

**MITSUBISHI
DIESEL ENGINE
S16R-Y2PTAW**

for EPA Tier2,1800rpm

March 2007

mitsubishi genuine parts

“mitsubishi genuine parts” should be used exclusively for servicing your Mitsubishi engine.

“mitsubishi genuine parts” are superior and reliable because they have been produced under the excellent quality-control system, and have passed the strict inspections.

Imitation parts are not reliable from the viewpoints of their material and manufacturing method which are entirely incomparable with those of genuine parts.

A large assortment of “mitsubishi genuine parts” is always available at any of our authorized dealers, so do your ordering at your nearest dealer by specifying “mitsubishi genuine parts”.

GUIDE FOR USE OF PARTS CATALOGUE

1. This Parts Catalogue service parts for the following Mitsubishi S16R diesel engines.

The applicable engine types and serial numbers are as follows:

ENGINE NAME	MODEL	SPECIFICATION	APPLICABLE SERIAL NO.
S16R	Y2PTAW	For industrial use, turbocharged engine with after-cooler, 1800rpm	12894-UP

2. The following specification codes appear in the Model & Q'ty column:

Y2PTAW-K : S16R-Y2PTAW, without separate shipment parts.

Y2PTAW-M : S16R-Y2PTAW, with separate shipment parts.

3. When ordering parts, give the Mitsubishi dealer or distributor the following information:

(1) Part number (or assembly number) and part name.

(2) Quantity required

(3) Model and serial number

NOTE: In some cases a substitute part is furnished instead of the part ordered.

4. Indication of assembled bolts with washer

Of the standard bolts, those with washers are identified by the symbol "B/W" in the Description column of each list. (Part Name: BOLT, W/WASHER)

For the part numbers of the bolts and washers and those of bolts with washers, refer to the listing (beginning with the page D1) at the end of this parts catalogue. These bolts and washers should be ordered individually.

5. Indication of combination for replaceability -"G"-

The new part to be used in combination with the other part in place of an old part is identified by the symbol "G" in the interchangeability code column of each list.

For the parts to be combined, refer to the listing (beginning with E1) at the end of this parts catalogue.

6. For the numerical index, refer to the page beginning with C1 at the end of this parts catalogue.

7. Some illustration may have some difference from the real part shape when the illustration shows a representation of various parts.

8. The parts and part numbers are subject to change without prior notice.

SAMPLE OF PARTS CATALOGUE

Group number
Group name

07-01 CRANKCASE ASSY

Model type
When these column is blank, it is applicable from serial No. shown on cover and up.

Not applicable to the model of this column

REF. -NO.	PART NO.	R / P	S E N / Q G	PART NAME & DESCRIPTION	MODEL&QTY		APPLICABLE SERIAL NO.		M / V / R / D
					PTAW-K	PTAW-M	FROM@	-@UPTO	
1	32507-70010			CRANKCASE ASSY	1				
1 01	F2846-14000			PIN,DOWEL	4	.			A
1 02	32507-01400			WASHER	14	14			A
1 03	*			CAP,MAIN BEARING	6	6			
1 04	*			CAP,MAIN BEARING	1	1			
1 05	*			CRANKCASE	1	1			
2	32507-02500	C		HANGER B10,B13	1	1		-011285	
	32507-02700	N 1		HANGER B10,B13	1	1	011286-		V
3	32507-04100	Q		SHIM T=0.5	2	.	@011294		
	32507-04100	1		SHIM T=0.5	3	3	011295@		
4	F1805-10025			BOLT,W/WASHER B/W	2	2			A

Part not to be supplied See(3).

See(2)Reference number.

See(4) Interchangeability codes.

See(8)-(a)Description Codes.

See(8)-(c)Specification Codes.

See(8)-(b)Description

See(6)Change codes.

See(5)Sequence-of-change numbers.

Quantity per unit.

Applicable from serial No. indicated.

Applicable from 011295 (Scheduled)if suffixed with @ and sometimes differs from real serial No.

Applicable up to serial No. indicated.

High-demand part. See(11).

Part newly changed or added. See(12).

Applicable up to 011294 (Scheduled)if prefixed with @ and sometimes differs from real serial No.

NOTE: Some of model designations, number of variations and serial numbers, indicated above, are quoted from other parts catalogues.
 Read these items of information as those for this parts catalogue.

NOTE: For the description of each item, refer to the pages which follow.

HOW TO USE THIS PARTS CATALOGUE

(to be referred to together with the former SAMPLE OF PARTS CATALOGUE)

(1)
01 CYLINDER HEAD

- 3-

REF. -NO.	PART NO.	R / P	S E N Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	@UPTO		
1	37501-70051		C	HEAD ASSY, CYLINDER	16	16					
	37501-70052	3	1	HEAD ASSY, CYLINDER	16	16			-013080		V
2	*			HEAD SUB ASSY, CYL	16	16					
2 01	04826-22500			CAP, SEALING	16	16					
2 02	04826-22800			CAP, SEALING	112	112					

(2) (3) (4)(5)(6) (7) (8) (9) (10) (11)(12)

The items (1) thru (12) are as described below:

(1) Compiling system

The systems of a unit are grouped according to their location in the unit. The groups, each identified by group number, are listed in the order by CONTENTS. Each group is preceded by an "exploded view" which clearly illustrates each part in its correct relation to the other parts in the illustration.

(2) Reference number

Abbreviated to "REF. No.", this number is used to locate a part in the illustration.

In cases that the reference number is of three to four digits, the first and second digits show the reference number of an assembly, and the last two digits show the numbers of its component parts.

(3) Part numbers

The part numbers shown in this parts catalogue are those assigned to genuine Mitsubishi parts.

NOTE: Parts with asterisk (*) are not supplied individually.

(4) Interchangeability codes

The interchangeability codes used in this parts catalogue are as follows:

PART NO.	Code (R/P)	DESCRIPTION
A(Old) B(New)	R	B(new part) and A(old part) are mutually interchangeable
A(Old) B(New)	1	A(Old part) is not supplied. B(new part) can be substituted for A(Old part).
A(Old) B(New)	3	B(new part) can be substituted for A(old part). [A(old part) cannot be substituted for B(new part).]
A(Old) B(New)	N	B(new part) and A(old part) are not interchangeable.
A(Old) B(New)	G	B(new part) can be substituted for A(old part) in combination with other part(s). (For the parts to be combined, refer to the listing beginning with the page E1 at the end of this parts catalogue.)

(5) Sequence of change numbers

The parts are changed for improved quality or performance. Their changes are indicated in sequence by numerals (1.2.3...).

Blank : Original

1 : 1st change

2 : 2nd change

3 : 3rd change

(6) Change codes

These codes indicate the reason or purpose of changes of the parts.

A : Added part (a part entered into service)

C : Change of part number

D : Deleted part (a part applicable up to the serial no. expressed in Serial No.column)

E : Added part except above reasons

Q : Change of quantity

(7) Part name

Abbreviations are sometimes used. For the abbreviations, refer to TABLE OF SYMBOLS & ABBREVIATIONS appeared in hind pages of this general information chapter.

NOTE: The location terms L.H (left hand) and R.H(right hand) are as these directions viewed from the flywheel side of an engine.

(8) Description & Abbreviation codes

(a) Description codes (expressed in the first part of Description column).

B/W: Assembled bolt (with washer)

KIT: Part supplied as a kit

STD: Standard part

OPT: Optional part

AR : Part used, as required or by selection or in adjust quantity for necessity

SFN: Semi-finished part

(b) The Description codes in above paragraph (a) are followed by supplementary explanation such as dimensions (thickness, length, etc.) ,manufacturer part number, manufacturer name, etc. as occasion demands.

NOTE: Unless otherwise indicated, the dimensions are shown in millimeter and the name of unit is abbreviated.

(Examples) Thickness: T=1.00 Length: L=1000

Width: W=1500 Height: H=500

(c) Specification codes

Each specification or type of model, and selective specifications of a unit are indicated by codes of three digits. For these codes, refer to LIST OF SPECIFICATION CODES appeared in hind pages of this general information chapter.

NOTE: Unless indicated by the specification codes, the parts may be used for the products of all specifications.

(Examples) A10: For diesel fuel

(d) The parts indicated as "NOT SHOWN", such as component parts of overhaul gasket kit, are not shown in the illustration.

(9) Model & quantity

(a) Model : Model, type, specification, destination, etc. of product to which a parts catalogue applies are indicated in the title column of each variation.

(b) Quantity :Quantity of part or assembly, and its component parts required for one unit of product is indicated.

NOTE: In case "AR" appears in QTY column, it is required to adjust quantity for use.

(10) Applicable serial numbers

Applicable serial numbers of engine are indicated in the "UPTO" or "FROM" column.

Serial numbers with "@" are scheduled ones and sometimes differ from the real serial numbers. If the "FROM " column is blank, the part is applicable to serial number shown on this cover and up.

(11) Management rank

The parts ranked as "A" are high-demand parts. This ranking is to be referred to by dealers, and is devised to facilitate and rationalize their distribution, stocking and inventory of the parts.

(12) The parts changed or added after the last parts list that has been published are identified by "V."

TABLE OF SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ACCEL	ACCELERATOR	ELEC	ELECTRIC
ADJ	ADJUSTING (ADJUSTABLE)	ENG	ENGINE
AIR-CON	AIR-CONDITIONER	EQUIP	EQUIPMENT
ASSY	ASSEMBLY	EXH	EXHAUST
ATT	ATTACHMENT	E/TNK	EXPANSION TANK
AUTO	AUTOMATIC	FITT	FITTING
AUX	AUXILIARY	FLEX	FLEXIBLE
AR	AS REQUIRED	FR	FRONT
B/H	BACKHOE	GSKT	GASKET
BATT	BATTERY	GEN	GENERATOR
BRG	BEARING	GOV	GOVERNOR
B/PMP	BILGE PUMP	G/N	GROUP NUMBER
BRKT	BRACKET	H/EXCH	HEAT EXCHANGER
BUSH	BUSHING	HEX	HEXAGON
CARB	CARBURETOR	HYD	HYDRAULIC
C/L	CENTERLINE	H=	HEIGHT
COMPR	COMPRESSOR	IND	INDUSTRIAL
CON-ROD	CONNECTING-ROD	INJ	INJECTION
C/MBR	CROSS-MEMBER	INSTAL	INSTALLATION
CYL	CYLINDER	INST	INSTRUMENT
DIA	DIAMETER	INTLK	INTERLOCK
DIFF	DIFFERENTIAL	JUNC	JUNCTION
DISTR	DISTRIBUTOR	KD	KNOCKDOWN
DR	DRIVE	L.H	LEFT HAND
D=	OUT DIAMETER	LUB	LUBRICATION
		L=	LENGTH

TABLE OF SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION	
MANF	MANIFOLD		STD	STANDARD	
MAX	MAXIMUM		SUPT	SUPPORT	
MIN	MINIMUM		SYM	SYMBOL	
MTR	MOTOR		SYNCH	SYNCHRONIZER	
MTG	MOUNTING		SYS	SYSTEM	
			TEMP	TEMPERATURE	
NO.	NUMBER		TERM	TERMINAL	
OPT	OPTION		T/CONV	TORQUE-CONVERTER	
O/D	OVER DRIVE		T/F	TRANSFER	
O.S	OVERSIZE		T/M	TRANSMISSION	
PTO	POWER TAKE-OFF		T/HSG	TURBINE-HOUSING	
P/S	POWER STEERING		T/C	TURBOCHARGER	
PRESS	PRESSURE		T=	THICKNESS	
P/N	PART NUMBER		U/BODY	UNDERBODY	
QTY	QUANTITY		U.S	UNDERSIZE	
			UNIV	UNIVERSAL	
RAD	RADIATOR		VAC	VACUUM	
RE	REAR		VENT	VENTILATOR	
REG	REGULATOR		W/STRIP	WEATHERSTRIP	
REV	REVERSE		W/	WITH	
R.H	RIGHT HAND		W/O	WITHOUT	
REF.NO.	REFERENCE		W/W	WOODWARD	
R/N	REFERENCE		W/PMP	WATER PUMP	
S/PMP	SEA WATER PUMP		W=	WIDTH	
SECT	SECTION		Z=	NUMBER OF GEAR TEETH	
S/MBR	SIDEMEMBER				

TABLE OF SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION
1ST	FIRST			
2ND	SECOND			
3RD	THIRD			
4TH	FOURTH			
5TH	FIFTH			
&	AND			
@	UNCONFIRMED			
*	PART NOT TO BE SUPPLIED			

CONTENTS

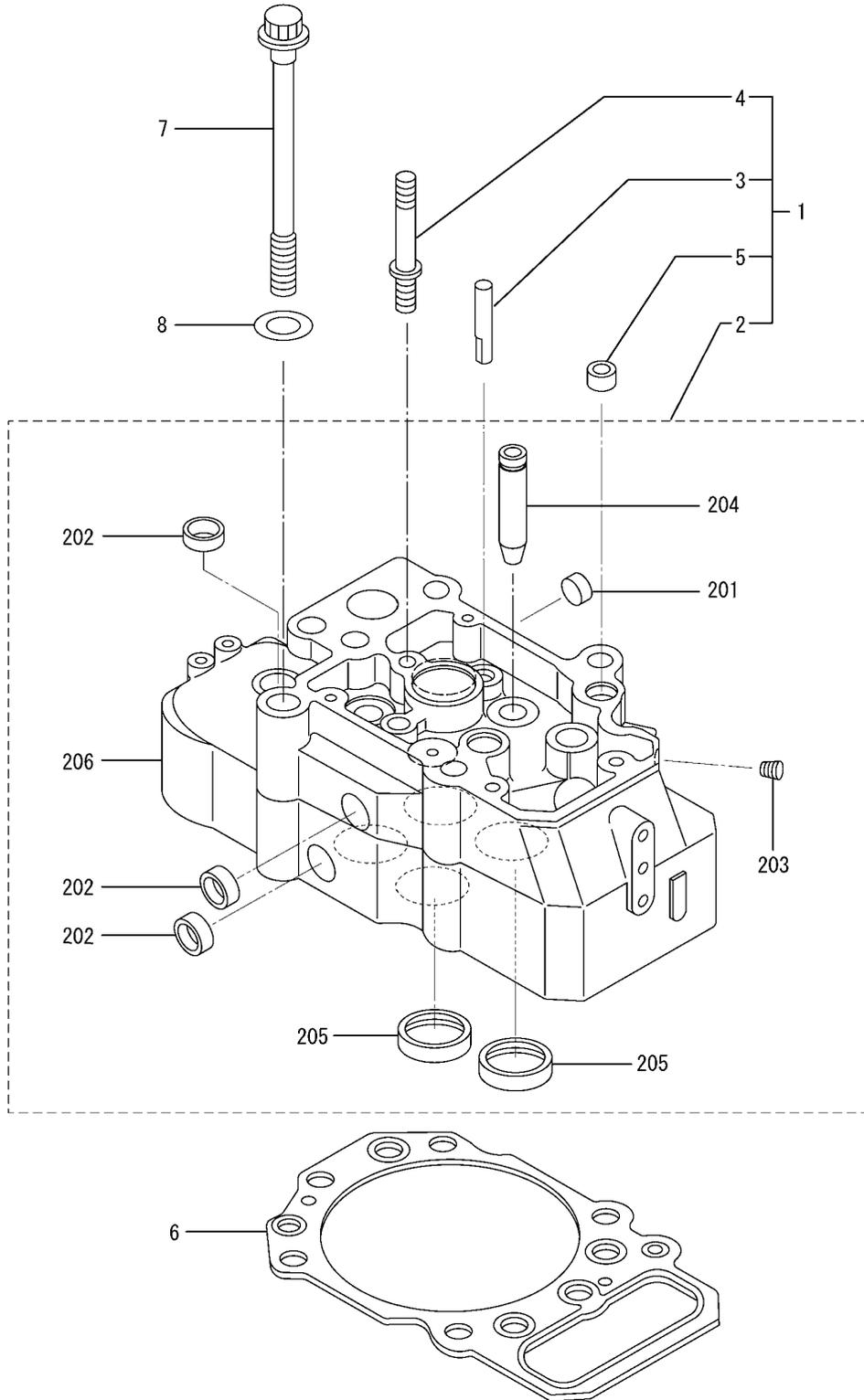
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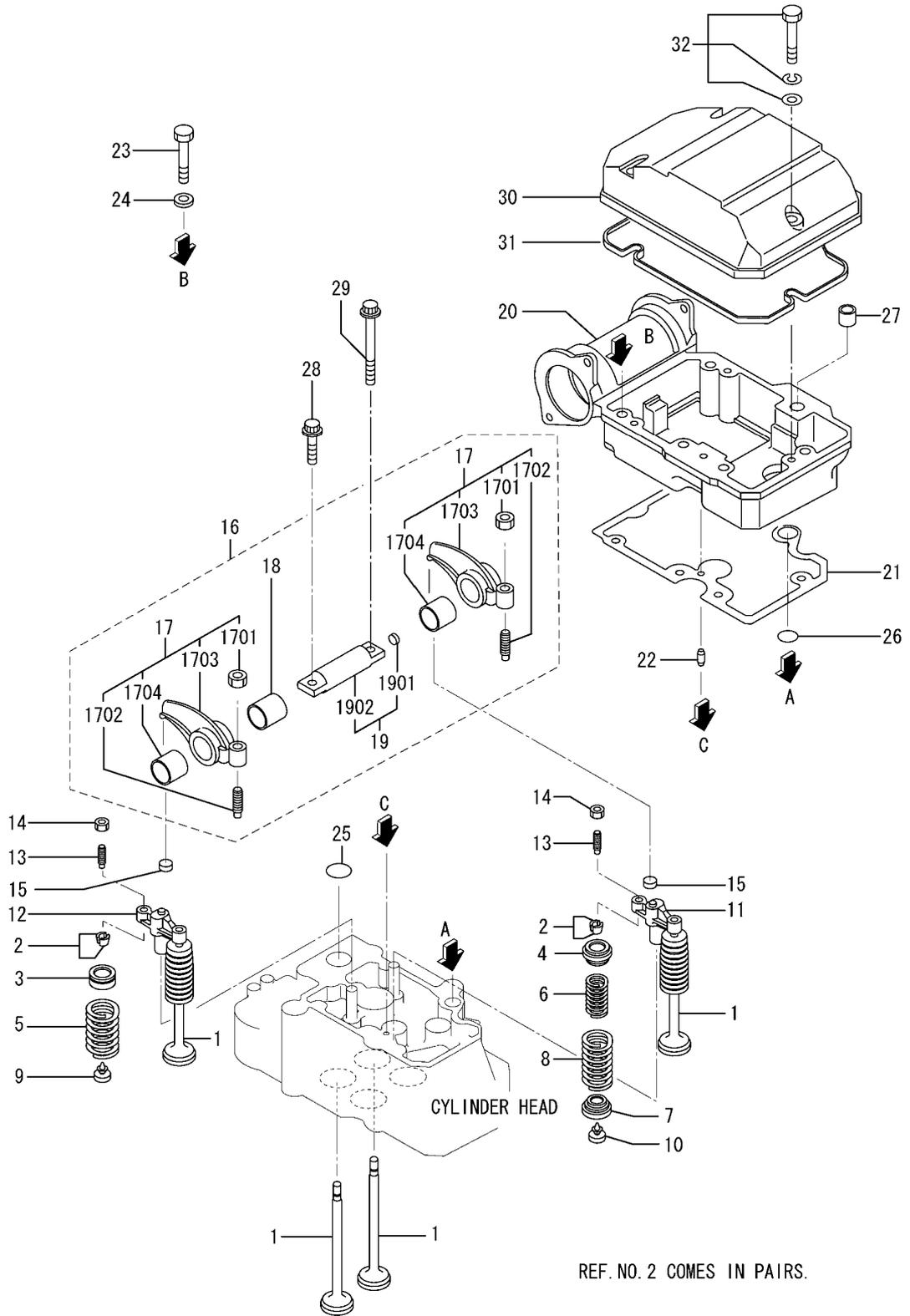
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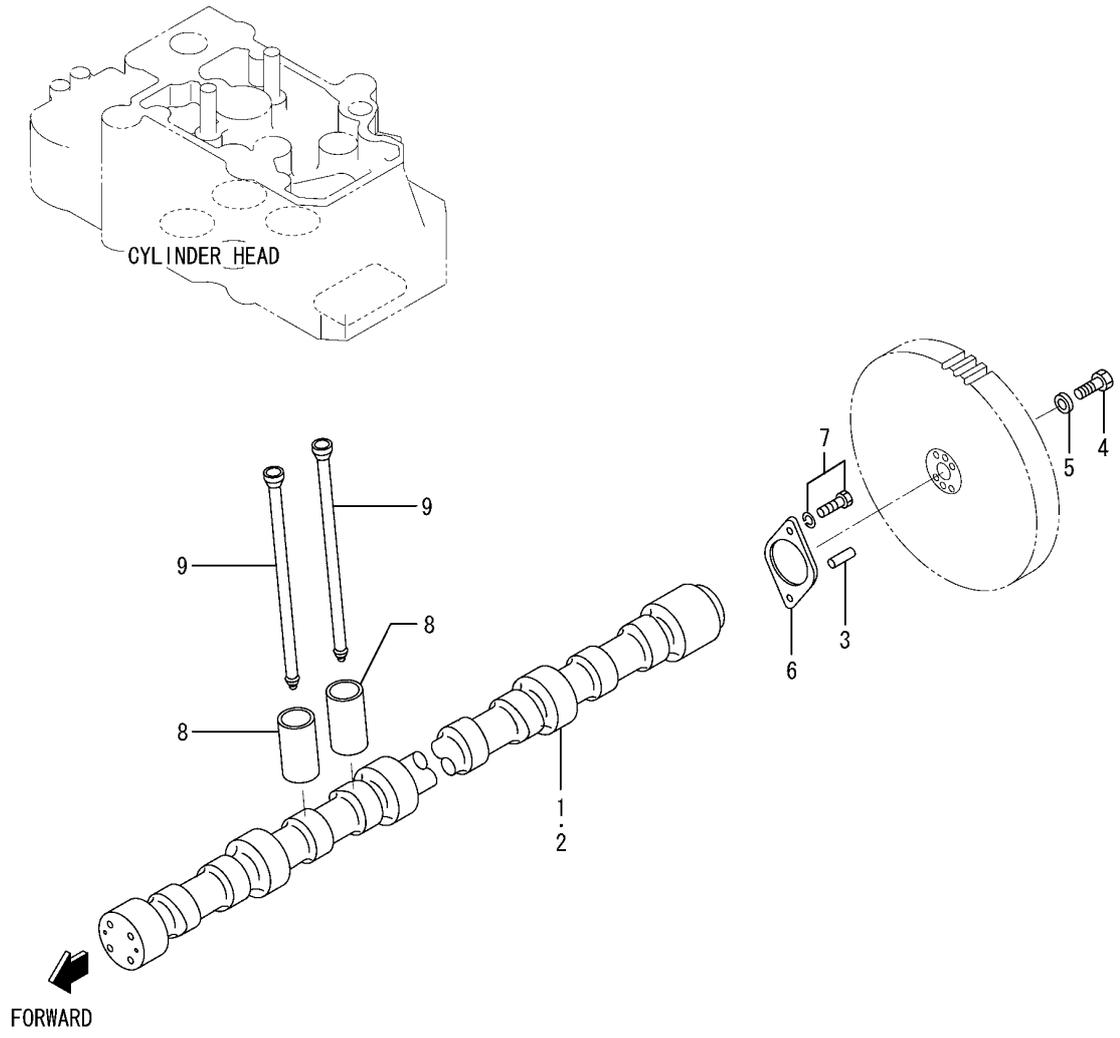
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01 CYLINDER HEAD





REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37504-30200			VALVE	64	64					
2	32504-00400			COTTER	128	128				A	
3	37504-00300			ROTATOR	32	32					
4	37504-01300			ROTATOR, UPPER	32	32					
5	37504-10400			SPRING, VALVE	32	32				A	
6	37504-10600			SPRING, VALVE	32	32				A	
7	37504-10800			RETAINER, LOWER	32	32				A	
8	37504-20500			SPRING, VALVE	32	32				A	
9	33504-10300			SEAL, VALVE STEM	32	32				A	
10	37504-00900			SEAL, VALVE STEM	32	32				A	
11	37504-03400			BRIDGE, EXHAUST	16	16					
12	37504-03500			BRIDGE, INLET	16	16					
13	37104-13300			SCREW, ADJUSTING	32	32				A	
14	F2305-10000			NUT	32	32				A	
15	30004-24302			CAP	32	32					
16	*			ROCKER & SHAFT ASSY	16	16					
17	37504-22021			ROCKER ASSY	32	32					
17 01	F2305-12000			NUT, LOCK	32	32				A	
17 02	37104-02800			SCREW, ADJUSTING	32	32				A	
17 03	*			ROCKER	32	32					
17 04	37504-32500			BUSHING, ROCKER	32	32					
18	37504-04300			SPACER	16	16					
19	37504-54011			SHAFT ASSY, ROCKER	16	16					
19 01	04826-21000			CAP, SEALING	16	16					
19 02	*			SHAFT, ROCKER	16	16					
20	37504-51100			CASE, ROCKER	16	16			-013441		
21	37504-51101	3	1	CASE, ROCKER	16	16					V
22	37504-31200			PACKING, ROCKER CASE	16	16				A	
23	F2846-06000			PIN, DOWEL	16	16				A	
23	F1035-12085			BOLT	80	80				A	
24	37525-07901			WASHER	80	80				A	
25	37504-02300			O-RING	16	16				A	
26	05507-10200			O-RING	16	16				A	
27	37501-01501			PIN, DOWEL	16	16				A	
28	MH000854			BOLT, FLANGE	16	16					
29	37504-14600			BOLT	16	16					
30	37504-26100			COVER, ROCKER	16	16					
31	37504-56200			O-RING, ROCKER COVER	16	16			-012902	A	
31	37504-66200	3	1	O-RING, ROCKER COVER	16	16				A	V
32	F1825-10065			BOLT, W/WASHER	48	48				A	

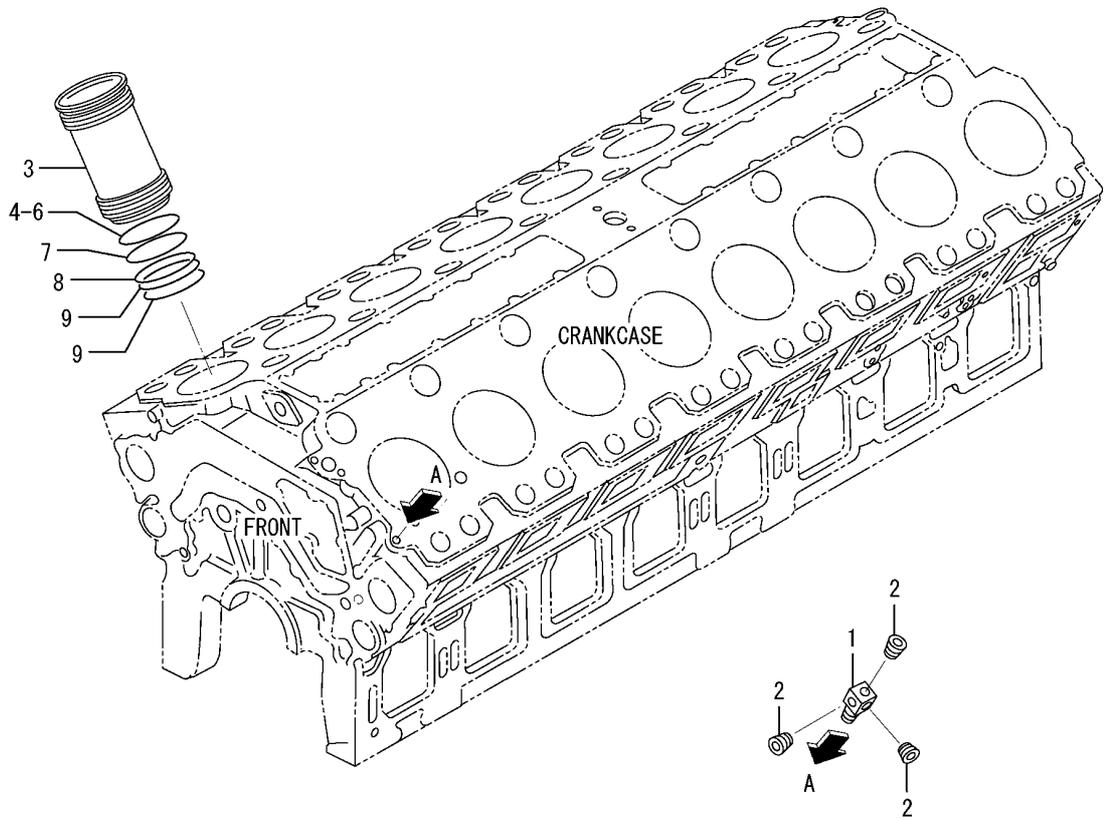


07-00-01 CRANKCASE (CASE ASSY)

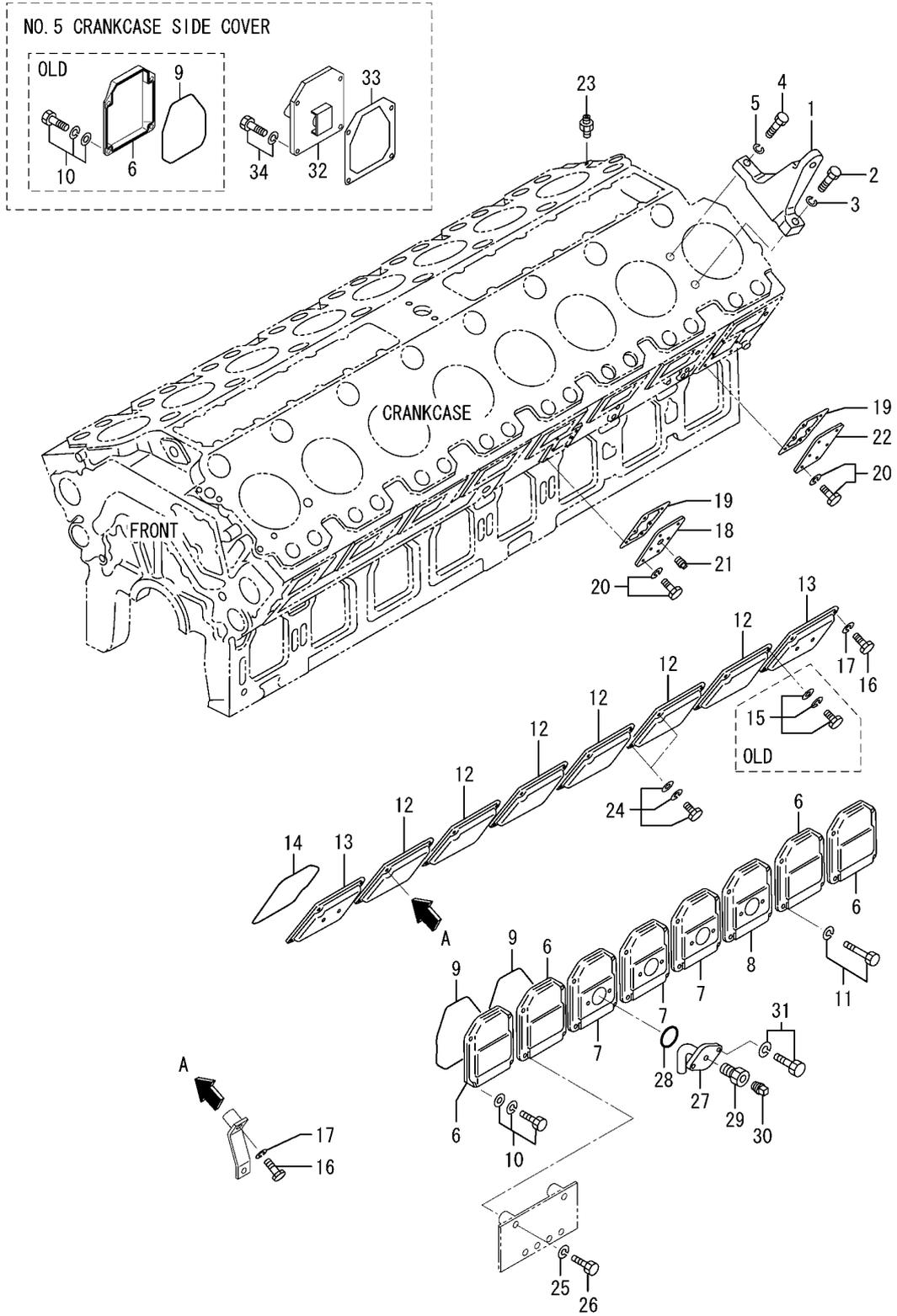
REF. -NO.	PART NO.	R / P	S E N G P Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37807-50012		C	CRANKCASE ASSY	1	1					
	37807-70010	3	1	C CRANKCASE ASSY	1	1			-013006		
	37807-70011	3	2	CRANKCASE ASSY	1	1			@013463		V
2	*			CRANKCASE SUB ASSY	1	1					
2 01	05507-10220		A	O-RING	18	18		013007-			A
2 02	32507-01400			WASHER	36	36					A
2 03	37707-01701			BOLT, CAP SIDE	18	18					
2 04	*			CAP, BEARING	8	8					
2 05	37707-11801			BOLT, BEARING CAP	36	36					A
2 06	*			CAP, BEARING, RE	1	1					
2 07	*			CRANKCASE	1	1					
3	37707-01900			PIN, DOWEL	6	6					A
4	F2846-08000			PIN, DOWEL	2	2					A
5	32307-02600		C	PIN, DOWEL	32	32			@013463		A
	37807-02600	3	1	PIN, DOWEL	32	32					A V
6	37507-03100			BUSHING, CAMSHAFT	2	2					
7	37507-03200			BUSHING, CAMSHAFT	16	16					
8	37507-03900			BOLT, SET	18	18					A
9	05946-01201			WASHER, SEALING	18	18					A
10	32307-02500			PIN, DOWEL	4	4					A
11	37507-00701			PLATE, NOZZLE	2	2					
12	32607-10700			PLATE, PLUG	1	1					
13	05507-10340			O-RING	3	3					A
14	F2846-20000			PIN, DOWEL	8	8					A
15	F2846-12000			PIN, DOWEL	4	4					A
16	04827-71300			PLUG, TAPERED	2	2					A
17	04827-71700			PLUG, TAPERED	1	1					A

07-00-02 CRANKCASE (CYLINDER LINER)

- 10-



07-01-01 CRANKCASE PARTS (SIDE COVER)

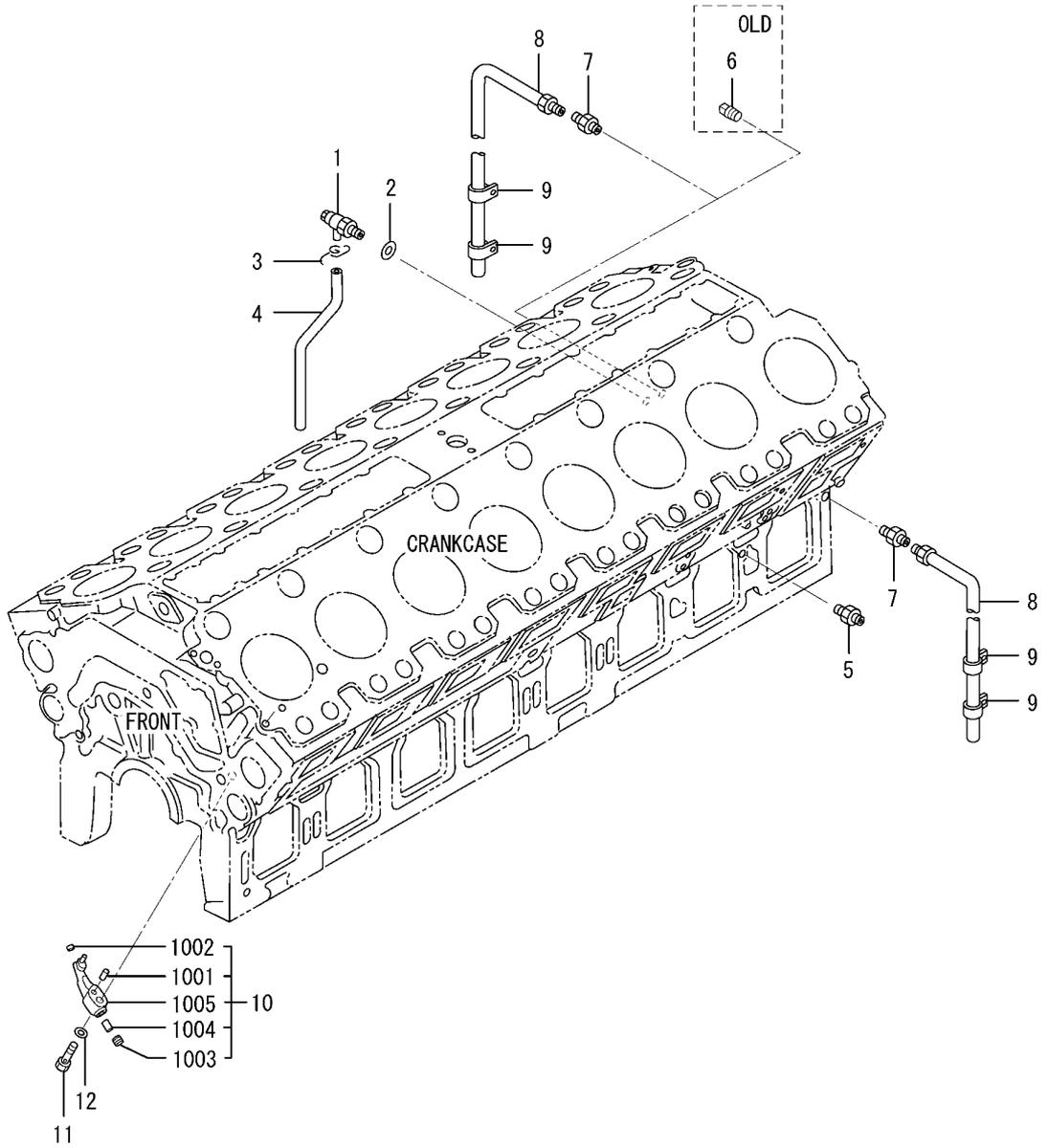


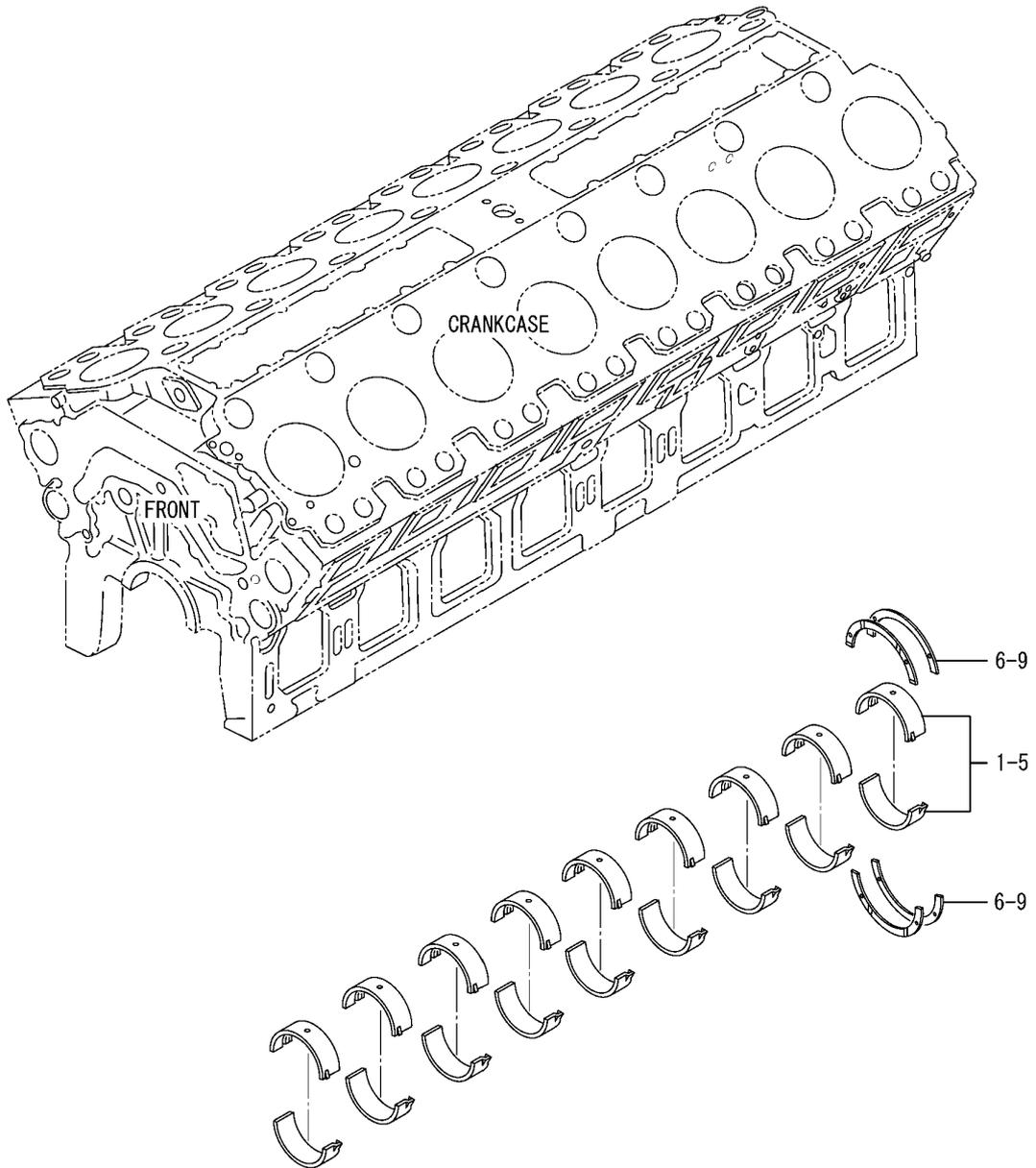
07-01-01 CRANKCASE PARTS
(SIDE COVER)

- 13-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37707-20901			HANGER	4	4					
2	F1035-20075			BOLT	4	4					A
3	F2515-20000			WASHER, SPRING	4	4					A
4	F1035-16055			BOLT	4	4					A
5	F2515-16000			WASHER, SPRING	4	4					A
6	37507-27100		Q	COVER, SIDE	11	11					
7	37507-27100	1		COVER, SIDE	10	10		013265-	-013264		
8	37507-27200			COVER, SIDE	4	4					
9	37807-17200			COVER, SIDE	1	1					
9	37507-37300	Q		O-RING	16	16			-013264		A
10	37507-37300	1	C	O-RING	15	15		013265-	-013391		A
10	37507-16400	3	2	O-RING	15	15		013265-			A V
10	F1825-12030	Q		BOLT, W/WASHER B/W	58	58			-013044		A
10	F1825-12030	1	Q	BOLT, W/WASHER B/W	56	56		013045-	-013264		A
10	F1825-12030	2		BOLT, W/WASHER B/W	52	52		013265-			A
11	F1805-12050			BOLT, W/WASHER B/W	2	2					A
12	37507-37400			COVER, CAM ROOM	13	13					
13	37507-37800			COVER, CAM ROOM	3	3					
14	37507-37600	C		O-RING	16	16			-013267		A
14	37507-16500	3	1	O-RING	16	16					A V
15	F1825-12030	D		BOLT, W/WASHER B/W	26	26			-012933		A
16	F1035-12065	Q		BOLT	4	4			-013264		A
17	F1035-12065	1		BOLT	6	6		013265-			A
17	F2515-12000	Q		WASHER, SPRING	4	4			-013264		A
17	F2515-12000	1		WASHER, SPRING	6	6		013265-			A
18	37807-06400			COVER	2	2					
19	37807-16200			PACKING	4	4					A
20	F1805-12025			BOLT, W/WASHER B/W	24	24					A
21	F5006-21000			PLUG, TAPERED	2	2					A
22	37807-06100			COVER	2	2					
23	F4540-12000			CONNECTOR	1	1					
24	F1825-12025	Q		BOLT, W/WASHER B/W	32	32			-012933		A
24	F1825-12025	1	Q	BOLT, W/WASHER B/W	60	60		012934-	-013264		A
24	F1825-12025	2		BOLT, W/WASHER B/W	58	58		013265-			A
25	F2515-12000			WASHER, SPRING	4	4					A
26	F1035-12075			BOLT	4	4					A
27	47510-51700			CONNECTOR	1	1					
28	05507-20550			O-RING	1	1					A
29	64393-46700			CONNECTOR	1	1					
30	F5006-10000			PLUG, TAPERED	1	1					A
31	F1805-10025			BOLT, W/WASHER B/W	2	2					A
32	37807-07300	A		COVER, SEDE BREATHER	1	1		013265-			V
33	37707-17200	A		PACKING, SIDE COVER	1	1		013265-			A V
34	F1805-12030	A		BOLT, W/WASHER B/W	4	4		013265-			A V

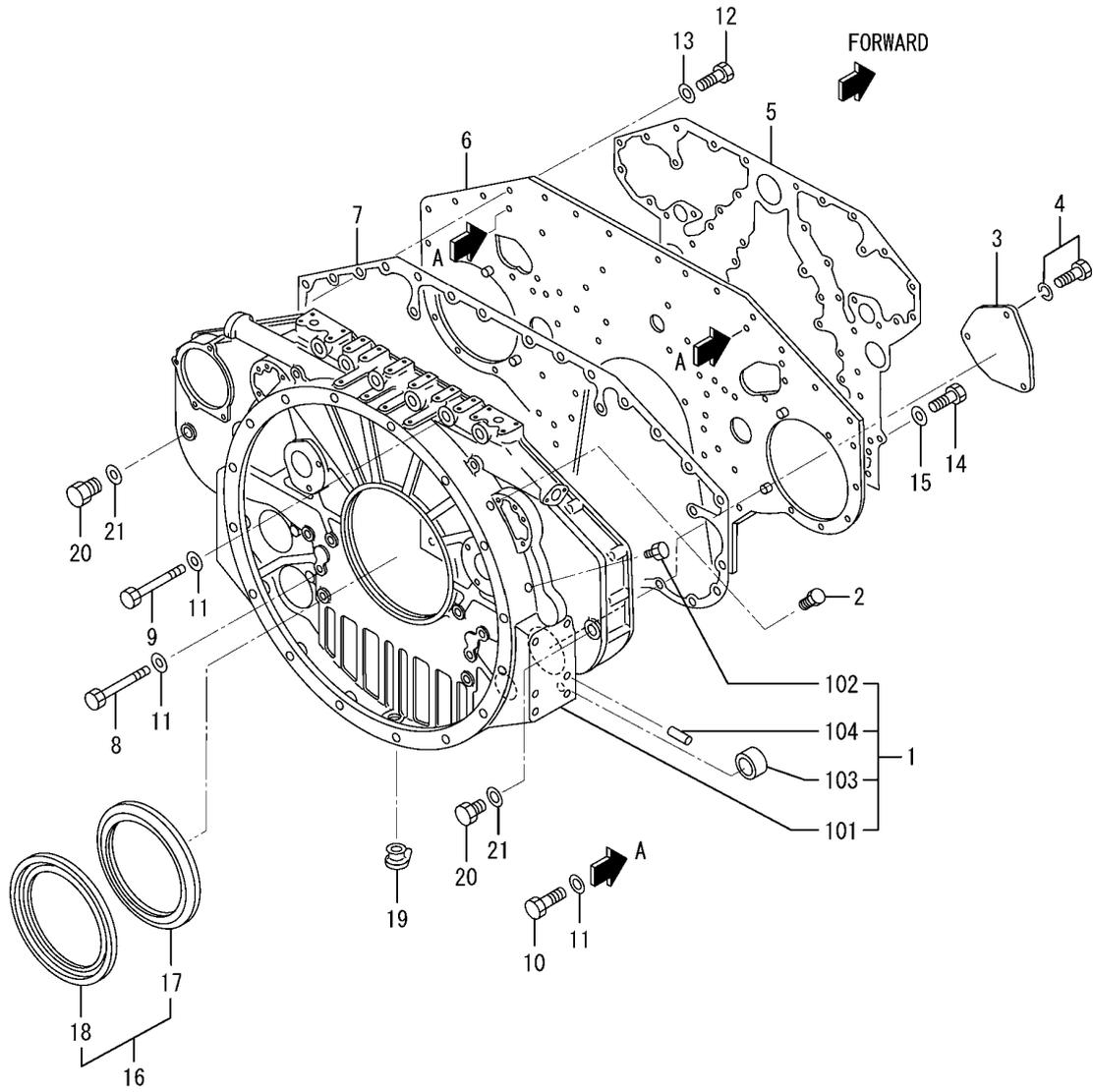
07-01-02 CRANKCASE PARTS (OIL JET & DRAIN)



