

PERKINS PARTS BOOK

GENERATED ON ENGINE SERIAL #
ED70058U630095P

ED70058
4.108 (M)

ED70058
2011/10/14

BUILD LIST NO.
DATE THIS DOCUMENT ORDERED

P = BUILT 1987

The information given within this parts book was correct at the time of printing and is subject to change without notice. Always refer to your local Perkins outlet for the latest information. Only fully trained personnel should carry out servicing of engines. Before working on any engine always refer to the correct user service and maintenance manual.

Always refer to your local Perkins outlet before purchasing any parts

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Introduction

The build list of your engine, found on the front page of this parts book, provides a unique reference to the components fitted to your engine; therefore this parts book is only applicable to this particular engine

Always quote your build list and engine serial number when contacting your Perkins outlet.

How to use your Parts Book

This parts book has been designed to provide you with all the information you need to identify parts to service your engine. There are several features within the book to make it easy to find the parts you require.

Front Page

This lists your build list number and the date of publication of this book

Symbol Descriptions

Provides a quick reference guide to the symbols used within the book.

Engine Breakdown

Use this to identify all the major sections of your engine and the relevant pages within the book.

Parts Lists & Illustrations

This section shows each major section of your engine broken down into individual part numbers along with an associated illustration for identifying the parts you require.

The illustrations used in this parts book are representational only and should only be used for identification purposes.

For fitting instructions please refer to your engine Service Manual.

Parts Index

Using either the part number or description of the part you require this section will help you locate the page within the **Parts Lists & Illustrations** section where the part appears.

Engine Breakdown

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Engine Breakdown

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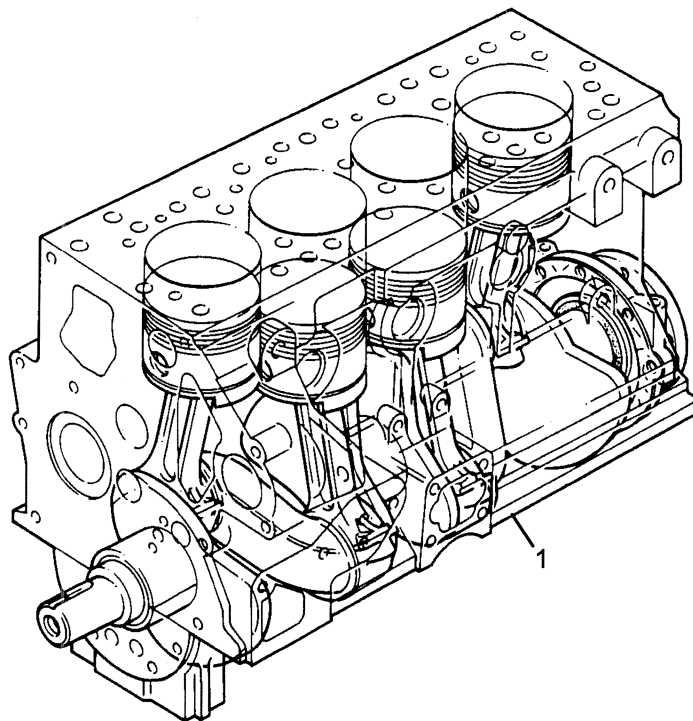
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Engine Breakdown

Symbols and Notes

Symbol	Description
	From Engine Number
	Upto Engine Number
	Repairs and Replaces
	See Appropriate Section - Reference Number
	Alternative
	Order
	Remanufactured Part
	New for Old Part
	Number of Teeth
	Thickness
	Bottom
	Top
	Left Hand
	Right Hand
	Reference for Detailed Breakdown
	Other Service Options Available
	Cylinder Number
	See History Section

ACEE9001

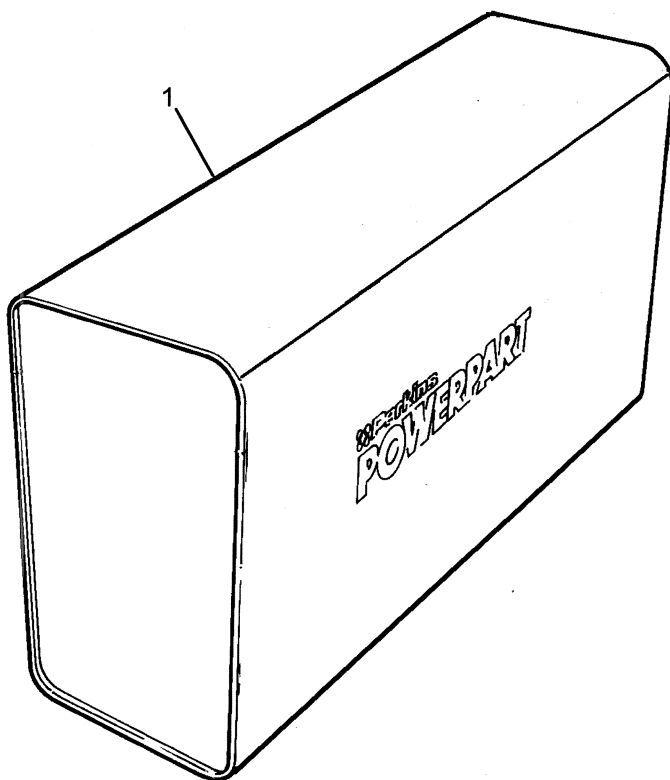


Short Engine		Plate A
		ACEE9001

Item	Part No.	References	Qty.	Description	Notes
1	ED39001		1	SHORT ENGINE - ASSEMBLY	(A)
2	—		1	CYLINDER BLOCK	(B)
2	—		4	LINER	
2	—		1	CRANKSHAFT	
2	—		1	BEARING KIT	
2	—		4	PISTON	
2	—		4	PISTON RING KIT	
2	—		4	CONROD	
2	—		1	BEARING KIT	
2	—		4	THRUST WASHER	
2	—		1	SEAL	
2	—		1	HOUSING	

Footnotes	
(A)	ROPE SEAL
(B)	COMPLETE WITH PLUGS

ACUE9202



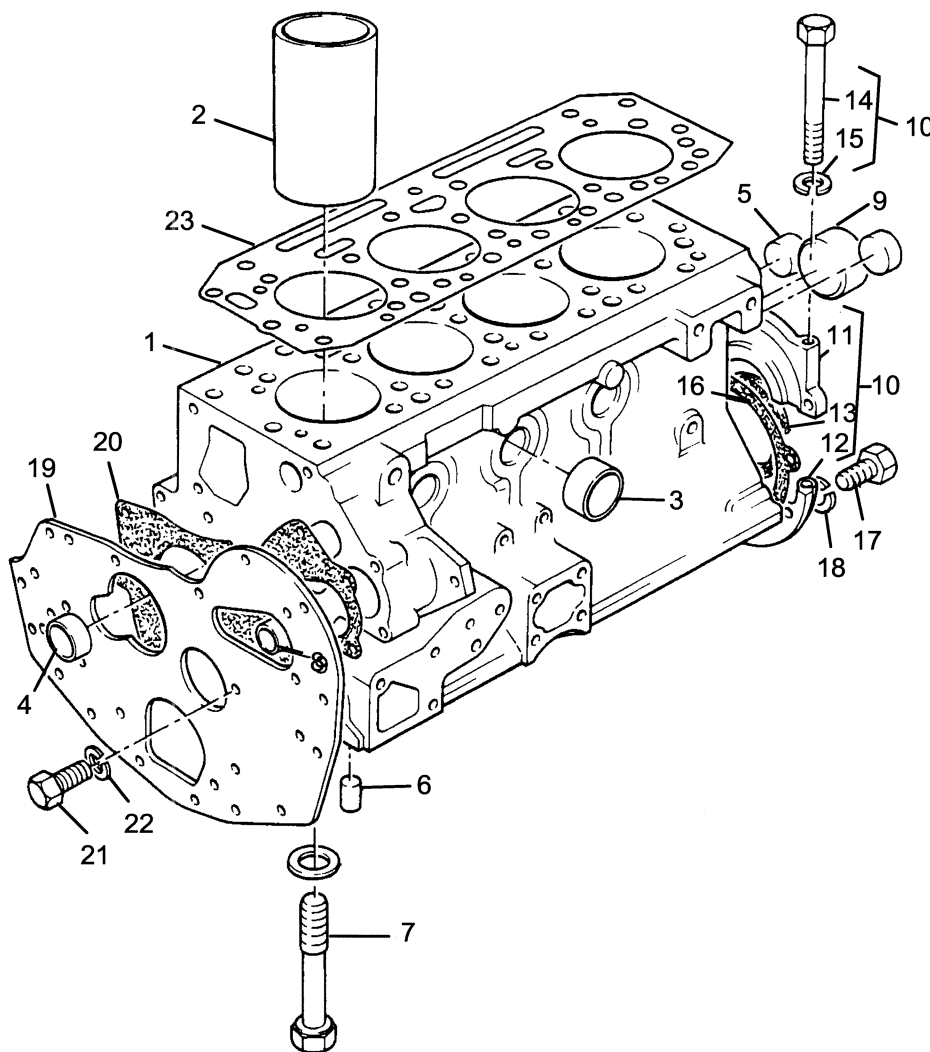
Kit, Engine Overhaul		Plate A
		ACUE9202

Item	Part No.	References	Qty.	Description	Notes
1	U5MK9202		1	ENGINE OVERHAUL KIT	(A)
2	—68383		4	PISTON KIT	(B)
3	—41158087		4	PISTON RING KIT	
4	—31358117		4	LINER - PRESS FIT	
5	—84992		1	MAIN BEARING KIT	
6	—0921120		2	THRUST WASHER	
7	—0921118		2	THRUST WASHER	
8	—85037		1	BIG END BEARING KIT	
9	—31134145		4	SMALL END BUSH	
10	—0730098		1	SEAL - FRONT END OIL	
11	—36883107		2	SEAL - REAR END OIL	
12	—3313E001		4	GUIDE	
13	—33261723		4	VALVE GUIDE	
14	—0910064		4	INTAKE VALVE	
15	—0910061		4	EXHAUST VALVE	
16	—0640116		8	SEAL - VALVE STEM	
17	—2654403		1	OIL FILTER	
18	—26561117		1	FUEL FILTER KIT	
19	—41314089		1	OIL PUMP	
20	—85786		1	JOINT AND GASKET KIT	
21	—U5LB0013		1	JOINT AND GASKET KIT	
22	—0920113		4	WASHER	
23	—33811112		2	OLIVE	
24	—33811113		4	OLIVE	
25	—33811115		2	OLIVE	
26	—0921176		8	WASHER	
27	—0566003		2	OLIVE	

Footnotes	
(A)	COMPONENT PARTS NOT ILLUSTRATED
(B)	PRE-TOPPED

● ACHE0030

ACHE0067



Cylinder Block		Plate A
● ACHE0030		ACHE0067

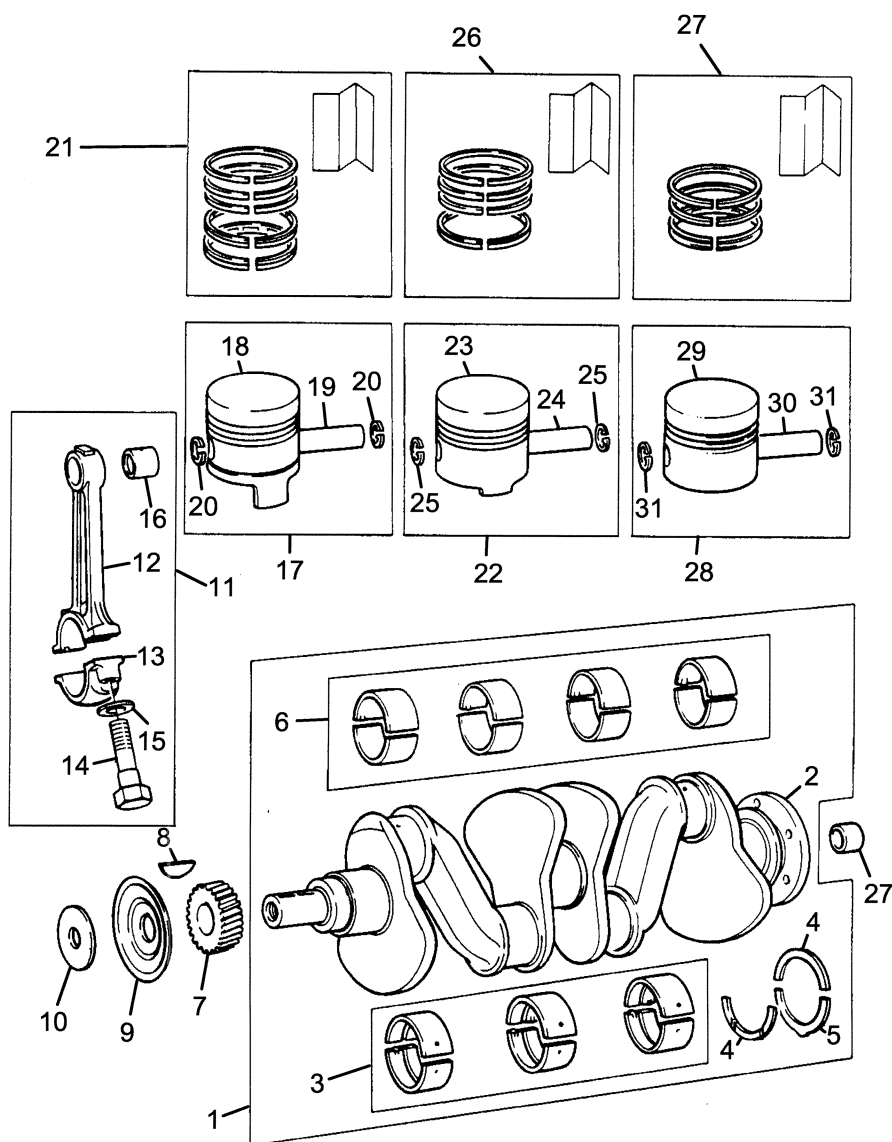
Item	Part No.	References	Qty.	Description	Notes
1	ZZ50088	● ZZ50034	1	CYLINDER BLOCK KIT	
2	└ 31358117	□ b.	4	LINER - PRESS FIT	(A)
3	└ 0650563	□ b.	3	PLUG	
4	└ 0650710		2	PLUG	
5	└ 0650664	□ b.	1	PLUG	
6	└ 0350014		6	DOWEL	
7	└ 32166216		6	SCREW	
8	0650717		2	PLUG	
9	0650777		1	PLUG	
10	ZZ90043	● 90990	1	HOUSING KIT	
11	└	⇒ REF.11	1	HOUSING	
12	└	⇒ REF.11	1	HOUSING	
13	└ 36883115	□ a.	2	SEAL - REAR END OIL	
14	└ 0096238		2	BOLT	
15	└ 0920053		2	WASHER	
16	36826114		1	GASKET - REOS HOUSING	
17	0746259		6	SCREW	
18	0920053		6	WASHER	
19	36256717		1	PLATE	
20	0490740		1	GASKET	
21	0746254		4	SCREW	
22	0920053		4	WASHER	
23	36812134		1	GASKET	

History					
a.					
13	└ 36883107		2	SEAL - REAR END OIL	
b. General History Section					
2	└ 31358124	≡ (+)0.010" ≡ (+)0.25MM	X	LINER - OVERSIZE	(A) 0.010"0,25MM
3	└ 0650710		3	PLUG	
5	└ 0650692		1	PLUG	

Footnotes	
(A)	PRESS FIT

● ACHE0030

ACHE0067



Crankshaft, Pistons & Connecting Rods

Plate A

● ACHE0030

ACHE0067

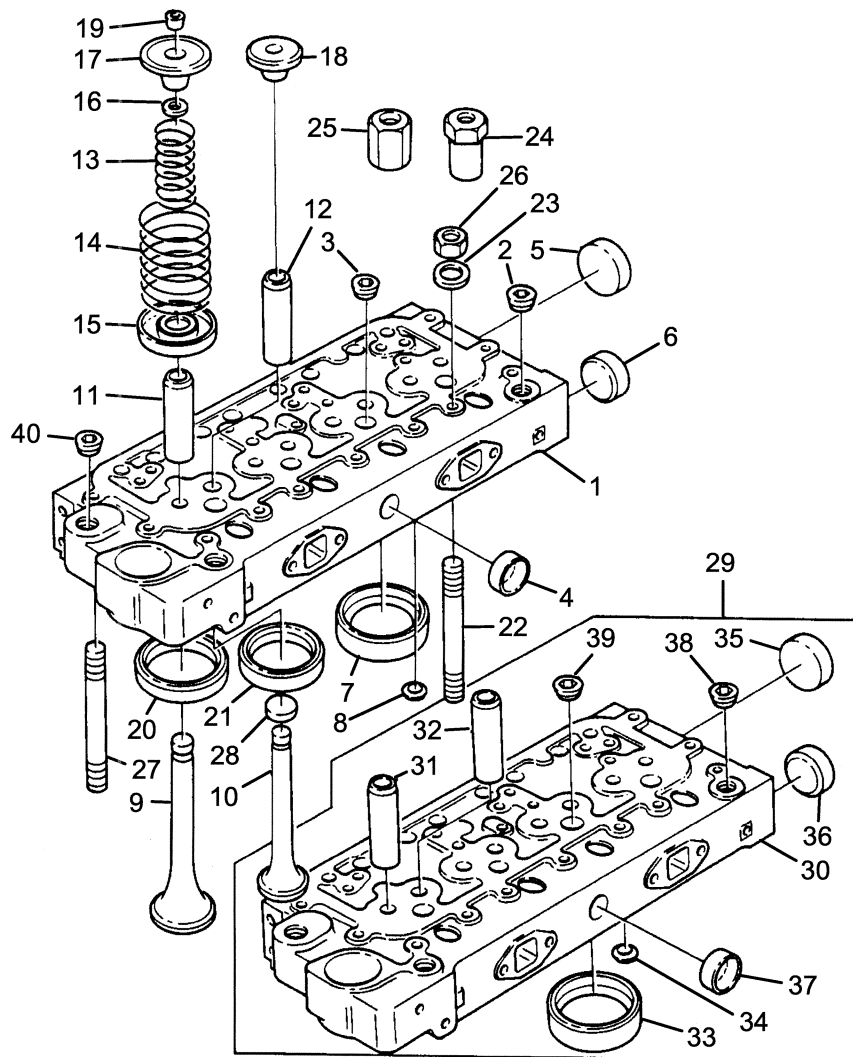
Item	Part No.	References	Qty.	Description	Notes
1	ZZ90124	● U5BG0056 ● 84418	1	CRANKSHAFT KIT	
2		⇒ REF.1	1	CRANKSHAFT	
3	84992		1	MAIN BEARING KIT	(A)
3	84992A	≡ (-)0.010"	X	MAIN BEARING KIT - U/S	(A)
3	84992B	≡ (-)0.020"	X	MAIN BEARING KIT - U/S	(A)
3	84992C	≡ (-)0.030"	X	MAIN BEARING KIT - U/S	(A)
4	0921120		2	THRUST WASHER	
4	0921120A	≡ (+)0.007"	X	WASHER	
5	0921118		1	THRUST WASHER	
5	0921118A	≡ (+)0.007"	X	WASHER	
6	85037		1	BIG END BEARING KIT	(A)
6	85037A	≡ (-)0.010"	X	BIG END BRG KIT - U/S	(A)
6	85037B	≡ (-)0.020"	X	BIG END BRG KIT - U/S	(A)
6	85037C	≡ (-)0.030"	X	BIG END BRG KIT - U/S	(A)
7	31171245		1	CRANKSHAFT GEAR	
8	0500006		1	WOODRUFF KEY	
9		⦿ KBHE	1	FLANGE	
11	ZZ90005	● 83417	4	CON ROD ASSEMBLY	
12		⇒ REF.11	1	ROD	
13		⇒ REF.11	1	CAP	
14	0095314		2	SCREW	
15	33115121		2	WASHER	
16	31134145		1	SMALL END BUSH	
17	68380		4	PISTON KIT	(B)
17	68383		4	PISTON KIT	(C)
18		⇒ REF.17	1	PISTON	
19		⇒ REF.17	1	PIN	
20	2721124		2	CIRCLIP	
21	41158087		4	PISTON RING KIT	

Footnotes

(A)	PRE-FINISHED
(B)	UNTOPPED
(C)	PRE-TOPPED

● ACHE0030

ACHE0067

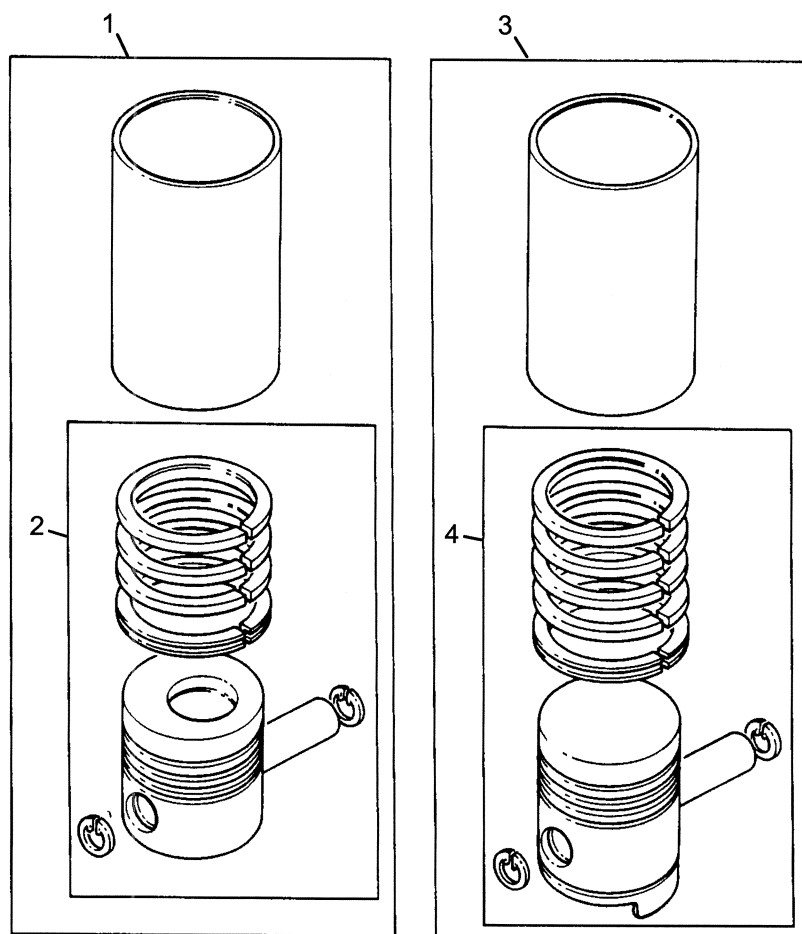


Cylinder Head		Plate A
● ACHE0030		ACHE0067

Item	Part No.	References	Qty.	Description	Notes
1	ZZ80146	● ZZ80085 ● 89196 ↻	1	CYLINDER HEAD KIT	(A)
2	2431154		3	PLUG	
3	2431A054	● 0650586	4	PLUG	
4	0650692		1	PLUG	
5	0650710		1	PLUG	
6	0650713		1	PLUG	
7	37443591		4	INSERT	
8	0921249		4	WASHER	
9	0910064		4	INTAKE VALVE	
10	0910061		4	EXHAUST VALVE	
11	3313E001		4	GUIDE	
12	33261723		4	VALVE GUIDE	
13	31744129		8	VALVE SPRING INNER	
14	31745118		8	VALVE SPRING OUTER	
15	0921117		8	SEAT	
16	0640116		4	SEAL - VALVE STEM	
17	0150143		4	CAP	
18	0150129		4	CAP	
19	0230001		8	VALVE COLLET	(B)
29	ZZ80143	● ZZ80043	1	CYLINDER HEAD KIT	(C)
30		⇒ REF 29	1	HEAD	
31	3313E001		4	GUIDE	
32	33261723		4	VALVE GUIDE	
33	37443591		4	INSERT	
34	0921249		4	WASHER	
35	0650713		1	PLUG	
36	0650710		1	PLUG	
37	0650692		1	PLUG	
38	2431154		3	PLUG	
39	2431A054	● 0650586	4	PLUG	
20	33124424		4	INSERT	
21	33123411		4	INSERT	
22	32524148		18	STUD	
23	33221317		12	NUT	
24	33531117		6	NUT	
26	33115411		18	WASHER	
Service Options					
1	ZZ80146P		1	CYLINDER HEAD KIT - EXCH	
Footnotes					
(A)	MAJOR ASSEMBLY-SEE ITEM 29 FOR MINOR ASSEMBLY				
(B)	SERVICED IN PAIRS				
(C)	MINOR ASSEMBLY				

