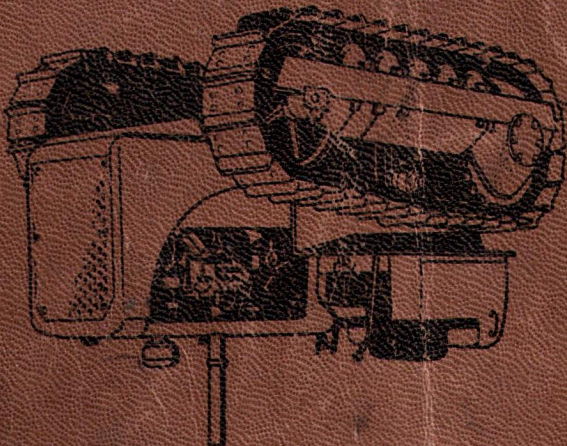


Caterpillar Tractor Co. General Offices, Peoria, Illinois • Caterpillar Americas Co., Peoria, Illinois
• Caterpillar Overseas S.A. Geneva • Caterpillar of Australia Ltd., Melbourne • Caterpillar, Bronx
S.A., Sao Paulo • Caterpillar Tractor Co., Ltd. Glasgow • Caterpillar of Canada Ltd., Toronto •
Caterpillar France S.A., Grenoble • Caterpillar (Africa) Pty. Ltd., Johannesburg • Caterpillar, Weymouth
S.A. de C.V., Monterrey • Caterpillar Mitsubishi Ltd., Tokyo • Tractor Engineers Ltd., Bombay

78A1-UP
SERIAL NUMBERS



CATERPILLAR
D4 TRACTOR

PARTS
BOOK

FORM UE35100

Roy Handwick

D4 TRACTOR

HOW TO ORDER PARTS

Please be sure to furnish the quantity, part number and name of each part wanted. It is also important to give the serial number of the machine for which the parts are intended. Location of serial number plates may be determined by referring to the "Specifications" page of this parts catalog. It is suggested that you write the serial number of your machine in this space so that it will be readily available when you need it.

<p>THIS PARTS BOOK FOR MACHINE SERIAL NUMBER</p> <p>78A <i>6228</i>.....</p>
--

To insure prompt delivery, please don't overlook furnishing the correct name of the consignee, also the street address, town, county and state to which the parts are to be shipped, and indicate whether shipment is to be made by freight, express, parcel post or by other means.

WHERE TO ORDER PARTS

Caterpillar dealers maintain over 400 stores in the United States, and similar establishments are located strategically in nearly all countries throughout the world. These organizations are backed by the extensive facilities and resources of Caterpillar Tractor Co.

Dealer personnel are factory trained in the stocking and issuing of parts, and large stocks are constantly maintained to insure prompt service. Contact your nearest Caterpillar dealer to make sure that he has your name and address, the correct serial number of your machine, and an accurate list of accessories and attachments. This record will facilitate the issuance of parts when you need them in a hurry.

WHAT THE CATERPILLAR DEALER CAN DO FOR YOU

Caterpillar dealers are in the business of making it economical and profitable for you to own and operate Caterpillar machinery. They are in constant touch with the factory for new developments in repair and maintenance methods, operating procedures, and parts requirements. Their parts stocks are active and up-to-date, including all parts normally required to protect your investment in Caterpillar machinery.

Nearly all Caterpillar dealers offer 24-hour emergency service. For quick reference, write the name and address of the local dealer on your desk pad or the front of your phone book.

ONLY CATERPILLAR PARTS GIVE CATERPILLAR PERFORMANCE

The same quality and craftsmanship that has made Caterpillar products famous throughout the world is built into all Caterpillar replacement parts.

FRANÇAIS

COMMENT ÉTABLIR UNE COMMANDE DE PIÈCES DE RECHANGE. Il est nécessaire d'indiquer dans la commande pour chaque pièce, la quantité désirée, le numéro de la pièce et sa désignation; il est également important de donner le numéro de série de la machine à laquelle les pièces sont destinées. L'emplacement, sur la machine, de la plaque portant le numéro de série est décrit à la page "Caractéristiques" ("Spécifications") de ce catalogue. Nous recommandons d'inscrire le numéro de série de la machine dans la case réservée à cet effet en page 1 de ce catalogue afin de faciliter la préparation des commandes.

Pour accélérer la livraison, ne manquez pas de préciser le nom et l'adresse complète du destinataire et d'indiquer le mode d'expédition (par chemin de fer, par route, par voie maritime ou aérienne, par colis postal, etc.).

OÙ COMMANDER LES PIÈCES DE RECHANGE. Le réseau des concessionnaires Caterpillar couvre la plupart des pays du monde; leurs installations sont situées de façon à servir au mieux la clientèle. De plus, les concessionnaires bénéficient de l'appui et des ressources considérables de Caterpillar Tractor Co. et de ses filiales.

Le personnel du concessionnaire est formé par l'usine. Sa formation couvre l'exécution des commandes et la gestion des stocks. Ceux-ci sont maintenus à un niveau important pour assurer l'exécution rapide des commandes. Ne manquez pas de communiquer les renseignements suivants au concessionnaire Caterpillar le plus proche de votre entreprise: le numéro de série de votre machine et une liste complète de ses équipements et accessoires, ainsi que votre nom et votre adresse. Ces renseignements faciliteront la livraison rapide des pièces quand vous en aurez besoin d'urgence.

CE QUE LE CONCESSIONNAIRE CATERPILLAR PEUT FAIRE POUR VOUS. Le rôle des concessionnaires Caterpillar est de contribuer à la rentabilité et à l'économie d'emploi de votre matériel Caterpillar. Constamment en rapport avec les usines, ils sont tenus au courant des méthodes de réparation et d'entretien les plus récentes, ainsi que des procédures de gestion et des pièces requises pour les différentes réparations ou modifications. Leur stock de pièces fréquemment renouvelé et bien à jour, comprend toutes les pièces d'usage courant pour la protection de votre investissement en matériel Caterpillar. Les services d'urgence de la plupart des concessionnaires Caterpillar fonctionnent jour et nuit. Pour éviter toutes pertes de temps et recherches inutiles, notez le nom et l'adresse du concessionnaire Caterpillar dans votre agenda ou dans un carnet de numéros de téléphone utiles.

SEULES LES PIÈCES D'ORIGINE CATERPILLAR VOUS DONNENT LA QUALITÉ CATERPILLAR. Toutes les pièces de rechange Caterpillar possèdent la qualité de matière et de fabrication qui a fait le succès mondial du matériel Caterpillar.

ITALIANO

MODO DI ORDINARE LE PARTI DI RICAMBIO. Vi preghiamo di indicare con precisione: quantità, numero di parte e denominazione di ogni parte richiesta. È altresì importante precisare il numero di serie della macchina sulla quale dovranno essere montate le parti. Le targhe del numero di serie delle macchine possono essere rintracciate consultando la pagina "Specificazioni" di questo catalogo di parti. Vi consigliamo di scrivere il numero di serie della vostra macchina nello spazio apposito, sulla prima pagina di questo catalogo, in modo da poter essere facilmente e rapidamente consultato, in qualsiasi circostanza.

Per assicurare la pronta consegna, vi preghiamo di non mancare di fornire il nome esatto del destinatario, precisando inoltre l'indirizzo, e cioè: via, città e provincia, dove le parti dovranno essere spedite; specificando se la spedizione deve essere effettuata per ferrovia, espresso, pacco postale, o qualsiasi altro mezzo.

DOVE ODINARE LE PARTI. I concessionari Caterpillar hanno organizzato depositi di parti di ricambio, convenientemente distribuiti in quasi tutti i paesi del mondo. Tutta l'organizzazione si avvale delle vaste risorse e mezzi della Caterpillar Tractor Co.

Il personale dei concessionari viene istruito dalla fabbrica nel mantenimento degli assortimenti e nella consegna delle parti. Inoltre, vasti depositi di parti, regolarmente riforniti, garantiscono la rapida consegna. Rivolgetevi al concessionario Caterpillar più vicino a voi, e assicuratevi che egli abbia il vostro nome e indirizzo, l'esatto numero di serie della vostra macchina ed una lista accurata dei vari accessori. Queste informazioni faciliteranno la pronta consegna delle parti nei casi di urgente necessità.

CIÒ CHE PUÒ FARE PER VOI IL CONCESSIONARIO CATERPILLAR. Lo scopo principale dei concessionari Caterpillar è di rendere vantaggioso ed economico per voi il possesso e l'impiego delle macchine Caterpillar. Essi sono in costante comunicazione con la fabbrica, e quindi al corrente di tutto ciò che riguarda miglioramenti nei sistemi di riparazione, di manutenzione e di impiego, nonché delle caratteristiche delle parti richieste. I loro assortimenti, efficienti e aggiornati, comprendono tutte le parti che sono normalmente richieste per salvaguardare il capitale da voi investito nelle macchine Caterpillar.

Quasi tutti i concessionari Caterpillar sono in grado di offrire servizi di emergenza di giorno e di notte. Per rapida consultazione, scrivete il nome e l'indirizzo del vostro concessionario locale sulla rubrica della vostra scrivania o nella testata del vostro elenco telefonico.

SOLTANTO LE PARTI CATERPILLAR GARANTISCONO IL RISULTATO TIPICO CATERPILLAR. Tutte le parti di ricambio Caterpillar sono costruite con le stesse qualità di materiali e accuratezza di lavorazione che hanno reso famosi in tutto il mondo i prodotti Caterpillar.

DEUTSCH

BESTELLUNGSANGABEN: Grundsätzlich ist bei jeder Bestellung die Ersatzteilnummer, die Ersatzteilbezeichnung und die Stückzahl anzugeben. Ausserdem muss unbedingt die Seriennummer der Maschine erscheinen, für welche die Teile bestellt werden. Die Lage des Seriennummerschildes an der Maschine ist aus der Seite: "Technische Daten" dieser Ersatzteilliste zu ersehen. Es empfiehlt sich deshalb, die Seriennummer Ihrer Maschine auf der Vorderseite dieser Ersatzteilliste in dem, hierfür vorgesehenen Raum, einzutragen.

Eine schnelle Auslieferung von Bestellungen kann nur dann erfolgen, wenn der Name und die Empfangsadresse des Bestellers mit Hausnummer, Strasse, Stadt, Kreis und Land oder Kanton vollständig angegeben ist. Ausserdem sollte auf der Bestellung die gewünschte Versandart, wie z.B.: Paketpost, Bahnfracht, Spedition usw. angegeben werden.

BESTELLUNGSaufgabe: In allen Ländern der freien Welt werden Original Caterpillar Teile durch Caterpillar Händler geliefert, deren Ersatzteillager leicht erreichbar zu Ihrer Verfügung stehen. Diese Caterpillar Händler stehen in direkter Verbindung mit dem Hauptwerk der Caterpillar Tractor Co., sowie deren Tochtergesellschaften und Ersatzteildepots.

Durch Werksschulung des Händlerpersonals in der Bearbeitung und Abfertigung von Ersatzteilbestellungen, sowie durch die dauernde Lagerhaltung grosser Ersatzteilbestände, wird Ihnen eine prompte Belieferung gewährleistet. Es empfiehlt sich, Ihrem Caterpillar Händler die genauen Seriennummern Ihrer Maschinen, sowie deren Anbaugeräte aufzugeben, damit er seinen Lagerbestand entsprechend abstimmen kann.

CATERPILLAR KUNDENDIENST: Die Hauptaufgabe Ihres Caterpillar Händlers besteht im Kundendienst und in der Betreuung von Caterpillar Maschinen. Durch den engen Kontakt mit dem Hauptwerk ist er bezüglich neuer Wartungs- und Reparaturmethoden, Einsatzmöglichkeiten und Ersatzteilneuheiten immer auf dem Laufenden. Sein Kundendienst ist bestens dazu geeignet, Ihre Kapitalanlage in Caterpillar Maschinen ertragreich zu gestalten.

Fast alle Caterpillar Händler unterhalten einen Nacht- und Feiertagsdienst für dringende Bedarfsfälle. Diese wichtige Rufnummer sollte deshalb unbedingt in Ihrem Telefon- oder Anschriftenverzeichnis an prominenter Stelle eingetragen sein.

NUR CATERPILLAR ORIGINALTEILE GEWÄHRLEISTEN DIE VOLLE LEISTUNGSKRAFT IHRER CATERPILLAR MASCHINEN!

Jedes Caterpillar Originalersatzteil ist ein Qualitätserzeugnis von der gleichen Güte, die Caterpillar Maschinen in aller Welt berühmt gemacht hat.

ESPAÑOL

COMO PEDIR PIEZAS DE REPUESTO. Es necesario indicar la cantidad, el número y el nombre de cada pieza que se desee. Es también importante dar el número de serie de la máquina para la cual se requieren las piezas. La ubicación de las placas con el número de serie puede determinarse consultando la página de "Especificaciones" en este Libro de Piezas. Se sugiere que anote usted el número de serie de su máquina en la página No. 1 de este libro, a fin de que pueda obtenerlo cuando lo necesite.

Para que el despacho se efectúe con prontitud, es necesario que se dé el nombre correcto del consignatario, así como la dirección, ciudad, estado (o provincia o departamento) y país donde deben enviarse las piezas. Asimismo, debe especificarse la forma de transporte, ya sea carga, expreso, paquete postal, u otra diferente.

DONDE PEDIR LAS PIEZAS. Los Distribuidores Caterpillar tienen establecimientos estratégicamente situados en todo el mundo. Estas organizaciones están respaldadas por las extensas facilidades y recursos de Caterpillar Tractor Co. y sus subsidiarias.

El personal de los distribuidores ha recibido adiestramiento en la fábrica sobre el almacenamiento y envío de piezas. Se mantienen, además, grandes existencias de repuestos para asegurar un servicio rápido. Póngase en contacto con el Distribuidor Caterpillar más cercano para asegurarse que tienen su nombre y su dirección, el número de serie correcto de su máquina y una lista exacta de piezas y accesorios. La exactitud de estos datos facilitará el envío de repuestos cuando usted los necesite con urgencia.

LO QUE EL DISTRIBUIDOR CATERPILLAR PUEDE HACER POR USTED. Los Distribuidores tienen como finalidad el hacer económicos y fructíferos para usted la posesión y uso de las máquinas CATERPILLAR. Ellos están en contacto continuo con la fábrica, a fin de enterarse de los últimos adelantos en los métodos de reparación y conservación, de los procedimientos de trabajo y los requerimientos de piezas. Sus existencias de piezas tienen gran movimiento y están siempre al día, especialmente todas aquellas que se requieren usualmente para proteger la inversión que Ud. hace en máquinas CATERPILLAR.

Casi todos los Distribuidores ofrecen servicio de emergencia 24 horas al día. Para referencia rápida, escriba el nombre y dirección del Distribuidor local en la carpeta de su escritorio, o en la cubierta de su guía telefónica.

SOLO LAS PIEZAS CATERPILLAR DAN RENDIMIENTO CATERPILLAR. Todas las piezas CATERPILLAR se fabrican según las normas de alta calidad y mano de obra que han hecho famosos los productos CATERPILLAR.

PORTUGUÊS

COMO FAZER OS PEDIDOS DE PEÇAS—Indique a quantidade, o número de referência e o nome das peças desejadas, sendo também importante dar o número de série da máquina a que elas se destinam. A situação das chapas com o número de série está descrita na página das especificações deste catálogo. Sugerimos que escreva o número de série da sua máquina no espaço reservado para este fim na primeira página deste catálogo, para tê-lo fácil quando precisar.

A fim de assegurar pronta entrega, dê o nome correto do consignatário, com endereço completo incluindo rua e número, cidade, estado ou província e país para onde as peças devem ser remetidas, indicando também se o despacho deve ser feito por via marítima, terrestre ou aérea, pelo correio simples ou expreso ou por outro meio de transporte.

PARA ONDE DIRIGIR OS PEDIDOS DE PEÇAS—Os revendedores Caterpillar mantêm estabelecimentos comerciais localizados estrategicamente em quase todos os países do mundo e que contam com as facilidades e recursos da Caterpillar Tractor Co., bem como das suas subsidiárias.

Eles dispõem de pessoal especialmente treinado na fábrica em serviços de peças e mantêm grandes estoques atualizados para servi-lo com presteza. Entre em contacto com o revendedor Caterpillar mais próximo e veja que ele tenha o seu nome e endereço, bem como o número de série correto da sua máquina e uma lista completa dos acessórios e equipamentos. Estas informações facilitarão a remessa de peças quando as precisar com urgência.

OS REVENDEDORES CATERPILLAR PODEM FAZER MUITO POR V.S.—Eles têm interesse em tornar econômico e lucrativo o uso das máquinas Caterpillar. Pelo contacto permanente com a fábrica, estão sempre ao par dos últimos métodos de reparo e manutenção, técnicas de manejo das máquinas e necessidade de peças sobressalentes. Seus estoques são ativos e atualizados, incluindo todas as peças normalmente necessárias para a proteção do investimento de V. S. no maquinário Caterpillar.

Quase todos os revendedores Caterpillar atendem serviços de emergência a qualquer hora do dia ou da noite. Para referência imediata, escreva o nome e o endereço do seu revendedor no livro de anotações da sua escrivania ou na primeira página da sua lista telefônica.

A QUALIDADE CATERPILLAR SO EXISTE NAS PEÇAS CATERPILLAR—Todas as peças sobressalentes Caterpillar são feitas com o mesmo esmero e qualidade que tornaram os produtos Caterpillar famosos no mundo inteiro.

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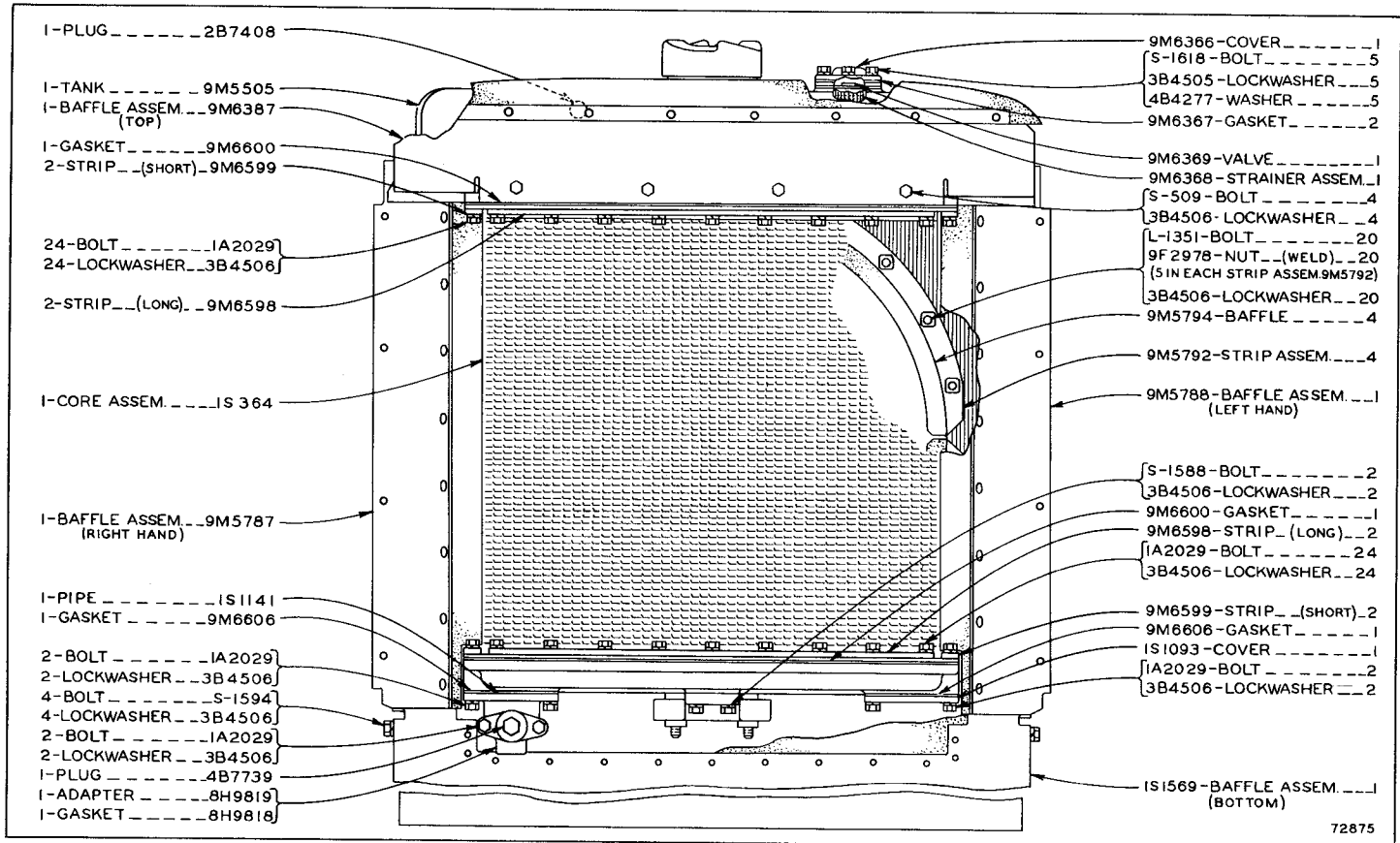
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72875

RADIATOR—Front View

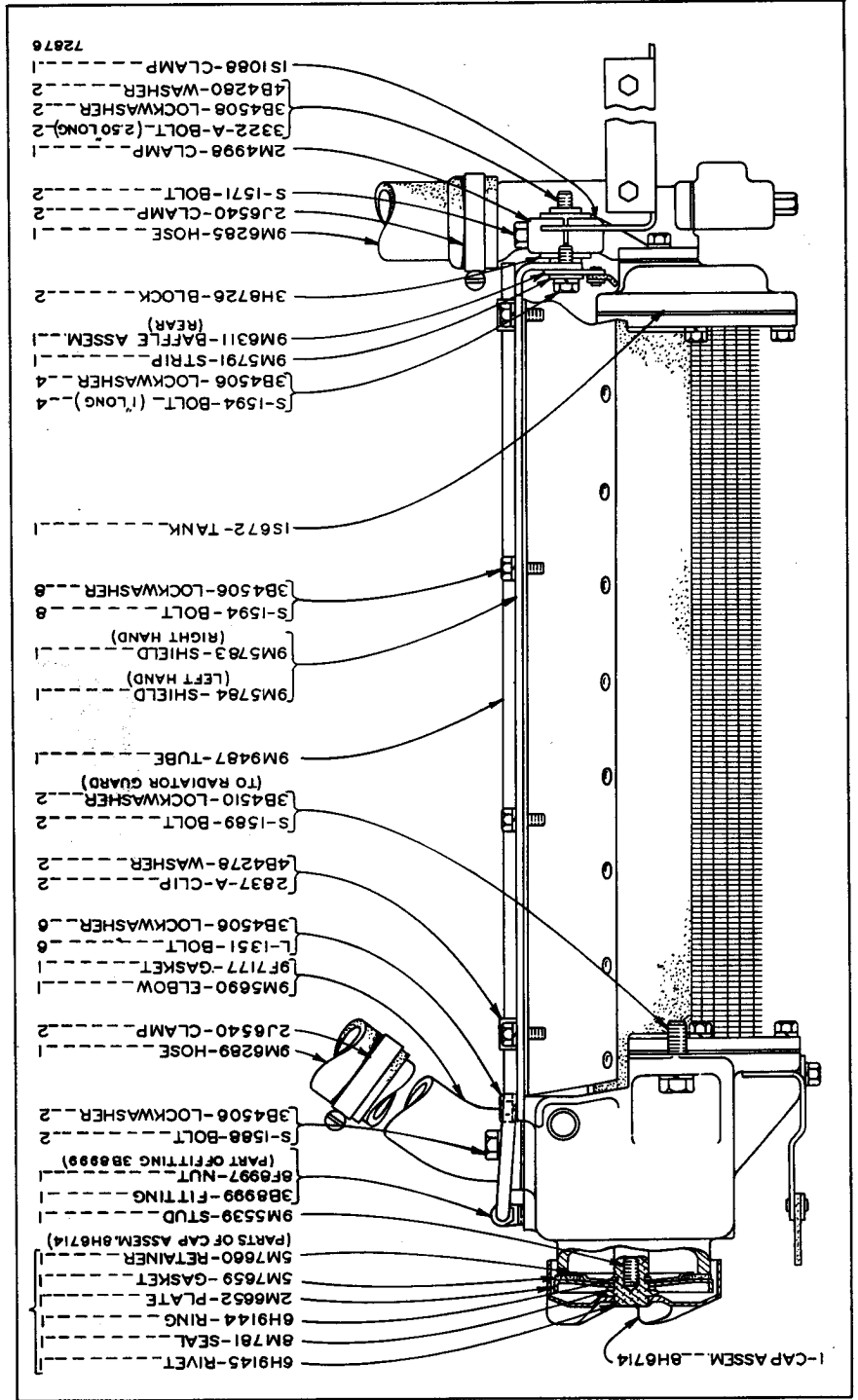
Serial No. 78A1 to 78A387 inclusive

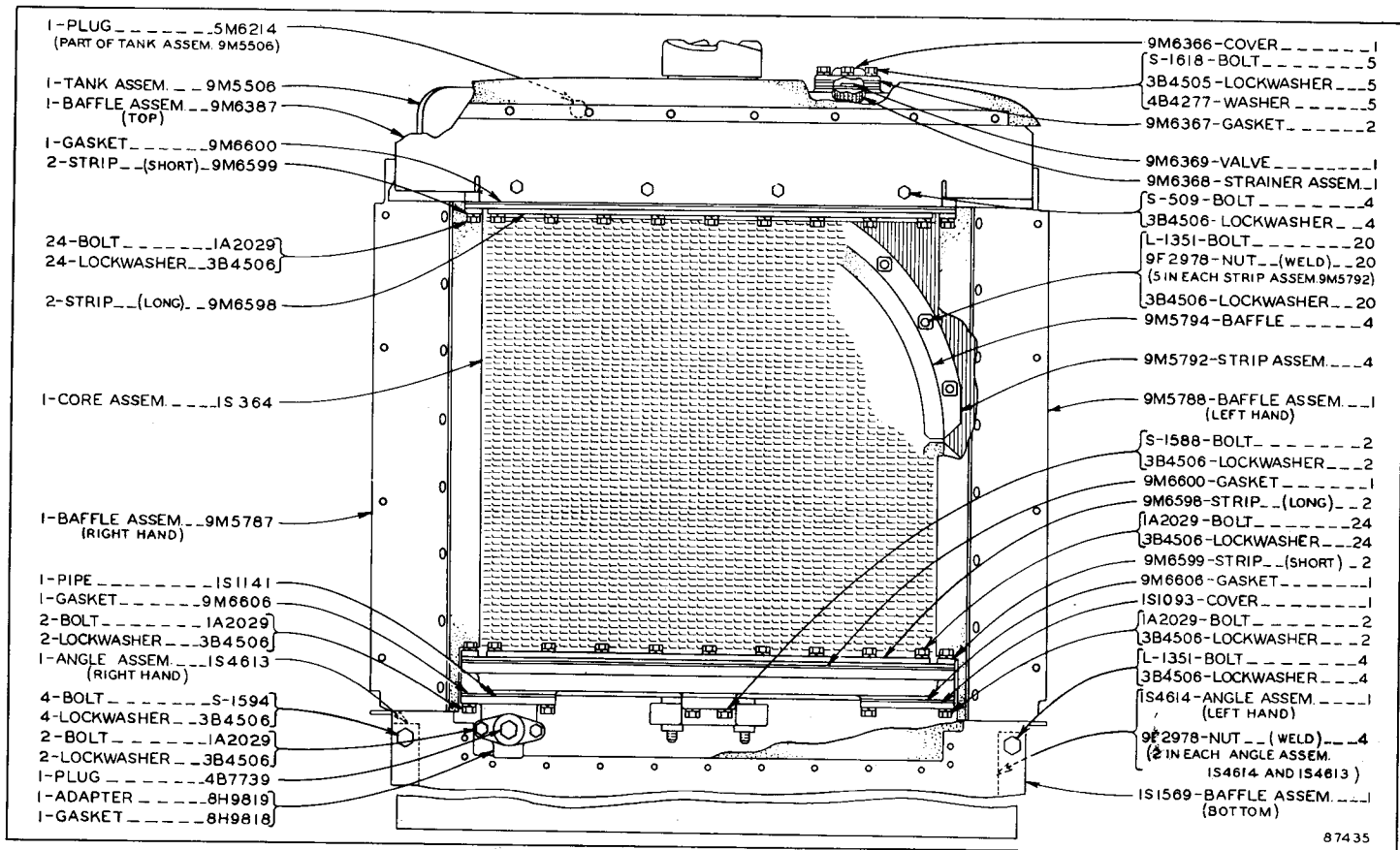
Note: 2S9755 Core Assembly, for use where severe plugging occurs, is available

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

Note: 6F6041 Rust Inhibitor is available
Serial No. 78A1 to 78A387 inclusive

RADIATOR—Side View



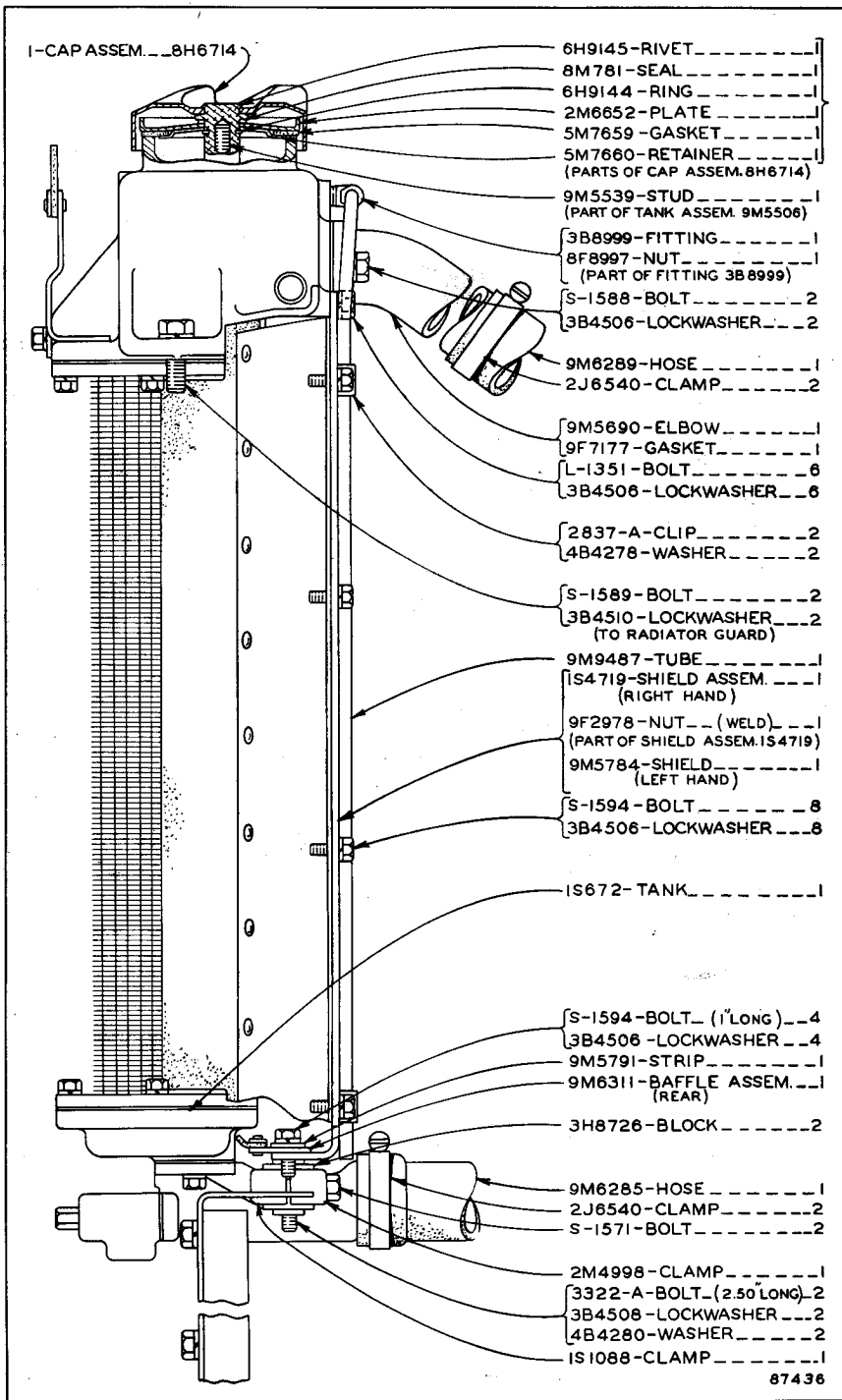


87435

RADIATOR—Front View

Serial No. 78A388 to 78A1264 inclusive

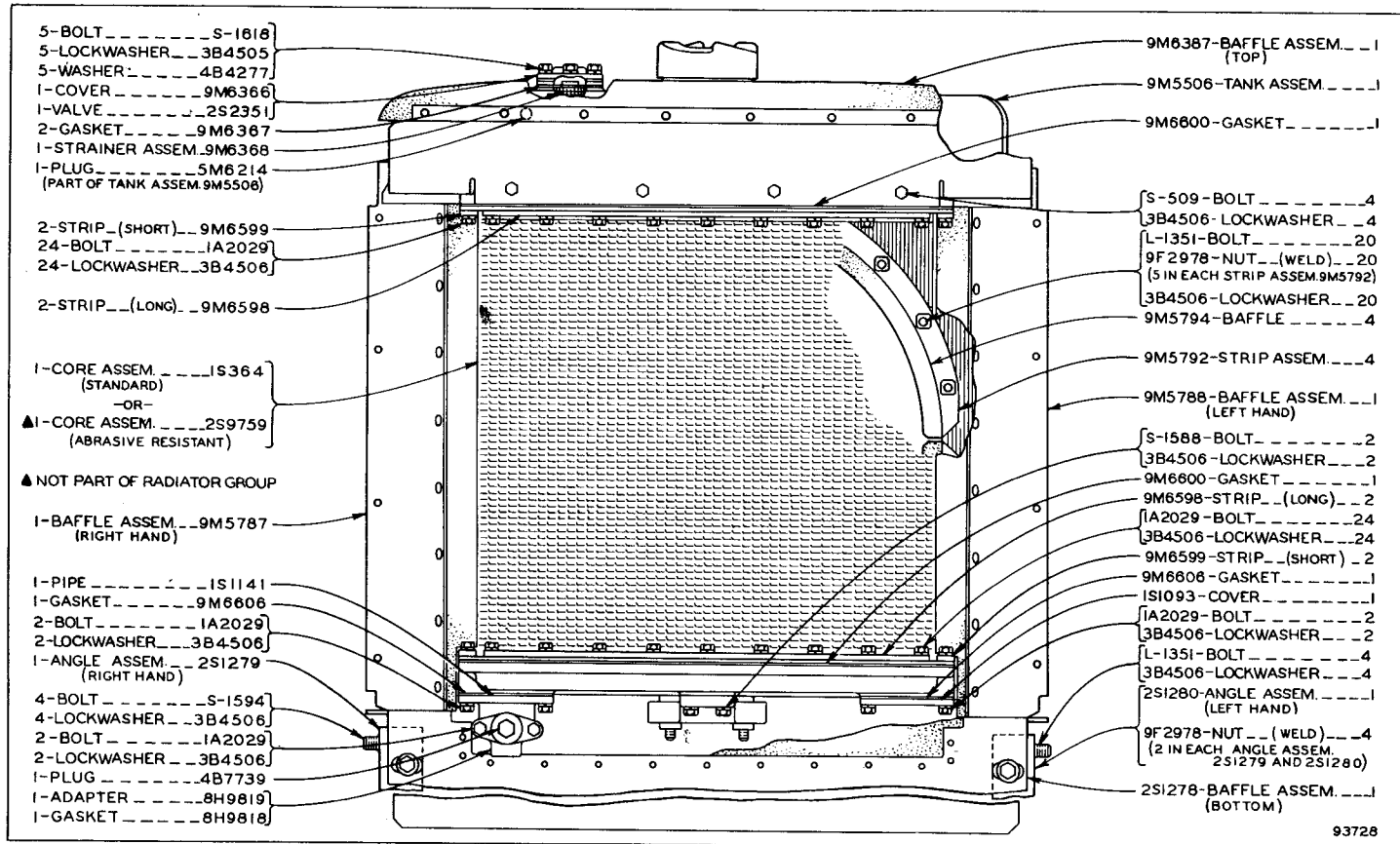
Note: 2S9755 Core Assembly, for use where severe plugging occurs, is available



RADIATOR—Side View

Serial No. 78A388 to 78A1264 inclusive
 Note: 6F6041 Rust Inhibitor is available

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



93728

RADIATOR—Front View

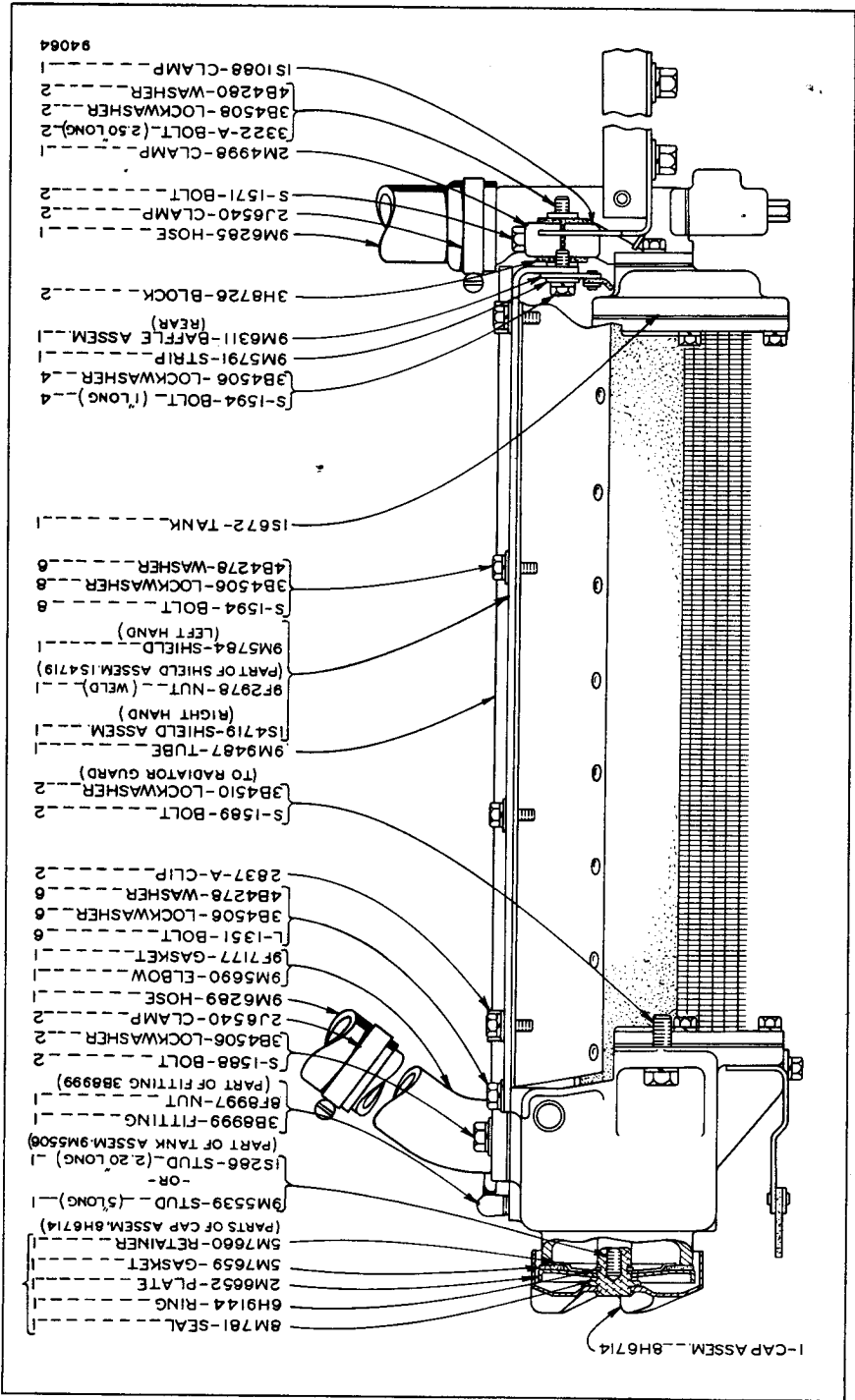
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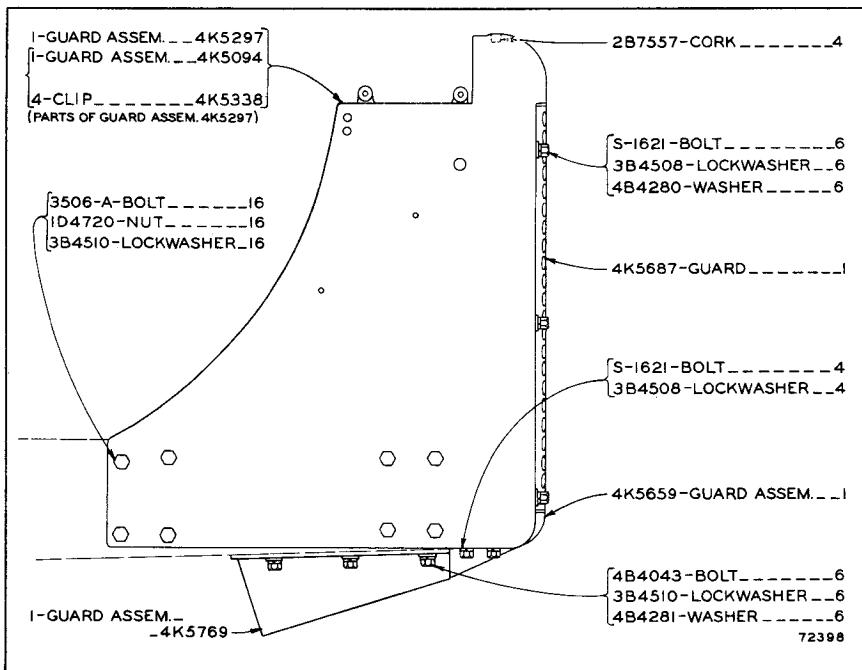
Note: 2S9755 Core Assembly, for use where severe plugging occurs, is available

Note: 6F6041 Rust Inhibitor is available

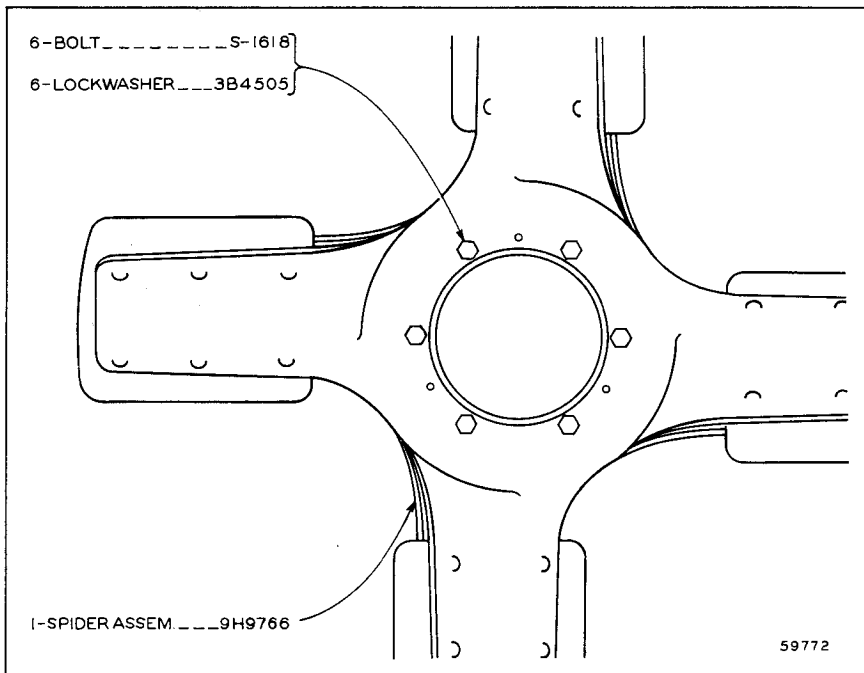
Effective with Serial No. 78A125

RADIATOR—Side View





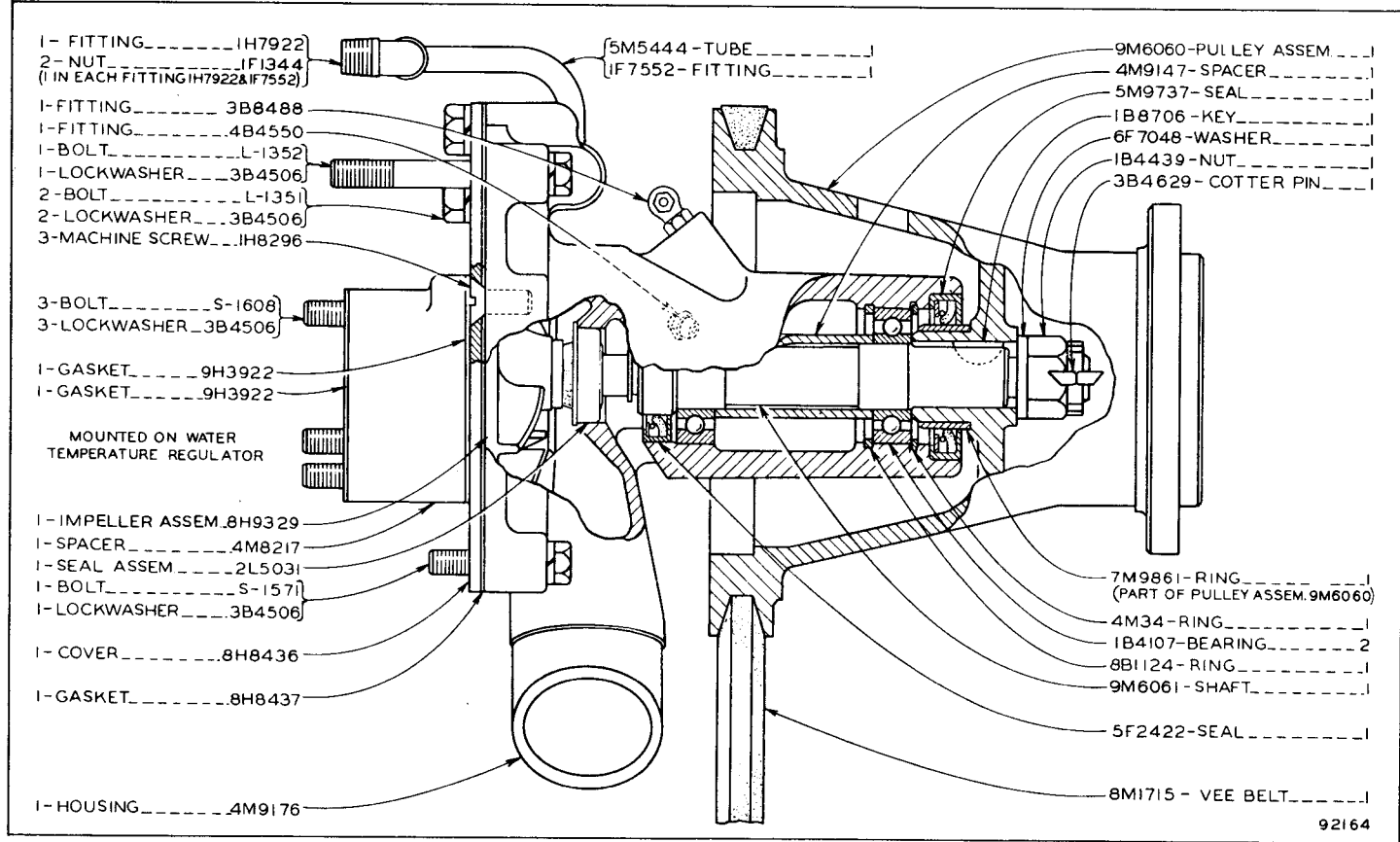
RADIATOR GUARD



SUCTION FAN

Refer also to Pages 79 and 80 for special parts

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



WATER PUMP

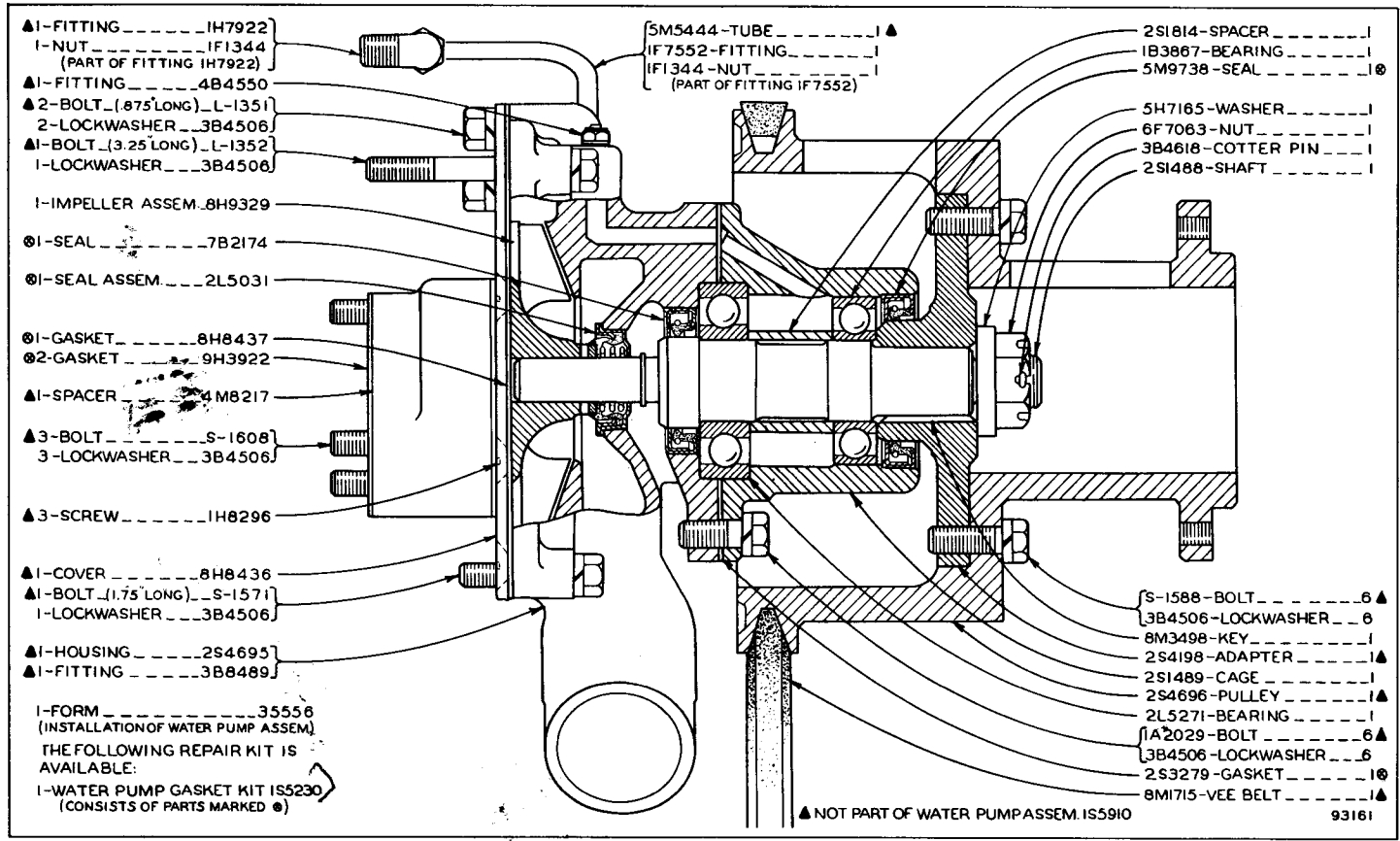
Serial No. 78A1 to 78A2754, 78A2756, 78A2757, 78A2760 to 78A2763, 78A2789, 78A2797 and 78A7805 inclusive
 See Page 28B for Gasket Kit

1-553351 *ll*

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

DIESEL ENGINE

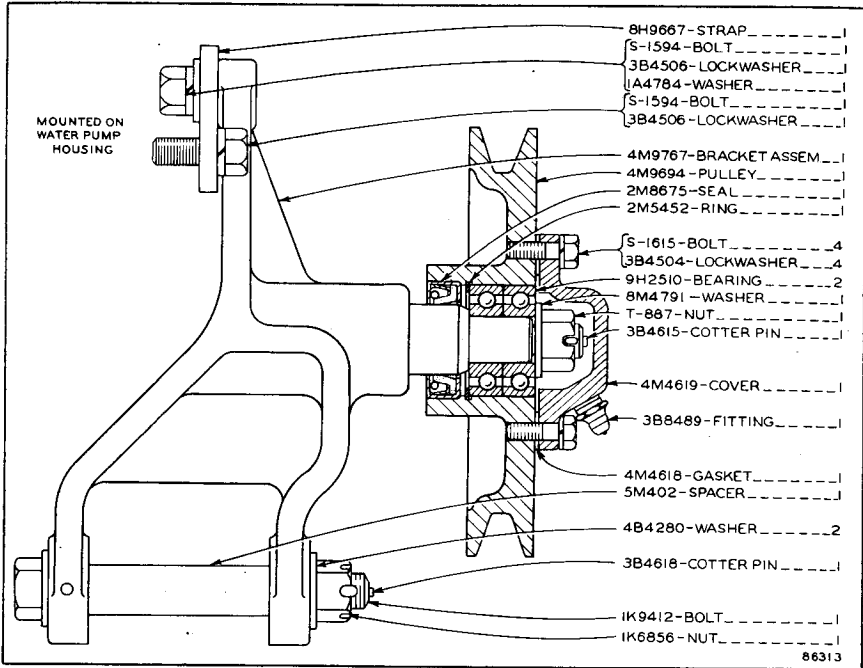
17



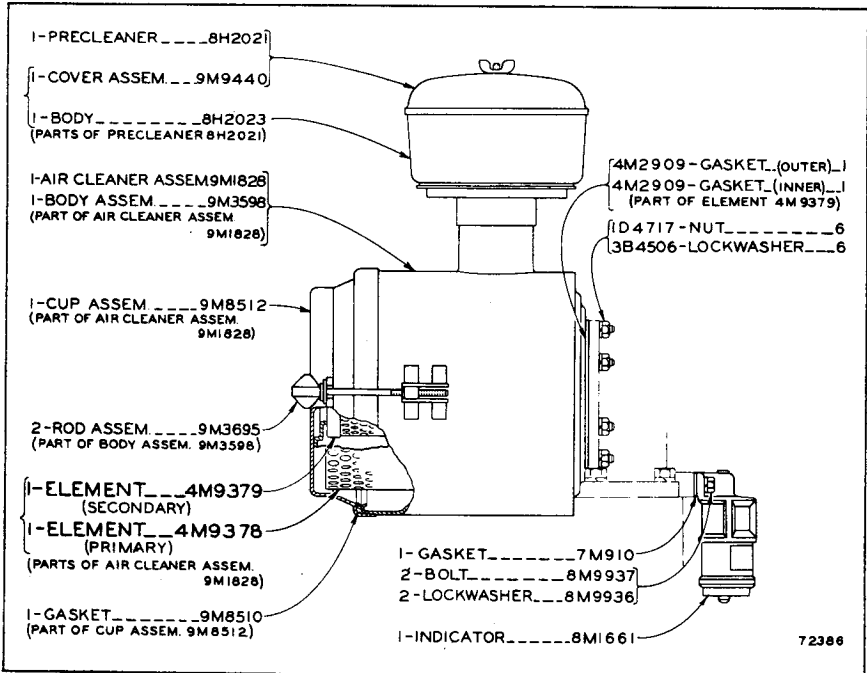
IS5910 WATER PUMP ASSEMBLY

Serial No. 78A2755, 78A2758, 78A2759, 78A2764 to 78A2788, 78A2790 to 78A2796, 78A2798 to 78A2804 and 78A2806—Up

See Page 28B for Gasket Kit



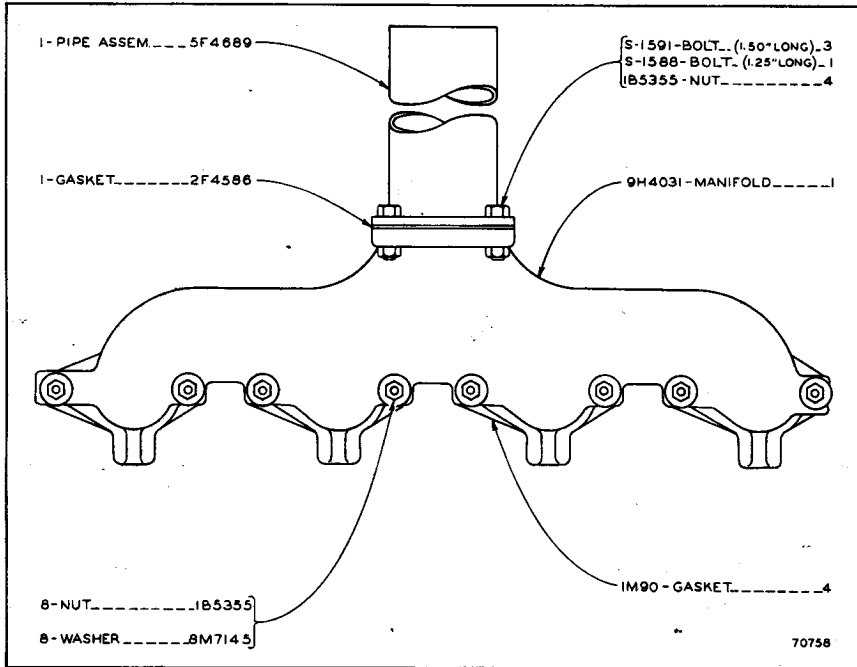
BELT TIGHTENER



AIR CLEANER

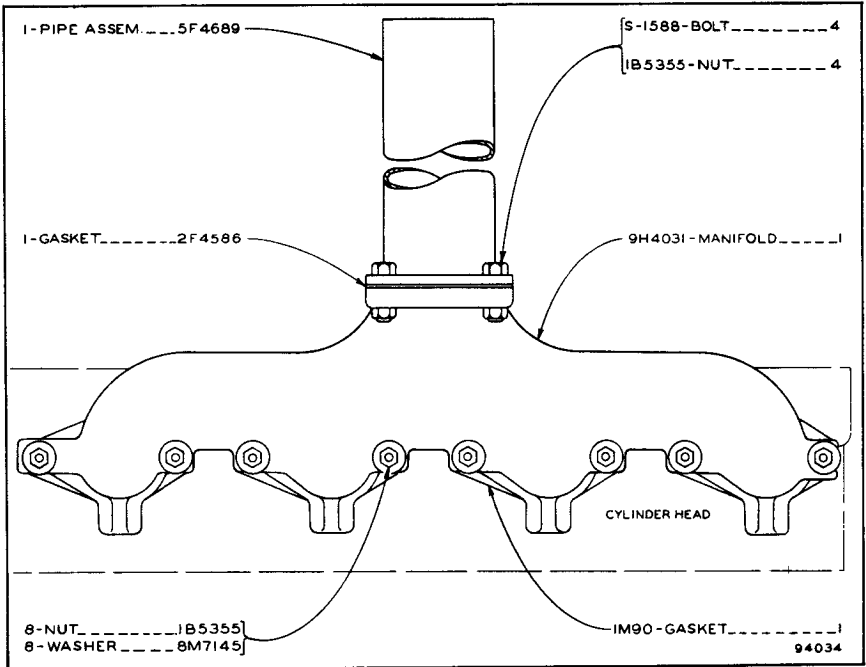
Refer also to Pages 84, 85, 86 and 95 for special parts

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



MANIFOLD

Serial No. 78A1 to 78A3368 inclusive
 Note: 9F9961 Rain Cap Group is available
 Refer also to Pages 85, 86 and 87 for special parts

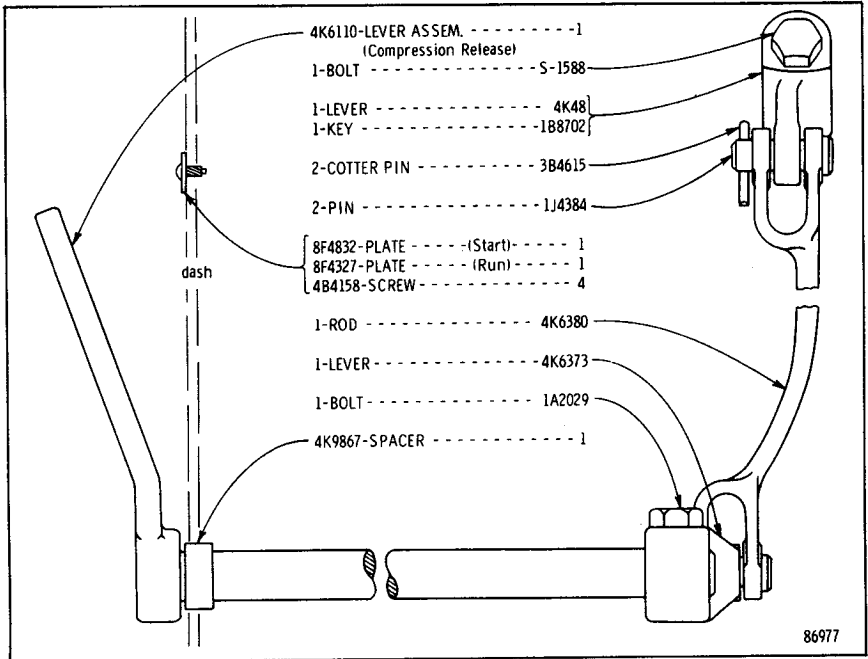


MANIFOLD

Effective with Serial No. 78A3369

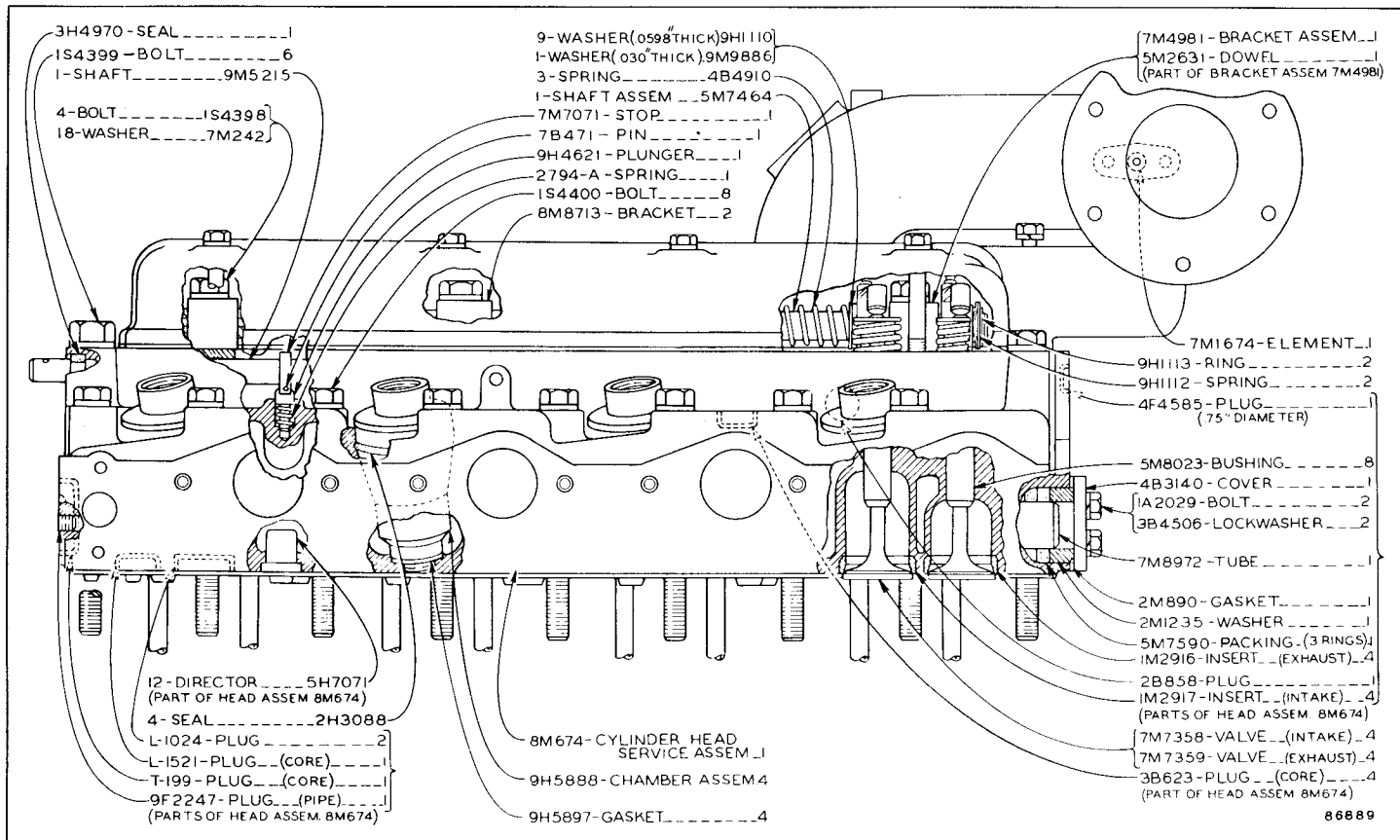
Note: 9F9961 Rain Cap Group is available

Refer also to Pages 85, 86 and 87 for special parts



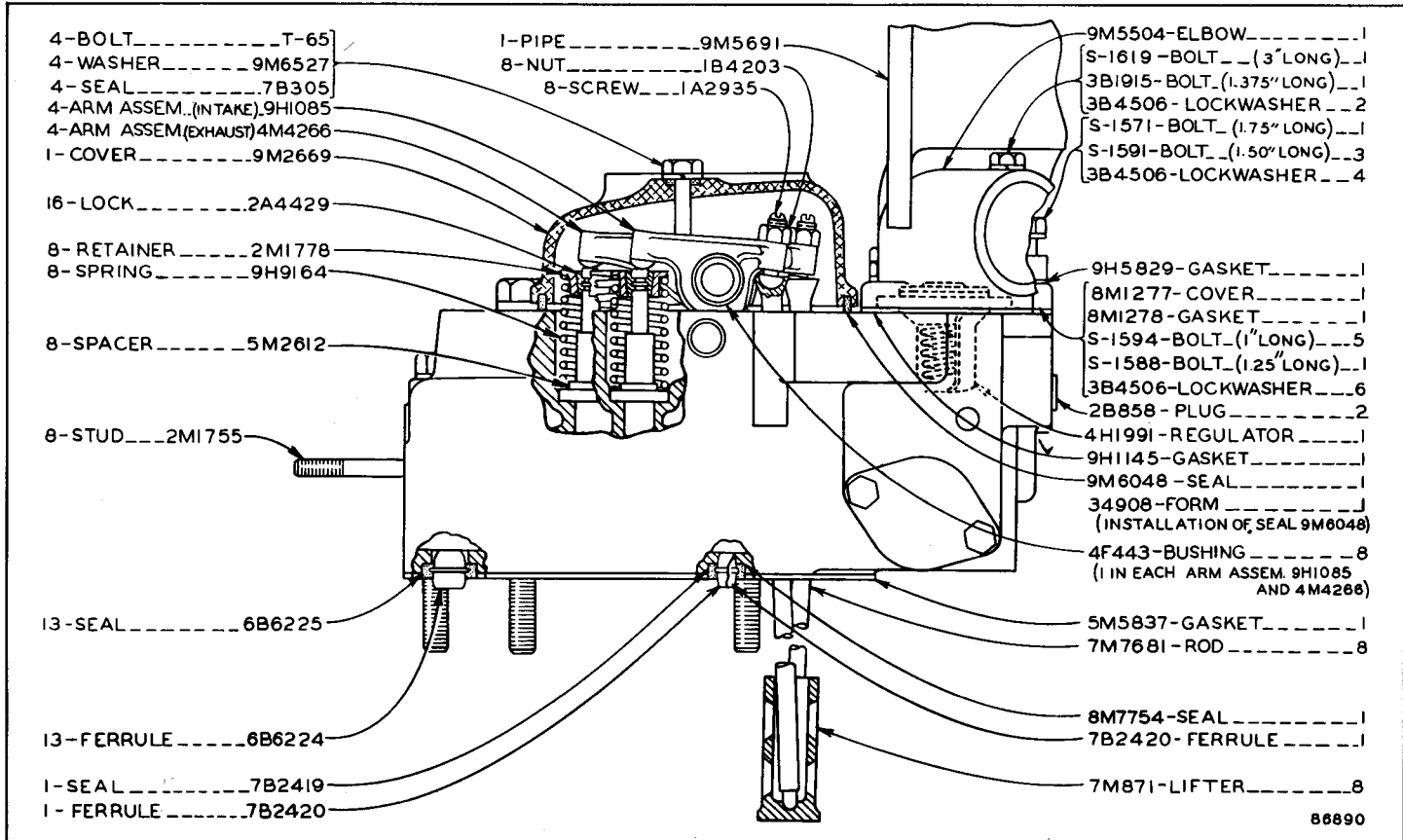
COMPRESSION RELEASE CONTROL

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



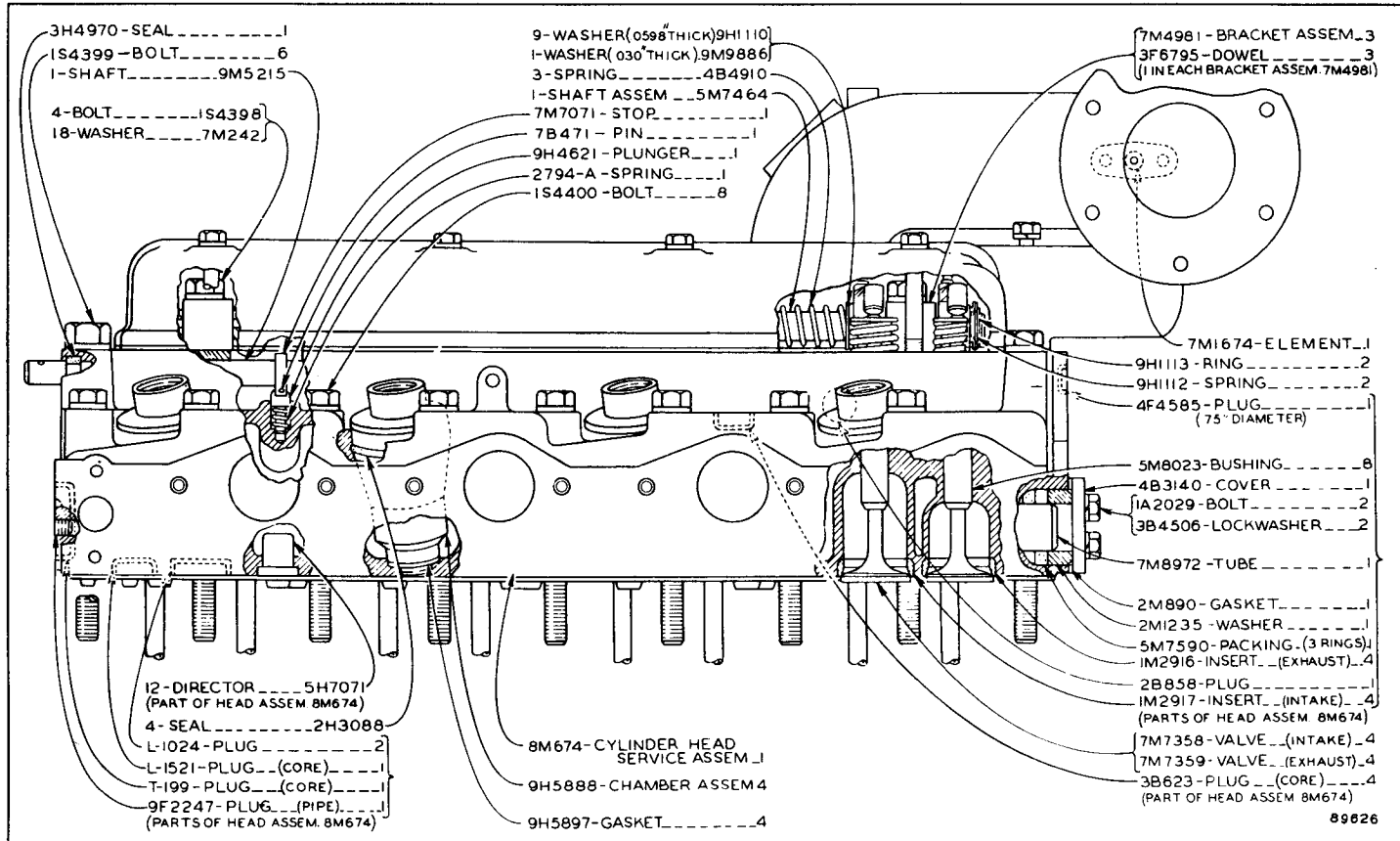
CYLINDER HEAD AND VALVE MECHANISM—Side View

Serial No. 78A1 to 78A1606, 78A1608, 78A1609, 78A1619, 78A1620 and 78A1660 inclusive
 Note: 2S3491 Valve Grinding Gasket Kit is available. Refer also to Page 106 for special parts



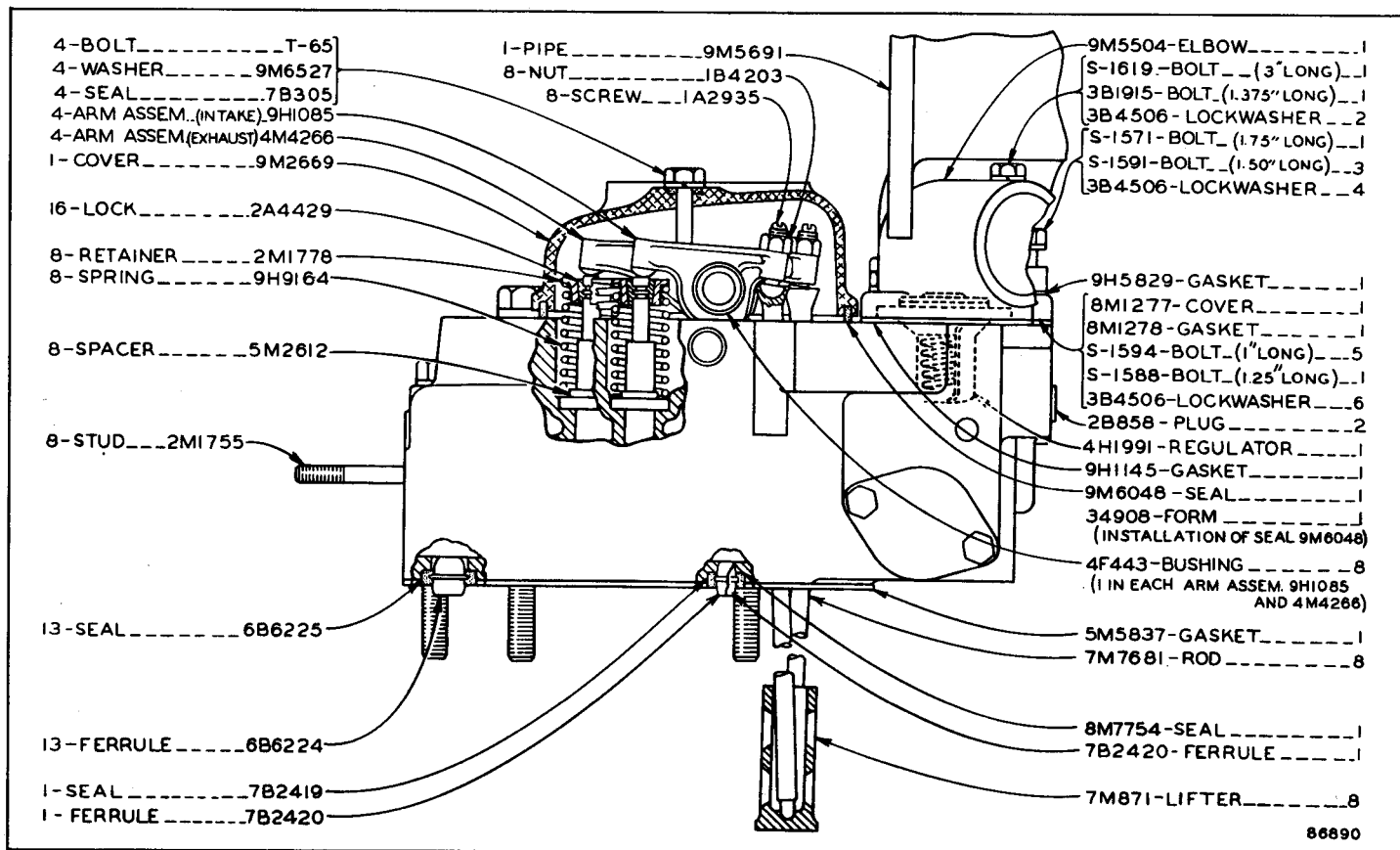
88890

CYLINDER HEAD AND VALVE MECHANISM—End View
 Serial No. 78A1 to 78A1606, 78A1608, 78A1609, 78A1619, 78A1620 and 78A1660 inclusive



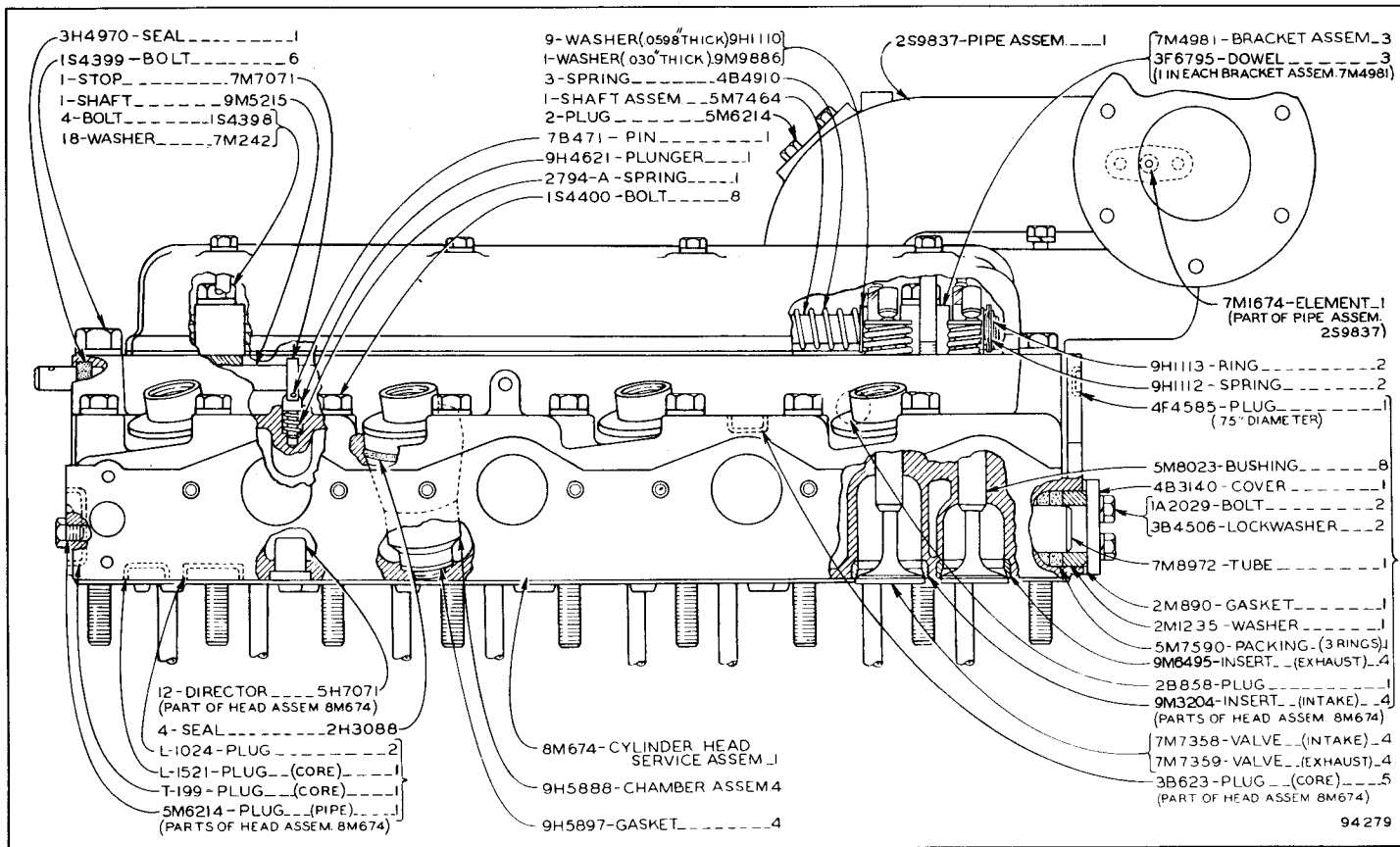
CYLINDER HEAD AND VALVE MECHANISM—Side View

Serial No. 78A1607, 78A1610 to 78A1618, 78A1621 to 78A1659, 78A1661 to 78A3243 and 78A3247 inclusive
 See Page 28B for Gasket Kit. Refer also to Page 106 for special parts

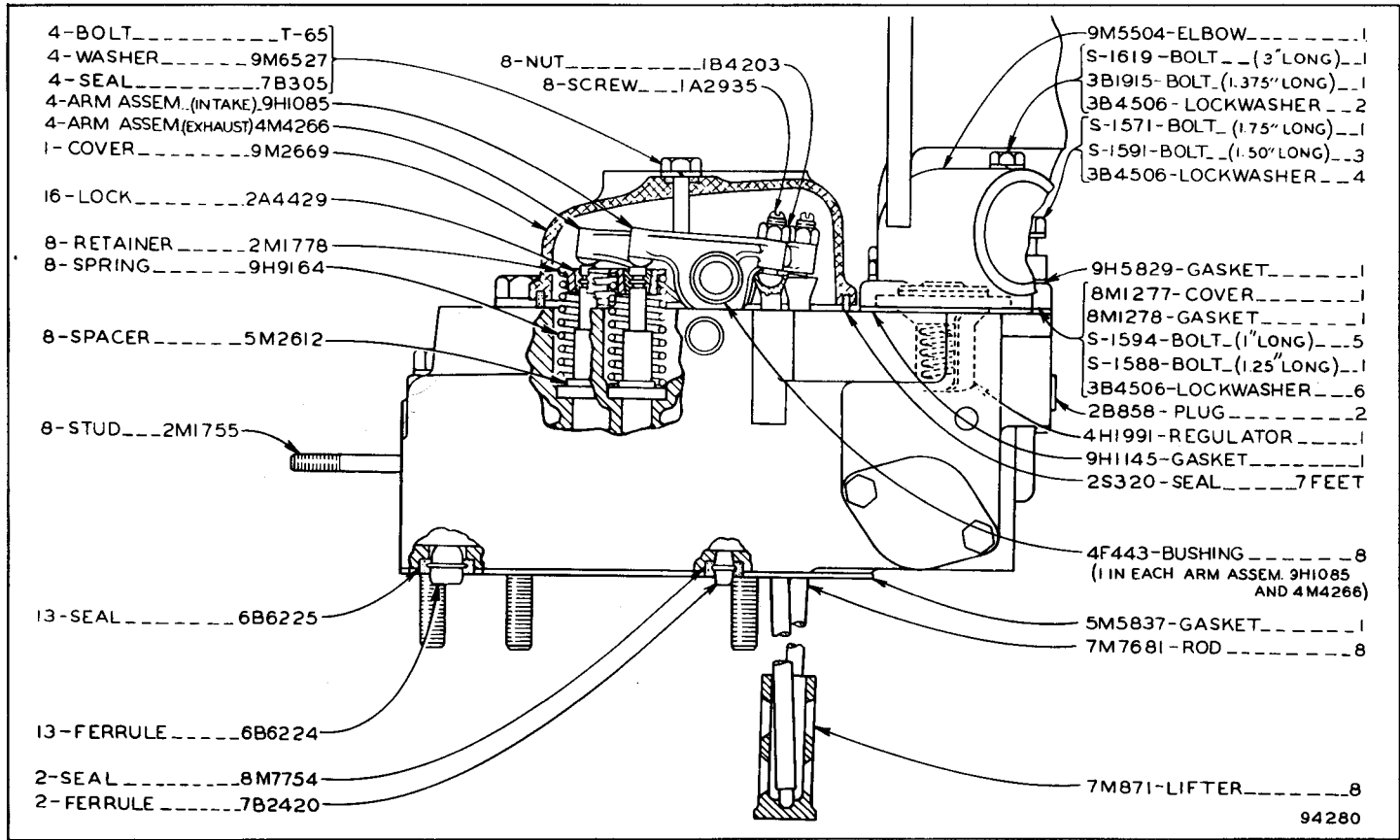


CYLINDER HEAD AND VALVE MECHANISM—End View

Serial No. 78A1607, 78A1610 to 78A1618, 78A1621 to 78A1659, 78A1661 to 78A3243 and 78A3247 inclusive

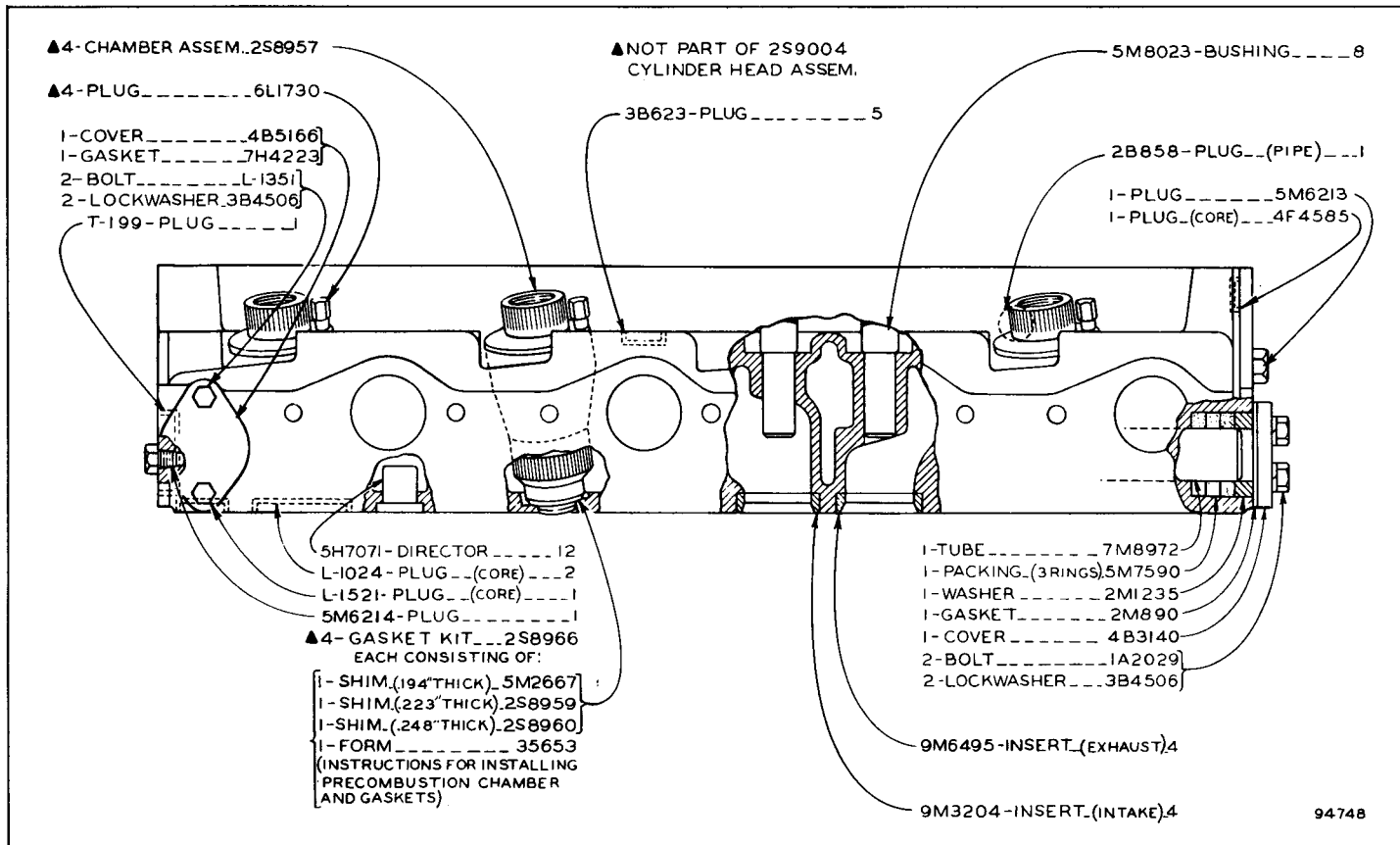


CYLINDER HEAD AND VALVE MECHANISM—Side View
 Serial No. 78A3244 to 78A3246 and 78A3248—Up
 See Page 28B for Gasket Kit. Refer also to Page 106 for special parts



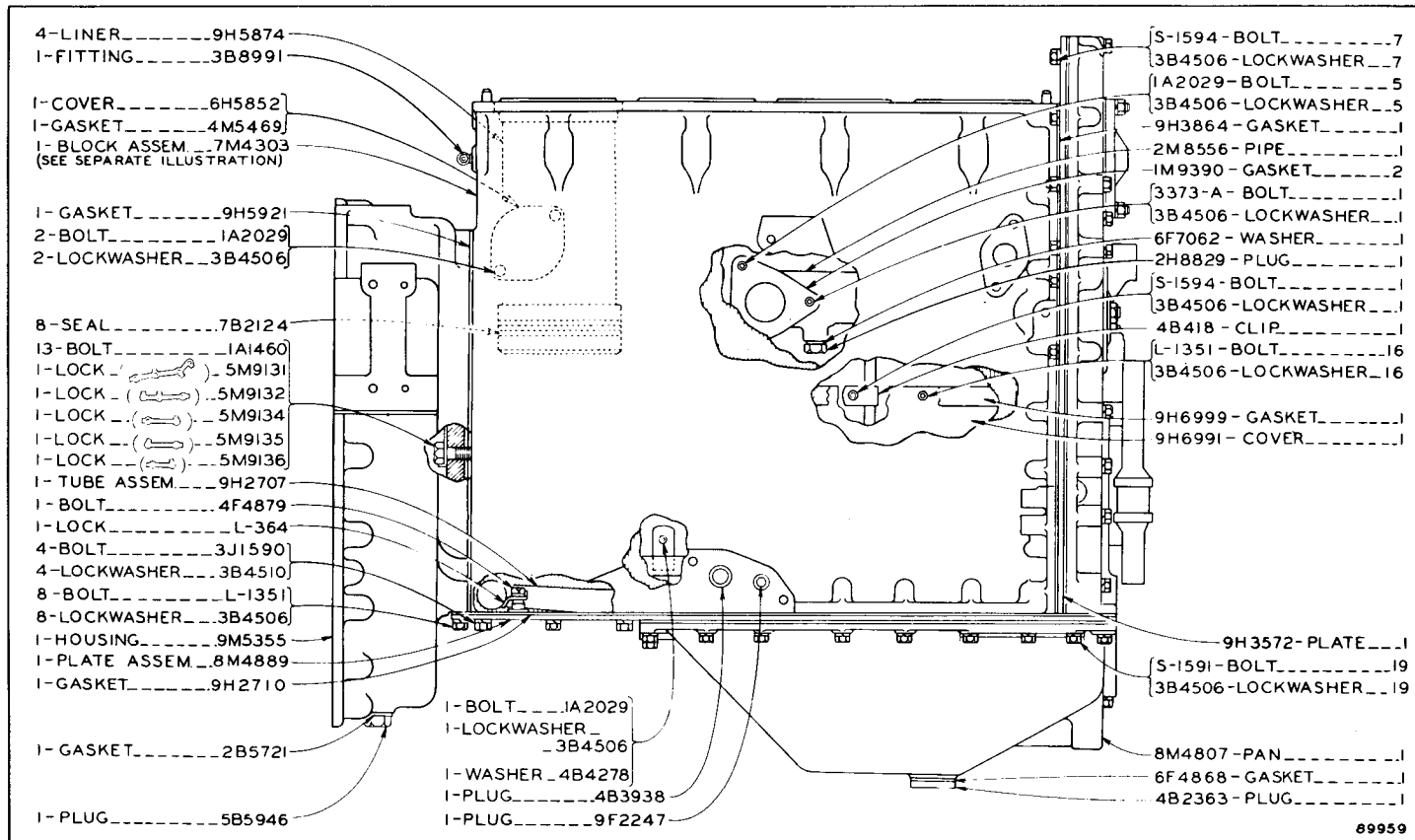
CYLINDER HEAD AND VALVE MECHANISM—End View
 Serial No. 78A3244 to 78A3246 and 78A3248—Up

94280



94748

2S9004 CYLINDER HEAD ASSEMBLY
 For field replacement of 8M674 Cylinder Head Assembly

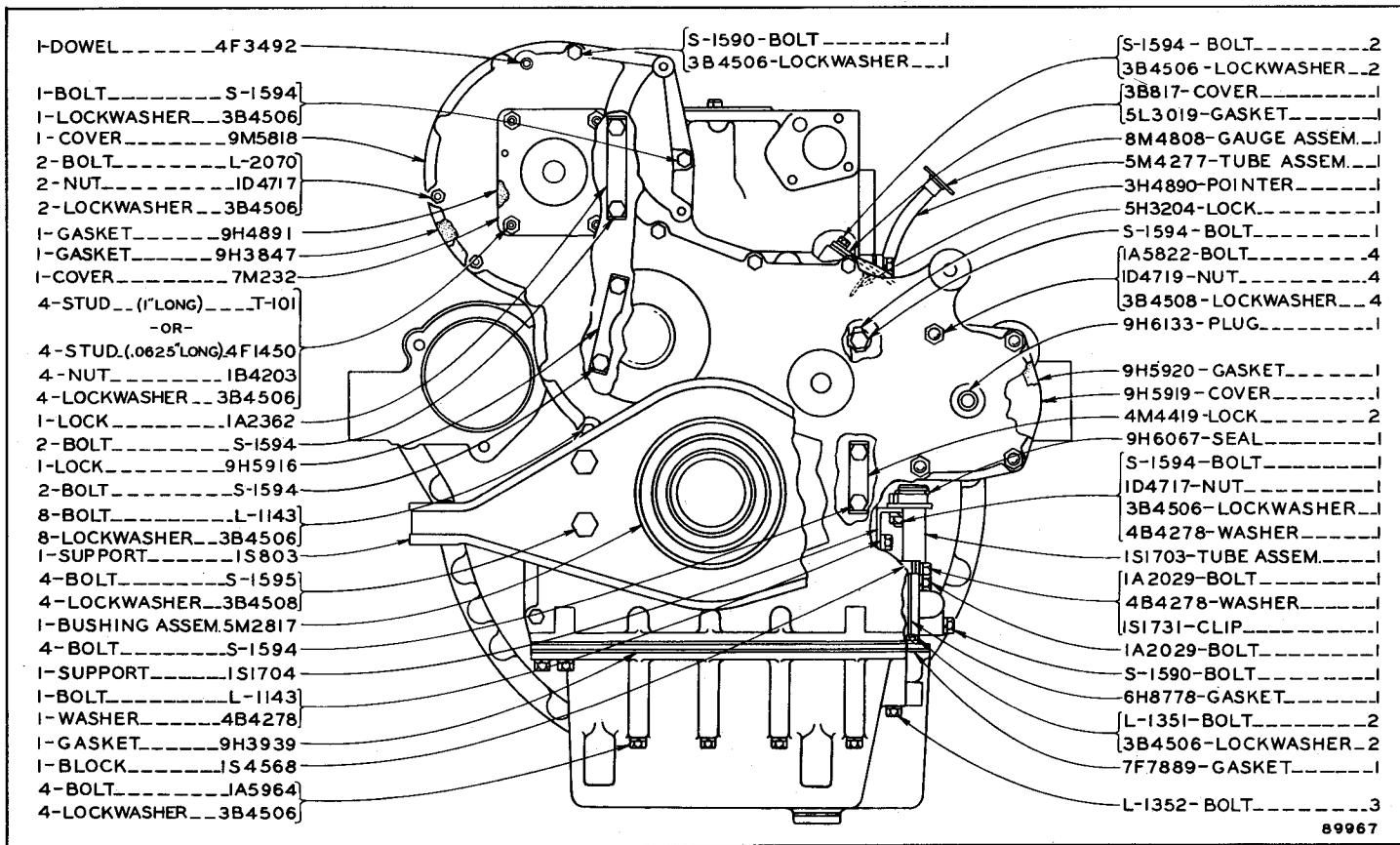


89959

CYLINDER BLOCK AND COVERS—Side View

Serial No. 78A1 to 78A1757 inclusive. 7M4303 Cylinder Block Assembly parts are shown on Page 24

Note: 4M8166 Piston and Liner Group, 4M5883 Cylinder Liner and Piston Replacement Gasket Kit and 2S3491 Valve Grinding Gasket Kit are available
 Piston and Liner replacement require the use of 4M5883 and 2S3491 Gasket Kits

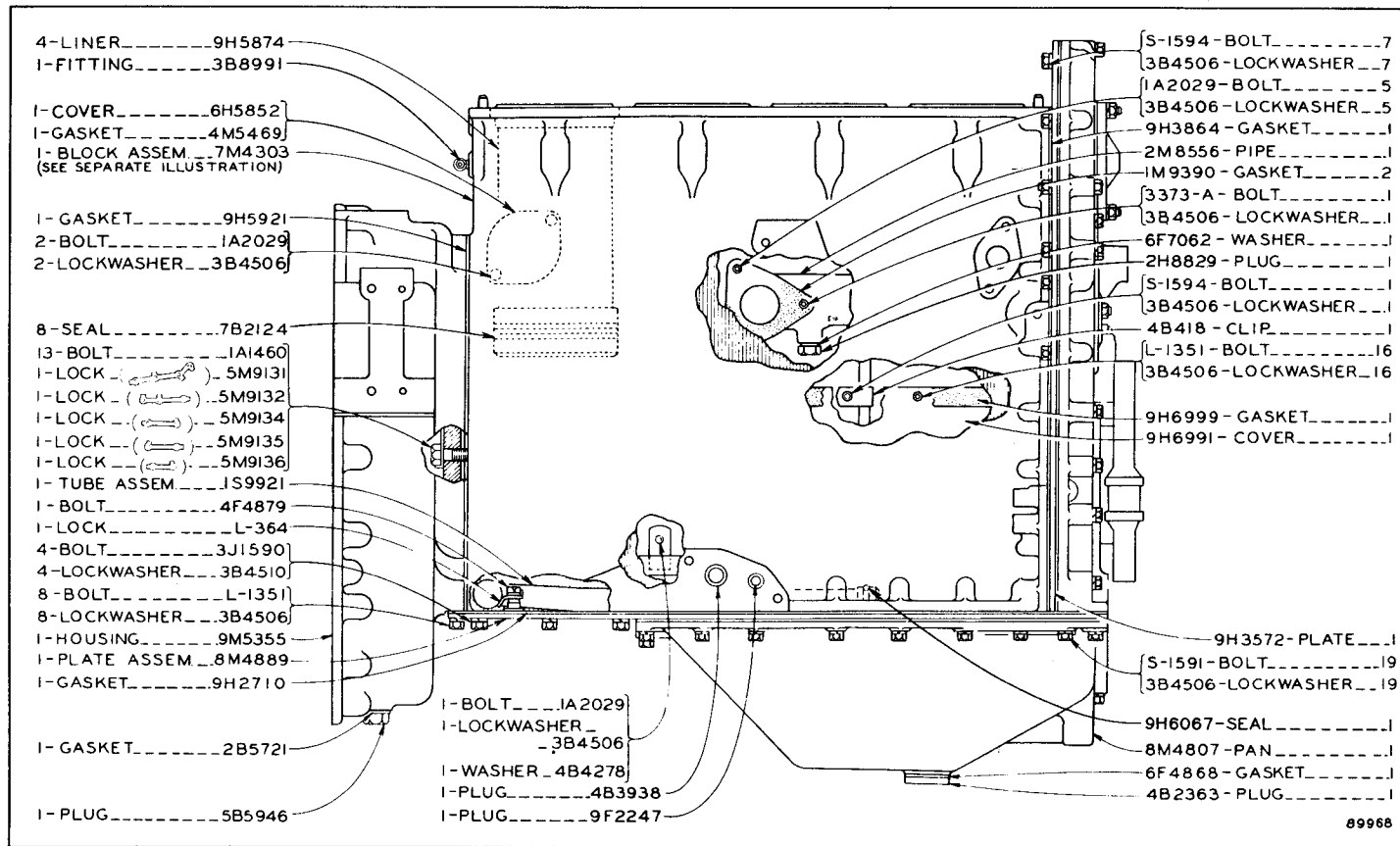


89967

CYLINDER BLOCK AND COVERS—Front View

Serial No. 78A1 to 78A1757 inclusive

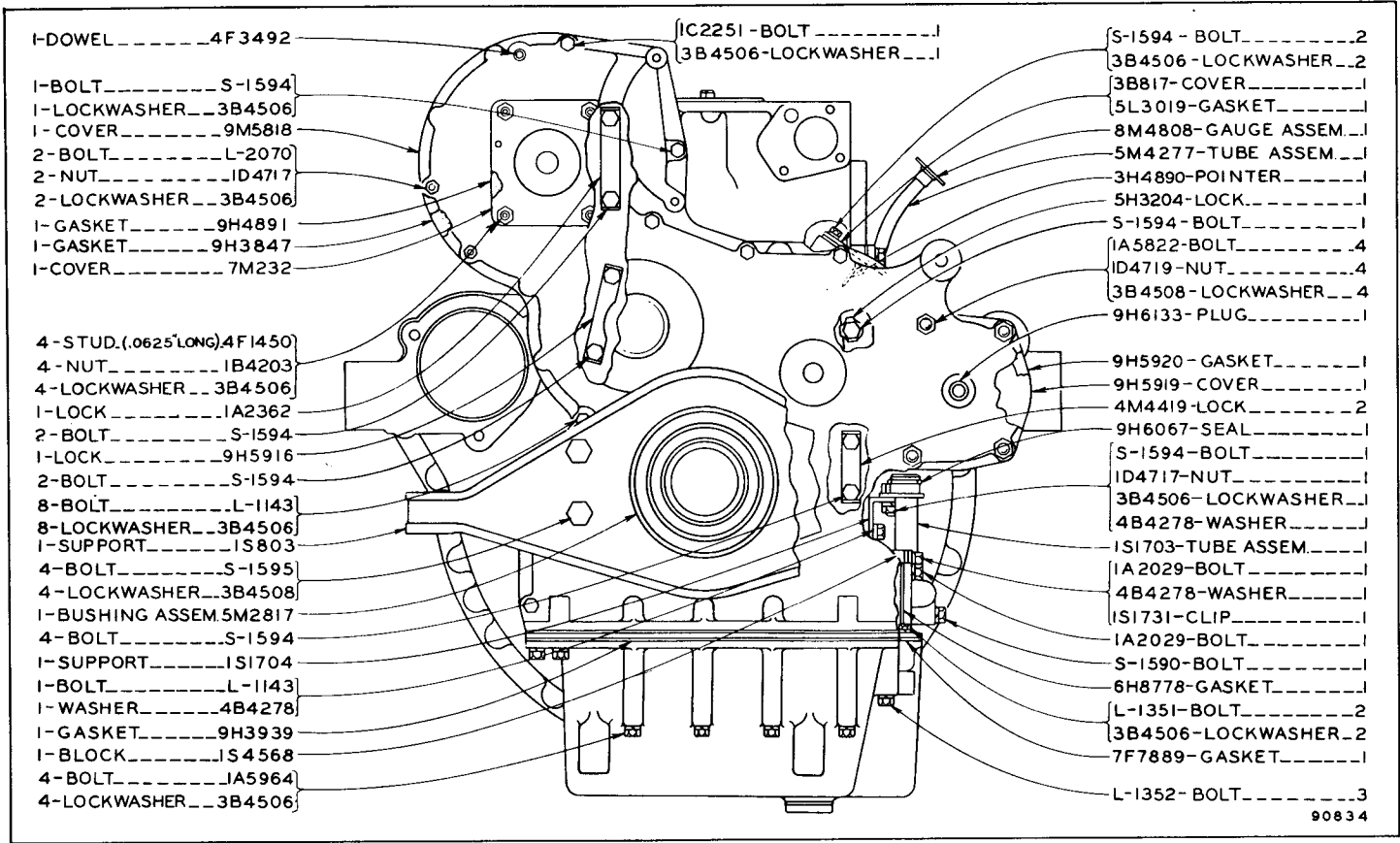
Refer also to Page 133 for special parts



CYLINDER BLOCK AND COVERS—Side View

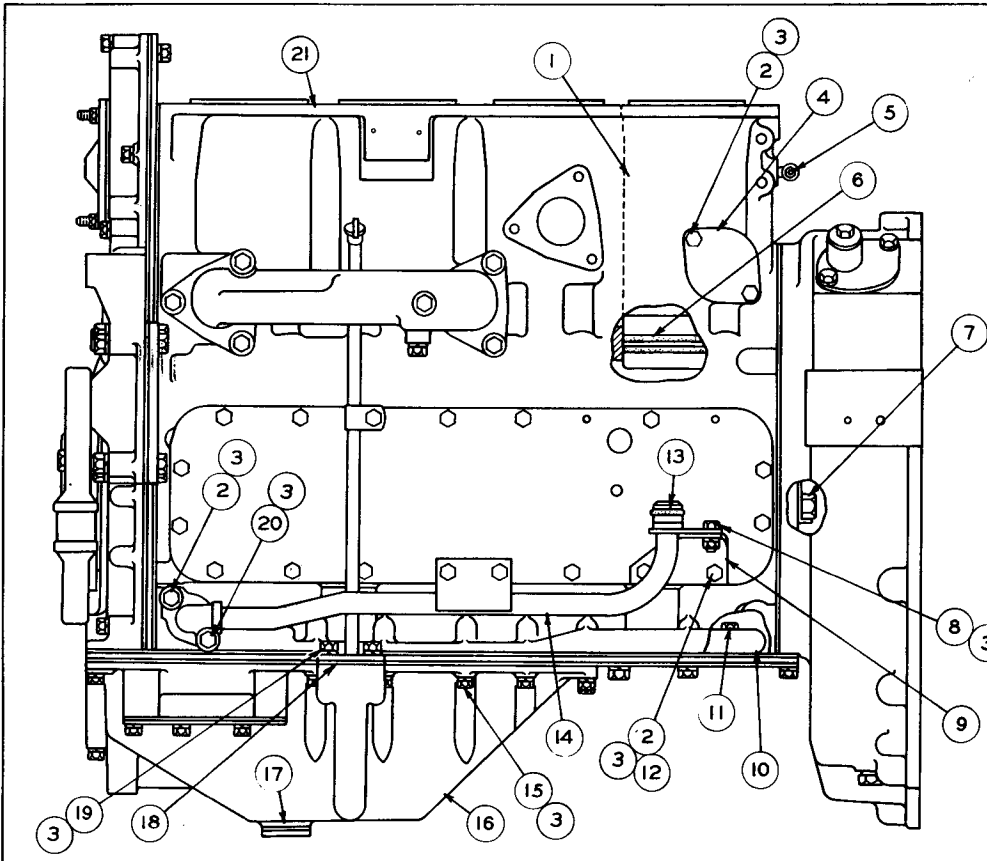
Serial No. 78A1758 to 78A3368 inclusive. 7M4303 Cylinder Block Assembly parts are shown on Page 24

See Page 28B for Gasket Kits



90834

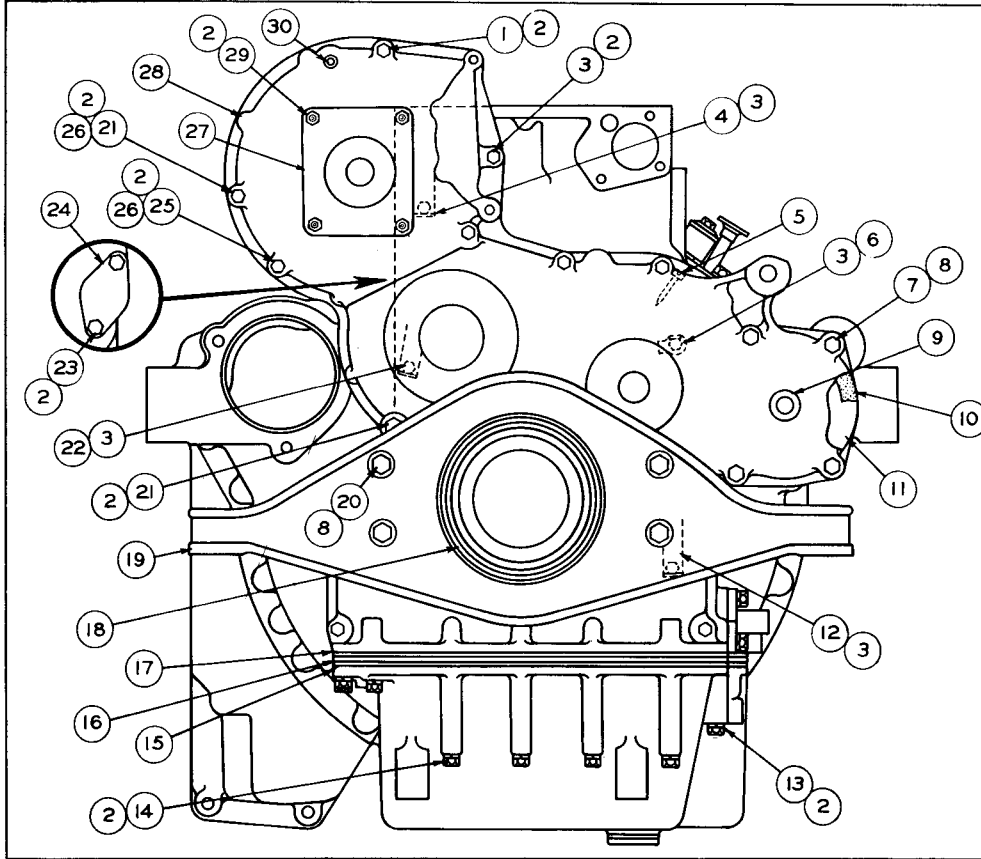
CYLINDER BLOCK AND COVERS—Front View
 Serial No. 78A1758 to 78A3368 inclusive
 Refer also to Page 133 for special parts