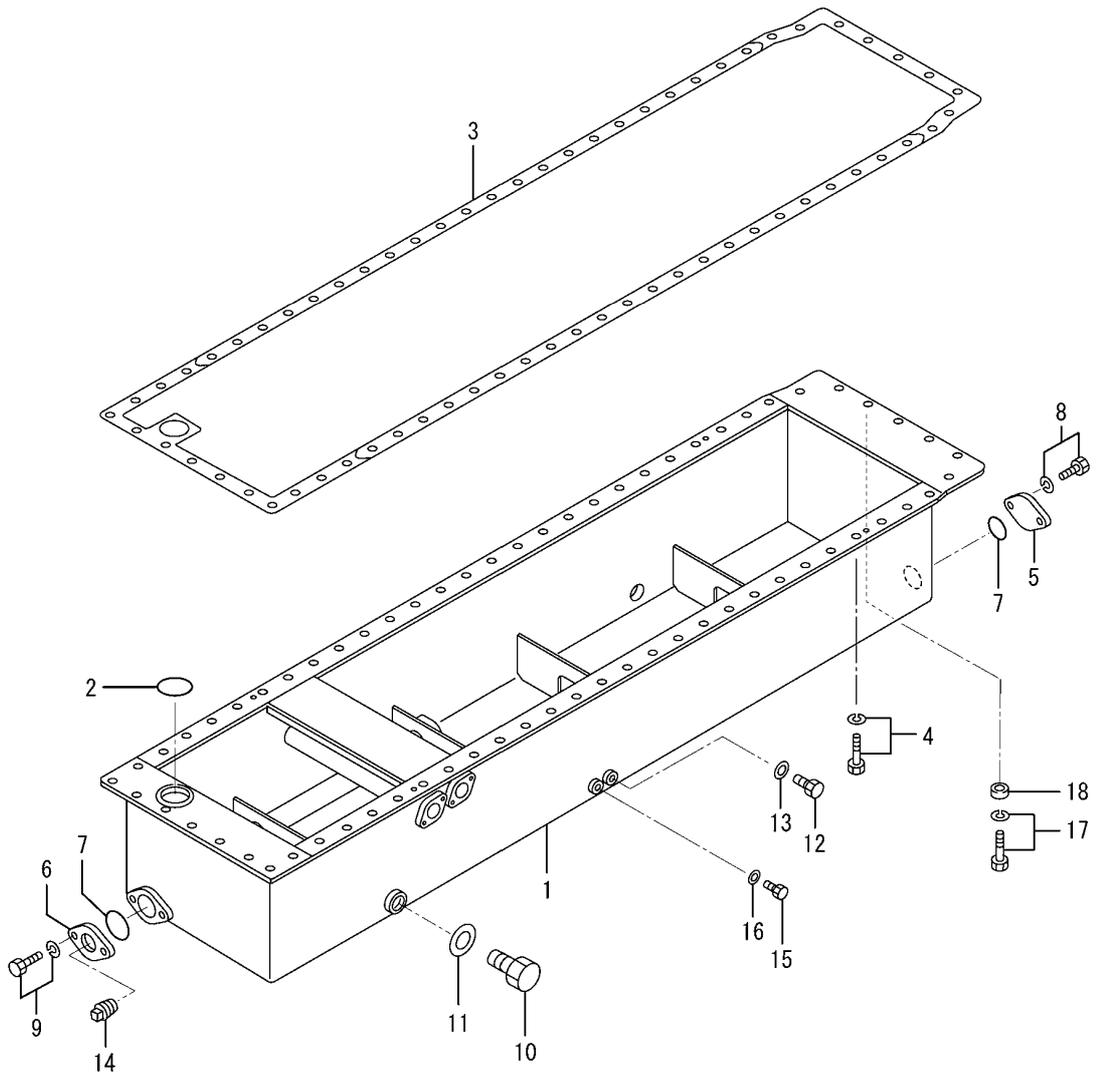


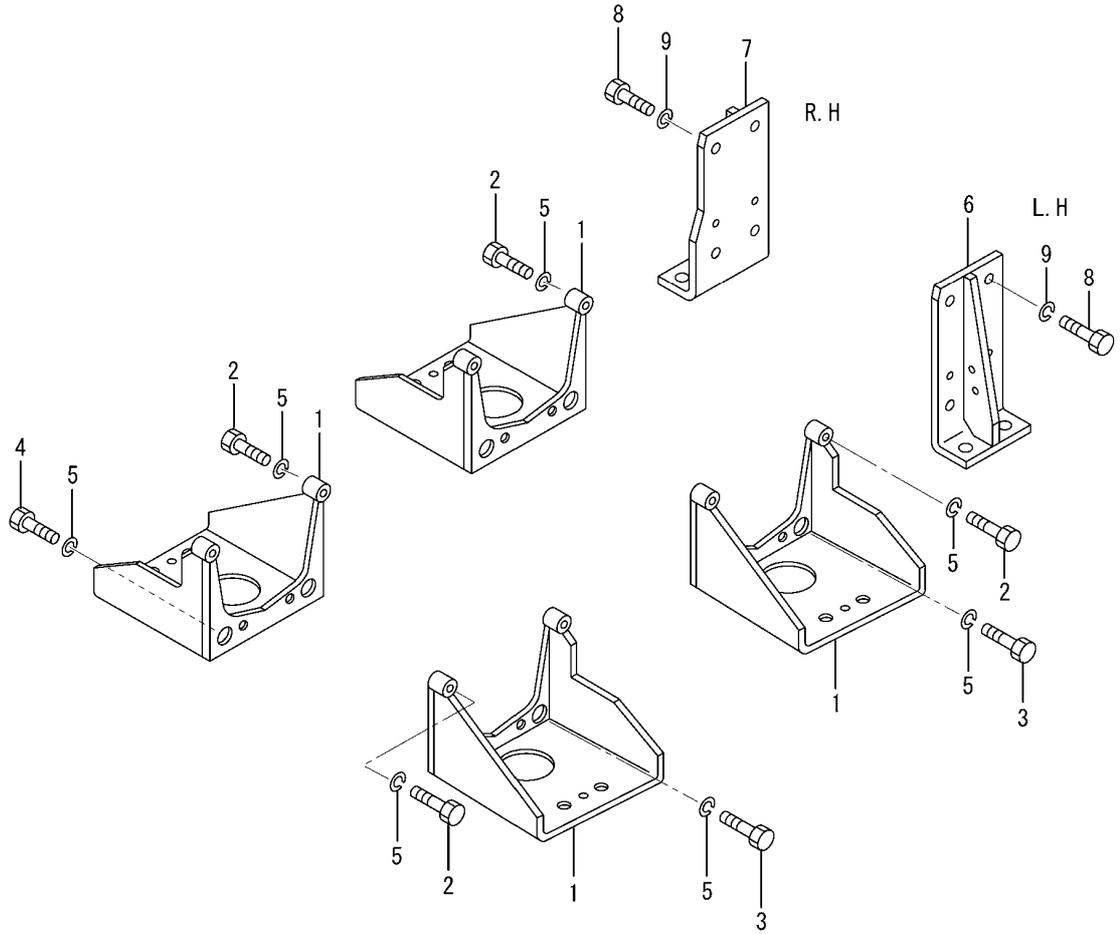
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION		MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37709-12010			BEARING SET, MAIN	STD	9	9					A
2	37709-12020			BEARING SET, MAIN	U. S 0. 25	9	9					A
3	37709-12030			BEARING SET, MAIN	U. S 0. 50	9	9					A
4	37709-12040			BEARING SET, MAIN	U. S 0. 75	9	9					A
5	37709-12050			BEARING SET, MAIN	U. S 1. 00	9	9					A
6	37709-18100			PLATE, THRUST	STD	4	4					
7	37709-18200			PLATE, THRUST	0. S 0. 25	4	4					
8	37709-18300			PLATE, THRUST	0. S 0. 50	4	4					
9	37709-18400			PLATE, THRUST	0. S 0. 75	4	4					

11 TIMING GEAR CASE



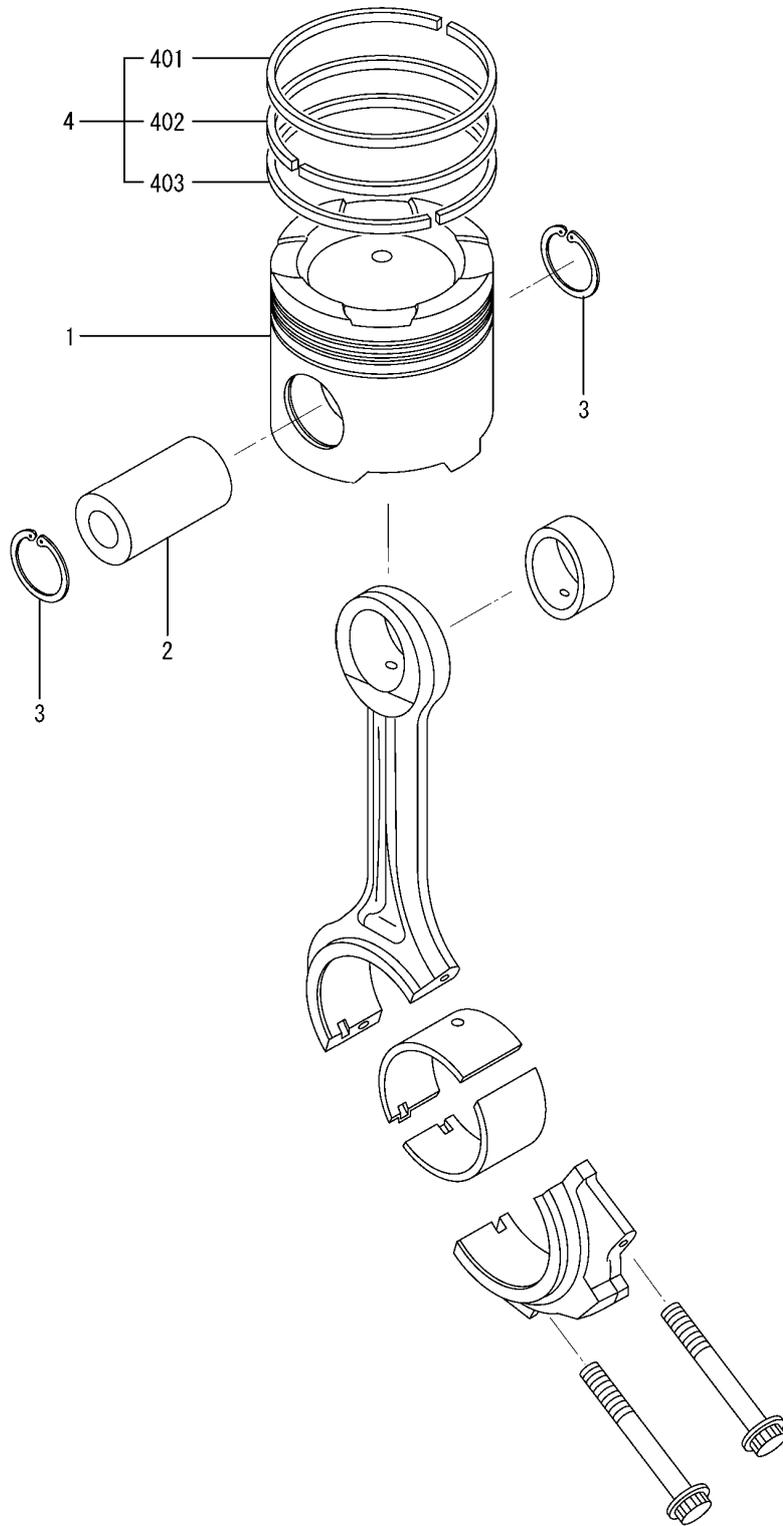
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37711-75011		C	CASE ASSY, TIMING	1	1			-012964		
	37711-06030	3	1	CASE ASSY, TIMING	1	1			@013490		
	37711-06031	3	2	CASE ASSY, TIMING	1	1			@013500		V
	37711-06032	3	3	CASE ASSY, TIMING	1	1					V
1 01	*			CASE, TIMING GEAR	1	1					
1 02	37411-02300			PLUG	1	1				A	
1 03	05605-05030		C	BUSHING	1	1			@013490		V
	05660-05030	3	1	BUSHING	1	1					
1 04	F2846-18000			PIN, DOWEL	4	4				A	
2	37411-02300			PLUG	1	1				A	
3	37766-03200			COVER	1	1					
4	F1805-12020			BOLT, W/WASHER	3	3				A	
5	37711-10200			PACKING, REAR	1	1				A	
6	37711-45300			PLATE, REAR	1	1					
7	37711-25400			PACKING	1	1				A	
8	05978-16155			BOLT	10	10				A	
9	05978-16115			BOLT	6	6				A	
10	F1035-16030			BOLT	2	2				A	
11	31201-71800			WASHER	18	18				A	
12	F1035-12025			BOLT	34	34				A	
13	37525-07901			WASHER	34	34				A	
14	F1035-12025			BOLT	10	10				A	
15	37525-07901			WASHER	10	10				A	
16	*			SEAL ASSY, OIL	1	1					
17	37411-04200			SLINGER	1	1					
18	37711-04300			SEAL, OIL	1	1				A	
19	30912-01400			PLUG	1	1				A	
20	F5000-20000			PLUG, DRAIN	2	2				A	
21	05946-02001			WASHER, SEALING	2	2				A	

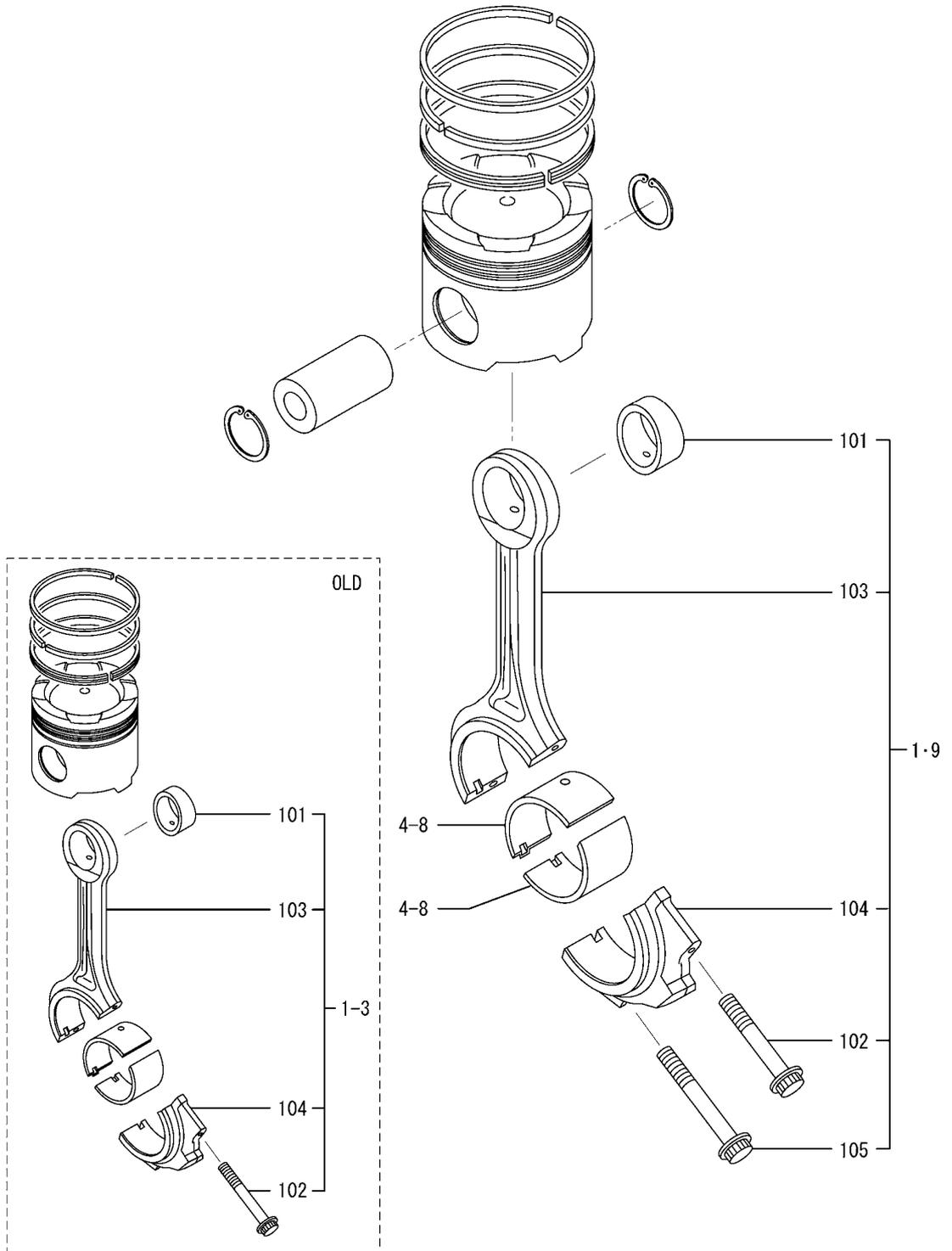


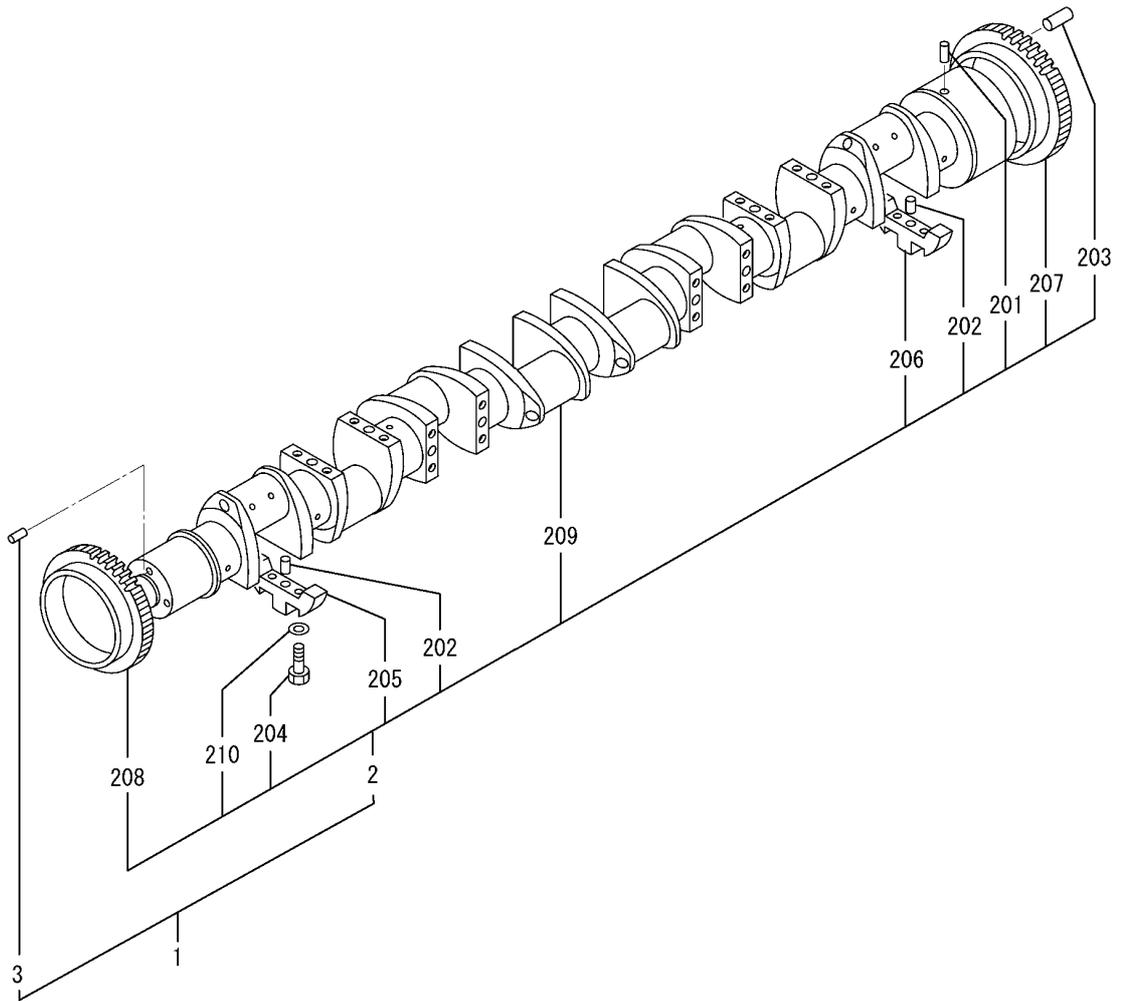


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY		APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M	FROM@-	-@UPTO		
1	37714-20100			BRACKET, MOUNTING	FRONT	4	4			
2	F1035-20080			BOLT		8	8			A
3	F1035-20050			BOLT		7	7			A
4	F1035-20035			BOLT		1	1			A
5	F2515-20000			WASHER, SPRING		16	16			A
6	37714-32100			BRACKET, MOUNTING	REAR, L. H	1	1			
7	37714-22200			BRACKET, MOUNTING	REAR, R. H	1	1			
8	F1035-20045			BOLT		8	8			A
9	F2515-20000			WASHER, SPRING		8	8			A

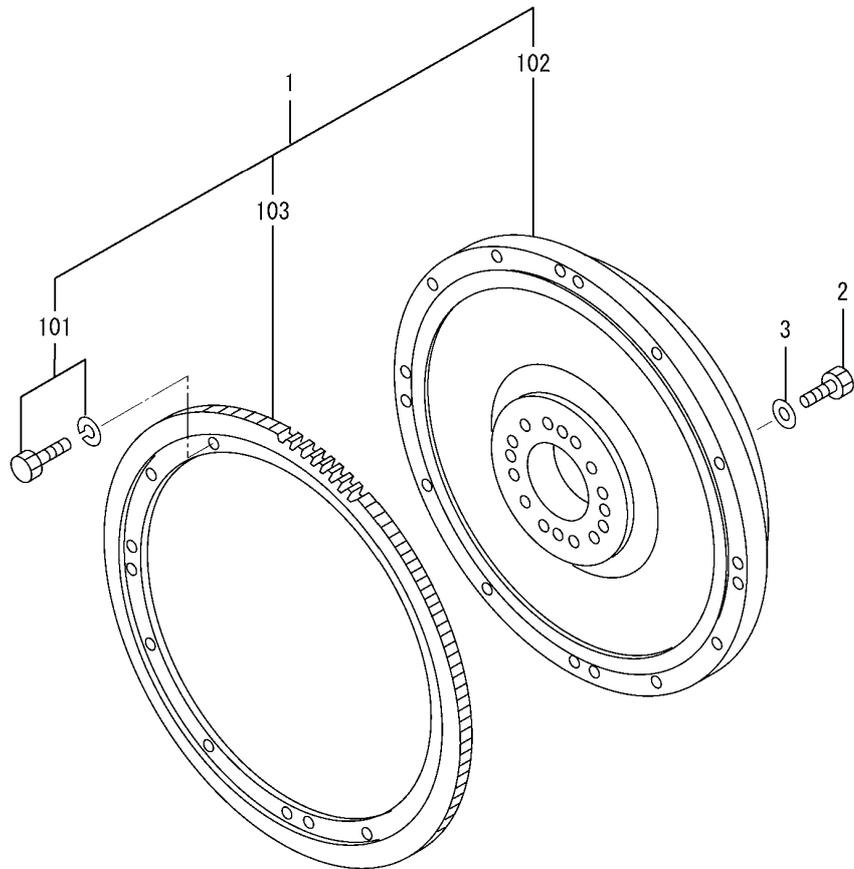
PISTON



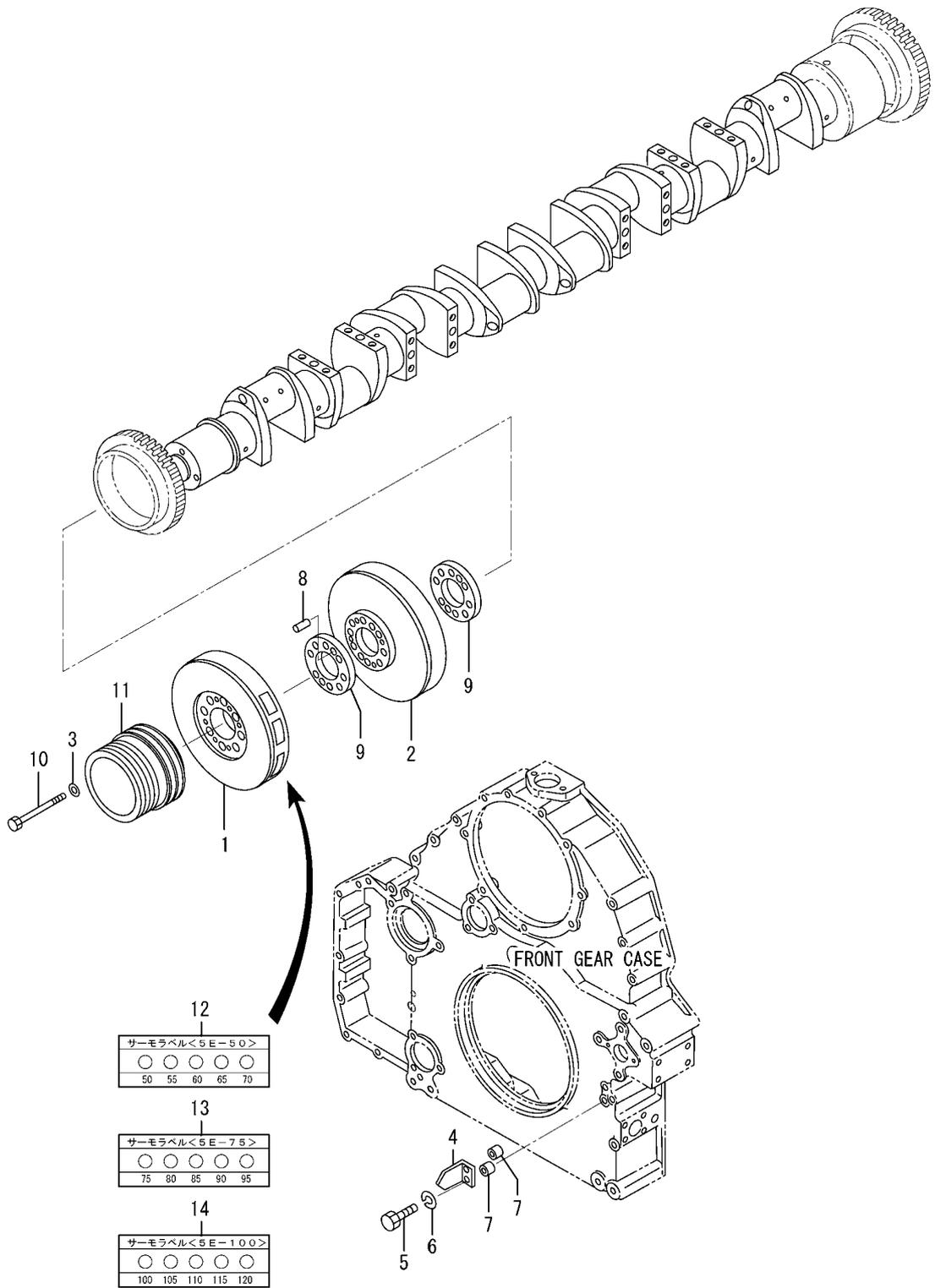


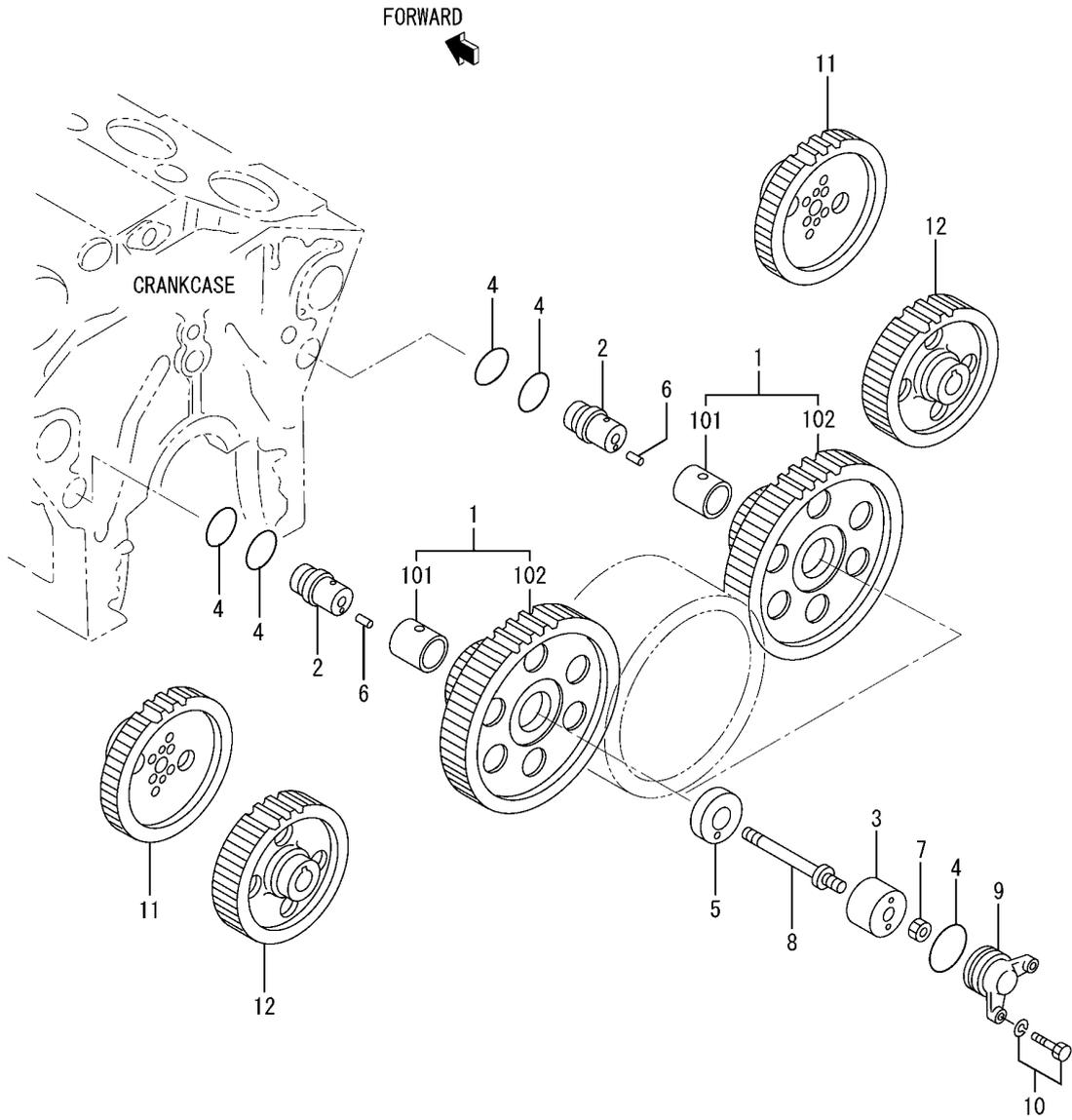


REF. -NO.	PART NO.	R / P	S EN Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37820-30011		C	CRANKSHAFT ASSY	1	1			-013300		
	37820-03010	R 1	C	CRANKSHAFT ASSY	1	1			-013300		V
	37820-03011	3 2	C	CRANKSHAFT ASSY	1	1					V
2	*			CRANKSHAFT SUB ASSY	1	1					
2 01	F2846-05000	C		PIN, DOWEL	1	1			-012933	A	
	37820-04500	N 1	C	PIN, DOWEL	1	1		012934-		A	V
	37820-04501	R 2		PIN, DOWEL	1	1		012934-		A	V
2 02	F2846-20000	C		PIN, DOWEL	16	16			-012933	A	
	37820-04700	N 1	C	PIN, DOWEL	16	16		012934-		A	V
	37820-04701	R 2		PIN, DOWEL	16	16		012934-		A	V
2 03	33320-04701	C		PIN, DOWEL	2	2			-012933	A	
	37820-04600	N 1		PIN, DOWEL	2	2		012934-		A	V
2 04	37420-10300	C		BOLT	32	32			-012933	A	
	37820-04300	N 1	C	BOLT	32	32		012934-		A	V
	37820-04301	R 2		BOLT	32	32		012934-		A	V
2 05	*			WEIGHT, BALANCE	15	15					
2 06	*			WEIGHT, BALANCE	1	1					
2 07	37723-10101	C		GEAR, CRANKSHAFT	1	1			-012933		
	37823-05100	N 1		GEAR, CRANKSHAFT	1	1		012934-			V
2 08	37725-12102	C		GEAR, CRANKSHAFT	1	1			-012933		
	37825-02100	N 1		GEAR, CRANKSHAFT	1	1		012934-			V
2 09	*			CRANKSHAFT	1	1					
2 10	33707-11701	C		WASHER	32	32			-012933	A	
	37820-04400	N 1	C	WASHER	32	32		012934-		A	V
	37820-04401	R 2		WASHER	32	32		012934-		A	V
3	37820-00500			PIN, DOWEL	2	2					

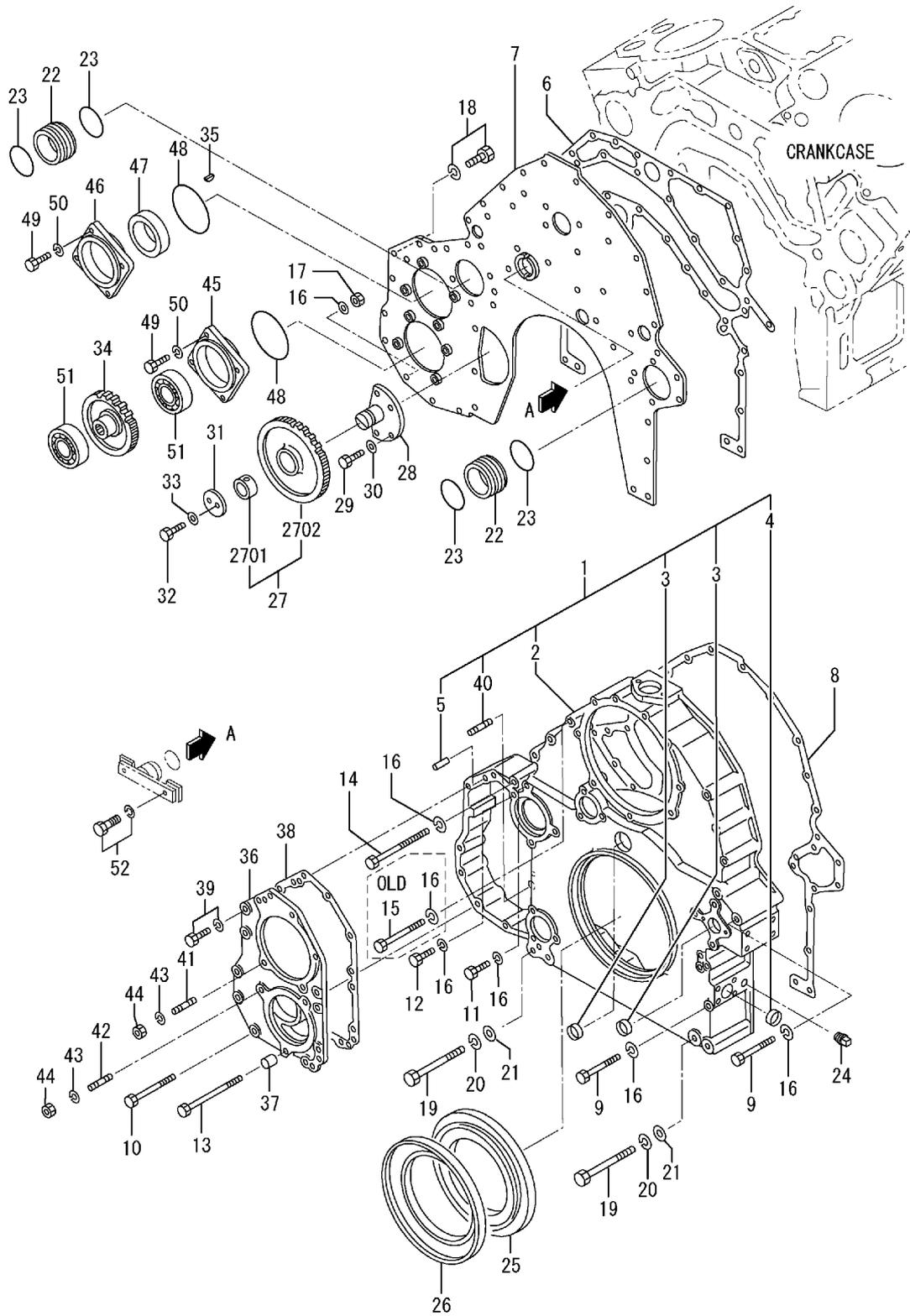


REF. -NO.	PART NO.	R / P	S EN G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37721-00060			FLYWHEEL ASSY	1	1					
1 01	F1805-10045			BOLT, W/WASHER	12	12					A
1 02	*			FLYWHEEL	1	1					
1 03	37721-20201			GEAR, RING	1	1					
2	F1035-22090			BOLT	12	12					A
3	33707-11701			WASHER	12	12					A

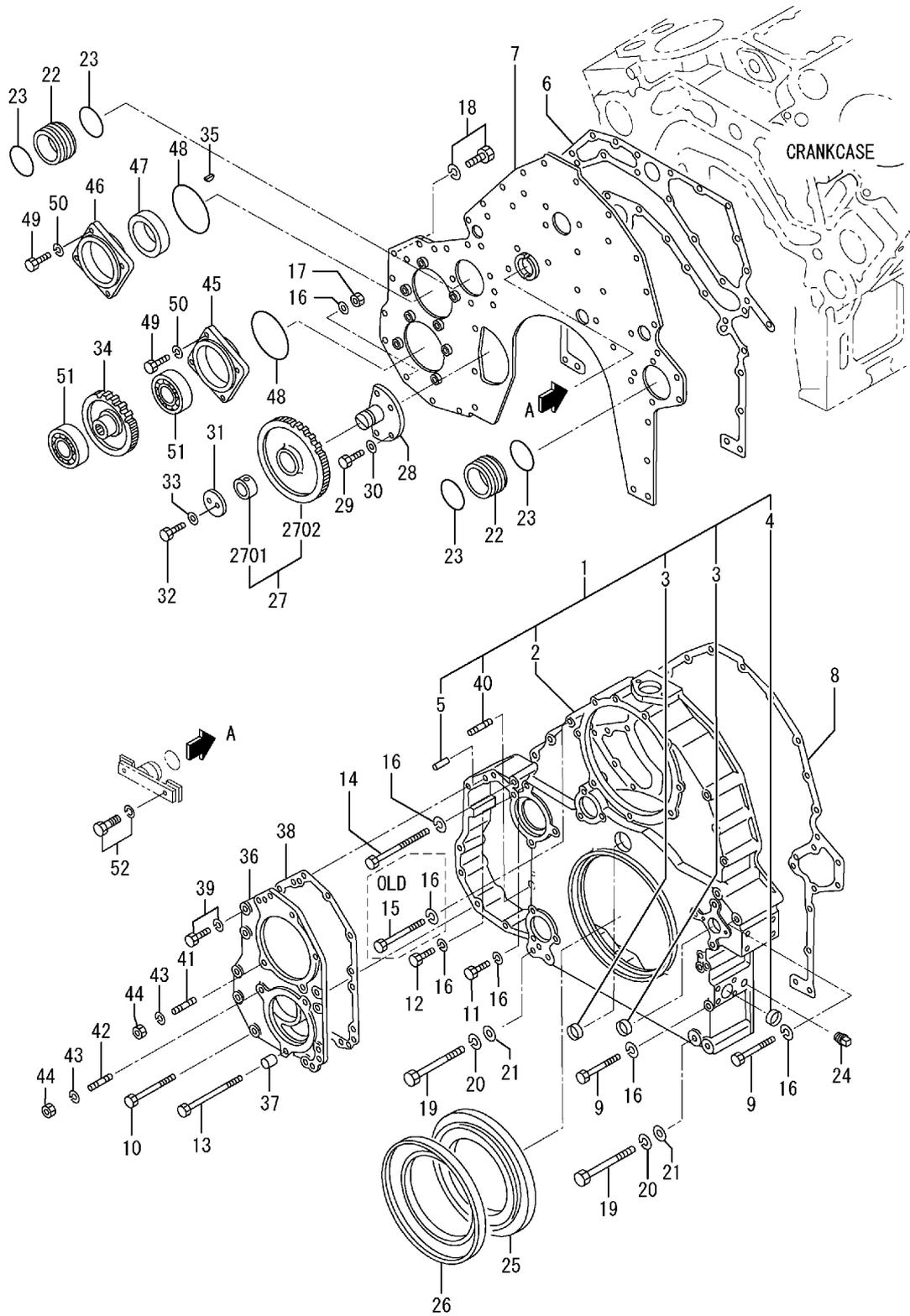




ACCESSORY DRIVE(FRONT)

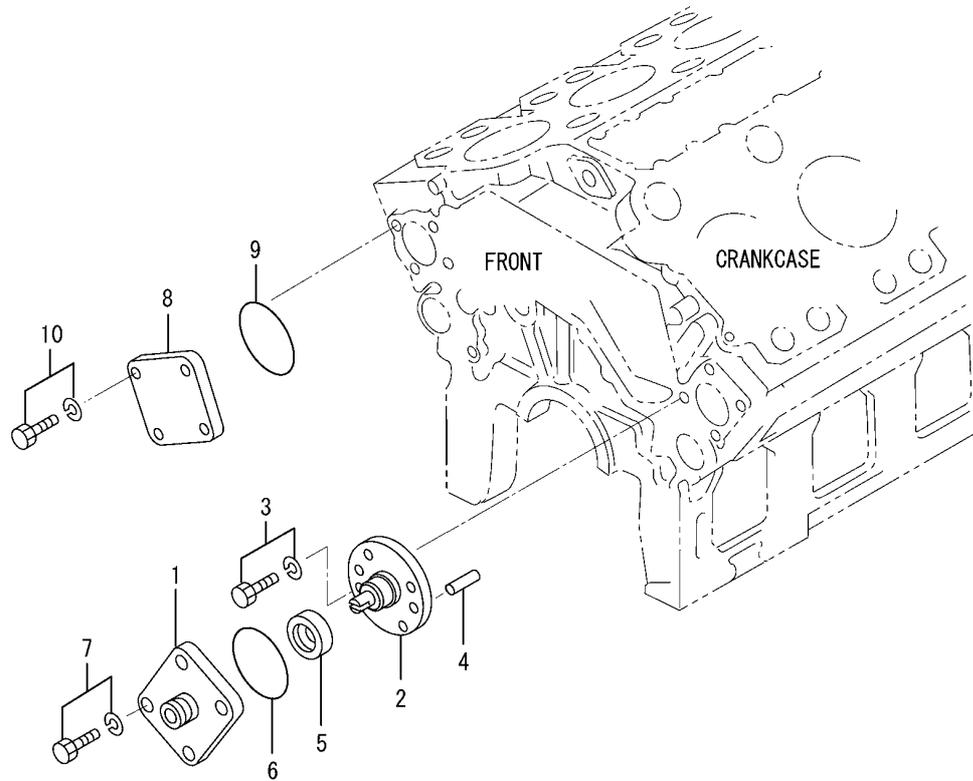


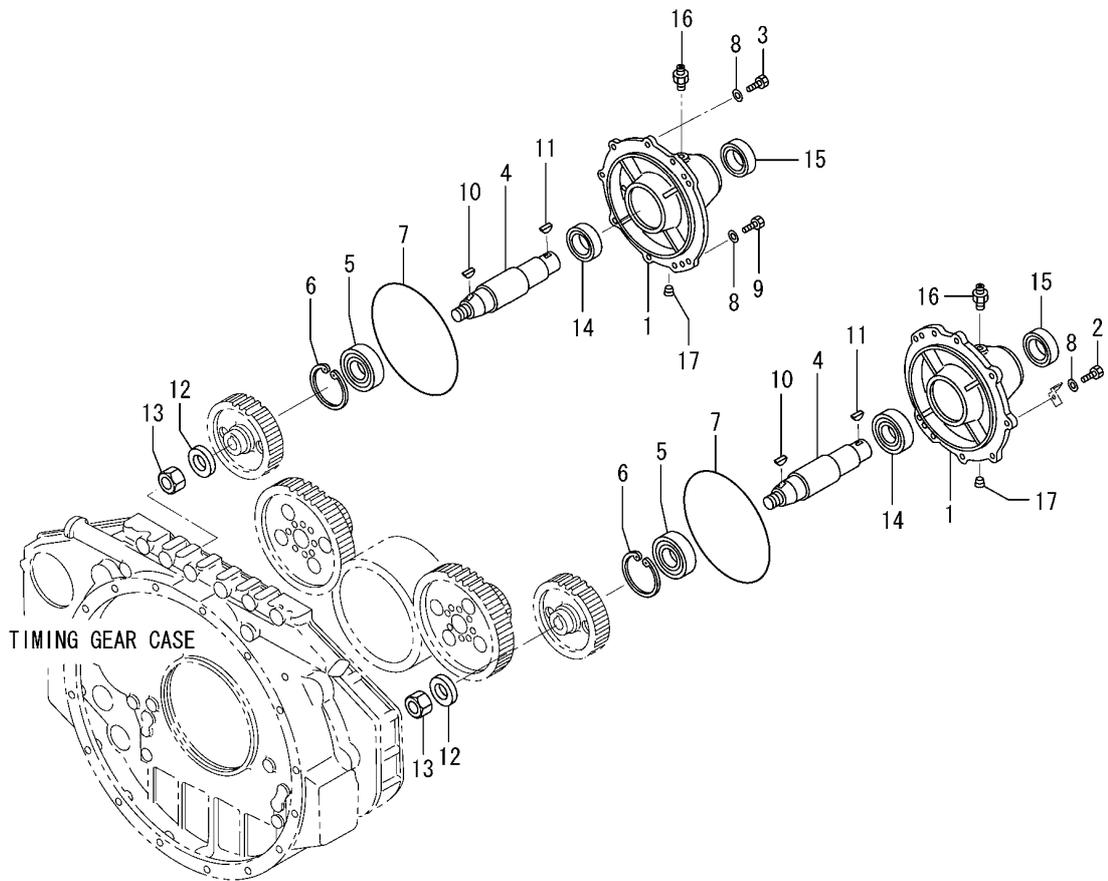
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37725-41010		C	CASE ASSY, FRONT GEAR	1	1			-013065		
2	37725-41011	3	1	CASE ASSY, FRONT GEAR	1	1					V
3	* 04826-25000		Q	CAP, SEALING	1	1			-013065		
3	04826-25000	1		CAP, SEALING	2	2		013066-			
4	04826-21400			CAP, SEALING	1	1					
5	F2846-12000			PIN, DOWEL	2	2					A
6	37725-30200			PACKING, FRONT	1	1					A
7	37725-90300			PLATE, FRONT	1	1					
8	37725-40400			PACKING, FRONT	1	1					A
9	05978-12155			BOLT	6	6					A
10	F1035-12130		Q	BOLT	5	5			-013267		A
11	F1035-12130	1		BOLT	4	4		013268-			A
11	F1035-12040			BOLT	1	1					A
12	F1035-12055			BOLT	1	1					A
13	05978-12160			BOLT	1	1					A
14	F1035-12110			BOLT	3	3					A
15	F1035-12100		D	BOLT	1	1			-013267		A
16	F2515-12000		Q	WASHER, SPRING	18	18			-013267		A
16	F2515-12000	1		WASHER, SPRING	16	16		013268-			A
17	F2305-12000			NUT, LOCK	4	4					A
18	F1805-12025			BOLT, W/WASHER	27	27					A
19	05978-16160			BOLT	4	4					A
20	F2515-16000			WASHER, SPRING	4	4					A
21	F2500-16000			WASHER, PLAIN	4	4					A
22	37746-00501			COUPLING	2	2					
23	F3153-07500			O-RING	4	4					A
24	F5006-10000			PLUG, TAPERED	1	1					A
25	37425-08201			SLINGER	1	1					
26	37511-04300			SEAL, OIL	1	1					A
27	37725-03010			GEAR ASSY, IDLER	1	1					
27 01	37123-03400			BUSHING	1	1					
27 02	*			GEAR, IDLER	1	1					
28	37725-03502			SHAFT, IDLER	1	1					
29	F1035-12035			BOLT	4	4					A
30	37525-07901			WASHER	4	4					
31	32423-03800			PLATE	1	1					
32	F1035-10025			BOLT	2	2					A
33	34A48-02100			WASHER	2	2					
34	37725-22302			GEAR, OIL PUMP	1	1					
35	F2870-10032			KEY, WOODRUFF	1	1					
36	37725-40500			PLATE	1	1					
37	37561-01800			PIN, DOWEL	1	1					A
38	37725-20600			PACKING	1	1					A
39	F1805-12030			BOLT, W/WASHER	4	4					A
40	05977-12030			STUD	2	2					
41	05977-12065			STUD	2	2					
42	05977-12050			STUD	2	2					
43	F2515-12000			WASHER, SPRING	6	6					A
44	F2300-12000			NUT	6	6					A



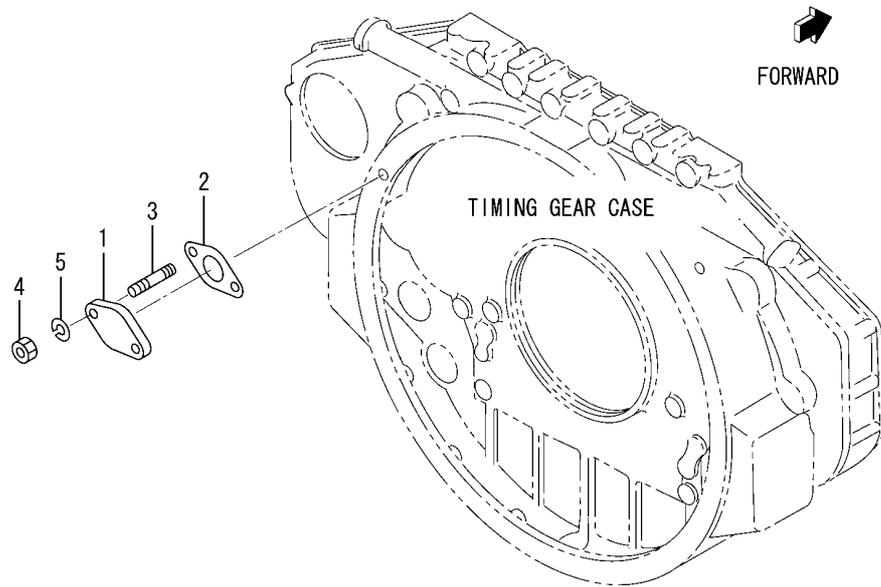
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION		MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW-K	PTAW-M		FROM@-	-@UPTO		
45	37725-00801			COVER, BEARING	OIL PUMP	1	1					
46	37725-10900			COVER, BEARING	WATER PUMP	1	1					
47	F3015-06523			SEAL, OIL		1	1					A
48	05507-21250			O-RING		2	2					A
49	F1035-12025			BOLT		8	8					A
50	F2515-12000			WASHER, SPRING		8	8					A
51	F8010-06310			BEARING, BALL		2	2					A
52	F1805-12040			BOLT, W/WASHER	B/W	2	2					A

25-01 TACHO DRIVE

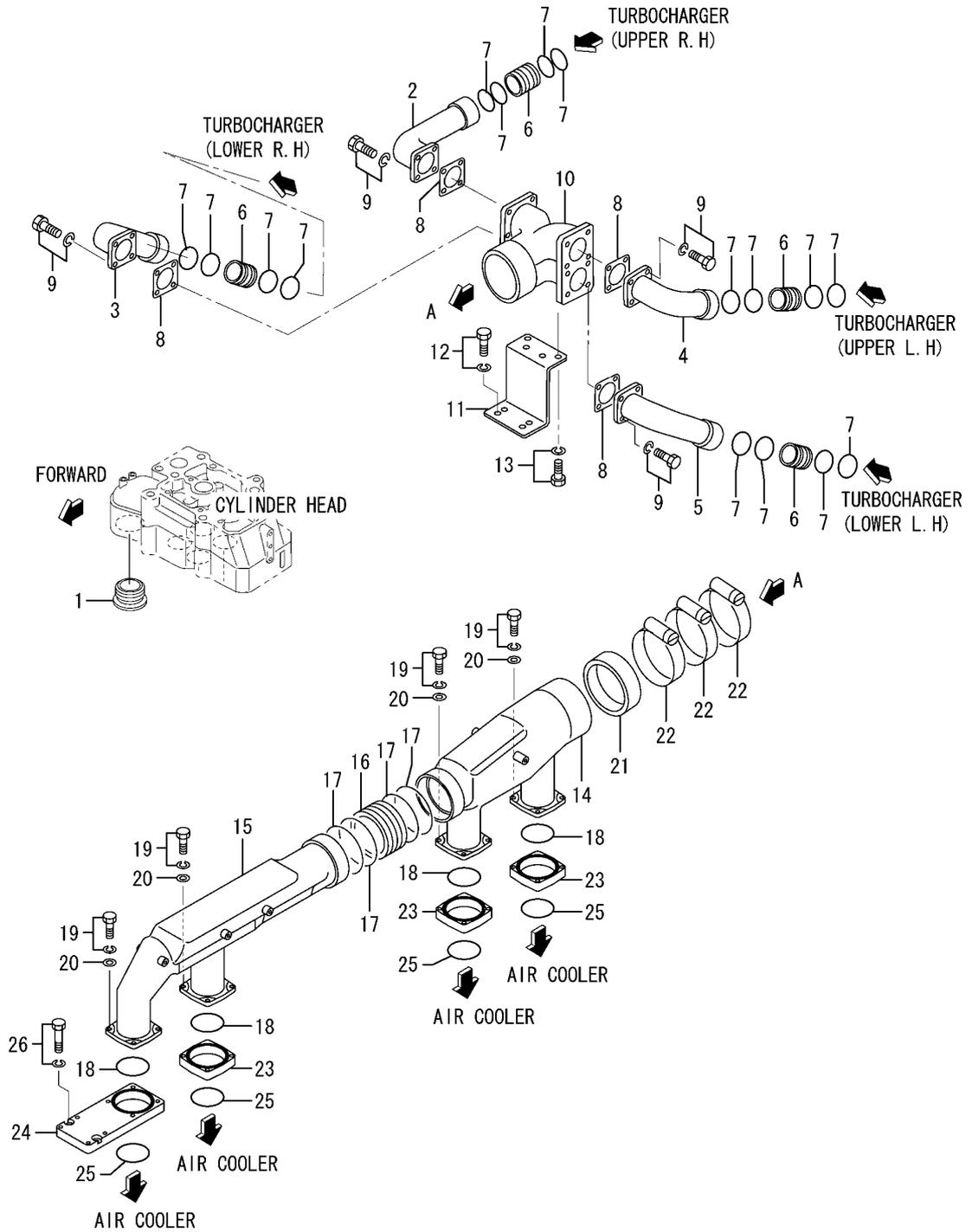




REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37525-63100			CASE, DRIVE	2	2					
2	F1035-12050			BOLT	2	2				A	
3	F1035-12045			BOLT	8	8				A	
4	37725-15300			SHAFT, DRIVE	2	2					
5	F8010-06309			BEARING, BALL	2	2				A	
6	F3202-10000			RING, SNAP	2	2				A	
7	37525-03600			O-RING	2	2				A	
8	37525-07901			WASHER	14	14				A	
9	F1035-12035			BOLT	4	4				A	
10	F2870-07025			KEY, WOODRUFF	2	2					
11	F2870-10032			KEY, WOODRUFF	2	2					
12	37525-00600			WASHER	2	2					
13	94104-01100			NUT	2	2		-013454		A	
	37525-09900	3	1	NUT	2	2				A	V
14	F8006-06210			BEARING, BALL	2	2				A	
15	37525-13400			SEAL, OIL	2	2					
16	47500-55701			CONNECTOR	2	2					
17	04827-71300			PLUG, TAPERED	2	2				A	