● ACHE0030

ACHE0067



Crankshaft, Pistons & Connecting Rods		Plate B
● ACHE0030	ACHE0067	

Item	Part No.	References	Qty.	Description	Notes
3	U5MK0061		X	LINER KIT	
4	└68505		1	PISTON AND RING KIT	



Timing Gear & Camshaft

Plate A

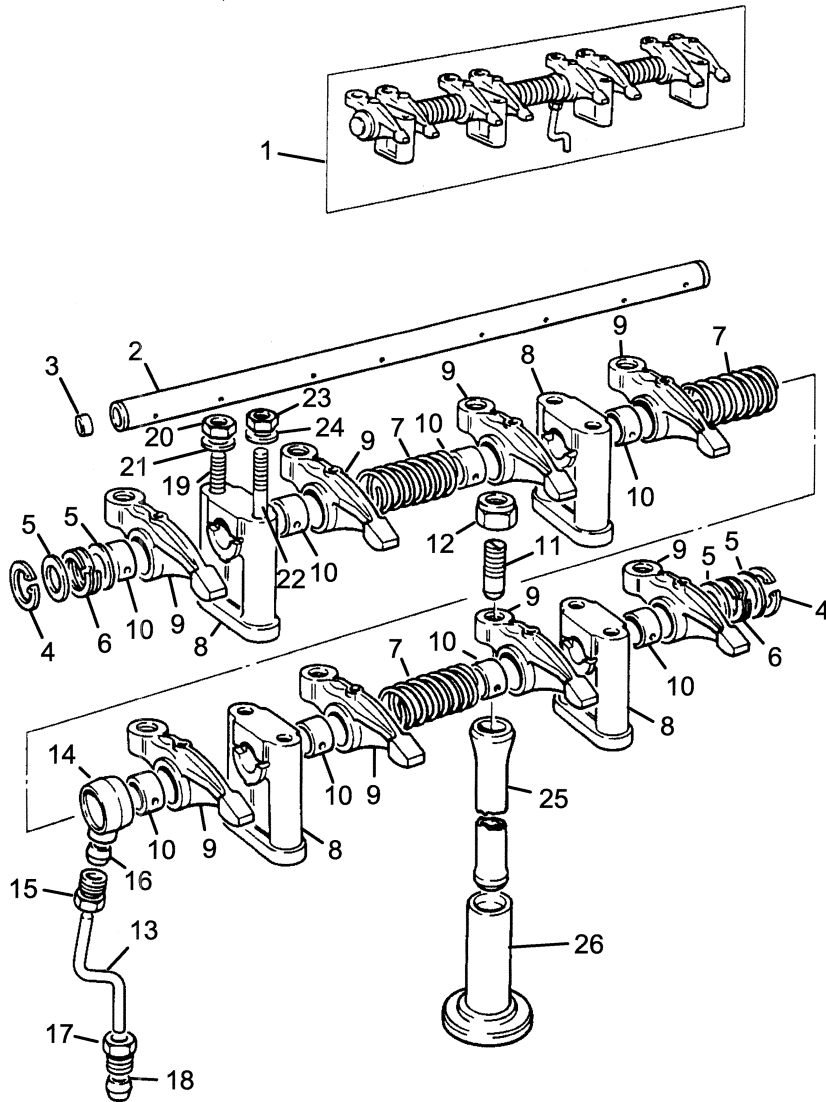
● ACHE0030

ACHE0067

Item	Part No.	References	Qty.	Description	Notes
1	31171541		1	CAMSHAFT GEAR	
2	0746255		3	SCREW	
3	0920053		3	WASHER	
4	31415303		1	CAMSHAFT	
5	36178509		2	THRUST PLATE	
6	2116053	● 0610844	1	DOWEL	
7	0700279		1	PUSHROD	
8	41115036		1	IDLER	
9	└	⇒ REF.8	1	BUSH	
10	33426516		1	HUB	
11	0941044		1	PLATE	
12	0746461		2	SCREW	
13	0921159		1	WASHER	
14	31171542		1	FUEL INJECTION PUMP GEAR	
15	0746355		3	SCREW	
16	0920003		3	WASHER	
17	0920053		3	WASHER	
18	33472496		1	HUB	
20	2724436		1	CIRCLIP	
21	41425781		1	HOUSING	
22	└2511447		2	IDLER GEAR BUSH	
23	37161105		1	CASE	
24	0730098		1	SEAL - FRONT END OIL	
25	36813145		1	GASKET - TIMING CASE	
26	0826201		1	STUD	
27	0576002		1	NUT	
28	36151505		1	WASHER	
29	0920053		1	WASHER	
30	0746255		8	SCREW	
31	36151505		6	WASHER	
32	0920003		1	WASHER	
33	0920053		8	WASHER	
34	0746052		4	BOLT	
35	0576001		4	NUT	
36	36151506		3	WASHER	
37	0920052		4	WASHER	

● ACHE0030

ACHE0067

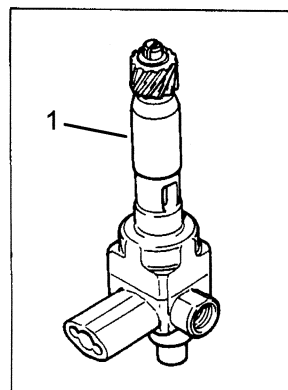
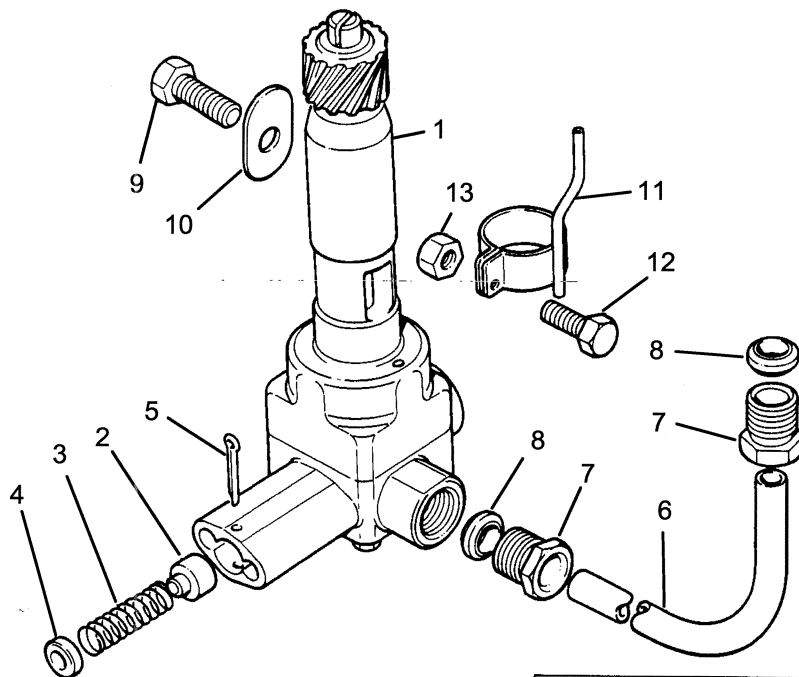


Rocker Shaft		Plate A
● ACHE0030		ACHE0067

Item	Part No.	References	Qty.	Description	Notes
1	ZZ90052	● 93005	1	ROCKER SHAFT ASSEMBLY	
2	—ZZ90048	● 55286	1	ROCKER SHAFT ASSY - MINOR	
3	—└0650507		2	PLUG	
4	—0170033		2	CIRCLIP	
5	—0920485		4	WASHER	
6	—0921122		2	WASHER	
7	—0780261		3	ROCKER SHAFT SPRING	
8	—0102202		4	BRACKET	
9	—41151472		8	LEVER	
10	—└0050132		1	ROCKER ARM BUSH	
11	—0720790		8	SCREW	
12	—0576151		8	NUT	
13	—34414122		1	OIL PIPE	
14	—0201318		1	CONNECTION	
15	—0571351		1	NUT	
16	—0566002		1	OLIVE	
17	0571351		1	NUT	
18	0566002		1	OLIVE	
19	0826250		6	STUD	
20	2211223		6	NUT	
21	0920003		6	WASHER	
22	0825219		2	STUD	
23	2211223		2	NUT	
24	0920003		2	WASHER	
25	31434306		8	ROD	
26	31434152		8	TAPPET	

● ACHE0030

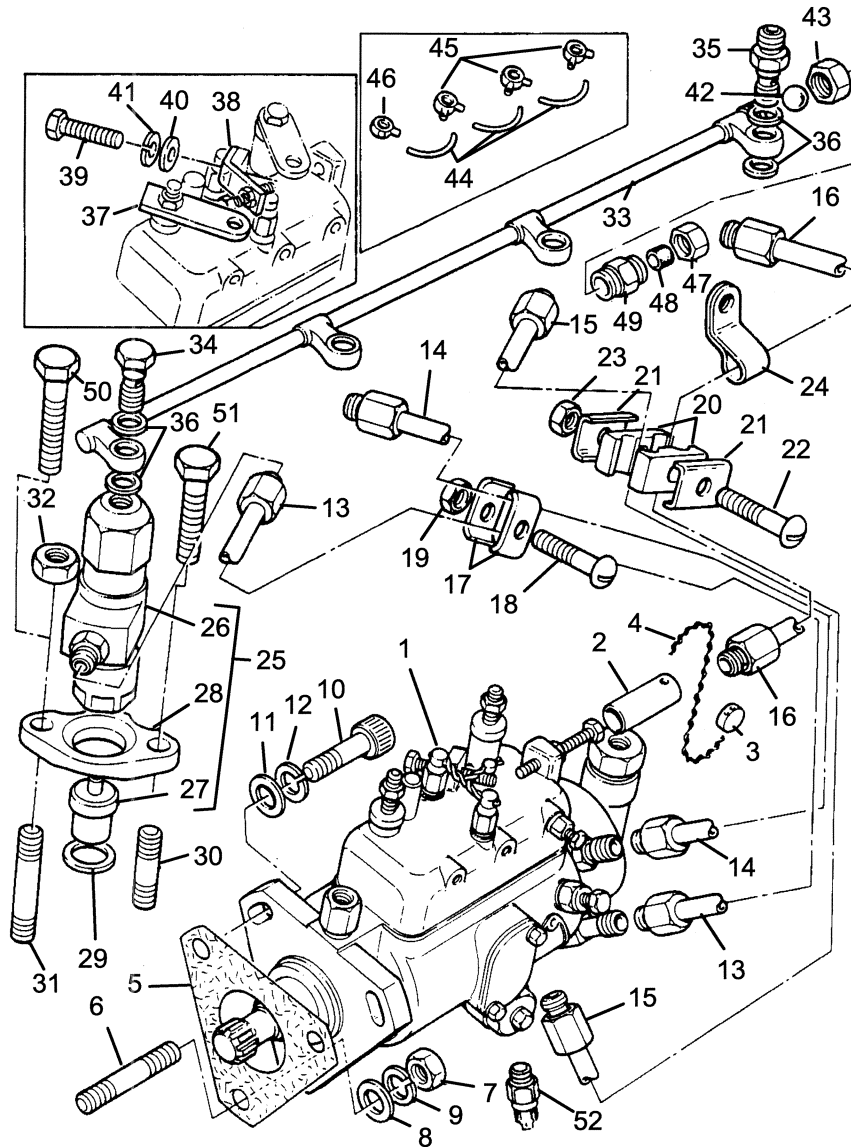
ACHE0067



Lubricating Oil Pump & Delivery Housing		Plate A
●∞ ACHE0030		ACHE0067

Item	Part No.	References	Qty.	Description	Notes
1	41314089		1	OIL PUMP	
2	—32712715		1	PLUNGER	
3	—31742128		1	SPRING	
4	—33157122		1	CAP	
5	—0610011		1	PIN	
6	0623293		1	OIL PIPE	
7	0571352		2	NUT	
8	0566007		2	OLIVE	
9	0746201		1	SCREW	
10	36151507		1	WASHER	

AFHE0856

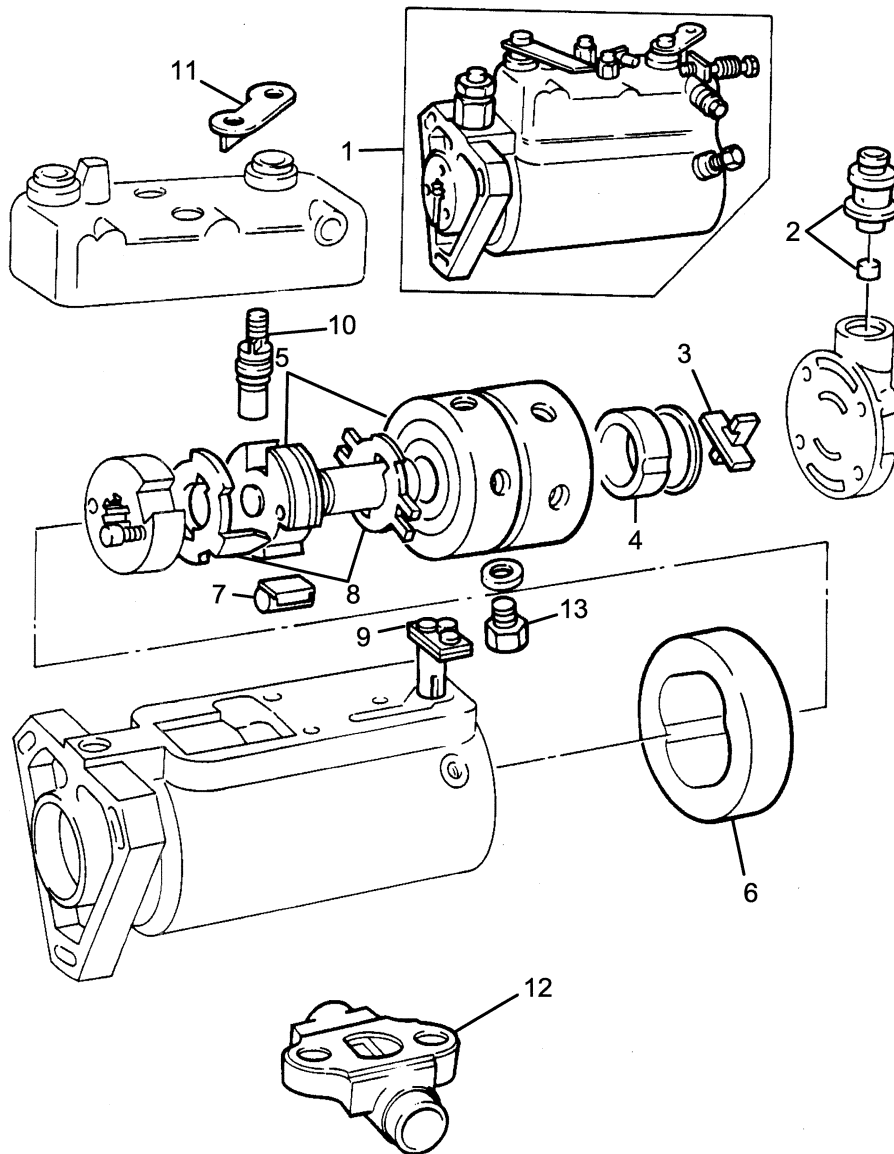


Fuel Injection Equipment (Diesel)		Plate A
		AFHE0856

Item	Part No.	References	Qty.	Description	Notes
1	37880		1	FUEL INJECTION PUMP	(A)
2	3281M002	 2644951	1	SLEEVE	
3	31718104		1	SEAL	
4	31718105		1	WIRE	
5	3687H012	 0490685	1	GASKET - FUEL INJ PUMP	
6	0826244		2	STUD	
7	0576002		2	NUT	
8	0920003		2	WASHER	
9	0920053		2	WASHER	
10	2172692		1	SCREW	
11	0920003		1	WASHER	
12	0920053		1	WASHER	
13	35343106		1	FUEL INJECTION PIPE	NO.1 CYL.
14	35343105		1	FUEL INJECTION PIPE	NO.2 CYL.
15	35343107		1	FUEL INJECTION PIPE	NO.3 CYL.
16	35343108		1	FUEL INJECTION PIPE	NO.4 CYL.
17	36516119	 0180637	4	CLIP	
18	0746054	 0726264	2	SCREW	
25	2645698	 2645C017	4	INJECTOR	
					
26	2645C309		1	HOLDER	(B)
26	2646522		1	HOLDER	(C)
27	2646724	 2645C616	1	INJECTOR NOZZLE	(B)
27	2646724		1	INJECTOR NOZZLE	(C)
28	36173452		1	FLANGE	(C)
29	0920113		4	WASHER	
33	3558X009	 U586463H	1	PIPE - LEAK OFF	
33	35587355	 U586462H	1	PIPE - LEAK OFF	
34	0095315		4	BANJO BOLT	
36	0921176		8	WASHER	
47	33225412	 U586463H	1	UNION NUT	
48	33811112	 U586463H	1	OLIVE	
49	0206102	 U586463H	1	UNION	
50	0746259	 0096233	4	SCREW	
		 0096232			
51	0746257	 0096201	4	SCREW	
Service Options					
1	37880R		1	FUEL INJ PUMP - EXCH	
25	2645698R		4	INJECTOR - EXCHANGE	

Footnotes	
(A)	FOR BREAKDOWN DETAILS SEE FOLLOWING PAGES
(B)	USED ONLY WITH 2645C017
(C)	USED ONLY WITH 2645698

AFHE0856

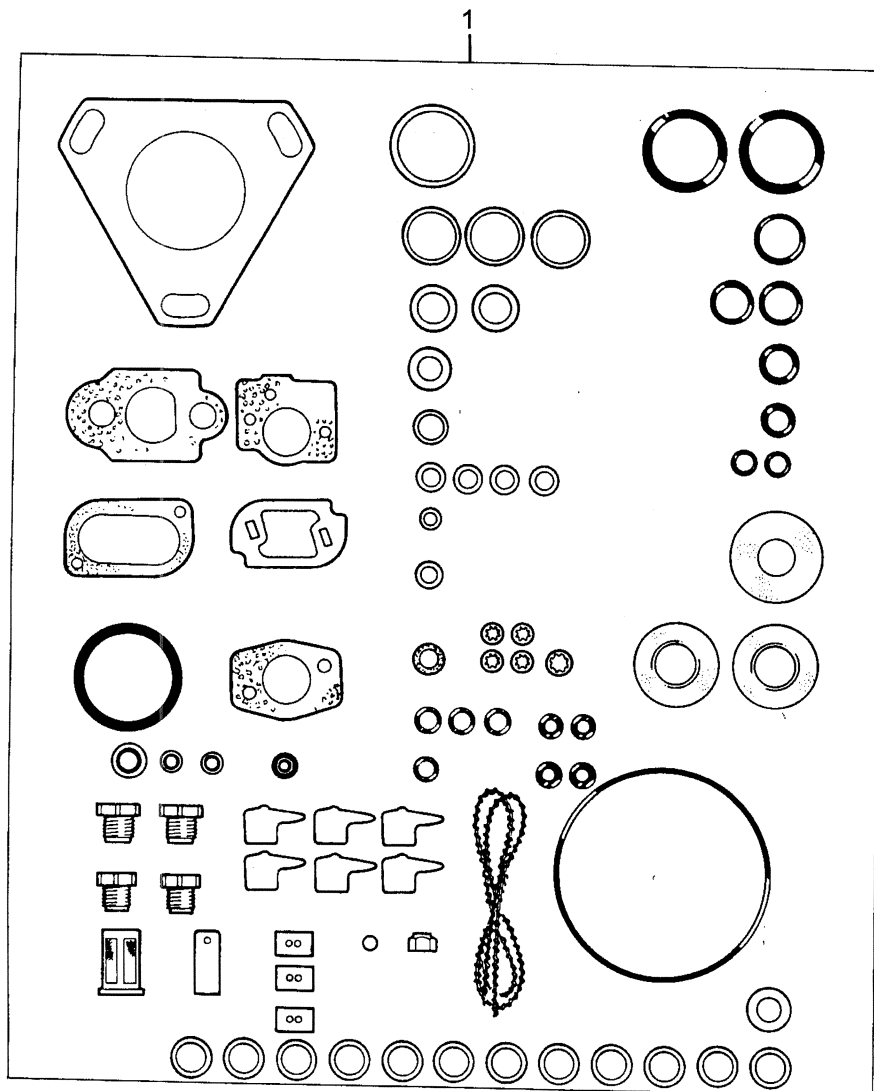


Fuel Injection Equipment (Diesel)		Plate E
		AFHE0856

Item	Part No.	References	Qty.	Description	Notes
1	37880		1	FUEL INJECTION PUMP	
2	—26431336		1	SLEEVE	
3	—26430171		1	BLADE	
4	—26430432		1	LINER - SLIP FIT	
5	—26430308		1	HEAD	
6	—26430702		1	RING	
7	—26430277		1	ROLLER KIT	
8	—26431016		1	PLATE	
9	—26430296		1	VALVE	(A)
9	—26430298		1	VALVE	(A)
10	—		1	PINION	(B)
11	—36537711		1	ARM	
12	—26430367		1	PISTON TIMING DEVICE	
Service Options					
1	37880R		1	FUEL INJ PUMP - EXCH	
Footnotes					
(A)	CHECK YOUR ENGINE SPECIFICATION BEFORE ORDERING				
(B)	NOT SERVICED.				