REF NO	PART NUMBER	DESCRIPTION	QTY
1	9H5874	LINER-----	4
2	1A2029	BOLT-----	5
3	3B4506	LOCKWASHER-----	28
4	6H5852	COVER-----	1
	4M5469	GASKET-----	1
5	3B8991	FITTING-----	1
	1F1344	NUT-----	2
		(Part of 3B8991 Fitting)	
6	7B2124	SEAL-----	8
	1A1460	BOLT-----	13
	5M9131	LOCK-----	1
7	5M9132	LOCK-----	1
	5M9134	LOCK-----	1
	5M9135	LOCK-----	1
	5M9136	LOCK-----	1
8	S-1594	BOLT-----	1
	1D4717	NUT-----	1
9	1S1704	SUPPORT-----	1
10	1S9921	TUBE ASSEM.-----	1
11	4F4879	BOLT-----	1
	L-364	LOCK-----	1
12	4B4278	WASHER-----	2
13	9H6067	SEAL-----	2
	1S1703	TUBE ASSEM.----- (Oil Inlet)	1
14	6H8778	GASKET-----	1
15	S-1591	BOLT-----	19
16	8M4807	PAN-----	1
17	4B2363	PLUG-----	1
	6F4868	GASKET-----	1
18	7F7889	GASKET-----	1
19	L-1351	BOLT-----	2
20	S-1590	BOLT-----	1
21	7M4303	BLOCK ASSEM.----- (See Separate Illustration)	1

CYLINDER BLOCK AND COVERS—Side View—Part One

Effective with Serial No. 78A3369. 7M4303 Cylinder Block Assembly parts are shown on Page 24
 See Page 28B for Gasket Kits. ADDITIONAL PARTS ARE SHOWN ON PAGES 23B AND 23D



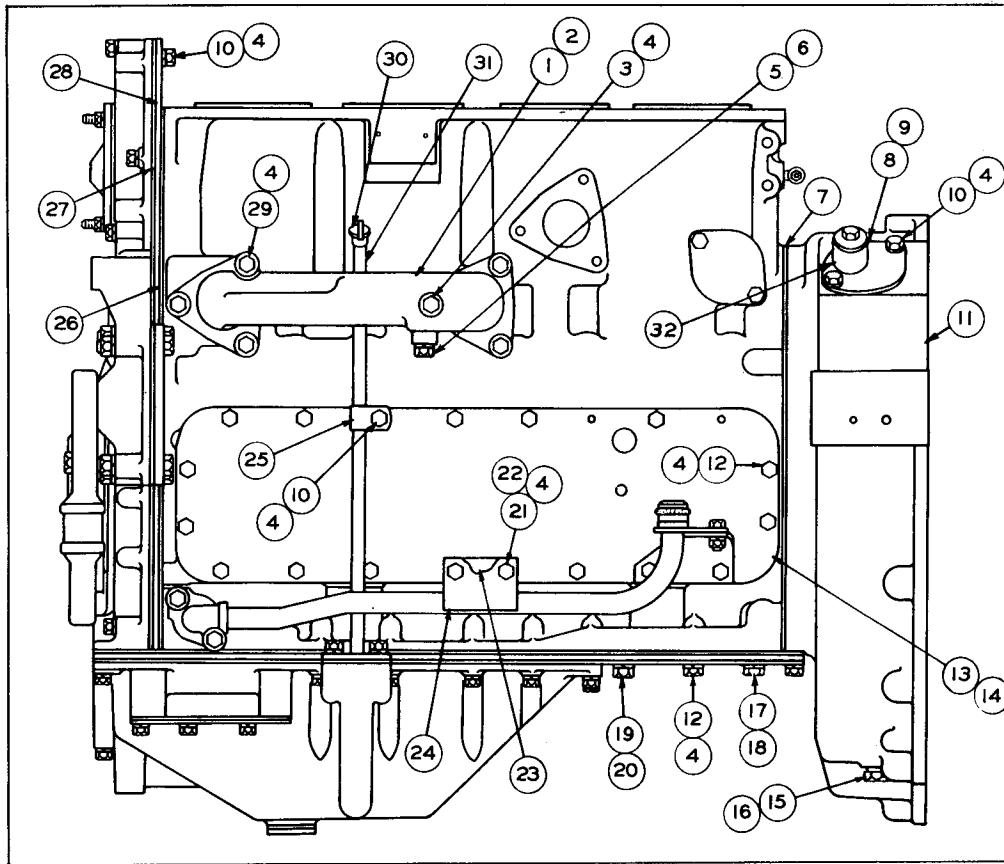
REF NO	PART NUMBER	DESCRIPTION	QTY
1	1C2251	BOLT-----	1
2	3B4506	LOCKWASHER-----	25
3	S-1594	BOLT-----	10
4	1A2362	LOCK-----	1
5	3H4890	SCREW-----	1
6	5H3204	LOCK-----	1
7	1A5822	BOLT-----	4
	1D4719	NUT-----	4
8	3B4508	LOCKWASHER-----	8
9	9H6133	PLUG-----	1
10	9H5920	GASKET-----	1
11	9H5919	COVER-----	1
12	4M4419	LOCK-----	2
13	L-1352	BOLT-----	3
14	1A5964	BOLT-----	4
15	9H3939	GASKET-----	1
16	8M4889	PLATE ASSEM-----	1
17	9H2710	GASKET-----	1
18	5M2817	BUSHING ASSEM-----	1
19	1S803	SUPPORT-----	1
20	S-1595	BOLT-----	4
21	L-1143	BOLT-----	9
22	9H5916	LOCK-----	1
23	L-1351	BOLT-----	2
24	1M130	COVER-----	1
	4M6480	GASKET-----	1
25	L-2070	BOLT-----	1
26	1D4717	NUT-----	2
27	7M232	COVER-----	1
	9H4891	GASKET-----	1
28	9M5818	COVER-----	1
29	4F1450	STUD-----	4
	1B4203	NUT-----	4
30	4F3492	DOWEL-----	1

CYLINDER BLOCK AND COVERS—Front View—Part Two

Effective with Serial No. 78A3369

Refer also to Page 133 for special parts. ADDITIONAL PARTS ARE SHOWN ON PAGES 23A AND 23D

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



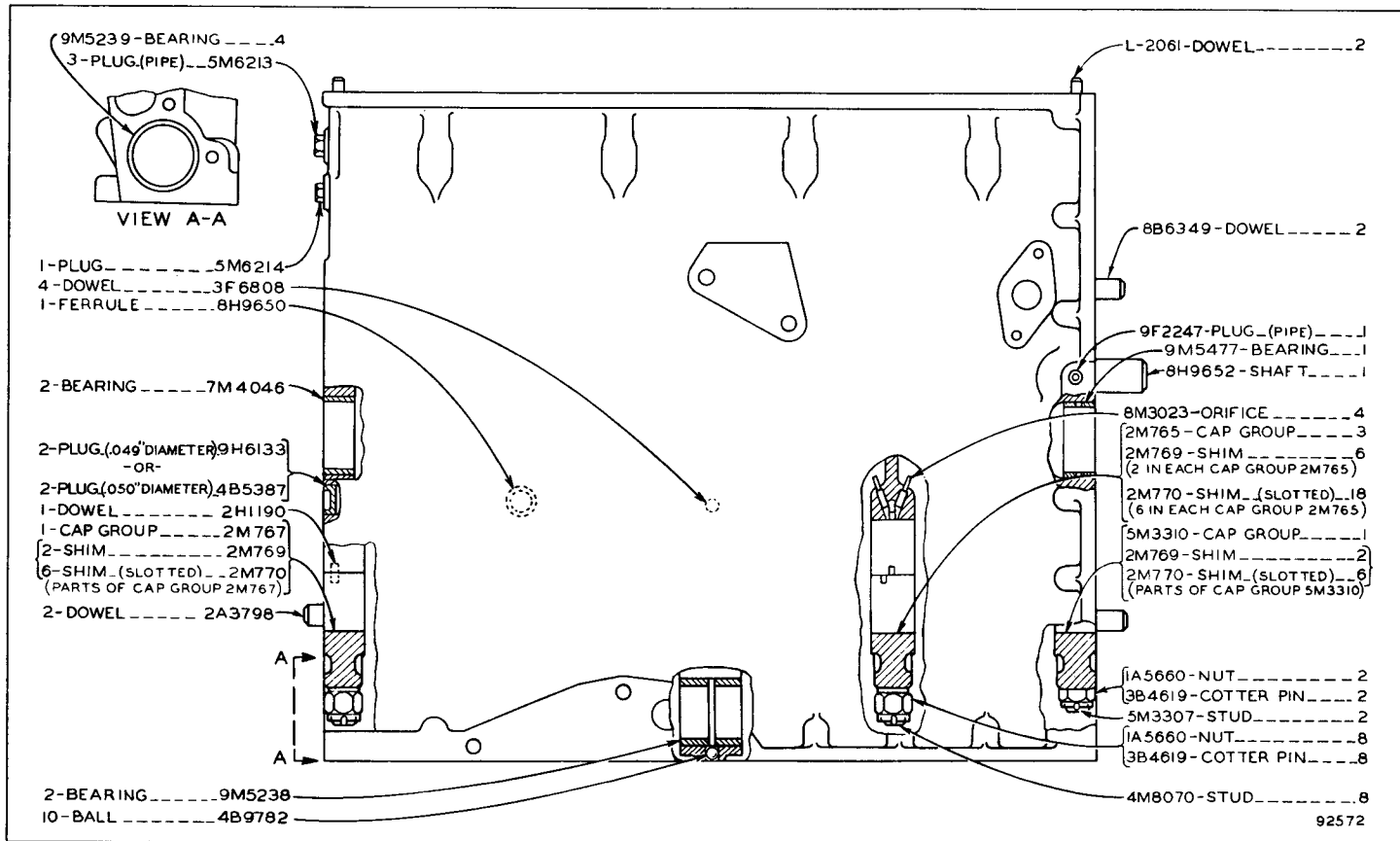
REF NO	PART NUMBER	DESCRIPTION	QTY
1	2M8556	PIPE-----	1
2	1M9390	GASKET-----	2
3	3373-A	BOLT-----	1
4	3B4506	LOCKWASHER-----	39
5	2H8829	PLUG-----	1
6	6F7062	WASHER-----	1
7	9H5921	GASKET-----	1
8	5K1726	COVER ASSEM.-----	1
9	5L3019	GASKET-----	1
10	S-1594	BOLT-----	10
11	2S3963	HOUSING-----	1
12	L-1351	BOLT-----	21
13	9H6991	COVER-----	1
14	9H6999	GASKET-----	1
15	5B5946	PLUG-----	1
16	2B5721	GASKET-----	1
17	S-1592	BOLT-----	2
18	4K499	LOCKWASHER-----	2
19	3J1590	BOLT-----	2
20	3B4510	LOCKWASHER-----	2
21	L-1143	BOLT-----	2
22	4B4278	WASHER-----	2
23	1S4568	BLOCK-----	1
24	1S1731	CLIP-----	2
25	4B418	CLIP-----	1
26	9H3864	GASKET-----	1
27	9H3847	GASKET-----	1
28	9H3572	PLATE-----	1
29	1A2029	BOLT-----	5
30	8M4808	GAUGE ASSEM.-----	1
31	5M4277	TUBE ASSEM.-----	1
32	4H6112	BREATHER-----	1

CYLINDER BLOCK AND COVERS—Side View—Part Three
 Effective with Serial No. 78A3369
 ADDITIONAL PARTS ARE SHOWN ON PAGES 23A AND 23B

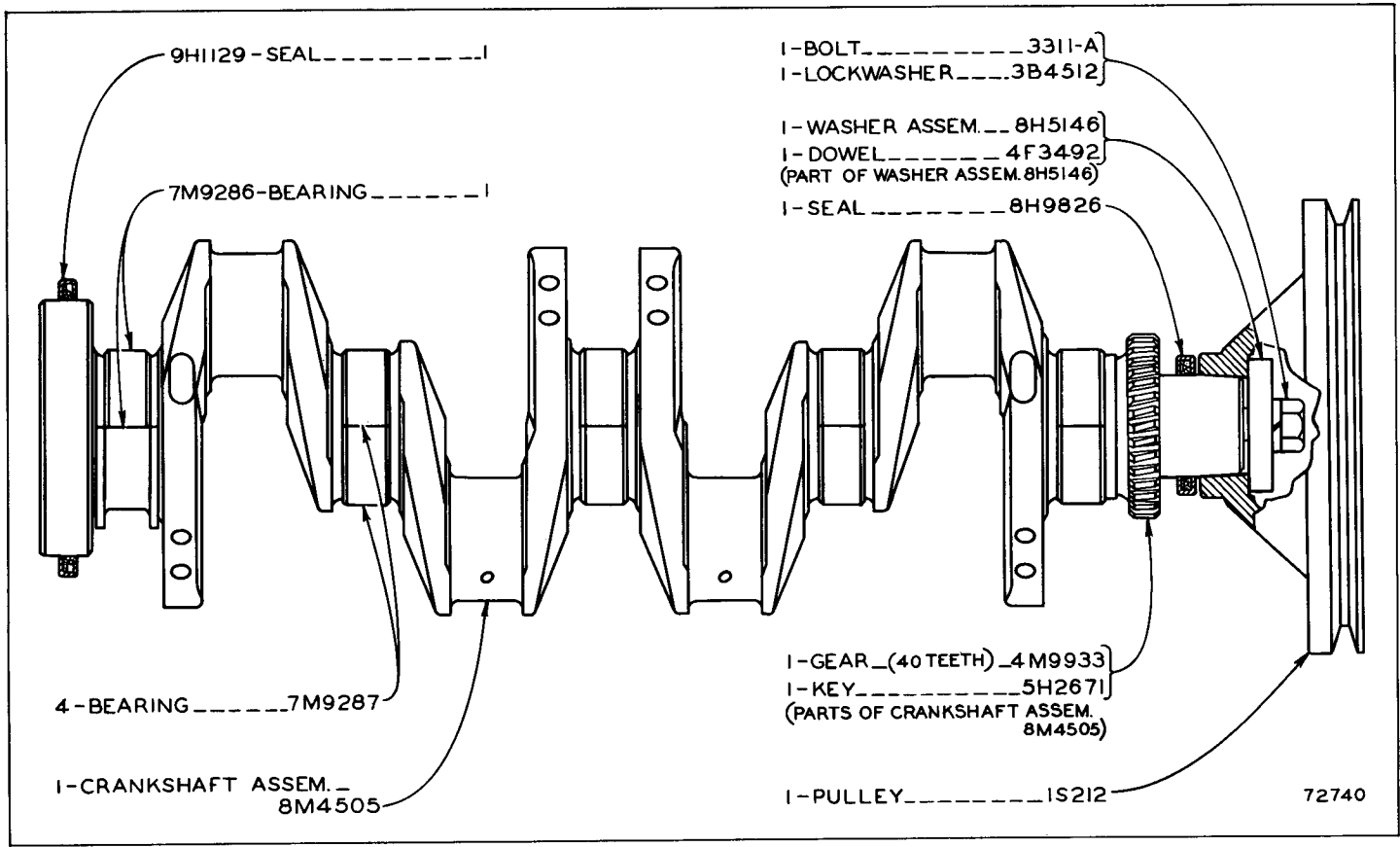
94655

DIESEL ENGINE

23D



7M4303 CYLINDER BLOCK ASSEMBLY
 Part of Cylinder Block and Covers shown on Page 22



CRANKSHAFT

7M9290 For use with Standard Crankshaft

Consists of:

Complete set of Bearing Assemblies as shown with Standard Crankshaft

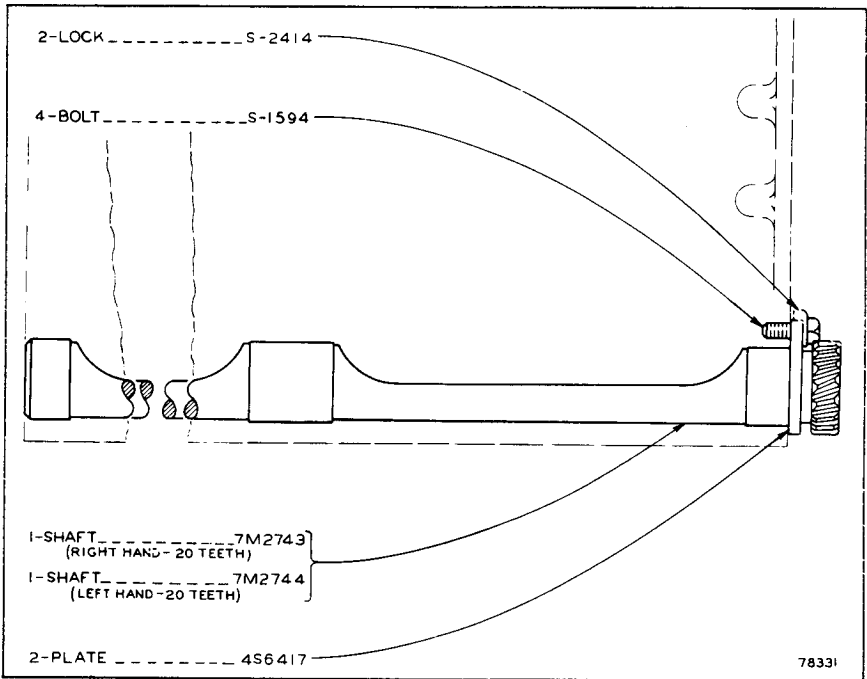
7M9292 For use with .030 Undersize Crankshaft

Consists of:

4 7M9288 Bearing—Intermediate

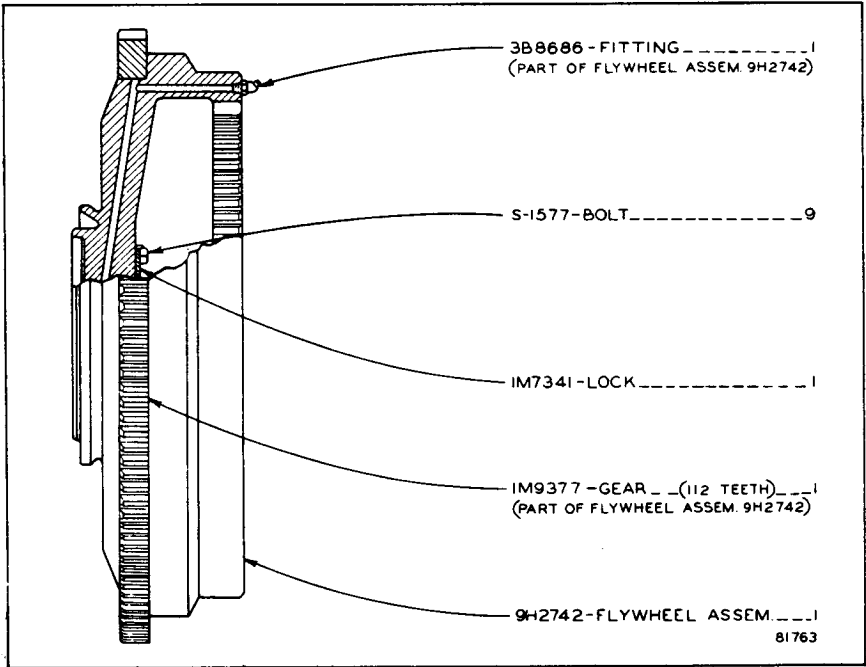
1 7M9289 Bearing—Rear

CRANKSHAFT BEARING REPLACEMENT GROUPS



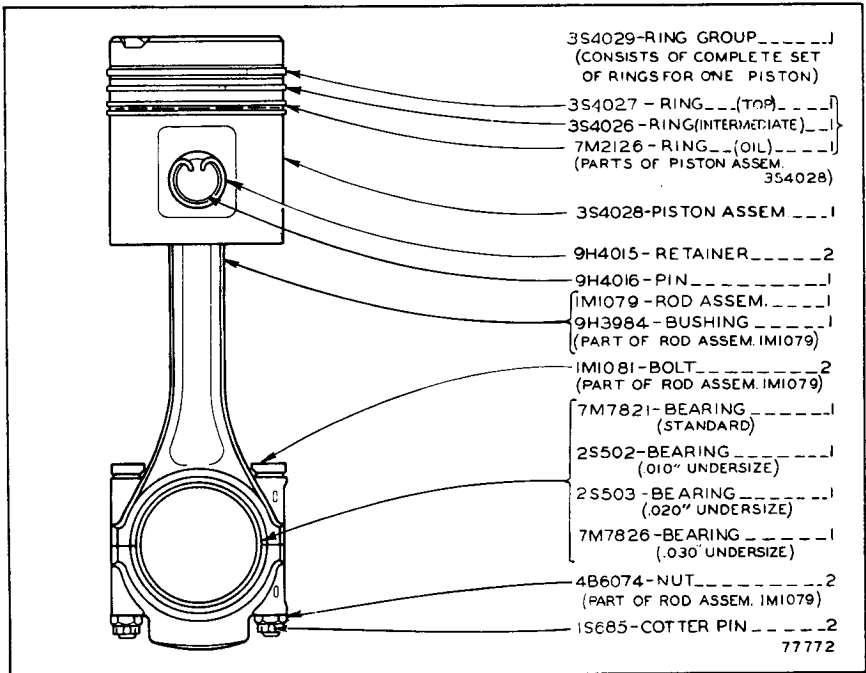
ENGINE BALANCER

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



FLYWHEEL

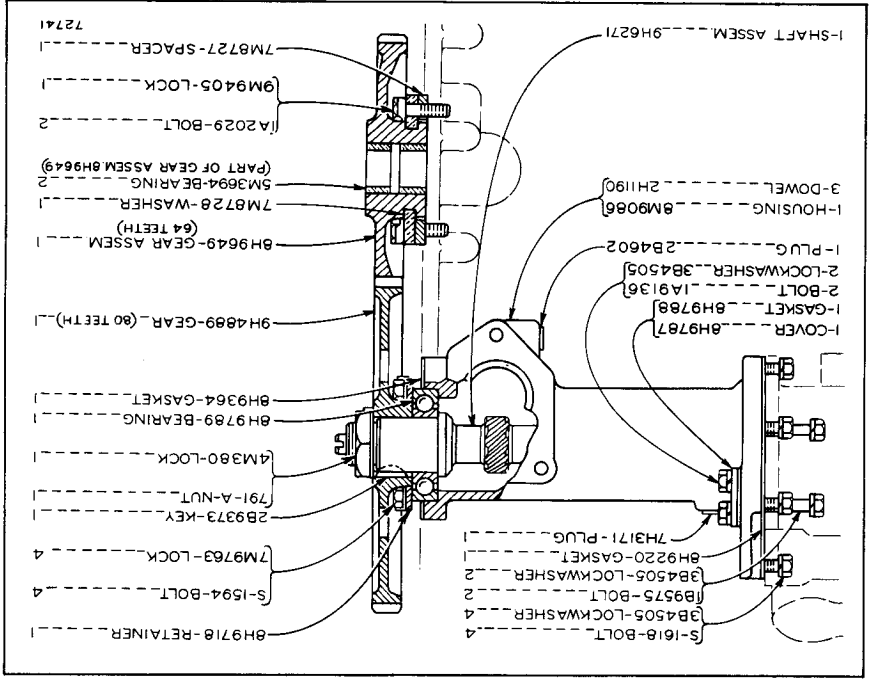
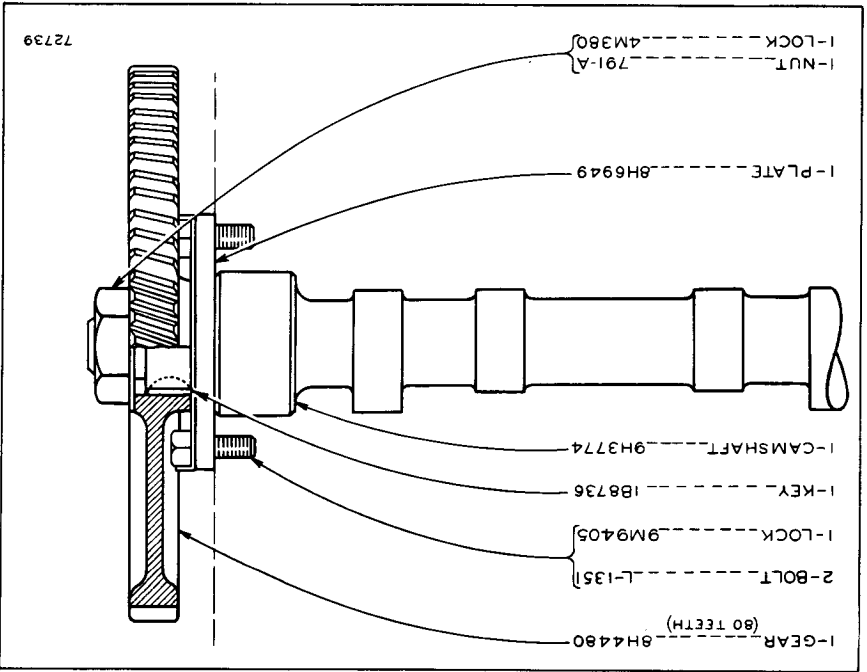
For use with Gasoline Starting Engine with Dry Clutch
Refer also to Pages 106, 133 and 134 for special parts



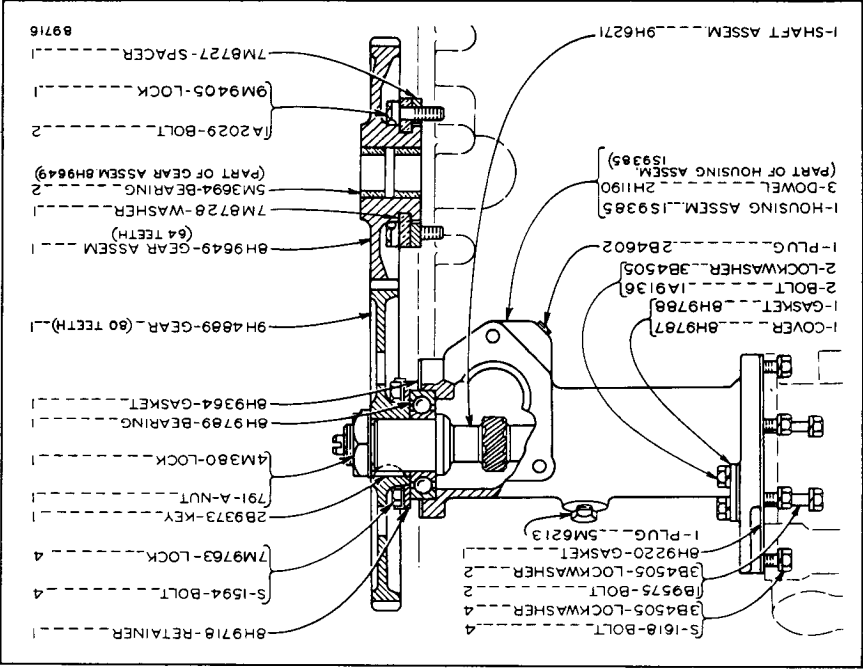
CONNECTING ROD AND PISTON—4 Required

Note: 4M8166 Piston and Liner Group, consisting of: 1—Piston Assembly, 1—Liner and 2—Seals, is available

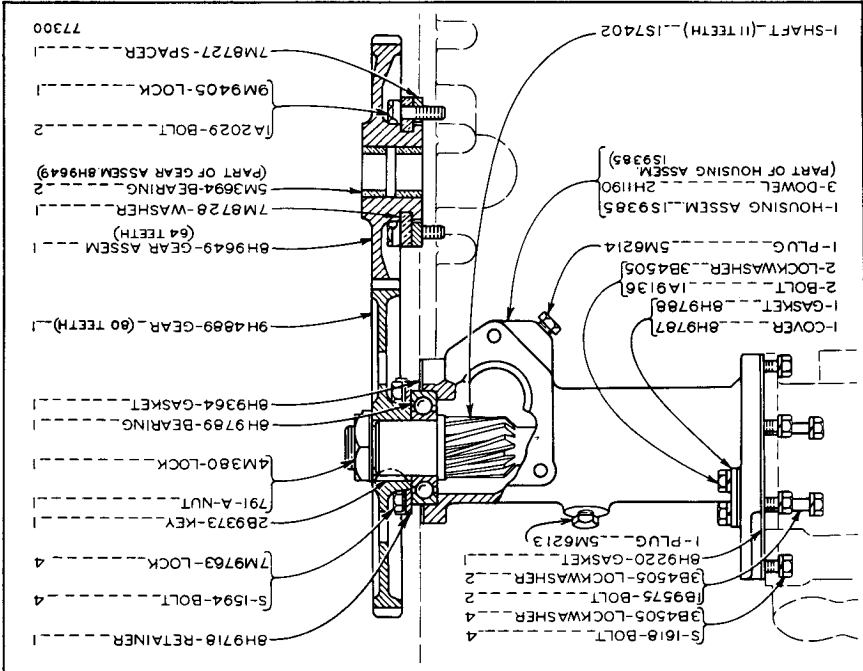
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



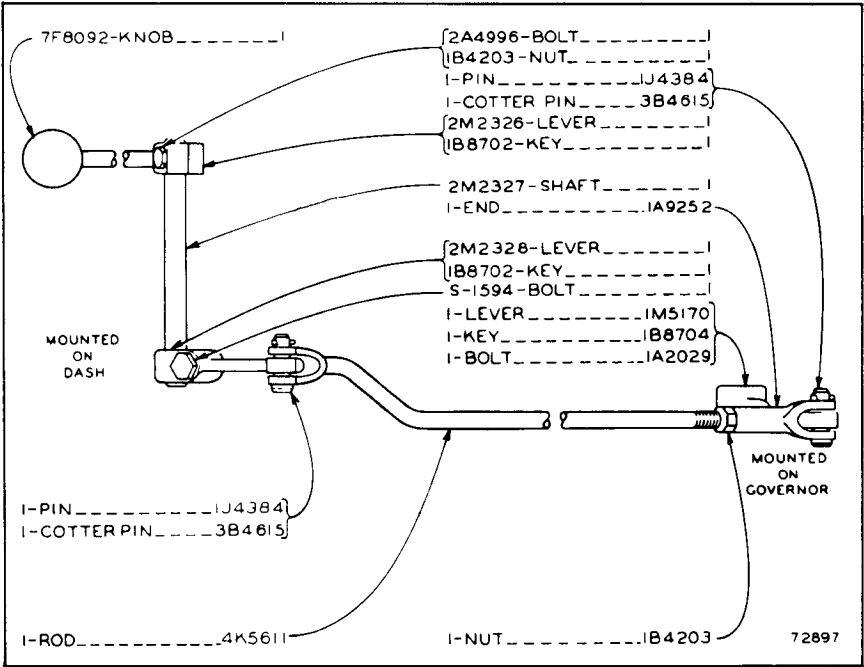
ACCESSORY DRIVE
Serial No. 78A1485 to 78A1525, 78A1528 to 78A1533, 78A1543 and 78A1552 inclusive



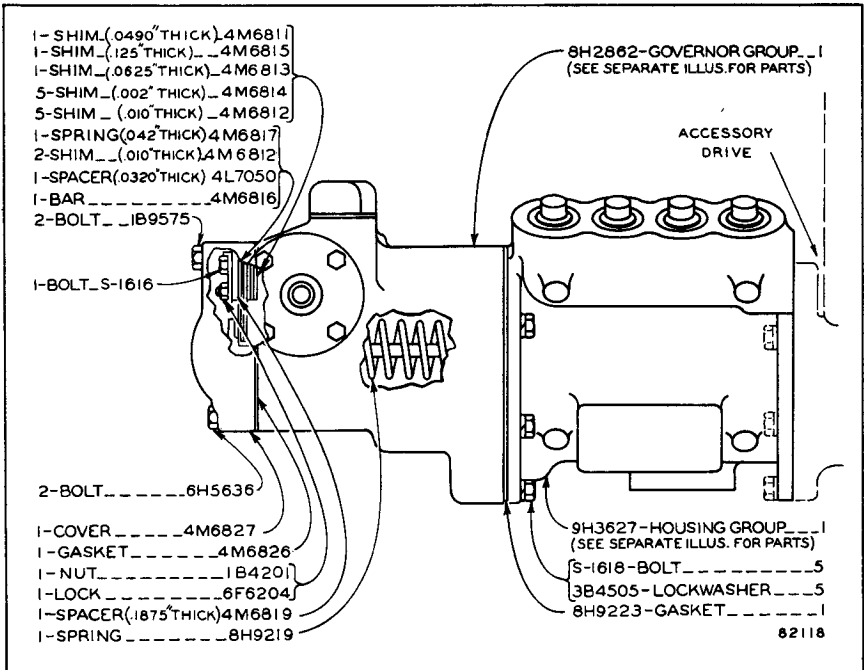
ACCESSORY DRIVE
Serial No. 78A1526, 78A1527, 78A1534 to 78A1542, 78A1544 to 78A1551 and 78A1553—UP
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

- 7M8104 Diesel Engine Basic
- 2S3917 Diesel Engine Supplementary
- 2S3491 Valve Grinding
- 4M5883 Cylinder Liner and Piston Replacement
Note: Piston and Liner replacement require the use of
2S3491 and 4M5883 Gasket Kits
- 1S5230 Water Pump
Serial No. 78A1 to 78A2754 inclusive
- 4S8043 Water Pump
Effective with Serial No. 78A2755
- 8M4908 Gasoline Starting Engine Basic
- 1S7224 Gasoline Starting Engine Supplementary
- 9M5678 Gasoline Starting Engine Clutch Mechanism Repair

GASKET KITS



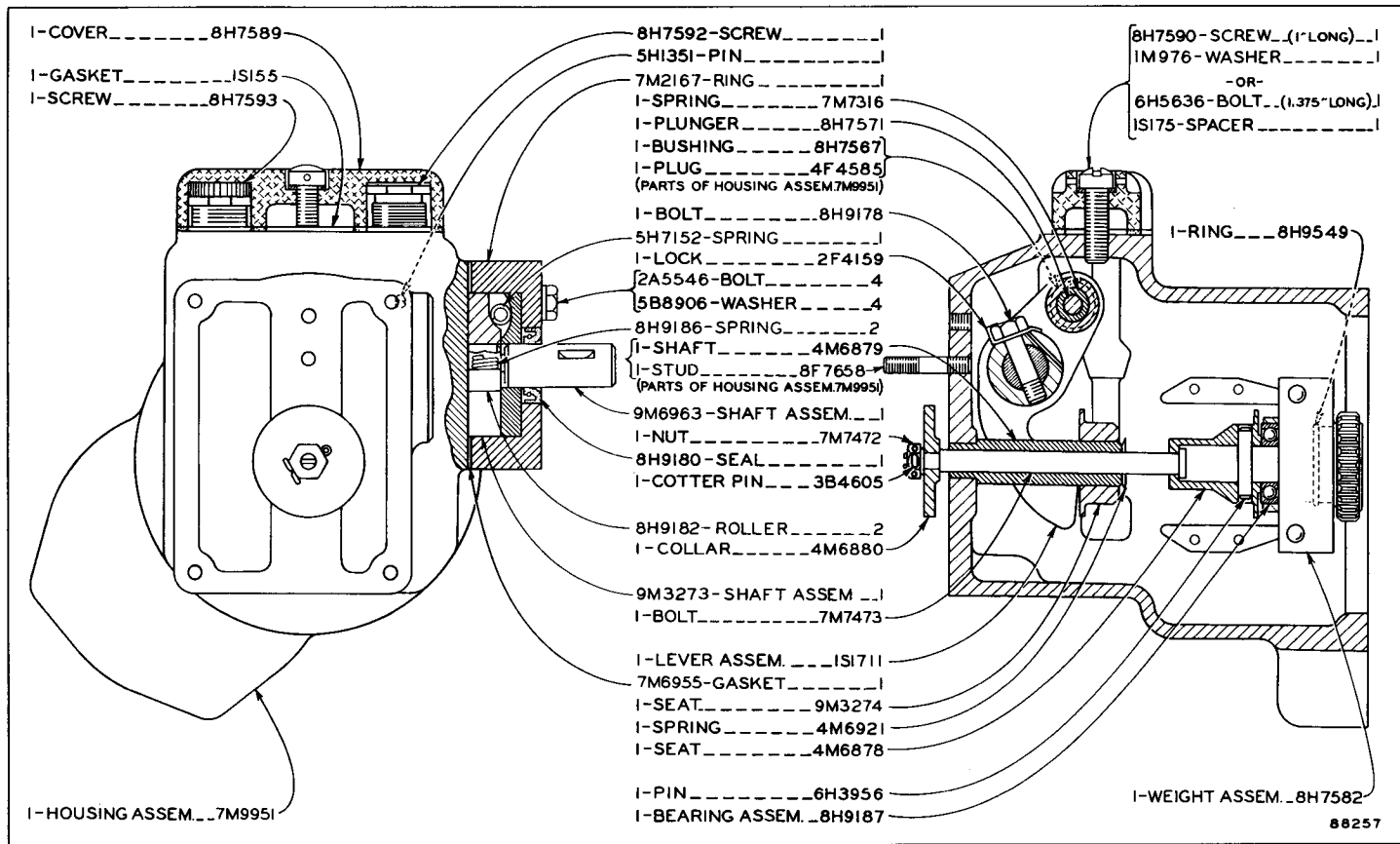
FUEL PUMP AND GOVERNOR CONTROL—Top View



FUEL PUMP HOUSING AND GOVERNOR

8H2862 Governor Group and 9H3627 Fuel Pump Housing Group parts are shown on Pages 30 and 33

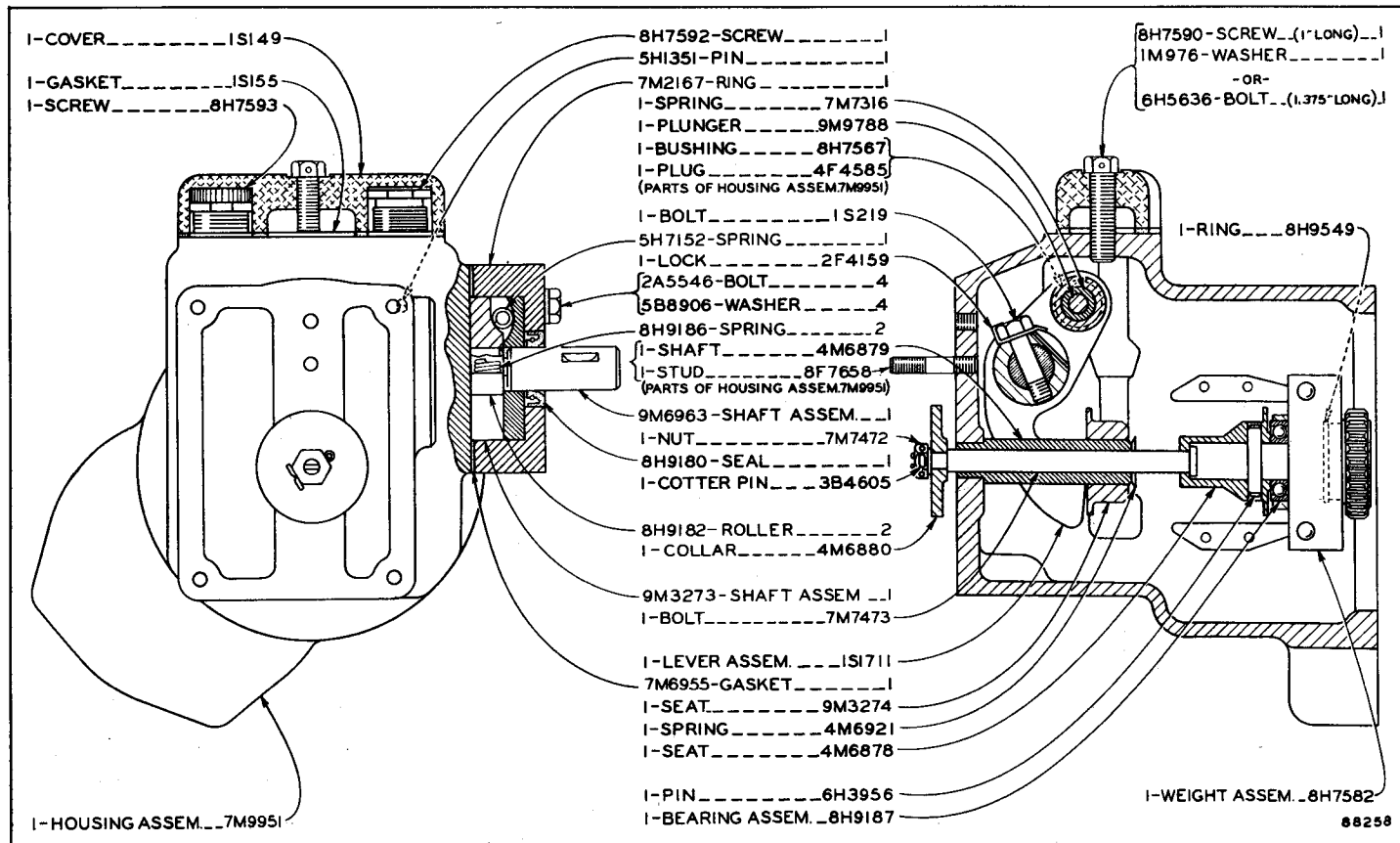
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



8H2862 GOVERNOR GROUP

Serial No. 78A1 to 78A830 inclusive

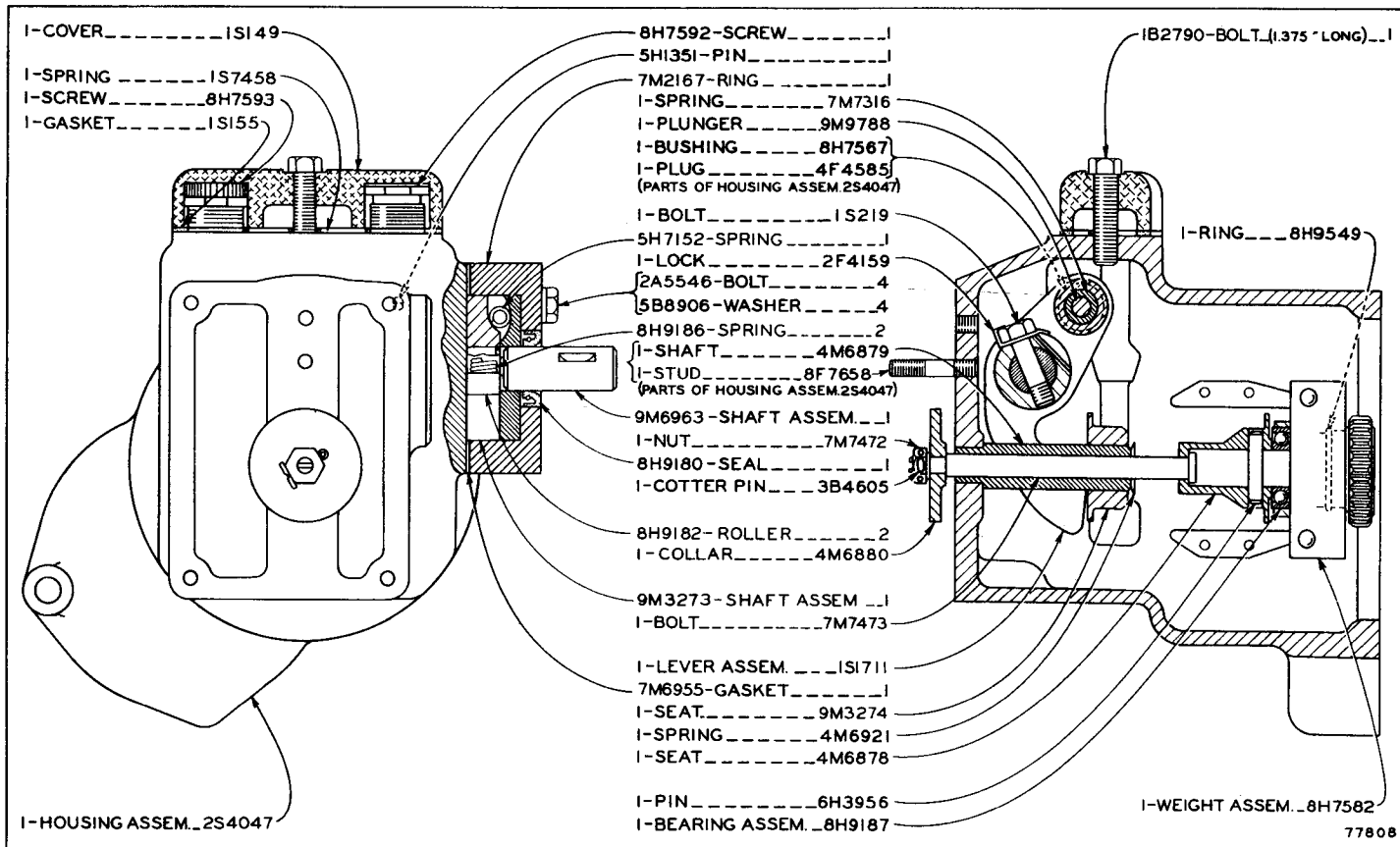
Part of Fuel Pump Housing and Governor shown on Page 29



8H2862 GOVERNOR GROUP

Serial No. 78A831 to 78A2546 and 78A2549 to 78A2552 inclusive
 Part of Fuel Pump Housing and Governor shown on Page 29

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

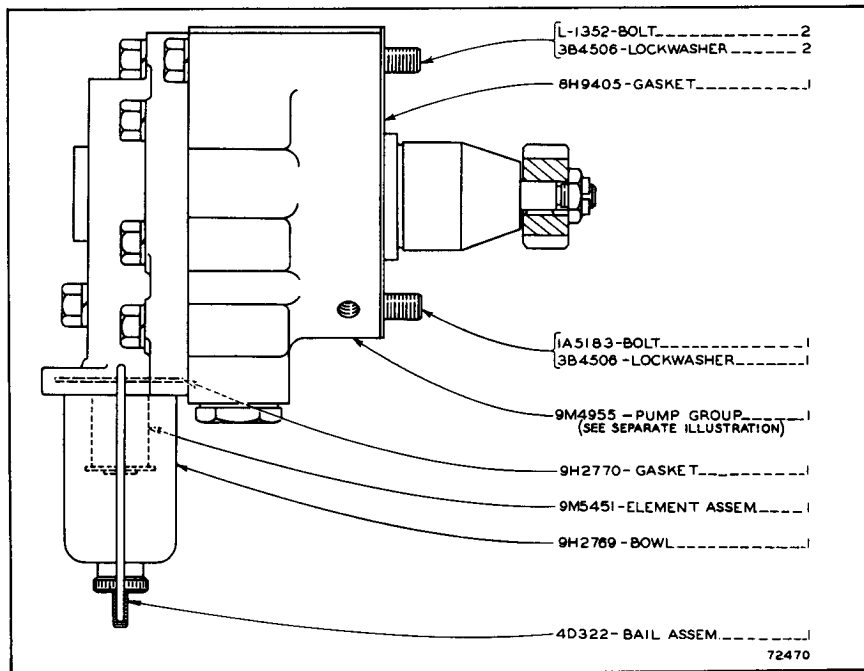


30B

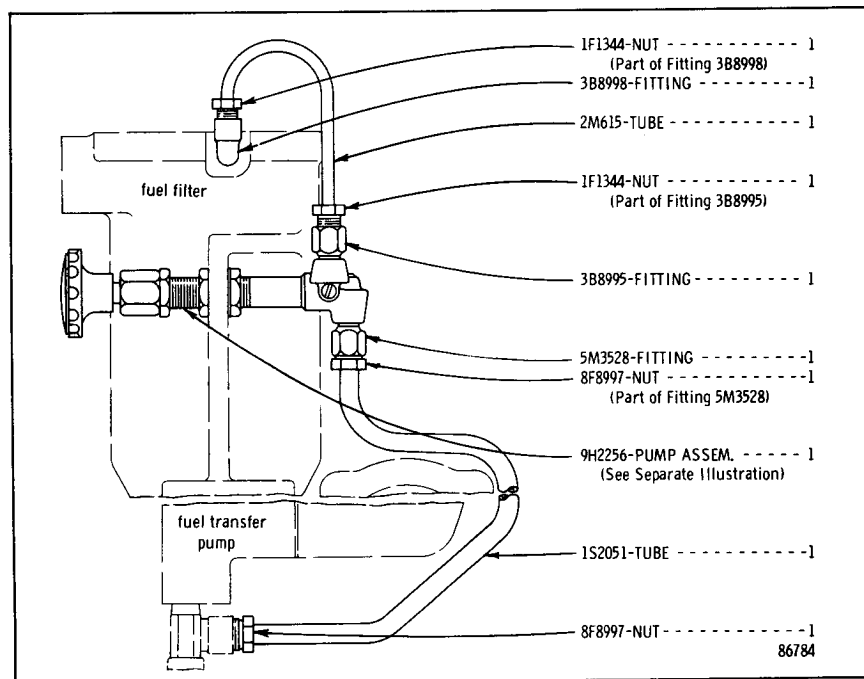
CATERPILLAR D4 TRACTOR

77808

8H2862 GOVERNOR GROUP
 Serial No. 78A2547, 78A2548 and 78A2553—Up
 Part of Fuel Pump Housing and Governor shown on Page 29

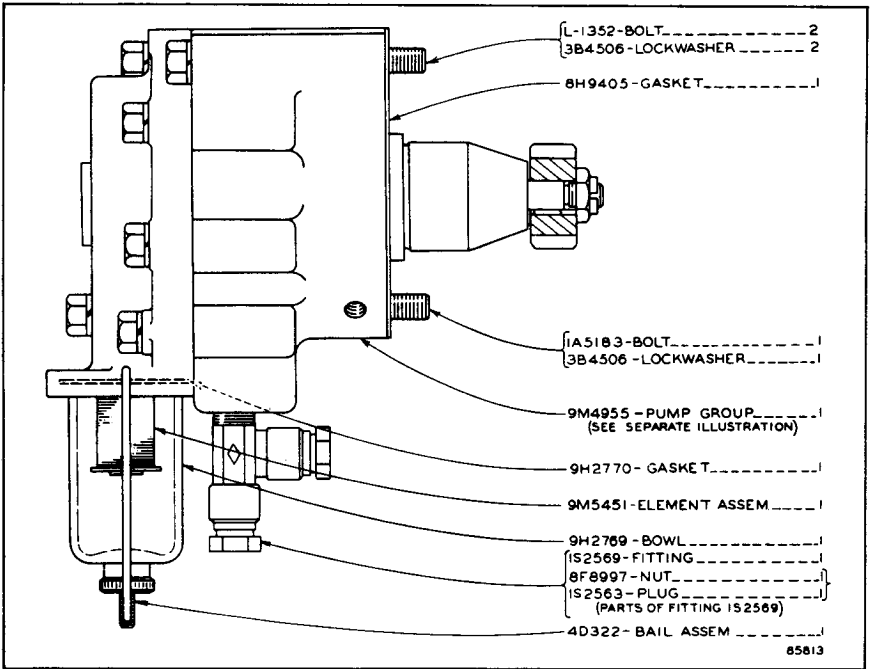


FUEL TRANSFER PUMP AND FILTER
 Serial No. 78A1 to 78A715 inclusive

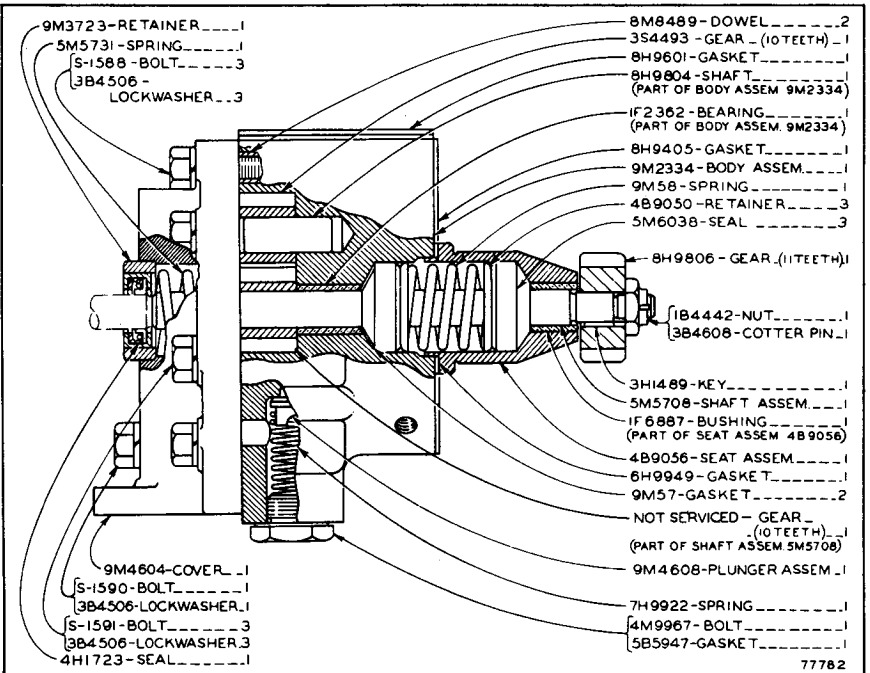


1S4650 FUEL PRIMING PUMP GROUP
 Effective with Serial No. 78A3369
 9H2256 Pump parts are shown on Page 132

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

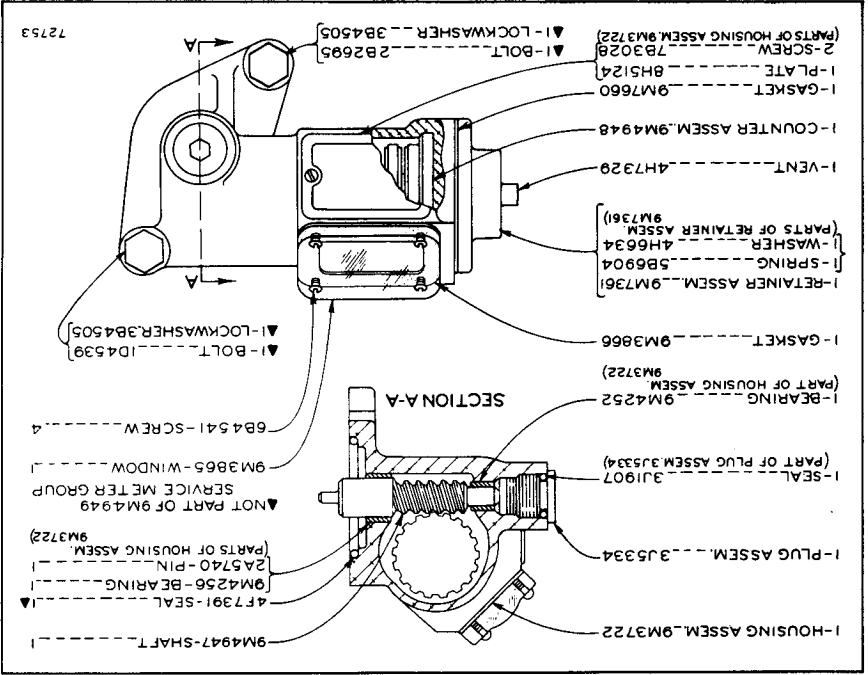
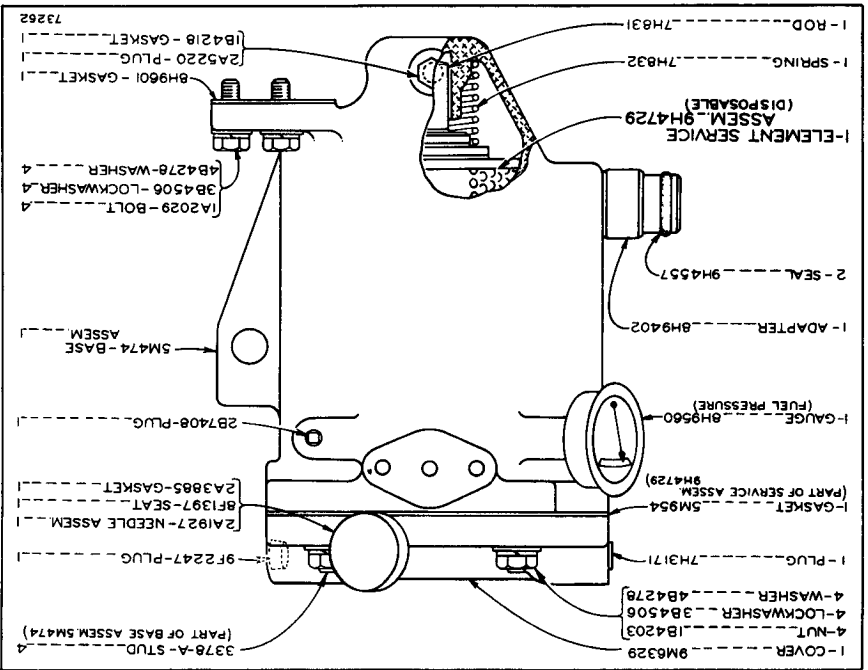


FUEL TRANSFER PUMP AND FILTER
 Effective with Serial No. 78A716



9M4955 FUEL TRANSFER PUMP GROUP
 Part of Fuel Transfer Pump and Filter

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

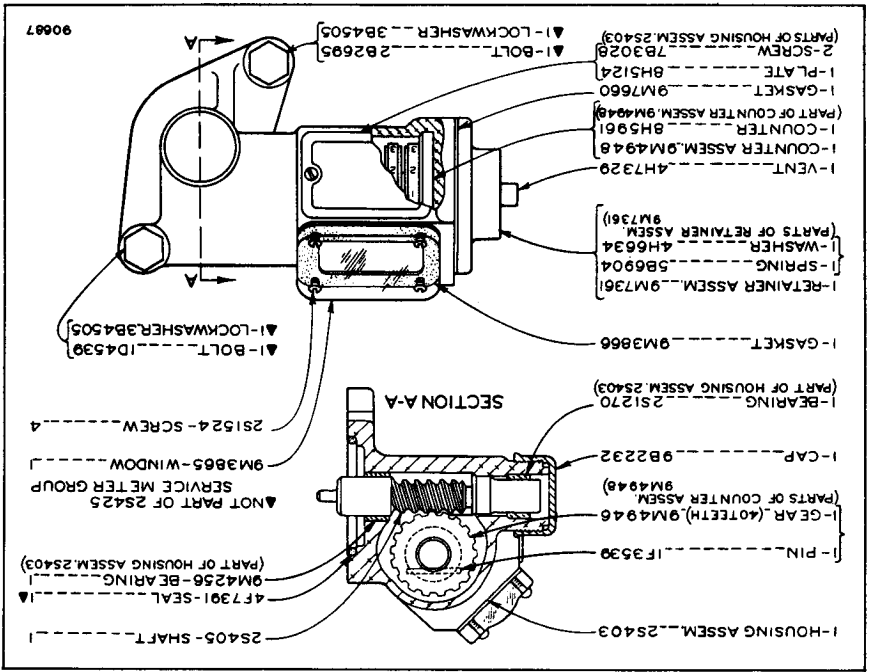


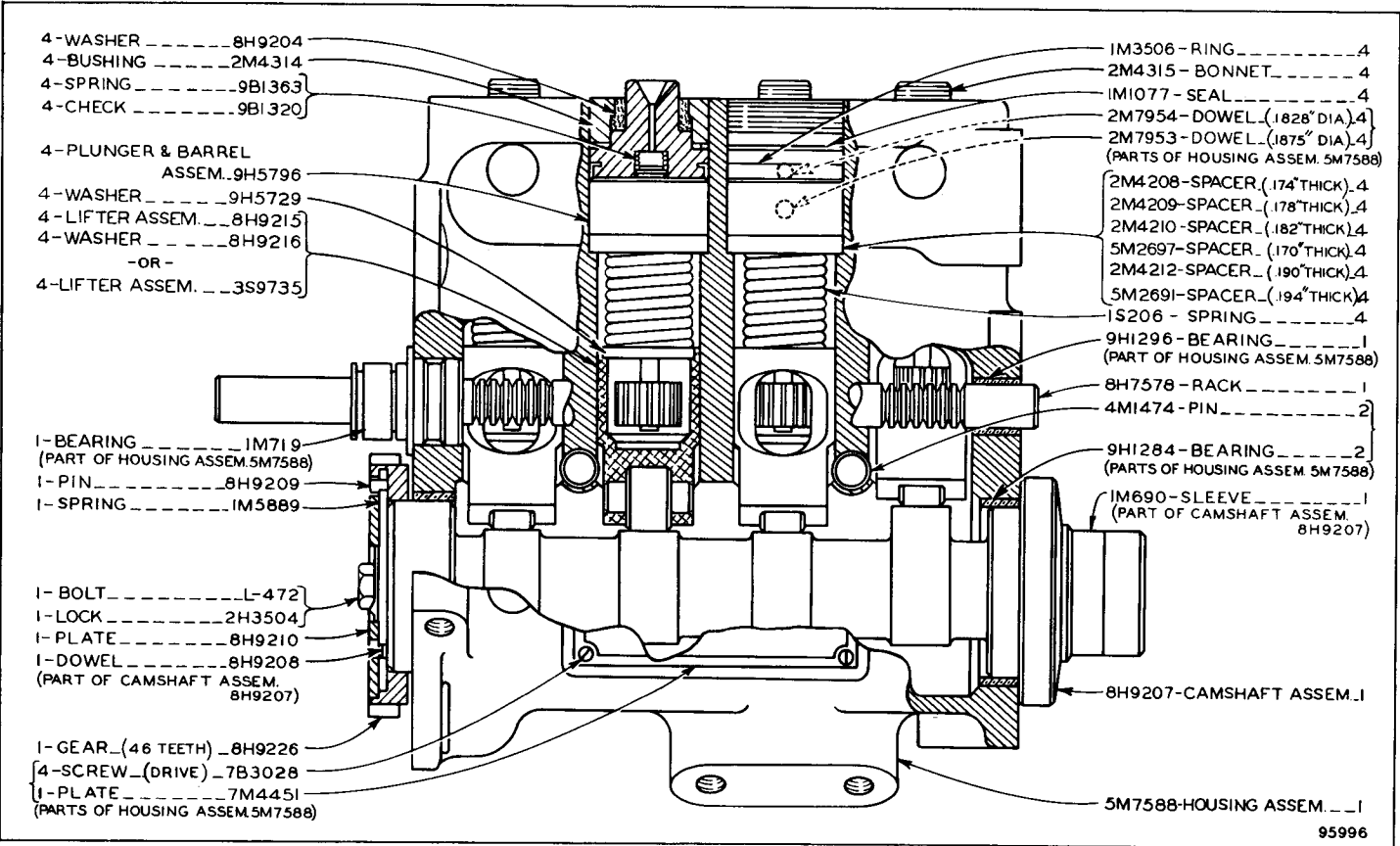
Serial No. 78A1 to 78A2468, 78A2471 to 78A2475, 78A2481, 78A2488 to 78A2490, 78A2503 to 78A2505, 78A2509, 78A2511 to 78A2513, 78A2519 and 78A2538 inclusive
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

72753

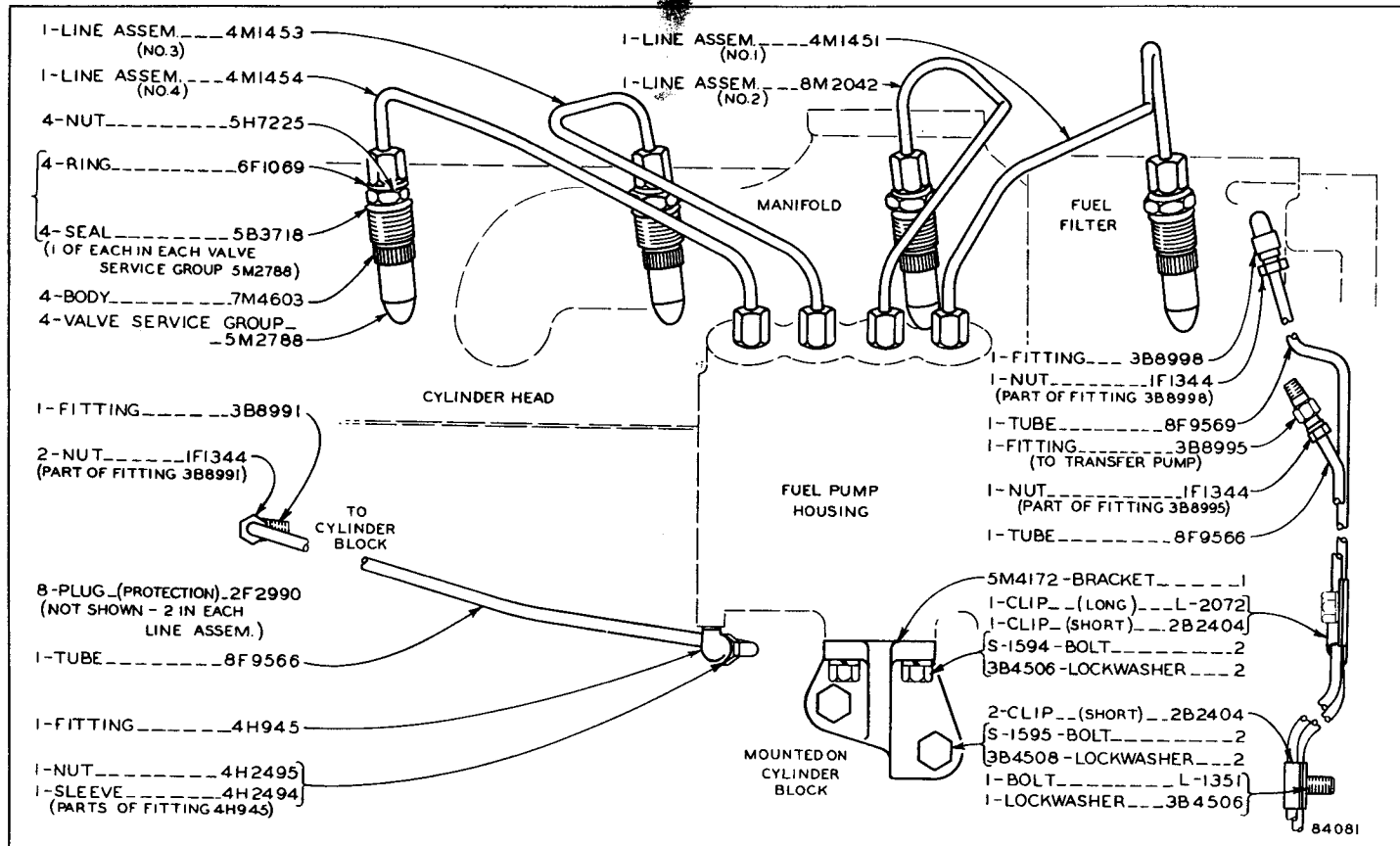
Serial No. 78A2469, 78A2470, 78A2476 to 78A2480, 78A2482 to 78A2487, 78A2491 to 78A2502, 78A2506 to 78A2508, 78A2510, 78A2514 to 78A2518, 78A2520 to 78A2537 and 78A2539—Up

25425 SERVICE METER GROUP





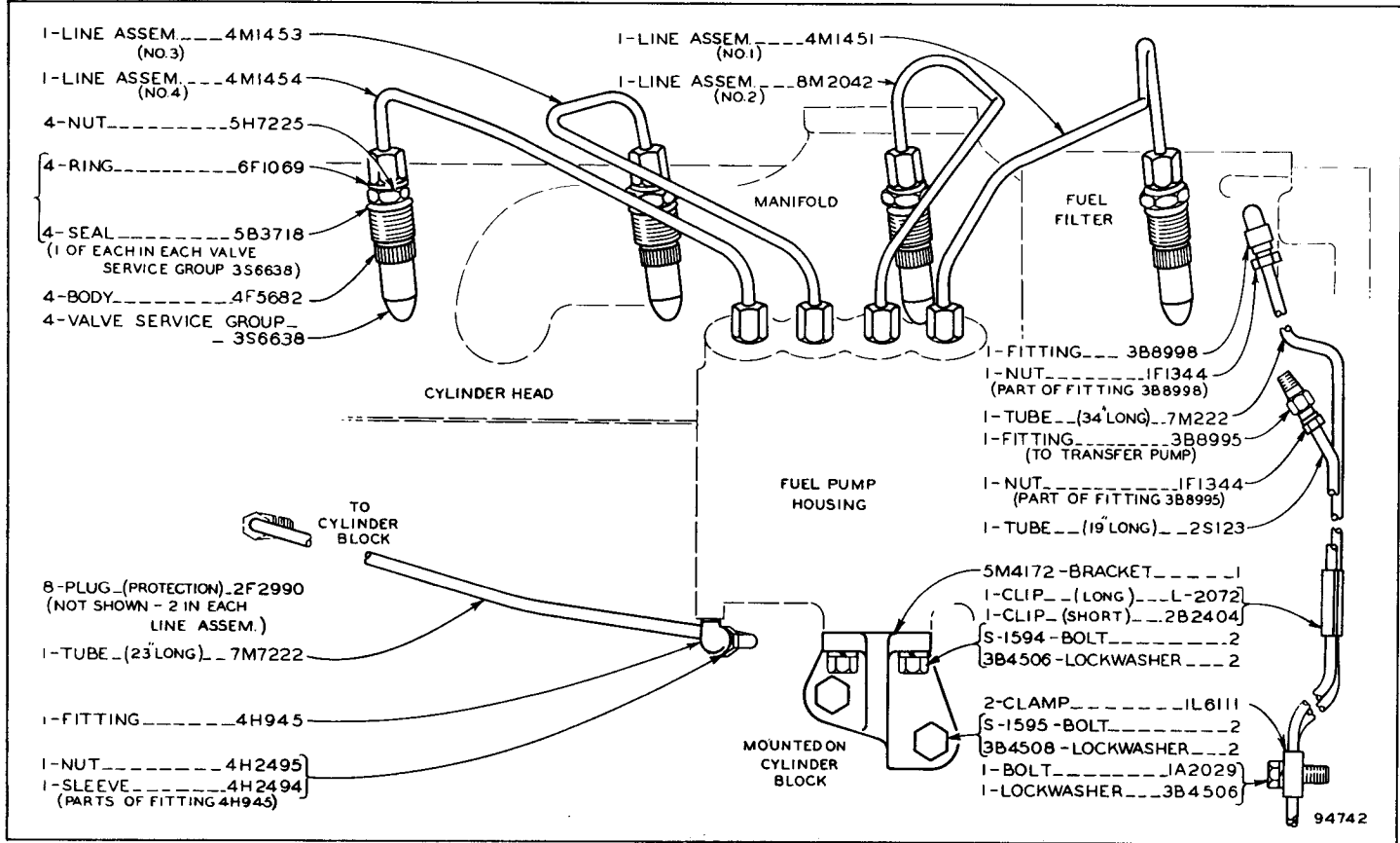
9H3627 FUEL PUMP HOUSING GROUP
 Part of Fuel Pump and Governor shown on Page 29



84081

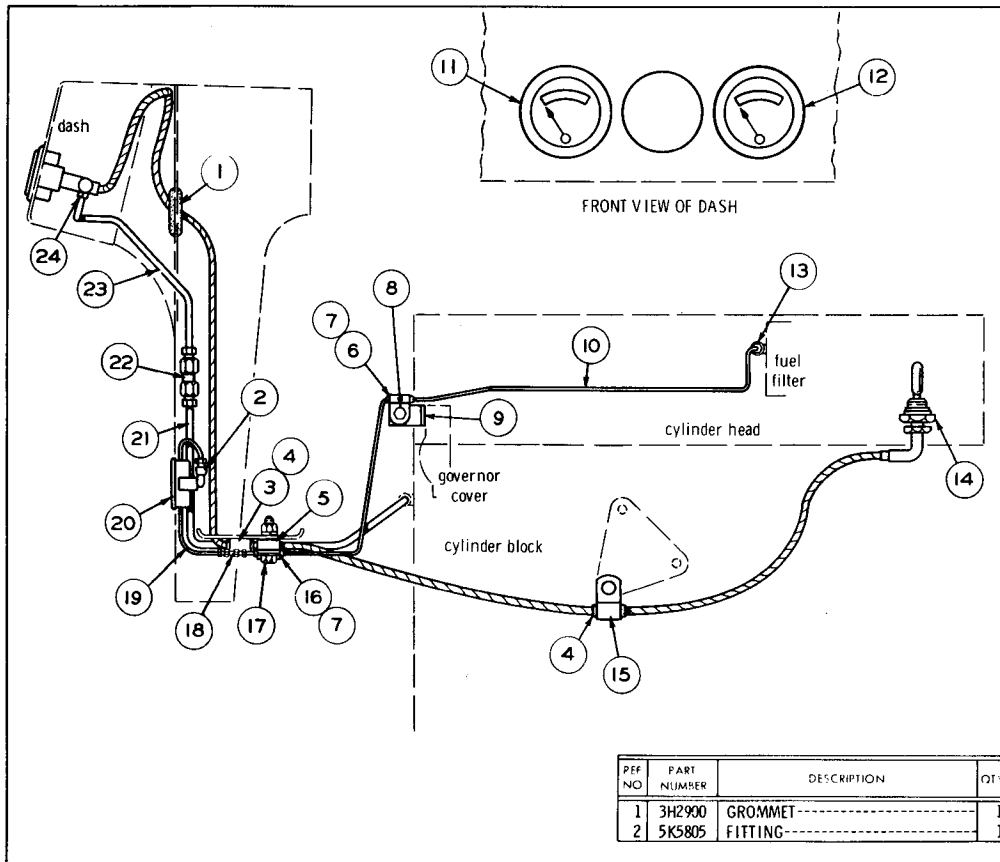
FUEL INJECTION VALVES AND LINES

Serial No. 78A1 to 78A1672, 78A1675 to 78A1680, 78A1683 to 78A1685, 78A1699 to 78A1701 and 78A1710 inclusive



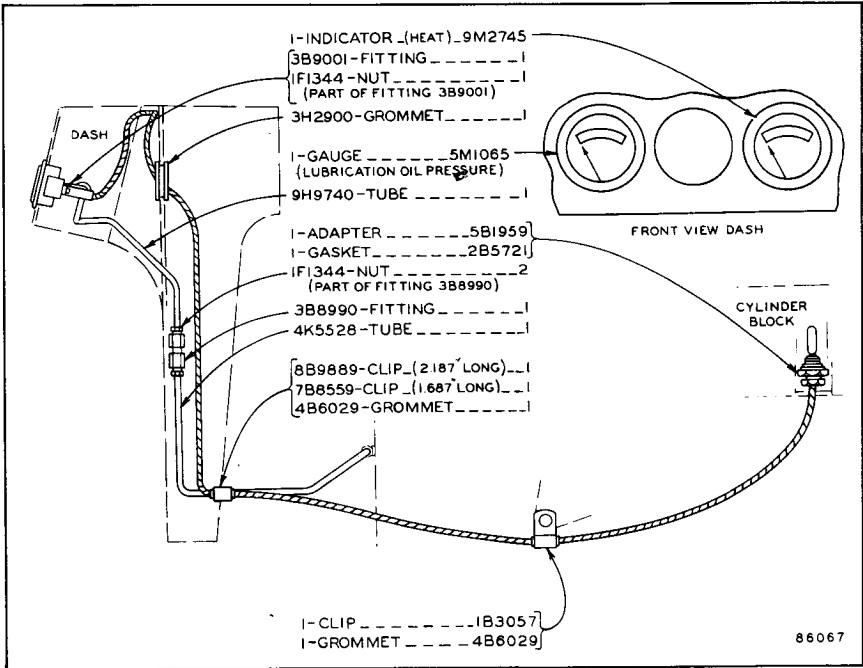
FUEL INJECTION VALVES AND LINES

Serial No. 78A1673, 78A1674, 78A1681, 78A1682, 78A1686 to 78A1698, 78A1702 to 78A1709 and 78A1711—Up

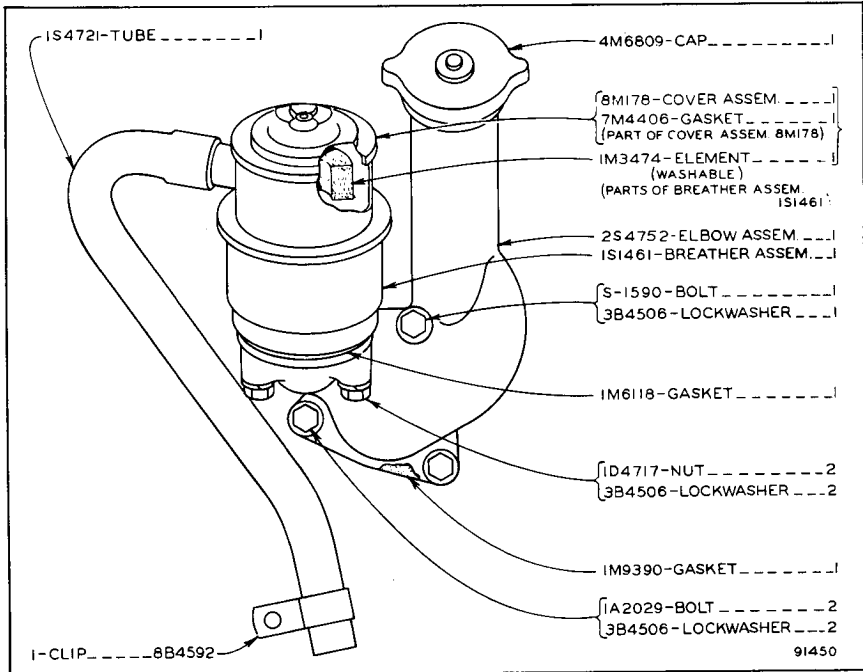


OIL PRESSURE GAUGE AND HEAT INDICATOR
Effective with Serial No. 78A4064

REF NO	PART NUMBER	DESCRIPTION	QTY
3	8B9889	CLIP	1
	7B8559	CLIP	1
4	4B6029	GROMMET	2
5	5F7207	SPACER	1
6	L-2072	CLIP	1
7	3D5102	GROMMET	2
	L-1351	BOLT	1
8	1D4717	NUT	1
	3B4506	LOCKWASHER	1
	8M3622	BRACKET	1
10	5K5754	TUBE----- (33" Long)	1
		(Ref. No. 19 to Fuel Filter)	
11	5M1065	GAUGE-(Lubrication Oil Pressure)-	1
12	9M2745	HEAT INDICATOR	1
13	8H6912	FITTING	1
14	5B1959	ADAPTER	1
	2B5721	GASKET	1
15	1B3057	CLIP	1
16	7M873	CLIP	1
17	S-1587	BOLT	1
	1D4719	NUT	1
18	3B4508	LOCKWASHER	1
	2D9885	UNION	1
	8H6913	NUT	2
19	5K3282	TUBE----- (15" Long)	1
		(Ref. No. 20 to Ref. No. 10)	
20	3H3344	GAUGE----- (Fuel Pressure)	1
21	4K5528	TUBE----- (27" Long)	1
		(Ref. No. 23 to Cylinder Block)	
22	3B8990	FITTING	1
	1F1344	NUT	2
23	9H9740	TUBE----- (17.42" Long)	1
		(Ref. No. 11 to Ref. No. 21)	
24	3B9001	FITTING	1
	1F1344	NUT	1
		(Part of 3B9001 Fitting)	

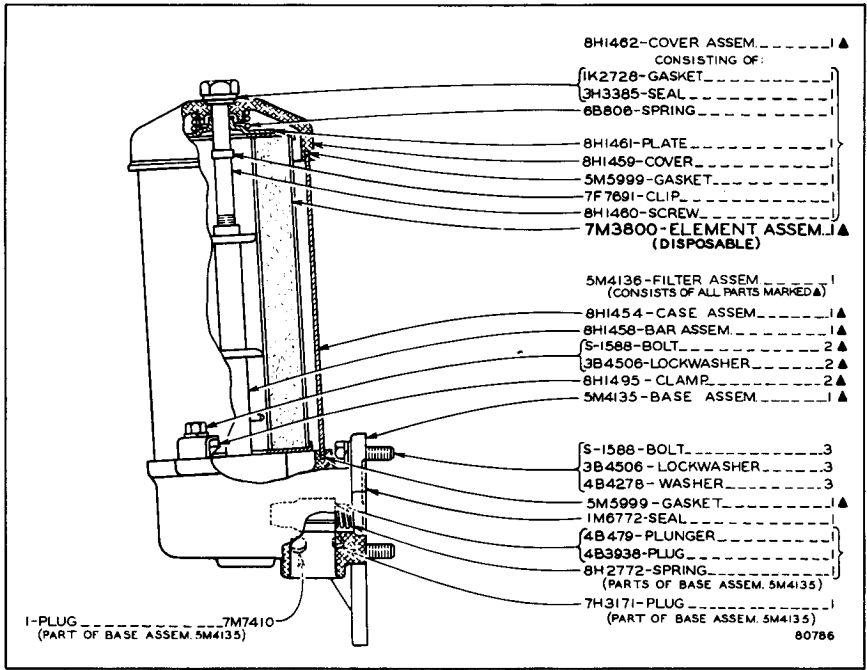


OIL PRESSURE GAUGE AND HEAT INDICATOR
 Serial No. 78A1 to 78A4063 inclusive

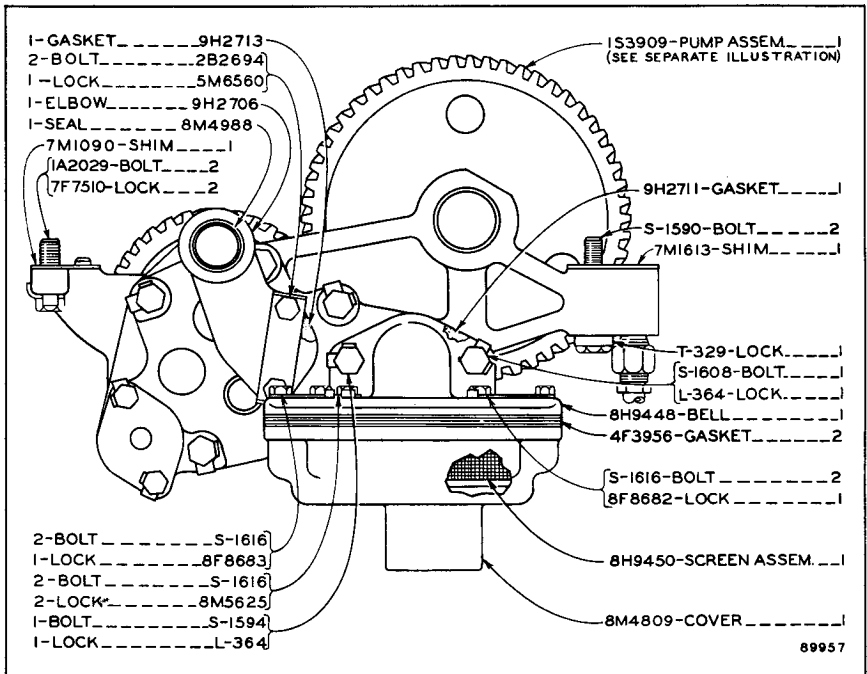


BREATHER AND OIL FILLER

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



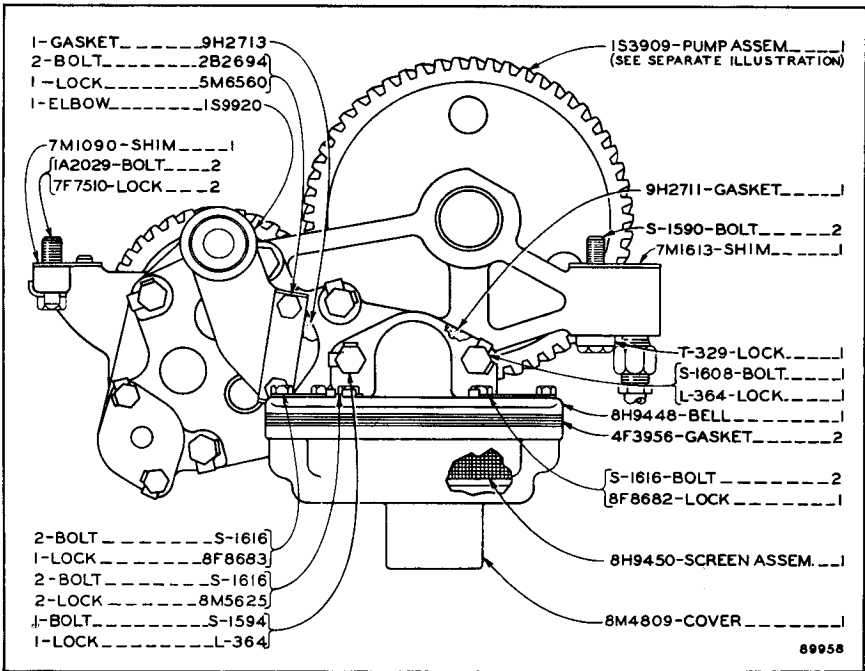
OIL FILTER



OIL PUMP

Serial No. 78A1 to 78A1757 inclusive
 1S3909 Pump Assembly parts are shown on Page 37

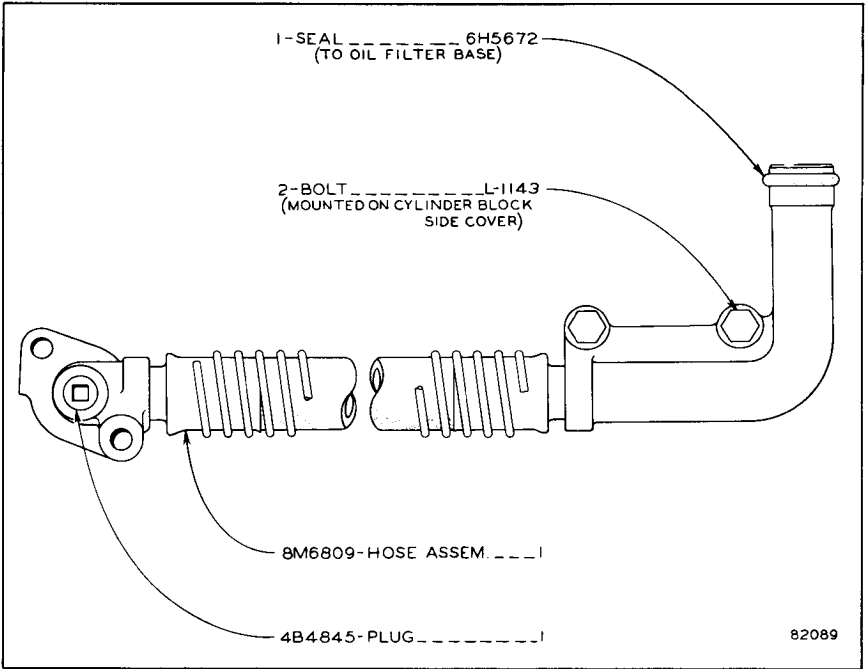
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



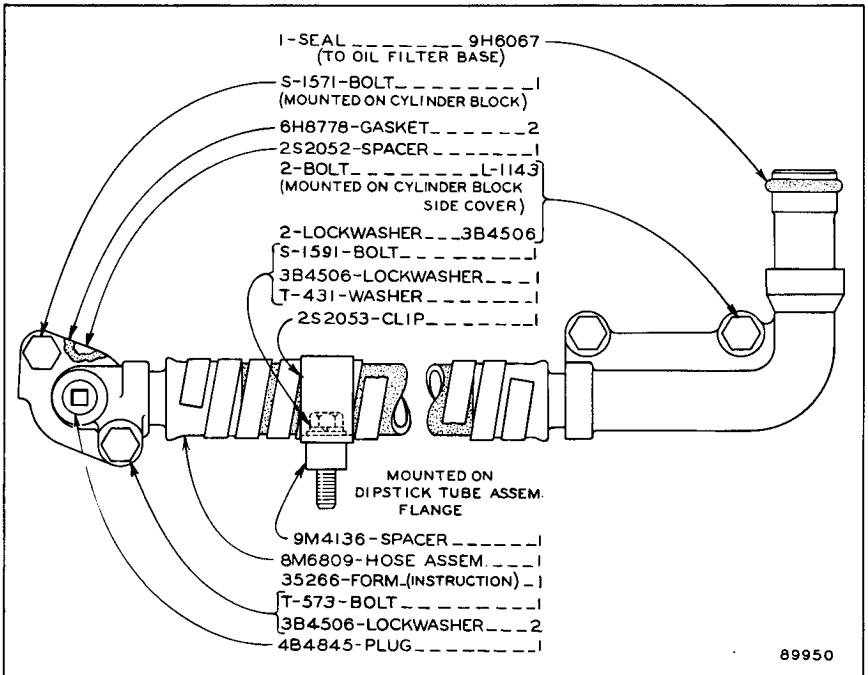
OIL PUMP

Effective with Serial No. 78A1758

1S3909 Pump Assembly parts are shown on Page 37

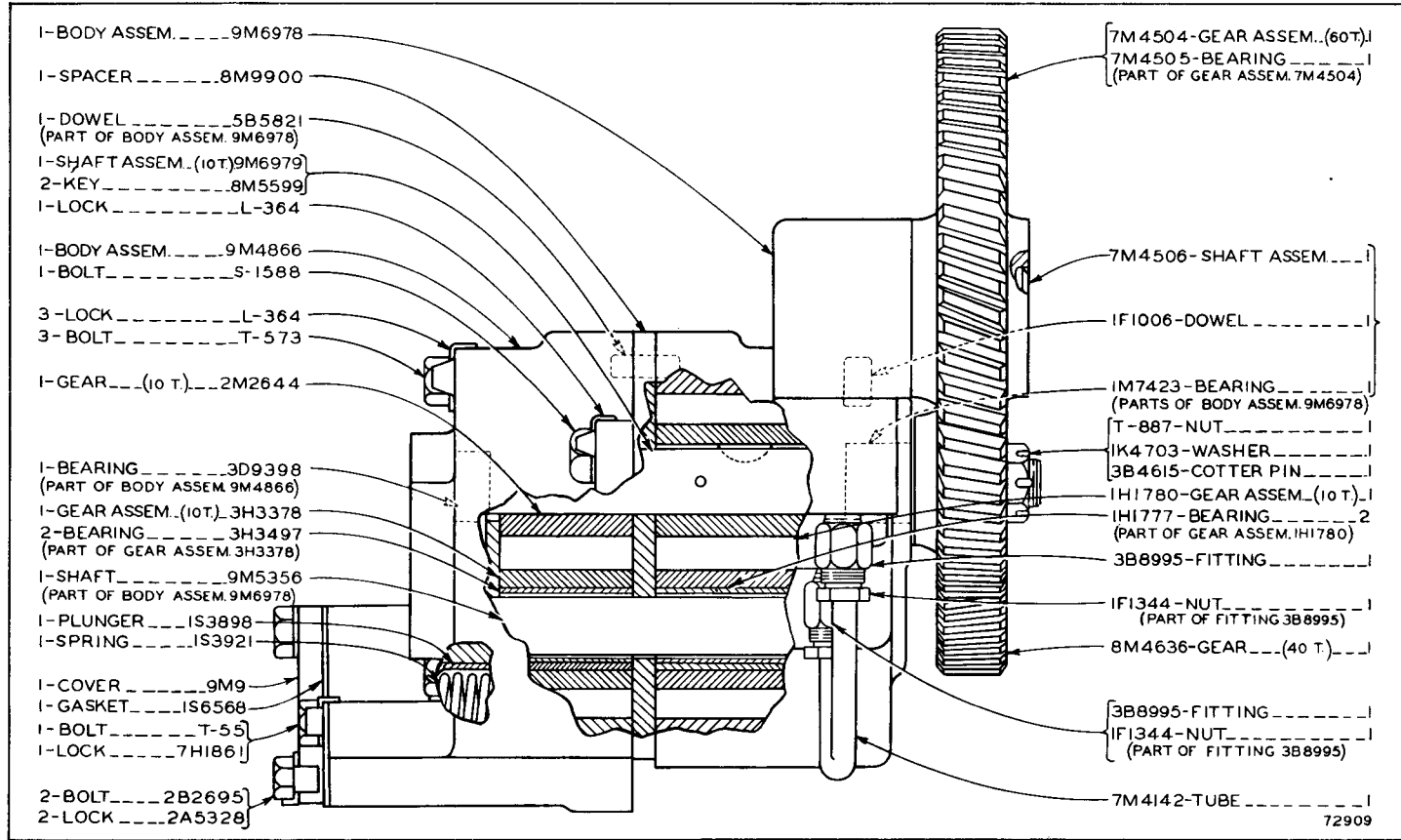


8M6996 OIL FILTER INLET HOSE GROUP—Field Installation—First Type

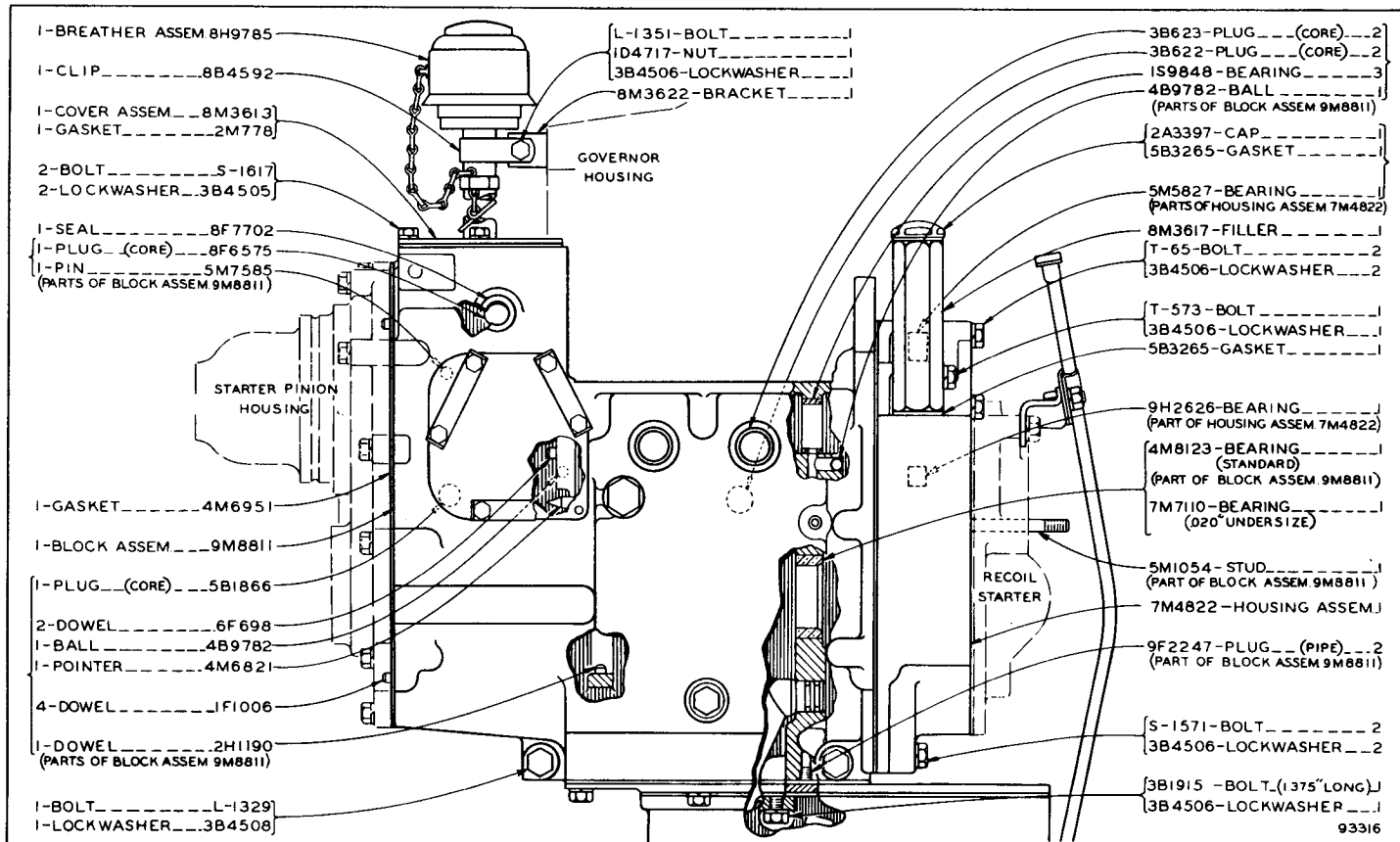


8M6996 OIL FILTER INLET HOSE GROUP—Field Installation—Second Type

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

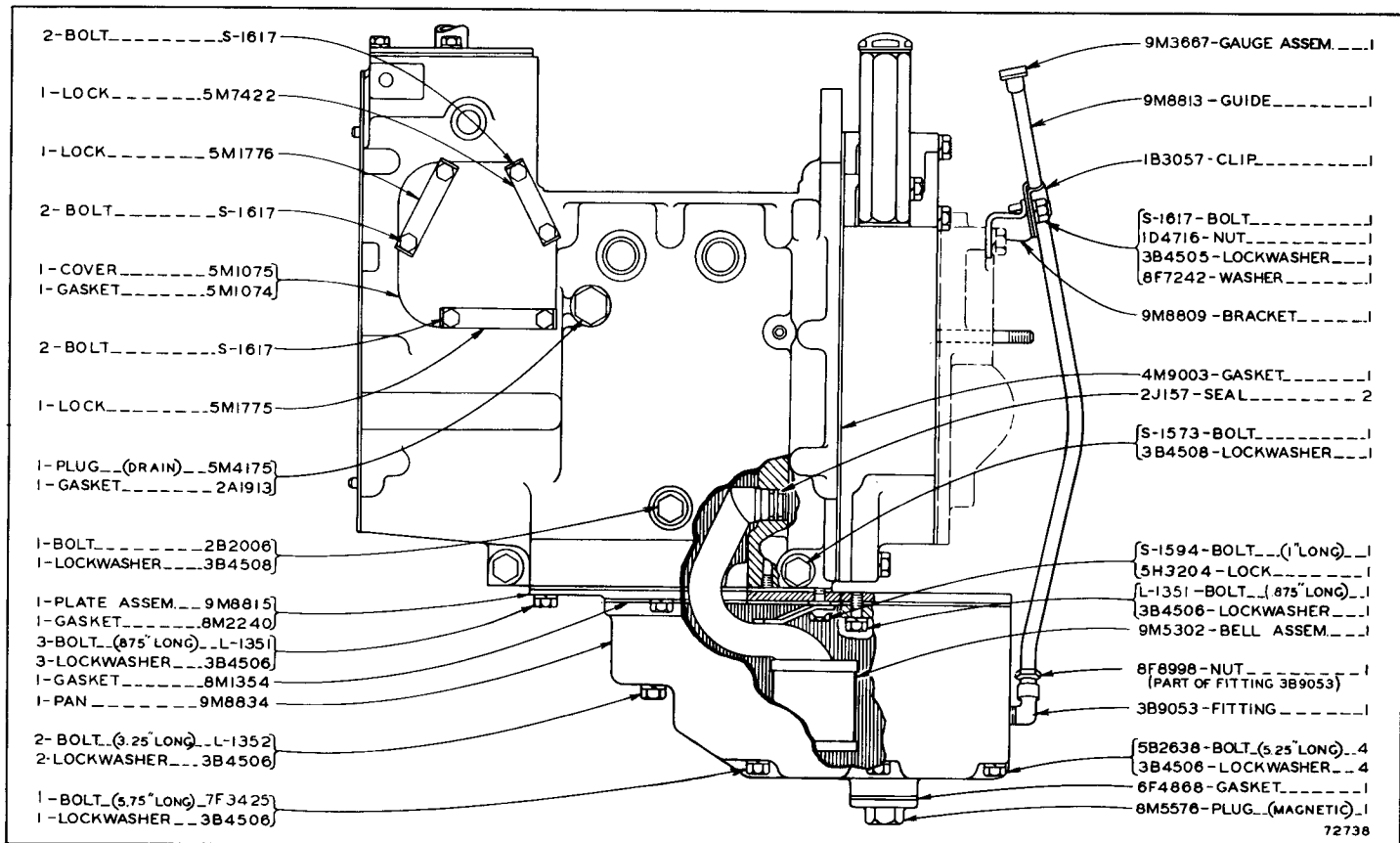


IS3909 OIL PUMP ASSEMBLY
 Part of Oil Pump



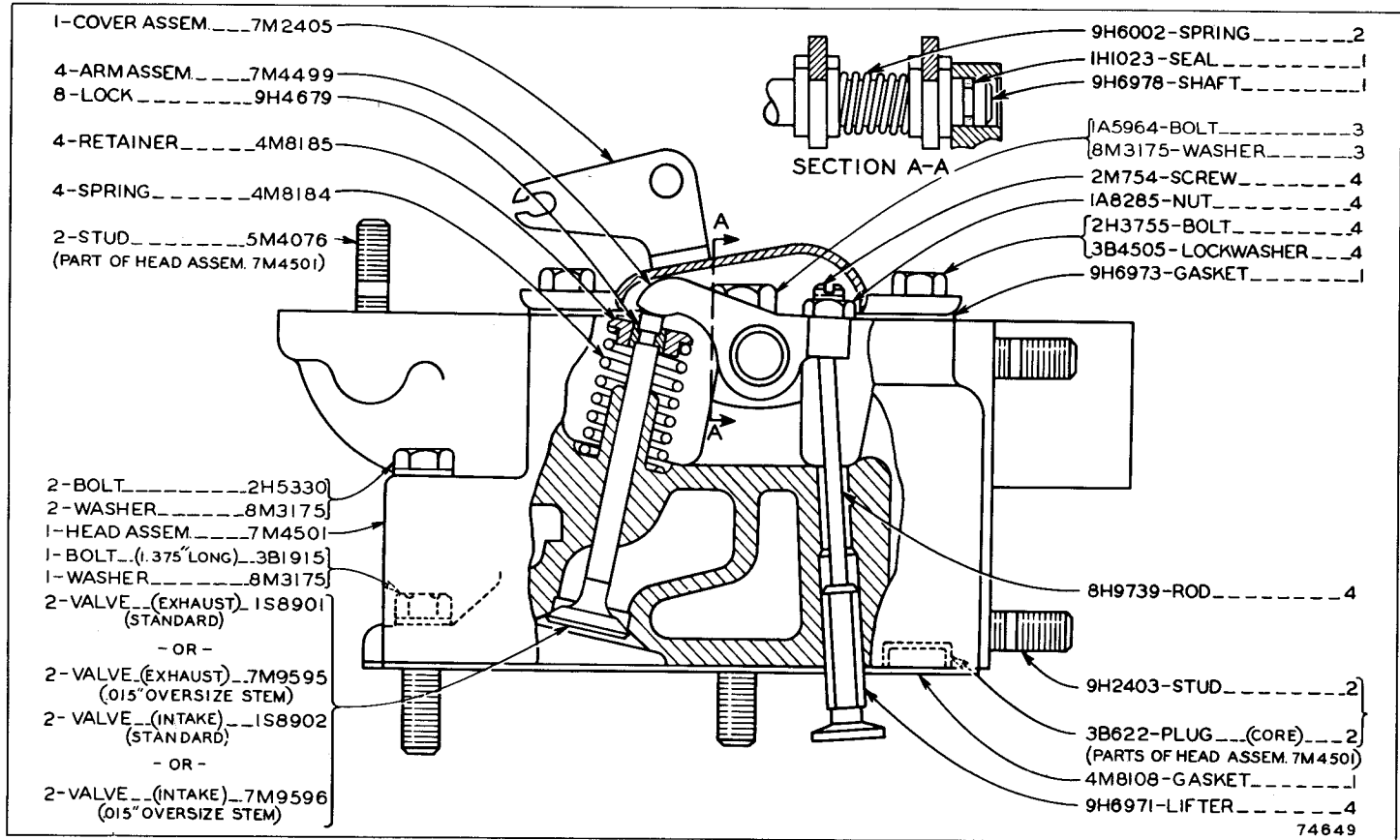
CYLINDER BLOCK AND COVERS—Part One

93316



72738

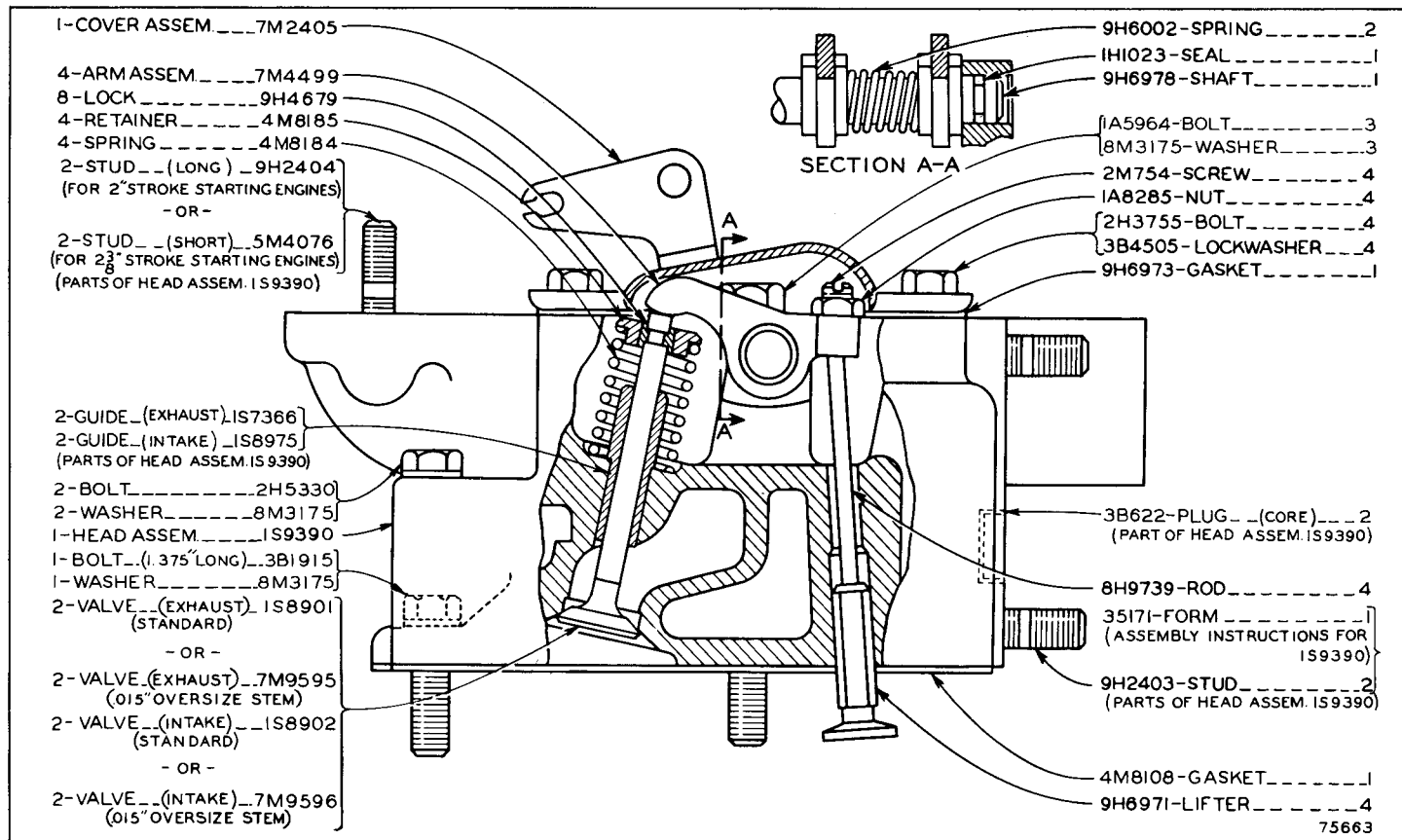
CYLINDER BLOCK AND COVERS—Part Two



CYLINDER HEAD AND VALVE MECHANISM

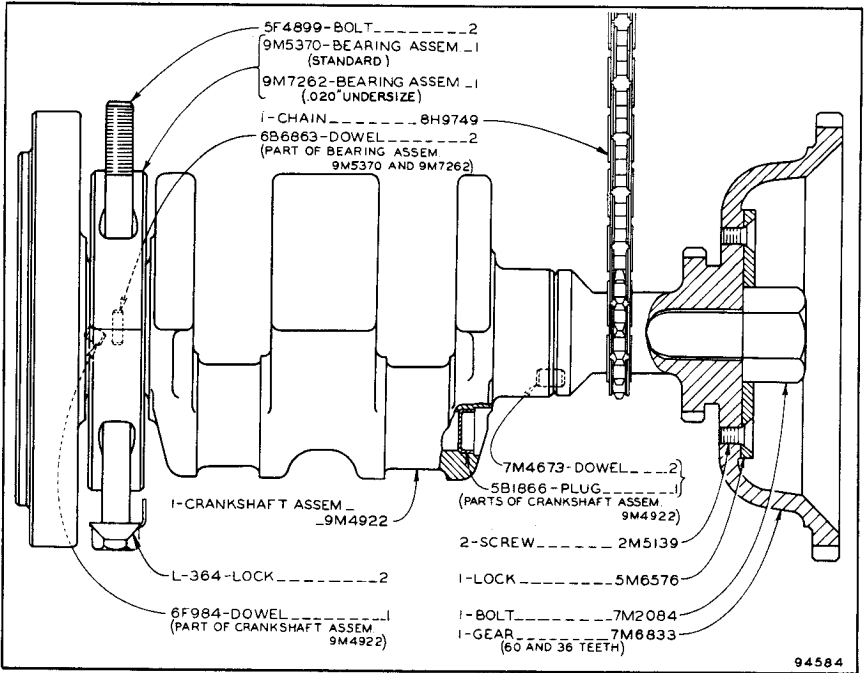
Serial No. 78A1 to 78A1821 inclusive

Refer also to Page 96 for special parts



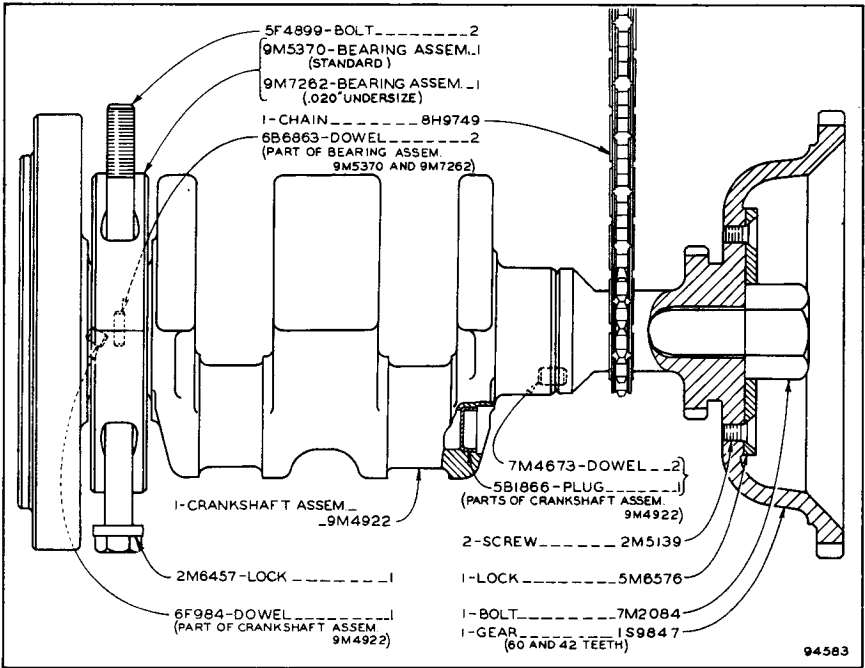
75663

CYLINDER HEAD AND VALVE MECHANISM
 Effective with Serial No. 78A1822—Up and Starting Engine Block No. E8938—Up
 Refer also to Page 96 for special parts