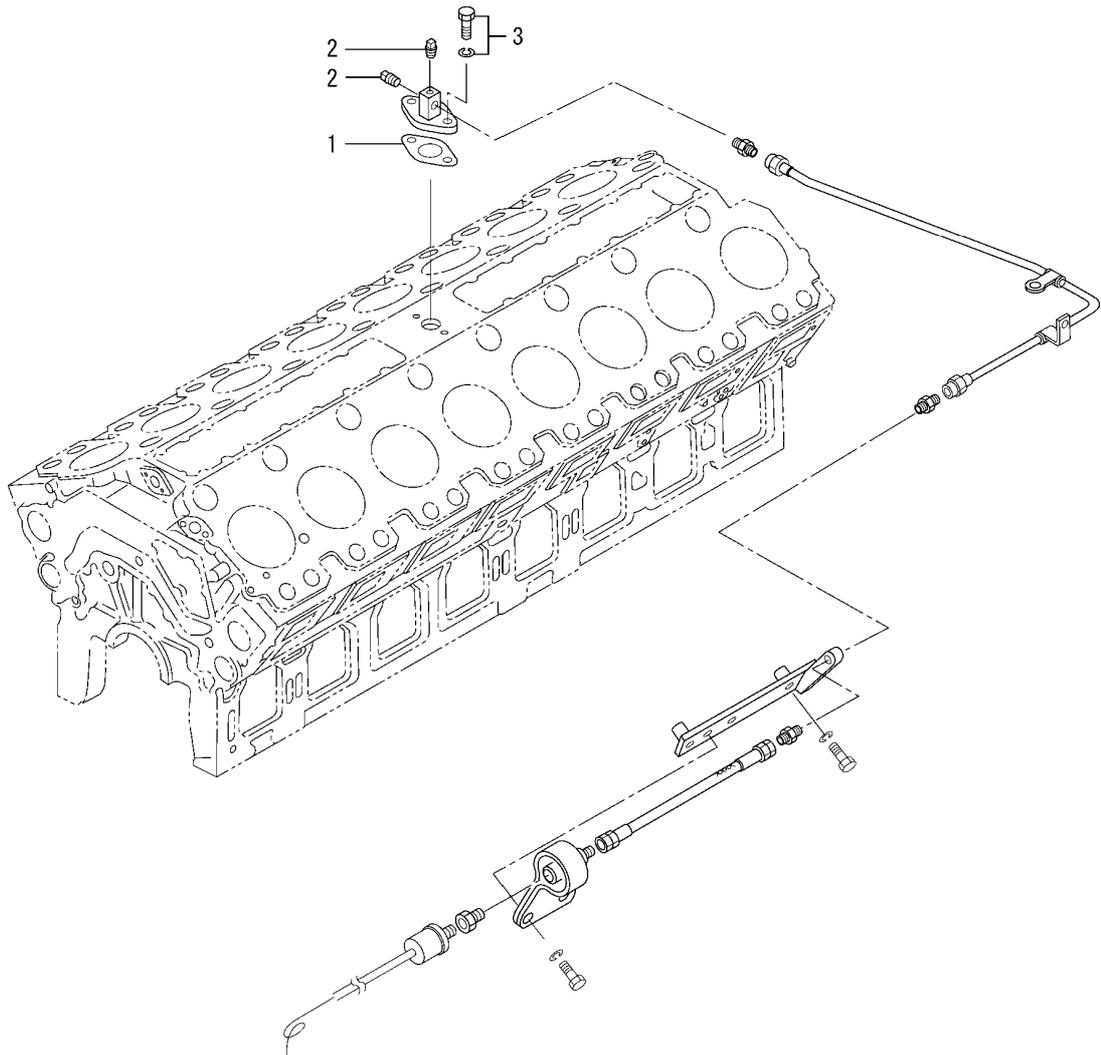


30 INLET SYSTEM

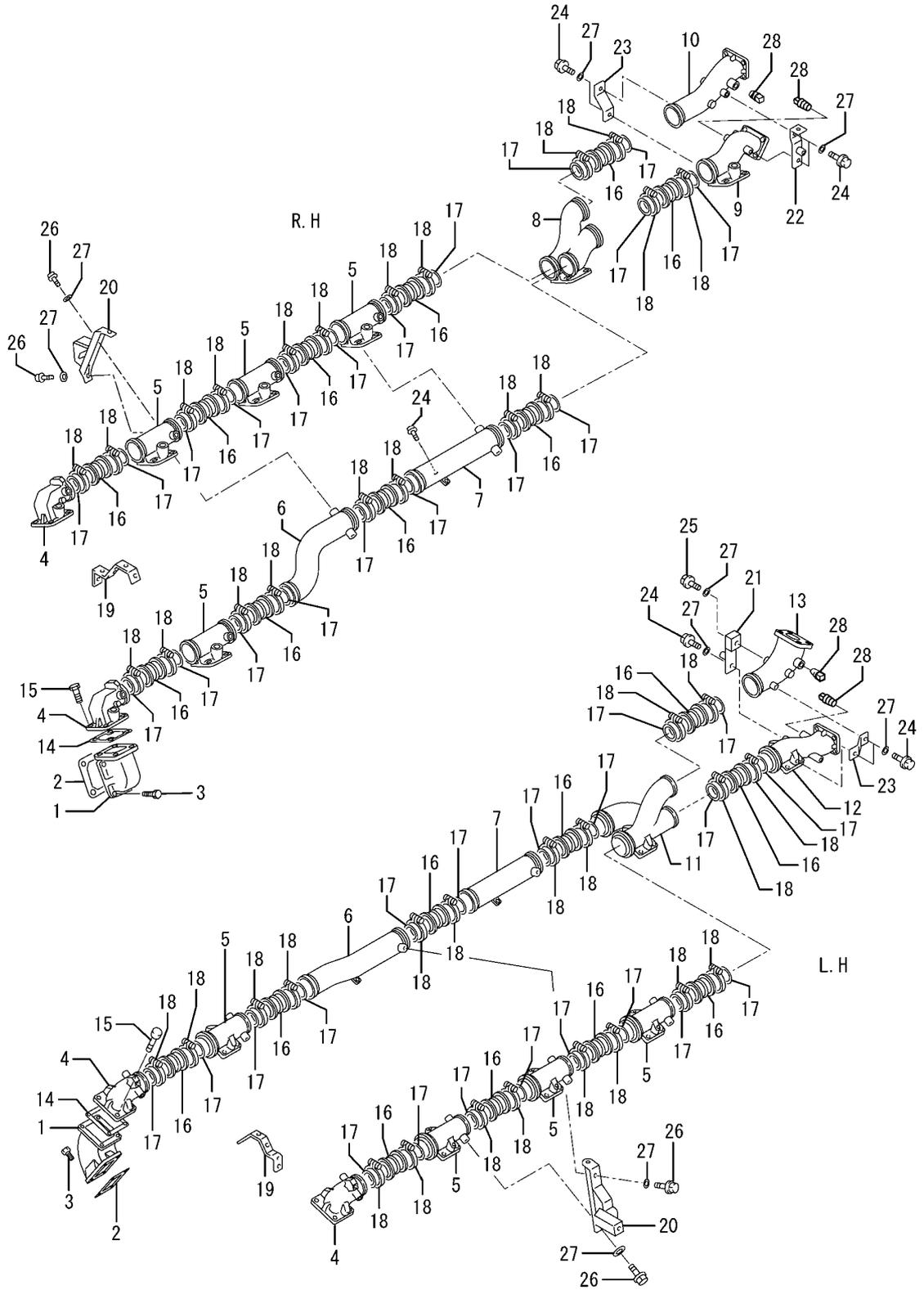


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37530-00200			PACKING	16	16					
2	37830-02100			DUCT, AIR	1	1					A
3	37830-02200			DUCT, AIR	1	1					
4	37830-02300			DUCT, AIR	1	1					
5	37830-02400			DUCT, AIR	1	1					
6	37830-01500			CONNECTOR	4	4					
7	35A30-00100			O-RING	16	16					A
8	37730-11501			PACKING	4	4					A
9	F2005-10035			BOLT, W/WASHER	16	16					A
10	37830-03403		C	DUCT, AIR	1	1					
11	37830-03403	R	1	DUCT, AIR	1	1					V
12	37830-03800			STAY, DUCT	1	1					
13	F1805-10020			BOLT, W/WASHER	4	4					A
14	F2005-10020			BOLT, W/WASHER	4	4					A
15	37830-17300		C	DUCT, AIR	1	1					
16	37830-17301	R	1	DUCT, AIR	1	1					V
17	37830-17100			DUCT, AIR	1	1					
18	37830-09800			CONNECTOR	1	1					A
19	05507-11350			O-RING	4	4					A
20	05507-21200			O-RING	4	4					A
21	F1805-10060		C	BOLT, W/WASHER	16	16					A
22	F1805-10065	N	1	BOLT, W/WASHER	16	16		013265-	-013264		V
23	F2500-10000			WASHER, PLAIN	16	16					A
24	37830-23600			HOSE, RUBBER	1	1					A
25	05317-52201			CLAMP	3	3					A
26	37830-05800			SPACER	3	3					
27	*		C	SPACER	1	1					
28	37830-02700	1	1	SPACER	1	1					V
29	05507-21200			O-RING	4	4					A
30	F1805-10035			BOLT, W/WASHER	2	2					A

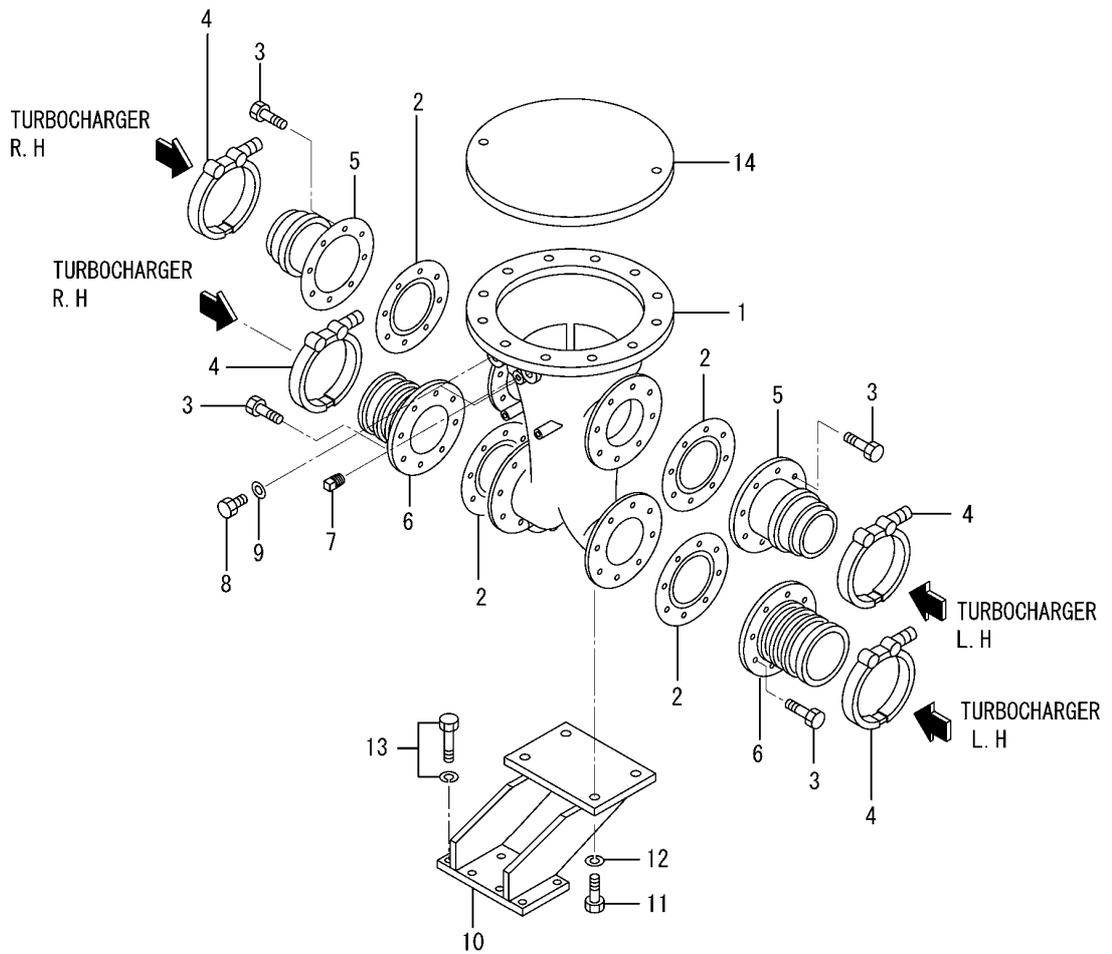
30-05 AIR HEATER



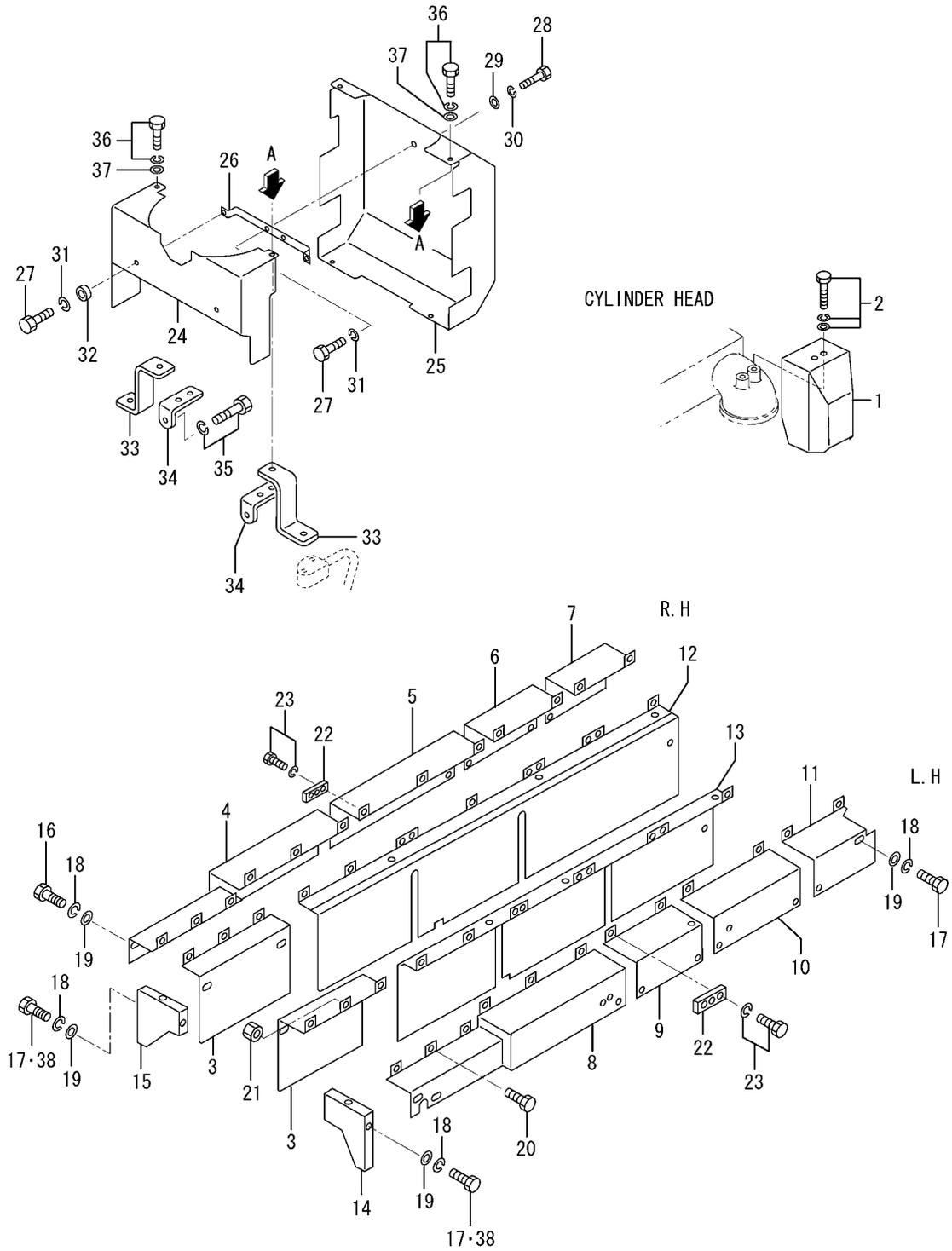
EXHAUST SYSTEM(MANIFOLD)



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37732-21101			CONNECTOR, EXH	16	16					
2	37532-09500			GASKET	16	16					
3	37532-00800			BOLT, FLANGE	64	64					
4	37732-50102			MANIFOLD, EXH	4	4					
5	37732-20302			MANIFOLD, EXH	8	8					
6	37732-30602			MANIFOLD, EXH	2	2					
7	37832-20302			MANIFOLD, EXH	2	2					
8	37832-30402			MANIFOLD, EXH	1	1					
9	37832-12500			MANIFOLD, EXH	1	1					
10	37832-12600			MANIFOLD, EXH	1	1					
11	37832-30702			MANIFOLD, EXH	1	1					
12	37832-12800			MANIFOLD, EXH	1	1					
13	37832-02901			MANIFOLD, EXH	1	1					
14	37732-10900			GASKET, EXHAUST	16	16					
15	32532-20800			BOLT	64	64					
16	37532-20600			C JOINT, FLEXIBLE	20	20					
17	37532-30600	R	1	JOINT, FLEXIBLE	20	20					V
18	32532-01700			GASKET, JOINT	40	40					
19	49184-14000			COUPLING ASSY	40	40					
20	37832-03101			STAY, MANIFOLD	2	2					
21	37832-31400			STAY, MANIFOLD	4	4					
22	37832-41501			STAY, MANIFOLD	1	1					
23	37832-41601			STAY, MANIFOLD	1	1					
24	37832-01701			STAY, MANIFOLD	2	2					
25	32532-20800			BOLT	19	19					
26	32532-07370			BOLT	1	1					
27	49126-60230			BOLT	4	4					
28	58034-04400			WASHER	20	20					
29	F5006-10000			PLUG, TAPERED	4	4					A



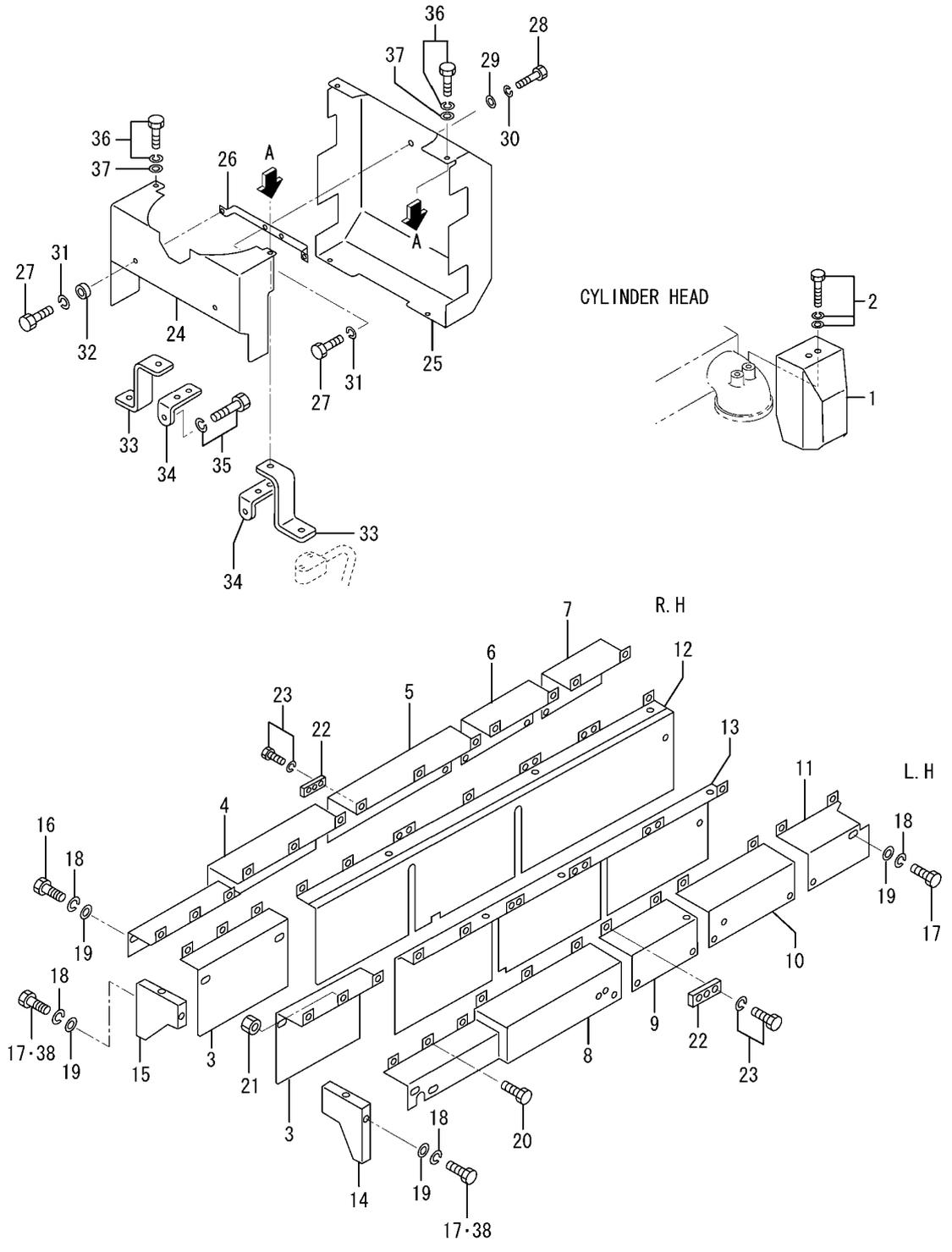
32-03 EXHAUST COVER



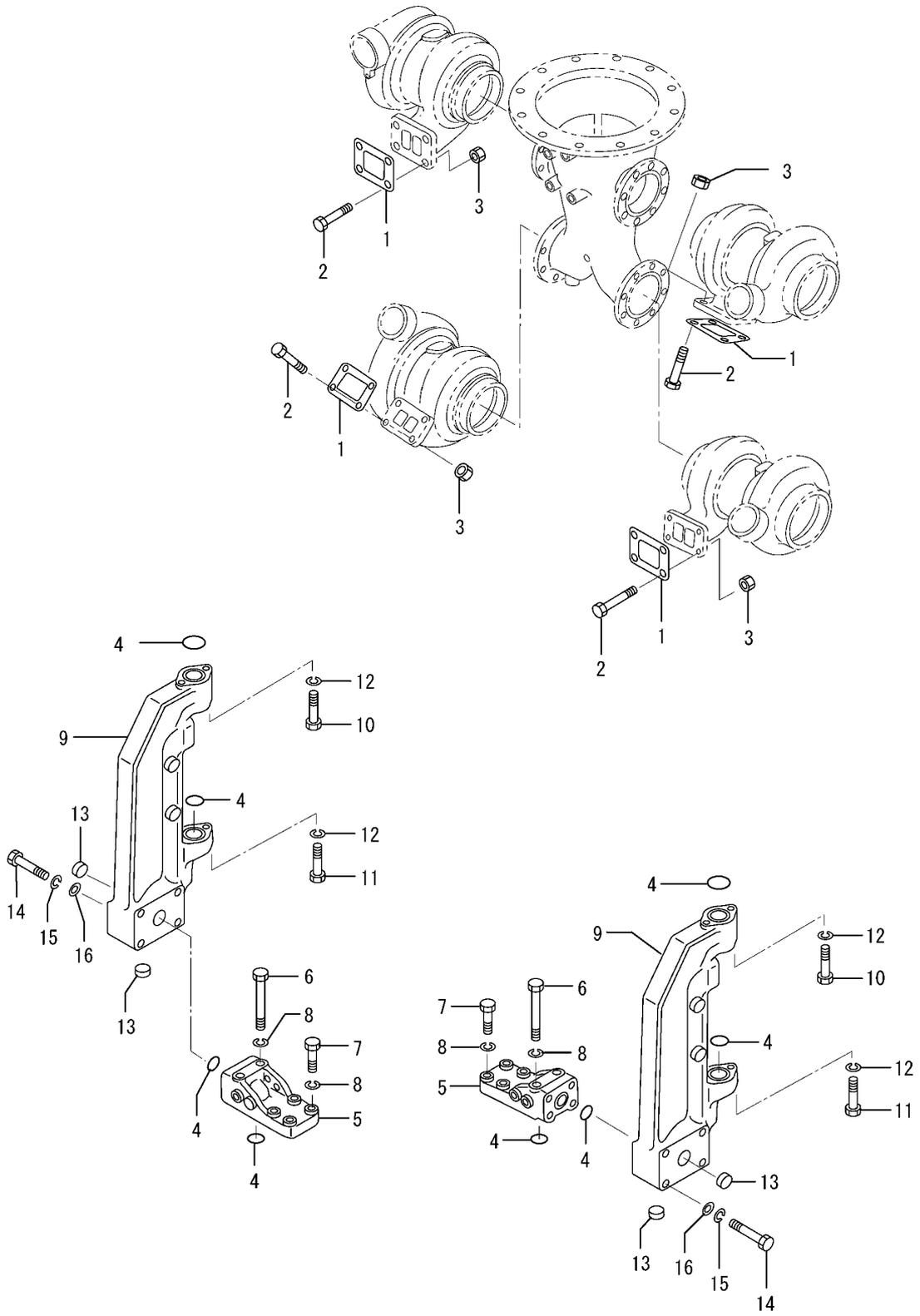
32-03 EXHAUST COVER

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37532-27100		C	INSULATOR			16	16			
2	37532-37100	3	1	INSULATOR			16	16			V
3	F1825-08016			BOLT, W/WASHER	B/W		32	32		A	
3	37732-06100		C	INSULATOR	R. H		2	2	@013490		
3	37732-26100	3	1	INSULATOR	R. H		2	2			V
4	37733-08300		C	INSULATOR	R. H		1	1			
5	37733-18300	3	1	INSULATOR	R. H		1	1	@013490		V
5	37833-08100		C	INSULATOR	R. H		1	1	@013490		
6	37833-18100	3	1	INSULATOR	R. H		1	1			V
6	37833-08200		C	INSULATOR	R. H		1	1	@013490		
7	37833-18200	3	1	INSULATOR	R. H		1	1			V
8	37832-37300		C	INSULATOR	R. H		1	1	@013490		
8	37832-47300	3	1	INSULATOR	R. H		1	1			V
8	37733-08400		C	INSULATOR	L. H		1	1	@013490		
8	37733-18400	3	1	INSULATOR	L. H		1	1			V
9	37833-08300		C	INSULATOR	L. H		1	1	@013490		
10	37833-18300	3	1	INSULATOR	L. H		1	1			V
10	37833-08400		C	INSULATOR	L. H		1	1	@013490		
11	37833-18400	3	1	INSULATOR	L. H		1	1			V
11	37832-37500		C	INSULATOR	L. H		1	1	@013490		
12	37832-47500	3	1	INSULATOR	L. H		1	1			V
13	37832-37600		C	INSULATOR	R. H		1	1	@013490		
13	37832-47600	3	1	INSULATOR	R. H		1	1			V
13	37832-37700		C	INSULATOR	L. H		1	1	@013490		
13	37832-47700	3	1	INSULATOR	L. H		1	1			V
14	37832-06600		C	COVER, INSULATOR	L. H		1	1	@013490		
15	37832-16600	3	1	COVER, INSULATOR	L. H		1	1			V
15	37832-06700		C	COVER, INSULATOR	R. H		1	1	@013490		
16	37832-16700	3	1	COVER, INSULATOR	R. H		1	1			V
16	49126-60210			BOLT			2	2			
17	07701-10016		C	BOLT			22	22			
18	32532-06320	N	1	BOLT			16	16	012934@	@012933	A V
19	F2515-10000			WASHER, SPRING			18	18			A
20	58034-04400			WASHER			18	18			A
20	F1035-10020			BOLT			25	25			A
21	F2300-10000			NUT, LOCK			25	25			A
22	37432-16400			PLATE, INSULATOR			6	6			A
23	F1805-10016			BOLT, W/WASHER	B/W		18	18			A
24	37832-28100		C	INSULATOR, TURBO	FRONT		1	1	@013490		
24	37832-38100	N		INSULATOR, TURBO	FRONT		1	1	013491@		V
25	37832-28200		C	INSULATOR, TURBO	REAR		1	1		@013490	
26	37832-38200	G	1	INSULATOR, TURBO	REAR		1	1	013491@		V
27	37832-08300			STAY, INSULATOR			1	1			
28	49126-60220			BOLT			4	4			
28	32532-06425			BOLT			2	2			
29	F2500-12000			WASHER, PLAIN			2	2			A
30	F2515-12000			WASHER, SPRING			2	2			A
31	F2515-10000			WASHER, SPRING			6	6			A
32	F2500-10000			WASHER, PLAIN			4	4			A
33	37732-09501			STAY, INSULATOR			2	2			

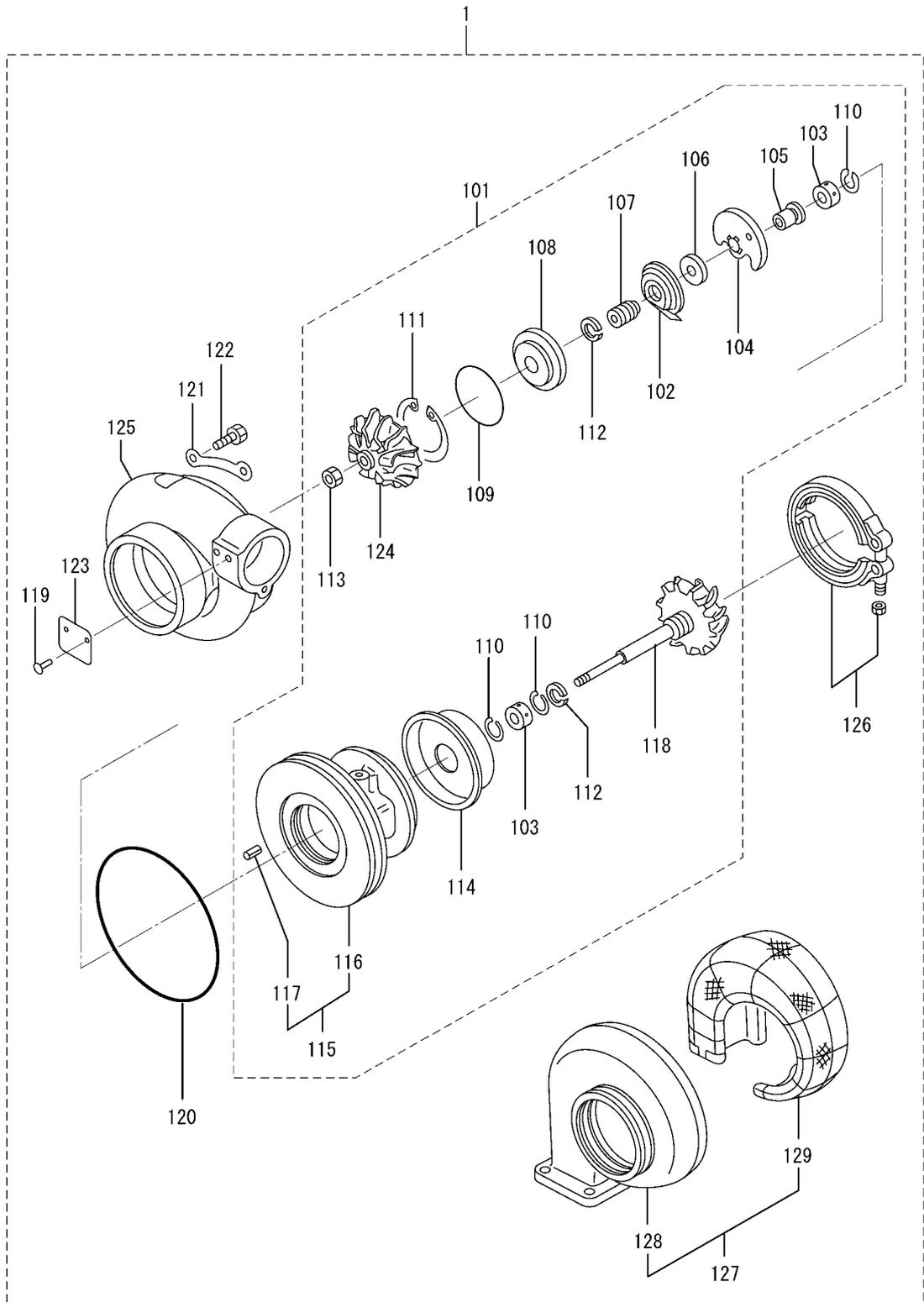
32-03 EXHAUST COVER



33-00-01 TURBOCHARGER GENERAL



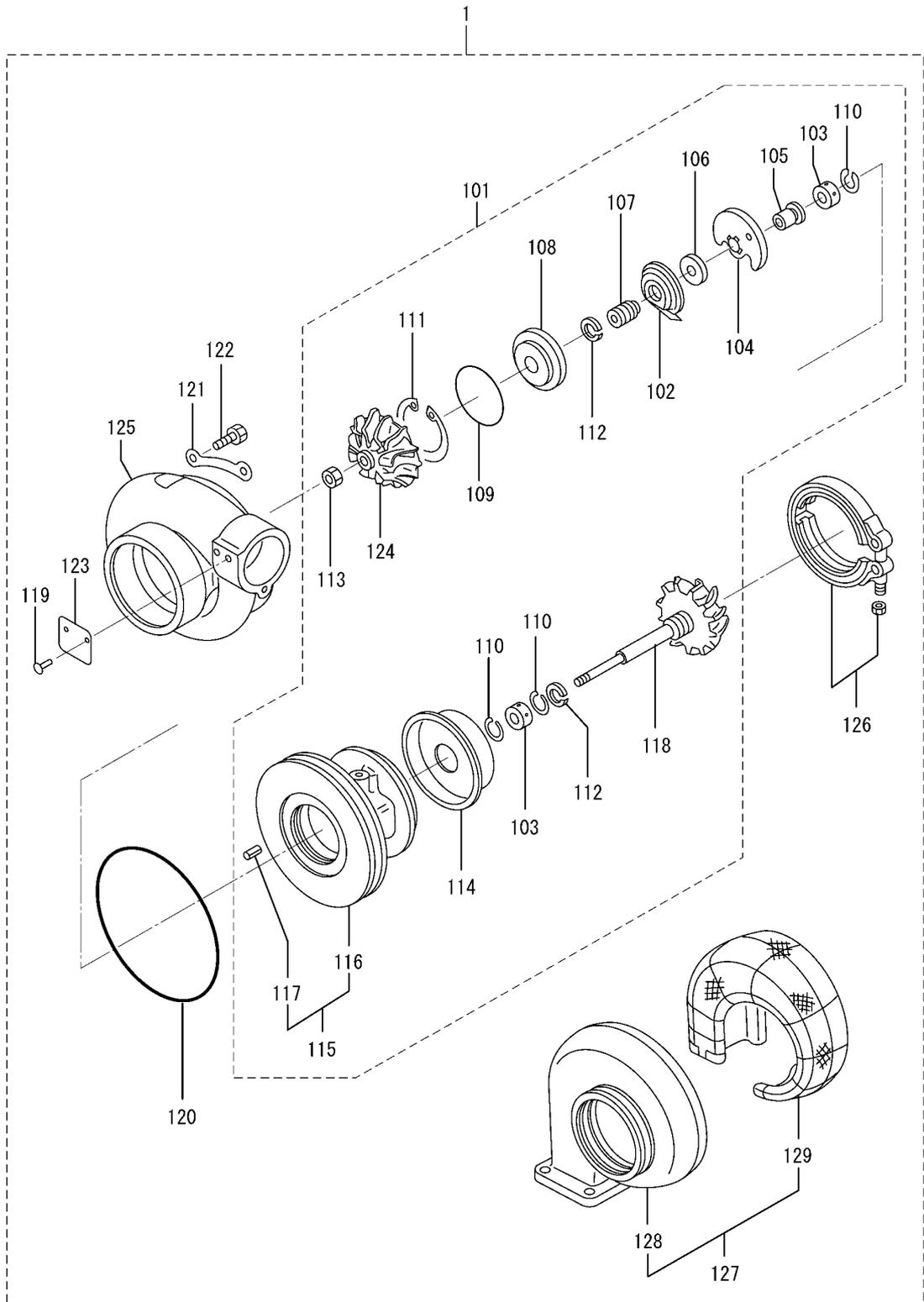
33-00-02 TURBOCHARGER(MODEL TD10L-45VRC-23)



33-00-02 TURBOCHARGER(MODEL TD10L-45VRC-23)

REF. NO.	PART NO.	R / P	S EN G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	49181-05000		D	TURBOCHARGER ASSY	R. H UPPER	1	1		-012933		
	49181-05010		D	TURBOCHARGER ASSY	L. H UPPER	1	1		-012933		
	49181-05020		D	TURBOCHARGER ASSY	R. H LOWER	1	1		-012933		
	49181-05030		D	TURBOCHARGER ASSY	L. H LOWER	1	1		-012933		
1 01	49181-08800		D	CARTRIDGE ASSY		4	4		-012933	A	
1 02	49181-22200		D	DEFLECTOR, OIL		4	4		-012933		
1 03	49181-21100		D	BEARING		8	8		-012933	A	
1 04	49181-21600		D	BEARING, THRUST		4	4		-012933	A	
1 05	49181-42400		D	RING, THRUST		4	4		-012933		
1 06	49181-42300		D	RING, THRUST		4	4		-012933		
1 07	49181-42100		D	SLEEVE, FLINGER		4	4		-012933		
1 08	49181-22500		D	INSERT		4	4		-012933		
1 09	49181-22600		D	O-RING		4	4		-012933	A	
1 10	49181-22300		D	RING, SNAP		12	12		-012933	A	
1 11	49162-23200		D	RING, SNAP		4	4		-012933	A	
1 12	49181-23100		D	RING, PISTON		8	8		-012933	A	
1 13	49181-42230		D	NUT, LOCK		4	4		-012933		
1 14	49181-19300		D	PLATE, BACK TURBINE		4	4		-012933		
1 15	49181-25310		D	HOUSING ASSY, BEARING		4	4		-012933		
1 16	*			HOUSING, BEARING		4	4				
1 17	49183-22800		D	PIN		4	4		-012933	A	
1 18	49181-30230		D	ROTOR ASSY		4	4		-012933		
1 19	00665-02048		D	RIVET, SCREW		8	8		-012933		
1 20	49181-22700		D	O-RING		4	4		-012933	A	
1 21	49181-23500		D	PLATE, LOCK		16	16		-012933		
1 22	49181-23700		D	BOLT		32	32		-012933	A	
1 23	*			PLATE, NAME		4	4				
1 24	49181-46100		D	WHEEL, COMPRESSOR		4	4		-012933		
1 25	49181-53100		D	COVER, COMPRESSOR		4	4		-012933		
1 26	49181-14003		D	V-CLAMP ASSY		4	4		-012933		
1 27	*			TURBINE-HOUSING ASSY		4	4				
1 28	49181-15300		D	TURBINE-HOUSING		4	4		-012933		
1 29	49181-14310		D	LAGGING		4	4		-012933		

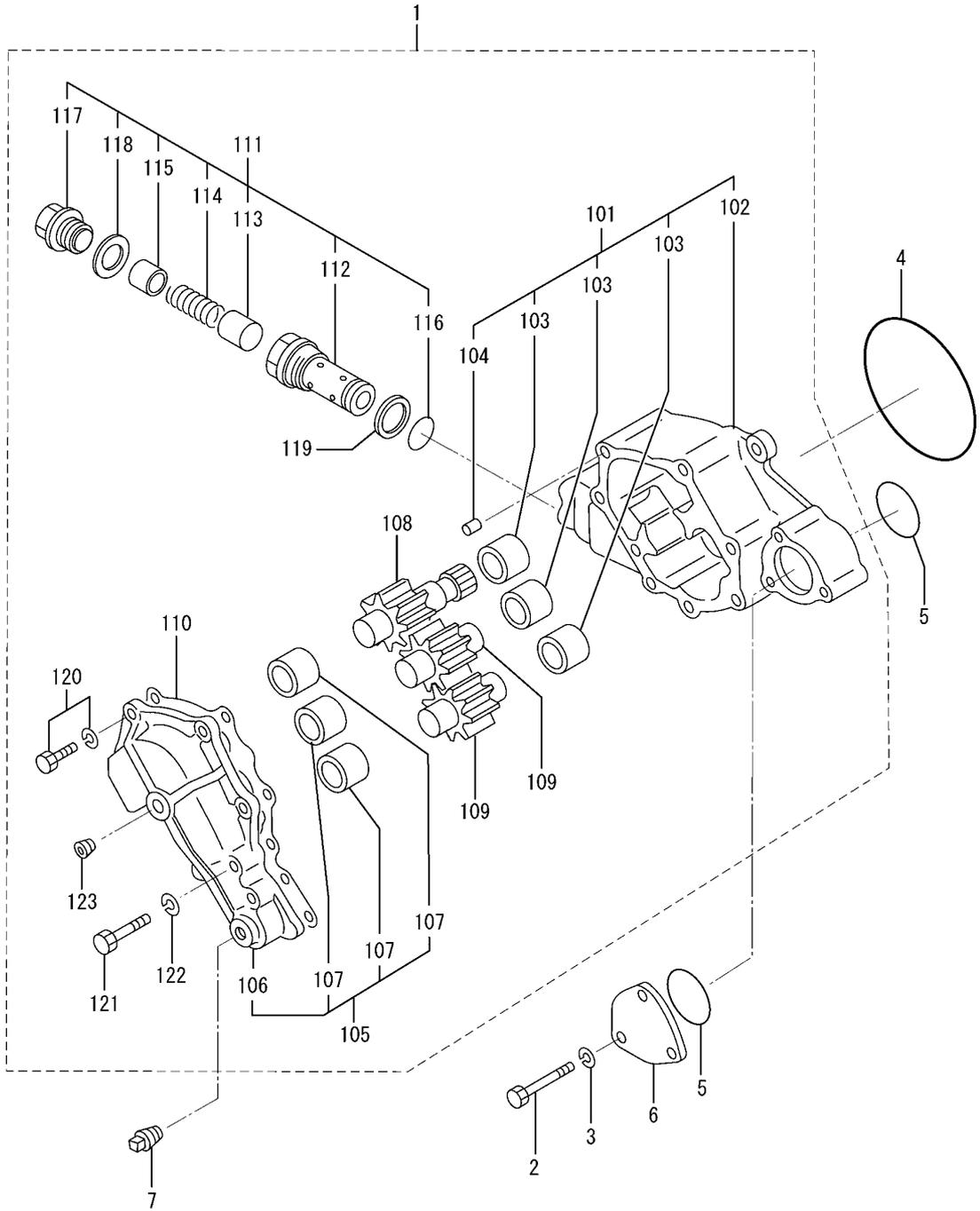
33-00-03 TURBOCHARGER(MODEL TD10L2-51VRC-28)



33-00-03 TURBOCHARGER(MODEL TD10L2-51VRC-28)

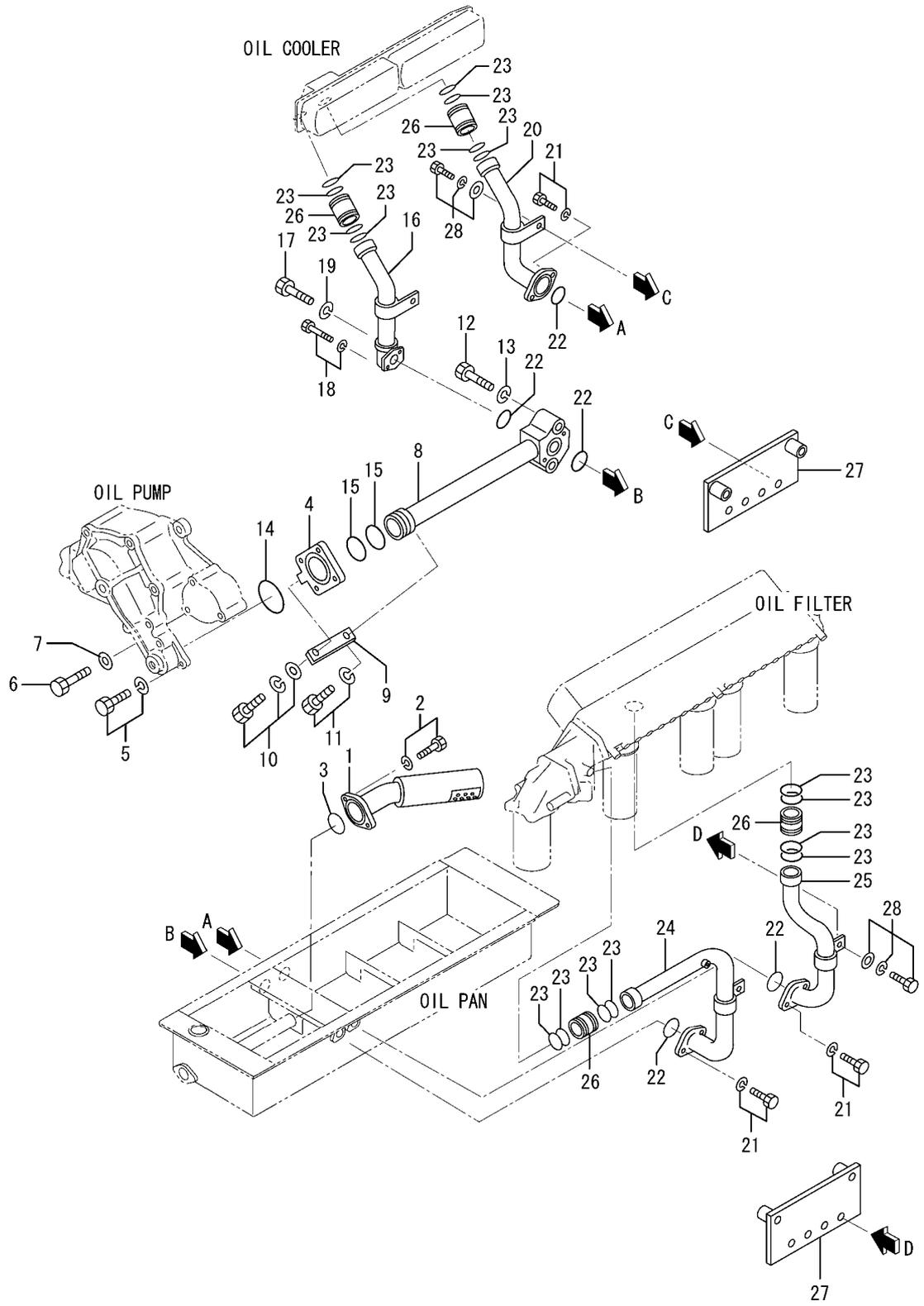
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	49181-05230		A	TURBOCHARGER ASSY	R. H UPPER	1	1		012934-		V
	49181-05240		A	TURBOCHARGER ASSY	L. H UPPER	1	1		012934-		V
	49181-05250		A	TURBOCHARGER ASSY	R. H LOWER	1	1		012934-		V
	49181-05250		A	TURBOCHARGER ASSY	L. H LOWER	1	1		012934-		V
1 01	49181-08320		A	CARTRIDGE ASSY		4	4		012934-	A	V
1 02	49181-22200		A	DEFLECTOR, OIL		4	4		012934-		V
1 03	49181-21100		A	BEARING		8	8		012934-	A	V
1 04	49181-21600		A	BEARING, THRUST		4	4		012934-		V
1 05	49181-42400		A	RING, THRUST		4	4		012934-		V
1 06	49181-42300		A	RING, THRUST		4	4		012934-		V
1 07	49181-42100		A	SLEEVE, FLINGER		4	4		012934-		V
1 08	49181-22500		A	INSERT		4	4		012934-		V
1 09	49181-22600		A	O-RING		4	4		012934-	A	V
1 10	49181-22300		A	RING, SNAP		12	12		012934-	A	V
1 11	49162-23200		A	RING, SNAP		4	4		012934-	A	V
1 12	49181-23100		A	RING, PISTON		8	8		012934-	A	V
1 13	49181-42230		A	NUT, LOCK		4	4		012934-		V
1 14	49181-19300		A	PLATE, BACK TURBINE		4	4		012934-		V
1 15	49181-25310		A	HOUSING ASSY, BEARING		4	4		012934-		V
1 16	*			HOUSING, BEARING		4	4				
1 17	49183-22800		A	PIN		4	4		012934-	A	V
1 18	49181-30400		A	ROTOR ASSY		4	4		012934-		V
1 19	00665-02048		A	RIVET, SCREW		8	8		012934-		V
1 20	49181-22700		A	O-RING		4	4		012934-	A	V
1 21	49181-23500		A	PLATE, LOCK		16	16		012934-		V
1 22	49181-23700		A	BOLT		32	32		012934-	A	V
1 23	*			PLATE, NAME		4	4				
1 24	49181-46120		A	WHEEL, COMPRESSOR		4	4		012934-		V
1 25	49181-53120		A	COVER, COMPRESSOR		4	4		012934-		V
1 26	49181-14003		A	V-CLAMP ASSY		4	4		012934-		V
1 27	*			TURBINE-HOUSING ASSY		4	4				
1 28	49181-15400		A	TURBINE-HOUSING		4	4		012934-		V
1 29	49181-14410		A	LAGGING		4	4		012934-		V