AFHE0856

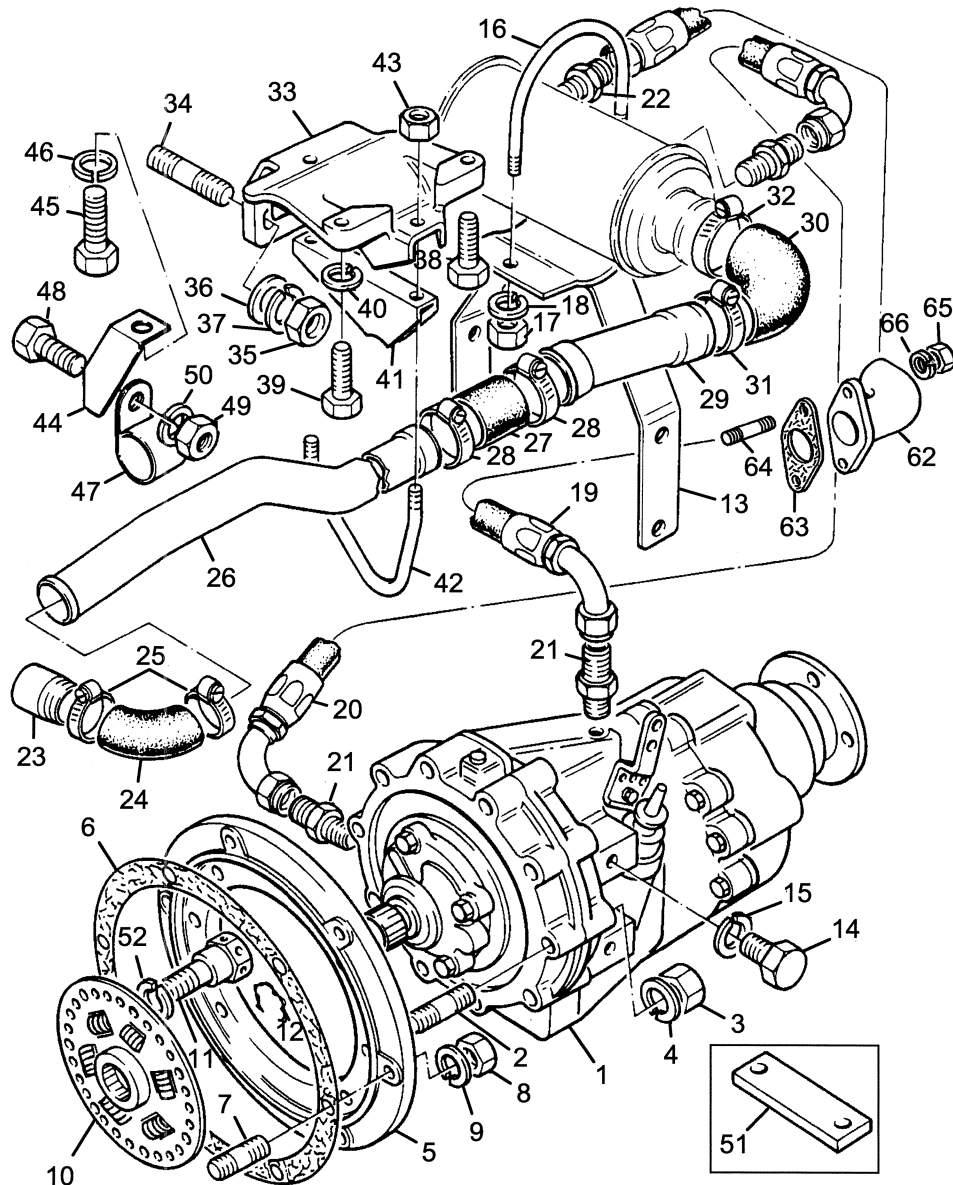
E9172 AFHE-002-G



Fuel Injection Equipment (Diesel)		Plate G
	AFHE0856	

Item	Part No.	References	Qty.	Description	Notes
1	U5MK0160		X	REPAIR KIT - FUEL INJ PUMP	

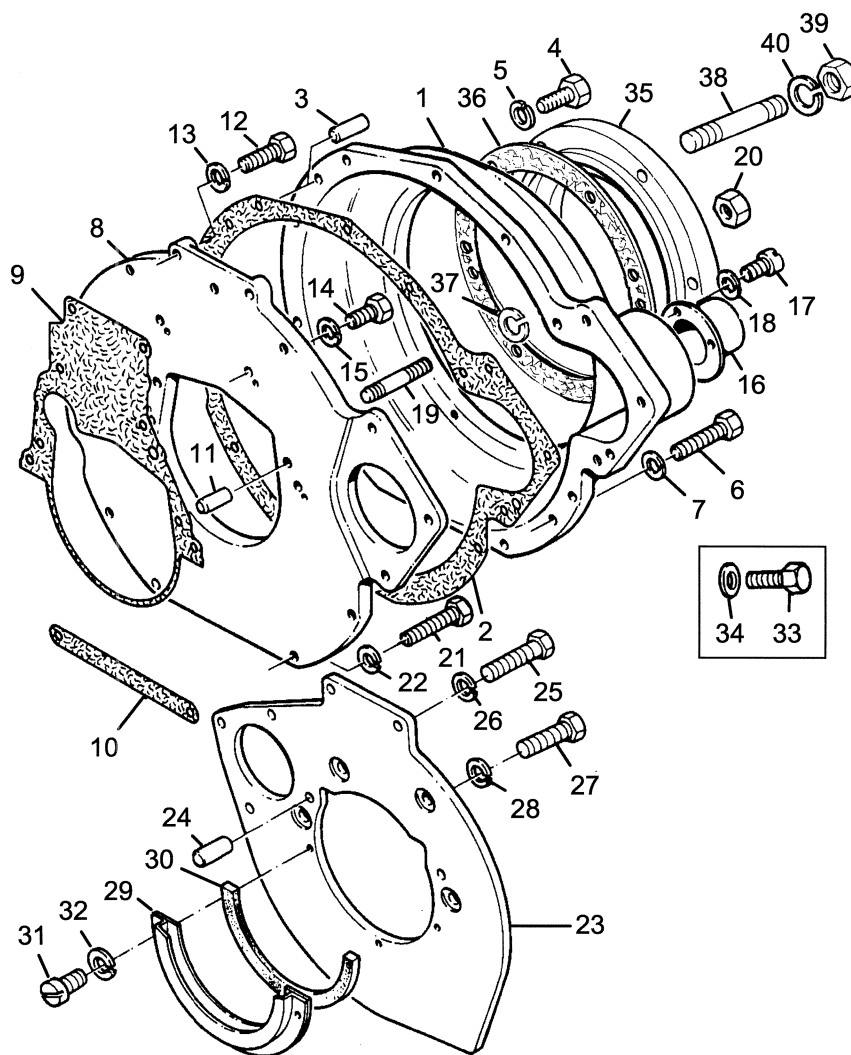
BDHE0388



PTO Clutch & Gearbox		Plate C
		BDHE0388

Item	Part No.	References	Qty.	Description	Notes
5	37147101		1	PLATE	
6	36826108		1	GASKET	
7	0827813		6	STUD	
8	0576051		6	NUT	
9	0920054		6	WASHER	

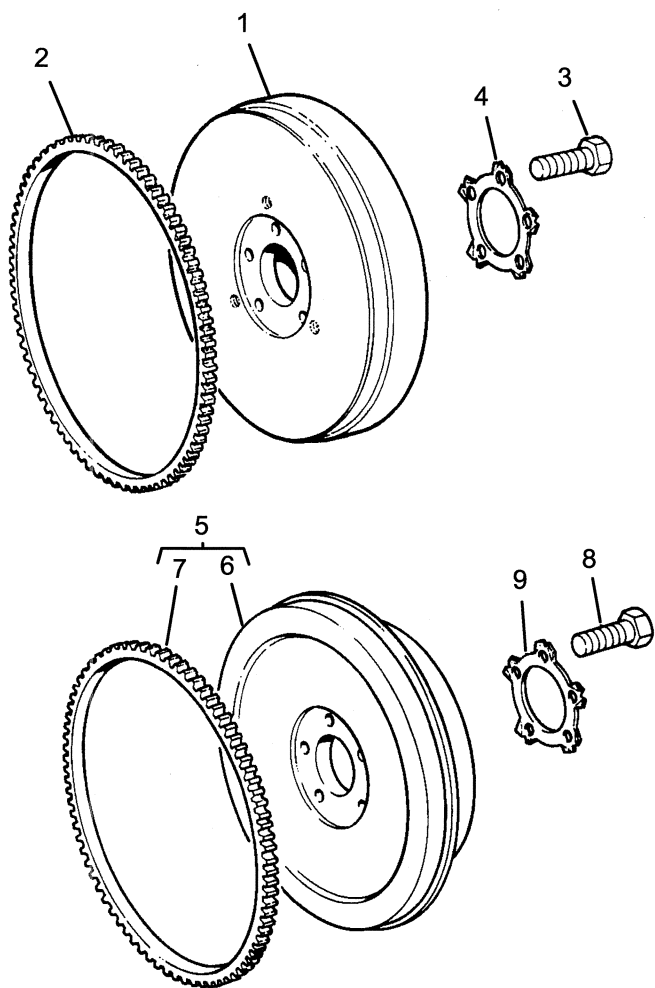
CDHE0473



Flywheel Housing		Plate B
		CDHE0473

Item	Part No.	References	Qty.	Description	Notes
1	37134261		1	FLYWHEEL HOUSING	
2	36826122		1	GASKET - FLYWHEEL HOUSING	
3	0350020		2	DOWEL	
4	0748524		7	SCREW	
5	0920054		7	WASHER	
6	0748527		2	SCREW	
7	0920054		2	WASHER	
8	37147021		1	PLATE	
9	36867115		1	GASKET - FLYWHEEL HOUSING	
10	36857107		1	GASKET - FLYWHEEL HOUSING	
11	0350018		2	DOWEL	
12	0746424		2	SCREW	
13	0920054		2	WASHER	
14	0746454		4	SETSCREW	
15	0920054		4	WASHER	
16	32728102		1	COVER	
17	2224037		3	SCREW	
18	0920051		3	WASHER	
33	0748521		6	SCREW	
34	0920155		6	WASHER	

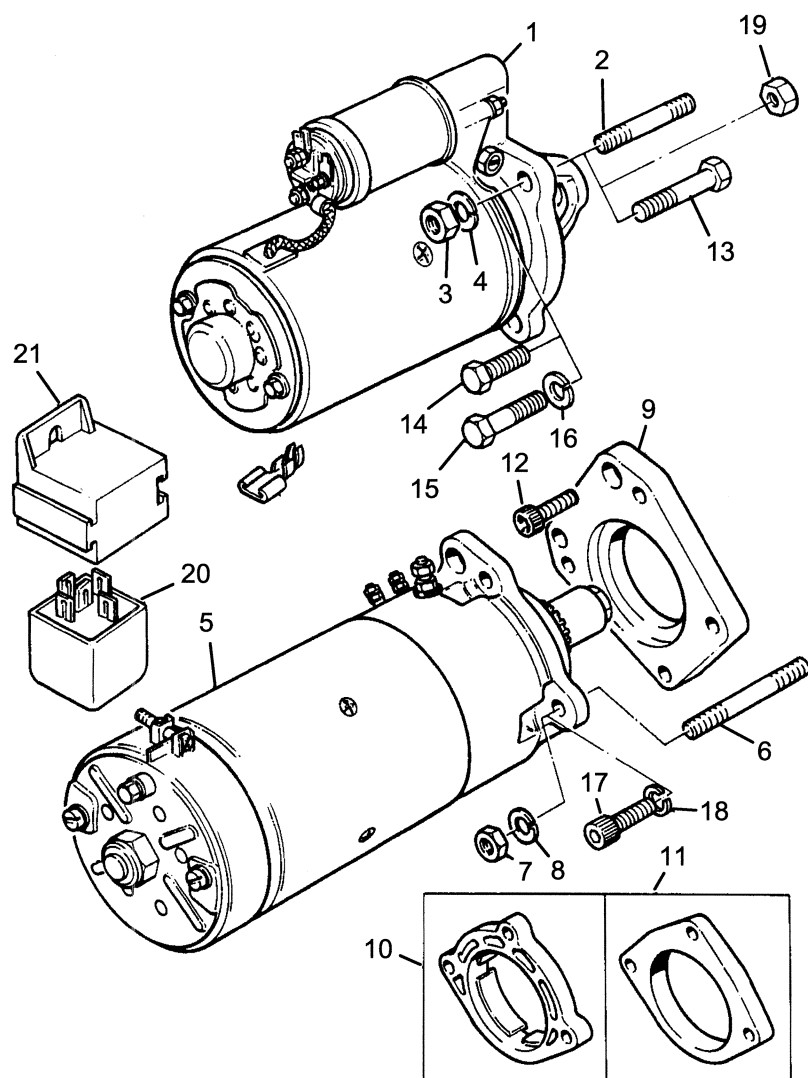
DDHE0378



Flywheel & Starter Ring		Plate A
		DDHE0378

Item	Part No.	References	Qty.	Description	Notes
1	41112793		1	FLYWHEEL	
2	└31161153		1	STARTER RING GEAR	
3	0745180		5	SCREW	
4	31734135		1	WASHER	

EDHE0599

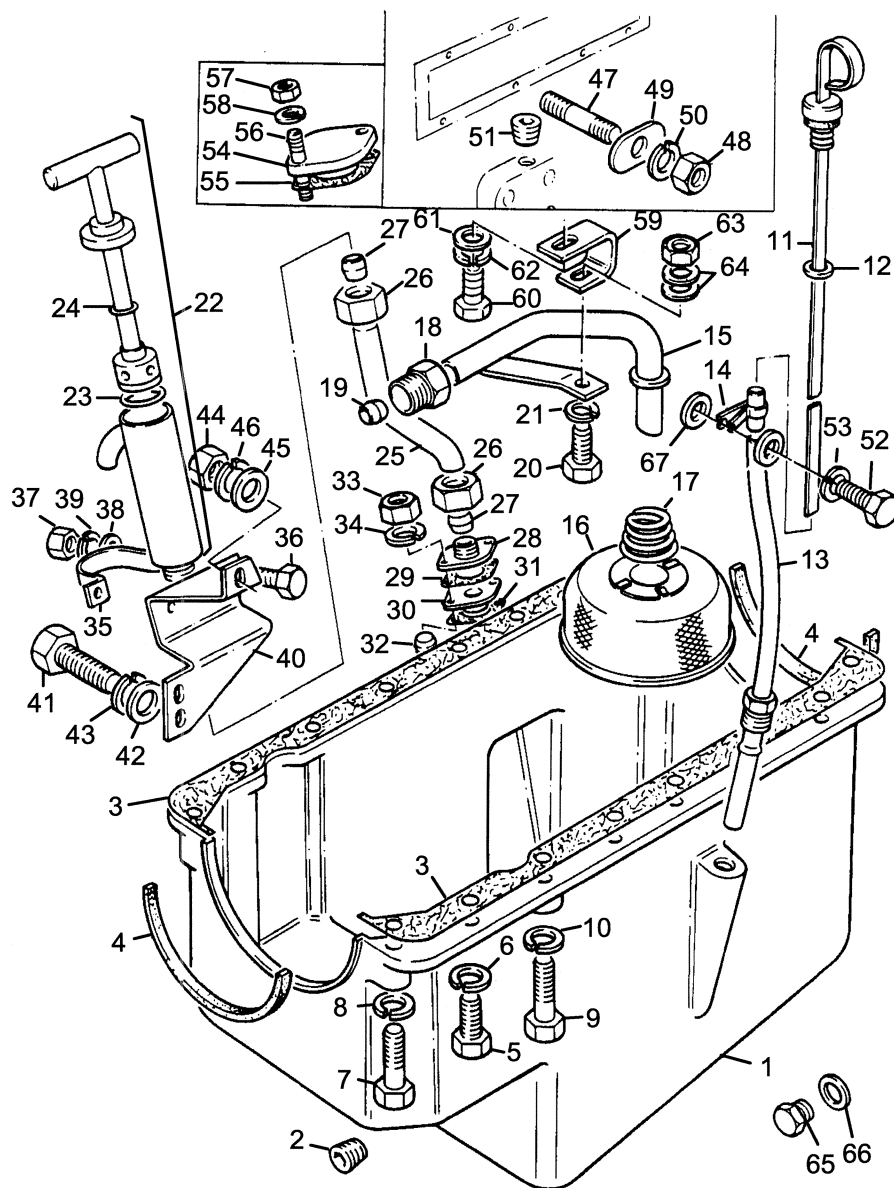


Starter Motor		Plate A
		EDHE0599

Item	Part No.	References	Qty.	Description	Notes
10	37513041		1	SPACER	
15	0096441		3	BOLT	
16	0920054		3	WASHER	
19	0576051		3	NUT	

→ U590370J

GBHE0549



Lubricating Oil Sump		Plate A
→ U590370J	GBHE0549	

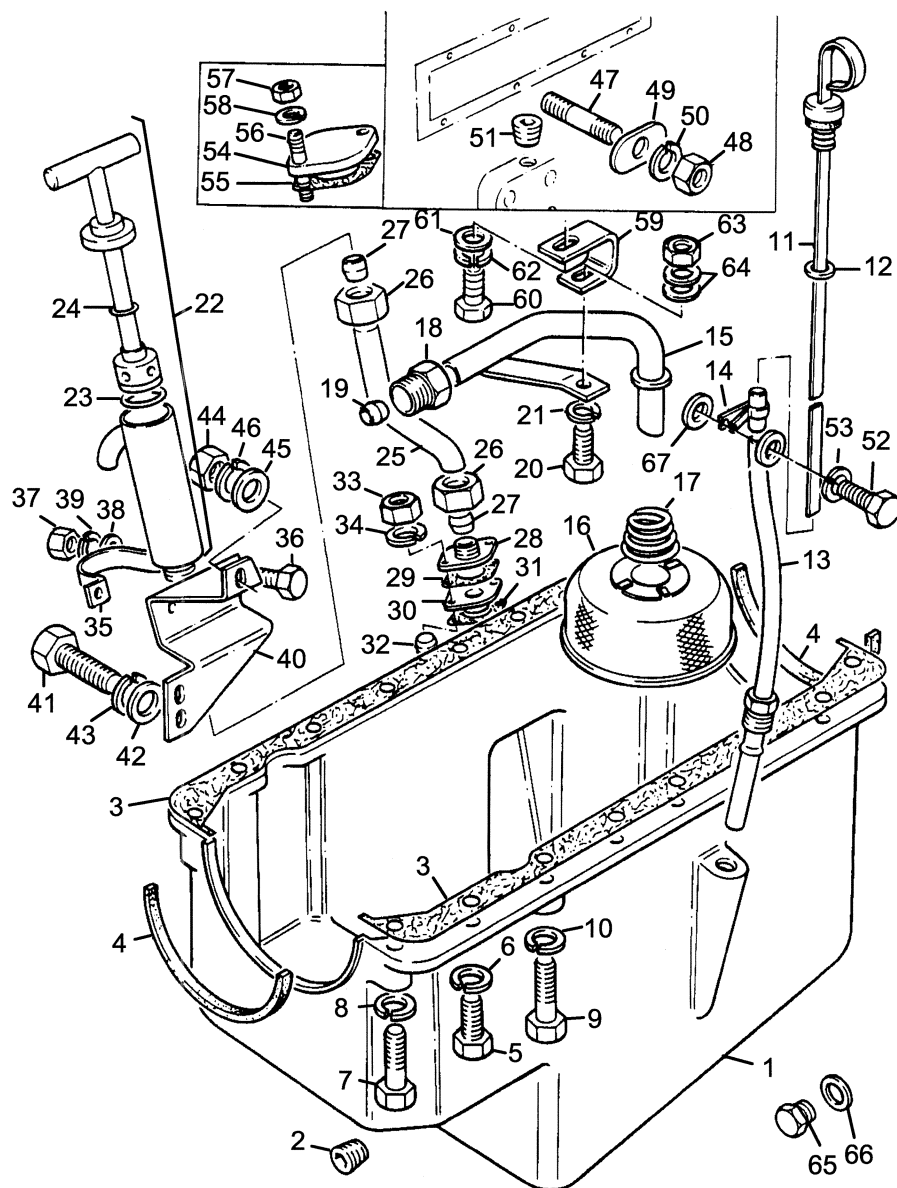
Item	Part No.	References	Qty.	Description	Notes
1	41811027		1	SUMP	
2	0650593		1	PLUG	
3	0999659		1	GASKET - SUMP	(A)
4	0490775		2	GASKET - SUMP	
5	0746255		11	SCREW	
6	0920053		11	WASHER	
7	0096236		4	BOLT	
8	0920053		4	WASHER	
9	0746260	● 0096233	1	SCREW	
10	0920053		1	WASHER	
11	31785439		1	DIPSTICK	
12	└ 0920022		1	WASHER	
13	3577F003		1	TUBE	
14	36568143	● 0180015	1	PIPE CLIP	
15	35737108		1	OIL PIPE	
16	37725448		1	STRAINER	
17	0746260	● 0096233	1	SCREW	
18	33532121		1	NUT	
19	0560244		1	OLIVE	
20	0746254		1	SCREW	
21	0920053		1	WASHER	
51	0726403		1	SCREW	
52	0746452		1	SETSCREW	
53	0920054		1	WASHER	
59	3651H002		1	BRACKET	
60	0746253		1	SCREW	
61	0920003		1	WASHER	
62	0920053		1	WASHER	
63	0576002		1	NUT	
64	0920003		2	WASHER	
68	0920004		1	WASHER	

Footnotes

(A) SERVICED IN PAIRS

→ U590371J

GBHE0819



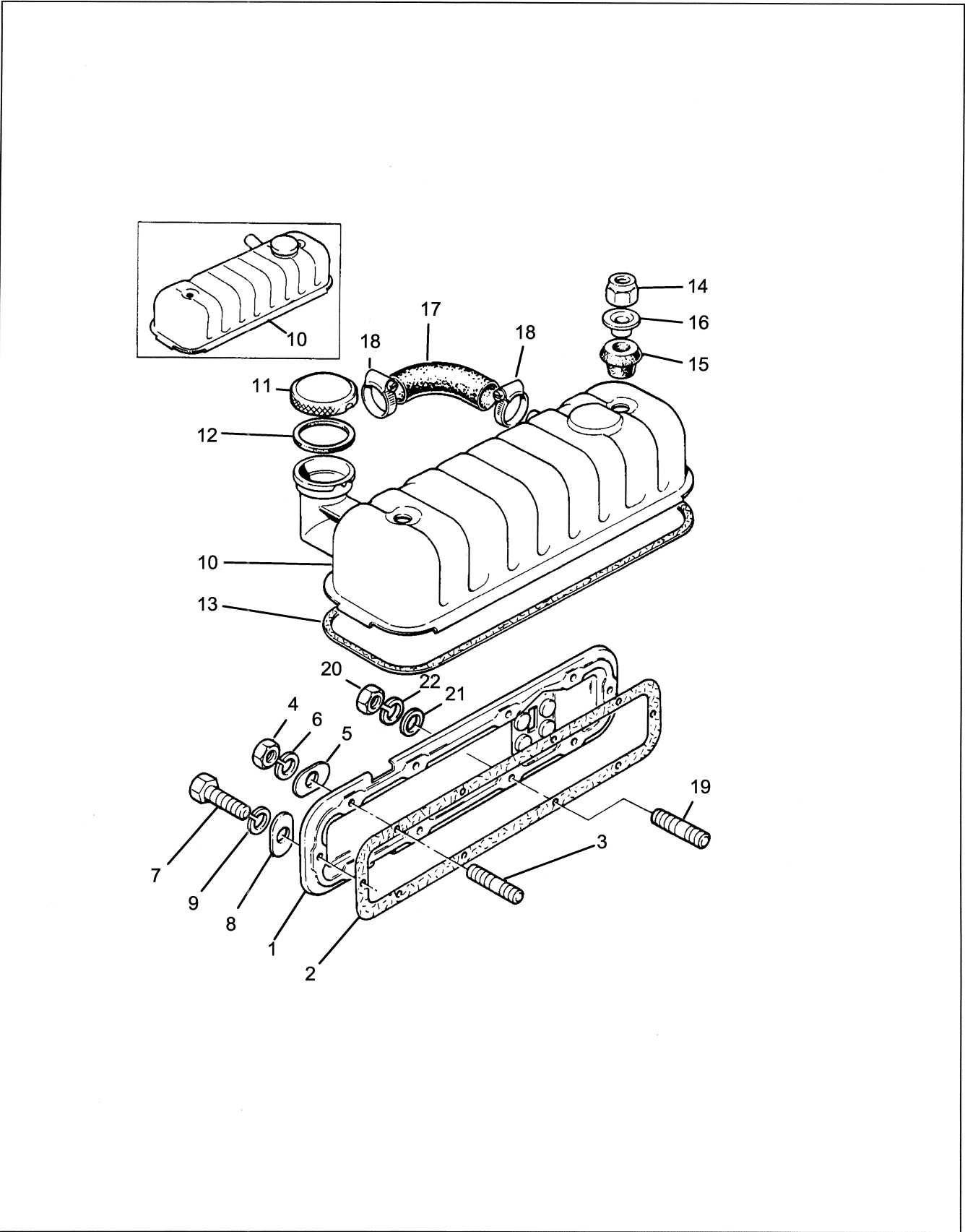
Lubricating Oil Sump		Plate A
↳ U590371J	GBHE0819	