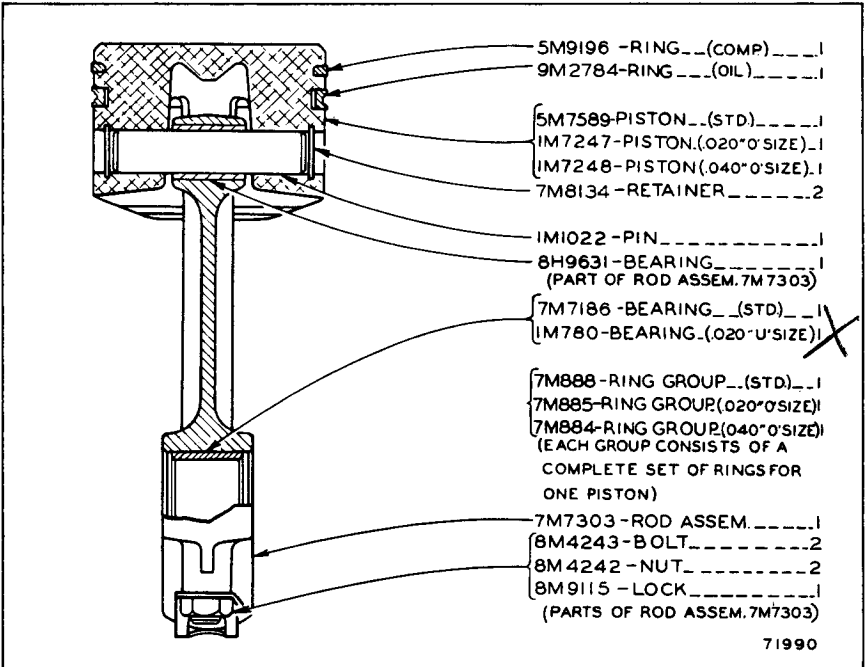
CRANKSHAFT

Serial No. 78A1 to 78A1464 inclusive



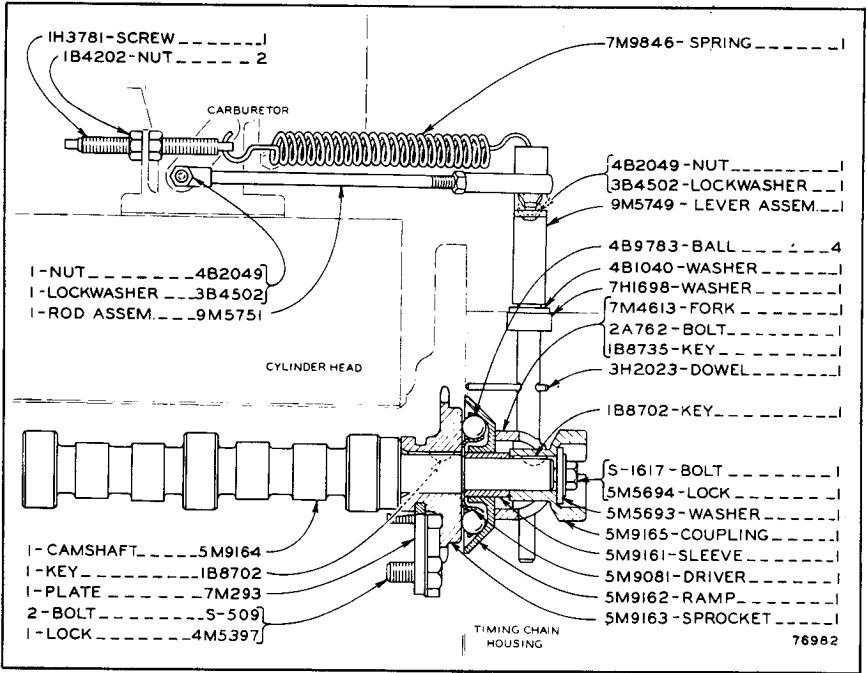
CRANKSHAFT

Effective with Serial No. 78A1465—Up and Starting Engine Block No. E8352—Up



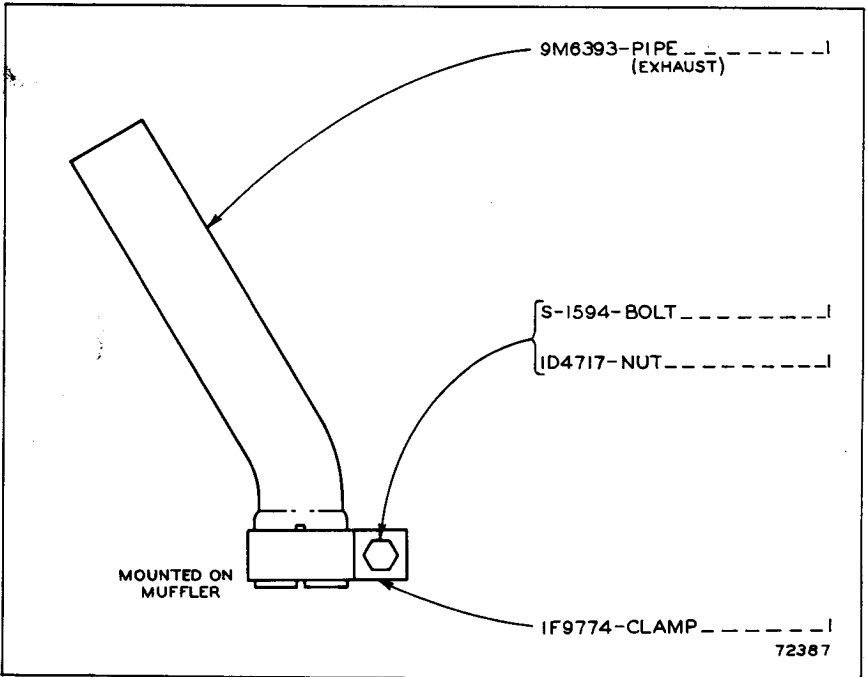
CONNECTING ROD AND PISTON—2 Required

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



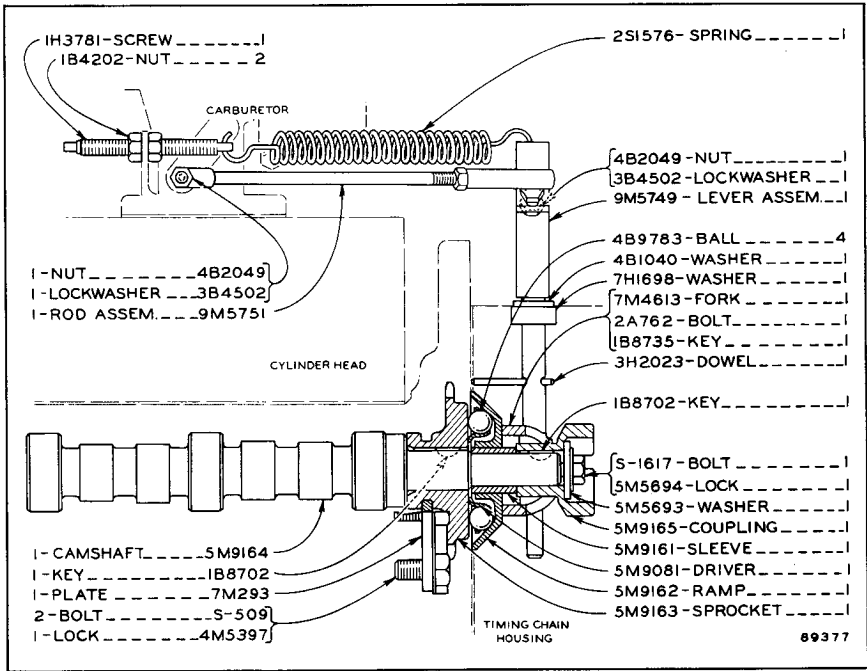
CAMSHAFT AND GOVERNOR

Serial No. 78A1 to 78A1481, 78A1523, 78A1530 and 78A1531 inclusive



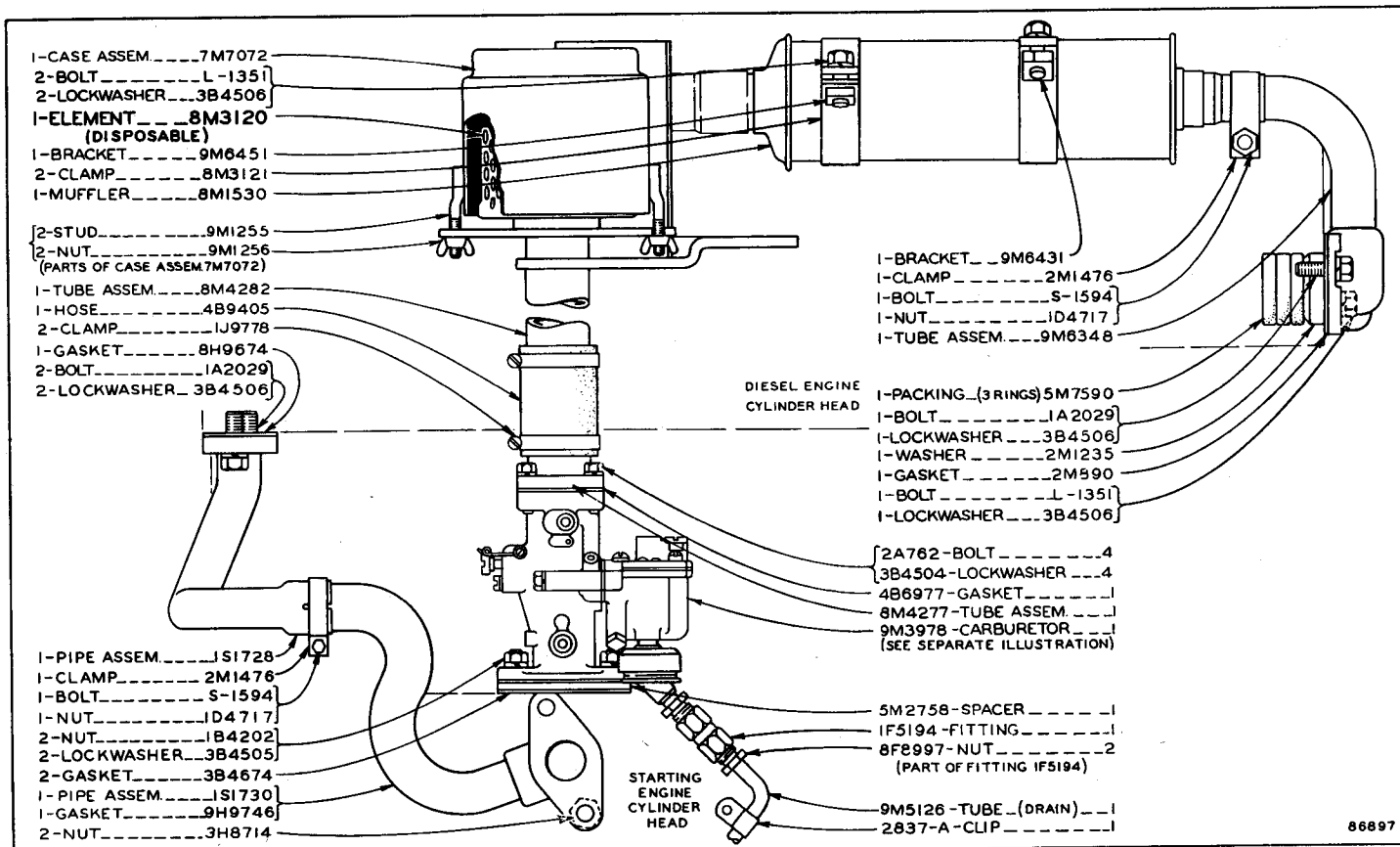
EXHAUST EXTENSION

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



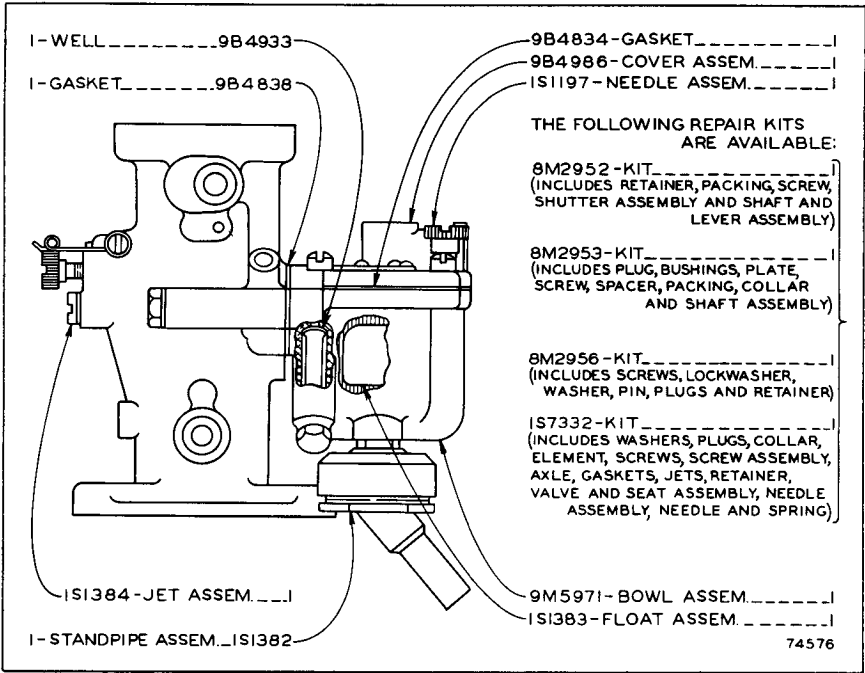
CAMSHAFT AND GOVERNOR

Serial No. 78A1482 to 78A1522, 78A1524 to 78A1529 and 78A1532—Up and Starting Engine Block No. E8413



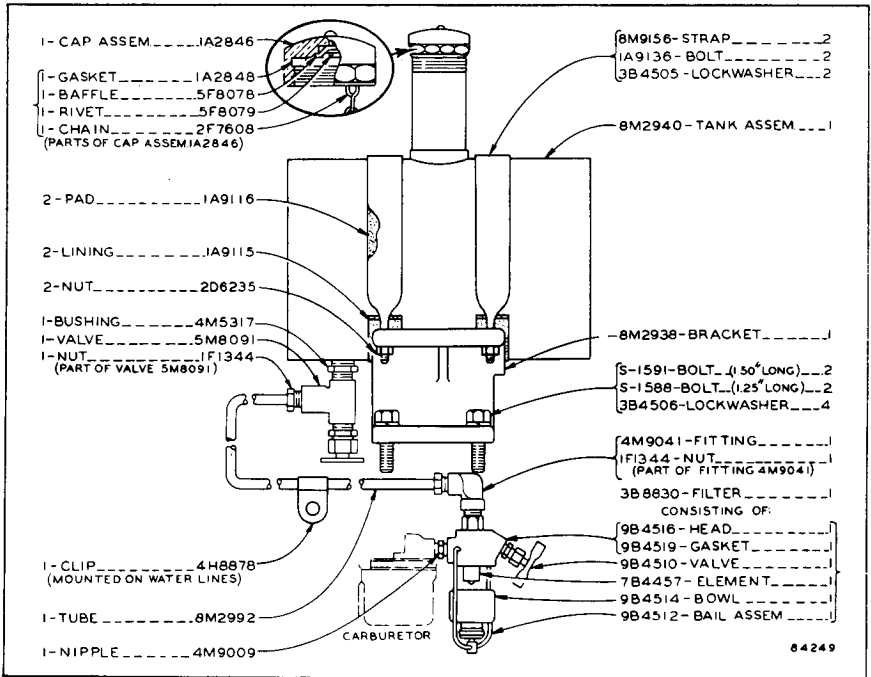
9M6429 MANIFOLD, CARBURETOR AND AIR CLEANER GROUP
 9M3978 Carburetor Assembly parts are shown on Page 44

86897



9M3978 CARBURETOR ASSEMBLY

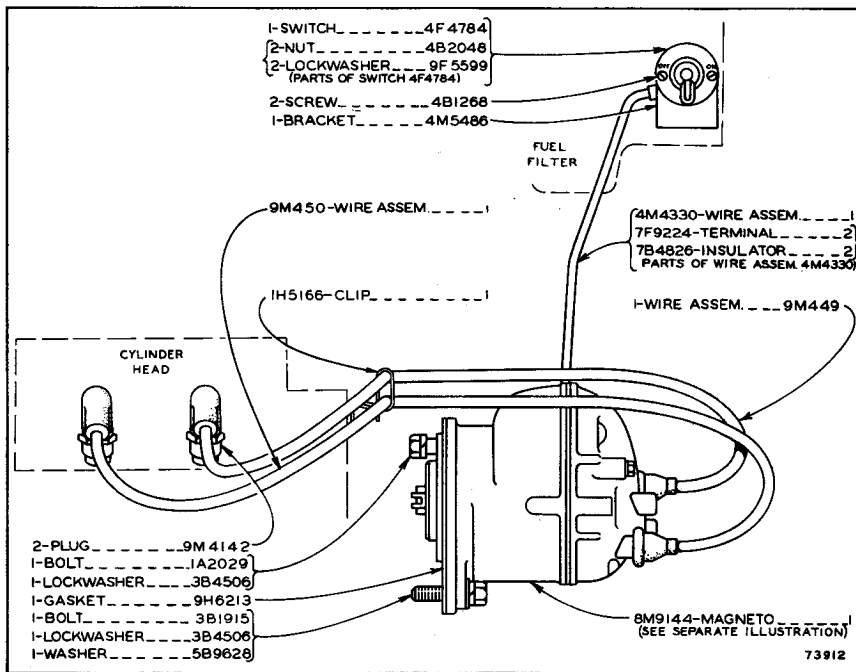
Part of 9M6429 Manifold, Carburetor and Air Cleaner Group shown on Page 43



9H3664 FUEL SYSTEM GROUP

Refer also to Page 96 for special parts

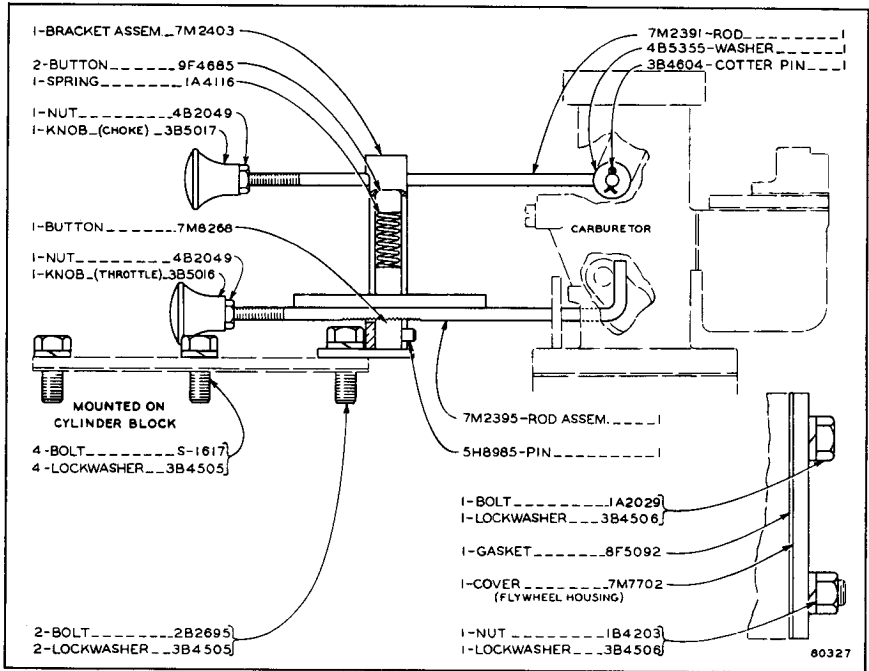
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



9H3663 IGNITION SYSTEM GROUP

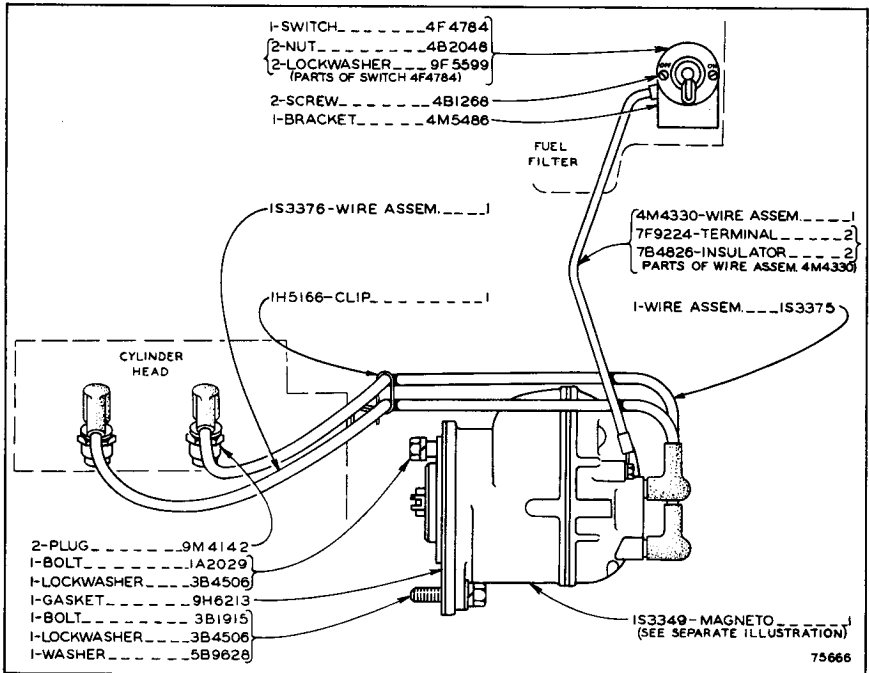
Serial No. 78A1 to 78A1765 inclusive

8M9144 Magneto Assembly parts are shown on Page 46



8M1519 CHOKE AND THROTTLE CONTROL GROUP

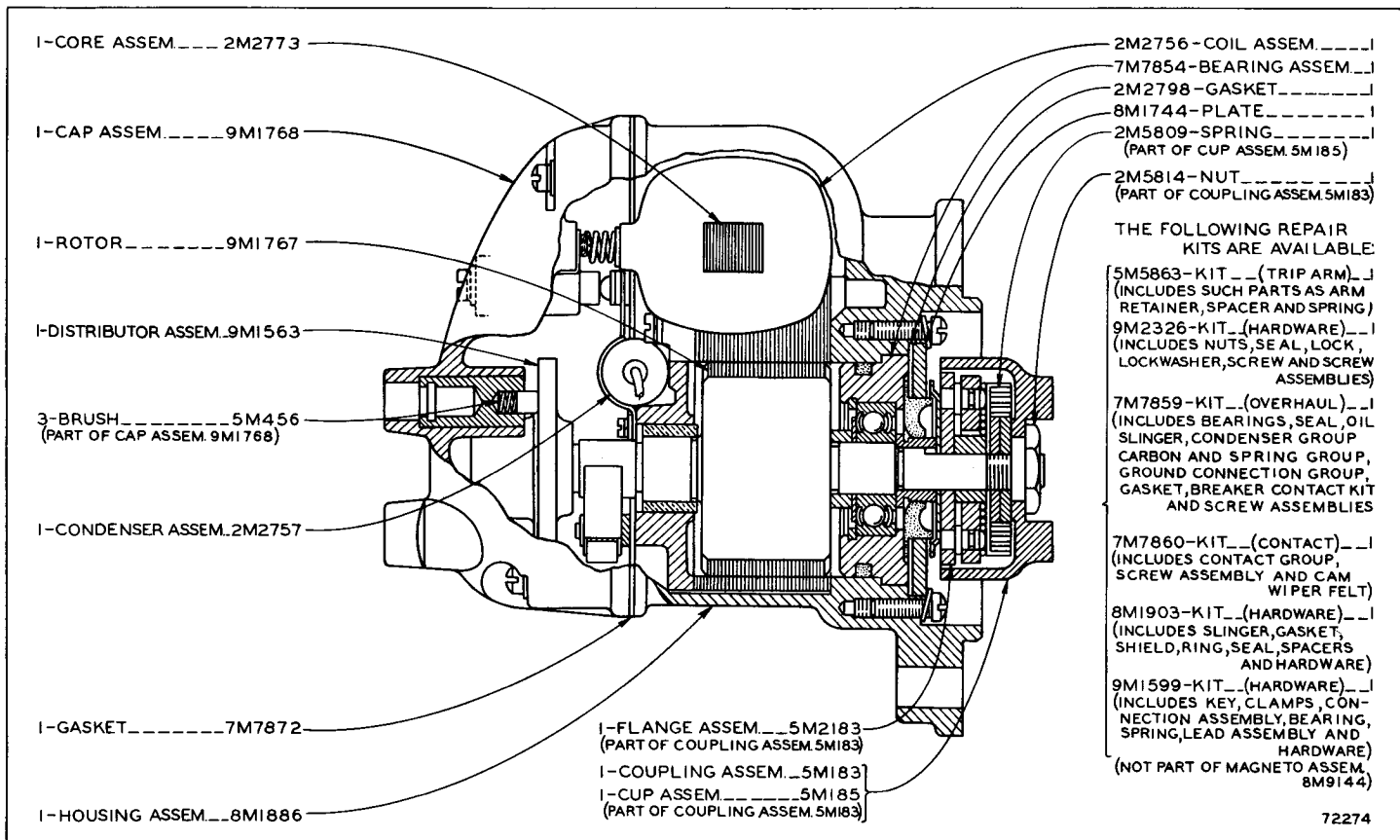
Refer also to Page 96 for special parts



9H3663 IGNITION SYSTEM GROUP

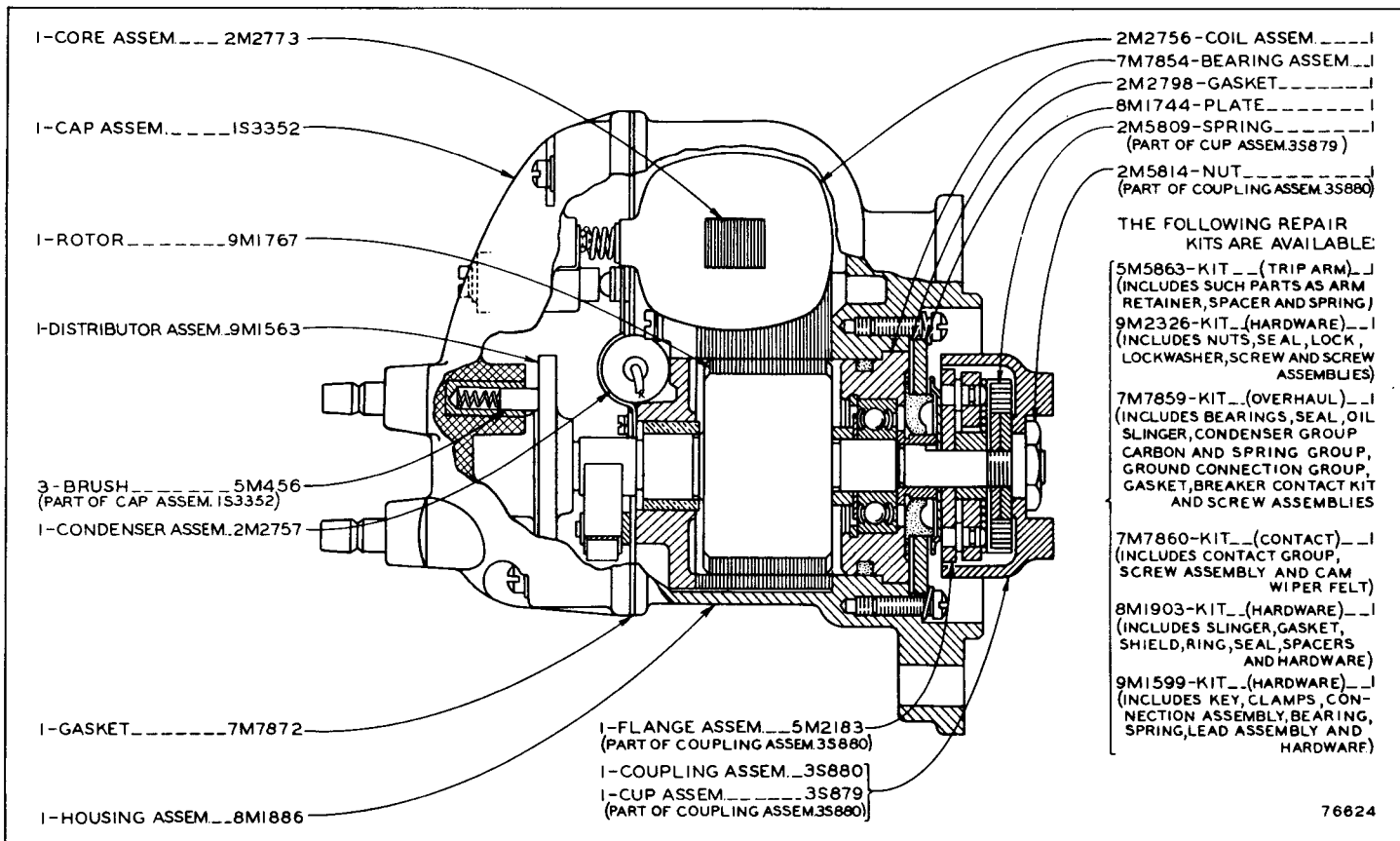
Effective with Serial No. 78A1766—Up and Starting Engine Block No. E8840—Up
 IS3349 Magneto Assembly parts are shown on Page 46A

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

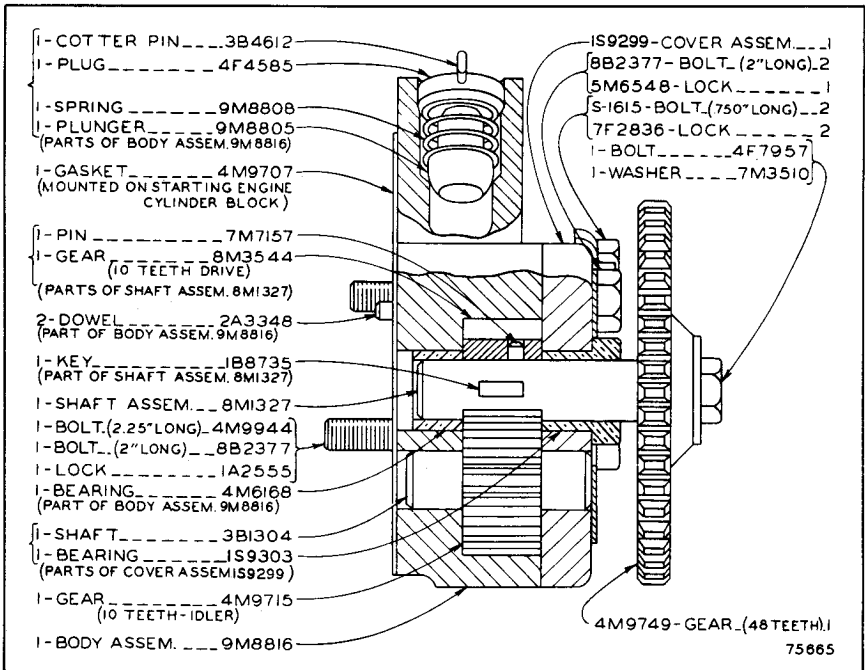


8M9144 MAGNETO ASSEMBLY

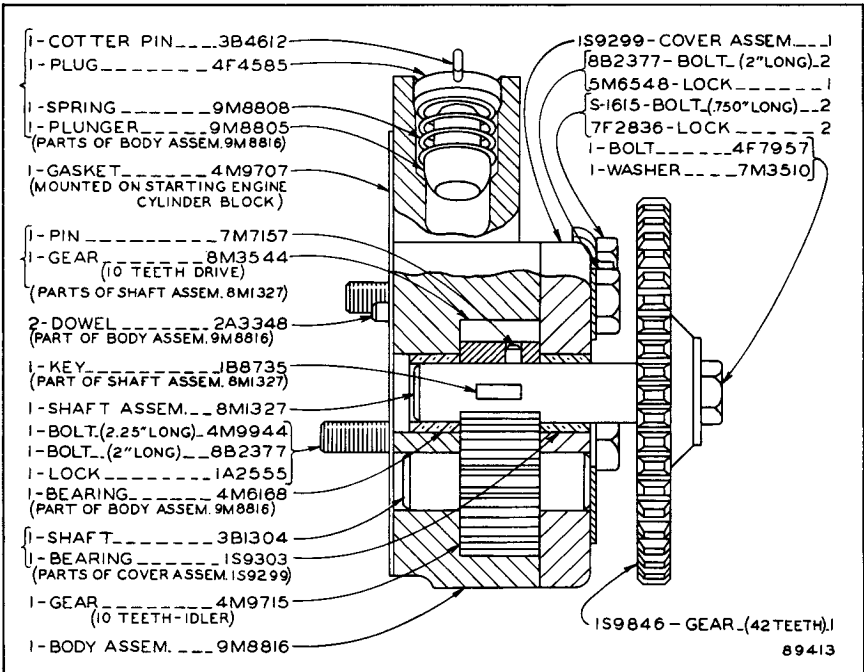
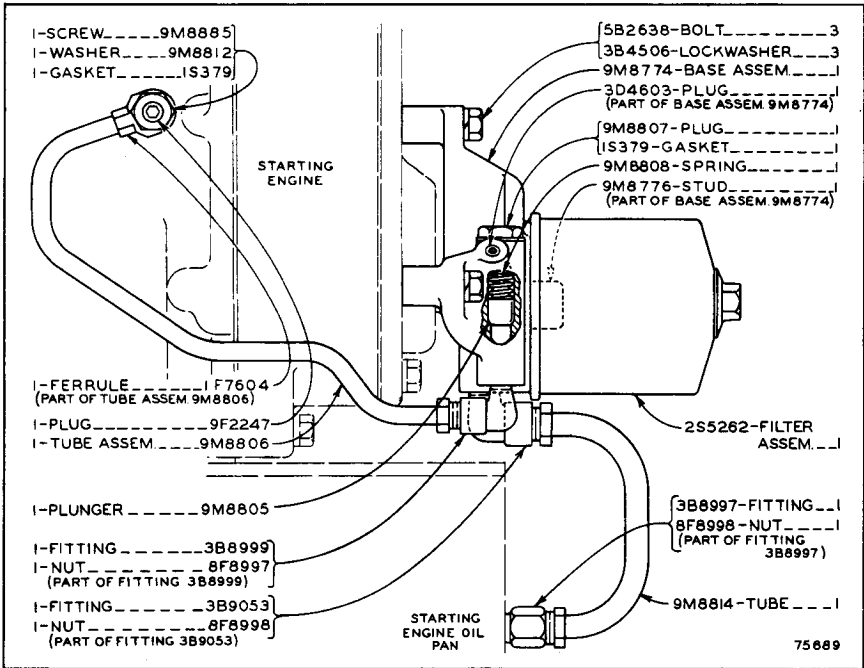
Part of 9H3663 Ignition System Group shown on Page 44A



IS3349 MAGNETO ASSEMBLY
 Part of 9H3663 Ignition System Group shown on Page 45

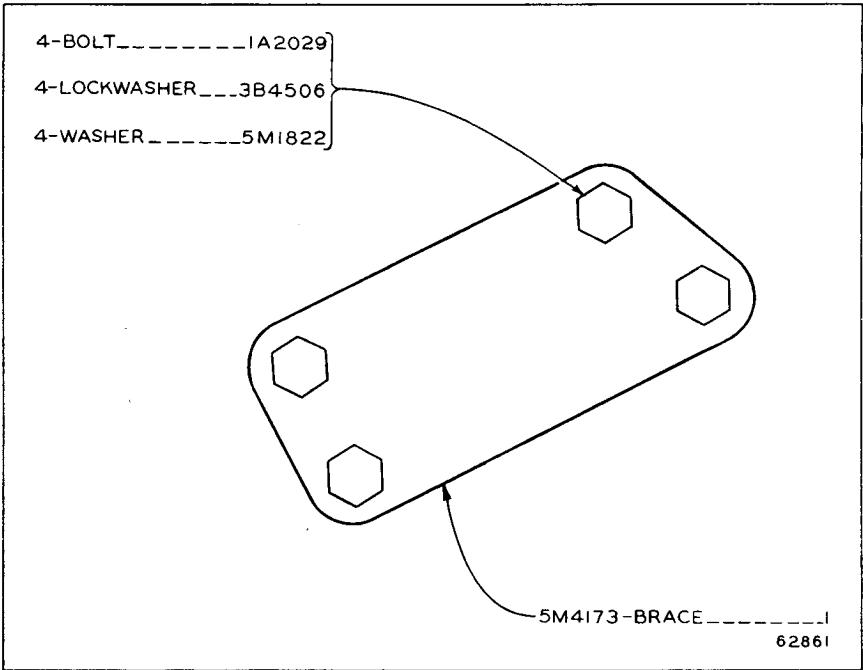


9M8803 OIL PUMP GROUP
 Serial No. 78A1 to 78A1464 inclusive

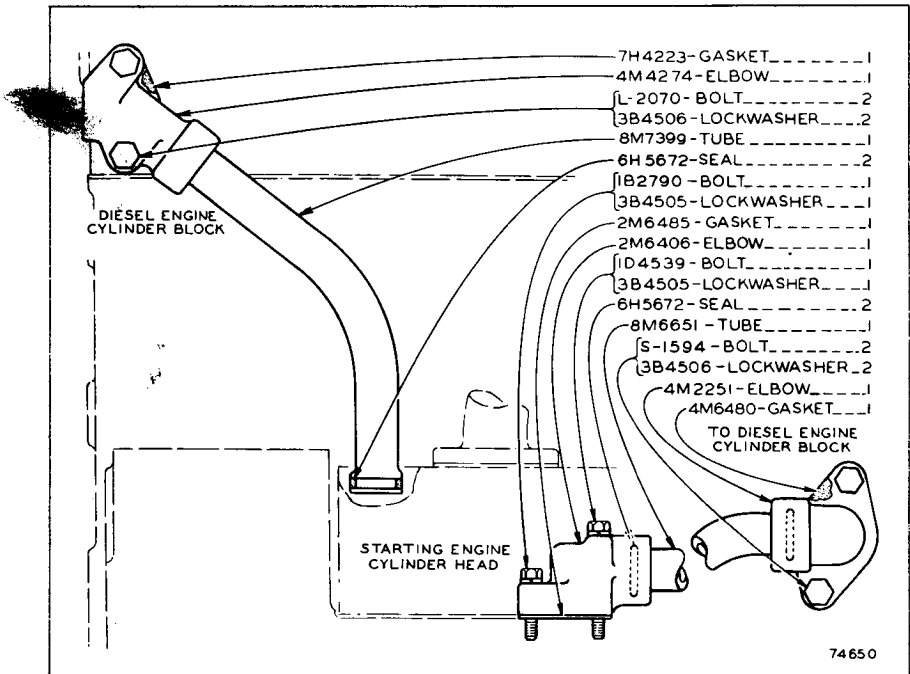


Effective with Serial No. 78A1465—Up and Starting Engine Block No. E8352—Up

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

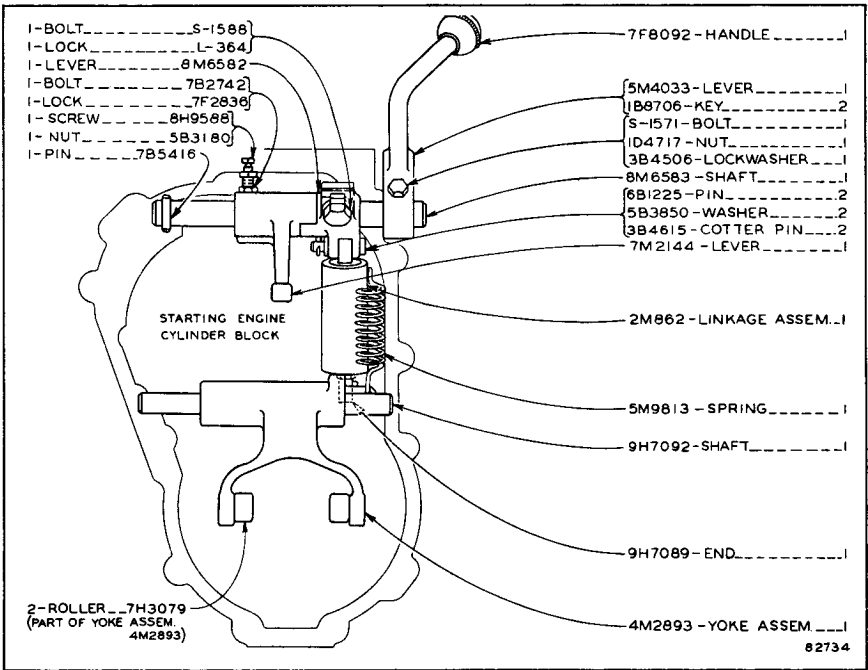


SUPPORT



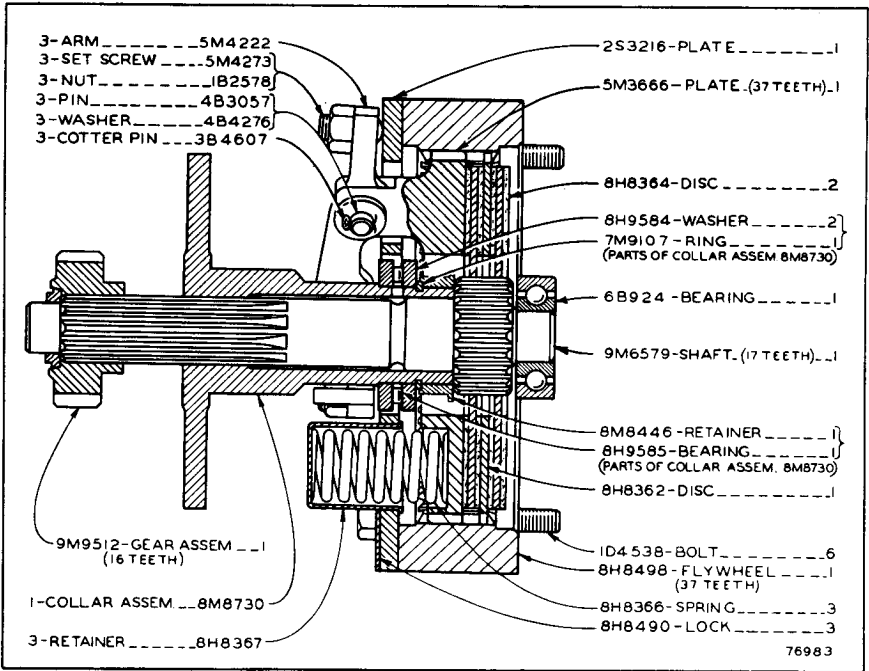
9H3667 WATER LINES GROUP

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

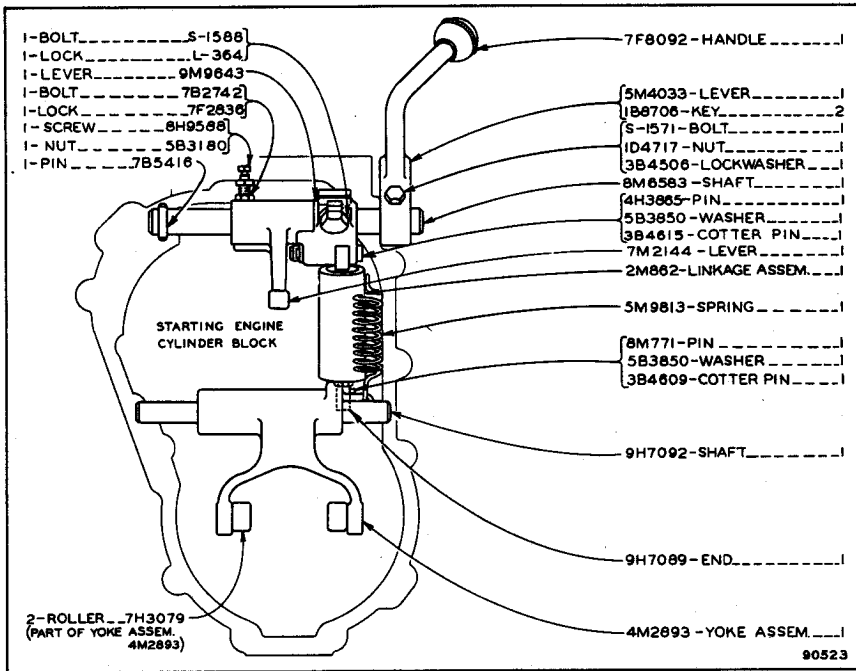


9H3655 CLUTCH, PINION AND BRAKE CONTROL GROUP

Serial No. 78A1 to 78A579 inclusive
 Refer also to Page 96 for special parts

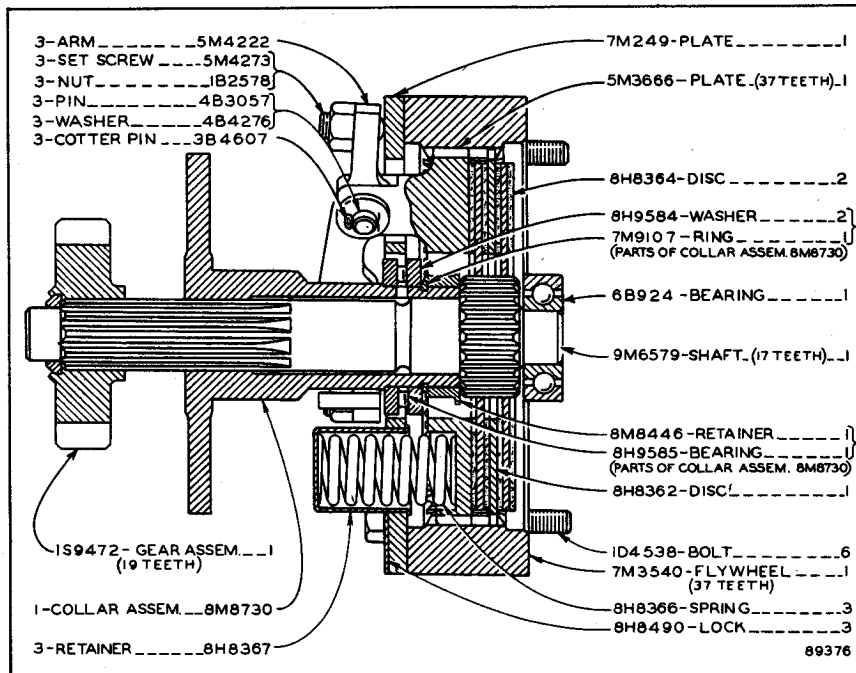


8M9337 CLUTCH AND BRAKE GROUP
 Serial No. 78A1 to 78A1481, 78A1523, 78A1530 and 78A1531 inclusive



9H3655 CLUTCH, PINION AND BRAKE CONTROL GROUP

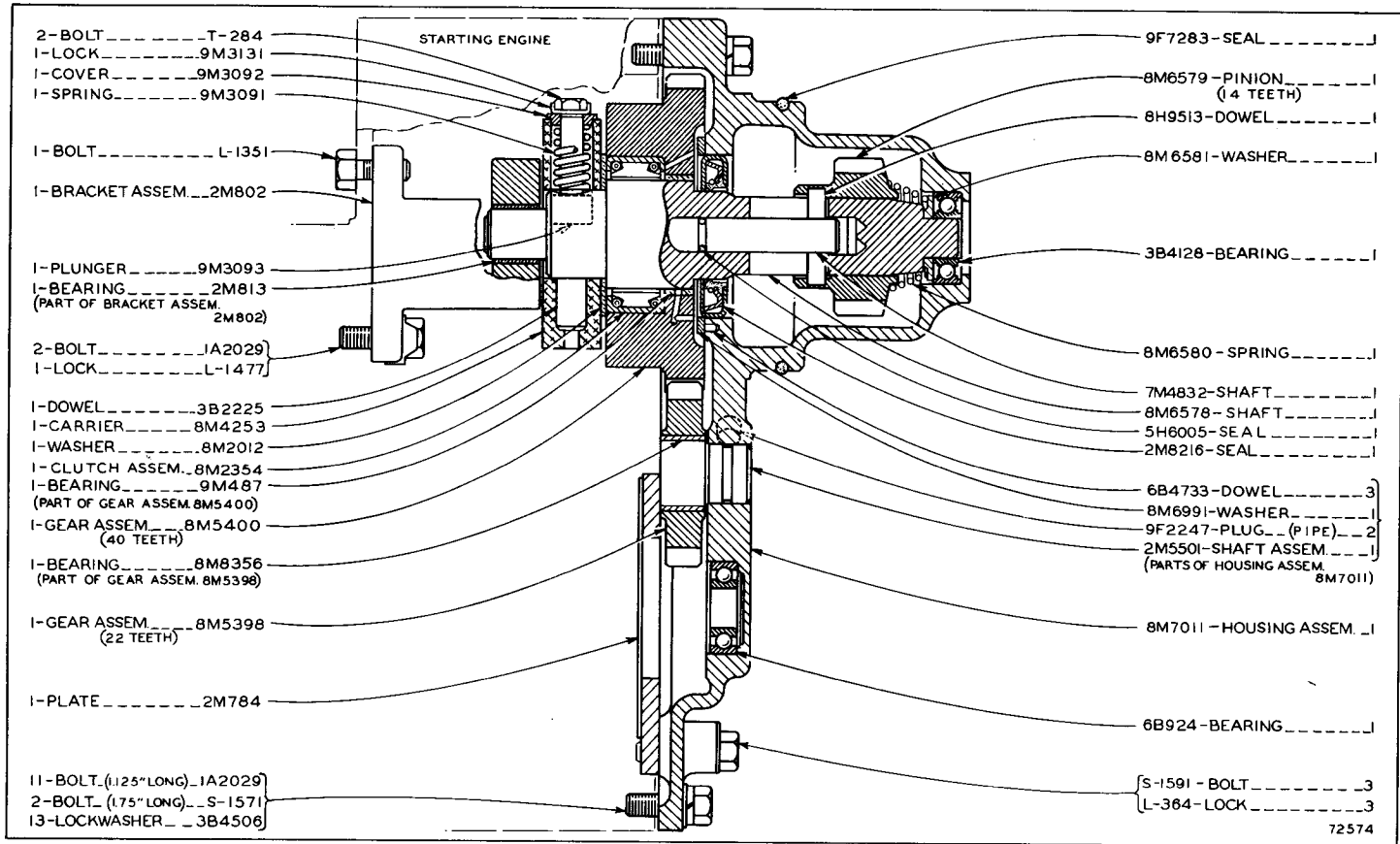
Effective with Serial No. 78A580—Up and Starting Engine Block No. E6833—Up
 Refer also to Page 96 for special parts



1S9476 CLUTCH AND BRAKE GROUP

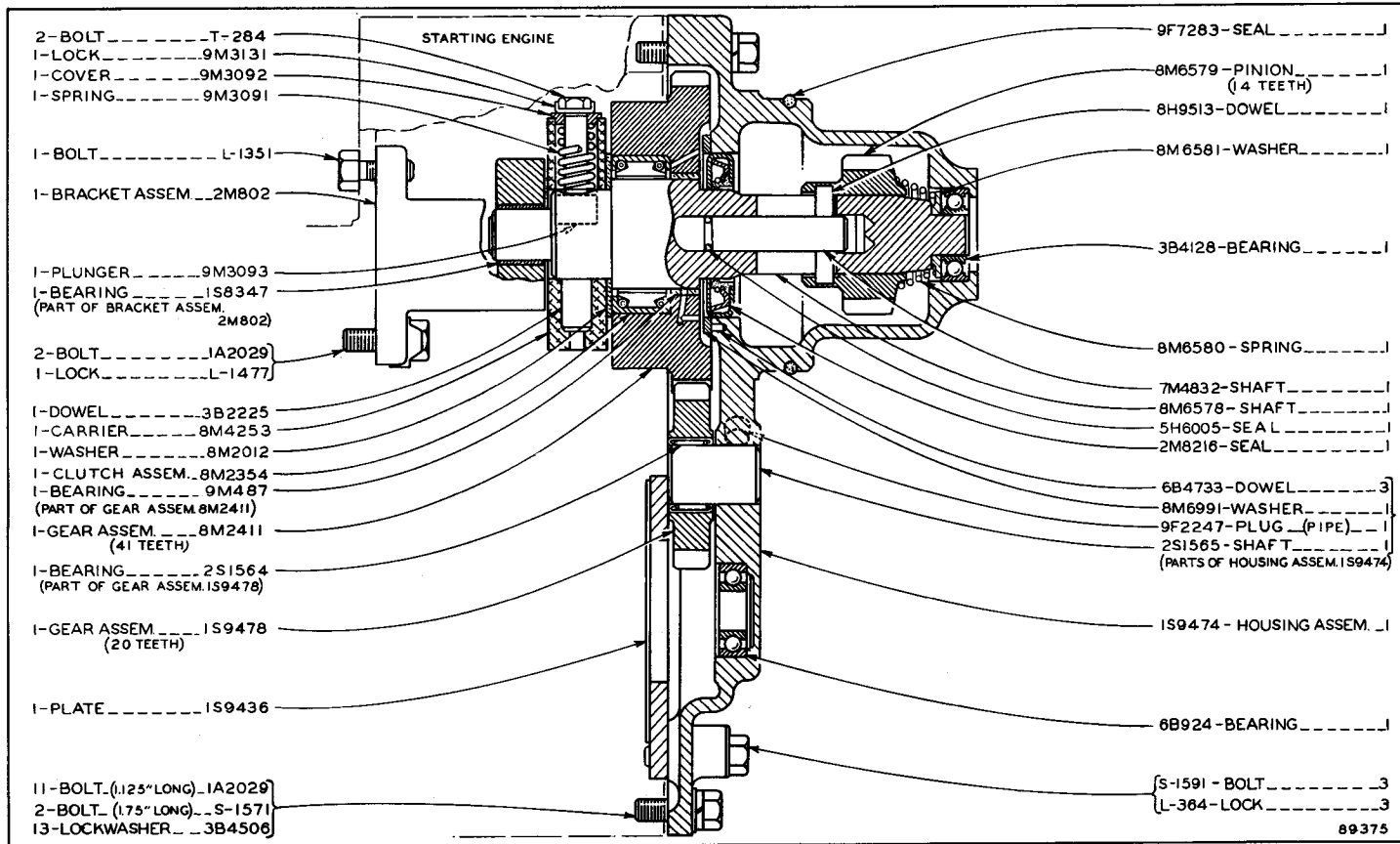
Serial No. 78A1482 to 78A1522, 78A1524 to 78A1529 and 78A1532—Up and
 Starting Engine Block No. E8413—Up

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



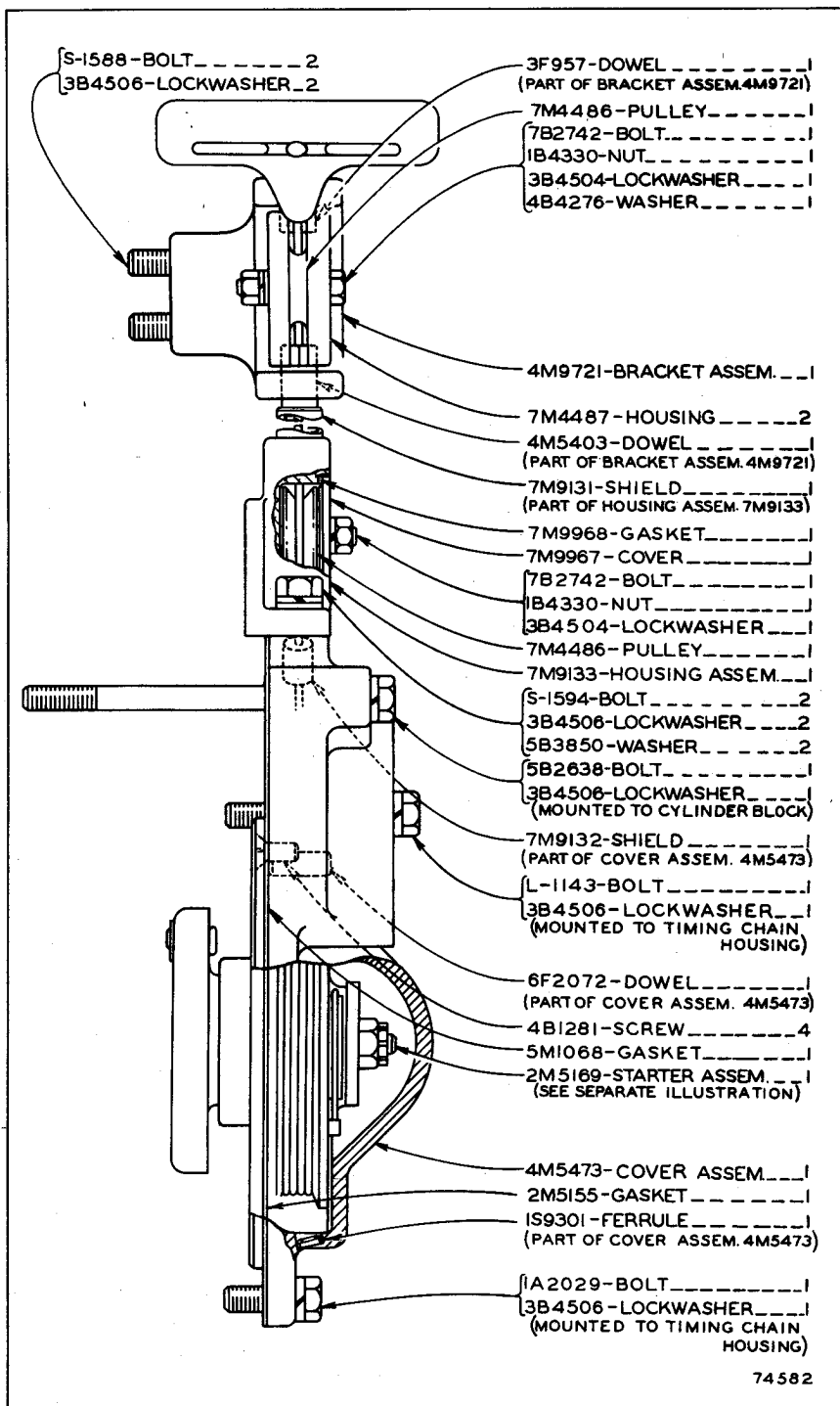
8M9351 STARTER PINION GROUP

Serial No. 78A1 to 78A1481, 78A1523, 78A1530 and 78A1531 inclusive



IS9475 STARTER PINION GROUP

Serial No. 78A1482 to 78A1522, 78A1524 to 78A1529 and 78A1532—Up and Starting Engine Block No. E8413—Up

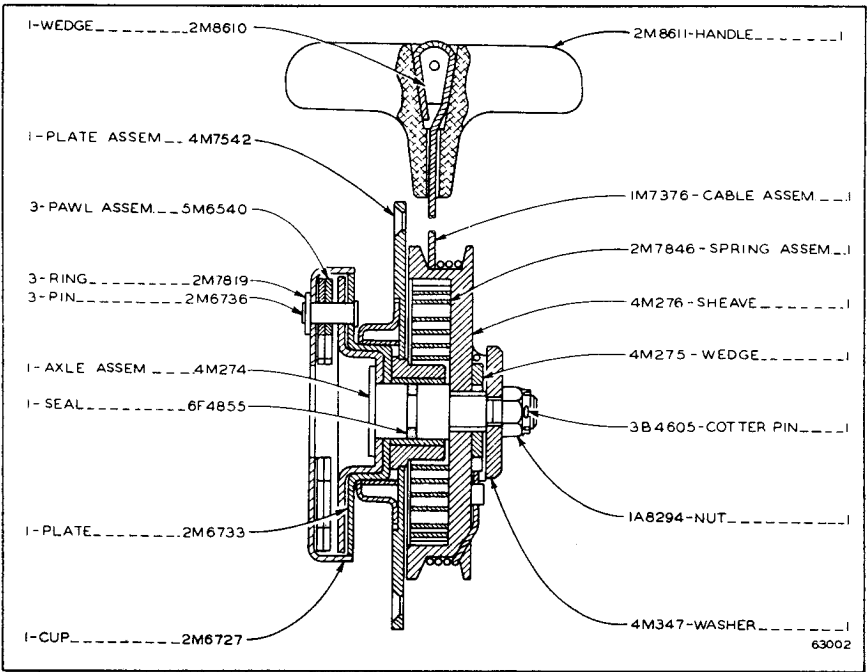


74582

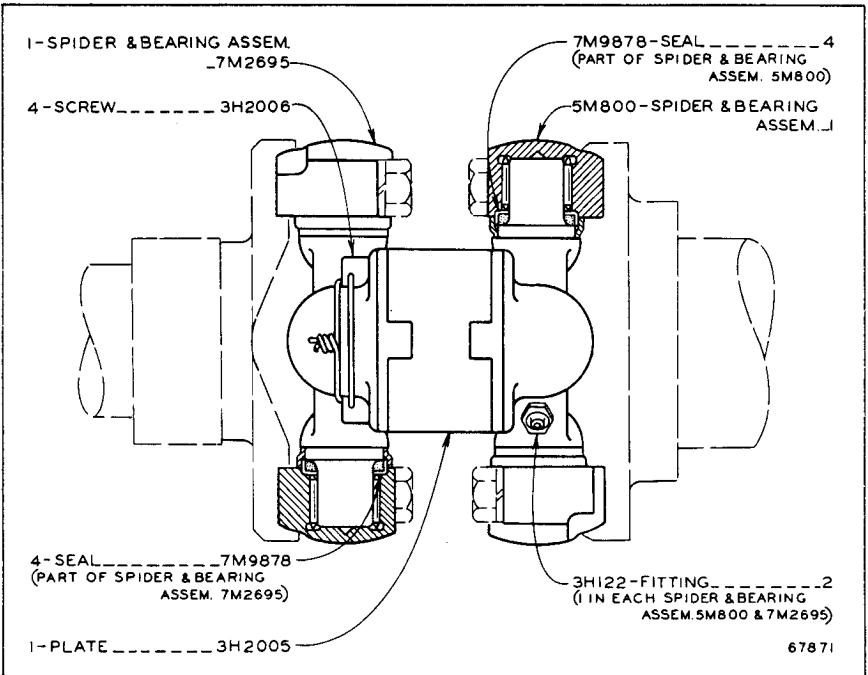
9M8804 RECOIL STARTER GROUP

2M5169 Recoil Starter Assembly parts are shown on Page 52

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



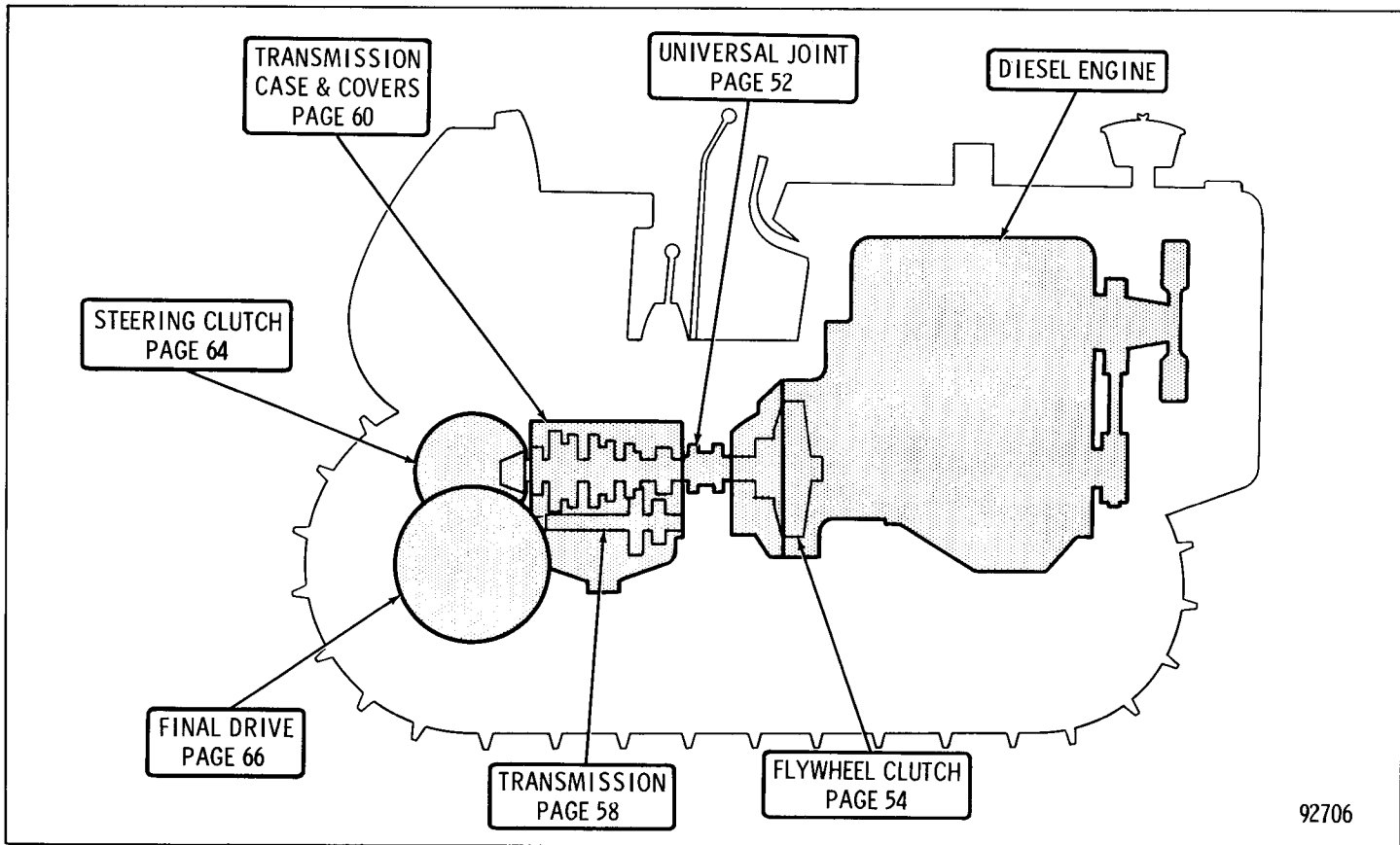
2M5169 RECOIL STARTER ASSEMBLY
 Part of 9M8804 Recoil Starter Group shown on Page 51



5M5275 UNIVERSAL JOINT ASSEMBLY
 Part of Flywheel Clutch shown on Page 55

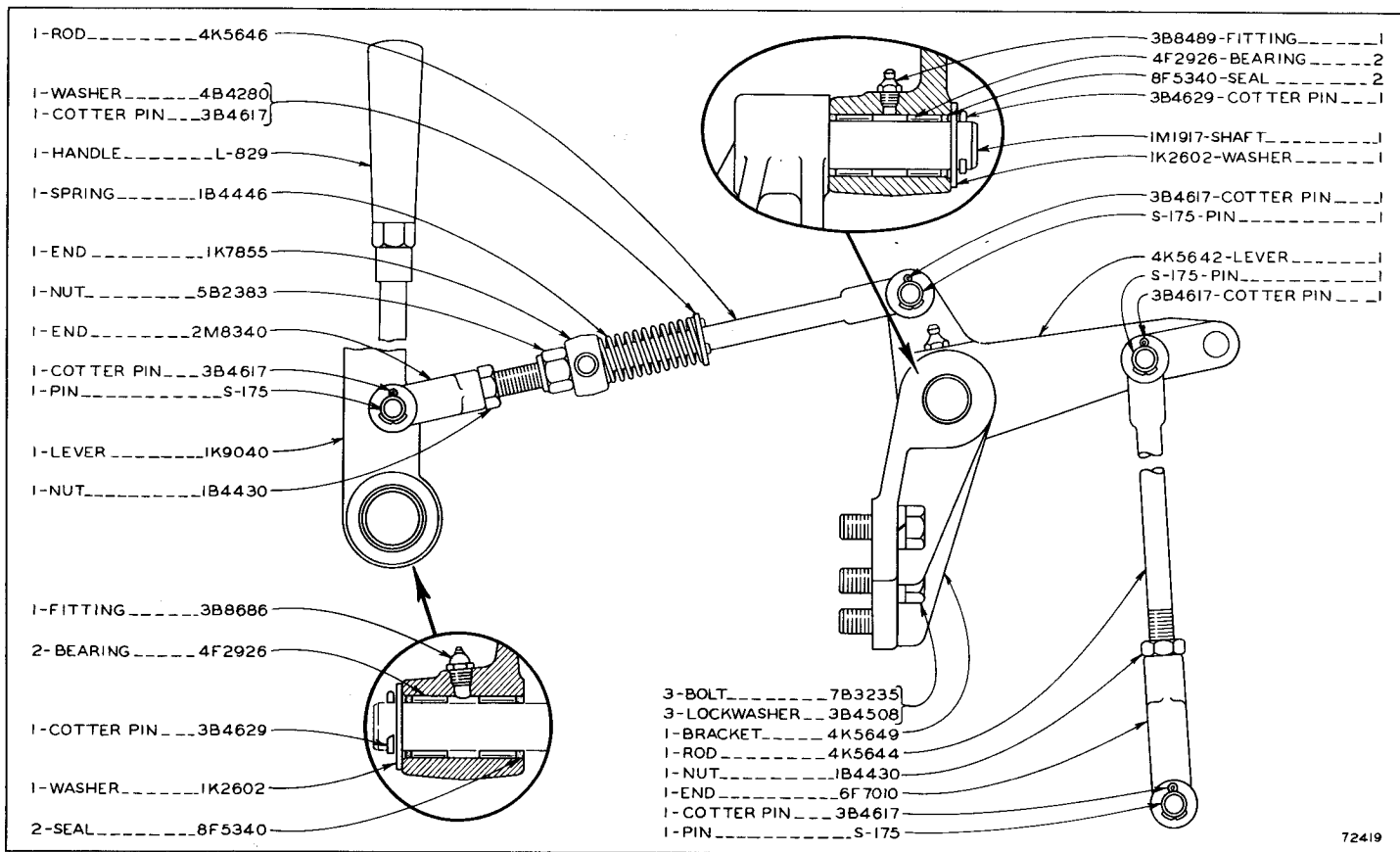
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

92706



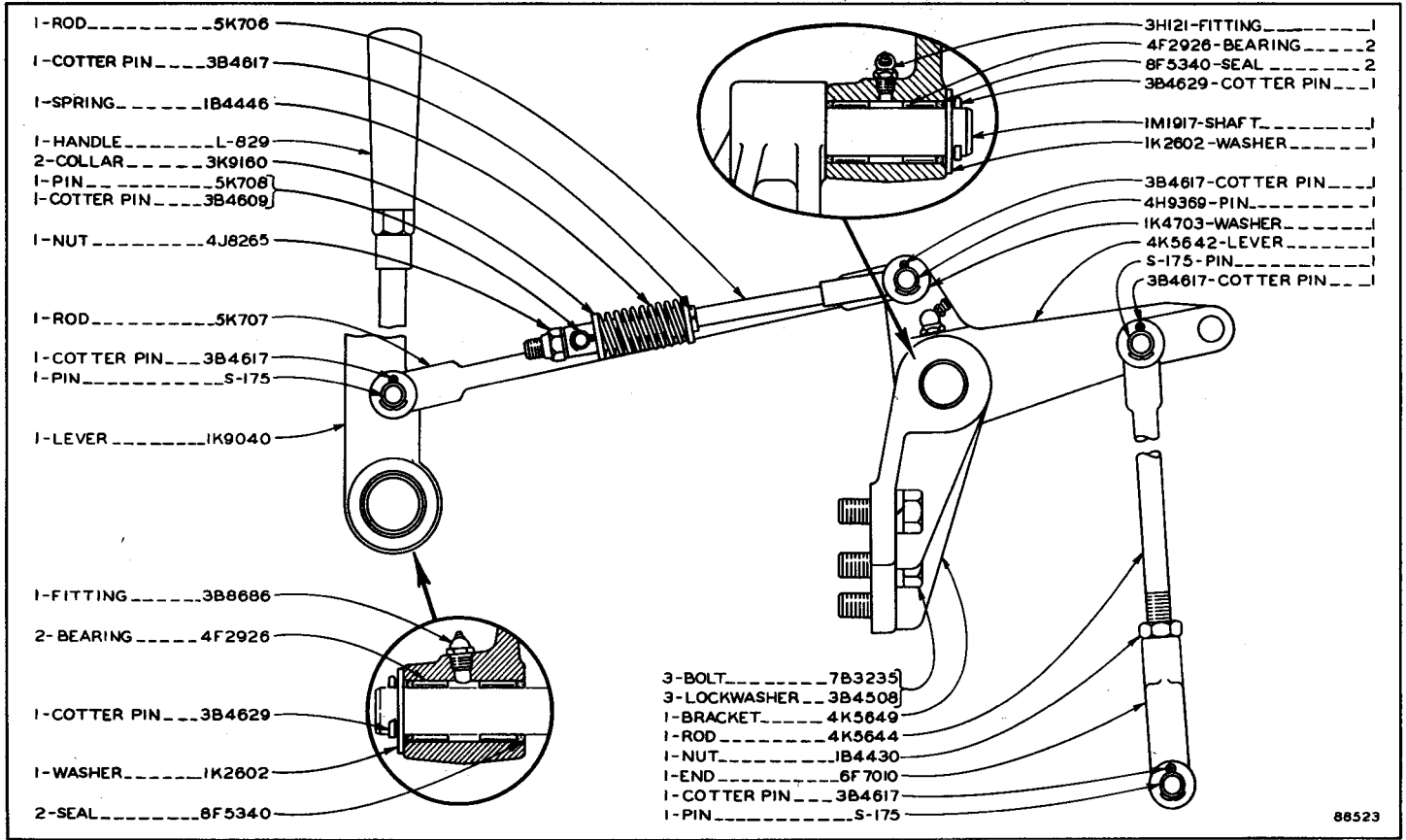
POWER TRAIN ARRANGEMENT

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

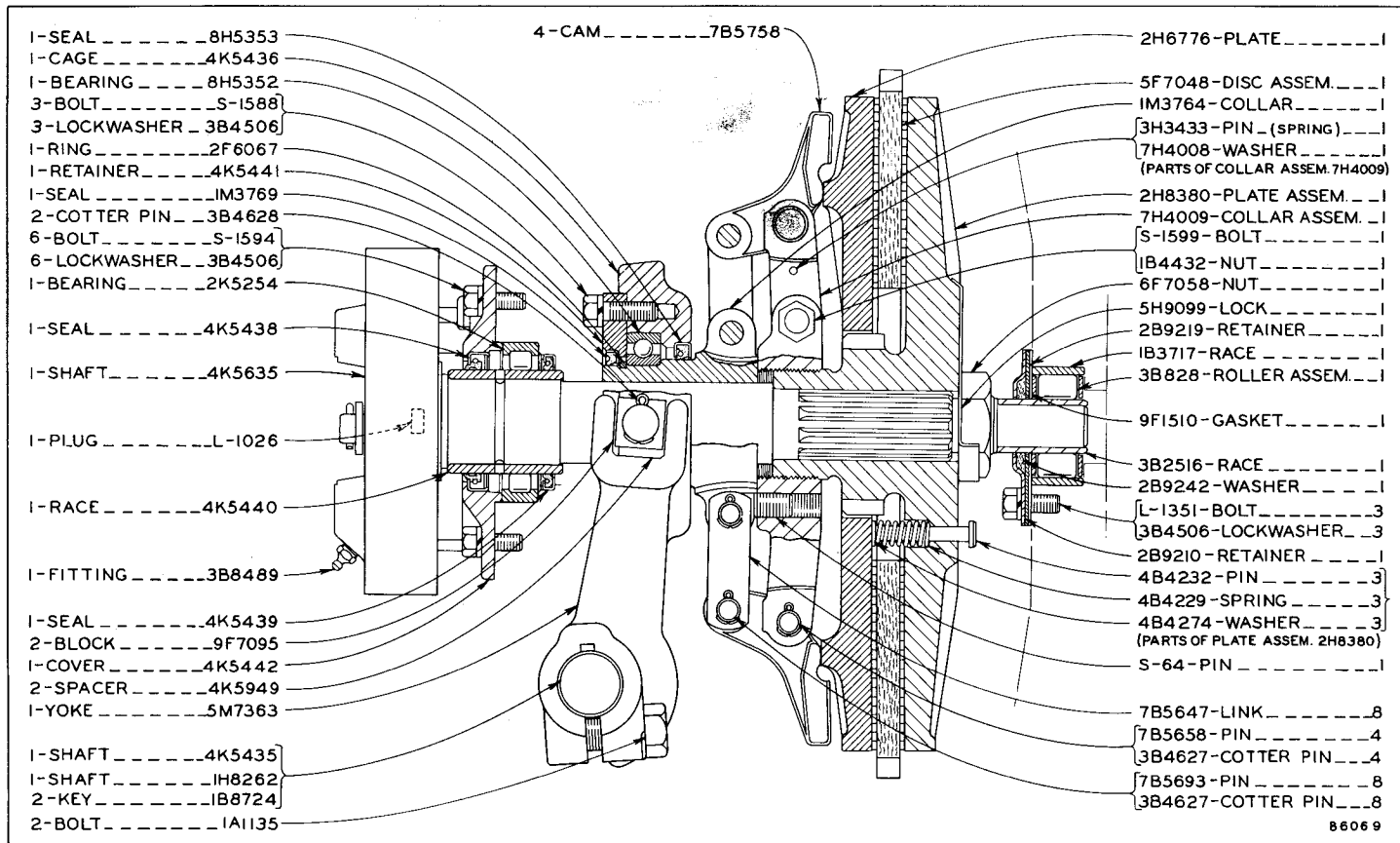


72419

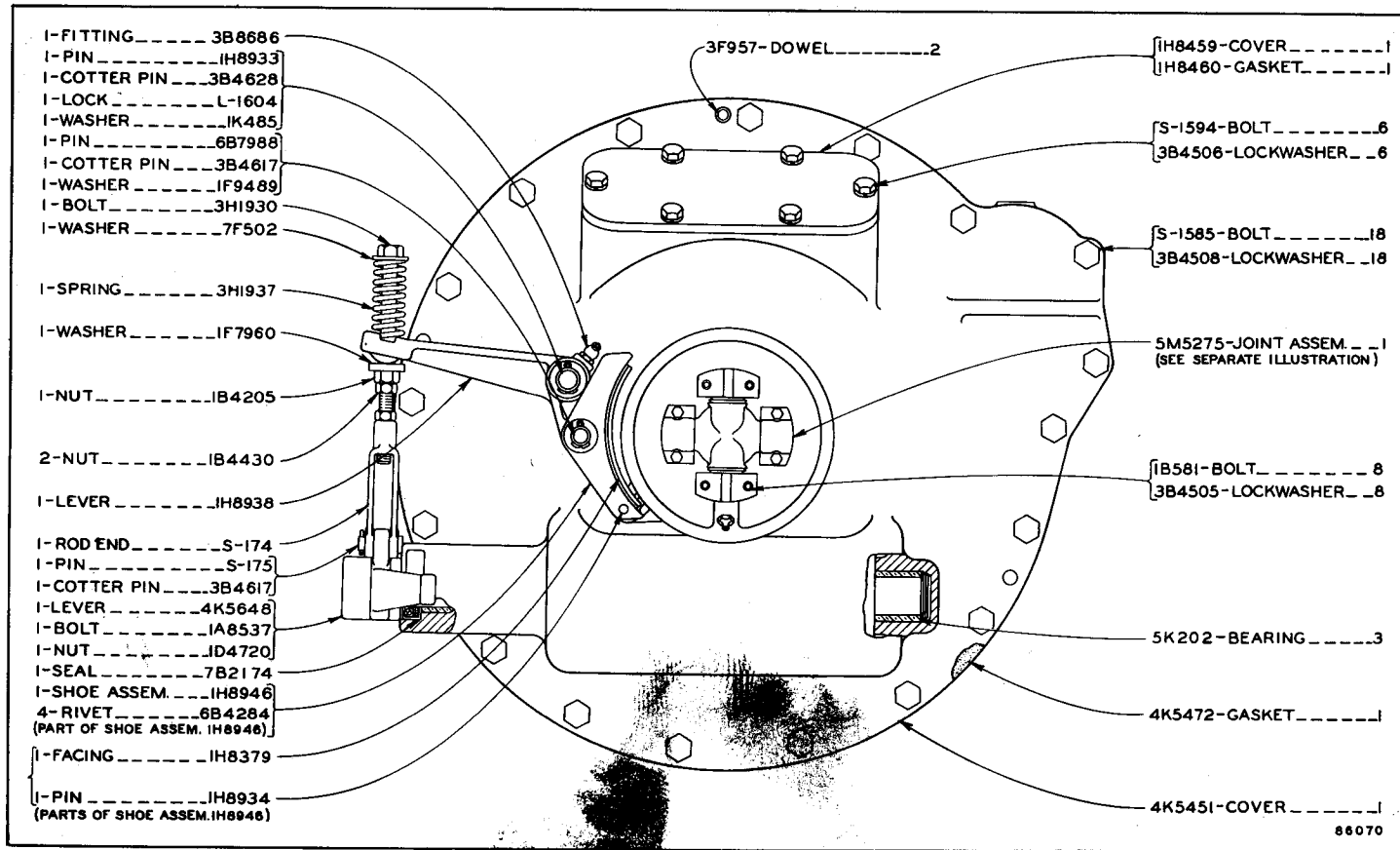
FLYWHEEL CLUTCH CONTROL
Serial No. 78A1 to 78A1110 inclusive



FLYWHEEL CLUTCH CONTROL
 Effective with Serial No. 78A1111



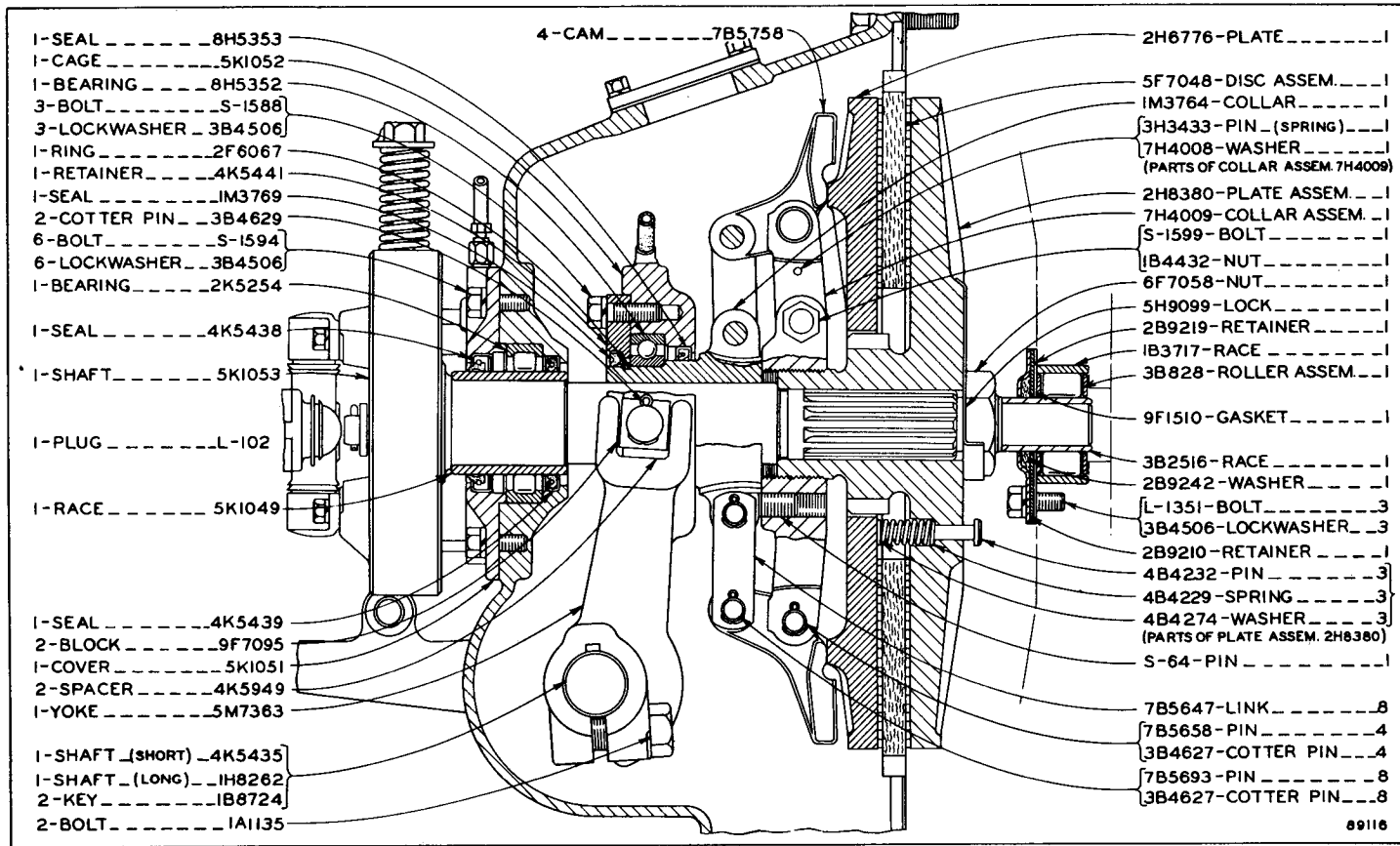
FLYWHEEL CLUTCH—Side View
 Serial No. 78A1 to 78A1346 inclusive
 Refer also to Page 133 for special parts



FLYWHEEL CLUTCH—Rear View

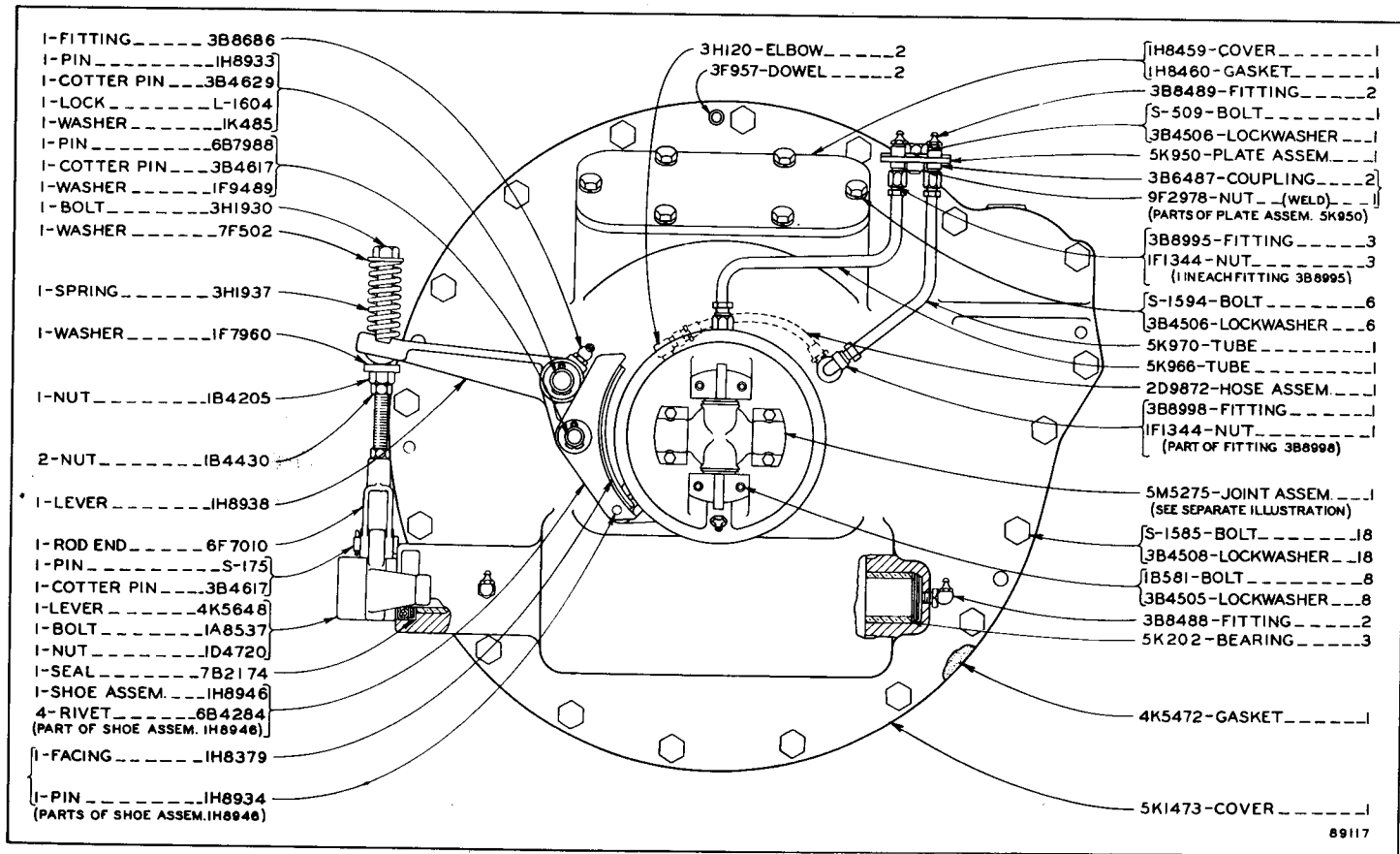
Serial No. 78A1 to 78A1344 inclusive

5M5275 Universal Joint Assembly parts are shown. Refer also to Page 133 for special parts



69116

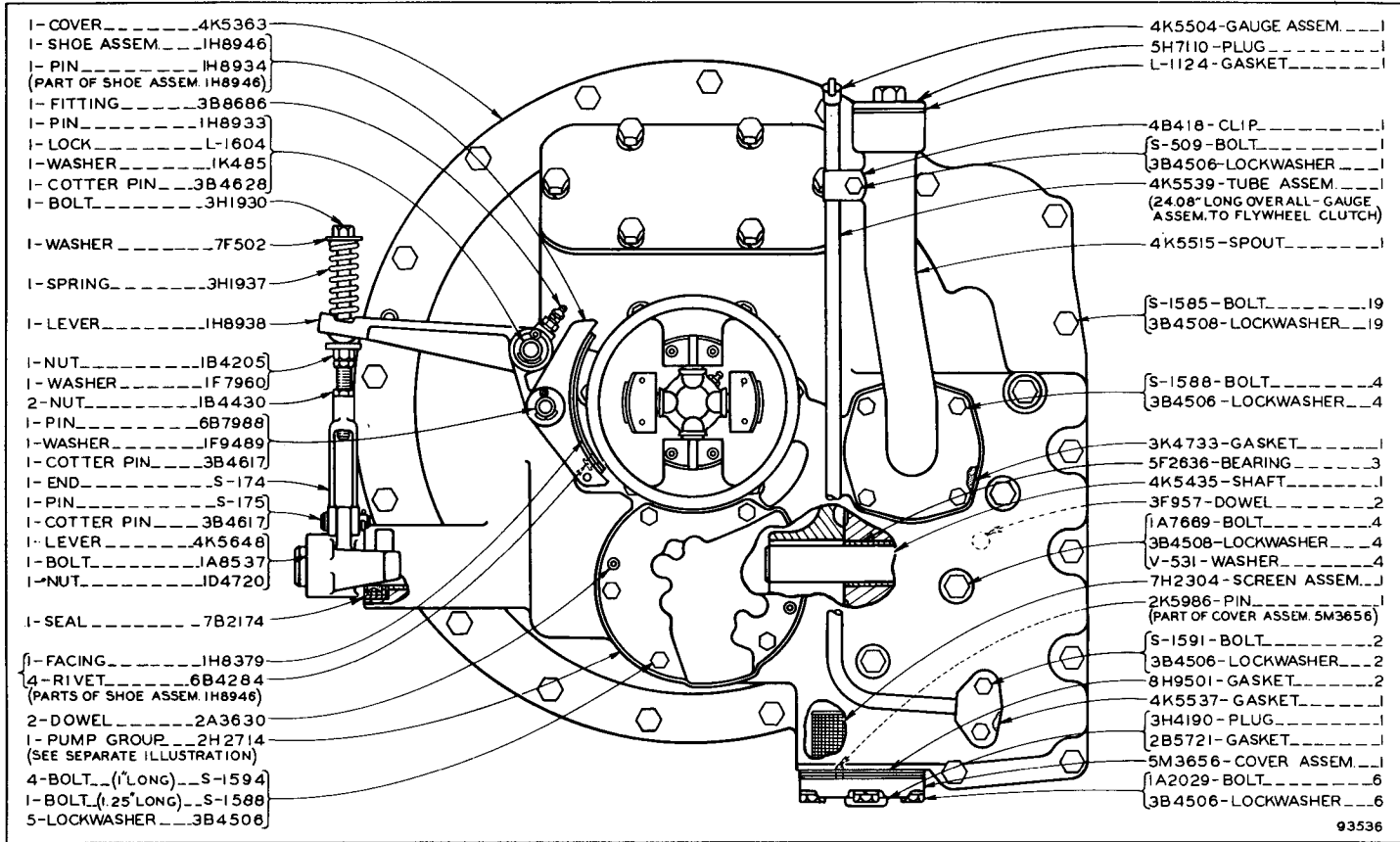
FLYWHEEL CLUTCH—Side View
 Effective with Serial No. 78A1347
 Refer also to Page 133 for special parts



89117

FLYWHEEL CLUTCH—Rear View
 Effective with Serial No. 78A1347

5M5275 Universal Joint Assembly parts are shown on Page 52. Refer also to Page 133 for special parts

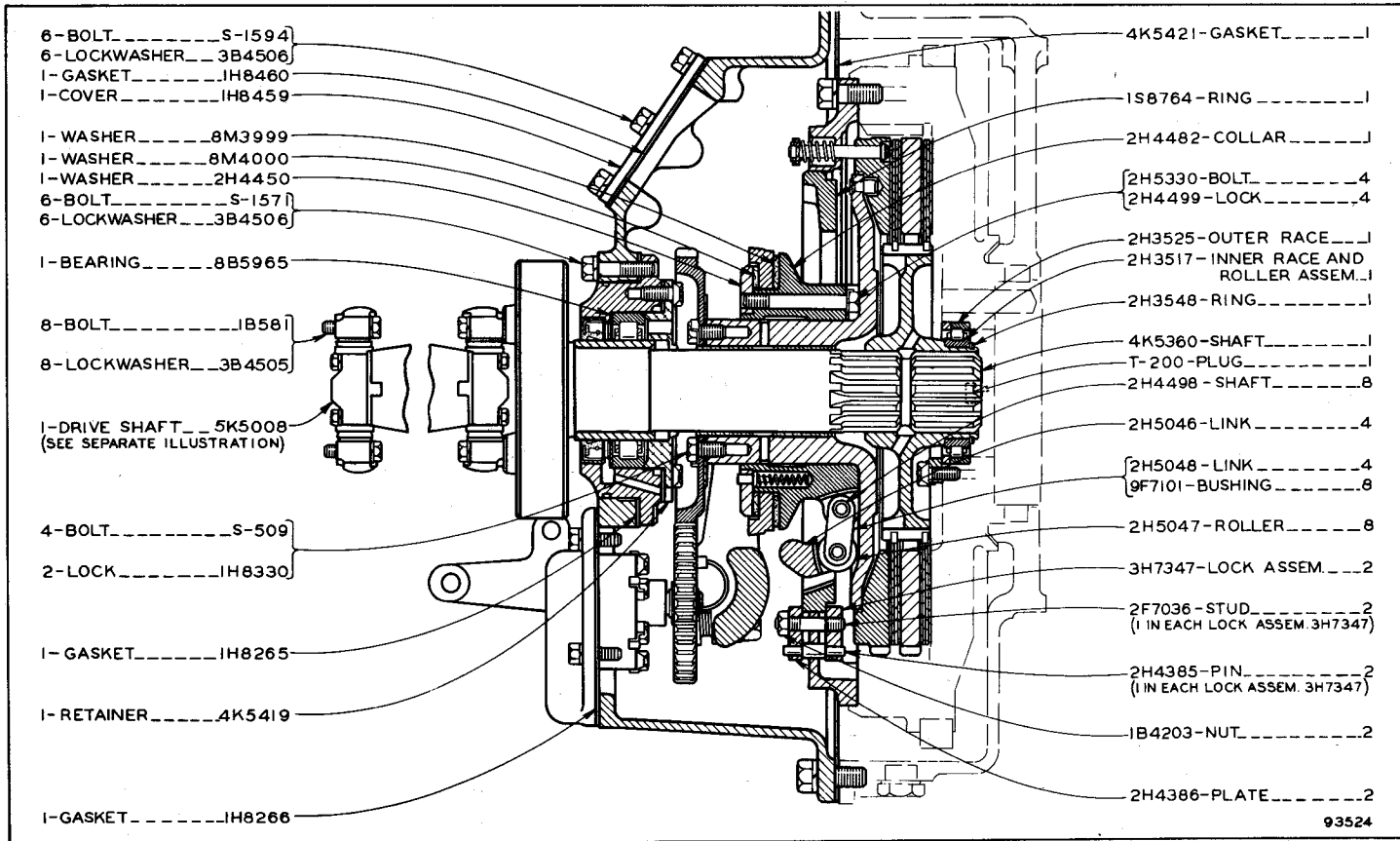


93536

4K5034 FLYWHEEL CLUTCH GROUP—Part One

Effective with Serial No. 78A3369

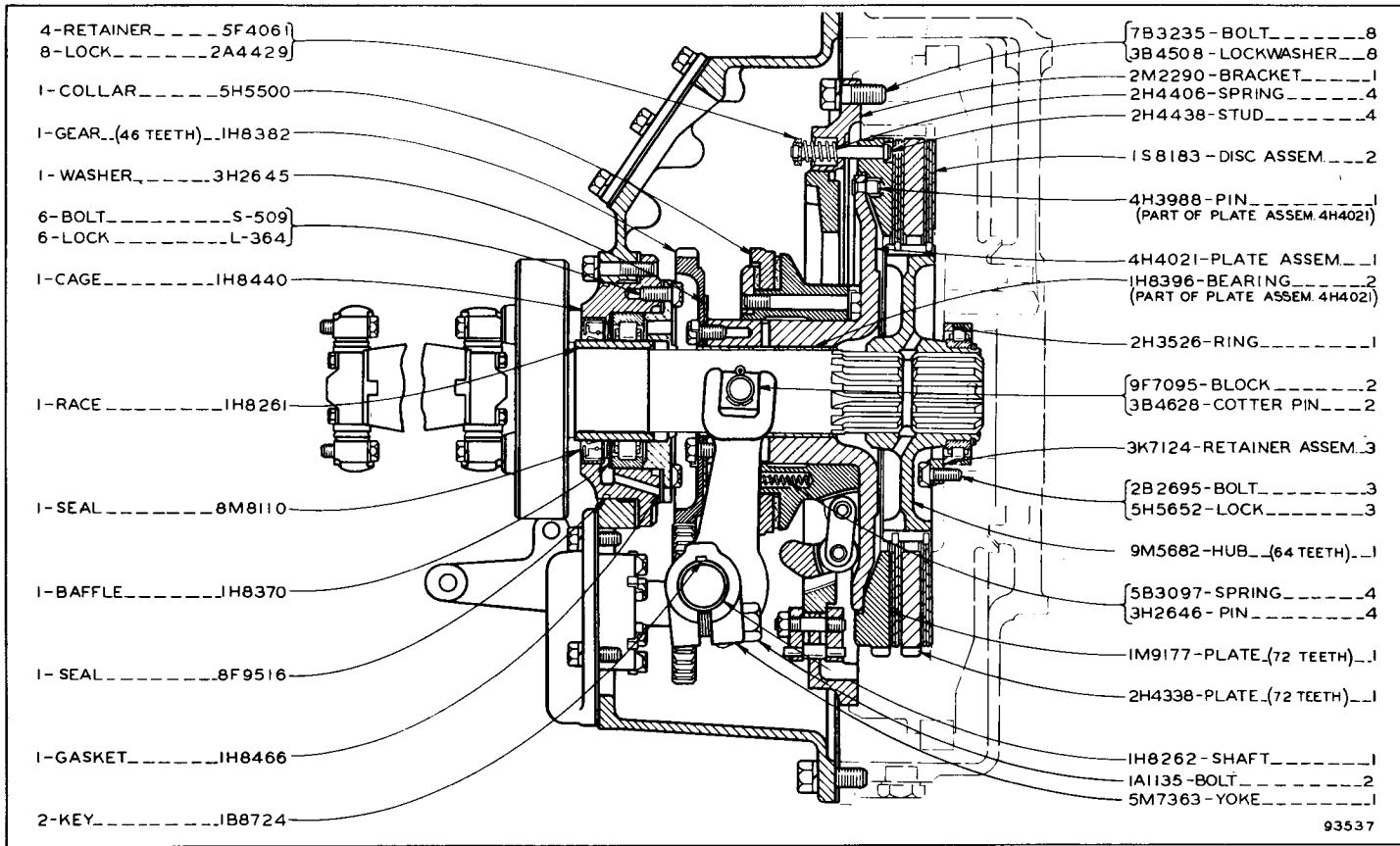
2H2714 Oil Pump Group Parts are shown on Page 138. ADDITIONAL PARTS ARE SHOWN ON PAGES 55B AND 55C



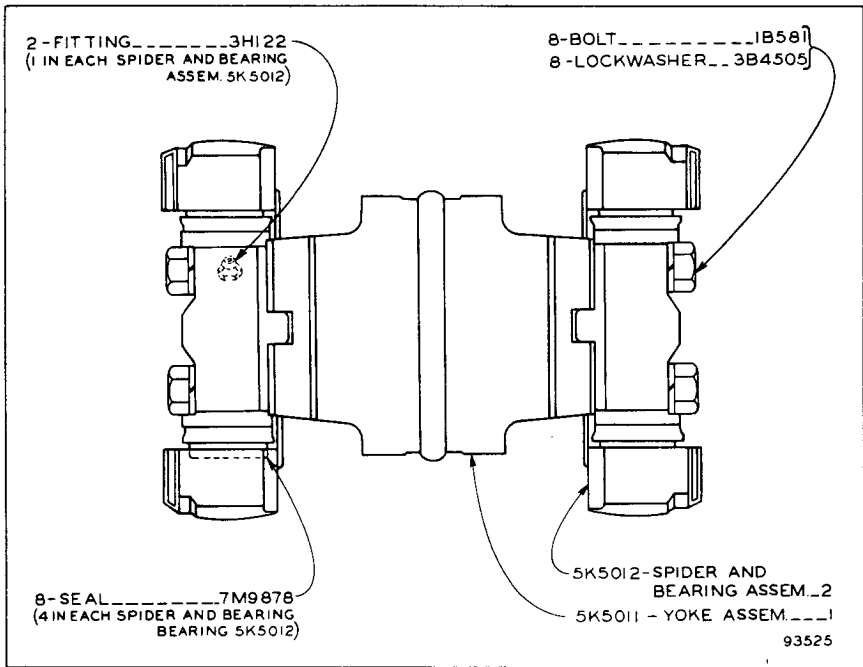
4K5034 FLYWHEEL CLUTCH GROUP—Part Two

Effective with Serial No. 78A3369

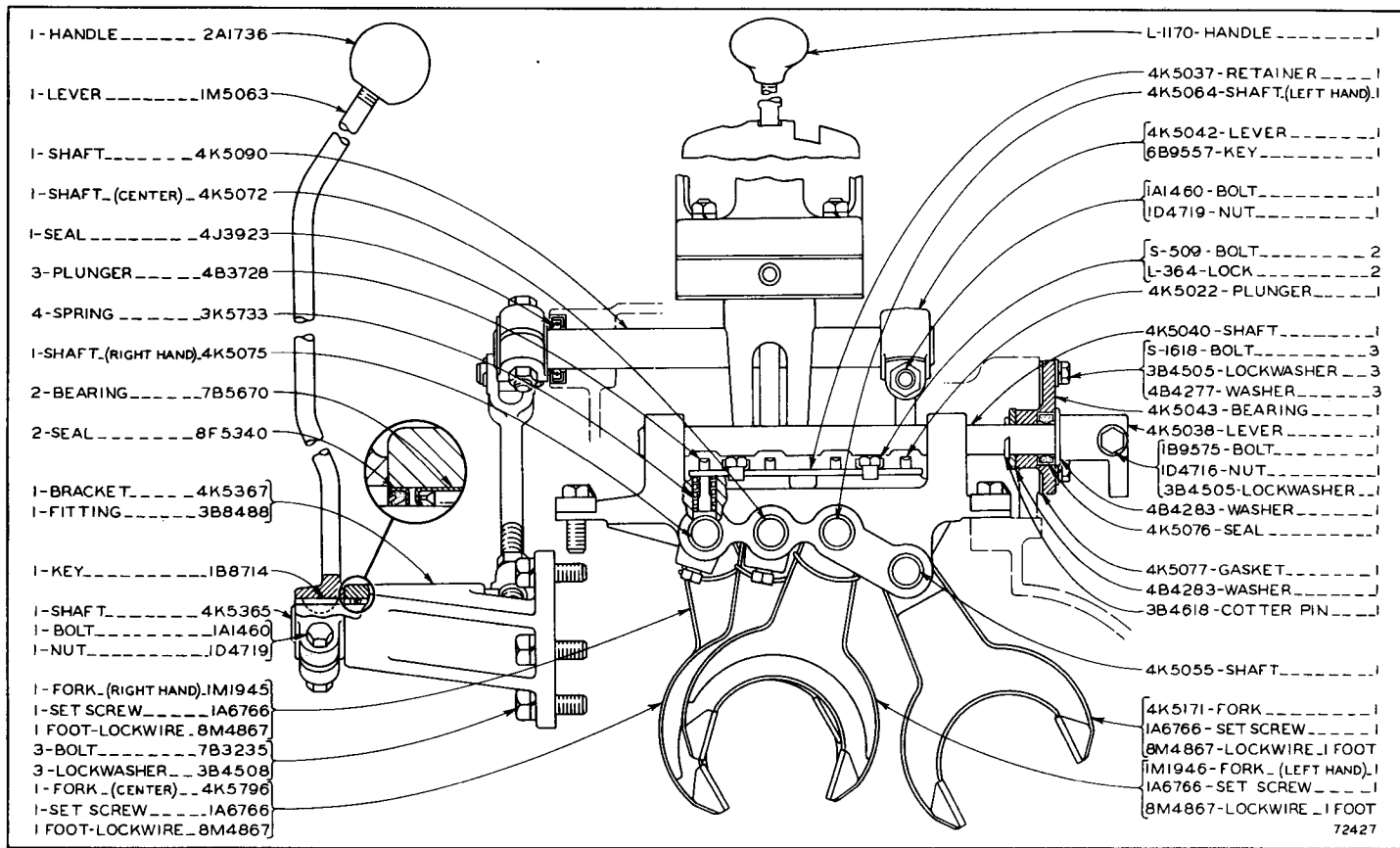
5K5008 Drive Shaft Assembly parts are shown on Page 55D. ADDITIONAL PARTS ARE SHOWN ON PAGES 55A AND 55C