35 OIL PUMP



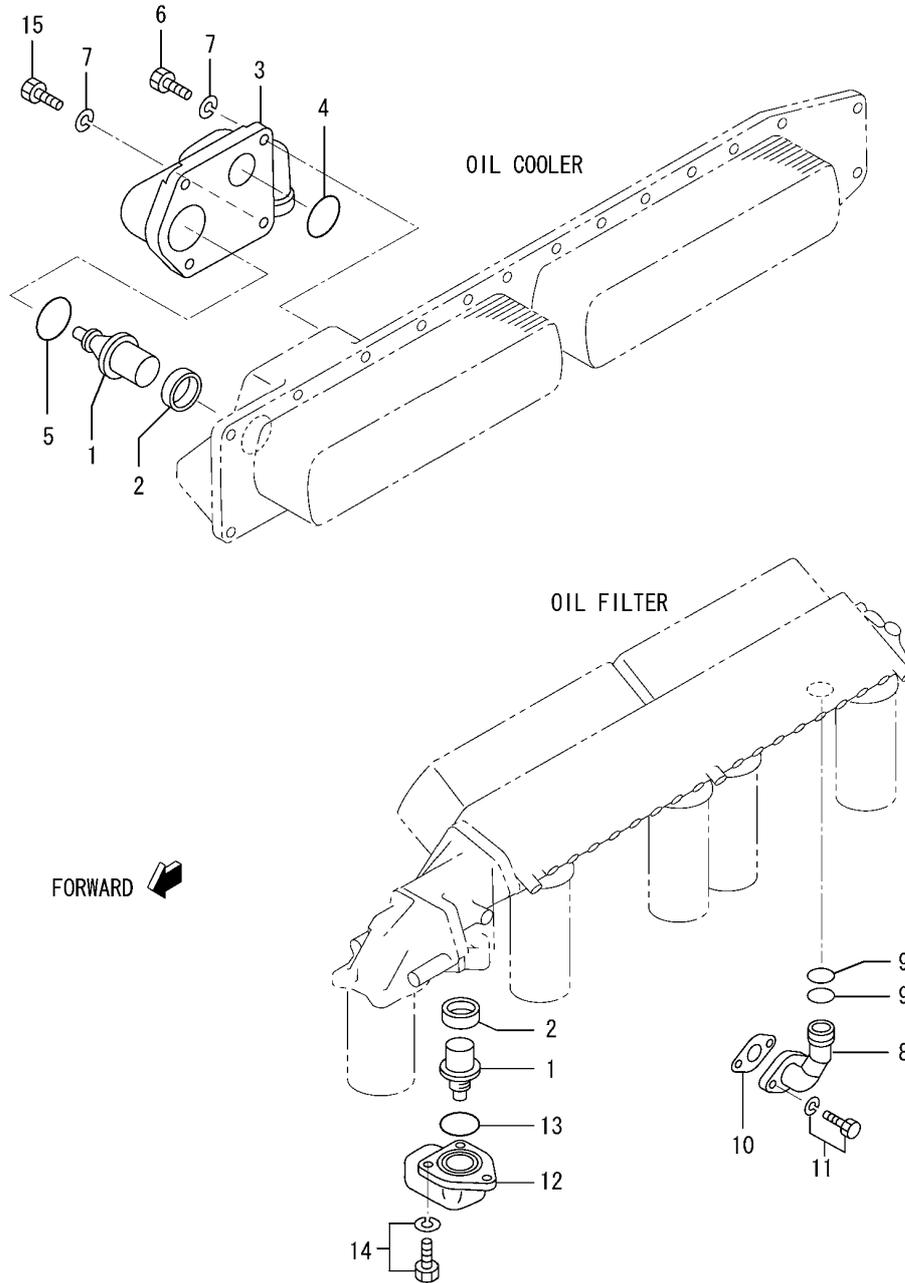
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37735-00030			PUMP ASSY, OIL	1	1					
1 01	37735-81000			CASE ASSY	1	1					
1 02	*			CASE, OIL PUMP	1	1					
1 03	*			BUSHING	3	3					
1 04	*			PIN, DOWEL	2	2					
1 05	37735-72000			COVER ASSY	1	1					
1 06	*			COVER	1	1					
1 07	*			BUSHING	3	3					
1 08	37735-30300			GEAR, DRIVE Z=10	1	1					
1 09	37735-40400			GEAR, DRIVEN Z=10	2	2					
1 10	37735-30701			PACKING	1	1					A
1 11	37735-48020			VALVE ASSY	3	3					
1 12	*			CASE, VALVE	3	3					
1 13	34A35-01200			VALVE, SAFETY	3	3					
1 14	37535-02300			SPRING	3	3					A
1 15	37535-12200			STOPPER	3	3					
1 16	37735-10900			O-RING	3	3					A
1 17	37735-21800			PLUG	3	3					A
1 18	05946-02401			WASHER, SEALING	3	3					A
1 19	05946-03301			WASHER, SEALING	3	3					A
1 20	F1805-10035			BOLT, W/WASHER B/W	6	6					A
1 21	F1035-10080			BOLT	2	2					A
1 22	F2515-10000			WASHER, SPRING	2	2					A
1 23	04827-90330			PLUG, TAPERED	1	1					A
2	F1035-12090			BOLT	3	3					A
3	F2515-12000			WASHER, SPRING	3	3					A
4	05507-21450			O-RING	1	1					A
5	05507-20750			O-RING	2	2					A
6	37735-03100			COVER, OIL PUMP	1	1					
7	F5006-26000			PLUG, TAPERED	1	1					A

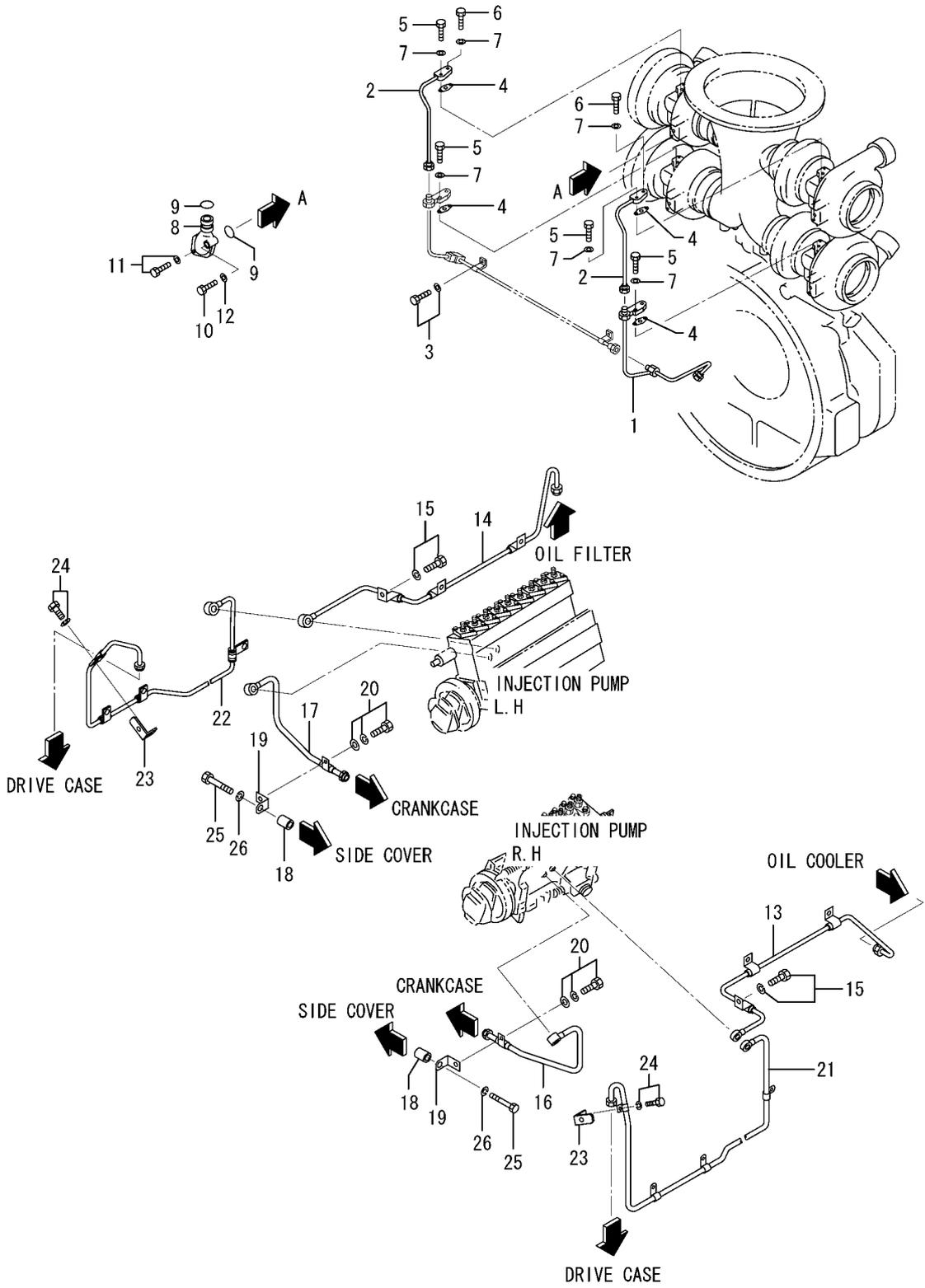
OIL STRAINER PIPING



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37736-10101			STRAINER, OIL	1	1					A
2	F1805-12030			BOLT, W/WASHER B/W	2	2					A
3	05507-20800			O-RING	1	1					A
4	37736-03400			CONNECTOR	1	1					A
5	F1805-10030			BOLT, W/WASHER B/W	2	2					A
6	F1035-10080			BOLT	2	2					A
7	F2515-10000			WASHER, SPRING	2	2					A
8	37736-02501			PIPE, OIL	1	1					
9	32646-08600			STAY	1	1					
10	F1825-10020			BOLT, W/WASHER B/W	1	1					A
11	F1805-10020			BOLT, W/WASHER B/W	1	1					A
12	F1035-12080			BOLT	2	2					A
13	F2515-12000			WASHER, SPRING	2	2					A
14	05507-20800			O-RING	1	1					A
15	05507-20650			O-RING	2	2					A
16	37836-03601			PIPE, OIL	1	1					
17	F1035-10065			BOLT	1	1					A
18	F1805-10025			BOLT, W/WASHER B/W	1	1					A
19	F2515-10000			WASHER, SPRING	1	1					A
20	37836-03701			PIPE, OIL	1	1					
21	F1805-10025			BOLT, W/WASHER B/W	6	6					A
22	05507-20500			O-RING	5	5					A
23	05507-20350			O-RING	16	16					A
24	37836-09400			PIPE, OIL	1	1					
25	37836-03901			PIPE, OIL	1	1					
26	37836-03500			COUPLING	4	4					
27	37836-03300			BRACKET, CLAMP	2	2					
28	F1825-12025			BOLT, W/WASHER B/W	4	4					A

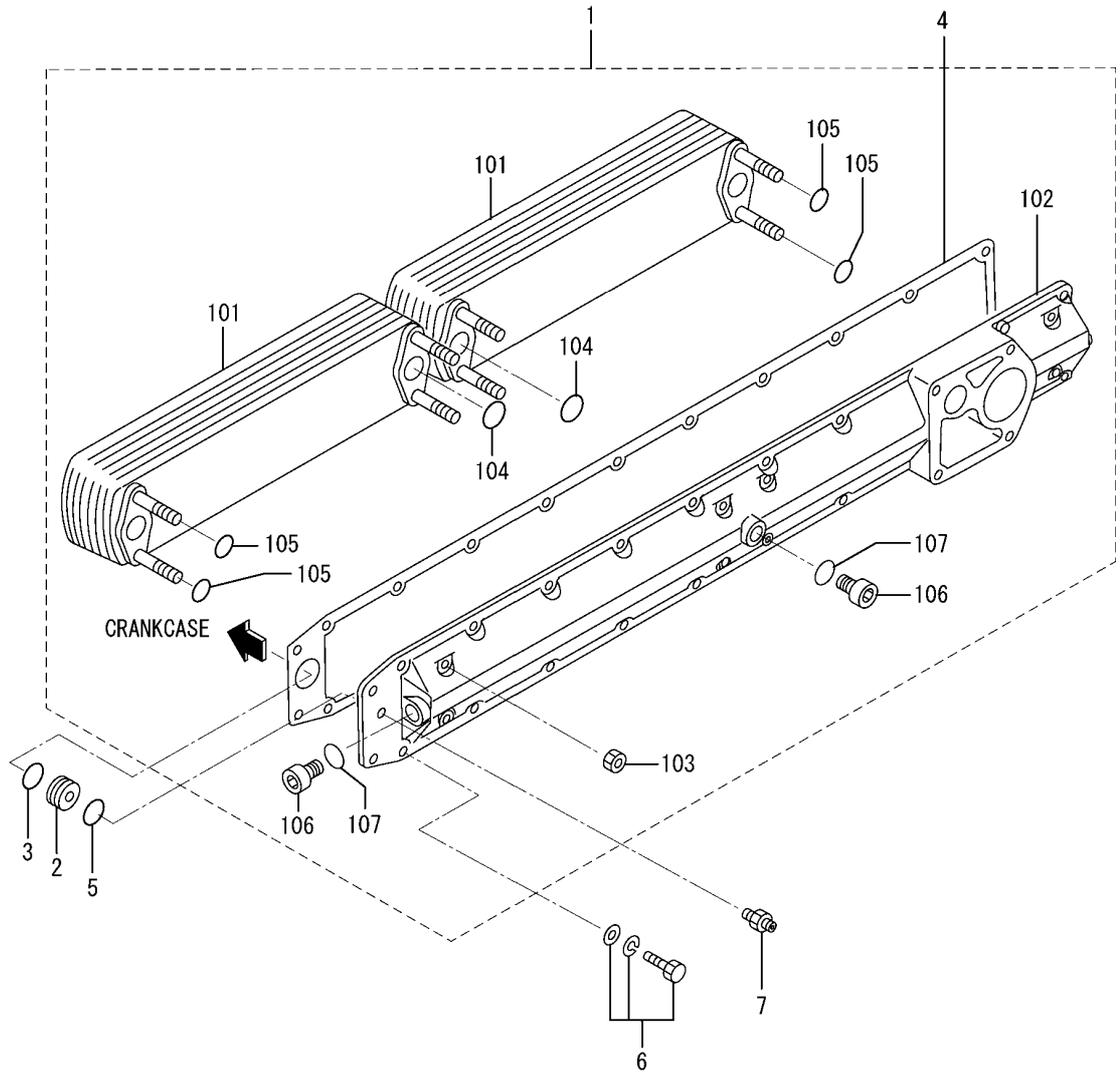
36-01 OIL FILTER PIPING



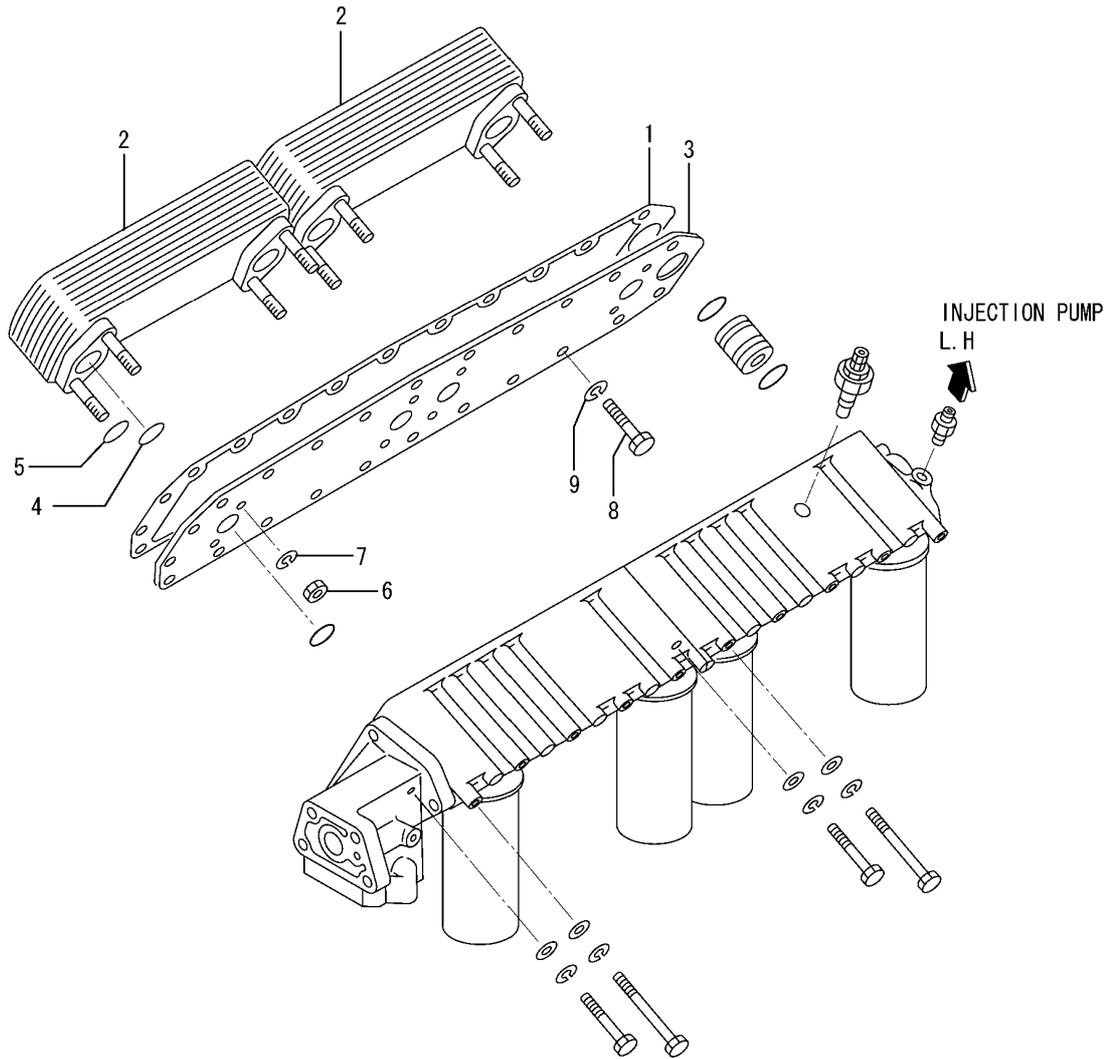


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37836-15101			PIPE, OIL	R. H	1	1				
2	37836-25200			PIPE, OIL	UPPER	2	2				
3	F1805-10016			BOLT, W/WASHER	B/W	2	2				A
4	35C36-02900			PACKING		4	4				A
5	F1155-10040			BOLT		6	6				A
6	F1155-10045			BOLT		2	2				A
7	F2515-10000			WASHER, SPRING		8	8				A
8	37836-25901			CONNECTOR, DRAIN		4	4				
9	05507-20250			O-RING		8	8				A
10	F1035-10080			BOLT		4	4				A
11	F1805-10025			BOLT, W/WASHER	B/W	4	4				A
12	F2515-10000			WASHER, SPRING		4	4				A
13	37836-36100			PIPE, OIL	R. H	1	1				
14	37836-46200			PIPE, OIL	L. H	1	1				
15	F1805-08020			BOLT, W/WASHER	B/W	2	2				A
16	37836-36600			C PIPE, DRAIN	R. H	1	1				
17	37836-46600	G	1	C PIPE, DRAIN	R. H	1	1	013045-	-013044		V
17	37836-36700			C PIPE, DRAIN	L. H	1	1				
18	37836-46700	G	1	C PIPE, DRAIN	L. H	1	1	013045-	-013044		V
18	37836-09700			A SPACER		2	2	013045-			
19	37836-09800			A STAY, DRAIN PIPE		2	2	013045-			
20	F1825-10020			A BOLT, W/WASHER	B/W	2	2	013045-			A
21	37836-76400			PIPE, OIL	R. H	1	1				
22	37836-86300			PIPE, OIL	L. H	1	1				
23	37836-16800			STAY, OIL PIPE		2	2				
24	F1805-08014			BOLT, W/WASHER	B/W	2	2				A
25	F1035-12065	A		BOLT		2	2	013045-			A
26	F2515-12000	A		WASHER, SPRING		2	2	013045-			A

39-00-01 OIL COOLER, R.H



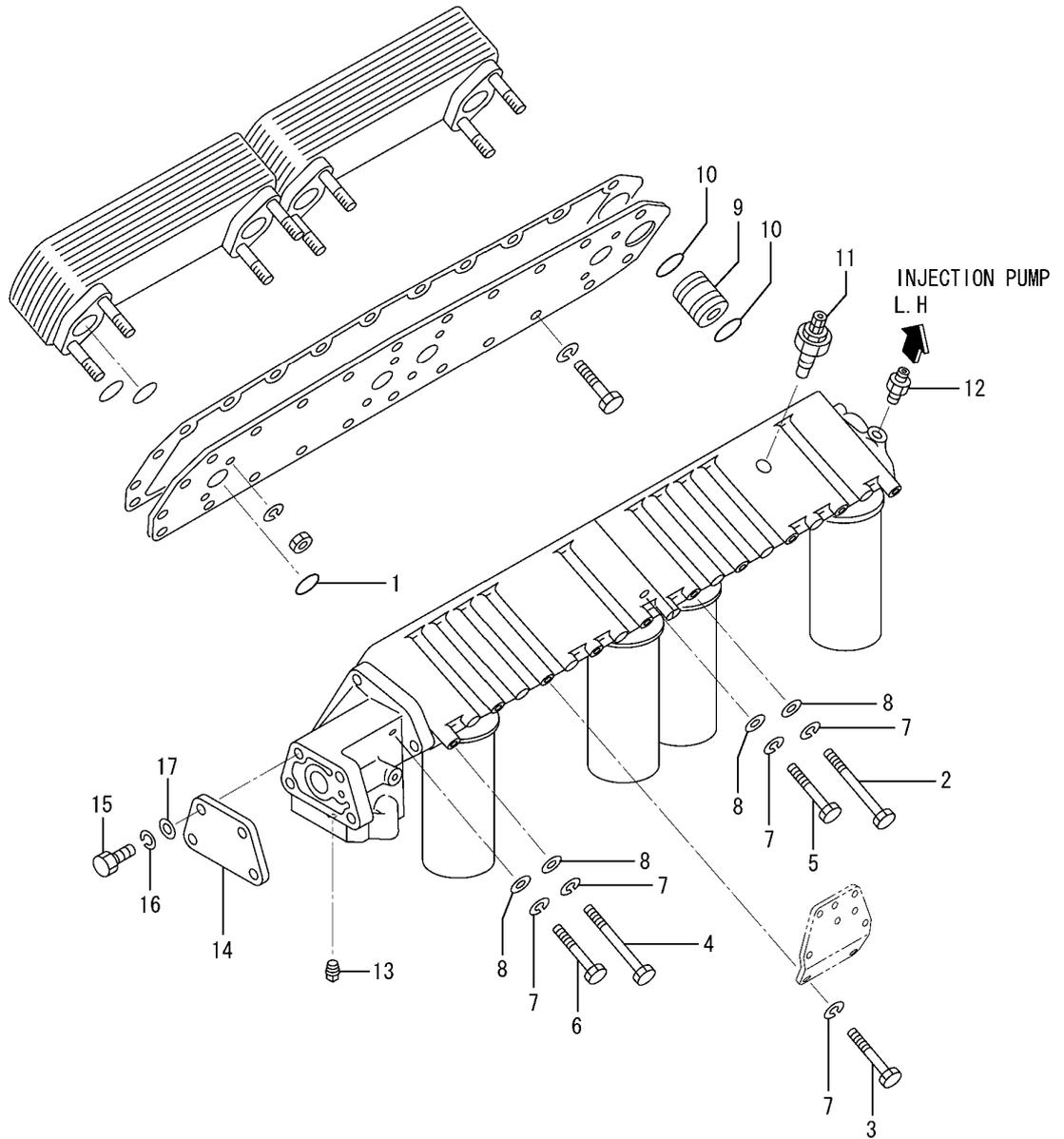
39-00-02 OIL COOLER, L.H



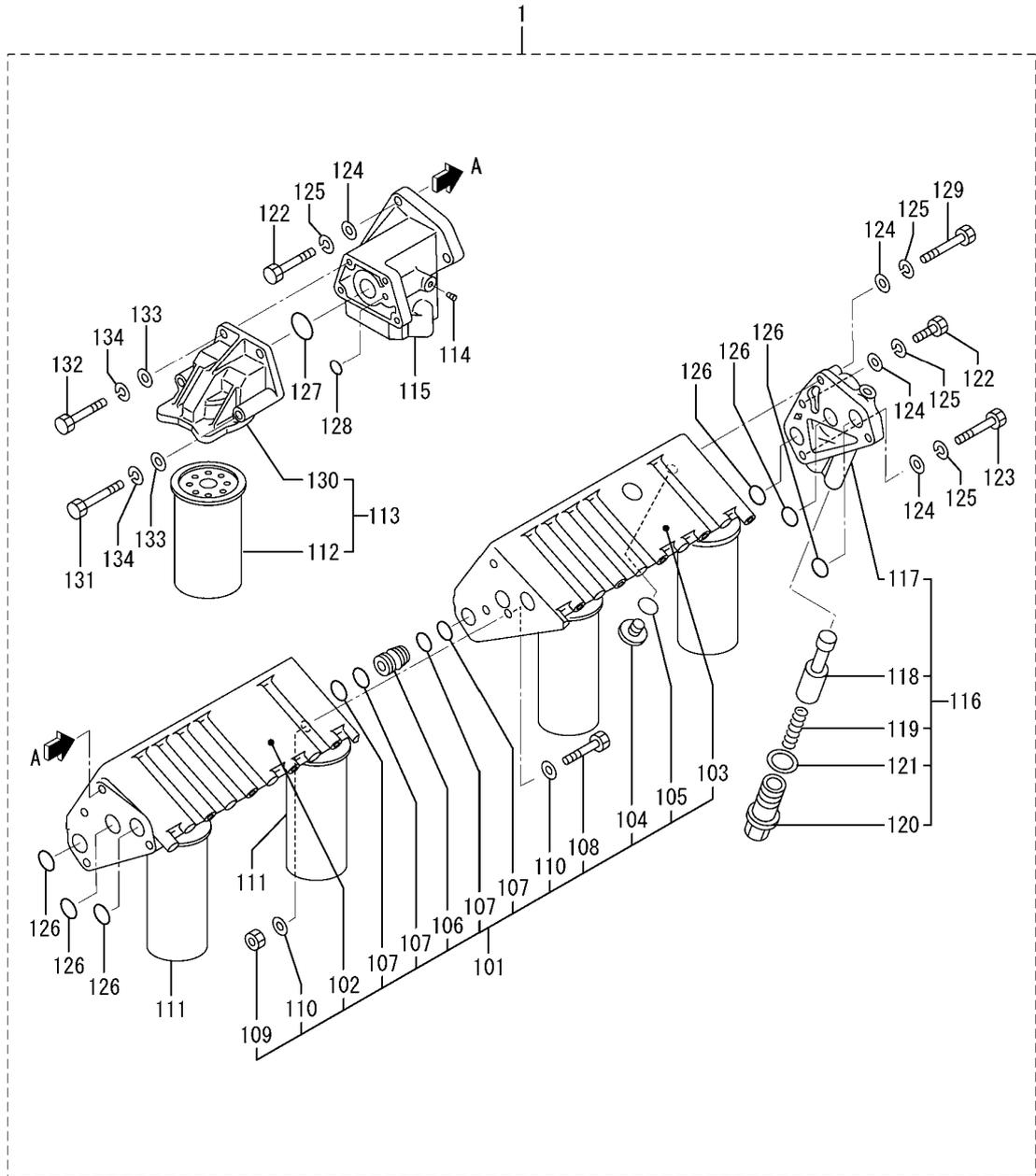
39-00-02 OIL COOLER, L.H

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY		APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M	FROM@-	-@UPTO		
1	37739-22200			GASKET, OIL COOLER	1	1				A
2	37739-32100			ELEMENT, OIL	2	2				
3	37739-22300			PLATE, OIL COOLER	1	1				
4	05507-20300			O-RING	4	4				A
5	05507-10140			O-RING	8	8				A
6	F2440-10000			NUT, SELF LOCKING	8	8				A
7	F2515-10000			WASHER, SPRING	8	8				A
8	F1035-12025			BOLT	3	3				A
9	F2515-12000			WASHER, SPRING	3	3				A

40-00-01 OIL FILTER GENERAL



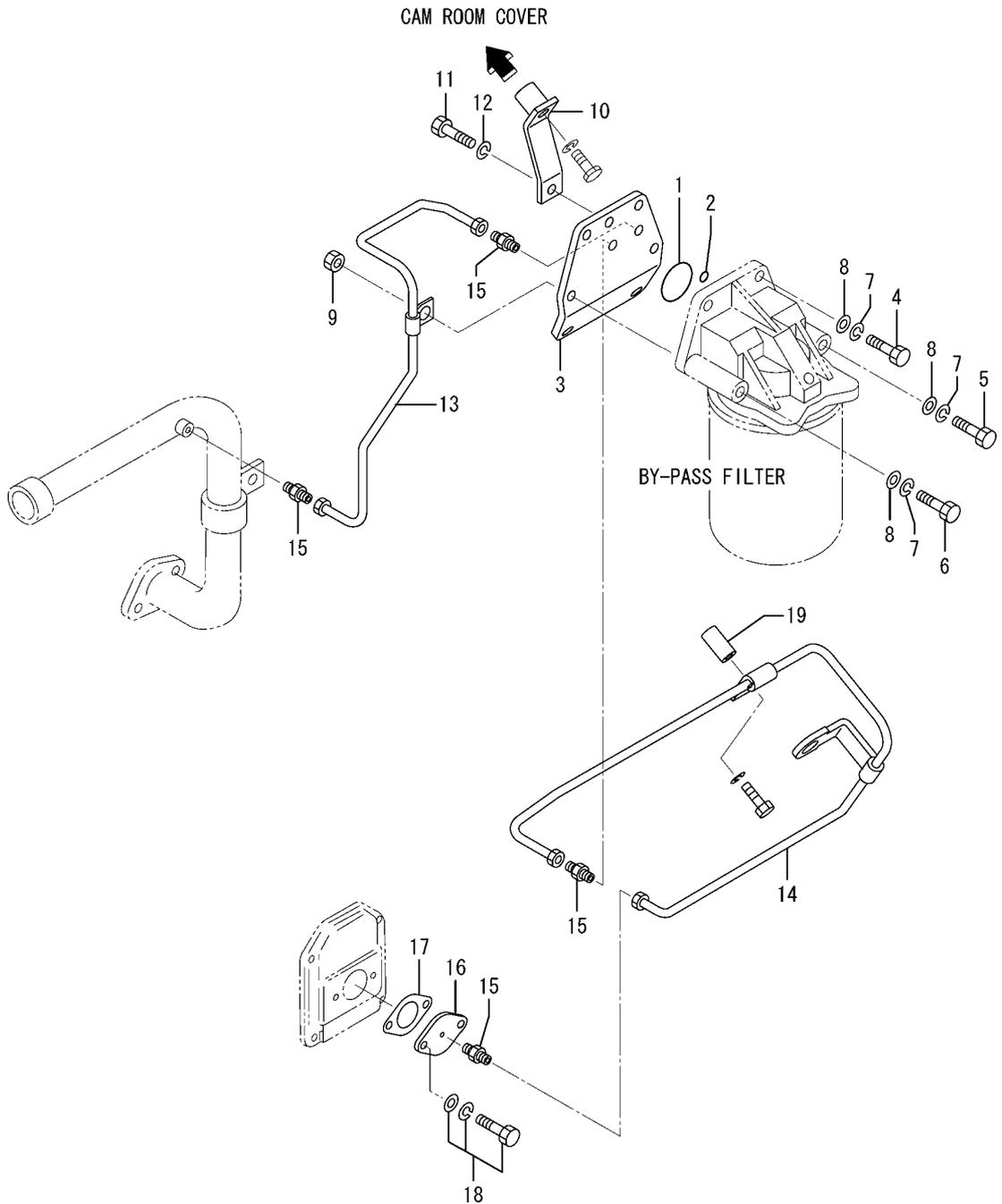
40-00-02 OIL FILTER ASSY
(PAPER-ELEMENT TYPE)

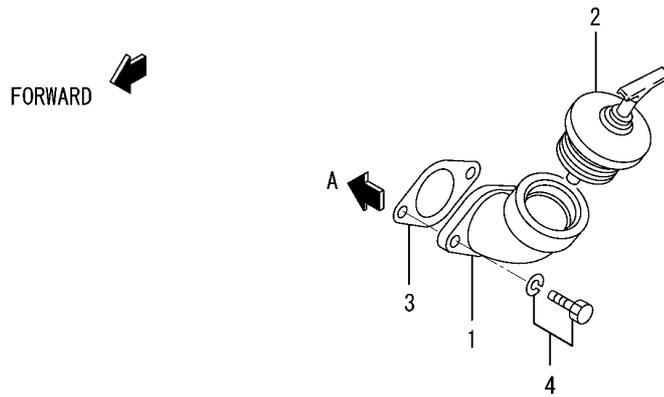
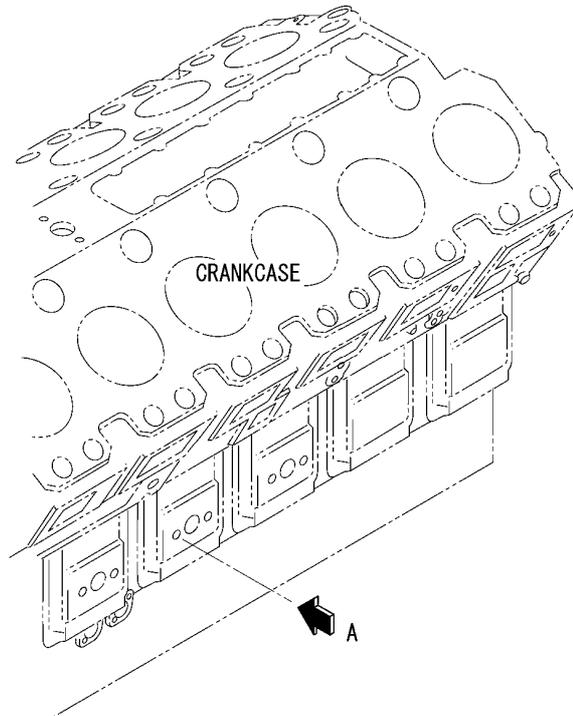


40-00-02 OIL FILTER ASSY
(PAPER-ELEMENT TYPE)

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37740-50011			FILTER ASSY, OIL	1	1					
1 01	37740-55100			BRACKET ASSY	1	1					
1 02	*			BRACKET SUB ASSY	1	1					
1 03	*			BRACKET SUB ASSY	1	1					
1 04	37740-27112			PLUG	2	2					
1 05	37740-27123			O-RING	2	2					A
1 06	37740-01700			COUPLING	3	3					
1 07	05507-20350			O-RING	12	12					A
1 08	F1035-08025			BOLT	2	2					A
1 09	F2300-08000			NUT, LOCK	2	2					A
1 10	F2500-08000			WASHER, PLAIN	4	4					A
1 11	37540-11100			ELEMENT, CARTRIDGE	4	4					
1 12	37540-02100			ELEMENT, CARTRIDGE	1	1					
1 13	37740-06011			FILTER ASSY, BY-PASS	1	1					A
1 14	F5005-10001			PLUG, TAPERED	3	3					A
1 15	37740-65400			ADAPTER ASSY	1	1					
1 16	37740-50300			ADAPTER ASSY	1	1					
1 17	*			BODY ASSY	1	1					
1 18	37740-50312			VALVE, OIL RELIEF	1	1					
1 19	37740-50313			SPRING, VALVE	1	1					A
1 20	37740-50314			CAP	1	1					
1 21	37740-50315			PACKING	1	1					A
1 22	F1035-12040			BOLT	6	6					A
1 23	F1035-12070			BOLT	1	1					A
1 24	F2500-12000			WASHER, PLAIN	8	8					A
1 25	F2515-12000			WASHER, SPRING	8	8					A
1 26	05507-20400			O-RING	6	6					A
1 27	05507-20350			O-RING	1	1					A
1 28	05507-10110			O-RING	1	1					A
1 29	F1035-12080			BOLT	1	1					A
1 30	35A40-15101			BRACKET ASSY	1	1					
1 31	05978-10110			BOLT	2	2					A
1 32	F1035-10035			BOLT	2	2					A
1 33	F2500-10000			WASHER, PLAIN	4	4					A
1 34	F2515-10000			WASHER, SPRING	4	4					A

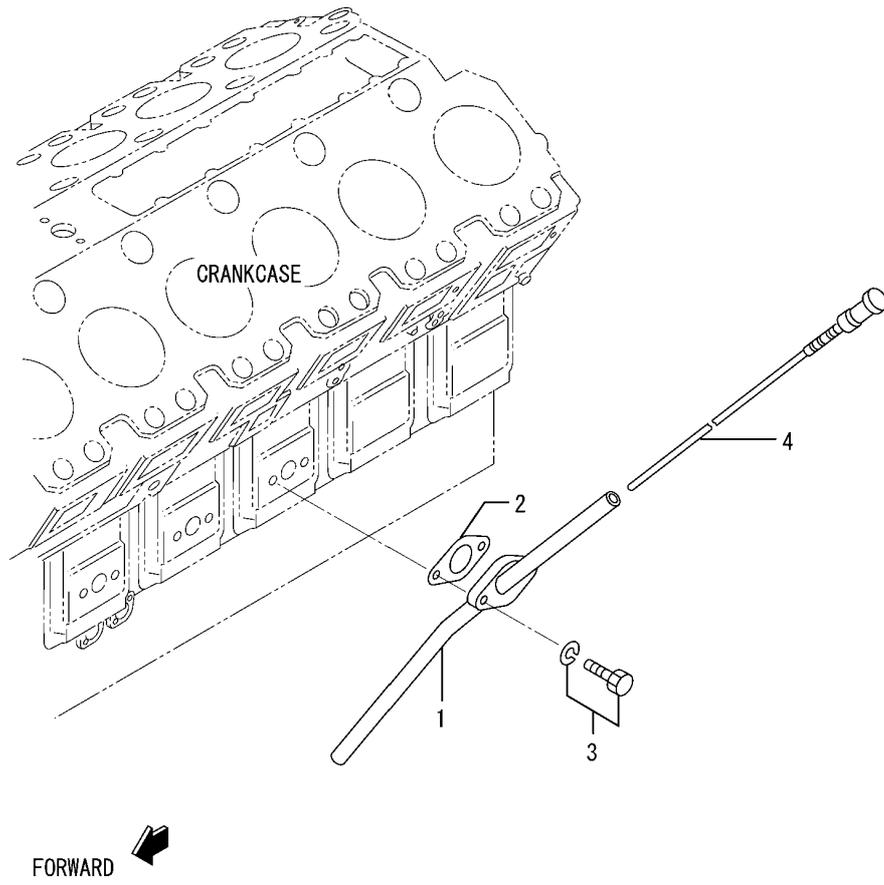
40-00-03 OIL FILTER (SEPARATED
B/P FILTER PIPING)

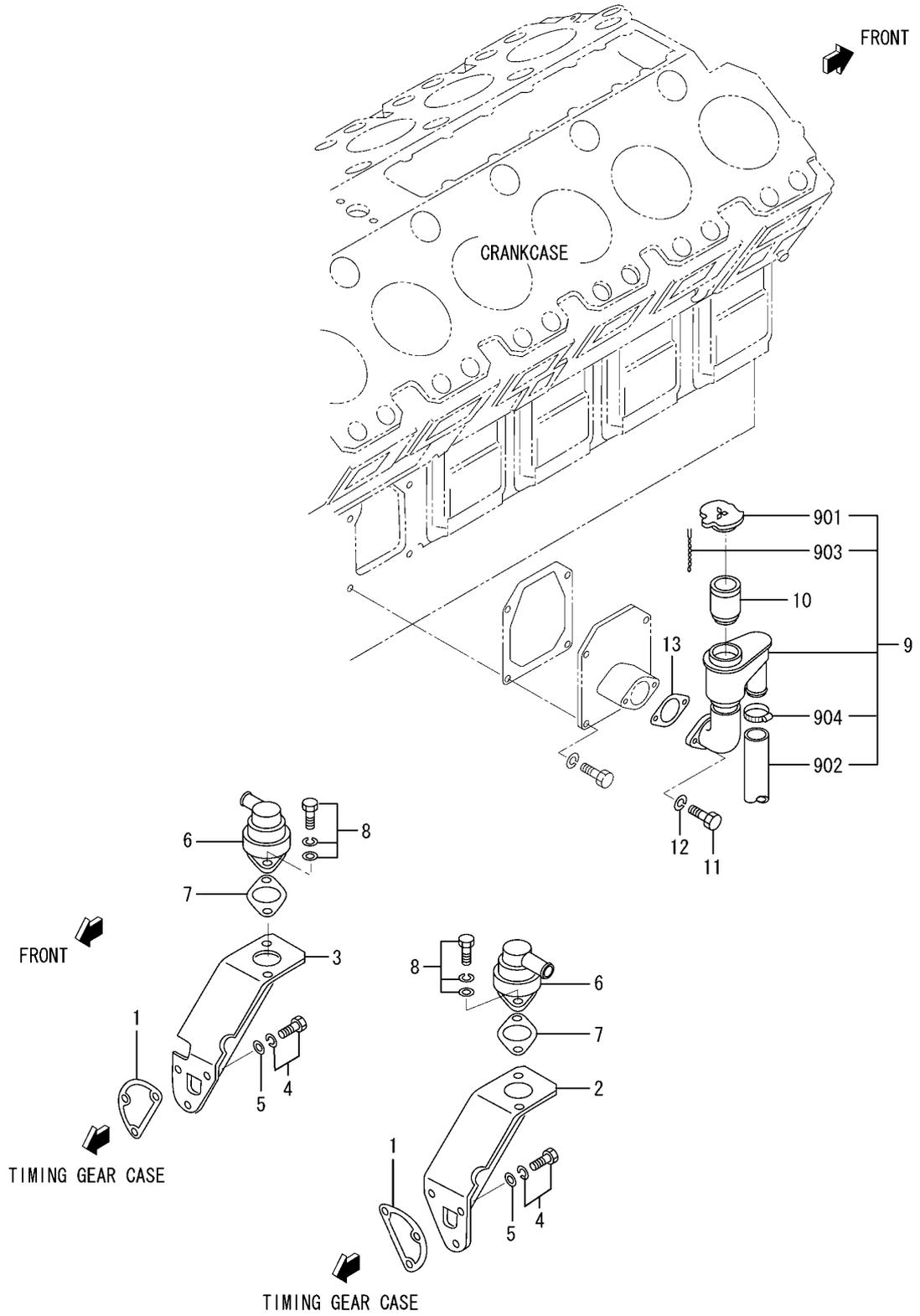




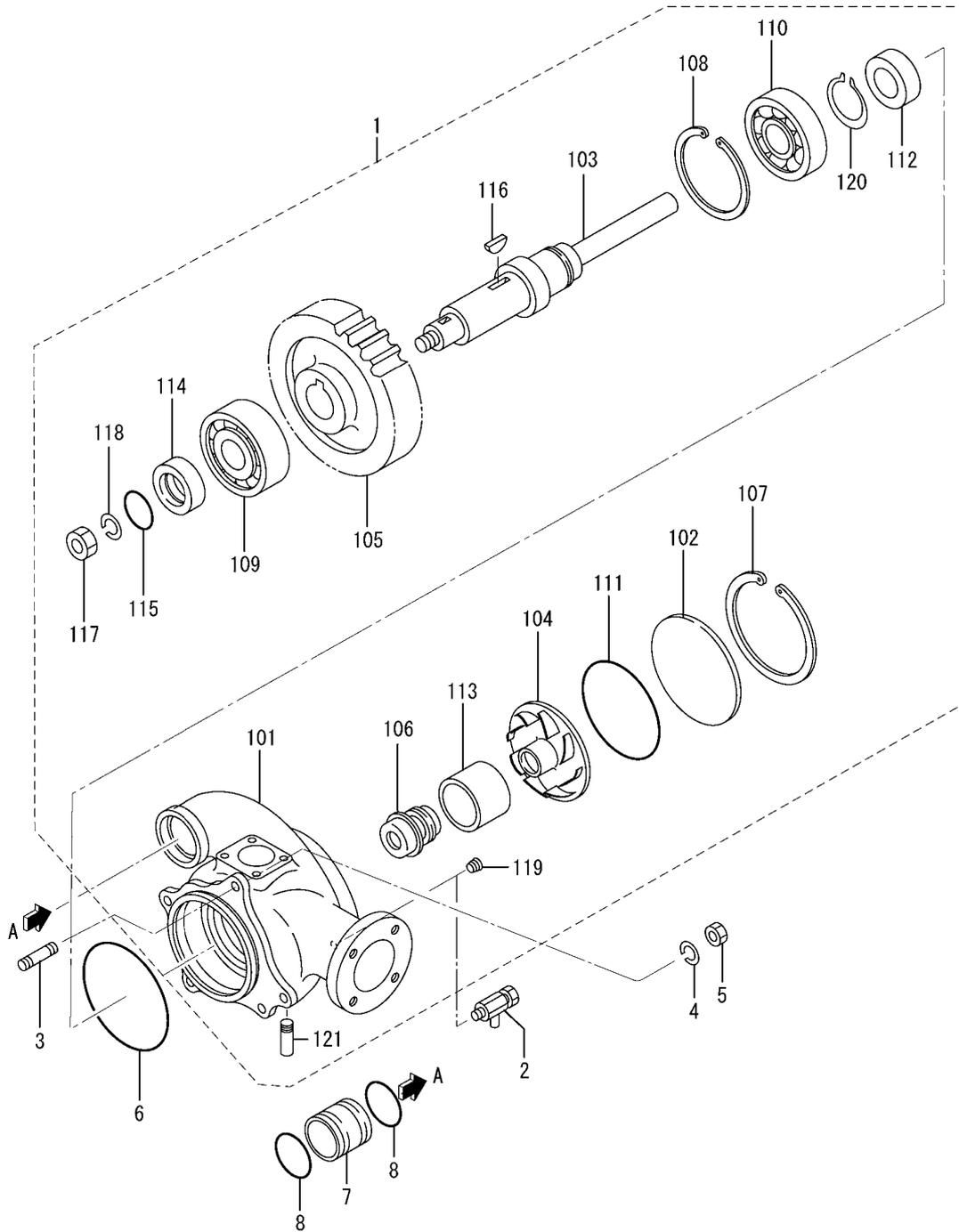
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY		APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M	FROM@-	-@UPTO		
1	32542-20500			FILLER, OIL	1	1				
2	34A42-00500			CAP, OIL FILLER	1	1				
3	33442-20200			PACKING	1	1				A
4	F1805-10025			BOLT, W/WASHER B/W	2	2				A

42-05 OIL LEVEL GAGE





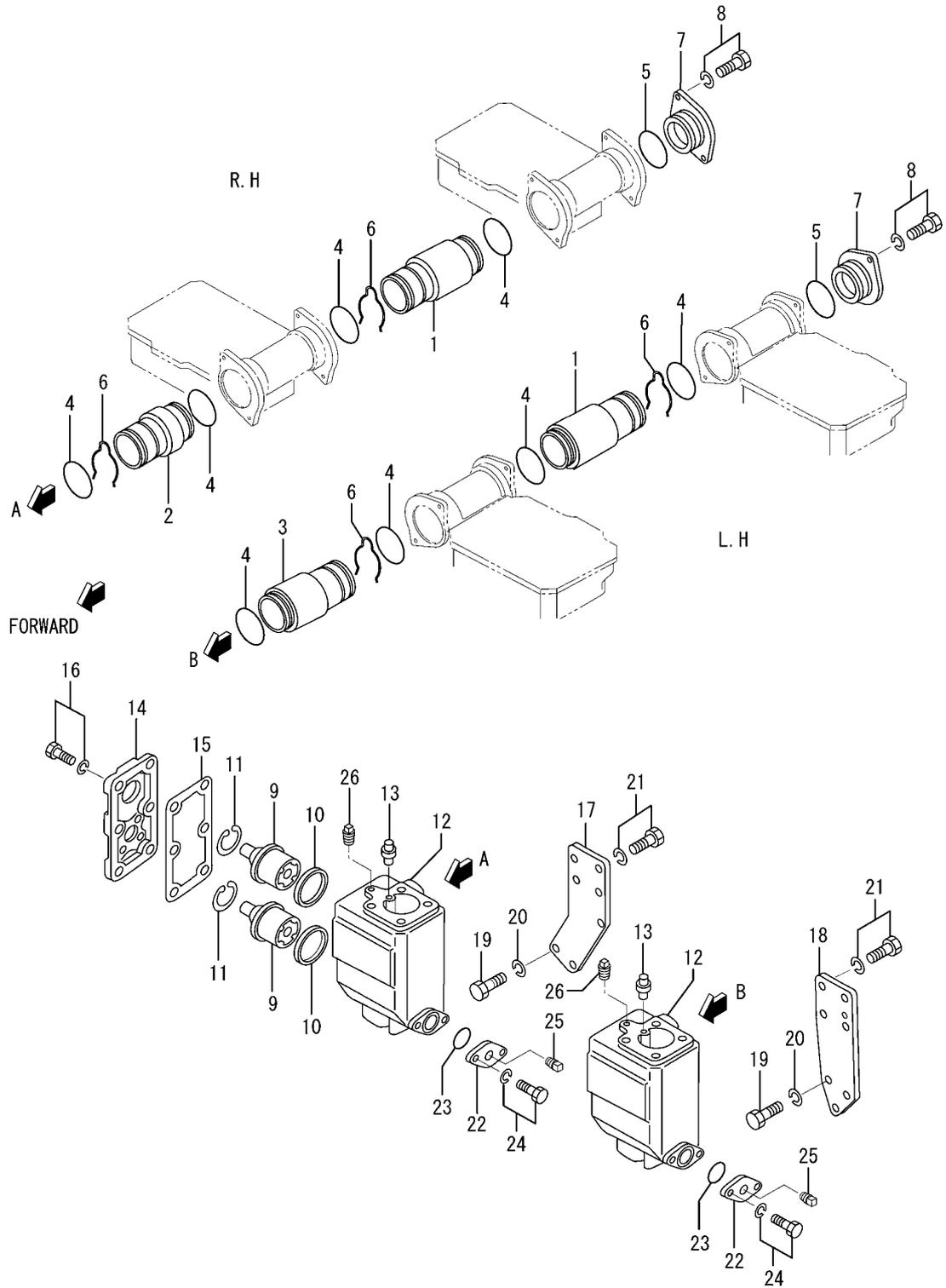
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37711-13200			PACKING	2	2					A
2	37743-04100			PIPE, BREATHER	1	1					
3	37743-04200			PIPE, BREATHER	1	1					
4	F1805-12020			BOLT, W/WASHER	6	6					A
5	F2500-12000			WASHER, PLAIN	6	6					A
6	36243-00010			C BREATHER	2	2			@013489		A
	36243-10010	3	1	BREATHER	2	2					A
7	45R43-40401			PACKING	2	2					A
8	F1825-10030			BOLT, W/WASHER	4	4					A
9	37543-10020	A		BREATHER ASSY	1	1		013187-			V
9 01	32542-01100	A		CAP	1	1		013187-			V
9 02	32042-20500	A		PIPE, BREATHER	1	1		013187-			V
9 03	30042-08201	C		CHAIN	1	1		013187-			V
	30042-08202	R	1	CHAIN	1	1		013187-			V
9 04	05317-50401	A		CLAMP	1	1		013187-			V
10	32542-11300	A		ELEMENT, BREATHER	1	1		013187-			V
11	F1035-12030	A		BOLT	2	2		013187-			A
12	F2515-12000	A		WASHER, SPRING	2	2		013187-			A
13	35B36-02900	A		GASKET, OIL	1	1		013187-			A



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37745-60010			PUMP ASSY, WATER	1	1					
1 01	*			CASE, WATER PUMP	1	1					
1 02	37545-00200			COVER, WATER PUMP	1	1					
1 03	37745-20400			SHAFT, WATER PUMP	1	1					
1 04	37745-20501			IMPELLER	1	1					A
1 05	37725-02200			GEAR, HEAD	1	1					
1 06	32645-01800			SEAL, UNIT	1	1					
1 07	37545-00300			RING, SNAP	1	1					A
1 08	F3202-12000			RING, SNAP	1	1					A
1 09	F8010-06310			BEARING, BALL	1	1					A
1 10	F8010-06311			BEARING, BALL	1	1					A
1 11	F3153-17000			O-RING	1	1					A
1 12	37525-03400			SEAL, OIL	1	1					A
1 13	37745-10600			RING	1	1					
1 14	37745-10700			SLEEVE	1	1					
1 15	F3156-05000			O-RING	1	1					A
1 16	F2870-10032			KEY, WOODRUFF	1	1					
1 17	F2325-30000			NUT, JAM	1	1					
1 18	F2515-30000			WASHER, SPRING	1	1					A
1 19	F5005-10001			PLUG, TAPERED	1	1					A
1 20	F3200-05500			RING, SNAP	1	1					A
1 21	37745-00900			PIPE	1	1					
2	32545-22900			COCK, WATER DRAIN	1	1					
3	05977-12060			STUD	3	3					
4	F2515-12000			WASHER, SPRING	3	3					A
5	F2300-12000			NUT	3	3					A
6	05507-21600			O-RING	1	1					A
7	37746-00400			COUPLING	1	1					
8	F3153-10500			O-RING	2	2					A

46-01-01 COOLING SYSTEM(THERMOSTAT)