Item	Part No.	References	Qty.	Description	Notes
1	41811027		1	SUMP	
2	0650593		1	PLUG	
3	0999659		1	GASKET - SUMP	(A)
4	0490775		2	GASKET - SUMP	
5	0746255		11	SCREW	
6	0920053		11	WASHER	
7	0096236		4	BOLT	
8	0920053		4	WASHER	
9	0746260	● 0096233	1	SCREW	
10	0920053		1	WASHER	
11	31785439		1	DIPSTICK	
12	└ 0920022		1	WASHER	
13	3577F003		1	TUBE	
14	36568143	● 0180015	1	PIPE CLIP	
15	35737108		1	OIL PIPE	
16	37725448		1	STRAINER	
17	0746260	● 0096233	1	SCREW	
18	33532121		1	NUT	
19	0560244		1	OLIVE	
20	0746254		1	SCREW	
21	0920053		1	WASHER	
51	0726403		1	SCREW	
52	0746556		1	SCREW	
53	0920054		1	WASHER	
59	3651H002		1	BRACKET	
60	0746253		1	SCREW	
61	0920003		1	WASHER	
62	0920053		1	WASHER	
63	0576002		1	NUT	
64	0920003		2	WASHER	
67	0920464		1	SPACER	
68	0920004		1	WASHER	

Footnotes

(A)	SERVICED IN PAIRS
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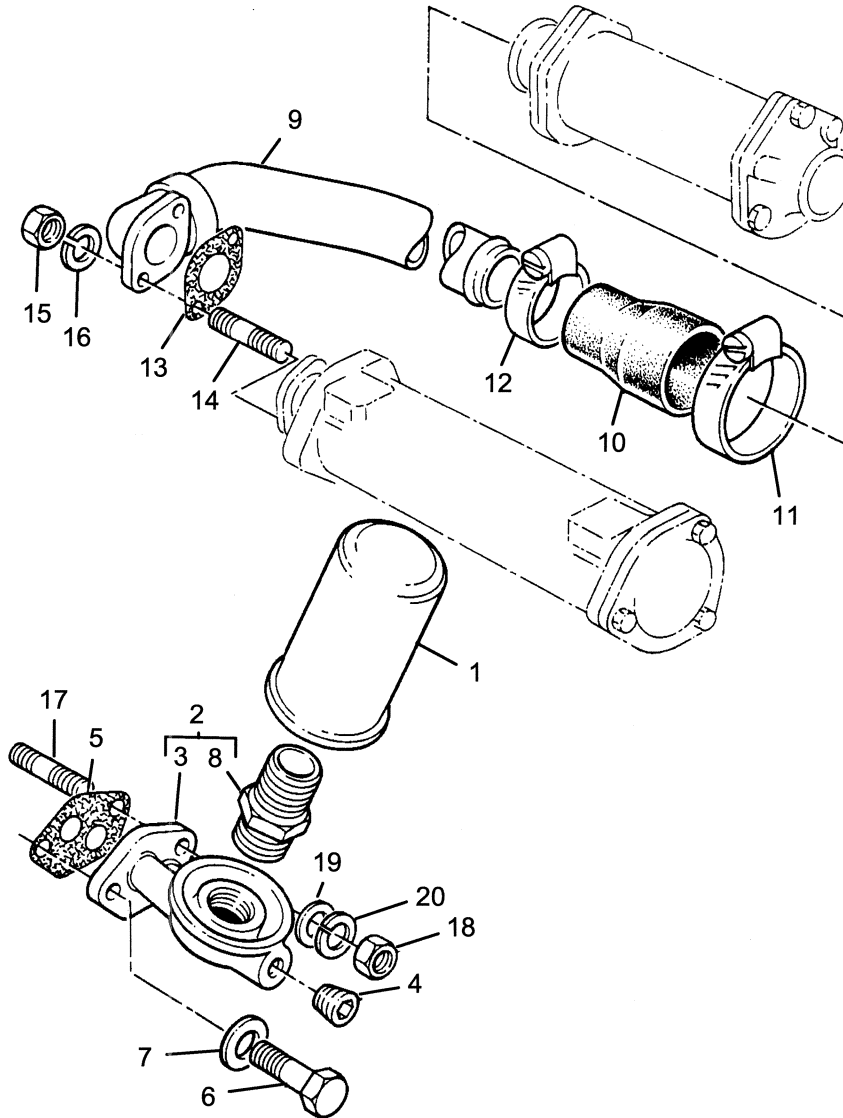
Lubricating Oil Filler & Breather		Plate B
	HBHE0595	



Lubricating Oil Filler & Breather
Plate B
HBHE0595

Item	Part No.	References	Qty.	Description	Notes
1	37554591		1	INSPECTION COVER	
2	36846412		1	GASKET	
3	0826249		8	STUD	
4	0576002		8	NUT	
5	36151505		8	WASHER	
6	0920053		8	WASHER	
7	0746254		2	SCREW	
8	36151505		2	WASHER	
9	0920053		2	WASHER	
10	37188145		1	CYLINDER HEAD COVER	
11	2487845		1	CAP	
12	└ 24870002		1	GASKET - OIL FILLER CAP	
13	0490724		1	GASKET - CYL. HEAD COVER	
14	0576102		2	NUT	
15	0730116		2	SEAL	
16	0921116		2	WASHER	
17	34821415		1	CONNECTION	
18	2481883		2	CLIP	

JBHE0445

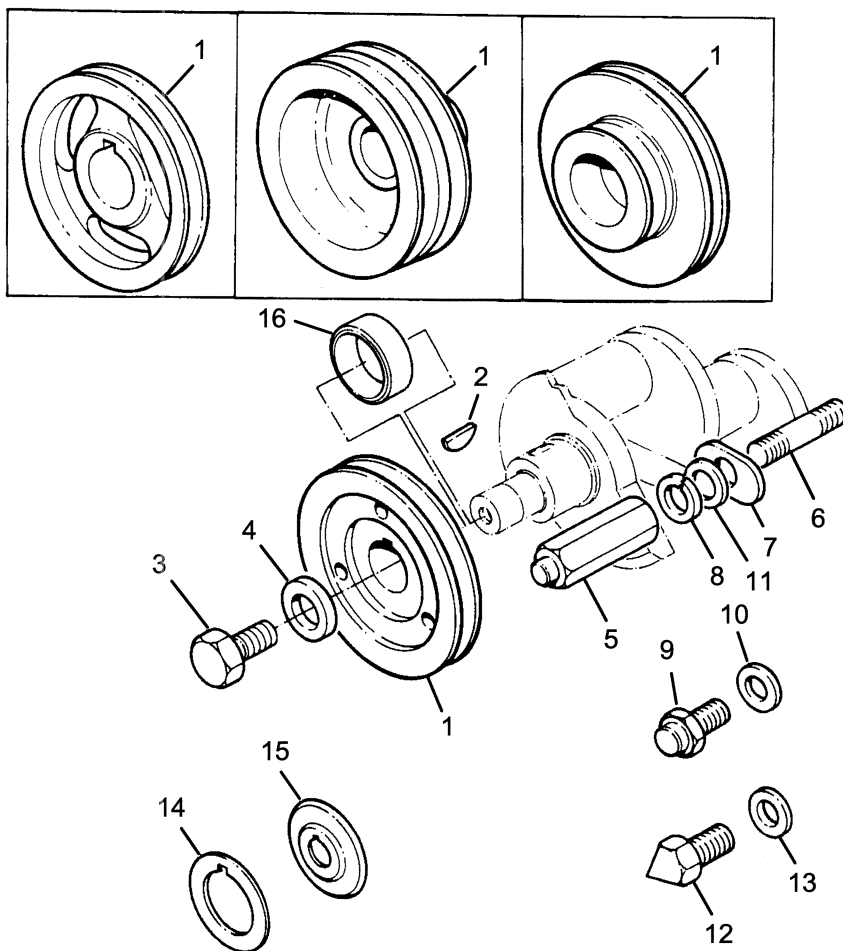


Lubricating Oil Filter & Integral Oil Cooler		Plate C
		JBHE0445

Item	Part No.	References	Qty.	Description	Notes
1	2654403		1	OIL FILTER	
2	41321035	●∞ 37764061	1	OIL FILTER HEAD	
3	└	⇒ REF.2	1	HEAD	
8	└└33514114		1	ADAPTOR	(A)
4	2431131		1	PLUG	
5	36862517		1	GASKET - OIL FILTER HEAD	
8	33555131		X	ADAPTOR	(B)
17	0826626		2	STUD	
18	0576054		2	NUT	
20	0920055		2	WASHER	

Footnotes	
(A)	USED WITH 41321035 ONLY
(B)	USED WITH 37764061 ONLY

KBHE0296

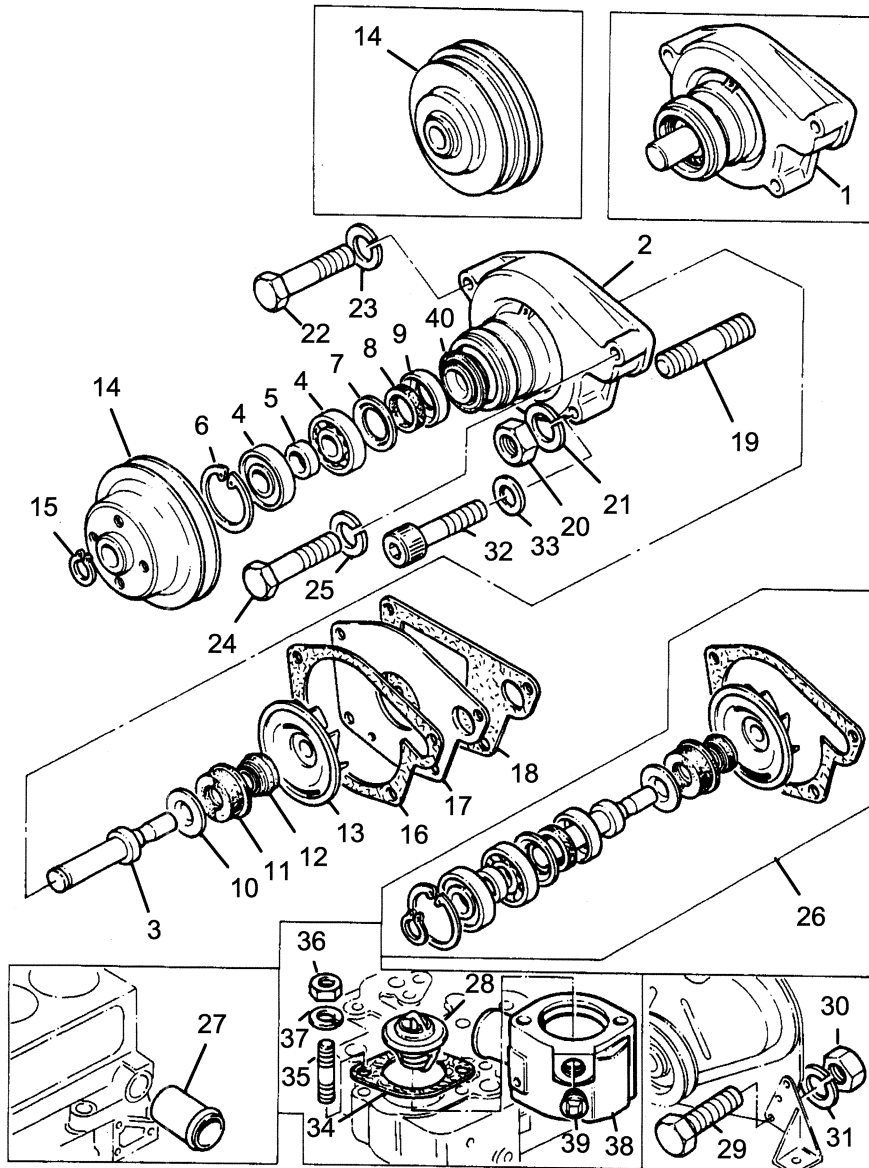


Front End Drive Input		Plate A
		KBHE0296

Item	Part No.	References	Qty.	Description	Notes
1	31147637		1	CRANKSHAFT PULLEY	
2	0500006		1	WOODRUFF KEY	
3	32162316		1	SCREW	
4	33124119		1	WASHER	
5	32726511		1	PIN	
6	0826248		1	STUD	
7	36151505		1	WASHER	
8	0920053		1	WASHER	
15	33474003		1	FLANGE	

→ U590370J

LBHE0833



Water Pump, Thermostat & Heat Exchanger
Plate A
→ U590370J
LBHE0833

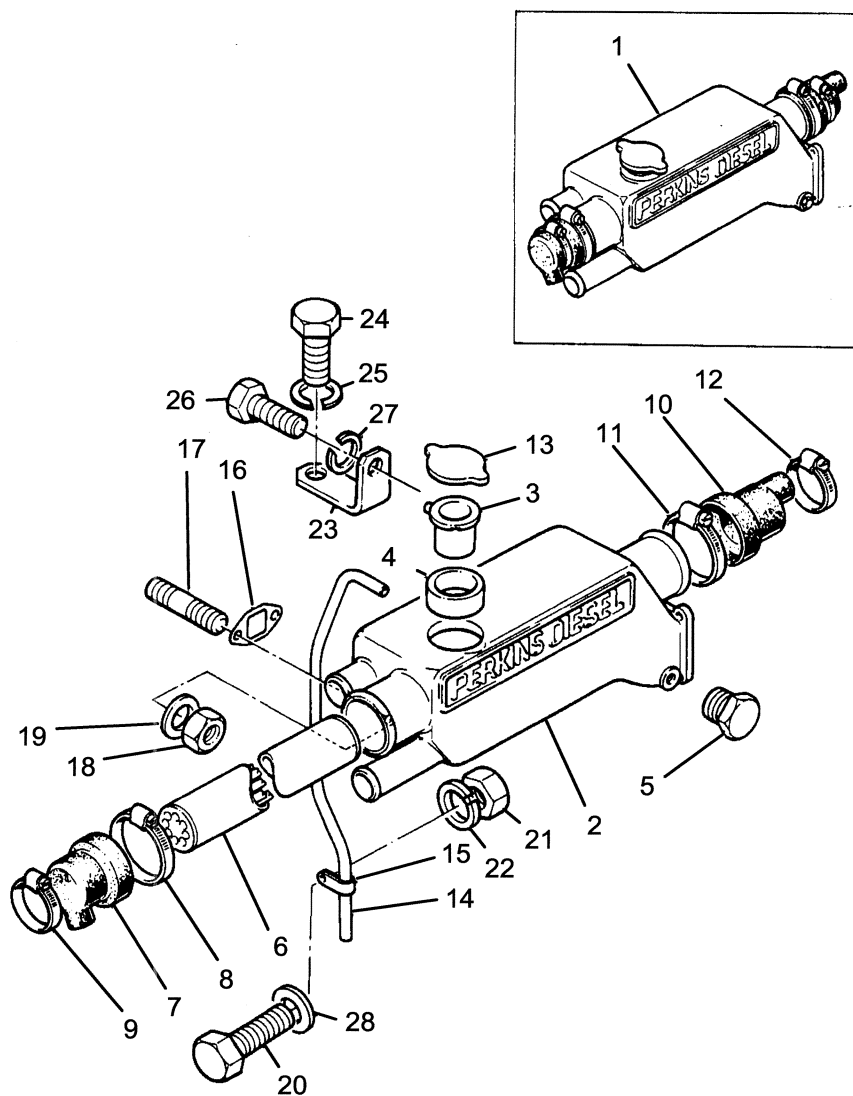
Item	Part No.	References	Qty.	Description	Notes
1	U5MW0054	● 41312449 ● U5MW0040	1	WATER PUMP	
2	—	⇒ REF.1	1	BODY	
3	—	⇒ REF.26	1	SHAFT	
4	—	⇒ REF.26	2	BEARING	
5	—	⇒ REF.26	1	SPACER	
6	—0170046		1	CIRCLIP	(A)
7	—	⇒ REF.26	1	FLANGE	(B)
8	—33813313		1	SEAL - WATER PUMP	(A,B)
9	—	⇒ REF.26	1	RETAINER	(B)
10	—	⇒ REF.26	1	THROWER	
11	—2415217		1	SEAL	(A)
12	—2417204		1	SEAL	(A)
13	—	⇒ REF.26	1	IMPELLER	
14	31145821		1	WATER PUMP PULLEY	(C)
15	0170051		1	CIRCLIP	(A,C)
16	36866421		1	GASKET	(A)
17	36243515		1	PLATE	
18	36866713		1	GASKET	
19	0826209		1	STUD	
20	0576002		1	NUT	
21	0920053		1	WASHER	
22	0096236		2	BOLT	
23	0920053		2	WASHER	
24	0096234		1	BOLT	
25	0920053		1	WASHER	
26	U7LW0003	● 89029	X	REPAIR KIT - WATER PUMP	
27	0201297		1	CONNECTION	
28	2485608		1	THERMOSTAT	
Service Options					
1	U5MW0054R		1	WATER PUMP - EXCHANGE	

Footnotes

(A)	ALSO INCLUDED IN REPAIR KIT
(B)	USED ONLY WITH U5MW0041-41312447-41312448-41312449-41312471/2/3-U5MW0040
(C)	NOT INCLUDED IN ASSEMBLY

→ U590370J

LBHE0833



Water Pump, Thermostat & Heat Exchanger
Plate E
→ U590370J
LBHE0833

Item	Part No.	References	Qty.	Description	Notes
1	2486H001		1	EXCHANGER	
2	└─24860169		1	HOUSING	
3	└─┬─2486H902		1	FILLER	(A)
4	└─┬─2486H901	●○ 24860173	1	INSERT	(A)
5	└─24860161		1	PLUG	
6	└─2486H904		1	TUBE	
7	└─24860167		1	COVER	
8	└─2481890		1	HOSE CLIP	
9	└─2481889		1	CLIP	
10	└─24860166	ⓐ a.	1	COVER	
11	└─2481890		1	HOSE CLIP	
12	└─2481889		1	CLIP	
13	└─2486H905		1	CAP	
14	33871665		1	WATER PIPE	
15	36568143	●○ 0180182	1	PIPE CLIP	
16	0490656		2	GASKET - EXHAUST MANIFOLD	
17	0826274		4	STUD	
18	0576002	●○ 2188212	4	NUT	
19	3623A001		4	WASHER	
20	0746254		1	SCREW	
21	0576002		1	NUT	
22	0920053		1	WASHER	
23	3641K002		2	BRACKET	
24	0746651	●○ 2182118	2	SCREW	
25	0920055		2	WASHER	
26	0746454		2	SETSCREW	
27	0920054		2	WASHER	
28	0920003		1	WASHER	

History
a.

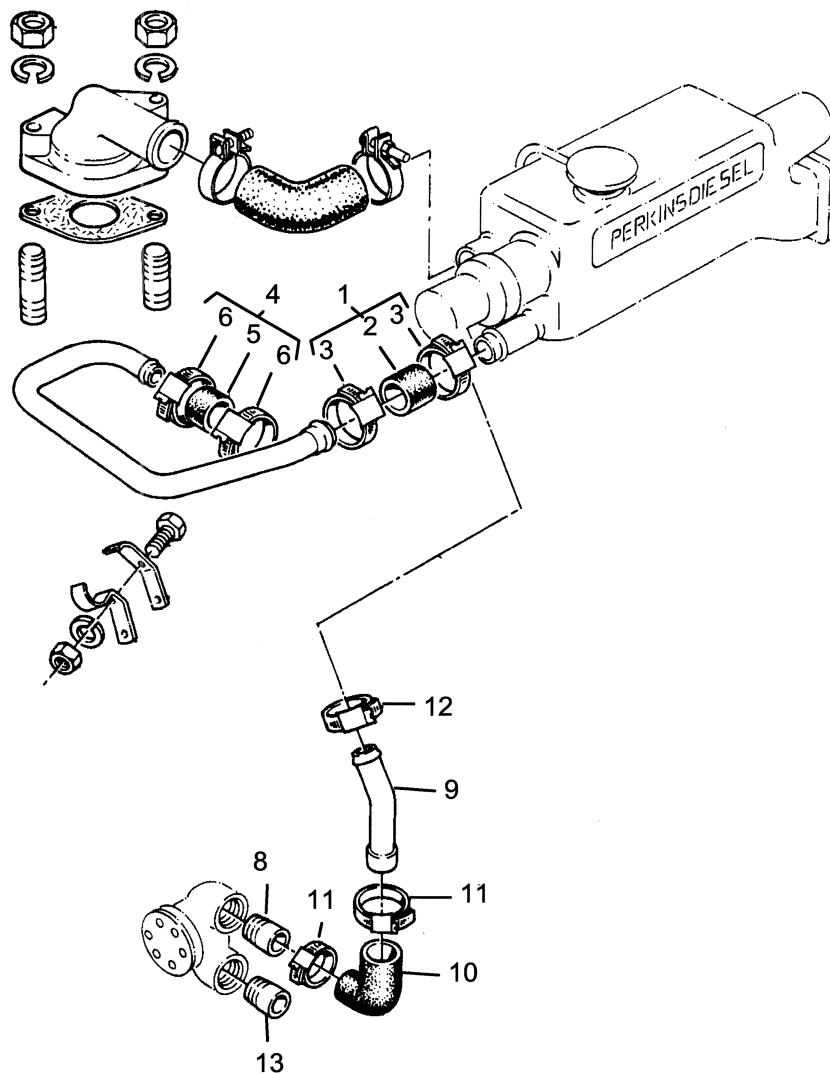
10	└─24865264	●○ 24860166	1	COVER	
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Footnotes

(A)	DELETE FROM WATER PUMP AND THERMOSTAT SECTION OF BASE LIST
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→ U590370J

