

mitsubishi
DIESEL ENGINE
S16R-Y2PTAW2

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	Y2PTAW2	For industrial use, turbocharged engine with after-cooler	12790-UP

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

Y2PTAW-K : S16R-Y2PTAW2,without separate shipment parts.

Y2PTAW-M : S16R-Y2PTAW2,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 / R D
					PTAW2K	PTAW2M	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
NO.	NUMBER	TEMP	TEMPERATURE
OPT	OPTION	TERM	TERMINAL
O/D	OVER DRIVE	T/CONV	TORQUE-CONVERTER
O.S	OVERSIZE	T/F	TRANSFER
PTO	POWER TAKE-OFF	T/M	TRANSMISSION
P/S	POWER STEERING	T/HSG	TURBINE-HOUSING
PRESS	PRESSURE	T/C	TURBOCHARGER
P/N	PART NUMBER	T=	THICKNESS
QTY	QUANTITY	U/BODY	UNDERBODY
RAD	RADIATOR	U.S	UNDERSIZE
RE	REAR	UNIV	UNIVERSAL
REG	REGULATOR	VAC	VACUUM
REV	REVERSE	VENT	VENTILATOR
R.H	RIGHT HAND	W/STRIP	WEATHERSTRIP
REF.NO.	REFERENCE	W/	WITH
R/N	REFERENCE	W/O	WITHOUT
S/PMP	SEA WATER PUMP	W/W	WOODWARD
SECT	SECTION	W/PMP	WATER PUMP
S/MBR	SIDEMEMBER	W=	WIDTH
		Z=	NUMBER OF GEAR TEETH

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

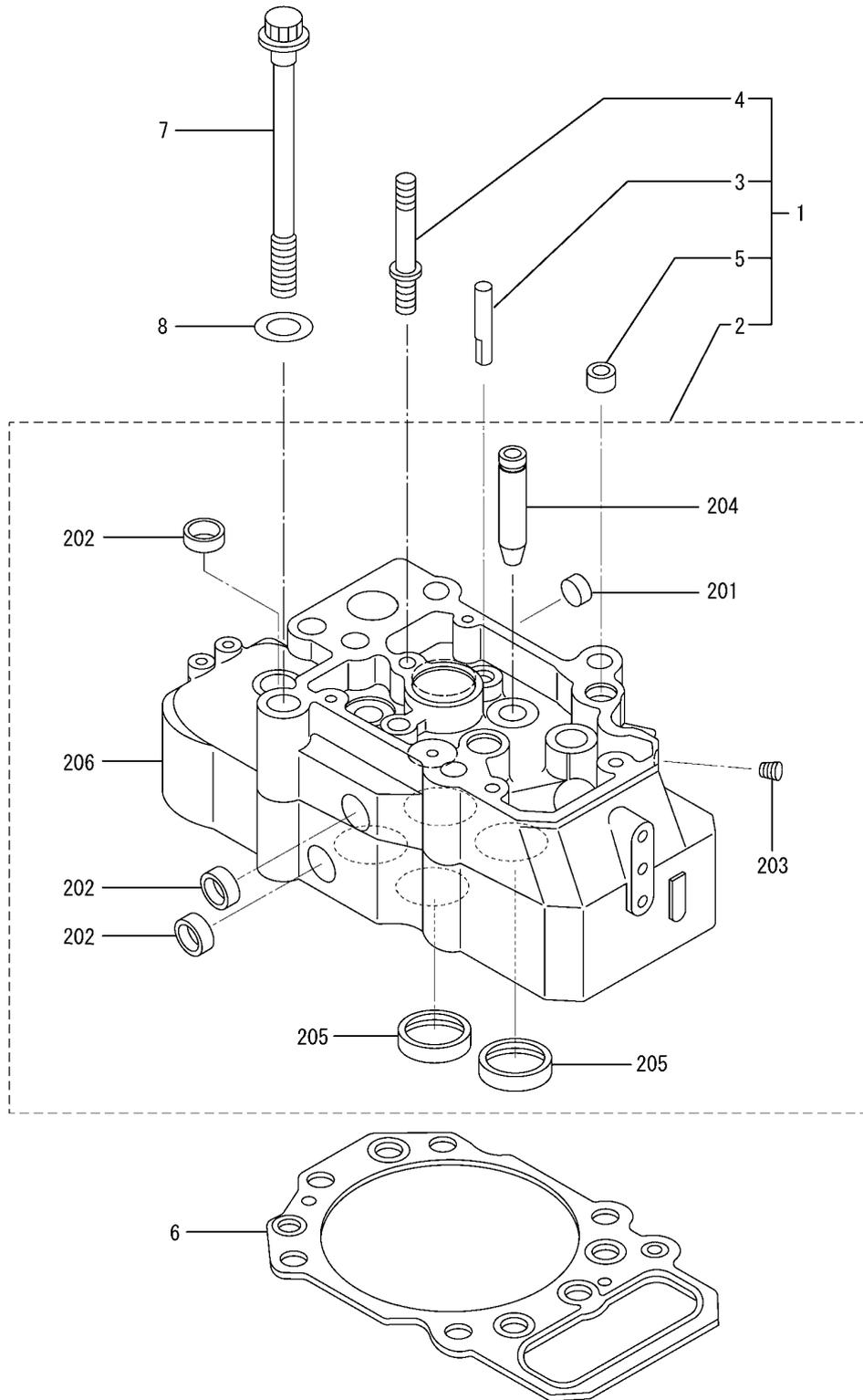
GROUP NO.	GROUP NAME	PAGE
ENGINE BODY		
01	CYLINDER HEAD	2
04	VALVE MECHANISM & ROCKER COVER	4
05	CAMSHAFT	6
07-00-01	CRANKCASE (CASE ASSY)	8
07-00-02	CRANKCASE (CYLINDER LINER)	10
07-01-01	CRANKCASE PARTS (SIDE COVER)	12
07-01-02	CRANKCASE PARTS (OIL JET & DRAIN)	14
09	MAIN BEARING	16
11	TIMING GEAR CASE	18
13	OIL PAN	20
14	ENGINE MOUNTING	22
17	PISTON	24
19	CONNECTING-ROD	26
20	CRANKSHAFT	28
21	FLYWHEEL	30
22	DAMPER	32
23	TIMING GEAR	34
25	ACCESSORY DRIVE (FRONT)	36
25-01	TACHO DRIVE	40
25-03	ACCESSORY DRIVE (REAR)	42

