-IN)						
	14	1	1A-8285	2	NUT-JAM (5/16-24-THD)						
	15	1	1D-4540	1	BOLT (5/16-18X2.75-IN)						
	16	1	4D-3088	1	WASHER (0.266X0.438X0.19-IN THK)						
	17	1	061-8005	1	PIPE						
	18	1	0S-1615	4	BOLT (1/4-20X0.75-IN)						



GRAPHIC #1

<END>

g00645265

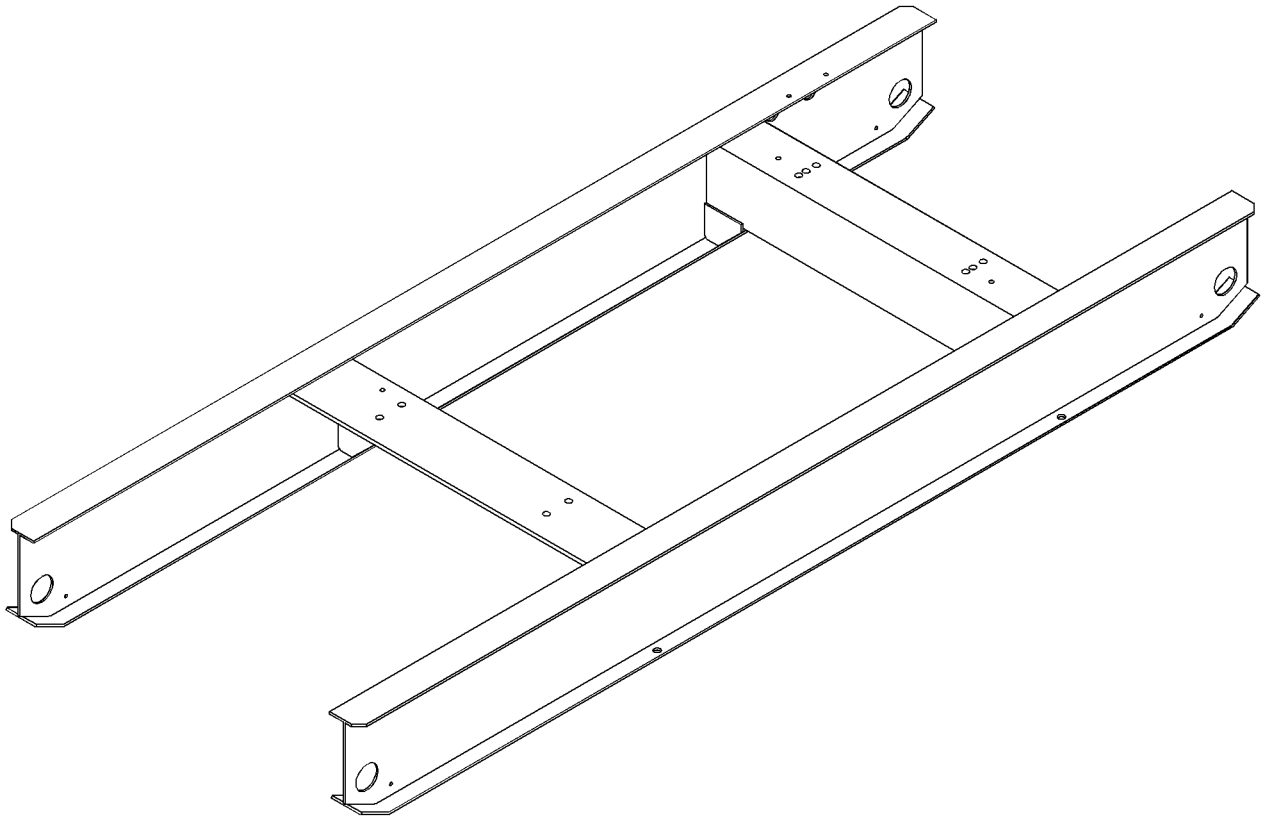
ENCLOSURES, GUARDS AND BASES

279-6644 BASE AS-ENGINE PART OF 7W-4901 RAIL GP-ENGINE SUPPORT AN ATTACHMENT

SMCS-7060

i02476229

NOTE	REF	GRAPHIC	PART NUMBER	QTY	PART NAME							SEE PAGE
	NO	REF			1	2	3	4	5	6 (PRODUCT LEVEL)		
	(NO SERVICED PARTS)											