LBHE0833



Water Pump, Thermostat & Heat Exchanger
Plate F
→ U590370J
LBHE0833

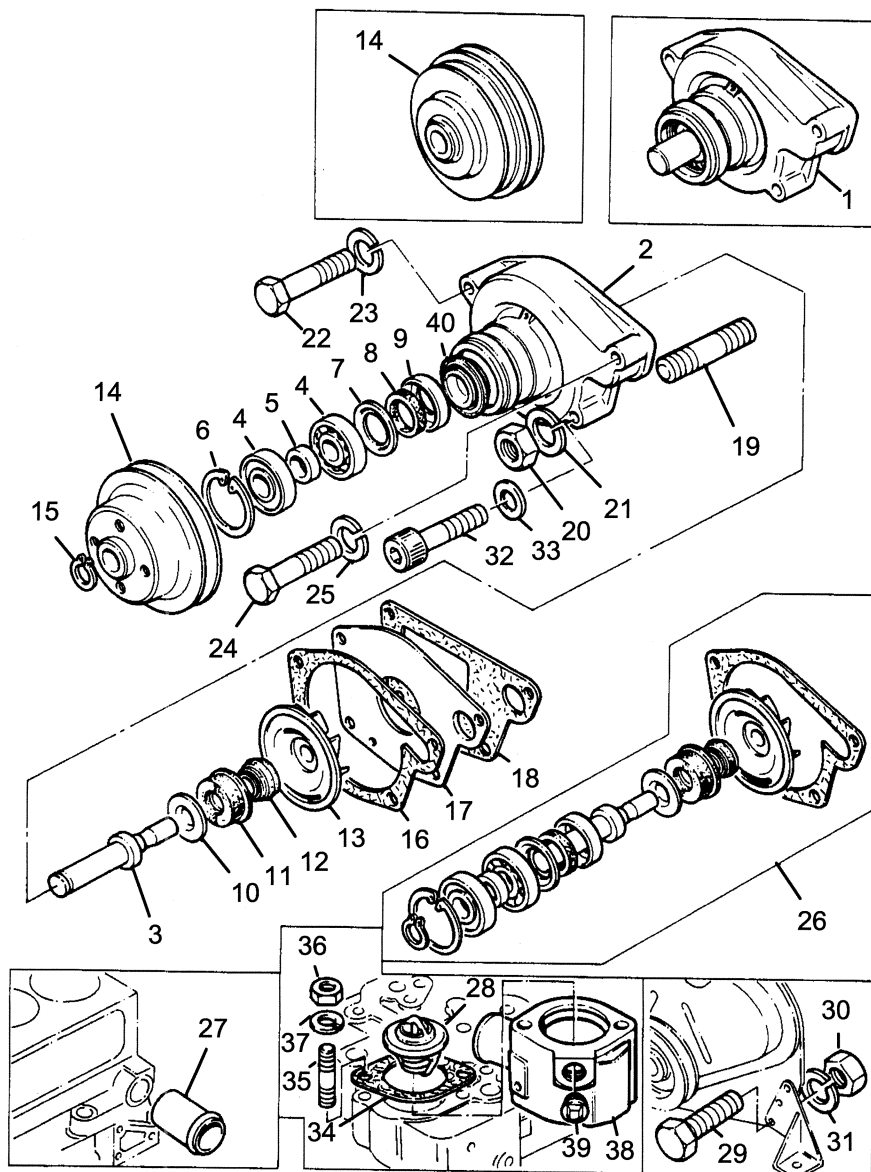
Item	Part No.	References	Qty.	Description	Notes
1	U5MH0049	● 33853111	1	HOSE KIT	
2	└	⇒ U5MH0049	1	HOSE	
3	└ 0180067	Ⓚ a.	2	CLIP	
4	U5MH0009	● 33852108	1	HOSE KIT	
5	└ 33852108	⇒ U5MH0009	1	HOSE	
6	└ 21825191	Ⓚ a.	1	CLIP	
7	└ 21825191		1	CLIP	
8	33286109		1	CONNECTION	
9	3427J301		1	WATER PIPE	
10	34821112		1	CONNECTION	
11	2481886		2	CLIP	
12	2481884		1	CLIP	
13	33286109		1	CONNECTION	

History
a. General History Section

3	└ 2481877	● 2481887	2	HOSE CLIP	
		● 21825195			
6	└ 21825197	● 0180066	2	CLIP	

→ U590371J

LBHE1039



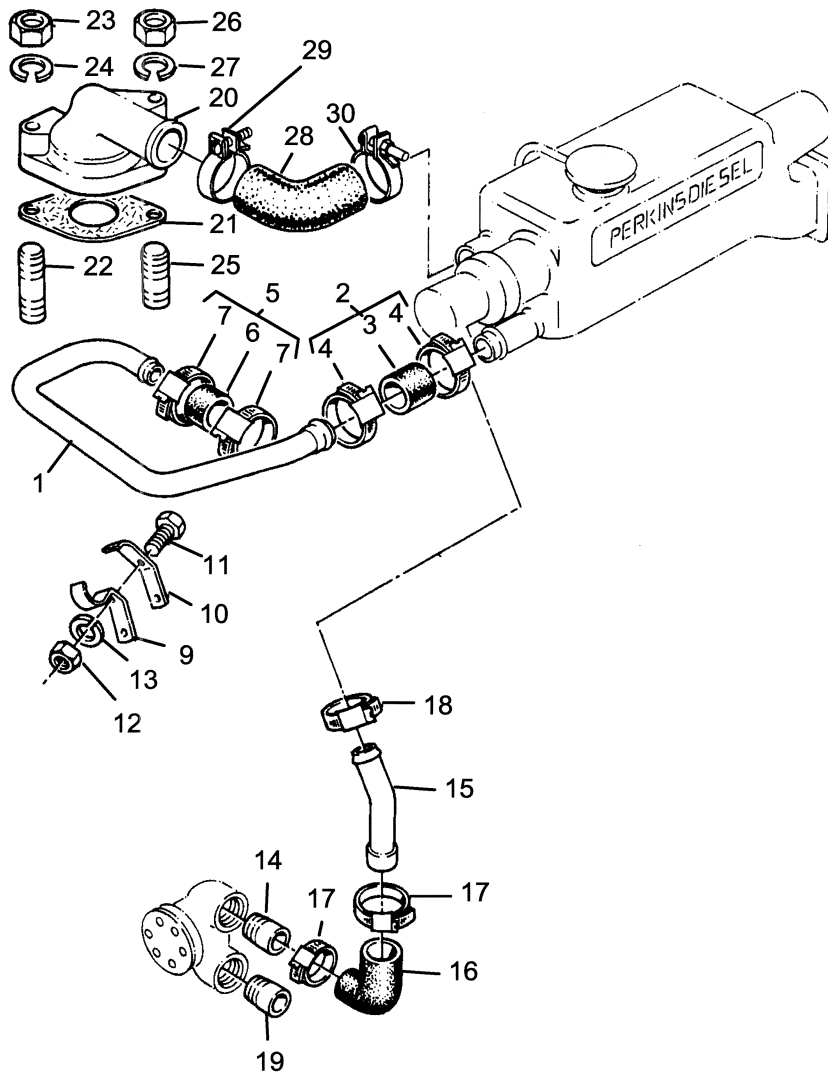
Water Pump, Thermostat & Heat Exchanger		Plate A
↳ U590371J	LBHE1039	

Item	Part No.	References	Qty.	Description	Notes
1	U5MW0054		1	WATER PUMP	
2	—	⇒ REF.1	1	BODY	
3	—	⇒ REF.26	1	SHAFT	
4	—	⇒ REF.26	2	BEARING	
5	—	⇒ REF.26	1	DISTANCE PIECE	
6	—0170046		1	CIRCLIP	(A)
12	—2417204		1	SEAL	(A)
13	—	⇒ REF.26	1	IMPELLER	
40	—2415217		1	SEAL	(A)
14	31145821		1	WATER PUMP PULLEY	
16	36866421		1	GASKET	(A)
17	36243515		1	PLATE	
18	36866713		1	GASKET	
19	0826209		1	STUD	
20	0576002		1	NUT	
21	0920053		1	WASHER	
22	0096236		2	BOLT	
23	0920053		2	WASHER	
24	0096234		1	BOLT	
25	0920053		1	WASHER	
26	U7LW0003		X	REPAIR KIT - WATER PUMP	
27	0201297		1	CONNECTION	
28	2485608		1	THERMOSTAT	
Service Options					
1	U5MW0054R		1	WATER PUMP - EXCHANGE	

Footnotes	
(A)	ALSO INCLUDED IN REPAIR KIT

→ U590371J

LBHE1039



Water Pump, Thermostat & Heat Exchanger

Plate F

↳ U590371J

LBHE1039

Item	Part No.	References	Qty.	Description	Notes
1	3514M001		1	WATER PIPE	
2	U5MH0049	● 33853111	1	HOSE KIT	
3	└	⇒ U5MH0049	1	HOSE	
4	└ 0180067	🔗 a.	2	CLIP	
5	U5MH0009	● 33852108	1	HOSE KIT	
6	└ 33852108	⇒ U5MH0009	1	HOSE	
7	└ 21825191	🔗 a.	1	CLIP	
8	└ 21825191		1	CLIP	
9	36675136		1	CLIP	
10	36518339		1	CLIP	
11	0726201		1	SCREW	
12	0576001		1	NUT	
13	0920052		1	WASHER	
14	33286109		1	CONNECTION	
15	3427J301		1	WATER PIPE	
16	34821112		1	CONNECTION	
17	2481886		2	CLIP	
18	2481884		1	CLIP	
19	33286109		1	CONNECTION	
20	37735421		1	CONNECTION	
21	0490184		1	GASKET - WATER CONNECTION	
22	0826477		1	STUD	
23	0576051		1	NUT	
24	0920054		1	WASHER	
25	0826479		1	STUD	
26	0576051		1	NUT	
27	0920054		1	WASHER	
28	0201193		1	HOSE	
29	2481886		1	CLIP	
30	21825198	● 0180067 ● 2481887	1	CLIP	

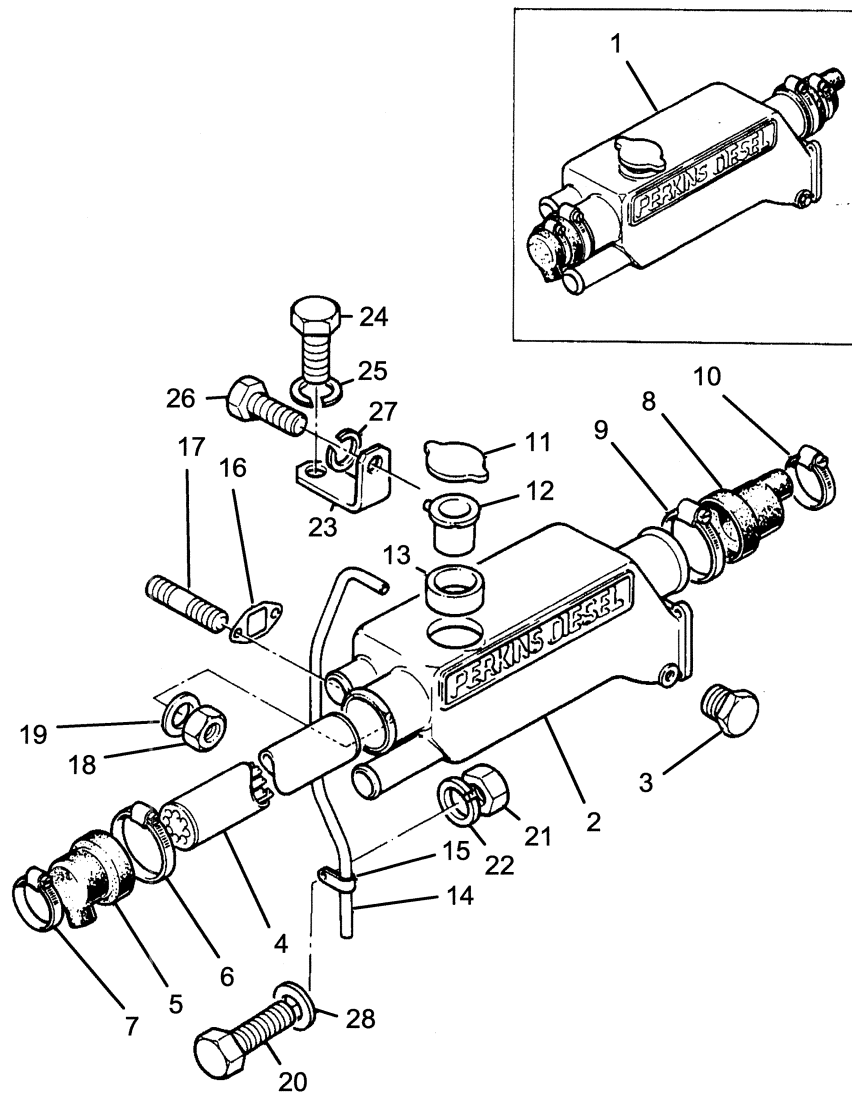
History

a. General History Section

4	└ 2481877	● 2481887 ● 21825195	2	HOSE CLIP
7	└ 21825197	● 0180066	2	CLIP

↳ U590371J

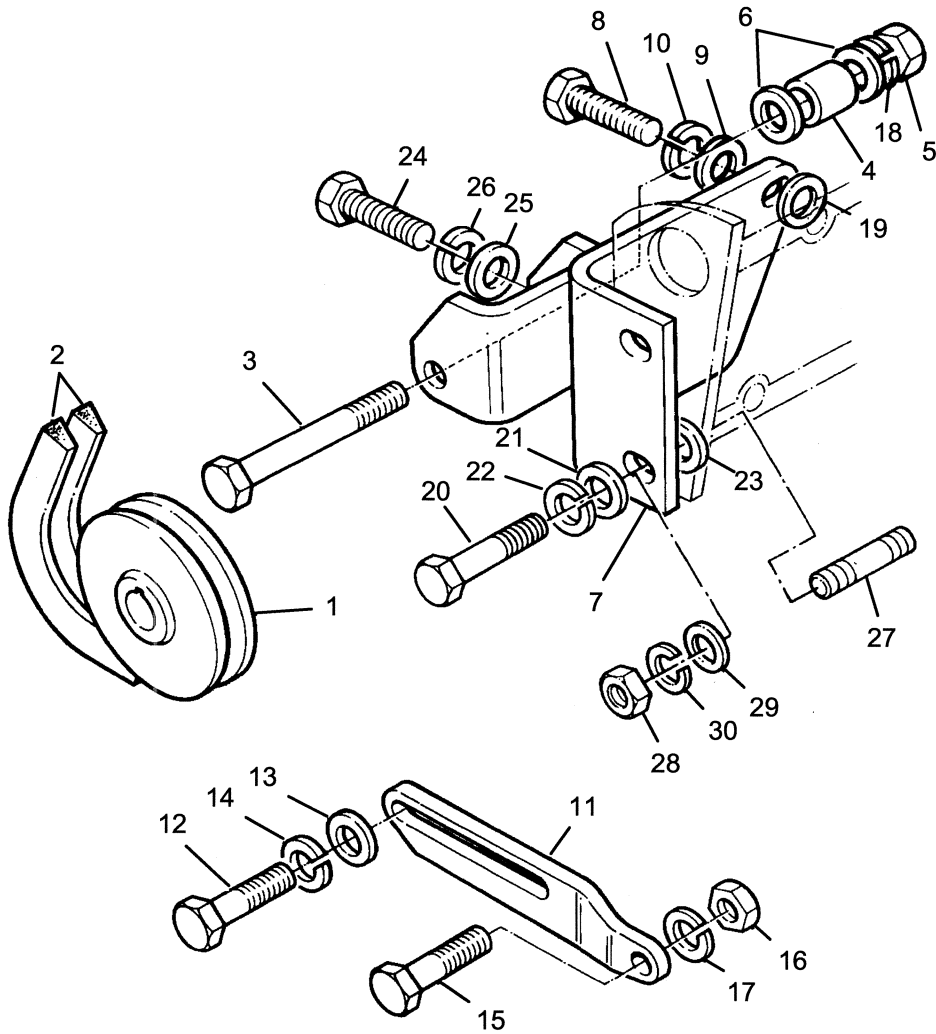
LBHE1039



Water Pump, Thermostat & Heat Exchanger
Plate E
↳ U590371J
LBHE1039

Item	Part No.	References	Qty.	Description	Notes
1	2486H005		1	EXCHANGER	
2	24860169		1	HOUSING	
12	2486H902		1	FILLER	
13	2486H901	• 24860173	1	INSERT	
3	24860161		1	PLUG	
4	2486H904		1	TUBE	
5	24860167		1	COVER	
6	2481890		1	HOSE CLIP	
7	2481889		1	CLIP	
8	24865264	• 24860166	1	COVER	
9	2481890		1	HOSE CLIP	
10	2481889		1	CLIP	
11	2486H905		1	CAP	
14	33871665		1	WATER PIPE	
15	36568143	• 0180182	1	PIPE CLIP	
16	0490656		2	GASKET - EXHAUST MANIFOLD	
17	0826274		4	STUD	
18	0576002	• 2188212	4	NUT	
19	3623A001		4	WASHER	
20	0746254		1	SCREW	
21	0576002		1	NUT	
22	0920053		1	WASHER	
23	3641K002		2	BRACKET	
24	0746651	• 2182118	2	SCREW	
25	0920055		2	WASHER	
26	0746454		2	SETSCREW	
27	0920054		2	WASHER	
28	0920003		1	WASHER	

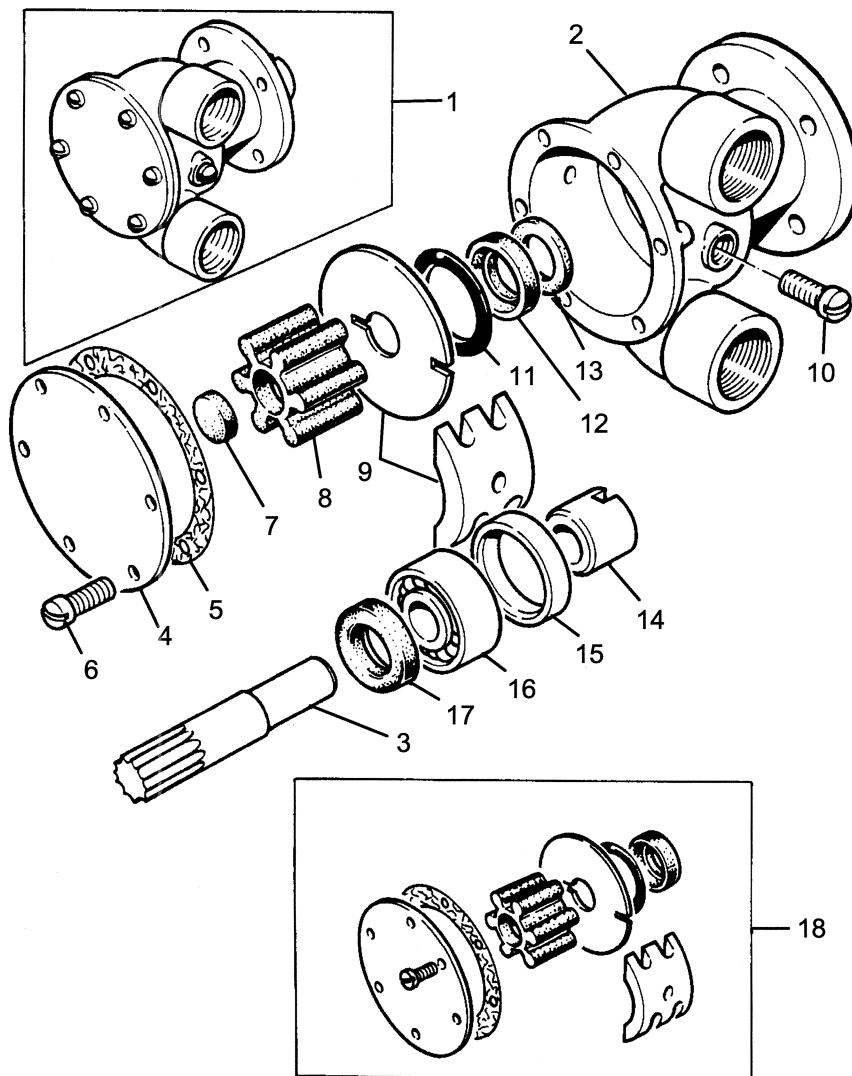
NDHE1256



Alternator & Generator		Plate D
		NDHE1256

Item	Part No.	References	Qty.	Description	Notes
3	0096441		1	BOLT	
5	0576051		1	NUT	
7	38162123		1	BRACKET	
8	0096236		2	BOLT	
10	0920053		2	WASHER	
11	36548423		1	LEVER	
12	2314H004	• 2314C045	1	SCREW	
13	0920497		1	WASHER	
15	0746254		1	SCREW	
16	0576002		1	NUT	
18	0920054		1	WASHER	
20	0746456	• 0096431	2	SCREW	
21	0920004		2	WASHER	
22	0920054		2	WASHER	
23	0920468		2	WASHER	

QBHE0115



Gear Driven Sea Water Pump

Plate A

QBHE0115

Item	Part No.	References	Qty.	Description	Notes
1	35615		1	WATER PUMP	
2	—	⇒ REF.1	1	BODY	
3	—0750417		1	SHAFT	
4	—24880189	● 24887206	1	COVER	(A)
5	—0490785		1	GASKET - WATER PUMP	(A)
6	—0720866		6	SCREW	(A)
7	—0730110		1	PLUG	
8	—0460038		1	IMPELLER	(A)
9	—24880103		1	CAM	(A)
10	—0720688		1	SCREW	
11	—0640069		1	SEAL - O RING	(A)
12	—0730086		1	SEAL - WATER PUMP	(A)
13	—0995454		1	SLINGER	
14	—0980655		1	COUPLING	
15	—0470753		1	RING	
16	—0040605		1	BALL BEARING	
17	—0730086	● 0730161	1	SEAL - WATER PUMP	
18	—24880114		X	PUMP KIT	
8	24880452		1	IMPELLER	(B,C)

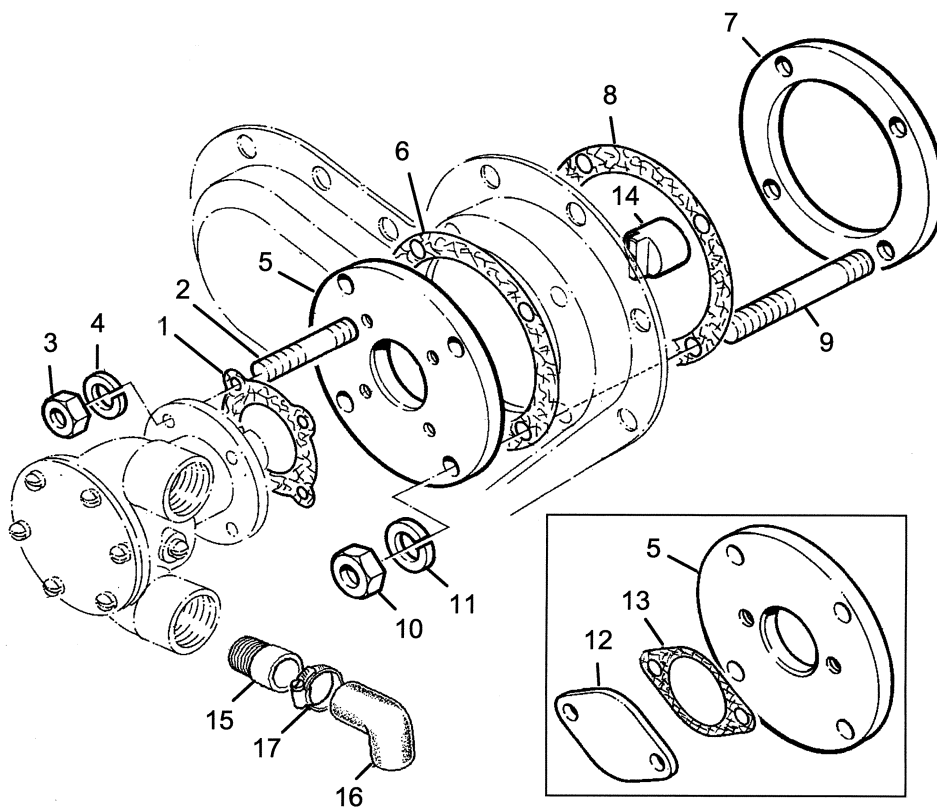
Footnotes

(A) ALSO INCLUDED IN REPAIR KIT

(B) USED ONLY FOR LIFEBOAT APPLICATIONS

(C) NOT INCLUDED IN REPAIR KIT

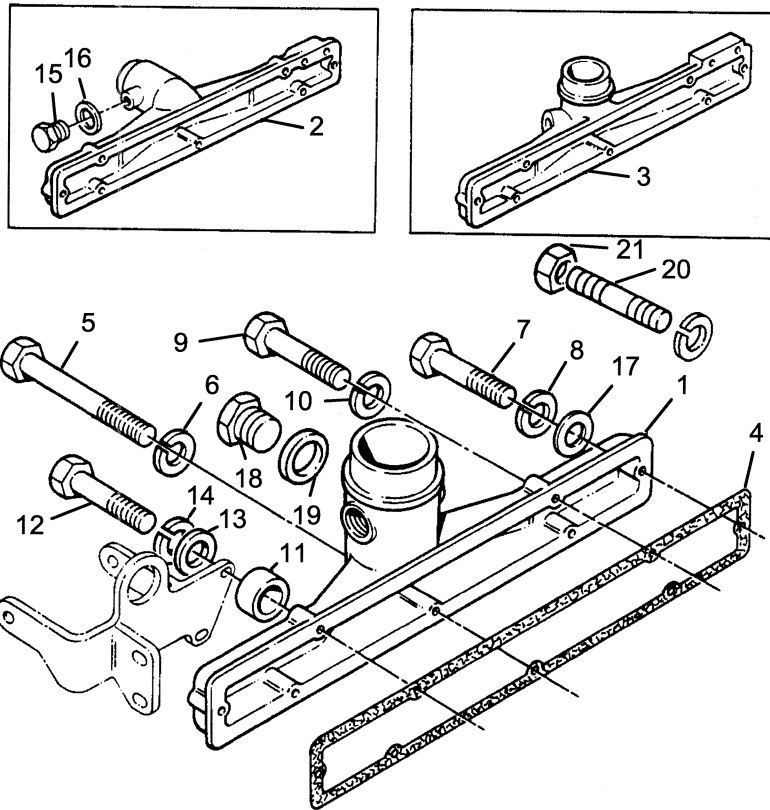
QBHE0115



Gear Driven Sea Water Pump		Plate B
	QBHE0115	

Item	Part No.	References	Qty.	Description	Notes
1	36821503		1	GASKET	
2	0826008		4	STUD	
3	0576001		4	NUT	
4	0920052		4	WASHER	
5	33154119		1	ADAPTOR	
6	33825411		1	GASKET	
7	33154118		1	PLATE	
8	33825411		1	GASKET	
9	0826268		4	STUD	
10	0576002		4	NUT	
11	0920053		4	WASHER	
14	32461313		1	SHAFT	