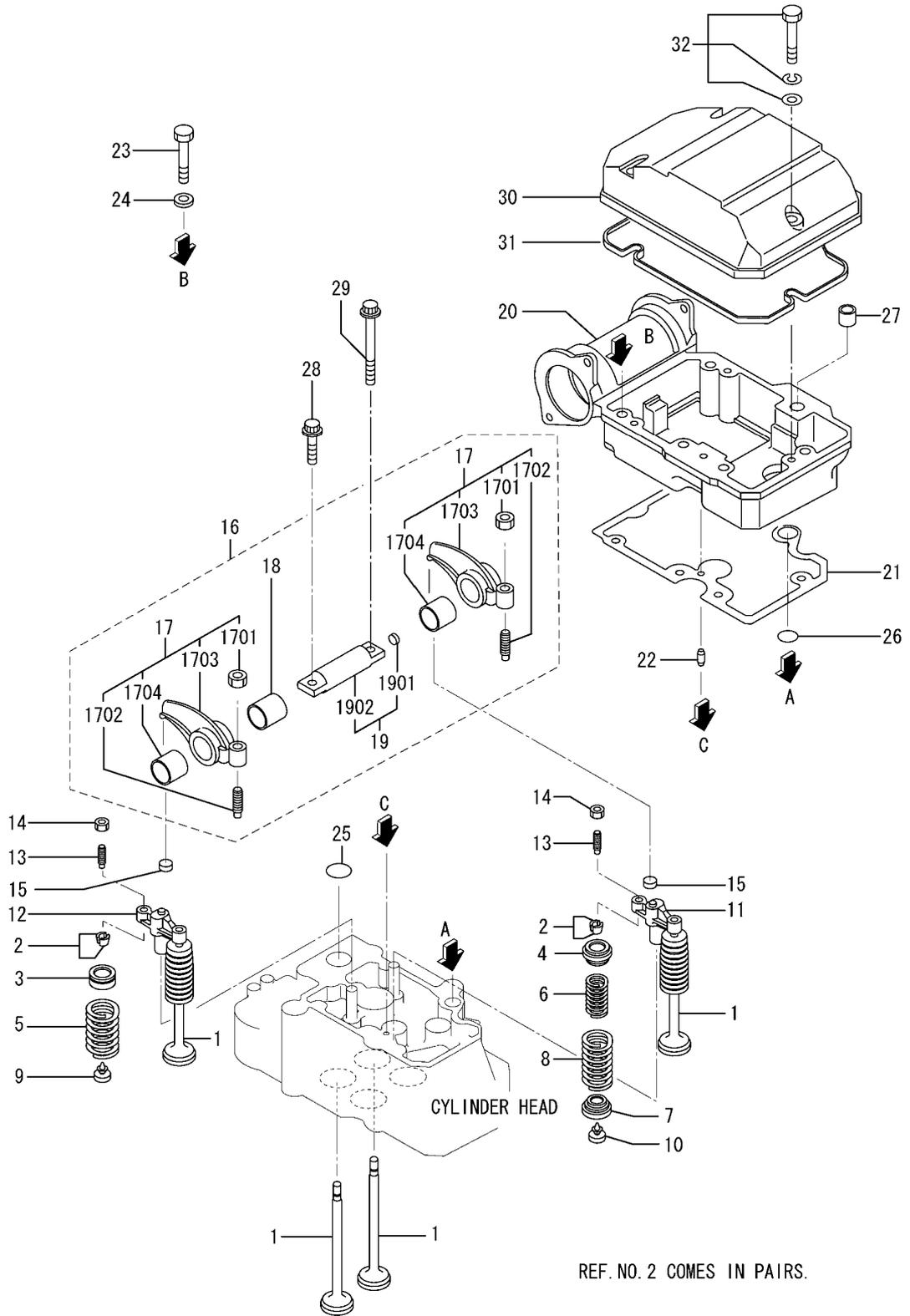
GROUP NO.	GROUP NAME	PAGE
25-05	HOUR METER & TACHO METER	44
INLET & EXHAUST SYSTEM		
30	INLET SYSTEM	46
30-05	AIR HEATER	48
32	EXHAUST SYSTEM (MANIFOLD)	50
32-01	EXHAUST SYSTEM (PIPE)	52
32-03	EXHAUST COVER	54
33-00-01	TURBOCHARGER GENERAL	58
33-00-02	TURBOCHARGER (MODEL TD13M-45Q22VRC-34)	60
33-00-03	TURBOCHARGER (MODEL TD13M-45Q22VRC-29)	62
OIL SYSTEM		
35	OIL PUMP	64
36	OIL STRAINER PIPING	66
36-01	OIL FILTER PIPING	68
36-02	OIL SYSTEM PARTS	70
39-00-01	OIL COOLER, R. H	72
39-00-02	OIL COOLER, L. H	74
40-00-01	OIL FILTER GENERAL	76
40-00-02	OIL FILTER ASSY (PAPER-ELEMENT TYPE)	78
40-00-03	OIL FILTER (SEPARATED B/P FILTER PIPING)	80
42	OIL FILLER	82
42-05	OIL LEVEL GAGE	84
43	BREATHER	86