- 90-

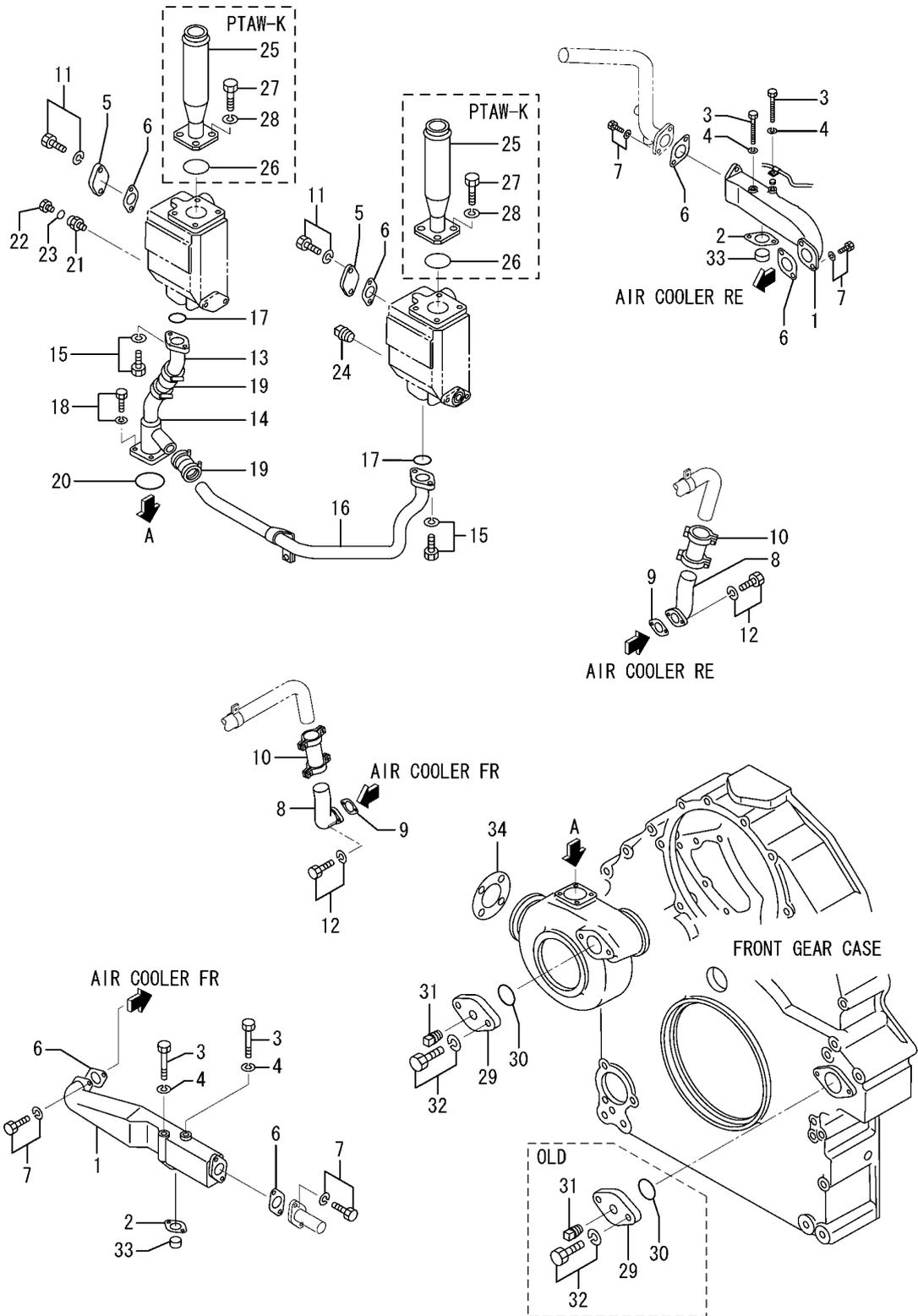


46-01-01 COOLING SYSTEM(THERMOSTAT)

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37746-01100			CONNECTOR	14	14					
2	37746-01200			CONNECTOR, R. H	1	1					
3	37746-01300			CONNECTOR, L. H	1	1					
4	37546-00500			O-RING	32	32			-013449	A	
	05505-31065	3	1	O-RING	32	32				A	V
5	05505-57060			O-RING	2	2					A
6	37546-11300			RING, SNAP	16	16					A
7	37546-21200			COVER	2	2					
8	F1805-10025			BOLT, W/WASHER	4	4					A
9	37546-21700			THERMOSTAT	4	4					
10	37546-01800			SEAL, THERMOSTAT	4	4					
11	37546-00900			RING, SNAP	4	4					A
12	37546-23701			CASE, THERMOSTAT	2	2			-012902		
13	37546-23702	N	1	CASE, THERMOSTAT	2	2		012903-			V
	36646-00090			VALVE ASSY, JIGGLE	2	2					
14	37546-17100			COVER, THERMOSTAT	2	2					
15	37546-23300			PACKING	2	2					A
16	F1805-10030			BOLT, W/WASHER	12	12					A
17	37746-13401			BRACKET, THERMO	1	1					
18	37899-H54L0			C BRACKET, THERMO	1	1					
19	37746-23500	R	1	BRACKET, THERMO	1	1					V
20	F1035-16040			BOLT	6	6					A
21	F2515-16000			WASHER, SPRING	6	6					A
22	F1805-10035			BOLT, W/WASHER	6	6					A
23	37546-00600			COVER	2	2					
24	F3153-06000			O-RING	2	2					A
25	F1805-10030			BOLT, W/WASHER	4	4					A
26	F5006-21000			PLUG, TAPERED	2	2					A
	F5006-10000	A		PLUG, TAPERED	2	2		012903-			V

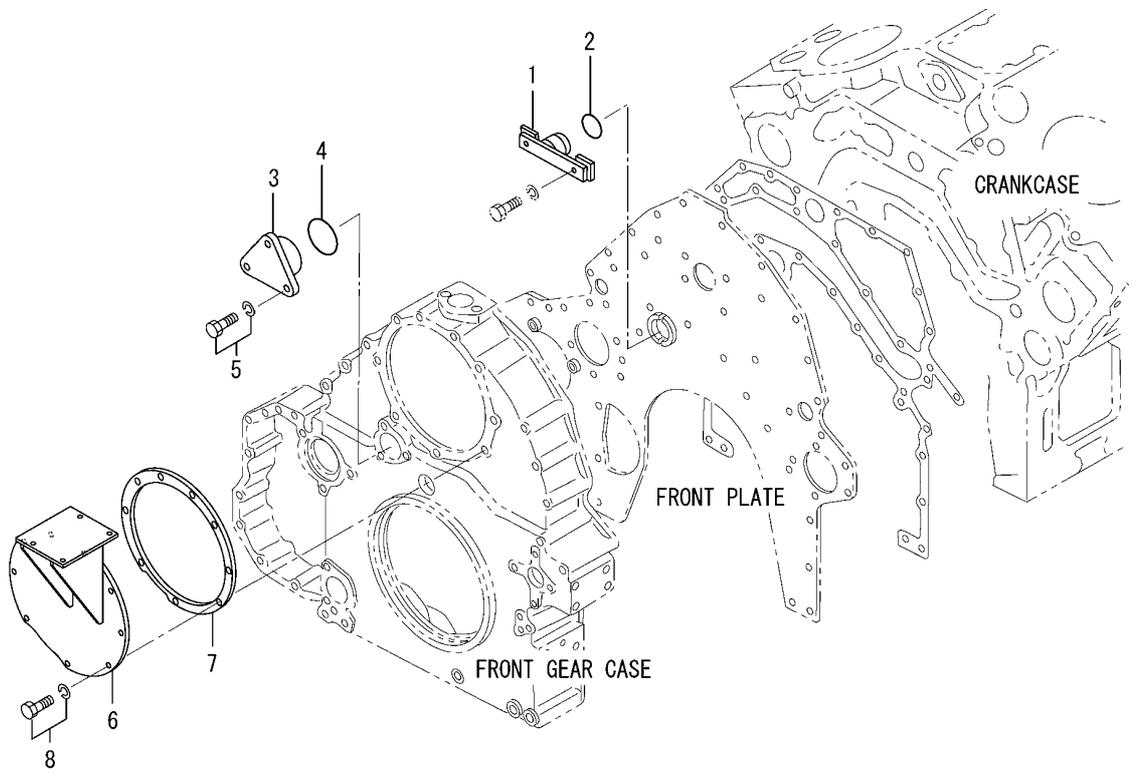
46-01-02 COOLING SYSTEM(PIPING)

- 92-

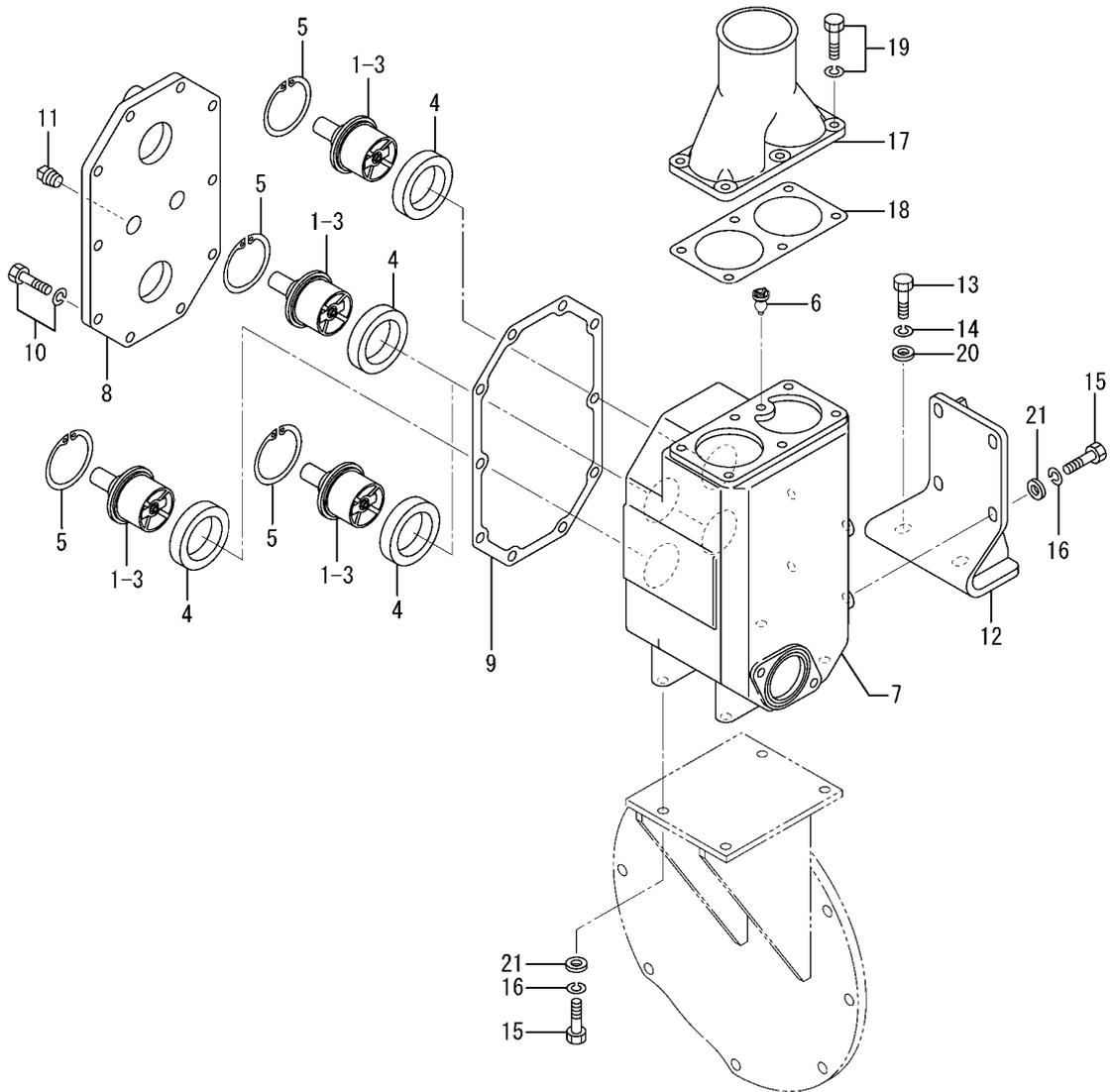


46-01-02 COOLING SYSTEM(PIPING)

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37746-14100			CONNECTOR, WATER	2	2					
2	33336-20500			PACKING	2	2					A
3	F1035-12110			BOLT	4	4					A
4	F2515-12000			WASHER, SPRING	4	4					A
5	33546-06900			COVER	2	2					
6	32546-46800			GASKET, SEA WATER	6	6					A
7	F1805-12030			BOLT, W/WASHER	8	8					A
8	37846-14202			PIPE, WATER	2	2					
9	32546-46800			GASKET, SEA WATER	2	2					A
10	04826-42050			COUPLING	2	2					
11	F1805-12030			BOLT, W/WASHER	4	4					A
12	F1805-10020			BOLT, W/WASHER	4	4					A
13	37746-24300			PIPE, BY-PASS	1	1					
14	37746-04800			PIPE, BY-PASS	1	1					
15	F1805-10025			BOLT, W/WASHER	4	4					A
16	37746-04400			PIPE, BY-PASS	1	1					
17	F3153-06000			O-RING	2	2					A
18	F1805-10025			BOLT, W/WASHER	4	4					A
19	04826-40032			COUPLING	2	2					
20	F3150-07000			O-RING	1	1					A
21	45600-42901			CONNECTOR	1	1					
22	F5000-16000			PLUG, DRAIN	1	1					A
23	05946-01601			WASHER, SEALING	1	1					A
24	F5005-21001			PLUG, TAPERED	7	7					A
25	47510-61601			PIPE, WATER	2	.					
26	F3153-07500			O-RING	2	.					A
27	F1035-10030			BOLT	8	.					A
28	F2515-10000			WASHER, SPRING	8	.					A
29	42800-53800			COVER	2	2					
	42800-53800	1		COVER	1	1		013265-	-013264		
30	F3153-05500		Q	O-RING	2	2					A
	F3153-05500	1		O-RING	1	1		013265-	-013264		A
31	F5006-21000		Q	PLUG, TAPERED	2	2					A
	F5006-21000	1		PLUG, TAPERED	1	1		013265-	-013264		A
32	F1805-10030		Q	BOLT, W/WASHER	4	4					A
	F1805-10030	1		BOLT, W/WASHER	2	2		013265-			A
33	04826-24000			CAP, SEALING	2	2					A
34	04826-28090			PACKING	1	.					A



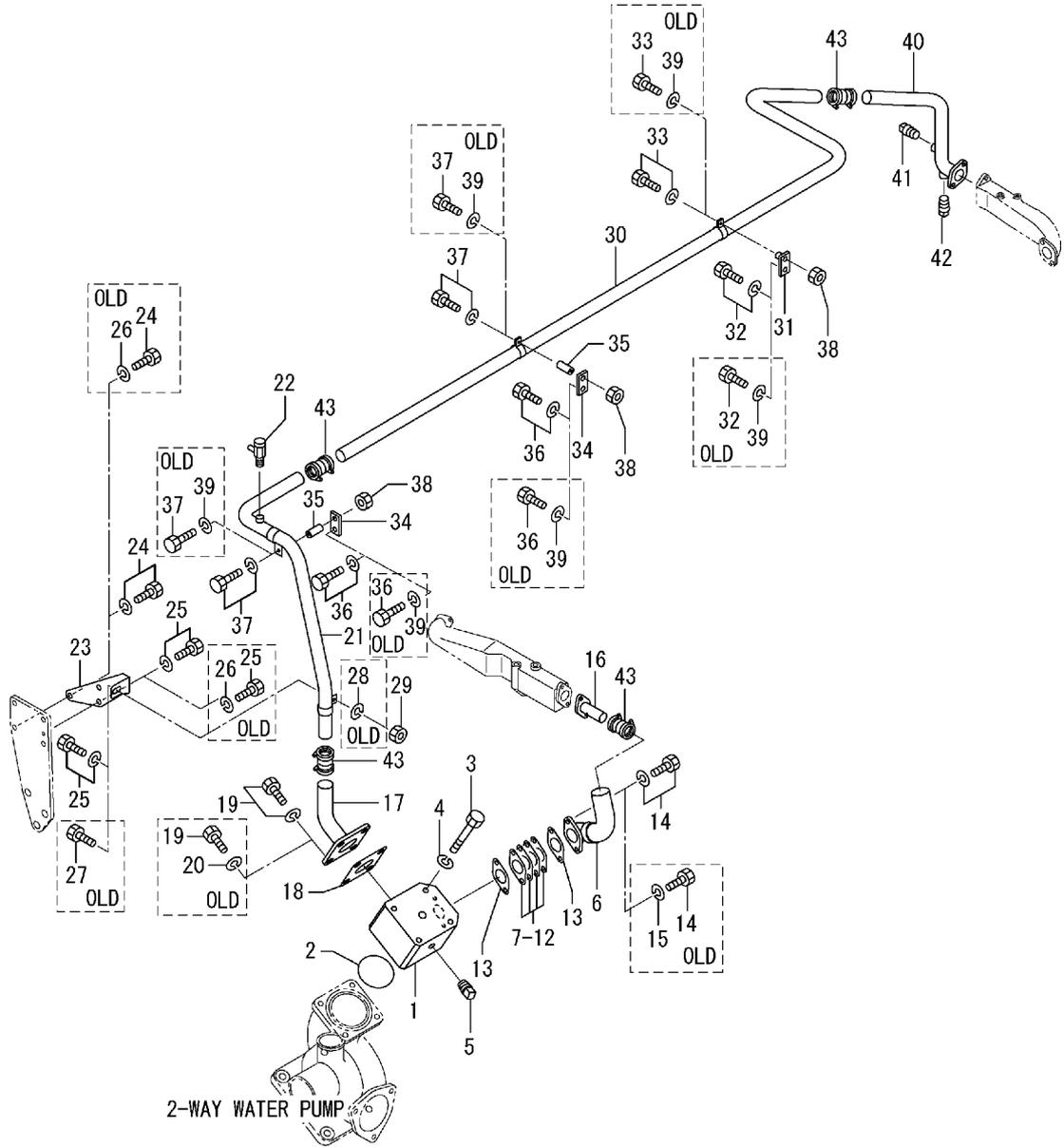
51-00-01 SEA WATER COOLING (THERMOSTAT)



51-00-01 SEA WATER COOLING (THERMOSTAT)

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37K46-06100		D	THERMOSTAT	30°C	4	4				
2	37K46-06200		D	THERMOSTAT	35°C	4	4				
3	37K46-06300			THERMOSTAT	42°C	4	4				
4	37546-01800			SEAL, THERMOSTAT		4	4				A
5	37546-00900			RING, SNAP		4	4				A
6	36646-00090			VALVE ASSY, JIGGLE		1	1				
7	37751-01100		C	CASE, THERMOSTAT		1	1				
	37751-11100	G	1	CASE, THERMOSTAT		1	1	013268-	-013267		V
8	37895-10710		C	COVER, THERMOSTAT		1	1				
	37751-03100	R	1	COVER, THERMOSTAT		1	1				V
9	37895-10720		C	PACKING, COVER		1	1				A
	37751-03200	R	1	PACKING, COVER		1	1				V
10	F1805-10030			BOLT, W/WASHER	B/W	10	10				A
11	F5006-21000			PLUG, TAPERED		2	2				A
12	37895-10740		C	STAY, THERMO CASE		1	1				
	37751-04200	R	1	STAY, THERMO CASE		1	1				V
13	F1035-12025		C	BOLT		2	2				A
	F1035-12030	N	1	BOLT		2	2	013268-	-013267		V
14	F2515-12000			WASHER, SPRING		2	2				A
15	F1035-10025		C	BOLT		8	8				A
	F1035-10030	N	1	BOLT		8	8	013268-	-013267		V
16	F2515-10000			WASHER, SPRING		8	8				A
17	32346-23200		C	COVER, THERMO		1	1				
	37751-02100	N	1	COVER, THERMO		1	1	013268-	-013267		V
18	32546-25400		C	PACKING		1	1				A
	37751-02200	N	1	PACKING		1	1	013268-	-013267		V
19	F1805-08025		C	BOLT, W/WASHER	B/W	8	8				A
	F1805-10025	N	1	BOLT, W/WASHER	B/W	6	6	013268-	-013267		V
20	F1805-10025		A	WASHER		2	2	013268-			V
21	58034-04400		A	WASHER		8	8	013268-			V

51-00-02 SEA WATER COOLING (OUTER PIPING)

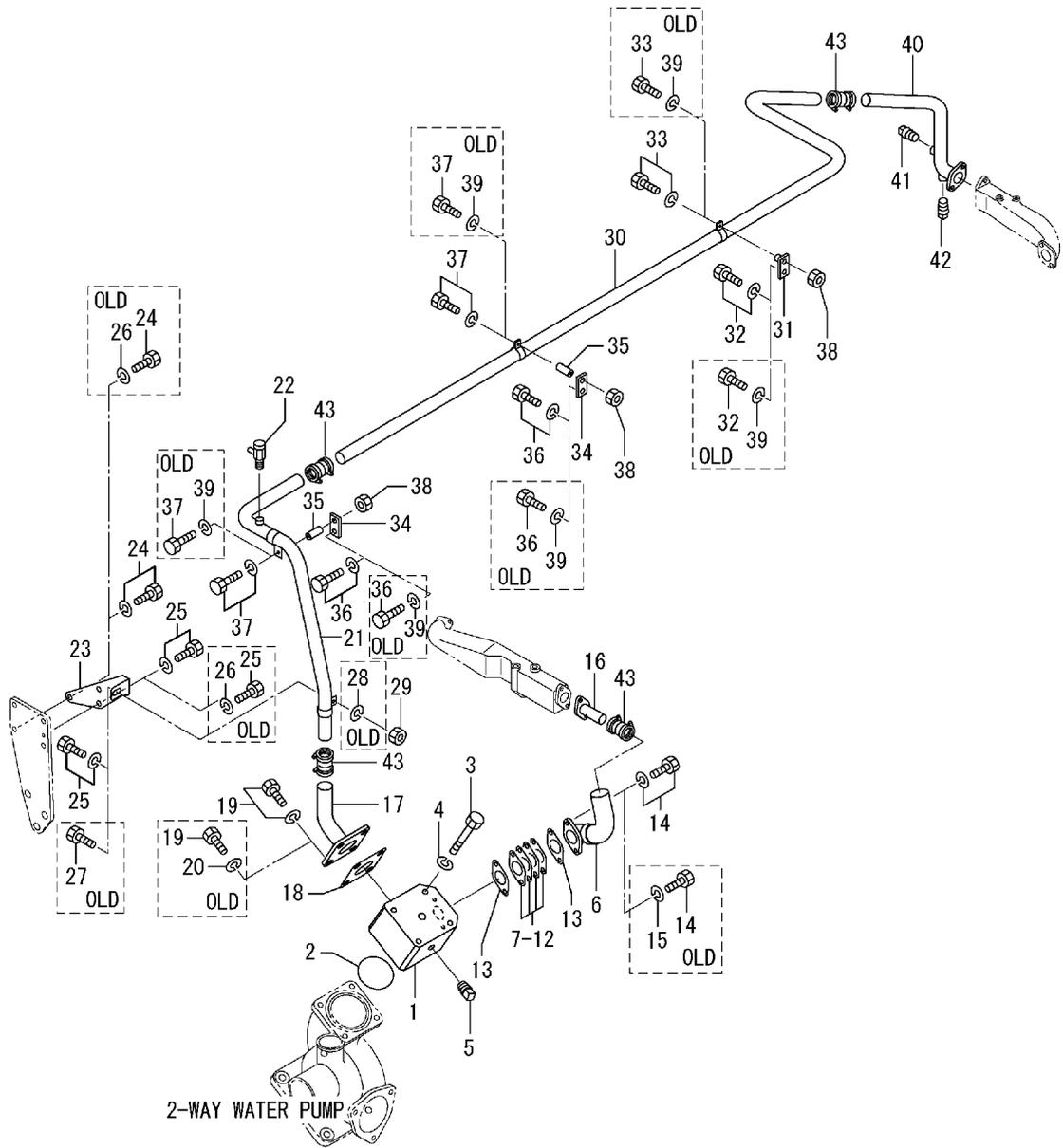


51-00-02 SEA WATER COOLING
(OUTER PIPING)

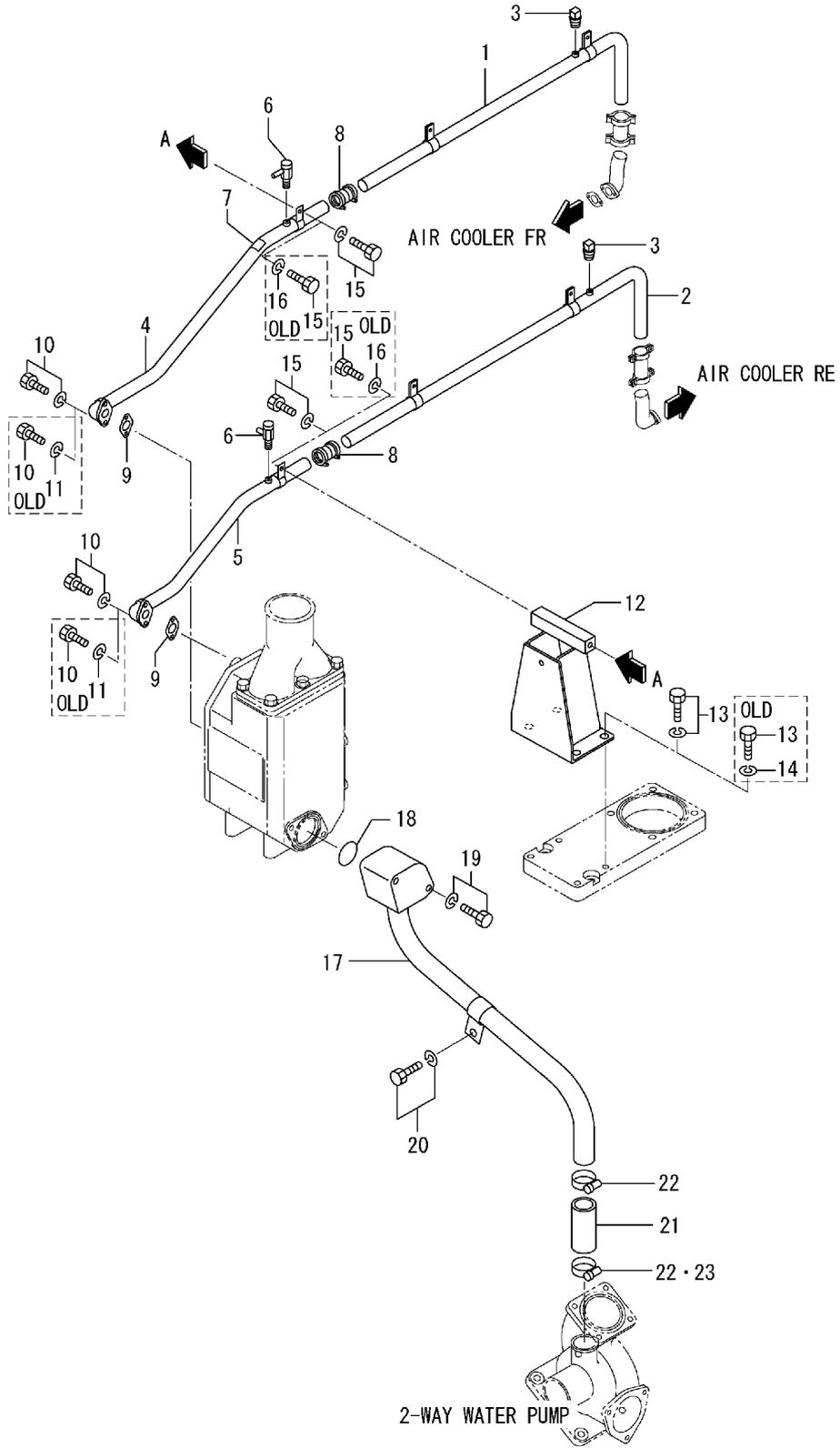
- 99-

REF. -NO.	PART NO.	R / P	S E N G P Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37895-10810		C	CONNECTOR, WATER	1	1					
2	37751-05100	R 1	C	CONNECTOR, WATER	1	1					V
3	05507-10950			O-RING	1	1				A	
4	F1035-12120			BOLT	4	4				A	
5	F2515-12000			WASHER, SPRING	4	4				A	
6	F5006-21000		C	PLUG, TAPERED	2	2					A
7	37895-10820	R 1	C	PIPE, WATER	1	1					V
8	37851-05100	R 1	C	PIPE, WATER	1	1					V
9	37899-H54J0	R 1	C	ORIFICE D=25	AR	AR					V
10	37751-05350	R 1	C	ORIFICE D=25	AR	AR					V
11	37899-H54J1	R 1	C	ORIFICE D=30	AR	AR					V
12	37751-05340	R 1	C	ORIFICE D=30	AR	AR					V
13	37899-H54J2	R 1	C	ORIFICE D=35	AR	AR					V
14	37751-05330	R 1	C	ORIFICE D=35	AR	AR					V
15	37899-H54J3	R 1	C	ORIFICE D=40	AR	AR					V
16	37751-05320	R 1	C	ORIFICE D=40	AR	AR					V
17	37899-H54J4	R 1	C	ORIFICE D=45	AR	AR					V
18	37751-05310	R 1	C	ORIFICE D=45	AR	AR					V
19	37899-H54J5	R 1	C	ORIFICE D=50	AR	AR					V
20	37751-05300	R 1	C	ORIFICE D=50	AR	AR					V
21	32546-46800			GASKET, SEA WATER	2	2				A	
22	F1035-12030		C	BOLT	2	2				A	
23	F1805-12030	N 1		BOLT, W/WASHER B/W	2	2		013268-	-013267	A	V
24	F2515-12000		D	WASHER, SPRING	2	2				A	V
25	37899-H54A0		C	PIPE, WATER	2	2				A	V
26	37851-05200	R 1		PIPE, WATER	1	1					V
27	37895-10830	R 1	C	PIPE, WATER	1	1					V
28	37851-05300	R 1		PIPE, WATER	1	1					V
29	04829-70501			GASKET	1	1				A	
30	F1035-12030		C	BOLT	4	4				A	
31	F1805-12030	N 1		BOLT, W/WASHER B/W	4	4		013268-	-013267	A	V
32	F2515-12000		D	WASHER, SPRING	4	4				A	
33	37895-10840	R 1	C	PIPE, WATER	1	1					V
34	37851-05400	R 1		PIPE, WATER	1	1					V
35	32545-22900			COCK, DRAIN	1	1					V
36	37895-10850	R 1	C	STAY, PIPE	1	1					V
37	37851-05700	R 1	C	STAY, PIPE	1	1					V
38	F1035-10040		C	BOLT	2	2				A	
39	F1805-10040	N 1		BOLT, W/WASHER B/W	2	2		013268-	-013267	A	V
40	F1035-10025		C	BOLT	1	1				A	
41	F1805-10025	N 1		BOLT, W/WASHER B/W	2	2		013268-	-013267	A	V
42	F2515-10000		D	WASHER, SPRING	3	3				A	
43	F1035-10025		D	BOLT	1	1				A	
44	F2515-10000		D	WASHER, SPRING	1	1				A	
45	F2300-10000			NUT, LOCK	1	1				A	
46	37895-10860	R 1	C	PIPE, WATER	1	1					V
47	37851-05500	R 1		PIPE, WATER	1	1					V
48	47521-60900			STAY, CLAMP	1	1					V
49	F1035-10020		C	BOLT	1	1				A	
50	F1805-10020	N 1		BOLT, W/WASHER B/W	1	1		013268-	-013267	A	V

51-00-02 SEA WATER COOLING (OUTER PIPING)



51-00-03 SEA WATER COOLING (INNER PIPING)

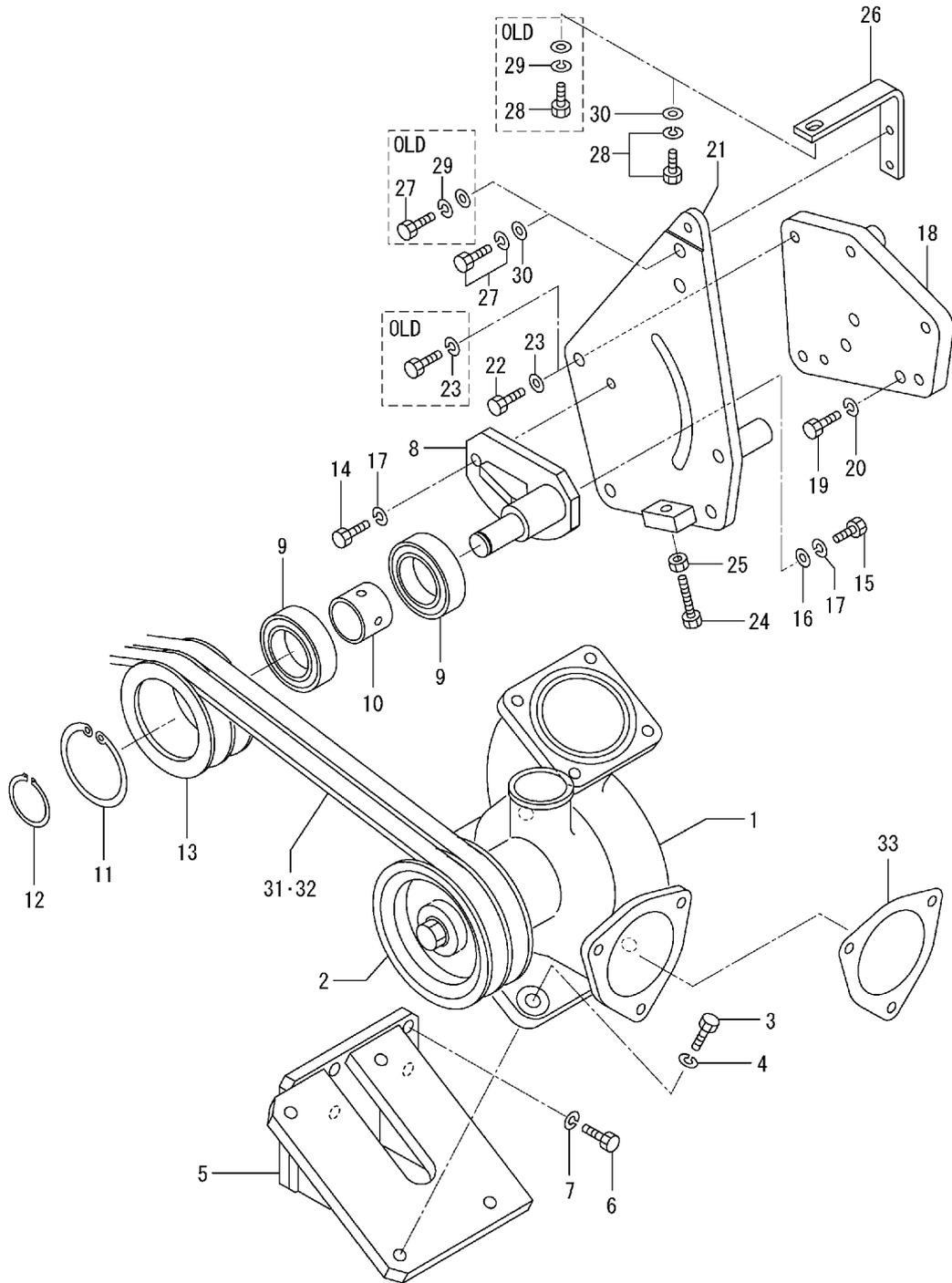


51-00-03 SEA WATER COOLING
(INNER PIPING)

-103-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37895-10920		C	PIPE, WATER	L. H	1	1				
2	37851-06100	R	1	PIPE, WATER	L. H	1	1				V
	37895-10930		C	PIPE, WATER	R. H	1	1				
3	37851-06200	R	1	PIPE, WATER	R. H	1	1				V
	F5006-21000			PLUG, TAPERED		2	2			A	
4	37895-10940		C	PIPE, WATER	L. H	1	1				
5	37851-06300	R	1	PIPE, WATER	L. H	1	1				V
	37895-10950		C	PIPE, WATER	R. H	1	1				
6	37851-06400	R	1	PIPE, WATER	R. H	1	1				V
	32545-22900			COCK, DRAIN		2	2				
7	37546-01600			LABEL, CAUTION		1	1				
8	04826-42050			COUPLING		2	2				
9	32546-46800			GASKET, SEA WATER		2	2				A
10	F1035-12030		C	BOLT		4	4		-013267		A
	F1805-12025	N	1	BOLT, W/WASHER	B/W	4	4	013268-			A V
11	F2515-12000		D	WASHER, SPRING		4	4		-013267		A
12	37895-10960		C	STAY, PIPE		1	1				
	37851-06500	R	1	STAY, PIPE		1	1				V
13	F1035-12030		C	BOLT		4	4		-013267		A
	F1805-12030	N	1	BOLT, W/WASHER	B/W	4	4	013268-			A V
14	F2515-12000		D	WASHER, SPRING		4	4		-013267		A
15	F1035-10020		C	BOLT		3	3		-013267		A
	F1805-10020	N	1	BOLT, W/WASHER	B/W	3	3	013268-			A V
16	F2515-10000		D	WASHER, SPRING		3	3		-013267		A
17	37895-10750		C	PIPE, BY-PASS		1	1				
18	37751-06500	R	1	PIPE, BY-PASS		1	1				V
	F3153-06000			O-RING		1	1				A
19	F1805-10085			BOLT, W/WASHER	B/W	2	2				A
20	F1805-10020			BOLT, W/WASHER	B/W	1	1				A
21	37546-14600			HOSE, RUBBER		1	1				
22	05317-50701		Q	CLAMP		2	2		-013267		
	05317-50701	1		CLAMP		1	1	013268-			
23	05317-02500	A		CLAMP		1	1	013268-			V

53-00-01 SEA WATER PUMP GENERAL

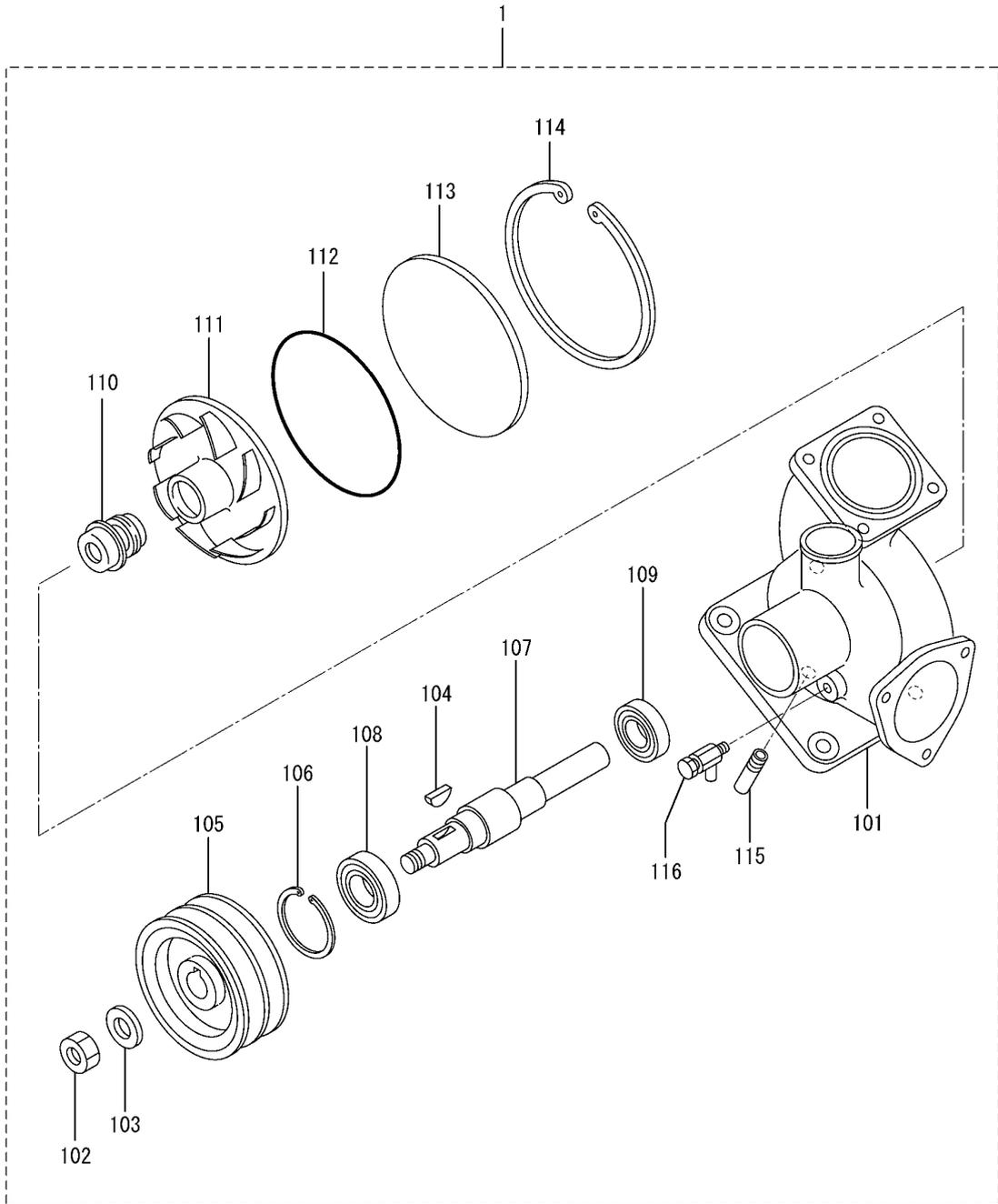


53-00-01 SEA WATER PUMP GENERAL

-105-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37795-04610		C	PUMP ASSY, WATER	2-WAY	1	1				
2	37753-00010	R 1		PUMP ASSY, WATER	2-WAY	1	1				V
3	37795-04620		D	PULLEY, WATER PUMP		1	1		-012933		
	F1035-14045		C	BOLT		4	4		-013264	A	
	F1035-14040	N 1		BOLT		4	4	013265-		A	V
4	F2515-14000			WASHER, SPRING		4	4			A	
5	37895-10620		C	BRACKET		1	1				
6	37753-01100	R 1		BRACKET		1	1				V
7	F1035-12035			BOLT		4	4			A	
	F2515-12000			WASHER, SPRING		4	4			A	
8	45R53-31400			BRACKET, TENSION		1	1				
9	45R53-31500			BEARING, BALL		2	2			A	
10	45815-43300			SPACER		1	1				
11	F3202-06200			RING, SNAP		1	1			A	
12	F3200-02500			RING, SNAP		1	1			A	
13	45568-42200			PULLEY, TENSION		1	1				
14	F1035-12035			BOLT		1	1			A	
15	F1035-12050			BOLT		1	1			A	
16	08302-12000			WASHER		1	1			A	
17	F2515-12000			WASHER, SPRING		2	2			A	
18	37895-10640		C	PLATE, TENSION		1	1				
19	37753-01200	R 1		PLATE, TENSION		1	1				V
20	05978-12175			BOLT		5	5			A	
21	F2515-12000			WASHER, SPRING		5	5			A	
	37895-10650		C	BRACKET, TENSION		1	1				
22	37753-01300	R 1		BRACKET, TENSION		1	1				V
23	05978-12095			BOLT		4	4			A	
24	F2515-12000		C	WASHER, SPRING		4	4		-013264	A	
	33311-01600	N 1		WASHER		4	4	013265-			V
	33448-13200			BOLT		1	1				
25	F2305-12000			NUT		1	1			A	
26	37895-10630		C	STAY		1	1				
27	37753-01400	R 1		STAY		1	1				V
	F1035-10030		C	BOLT		2	2		-013264	A	
	F1805-10030	N 1		BOLT, W/WASHER	B/W	2	2	013265-		A	V
28	F1035-10025		C	BOLT		1	1		-013264	A	
29	F1805-10025	N 1		BOLT, W/WASHER	B/W	1	1	013265-		A	V
30	F2515-10000		D	WASHER, SPRING		3	3		-013264	A	
31	F2500-10000			WASHER, PLAIN		3	3			A	
	37895-10660		C	V-BELT, RAW EDGE	L=1960 FOR 3000RPM	1	1				
32	37549-07760	R 1		V-BELT, RAW EDGE	L=1960	1	1				V
33	37895-10670		D	V-BELT, RAW EDGE	L=2000 FOR 2500RPM	1	1		-012933		
	47503-62920		A	PACKING		1	1	013265-		A	V

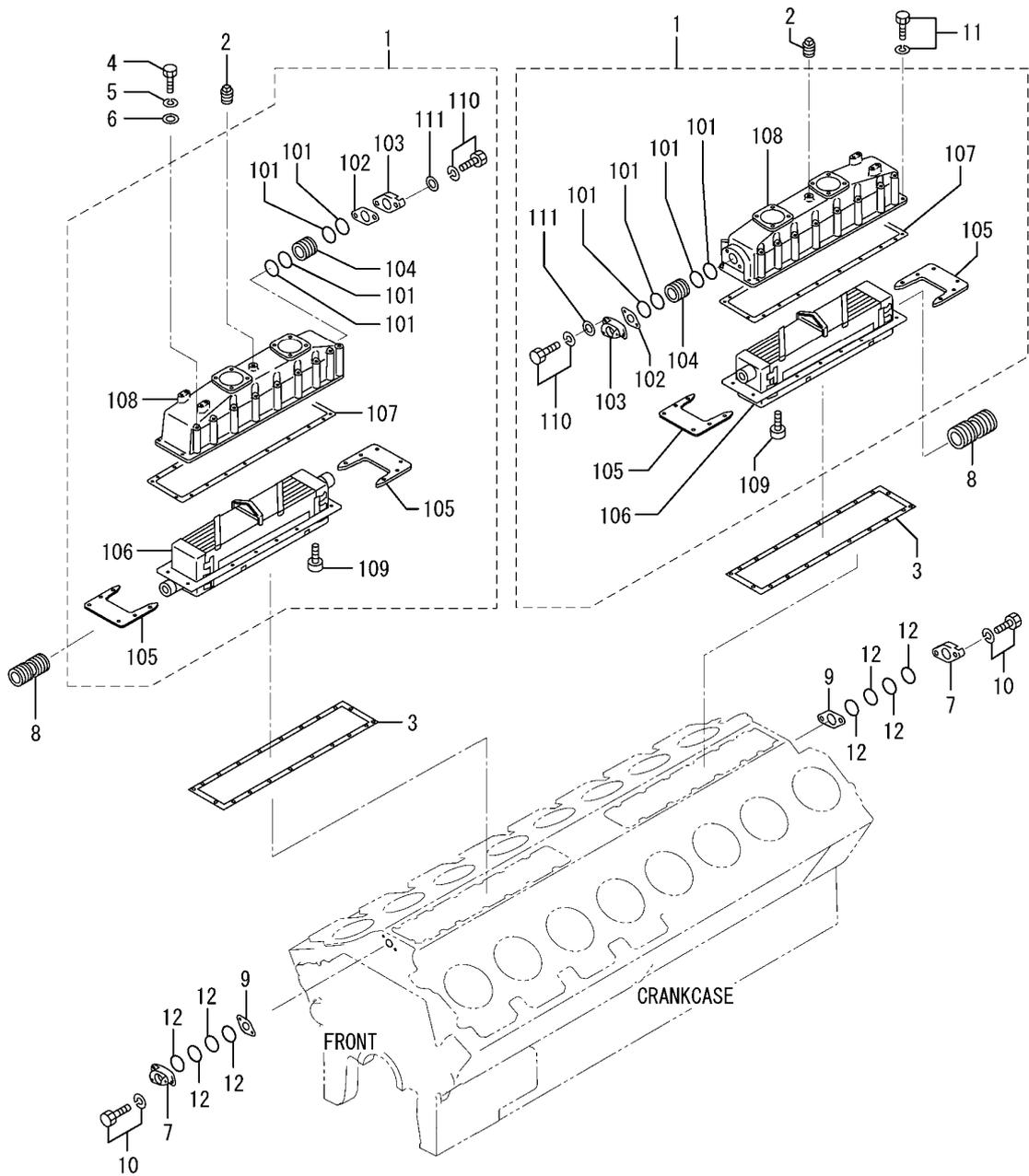
53-00-02 SEA WATER PUMP



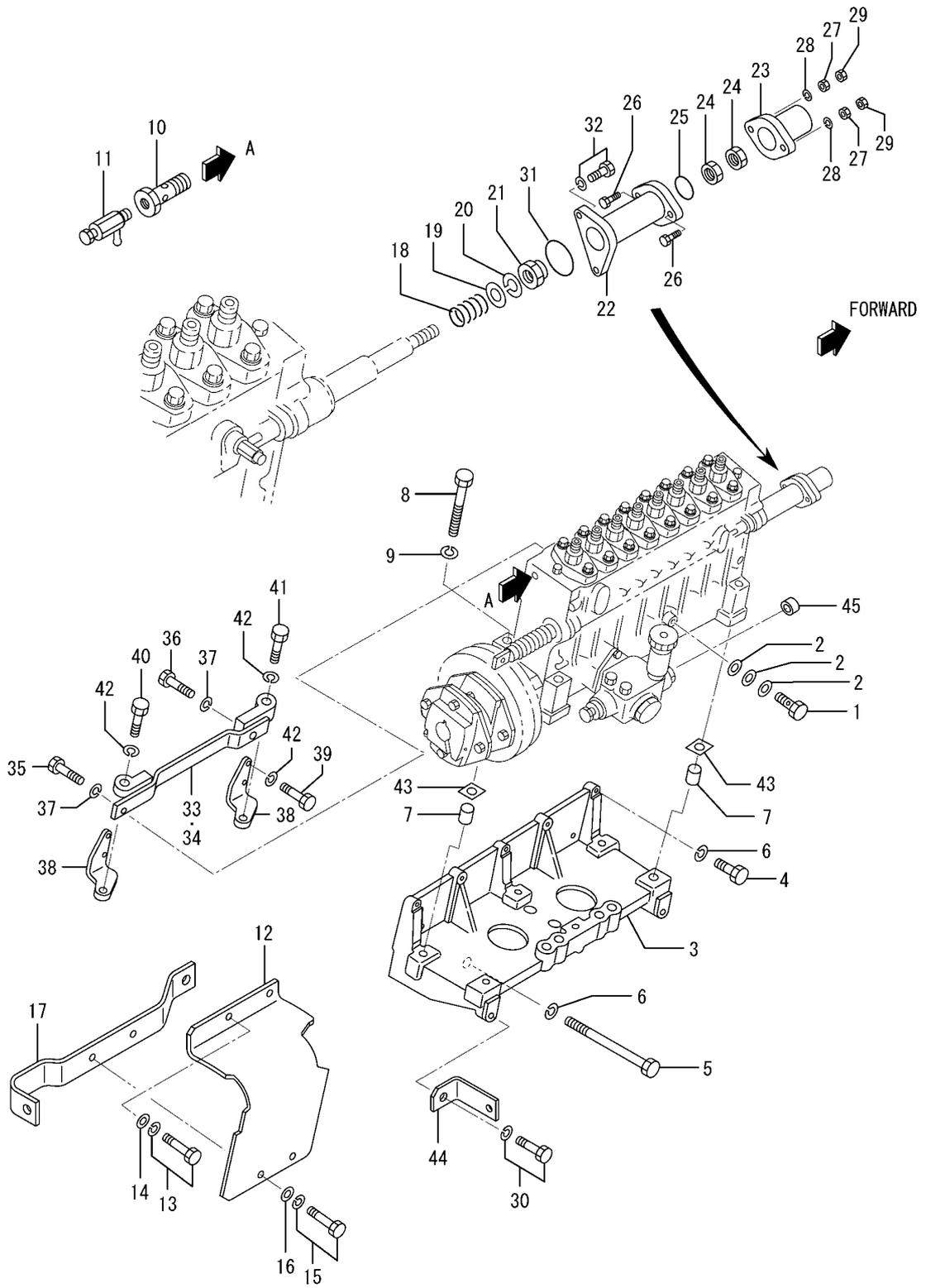
53-00-02 SEA WATER PUMP

-107-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37795-04610		C	PUMP ASSY, WATER	2-WAY	1	1				
1 01	37753-00010	R	1	PUMP ASSY, WATER	2-WAY	1	1				V
1 02	37753-00100			CASE, WATER PUMP		1	1				
1 03	F2325-20000			NUT		1	1				A
1 04	37414-01900			WASHER		1	1				
1 05	F2872-06022			KEY, WOODRUFF		1	1				
1 06	37795-04630		C	PULLEY, WATER PUMP		1	1				
1 07	37753-01500	N	1	PULLEY, WATER PUMP		1	1	012934-	-012933		V
1 08	F3202-07200			RING, SNAP		1	1				A
1 09	37795-04611		C	SHAFT, WATER PUMP		1	1				
1 10	37753-00200	R	1	SHAFT, WATER PUMP		1	1				V
1 11	37795-04612		C	BEARING		1	1				A
1 12	37753-00300	R	1	BEARING		1	1				A
1 13	37795-04613		C	BEARING		1	1				A
1 14	37753-00400	R	1	BEARING		1	1				A
1 15	37545-20600			SEAL, UNIT		1	1				A
1 16	37545-00500			IMPELLER, WATER PUMP		1	1				A
1 17	F3153-17000			O-RING		1	1				A
1 18	37545-00200			COVER, WATER PUMP		1	1				
1 19	37545-00300			RING, SNAP		1	1				A
1 20	37745-00900			PIPE		1	1				
1 21	32545-22900			COCK, WATER DRAIN		1	1				