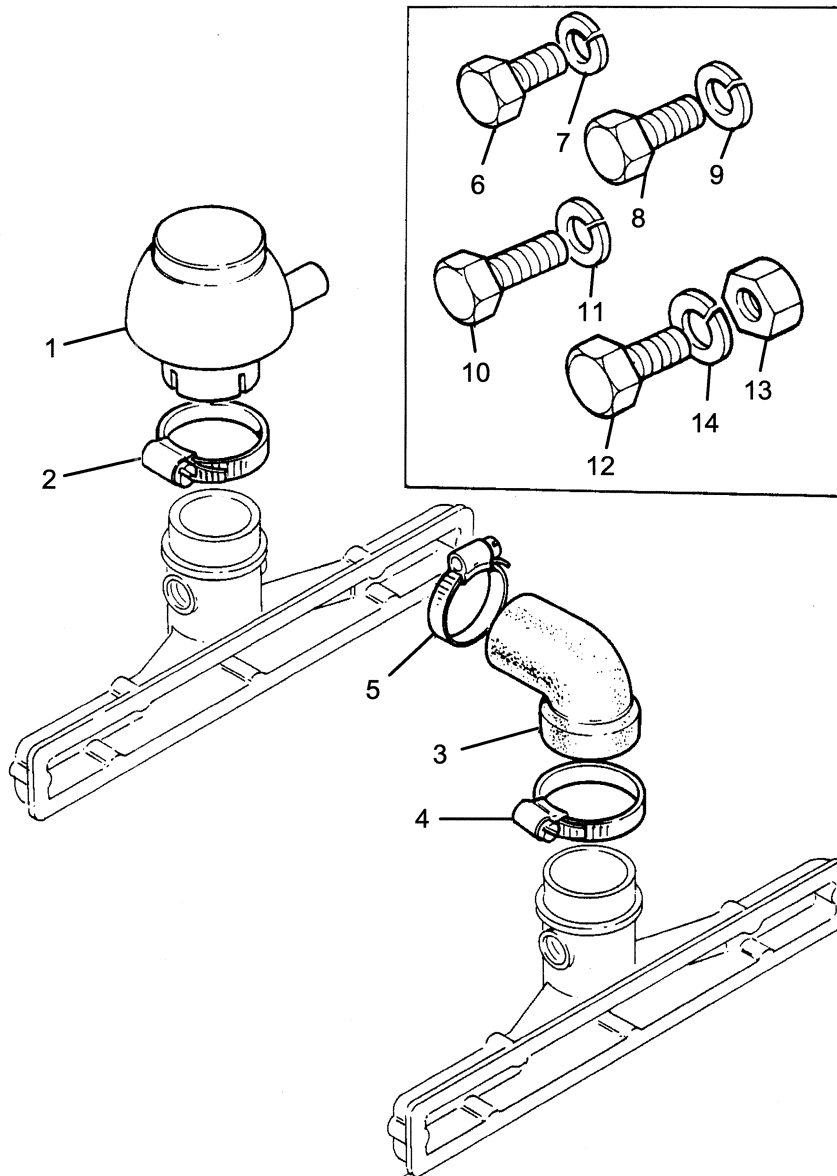
TBHE0400



Induction Manifold		Plate A
		TBHE0400

Item	Part No.	References	Qty.	Description	Notes
3	37786185		1	INDUCTION MANIFOLD	
4	36846415		1	GASKET - IND MANIFOLD	
5	0096240		1	BOLT	
6	0920053		1	WASHER	
7	0746258	•∞ 0096231	2	SCREW	
8	0920053		2	WASHER	
9	0746260	•∞ 0096233	2	SCREW	
10	0920053		2	WASHER	
17	0920484		2	WASHER	

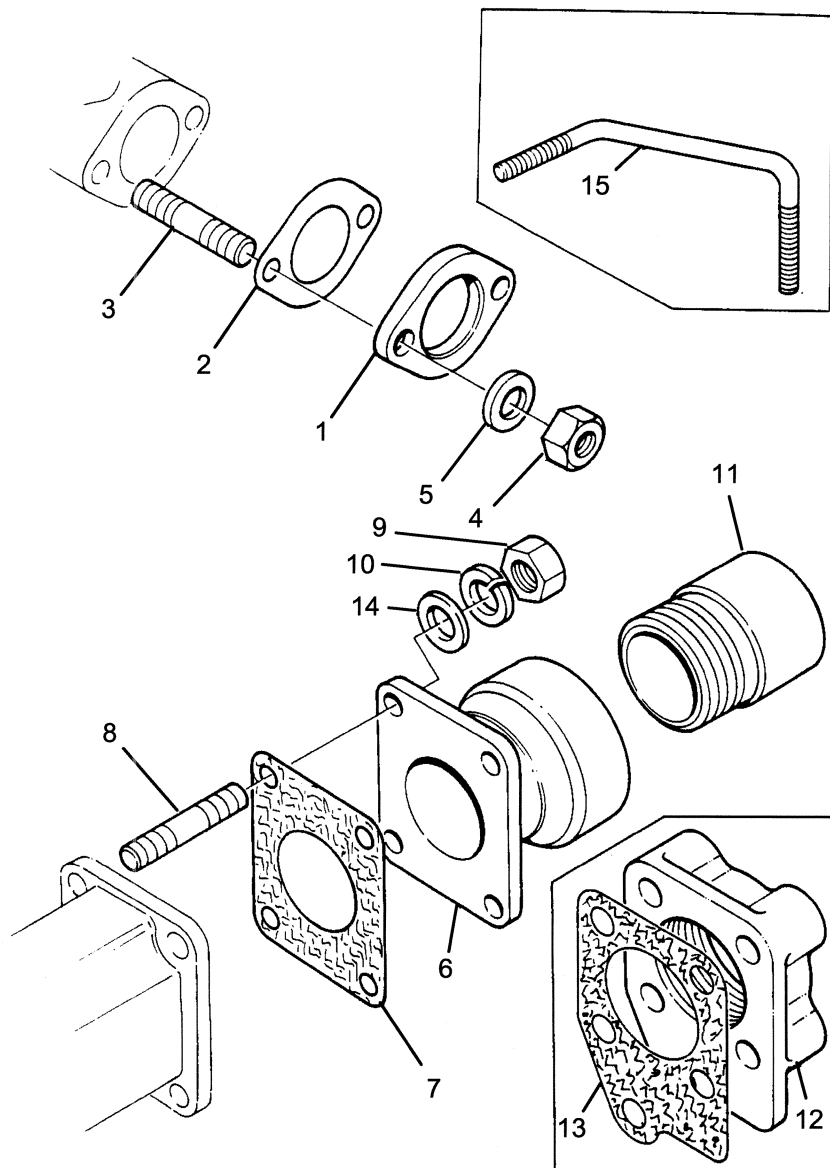
TDHE0083



Air Cleaner & Restriction Indicator		Plate B
		TDHE0083

Item	Part No.	References	Qty.	Description	Notes
1	37444108	↳ U613802M ● 0240568	1	COVER	
2	21825200	● 2481897	1	CLIP	

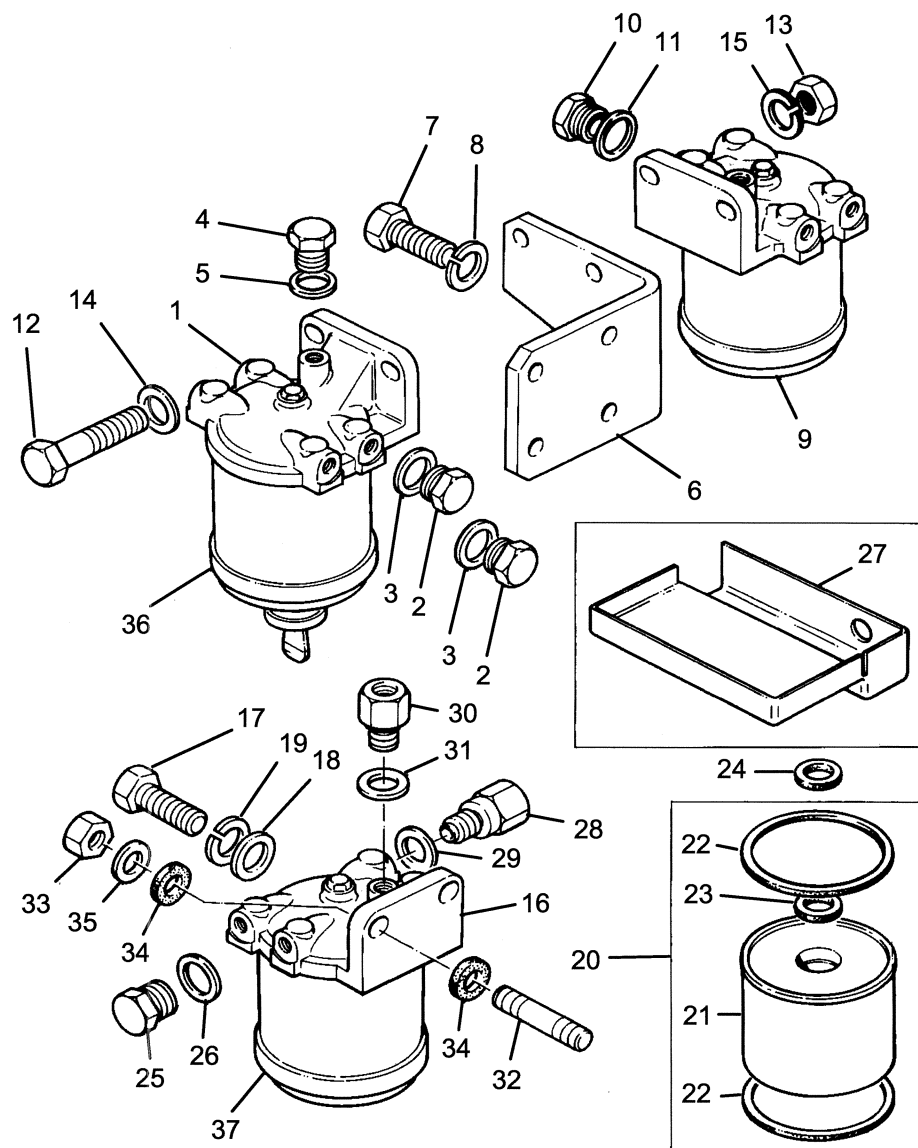
UDHE0141



Exhaust Outlet Flange		Plate A
		UDHE0141

Item	Part No.	References	Qty.	Description	Notes
6	37426472		1	FLANGE	
7	36841135		1	GASKET	
8	32521312		4	STUD	
9	0576051		4	NUT	
10	0920054	● 2134177	4	WASHER	
11	33515124		1	ADAPTOR	

VBHE0787



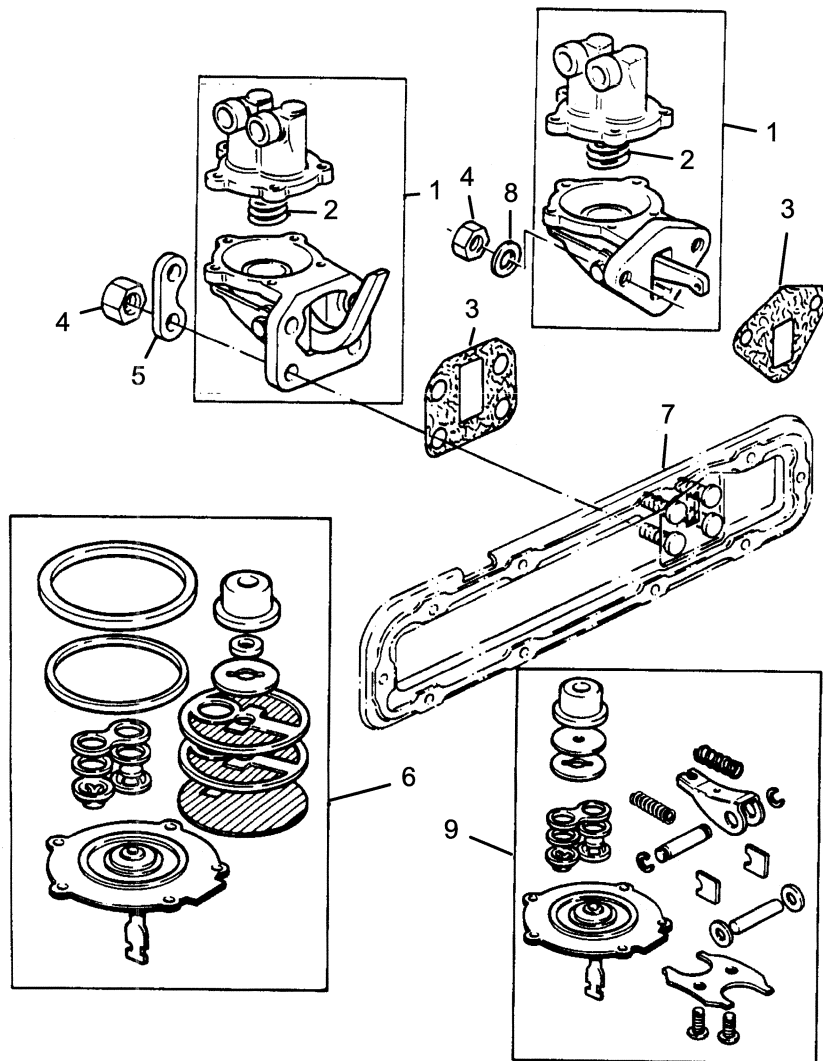
Low Pressure Fuel System

Plate C

VBHE0787

Item	Part No.	References	Qty.	Description	Notes
16	2656613		1	FUEL FILTER ASSEMBLY	
17	0746454		2	SETSCREW	
18	0920004		2	WASHER	
19	0920054		2	WASHER	
20	26560017	 26561117	X	FUEL FILTER KIT	
20	26561117	 26560017	X	FUEL FILTER KIT	
21		 REF.20	1	ELEMENT	
22	—0490786		2	SEAL	
23	—26560014		1	SEAL - O RING	
24	26560016		1	WASHER	

VBHE0787

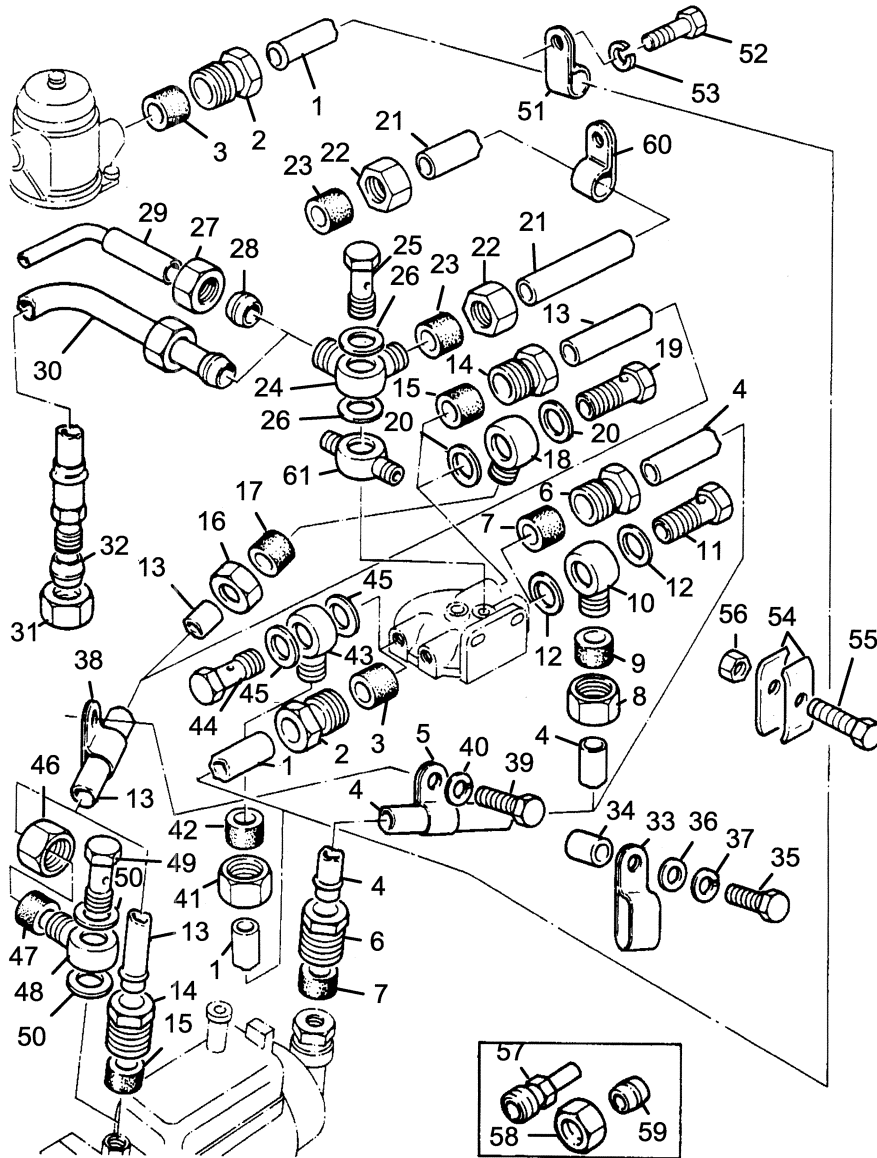


Low Pressure Fuel System		Plate A
		VBHE0787

Item	Part No.	References	Qty.	Description	Notes
1	2641A058	●○ 2641702	1	LIFT PUMP	
2	└	⇒ REF.10	1	SPRING	
3	3685R008	●○ 36851113	1	GASKET - LIFT PUMP	
4	33221115		4	NUT	
5	36241316		2	PLATE	
6	26410087	●○ 26410096	1	REPAIR KIT - LIFT PUMP	(A)
7		◁ HBHE	1	COVER	
10	26412003		X	REPAIR KIT - LIFT PUMP	(B)

Footnotes	
(A)	USED ONLY WITH 2641702
(B)	USED ONLY WITH 2641A058

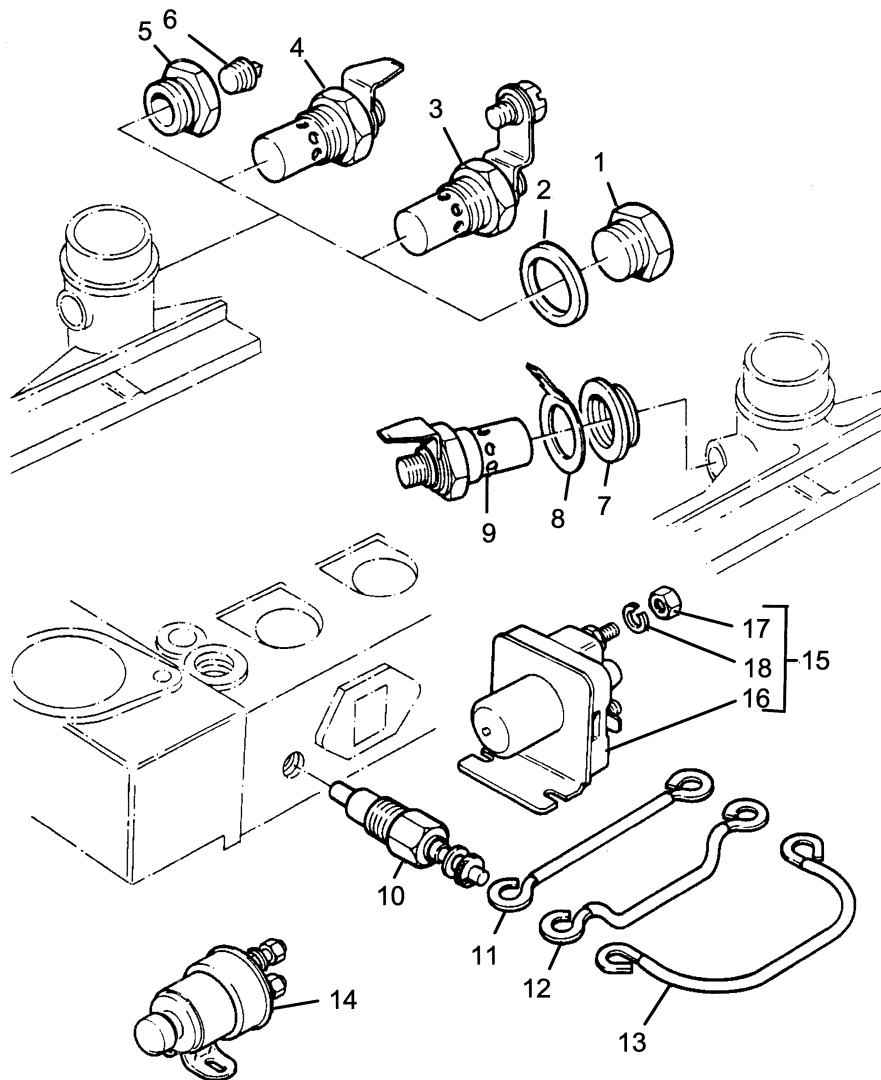
VBHE0787



Low Pressure Fuel System
Plate G
VBHE0787

Item	Part No.	References	Qty.	Description	Notes
1	35844015		1	PIPE - FUEL	
2	└─33532128		2	NUT	
3	└─33811113		2	OLIVE	
4	35843304		1	PIPE - FUEL	
6	└─33532128		1	NUT	
7	└─33811113		1	OLIVE	
8	33225413		1	UNION NUT	
9	33811115		1	OLIVE	
10	0201091		1	CONNECTION	
11	0095332		1	BOLT	
12	0920154		2	WASHER	
13	35843303		1	PIPE - FUEL	
14	└─33532128		1	NUT	
15	└─33811113		1	OLIVE	
16	33225413		1	UNION NUT	
17	33811115		1	OLIVE	
18	0201091		1	CONNECTION	
19	0095332		1	BOLT	
20	0920154		2	WASHER	
21	3425T001	↳ U586463H	1	PIPE - FUEL	
21	3438C001	↳ U586462H	1	PIPE - FUEL	
22	33225412		2	UNION NUT	
23	33811112		2	OLIVE	
24	0201397		1	CONNECTION	
25	0095344		1	BOLT	
26	0920146		2	WASHER	
27	0576112		1	NUT	
28	0566003		1	OLIVE	
33	36651119		1	CLIP	
34	0920464		1	SPACER	
35	0746556		1	SCREW	
37	0920054		1	WASHER	