GROUP NO.	GROUP NAME	PAGE
COOLING SYSTEM		
45	WATER PUMP	88
46-01-01	COOLING SYSTEM (THERMOSTAT)	90
46-01-02	COOLING SYSTEM (PIPING)	92
48	FAN	94
51-00-01	SEA WATER COOLING (THERMOSTAT)	96
51-00-02	SEA WATER COOLING (OUTER PIPING)	98
51-00-03	SEA WATER COOLING (INNER PIPING)	102
53-00-01	SEA WATER PUMP GENERAL	104
53-00-02	SEA WATER PUMP	106
55	AIR COOLER	108
FUEL SYSTEM		
61-00-01	FUEL INJECTION PUMP GENERAL	110
61-00-02	INJECTION PUMP, L. H	112
61-00-03	INJECTION PUMP, R. H	118
61-01	FUEL RACK CONTROL	124
61-02-01	NOZZLE ASSY (SPRAY HOLE DIAMETER:0.31MM)	128
61-02-02	FUEL SYSTEM	130
61-02-03	NOZZLE ASSY (SPRAY HOLE DIAMETER:0.29MM)	134
61-03	LEAK OFF PIPE	136
62	FUEL FILTER	138
62-01-01	FUEL FILTER PIPING (FEED PUMP LINE)	140
62-01-02	FUEL FILTER PIPING (INJ PUMP LINE)	142