4K5034 FLYWHEEL CLUTCH GROUP—Part Three
 Effective with Serial No. 78A3369
 ADDITIONAL PARTS ARE SHOWN ON PAGES 55A AND 55B

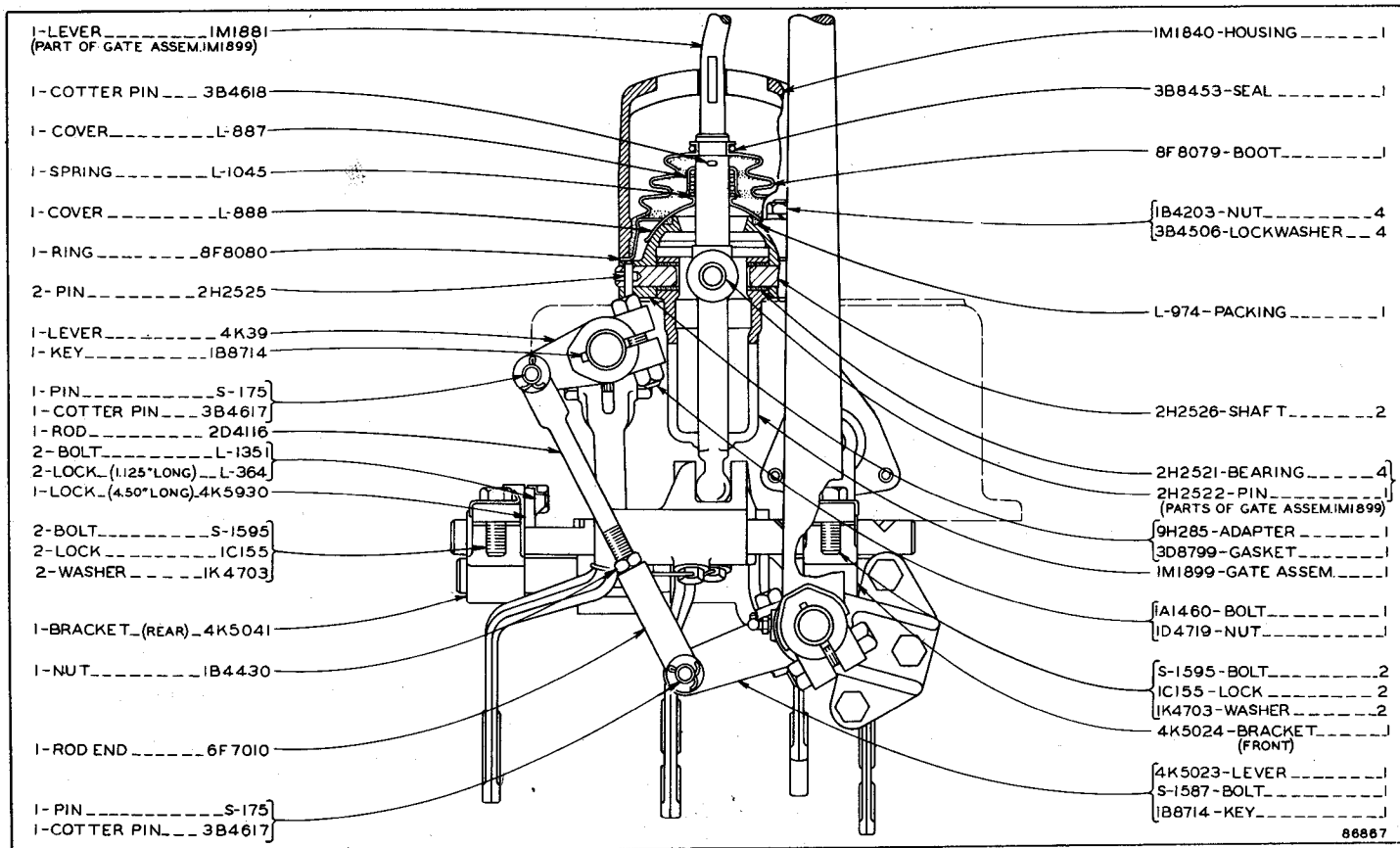


5K5008 DRIVE SHAFT ASSEMBLY—Replaces 4K5725
Part of 4K5034 Flywheel Clutch Group shown on Page 55B

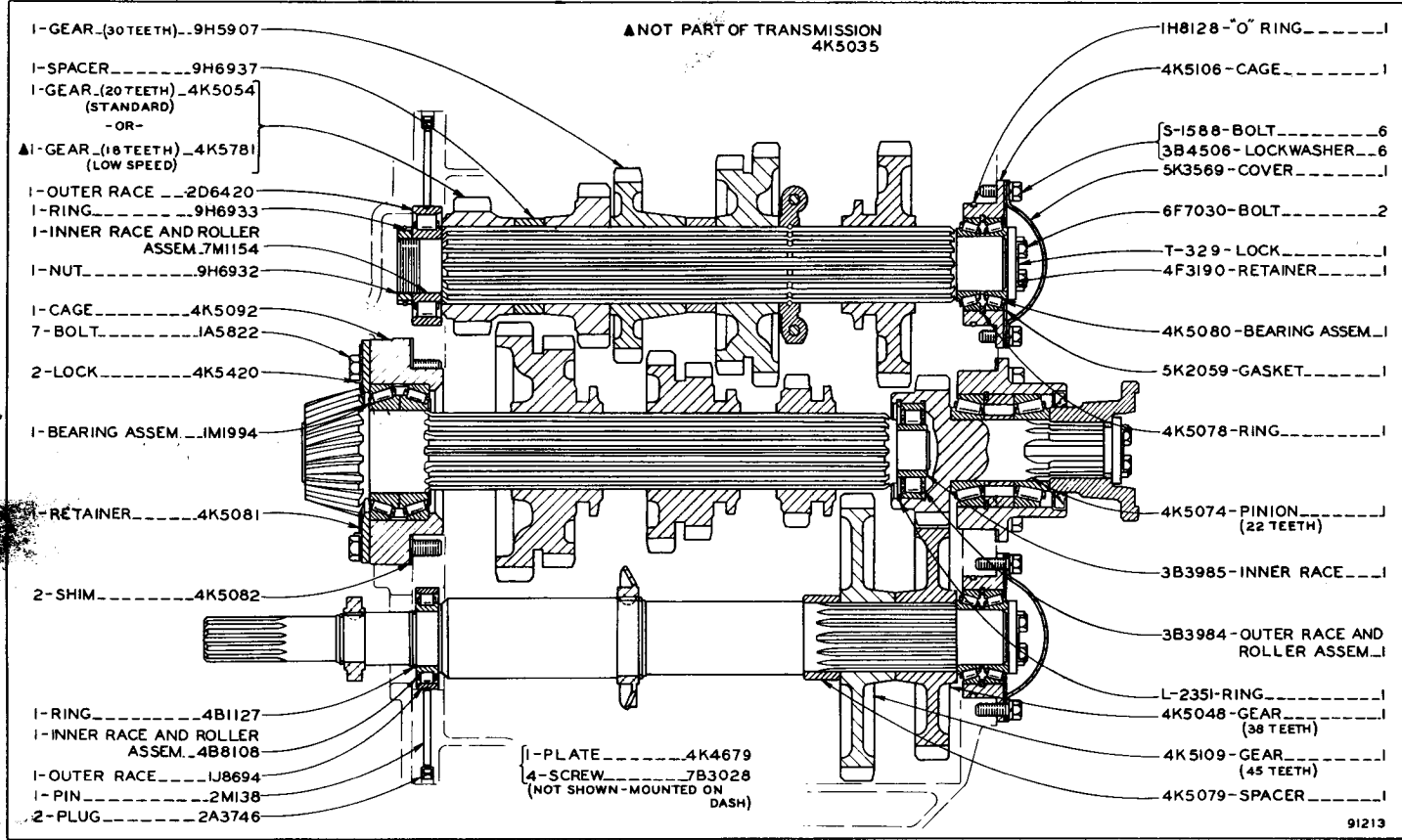


72427

GEAR SHIFT CONTROL—Front View

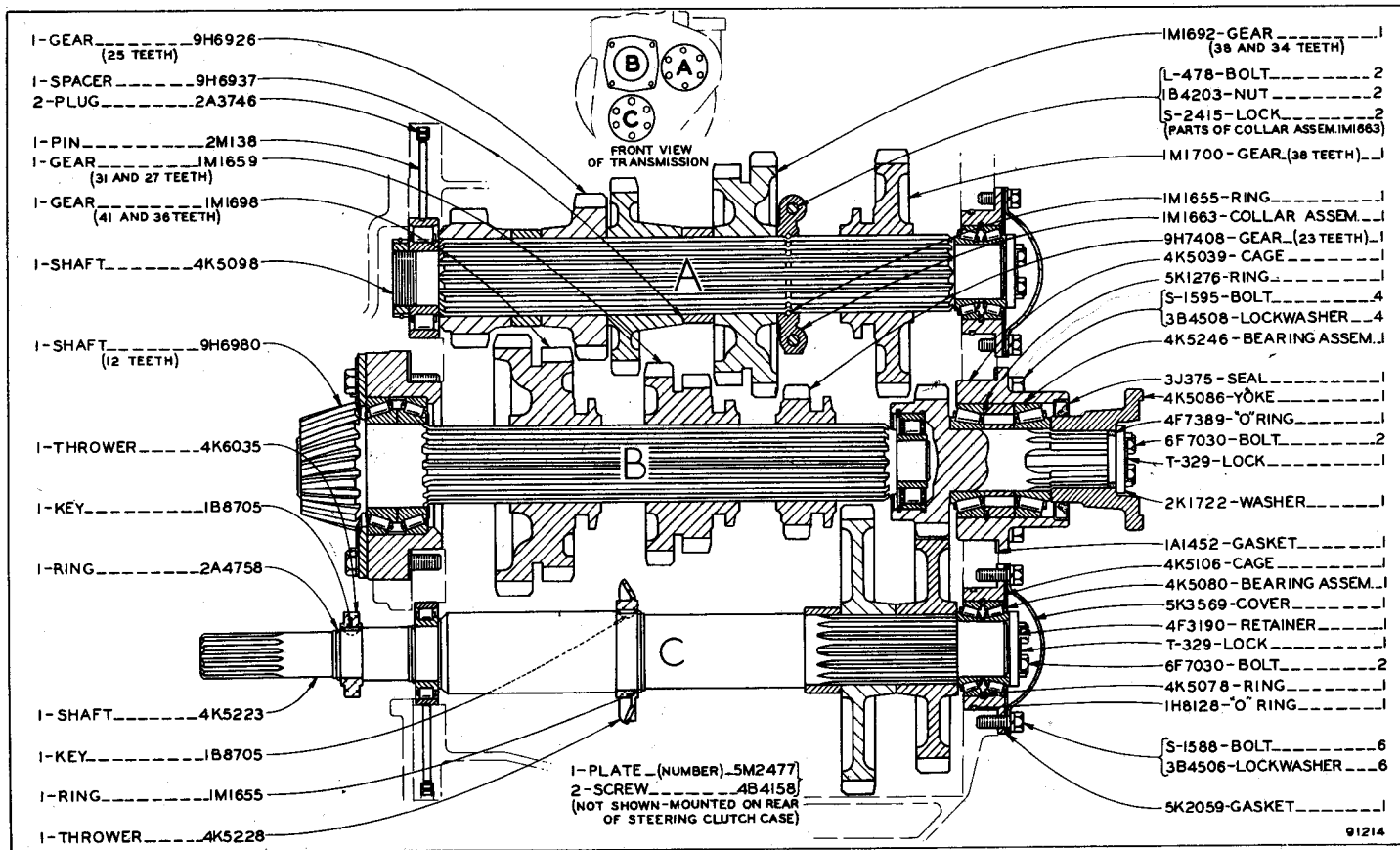


GEAR SHIFT CONTROL—Side View



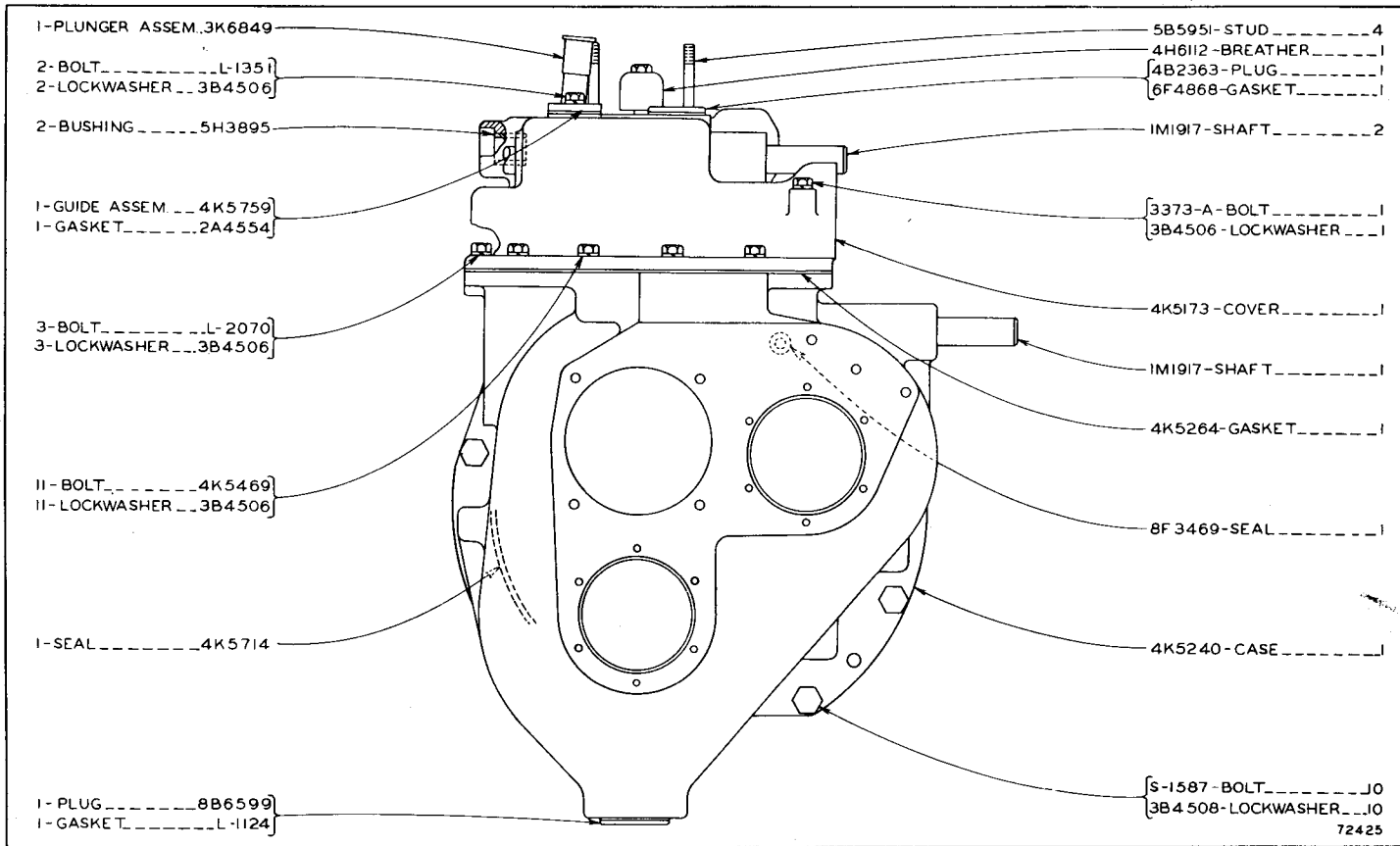
4K5035 TRANSMISSION GROUP—Part One

Note: This Group provides the following speeds: (Forward) First—1.7, Second—2.4, Third—3.4, Fourth—4.4 and Fifth—5.8 M.P.H.; (Reverse) First—2.0, Second—2.9, Third—4.0, Fourth—5.2 and Fifth 6.9 M.P.H. Refer also to Page 138 for special parts



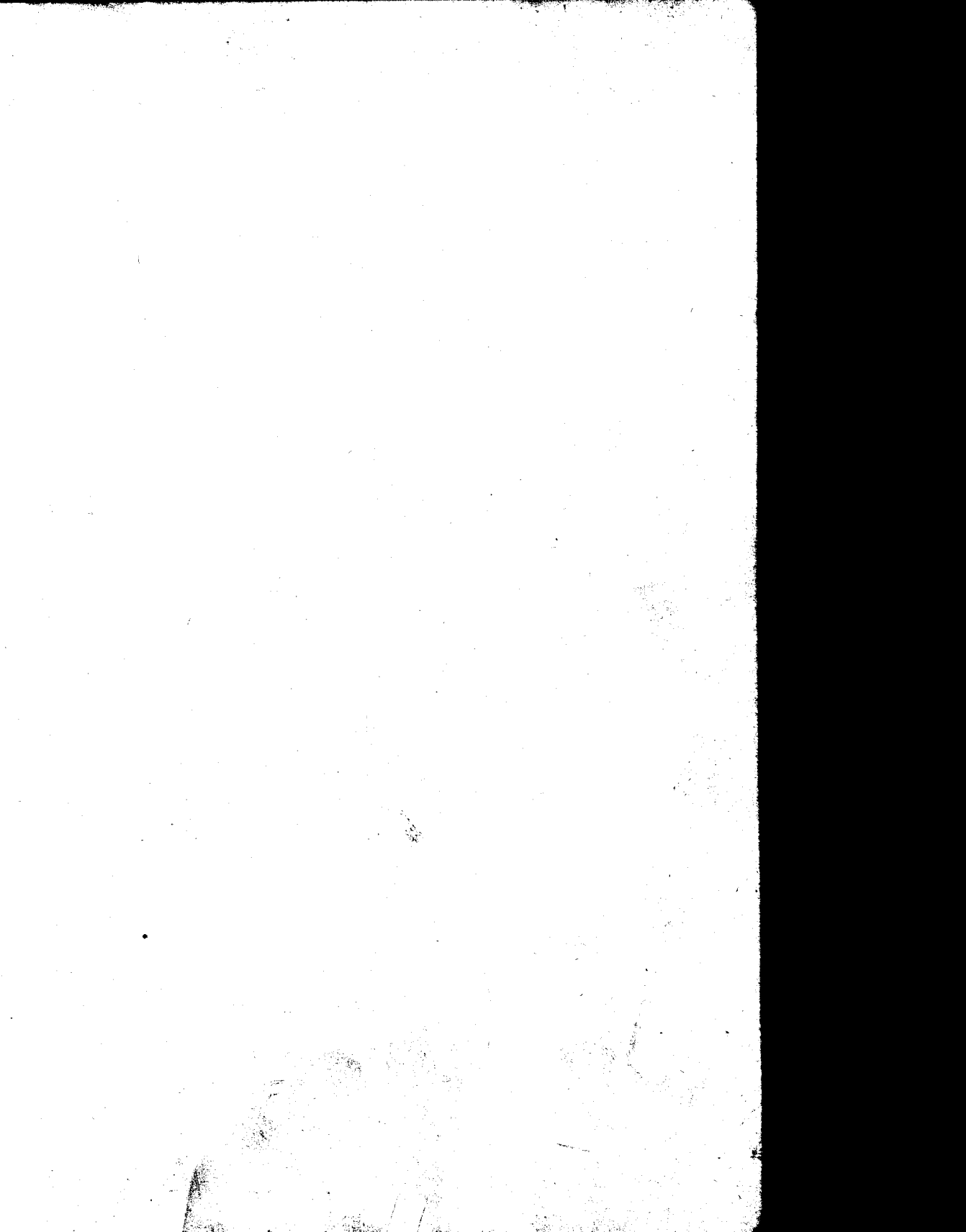
4K5035 TRANSMISSION GROUP—Part Two

Note: This Group provides the following speeds: (Forward) First—1.7, Second—2.4, Third—3.4, Fourth—4.4 and Fifth—5.8 M.P.H.; (Reverse) First—2.0, Second—2.9, Third—4.0, Fourth—5.2 and Fifth 6.9 M.P.H. Refer also to Page 138 for special parts

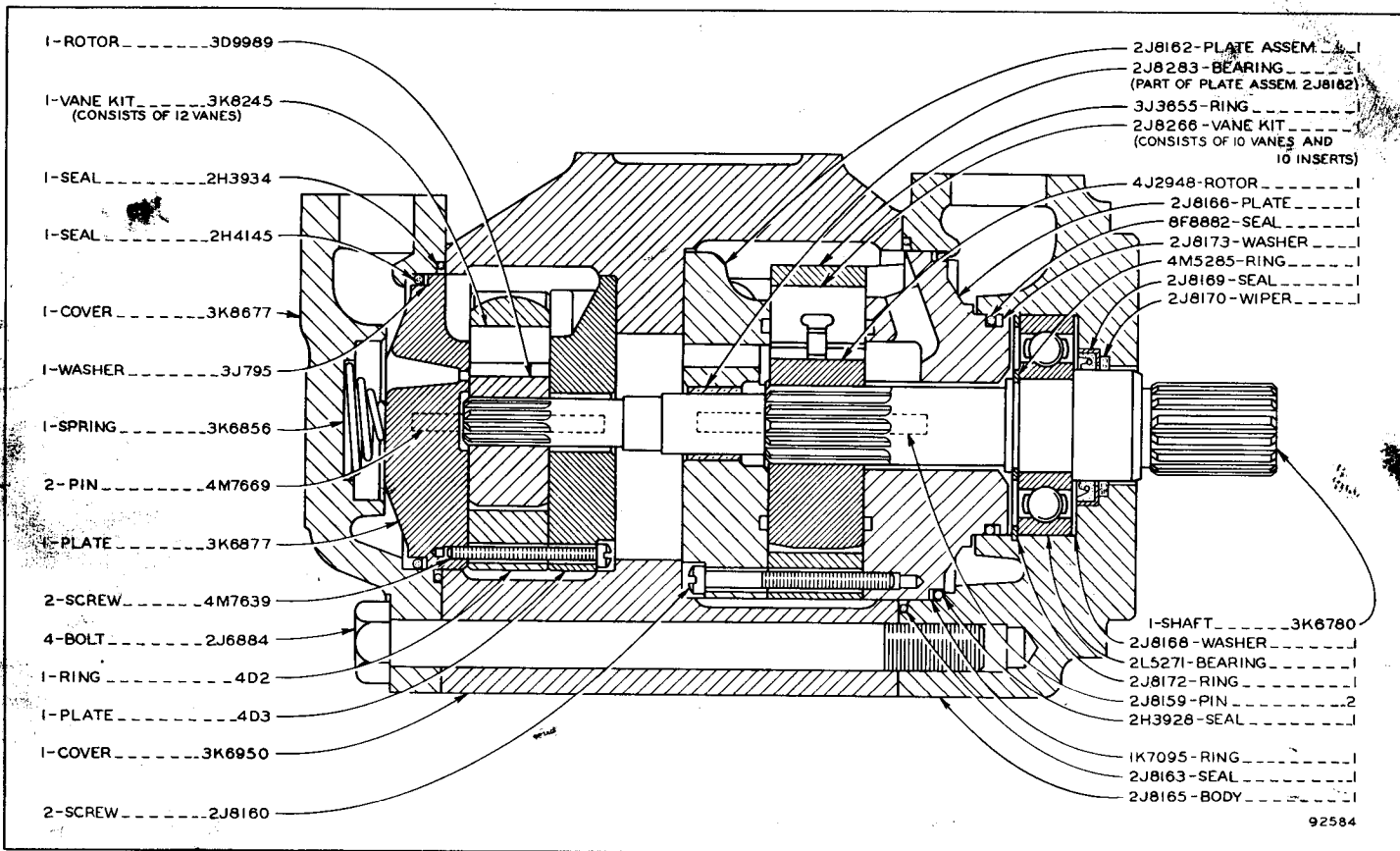


72425

TRANSMISSION CASE AND COVERS—End View



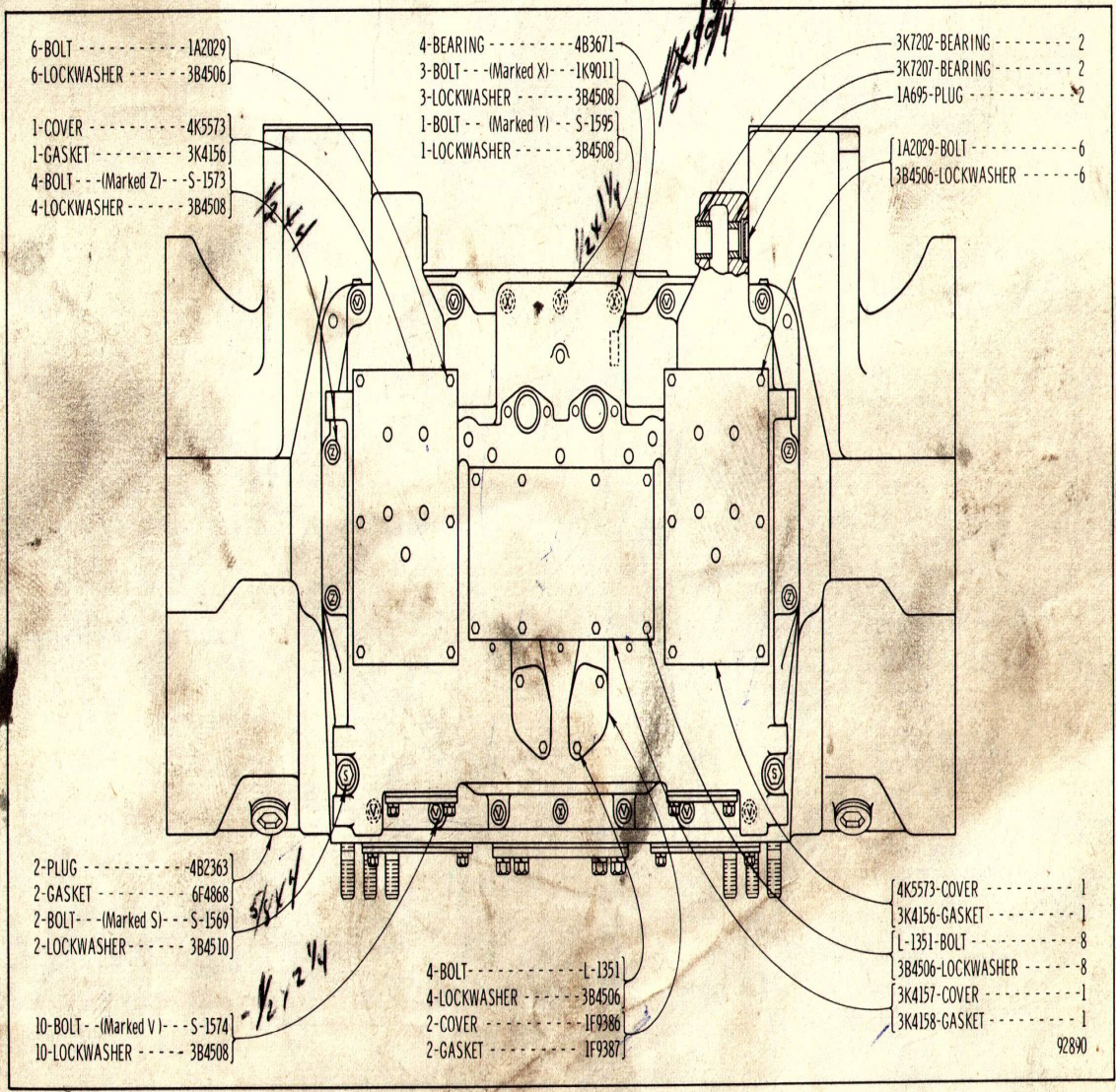
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



STEERING CLUTCH CASE AND COVERS—Part One

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

CLUTCH, TRANSMISSION AND CHASSIS



- 6-BOLT ----- 1A2029
- 6-LOCKWASHER ----- 3B4506
- 1-COVER ----- 4K5573
- 1-GASKET ----- 3K4156
- 4-BOLT -- (Marked Z) -- S-1573
- 4-LOCKWASHER ----- 3B4508

- 4-BEARING ----- 4B3671
- 3-BOLT -- (Marked X) -- 1K9011
- 3-LOCKWASHER ----- 3B4508
- 1-BOLT -- (Marked Y) -- S-1595
- 1-LOCKWASHER ----- 3B4508

- 3K7202-BEARING ----- 2
- 3K7207-BEARING ----- 2
- 1A695-PLUG ----- 2
- 1A2029-BOLT ----- 6
- 3B4506-LOCKWASHER ----- 6

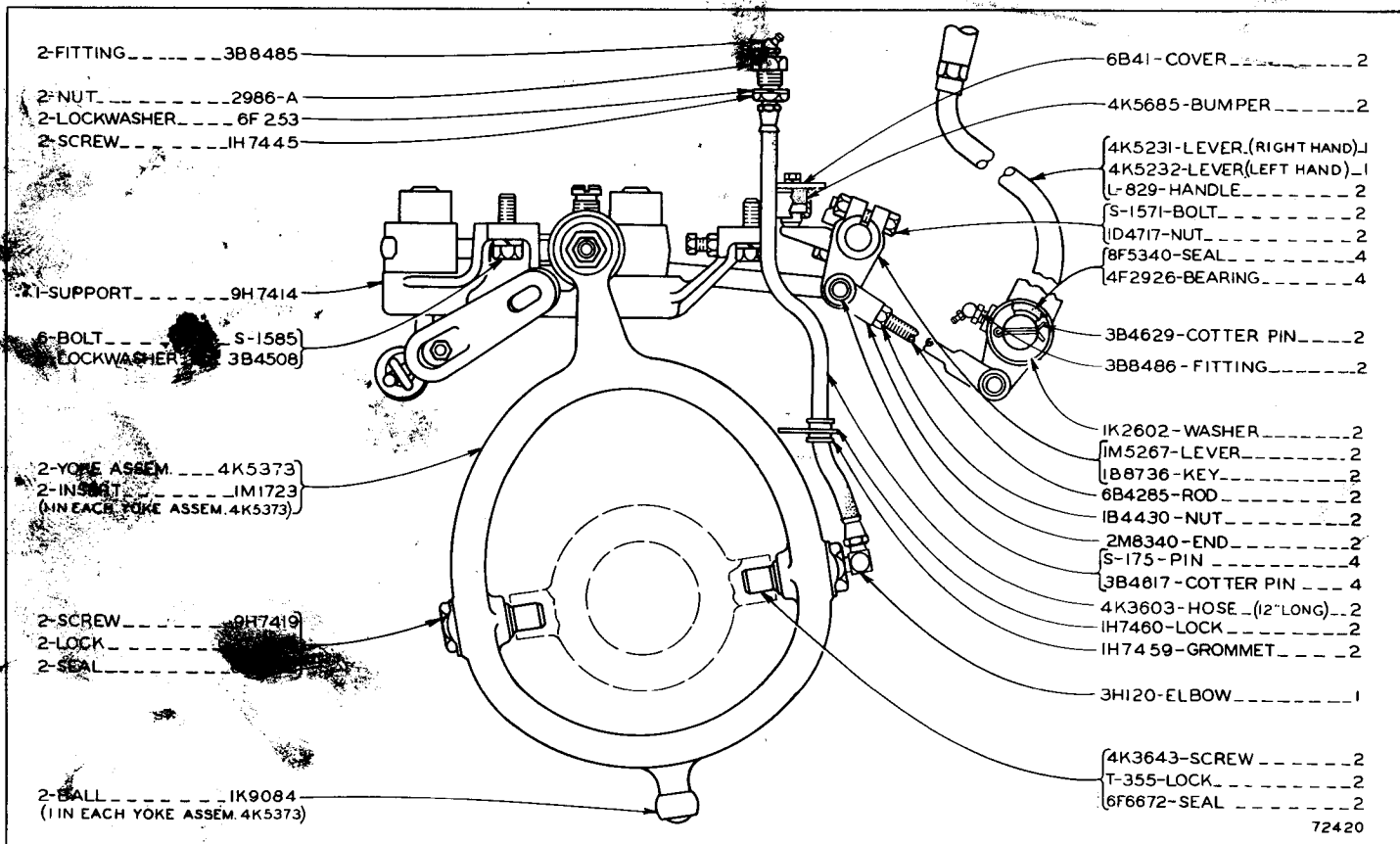
- 2-PLUG ----- 4B2363
- 2-GASKET ----- 6F4868
- 2-BOLT -- (Marked S) -- S-1569
- 2-LOCKWASHER ----- 3B4510
- 10-BOLT -- (Marked V) -- S-1574
- 10-LOCKWASHER ----- 3B4508

- 4-BOLT ----- L-1351
- 4-LOCKWASHER ----- 3B4506
- 2-COVER ----- 1F9386
- 2-GASKET ----- 1F9387

- 4K5573-COVER ----- 1
- 3K4156-GASKET ----- 1
- L-1351-BOLT ----- 8
- 3B4506-LOCKWASHER ----- 8
- 3K4157-COVER ----- 1
- 3K4158-GASKET ----- 1

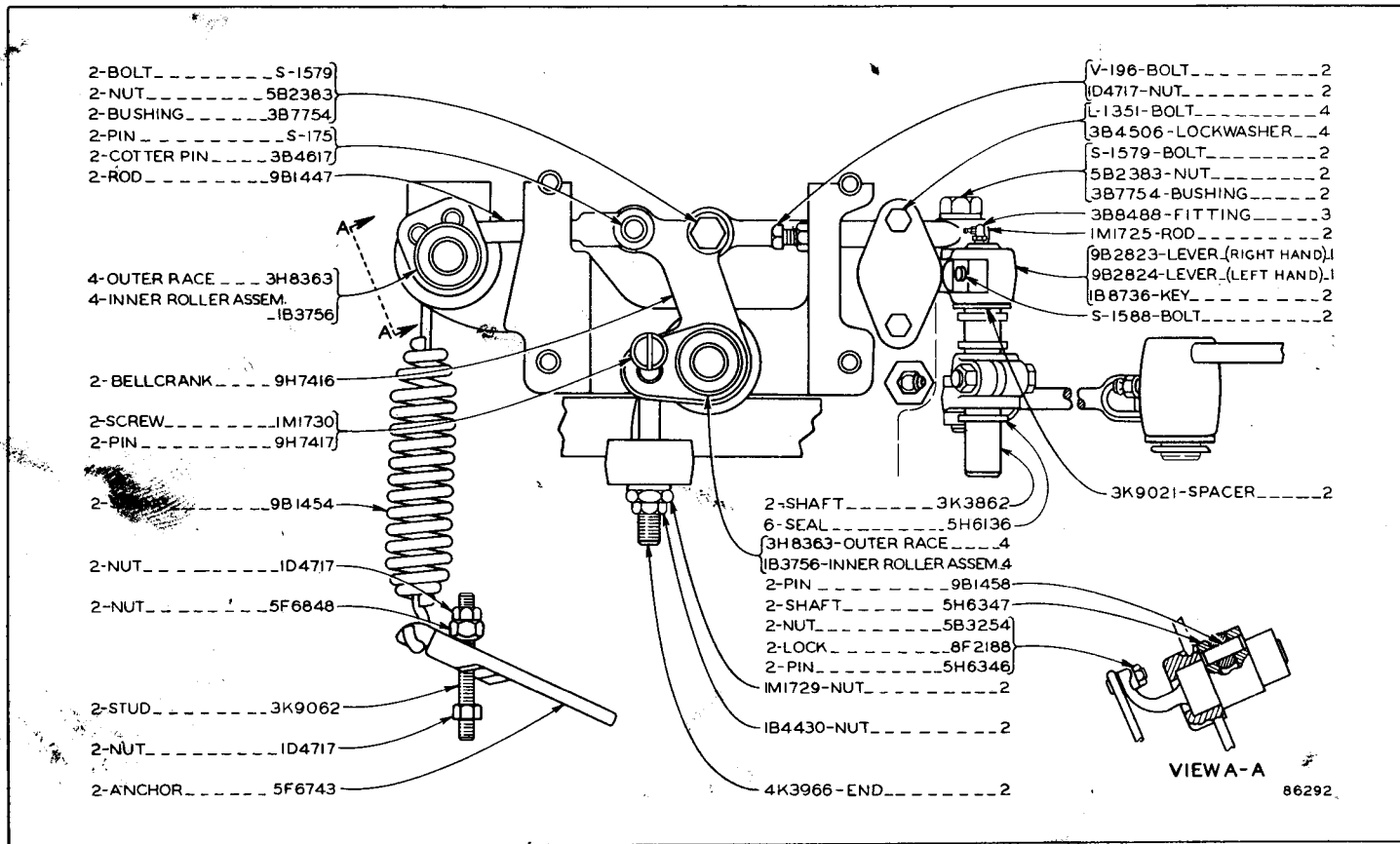
92890

STEERING CLUTCH CASE AND COVERS—Part Two



72420

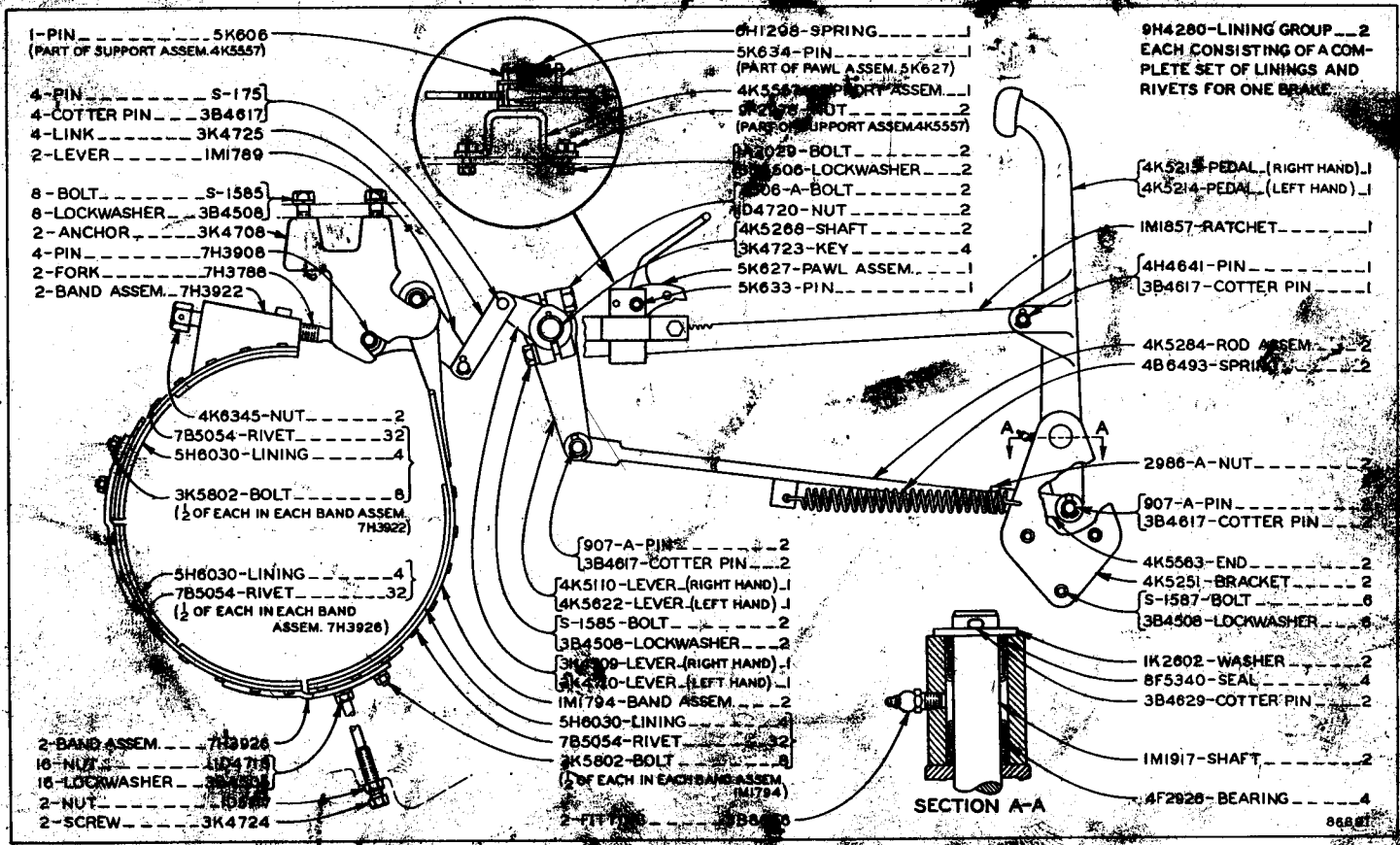
STEERING CLUTCH CONTROL—Side View



STEERING CLUTCH CONTROL—Top View

CATERPILLAR PARTS GIVE CATERPILLAR PERFORMANCE

TRACTOR TRANSMISSION AND CHASSIS



1-PIN ----- 5K606
(PART OF SUPPORT ASSEM.4K5557)

4-PIN ----- S-175
4-COTTER PIN --- 3B4617
4-LINK ----- 3K4725
2-LEVER ----- IMI789

8-BOLT ----- S-1585
8-LOCKWASHER --- 3B4508
2-ANCHOR ----- 3K4708
4-PIN ----- 7H3908
2-FORK ----- 7H3788
2-BAND ASSEM. --- 7H3922

4K6345-NUT ----- 2
7B5054-RIVET ----- 32
5H6030-LINING ----- 4
3K5802-BOLT ----- 8
(1/2 OF EACH IN EACH BAND ASSEM. 7H3922)

5H6030-LINING ----- 4
7B5054-RIVET ----- 32
(1/2 OF EACH IN EACH BAND ASSEM. 7H3926)

2-BAND ASSEM. --- 7H3926
16-NUT ----- 16K4718
16-LOCKWASHER --- 16K4718
2-NUT ----- 16K4718
2-SCREW ----- 3K4724

OH1208-SPRING ----- 1

5K634-PIN ----- 1
(PART OF PAWL ASSEM.5K627)

4K5547-SPINDRY ASSEM. --- 1
6K2726-NUT ----- 2
(PART OF SUPPORT ASSEM.4K5557)

3K929-BOLT ----- 2
5K606-LOCKWASHER ----- 2
5K606-A-BOLT ----- 2
D4720-NUT ----- 2
4K5288-SHAFT ----- 2
3K4723-KEY ----- 4
5K627-PAWL ASSEM. --- 1
5K633-PIN ----- 1

9H4280-LINING GROUP --- 2
EACH CONSISTING OF A COMPLETE SET OF LININGS AND RIVETS FOR ONE BRAKE

4K5215-PEDAL (RIGHT HAND) --- 1
4K5214-PEDAL (LEFT HAND) --- 1

IMI857-RATCHET ----- 1

4H4641-PIN ----- 1
3B4617-COTTER PIN ----- 1

4K5284-ROD ASSEM. --- 2
4B6493-SPRING ----- 2

2986-A-NUT ----- 2

907-A-PIN ----- 2
3B4617-COTTER PIN ----- 2

4K5563-END ----- 2
4K5251-BRACKET ----- 2
S-1587-BOLT ----- 8
3B4508-LOCKWASHER ----- 8

1K2602-WASHER ----- 2
8F5340-SEAL ----- 4
3B4629-COTTER PIN ----- 2

IMI917-SHAFT ----- 2
4F2926-BEARING ----- 4

907-A-PIN ----- 2
3B4617-COTTER PIN ----- 2

4K5110-LEVER (RIGHT HAND) --- 1
4K5622-LEVER (LEFT HAND) --- 1

S-1585-BOLT ----- 2
3B4508-LOCKWASHER ----- 2

3K4708-LEVER (RIGHT HAND) --- 1
3K4720-LEVER (LEFT HAND) --- 1

IMI794-BAND ASSEM. --- 2
5H6030-LINING ----- 4

7B5054-RIVET ----- 32
3K5802-BOLT ----- 8

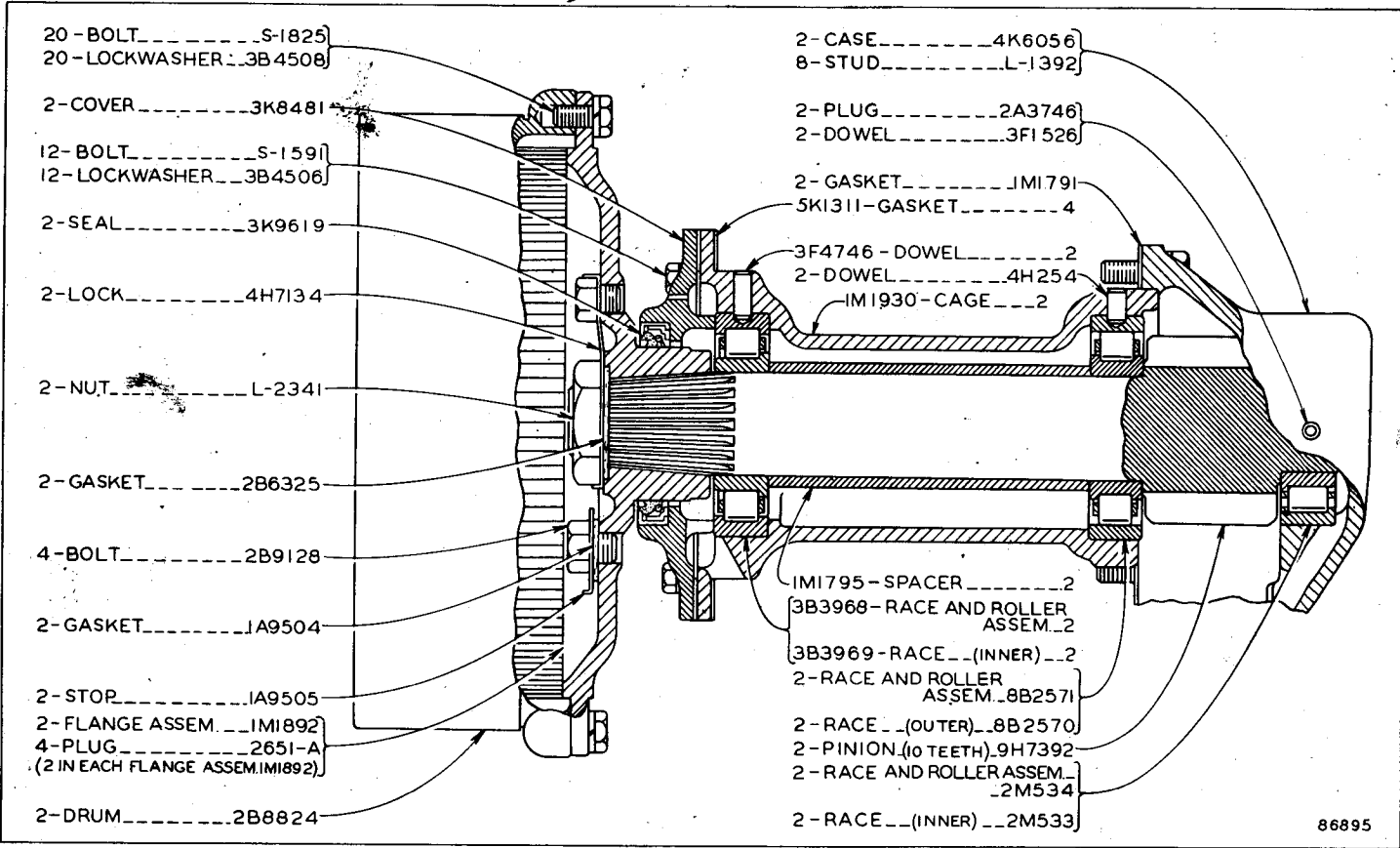
(1/2 OF EACH IN EACH BAND ASSEM. IMI794)

2-PISTON ----- 2
2-PISTON ----- 2

SECTION A-A

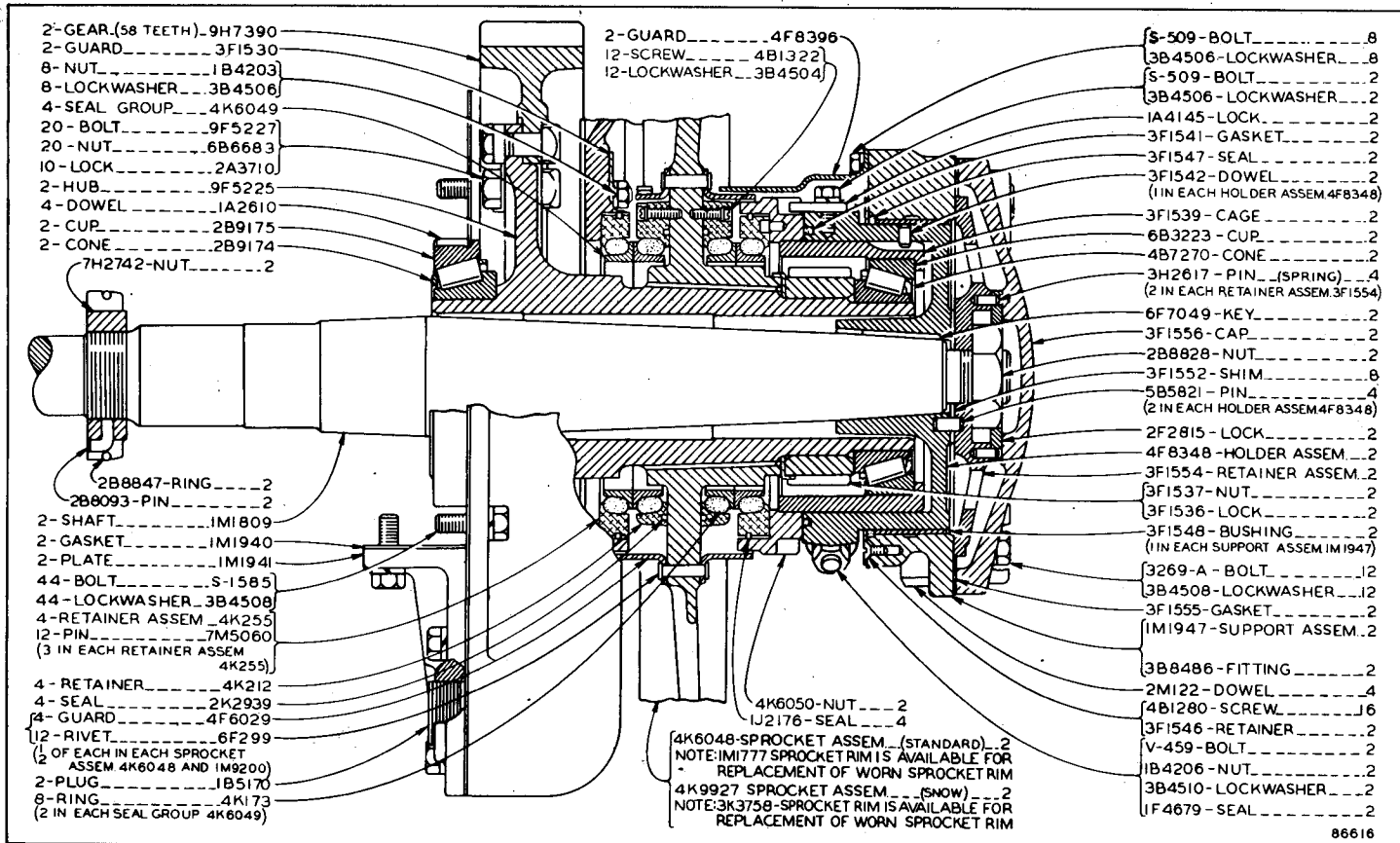
86801

BRAKES



86895

FINAL DRIVE—Part One
 Serial No. 78A1 to 78A2523 inclusive
 Note: Quantities shown are those required for both R.H. and L.H. sides



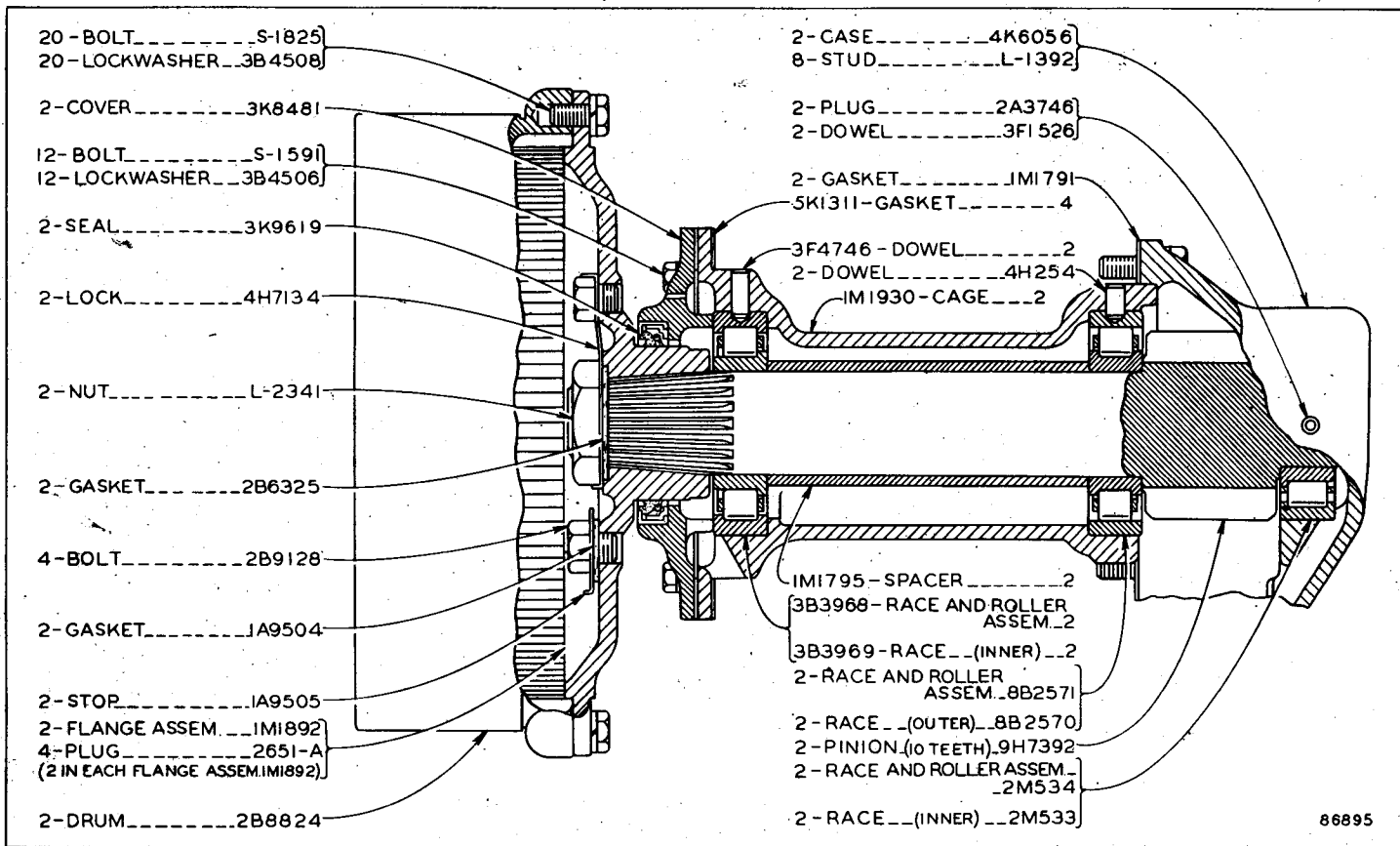
FINAL DRIVE—Part Two

Serial No. 78A1 to 78A2523 inclusive
 Note: Quantities shown are those required for both R.H. and L.H. sides

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

668

CATERPILLAR D4 TRACTOR

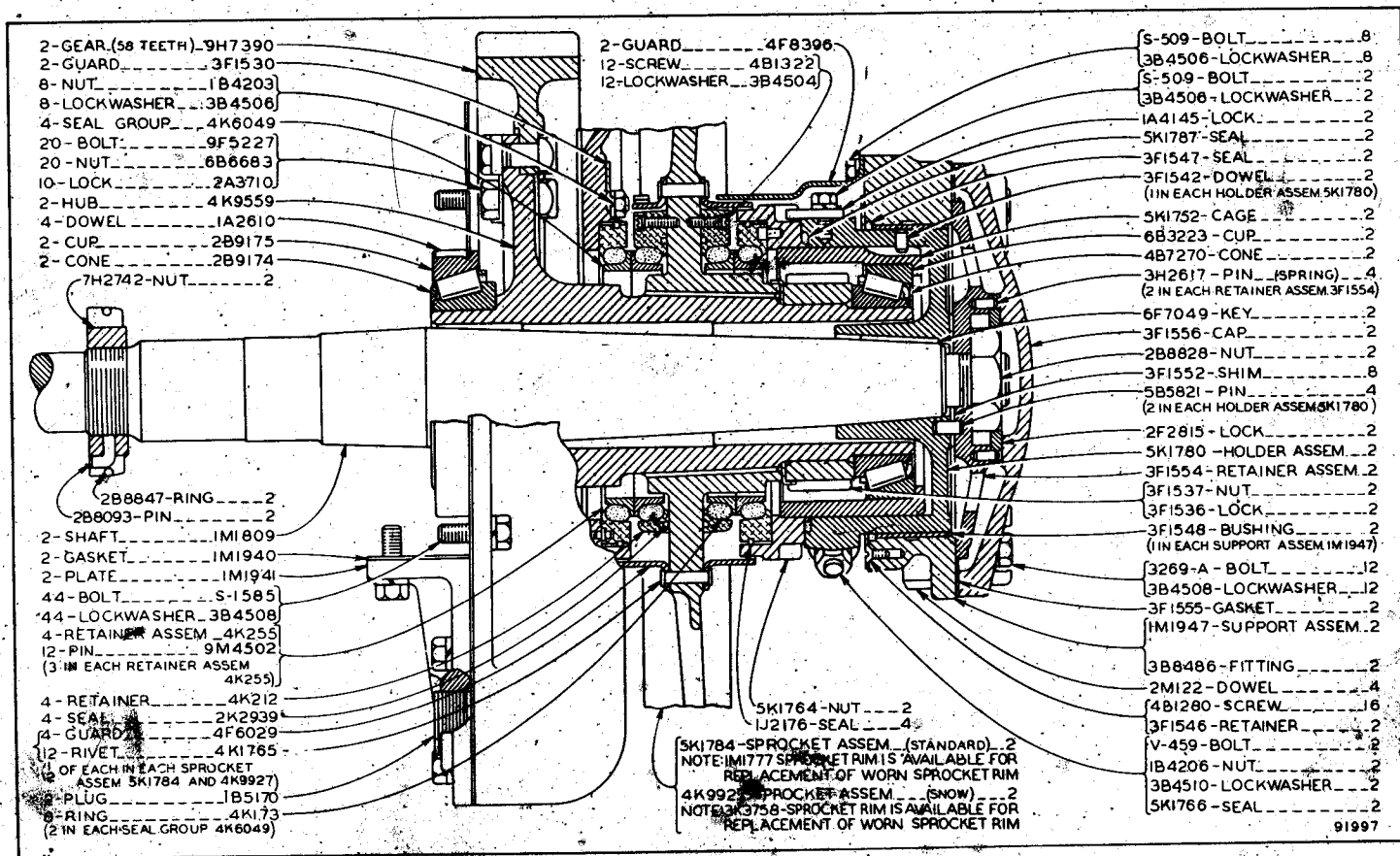


86895

FINAL DRIVE—Part One

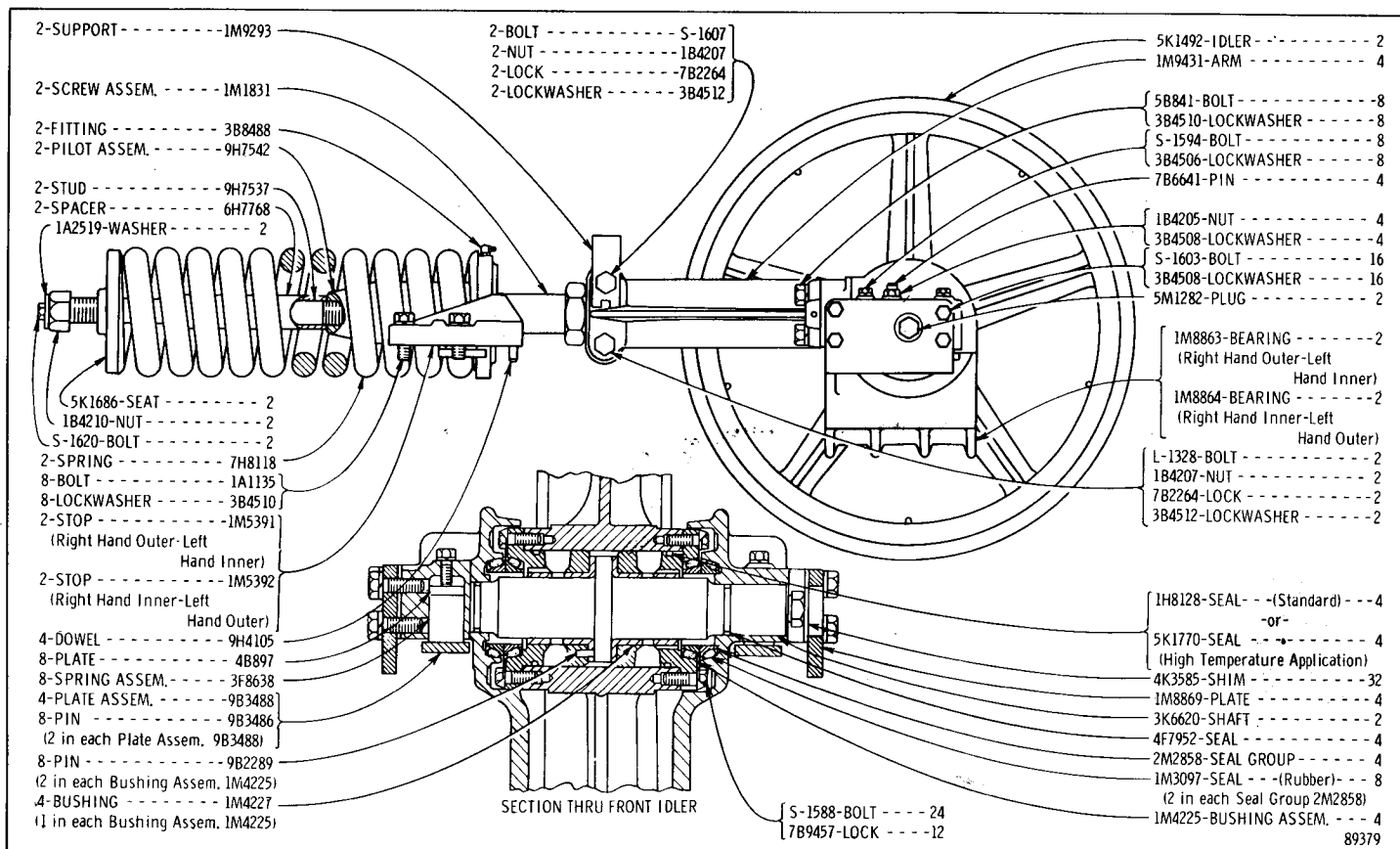
Effective with Serial No. 78A2524

Note: Quantities shown are those required for both R.H. and L.H. sides



FINAL DRIVE—Part Two
 Effective with Serial No. 78A2524

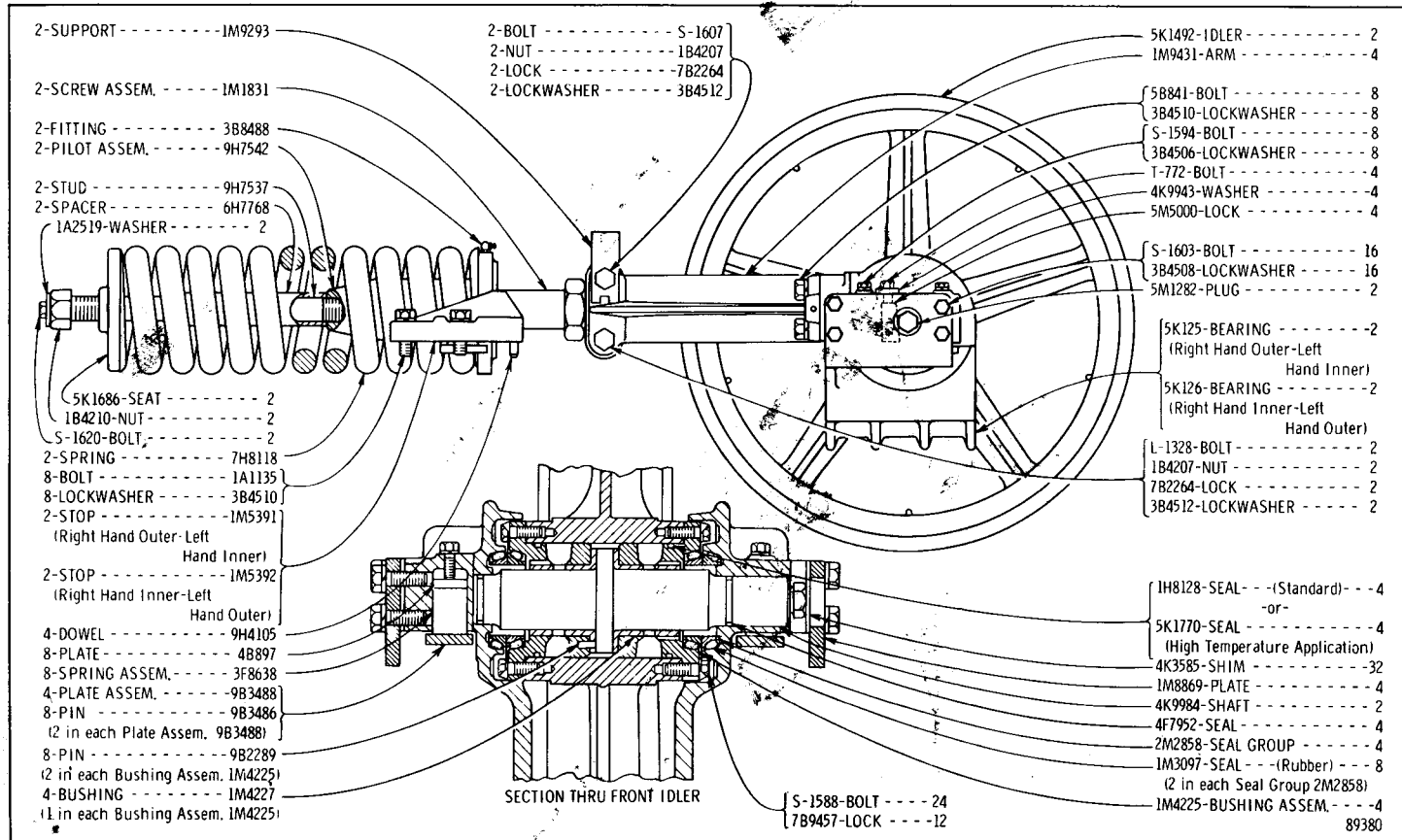
Note: Quantities shown are those required for both R.H. and L.H. sides



FRONT IDLER

Serial No. 78A1 to 78A1620 inclusive

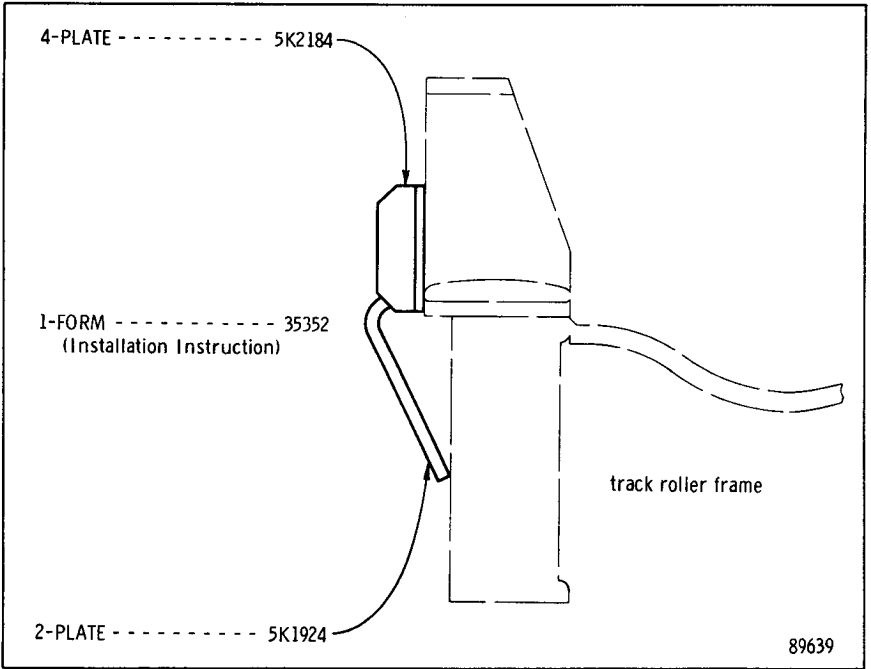
Note: Quantities shown are those required for both R.H. and L.H. sides. Refer also to Page 139 for special parts



FRONT IDLER

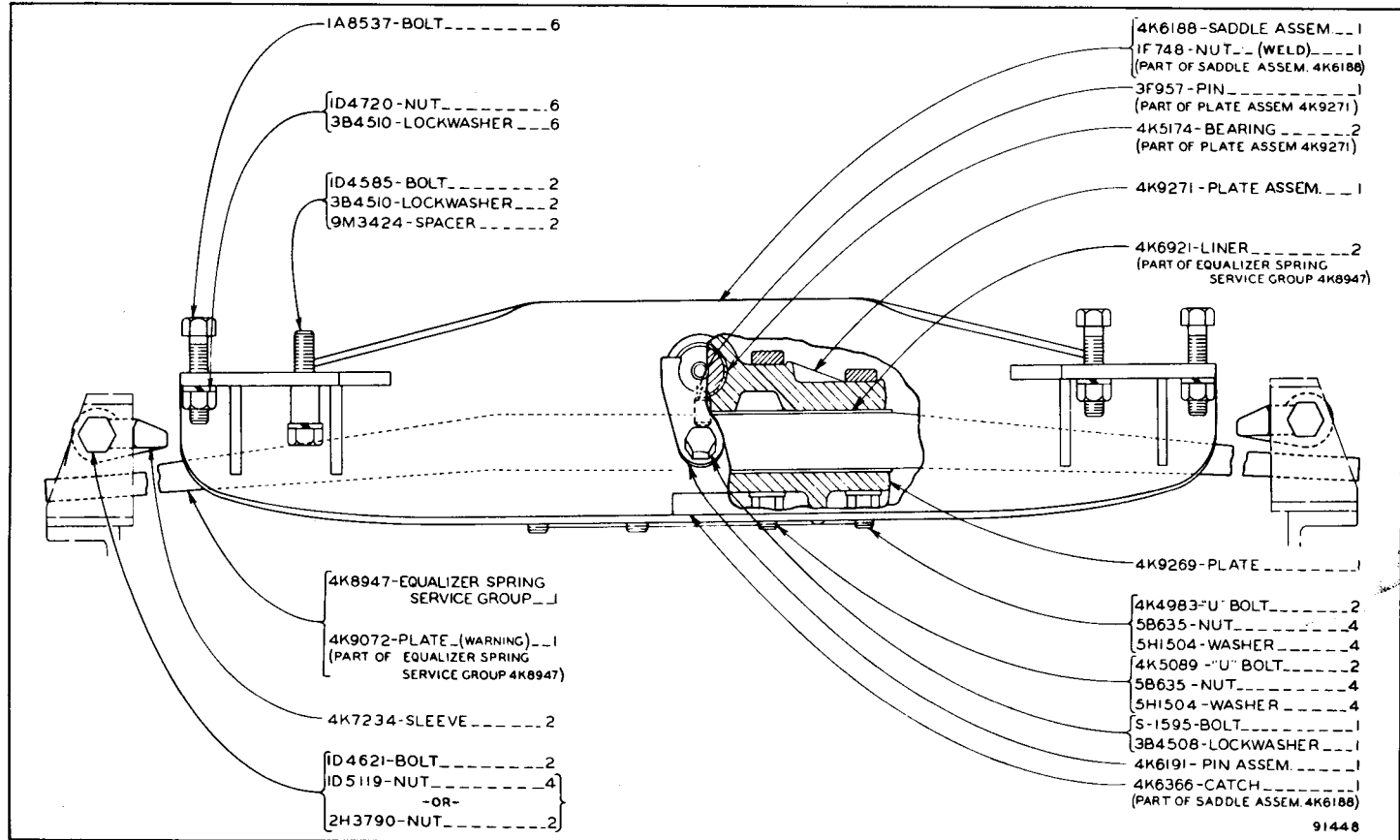
Effective with Serial No. 78A1621

Note: Quantities shown are those required for both R.H. and L.H. sides. Refer also to Page 139 for special parts



5K2522 EQUALIZER SPRING SUPPORT EXTENSION GROUP—Field Installation
Serial No. 78A1 to 78A1248 inclusive

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



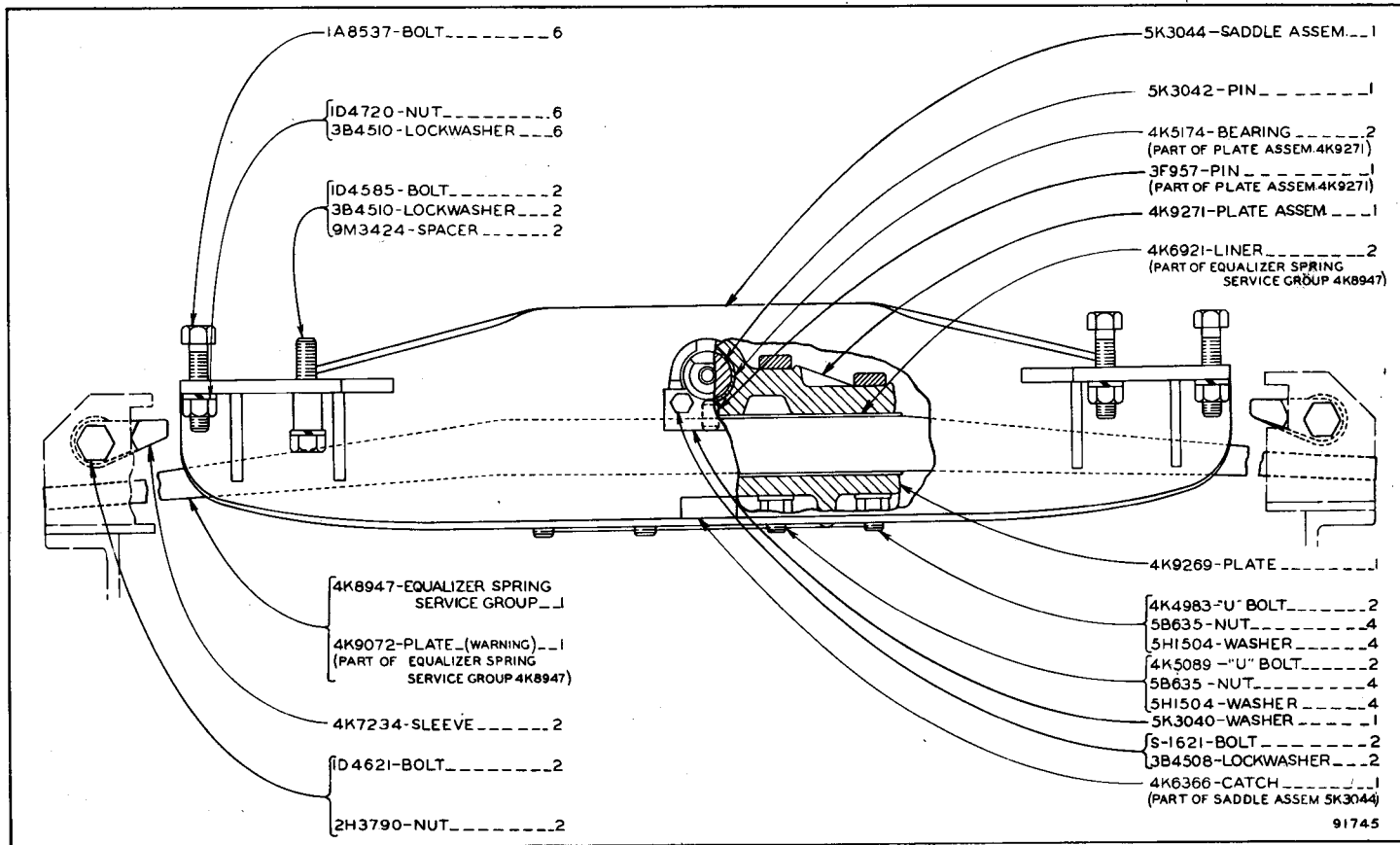
CLUTCH, TRANSMISSION AND CHASSIS

68C

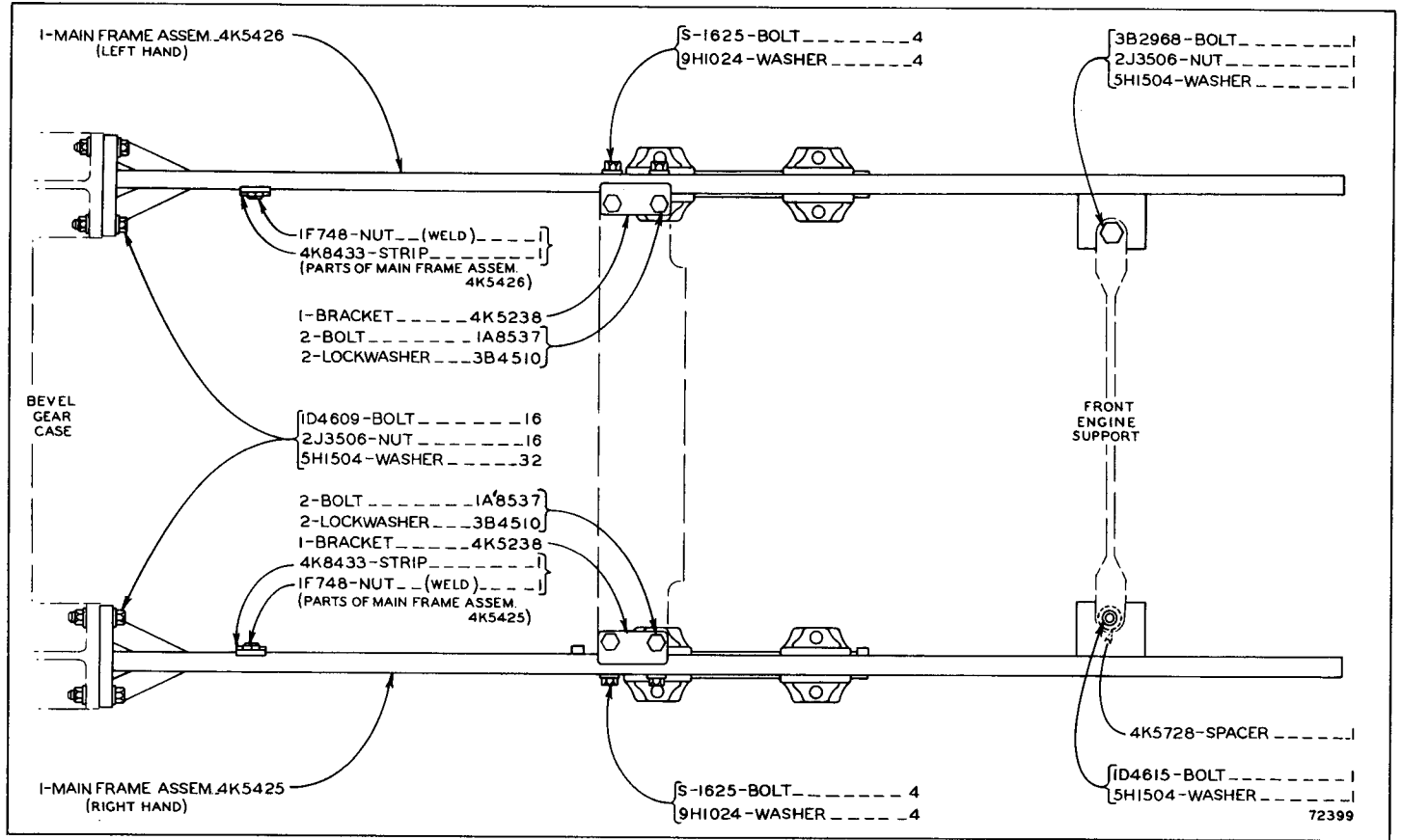
91446

EQUALIZER SPRING

Serial No. 78A1 to 78A2472 inclusive



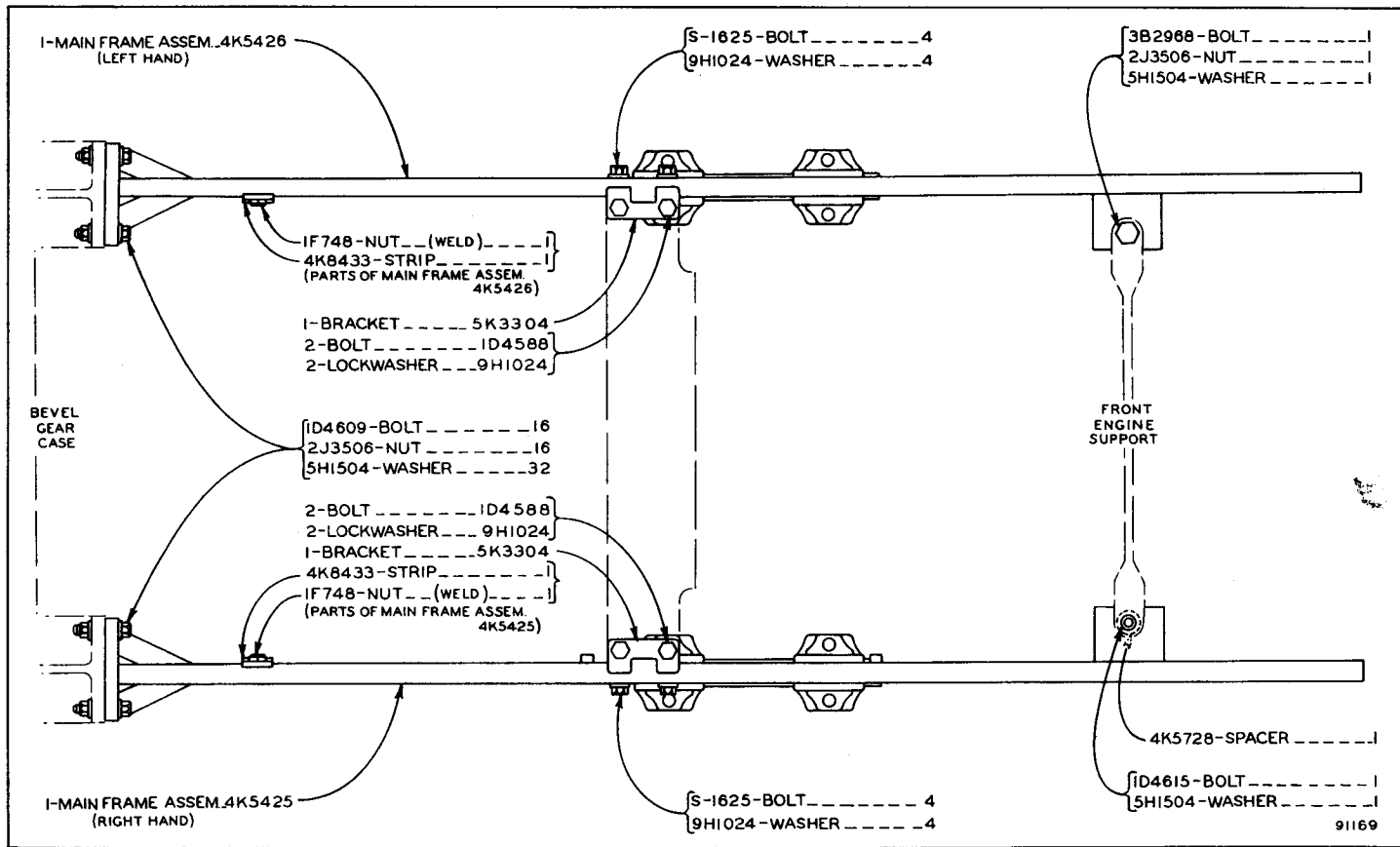
EQUALIZER SPRING
Effective with Serial No. 78A2473



MAIN FRAME

Serial No. 78A1—78A2228, 78A2230, 78A2231, 78A2236, 78A2237, 78A2242, 78A2243, 78A2248, 78A2249 and 78A2250 inclusive

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

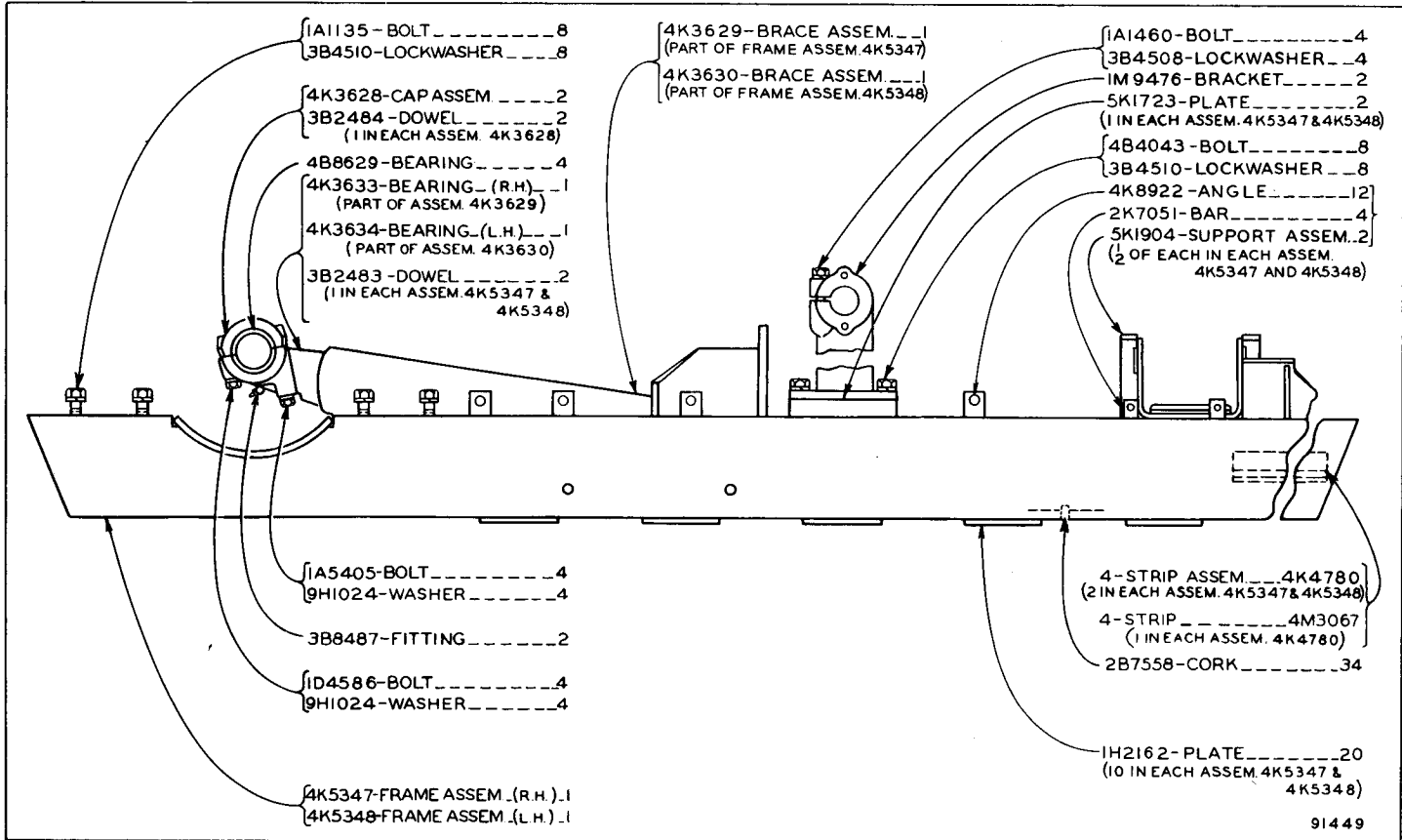


MAIN FRAME

Serial No. 78A2229, 78A2232 to 78A2235, 78A2238 to 78A2241, 78A2244 to 78A2247 and 78A2251—Up

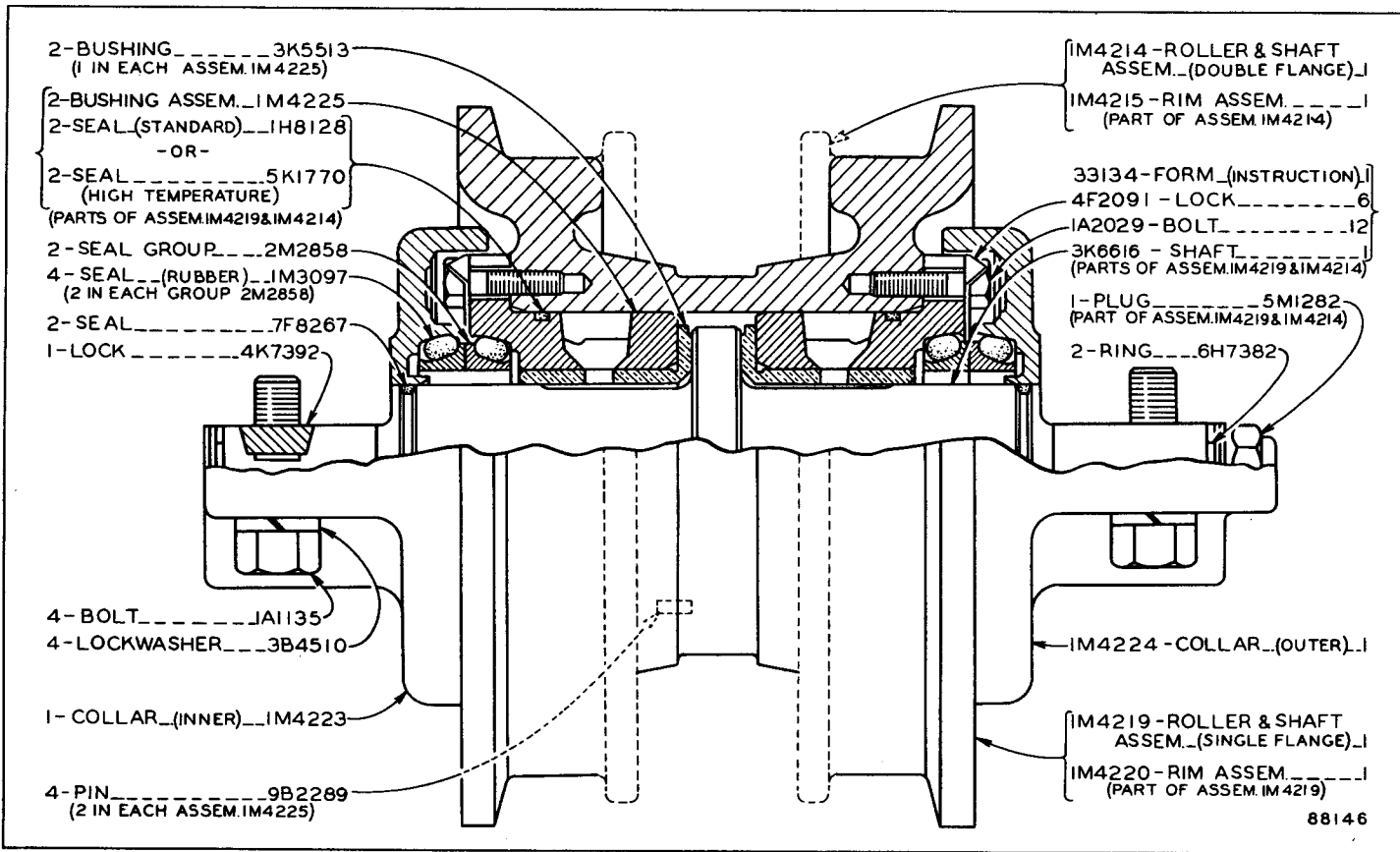
CLUTCH, TRANSMISSION AND CHASSIS

70A

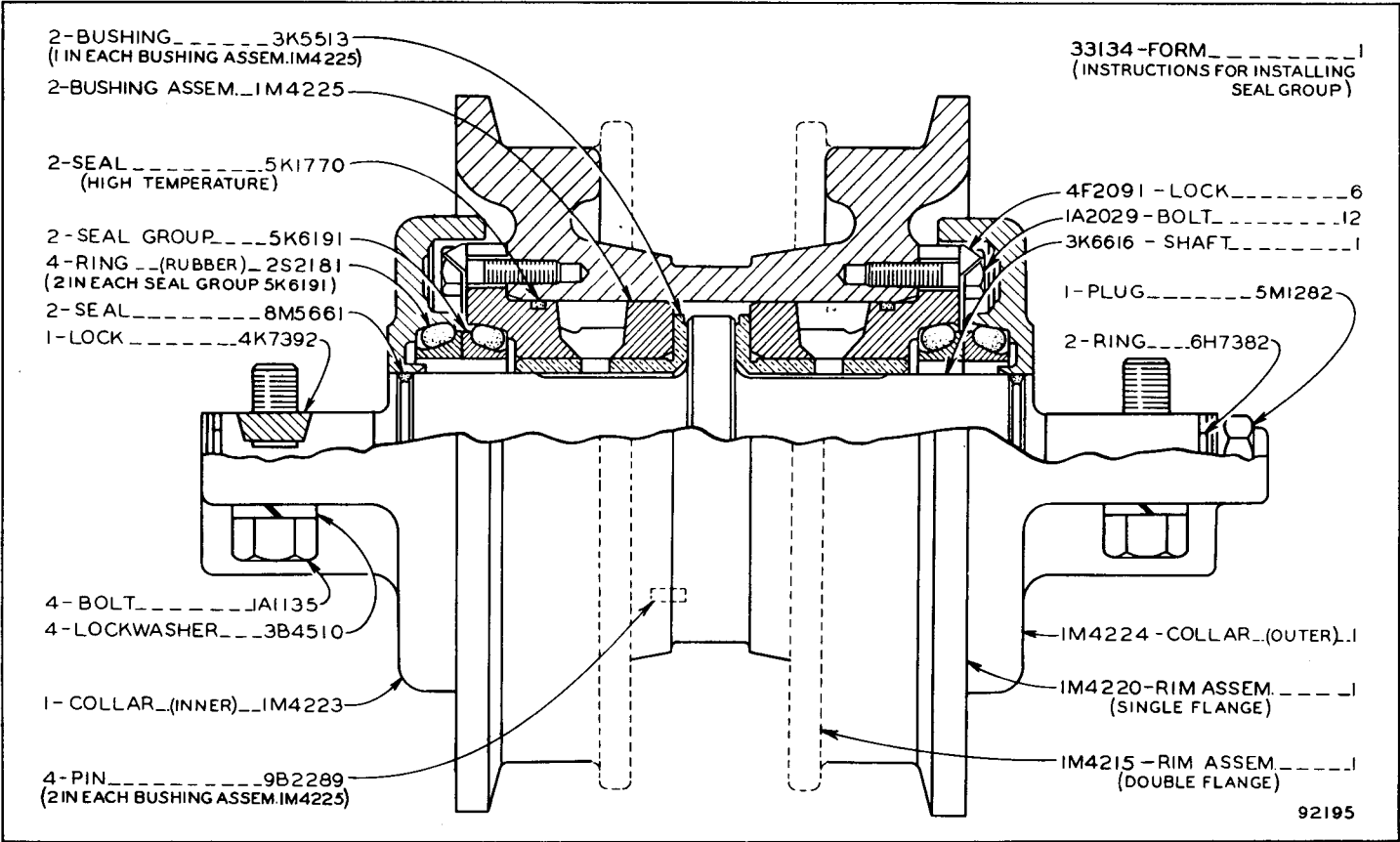


TRACK ROLLER FRAME

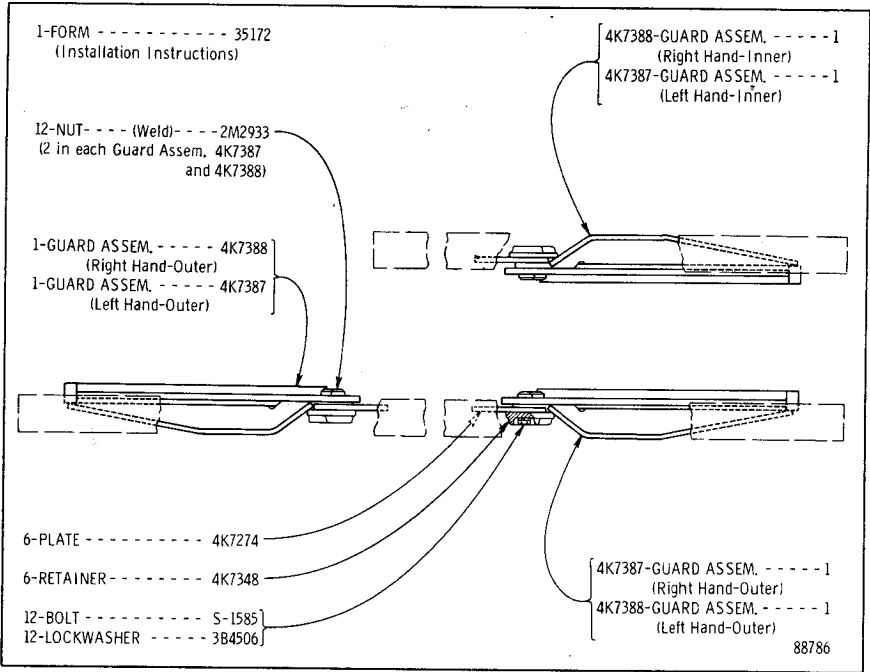
Note: Quantities shown are those required for both R.H. and L.H. sides



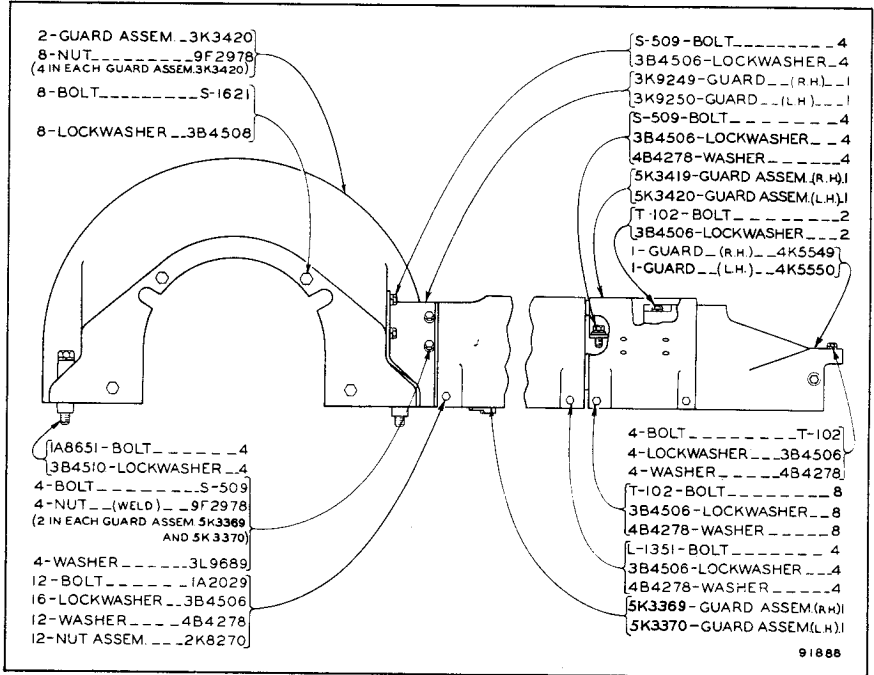
IM4218 TRACK ROLLER GROUP—Single Flange—4 Groups Required
IM4213 TRACK ROLLER GROUP—Double Flange—6 Groups Required



5K5202 TRACK ROLLER GROUP—Double Flange—6 Groups Required
 5K5203 TRACK ROLLER GROUP—Single Flange—4 Groups Required
 FOR USE IN AREAS WHERE HIGH TEMPERATURES ARE ENCOUNTERED



4K7391 TRACK ROLLER GUIDE GUARD GROUP—Field Installation

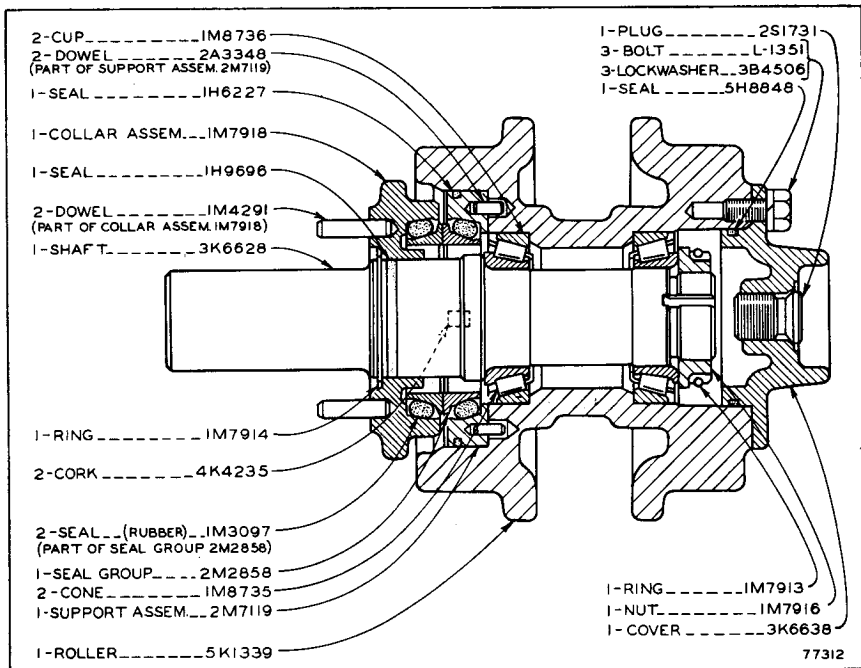


TRACK ROLLER FRAME GUARDS

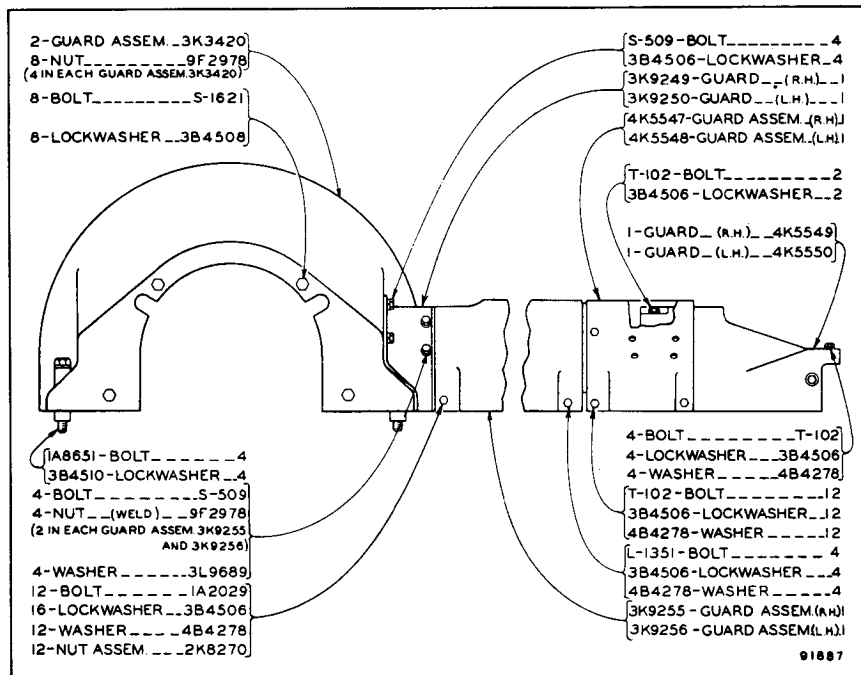
Effective with Serial No. 78A2637

Note: Quantities shown are those required for both R.H. and L.H. sides

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



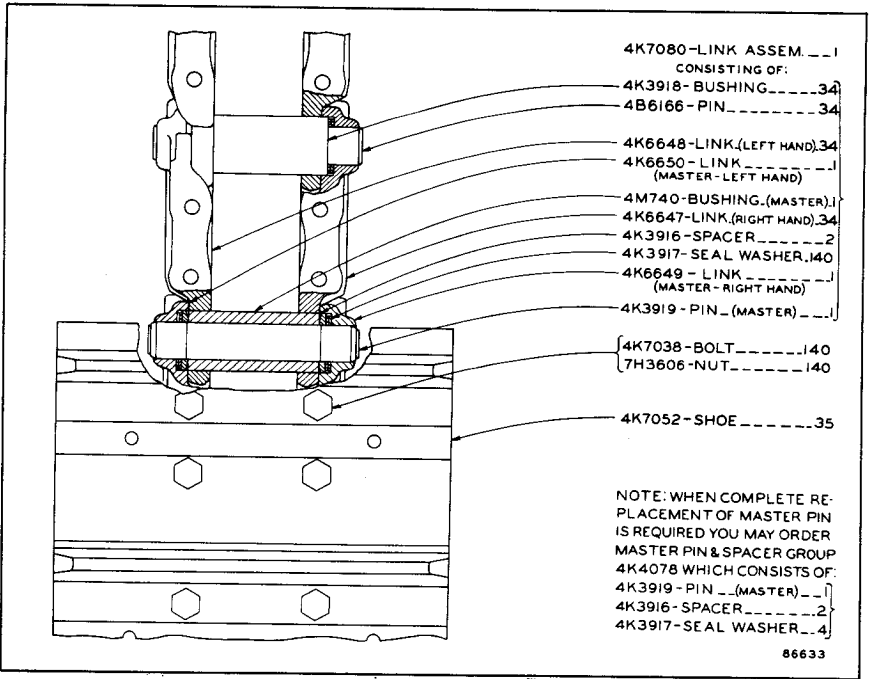
3K7962 TRACK CARRIER ROLLER GROUP—2 Groups Required



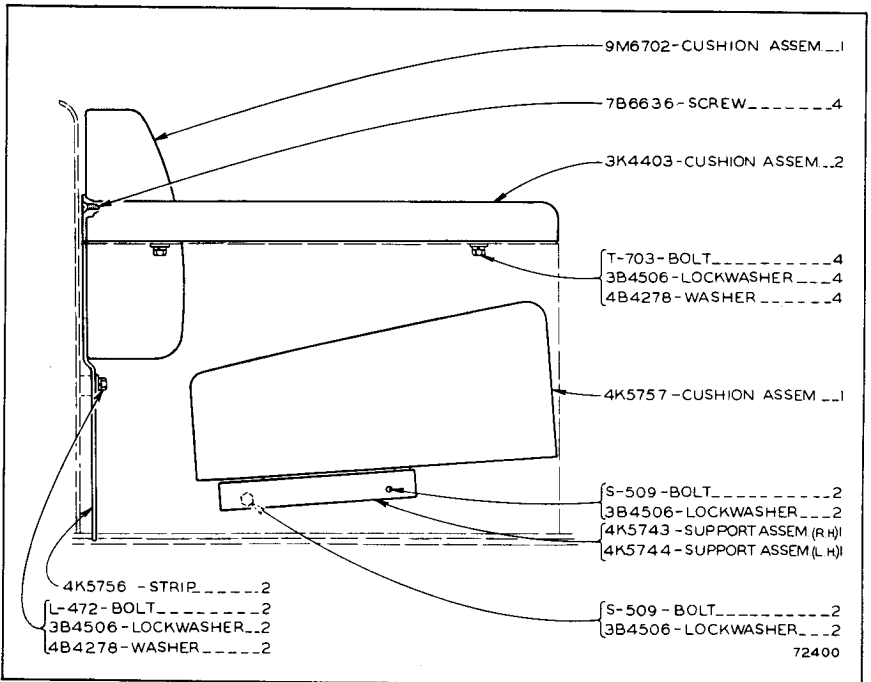
TRACK ROLLER FRAME GUARDS

Note: Quantities shown are those required for both R.H. and L.H. sides

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

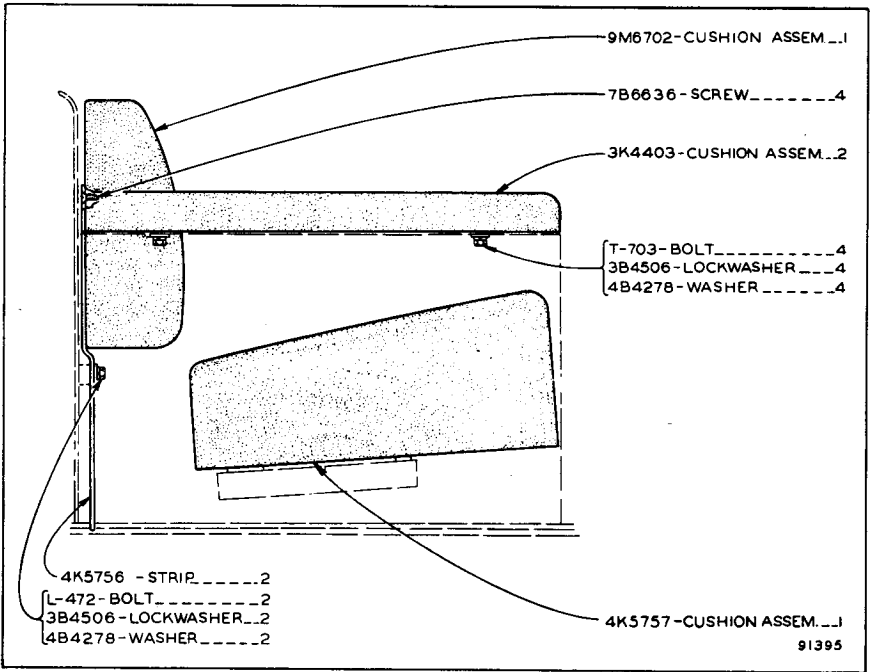


4K7105 TRACK GROUP—13" Grouser Shoe—2 Groups Required
 Refer also to Pages 140 through 143 for special parts