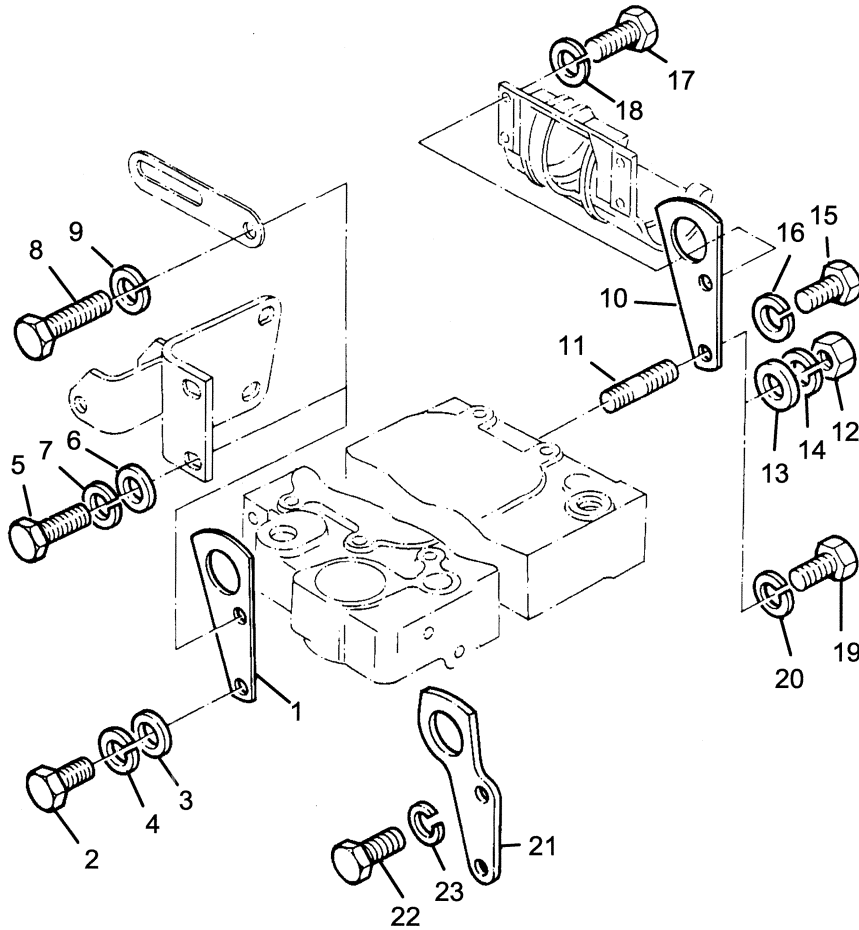
WDHE0030



Cold Start System		Plate A
		WDHE0030

Item	Part No.	References	Qty.	Description	Notes
7	33817508	●○ 33817507	1	ADAPTOR	
8	2815784		1	TERMINAL	
9	2666108		1	INTAKE HEATER	

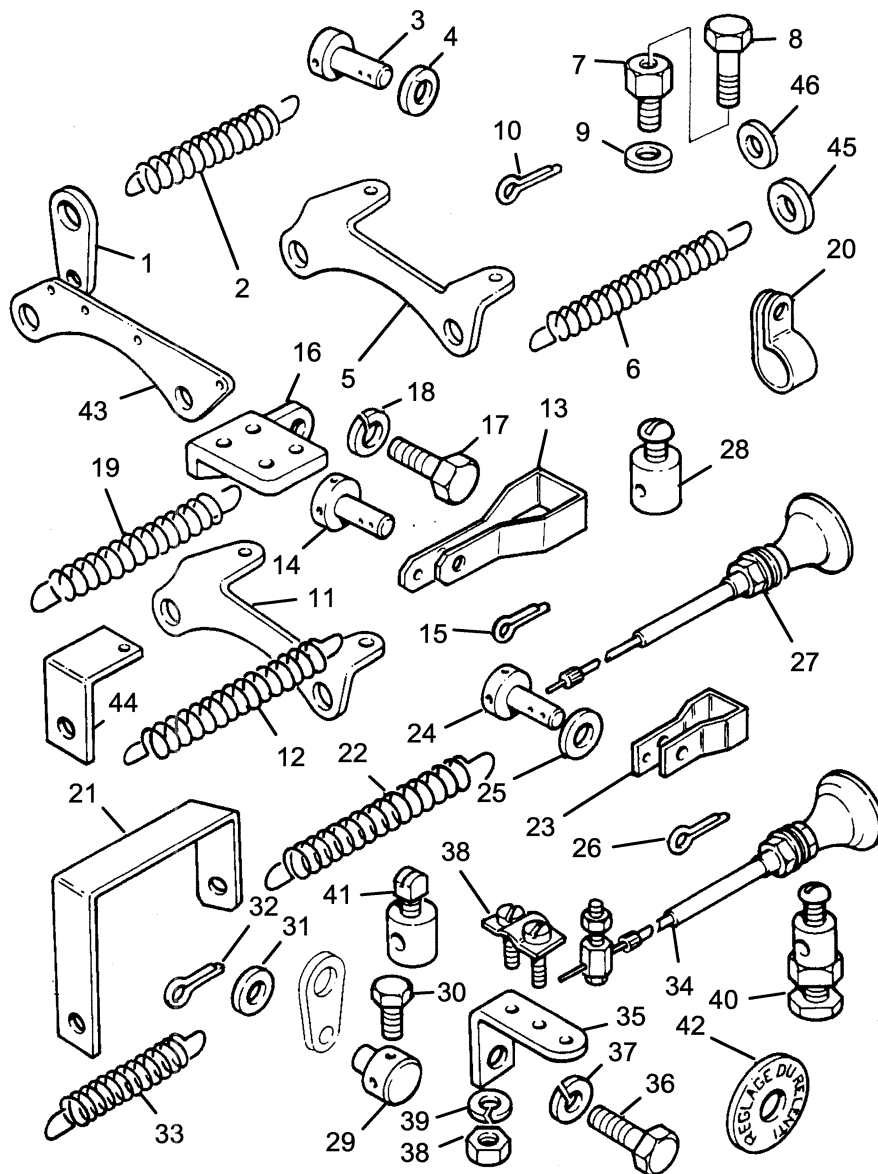
XBHE0143



Engine Lifting		Plate A
		XBHE0143

Item	Part No.	References	Qty.	Description	Notes
1	36255538		1	PLATE	
10	36177427		1	PLATE	
15	0746452		2	SETSCREW	
16	0920054		2	WASHER	

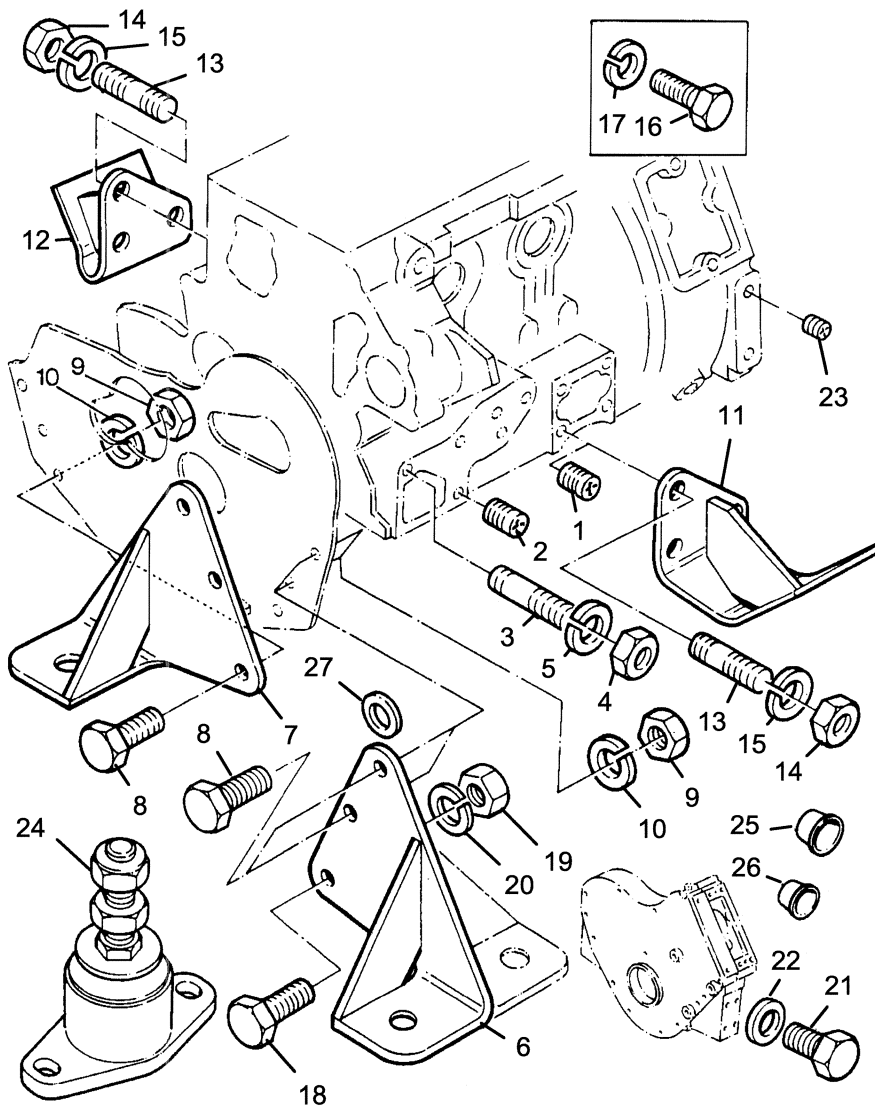
ZAHE0222



Throttle & Stop Controls		Plate A
		ZAHE0222

Item	Part No.	References	Qty.	Description	Notes
11	38152107		1	BRACKET	
12	31753116		1	STOP SPRING	
13	0996525		1	FORK	
14	0610837		1	PIN	
15	0610042		1	PIN	
19	31753115		1	SPRING	

ZCHE0311

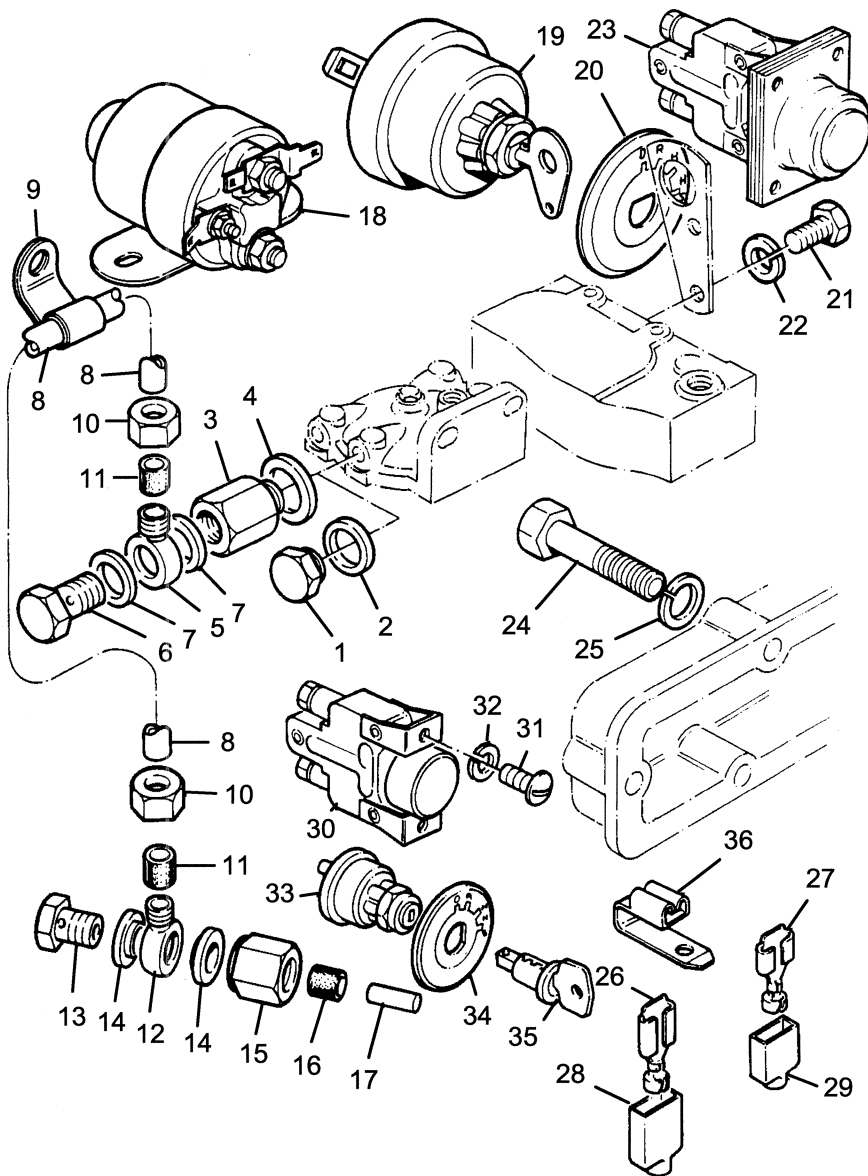


Mountings (Front & Rear)		Plate A
		ZCHE0311

Item	Part No.	References	Qty.	Description	Notes
1	32114481		1	PLUG	
2	32114481		1	PLUG	
6	38124252	● 38124249	1	BRACKET	(A)
7	38124253	● 38124251	1	BRACKET	(B)
8	0746254		6	SCREW	(C)
8	0746255		6	SCREW	(D)
9	0576002		6	NUT	
10	0920053		6	WASHER	
27	3311N011		4	WASHER	(D)

Footnotes	
(A)	WAS 38124249.USE 38124252/38124253/0746255-5/0746211/3311N011-4.
(B)	WAS 38124251.USE 38124253/38124252/0746255-5/0746211/3311N011-4.
(C)	USED ONLY WITH BRACKET 38124249 AND 38124251.
(D)	USED ONLY WITH BRACKET 38124252 AND 38124253.

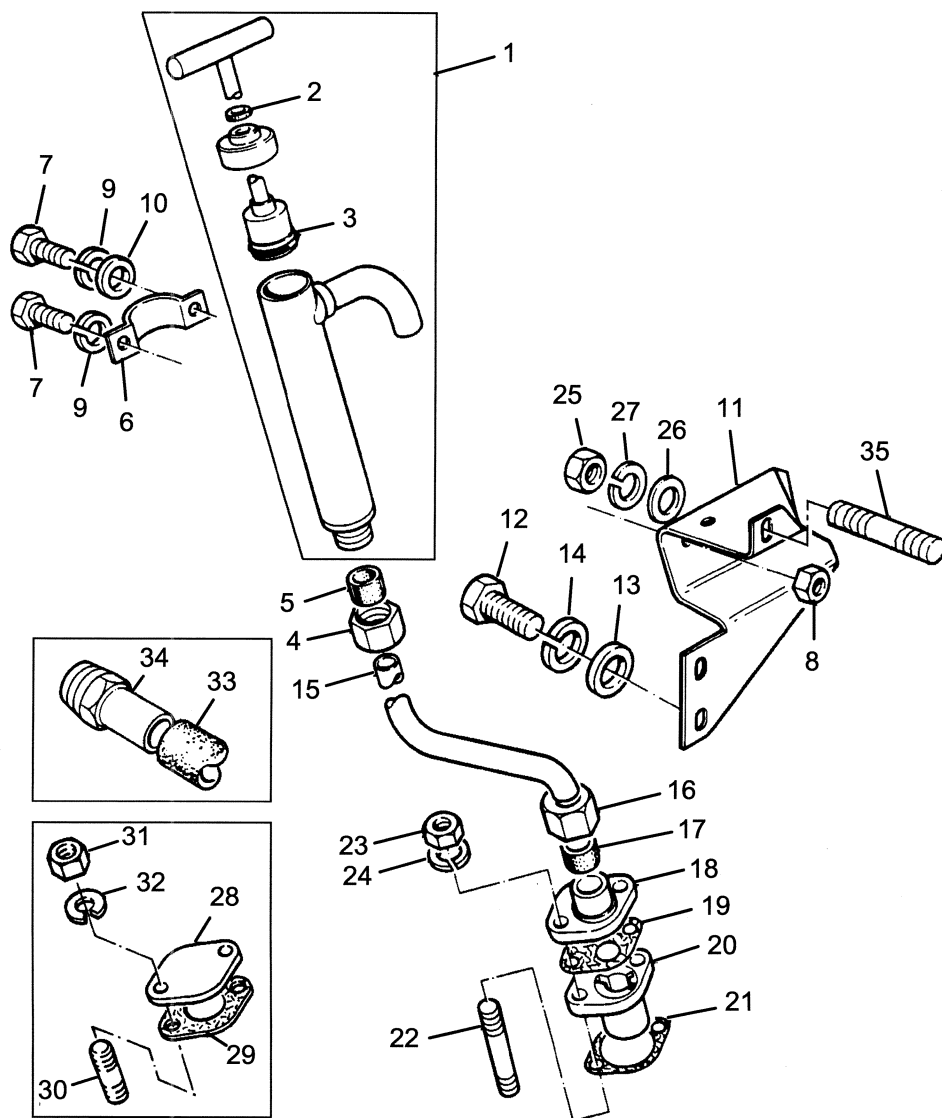
ZEHE0717



Heater/Starter Switch		Plate A
		ZEHE0717

Item	Part No.	References	Qty.	Description	Notes
3	2658207		1	NON RETURN VALVE	
4	0920154	●○ 2411141	1	WASHER	
5	0201099		1	CONNECTION	
6	0095332		1	BOLT	
7	0920127		2	WASHER	
8	34414902		1	PIPE - FUEL	
10	33225412		2	UNION NUT	
11	33811112		2	OLIVE	
12	0201099		1	CONNECTION	
13	32184336		1	BOLT	
14	33817129		2	WASHER	
15	33287516		1	ADAPTOR	
16	33811112		1	OLIVE	
17	33241318		1	SLEEVE	

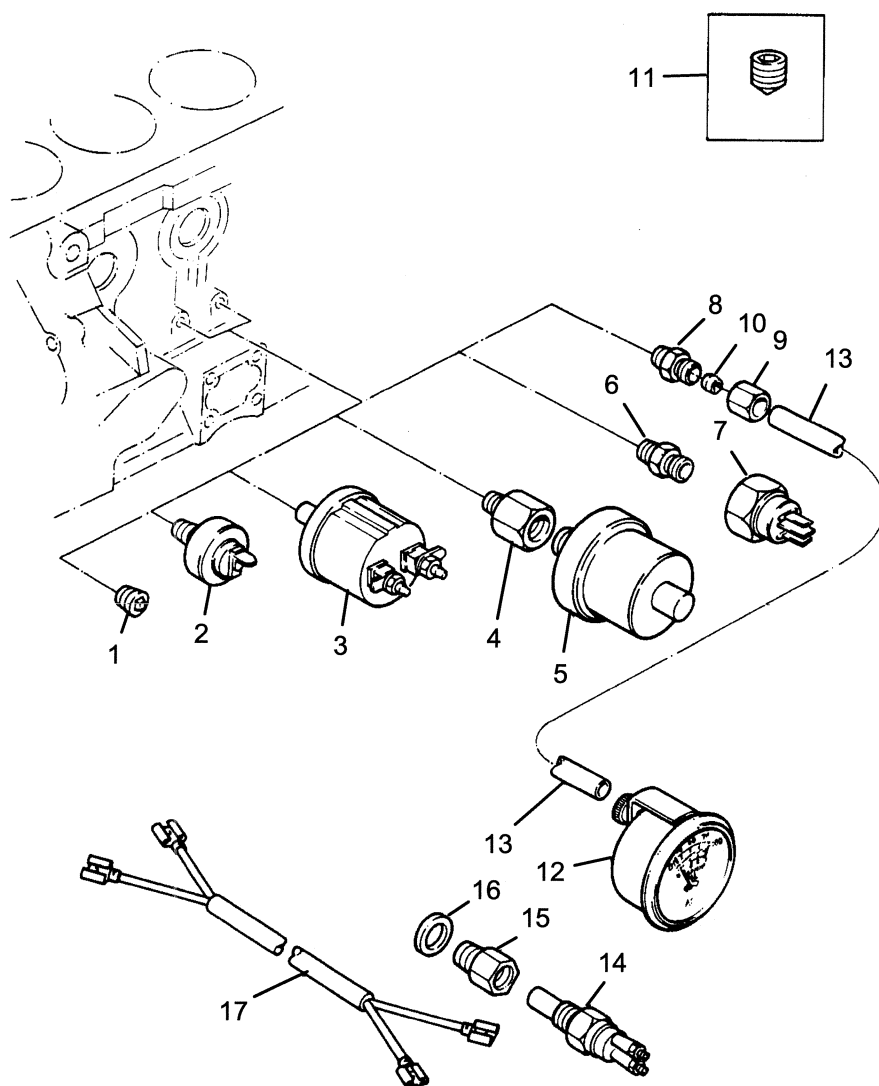
ZGHE0030



Lub. Oil Sump Drain Pump		Plate A
		ZGHE0030

Item	Part No.	References	Qty.	Description	Notes
28	36171304		1	PLATE	
29	36833115		1	GASKET	
30	0827602		2	STUD	
31	0576002		2	NUT	
32	0920053		2	WASHER	