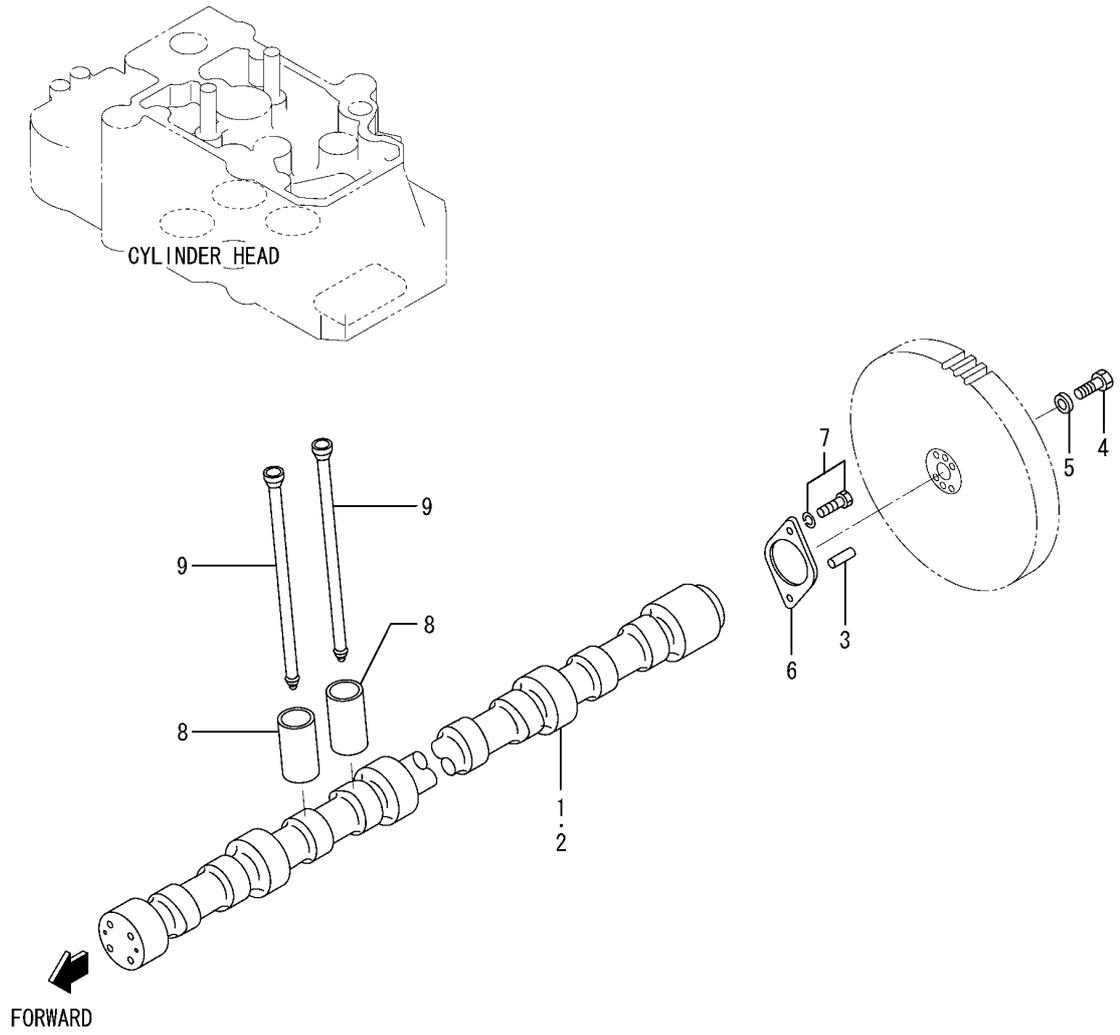
GROUP NO.	GROUP NAME	PAGE
62-01-03	PRIMING PUMP ASSY	144
63	GOVERNOR	146
STARTING SYSTEM		
66	STARTER (24V-7.5KW)	148
68-00-01	ALTERNATOR GENERAL	150
68-00-02	ALTERNATOR (24V-30A)	152
TURNING GEAR		
71	TURNING GEAR	154
CONTROL SYSTEM		
87-05	STOP SYSTEM	156
INSTRUMENT		
92-01	METER & SENSOR	158
NAME PLATE		
93	NAME PLATE	160
NUMERICAL PARTS INDEX		C1
TABLE OF BOLT,W/WASHER		D1
TABLE OF COMBINATION FOR REPLACEABILITY		E1