61-00-01 INJ PUMP BRACKET



61-00-01 INJ PUMP BRACKET

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37136-09100			BOLT, EYE	2	2				A	
2	05946-01201			WASHER, SEALING	6	6				A	
3	37861-61100			BRACKET, INJ	2	2					
4	F1035-12050			BOLT	10	10				A	
5	F1035-12130			BOLT	8	8				A	
6	F2515-12000			WASHER, SPRING	18	18				A	
7	37561-01800			PIN, DOWEL	4	4				A	
8	F1035-12110			BOLT	12	12				A	
9	F2515-12000			WASHER, SPRING	12	12				A	
10	48230-05200			BOLT, EYE	2	2				A	
11	31262-51901			COCK, AIR VENT	2	2					
12	37761-61700			COVER, COUPLING	2	2					
13	F1805-12020			BOLT, W/WASHER	4	4				A	
14	F2500-12000			WASHER, PLAIN	4	4				A	
15	F1805-10025			BOLT, W/WASHER	4	4				A	
16	F2500-10000			WASHER, PLAIN	4	4				A	
17	37761-11800			STAY	2	2					
18	37561-11900			SPRING, RETURN	2	2				A	
19	F2500-10000			WASHER, PLAIN	2	2				A	
20	F2515-10000			WASHER, SPRING	2	2				A	
21	F2445-10000			NUT, SELF LOCKING	2	2				A	
22	37561-62800			CASE, SPRING	2	2					
23	37761-15600			CAP, RACK SET	2	2					
24	F2325-08000			NUT, JAM	4	4				A	
25	05507-10390			O-RING	2	2				A	
26	F1035-08045			BOLT	4	4				A	
27	37564-05200			NUT, TAMPER PROOF	4	4					
28	F2515-08000			WASHER, SPRING	4	4				A	
29	F2445-08000			NUT, SELF LOCKING	4	4				A	
30	F1805-12030			BOLT, W/WASHER	1	1				A	
31	05507-10360			O-RING	2	2				A	
32	F1805-08030			BOLT, W/WASHER	4	4				A	
33	37861-11501			STAY, INJ PUMP, R. H	1	1					
34	37861-11601			STAY, INJ PUMP, L. H	1	1					
35	F1035-14030			BOLT	3	3				A	
36	F1035-14040			BOLT	1	1				A	
37	F2515-14000			WASHER, SPRING	4	4				A	
38	37761-21601			STAY, INJ PUMP	4	4					
39	F1035-12030			BOLT	8	8				A	
40	F1035-12040			BOLT	3	3				A	
41	F1035-12050			BOLT	1	1				A	
42	F2515-12000			WASHER, SPRING	12	12				A	
43	37561-00500			SHIM	6	6					
44	37762-13100			STAY, PIPE	1	1					
45	37561-03700			SPACER	2	2					

61-00-02 INJECTION PUMP R.H

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REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	*			PUMP ASSY, INJ	1	1					
1 01	48A40-08004	1	1	PUMP ASSY, INJ	1	1					V
1 02	48A95-08000			BLOCK, TWIN PLUNGER	1	1					
1 03	48A43-00101			CASE, INJ PUMP	1	1					
1 04	48213-50200			CAMSHAFT	1	1					
1 05	48A32-10102			RACK	1	1					
1 06	48A11-08000			PLUNGER ASSY	8	8					
1 07	49168-18800			PIN, KNOCK	8	8					
1 08	48270-50010			VALVE ASSY, DELIVERY	8	8					
1 09	48A11-02100			PINION	8	8					
1 10	48202-35900			TAPPET	8	8					
1 11	48270-14101			HOLDER, VALVE	8	8					
1 12	48202-21201			SEAT, UPPER SPRING	8	8					
1 13	48202-21301			SEAT, LOWER SPRING	8	8					
1 14	48A15-01001			TAPPET ASSY, ROLLER	8	8					
1 15	48202-11700			SPRING, PLUNGER	8	8					A
1 16	48270-11800			SPRING, VALVE	8	8					A
1 17	48A16-00101			STOPPER	8	8					
1 18	48210-35601			COVER, FRONT	1	1					
1 19	48202-22201			COVER, REAR	1	1					
1 20	48202-02300			BEARING, CENTER	1	1					
1 21	48202-12400			O-RING	24	24					A
1 22	48202-32500			BUSHING, RACK	2	2					
1 23	48202-02600			BOLT, BARREL	8	8					
1 24	48202-07600			BOLT, BARREL	8	8					
1 25	48202-22800			WASHER, BARREL	16	16					
1 26	48202-02900			PIN	9	9					A
1 27	04826-21000			CAP, SEALING	9	9					
1 28	48202-05800			WIRE, SEAL	1	1					
1 29	48202-07700			SEAL	1	1					A
1 30	48202-54001			VALVE ASSY, CHECK	1	1					
1 31	48202-23500			BELLOWS	1	1					
1 32	48A13-01100			BOLT, DEFLECTOR	16	16					
1 33	MF140235			BOLT, FLANGE	2	2					A
1 34	48202-33900			SCREW, SET	1	1					
1 35	48202-14100			SHIM, CASE	4	4					
1 36	48202-14200			SHIM, CASE	1	1					
1 37	48202-14300			SHIM, CASE	1	1					
1 38	48202-14400			SHIM, CASE	2	2					
1 39	48250-04800			SHIM, BARREL	AR	AR					
1 40	48250-04900			SHIM, BARREL	AR	AR					
1 41	48250-04400			SHIM, BARREL	16	16					
1 42	48202-04500			SHIM, BARREL	1	1					
1 43	48202-04600			SHIM, BARREL	AR	AR					
1 44	48202-04700			SHIM, BARREL	AR	AR					
1 45	48202-05500			BOLT, EYE	2	2					A
1 46	48251-00100			FLYWHEEL	1	1					
1 47	48C17-03200			COUPLING	1	1					
1 48	48C17-11200	N	1	COUPLING	1	1		013268-	-013267		V
1 49	48251-10300			COUPLING, CROSS	1	1					

61-00-02 INJECTION PUMP R.H

-115-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1 48	48251-11400			PLATE, LAMINATE	14	14					
1 49	48251-20500			BUSHING	8	8					
1 50	48291-00301			HOLDER, PLUNGER	8	8					
1 51	48251-20400			WASHER, COUPLING	8	8					
1 52	F2500-06000			WASHER, PLAIN	2	2					A
1 53	*			PLATE, NAME	1	1					
1 54	04245-00120			PUMP, FEED	1	1					
1 55	00665-02048			RIVET, SCREW	2	2					
1 56	05946-00801			WASHER, SEALING	3	3					A
1 57	*			PLATE KIT, LAMINATE	1	1					
1 58	05946-01201			WASHER, SEALING	17	17					A
1 59	05946-01401			WASHER, SEALING	6	6					A
1 60	F1805-06012			BOLT, W/WASHER	2	2					A
1 61	F1035-14085			BOLT	1	1					A
1 62	48251-23018		C	COUPLING KIT	1	1			-013267		
1 63	48251-31018	N	1	COUPLING KIT	1	1		013268-			V
1 64	F1805-08025			BOLT, W/WASHER	8	8					A
1 66	F1825-06020			BOLT, W/WASHER	3	3					A
1 67	F2325-24000			NUT, JAM	1	1					A
1 68	48A17-08100			WASHER, SPRING	1	1					A
1 69	32507-01400			WASHER	1	1					A
1 70	F2870-07025			KEY, WOODRUFF	1	1					A
1 71	48202-07100			SEAL, OIL	1	1					A
1 72	05507-10080			O-RING	2	2					A
1 73	05507-20350			O-RING	1	1					A
1 74	05507-20800			O-RING	2	2					A
1 75	05507-20250			O-RING	8	8					A
1 76	48251-23000		C	COUPLING ASSY	1	1					A
1 77	48251-31000	N	1	COUPLING ASSY	1	1		013268-	-013267		V
1 78	F5000-12000			PLUG, DRAIN	1	1					A
1 79	F8143-32207			BEARING, TAPER ROLLER	2	2					A
1 80	48202-39100			REPAIR KIT	1	1					A
1 81	48A13-02200			POINTER	1	1					
1 82	48251-10700			NUT, FLANGE	2	2					
1 83	48251-00600			WASHER, COUPLING	2	2					
1 84	48251-00800			BOLT, SHORT	6	6					
1 85	48251-00900			BOLT, LONG	2	2					
1 86	05634-01200			NUT, SELF LOCKING	1	1					
1 87	48202-23201			SCREW	1	1					
1 88	05507-10060			O-RING	1	1					A
1 89	48202-03300			SPRING, VALVE	1	1					
1 90	F8000-08000			BALL, STEEL	1	1					
1 91	48202-53100			BODY, VALVE	1	1					
1 92	48202-08200			BAND	1	1					
1 93	48202-08300			BAND	1	1					
1 94	48202-15100			BOLT, EYE	1	1					A
1 95	48291-01300			CAP, HOLDER	8	8					
				SERVICE ONLY							

61-00-03 INJECTION PUMP L.H

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REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	*			PUMP ASSY, INJ	1	1					
1 01	48A30-08004	1	1	PUMP ASSY, INJ	1	1					V
1 02	48A95-08000			BLOCK, TWIN PLUNGER	1	1					
1 03	48A33-00101			CASE, INJ PUMP	1	1					
1 04	48213-50200			CAMSHAFT	1	1					
1 05	48A32-10102			RACK	1	1					
1 06	48A11-08000			PLUNGER ASSY	8	8					
1 07	49168-18800			PIN, KNOCK	8	8					
1 08	48270-50010			VALVE ASSY, DELIVERY	8	8					
1 09	48A11-02100			PINION	8	8					
1 10	48202-35900			TAPPET	8	8					
1 11	48270-14101			HOLDER, VALVE	8	8					
1 12	48202-21201			SEAT, UPPER SPRING	8	8					
1 13	48202-21301			SEAT, LOWER SPRING	8	8					
1 14	48A15-01001			TAPPET ASSY, ROLLER	8	8					
1 15	48202-11700			SPRING, PLUNGER	8	8					A
1 16	48270-11800			SPRING, VALVE	8	8					A
1 17	48A16-00101			STOPPER	8	8					
1 18	48210-35601			COVER, FRONT	1	1					
1 19	48202-22201			COVER, REAR	1	1					
1 20	48202-02300			BEARING, CENTER	1	1					
1 21	48202-12400			O-RING	24	24					A
1 22	48202-32500			BUSHING, RACK	2	2					
1 23	48202-02600			BOLT, BARREL	8	8					
1 24	48202-07600			BOLT, BARREL	8	8					
1 25	48202-22800			WASHER, BARREL	16	16					
1 26	48202-02900			PIN	9	9					A
1 27	04826-21000			CAP, SEALING	9	9					
1 28	48202-05800			WIRE, SEAL	1	1					
1 29	48202-07700			SEAL	1	1					A
1 30	48202-54001			VALVE ASSY, CHECK	1	1					
1 31	48202-23500			BELLOWS	1	1					
1 32	48A13-01100			BOLT, DEFLECTOR	16	16					
1 33	MF140235			BOLT, FLANGE	2	2					A
1 34	48202-33900			SCREW, SET	1	1					
1 35	48202-14100			SHIM, CASE	4	4					
1 36	48202-14200			SHIM, CASE	1	1					
1 37	48202-14300			SHIM, CASE	1	1					
1 38	48202-14400			SHIM, CASE	2	2					
1 39	48250-04800			SHIM, BARREL	AR	AR					
1 40	48250-04900			SHIM, BARREL	AR	AR					
1 41	48250-04400			SHIM, BARREL	16	16					
1 42	48202-04500			SHIM, BARREL	1	1					
1 43	48202-04800			SHIM, BARREL	AR	AR					
1 44	48202-04700			SHIM, BARREL	AR	AR					
1 45	48202-05500			BOLT, EYE	2	2					A
1 46	48251-00100			FLYWHEEL	1	1					
1 47	48C17-03200			COUPLING	1	1					
1 48	48C17-11200	N	1	COUPLING	1	1		013268-	-013267		V
1 49	48251-10300			COUPLING, CROSS	1	1					

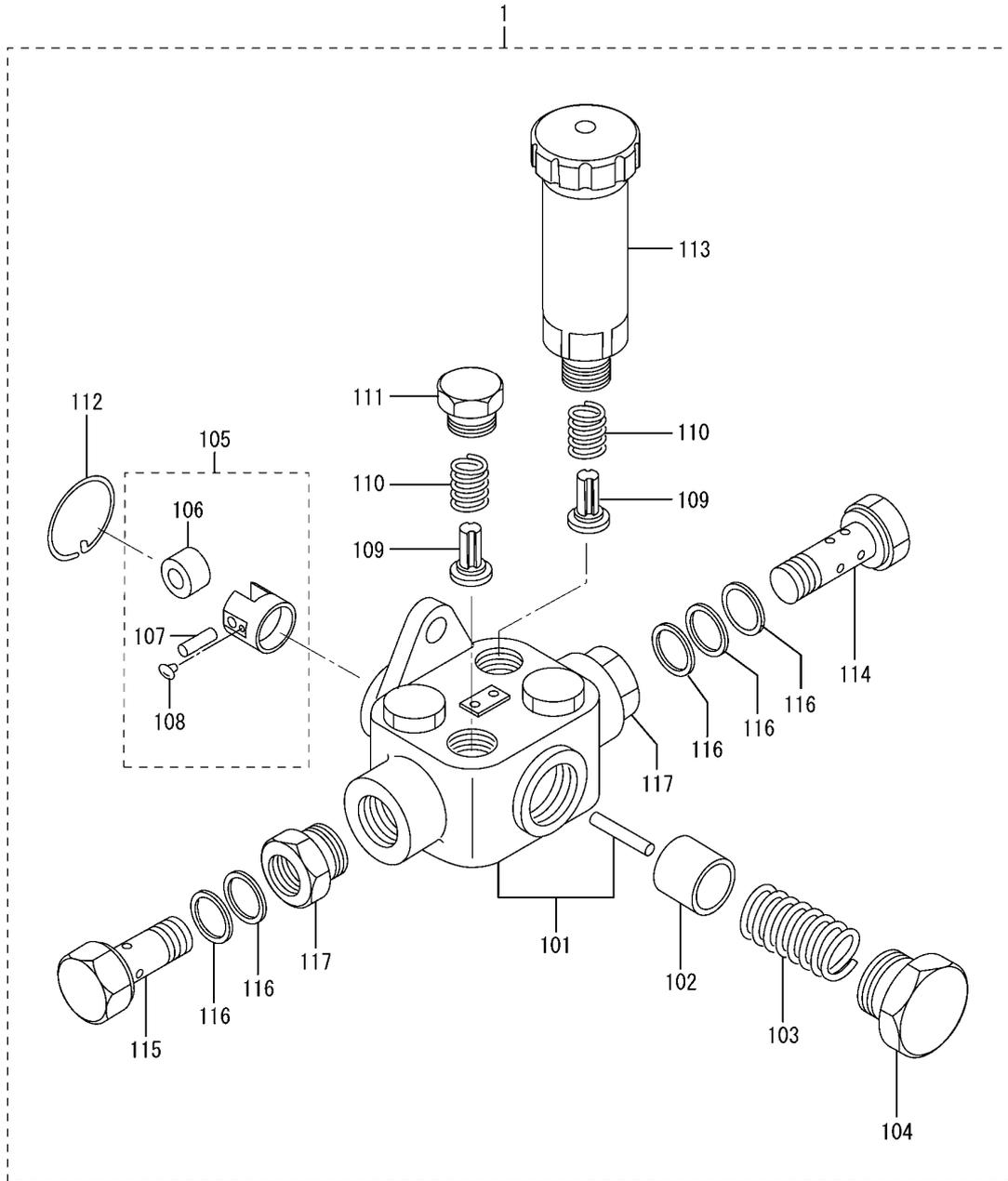
61-00-03 INJECTION PUMP L.H

-119-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1 48	48251-11400			PLATE, LAMINATE	14	14					
1 49	48251-20500			BUSHING	8	8					
1 50	48291-00301			HOLDER, PLUNGER	8	8					
1 51	48251-20400			WASHER, COUPLING	8	8					
1 52	F2500-06000			WASHER, PLAIN	2	2					A
1 53	*			PLATE, NAME	1	1					
1 54	04245-00120			PUMP, FEED	1	1					
1 55	00665-02048			RIVET, SCREW	2	2					
1 56	05946-00801			WASHER, SEALING	3	3					A
1 57	*			PLATE KIT, LAMINATE	1	1					
1 58	05946-01201			WASHER, SEALING	17	17					A
1 59	05946-01401			WASHER, SEALING	6	6					A
1 60	F1805-06012			BOLT, W/WASHER	2	2					A
1 61	F1035-14085			BOLT	1	1					A
1 62	48251-23018		C	COUPLING KIT	1	1			-013267		
1 63	48251-31018	N	1	COUPLING KIT	1	1		013268-			V
1 64	F1805-08025			BOLT, W/WASHER	8	8					A
1 66	F1825-06020			BOLT, W/WASHER	3	3					A
1 67	F2325-24000			NUT, JAM	1	1					A
1 68	48A17-08100			WASHER, SPRING	1	1					A
1 69	32507-01400			WASHER	1	1					A
1 70	F2870-07025			KEY, WOODRUFF	1	1					A
1 71	48202-07100			SEAL, OIL	1	1					A
1 72	05507-10080			O-RING	2	2					A
1 73	05507-20350			O-RING	1	1					A
1 74	05507-20800			O-RING	2	2					A
1 75	05507-20250			O-RING	8	8					A
1 76	48251-23010		C	COUPLING ASSY	1	1					
1 76	48251-31010	N	1	COUPLING ASSY	1	1		013268-	-013267		V
1 76	F5000-12000			PLUG, DRAIN	1	1					A
1 77	F8143-32207			BEARING, TAPER ROLLER	2	2					A
1 78	48202-39100			REPAIR KIT	1	1					A
1 79	48A13-02200			CONSISTS OF "#"	1	1					
1 80	48A13-02200			POINTER	1	1					
1 81	48251-10700			NUT, FLANGE	2	2					
1 81	48251-00600			WASHER, COUPLING	2	2					
1 82	48251-00800			BOLT, SHORT	6	6					
1 83	48251-00900			BOLT, LONG	2	2					
1 84	05634-01200			NUT, SELF LOCKING	1	1					
1 85	48202-23201			SCREW	1	1					
1 86	05507-10060			O-RING	1	1					A
1 87	48202-03300			SPRING, VALVE	1	1					
1 88	F8000-08000			BALL, STEEL	1	1					
1 89	48202-53100			BODY, VALVE	1	1					
1 90	48202-08200			BAND	1	1					
1 91	48202-08300			BAND	1	1					
1 92	48202-15100			BOLT, EYE	1	1					A
1 93	48291-01300			CAP, HOLDER	8	8					
				SERVICE ONLY							

61-00-04 FEED PUMP

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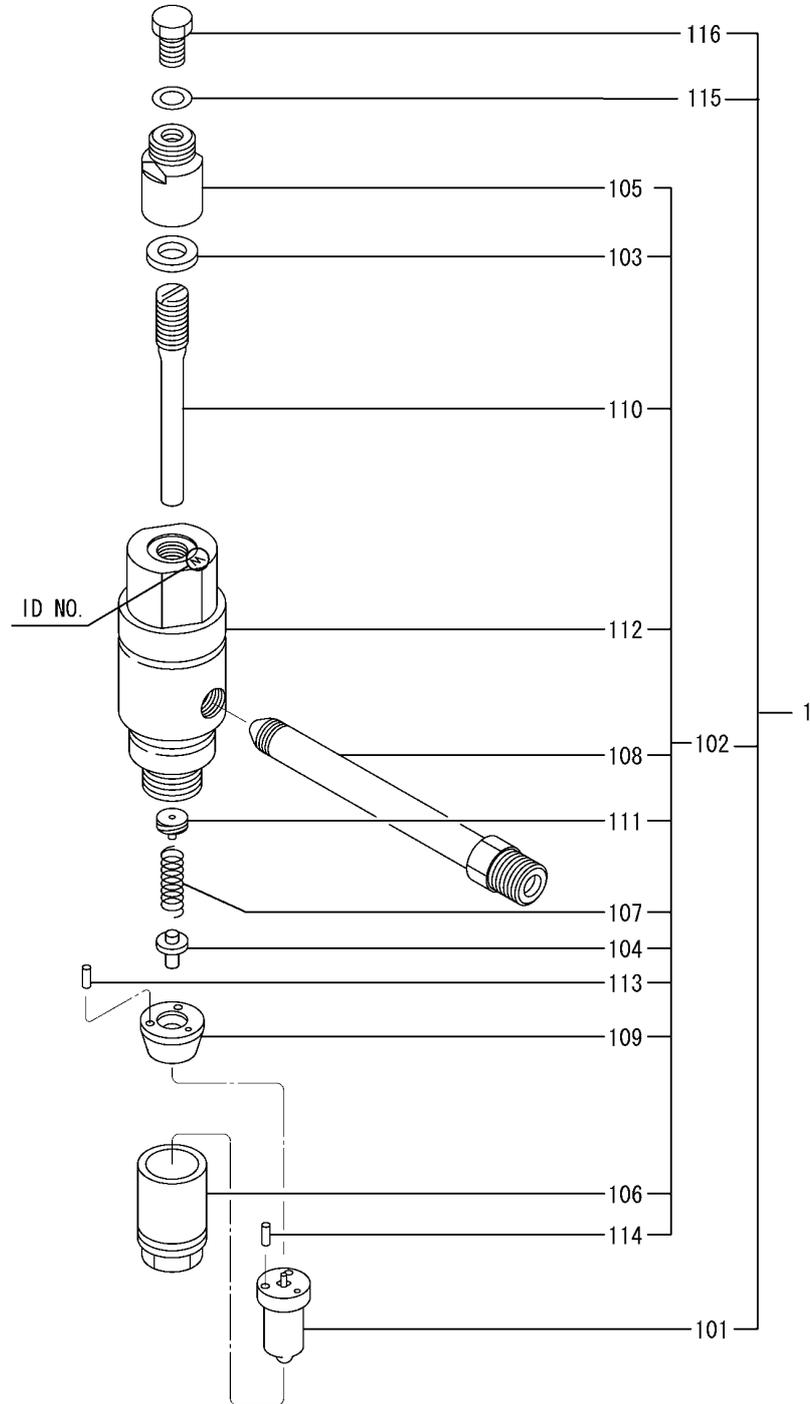


61-01 FUEL RACK CONTROL

-123-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37761-27100			SHAFT, CONTROL	1	1					
2	F2515-10000		C	WASHER, SPRING	1	1					
	34448-02100	N	1	WASHER	1	1		012934-	-012933	A	V
3	F2445-10000			NUT, SELF LOCKING	1	1				A	
4	37763-06200			SPACER	1	1				A	
5	37763-06400			NUT, LOCK	1	1					
6	F3200-01700			RING, SNAP	1	1				A	
7	37761-16200			PIPE, T/G CASE	1	1					
8	32663-06300			O-RING	2	2				A	
9	32663-16200			BEARING, BALL	2	2				A	
10	37461-00500			COVER, BEARING	2	2					
11	F1805-08016			BOLT, W/WASHER	4	4	B/W			A	
12	37761-18400			LEVER, R. H	1	1					
13	37761-57201		C	LEVER, L. H	1	1			-012933		
	37761-67200	G	1	LEVER, L. H	1	1		012934-			V
14	37761-09800		D	PIN, DOWEL	1	1			-012933	A	
15	91365-03200		C	SPACER	1	1			-012933		
	37432-06800	N	1	C SPACER	1	1		012934-			V
	37432-06801	R	2	SPACER	1	1		012934-			V
16	F8007-06201			BEARING, BALL	2	2				A	
17	F3202-03200			RING, SNAP	1	1				A	
18	32561-48600			SPRING	1	1				A	
19	F1115-08025		Q	BOLT, LOCKING WIRE	2	2			-012933	A	
	F1115-08025	1		BOLT, LOCKING WIRE	1	1		012934-		A	
20	F2515-08000		Q	WASHER, SPRING	2	2			-012933	A	
21	F2515-08000		1	WASHER, SPRING	1	1		012934-		A	
	35A61-38600		C	JOINT, BALL	3	3			-012933	A	
	35A61-38601	3	1	JOINT, BALL	3	3				A	V
22	37563-15400		C	JOINT, BALL	2	2			-012933		
	37563-15401	3	1	JOINT, BALL	2	2					V
23	37560-04800			NUT	1	1				A	
24	42061-21800			ROD	1	1					
25	09413-00800			NUT, LOCK	1	1				A	
26	37761-28700		C	L INK, R. H	1	1			-012933		
	37761-28701	3	1	L INK, R. H	1	1					V
27	37761-28800		C	L INK, L. H	1	1			-012933		
	37761-28801	3	1	L INK, L. H	1	1					V
28	F2515-08000			WASHER, SPRING	2	2				A	
29	F2320-08000			NUT, JAM	2	2				A	
30	35A61-19900		Q	WIRE, SEAL	4	4			-012933		
31	35A61-19900		1	WIRE, SEAL	3	3		012934-			
	48000-96600		Q	SEAL	4	4			-012933	A	
	48000-96600	1		SEAL	3	3		012934-		A	
32	51776-03000			GRIP	1	1					
33	45940-30101			PLATE, CAUTION	1	1					
34	F1805-08025			BOLT, W/WASHER	1	1	B/W			A	
35	37761-27500			BRACKET, LEVER	1	1	R. H				
36	37761-27600			BRACKET, LEVER	1	1	L. H				
37	37761-19300			BOLT, LEVER BRACKET	2	2					
38	F2515-14000			WASHER, SPRING	2	2				A	

61-02-01 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.29MM)

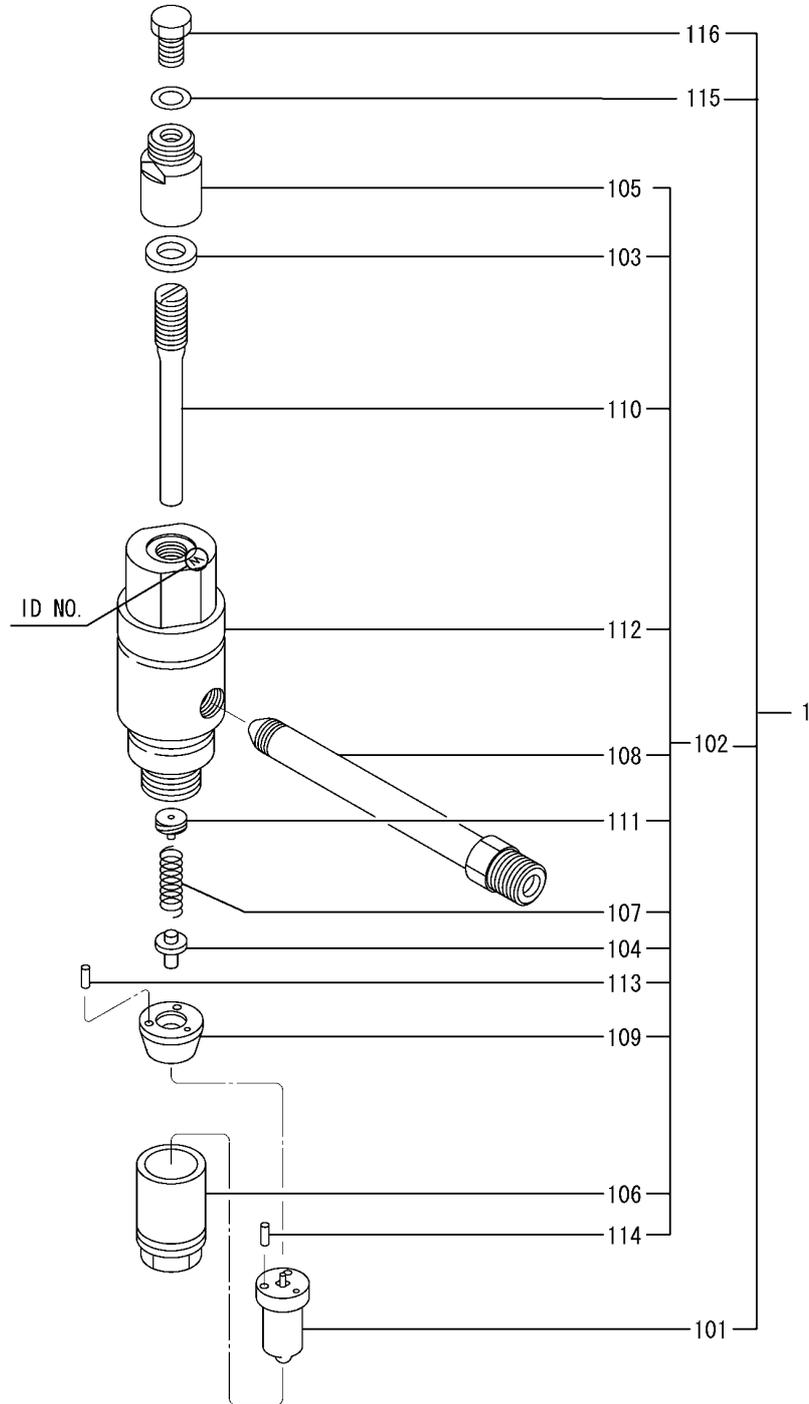


The nozzle holder has stamped ID NO. on the body to identity the nozzle specification.

61-02-02 INJ PIPE NOZZLE

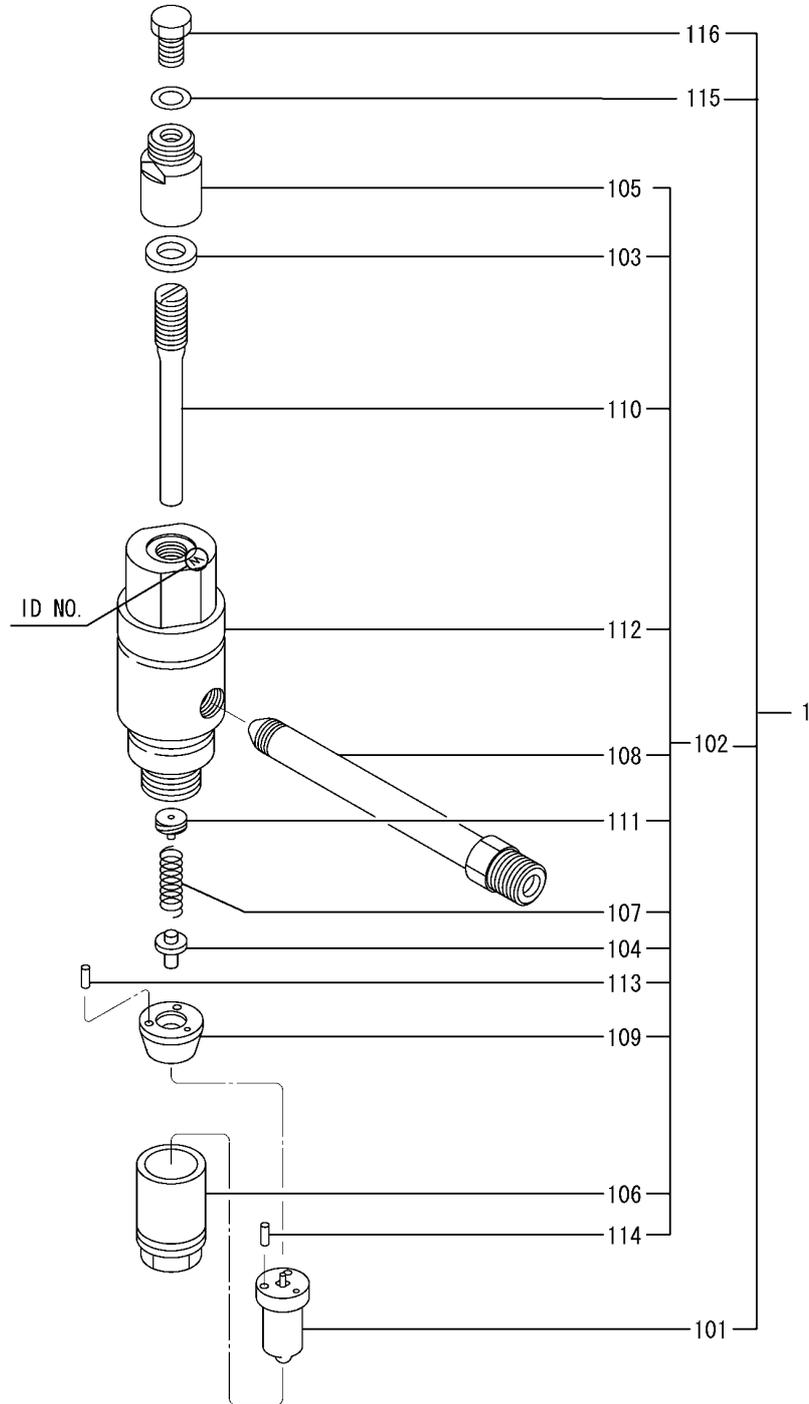
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37561-01602			GLAND, NOZZLE	16	16					
2	F2305-14000			NUT	16	16				A	
3	33561-14500			WASHER	16	16					
4	05507-10420			O-RING	16	16				A	
5	37561-16800			GASKET, NOZZLE	16	16				A	
6	05507-10340			O-RING	16	16				A	
7	05507-10260			O-RING	16	16				A	
8	37561-23500			COVER	32	32					
9	37561-13600			HOLDER	32	32					
10	37860-02100			PIPE, INJ NO. 1	1	1					
11	37860-02200			PIPE, INJ NO. 2	1	1					
12	37860-02300			PIPE, INJ NO. 3	1	1					
13	37860-02400			PIPE, INJ NO. 4	1	1					
14	37860-02500			PIPE, INJ NO. 5	1	1					
15	37860-02600			PIPE, INJ NO. 6	1	1					
16	37860-02700			PIPE, INJ NO. 7	1	1					
17	37860-02800			PIPE, INJ NO. 8	1	1					
18	37860-03100			PIPE, INJ NO. 9	1	1					
19	37860-03200			PIPE, INJ NO. 10	1	1					
20	37860-03300			PIPE, INJ NO. 11	1	1					
21	37860-03400			PIPE, INJ NO. 12	1	1					
22	37860-03500			PIPE, INJ NO. 13	1	1					
23	37860-03600			PIPE, INJ NO. 14	1	1					
24	37860-03700			PIPE, INJ NO. 15	1	1					
25	37860-03800			PIPE, INJ NO. 16	1	1					
26	37861-01800			CLAMP	2	2					
27	37861-02900			CLAMP	2	2					
28	F1035-08030			BOLT	18	18				A	
29	F2515-08000			WASHER, SPRING	18	18				A	
30	37561-08800			BUSHING	16	16					
31	05318-00300			BAND, CLIP	16	16					
32	37562-13300			SEAT, PIPE	29	29					
33	37562-13400			SEAT, PIPE	19	19					
34	37562-13100			SEAT, PIPE	29	29					
35	37562-15900			PLATE, CLAMP	29	29					
36	F1805-10055			BOLT, W/WASHER	6	6				A	
37	F1035-10080			BOLT	22	22				A	
38	F2515-10000			WASHER, SPRING	52	52				A	
39	F1035-10065			BOLT	14	14				A	
40	F1035-10090			BOLT	16	16				A	
41	37761-03601			PLATE, CLAMP	13	13					
42	37761-03701			PLATE, CLAMP	2	2					
43	37761-09900			STAY, INJ. PIPE	1	1					
44	F1805-10030			BOLT, W/WASHER	2	2				A	
45	37562-13100			CLAMP, PIPE	20	20					
46	37562-13400			SEAT, PIPE	5	5					
47	F1035-10045			BOLT	10	10				A	
48	F1035-10070			BOLT	10	10				A	
49	37562-15900			PLATE, CLAMP	20	20				A	
50	F2515-10000			WASHER, SPRING	20	20				A	

61-02-03 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.27MM)



The nozzle holder has stamped ID NO. on the body to identity the nozzle specification.

61-02-04 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.27MM)

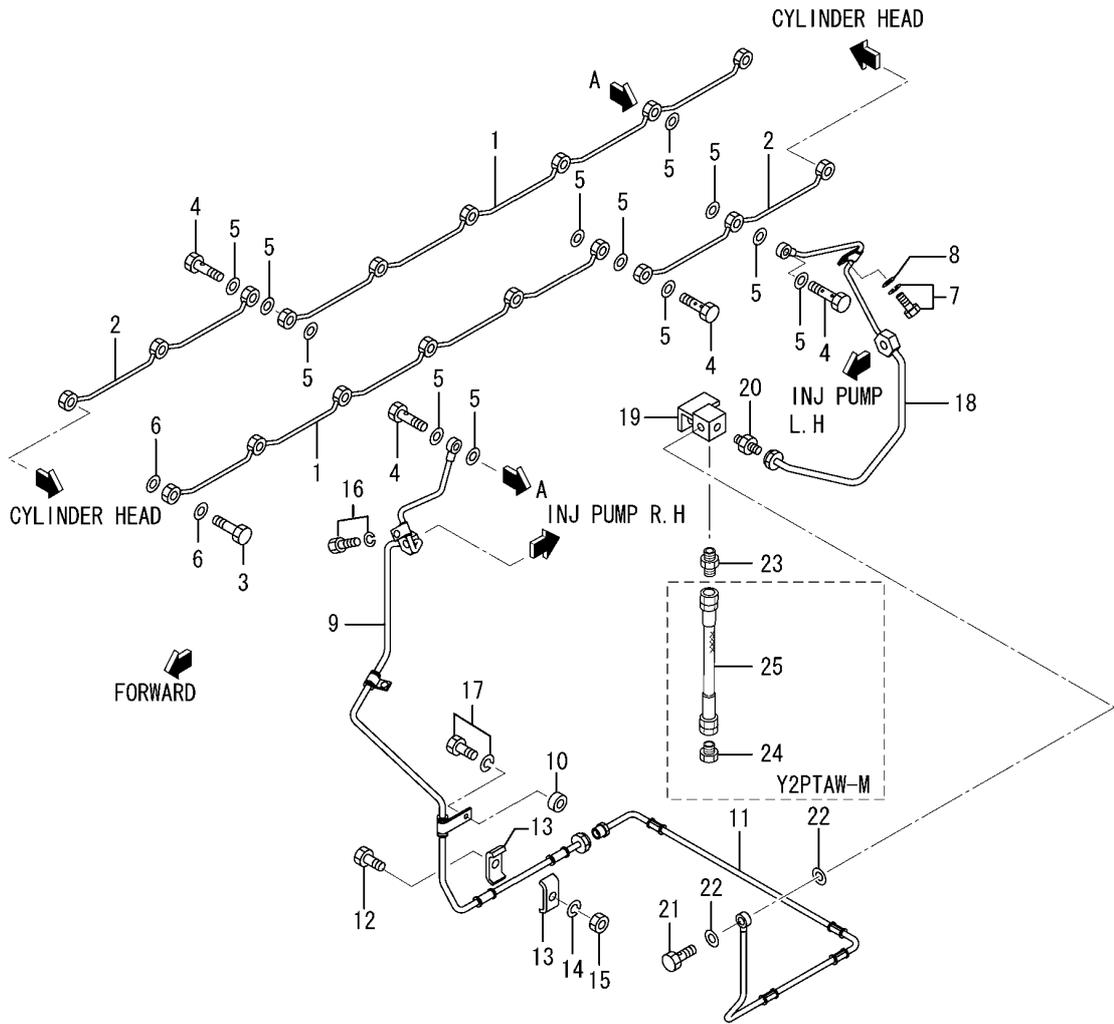


The nozzle holder has stamped ID NO. on the body to identity the nozzle specification.

61-02-04 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.27MM)

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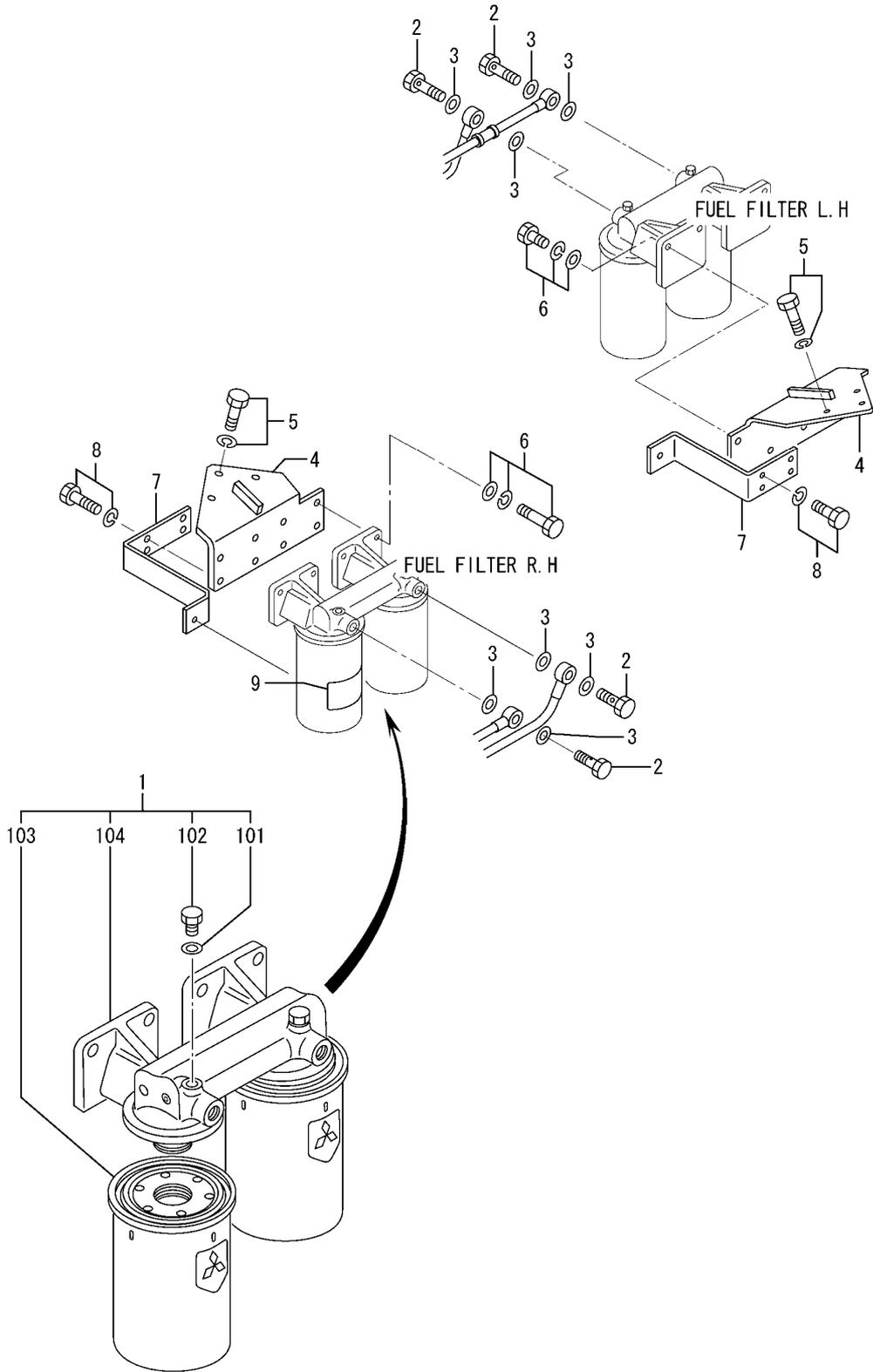
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37860-07000			A NOZZLE ASSY	16	16		013268-		A	V
1 01	37560-08500			A TIP ASSY, NOZZLE	16	16		013268-		A	V
1 02	37560-37010			A HOLDER ASSY, NOZZLE	16	16		013268-			V
1 03	05946-01401			A WASHER, SEALING	16	16		013268-		A	V
1 04	37561-13300			A ROD, PUSH	16	16		013268-			V
1 05	37561-16600			A NUT, CAP	16	16		013268-			V
1 06	37561-26300			A NUT, RETAINING	16	16		013268-			V
1 07	37561-26400			A SPRING, NOZZLE	16	16		013268-			V
1 08	37561-56700			A CONNECTOR, INLET	16	16		013268-			V
1 09	37561-67013			A SPACER, NOZZLE	16	16		013268-			V
1 10	37561-46500			A SCREW, ADJUSTING	16	16		013268-		A	V
1 11	37561-09300			A SEAT, SPRING	16	16		013268-			V
1 12	37561-86100			A BODY, NOZZLE HOLDER	16	16		013268-			V
1 13	F8001-30014			A BEARING, ROLLER	32	32		013268-		A	V
1 14	F8001-40014			A BEARING, ROLLER	32	32		013268-		A	V
1 15	05946-01001			A WASHER, SEALING	16	16		013268-		A	V
1 16	33407-03900			A SCREW, SET	16	16		013268-			V



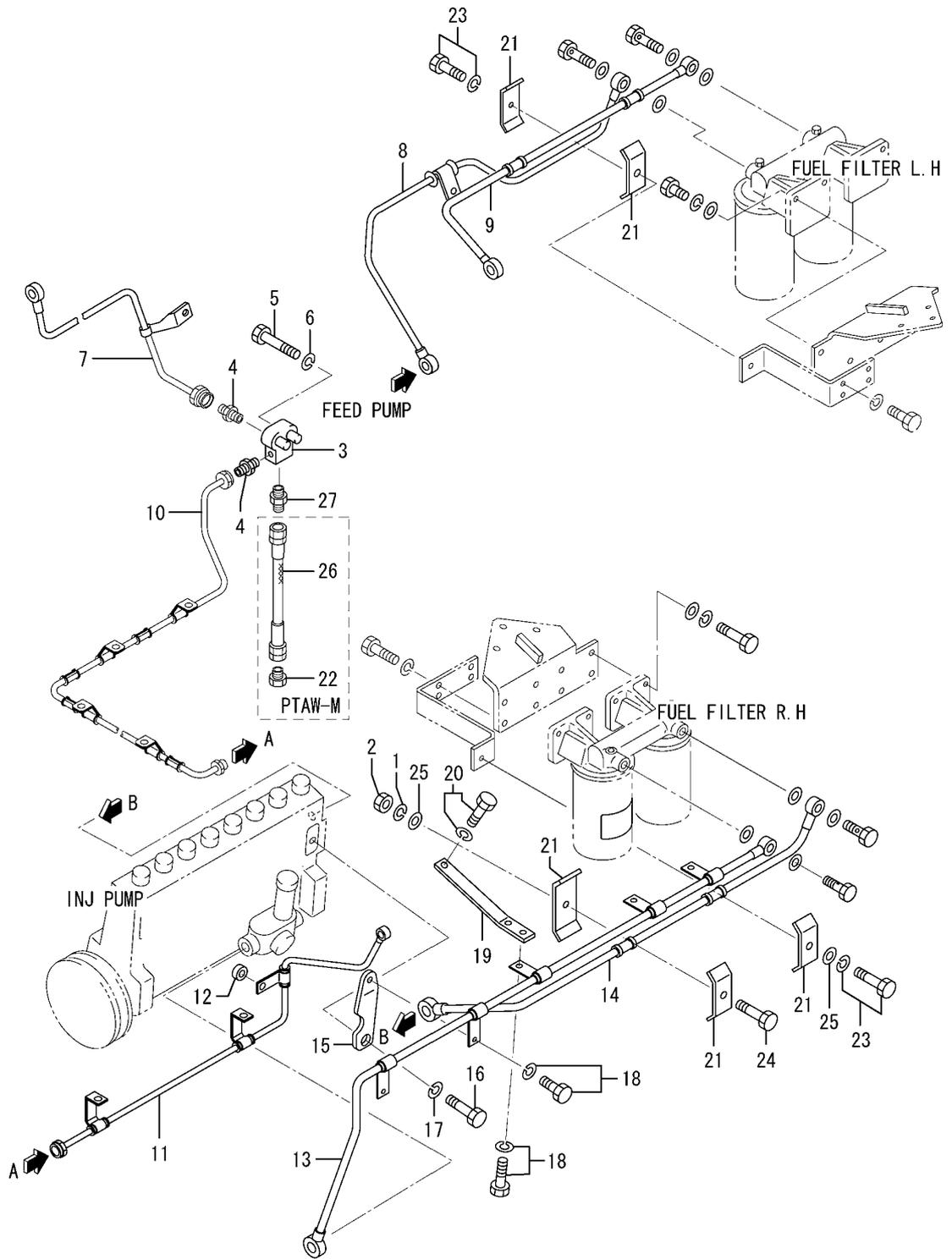
61-03 LEAK OFF PIPE

-137-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37761-04100			PIPE, FUEL LEAK-OFF	2	2					
2	37861-04200			PIPE, FUEL LEAK-OFF	2	2					
3	32536-09400			BOLT, EYE	12	12					
4	34A36-26100		C	BOLT, EYE	4	4					A
	34A36-36100	3	1	BOLT, EYE	4	4			-012933		A V
5	*		C	WASHER, SEALING	12	12					
	05946-01001	1	1	WASHER, SEALING	12	12					A
6	05946-01001			WASHER, SEALING	24	24					A
7	F1805-10016			BOLT, W/WASHER	2	2					A
8	F2500-10000			WASHER, PLAIN	2	2					A
9	37762-52501			PIPE, FUEL	1	1					
10	37736-01500			SPACER	1	1					
11	37762-32600			PIPE, LEAK	1	1					
12	F1035-10040			BOLT	6	6					A
13	35B62-07100			CLAMP	12	12					A
14	F2515-10000			WASHER, SPRING	6	6					A
15	F2300-10000			NUT, LOCK	6	6					A
16	F1805-12020			BOLT, W/WASHER	1	1					A
17	F1805-12025			BOLT, W/WASHER	2	2					A
18	37762-22800			PIPE, FUEL	1	1					
19	37762-02900			CONNECTOR, LEAK	1	1					
20	F4540-10000			CONNECTOR	1	1					
21	F4610-14000			BOLT, EYE	1	1					A
22	05946-01401			WASHER, SEALING	2	2					A
23	F4540-20000			CONNECTOR	1	1					
24	00428-20030			CONNECTOR	·	1					
25	45950-51700			PIPE, FLEXIBLE	·	1					