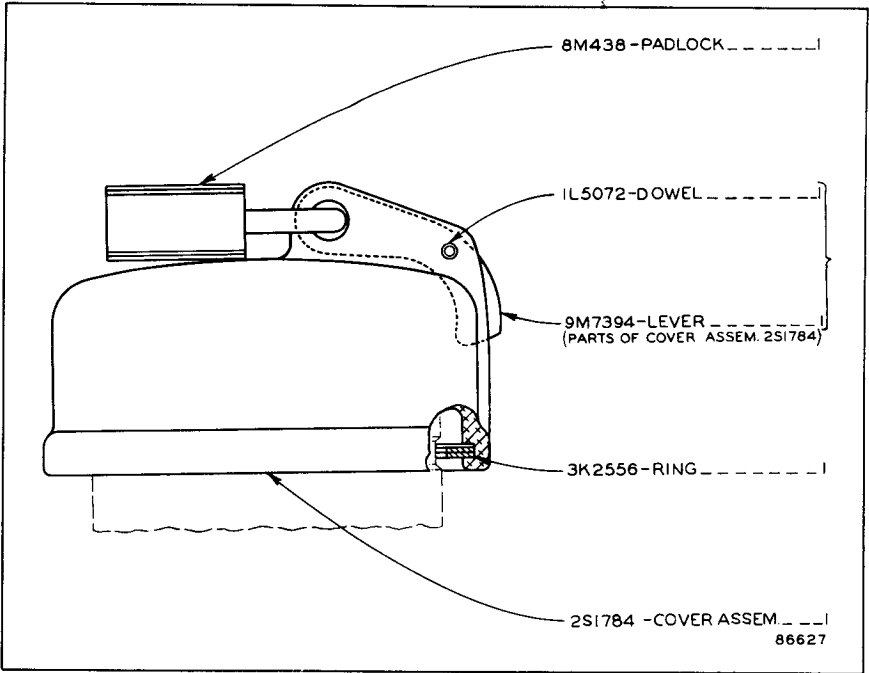
SEAT CUSHIONS
 Serial No. 78A1 to 78A1896 inclusive
 Refer also to Page 94 for special parts

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



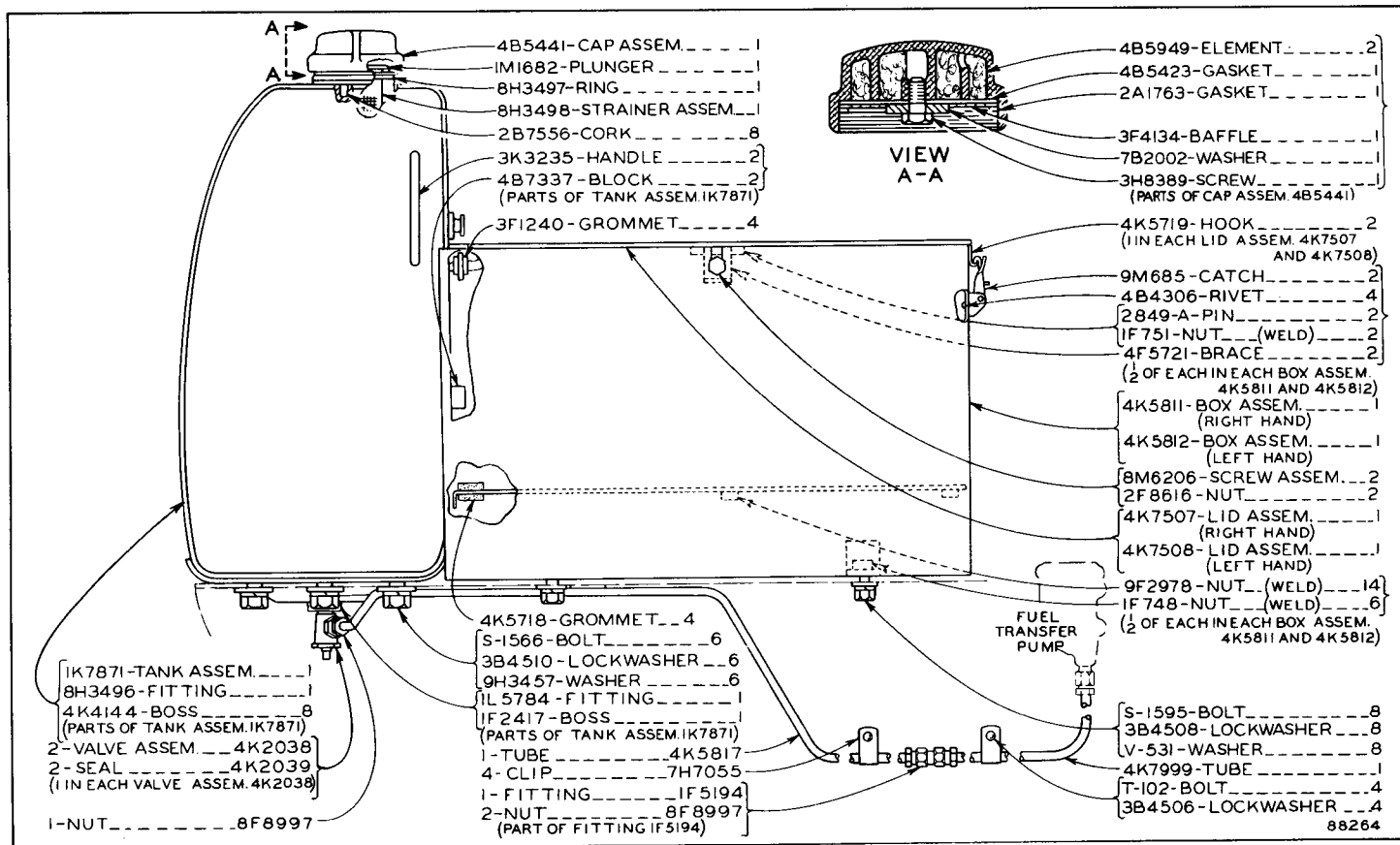
SEAT CUSHIONS

Effective with Serial No. 78A1897



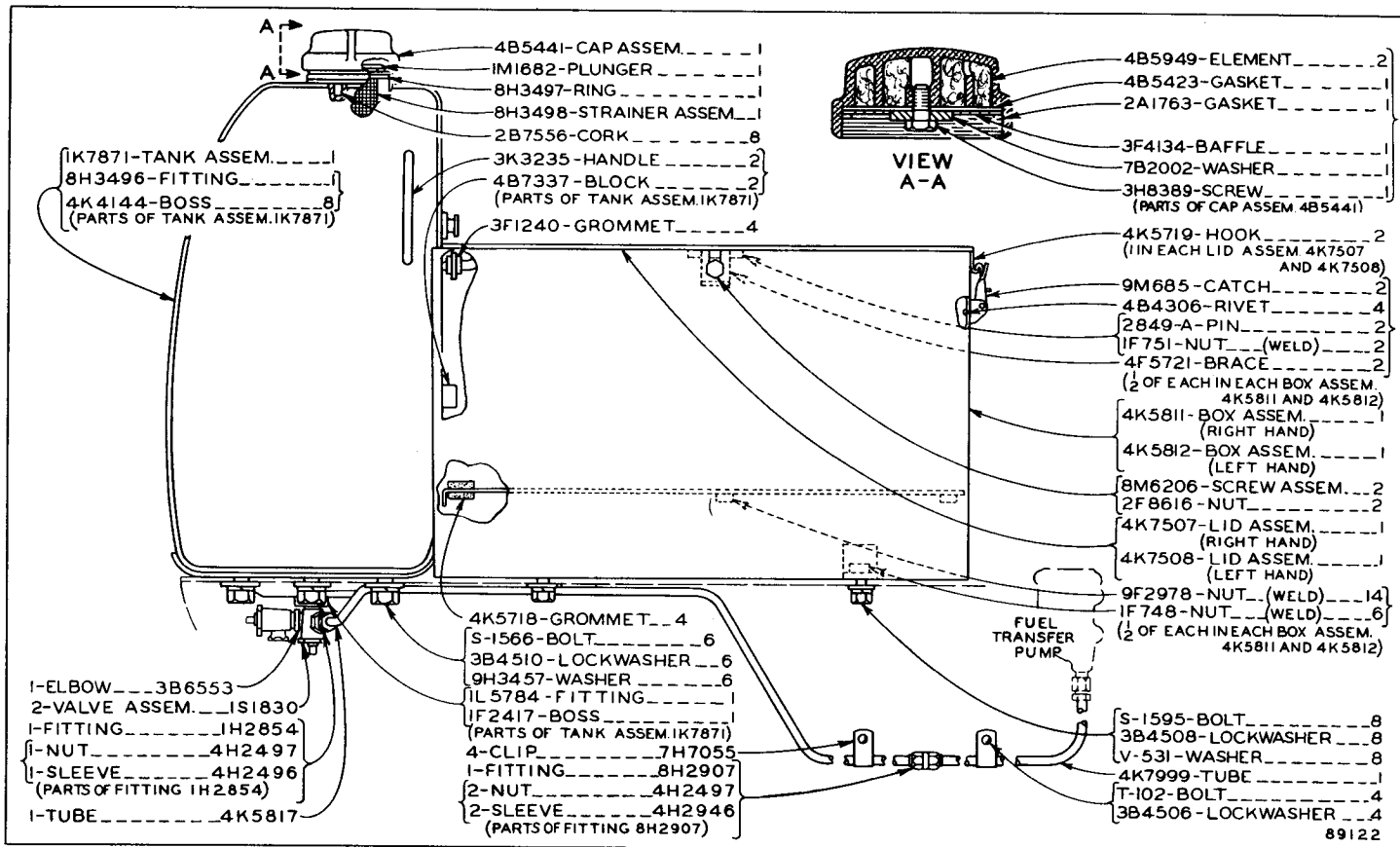
IS6307 PROTECTION COVER GROUP
Provides protective cover for Fuel Tank Cap

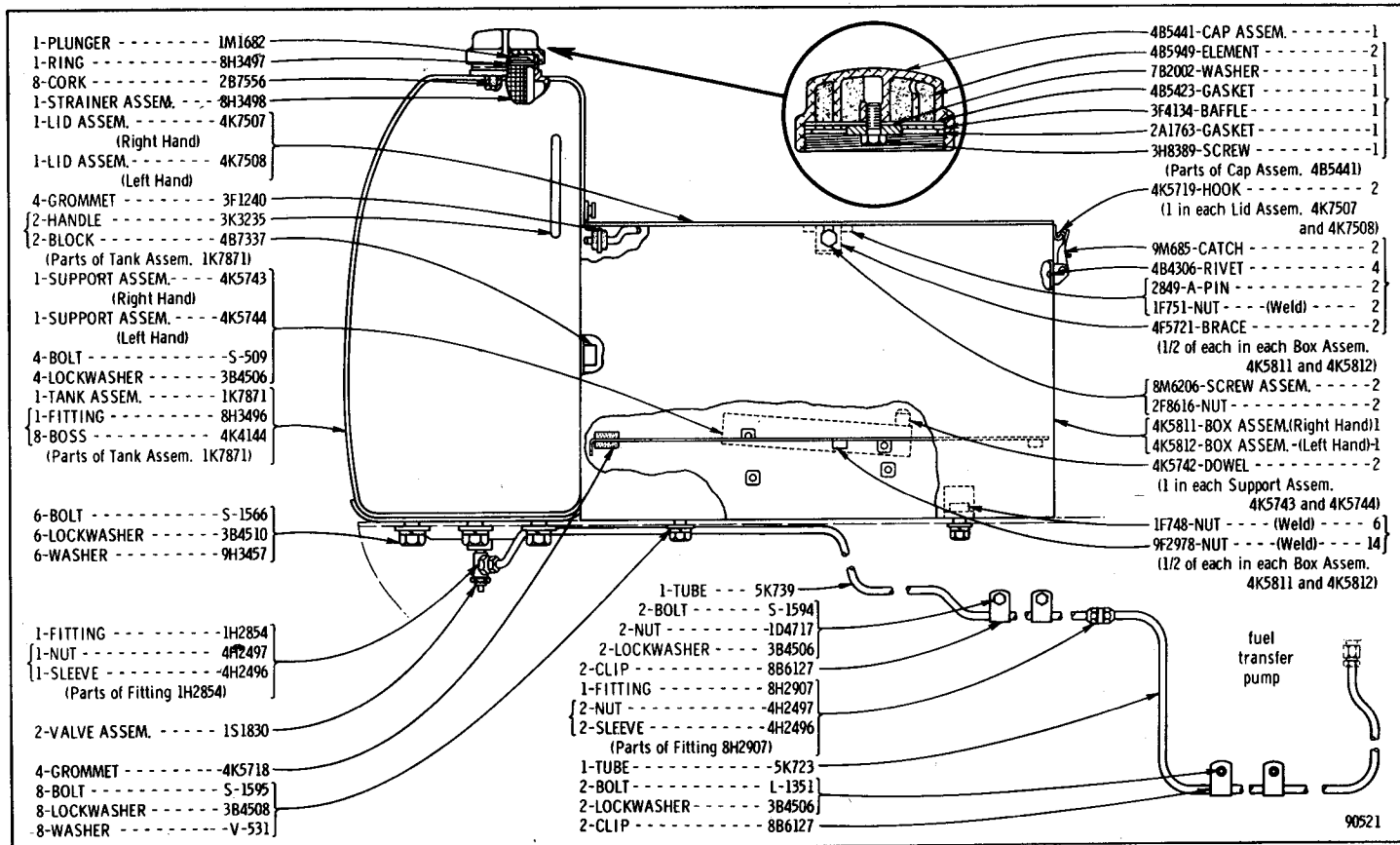
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



CLUTCH, TRANSMISSION AND CHASSIS

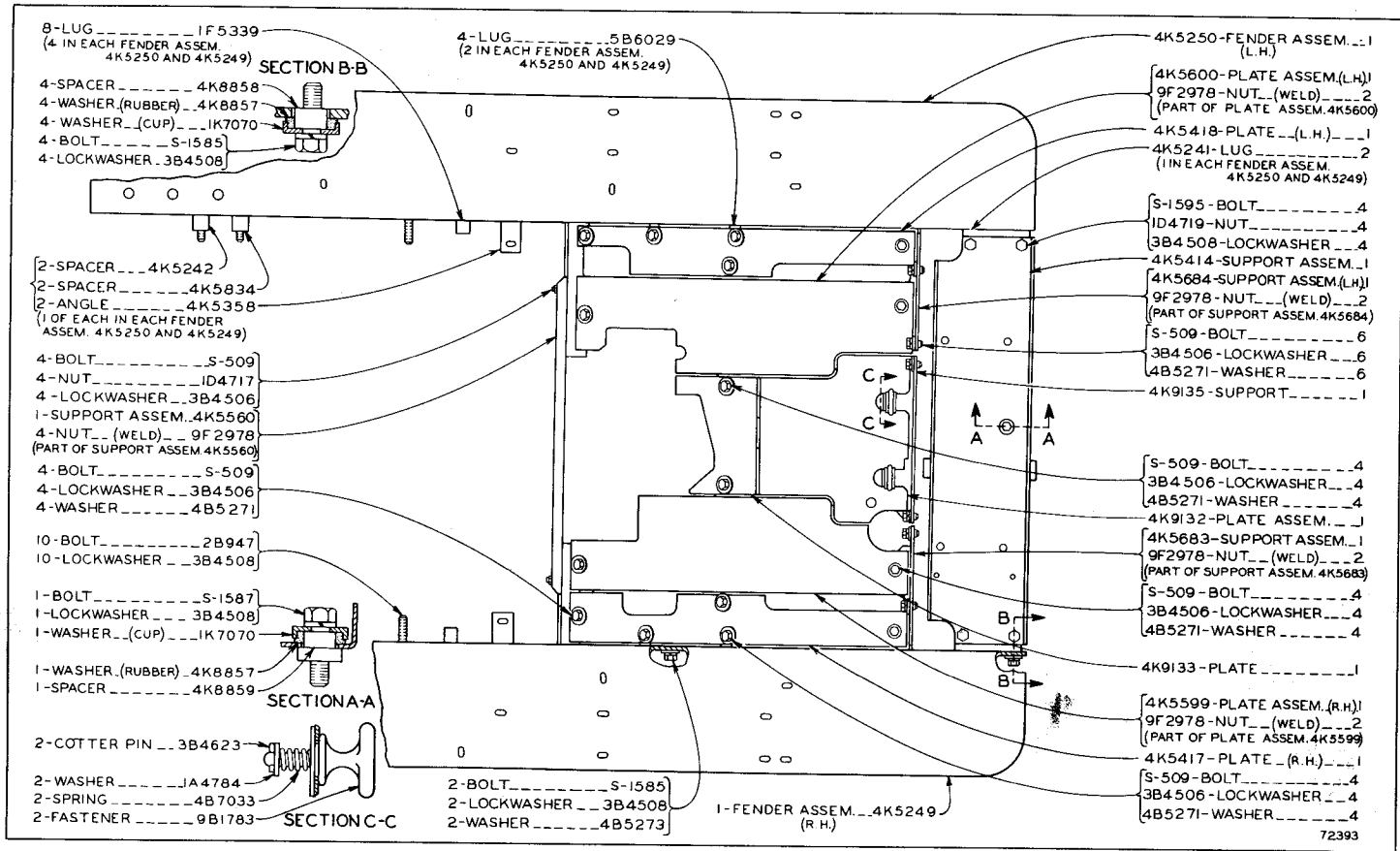
74C



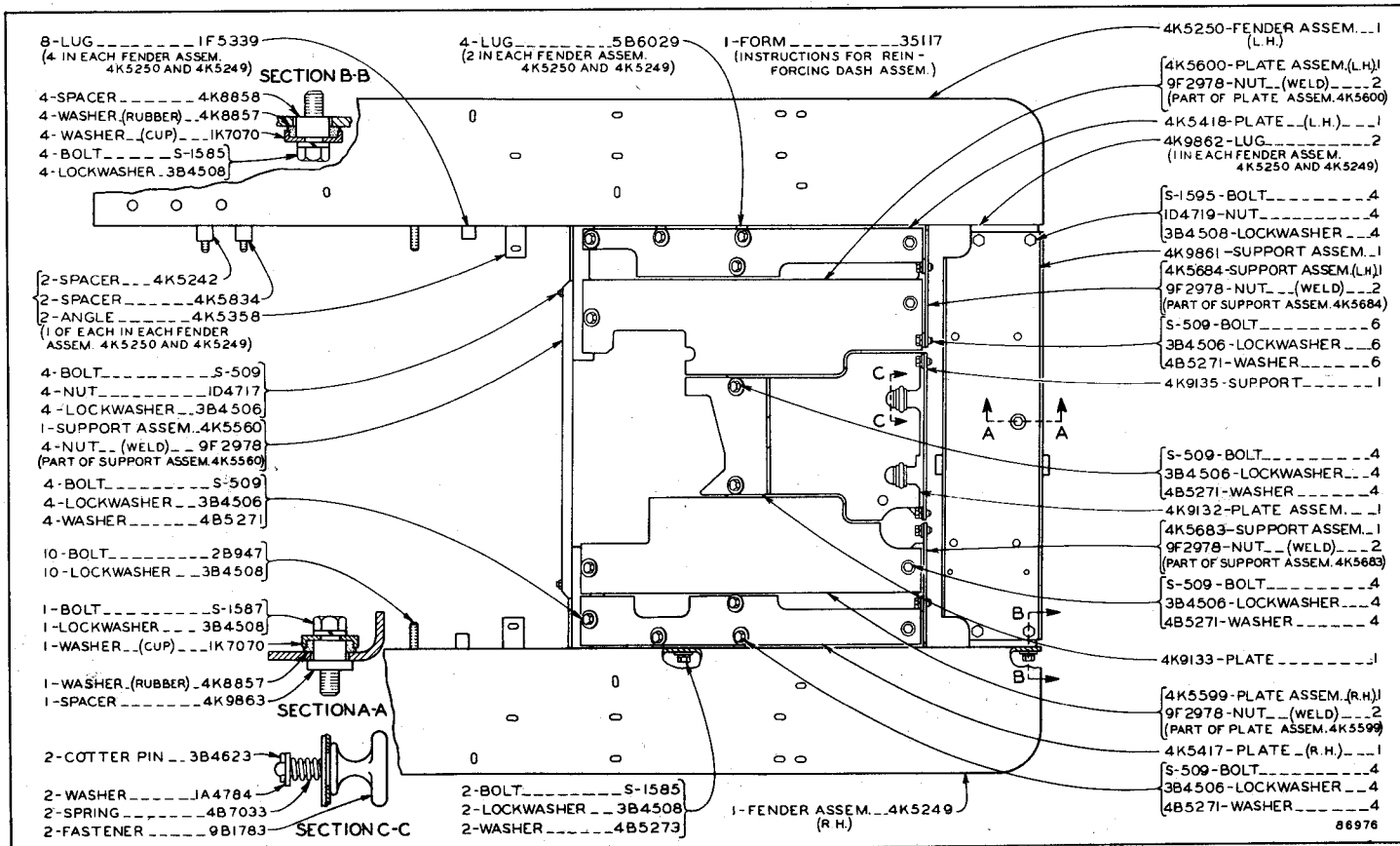


FUEL SYSTEM AND BATTERY BOX
 Effective with Serial No. 78A1897

90521



FENDERS
Serial No. 78A1 to 78A399 inclusive

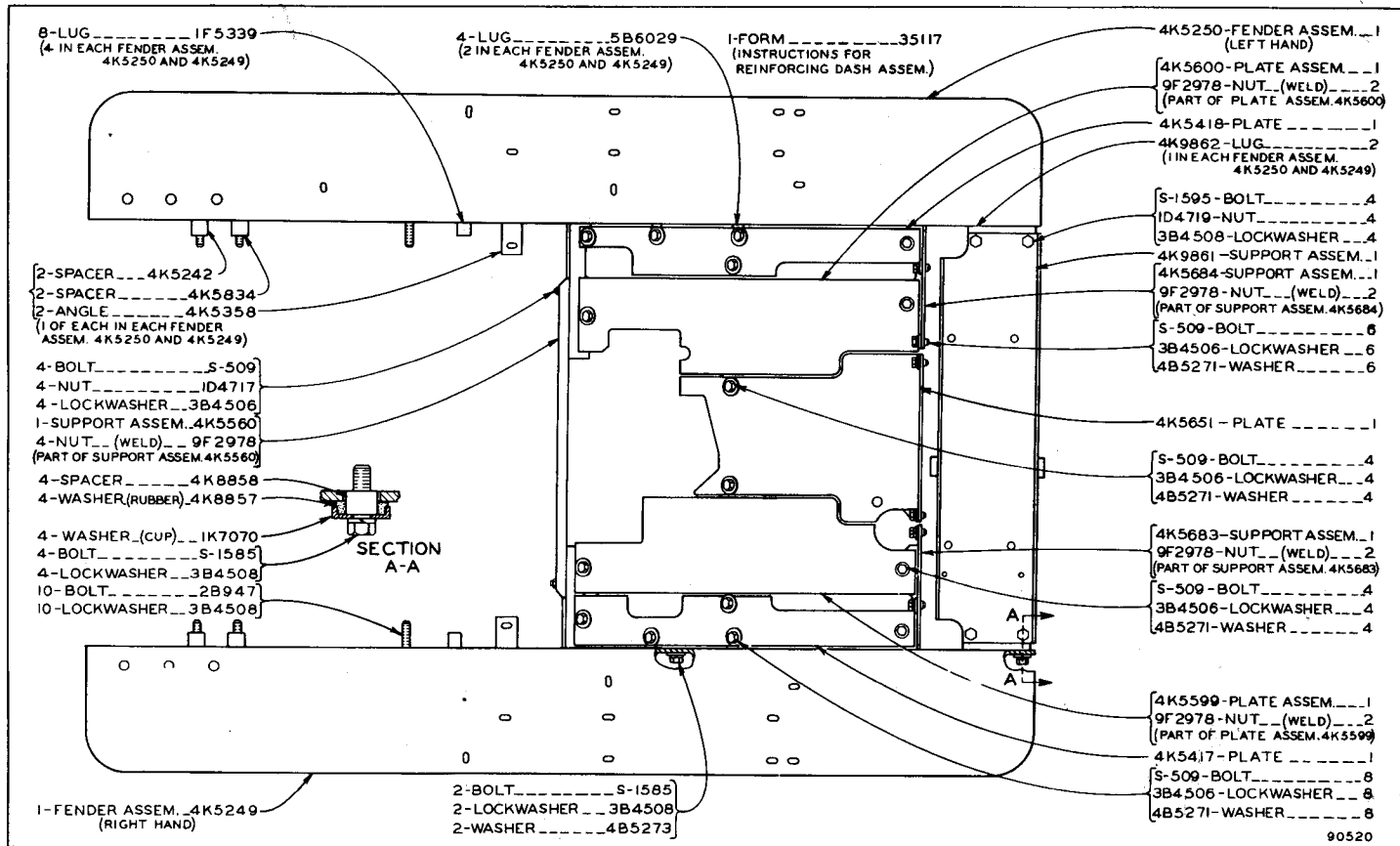


FENDERS
Serial No. 78A400 to 78A1880 inclusive

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

76B

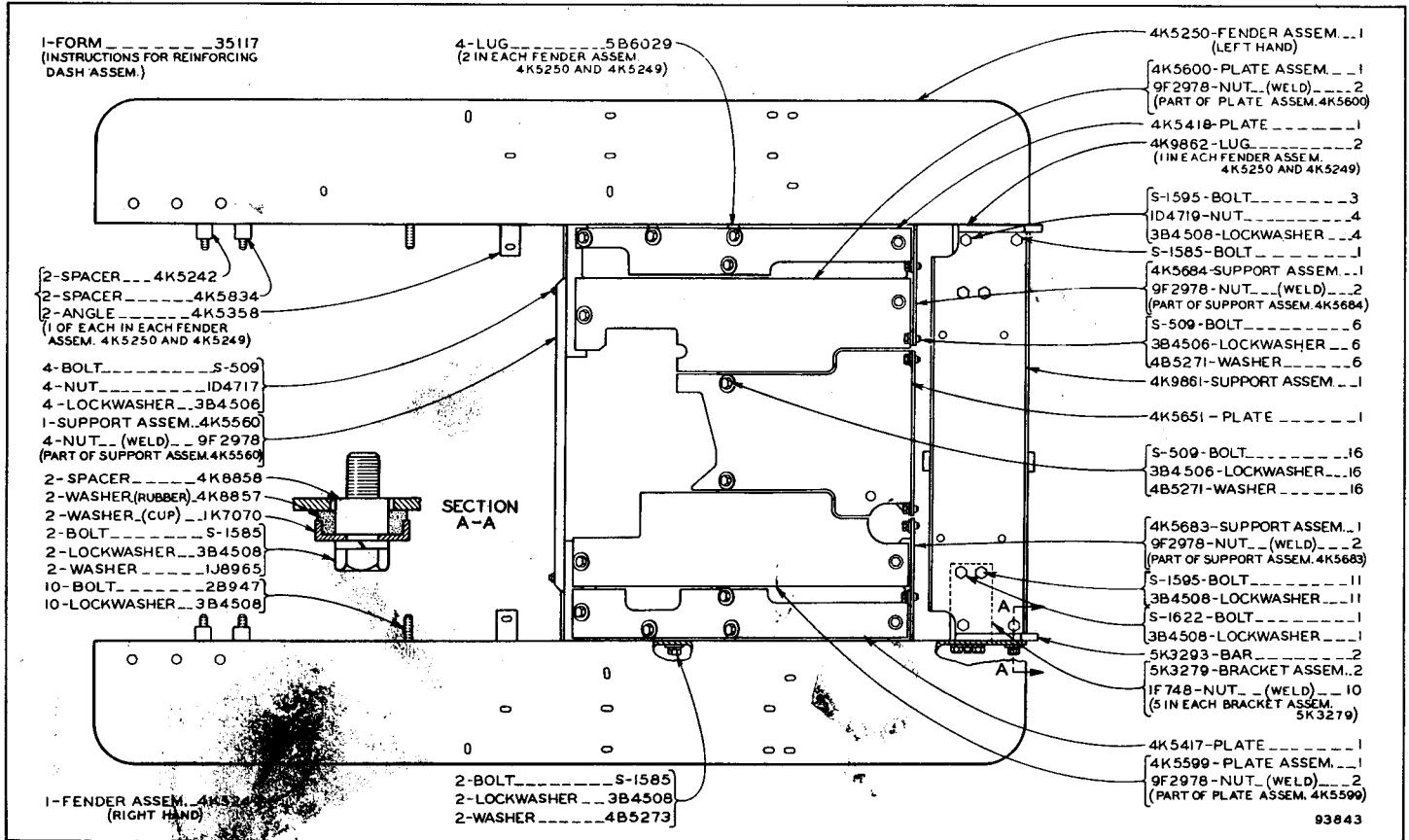
CATERPILLAR D4 TRACTOR



90520

FENDERS

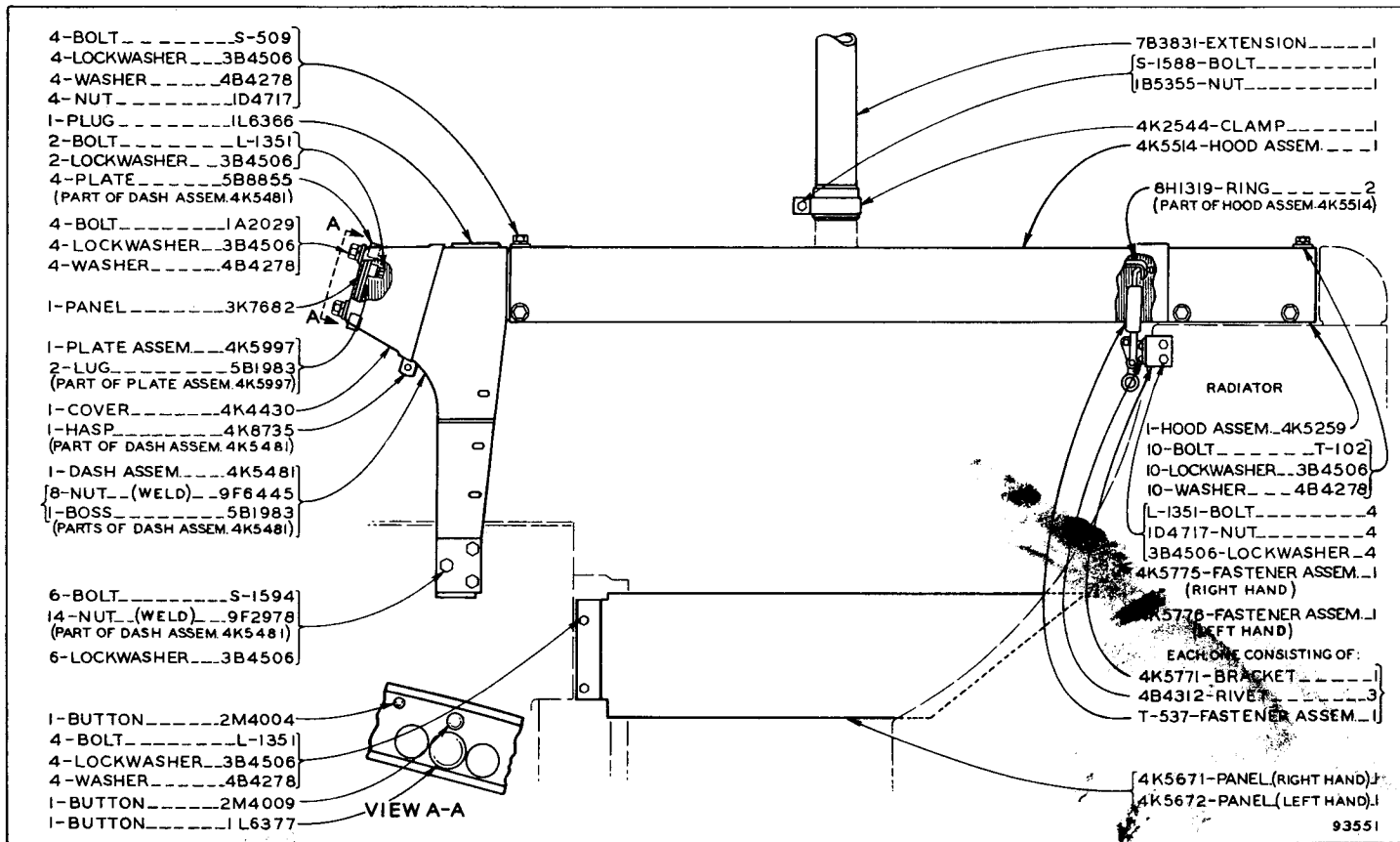
Serial No. 78A1881 to 78A2228, 78A2230, 78A2231, 78A2236, 78A2237, 78A2242, 78A2243 and 78A2248 to 78A2250 inclusive



93843

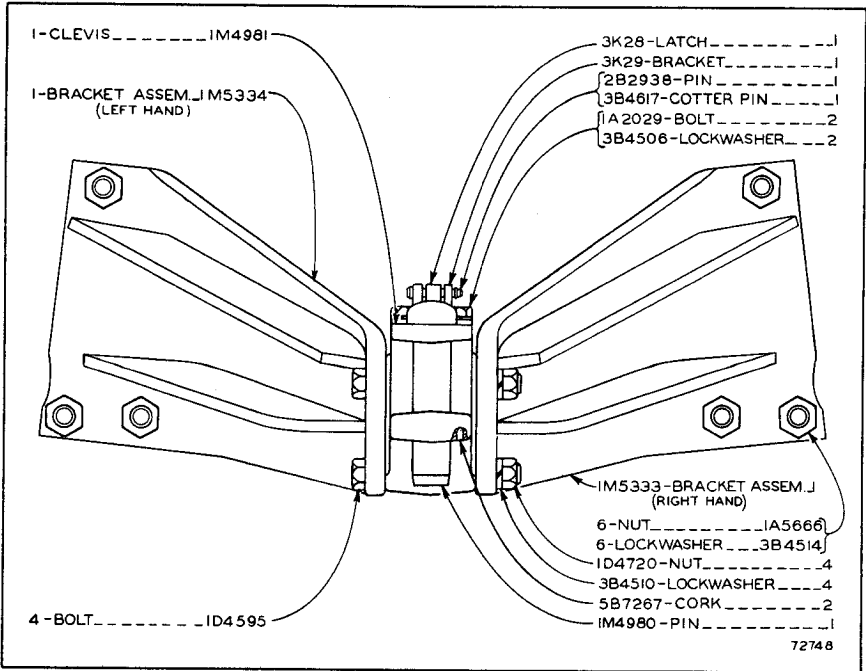
FENDERS

Serial No. 78A2229, 78A2232 to 78A2235, 78A2238 to 78A2241, 78A2244 to 78A2247 and 78A2251—Up



HOOD AND DASH

Refer also to Pages 85, 86, 87 and 94 for special parts



9H5806 DRAWBAR GROUP
 Refer also to Page 145 for special parts

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

Consists of:		Page
1	5K117 Air Cleaner Group.....	78D
1	5K168 Hood Group.....	78G
1	IS8386 Manifold Group.....	78F
1	IS8389 Turbocharger Oil Lines Group.....	78F
1	IS8391 Oil Filter Group.....	78G
1	IS8582 Turbocharger Assembly.....	78E
2	1B4203 Nut—Flange to Plate	
2	3B4505 Lockwasher— $\frac{5}{16}$ "	
8	3B4506 Lockwasher— $\frac{3}{8}$ "	
1	3B8989 Fitting—Adapter to Tube	
4	4B4158 Drive Screw	
6	4B4158 Drive Screw—Plate to Fuel Filter	
2	4B4278 Washer—Shield to Adapter	
1	6B7419 Hose—Air Cleaner Mounting Tube to Carburetor Inlet Pipe	
2	1D4538 Bolt—Tube Assembly to Fuel Pump and Governor Housing	
4	5F7055 Clip	
1	9F5940 Gasket—Flange to Plate	
1	5H8936 Adapter—Filter to Fitting	
1	6H4356 Plate	
1	5KJ224 Harness—Generator to Starting Motor	
1	7M4904 Warning Plate—Turbocharger	
1	9M313 Cover—Cylinder Block Side	
1	9M6431 Bracket—Starting Engine Muffler Support	
1	IS7986 Plate Assembly—Front	
1	IS7995 Flange—Turbocharger Oil Drain to Plate	
1	IS8464 Tube Assembly—Carburetor Inlet	
1	IS8566 Tube Assembly—Air Cleaner Mounting	
1	IS8569 Heat Shield—To Manifold Adapter	
1	IS8592 Tube Assembly—Cylinder Block to Oil Filter Base	
1	2S931 Tube—Fuel Tank to Filter	
1	2S7317 Line Assembly—No. 3 Fuel Injection	
1	2S8161 Tube—Fuel Filter Air Bleed	
3	L-1351 Bolt—Cover to Cylinder Block	
1	L-1351 Bolt—Tube Assembly to Filter Base	
1	S-1571 Bolt—Pipe through Cover to Head	
1	S-1591 Bolt—Pipe through Cover to Head	

IS8604 ALTITUDE NORMALIZING ARRANGEMENT—Factory Installation
For use with Gasoline Starting

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

Consists of:		Page
1	5K117 Air Cleaner Group	78D
1	5K168 Hood Group	78G
1	IS8386 Manifold Group	78F
1	IS8389 Turbocharger Oil Lines Group	78F
1	IS8391 Oil Filter Group	78G
1	IS8582 Turbocharger Assembly	78E
2	1B4203 Nut—Flange to Plate	
9	3B4506 Lockwasher— $\frac{3}{8}$ "	
4	4B4158 Drive Screw	
6	4B4158 Drive Screw—Plate to Fuel Filter	
1	6B933 Spacer—Turbocharger Line Clip to Cover	
1	9F5940 Gasket—Flange to Plate	
1	6H4356 Plate	
1	7M4904 Warning Plate—Turbocharger	
1	9M313 Cover—Cylinder Block Side	
1	IS7986 Plate Assembly—Front	
1	IS7995 Flange—Turbocharger Oil Drain to Plate	
1	IS8592 Tube Assembly—Cylinder Block to Oil Filter Base	
1	2S7317 Line Assembly—No. 3 Fuel Injection	
1	2S8161 Tube—Fuel Filter Air Bleed	
3	L-1351 Bolt—Cover to Cylinder Block	
1	S-1351 Bolt—Tube Assembly to Filter Base	
4	S-1591 Bolt—Pipe through Cover to Cylinder Head	
3	S-1594 Bolt—Pipe through Cover to Cylinder Head	

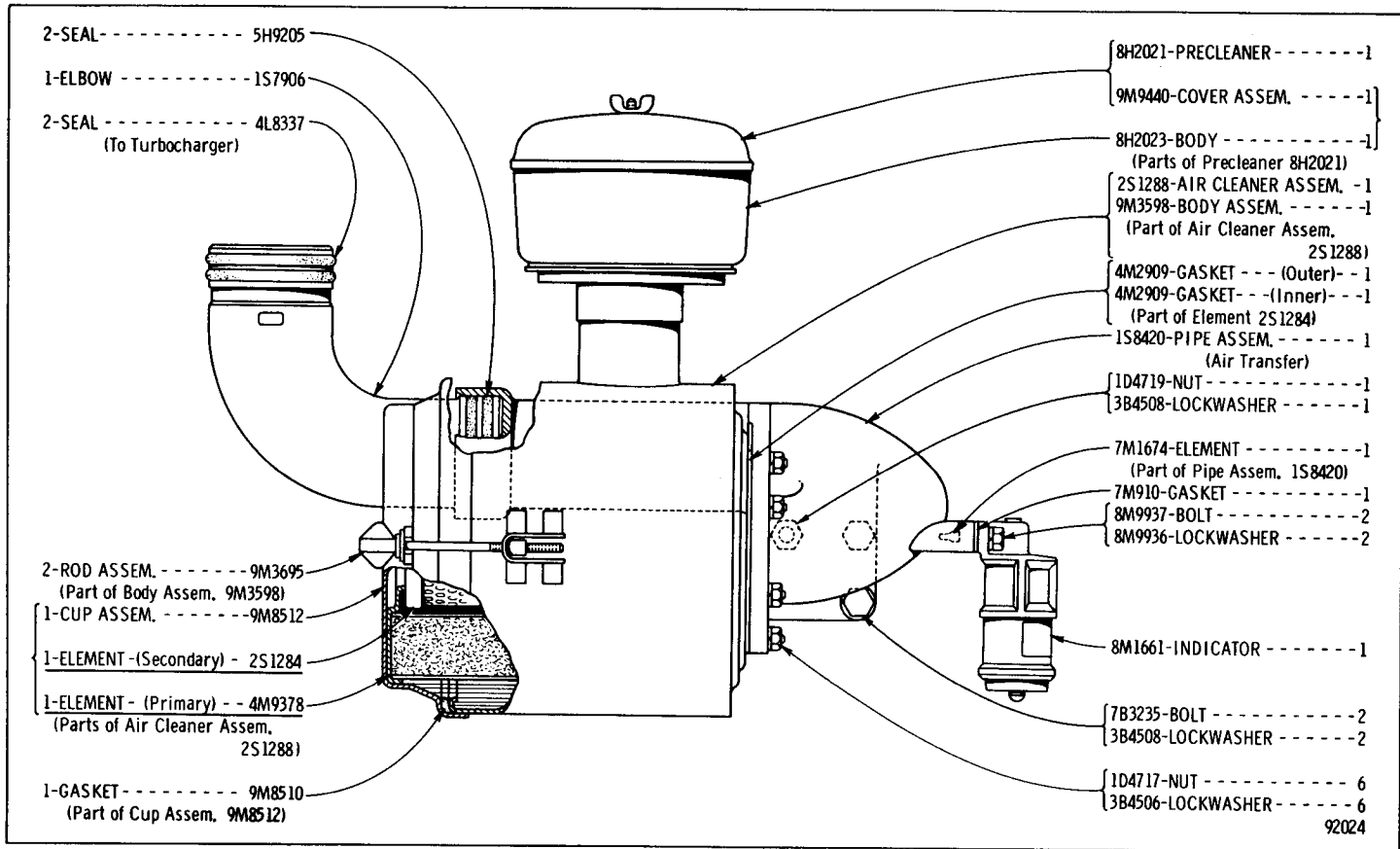
IS8605 ALTITUDE NORMALIZING ARRANGEMENT—Factory Installation
 For use with 24 Volt Direct Electric Starting

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

Consists of:		Page
1	5K117 Air Cleaner Group	78D
1	5K168 Hood Group	78G
1	1S8386 Manifold Group	78F
1	1S8389 Turbocharger Oil Lines Group	78F
1	1S8391 Oil Filter Group	78G
1	1S8582 Turbocharger Assembly	78E
2	1B4203 Nut—Flange to Plate	
2	3B4505 Lockwasher— $\frac{5}{16}$ "	
8	3B4506 Lockwasher— $\frac{3}{8}$ "	
4	4B4158 Drive Screw	
6	4B4158 Drive Screw—Plate to Fuel Filter	
2	4B4278 Washer—Shield to Adapter	
1	6B7419 Hose—Air Cleaner Mounting Tube to Carburetor Inlet Pipe	
2	1D4538 Bolt—Tube Assembly to Fuel Pump and Governor Housing	
1	9F5940 Gasket—Flange to Plate	
1	6H4356 Plate	
1	6H5636 Bolt—Governor Idler Cover	
1	6H5636 Bolt—Governor Rear Cover	
1	7M4904 Warning Plate—Turbocharger	
1	9M313 Cover—Cylinder Block Side	
1	9M6431 Bracket—Starting Engine Muffler Support	
1	1S7986 Plate Assembly—Front	
1	1S7995 Flange—Turbocharger Oil Drain to Plate	
1	1S8464 Tube Assembly—Carburetor Inlet	
1	1S8566 Tube Assembly—Air Cleaner Mounting	
1	1S8569 Heat Shield—To Manifold Adapter	
1	1S8592 Tube Assembly—Cylinder Block to Oil Filter Base	
1	2S7317 Line Assembly—No. 3 Fuel Injection	
1	2S8161 Tube—Fuel Filter Air Bleed*	
3	L-1351 Bolt—Cover to Cylinder Block	
1	L-1351 Bolt—Tube Assembly to Filter Base	
1	S-1571 Bolt—Pipe through Cover to Head	
1	S-1591 Bolt—Pipe through Cover to Head	

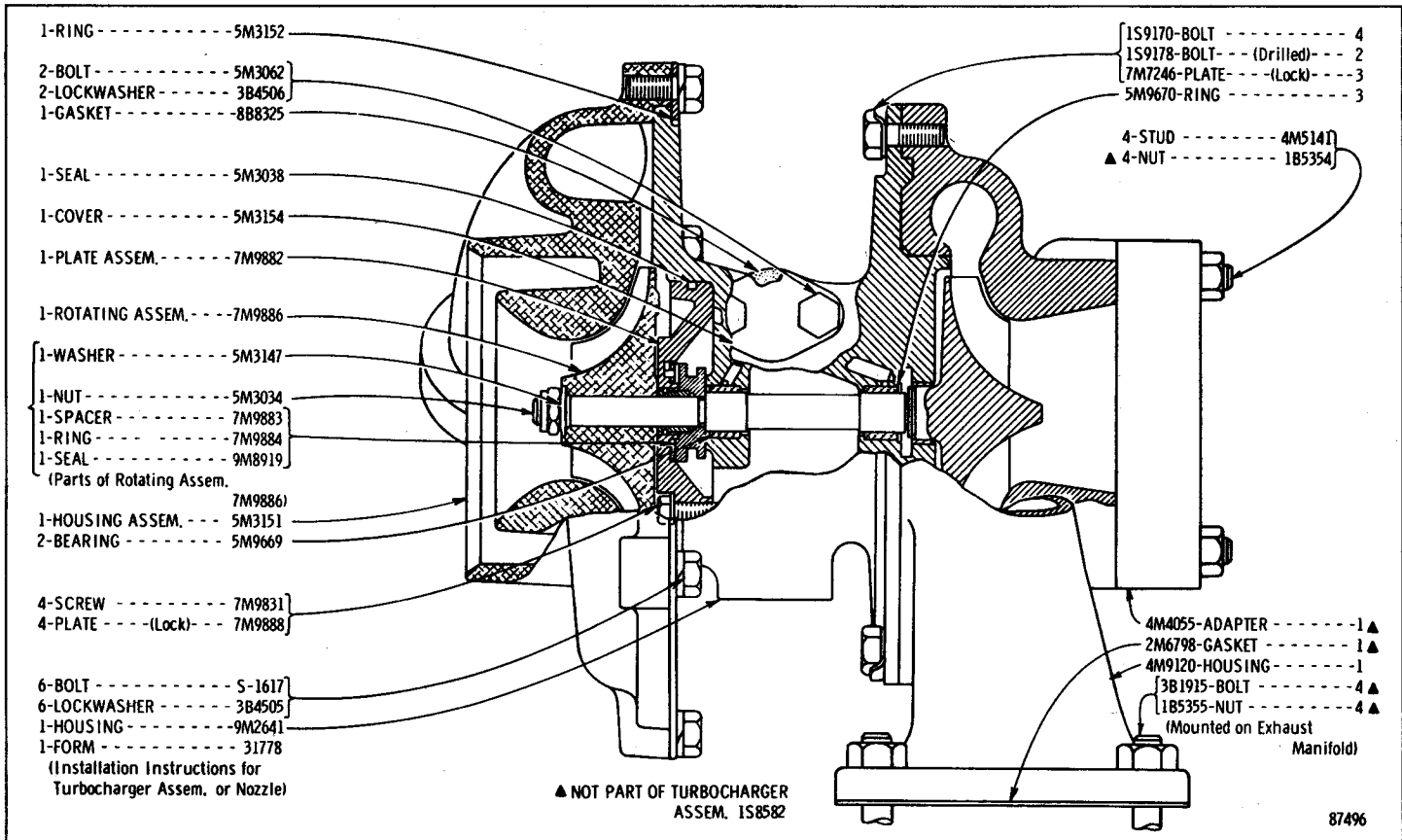
2S933 ALTITUDE NORMALIZING ARRANGEMENT—Factory Installation
For use with Gasoline Starting with 12 Volt Starter

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



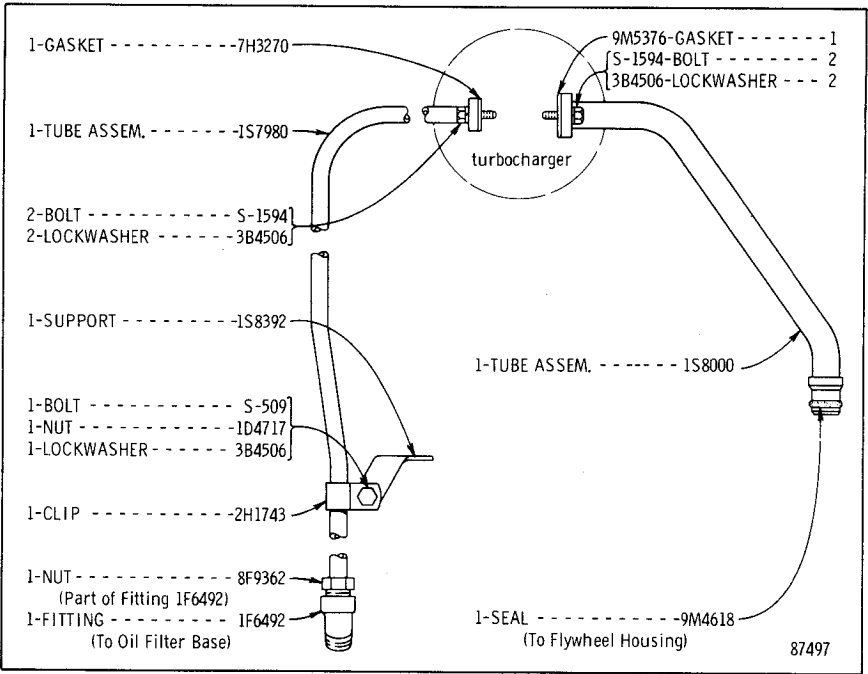
5K117 AIR CLEANER GROUP

Part of 1S8604, 1S8605 and 2S933 Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C



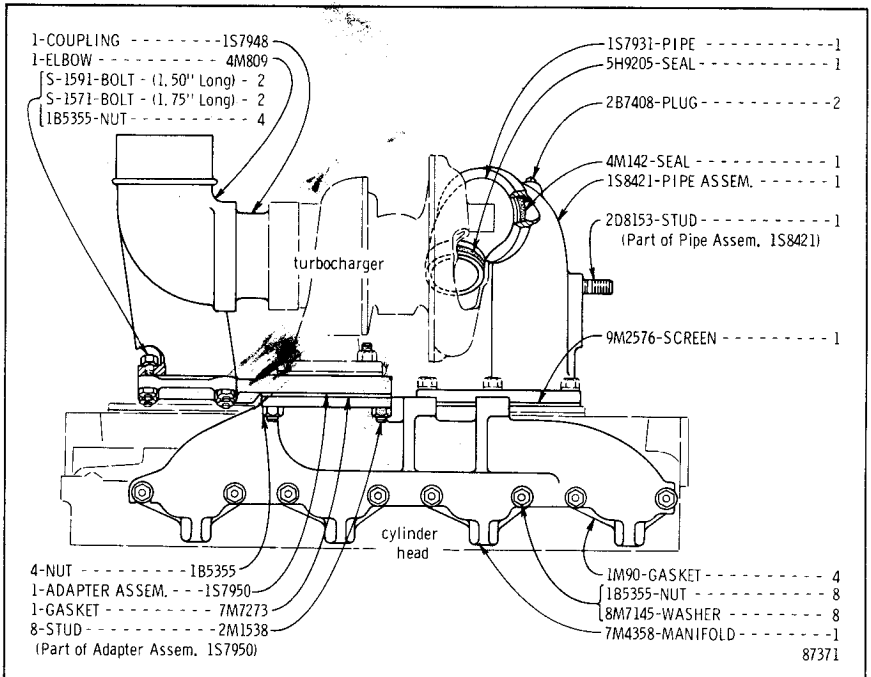
IS8582 TURBOCHARGER ASSEMBLY

Part of IS8604, IS8605 and 2S933 Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C



IS8389 TURBOCHARGER OIL LINES GROUP

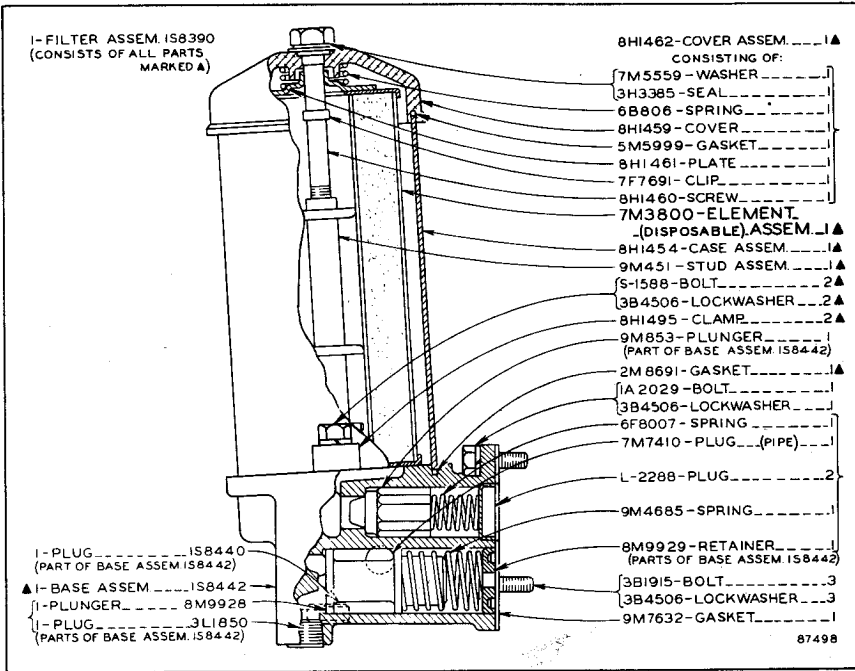
Part of IS8604, IS8605 and 2S933 Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C



IS8386 EXHAUST MANIFOLD GROUP

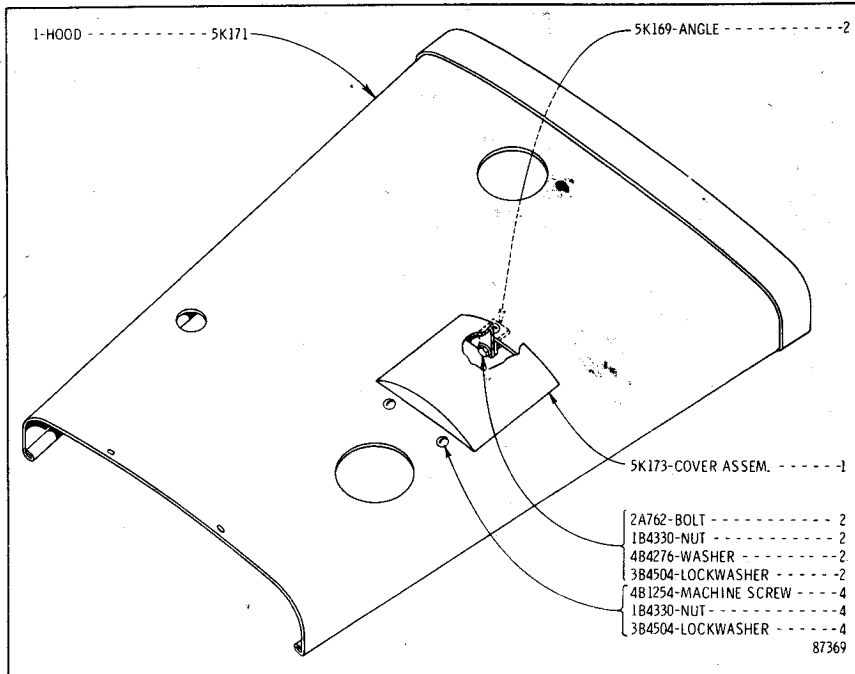
Part of IS8604, IS8605 and 2S933 Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



IS8391 OIL FILTER GROUP

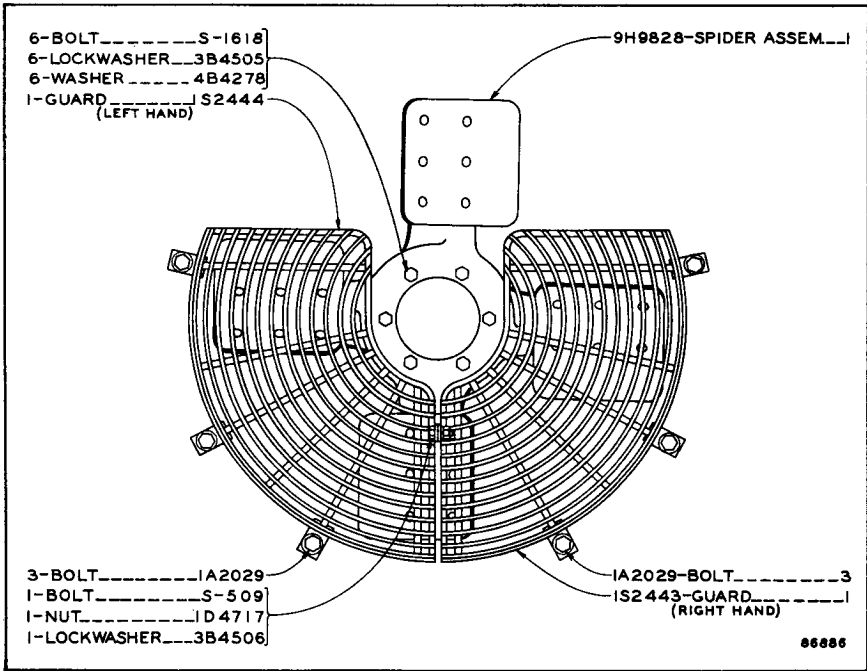
Part of IS8604, IS8605 and 25933 Altitude Normalizing Arrangements
listed on Pages 78A, 78B and 78C



5K168 HOOD GROUP

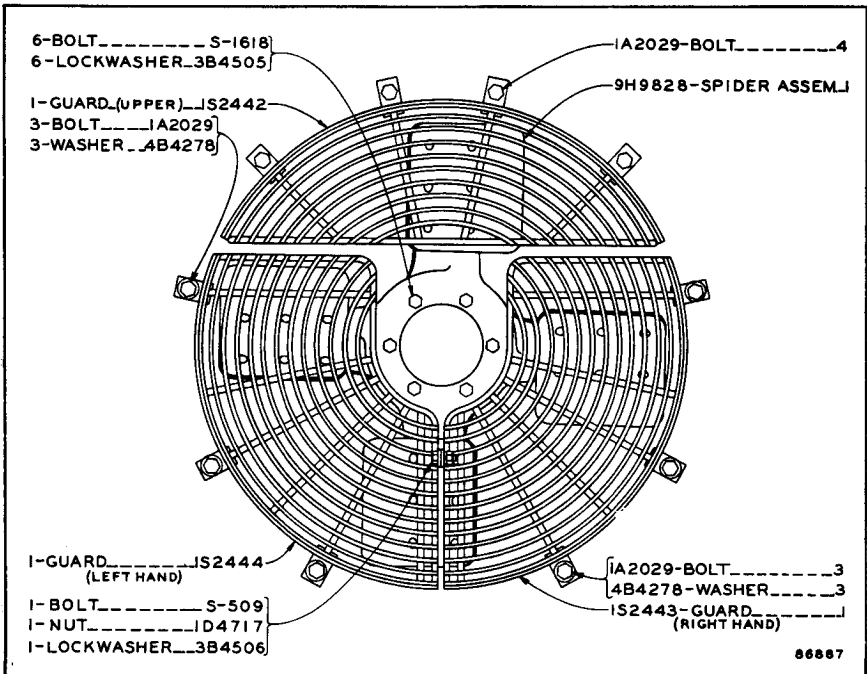
Part of IS8604, IS8605 and 25933 Altitude Normalizing Arrangements
listed on Pages 78A, 78B and 78C

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



IS2621 BLOWER FAN GROUP

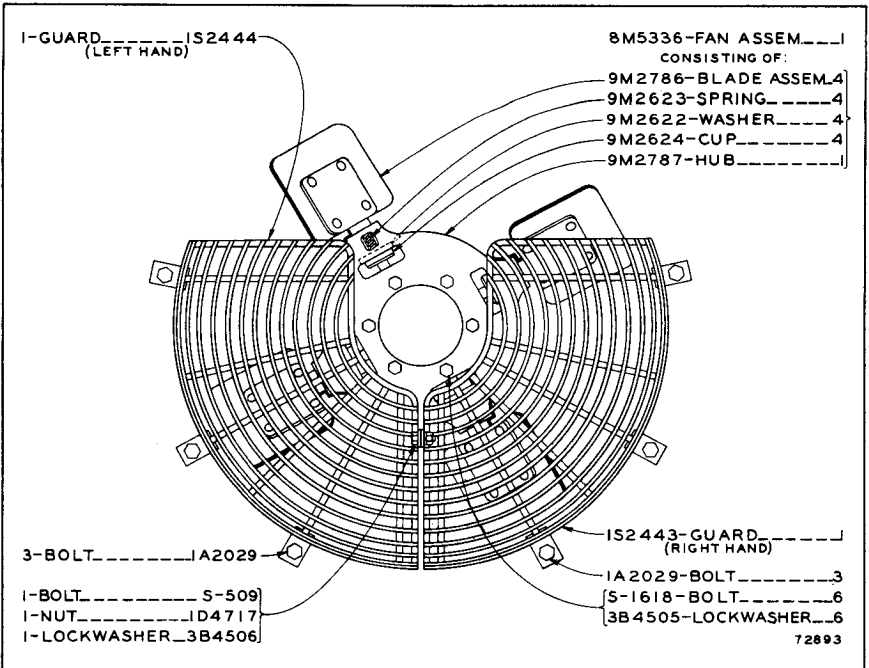
For use with Bulldozer



IS2622 BLOWER FAN GROUP

For use without Bulldozer

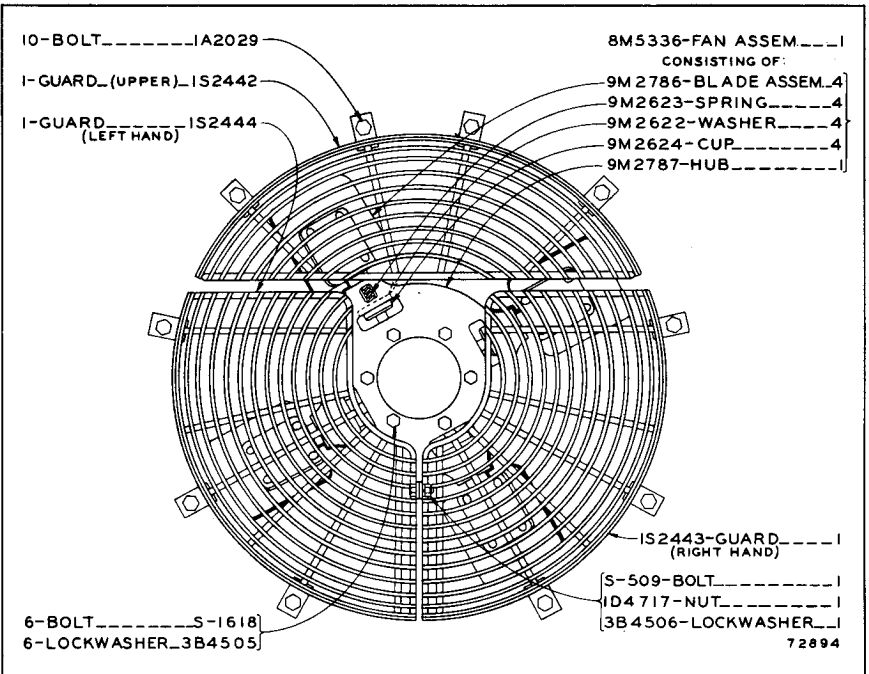
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



IS2445 FAN GROUP—Reversible Blade

For use with Bulldozer

Only separate parts serviced. When complete Group is required order IS6694

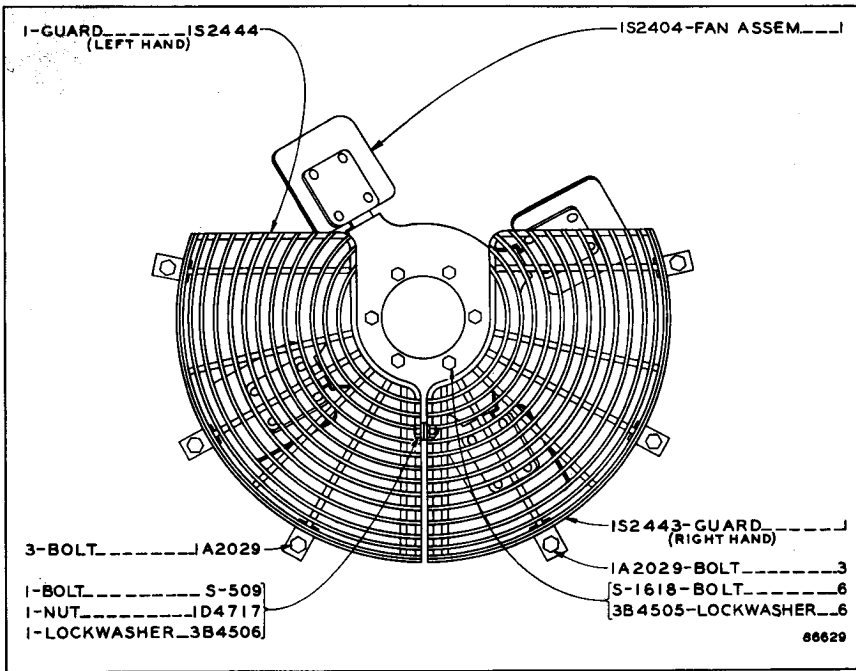


IS2446 FAN GROUP—Reversible Blade

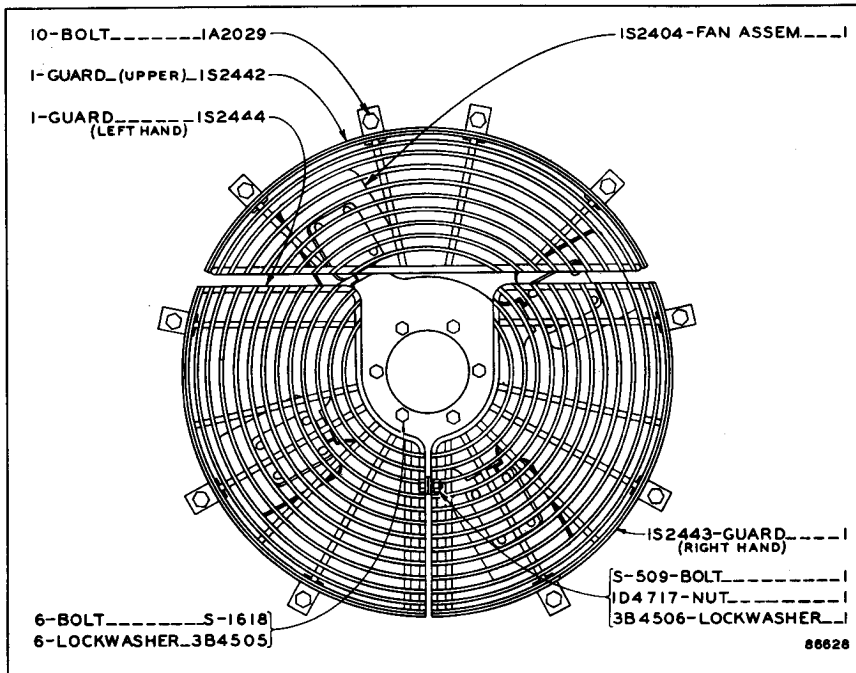
For use without Bulldozer

Only separate parts serviced. When complete Group is required order IS6695

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

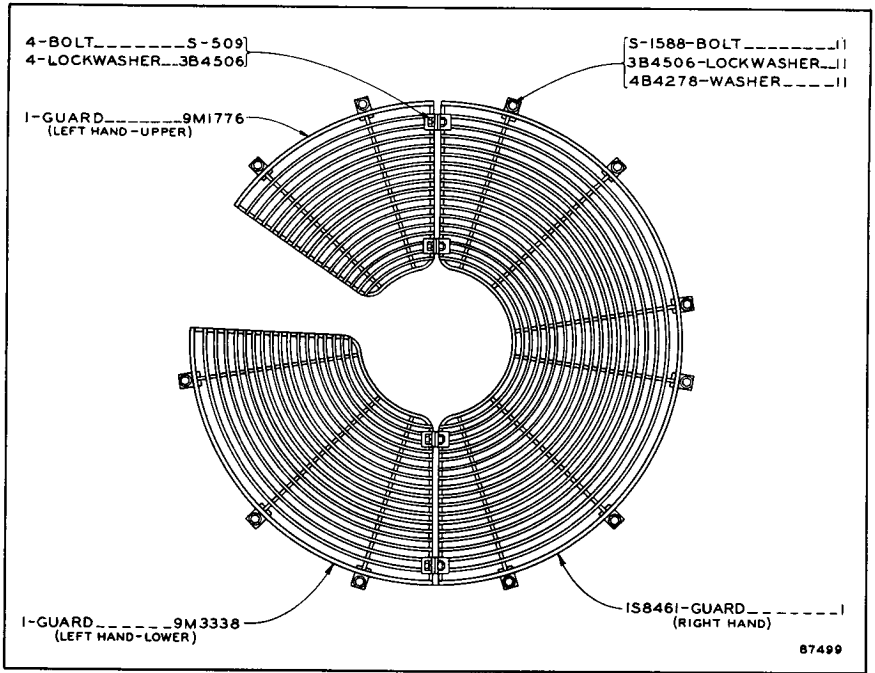


IS6694 FAN GROUP—Reversible Blade
For use with Bulldozer



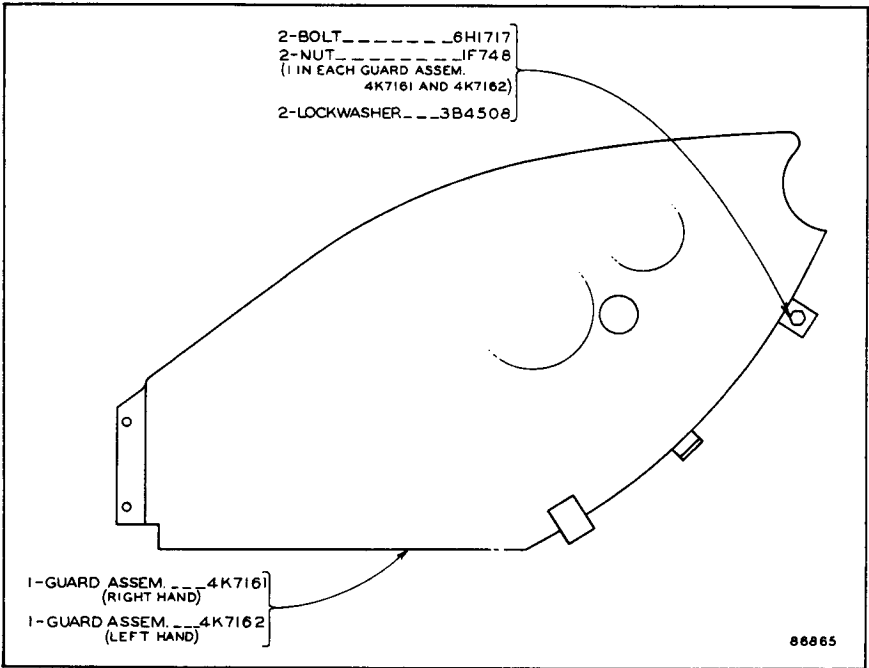
IS6695 FAN GROUP—Reversible Blade
For use without Bulldozer

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

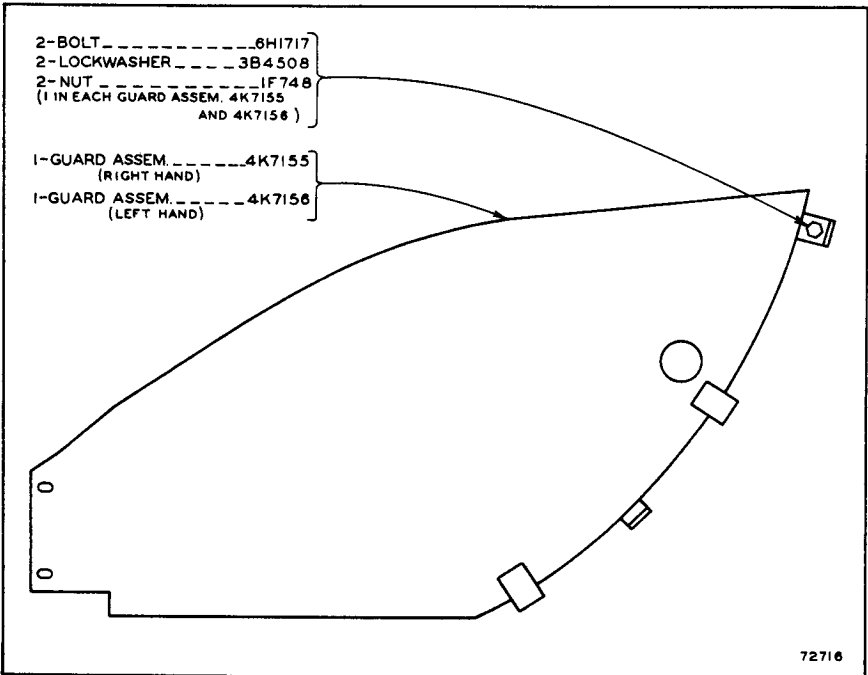


FAN GUARD GROUP

For use with Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C

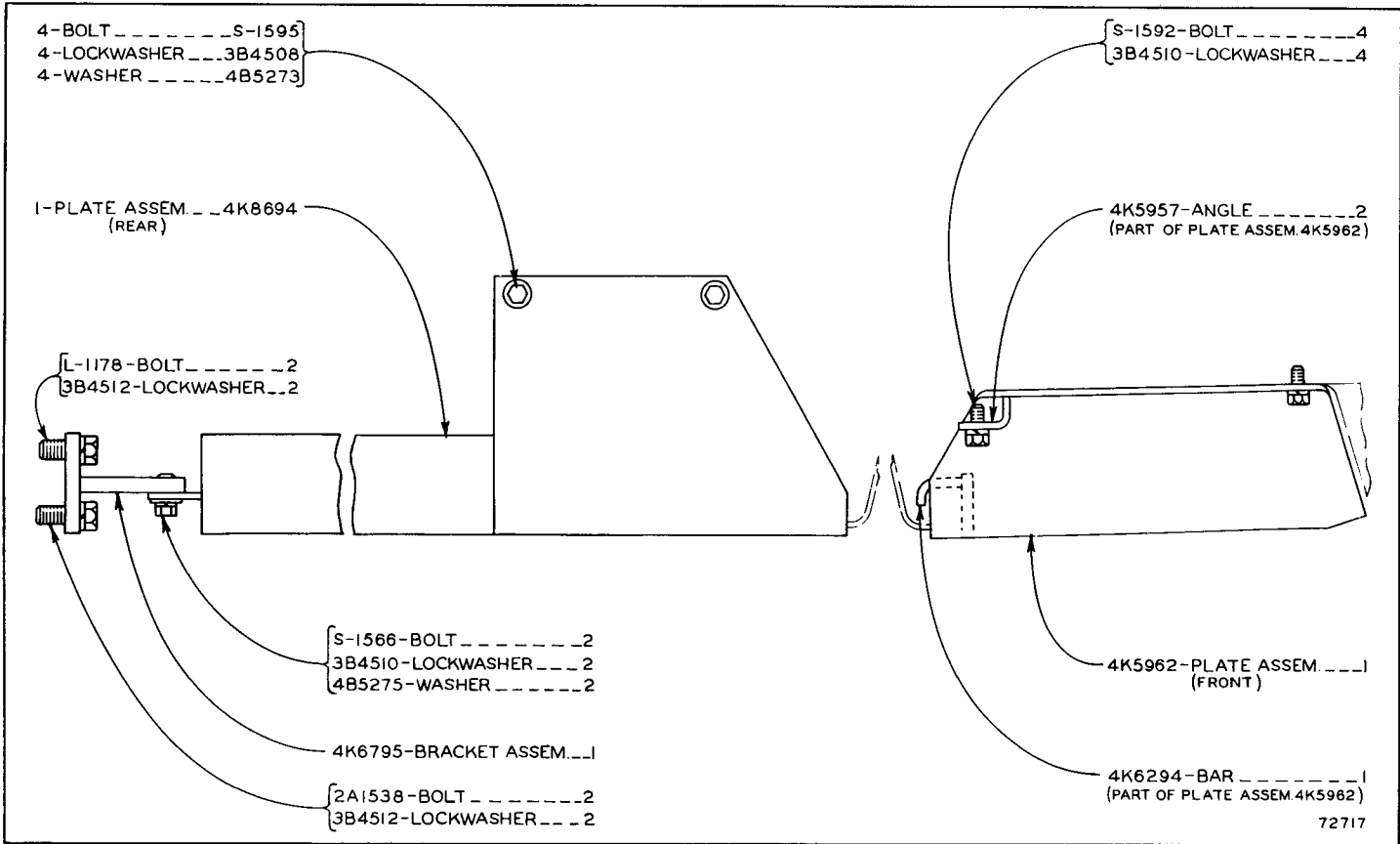


4K6914 BRUSH GUARD GROUP
 For use with Bulldozer



4K7152 BRUSH GUARD GROUP
 For use without Bulldozer

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



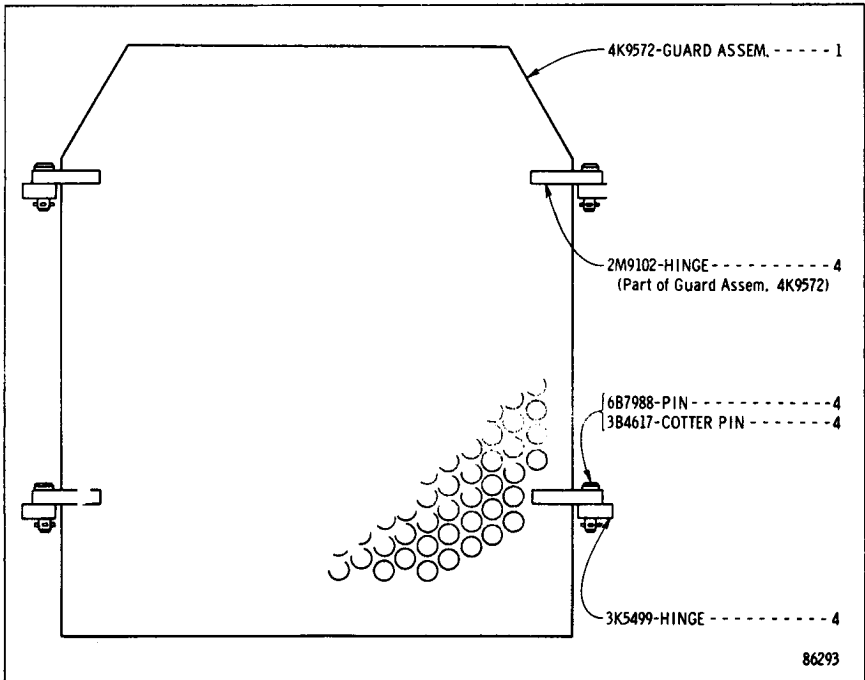
4K6085 CRANKCASE GUARD GROUP

Consists of:

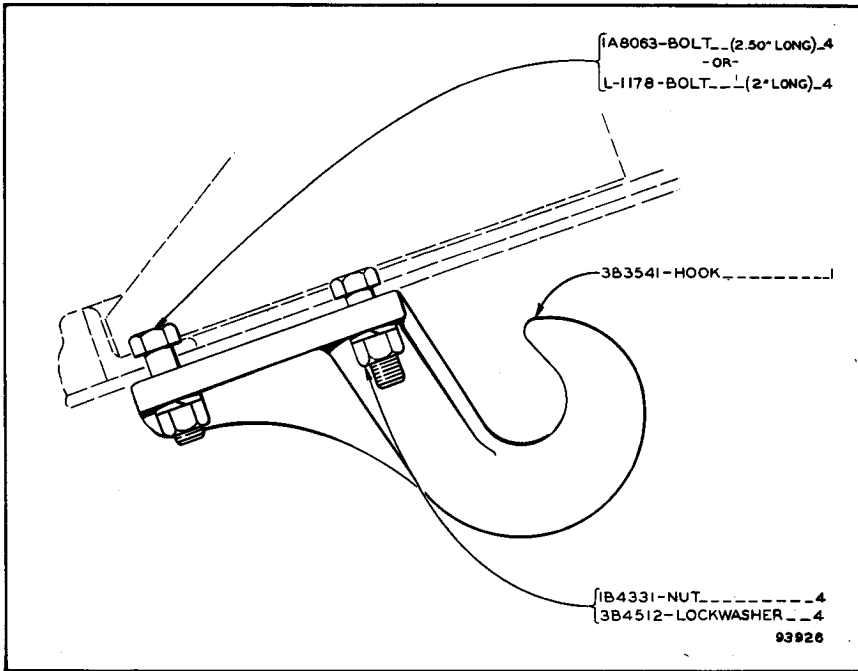
Page

I	4K6085	Crankcase Guard Group.....	82
I	4K8007	Front Bumper Group.....	83
I	4K8704	Precleaner Guard Group.....	84
I	4K9570	Radiator Guard Group.....	Shown Below
I	4K9567	Radiator Guard Reinforcement Group	

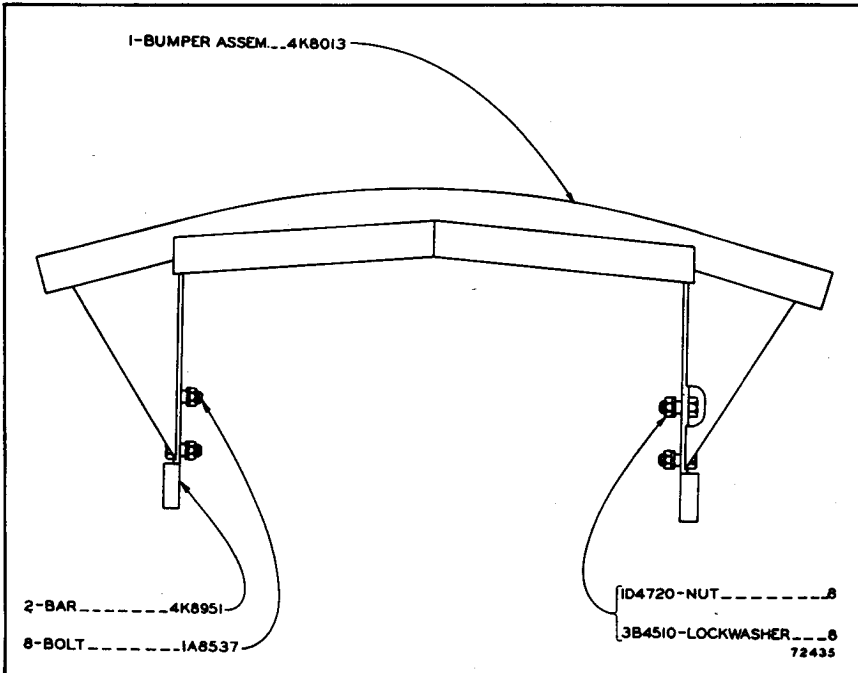
4K9568 LOGGING GUARD ARRANGEMENT



4K9570 RADIATOR GUARD GROUP
Also part of 4K9568 Logging Guard Arrangement

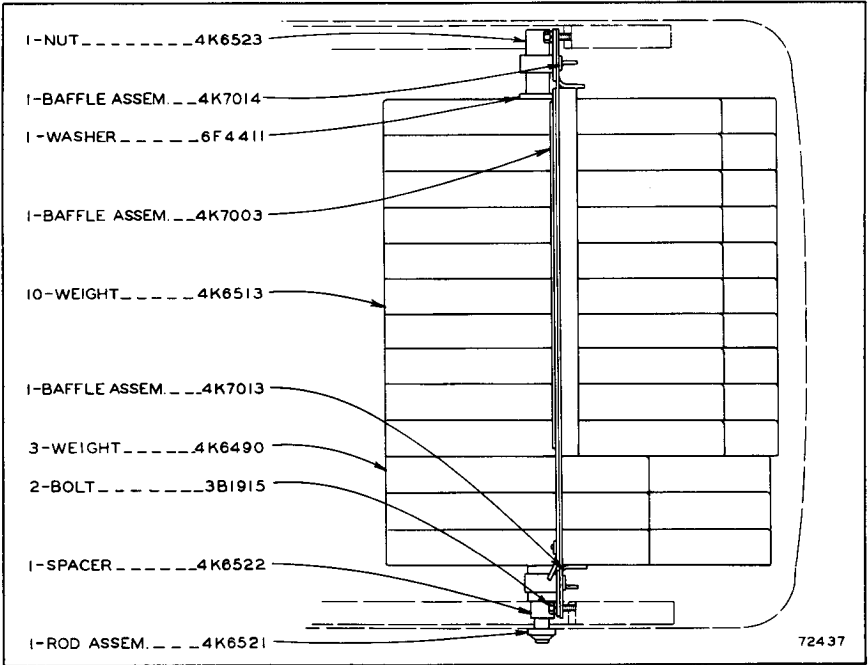


382665 FRONT PULL HOOK GROUP
 For use with Crankcase Guard



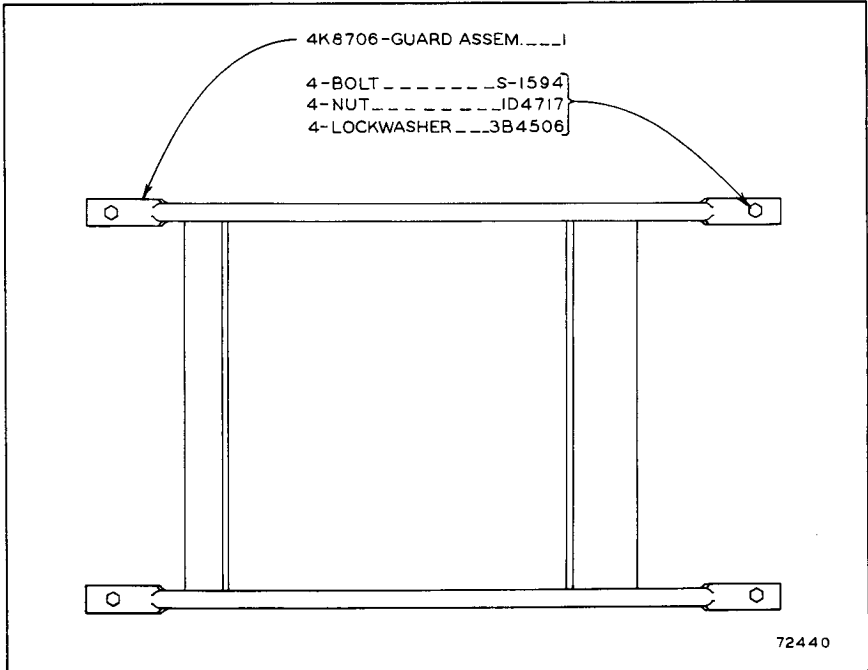
4K8007 FRONT BUMPER GROUP

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



4K6524 FRONT WEIGHT GROUP—1042 Lbs.—Top View

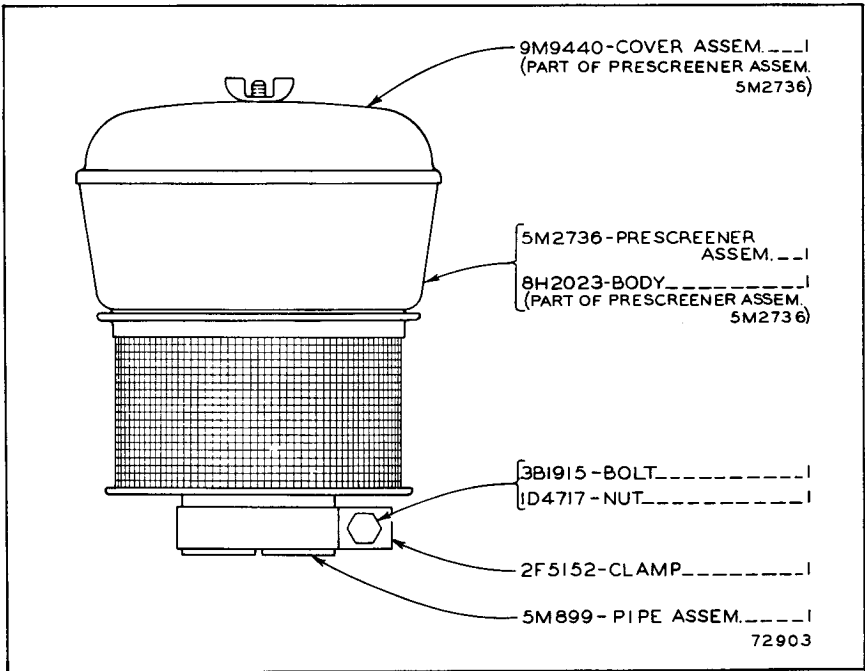
Only separate parts serviced. When complete Group is required order 5K4761 shown on Page 86A



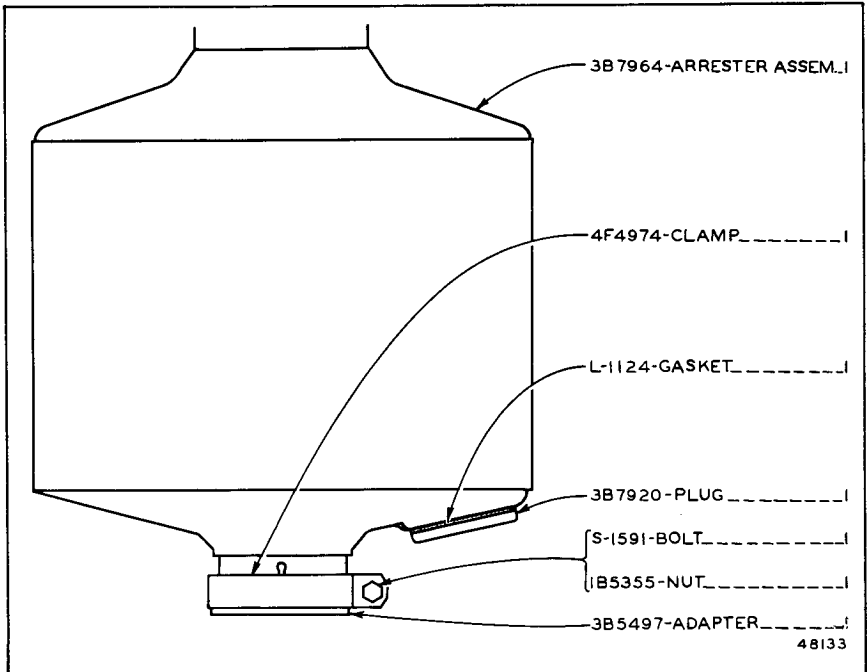
4K8704 PRECLEANER GUARD GROUP

Also part of 4K9568 Logging Guard Arrangement

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

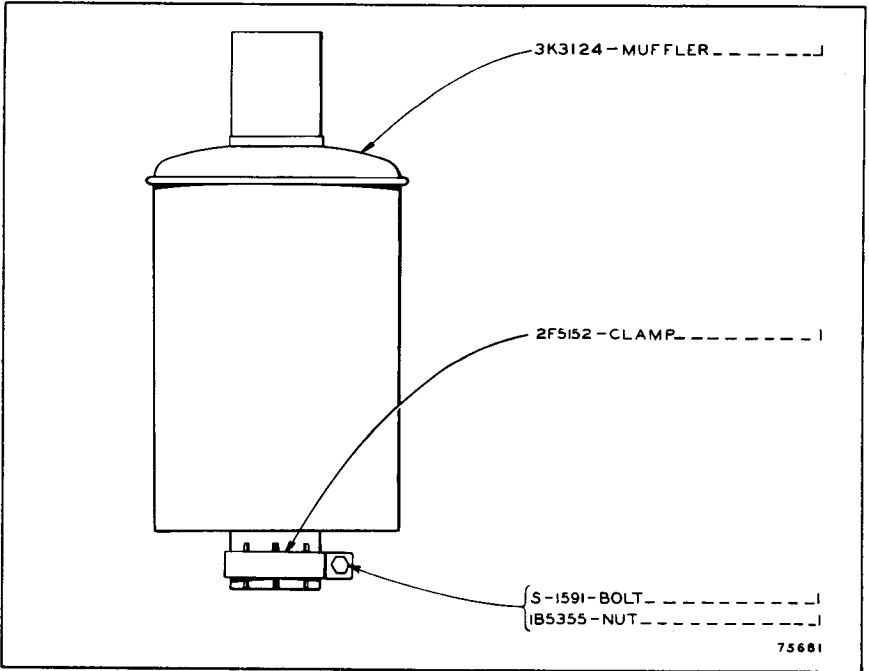


5M2735 PRESCREENER GROUP

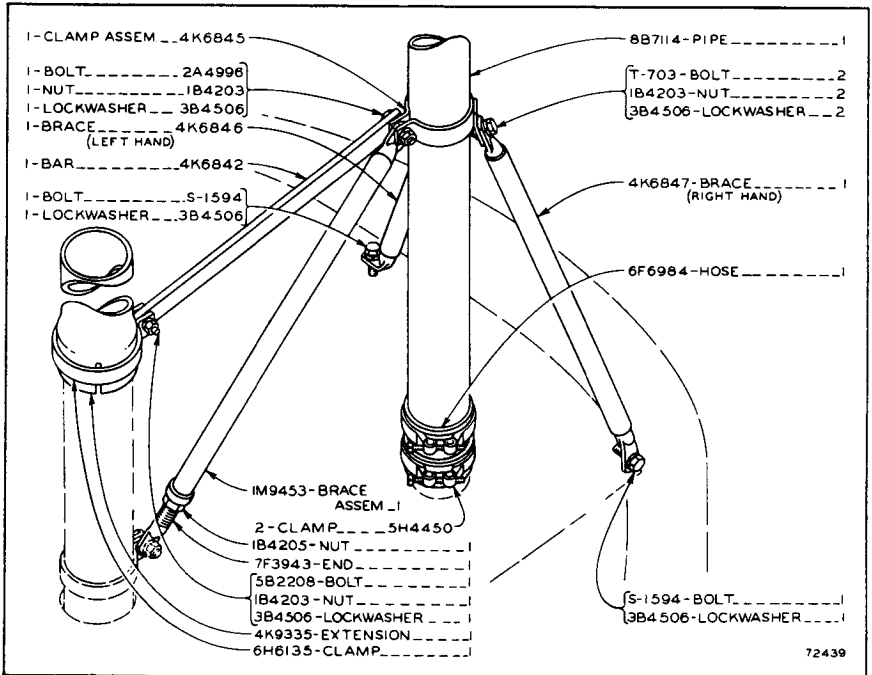


3B5498 SPARK ARRESTOR GROUP—Diesel Engine

CATERPILLAR D4 TRACTOR

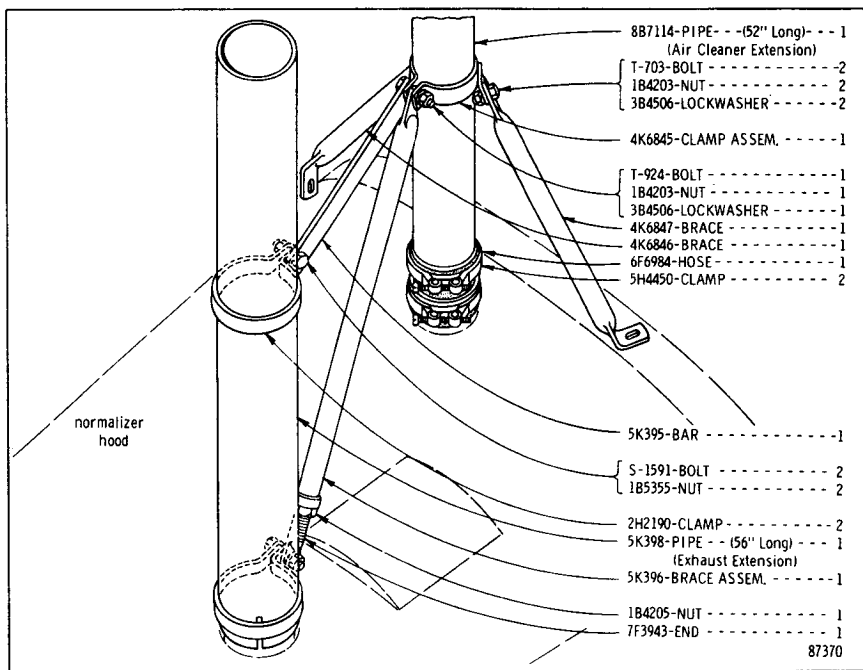


8B8205 MUFFLER GROUP—Diesel Engine



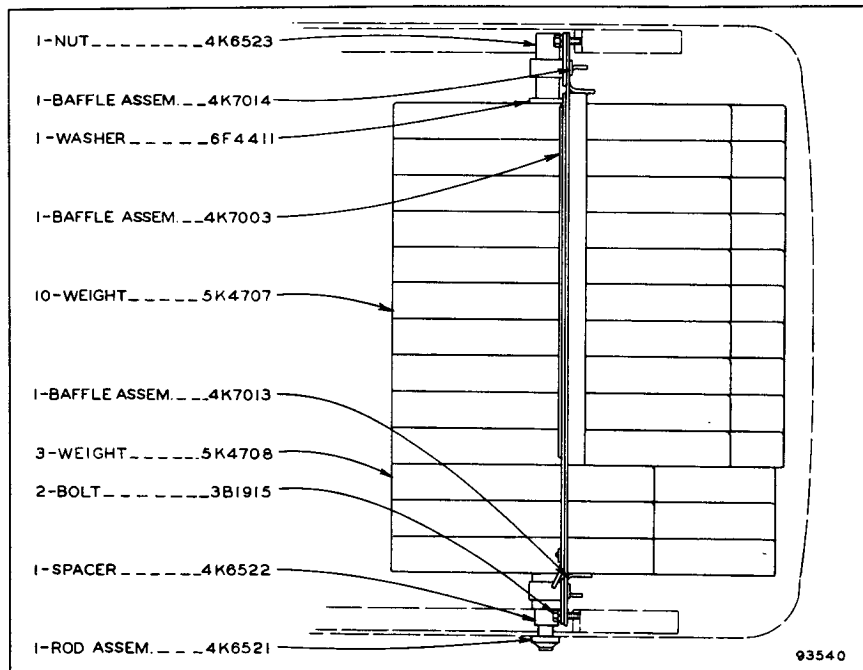
4K6840 AIR CLEANER INLET EXTENSION GROUP

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



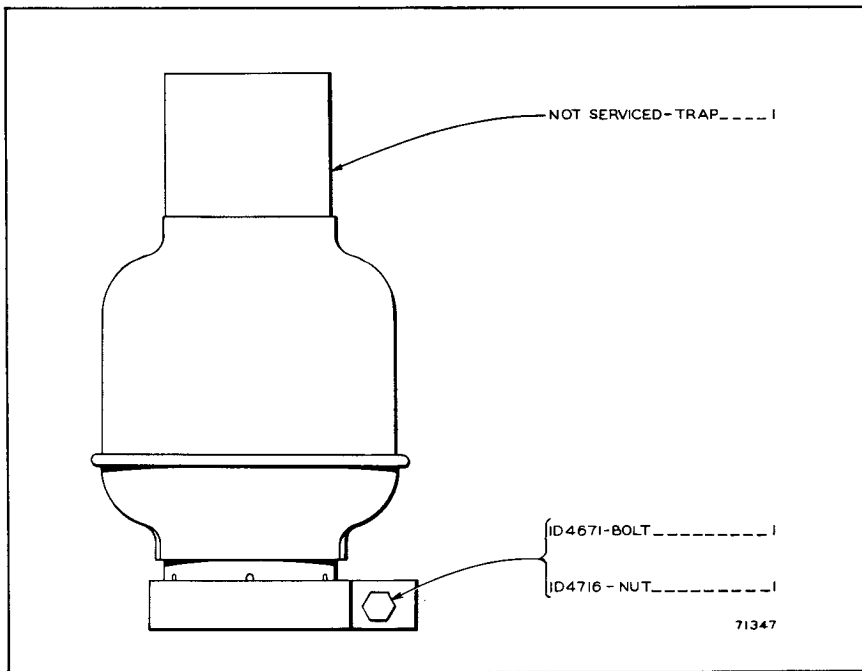
5K394 AIR CLEANER INLET EXTENSION GROUP

For use with Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C

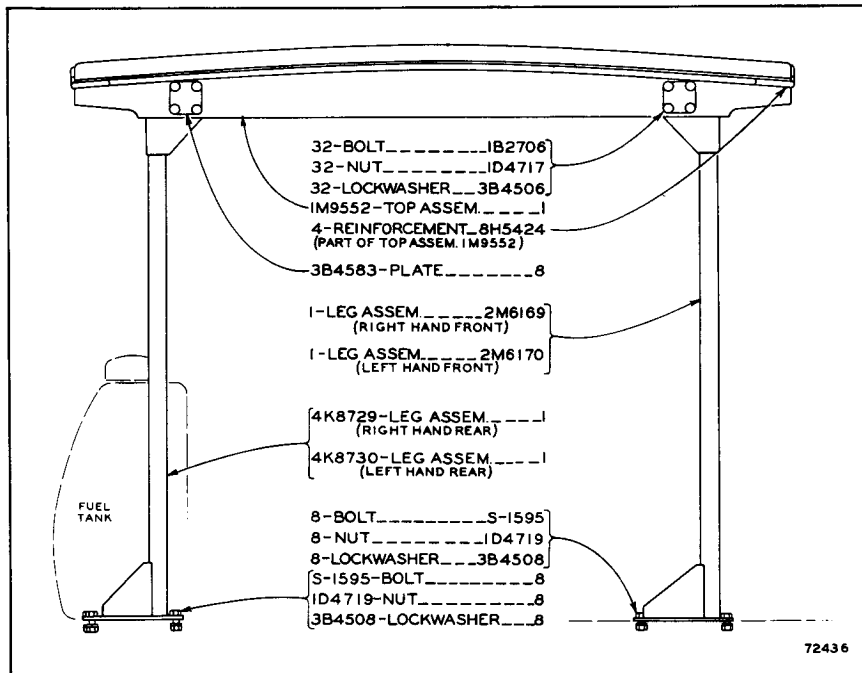


5K4761 FRONT WEIGHT GROUP—1042 Lbs.—Top View

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



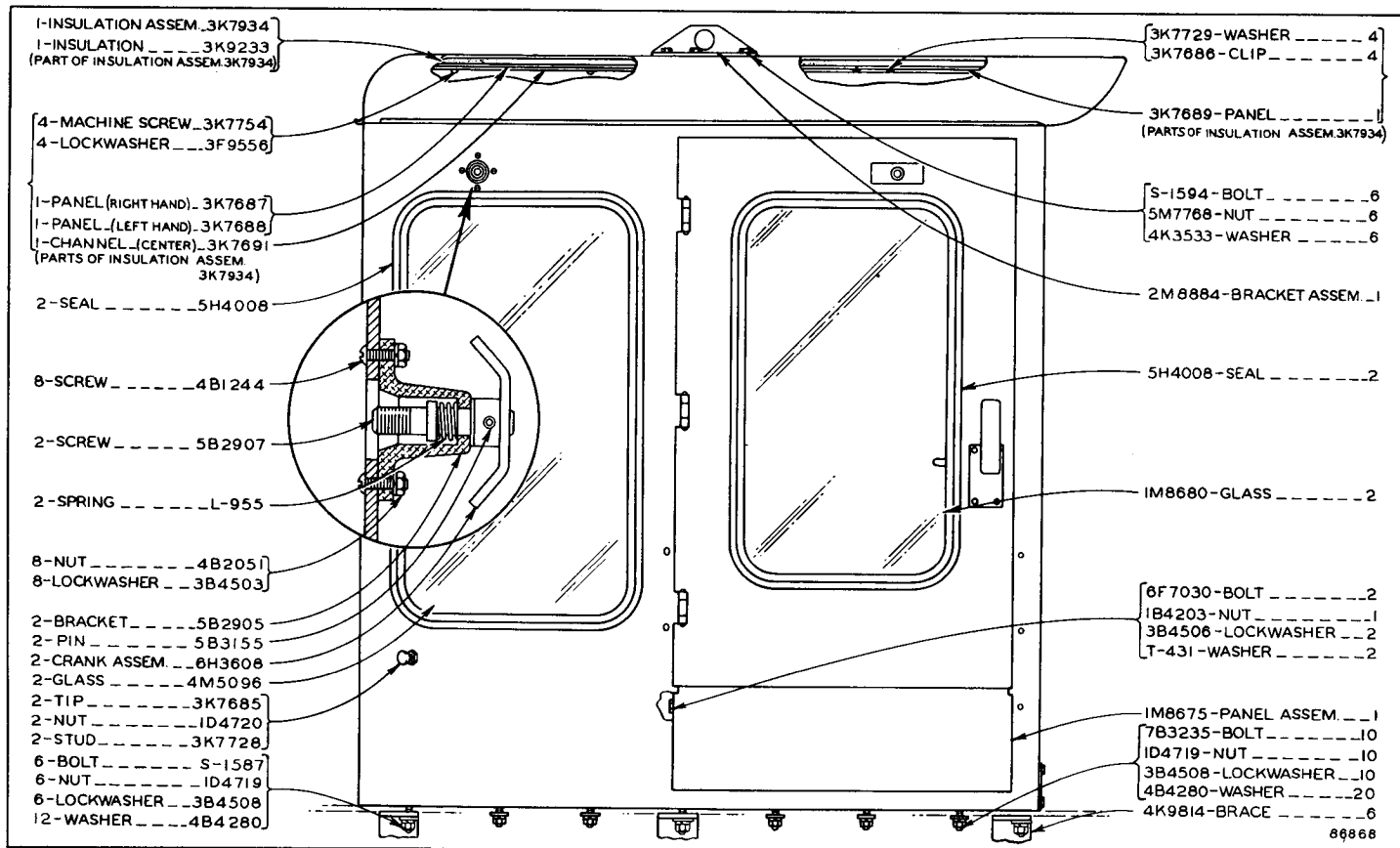
6F6522 EXHAUST RAIN TRAP GROUP—Diesel Engine



4K8731 CANOPY GROUP

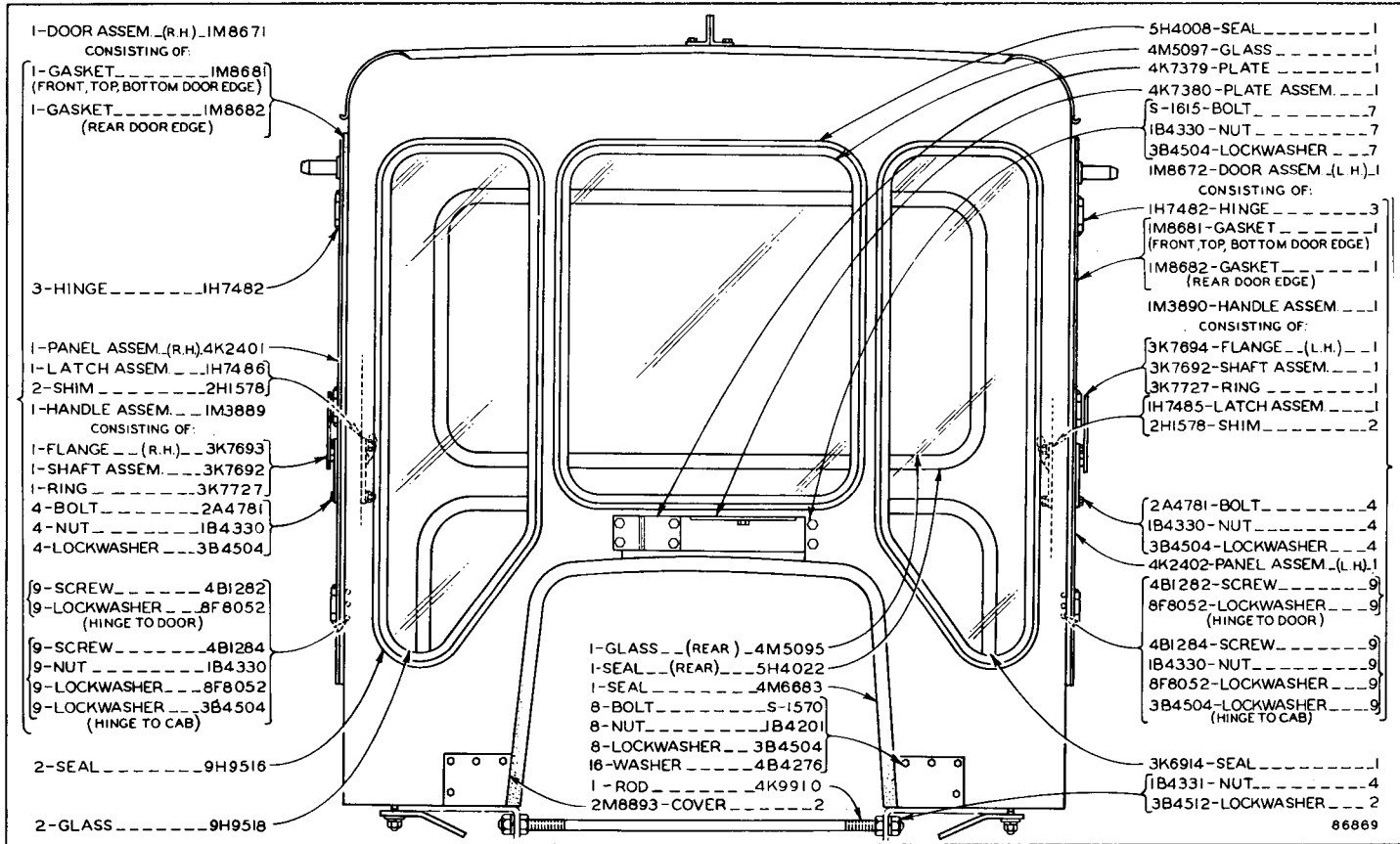
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