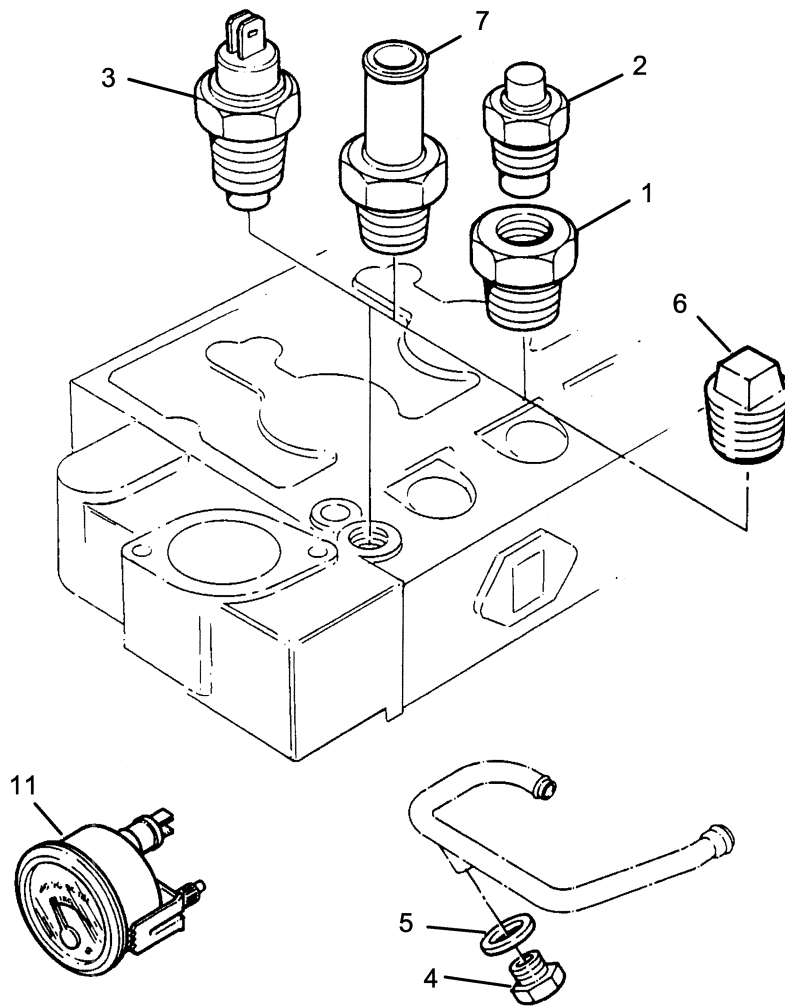
ZJHE0013



Lub. Oil Pressure Switch & Gauge		Plate A
	ZJHE0013	

Item	Part No.	References	Qty.	Description	Notes
1	0650594	● 2431131	2	PLUG	

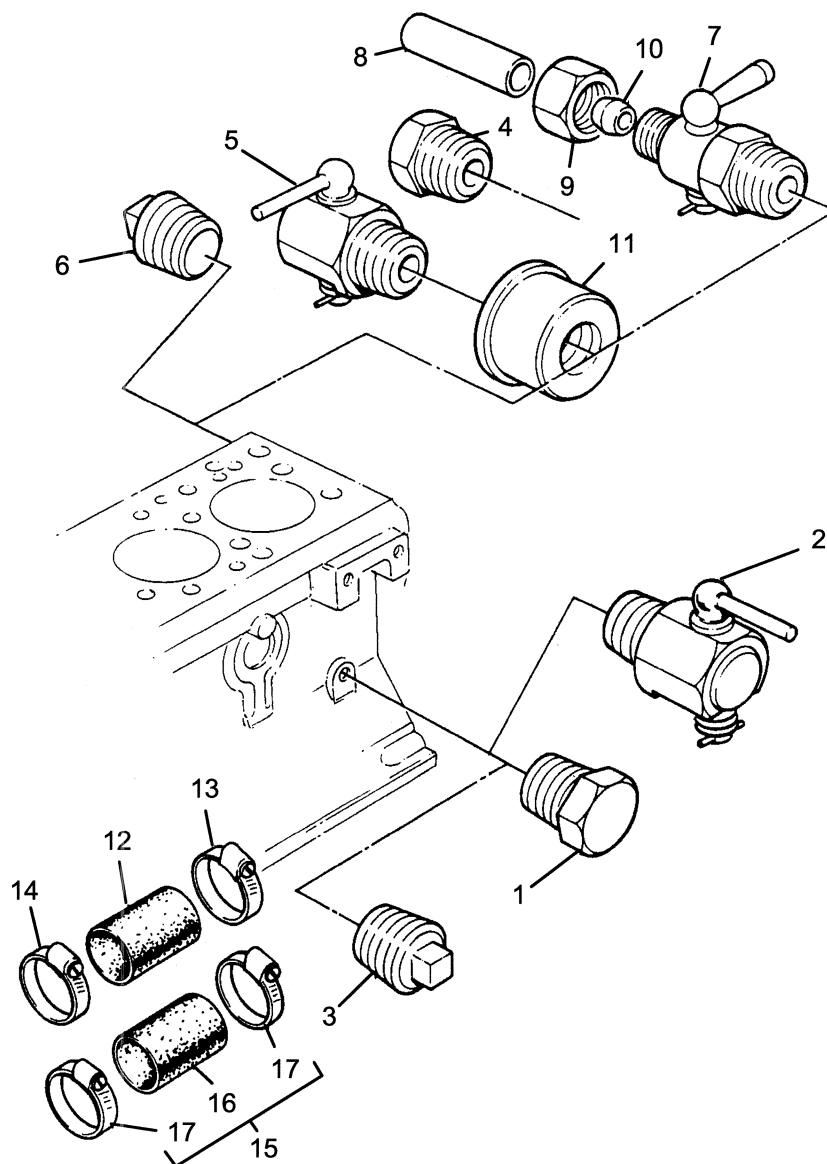
ZLHE0112



Temperature Gauge & Sender		Plate A
		ZLHE0112

Item	Part No.	References	Qty.	Description	Notes
6	0650540		2	PLUG	

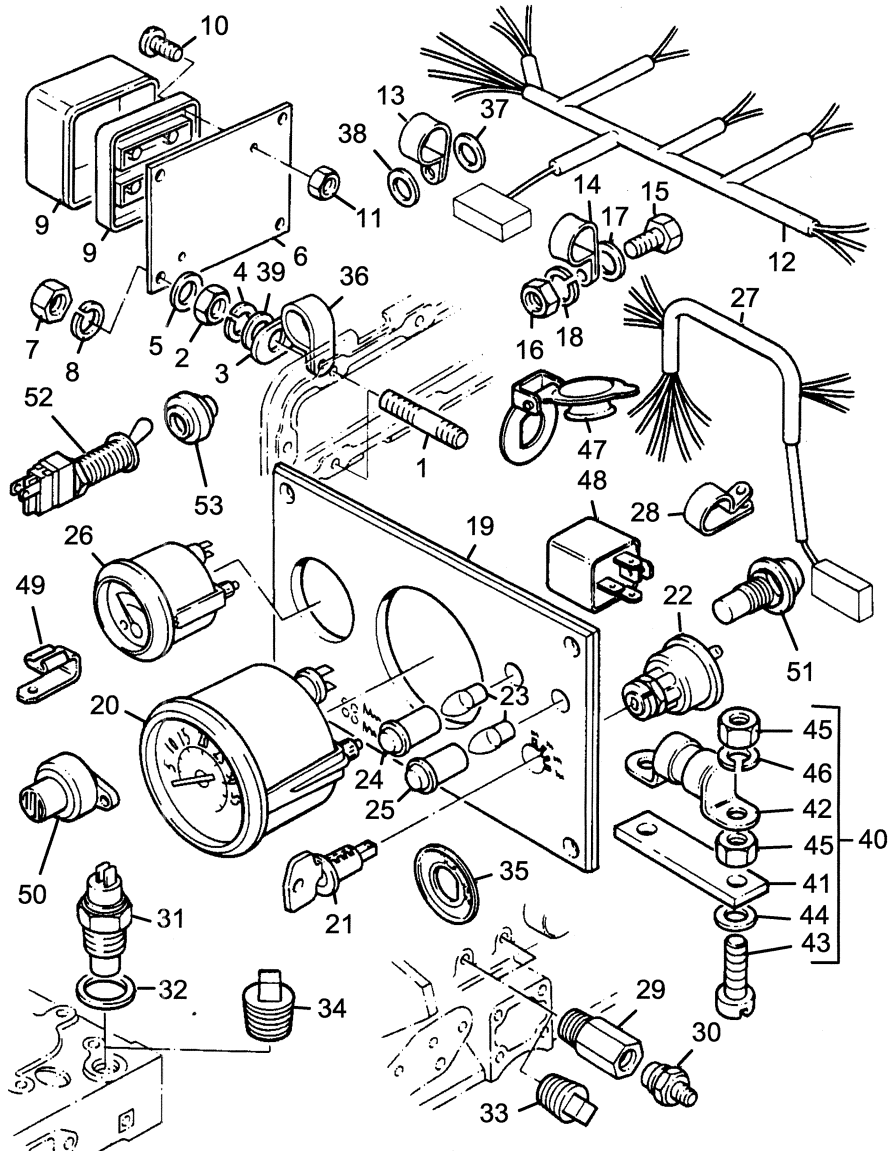
ZMHE0156



Radiator & Cowling		Plate A
		ZMHE0156

Item	Part No.	References	Qty.	Description	Notes
3	2431102		1	PLUG	
4	32161114	● 2461163	1	PLUG	

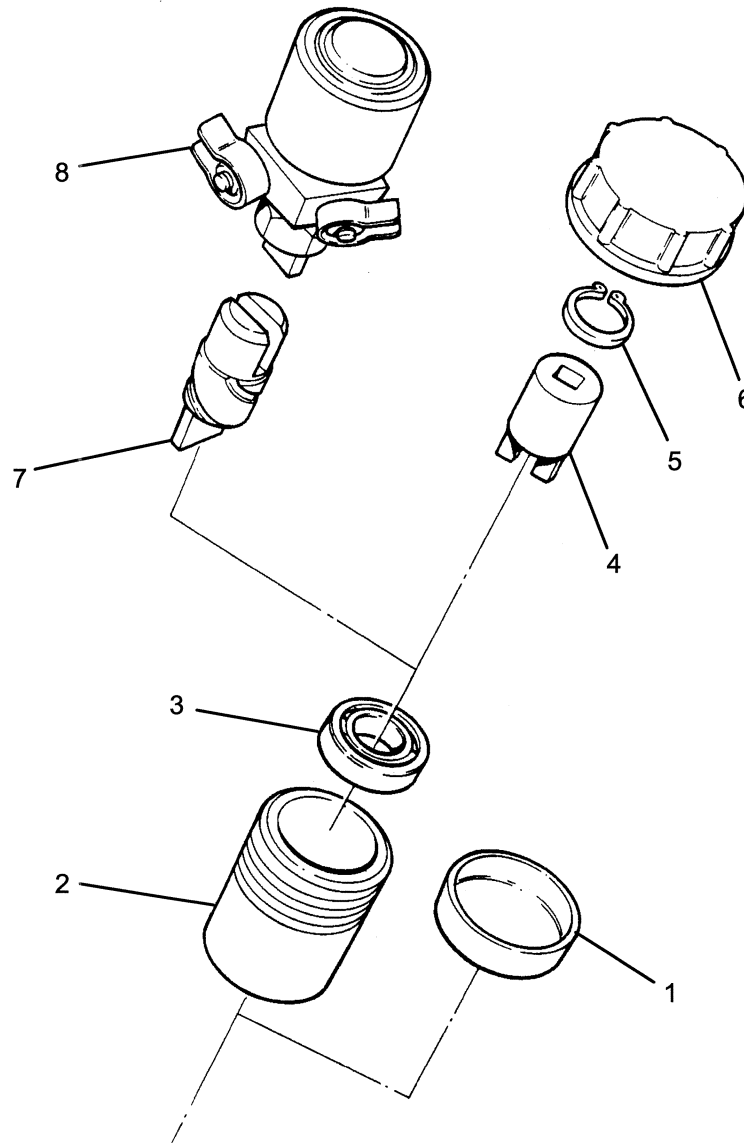
ZNHE0115



Instrumentation Assembly		Plate B
	ZNHE0115	

Item	Part No.	References	Qty.	Description	Notes
34	0650540		1	PLUG	

ZQHE0353

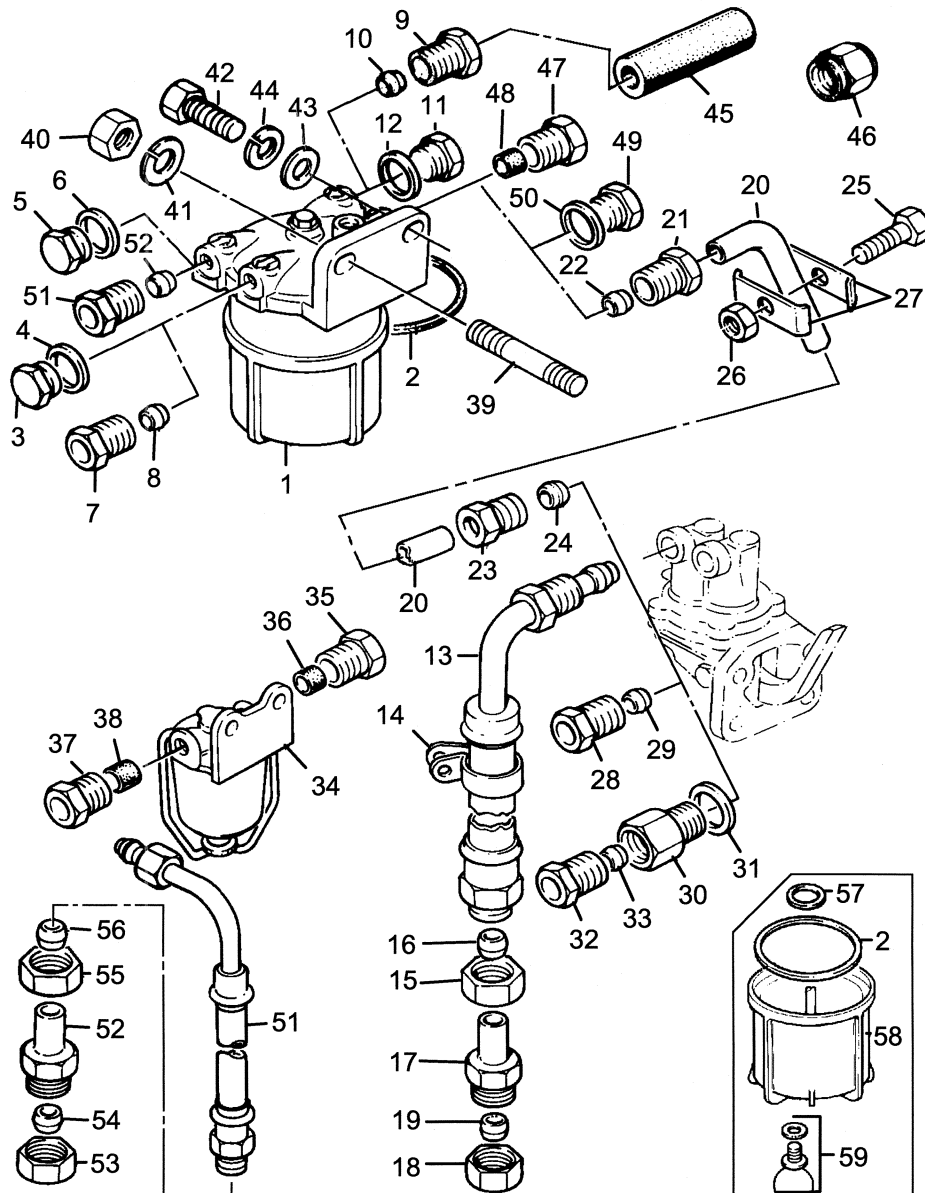


Tachometer & Hour Recorder		Plate A
		ZQHE0353

Item	Part No.	References	Qty.	Description	Notes
2	0770101		1	SLEEVE	
3	0050358		1	BALL BEARING	
4	33473107		1	SHAFT	
5	0170052		1	CIRCLIP	
6	32813106		1	CAP NUT	

● ZVHE0089

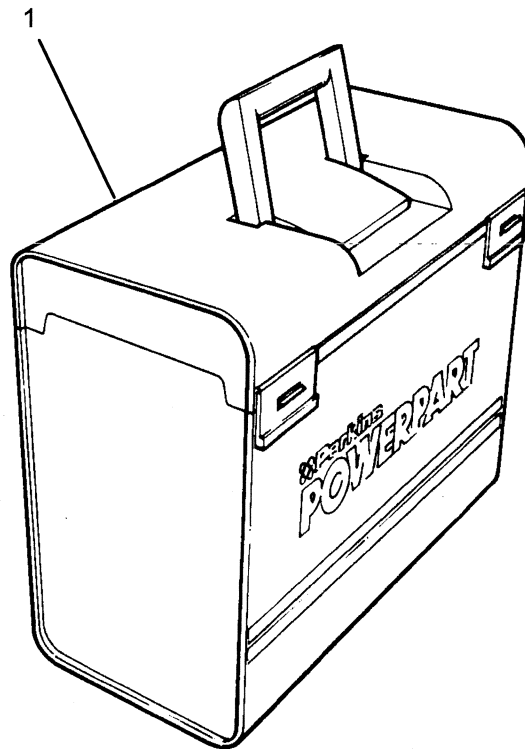
ZVHE0368



Fuel Pre-Lift Pump		Plate A
● ZVHE0089		ZVHE0368

Item	Part No.	References	Qty.	Description	Notes
1	2656088		1	PRE-FUEL FILTER ASSY	
2	└ 0490786		2	SEAL	
3	0650204		1	PLUG	
4	0920154		1	WASHER	
5	0650204		1	PLUG	
6	0920154		1	WASHER	
7	33533112		1	NUT	
8	0566003		1	OLIVE	
9	33533112		1	NUT	
15	0576112		1	NUT	

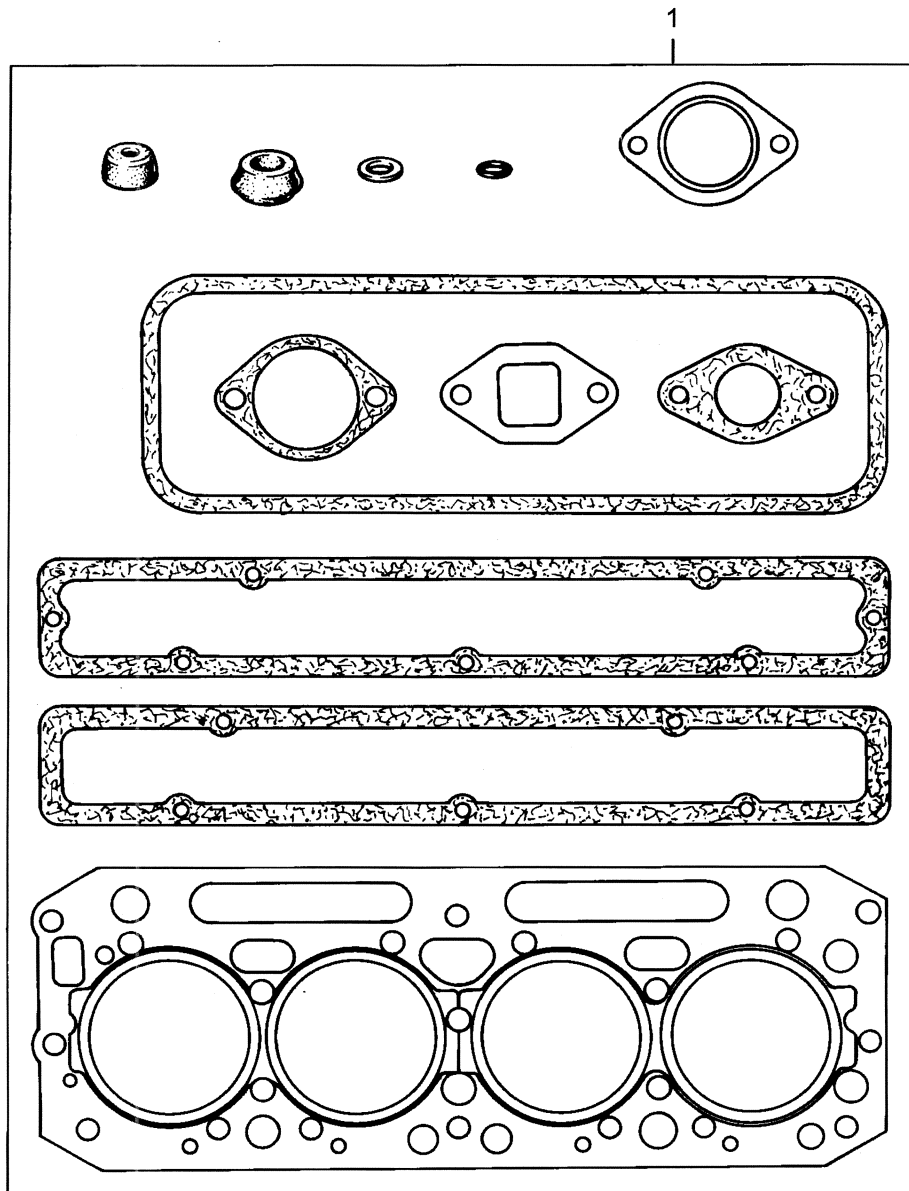
ZZUE0100



Application Miscellaneous & Auxiliaries		Plate H
	ZZUE0100	

Item	Part No.	References	Qty.	Description	Notes
1	U5MK0012		X	REPAIR KIT - ONBOARD	(A)
2	U5MK0011		X	REPAIR KIT - ONBOARD	
Footnotes					
(A)	COMPONENT PARTS NOT ILLUSTRATED				

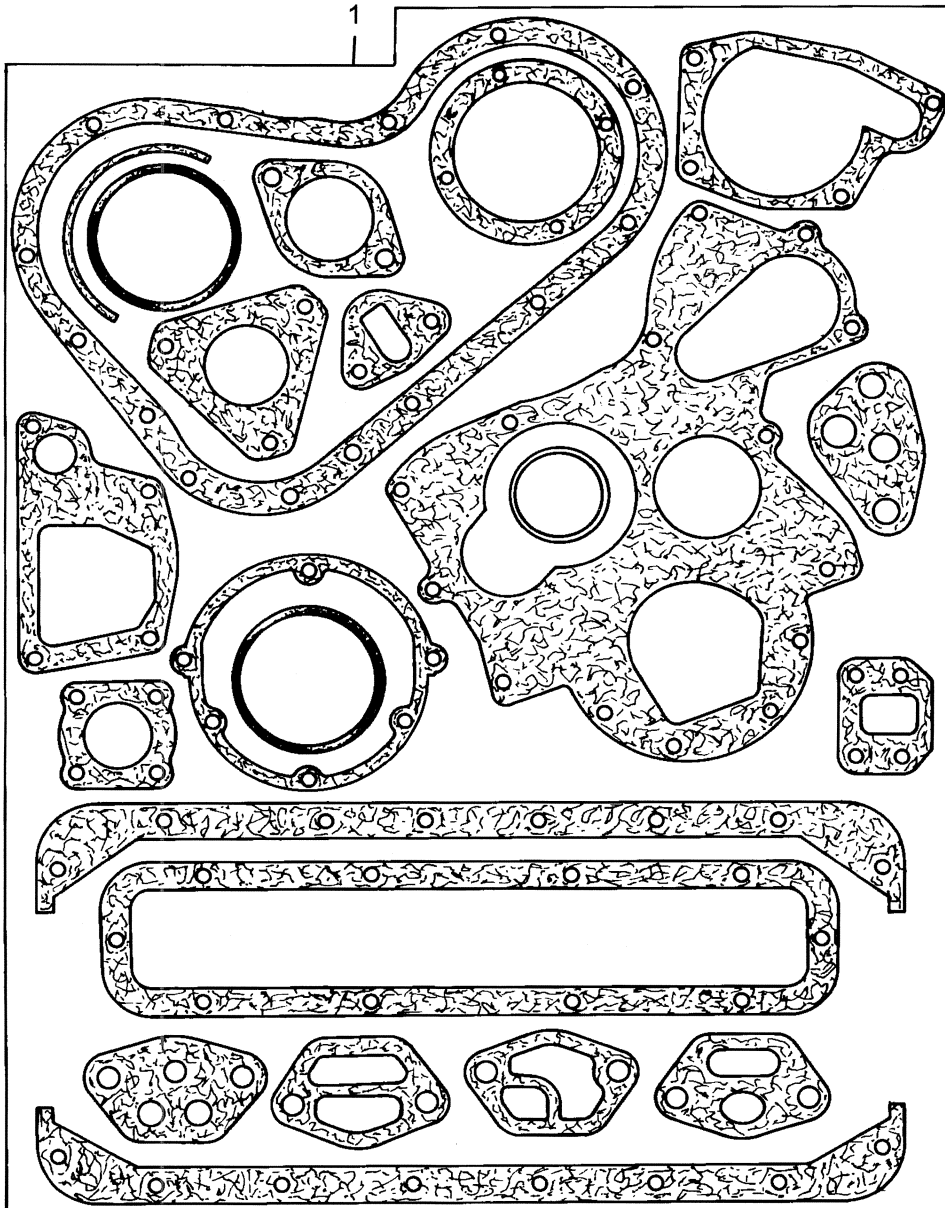
SACE0032



Joints & Gaskets - Top Service Kit		Plate A
	SACE0032	

Item	Part No.	References	Qty.	Description	Notes
1	85786		X	JOINT AND GASKET KIT	

SGBE0087



Joints & Gaskets - Bottom Service Kit		Plate A
	SGBE0087	

Item	Part No.	References	Qty.	Description	Notes
1	U5LB0013		X	JOINT AND GASKET KIT	(A)

Footnotes					
(A)	WAS 68002/92454/92455				

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