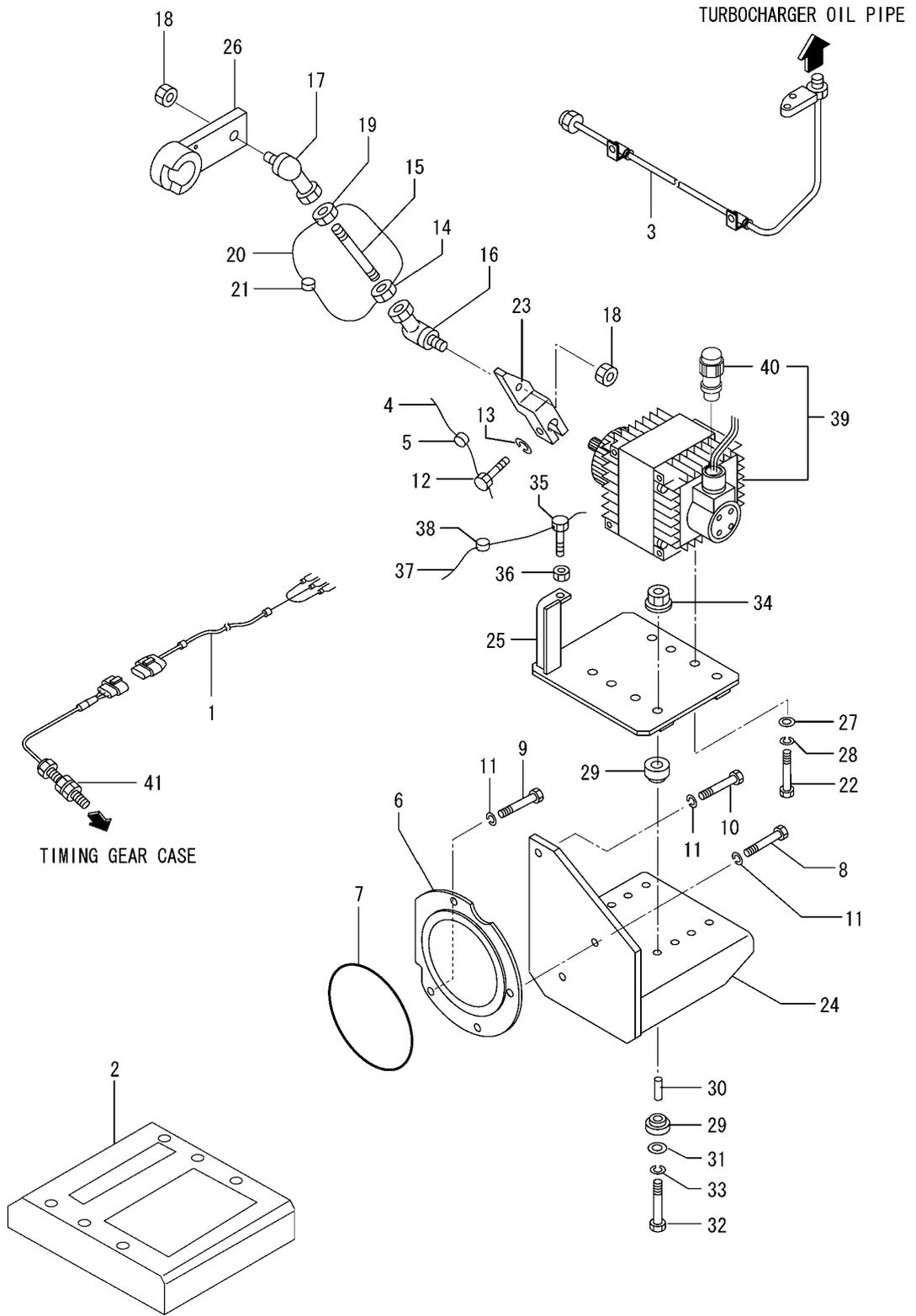
62-01 FUEL FILTER PIPING



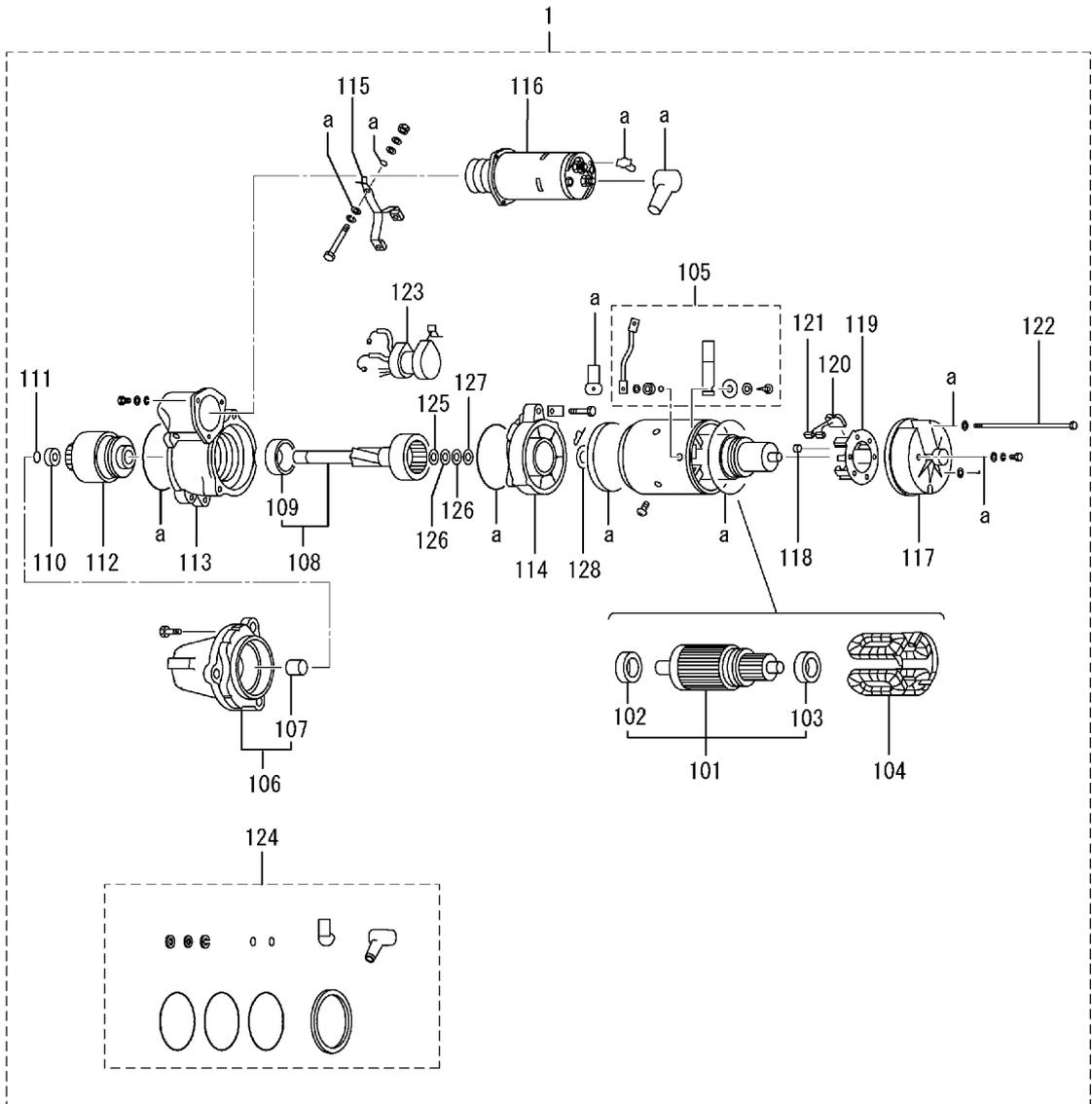
62-01 FUEL FILTER PIPING

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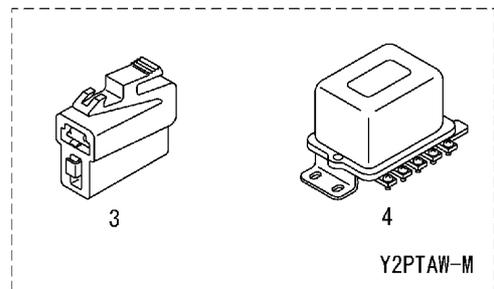
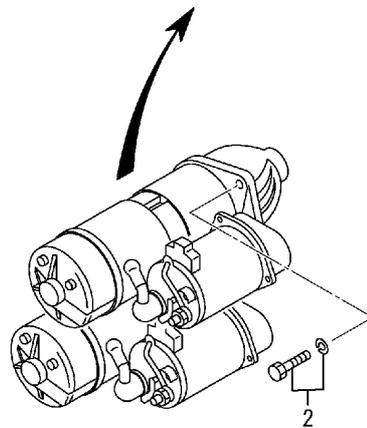
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	F2515-10000			WASHER, SPRING	2	2				A	
2	F2300-10000			NUT	2	2					
3	37762-00501			CONNECTOR	1	1					
4	F4540-10000			CONNECTOR	2	2					
5	F1035-12090			BOLT	2	2				A	
6	F2515-12000			WASHER, SPRING	2	2				A	
7	37862-31100			PIPE, FUEL	1	1					
8	37862-51200			PIPE, FUEL, L. H	1	1					
9	37862-31300			PIPE, FUEL, L. H	1	1					
10	37762-61400			PIPE, FUEL	1	1					
11	37862-41500			PIPE, FUEL	1	1					
12	37736-01500			SPACER	1	1					
13	37862-41600			PIPE, FUEL, R. H	1	1					
14	37862-31700			PIPE, FUEL, R. H	1	1					
15	37762-32100			STAY, PIPE	3	3					
16	F1035-14025			BOLT	3	3				A	
17	F2515-14000			WASHER, SPRING	3	3				A	
18	F1805-10016			BOLT, W/WASHER	4	4				A	B/W
19	37862-14200			STAY, FUEL PIPE	1	1					
20	F1805-12025			BOLT, W/WASHER	1	1				A	B/W
21	37261-01700			CLAMP	8	8				A	
22	00428-20030			CONNECTOR	1	1					
23	F1805-10030			BOLT, W/WASHER	2	2				A	B/W
24	F1035-10035			BOLT	2	2				A	
25	F2500-10000			WASHER, PLAIN	6	6				A	
26	45950-51700			PIPE, FLEXIBLE	1	1					
27	F4540-20000			CONNECTOR	1	1					



REF. -NO.	PART NO.	R / P	S C E N E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	04410-43500			CABLE, PICK-UP	1	1					
2	35A63-07800		C	CONTROLLER, PROACT	1	1					
3	37563-00400	N	1	CONTROLLER, PROACT	1	1		012934-	-012933		V
4	37836-15302			PIPE, OIL	1	1					
5	35A61-19900			WIRE, SEAL	1	1					
6	48000-96600			SEAL	1	1					
7	47500-39900			COVER	1	1					
8	05507-21450			O-RING	1	1					A
9	F1035-12035			BOLT	1	1					A
10	F1035-12025			BOLT	1	1					A
11	F1035-12040			BOLT	2	2					A
12	F2515-12000			WASHER, SPRING	4	4					A
13	F1115-08025			BOLT, LOCKING WIRE	1	1					A
14	F2515-08000			WASHER, SPRING	1	1					A
15	37560-04800			NUT, LOCK	1	1					
16	05902-08080			ROD	1	1					
17	35A61-38600	C		JOINT, BALL	1	1			-012933		A
18	35A61-38601	3	1	JOINT, BALL	1	1					A
19	35A61-38700	C		JOINT, BALL	1	1			-012933		A
20	35A61-38701	3	1	JOINT, BALL	1	1					A
21	F2445-08000			NUT, SELF LOCKING	2	2					A
22	37560-04900			NUT, LOCK	1	1					A
23	35A61-19900			WIRE, SEAL	1	1					
24	48000-96600			SEAL	1	1					
25	37763-05500			BOLT	4	4					
26	37795-04020	C		LEVER, THROTTLE	1	1					
27	37763-06600	R	1	LEVER, THROTTLE	1	1					V
28	37763-15701			BRACKET, PROACT	1	1					
29	37795-05210	C		PLATE, PROACT	1	1					
30	37763-25800	R	1	PLATE, PROACT	1	1					V
31	37763-25900	C		LEVER, L. H	1	1			-012933		
32	37763-35900	N	1	LEVER, L. H	1	1		012934-			V
33	F2500-08000			WASHER, PLAIN	4	4					A
34	F2515-08000			WASHER, SPRING	4	4					A
35	08051-00200			MOUNT	8	8					
36	34A63-04500			SPACER	4	4					
37	91262-07700			WASHER	4	4					A
38	F1035-08065			BOLT	4	4					A
39	F2515-08000			WASHER, SPRING	4	4					A
40	37763-06400			NUT, LOCK	4	4					A
41	37561-18500			BOLT, LOCKING WIRE	1	1					A
42	37560-04800			NUT, LOCK	1	1					
43	35A61-19900			WIRE, SEAL	1	1					
44	48000-96600			SEAL	1	1					
45	35A63-01300			ACTUATOR, PROACT	1	1					
46	37863-01100			CAP, PROACT	1	1					
47	04410-43400			PICK-UP, MAGNETIC	1	1					



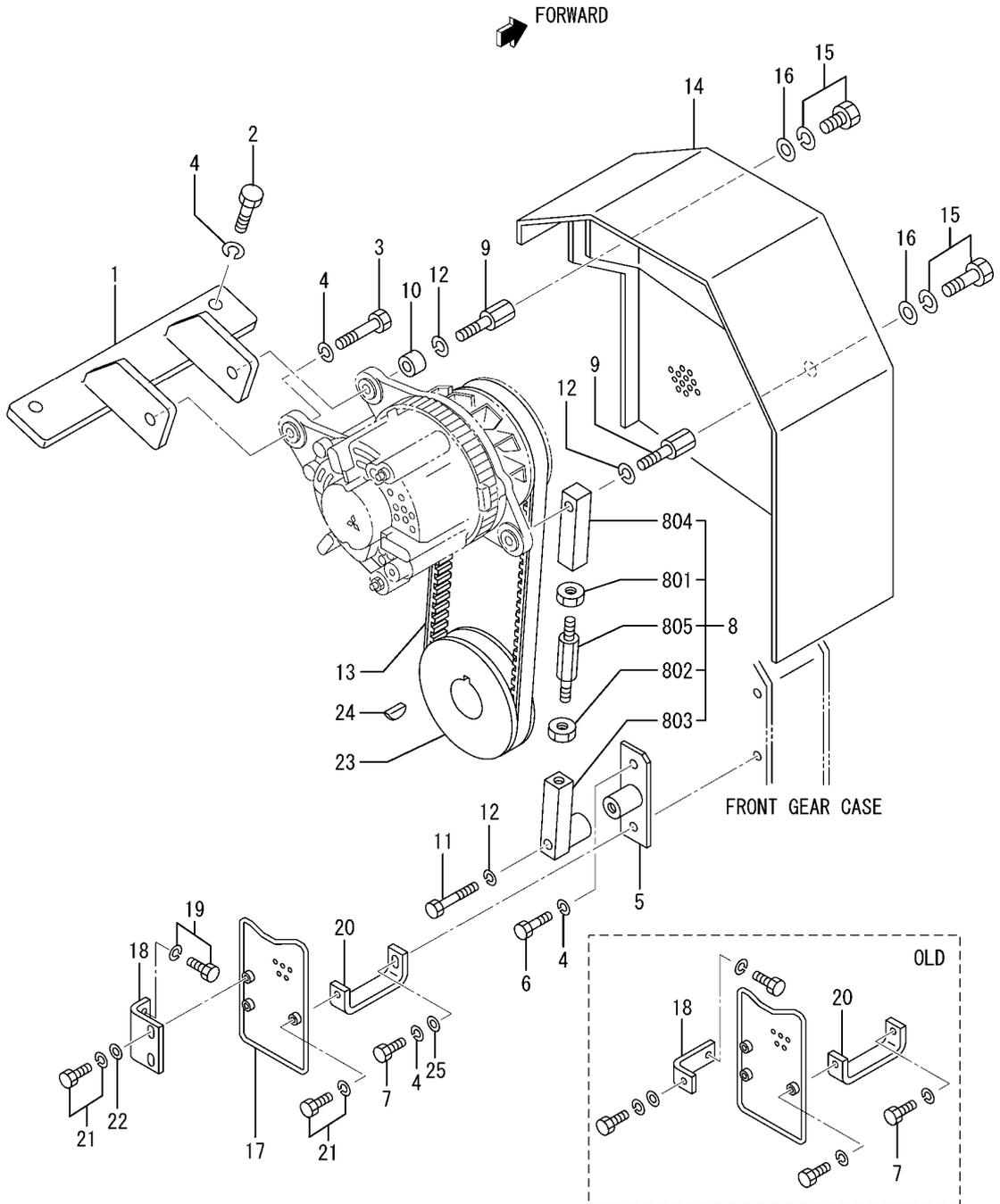
PARTS WITHOUT REF. NO. WILL NOT BE SUPPLIED.



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	37766-20200			STARTER ASSY	2	2					
1 01	02310-00231			ARMATURE ASSY	2	2					
1 02	10456-62047			BEARING, BALL	2	2				A	
1 03	10456-62007			BEARING, BALL	2	2				A	
1 04	37566-00224			COIL, FIELD	2	2					
1 05	72378-00070			TERMINAL	2	2					
1 06	02331-01340			BRACKET ASSY, FRONT	2	2					
1 07	72335-10080			METAL	2	2					
1 08	72312-00090			SHAFT ASSY	2	2					
1 09	10456-60067			BEARING, BALL	2	2				A	
1 10	37566-00126			STOPPER, PINION	2	2					
1 11	37566-00125			RING, CLIP	2	2					
1 12	02350-00690			CLUTCH ASSY, STOPPER	2	2					
1 13	37566-10312			BRACKET, CENTER	2	2					
1 14	37566-00222			BRACKET, CENTER	2	2					
1 15	72332-00120			LEVER, SHIFT	2	2					
1 16	37566-10511			SWITCH ASSY	2	2					
1 17	02371-10221			BRACKET ASSY, REAR	2	2					
1 18	12391-30040			SPRING, BRUSH	8	8				A	
1 19	02375-00050			HOLDER, BRUSH	2	2					
1 20	12374-00050			BRUSH	8	8				A	
1 21	12592-22800			PLATE	8	8					
1 22	37566-00217			BOLT	4	4				A	
1 23	37566-20113			RELAY, SAFETY	2	2					
1 24	70921-01460			SEAL ASSY	2	2					
1 25	12392-10130			WASHER	2	2				A	
1 26	12392-10140			WASHER	4	4				A	
1 27	12394-10040			WASHER, INSULATOR	2	2					
1 28	02392-10230			WASHER	4	4				A	
2	F1805-12035			BOLT, W/WASHER	6	6				A	
3	F8665-02100			CONNECTOR, 2-POLES	·	2				A	
4	04322-40100			RELAY, MAGNETIC	·	1				A	

68-00-01 ALTERNATOR GENERAL

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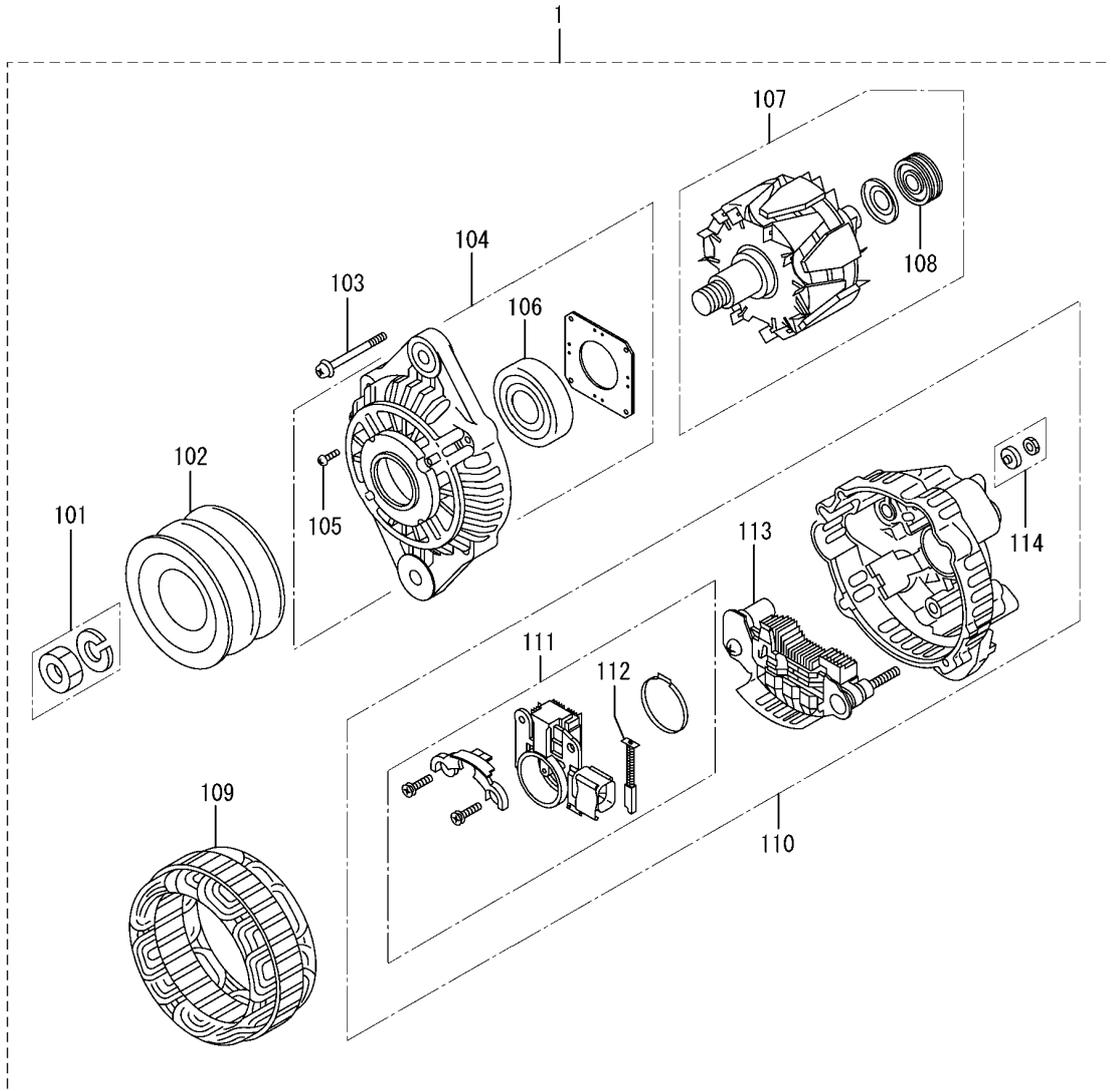


68-00-01 ALTERNATOR GENERAL

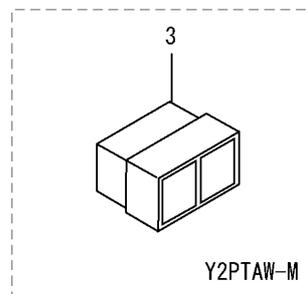
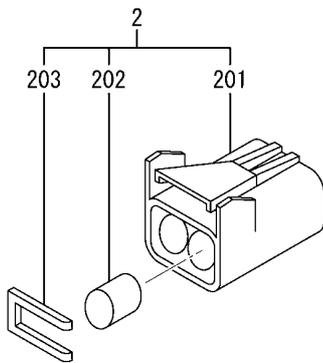
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REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO	
1	37768-22100			BRACKET, ALTERNATOR	1	1				
2	F1035-12030			BOLT	2	2				A
3	F1035-12035			BOLT	1	1				A
4	F2515-12000			WASHER, SPRING	5	5				A
5	37768-12200			BRACKET, ALTERNATOR	1	1				
6	F1035-12035			BOLT	1	1				A
7	F1035-12040		C	BOLT	1	1			-012902	A
8	F1035-12045	N	1	BOLT	1	1		012903-		A
8	*			ROD ASSY, ADJUSTING	1	1				V
8 01	F2320-14000			NUT, JAM	1	1				A
8 02	09413-01401			NUT, LOCK	1	1				A
8 03	37568-22200			ROD, ALTERNATOR	1	1				
8 04	37568-22300			ROD, ALTERNATOR	1	1				
8 05	37768-12300			ROD, ADJUSTING	1	1				
9	37768-28300			BOLT, ALTERNATOR	2	2				
10	37768-02400			SPACER, ALTERNATOR	1	1				
11	F1035-12075			BOLT	1	1				A
12	F2515-12000			WASHER, SPRING	3	3				A
13	37768-04200			V-BELT, ALTERNATOR	1	1				
14	37768-42500			COVER, ALTERNATOR	1	1				
15	F1805-10020			BOLT, W/WASHER	2	2				A
16	F2500-10000			WASHER, PLAIN	2	2				A
17	37768-12600			COVER, BELT	1	1				
18	37768-02700		C	STAY, COVER	2	2			-012902	
	37768-12700	G	1	STAY, COVER	1	1		012903-		V
19	F1805-12025			BOLT, W/WASHER	2	2				A
20	37768-02800		C	STAY, COVER	1	1			-012902	
	37768-12800	N	1	STAY, COVER	1	1		012903-		V
21	F1805-10020			BOLT, W/WASHER	3	3				A
22	F2500-10000			WASHER, PLAIN	2	2				A
23	37725-14101			PULLEY, ALTERNATOR	1	1				
24	F2870-10032			KEY, WOODRUFF	1	1				
25	F2500-12000	A		WASHER	1	1		012903-		A

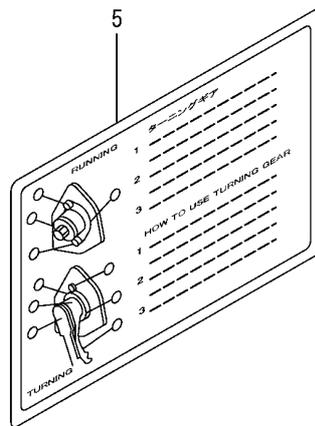
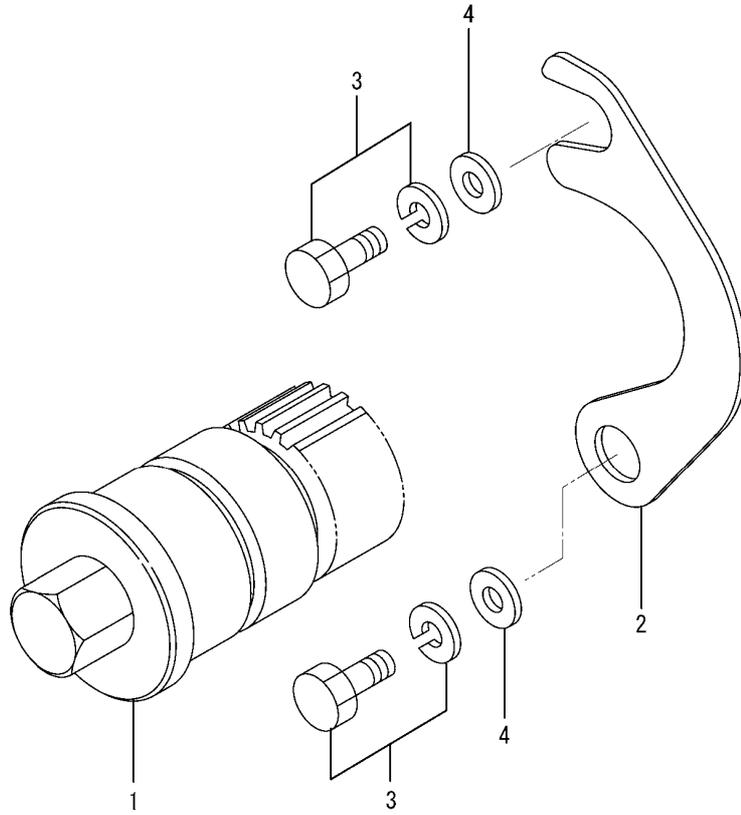
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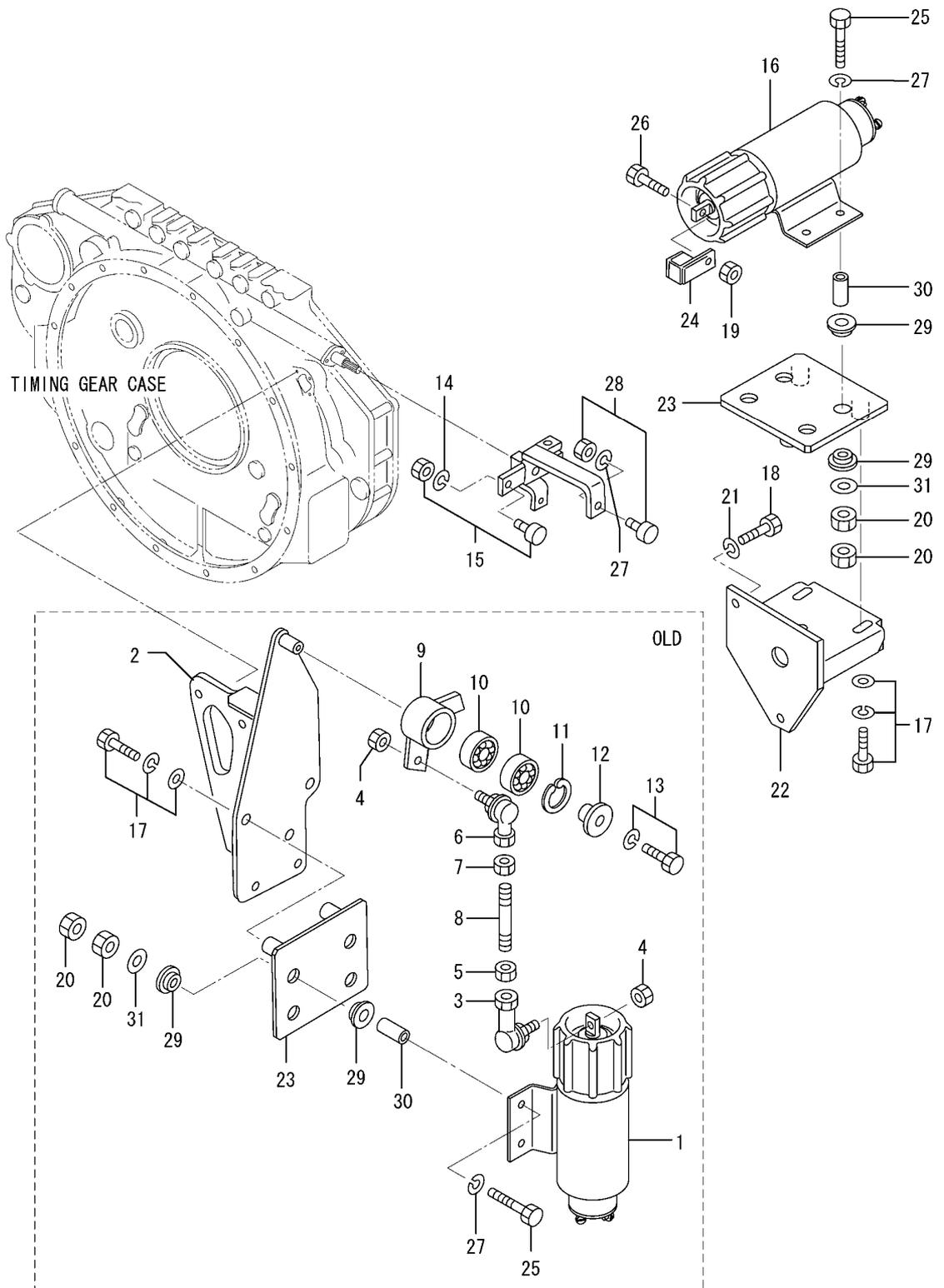
PARTS WITHOUT REF. NO. WILL NOT BE SUPPLIED.



TURNING GEAR

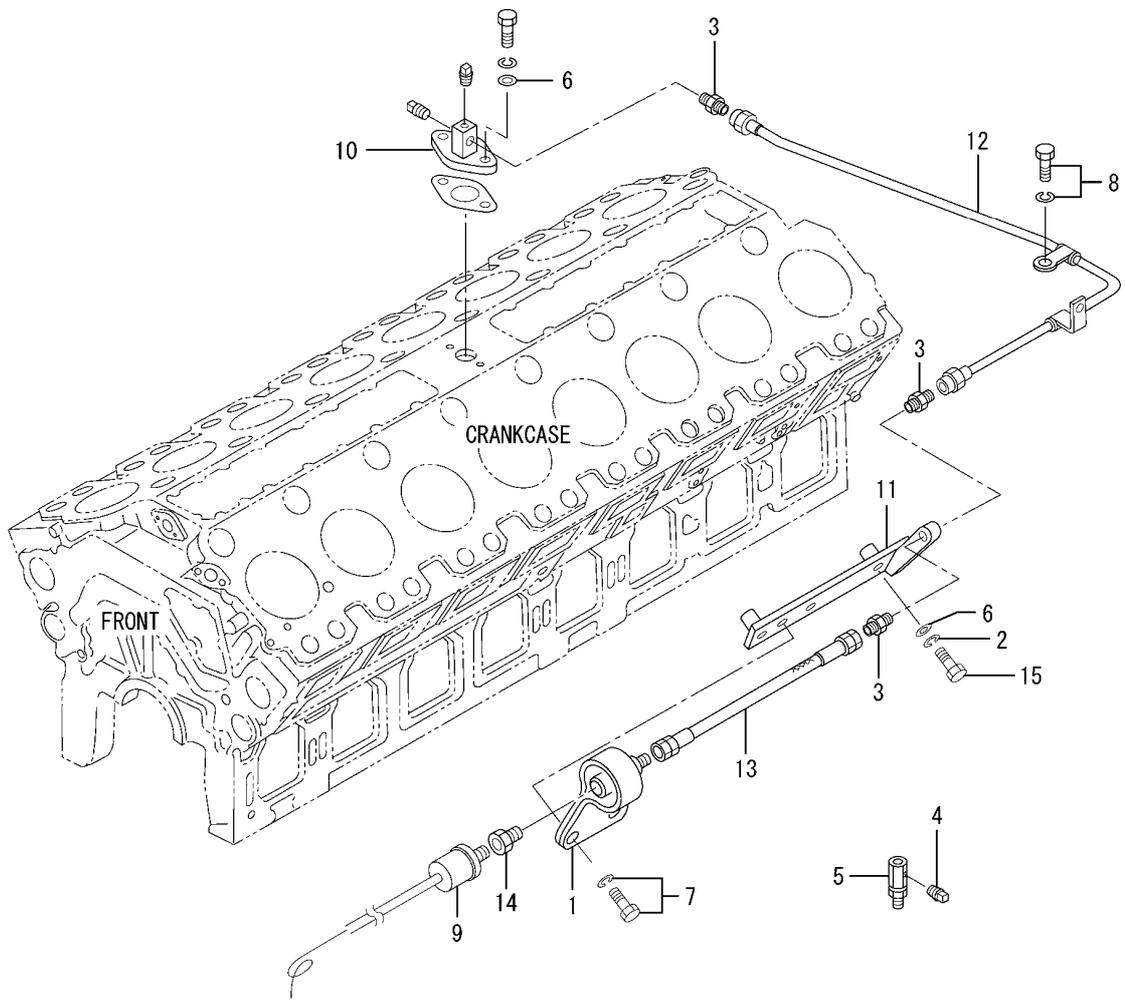


87-05 STOP SYSTEM



87-05 STOP SYSTEM

REF. -NO.	PART NO.	R / P	S E N G Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW-K	PTAW-M		FROM@-	-@UPTO		
1	04400-08900		D	SOLENOID, RUN-OFF	1	1			-013264		
2	37787-01500		D	BRACKET	1	1			-013264		
3	35A61-58300		C	JOINT, BALL	1	1			-012933		
4	35A61-58301	3	1	D	JOINT, BALL	1	1		-013264		V
	D			NUT, SELF LOCKING	2	2		-013264			
5	F2300-06000		D	NUT	1	1			-013264	A	
6	35A61-58400		C	JOINT, BALL	1	1			-012933		
7	35A61-58401	3	1	D	JOINT, BALL	1	1		-013264		V
	D			NUT, LOCK	1	1		-013264			
8	05902-06100		D	ROD	1	1			-013264		
9	37787-21201		D	LEVER, STOP	1	1			-013264		
10	F8007-06200		D	BEARING, BALL	2	2			-013264	A	
11	F3202-03000		D	RING, SNAP	1	1			-013264	A	
12	32561-18300		D	PLATE, END	1	1			-013264		
13	F1805-10040		D	BOLT, W/WASHER	1	1			-013264	A	
14	F2515-06000			WASHER, SPRING	1	1					A
15	45298-20800			FOLLOWER	1	1					
16	04400-09200			SOLENOID, RUN-ON	1	1					
17	F1825-10025	1	Q	BOLT, W/WASHER	B/W	6	6		-012933	A	
	F1825-10025			BOLT, W/WASHER	B/W	3	3	012934-		A	
18	F1035-12030			BOLT	2	2					A
19	05634-00610			NUT, SELF LOCKING	1	1					
20	F2300-06000	1	Q	NUT		16	16		-012933	A	
	F2300-06000			NUT		8	8	012934-		A	
21	F2515-12000			WASHER, SPRING	2	2					A
22	37787-03300			BRACKET	1	1					
23	47520-25800	1	Q	PLATE, SOLENOID		2	2		-012933		
	47520-25800			PLATE, SOLENOID		1	1	012934-			
24	45740-36500			ADAPTER	1	1					
25	F1035-06040		Q	BOLT	8	8			-012933	A	
26	F1035-06040	1		BOLT		4	4	012934-		A	
	F1035-06020			BOLT		1	1			A	
27	F2515-06000		Q	WASHER, SPRING	4	4		-012933	A		
28	F2515-06000	1		WASHER, SPRING		5	5	012934-		A	
	45298-20800			FOLLOWER		1	1				
29	47500-34100	1	Q	CUSHION, RUBBER		16	16		-012933		
	47500-34100			CUSHION, RUBBER		8	8	012934-			
30	47500-36700	1	Q	SPACER		8	8		-012933		
	47500-36700			SPACER		4	4	012934-			
31	08302-06000	1	Q	WASHER		8	8		-012933	A	
	08302-06000			WASHER		4	4	012934-		A	



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PART NO.	GRP NO.	PA	REF	PART NO.	GRP NO.	PA	REF	PART NO.	GRP NO.	PA	REF
		GE	NO.			GE	NO.			GE	NO.
A383X-51570	68-00-02	149	1 09	F1035-10100	40-00-03	81	6	F1035-12090	62-01	141	5
A414X-19271	68-00-02	149	1 03	F1035-12025	11	19	12	F1035-12100	25		37 15
A414X-19371	68-00-02	149	1 05	F1035-12025	11	19	14	F1035-12100	36-01		69 6
A529X-05571	68-00-02	149	1 14	F1035-12025	25	39	49	F1035-12100	40-00-01		77 5
A529X-06571	68-00-02	149	1 01	F1035-12025	39-00-02	75	8	F1035-12110	25		37 14
A629X-51770	68-00-02	149	1 02	F1035-12025	51-00-01	97	13	F1035-12110	46-01-02		93 3
A640X-58670	68-00-02	149	1 04	F1035-12025	63	143	9	F1035-12110	61-00-01	111	8
A642X-33570	68-00-02	149	1 10	F1035-12030	43	87	11	F1035-12120	51-00-02		99 3
A647X-50270	68-00-02	149	1 12	F1035-12030	51-00-01	97	13	F1035-12130	25		37 10
A860X-50670	68-00-02	149	1 13	F1035-12030	51-00-02	99	14	F1035-12130	25		37 10
A866X-28372	68-00-02	149	1 11	F1035-12030	51-00-02	99	19	F1035-12130	40-00-01		77 6
A880X-74970	68-00-02	149	1 07	F1035-12030	51-00-03	103	10	F1035-12130	61-00-01	111	5
F1035-06020	87-05	153	26	F1035-12030	51-00-03	103	13	F1035-14025	62-01		141 16
F1035-06040	87-05	153	25	F1035-12030	61-00-01	111	39	F1035-14030	61-00-01		111 35
F1035-06040	87-05	153	25	F1035-12030	68-00-01	147	2	F1035-14040	53-00-01		105 3
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F1805-10016	61-03	137 7	F1805-10060	51-00-02	101 37	F1825-10025	62	139 6
F1805-10016	62-01	141 18	F1805-10065	30	47 19	F1825-10025	87-05	153 17
F1805-10020	30	47 12	F1805-10085	51-00-03	103 19	F1825-10025	87-05	153 17
F1805-10020	32-03	57 35	F1805-12020	11	19 4	F1825-10030	43	87 8
F1805-10020	36	67 11	F1805-12020	43	87 4	F1825-10065	04	5 32
F1805-10020	42-05	85 3	F1805-12020	61-00-01	111 13	F1825-12025	07-01-01	13 24
F1805-10020	46-01-02	93 12	F1805-12020	61-03	137 16	F1825-12025	07-01-01	13 24
F1805-10020	51-00-02	99 32	F1805-12020	71	151 3	F1825-12025	07-01-01	13 24
F1805-10020	51-00-03	103 15	F1805-12025	07-01-01	13 20	F1825-12025	36	67 28
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F1805-10025	51-00-02	99 25	F1805-12030	25-01	41 10	F2300-10000	51-00-02	101 38
F1805-10025	51-00-02	101 36	F1805-12030	36	67 2	F2300-10000	51-00-02	101 38
F1805-10025	53-00-01	105 28	F1805-12030	46-01-02	93 7	F2300-10000	61-02-02	131 51
F1805-10025	61-00-01	111 15	F1805-12030	46-01-02	93 11	F2300-10000	61-03	137 15
F1805-10030	36	67 5	F1805-12030	48	95 5	F2300-10000	62-01	141 2
F1805-10030	46-01-01	91 16	F1805-12030	48	95 8	F2300-12000	25	37 44
F1805-10030	46-01-01	91 24	F1805-12030	51-00-02	99 14	F2300-12000	45	89 5
F1805-10030	46-01-02	93 32	F1805-12030	51-00-02	99 19	F2305-10000	04	5 14
F1805-10030	46-01-02	93 32	F1805-12030	51-00-03	103 13	F2305-12000	04	5 17 01
F1805-10030	51-00-01	97 10	F1805-12030	55	109 10	F2305-12000	25	37 17
F1805-10030	53-00-01	105 27	F1805-12030	61-00-01	111 30	F2305-12000	53-00-01	105 25
F1805-10030	55	109 1 10	F1805-12030	62	139 5	F2305-14000	61-02-02	129 2
F1805-10030	55	109 11	F1805-12035	13	21 4	F2320-08000	61-01	123 29
F1805-10030	61-02-02	129 44	F1805-12035	32-01	53 13	F2320-14000	68-00-01	147 8 01
F1805-10030	62-01	141 23	F1805-12035	48	95 8	F2325-08000	61-00-01	111 24
F1805-10035	30	47 26	F1805-12035	66	145 2	F2325-20000	53-00-02	107 1 02
F1805-10035	35	65 1 20	F1805-12040	25	39 52	F2325-24000	61-00-02	115 1 66
F1805-10035	46-01-01	91 21	F1805-12050	07-01-01	13 11	F2325-24000	61-00-03	119 1 66
F1805-10040	51-00-02	99 24	F1805-12050	13	21 17	F2325-30000	45	89 1 17
F1805-10040	61-01	125 46	F1825-06020	61-00-02	115 1 64	F2440-10000	39-00-02	75 6
F1805-10040	87-05	153 13	F1825-06020	61-00-03	119 1 64	F2445-08000	61-00-01	111 29
F1805-10045	21	31 1 01	F1825-08016	32-03	55 2	F2445-08000	61-01	125 47
F1805-10045	51-00-02	101 33	F1825-10020	36	67 10	F2445-08000	63	143 18
F1805-10055	61-02-02	129 36	F1825-10020	36-02	71 20	F2445-10000	61-00-01	111 21

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PART NO.	GRP NO.	PA	REF		PART NO.	GRP NO.	PA	REF		PART NO.	GRP NO.	PA	REF	
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F2445-12000	33-00-01	59	3		F2515-10000	39-00-02	75	7		F2515-12000	61-00-01	111	6	
F2500-06000	61-00-02	115	1	52	F2515-10000	40-00-01	77	16		F2515-12000	61-00-01	111	9	
F2500-06000	61-00-03	119	1	52	F2515-10000	40-00-02	79	1	34	F2515-12000	61-00-01	111	42	
F2500-08000	40-00-02	79	1	10	F2515-10000	40-00-03	81	7		F2515-12000	61-01	125	40	
F2500-08000	61-01	125	49		F2515-10000	40-00-03	81	12		F2515-12000	62-01	141	6	
F2500-08000	63	143	27		F2515-10000	46-01-02	93	28		F2515-12000	63	143	11	
F2500-10000	30	47	20		F2515-10000	51-00-01	97	16		F2515-12000	68-00-01	147	4	
F2500-10000	32-03	55	32		F2515-10000	51-00-02	99	26		F2515-12000	68-00-01	147	12	
F2500-10000	32-03	57	37		F2515-10000	51-00-02	99	28		F2515-12000	87-05	153	21	
F2500-10000	40-00-01	77	17		F2515-10000	51-00-02	101	39		F2515-12000	90-01	155	2	
F2500-10000	40-00-02	79	1	33	F2515-10000	51-00-03	103	16		F2515-14000	53-00-01	105	4	
F2500-10000	40-00-03	81	8		F2515-10000	53-00-01	105	29		F2515-14000	61-00-01	111	37	
F2500-10000	53-00-01	105	30		F2515-10000	55	109	5		F2515-14000	61-01	123	38	
F2500-10000	55	109	1	11	F2515-10000	61-00-01	111	20		F2515-14000	62-01	141	17	
F2500-10000	61-00-01	111	16		F2515-10000	61-01	123	2		F2515-16000	07-01-01	13	5	
F2500-10000	61-00-01	111	19		F2515-10000	61-02-02	129	38		F2515-16000	25	37	20	
F2500-10000	61-03	137	8		F2515-10000	61-02-02	129	50		F2515-16000	33-00-01	59	15	
F2500-10000	62-01	141	25		F2515-10000	61-03	137	14		F2515-16000	46-01-01	91	20	
F2500-10000	68-00-01	147	16		F2515-10000	62-01	141	1		F2515-20000	07-01-01	13	3	
F2500-10000	68-00-01	147	22		F2515-12000	07-01-01	13	17		F2515-20000	14	23	5	
F2500-12000	32-03	55	29		F2515-12000	07-01-01	13	17		F2515-20000	14	23	9	
F2500-12000	40-00-01	77	8		F2515-12000	07-01-01	13	25		F2515-30000	45	89	1	18
F2500-12000	40-00-02	79	1	24	F2515-12000	22	33	6		F2846-05000	20	29	2	01
F2500-12000	43	87	5		F2515-12000	25	37	16		F2846-06000	04	5	22	
F2500-12000	61-00-01	111	14		F2515-12000	25	37	16		F2846-06000	07-01-02	15	10	01
F2500-12000	68-00-01	147	25		F2515-12000	25	37	43		F2846-08000	07-00-01	9	4	
F2500-12000	71	151	4		F2515-12000	25	39	50		F2846-08000	23	35	6	
F2500-12000	90-01	155	6		F2515-12000	32-01	53	12		F2846-12000	05	7	3	
F2500-16000	25	37	21		F2515-12000	32-03	55	30		F2846-12000	07-00-01	9	15	
F2500-16000	33-00-01	59	16		F2515-12000	33-00-01	59	8		F2846-12000	25	37	5	
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F2515-06000	87-05	153	27		F2515-12000	36-01	69	7		F2846-20000	07-00-01	9	14	
F2515-08000	25-05	45	5		F2515-12000	36-02	71	26		F2846-20000	20	29	2	02
F2515-08000	61-00-01	111	28		F2515-12000	39-00-02	75	9		F2846-20000	22	33	8	
F2515-08000	61-01	123	20		F2515-12000	40-00-01	77	7		F2870-07025	25-03	43	10	
F2515-08000	61-01	123	20		F2515-12000	40-00-02	79	1	25	F2870-07025	61-00-02	115	1	69
F2515-08000	61-01	123	28		F2515-12000	43	87	12		F2870-07025	61-00-03	119	1	69
F2515-08000	61-02-02	129	29		F2515-12000	45	89	4		F2870-10032	25	37	35	
F2515-08000	63	143	13		F2515-12000	46-01-02	93	4		F2870-10032	25-03	43	11	
F2515-08000	63	143	28		F2515-12000	51-00-01	97	14		F2870-10032	45	89	1	16
F2515-08000	63	143	33		F2515-12000	51-00-02	99	4		F2870-10032	68-00-01	147	24	
F2515-10000	32-03	55	18		F2515-12000	51-00-02	99	15		F2872-06022	53-00-02	107	1	04
F2515-10000	32-03	55	31		F2515-12000	51-00-02	99	20		F3003-01831	25-01	41	5	
F2515-10000	33-00-01	59	12		F2515-12000	51-00-03	103	11		F3015-06523	25	39	47	
F2515-10000	35	65	1	22	F2515-12000	51-00-03	103	14		F3150-07000	46-01-02	93	20	
F2515-10000	36	67	7		F2515-12000	53-00-01	105	7		F3153-05500	46-01-02	93	30	
F2515-10000	36	67	19		F2515-12000	53-00-01	105	17		F3153-05500	46-01-02	93	30	
F2515-10000	36-02	71	7		F2515-12000	53-00-01	105	20		F3153-06000	46-01-01	91	23	

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PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.
F3153-06000	46-01-02	93	17	F5006-10000	40-00-01	77	13	00665-02048	61-00-03	119	1 55
F3153-06000	51-00-03	103	18	F5006-10000	46-01-01	91	26	00665-04048	93	157	2
F3153-07500	25	37	23	F5006-10000	51-00-02	101	42	02310-00231	66	145	1 01
F3153-07500	46-01-02	93	26	F5006-10000	55	109	2	02331-01340	66	145	1 06
F3153-10500	45	89	8	F5006-10000	90-01	155	4	02350-00690	66	145	1 12
F3153-17000	45	89	1 11	F5006-21000	07-01-01	13	21	02371-10221	66	145	1 17
F3153-17000	53-00-02	107	1 12	F5006-21000	46-01-01	91	25	02375-00050	66	145	1 19
F3156-05000	45	89	1 15	F5006-21000	46-01-02	93	31	02392-10230	66	145	1 28
F3200-01700	61-01	123	6	F5006-21000	46-01-02	93	31	02973-14570	61-00-04	121	1 15
F3200-02500	53-00-01	105	12	F5006-21000	51-00-01	97	11	04245-00120	61-00-02	115	1 54
F3200-05500	45	89	1 20	F5006-21000	51-00-02	99	5	04245-00120	61-00-03	119	1 54
F3202-03000	61-01	125	44	F5006-21000	51-00-02	101	41	04245-00120	61-00-04	121	1
F3202-03000	87-05	153	11	F5006-21000	51-00-03	103	3	04322-40100	66	145	4
F3202-03200	61-01	123	17	F5006-26000	13	21	14	04343-38000	68-00-02	149	1
F3202-06200	53-00-01	105	11	F5006-26000	35	65	7	04400-08900	87-05	153	1
F3202-07000	17	25	3	F8000-08000	61-00-02	115	1 88	04400-09200	87-05	153	16
F3202-07200	53-00-02	107	1 06	F8000-08000	61-00-03	119	1 88	04410-43400	63	143	41
F3202-10000	25-03	43	6	F8001-30014	61-02-01	127	1 13	04410-43500	63	143	1
F3202-12000	45	89	1 08	F8001-30014	61-02-03	133	1 13	04826-21000	04	5	19 01
F4540-06300	07-01-02	15	7	F8001-30014	61-02-04	135	1 13	04826-21000	61-00-02	113	1 26
F4540-06300	07-01-02	15	7	F8001-40014	61-02-01	127	1 14	04826-21000	61-00-03	117	1 26
F4540-06300	40-00-03	81	15	F8001-40014	61-02-03	133	1 14	04826-21400	25	37	4
F4540-06300	90-01	155	3	F8001-40014	61-02-04	135	1 14	04826-22200	33-00-01	59	13
F4540-08000	39-00-01	73	7	F8006-06210	25-03	43	14	04826-22500	01	3	2 01
F4540-08000	40-00-01	77	12	F8007-06200	61-01	125	43	04826-22800	01	3	2 02
F4540-10000	07-01-02	15	5	F8007-06200	87-05	153	10	04826-24000	46-01-02	93	33
F4540-10000	61-03	137	20	F8007-06201	61-01	123	16	04826-25000	25	37	3
F4540-10000	62-01	141	4	F8010-06309	25-03	43	5	04826-25000	25	37	3
F4540-12000	07-01-01	13	23	F8010-06310	25	39	51	04826-28090	46-01-02	93	34
F4540-20000	61-03	137	23	F8010-06310	45	89	1 09	04826-40032	46-01-02	93	19
F4540-20000	62-01	141	27	F8010-06311	45	89	1 10	04826-42050	46-01-02	93	10
F4610-14000	61-03	137	21	F8143-32207	61-00-02	115	1 77	04826-42050	51-00-02	101	43
F4610-14000	62	139	2	F8143-32207	61-00-03	119	1 77	04826-42050	51-00-03	103	8
F5000-12000	61-00-02	115	1 76	F8665-02100	66	145	3	04827-71000	01	3	2 03
F5000-12000	61-00-03	119	1 76	ME064526	39-00-01	73	1 06	04827-71300	07-00-01	9	16
F5000-16000	13	21	15	ME150442	39-00-01	73	1 03	04827-71300	25-03	43	17
F5000-16000	46-01-02	93	22	MF140235	61-00-02	113	1 32	04827-71700	07-00-01	9	17
F5000-20000	11	19	20	MF140235	61-00-03	117	1 32	04827-90330	35	65	1 23
F5000-20000	13	21	12	MH000183	40-00-01	77	2	04829-70501	51-00-02	99	18
F5000-36000	13	21	10	MH000184	40-00-01	77	4	05317-02500	51-00-03	103	23
F5005-10001	40-00-02	79	1 14	MH000854	04	5	28	05317-41800	07-01-02	15	9
F5005-10001	45	89	1 19	MH035093	39-00-01	73	1 07	05317-41800	07-01-02	15	9
F5005-21001	46-01-02	93	24	MH035626	39-00-01	73	1 04	05317-50401	43	87	9 04
F5006-10000	07-00-02	11	2	S930P-37270	68-00-02	149	1 06	05317-50701	51-00-03	103	22
F5006-10000	07-01-01	13	30	S930P-80770	68-00-02	149	1 08	05317-50701	51-00-03	103	22
F5006-10000	07-01-02	15	6	00428-20030	61-03	137	24	05317-52201	30	47	22
F5006-10000	25	37	24	00428-20030	62-01	141	22	05318-00300	61-02-02	129	31
F5006-10000	30-05	49	2	00665-02048	33-00-02	61	1 19	05505-31065	46-01-01	91	4
F5006-10000	32	51	28	00665-02048	33-00-03	63	1 19	05505-57060	46-01-01	91	5
F5006-10000	32-01	53	7	00665-02048	61-00-02	115	1 55	05507-10060	61-00-02	115	1 86