4K9909 CAB GROUP—Side View

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



1-DOOR ASSEM. (R.H.) IM8671
CONSISTING OF:

1-GASKET IM8681
(FRONT, TOP, BOTTOM DOOR EDGE)
1-GASKET IM8682
(REAR DOOR EDGE)

3-HINGE IH7482

1-PANEL ASSEM. (R.H.) 4K2401
1-LATCH ASSEM. IH7486
2-SHIM 2HI578
1-HANDLE ASSEM. IM3889
CONSISTING OF:
1-FLANGE (R.H.) 3K7693
1-SHAFT ASSEM. 3K7692
1-RING 3K7727
4-BOLT 2A4781
4-NUT IB4330
4-LOCKWASHER 3B4504

9-SCREW 4BI282
9-LOCKWASHER 8F8052
(HINGE TO DOOR)

9-SCREW 4BI284
9-NUT IB4330
9-LOCKWASHER 8F8052
9-LOCKWASHER 3B4504
(HINGE TO CAB)

2-SEAL 9H9516

2-GLASS 9H9518

1-GLASS (REAR) 4M5095
1-SEAL (REAR) 5H4022
1-SEAL 4M6883
8-BOLT S-1570
8-NUT JB4201
8-LOCKWASHER 3B4504
16-WASHER 4B4276
1-ROD 4K9910
2M8893-COVER 2

5H4008-SEAL 1
4M5097-GLASS 1
4K7379-PLATE 1
4K7380-PLATE ASSEM. 1
S-1615-BOLT 7
IB4330-NUT 7
3B4504-LOCKWASHER 7
IM8672-DOOR ASSEM. (L.H.) 1
CONSISTING OF:

1H7482-HINGE 3
IM8681-GASKET
(FRONT, TOP, BOTTOM DOOR EDGE)
IM8682-GASKET
(REAR DOOR EDGE)

IM3890-HANDLE ASSEM. 1
CONSISTING OF:

3K7694-FLANGE (L.H.) 1
3K7692-SHAFT ASSEM. 1
3K7727-RING 1
IH7485-LATCH ASSEM. 1
2HI578-SHIM 2

2A4781-BOLT 4
IB4330-NUT 4
3B4504-LOCKWASHER 4
4K2402-PANEL ASSEM. (L.H.) 1
4BI282-SCREW 9
8F8052-LOCKWASHER 9
(HINGE TO DOOR)

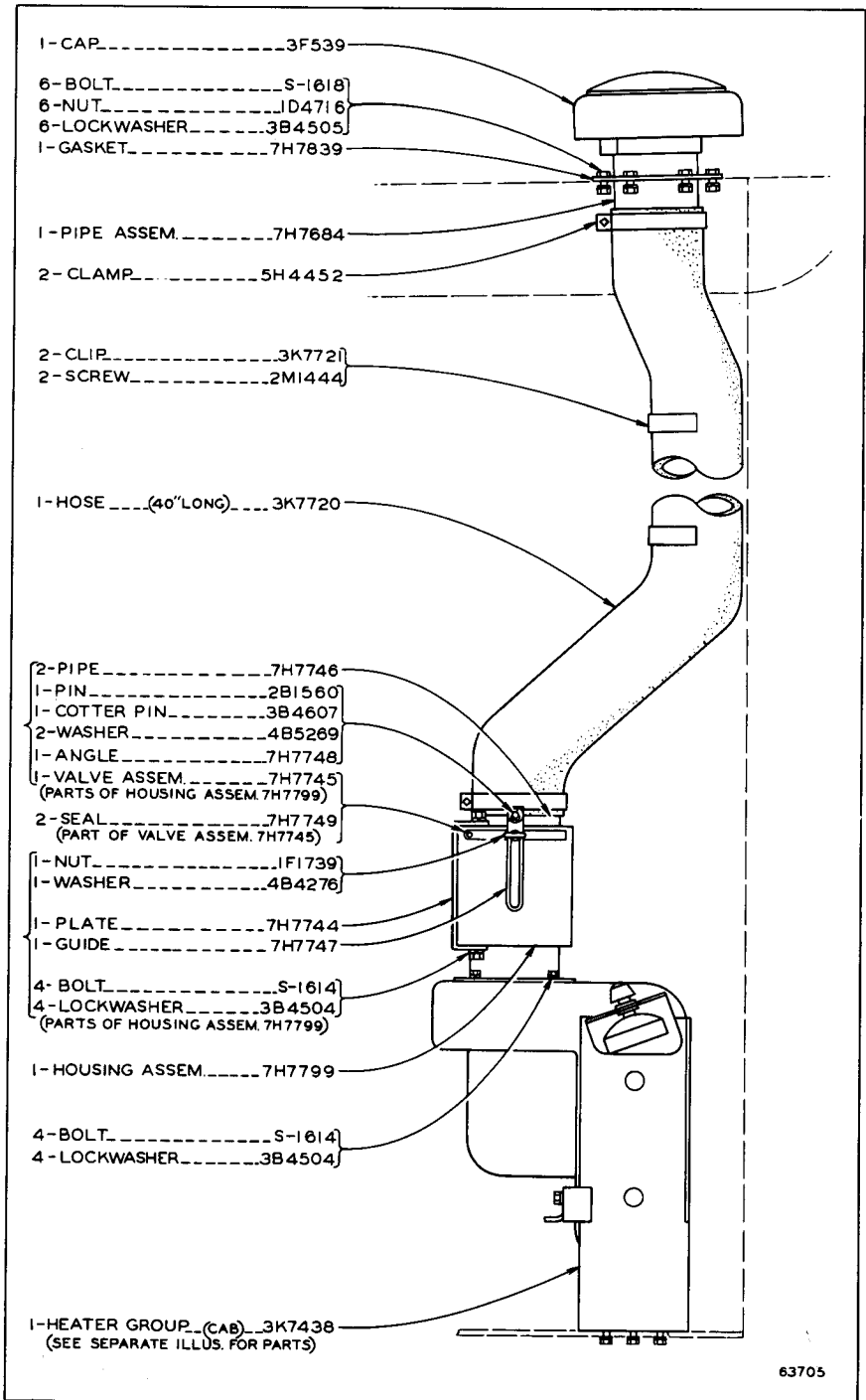
4BI284-SCREW 9
IB4330-NUT 9
8F8052-LOCKWASHER 9
3B4504-LOCKWASHER 9
(HINGE TO CAB)

3K6914-SEAL 1
IB4331-NUT 4
3B4512-LOCKWASHER 2

ATTACHMENTS

86869

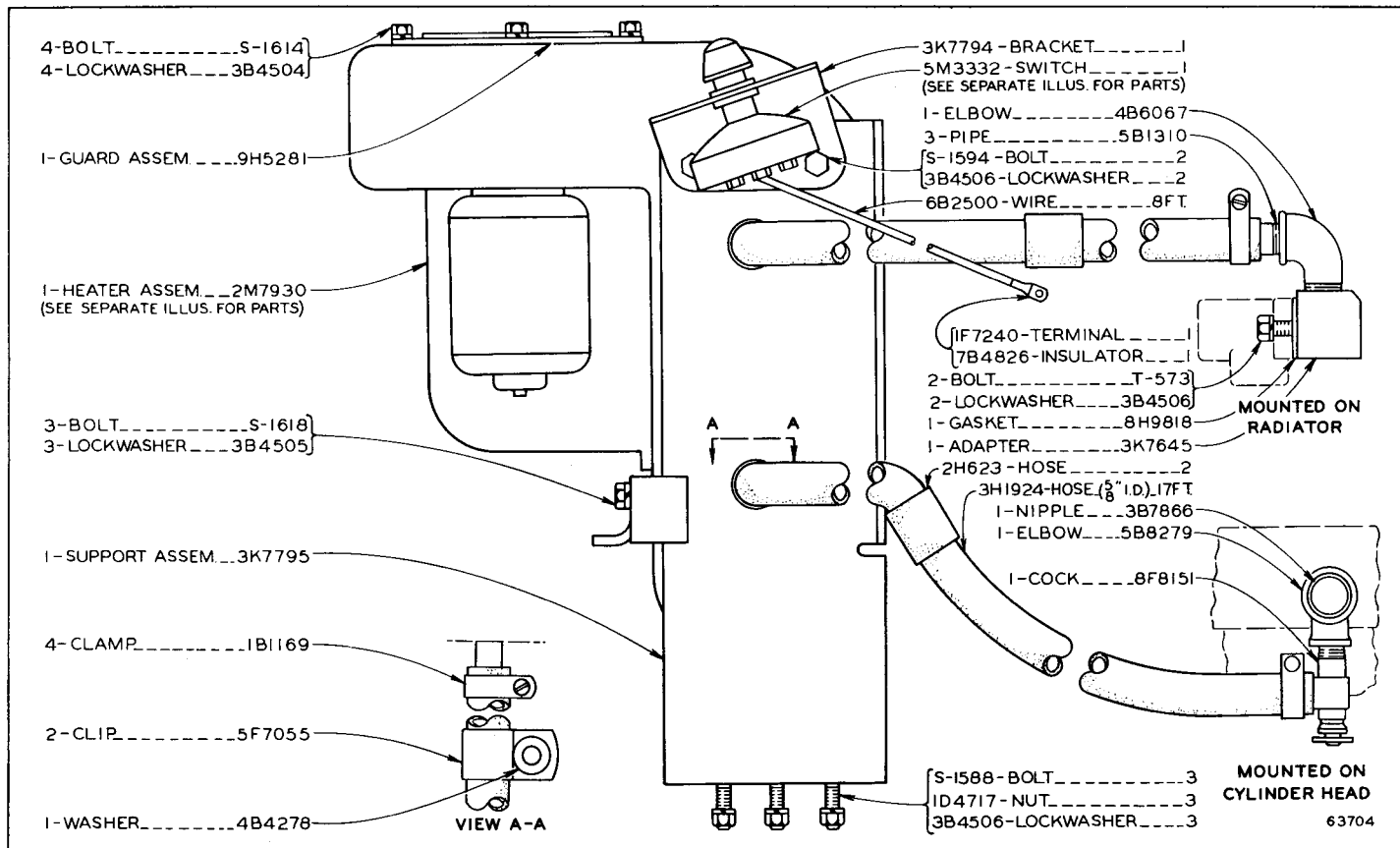
4K9909 CAB GROUP—Front View



63705

3K7439 CAB HEATER GROUP—Fresh Air—12 Volt

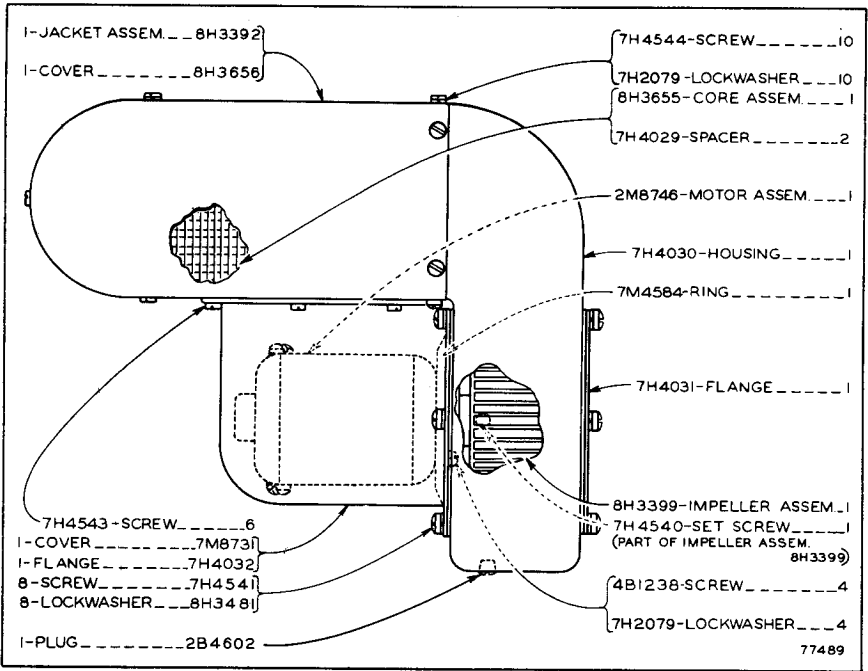
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



3K7438 RECIRCULATING CAB HEATER GROUP—12 Volt

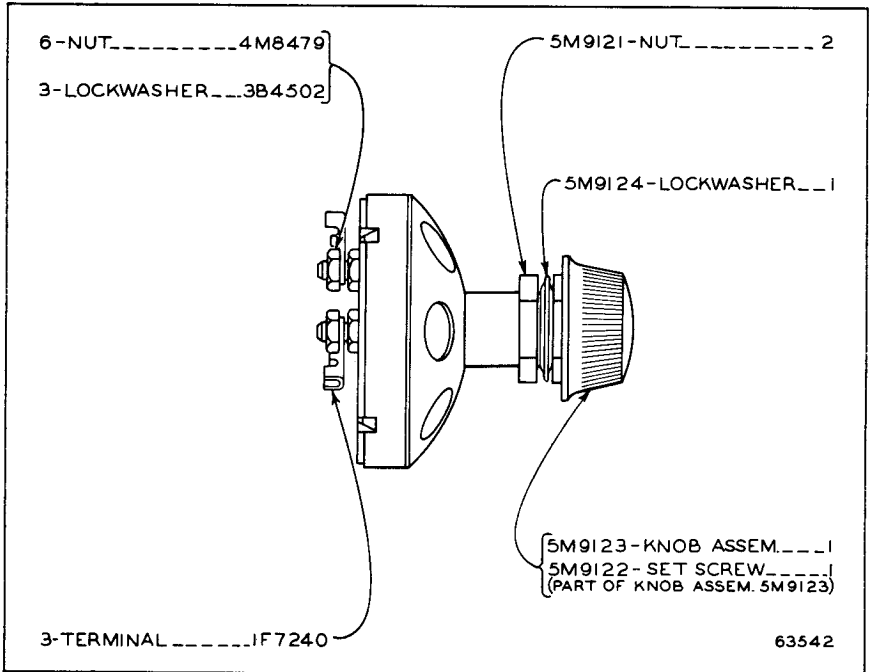
Also part of 3K7439 Cab Heater Group

2M7930 Heater Assembly and 5M3332 Heater Switch parts are shown on Page 92



2M7930 HEATER ASSEMBLY

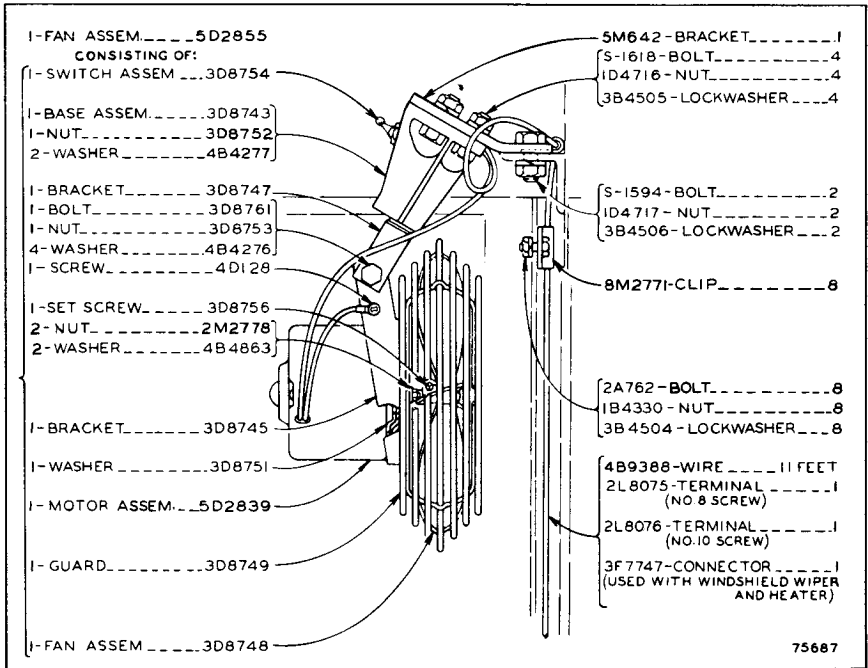
Part of 3K7438 Recirculating Cab Heater Group shown on Page 91



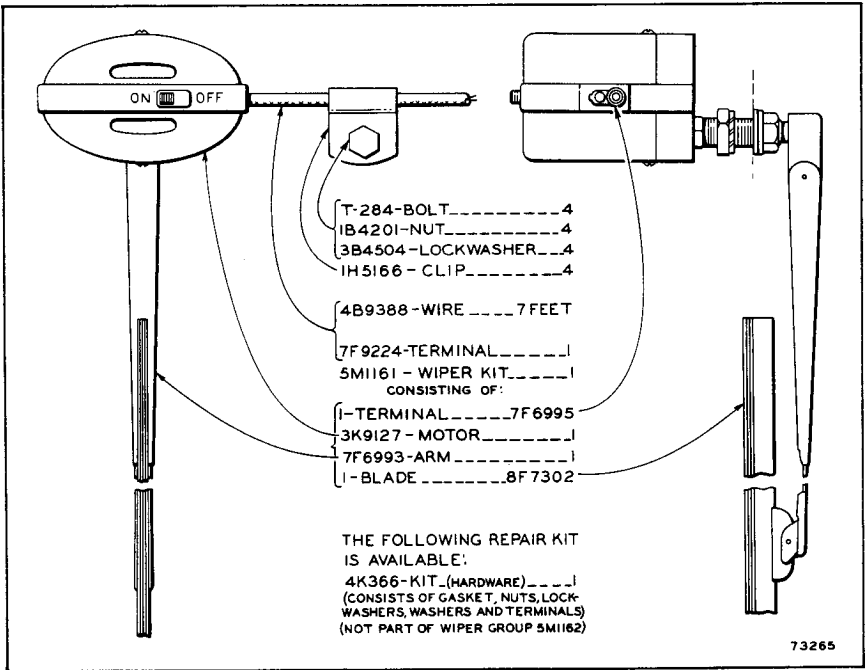
5M3332 HEATER SWITCH

Part of 3K7438 Recirculating Cab Heater Group shown on Page 91

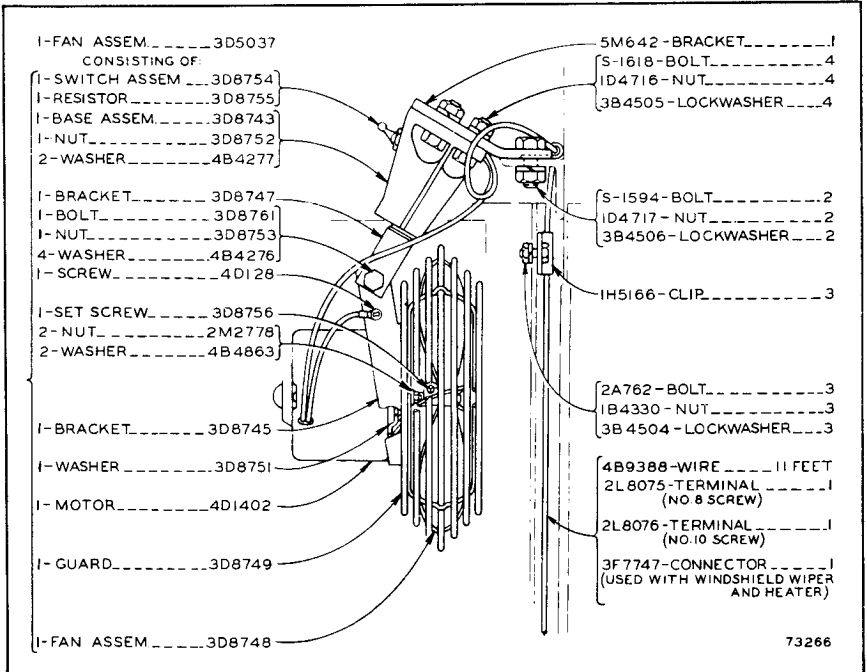
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



5M2022 DEFROSTER FAN GROUP—12 Volt—Second Type

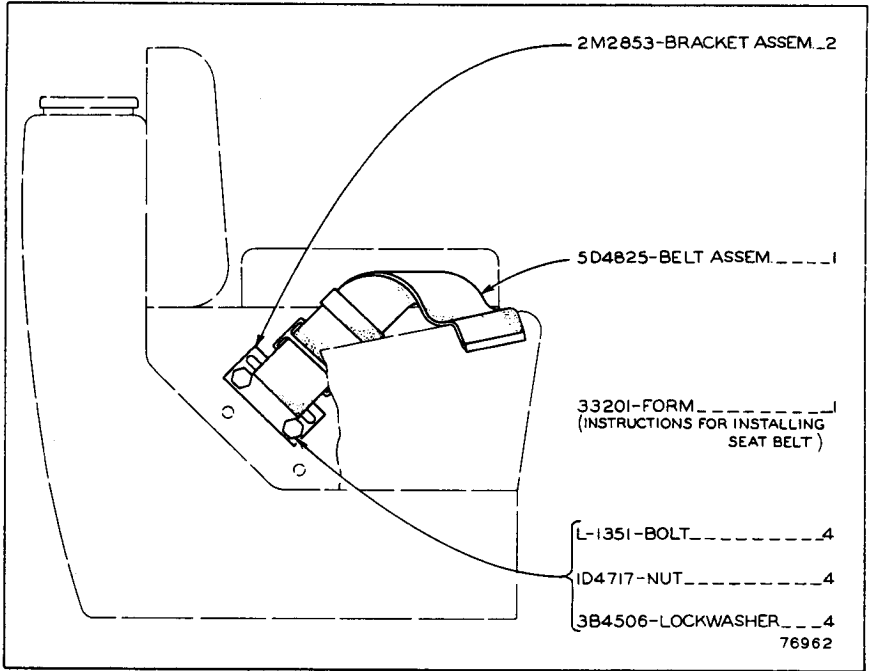


5M1162 WINDSHIELD WIPER GROUP—12 Volt

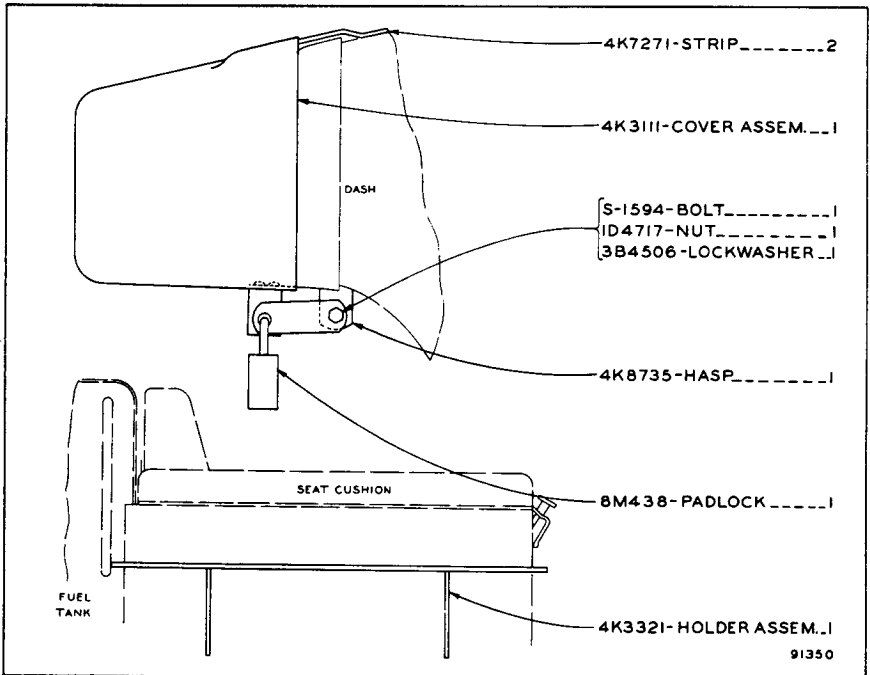


5M2022 DEFROSTER FAN GROUP—12 Volt

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

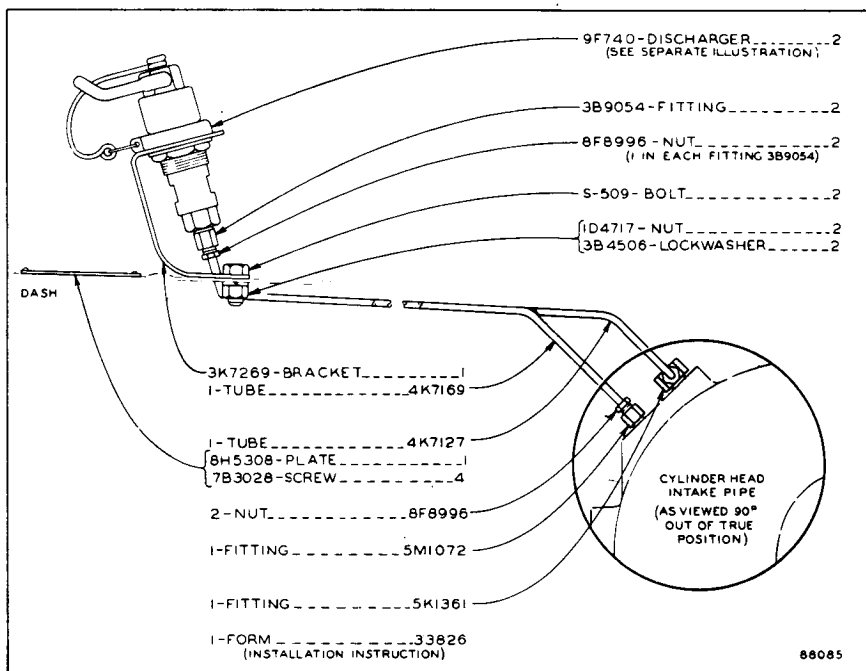


2M2832 SEAT BELT GROUP



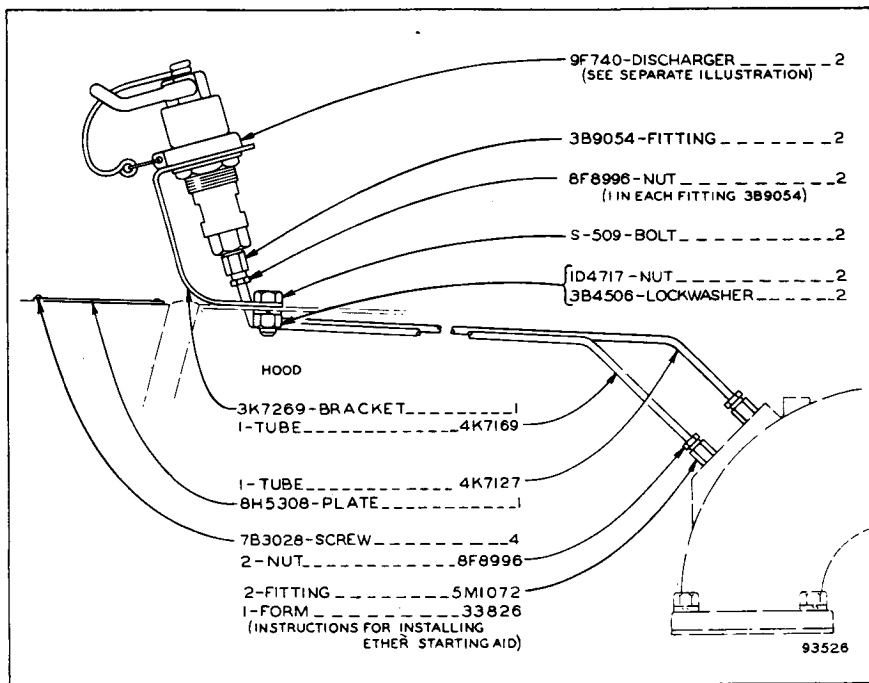
4K3110 PROTECTIVE COVER GROUP—Instrument Panel

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



5K1359 ETHER STARTING AID GROUP

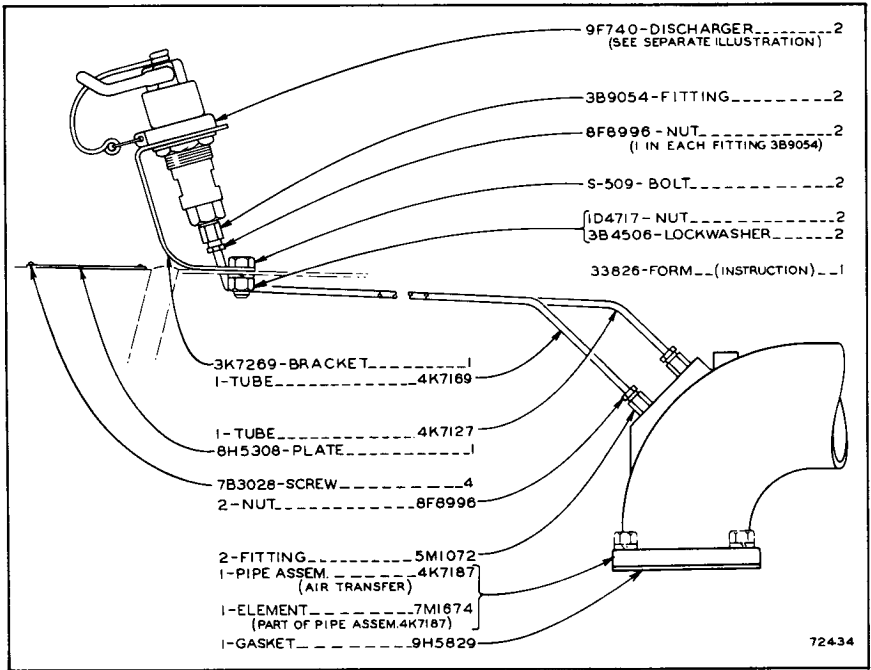
For use with Altitude Normalizing Arrangements listed on Pages 78A, 78B and 78C
9F740 Discharger parts are shown on Page 95



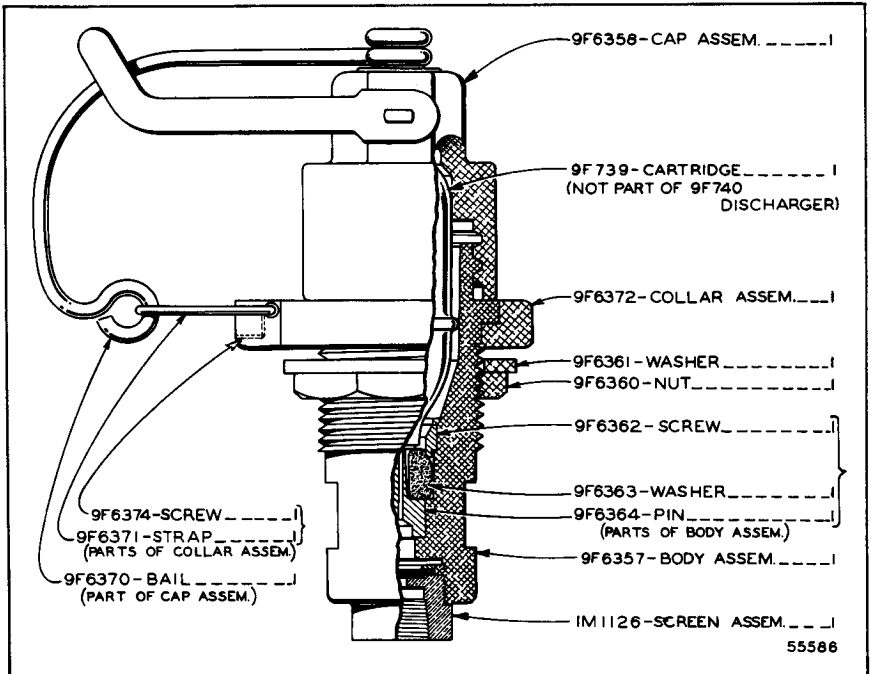
4K6915 ETHER STARTING AID GROUP—Second Type

For use with 24 Volt Starting System. 9F740 Discharger parts are shown on Page 95

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



4K6915 ETHER STARTING AID GROUP
For use with 24 Volt Starting System



9F740 DISCHARGER
Part of 4K6915 Ether Starting Aid Group

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

9M8377	Consists of:	Page
1	4K5992 Choke, Throttle and Fuel Shut-Off Control Group	98
1	4K6270 Clutch, Pinion and Brake Control Group	98
1	4K6351 Battery and Wiring Group	102
1	9M7548 Electric Starting Arrangement	96

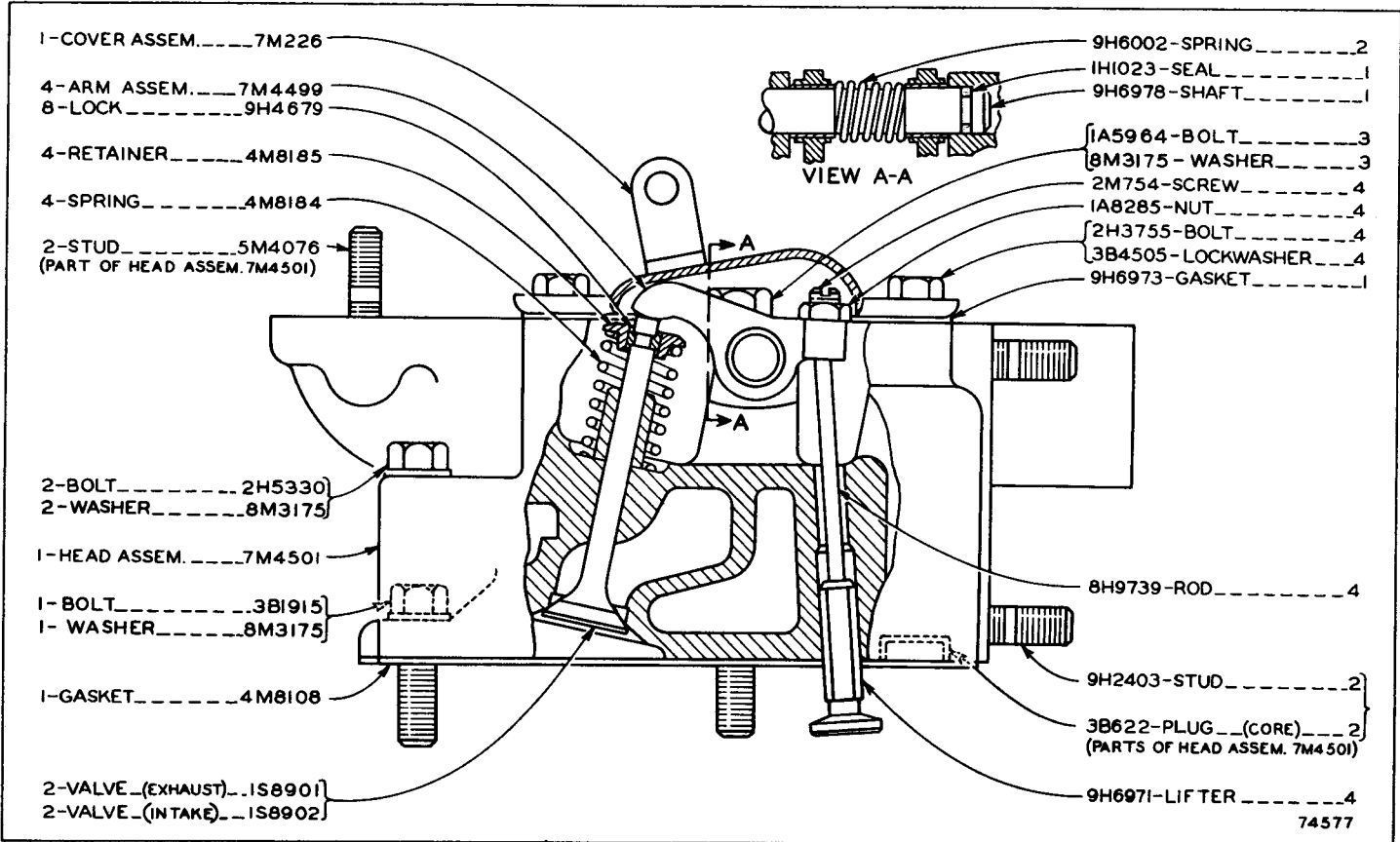
9M7548 Part of 9M8377 Electric Starting Arrangement

Consists of:

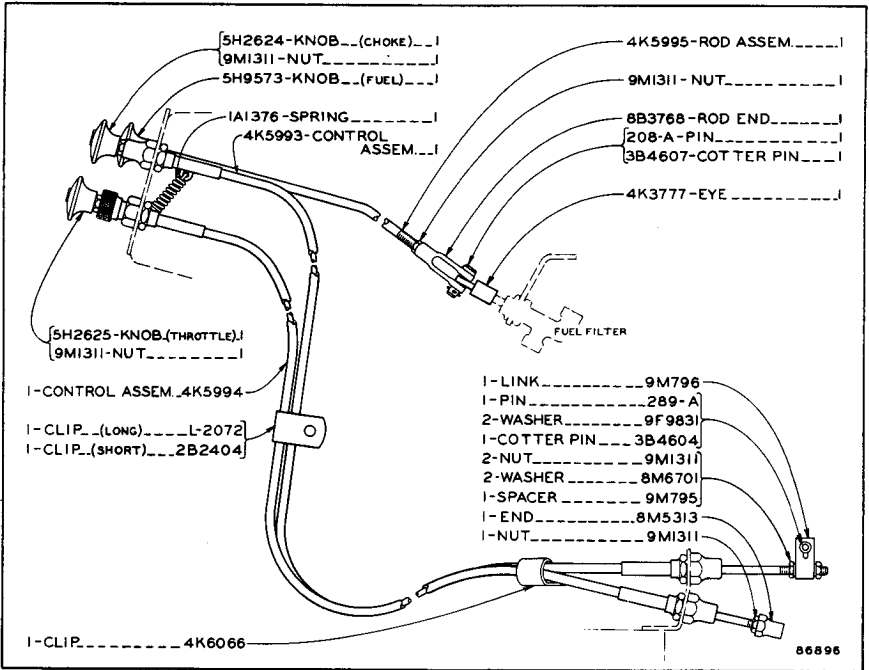
1	..... Cylinder Head and Valve Mechanism	97
1	9H3675 Electric Starter Group	99
1	8M9400 Fuel System Group	99
1	IS150 Generator Assembly	101
2	2B2695 Bolt—Bracket to Cylinder Block Cover	
3	3B4506 Lockwasher— $\frac{3}{8}$ "	
1	3B4507 Lockwasher— $\frac{7}{16}$ "	
2	3B4508 Lockwasher— $\frac{1}{2}$ "	
1	1M7472 Spacer—To Strap	
1	5M5333 Pulley—Generator	
1	7M2677 Sleeve—Generator to Timing Gear Housing	
1	8M5312 Spacer—Rod to Carburetor	
1	9M794 Bracket—Flexible Controls to Cylinder Block Cover	
2	9M5751 Rod Assembly—Carburetor to Governor Lever	
1	9M9967 Spacer—Generator to Timing Gear Housing	
1	IS156 Strap—To Generator	
1	IS316 Washer—Strap to Generator	
2	S-1604 Bolt—Generator to Timing Gear Housing	
1	S-1619 Bolt—Strap to Spacer	
1	T-768 Bolt—Strap to Generator	

ELECTRIC STARTING ARRANGEMENTS—12 Volt
For use with Gasoline Starting Engine

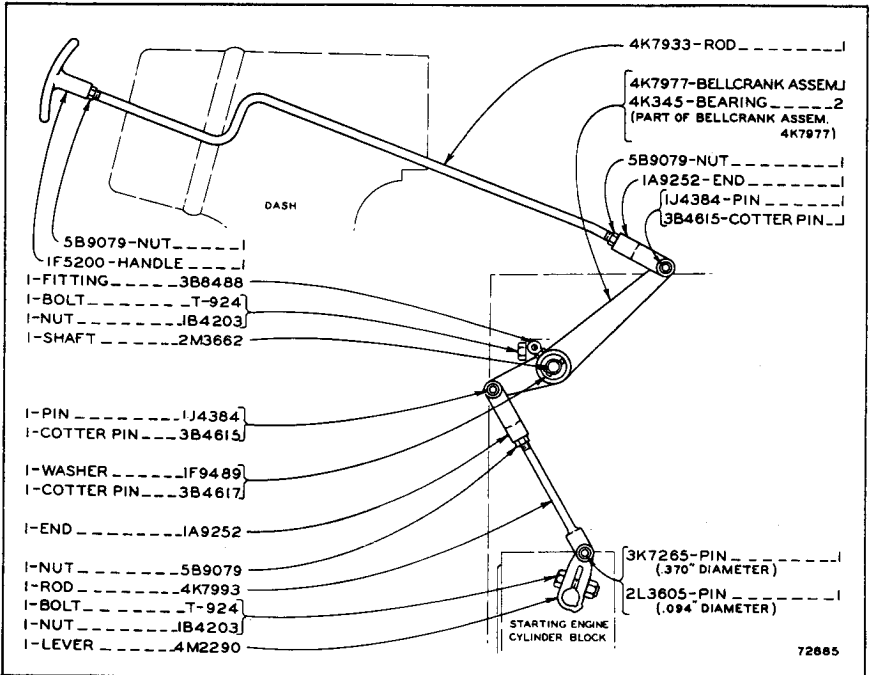
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



CYLINDER HEAD AND VALVE MECHANISM
Part of 9M7548 Electric Starting Arrangement

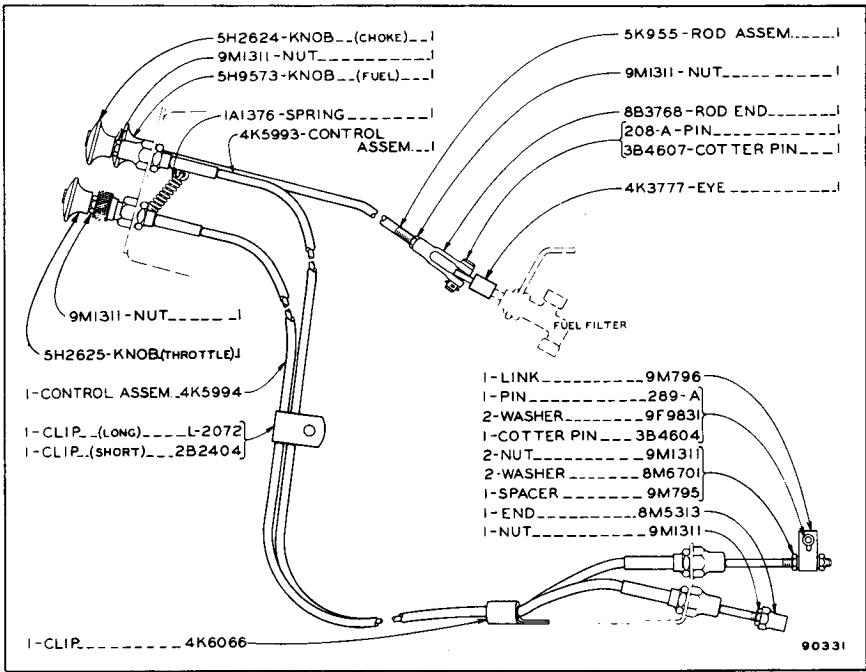


4K5992 CHOKE, THROTTLE AND FUEL SHUT-OFF CONTROL GROUP
 Part of 9M8377 Electric Starting Arrangement listed on Page 96

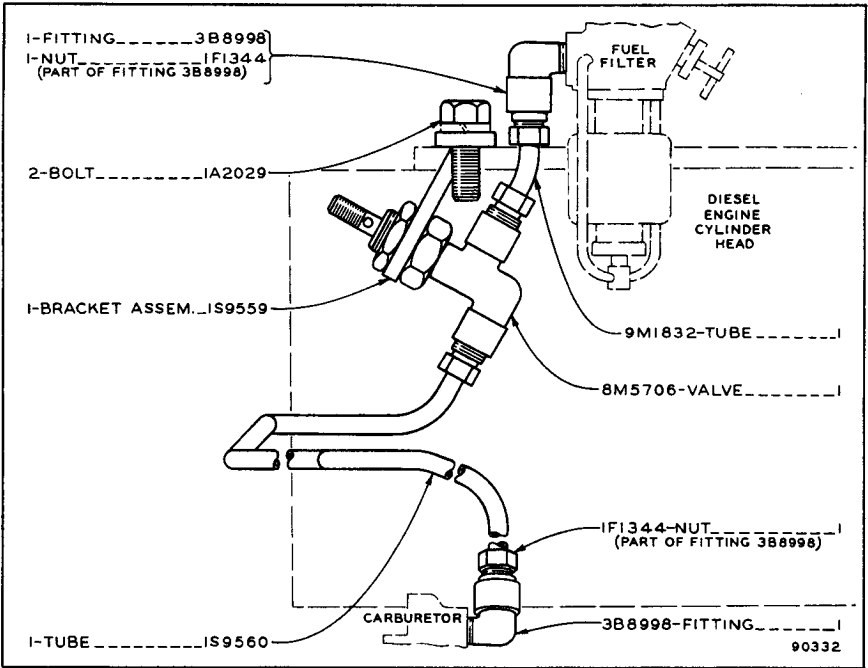


4K6270 CLUTCH, PINION AND BRAKE CONTROL GROUP
 Part of 9M8377 Electric Starting Arrangement listed on Page 96

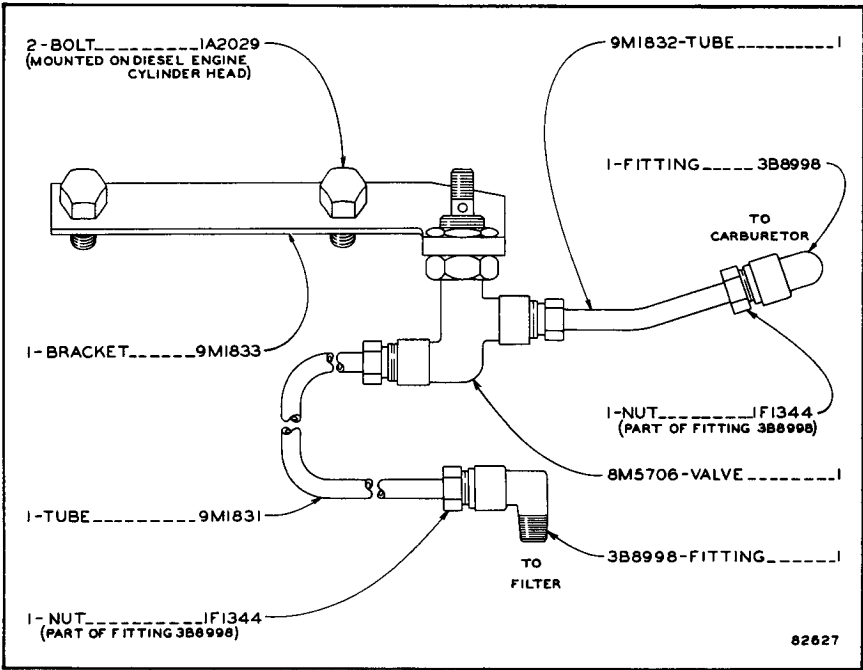
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



5K953 CHOKE, THROTTLE AND FUEL SHUT-OFF CONTROL GROUP
 Part of 9M8377 Electric Starting Arrangement listed on Page 96

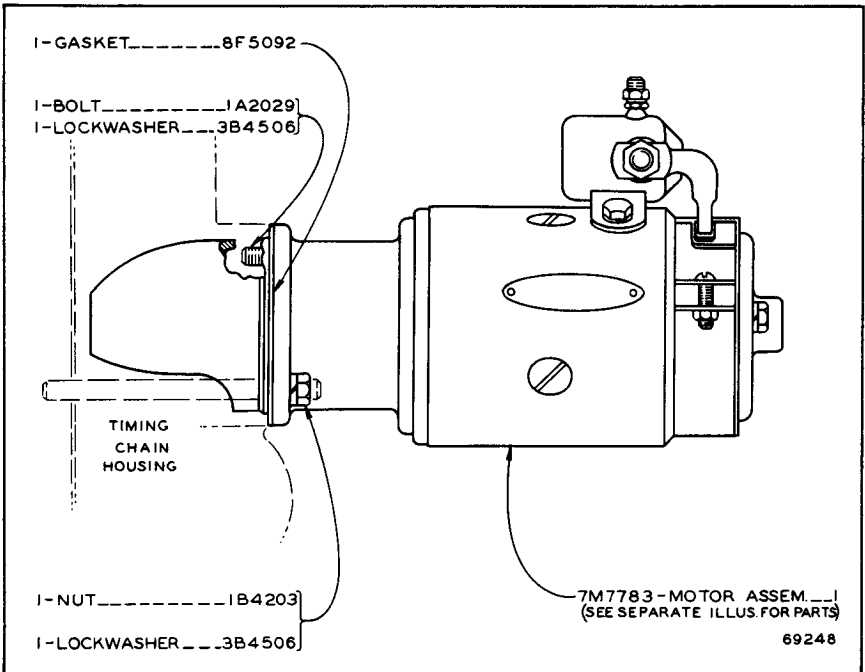


8M9400 FUEL SYSTEM GROUP—Second Type
Part of 9M7548 Electric Starting Arrangement listed on Page 96



8M9400 FUEL SYSTEM GROUP

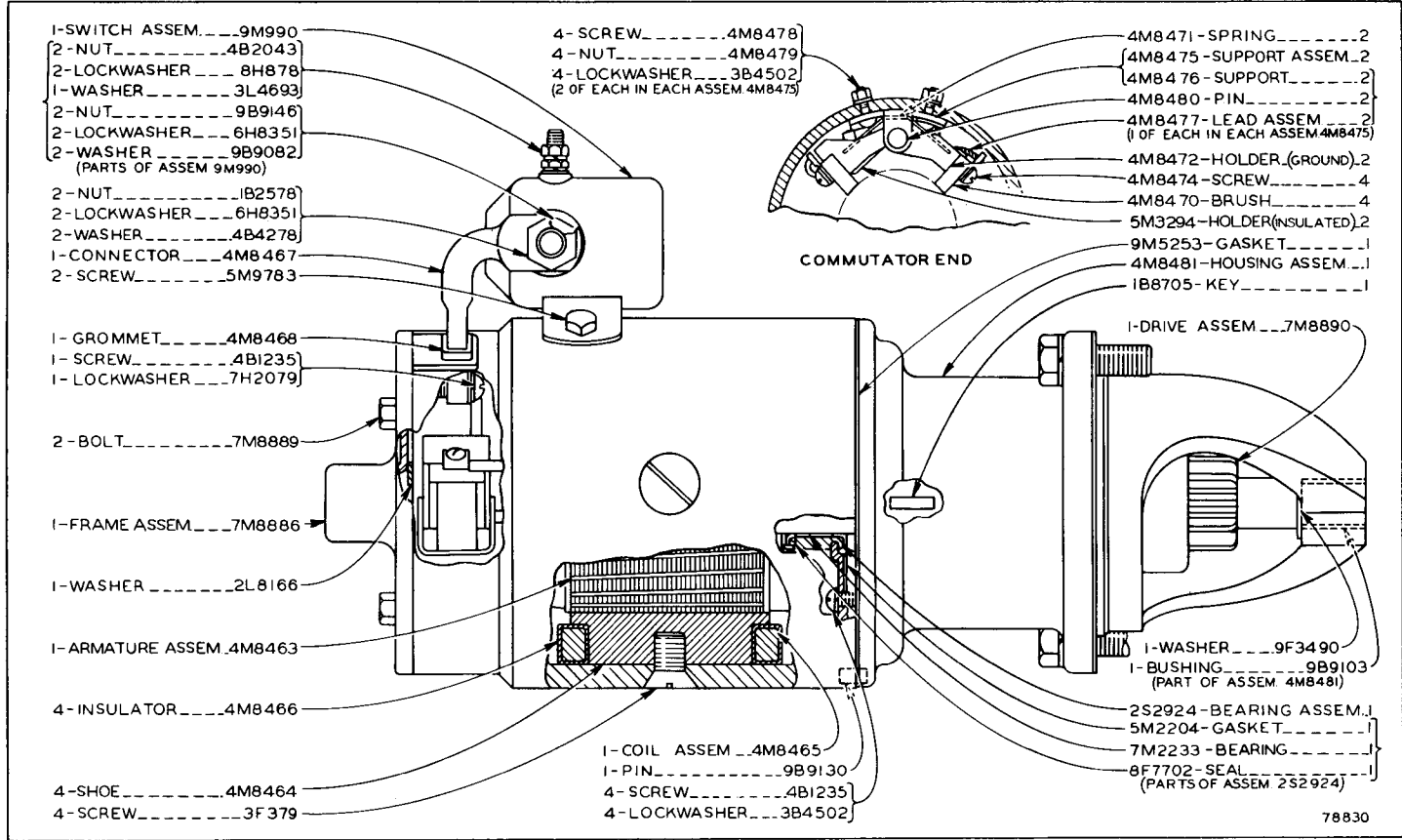
Part of 9M7548 Electric Starting Arrangement listed on Page 96



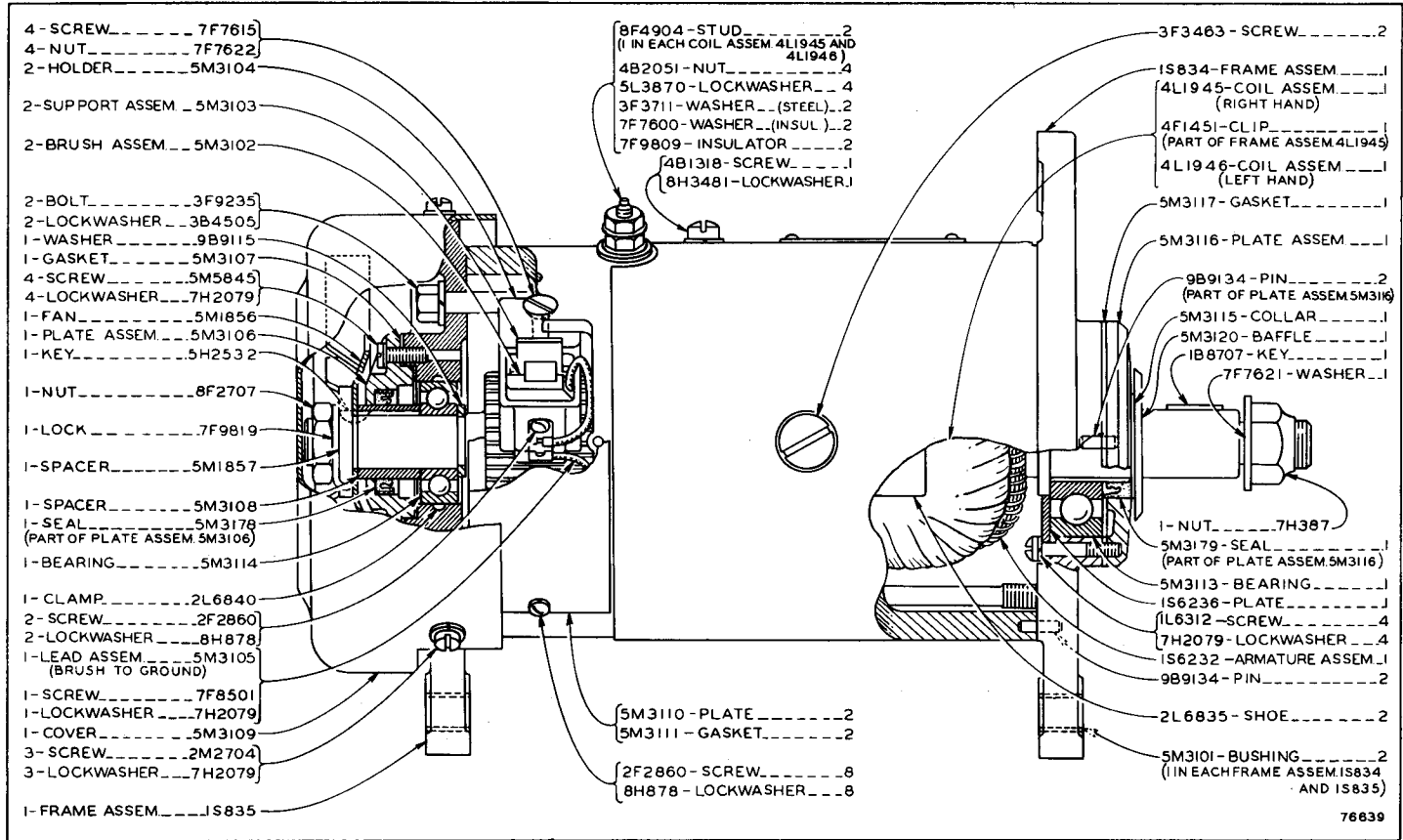
9H3675 ELECTRIC STARTER GROUP—12 Volt

Part of 9M7548 Electric Starting Arrangement listed on Page 96
7M7783 Electric Starting Motor Assembly parts are shown on Page 100

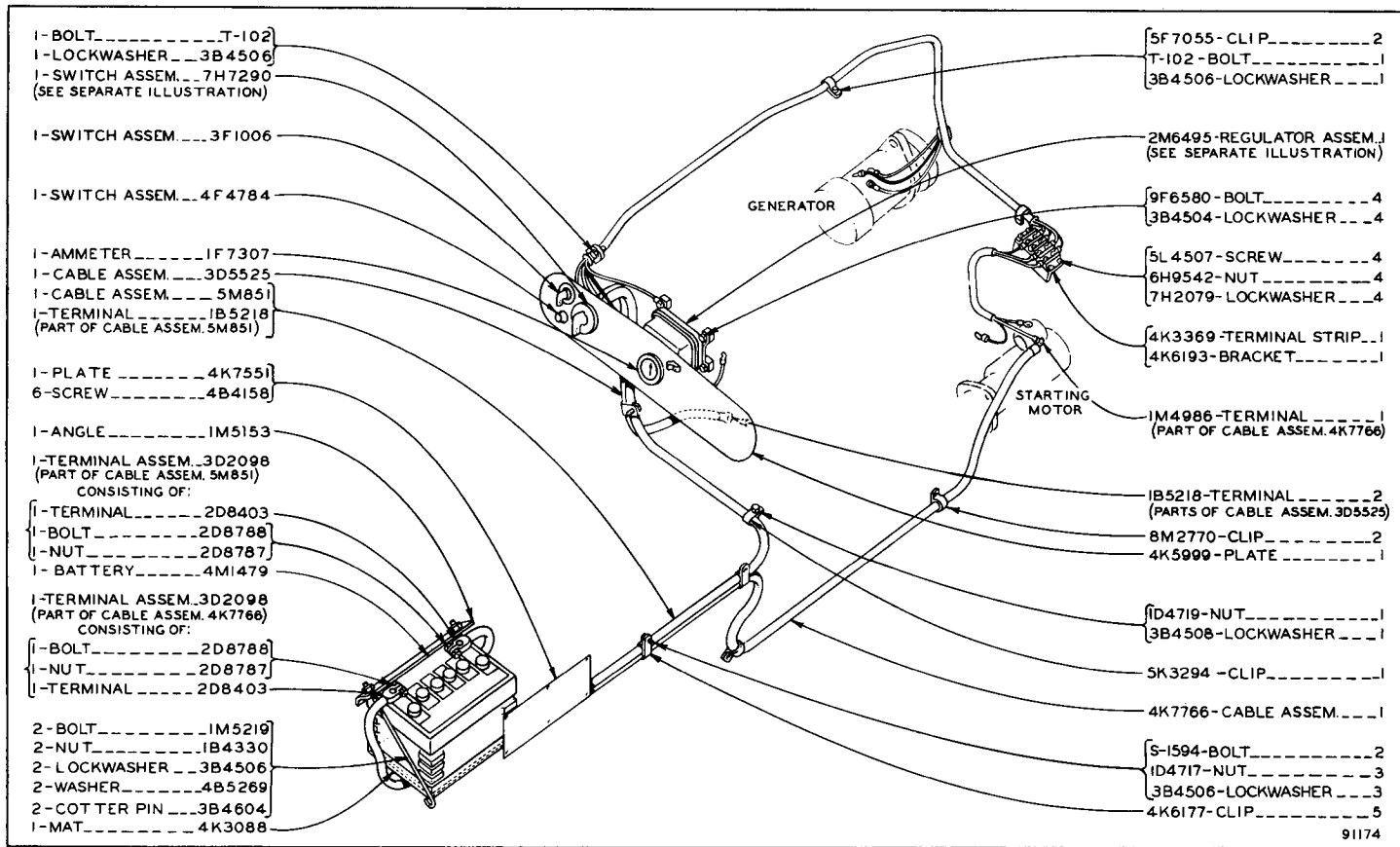
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



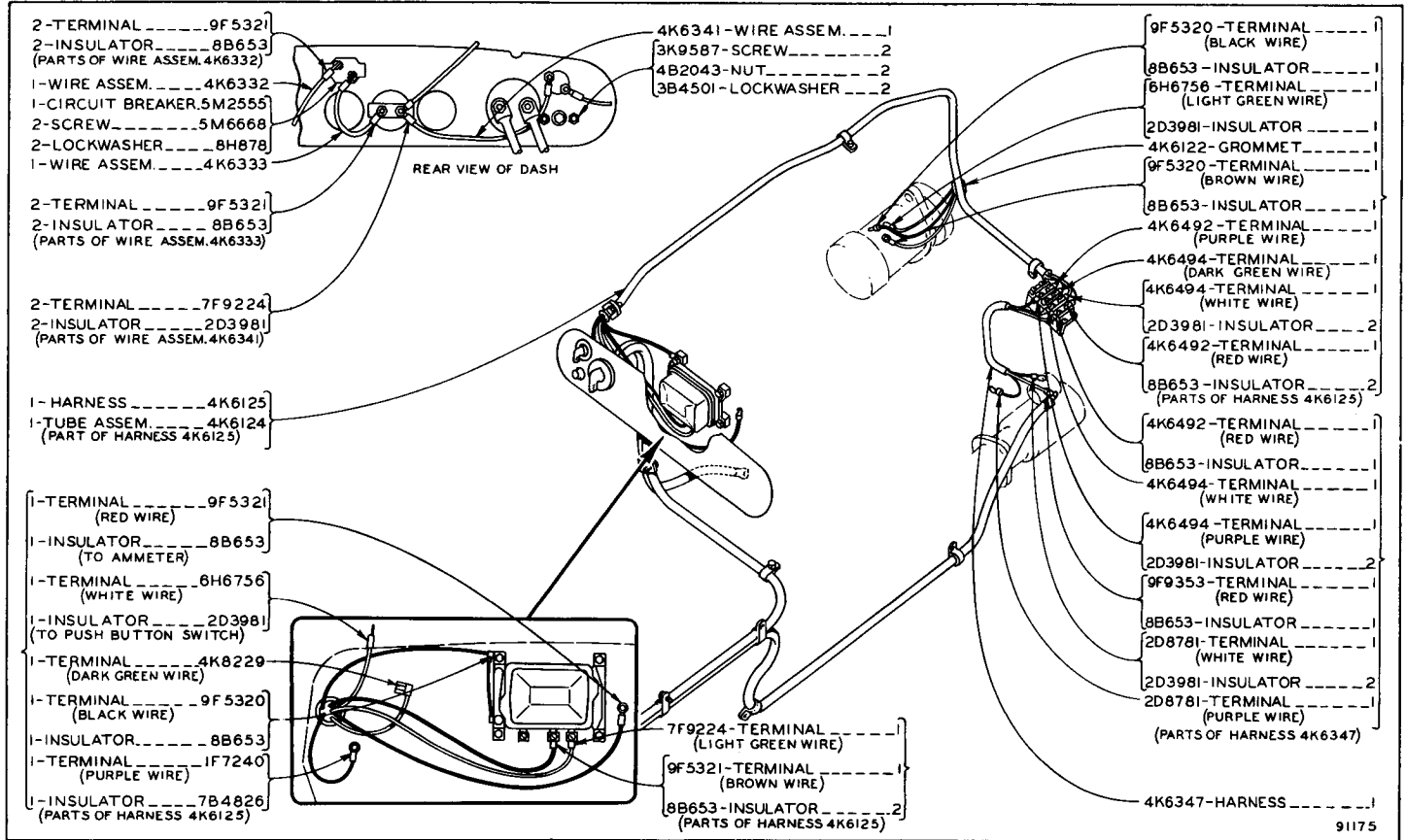
7M7783 ELECTRIC STARTING MOTOR ASSEMBLY—12 Volt
 Part of 9H3675 Electric Starter Group shown on Page 99



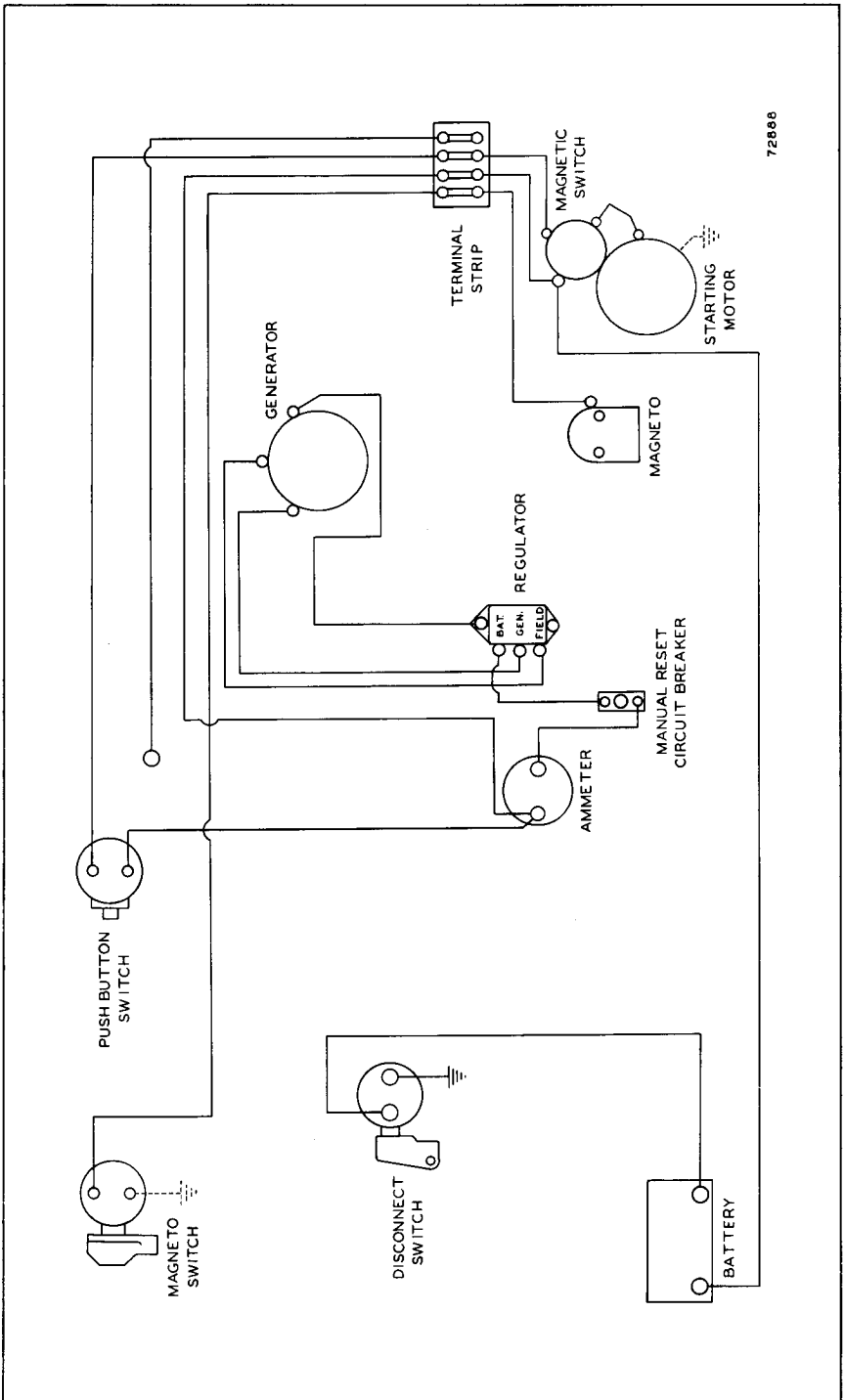
IS150 GENERATOR ASSEMBLY—12 Volt, 24 Ampere
 Part of 9M7548 Electric Starting Arrangement and 4K8940 Generator Group shown on Pages 96 and 119



4K6351 BATTERY AND WIRING GROUP—12 Volt—Part One
 Part of 9M8377 Electric Starting Arrangement listed on Page 96
 2M6495 Regulator Assembly and 7H7290 Switch Assembly parts are shown on Pages 105 and 106
 See also 9M8377 Electric Starting Arrangement illustration on Page 96



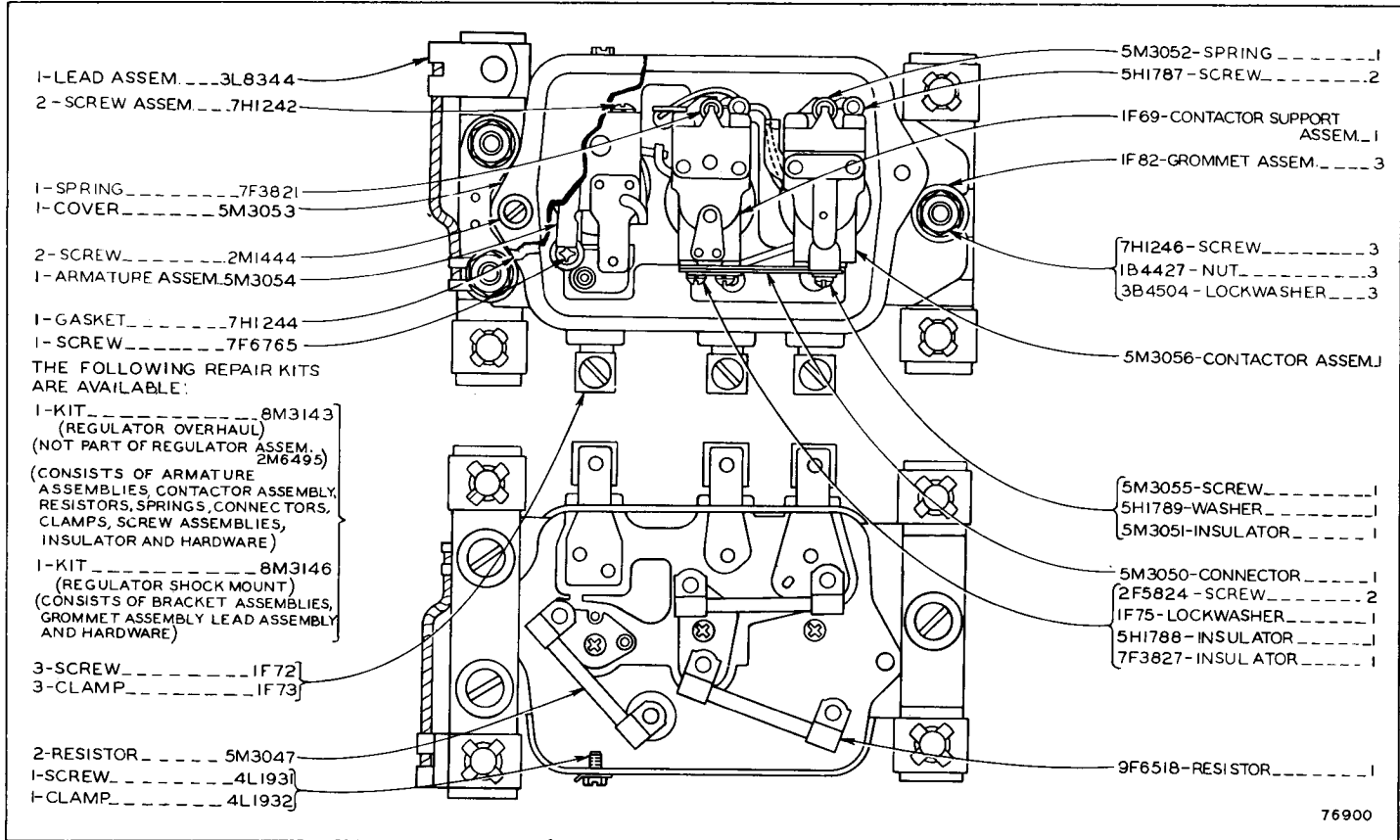
4K6351 BATTERY AND WIRING GROUP—12 Volt—Part Two
 Part of 9M8377 Electric Starting Arrangement listed on Page 96
 See Page 104 for Wiring Diagram



72886

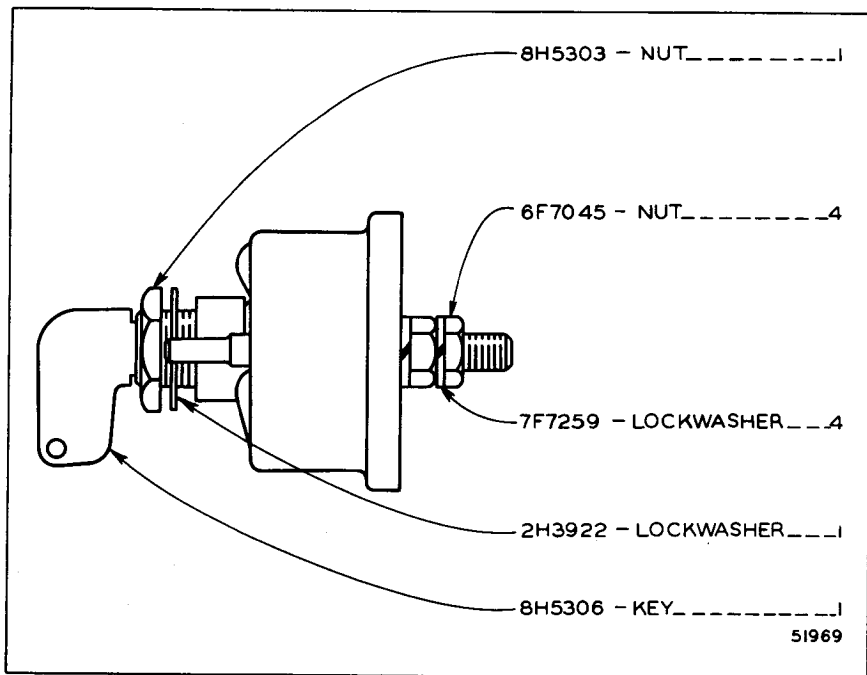
WIRING DIAGRAM—12 Volt

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



76900

2M6495 REGULATOR ASSEMBLY—12 Volt, 24 Ampere
 Part of 4K6351 Battery and Wiring Group and 4K6350 Electrical Group shown on Pages 102 and 120



7H7290 DISCONNECT SWITCH ASSEMBLY

Part of 4K6351 and 4K6573 Battery and Wiring Groups shown on Pages 102 and 115

9M8376 For use with Dry Clutch

Consists of: Page

- I Flywheel 107
- I 4K6573 Battery and Wiring Group..... 114
- I 9M6561 Direct Electric Starting Arrangement..... 107

9M8378 For use with Oil Clutch

Consists of:

- I 4K6573 Battery and Wiring Group..... 114
- I 9M6561 Direct Electric Starting Arrangement..... 107

DIRECT ELECTRIC STARTING ARRANGEMENTS—24 Volt—Factory Installation

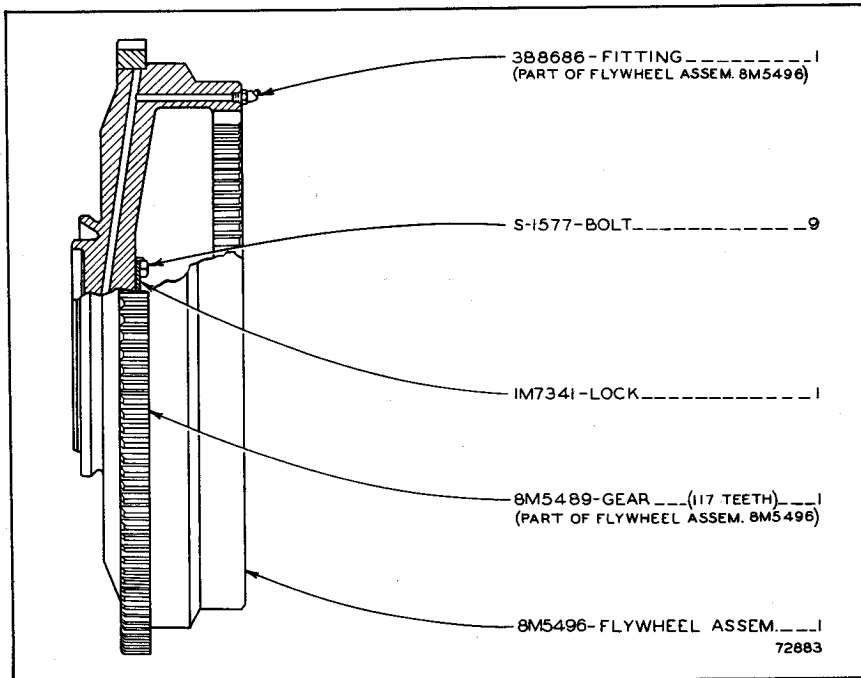
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

Consists of:

Page

1	.....	Cylinder Head Assembly.....	108
1	1M55	Starting Motor Group.....	109
1	2M5459	Generator Group.....	112
1	9M7968	Glow Plug and Wiring Group.....	109
4	3B4506	Lockwasher— $\frac{3}{8}$ "	
1	4B5166	Cover—Cylinder Head	
1	7H4223	Gasket—Cylinder Head	
1	1M130	Cover—Starting Engine Water Passage	
1	4M6480	Gasket—Starting Engine Water Passage	
2	L-1351	Bolt—Cover to Block	
2	L-1351	Bolt—Cover to Head	
1	S-1588	Bolt—Air Transfer Pipe to Head	
3	S-1588	Bolt—Manifold to Exhaust Pipe	
1	S-1594	Bolt—Cover to Cylinder Head	

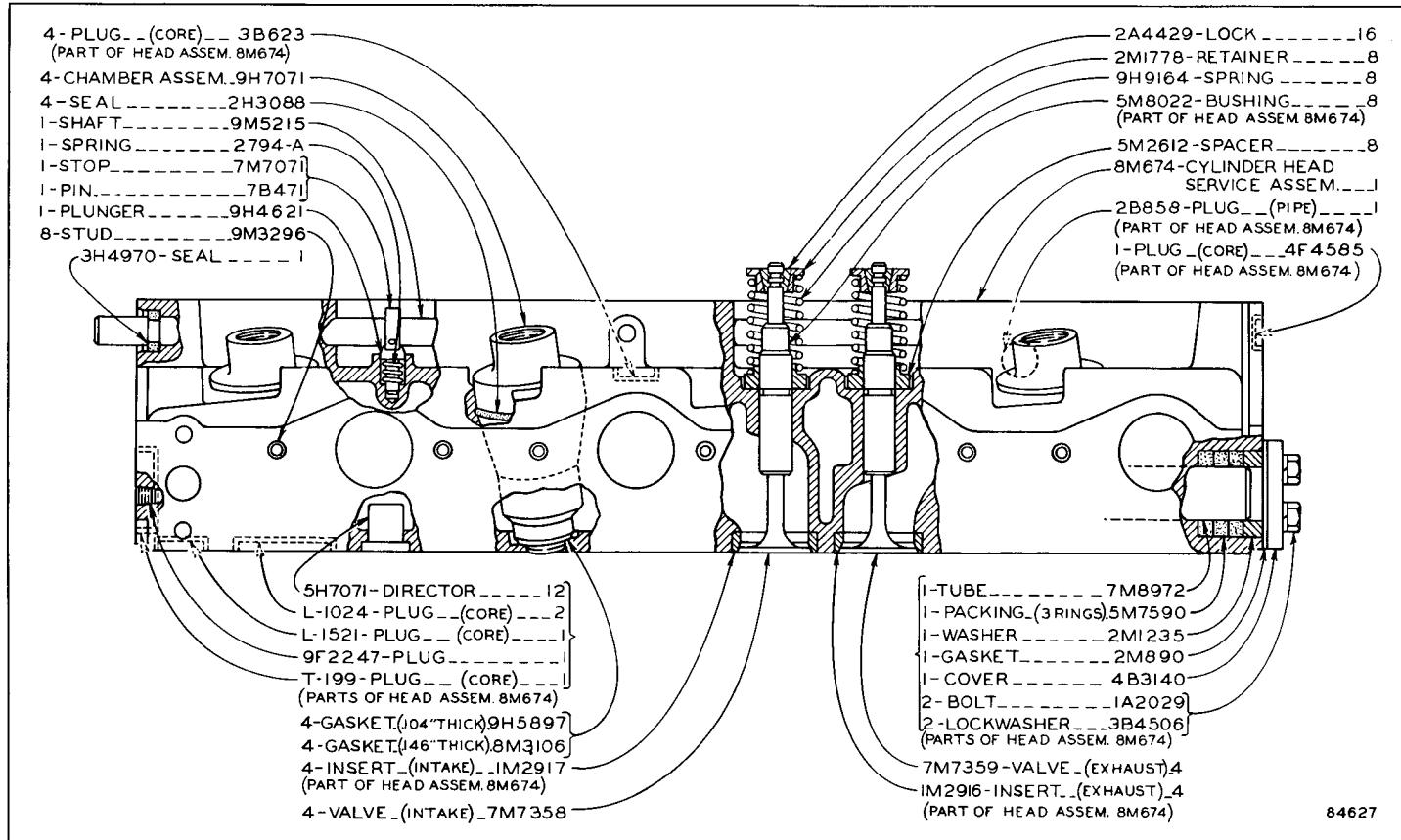
9M6561 DIRECT ELECTRIC STARTING ARRANGEMENT—24 Volt
 Part of 9M8376 and 9M8378 Direct Electric Starting Arrangements



FLYWHEEL

Part of 9M8376 Direct Electric Starting Arrangement

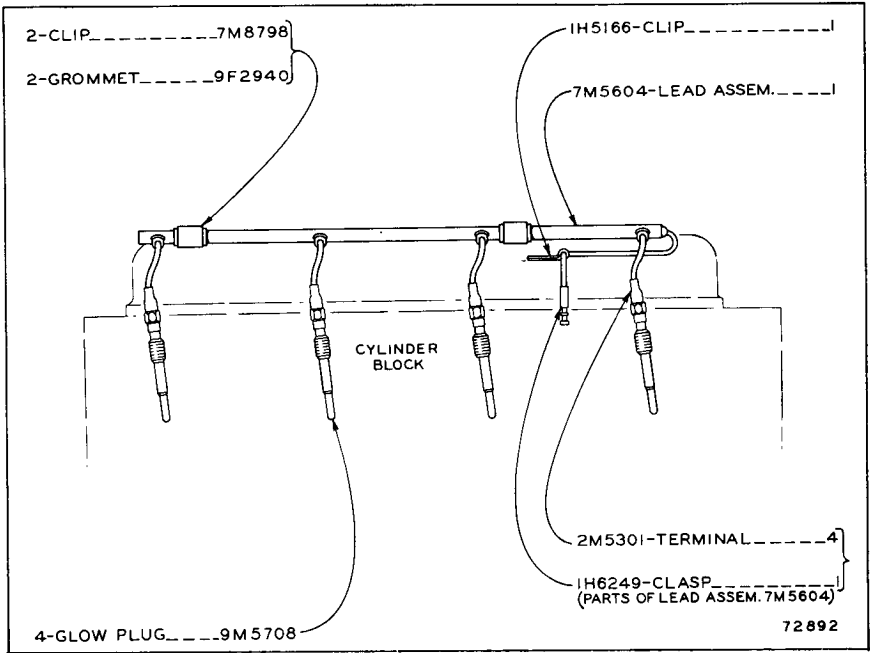
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



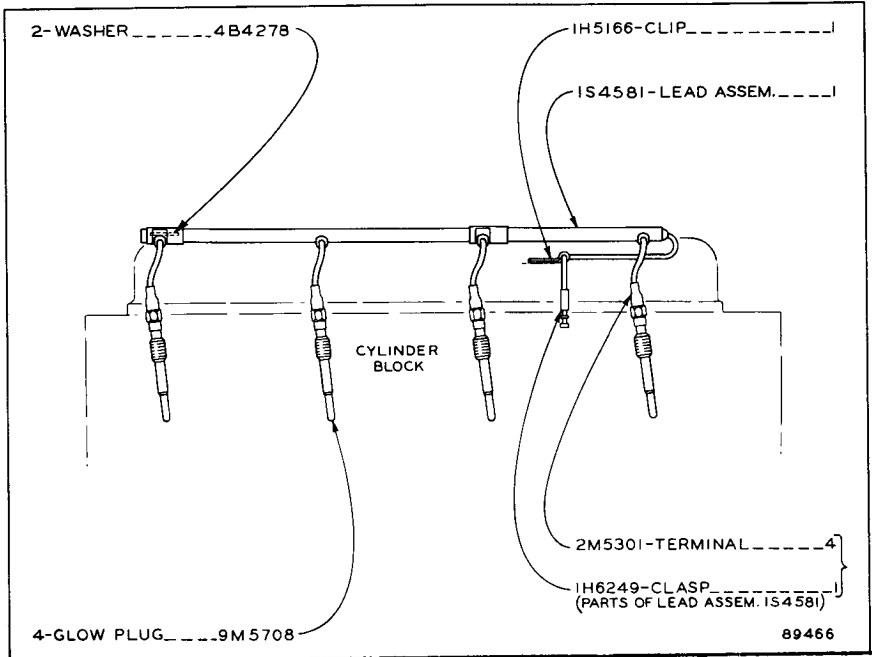
84627

CYLINDER HEAD ASSEMBLY

Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107

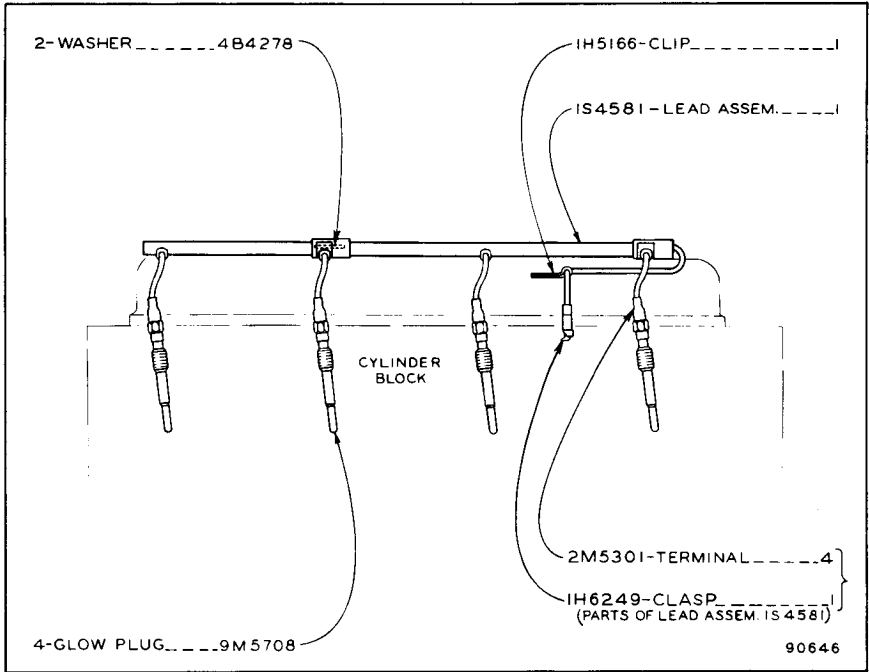


9M7968 GLOW PLUG AND WIRING GROUP—First Type
 Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107
 Only separate parts serviced. When complete Group is required
 order 2S501 shown on Page 108B



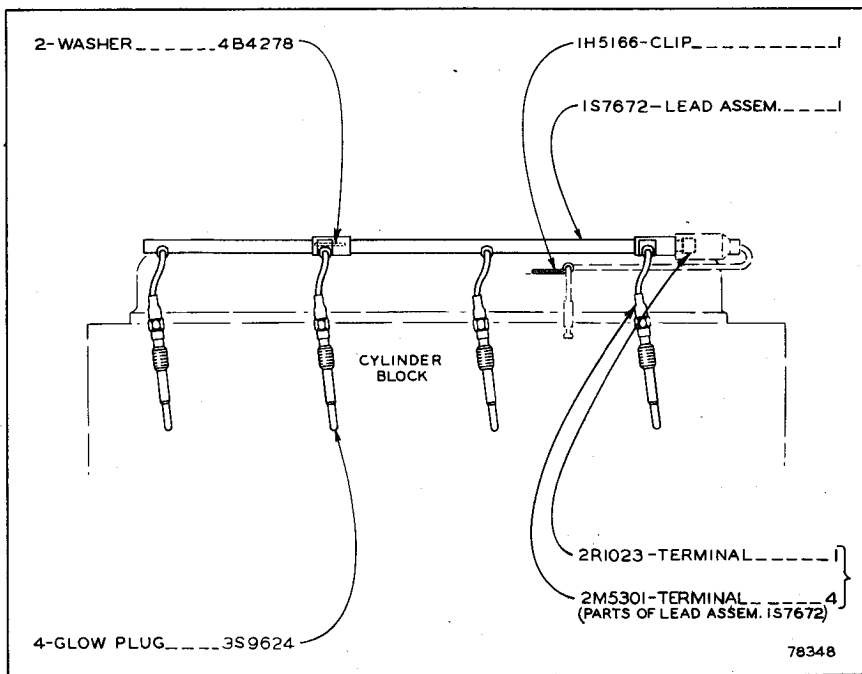
9M7968 GLOW PLUG AND WIRING GROUP—Second Type
 Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107
 Only separate parts serviced. When complete Group is required
 order 2S501 shown on Page 108B

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



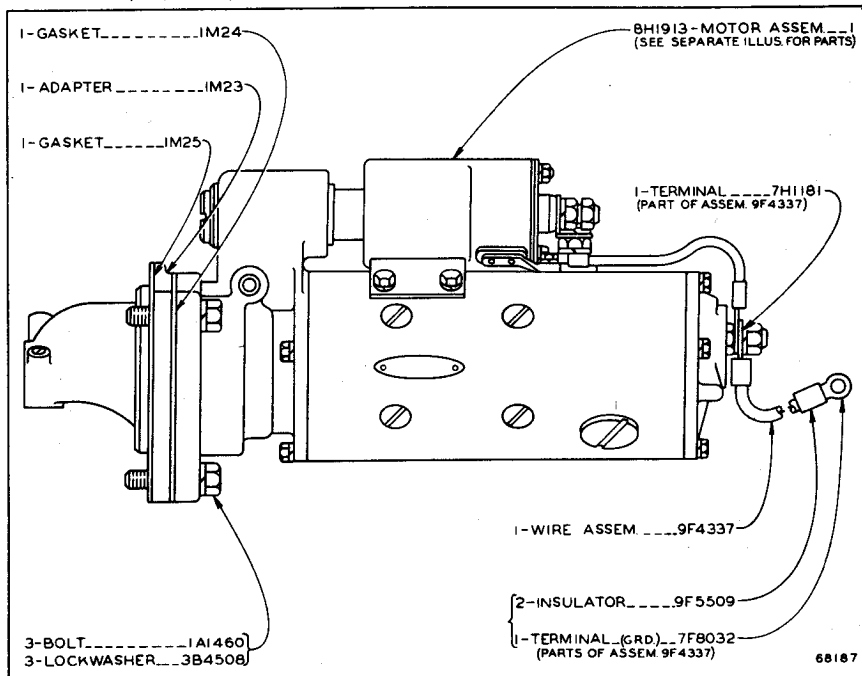
25501 GLOW PLUG AND WIRING GROUP

Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107



9M7968 GLOW PLUG AND WIRING GROUP—Third Type

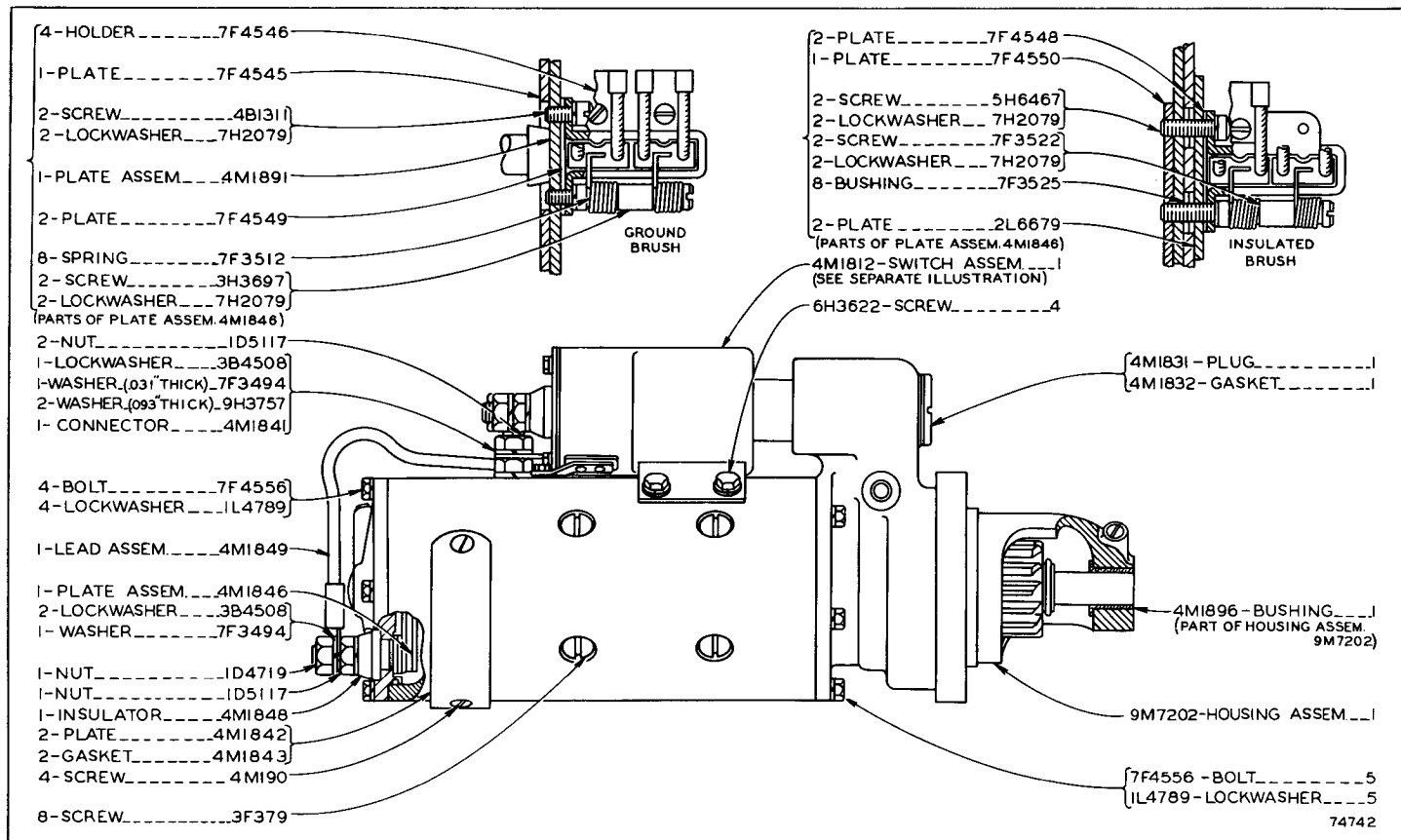
Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107
 Only separate parts serviced. When complete Group is required order 2S501



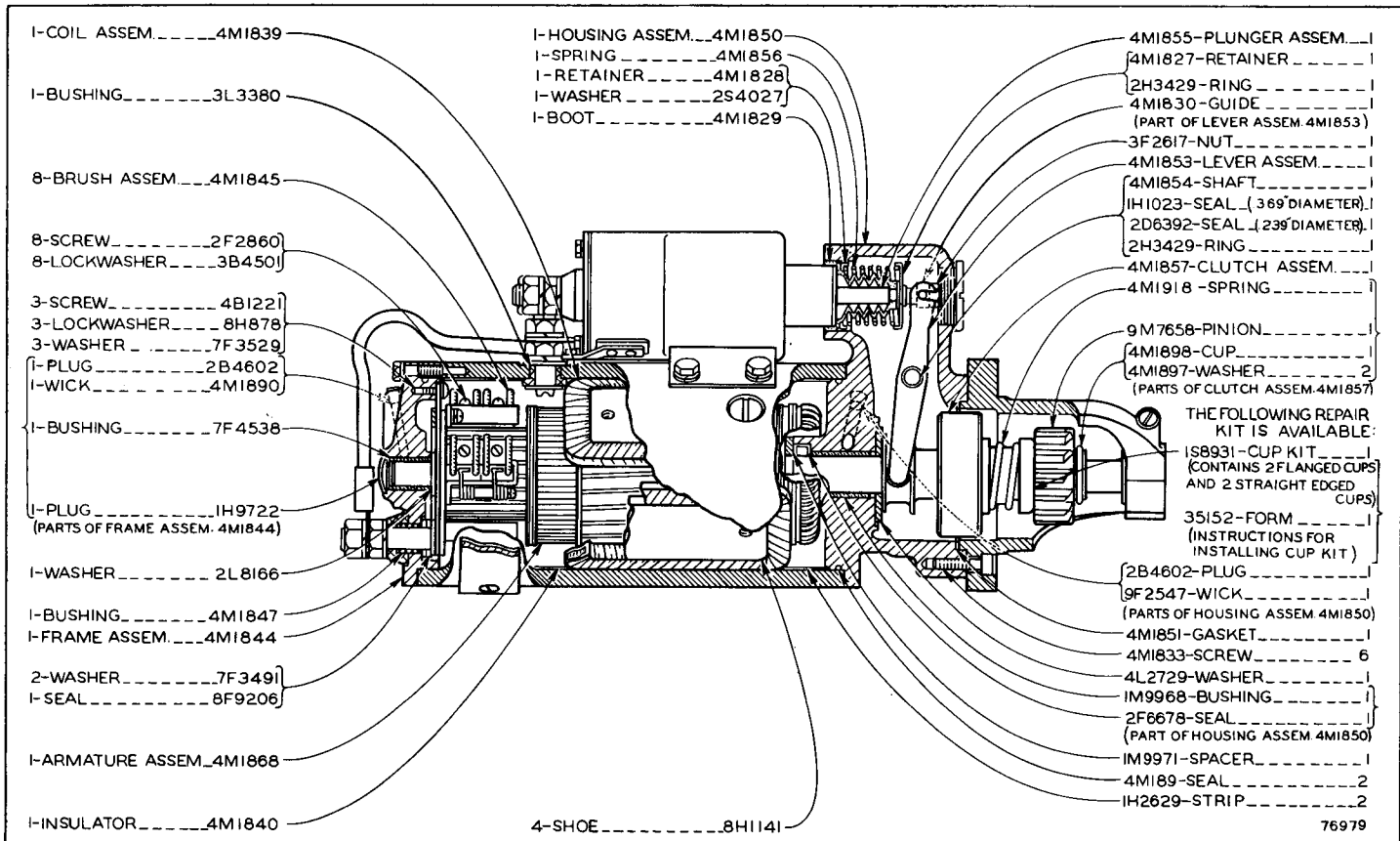
IM55 STARTING MOTOR GROUP—24 Volt

Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107
 8H1913 Motor Assembly parts are shown on Pages 110 and 111

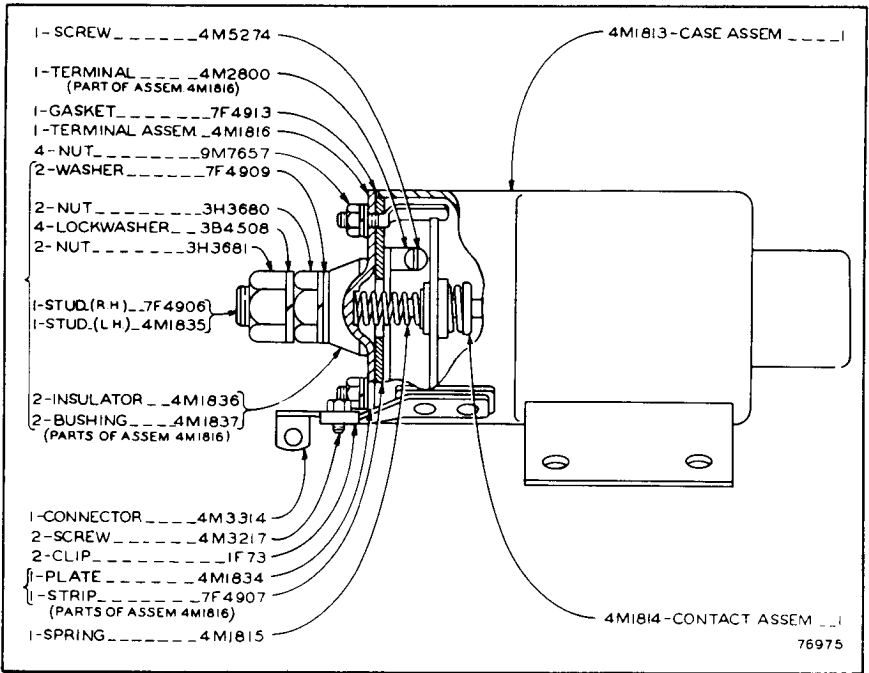
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



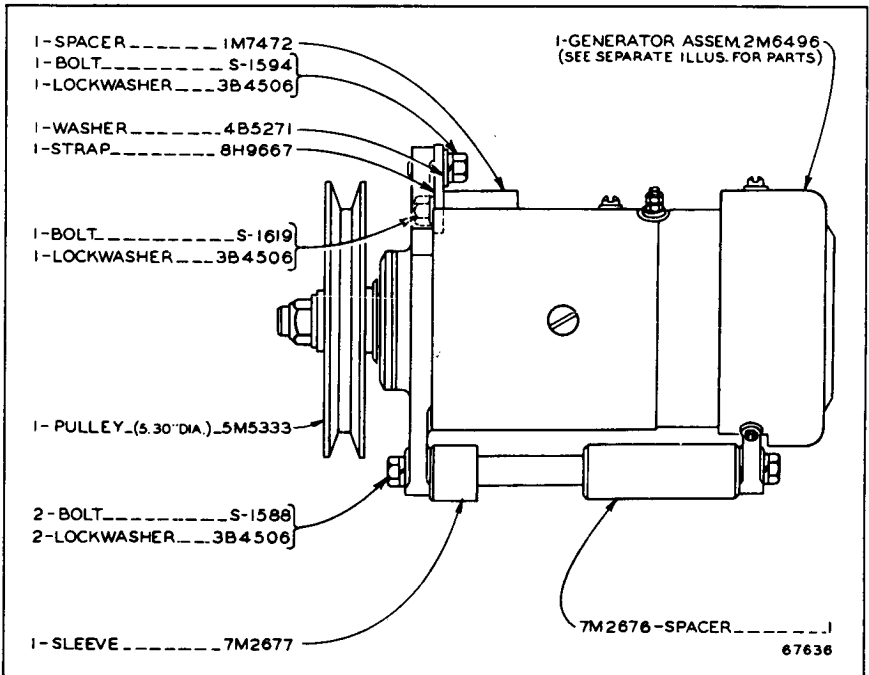
8H1913 MOTOR ASSEMBLY—24 Volt—Part One
 Part of 1M55 Starting Motor Group shown on Page 109
 4M1812 Solenoid Switch Assembly parts are shown on Page 112



8H1913 MOTOR ASSEMBLY—24 Volt—Part Two
Part of 1M55 Starting Motor Group shown on Page 109

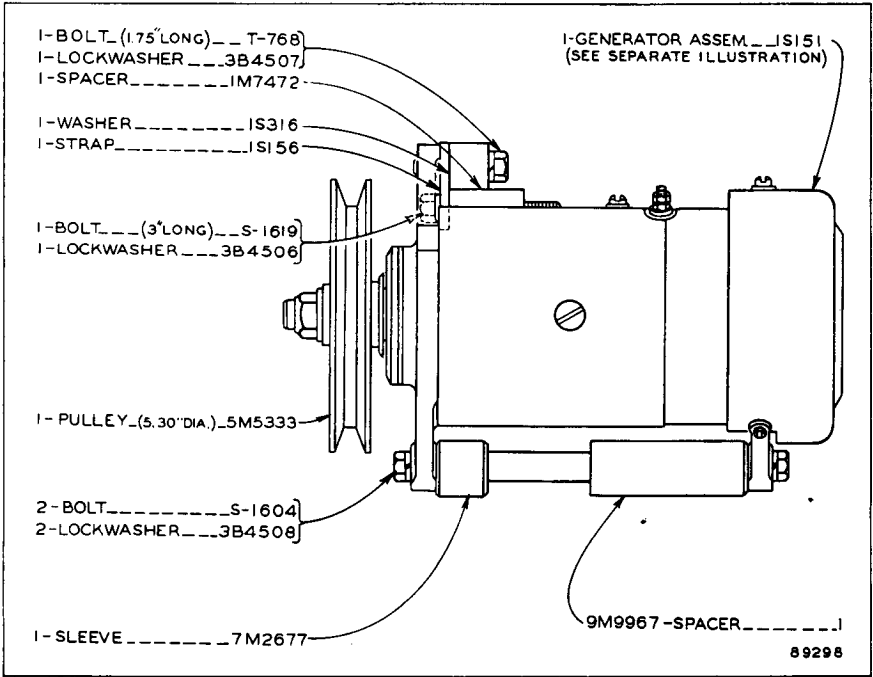


4M1812 SOLENOID SWITCH ASSEMBLY
Part of 8H1913 Motor Assembly shown on Page 110



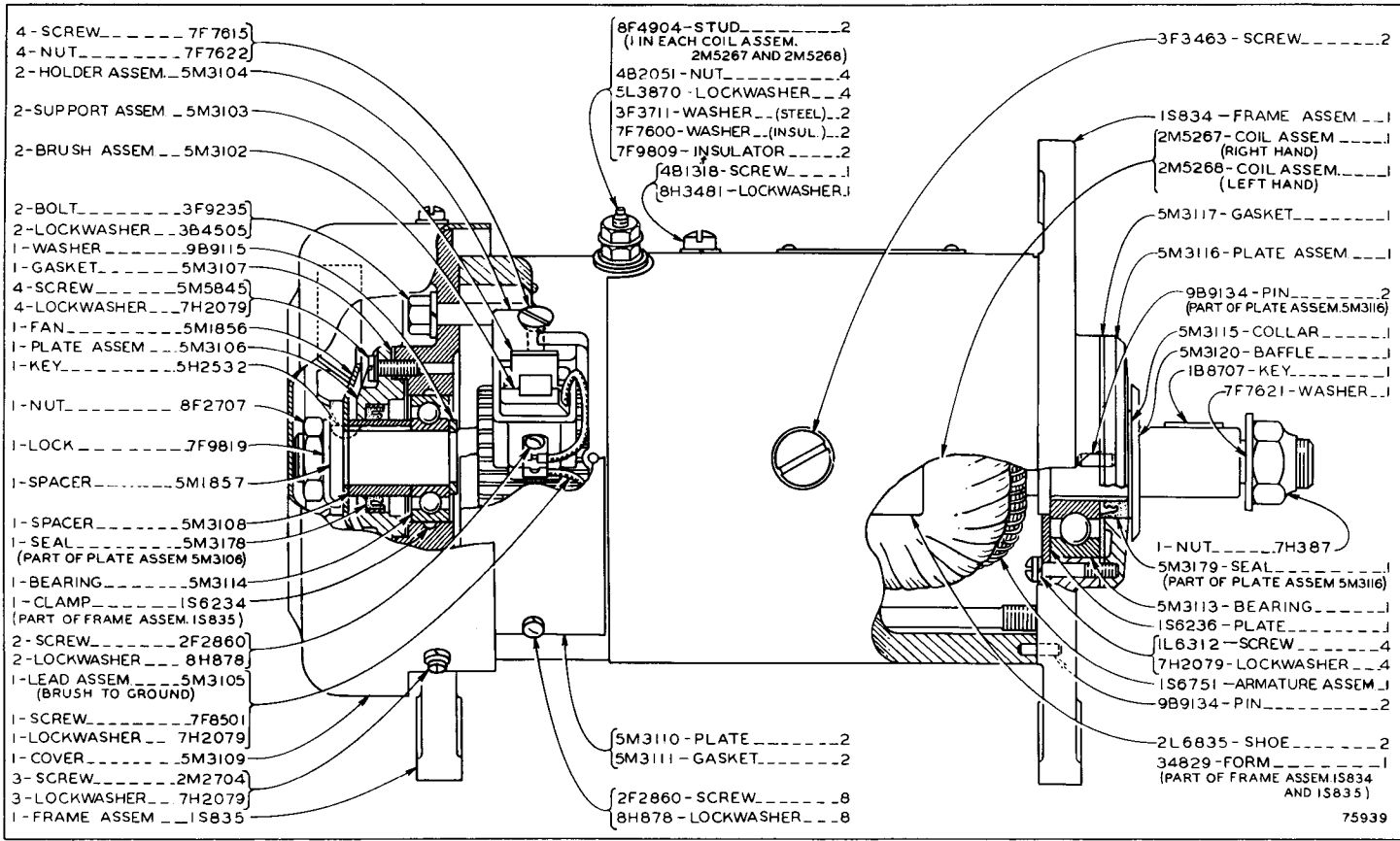
2M5459 GENERATOR GROUP—24 Volt, 15 Ampere
Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107