GRAPHIC #1

<END>

g01279215

ENCLOSURES, GUARDS AND BASES

160-9800 PAD - ISOLATOR

FLEXIBLE ENGINE MOUNTING PAD

AN ATTACHMENT

SMCS-1021, 7002

i01040923

PART NAME

SEE

NOTE

PART NUMBER

QTY

1 2 3 4 5 6 (PRODUCT LEVEL)

PAGE

(NO SERVICED PARTS)

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ENCLOSURES, GUARDS AND BASES

7W-4901 RAIL GP-ENGINE SUPPORT

AN ATTACHMENT

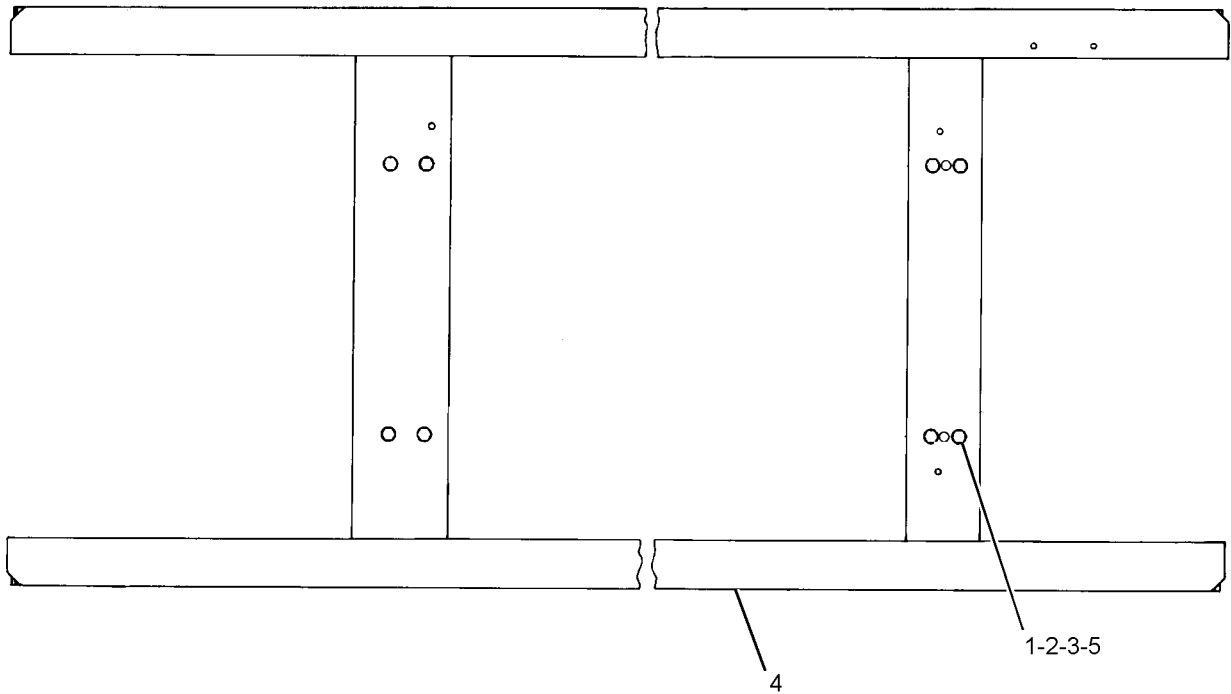
SMCS-7060

i02476781

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	202-9008	8	BOLT (5/8-11X2-IN)						
	2	1	8T-4122	16	WASHER-HARD (17X32X3.5-MM THK)						
	3	1	7X-0448	8	NUT (5/8-11-THD)						
Y	4	1	279-6644	1	BASE AS-ENGINE						459
B	5	1	2H-5972	8	SHIM (0.034-IN THK)						