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05507-10080	61-00-02	115	1 71	05507-20850	36-01	69	5	05977-12065	25		37 41
05507-10080	61-00-03	119	1 71	05507-20950	25-01	41	6	05978-10014	40-00-03		81 11
05507-10110	40-00-02	79	1 28	05507-20950	25-01	41	9	05978-10110	40-00-02	79	1 31
05507-10110	40-00-03	81	2	05507-21200	30	47	18	05978-10180	55		109 4
05507-10140	39-00-01	73	1 05	05507-21200	30	47	25	05978-12095	53-00-01		105 22
05507-10140	39-00-02	75	5	05507-21250	25	39	48	05978-12155	25		37 9
05507-10200	04	5	26	05507-21450	35	65	4	05978-12160	25		37 13
05507-10220	07-00-01	9	2 01	05507-21450	63	143	7	05978-12175	40-00-01		77 3
05507-10260	61-02-02	129	7	05507-21600	45	89	6	05978-12175	53-00-01		105 19
05507-10340	07-00-01	9	13	05605-05030	11	19	1 03	05978-16115	11		19 9
05507-10340	39-00-01	73	3	05634-00610	87-05	153	4	05978-16155	11		19 8
05507-10340	61-02-02	129	6	05634-00610	87-05	153	19	05978-16160	25		37 19
05507-10360	61-00-01	111	31	05634-01200	61-00-02	115	1 84	05978-22190	22		33 10
05507-10390	61-00-01	111	25	05634-01200	61-00-03	119	1 84	07701-10016	32-03		55 17
05507-10420	61-02-02	129	4	05660-05030	11	19	1 03	07707-12035	32-01		53 11
05507-10440	39-00-01	73	5	05902-06100	87-05	153	8	07707-12045	33-00-01		59 2
05507-10460	55	109	1 01	05902-08080	63	143	15	08051-00200	63		143 29
05507-10460	55	109	12	05946-00801	61-00-02	115	1 56	08302-06000	87-05		153 31
05507-10950	51-00-02	99	2	05946-00801	61-00-03	119	1 56	08302-06000	87-05		153 31
05507-11350	30	47	17	05946-00801	62	139	1 01	08302-12000	53-00-01		105 16
05507-20250	36-02	71	9	05946-01001	61-02-01	127	1 15	09413-00600	87-05		153 7
05507-20250	61-00-02	115	1 74	05946-01001	61-02-03	133	1 15	09413-00800	61-01		123 25
05507-20250	61-00-03	119	1 74	05946-01001	61-02-04	135	1 15	09413-01401	68-00-01	147	8 02
05507-20300	33-00-01	59	4	05946-01001	61-03	137	5	10456-60067	66		145 1 09
05507-20300	39-00-02	75	4	05946-01001	61-03	137	6	10456-62007	66		145 1 03
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05507-20350	36	67	23	05946-01201	61-00-01	111	2	12374-00050	66		145 1 20
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05507-20350	40-00-01	77	10	05946-01201	61-00-03	119	1 58	12392-10130	66		145 1 25
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05507-20350	40-00-03	81	1	05946-01401	61-00-04	121	1 16	12592-22800	66		145 1 21
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05507-20350	61-00-03	119	1 72	05946-01401	61-02-03	133	1 03	15210-01120	61-00-04	121	1 02
05507-20400	36-01	69	4	05946-01401	61-02-04	135	1 03	15210-40100	61-00-04	121	1 03
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05507-20450	48	95	2	05946-01401	62	139	3	15211-11920	61-00-04	121	1 05
05507-20500	36	67	22	05946-01601	13	21	16	15211-20100	61-00-04	121	1 06
05507-20550	07-01-01	13	28	05946-01601	46-01-02	93	23	15211-30700	61-00-04	121	1 07
05507-20600	13	21	7	05946-02001	07-01-02	15	2	15211-40400	61-00-04	121	1 08
05507-20600	23	35	4	05946-02001	11	19	21	15211-50200	61-00-04	121	1 09
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05507-20650	36	67	15	05946-02401	35	65	1 18	15211-70100	61-00-04	121	1 11
05507-20750	35	65	5	05946-03301	35	65	1 19	15212-10200	61-00-04	121	1 12
05507-20800	13	21	2	05946-03601	13	21	11	15220-05620	61-00-04	121	1 13
05507-20800	36	67	3	05950-04006	07-01-02	15	10 02	15230-04020	61-00-04	121	1 14
05507-20800	36	67	14	05969-00300	07-01-02	15	10 03	15231-01300	61-00-04	121	1 17
05507-20800	36-01	69	13	05977-12030	25	37	40	30004-24302	04		5 15
05507-20800	61-00-02	115	1 73	05977-12050	25	37	42	30007-05500	07-01-02		15 3

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PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.
30042-08201	43	87	9 03	32645-01800	45	89	1 06	35A61-58300	87-05	153	3
30042-08202	43	87	9 03	32646-08600	36	67	9	35A61-58301	87-05	153	3
30407-05600	25-05	45	1	32663-06300	61-01	123	8	35A61-58400	87-05	153	6
30625-50502	25-05	45	2	32663-16200	61-01	123	9	35A61-58401	87-05	153	6
30912-01400	11	19	19	32B90-00300	68-00-02	149	3	35A63-01300	63	143	39
30L04-00400	93	157	5	33010-23400	07-01-02	15	4	35A63-07800	63	143	2
31119-12201	07-01-02	15	10 04	33311-01600	53-00-01	105	23	35B36-02900	43	87	13
31201-71800	11	19	11	33320-04701	20	29	2 03	35B62-07100	61-03	137	13
31236-55100	90-01	155	1	33336-20500	46-01-02	93	2	35C36-02900	36-02	71	4
31262-51901	61-00-01	111	11	33407-03900	61-02-01	127	1 16	36207-08900	07-01-02	15	12
32042-20500	43	87	9 02	33407-03900	61-02-03	133	1 16	36243-00010	43	87	6
32307-02500	07-00-01	9	10	33407-03900	61-02-04	135	1 16	36243-10010	43	87	6
32307-02600	07-00-01	9	5	33407-16100	07-01-02	15	1	36646-00090	46-01-01	91	13
32346-23200	51-00-01	97	17	33442-20200	36-01	69	10	36646-00090	51-00-01	97	6
32423-03800	25	37	31	33442-20200	40-00-03	81	17	37104-02800	04	5	17 02
32504-00400	04	5	2	33442-20200	42	83	3	37104-13300	04	5	13
32507-01400	07-00-01	9	2 02	33442-20200	42-05	85	2	37107-04200	07-00-02	11	8
32507-01400	61-00-02	115	1 68	33448-13200	53-00-01	105	24	37107-04300	07-00-02	11	9
32507-01400	61-00-03	119	1 68	33501-13400	01	3	3	37123-03400	25	37	27 01
32522-04111	22	33	13	33504-10300	04	5	9	37136-09100	61-00-01	111	1
32522-04211	22	33	14	33546-06900	13	21	5	37261-01700	62-01	141	21
32522-04311	22	33	12	33546-06900	46-01-02	93	5	37411-02300	11	19	1 02
32532-01700	32	51	17	33561-14500	61-02-02	129	3	37411-02300	11	19	2
32532-06320	32-03	55	17	33707-11701	01	3	8	37411-04200	11	19	17
32532-06425	32-03	55	28	33707-11701	20	29	2 10	37414-01900	53-00-02	107	1 03
32532-07370	32	51	25	33707-11701	21	31	3	37420-10300	20	29	2 04
32532-09100	33-00-01	59	1	33707-11701	22	33	3	37425-08201	25	37	25
32532-20800	32	51	15	34A25-04400	48	95	3	37432-06800	61-01	123	15
32532-20800	32	51	24	34A35-01200	35	65	1 13	37432-06801	61-01	123	15
32532-20800	32-01	53	3	34A36-26100	61-03	137	4	37432-16400	32-03	55	22
32536-09400	61-03	137	3	34A36-36100	61-03	137	4	37461-00500	61-01	123	10
32542-01100	43	87	9 01	34A42-00500	42	83	2	37493-00300	93	157	4
32542-11300	43	87	10	34A48-02100	25	37	33	37501-01501	01	3	5
32542-20500	42	83	1	34A48-02100	61-01	123	2	37501-01501	04	5	27
32545-22900	45	89	2	34A63-04500	63	143	30	37501-03101	01	3	2 05
32545-22900	51-00-02	99	22	34A68-05100	68-00-02	149	2	37501-03102	01	3	2 05
32545-22900	51-00-03	103	6	35A30-00100	30	47	7	37501-04200	01	3	2 05
32545-22900	53-00-02	107	1 16	35A40-02100	40-00-01	77	14	37501-04300	01	3	2 05
32546-25400	51-00-01	97	18	35A40-15101	40-00-02	79	1 30	37501-10600	01	3	2 04
32546-46800	46-01-02	93	6	35A61-19900	61-01	123	30	37501-11400	01	3	4
32546-46800	46-01-02	93	9	35A61-19900	61-01	123	30	37501-12200	01	3	6
32546-46800	51-00-02	99	13	35A61-19900	63	143	4	37501-12501	01	3	7
32546-46800	51-00-03	103	9	35A61-19900	63	143	20	37501-70051	01	3	1
32561-18300	61-01	125	45	35A61-19900	63	143	37	37501-70052	01	3	1
32561-18300	87-05	153	12	35A61-38600	61-01	123	21	37504-00300	04	5	3
32561-48600	61-01	123	18	35A61-38600	63	143	16	37504-00900	04	5	10
32562-00115	62	139	1 02	35A61-38601	61-01	123	21	37504-01300	04	5	4
32562-00800	62	139	9	35A61-38601	63	143	16	37504-02300	04	5	25
32562-60300	62	139	1 03	35A61-38700	63	143	17	37504-03400	04	5	11
32607-10700	07-00-01	9	12	35A61-38701	63	143	17	37504-03500	04	5	12

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PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.
37504-04300	04	5	18	37519-20301	19	27	1 02	37546-23702	46-01-01	91	12
37504-10400	04	5	5	37519-21300	19	27	1 02	37549-07760	53-00-01	105	31
37504-10600	04	5	6	37525-00600	25-03	43	12	37555-04400	55	109	1 03
37504-10800	04	5	7	37525-03400	45	89	1 12	37555-04400	55	109	7
37504-14600	04	5	29	37525-03600	25-03	43	7	37555-04500	55	109	8
37504-20500	04	5	8	37525-07901	04	5	24	37555-04501	55	109	1 04
37504-22021	04	5	17	37525-07901	05	7	5	37555-10600	30-05	49	1
37504-26100	04	5	30	37525-07901	11	19	13	37555-10600	55	109	1 02
37504-30200	04	5	1	37525-07901	11	19	15	37555-10600	55	109	9
37504-31200	04	5	21	37525-07901	25	37	30	37560-04800	61-01	123	23
37504-32500	04	5	17 04	37525-07901	25-03	43	8	37560-04800	63	143	14
37504-51100	04	5	20	37525-09600	05	7	4	37560-04800	63	143	36
37504-51101	04	5	20	37525-09900	25-03	43	13	37560-04900	63	143	19
37504-54011	04	5	19	37525-13400	25-03	43	15	37560-07800	61-02-01	127	1 01
37504-56200	04	5	31	37525-63100	25-03	43	1	37560-08500	61-02-04	135	1 01
37504-66200	04	5	31	37530-00200	30	47	1	37560-35000	61-02-01	127	1
37505-03300	05	7	9	37532-00800	32	51	3	37560-37010	61-02-01	127	1 02
37505-10800	05	7	6	37532-09500	32	51	2	37560-37010	61-02-03	133	1 02
37505-31100	05	7	8	37532-20600	32	51	16	37560-37010	61-02-04	135	1 02
37507-00701	07-00-01	9	11	37532-27100	32-03	55	1	37561-00500	61-00-01	111	43
37507-00701	39-00-01	73	2	37532-30600	32	51	16	37561-01602	61-02-02	129	1
37507-03100	07-00-01	9	6	37532-37100	32-03	55	1	37561-01800	25	37	37
37507-03200	07-00-01	9	7	37535-02300	35	65	1 14	37561-01800	61-00-01	111	7
37507-03900	07-00-01	9	8	37535-12200	35	65	1 15	37561-03700	61-00-01	111	45
37507-12500	07-00-02	11	4	37540-01300	40-00-01	77	11	37561-08800	61-02-02	129	30
37507-12510	07-00-02	11	5	37540-02100	40-00-02	79	1 12	37561-09300	61-02-01	127	1 11
37507-12520	07-00-02	11	6	37540-11100	40-00-02	79	1 11	37561-09300	61-02-03	133	1 11
37507-16400	07-01-01	13	9	37543-10020	43	87	9	37561-09300	61-02-04	135	1 11
37507-16500	07-01-01	13	14	37545-00200	45	89	1 02	37561-11900	61-00-01	111	18
37507-27100	07-01-01	13	6	37545-00200	53-00-02	107	1 13	37561-13300	61-02-01	127	1 04
37507-27100	07-01-01	13	6	37545-00300	45	89	1 07	37561-13300	61-02-03	133	1 04
37507-27200	07-01-01	13	7	37545-00300	53-00-02	107	1 14	37561-13300	61-02-04	135	1 04
37507-32400	07-00-02	11	7	37545-00500	53-00-02	107	1 11	37561-13600	61-02-02	129	9
37507-37300	07-01-01	13	9	37545-20600	53-00-02	107	1 10	37561-16600	61-02-01	127	1 05
37507-37300	07-01-01	13	9	37546-00500	46-01-01	91	4	37561-16600	61-02-03	133	1 05
37507-37400	07-01-01	13	12	37546-00600	46-01-01	91	22	37561-16600	61-02-04	135	1 05
37507-37600	07-01-01	13	14	37546-00800	36-01	69	2	37561-16800	61-02-02	129	5
37507-37800	07-01-01	13	13	37546-00900	46-01-01	91	11	37561-18500	63	143	35
37507-82600	07-00-02	11	3	37546-00900	51-00-01	97	5	37561-23500	61-02-02	129	8
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37517-00900	17	25	1	37546-01800	46-01-01	91	10	37561-26300	61-02-03	133	1 06
37517-10010	17	25	4	37546-01800	51-00-01	97	4	37561-26300	61-02-04	135	1 06
37517-18100	17	25	2	37546-04900	40-00-03	81	16	37561-26400	61-02-01	127	1 07
37519-10600	19	27	1 01	37546-11300	46-01-01	91	6	37561-26400	61-02-03	133	1 07
37519-11400	19	27	1 05	37546-14600	51-00-03	103	21	37561-26400	61-02-04	135	1 07
37519-13100	19	27	4	37546-17100	46-01-01	91	14	37561-46500	61-02-01	127	1 10
37519-13200	19	27	5	37546-21200	46-01-01	91	7	37561-46500	61-02-03	133	1 10
37519-13300	19	27	6	37546-21700	46-01-01	91	9	37561-46500	61-02-04	135	1 10
37519-13400	19	27	7	37546-23300	46-01-01	91	15	37561-56700	61-02-01	127	1 08
37519-13500	19	27	8	37546-23701	46-01-01	91	12	37561-56700	61-02-03	133	1 08

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37561-56700	61-02-04	135	1 08	37709-18200	09	17	7	37725-17200	25-01	41	8
37561-62800	61-00-01	111	22	37709-18300	09	17	8	37725-20600	25		37 38
37561-67013	61-02-01	127	1 09	37709-18400	09	17	9	37725-22302	25		37 34
37561-67013	61-02-03	133	1 09	37711-04300	11	19	18	37725-30200	25		37 6
37561-67013	61-02-04	135	1 09	37711-06030	11	19	1	37725-40400	25		37 8
37561-86100	61-02-01	127	1 12	37711-06031	11	19	1	37725-40500	25		37 36
37561-86100	61-02-03	133	1 12	37711-06032	11	19	1	37725-41010	25		37 1
37561-86100	61-02-04	135	1 12	37711-10200	11	19	5	37725-41011	25		37 1
37562-10111	62	139	1 04	37711-13200	43	87	1	37725-90300	25		37 7
37562-13100	61-02-02	129	34	37711-25400	11	19	7	37730-11501	30		47 8
37562-13100	61-02-02	129	45	37711-45300	11	19	6	37732-06100	32-03		55 3
37562-13300	61-02-02	129	32	37711-75011	11	19	1	37732-07300	32-03		57 34
37562-13400	61-02-02	129	33	37714-20100	14	23	1	37732-09501	32-03		55 33
37562-13400	61-02-02	129	46	37714-22200	14	23	7	37732-10900	32		51 14
37562-15900	61-02-02	129	35	37714-32100	14	23	6	37732-20302	32		51 5
37562-15900	61-02-02	129	49	37719-22010	19	27	1	37732-21101	32		51 1
37562-60100	62	139	1	37719-22020	19	27	9	37732-26100	32-03		55 3
37563-00400	63	143	2	37719-60010	19	27	1	37732-30602	32		51 6
37563-15400	61-01	123	22	37719-60040	19	27	2	37732-50102	32		51 4
37563-15401	61-01	123	22	37719-60050	19	27	3	37733-08300	32-03		55 4
37564-05200	61-00-01	111	27	37719-70010	19	27	1	37733-08400	32-03		55 8
37566-00125	66	145	1 11	37719-70040	19	27	2	37733-18300	32-03		55 4
37566-00126	66	145	1 10	37719-70050	19	27	3	37733-18400	32-03		55 8
37566-00217	66	145	1 22	37720-03600	22	33	11	37735-00030	35		65 1
37566-00222	66	145	1 14	37721-00060	21	31	1	37735-03100	35		65 6
37566-00224	66	145	1 04	37721-20201	21	31	1 03	37735-10900	35		65 1 16
37566-10312	66	145	1 13	37722-00801	22	33	4	37735-21800	35		65 1 17
37566-10511	66	145	1 16	37722-01200	22	33	2	37735-30300	35		65 1 08
37566-20113	66	145	1 23	37722-10500	22	33	9	37735-30701	35		65 1 10
37568-22200	68-00-01	147	8 03	37722-10501	22	33	9	37735-40400	35		65 1 09
37568-22300	68-00-01	147	8 04	37722-10800	22	33	4	37735-48020	35		65 1 11
37571-01500	71	151	5	37723-03030	23	35	1	37735-72000	35		65 1 05
37571-10300	71	151	2	37723-03300	23	35	1 01	37735-81000	35		65 1 01
37592-01400	90-01	155	9	37723-04400	23	35	7	37736-01500	61-03		137 10
37593-02900	93	157	6	37723-04601	23	35	3	37736-01500	62-01		141 12
37595-26210	61-02-03	133	1 01	37723-04900	23	35	9	37736-02501	36		67 8
37599-W3710	17	25	1	37723-10101	20	29	2 07	37736-03400	36		67 4
37707-01701	07-00-01	9	2 03	37723-11100	23	35	11	37736-10101	36		67 1
37707-01900	07-00-01	9	3	37723-12100	23	35	12	37736-11301	36-01		69 12
37707-08500	07-01-02	15	11	37723-14700	23	35	8	37736-19300	07-00-02		11 1
37707-11801	07-00-01	9	2 05	37725-00801	25	39	45	37736-21203	36-01		69 3
37707-17200	07-01-01	13	33	37725-02200	45	89	1 05	37736-44200	36-01		69 8
37707-20901	07-01-01	13	1	37725-03010	25	37	27	37739-00900	36-01		69 15
37707-28040	07-01-02	15	10	37725-03502	25	37	28	37739-10200	39-00-01		73 4
37709-12010	09	17	1	37725-07101	25-01	41	1	37739-20500	36-01		69 1
37709-12020	09	17	2	37725-07800	25-01	41	2	37739-22200	39-00-02		75 1
37709-12030	09	17	3	37725-10900	25	39	46	37739-22300	39-00-02		75 3
37709-12040	09	17	4	37725-12102	20	29	2 08	37739-30100	39-00-01		73 1 01
37709-12050	09	17	5	37725-14101	68-00-01	147	23	37739-30400	39-00-01		73 1 02
37709-18100	09	17	6	37725-15300	25-03	43	4	37739-32100	39-00-02		75 2

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37739-50010	39-00-01	73	1		37751-05300	51-00-02	99	12		37762-32600	61-03	137	11	
37740-00700	40-00-01	77	9		37751-05310	51-00-02	99	11		37762-52501	61-03	137	9	
37740-01700	40-00-02	79	1	06	37751-05320	51-00-02	99	10		37762-61400	62-01	141	10	
37740-06011	40-00-02	79	1	13	37751-05330	51-00-02	99	9		37763-05500	63	143	22	
37740-07500	40-00-03	81	10		37751-05340	51-00-02	99	8		37763-06200	61-01	123	4	
37740-07600	40-00-03	81	3		37751-05350	51-00-02	99	7		37763-06400	61-01	123	5	
37740-07700	40-00-03	81	13		37751-06500	51-00-03	103	17		37763-06400	63	143	34	
37740-07800	40-00-03	81	14		37751-11100	51-00-01	97	7		37763-06600	63	143	23	
37740-17700	40-00-03	81	13		37753-00010	53-00-01	105	1		37763-15701	63	143	24	
37740-27112	40-00-02	79	1	04	37753-00010	53-00-02	107	1		37763-25800	63	143	25	
37740-27123	40-00-02	79	1	05	37753-00100	53-00-02	107	1	01	37763-25900	63	143	26	
37740-50011	40-00-02	79	1		37753-00200	53-00-02	107	1	07	37763-35900	63	143	26	
37740-50300	40-00-02	79	1	16	37753-00300	53-00-02	107	1	08	37766-03200	11	19	3	
37740-50312	40-00-02	79	1	18	37753-00400	53-00-02	107	1	09	37766-20200	66	145	1	
37740-50313	40-00-02	79	1	19	37753-01100	53-00-01	105	5		37768-02400	68-00-01	147	10	
37740-50314	40-00-02	79	1	20	37753-01200	53-00-01	105	18		37768-02700	68-00-01	147	18	
37740-50315	40-00-02	79	1	21	37753-01300	53-00-01	105	21		37768-02800	68-00-01	147	20	
37740-55100	40-00-02	79	1	01	37753-01400	53-00-01	105	26		37768-04200	68-00-01	147	13	
37740-65400	40-00-02	79	1	15	37753-01500	53-00-02	107	1	05	37768-12200	68-00-01	147	5	
37742-13700	42-05	85	4		37755-01400	55	109	1	05	37768-12300	68-00-01	147	8	05
37743-04100	43	87	2		37761-03601	61-02-02	129	41		37768-12600	68-00-01	147	17	
37743-04200	43	87	3		37761-03701	61-02-02	129	42		37768-12700	68-00-01	147	18	
37743-04600	48	95	7		37761-04100	61-03	137	1		37768-12800	68-00-01	147	20	
37745-00900	45	89	1	21	37761-09800	61-01	123	14		37768-22100	68-00-01	147	1	
37745-00900	53-00-02	107	1	15	37761-09900	61-02-02	129	43		37768-28300	68-00-01	147	9	
37745-10600	45	89	1	13	37761-11800	61-00-01	111	17		37768-42500	68-00-01	147	14	
37745-10700	45	89	1	14	37761-15600	61-00-01	111	23		37771-00101	71	151	1	
37745-20400	45	89	1	03	37761-16200	61-01	123	7		37787-01500	87-05	153	2	
37745-20501	45	89	1	04	37761-17700	61-01	125	41		37787-03300	87-05	153	22	
37745-60010	45	89	1		37761-18400	61-01	123	12		37787-21201	87-05	153	9	
37746-00400	45	89	7		37761-19300	61-01	123	37		37795-04020	63	143	23	
37746-00501	25	37	22		37761-21601	61-00-01	111	38		37795-04610	53-00-01	105	1	
37746-01100	46-01-01	91	1		37761-27100	61-01	123	1		37795-04610	53-00-02	107	1	
37746-01200	46-01-01	91	2		37761-27500	61-01	123	35		37795-04611	53-00-02	107	1	07
37746-01300	46-01-01	91	3		37761-27600	61-01	123	36		37795-04612	53-00-02	107	1	08
37746-04400	46-01-02	93	16		37761-27800	61-01	125	42		37795-04613	53-00-02	107	1	09
37746-04800	46-01-02	93	14		37761-28700	61-01	123	26		37795-04620	53-00-01	105	2	
37746-13401	46-01-01	91	17		37761-28701	61-01	123	26		37795-04630	53-00-02	107	1	05
37746-14100	46-01-02	93	1		37761-28800	61-01	123	27		37795-05210	63	143	25	
37746-23500	46-01-01	91	18		37761-28801	61-01	123	27		37799-67410	61-02-03	133	1	
37746-24300	46-01-02	93	13		37761-57201	61-01	123	13		37805-00700	05	7	1	
37748-11600	48	95	1		37761-61700	61-00-01	111	12		37805-00800	05	7	2	
37751-01100	51-00-01	97	7		37761-67200	61-01	123	13		37807-02600	07-00-01	9	5	
37751-02100	51-00-01	97	17		37762-00501	62-01	141	3		37807-06100	07-01-01	13	22	
37751-02200	51-00-01	97	18		37762-02900	61-03	137	19		37807-06400	07-01-01	13	18	
37751-03100	51-00-01	97	8		37762-13100	61-00-01	111	44		37807-07300	07-01-01	13	32	
37751-03200	51-00-01	97	9		37762-20300	62	139	7		37807-16200	07-01-01	13	19	
37751-04100	48	95	6		37762-20400	62	139	4		37807-17200	07-01-01	13	8	
37751-04200	51-00-01	97	12		37762-22800	61-03	137	18		37807-50012	07-00-01	9	1	
37751-05100	51-00-02	99	1		37762-32100	62-01	141	15		37807-70010	07-00-01	9	1	

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37813-10200	13	21	3	37832-16600	32-03	55	14	37836-76400	36-02	71	21
37813-30102	13	21	1	37832-16700	32-03	55	15	37836-86300	36-02	71	22
37813-40100	13	21	1	37832-20302	32	51	7	37842-23500	42-05	85	1
37820-00500	20	29	3	37832-24200	33-00-01	59	9	37846-14202	46-01-02	93	8
37820-03010	20	29	1	37832-24700	32-01	53	10	37851-05100	51-00-02	99	6
37820-03011	20	29	1	37832-28100	32-03	55	24	37851-05200	51-00-02	99	16
37820-04300	20	29	2 04	37832-28200	32-03	55	25	37851-05300	51-00-02	99	17
37820-04301	20	29	2 04	37832-30402	32	51	8	37851-05400	51-00-02	99	21
37820-04400	20	29	2 10	37832-30702	32	51	11	37851-05500	51-00-02	99	30
37820-04401	20	29	2 10	37832-31400	32	51	20	37851-05600	51-00-02	101	40
37820-04500	20	29	2 01	37832-37300	32-03	55	7	37851-05700	51-00-02	99	23
37820-04501	20	29	2 01	37832-37500	32-03	55	11	37851-06100	51-00-03	103	1
37820-04600	20	29	2 03	37832-37600	32-03	55	12	37851-06200	51-00-03	103	2
37820-04700	20	29	2 02	37832-37700	32-03	55	13	37851-06300	51-00-03	103	4
37820-04701	20	29	2 02	37832-38100	32-03	55	24	37851-06400	51-00-03	103	5
37820-30011	20	29	1	37832-38200	32-03	55	25	37851-06500	51-00-03	103	12
37822-11100	22	33	1	37832-41501	32	51	21	37855-00301	55	109	3
37823-03600	23	35	2	37832-41601	32	51	22	37855-01100	55	109	1 06
37823-03800	23	35	5	37832-44500	32-01	53	1	37855-01300	55	109	1 07
37823-05100	20	29	2 07	37832-47300	32-03	55	7	37855-11200	55	109	1 08
37825-02100	20	29	2 08	37832-47500	32-03	55	11	37860-02100	61-02-02	129	10
37830-01500	30	47	6	37832-47600	32-03	55	12	37860-02200	61-02-02	129	11
37830-02100	30	47	2	37832-47700	32-03	55	13	37860-02300	61-02-02	129	12
37830-02200	30	47	3	37833-08100	32-03	55	5	37860-02400	61-02-02	129	13
37830-02300	30	47	4	37833-08200	32-03	55	6	37860-02500	61-02-02	129	14
37830-02400	30	47	5	37833-08300	32-03	55	9	37860-02600	61-02-02	129	15
37830-02700	30	47	24	37833-08400	32-03	55	10	37860-02700	61-02-02	129	16
37830-03403	30	47	10	37833-18100	32-03	55	5	37860-02800	61-02-02	129	17
37830-03403	30	47	10	37833-18200	32-03	55	6	37860-03100	61-02-02	129	18
37830-03800	30	47	11	37833-18300	32-03	55	9	37860-03200	61-02-02	129	19
37830-05800	30	47	23	37833-18400	32-03	55	10	37860-03300	61-02-02	129	20
37830-09800	30	47	16	37836-03300	36	67	27	37860-03400	61-02-02	129	21
37830-17100	30	47	15	37836-03500	36	67	26	37860-03500	61-02-02	129	22
37830-17300	30	47	14	37836-03601	36	67	16	37860-03600	61-02-02	129	23
37830-17301	30	47	14	37836-03701	36	67	20	37860-03700	61-02-02	129	24
37830-23600	30	47	21	37836-03901	36	67	25	37860-03800	61-02-02	129	25
37832-01701	32	51	23	37836-09400	36	67	24	37860-07000	61-02-04	135	1
37832-02901	32	51	13	37836-09700	36-02	71	18	37861-01800	61-02-02	129	26
37832-03101	32	51	19	37836-09800	36-02	71	19	37861-02900	61-02-02	129	27
37832-03701	32-01	53	6	37836-15101	36-02	71	1	37861-04200	61-03	137	2
37832-04101	33-00-01	59	5	37836-15302	63	143	3	37861-11501	61-00-01	111	33
37832-06600	32-03	55	14	37836-16800	36-02	71	23	37861-11601	61-00-01	111	34
37832-06700	32-03	55	15	37836-25200	36-02	71	2	37861-61100	61-00-01	111	3
37832-08300	32-03	55	26	37836-25901	36-02	71	8	37862-14200	62-01	141	19
37832-12500	32	51	9	37836-36100	36-02	71	13	37862-31100	62-01	141	7
37832-12600	32	51	10	37836-36600	36-02	71	16	37862-31300	62-01	141	9
37832-12800	32	51	12	37836-36700	36-02	71	17	37862-31700	62-01	141	14
37832-14300	32-01	53	2	37836-46200	36-02	71	14	37862-41500	62-01	141	11
37832-14400	32-01	53	5	37836-46600	36-02	71	16	37862-41600	62-01	141	13

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PART NO.	GRP NO.	PA	REF	PART NO.	GRP NO.	PA	REF	PART NO.	GRP NO.	PA	REF
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37862-51200	62-01	141	8	45600-42901	46-01-02	93	21	48202-07100	61-00-02	115	1 70
37863-01100	63	143	40	45689-50401	90-01	155	5	48202-07100	61-00-03	119	1 70
37892-01600	90-01	155	10	45713-62200	22	33	7	48202-07600	61-00-02	113	1 23
37892-01700	90-01	155	11	45740-36500	87-05	153	24	48202-07600	61-00-03	117	1 23
37892-01800	90-01	155	12	45742-56600	13	21	6	48202-07700	61-00-02	113	1 28
37893-08200	93	157	7	45815-43300	53-00-01	105	10	48202-07700	61-00-03	117	1 28
37895-10620	53-00-01	105	5	45940-30101	61-01	123	33	48202-08200	61-00-02	115	1 90
37895-10630	53-00-01	105	26	45950-51700	61-03	137	25	48202-08200	61-00-03	119	1 90
37895-10640	53-00-01	105	18	45950-51700	62-01	141	26	48202-08300	61-00-02	115	1 91
37895-10650	53-00-01	105	21	45951-04014	90-01	155	13	48202-08300	61-00-03	119	1 91
37895-10660	53-00-01	105	31	45954-30050	07-01-02	15	8	48202-11700	61-00-02	113	1 14
37895-10670	53-00-01	105	32	45954-30050	07-01-02	15	8	48202-11700	61-00-03	117	1 14
37895-10710	51-00-01	97	8	45R43-40401	43	87	7	48202-12400	61-00-02	113	1 20
37895-10720	51-00-01	97	9	45R53-31400	53-00-01	105	8	48202-12400	61-00-03	117	1 20
37895-10730	48	95	6	45R53-31500	53-00-01	105	9	48202-14100	61-00-02	113	1 34
37895-10740	51-00-01	97	12	47500-34100	87-05	153	29	48202-14100	61-00-03	117	1 34
37895-10750	51-00-03	103	17	47500-34100	87-05	153	29	48202-14200	61-00-02	113	1 35
37895-10810	51-00-02	99	1	47500-36700	87-05	153	30	48202-14200	61-00-03	117	1 35
37895-10820	51-00-02	99	6	47500-36700	87-05	153	30	48202-14300	61-00-02	113	1 36
37895-10830	51-00-02	99	17	47500-39900	63	143	6	48202-14300	61-00-03	117	1 36
37895-10840	51-00-02	99	21	47500-55701	25-03	43	16	48202-14400	61-00-02	113	1 37
37895-10850	51-00-02	99	23	47503-62920	53-00-01	105	33	48202-14400	61-00-03	117	1 37
37895-10860	51-00-02	99	30	47510-51700	07-01-01	13	27	48202-15100	61-00-02	115	1 92
37895-10870	51-00-02	101	40	47510-61601	46-01-02	93	25	48202-15100	61-00-03	119	1 92
37895-10920	51-00-03	103	1	47520-25800	87-05	153	23	48202-21201	61-00-02	113	1 11
37895-10930	51-00-03	103	2	47520-25800	87-05	153	23	48202-21201	61-00-03	117	1 11
37895-10940	51-00-03	103	4	47521-60900	51-00-02	99	31	48202-21301	61-00-02	113	1 12
37895-10950	51-00-03	103	5	48000-96600	61-01	123	31	48202-21301	61-00-03	117	1 12
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37895-12810	22	33	11	48000-96600	63	143	5	48202-22201	61-00-03	117	1 18
37897-07610	93	157	7	48000-96600	63	143	21	48202-22800	61-00-02	113	1 24
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37899-H54J1	51-00-02	99	8	48202-02300	61-00-03	117	1 19	48202-23201	61-00-03	119	1 85
37899-H54J2	51-00-02	99	9	48202-02600	61-00-02	113	1 22	48202-23500	61-00-02	113	1 30
37899-H54J3	51-00-02	99	10	48202-02600	61-00-03	117	1 22	48202-23500	61-00-03	117	1 30
37899-H54J4	51-00-02	99	11	48202-02900	61-00-02	113	1 25	48202-32500	61-00-02	113	1 21
37899-H54J5	51-00-02	99	12	48202-02900	61-00-03	117	1 25	48202-32500	61-00-03	117	1 21
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37K46-06200	51-00-01	97	2	48202-04500	61-00-02	113	1 41	48202-35900	61-00-02	113	1 09
37K46-06300	51-00-01	97	3	48202-04500	61-00-03	117	1 41	48202-35900	61-00-03	117	1 09
41232-03900	32-01	53	9	48202-04600	61-00-02	113	1 42	48202-39100	61-00-02	115	1 78
41232-04100	32-01	53	8	48202-04700	61-00-02	113	1 43	48202-39100	61-00-03	119	1 78
42061-21800	61-01	123	24	48202-04700	61-00-03	117	1 43	48202-53100	61-00-02	115	1 89
42800-53800	46-01-02	93	29	48202-04800	61-00-03	117	1 42	48202-53100	61-00-03	119	1 89
42800-53800	46-01-02	93	29	48202-05500	61-00-02	113	1 44	48202-54001	61-00-02	113	1 29
45298-20800	87-05	153	15	48202-05500	61-00-03	117	1 44	48202-54001	61-00-03	117	1 29
45298-20800	87-05	153	28	48202-05800	61-00-02	113	1 27	48210-35601	61-00-02	113	1 17
45568-42200	53-00-01	105	13	48202-05800	61-00-03	117	1 27	48210-35601	61-00-03	117	1 17

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PART NO.	GRP NO.	PA GE	REF NO.	PART NO.	GRP NO.	PA GE	REF NO.	PART NO.	GRP NO.	PA GE	REF NO.
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48213-50200	61-00-03	117	1 03	48A13-02200	61-00-02	115	1 79	49181-22200	33-00-02	61	1 02
48230-05200	61-00-01	111	10	48A13-02200	61-00-03	119	1 79	49181-22200	33-00-03	63	1 02
48250-04400	61-00-02	113	1 40	48A15-01001	61-00-02	113	1 13	49181-22300	33-00-02	61	1 10
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48250-04900	61-00-02	113	1 39	48A17-08100	61-00-02	115	1 67	49181-22600	33-00-02	61	1 09
48250-04900	61-00-03	117	1 39	48A17-08100	61-00-03	119	1 67	49181-22600	33-00-03	63	1 09
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48251-00100	61-00-03	117	1 45	48A32-10102	61-00-02	113	1 04	49181-22700	33-00-03	63	1 20
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48251-00800	61-00-03	119	1 82	48A43-00101	61-00-02	113	1 02	49181-23500	33-00-03	63	1 21
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48251-00900	61-00-03	119	1 83	48A95-08000	61-00-03	117	1 01	49181-23700	33-00-03	63	1 22
48251-10300	61-00-02	113	1 47	48C17-03200	61-00-02	113	1 46	49181-25310	33-00-02	61	1 15
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48270-11800	61-00-03	117	1 15	49181-08800	33-00-03	63	1 01	51776-03000	61-01	123	32
48270-14101	61-00-02	113	1 10	49181-08800	33-00-02	61	1 01	53889-05200	40-00-03	81	19
48270-14101	61-00-03	117	1 10	49181-14003	32-01	53	4	53889-05200	51-00-02	101	35
48270-50010	61-00-02	113	1 07	49181-14003	33-00-02	61	1 26	53889-05200	51-00-02	101	35
48270-50010	61-00-03	117	1 07	49181-14003	33-00-03	63	1 26	56579-08800	51-00-02	101	34
48291-00301	61-00-02	115	1 50	49181-14310	33-00-02	61	1 29	56579-08800	51-00-02	101	34
48291-00301	61-00-03	119	1 50	49181-14410	33-00-03	63	1 29	56C95-14900	13	21	18
48291-01300	61-00-02	115	1 93	49181-15300	33-00-02	61	1 28	58034-04400	32	51	27
48291-01300	61-00-03	119	1 93	49181-15400	33-00-03	63	1 28	58034-04400	32-03	55	19
48A11-02100	61-00-02	113	1 08	49181-19300	33-00-02	61	1 14	58034-04400	51-00-01	97	21
48A11-02100	61-00-03	117	1 08	49181-19300	33-00-03	63	1 14	58034-04400	55	109	6
48A11-08000	61-00-02	113	1 05	49181-21100	33-00-02	61	1 03	63669-23400	32-03	57	34
48A11-08000	61-00-03	117	1 05	49181-21100	33-00-03	63	1 03	64393-46700	07-01-01	13	29
48A13-01100	61-00-02	113	1 31	49181-21600	33-00-02	61	1 04	66F57-05600	90-01	155	14

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
70921-01460	66	145 1 24						
72312-00090	66	145 1 08						
72332-00120	66	145 1 15						
72335-10080	66	145 1 07						
72378-00070	66	145 1 05						
91262-07700	63	143 31						
91365-03200	61-01	123 15						
94104-01100	25-03	43 13						

TABLE OF BOLT,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER
F1805-06010	F1035-06010 F2515-06000	F1805-06035	F1035-06035 F2515-06000	F1805-08018	F1035-08018 F2515-08000
F1805-06012	F1035-06012 F2515-06000	F1805-06040	F1035-06040 F2515-06000	F1805-08020	F1035-08020 F2515-08000
F1805-06014	F1035-06014 F2515-06000	F1805-06045	F1035-06045 F2515-06000	F1805-08022	F1035-08022 F2515-08000
F1805-06016	F1035-06016 F2515-06000	F1805-06055	F1035-06055 F2515-06000	F1805-08025	F1035-08025 F2515-08000
F1805-06018	F1035-06018 F2515-06000	F1805-06060	F1035-06060 F2515-06000	F1805-08030	F1035-08030 F2515-08000
F1805-06020	F1035-06020 F2515-06000	F1805-08012	F1035-08012 F2515-08000	F1805-08035	F1035-08035 F2515-08000
F1805-06025	F1035-06025 F2515-06000	F1805-08014	F1035-08014 F2515-08000	F1805-08040	F1035-08040 F2515-08000
F1805-06030	F1035-06030 F2515-06000	F1805-08016	F1035-08016 F2515-08000	F1805-08045	F1035-08045 F2515-08000

TABLE OF BOLT,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER
F1805-08050	F1035-08050 F2515-08000	F1805-10018	F1035-10018 F2515-10000	F1805-10050	F1035-10050 F2515-10000
F1805-08055	F1035-08055 F2515-08000	F1805-10020	F1035-10020 F2515-10000	F1805-10055	F1035-10055 F2515-10000
F1805-08060	F1035-08060 F2515-08000	F1805-10022	F1035-10022 F2515-10000	F1805-10060	F1035-10060 F2515-10000
F1805-08065	F1035-08065 F2515-08000	F1805-10025	F1035-10025 F2515-10000	F1805-10065	F1035-10065 F2515-10000
F1805-08070	F1035-08070 F2515-08000	F1805-10030	F1035-10030 F2515-10000	F1805-10070	F1035-10070 F2515-10000
F1805-08075	F1035-08075 F2515-08000	F1805-10035	F1035-10035 F2515-10000	F1805-10085	F1035-10085 F2515-10000
F1805-10014	F1035-10014 F2515-10000	F1805-10040	F1035-10040 F2515-10000	F1805-12016	F1035-12016 F2515-12000
F1805-10016	F1035-10016 F2515-10000	F1805-10045	F1035-10045 F2515-10000	F1805-12020	F1035-12020 F2515-12000

TABLE OF BOLT,WWASHER

BOLT,WWASHER	BOLT/WASHER	BOLT,WWASHER	BOLT/WASHER	BOLT,WWASHER	BOLT/WASHER
F1805-12025	F1035-12025 F2515-12000	F1805-12065	F1035-12065 F2515-12000	F1825-06010	F1035-06010 F2515-06000 F2500-06000
F1805-12030	F1035-12030 F2515-12000	F1805-12085	F1035-12085 F2515-12000	F1825-06012	F1035-06012 F2515-06000 F2500-06000
F1805-12035	F1035-12035 F2515-12000	F1805-14035	F1035-14035 F2515-14000	F1825-06014	F1035-06014 F2515-06000 F2500-06000
F1805-12040	F1035-12040 F2515-12000	F1805-14045	F1035-14045 F2515-14000	F1825-06016	F1035-06016 F2515-06000 F2500-06000
F1805-12045	F1035-12045 F2515-12000			F1825-06020	F1035-06020 F2515-06000 F2500-06000
F1805-12050	F1035-12050 F2515-12000			F1825-06025	F1035-06025 F2515-06000 F2500-06000
F1805-12055	F1035-12055 F2515-12000				
F1805-12060	F1035-12060 F2515-12000				

TABLE OF BOLT,WWASHER

BOLT,WWASHER	BOLT/WASHER	BOLT,WWASHER	BOLT/WASHER	BOLT,WWASHER	BOLT/WASHER
F1825-06030	F1035-06030 F2515-06000 F2500-06000	F1825-08025	F1035-08025 F2515-08000 F2500-08000	F1825-08050	F1035-08050 F2515-08000 F2500-08000
F1825-06035	F1035-06035 F2515-06000 F2500-06000	F1825-08030	F1035-08030 F2515-08000 F2500-08000	F1825-08055	F1035-08055 F2515-08000 F2500-08000
F1825-06055	F1035-06055 F2515-06000 F2500-06000	F1825-08035	F1035-08035 F2515-08000 F2500-08000	F1825-08085	F1035-08085 F2515-08000 F2500-08000
F1825-08012	F1035-08012 F2515-08000 F2500-08000	F1825-08038	F1035-08038 F2515-08000 F2500-08000	F1825-10014	F1035-10014 F2515-10000 F2500-10000
F1825-08016	F1035-08016 F2515-08000 F2500-08000	F1825-08040	F1035-08040 F2515-08000 F2500-08000	F1825-10016	F1035-10016 F2515-10000 F2500-10000
F1825-08020	F1035-08020 F2515-08000 F2500-08000	F1825-08045	F1035-08045 F2515-08000 F2500-08000	F1825-10020	F1035-10020 F2515-10000 F2500-10000

TABLE OF BOLT,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER
F1825-10025	F1035-10025 F2515-10000 F2500-10000	F1825-12025	F1035-12025 F2515-12000 F2500-12000	F2005-10016	F1155-10016 F2515-10000
F1825-10030	F1035-10030 F2515-10000 F2500-10000	F1825-12030	F1035-12030 F2515-12000 F2500-12000	F2005-10020	F1155-10020 F2515-10000
F1825-10035	F1035-10035 F2515-10000 F2500-10000	F1825-12040	F1035-12040 F2515-12000 F2500-12000	F2005-10025	F1155-10025 F2515-10000
F1825-10040	F1035-10040 F2515-10000 F2500-10000			F2005-10030	F1155-10030 F2515-10000
F1825-10080	F1035-10080 F2515-10000 F2500-10000			F2005-10035	F1155-10035 F2515-10000
F1825-12020	F1035-12020 F2515-12000 F2500-12000			F2005-10040	F1155-10040 F2515-10000
				F2005-10045	F1155-10045 F2515-10000
				F2005-10050	F1155-10050 F2515-10000

TABLE OF BOLT,WWASHER

BOLT,WWASHER	BOLT/WASHER	BOLT,WWASHER	BOLT/WASHER	BOLT,WWASHER	BOLT/WASHER
F2005-10055	F1155-10055 F2515-10000	F2005-12040	F1155-12040 F2515-12000	F2015-10020	F1155-10020 F2515-10000 F2500-10000
F2005-10060	F1155-10060 F2515-10000	F2005-12045	F1155-12045 F2515-12000	F2015-10025	F1155-10025 F2515-10000 F2500-10000
F2005-10065	F1155-10065 F2515-10000	F2005-12050	F1155-12050 F2515-12000	F2015-10030	F1155-10030 F2515-10000 F2500-10000
F2005-10070	F1155-10070 F2515-10000	F2005-12055	F1155-12055 F2515-12000	F2015-10035	F1155-10035 F2515-10000 F2500-10000
F2005-12020	F1155-12020 F2515-12000	F2005-12065	F1155-12065 F2515-12000	F2015-10040	F1155-10040 F2515-10000 F2500-10000
F2005-12025	F1155-12025 F2515-12000			F2015-10050	F1155-10050 F2515-10000 F2500-10000
F2005-12030	F1155-12030 F2515-12000				
F2005-12035	F1155-12035 F2515-12000				

TABLE OF BOLT,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER
F2015-10055	F1155-10055 F2515-10000 F2500-10000				
F2015-10060	F1155-10060 F2515-10000 F2500-10000				
F2015-12025	F1155-12025 F2515-12000 F2500-12000				
F2015-12030	F1155-12030 F2515-12000 F2500-12000				

TABLE OF COMBINATION FOR REPLACEABILITY—"G"—

GRP.NO.	REF. NO.	OLD PART NO.	SUBSTITUTE PARTS				
			SUBS.PART NO.	PART NAME	QTY	GRP.NO.& REF.NO.	
32-03	25	37832-28200	37832-38200	INSULATOR,TURBO,RE.	1	32-03 25	
			37832-38100	INSULATOR,TURBO,FR.	1	32-03 24	
			37732-07300	STAY,TURBO,INSULATOR	2	32-03 34	
36-02	16	37836-36600	37836-46600	PIPE,DRAIN	1	36-02 16	
			37836-09700	SPACER	1	36-02 18	
			37836-09800	STAY,DRAIN PIPE	1	36-02 19	
			F1825-10020	BOLT,W/WASHER	1	36-02 20	
			F1035-12065	BOLT	1	36-02 25	
			F2515-12000	WASHER,SPRING	1	36-02 26	
			17	37836-36700	37836-46700	PIPE,DRAIN	1
	37836-09700	SPACER			1	36-02 18	
	37836-09800	STAY,DRAIN PIPE			1	36-02 19	
	F1825-10020	BOLT,W/WASHER			1	36-02 20	
	F1035-12065	BOLT			1	36-02 25	
	F2515-12000	WASHER,SPRING			1	36-02 26	
	51-00-01	7			37751-01100	37751-11100	CASE,THERMOSTAT
			37751-02100	COVER,THERMO		1	51-00-01 17
37751-02200			PACKING	1		51-00-01 18	
F1805-10025			BOLT,W/WASHER	6		51-00-01 19	
61-01	13	37761-57201	37761-67200	LEVER,L.H	1	61-01 13	
			34A48-02100	WASHER	1	61-01 2	
			37432-06800	SPACER	1	61-01 15	
			37763-35900	LEVER,L.H	1	63 26	
68-00-01	18	37768-02700	37768-12700	STAY,COVER	1	68-00-01 18	
			F1035-12045	BOLT	1	68-00-01 7	
			37768-12800	STAY,COVER	1	68-00-01 20	
			F2500-12000	WASHER	1	68-00-01 25	