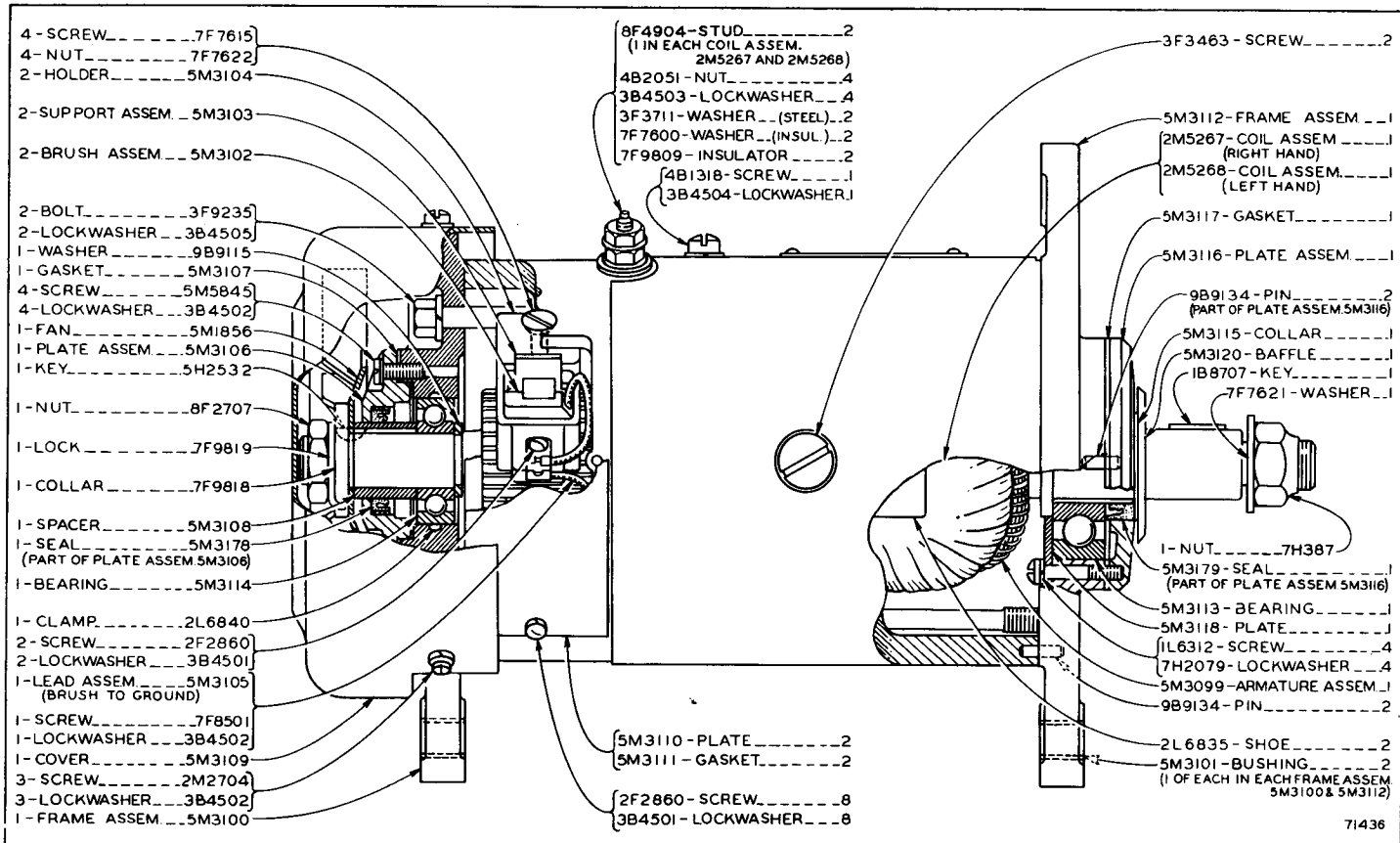
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



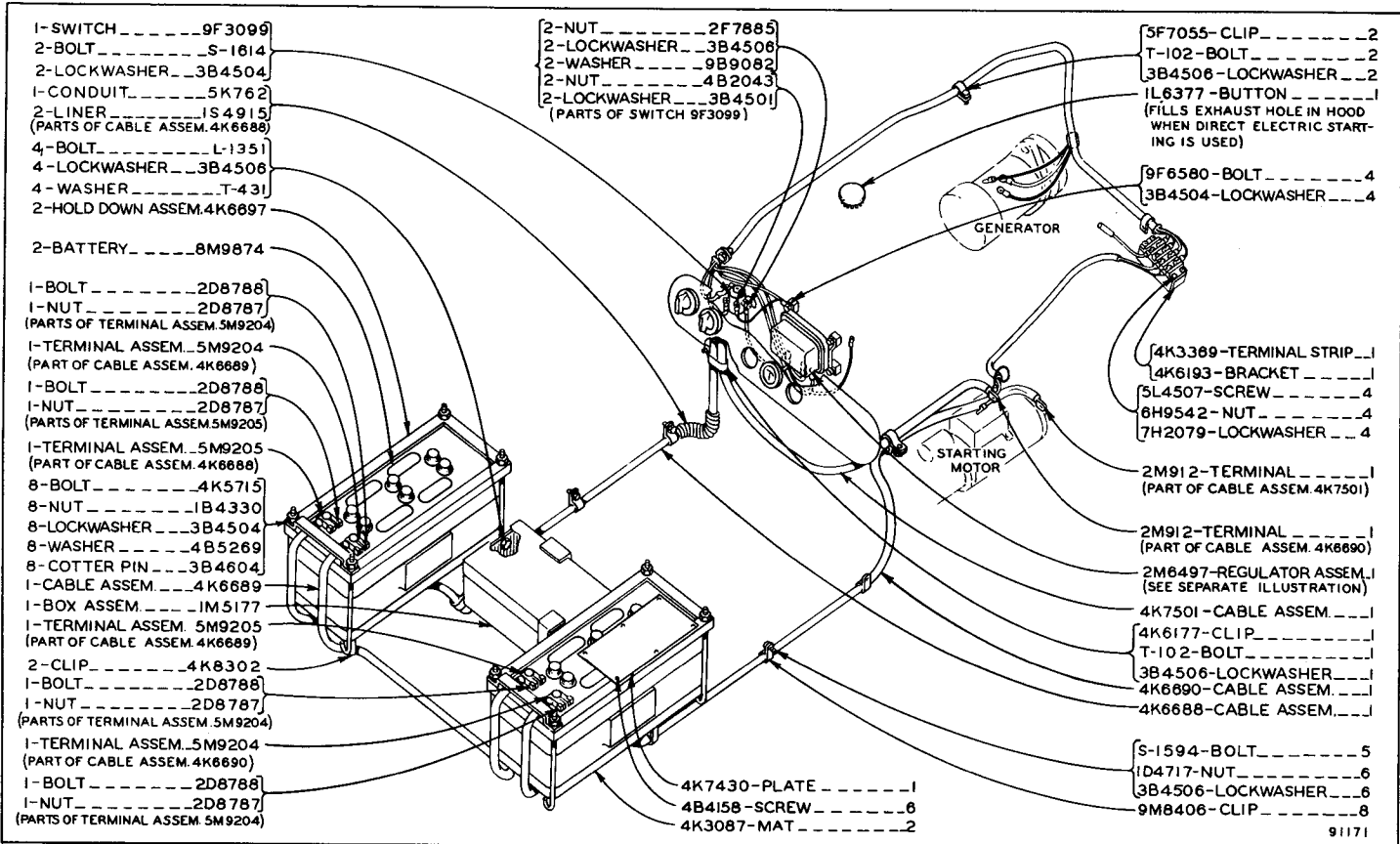
2M5459 GENERATOR GROUP—24 Volt, 15 Ampere—Second Type
 Part of 9M6561 Direct Electric Starting Arrangement listed on Page 107
 ISI51 Generator Assembly parts are shown on reverse side of this insert

IS151 GENERATOR ASSEMBLY—24 Volt, 15 Ampere
Part of ZM5459 Generator Group shown on front side of this insert

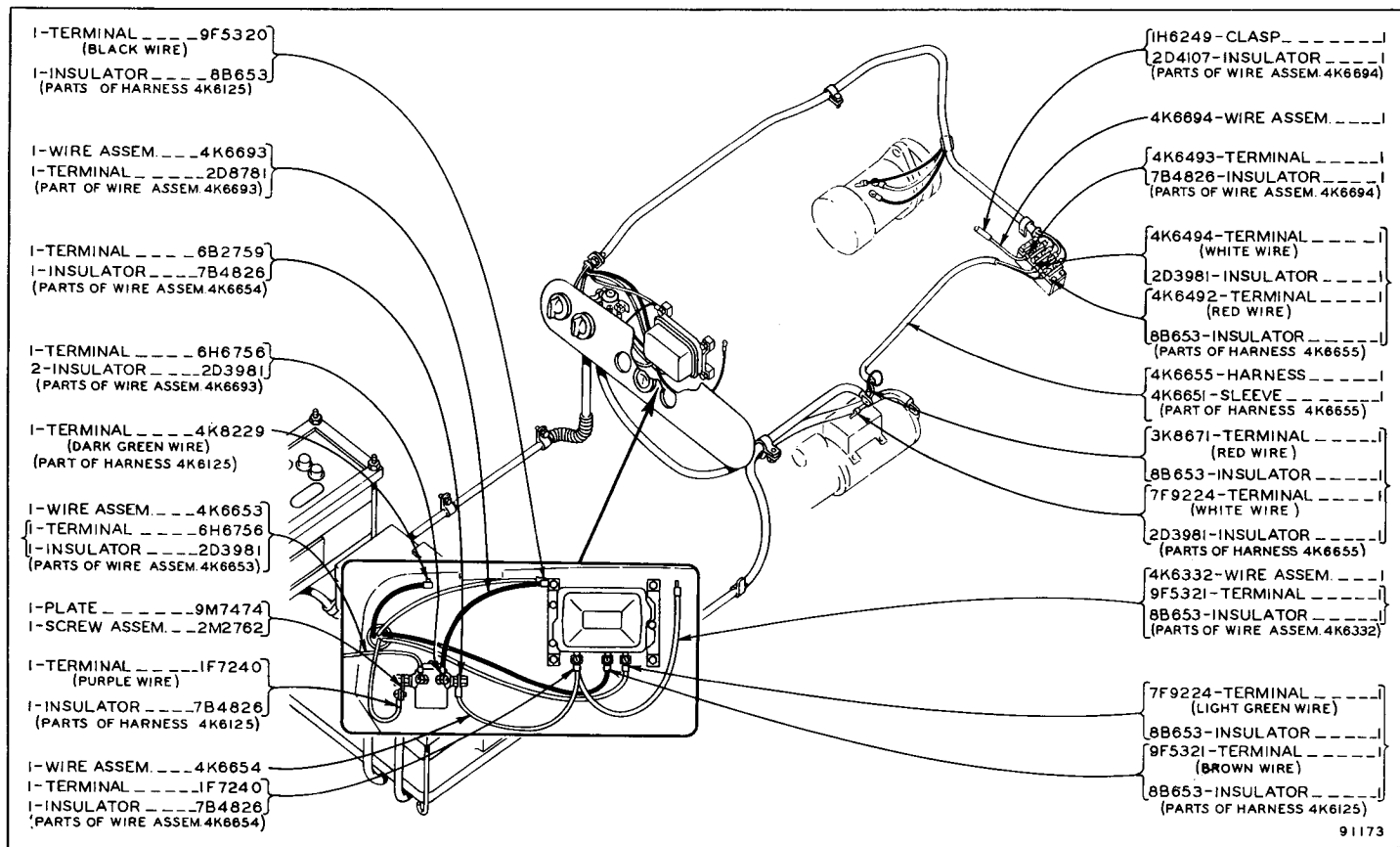




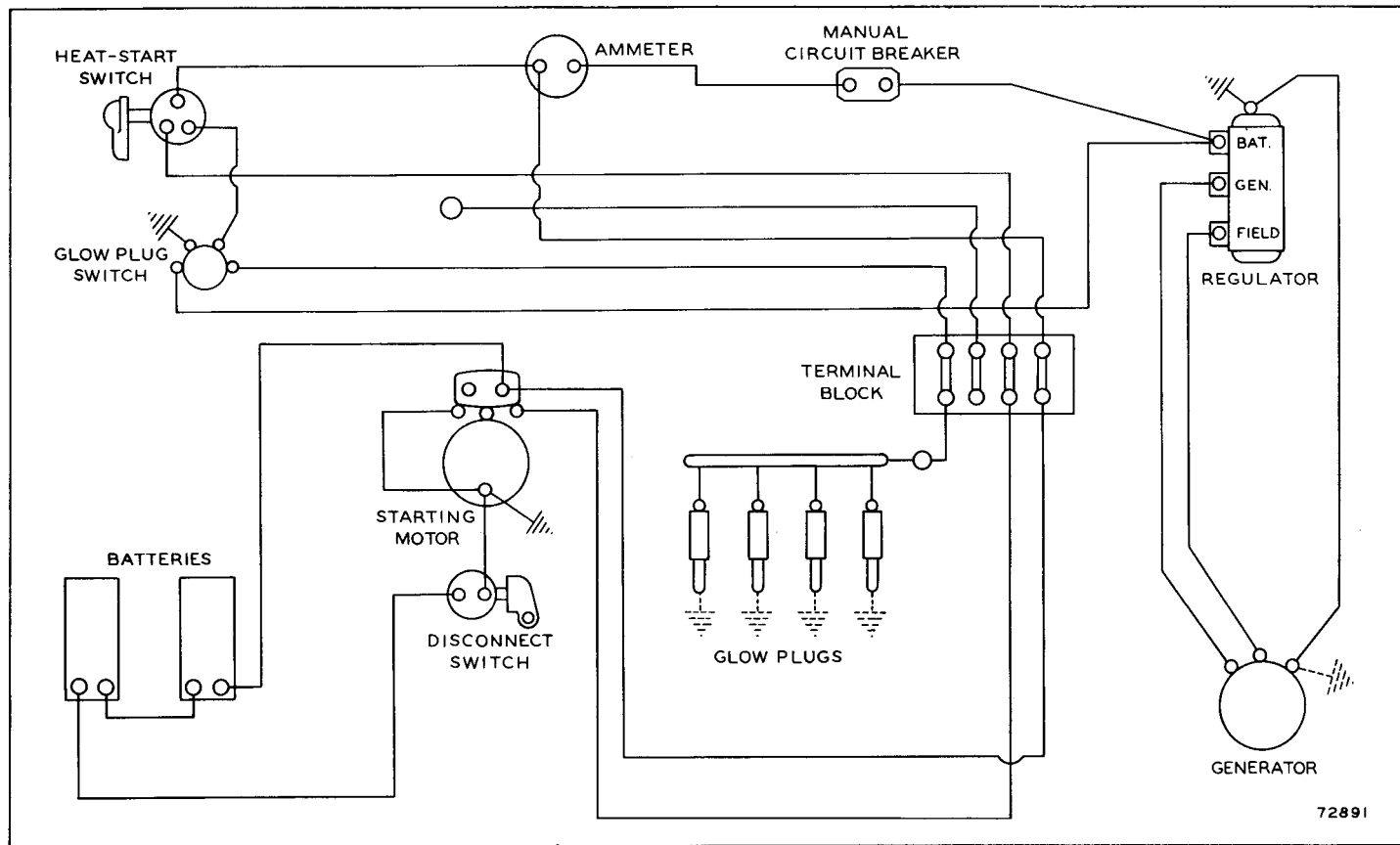
2M6496 GENERATOR ASSEMBLY—24 Volt, 15 Ampere
 Part of 2M5459 Generator Group



4K6573 BATTERY AND WIRING GROUP—24 Volt—Part One
 Part of 9M8376 and 9M8378 Direct Electric Starting Arrangements listed on Page 106
 2M6497 Regulator Assembly parts are shown on Page 118
 ADDITIONAL PARTS ARE LISTED ON PAGE 119

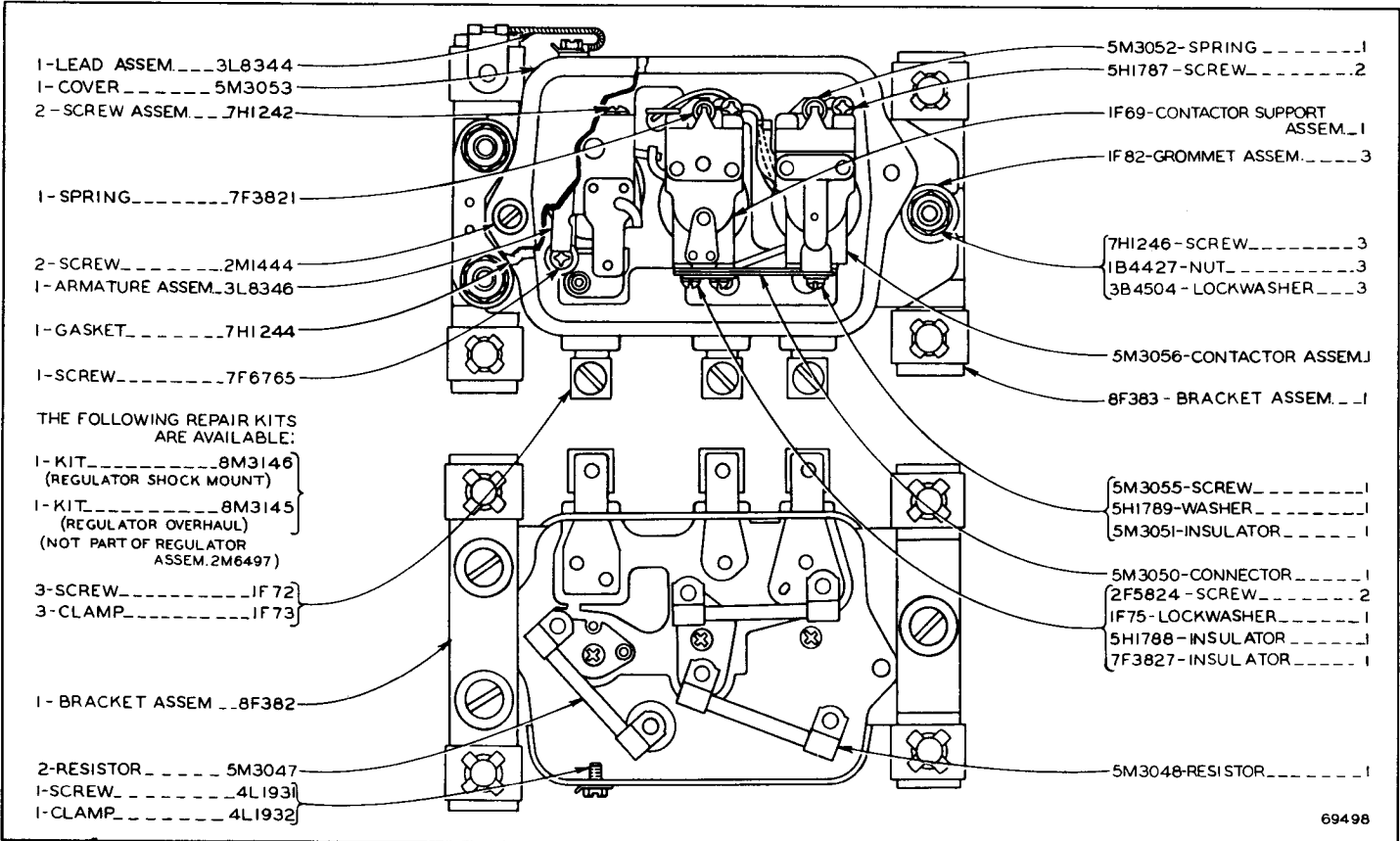


4K6573 BATTERY AND WIRING GROUP—24 Volt—Part Three
 Part of 9M8376 and 9M8378 Direct Electric Starting Arrangements listed on Page 106
 ADDITIONAL PARTS ARE SHOWN ON PAGES 114 AND 115. See Page 117 for Wiring Diagram



WIRING DIAGRAM—24 Volt

72891



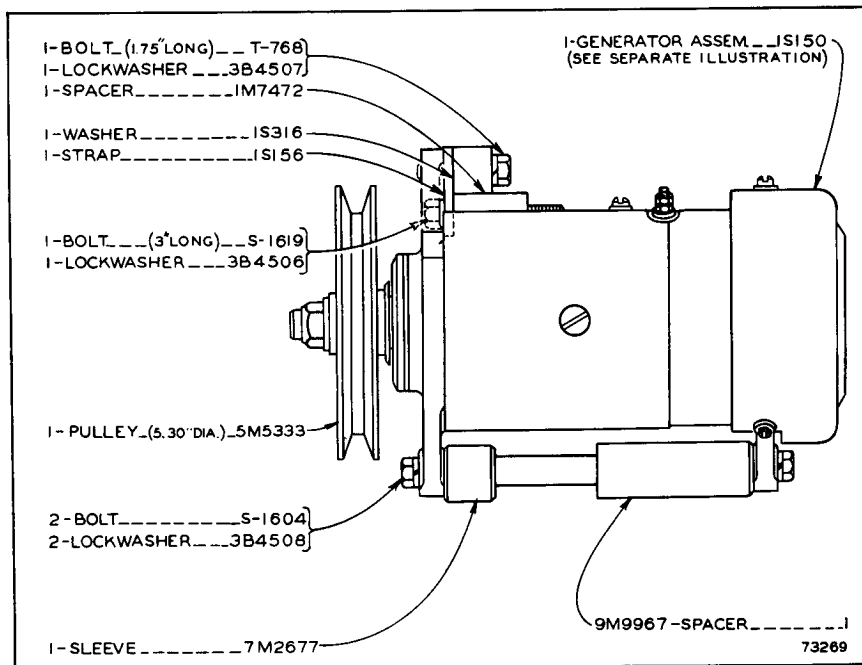
2M6497 REGULATOR ASSEMBLY—24 Volt, 15 Ampere
Part of 4K6573 Battery and Wiring Group shown on Page 114

5K3544	Lighting Group—12 Volt, 2 Lamp, with Battery	
	Consists of:	Page
1	4K8924 Lighting Group	119
1	5K1721 Electrical Group	
	Consisting of:	
	1 5F7055 Clip	
	4 5K1224 Harness	
5K3543	Lighting Group—12 Volt, 4 Lamp, with Battery	
	Consists of:	
1	4K8923 Lighting Group	119
1	5K1721 Electrical Group	
	Consisting of:	
	1 5F7055 Clip	
	4 5K1224 Harness	
5K3542	Lighting Group—12 Volt, 4 Lamp, without Battery	
	Consists of:	
1	4K8907 Lighting Group	119
1	5K1721 Electrical Group	
	Consisting of:	
	1 5F7055 Clip	
	4 5K1224 Harness	

LIGHTING GROUPS—12 Volt
For use with Normalized Engine

4K8924	Lighting Group—12 Volt, 2 Lamp, with Battery	
	Consists of:	Page
|	4K6350 Electrical Group	120
|	4K8885 Lighting Group	122
|	4K8927 Battery Group	121
|	4K8940 Generator Group	119
4K8923	Lighting Group—12 Volt, 4 Lamp, with Battery	
	Consists of:	
|	4K6350 Electrical Group	120
|	4K8891 Lighting Group	124
|	4K8927 Battery Group	121
|	4K8940 Generator Group	119
4K8907	Lighting Group—12 Volt, 4 Lamp, without Battery	
	Consists of:	
|	4K6350 Electrical Group	120
|	4K8891 Lighting Group	124
|	4K8940 Generator Group	119
|	3B4506 Lockwasher— $\frac{3}{8}$ "	
|	1H2152 Tag	
|	3H2900 Grommet	
|	T-102 Bolt	

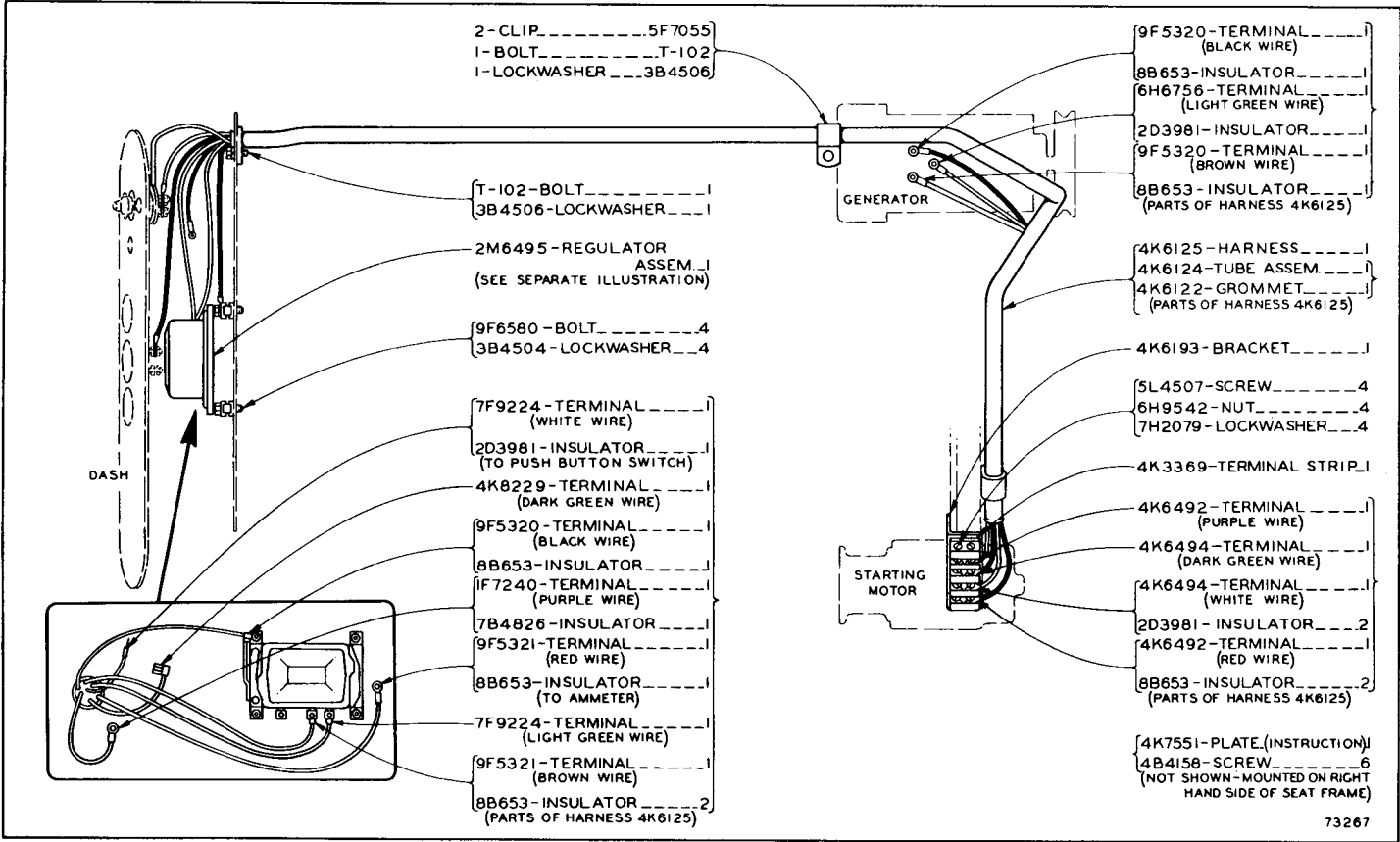
LIGHTING GROUPS—12 Volt
For use with Off-Track Starting



4K8940 GENERATOR GROUP—12 Volt, 24 Ampere
Part of 4K8924, 4K8923 and 4K8907 Lighting Groups
JS150 Generator Assembly parts are shown on Page 101
Only separate parts serviced

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

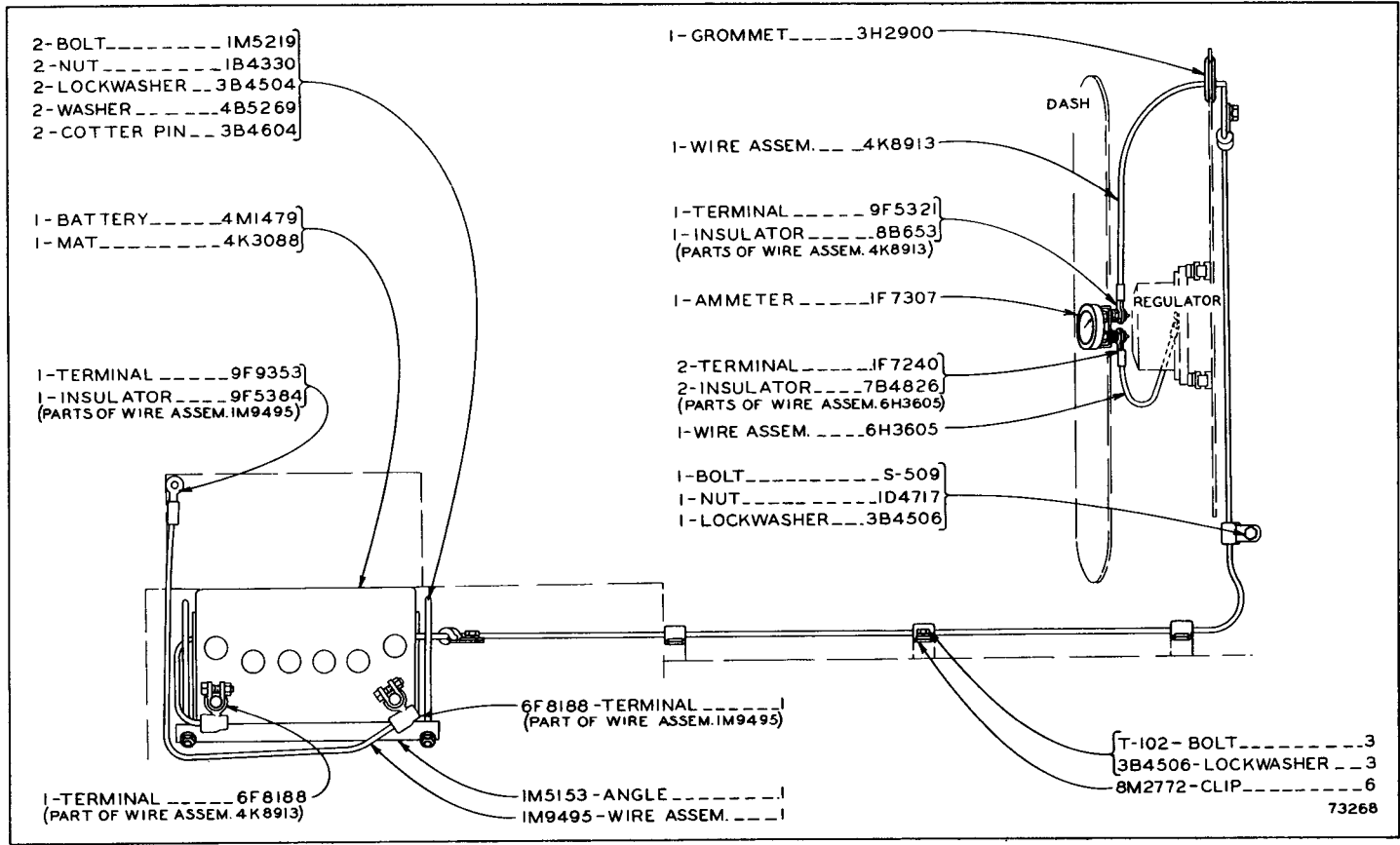


120

CATERPILLAR D4 TRACTOR

73267

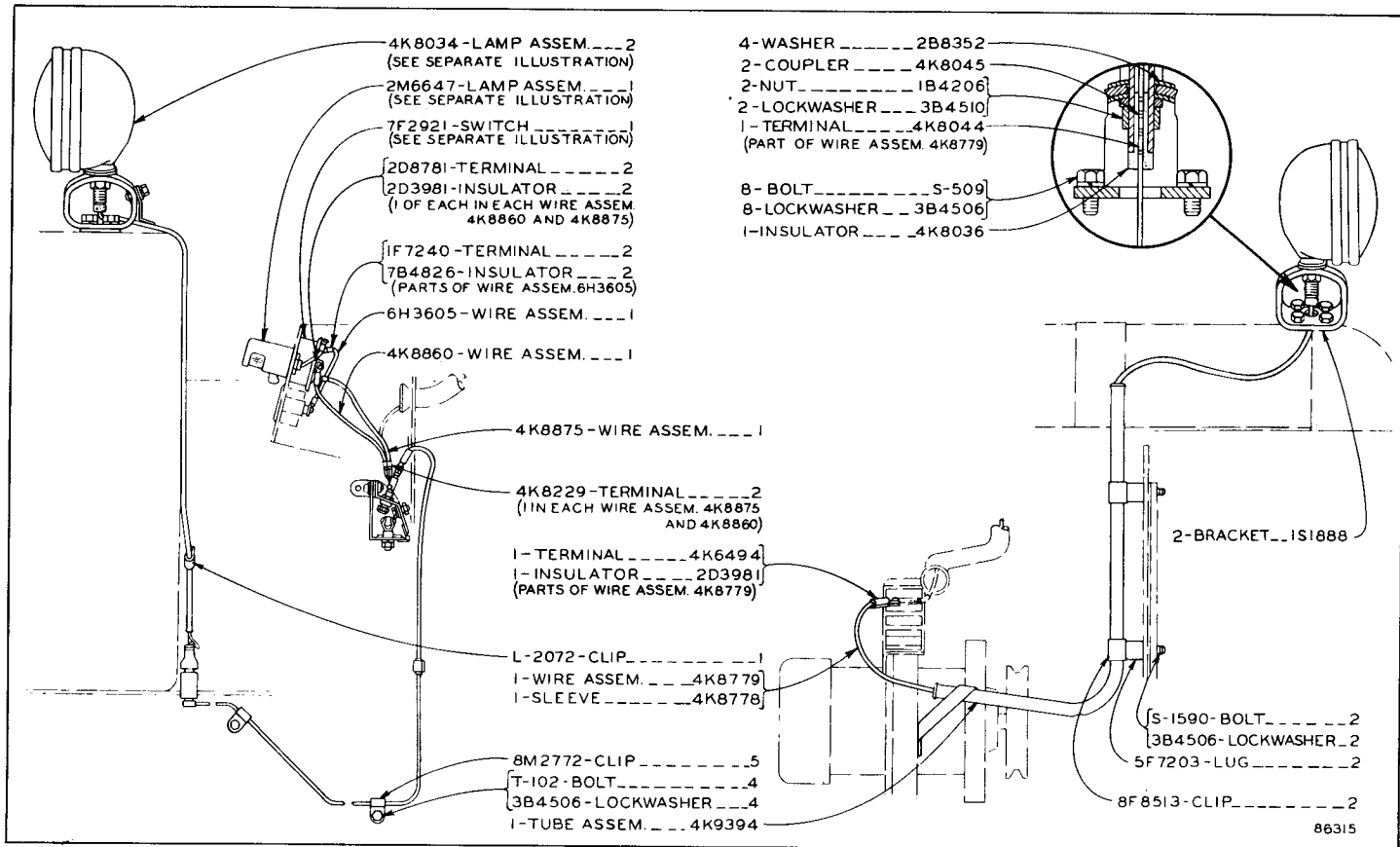
4K6350 ELECTRICAL GROUP
 Part of 4K8924, 4K8923 and 4K8907 Lighting Groups listed on Page 119
 2M6495 Regulator Assembly parts are shown on Page 105
 Only separate parts shown



4K8927 BATTERY GROUP

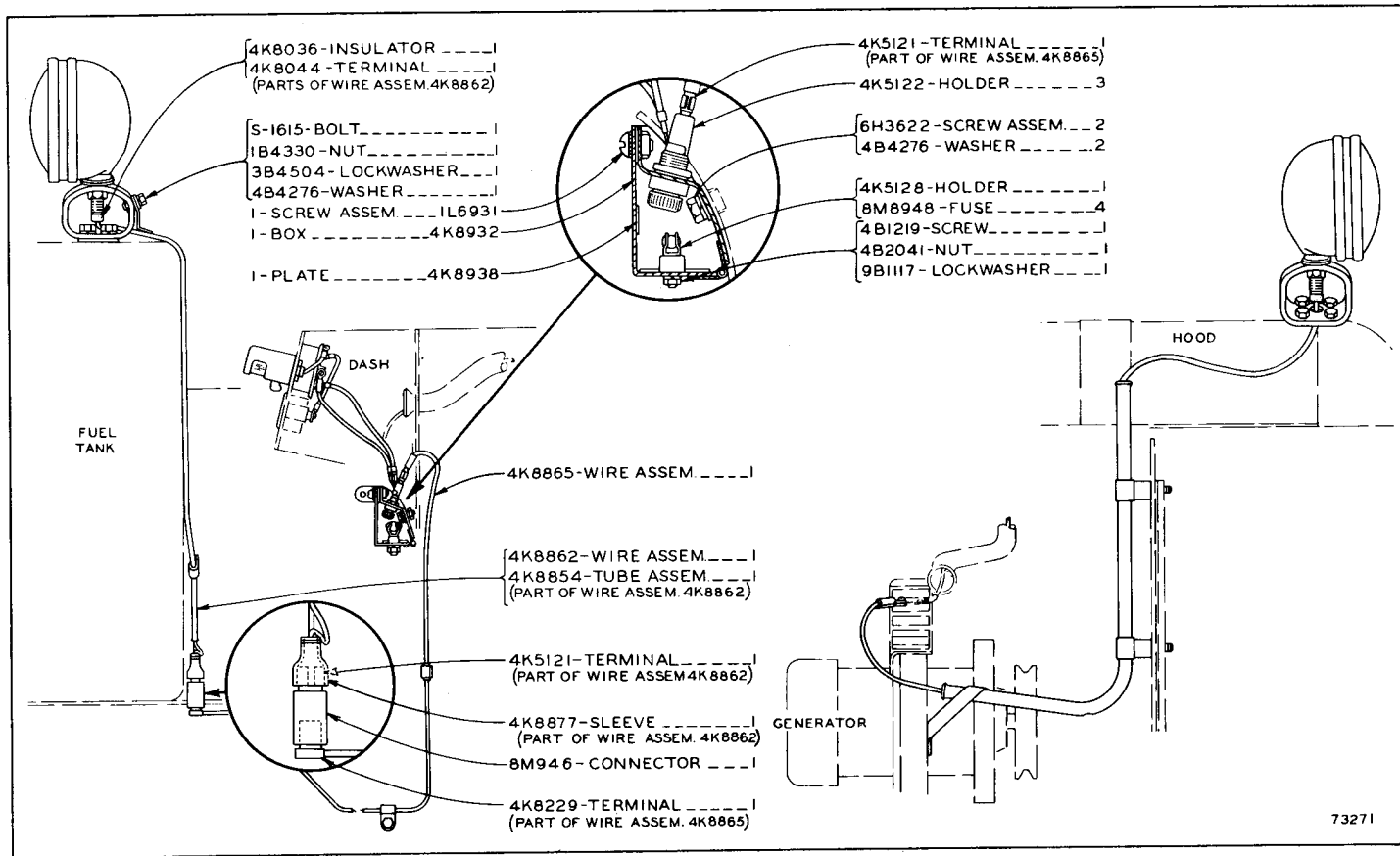
Part of 4K8924 and 4K8923 Lighting Groups listed on Page 119

Only separate parts serviced

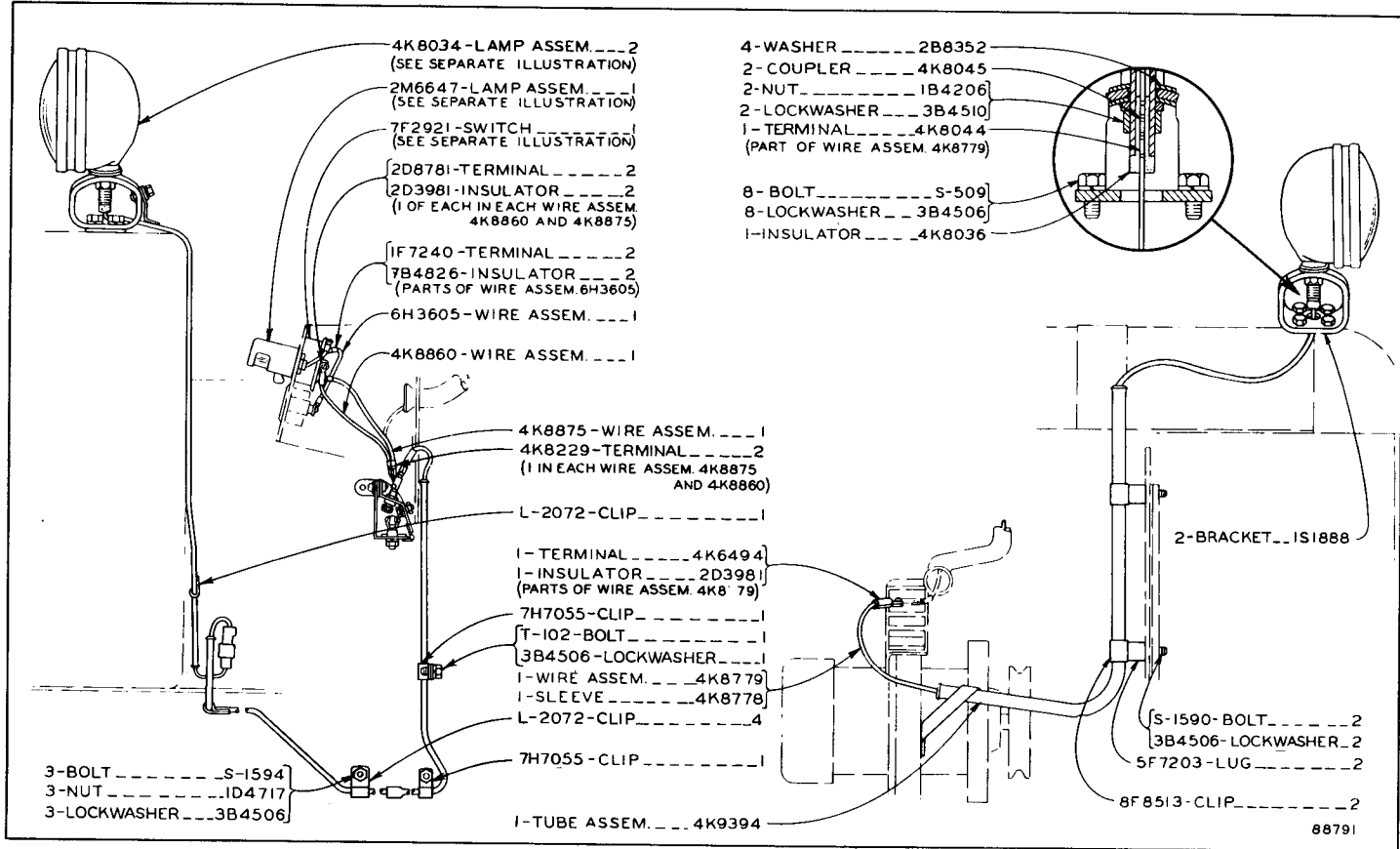


4K8885 LIGHTING GROUP—12 Volt, 2 Lamp—Part One

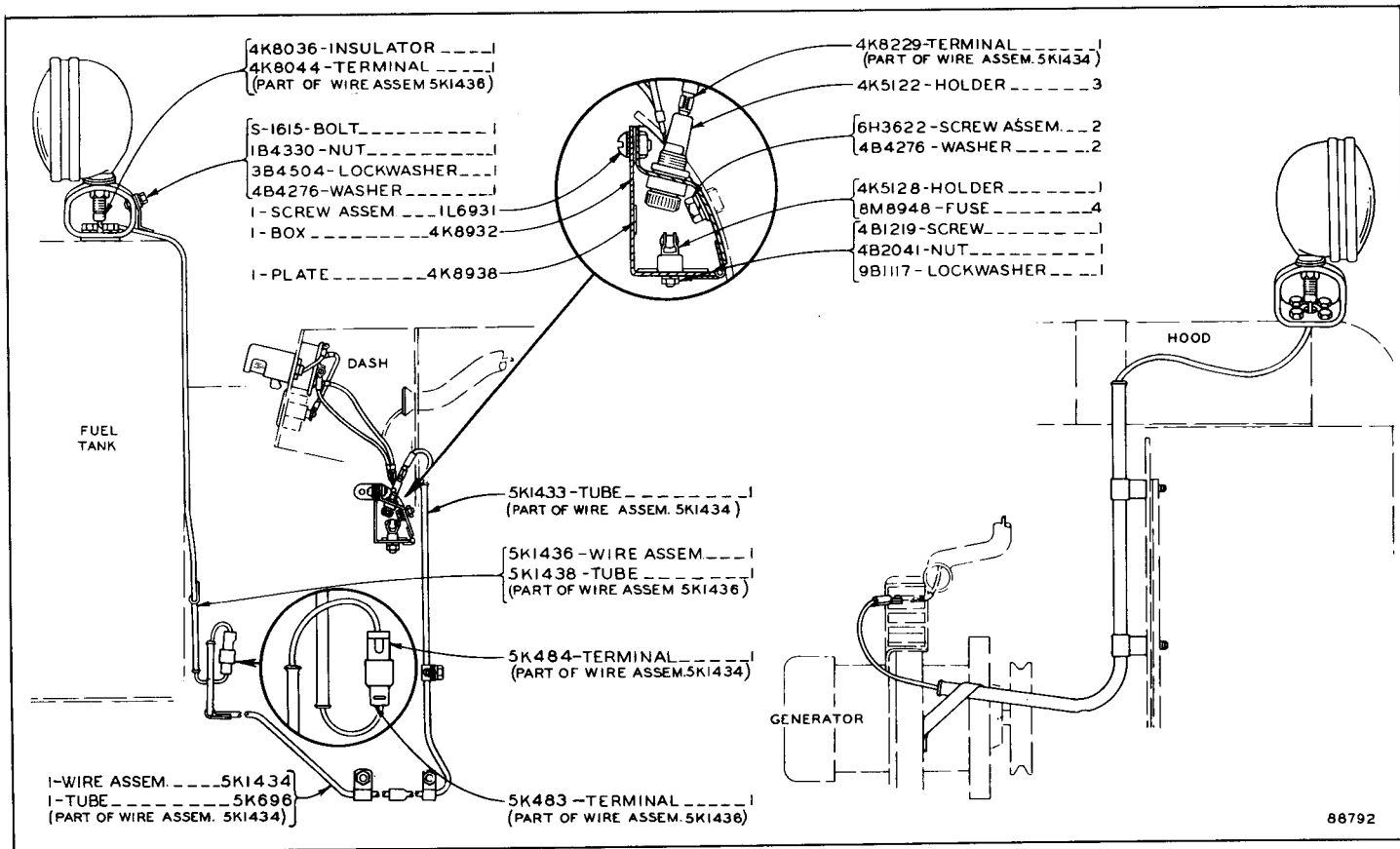
For use with 12 Volt Electric Starting System
Also part of 4K8924 Lighting Group listed on Page 119



4K8885 LIGHTING GROUP—12 Volt, 2 Lamp—Part Two
 For use with 12 Volt Electric Starting System
 Also part of 4K8924 Lighting Group listed on Page 119



5K1443 LIGHTING GROUP—12 Volt, 2 Lamp—Part One
 FOR USE WITH 12 VOLT ELECTRIC STARTING SYSTEM. Also part of 4K8924 Lighting Group listed on Page 119. 2M6647, 4K8034 Lamp Assembly and 7F2921 Switch parts are shown on Page 130, 122, and 131.



4K8036-INSULATOR -----|
 4K8044-TERMINAL -----|
 (PART OF WIRE ASSEM 5K1438)

S-1615-BOLT -----|
 1B4330-NUT -----|
 3B4504-LOCKWASHER -----|
 4B4276-WASHER -----|
 1-SCREW ASSEM -----1L6931
 1-BOX -----4K8932

1-PLATE -----4K8938

4K8229-TERMINAL -----|
 (PART OF WIRE ASSEM.5K1434)

4K5122-HOLDER -----3

6H3622-SCREW ASSEM. ... 2
 4B4276-WASHER -----2

4K5128-HOLDER -----|
 8M8948-FUSE -----4

4B1219-SCREW -----|

4B2041-NUT -----|

9B1117-LOCKWASHER -----|

FUEL TANK

DASH

HOOD

GENERATOR

5K1433-TUBE -----|
 (PART OF WIRE ASSEM. 5K1434)

5K1436-WIRE ASSEM. -----|
 5K1438-TUBE -----|
 (PART OF WIRE ASSEM 5K1436)

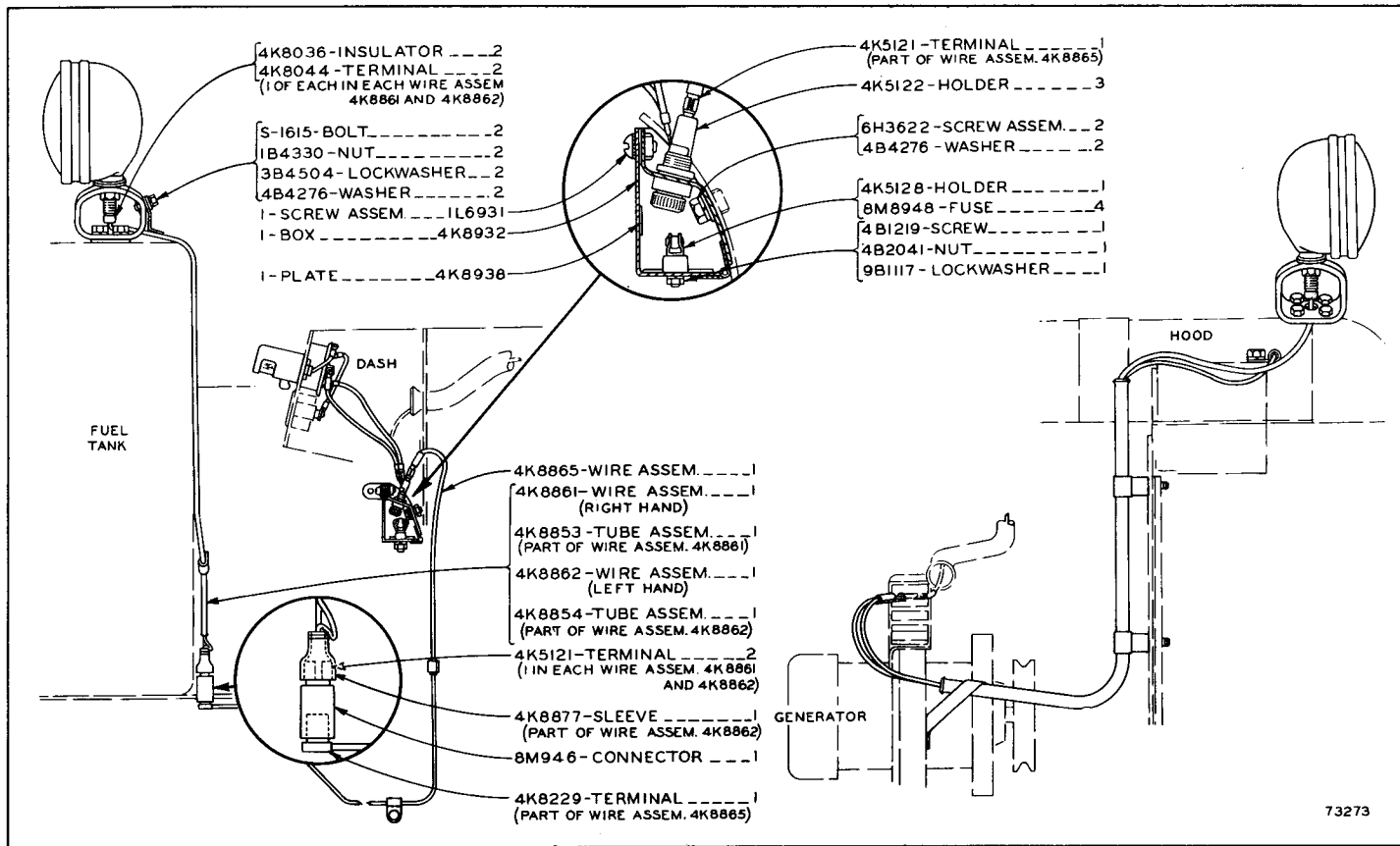
5K484-TERMINAL -----|
 (PART OF WIRE ASSEM.5K1434)

1-WIRE ASSEM. -----5K1434
 1-TUBE -----5K696
 (PART OF WIRE ASSEM. 5K1434)

5K483-TERMINAL -----|
 (PART OF WIRE ASSEM.5K1438)

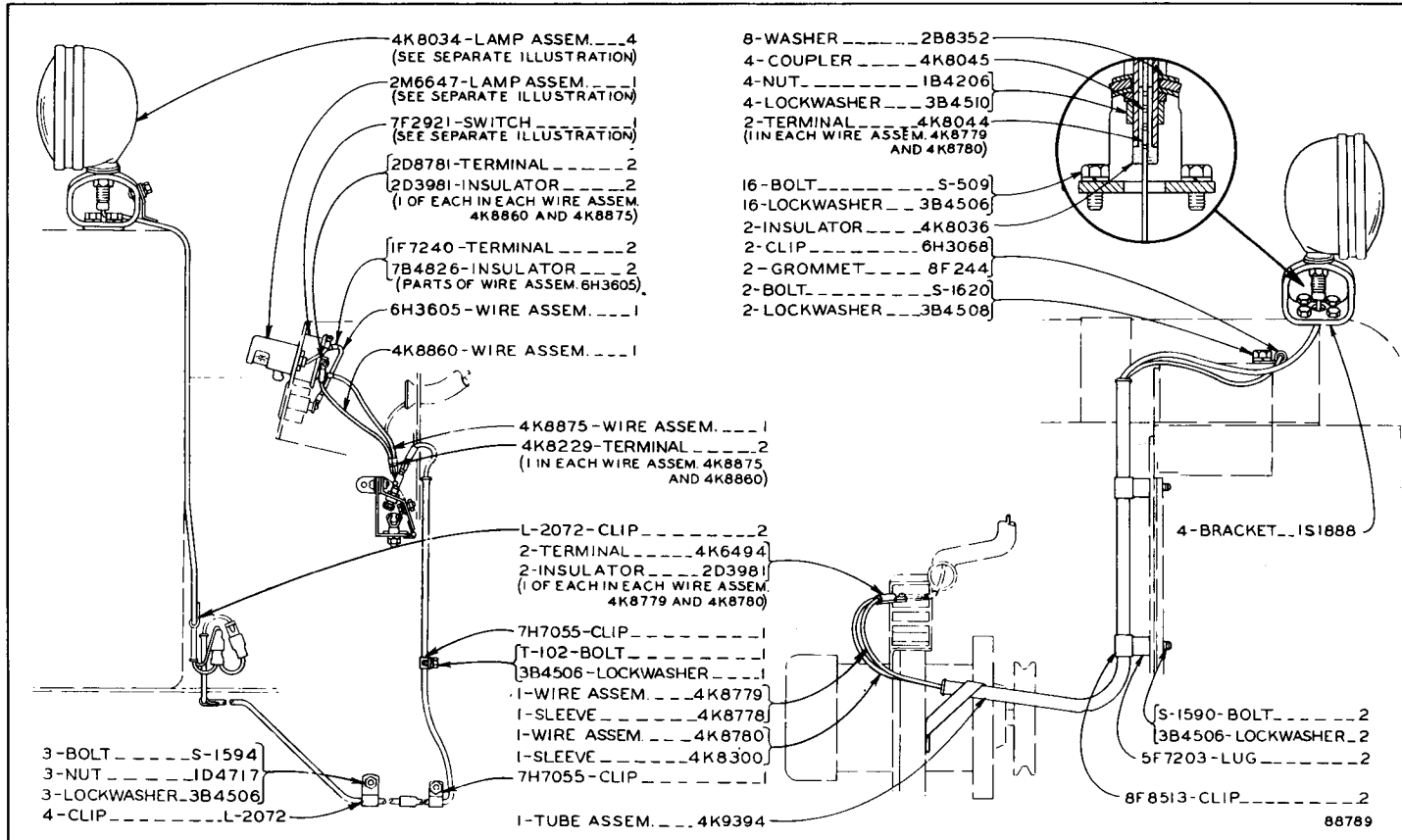
88792

5K1443 LIGHTING GROUP—12 Volt, 2 Lamps—Part Two
FOR USE WITH 12 VOLT ELECTRIC STARTING SYSTEM
 Also part of 4K8924 Lighting Group listed on Page 119

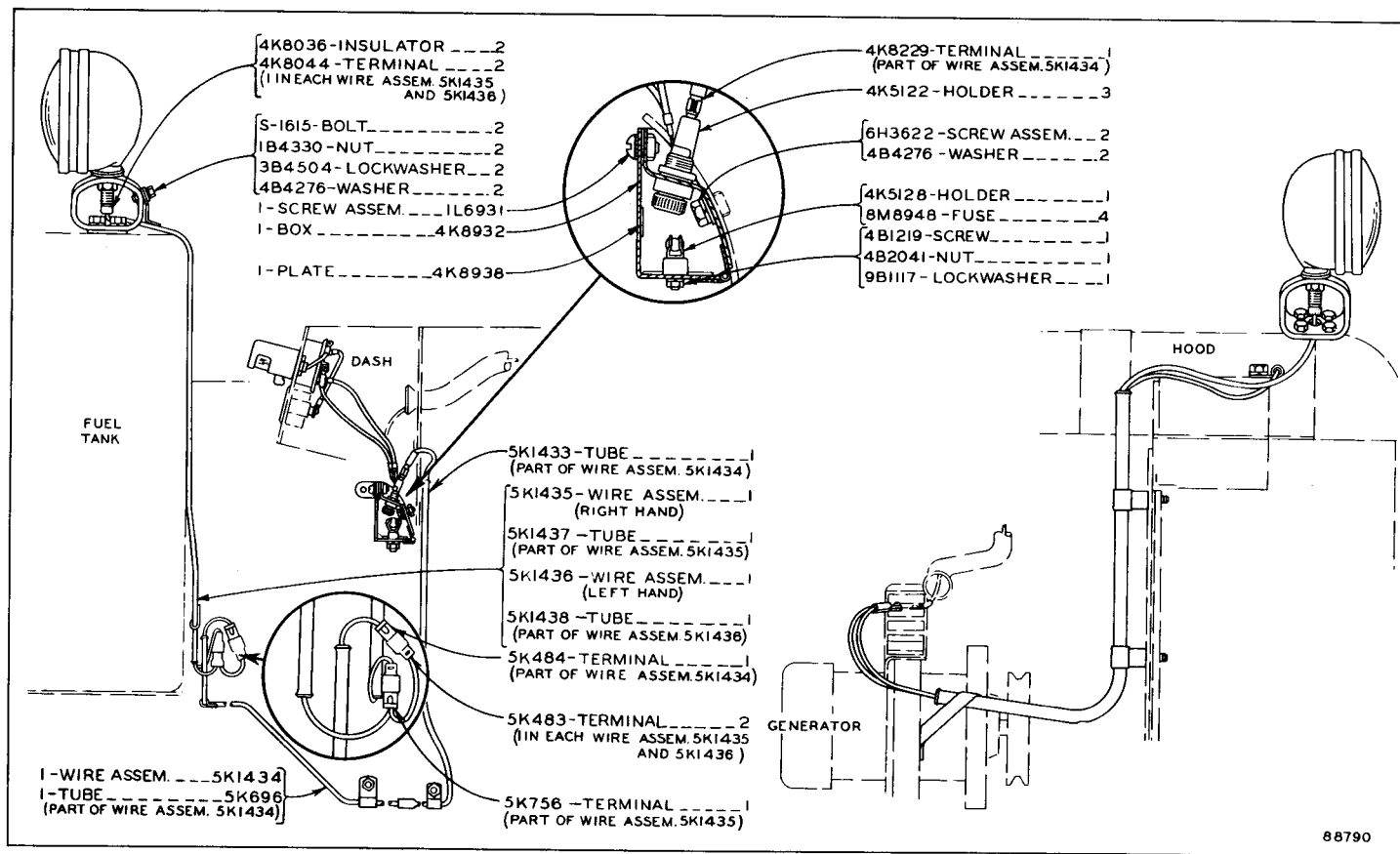


4K8891 LIGHTING GROUP—12 Volt, 4 Lamp—Part Two
 For use with 12 Volt Electric Starting System
 Also part of 4K8923 and 4K8907 Lighting Groups listed on Page 119

73273

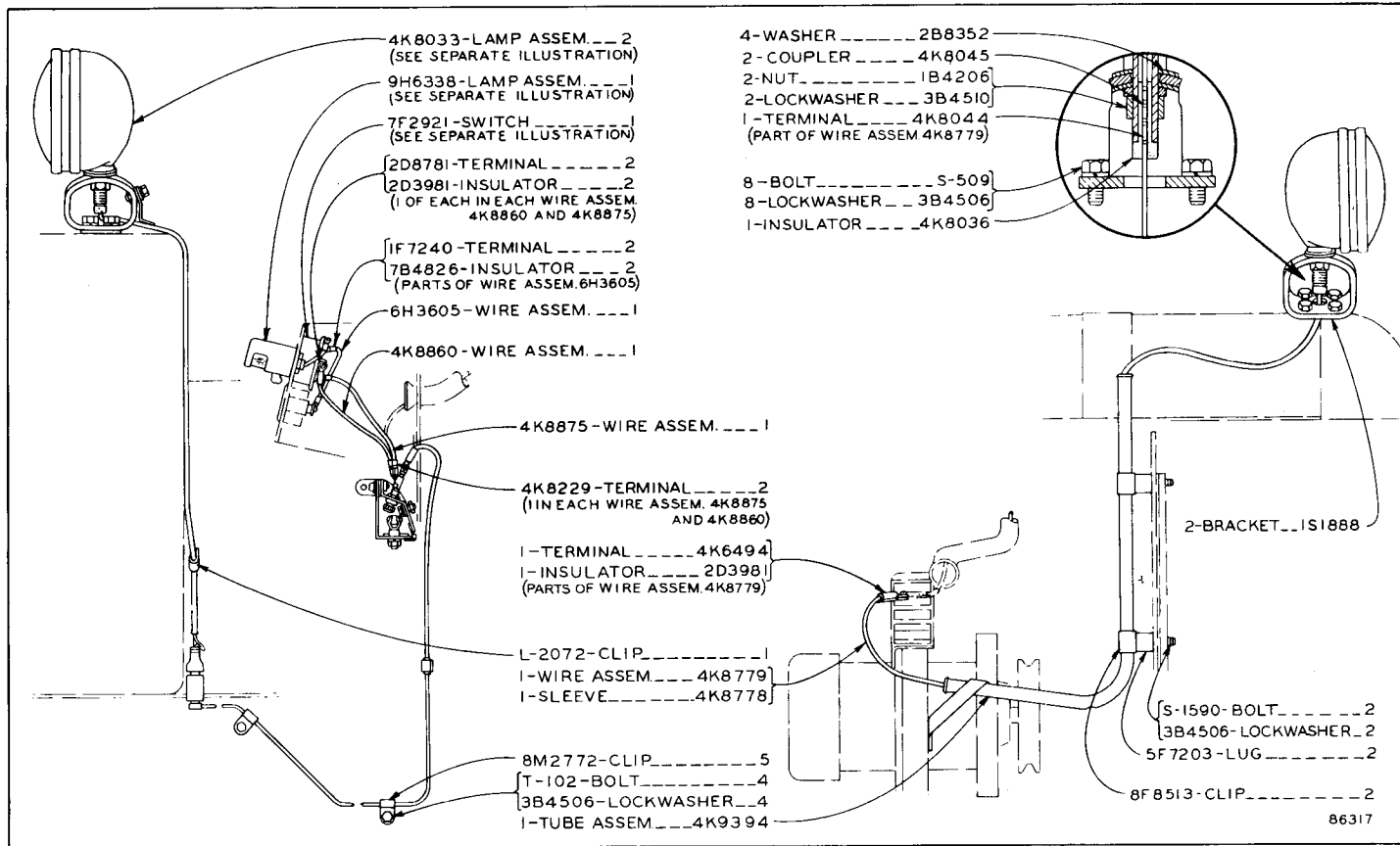


5K1444 LIGHTING GROUP—12 Volt, 4 Lamp—Part One
FOR USE WITH 12 VOLT ELECTRIC STARTING SYSTEM. Also part of 4K8923 and 4K8907 Lighting Groups listed on Page 119. 2M6647, 4K8034 Lamp Assembly and 7F2921 Switch parts are shown on Pages 130, 130A and 131.



88790

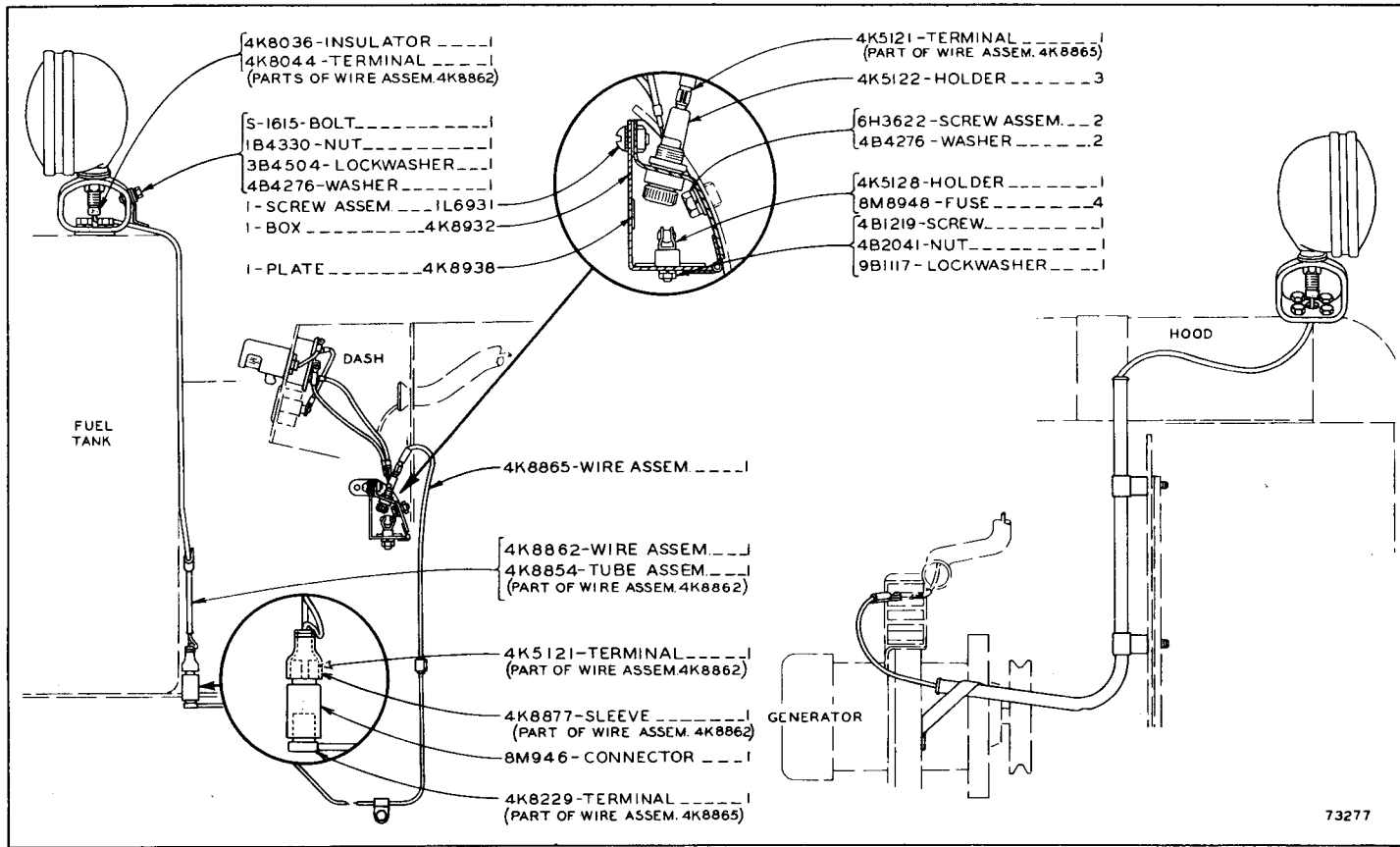
5K1444 LIGHTING GROUP—12 Volt, 4 Lamp—Part Two
FOR USE WITH 12 VOLT ELECTRIC STARTING SYSTEM
 Also part of 4K8923 and 4K8907 Lighting System Groups listed on Page 119



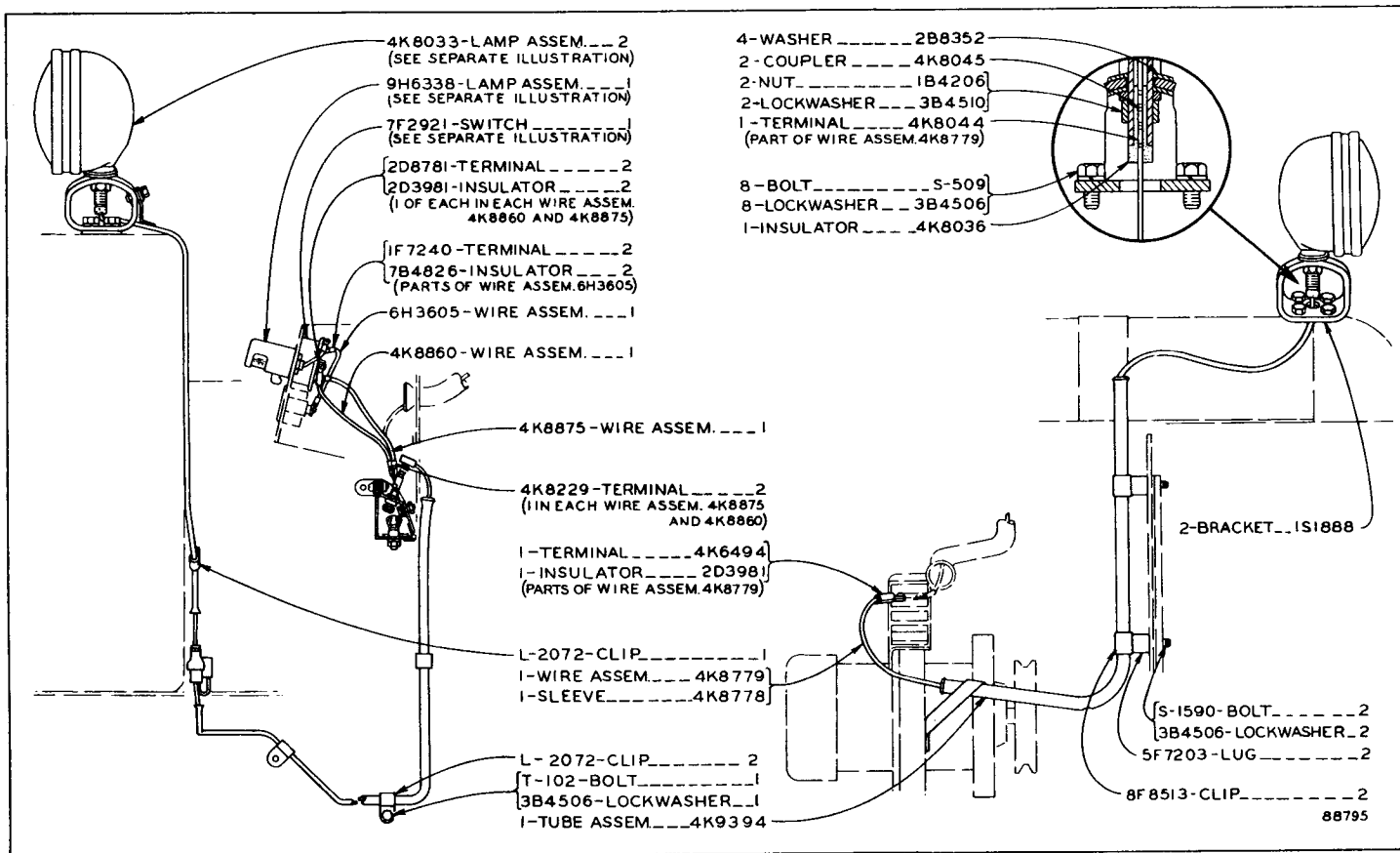
4K8886 LIGHTING GROUP—24 Volt, 2 Lamp—Part One

For use with 24 Volt Direct Electric Starting System

9H6338 Dash Lamp Assembly, 4K8033 Flood Lamp Assembly and 7F2921 Switch parts are shown on Pages 130, 130A and 131



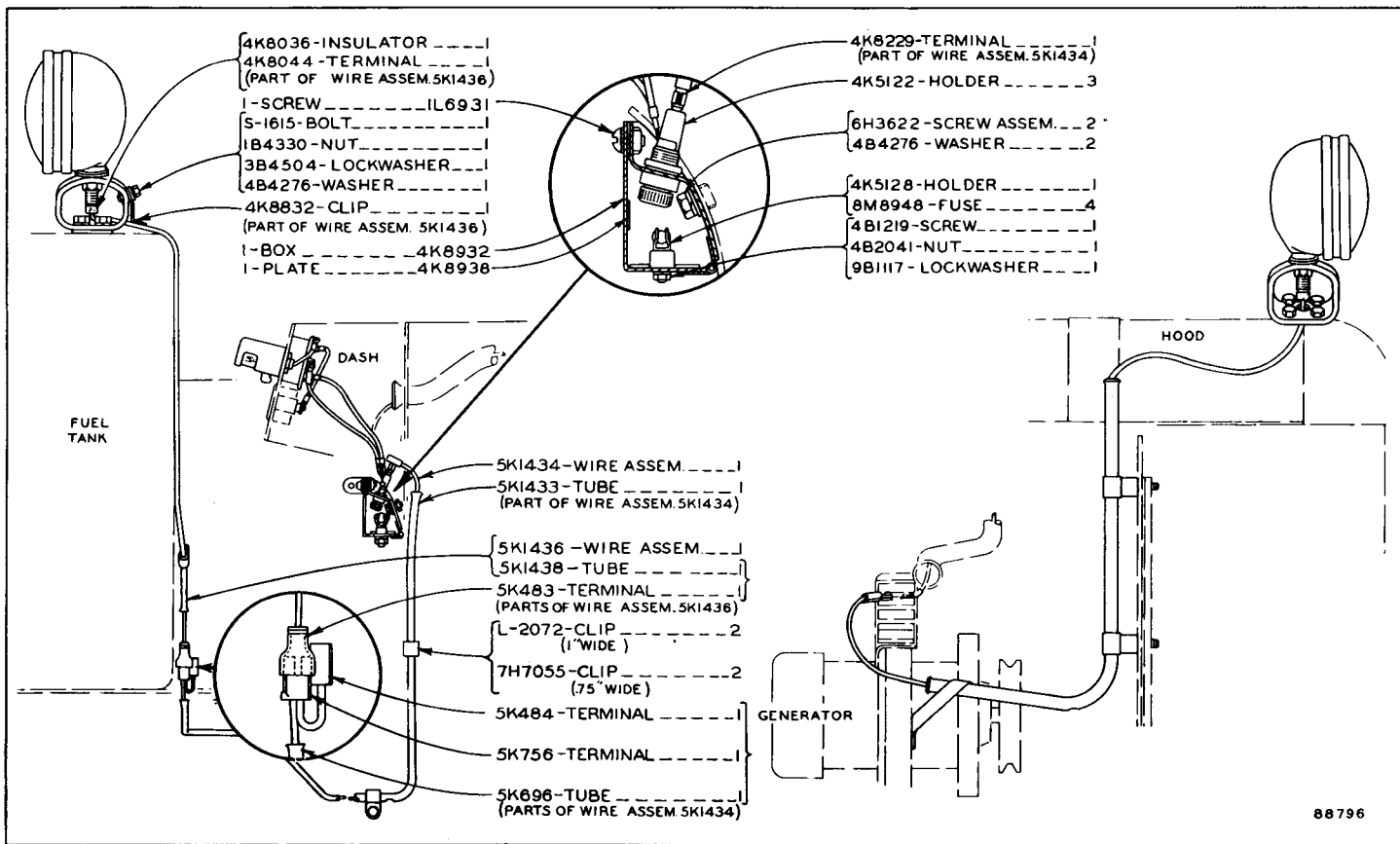
4K8886 LIGHTING GROUP—24 Volt, 2 Lamp—Part Two
 For use with 24 Volt Direct Electric Starting System



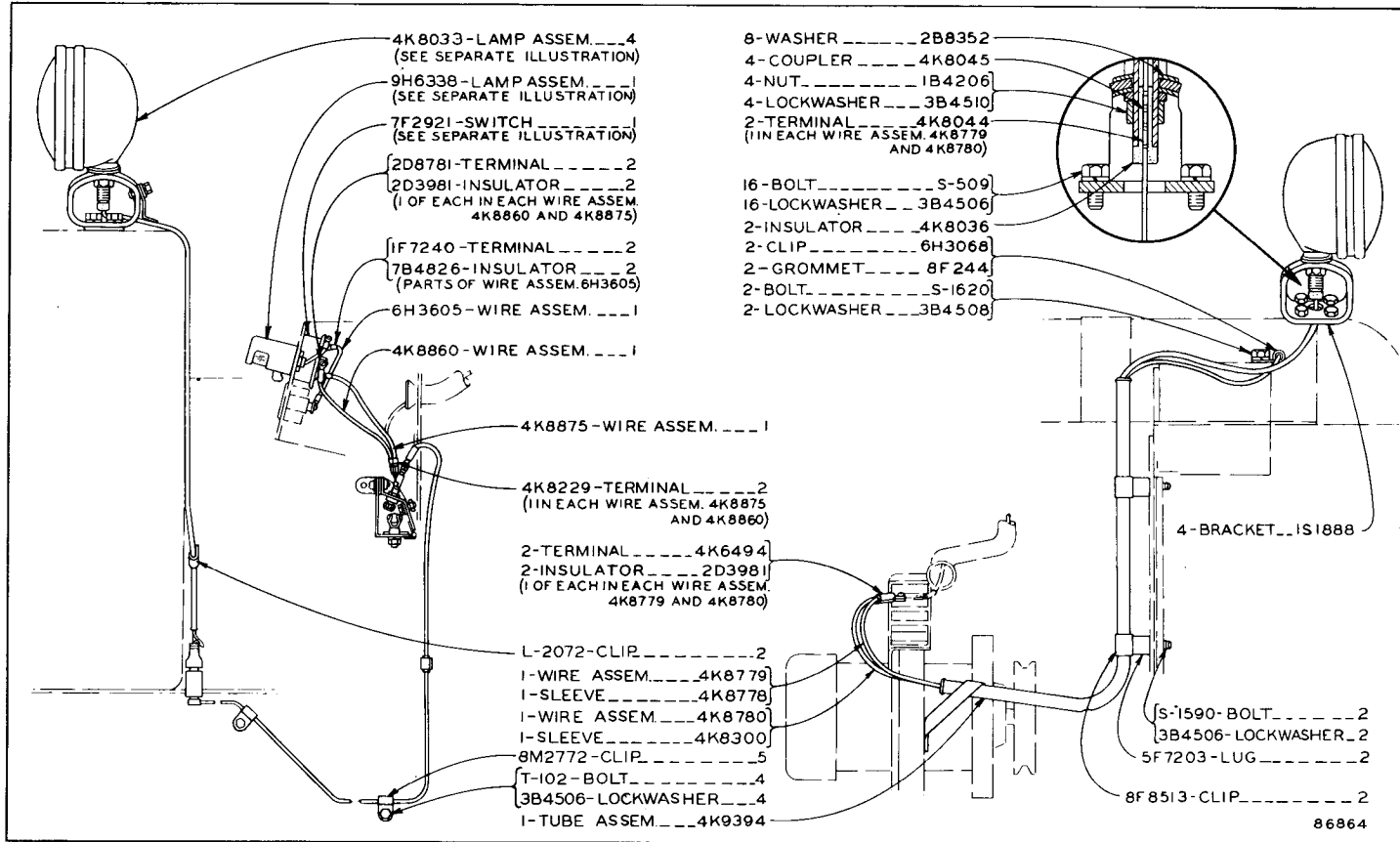
5K1445 LIGHTING GROUP—24 Volt, 2 Lamp—Part One—Replaces 4K8886

For use with 24 Volt Direct Electric Starting System

9H6338, 4K8033 Lamp Assembly and 7F2921 Switch parts are shown on Pages 130, 130A and 131



88796

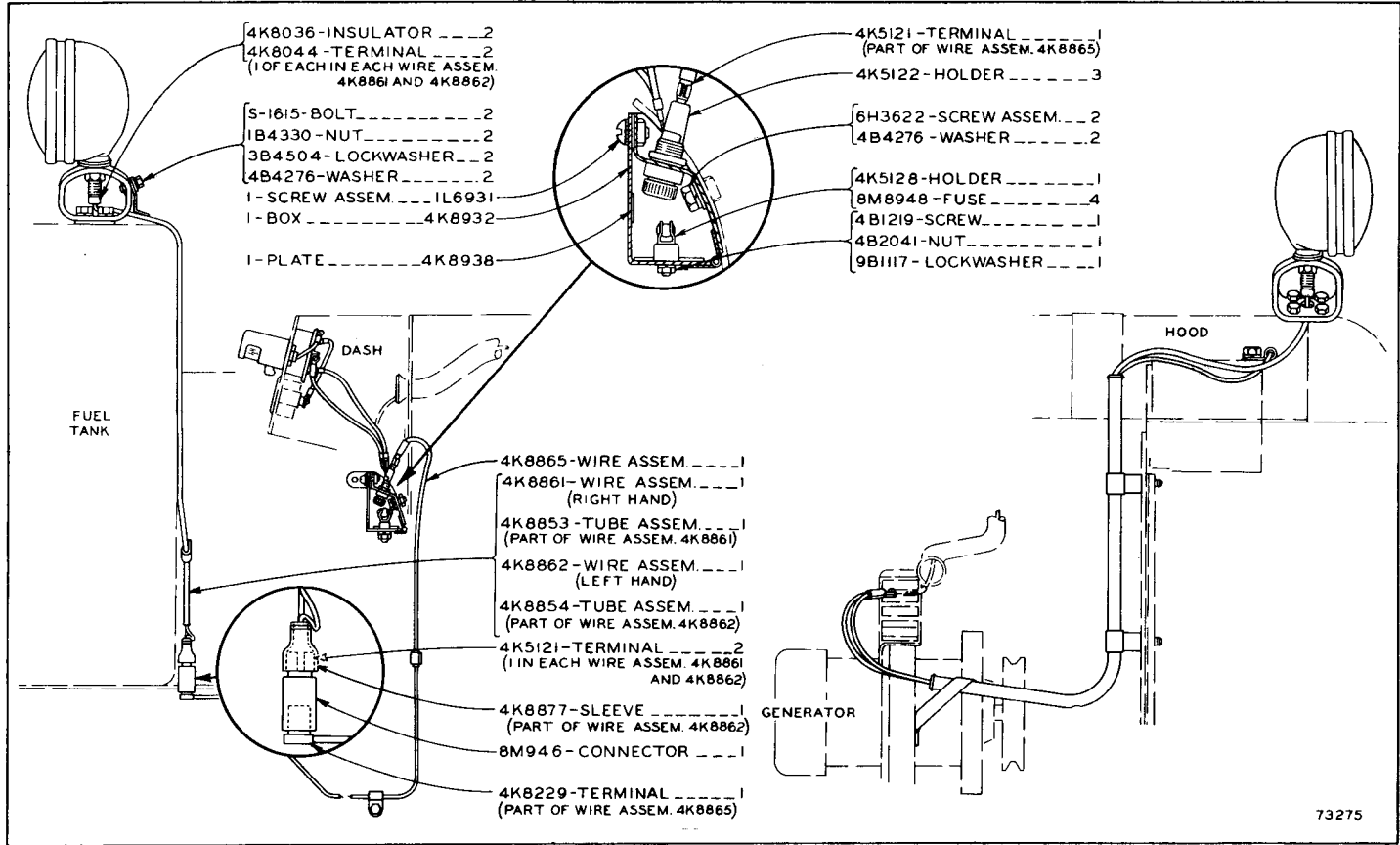


4K8892 LIGHTING GROUP—24 Volt, 4 Lamp—Part One

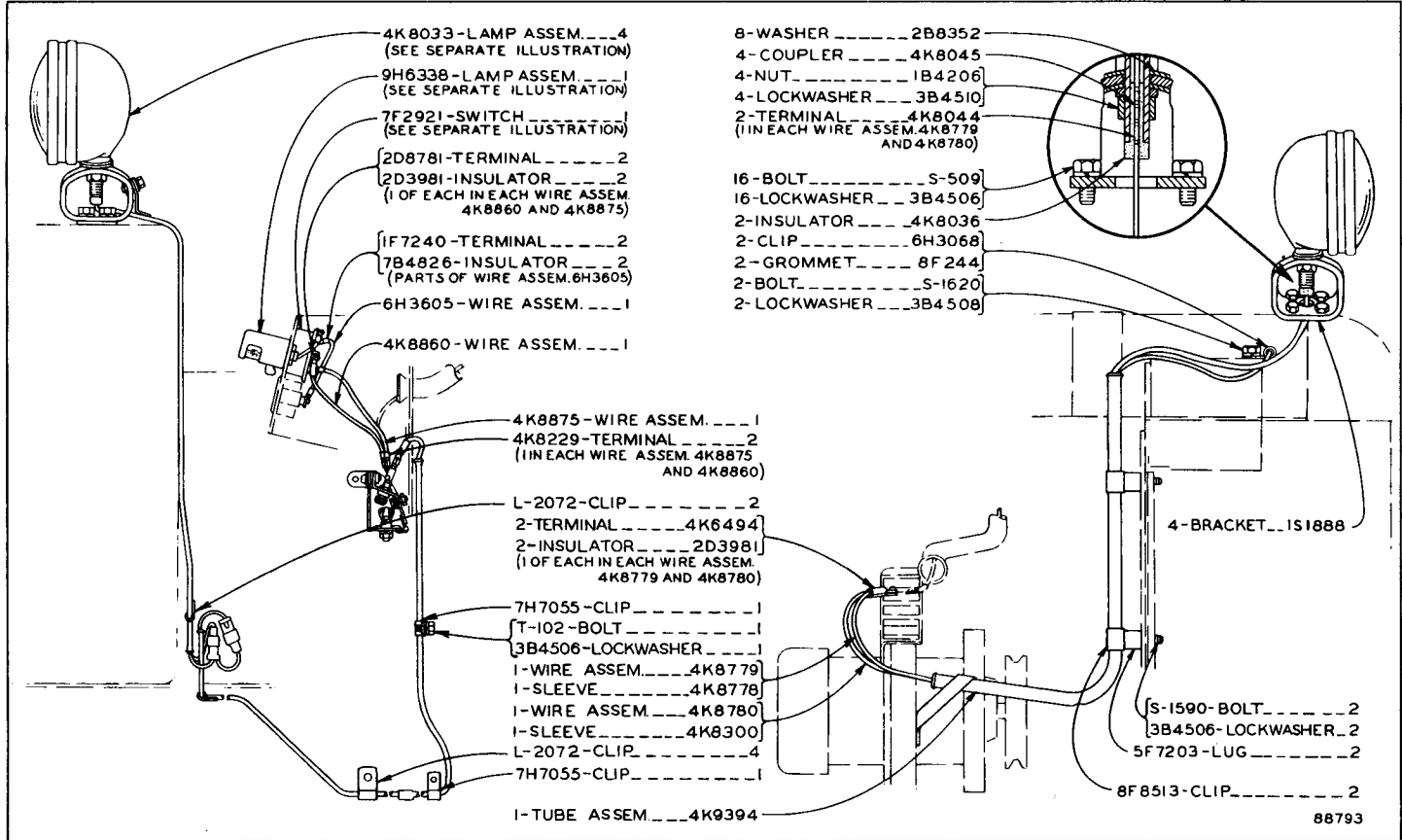
For use with 24 Volt Direct Electric Starting System

9H6338 Dash Lamp Assembly, 4K8033 Flood Lamp Assembly and 7F2921 Switch parts are shown on Pages 130, 130A and 131

86864



4K8892 LIGHTING GROUP—24 Volt, 4 Lamp—Part Two
 For use with 24 Volt Direct Electric Starting System



4K8033-LAMP ASSEM.---4
(SEE SEPARATE ILLUSTRATION)

9H6338-LAMP ASSEM.---1
(SEE SEPARATE ILLUSTRATION)

7F2921-SWITCH---1
(SEE SEPARATE ILLUSTRATION)

2D8781-TERMINAL-----2

2D3981-INSULATOR-----2
(1 OF EACH IN EACH WIRE ASSEM.
4K8860 AND 4K8875)

1F7240-TERMINAL-----2

7B4826-INSULATOR-----2
(PARTS OF WIRE ASSEM.6H3605)

6H3605-WIRE ASSEM.---1

4K8860-WIRE ASSEM.---1

4K8875-WIRE ASSEM.---1

4K8229-TERMINAL-----2
(1 IN EACH WIRE ASSEM. 4K8875
AND 4K8860)

L-2072-CLIP-----2

2-TERMINAL-----4K6494

2-INSULATOR-----2D3981
(1 OF EACH IN EACH WIRE ASSEM.
4K8779 AND 4K8780)

7H7055-CLIP-----1

T-102-BOLT-----1

3B4506-LOCKWASHER-----1

1-WIRE ASSEM.-----4K8779

1-SLEEVE-----4K8778

1-WIRE ASSEM.-----4K8780

1-SLEEVE-----4K8300

L-2072-CLIP-----4

7H7055-CLIP-----1

1-TUBE ASSEM.-----4K9394

8-WASHER-----2B8352

4-COUPLER-----4K8045

4-NUT-----1B4206

4-LOCKWASHER-----3B4510

2-TERMINAL-----4K8044
(1 IN EACH WIRE ASSEM.4K8779
AND 4K8780)

16-BOLT-----S-509

16-LOCKWASHER-----3B4506

2-INSULATOR-----4K8036

2-CLIP-----6H3068

2-GROMMET-----8F244

2-BOLT-----S-1620

2-LOCKWASHER-----3B4508

4-BRACKET--1S1888

S-1590-BOLT-----2

3B4506-LOCKWASHER_2

5F7203-LUG-----2

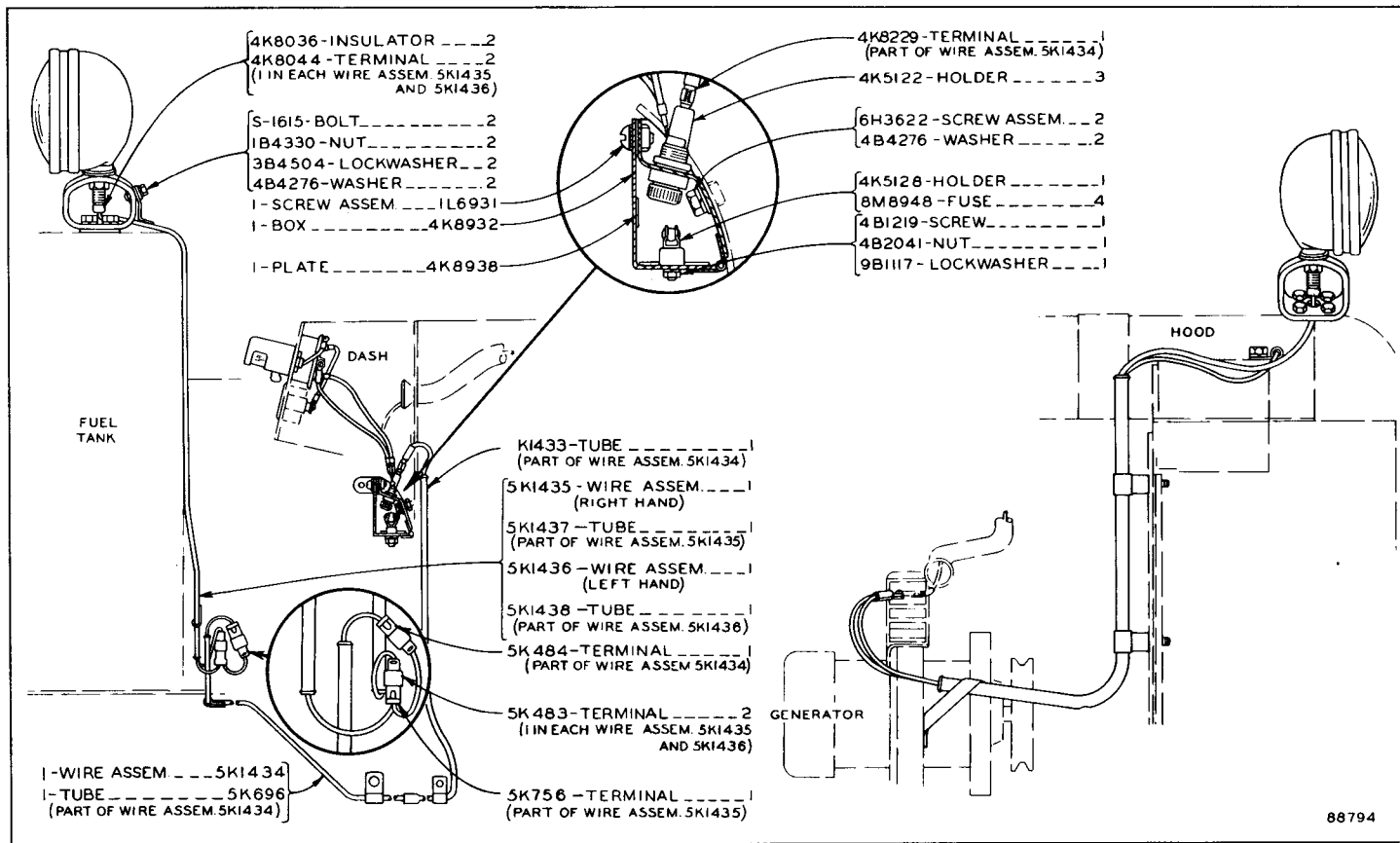
8F8513-CLIP-----2

88793

5K1446 LIGHTING GROUP—24 Volt, 4 Lamp—Part One—Replaces 4K8892

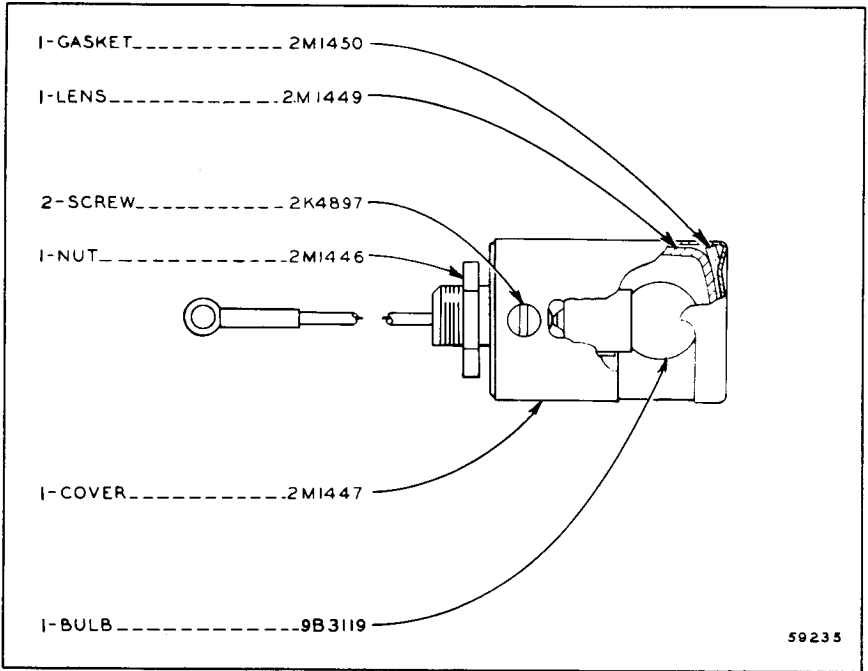
For use with 24 Volt Direct Electric Starting System

9H6338 Dash Lamp Assembly, 4K8033 Flood Lamp Assembly and 7F2921 Switch parts are shown on Pages 130, 130A and 131



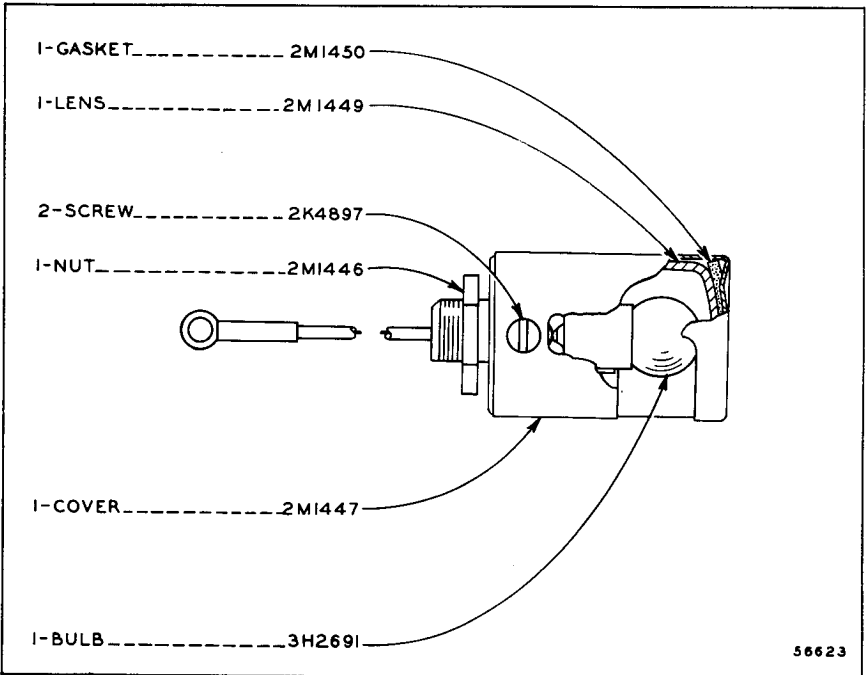
88794

5K1446 LIGHTING GROUP—24 Volt, 4 Lamp—Part Two—Replaces 4K8892
 For use with 24 Volt Direct Electric Starting System



2M6647 DASH LAMP ASSEMBLY—12 Volt

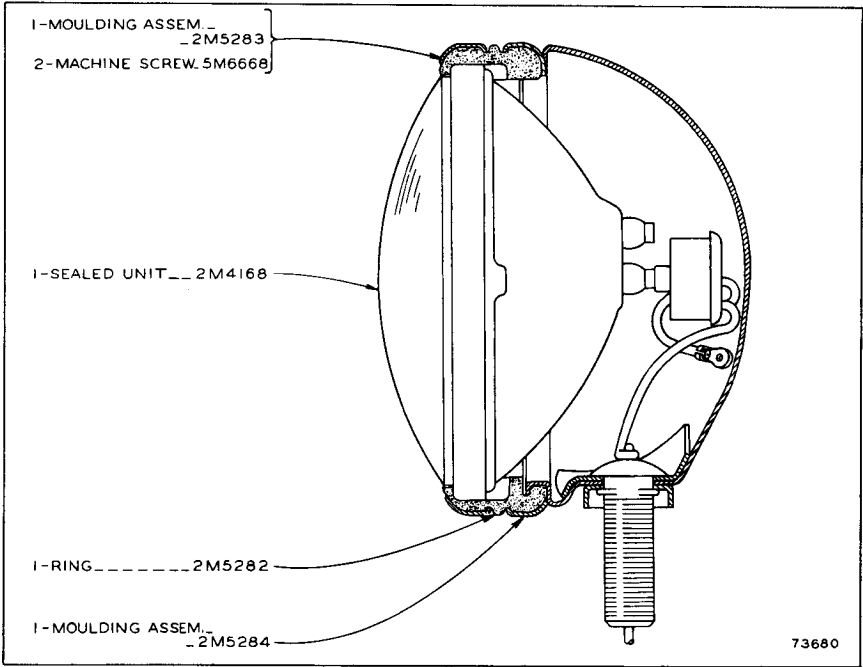
Part of 4K8885 and 4K8891 Lighting Groups shown on Pages 122 and 124



9H6338 DASH LAMP ASSEMBLY—24 Volt

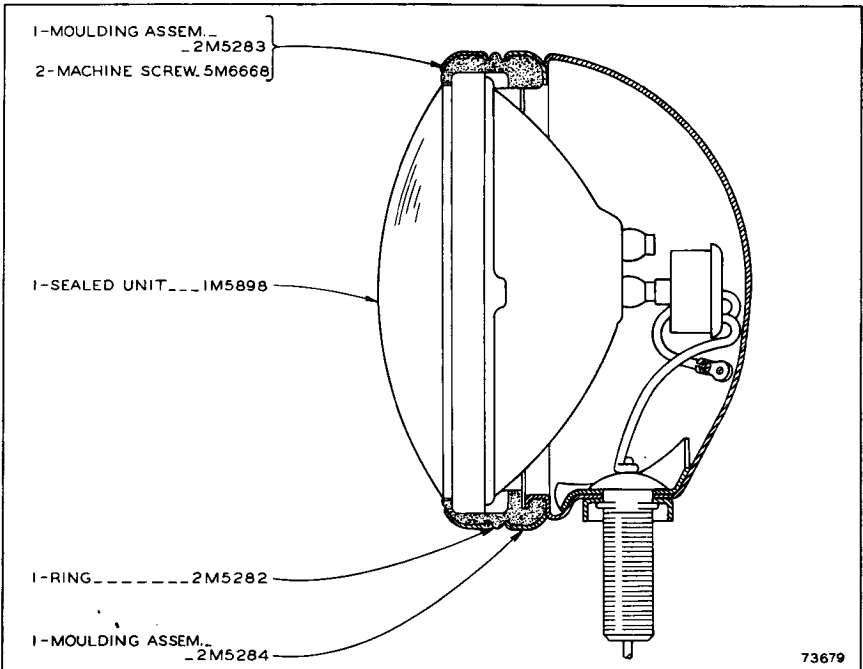
Part of 4K8886 and 4K8892 Lighting Groups shown on Pages 126 and 128

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



4K8034 FLOOD LAMP ASSEMBLY—12 Volt

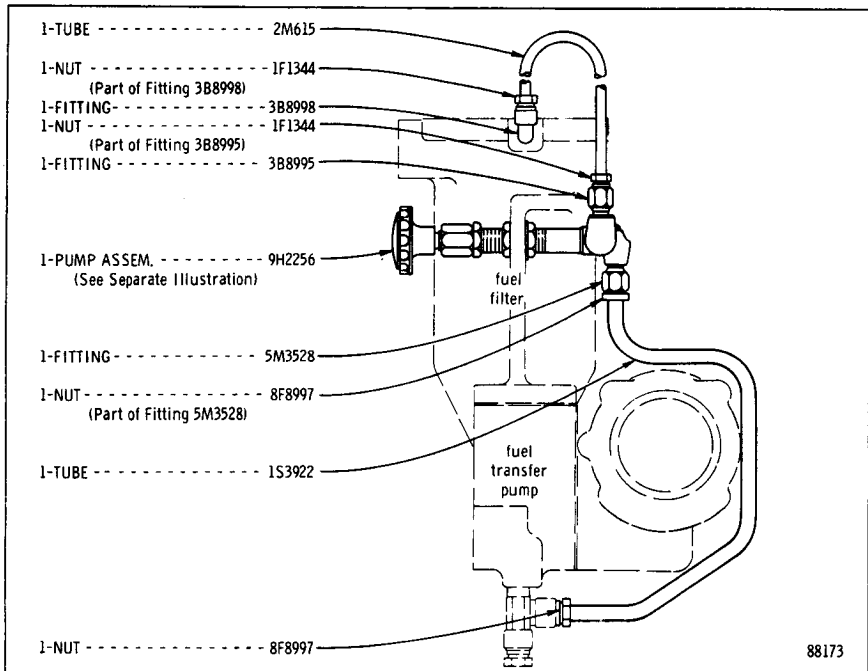
Part of 4K8885 and 4K8891 Lighting Groups shown on Pages 122 and 124



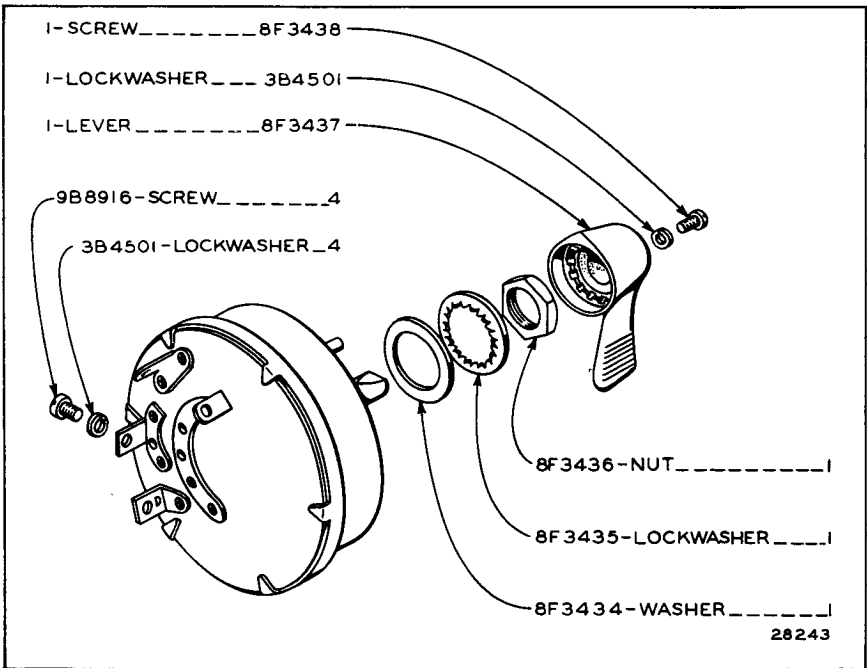
4K8033 FLOOD LAMP ASSEMBLY—24 Volt

Part of 4K8886 and 4K8892 Lighting Groups shown on Pages 126 and 128

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

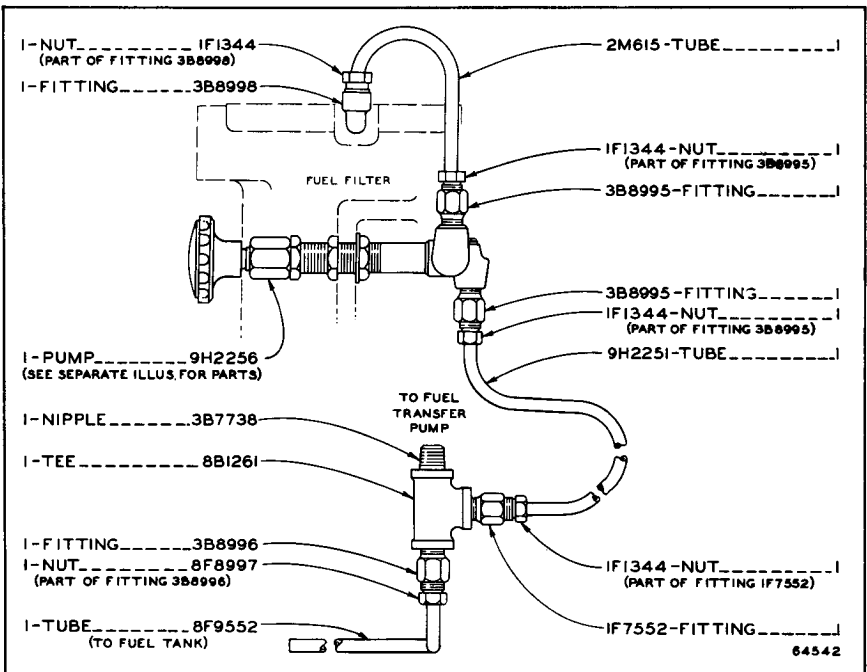


1S4174 FUEL PRIMING PUMP GROUP
For use with 24 Volt Starting System
9H2256 Pump parts are shown on Page 132