B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01257598

SERVICE EQUIPMENT AND SUPPLIES

6L - 4502 CHART - PLATE & FILM

SMCS - 7557

i01790337

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	7E-8070	1	FILM (INFO)						
			INSTALL ON LH SIDE OF CYLINDER HEAD NEAR FRONT BELOW 4 BOLT COVER						
	7E-2681	1	PLATE-IDENTIFICATION (CATERPILLAR)						
			INSTALL ON TOP OF VALVE COVER TOWARDS REAR OF ENGINE						
	159-8314	1	PLATE-INFORMATION (GAS ENGINE)						
			INSTALL WITH LOCTITE ADHESIVE ON TOP OF FLYWHEEL HOUSING						
	3N-3790	1	PLATE-SERIAL NUMBER (ENGINE)						
			INSTALL ON CAST PAD ON UPPER LH SIDE						
	4B-4158	2	SCREW-DRIVE (3/16X0.25-IN)						
			INSTALL ENGINE SERIAL NUMBER PLATE						
	8L-8413	1	STRAP-CABLE						
			INSTALL PRESTART TAG						
	3N-3469	1	TAG-INSTRUCTION (ENGINE PRESTART)						
			INSTALL ON RH OF LH SIDE ENGINE IN A VISIBLE LOCATION						
			DO NOT INSTALL ON FRONT OR REAR OF ENGINE OR COMPONENT						
			<END>						

246 - 3256 KIT - PARTS - TACHOMETER AN ATTACHMENT

SMCS - 1000

i02060246

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	245-8847	1	CONVERTER AS-SIGNAL						
	149-7208	1	TACHOMETER AS						
	246-3257	1	HARNESS AS-WIRING (TACHOMETER)						
	3E-3364	1	RECEPTACLE (2-PIN)						
	102-8802	1	KIT-RECEPTACLE (2-PIN)						
			(INCLUDES RECEPTACLE AS AND WEDGE)						
	3E-3365	1	WEDGE-RECEPTACLE LOCK (2-PIN)						
	245-8845	1	SENSOR GP-SPEED (ENGINE)						
	245-8965	1	SWITCH-MAGNETIC (TACHOMETER)						
<END>									

SERVICE EQUIPMENT AND SUPPLIES

170-0568 KIT-WATER PUMP REBUILD

AN ATTACHMENT

SMCS-1361

i01792858

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	1B-3867	1	BALL BEARING						
	6H-3957	1	BALL BEARING						
	0S-1594	1	BOLT (3/8-16X1-IN)						
	5P-0076	1	BOLT-12 POINT HEAD (3/8-16X1.5-IN)						
	4N-5834	1	FILTER-BREATHER (WATER PUMP HOUSING)						
	1K-6985	1	RING-RETAINING						
	131-3815	1	SEAL GP						
	154-4482	1	SEAL-LIP TYPE						
	156-7088	1	SHAFT-WATER PUMP						
	5M-2894	1	WASHER-HARD (10.2X18.5X2.5-MM THK)						
	9X-6458	1	WASHER-HARD (10.2X22.5X3-MM THK)						
<END>									

170-0569 KIT-WATER PUMP REBUILD

AN ATTACHMENT

SMCS-1361

i01792859

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	1B-3867	1	BALL BEARING						
	6H-3957	1	BALL BEARING						
	0S-1594	1	BOLT (3/8-16X1-IN)						
	6K-3771	1	BOLT-12 POINT HEAD (7/16-14X1.5-IN)						
	4N-5834	1	FILTER-BREATHER (WATER PUMP HOUSING)						
	1K-6985	1	RING-RETAINING						
	169-1750	1	SEAL GP						
	154-4482	1	SEAL-LIP TYPE						
	172-5185	1	SHAFT-WATER PUMP						
	9X-6458	1	WASHER-HARD (10.2X22.5X3-MM THK)						
<END>									

MEMORANDA

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