7F2921 SWITCH

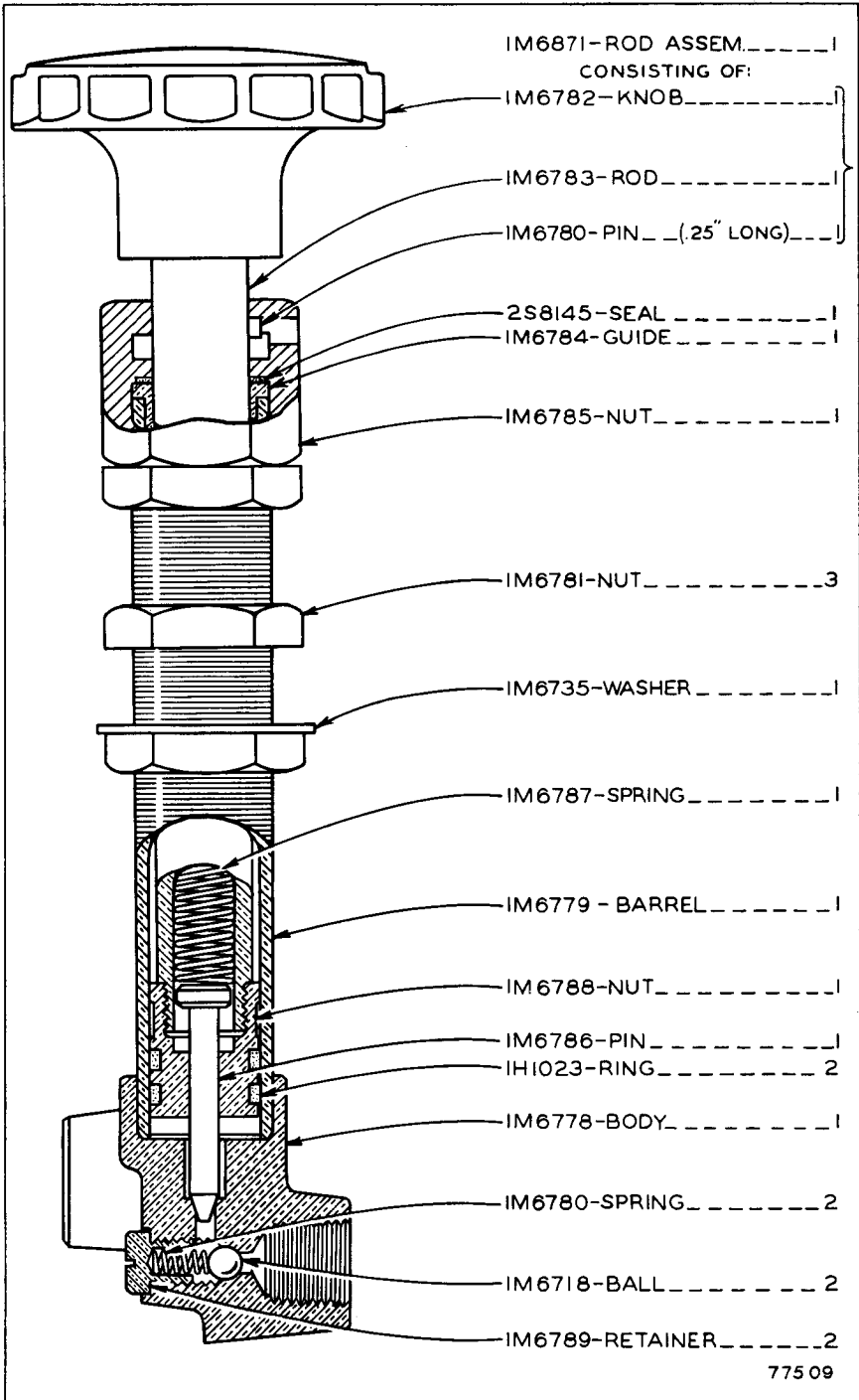
Part of 4K8885, 4K8891, 4K8886 and 4K8892 Lighting Groups shown on Pages 122, 124, 126 and 128



7M3504 FUEL PRIMING PUMP GROUP

For use with 24 Volt Starting System
9H2256 Pump parts are shown on Page 132

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



9H2256 PUMP

Part of 7M3504 Fuel Priming Pump Group shown on Page 131

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

4K5637 For use with Gasoline Starting Engine

Consists of:

Page

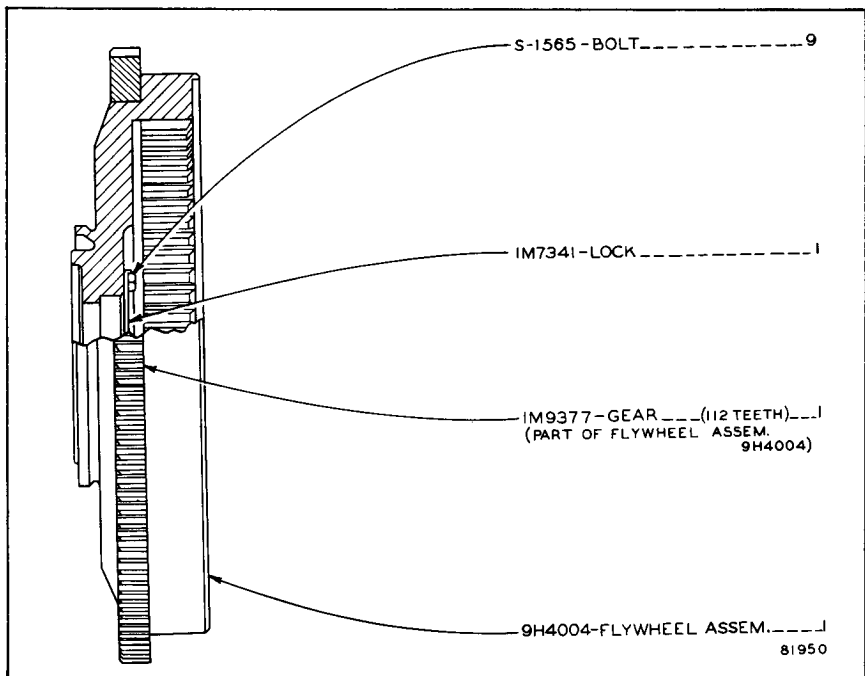
- I 9H4081 Flywheel Group 133
- I 4K5034 Flywheel Clutch Group..... 135
- I 9M5178 Flywheel Housing

4K6235 For use with 24 Volt Direct Electric Starting

Consists of:

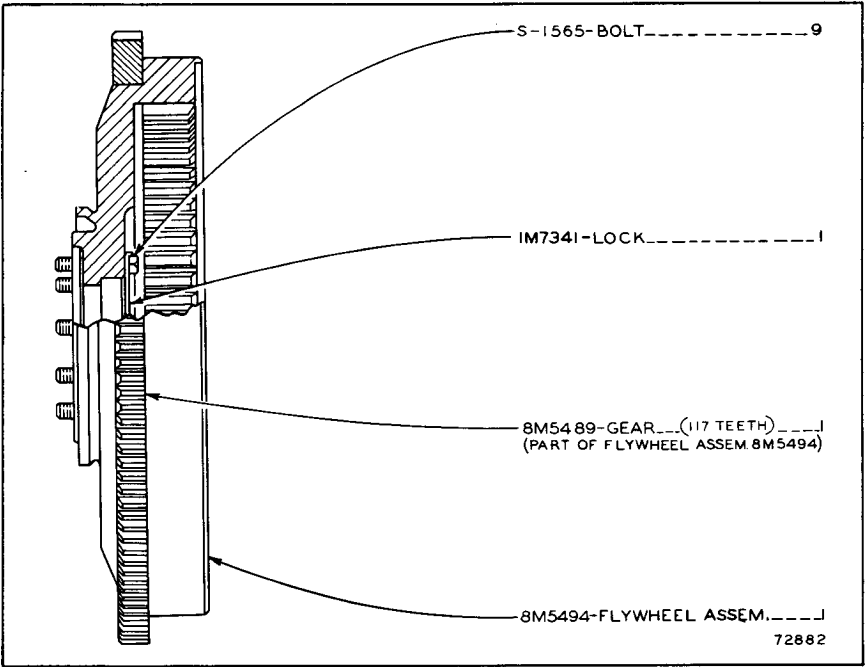
- I 4K5034 Flywheel Clutch Group..... 135
- I 1M5588 Flywheel Group 134
- I 9M5178 Flywheel Housing

OIL CLUTCH ARRANGEMENTS—Factory Installation



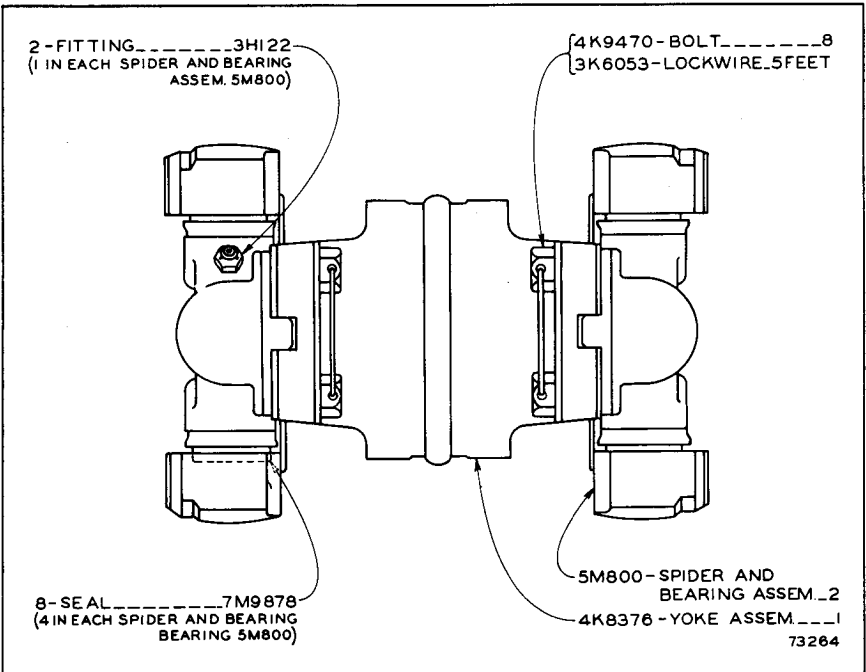
9H4081 FLYWHEEL GROUP
Part of 4K5637 Oil Clutch Arrangement

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



IM5588 FLYWHEEL GROUP

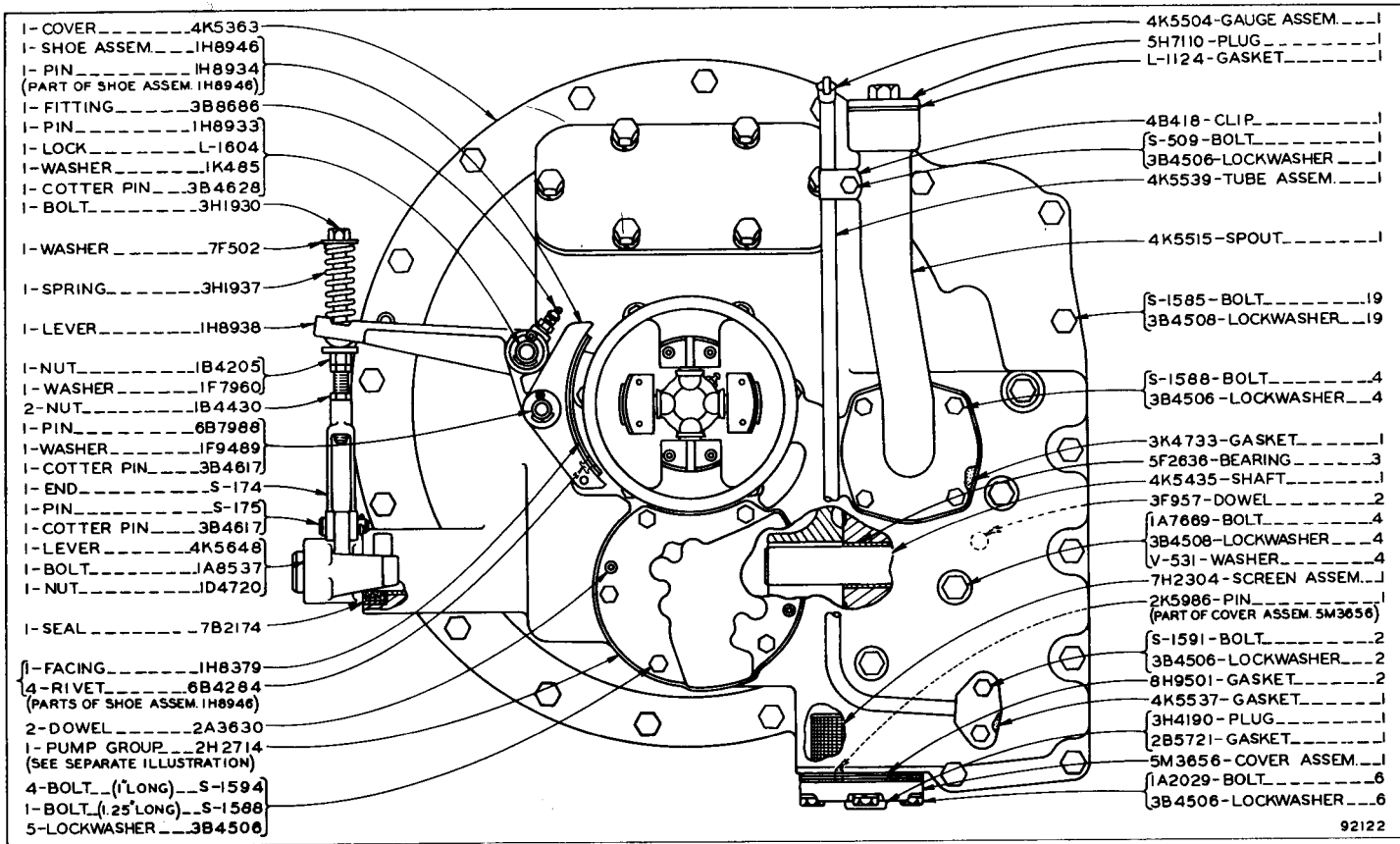
Part of 4K6235 Oil Clutch Arrangement listed on Page 133



4K5725 UNIVERSAL JOINT ASSEMBLY

Part of 4K5034 Flywheel Clutch Group shown on Page 136

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

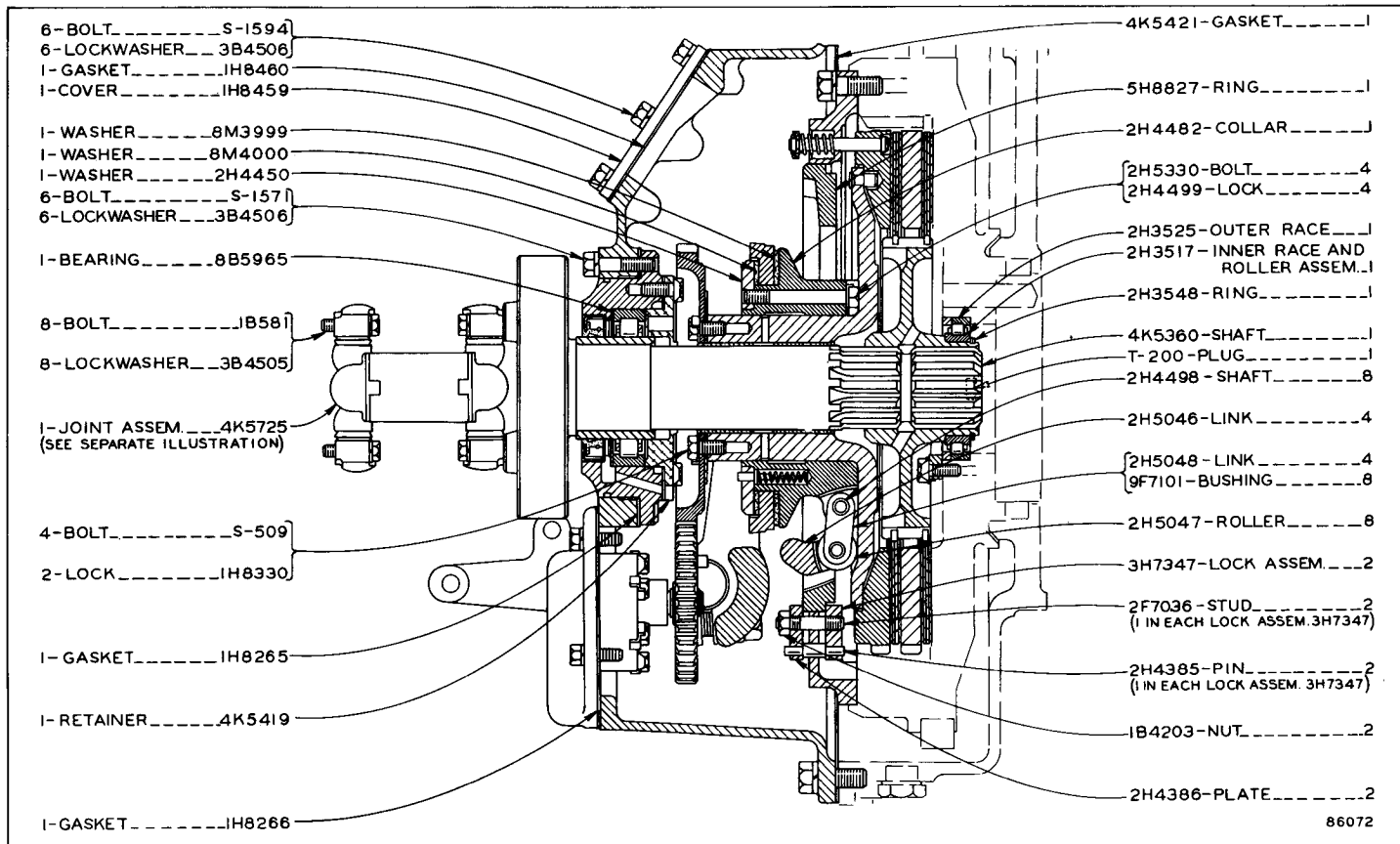


4K5034 FLYWHEEL CLUTCH GROUP—Part One

Part of 4K5637 and 4K6235 Oil Clutch Arrangements listed on Page 133

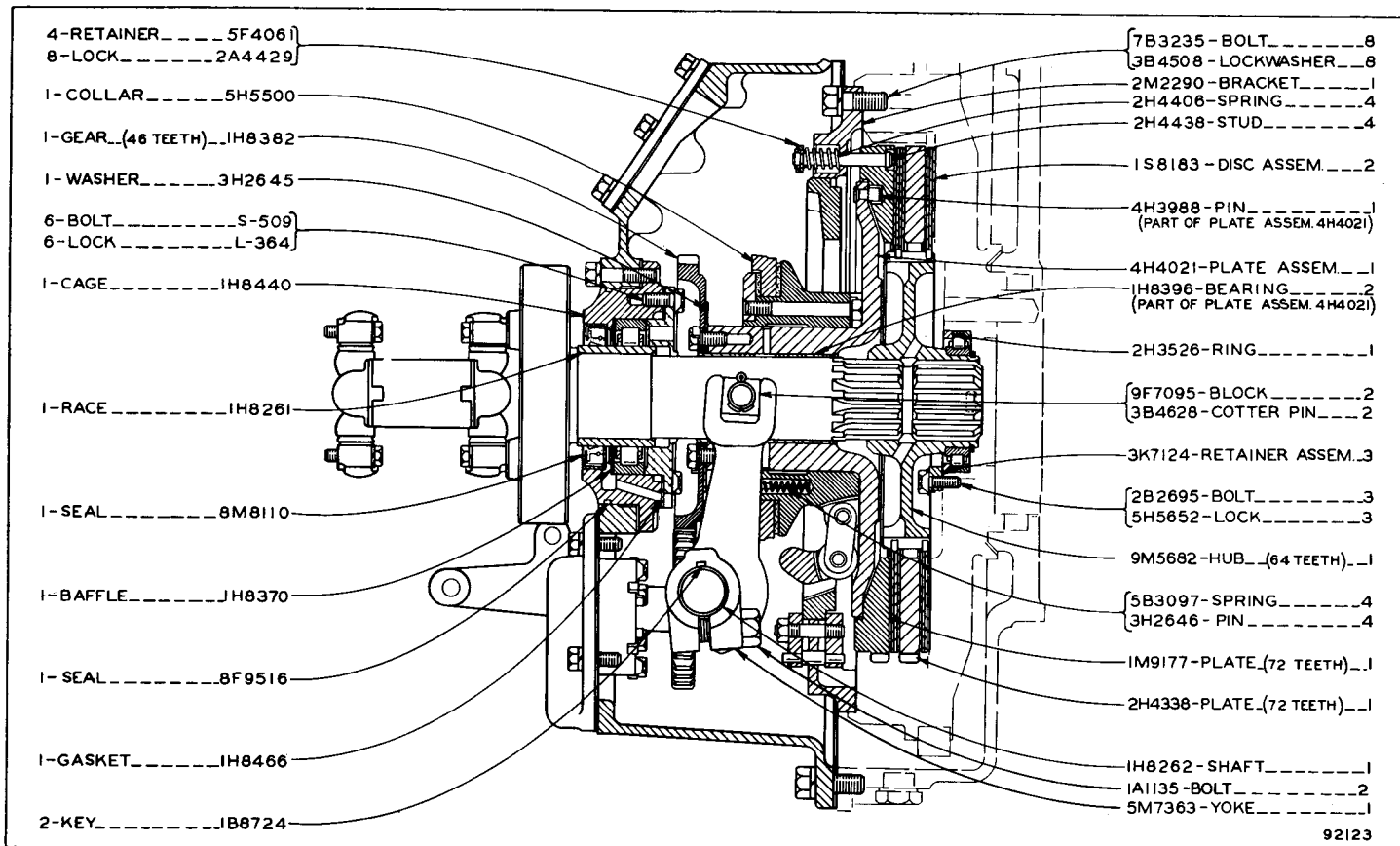
2H2714 Oil Pump Group parts are shown on Page 138

ADDITIONAL PARTS ARE SHOWN ON PAGES 136 AND 137



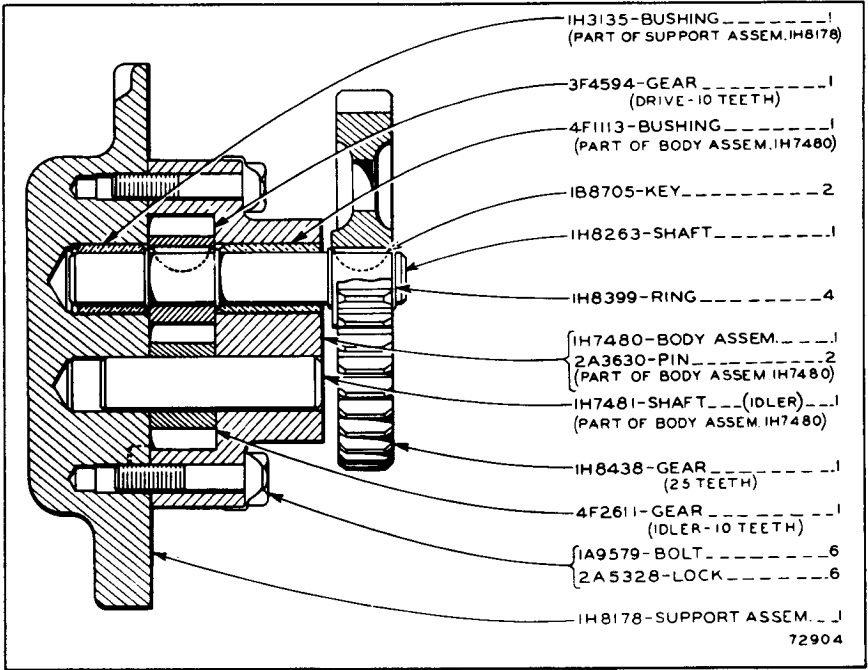
4K5034 FLYWHEEL CLUTCH GROUP—Part Two

Part of 4K5637 and 4K6235 Oil Clutch Arrangements listed on Page 133
 4K5725 Universal Joint Assembly parts are shown on Page 134



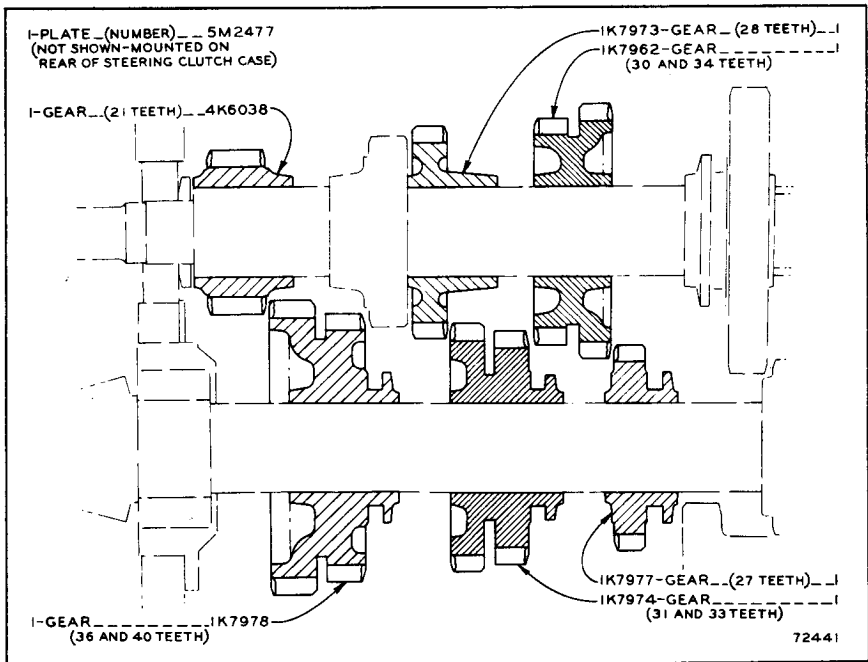
92123

4K5034 FLYWHEEL CLUTCH GROUP—Part Three
 Part of 4K5637 and 4K6235 Oil Clutch Arrangements listed on Page 133
 ADDITIONAL PARTS ARE SHOWN ON PAGES 135 AND 136



2H2714 OIL PUMP GROUP

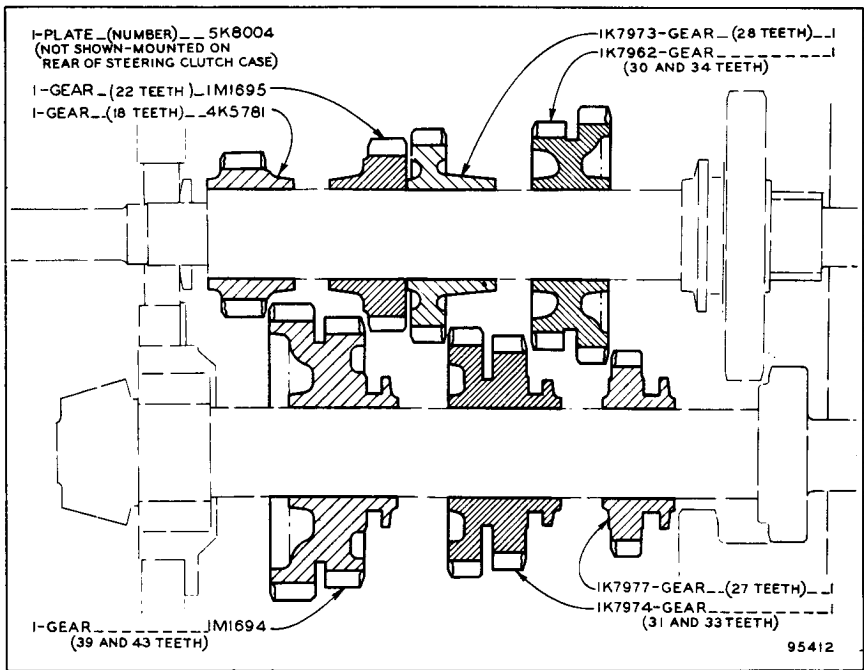
Part of 4K5034 Flywheel Clutch Group shown on Page 135



4K6037 LOW SPEED GEAR GROUP

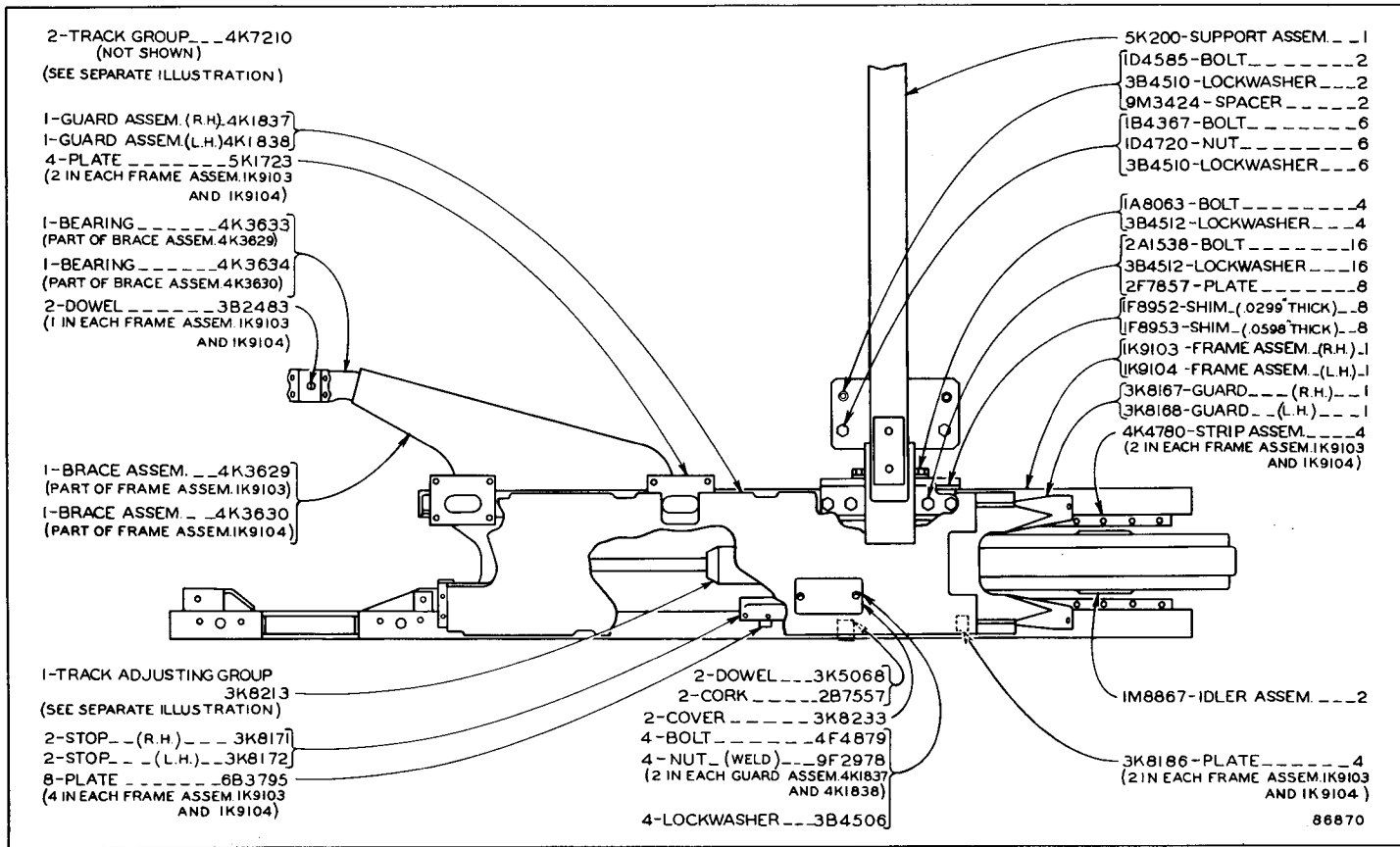
Note: This Group provides the following speeds: (Forward) First—1.8, Second—2.4, Third—3.0, Fourth—3.4 and Fifth—4.4 M.P.H.; (Reverse) First—2.2, Second—2.9, Third—3.5, Fourth—4.0 and Fifth 5.2 M.P.H.

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



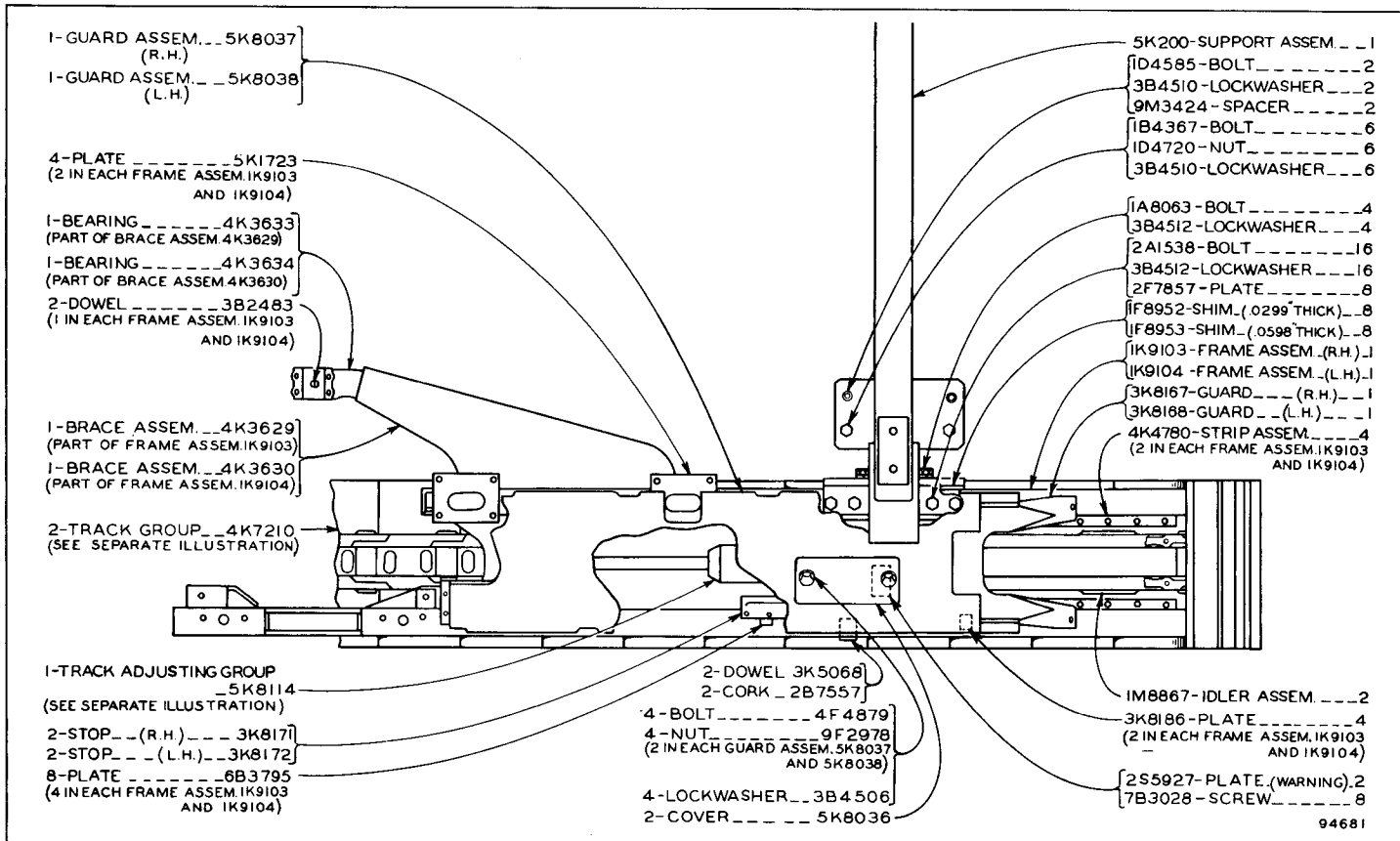
5K8017 LOW SPEED GEAR GROUP

Note: This Group provides the following speeds: (Forward) First—1.5, Second—2.0, Third—3.0, Fourth—3.4 and Fifth—4.4 M.P.H.; (Reverse) First—1.7, Second—2.3, Third—3.5, Fourth—4.0 and Fifth—5.1 M.P.H.

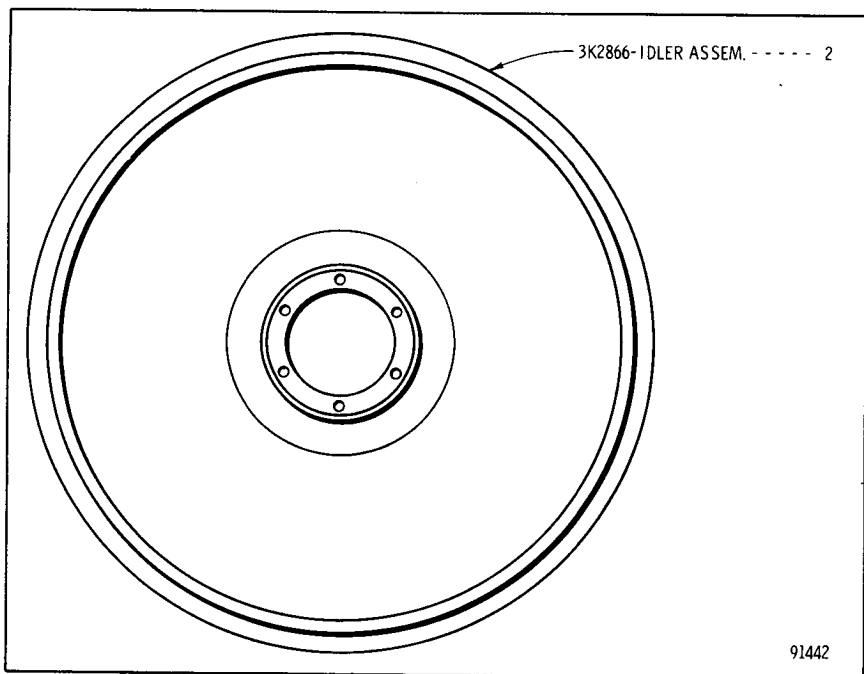


5K208 TRACK ROLLER FRAME ARRANGEMENT—Non-Oscillating

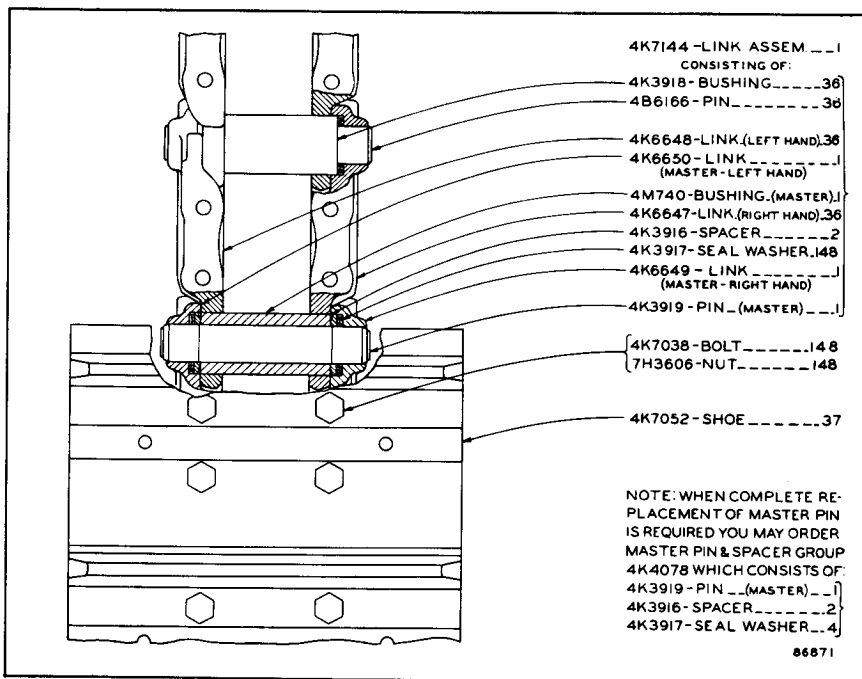
4K7210 Track Group and 3K8213 Hydraulic Track Adjusting Group parts are shown on Pages 138D and 139B



5K208 TRACK ROLLER FRAME ARRANGEMENT—Non-Oscillating—Second Type
 4K7210 Track Group and 5K8114 Track Adjusting Group parts are shown on Pages 138D and 139D



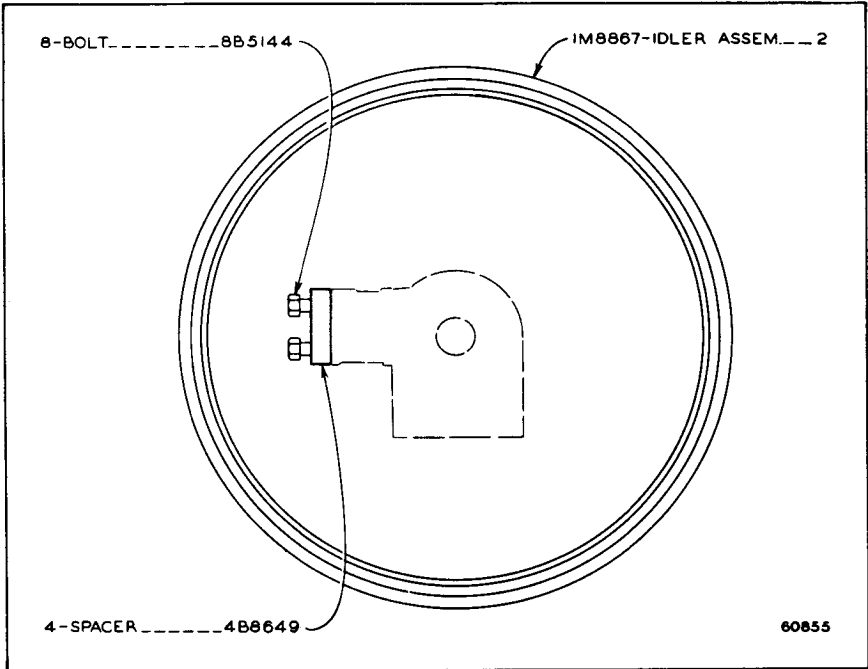
5K4544 FRONT IDLER GROUP—21.88" Outside Diameter—Fabricated FOR USE WITH 35 SECTION TRACK GROUP



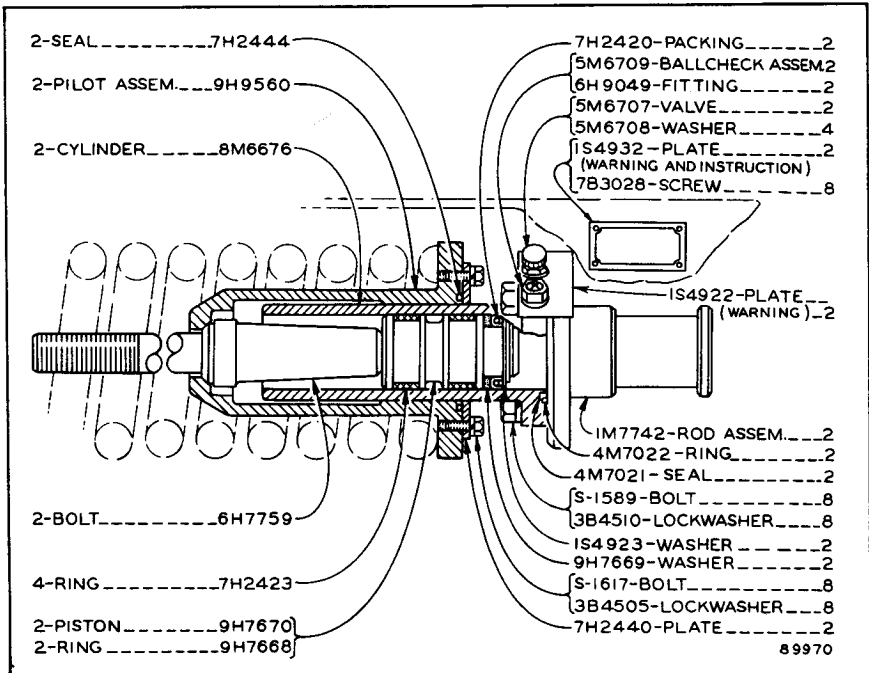
4K7210 TRACK GROUP—13" Grouser Shoe—2 Groups Required

Part of 5K208 Track Roller Frame Arrangement shown on Pages 138B and 138C

Note: 4K4082 Track Pin and Bushing Group, consisting of a complete set of Pins and Bushings for one Track, is available

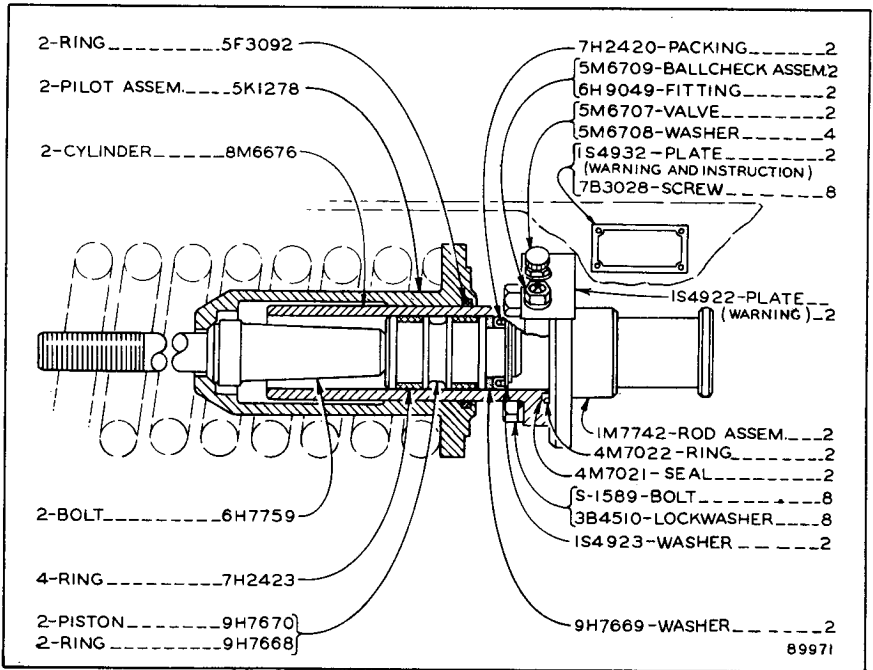


3K6634 FRONT IDLER GROUP—24.25" Outside Diameter



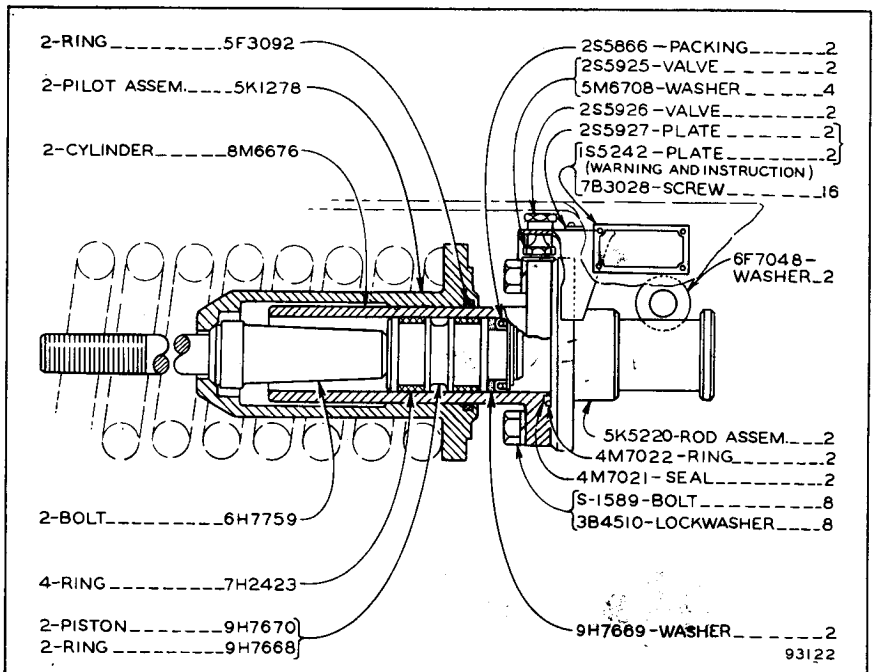
IM7743 HYDRAULIC TRACK ADJUSTING GROUP

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



IM7743 HYDRAULIC TRACK ADJUSTING GROUP—Second Type

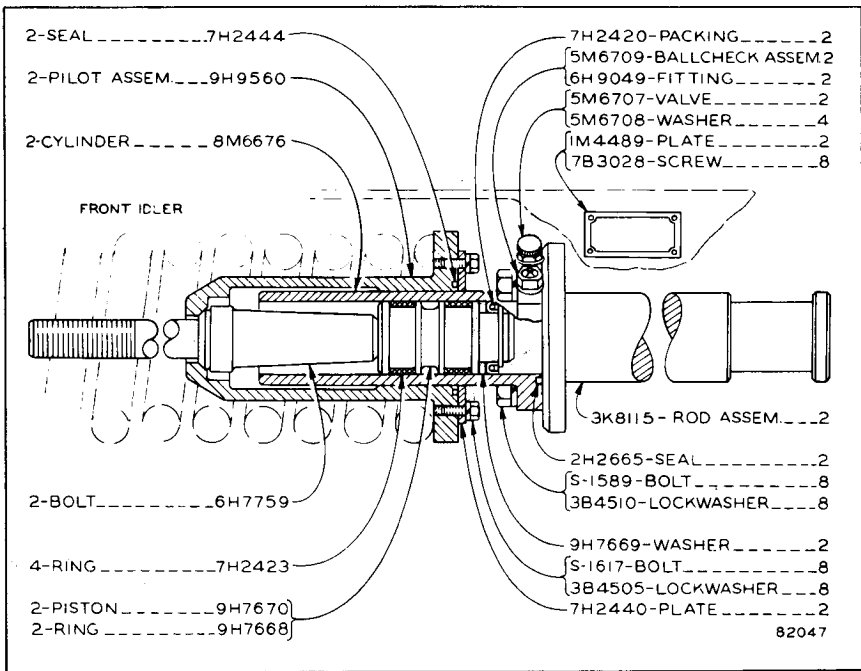
Note: Quantities shown are those required for both R.H. and L.H. sides



IM7743 HYDRAULIC TRACK ADJUSTING GROUP—Third Type

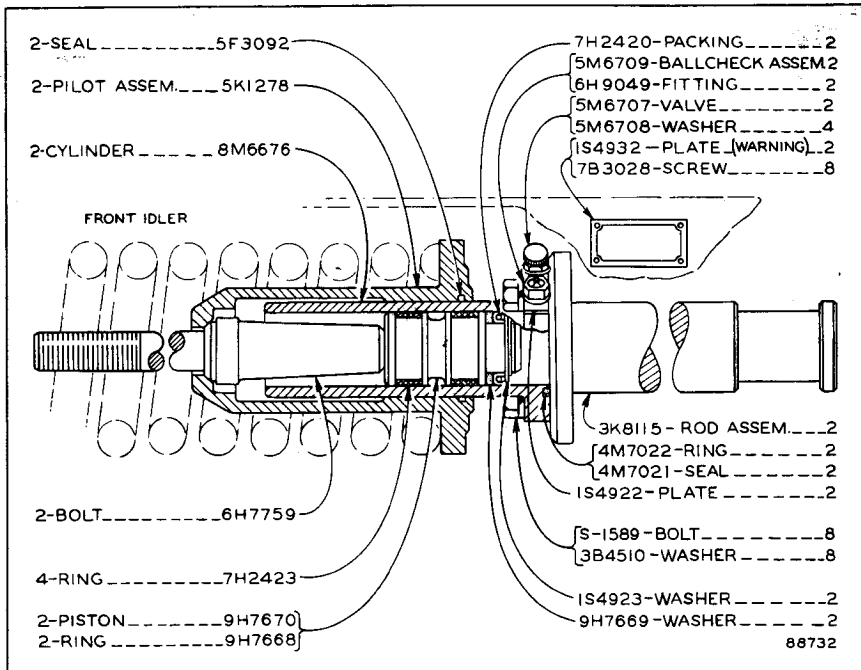
Note: Quantities shown are those required for both R.H. and L.H. sides

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



3K8213 HYDRAULIC TRACK ADJUSTING GROUP

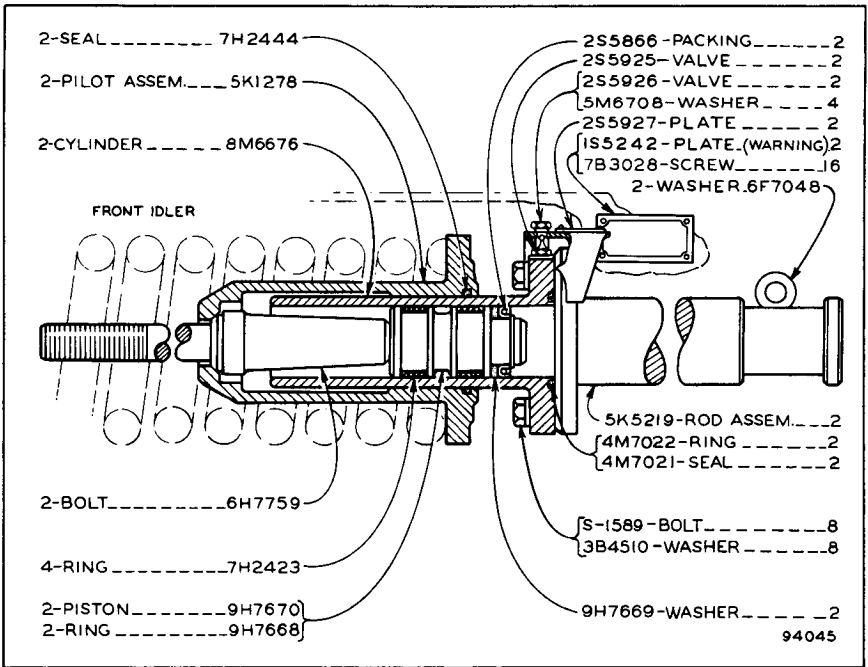
Part of 5K208 Track Roller Frame Arrangement shown on Page 138B
 Note: Quantities shown are those required for both R.H. and L.H. sides



3K8213 HYDRAULIC TRACK ADJUSTING GROUP—Second Type

Part of 5K208 Track Roller Frame Arrangement shown on Page 138B
 Note: Quantities shown are those required for both R.H. and L.H. sides

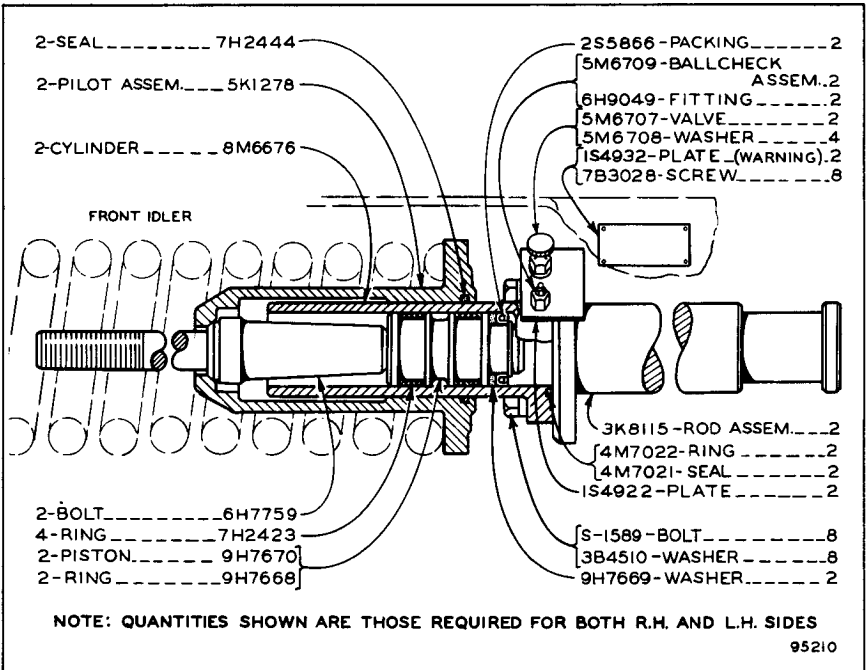
ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



3K8213 HYDRAULIC TRACK ADJUSTING GROUP—Third Type

Part of 5K208 Track Roller Frame Arrangement shown on Page 138B

Note: Quantities shown are those required for both R.H. and L.H. sides

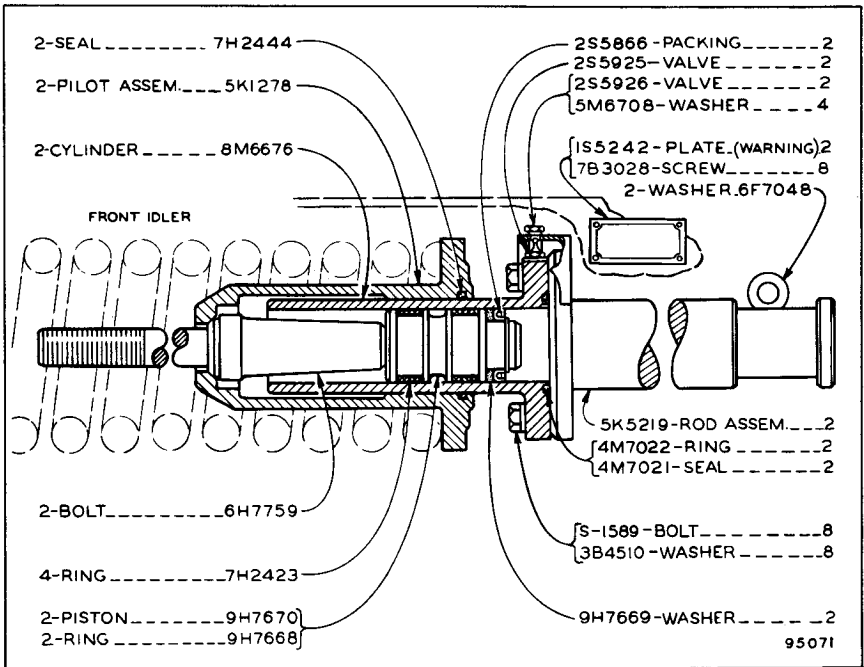


3K8213 HYDRAULIC TRACK ADJUSTING GROUP—Fourth Type

Part of 5K208 Track Roller Frame Arrangement shown on Page 138B

Note: Quantities shown are those required for both R.H. and L.H. sides

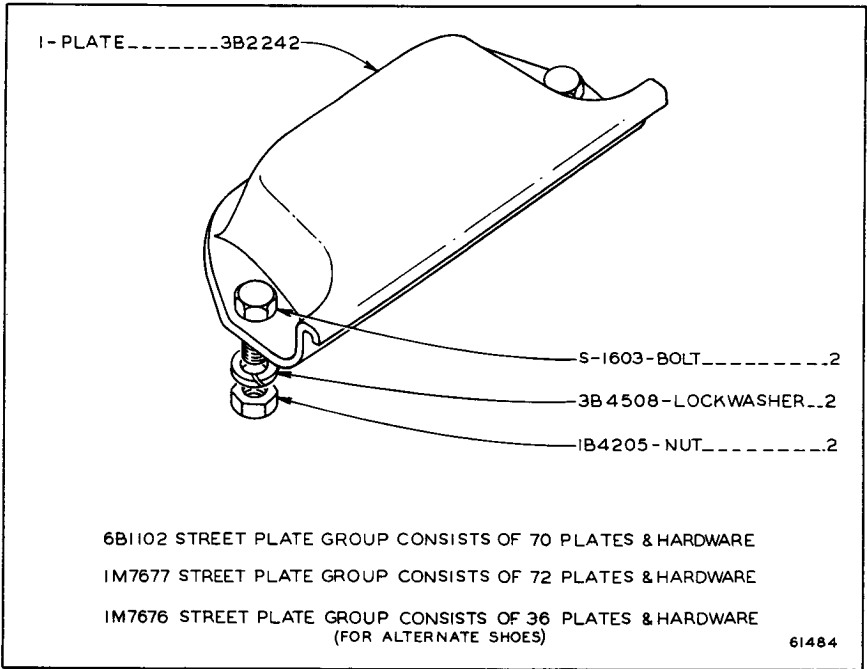
ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



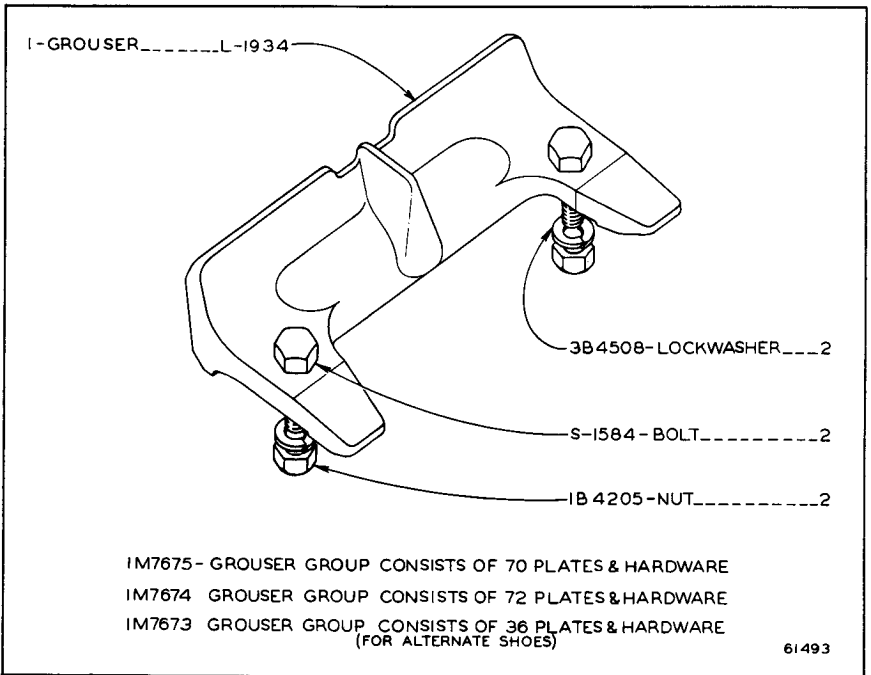
5K8114 HYDRAULIC TRACK ADJUSTING GROUP

Part of 5K208 Track Roller Frame Arrangement shown on Page 138C

Note: Quantities shown are those required for both R.H. and L.H. sides

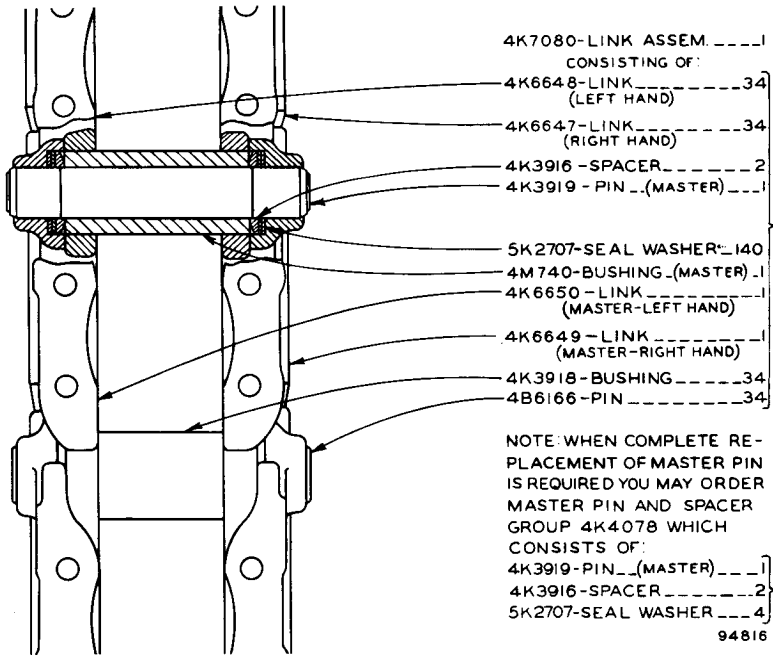


STREET PLATES



ICE AND DIRT GROUSER SHOES

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



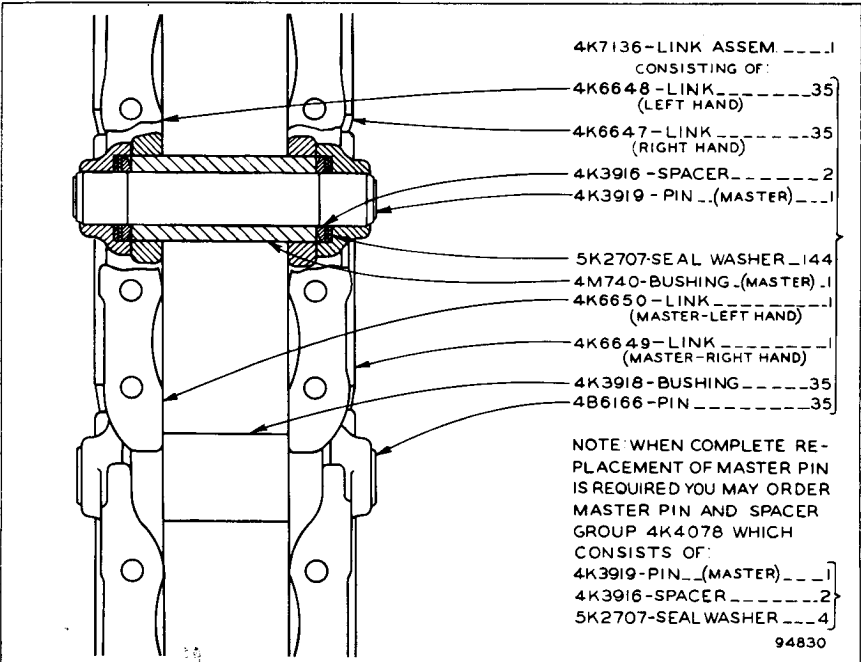
NAME	SHOE (35 Required for one track)	COMPLETE TRACK GROUP (Hardware included) 2 Required per Tractor
16" Grouser Shoe	4K7181	4K7192
16" Grouser Shoe — H.T.	4K7175	4K7193
18" Grouser Shoe	4K7188	4K7203
20" Grouser Shoe	4K7184	4K7194

NOTE: 4K7038 Track Shoe Bolt — 140 Required for one Track
 7H3606 Nut — Used with 4K7038
 H.T. = Heat Treated

TRACK GROUPS—2 Groups Required

Note: 4K4076 Track Pin and Bushing Group, consisting of a complete set of Pins and Bushings for one track, is available

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

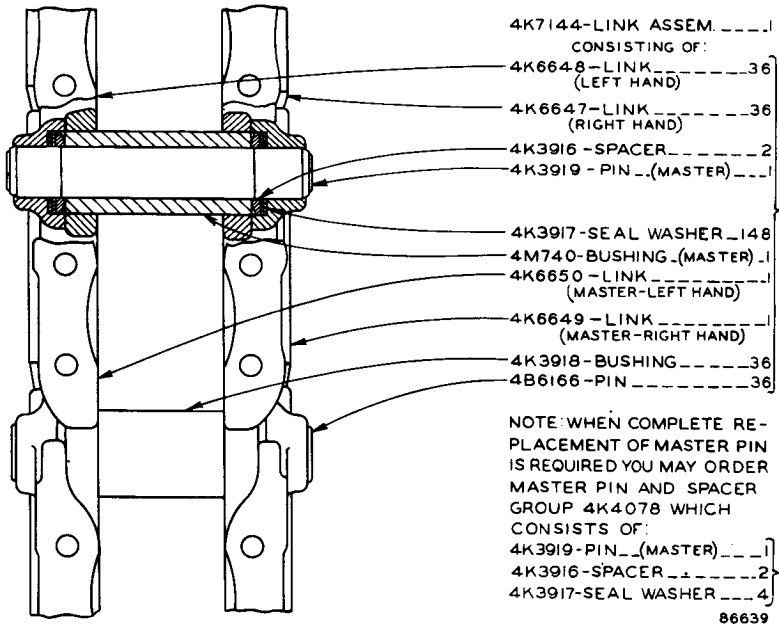


NAME	SHOE (36 Required for one track)	COMPLETE TRACK GROUP (Hardware included) 2 Required per Tractor
13" Grouser Shoe—H.T.	4K7052	4K7211
16" Grouser Shoe	4K7181	4K7206
16" Grouser Shoe—H.T.	4K7175	4K7207
18" Grouser Shoe	4K7188	4K7204
20" Grouser Shoe—H.T.	4K7184	4K7221
NOTE: 4K7038 Track Shoe Bolt—144 Required for One Track 7H3606 Nut—Used with 4K7038 H.T. = Heat Treated		

TRACK GROUPS

Note: 4K4080 Track Pin and Bushing Group, consisting of a complete set of Pins and Bushings for one Track, is available

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



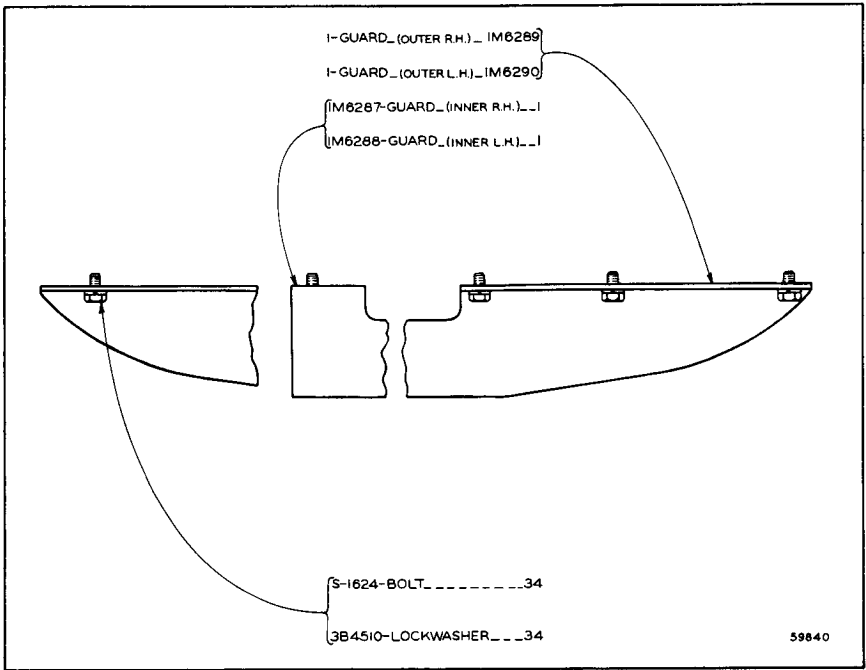
NAME	SHOE (37 Required for one track)	COMPLETE TRACK GROUP (Hardware included) 2 Required per Tractor
16" Grouser Shoe — H.T.	4K7175	4K7222
18" Grouser Shoe	4K7188	4K7223
20" Grouser Shoe	4K7184	4K7224

NOTE: 4K7038 Track Shoe Bolt — 148 Required for one Track
 7H3606 Nut — Used with 4K7038
 H.T. = Heat Treated

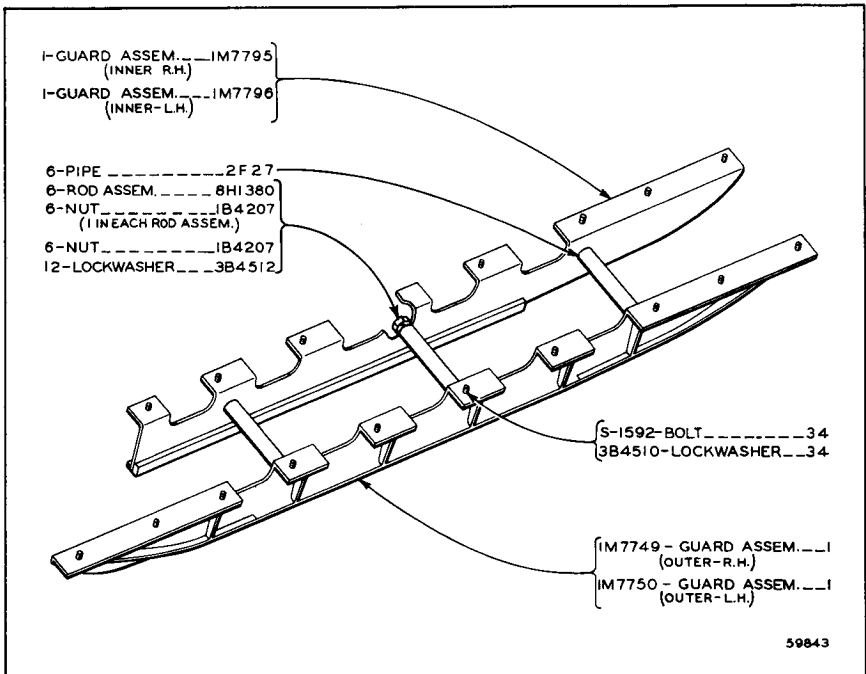
TRACK GROUPS—2 Groups Required

Note: 4K4082 Track Pin and Bushing Group, consisting of a complete set of Pins and Bushings for one track, is available

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

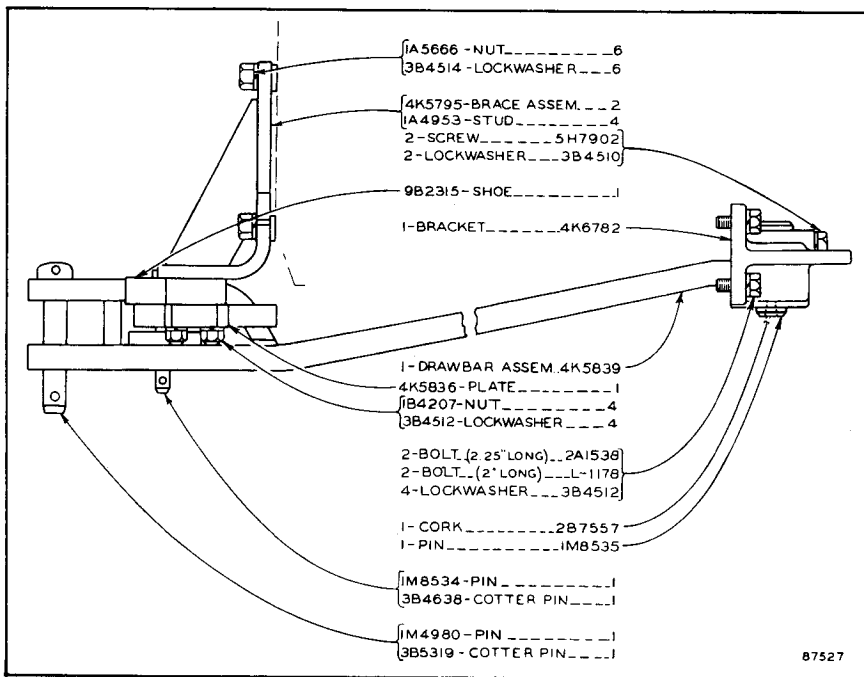


IM6286 TRACK ROLLER DIRT GUARD GROUP



IM8549 TRACK ROLLER DIRT GUARD GROUP
 Reinforced for extremely rough usage

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS



4K5807 SWINGING DRAWBAR GROUP

4K6837 With Pulley

Consists of

Page

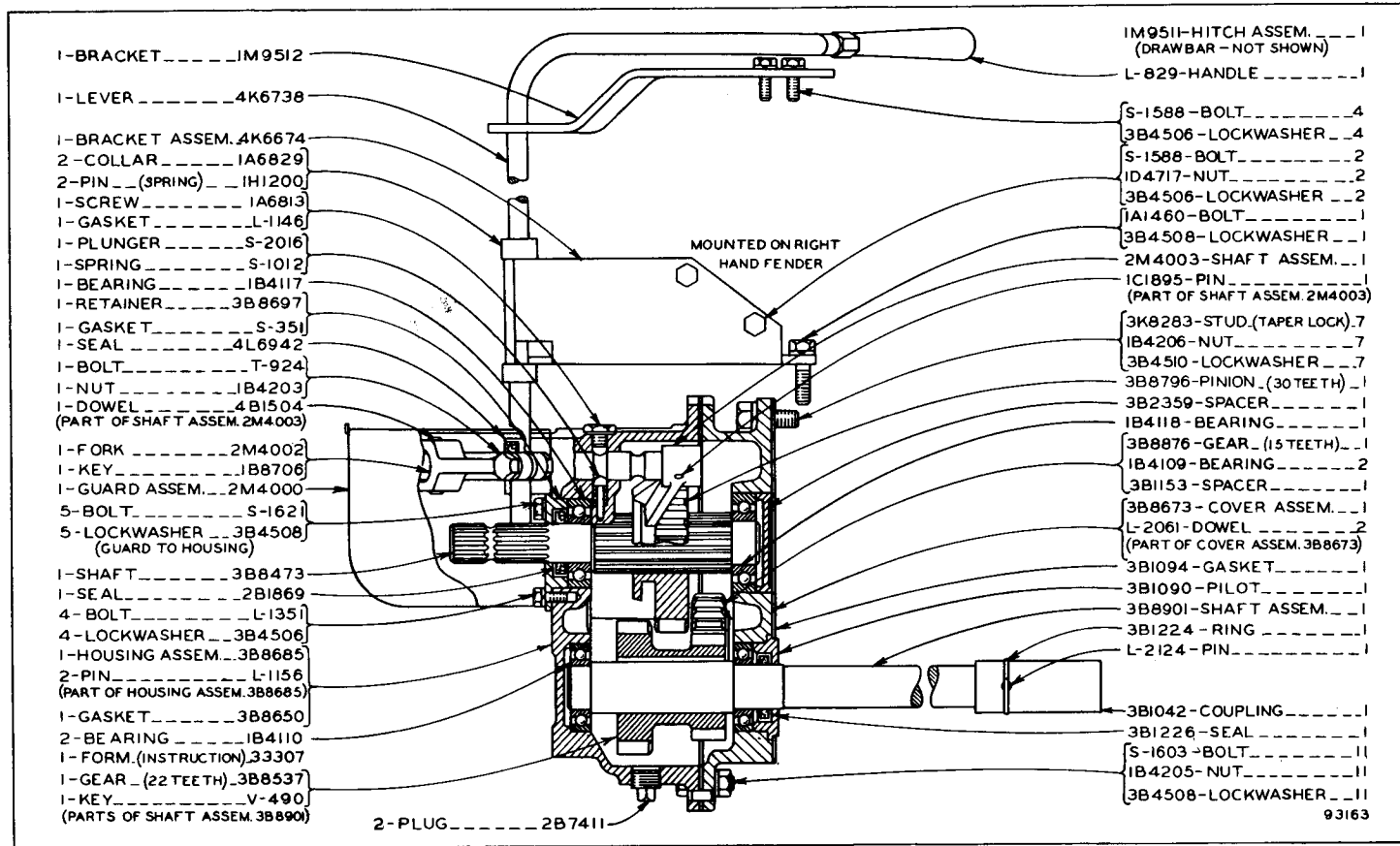
- 1 4K6676 Rear Power Take-Off Group..... 146
- 1 1M9513 Belt Pulley Drive Group..... 152

4K6838 Without Pulley

Consists of:

- 1 4K6676 Rear Power Take-Off Group..... 146
- 1 3B9029 Belt Pulley Drive Group..... 152

COMBINATION BELT PULLEY DRIVE GROUPS

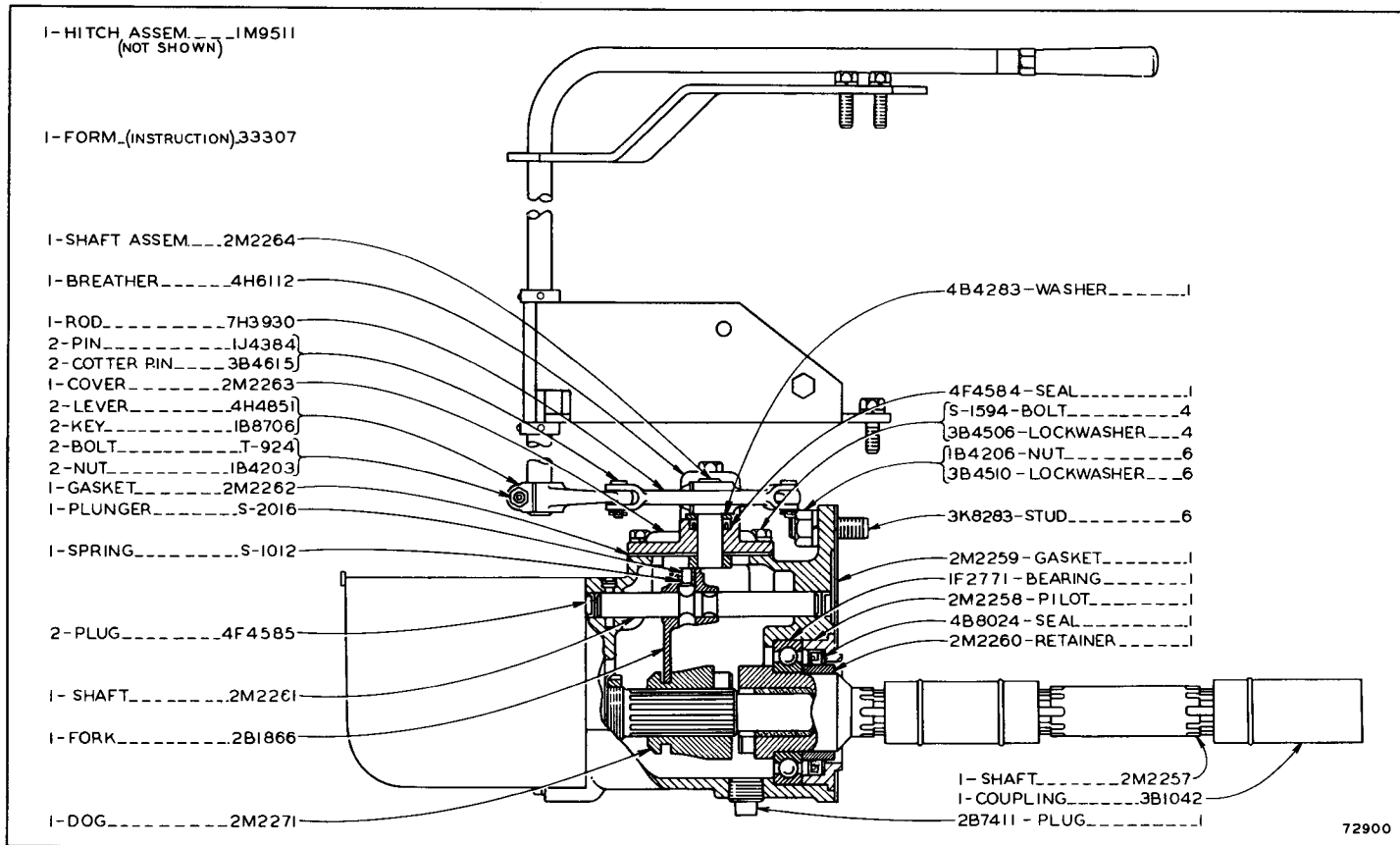


4K6676 REAR POWER TAKE-OFF GROUP—Two Speed

525 R.P.M.—S.A.E. Opposite Engine Rotation, 678 R.P.M.—S.A.E. Standard Engine Rotation

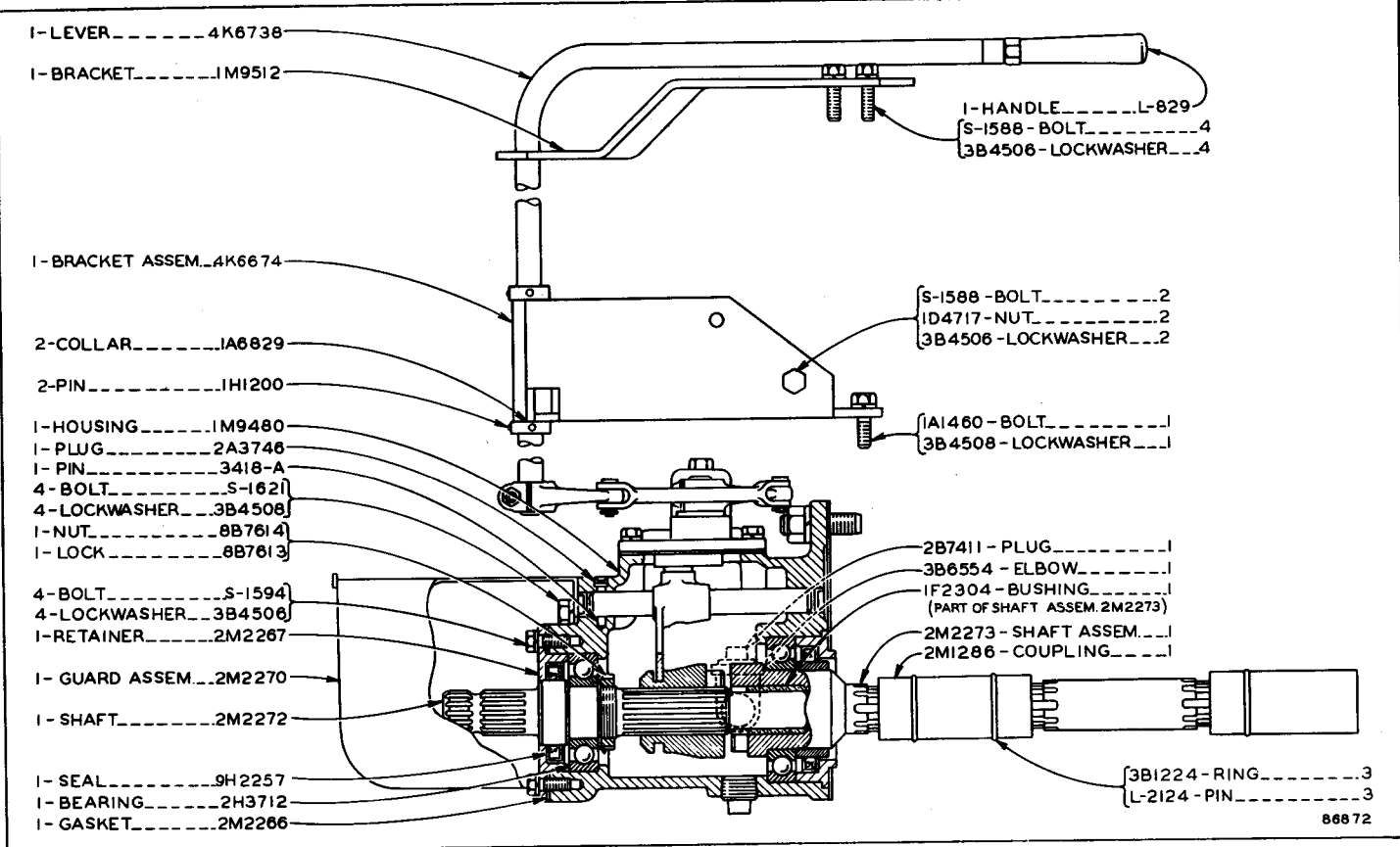
For use with Swinging Drawbar

Part of 4K6837 and 4K6838 Combination Belt Pulley Drive Groups listed on Page 145



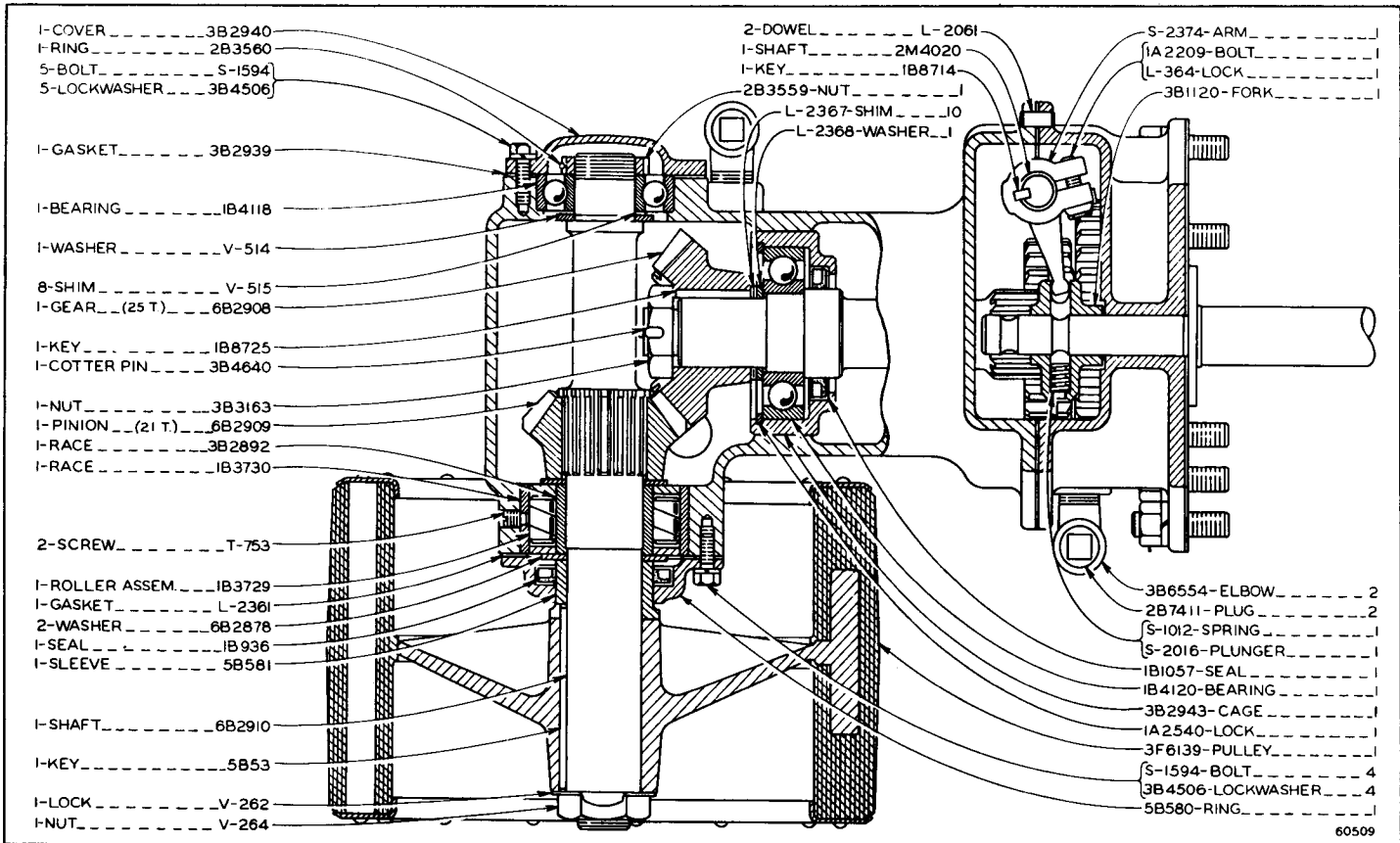
72900

4K6683 REAR POWER TAKE-OFF GROUP—Direct Drive—1000 R.P.M.—Part One



4K6683 REAR POWER TAKE-OFF GROUP—Direct Drive—1000 R.P.M.—Part Two

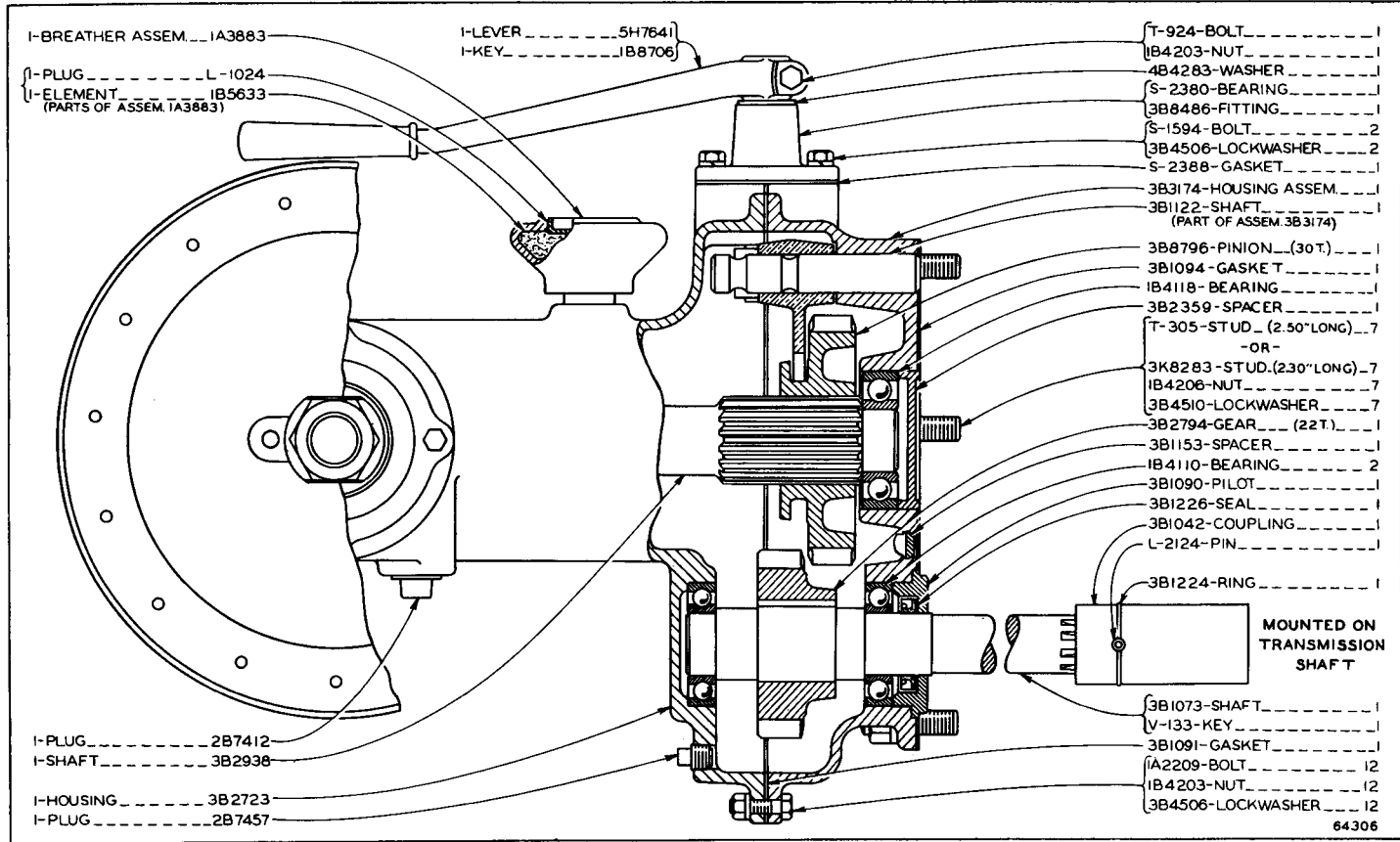
86872



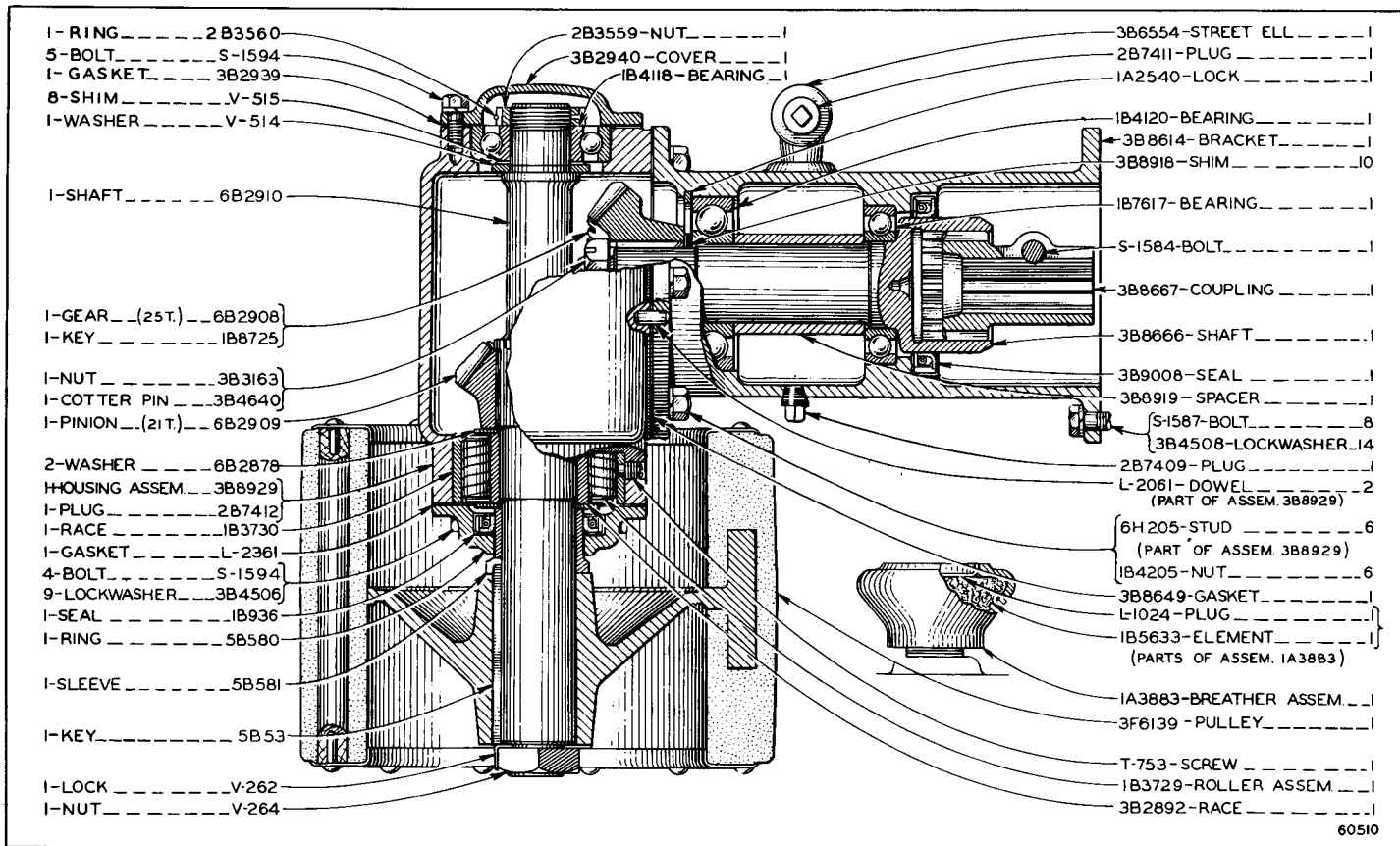
1M9516 BELT PULLEY DRIVE GROUP—With Pulley—807 R.P.M.—Top View
 1M9517 BELT PULLEY DRIVE GROUP—Without Pulley—807 R.P.M.—Top View

60509

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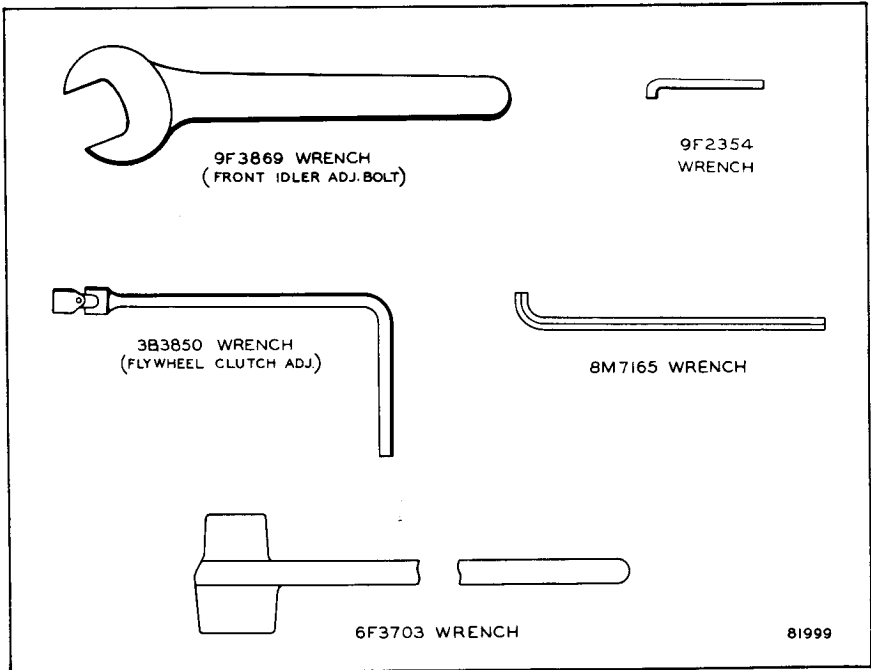


IM9516 BELT PULLEY DRIVE GROUP—With Pulley—807 R.P.M.—Side View
 IM9517 BELT PULLEY DRIVE GROUP—Without Pulley—807 R.P.M.—Side View

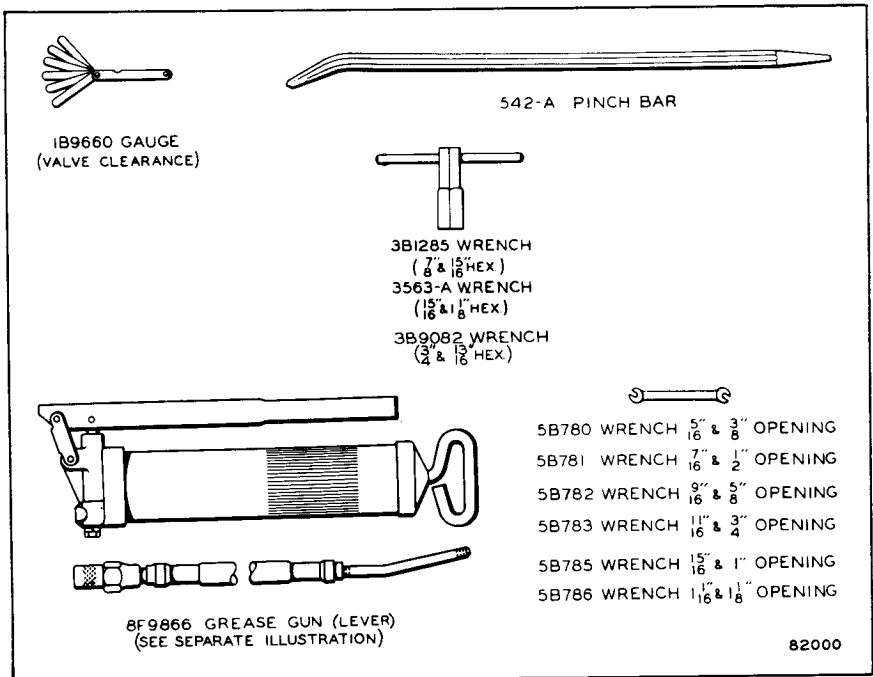


60510

IM9513 BELT PULLEY DRIVE GROUP—Two Speed—With Pulley—625 R.P.M. Clockwise, 807 R.P.M. Counterclockwise
 Part of 4K6837 Combination Belt Pulley Drive Group listed on Page 145
3B9029 BELT PULLEY DRIVE GROUP—Two Speed—Without Pulley—625 R.P.M. Clockwise, 807 R.P.M. Counterclockwise
 Part of 4K6838 Combination Belt Pulley Drive Group listed on Page 145



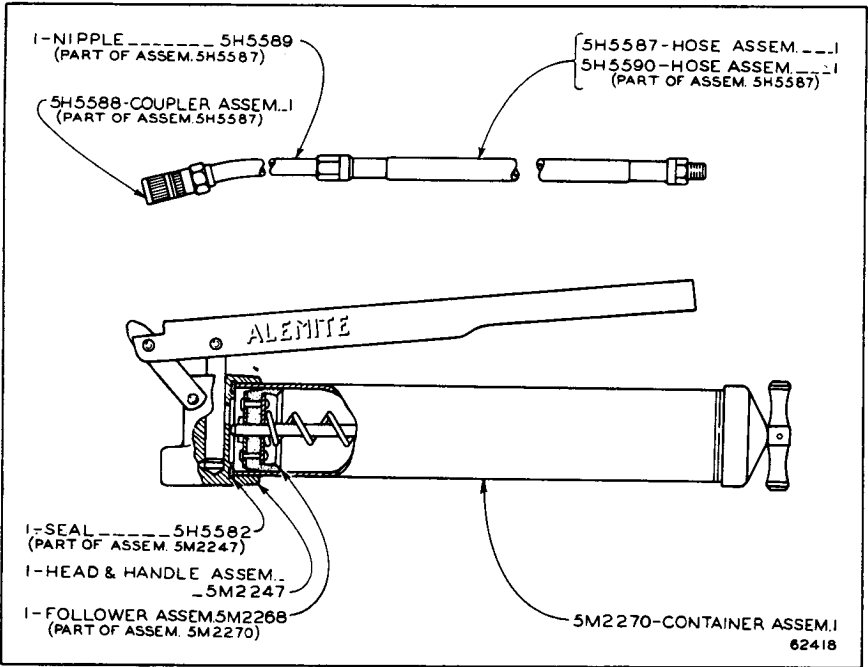
TOOLS



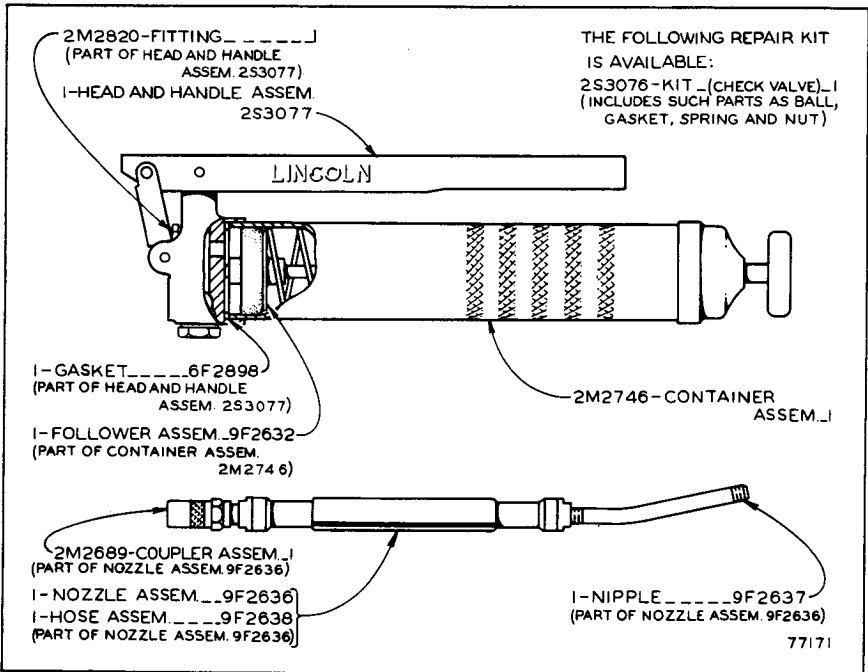
8M9852 TOOL GROUP
AN ATTACHMENT

8F9866 Grease Gun parts are shown on Page 154

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE



8F9866 GREASE GUN—First Type
Part of 8M9852 Tool Group shown on Page 153



8F9866 GREASE GUN—Second Type
Part of 8M9852 Tool Group shown on Page 153

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

Quantity Used	Part Number	Description
1	2M6831	Plate—Serial Number On left hand side of cylinder block
1	4M6841	Plate—Starting Instructions On rear upper portion of engine side plate
6	4B4158	Drive Screw
1	5H9856	Transfer—Caterpillar Tractor Co. Peoria, Illinois, U.S.A. On front panel, below seat
1	1S350	Transfer Group
		Consisting of:
1	.....	Transfer—Air Cleaner Instructions On diesel air cleaner
1	.....	Transfer—Air Cleaner Instructions On starting engine air cleaner
1	.....	Transfer—Clutch Pilot Bearing Instructions Center of inspection plate on flywheel clutch housing cover
1	.....	Transfer—D4 On back of fuel tank
2	.....	Transfer—D4D On each side of seat
1	.....	Transfer—Filter Instructions On oil filter cover
1	.....	Transfer—Fuel Oil Capacity Even with filler and six inches to left
1	.....	Transfer—Generator Instructions On generator body in a visible position
1	.....	Transfer—Safety Below dash
1	.....	Transfer—Series D On back of fuel tank
1	.....	Transfer—Instructions On starting engine breather
2	5H8460	Transfer—CATERPILLAR On each side of hood
1	5H9852	Transfer—CATERPILLAR On front of radiator guard
2	7H6814	Transfer—CAT On each side of seat
1	7M8856	Transfer—CATERPILLAR On back of fuel tank

NAME PLATES AND TRANSFERS

ONLY "CATERPILLAR" PARTS GIVE "CATERPILLAR" PERFORMANCE

SPECIFICATIONS

(SUBJECT TO CHANGE WITHOUT NOTICE)

Weight, dry (approximate) 12,700 lbs.

DIMENSIONS

Length	10' 11 $\frac{3}{4}$ "
Height	5' 9 $\frac{3}{8}$ "
Width	6' 6 $\frac{1}{8}$ "
Gauge (center to center tracks).....	60"
Ground clearance	14"
Drawbar height	17 $\frac{1}{4}$ "

CAPACITIES

Cooling System	8 U.S. Gal.
Crankcase, lubricating oil.....	3 $\frac{7}{8}$ U.S. Gal.
Transmission, lubricating oil.....	7 U.S. Gal.
Flywheel Clutch	2 $\frac{1}{8}$ U.S. Gal.
Final Drive, lubricating oil, each side.....	2 $\frac{1}{2}$ U.S. Gal.
Fuel Tank	42 U.S. Gal.

ATTACHMENTS

Additional equipment such as Bumpers, Crankcase & Brush Guards, Hydraulic Controls, Lighting System, Cabs, etc., are available at extra cost. Consult your "Caterpillar" Dealer.

MACHINE SERIAL NUMBER PLATE LOCATION

Serial number plates are located on the back of the transmission case and on the left-hand side of the cylinder block.