01 CYLINDER HEAD



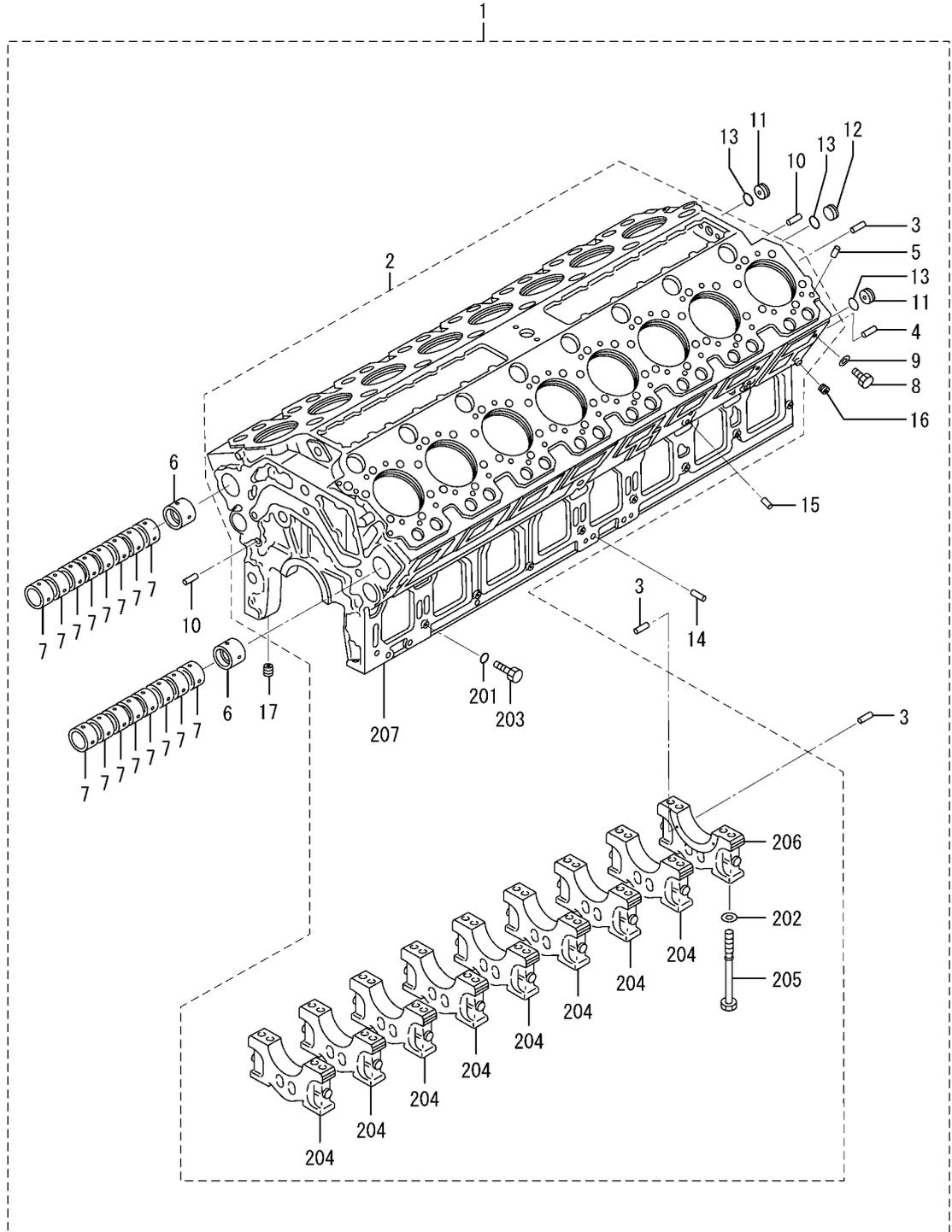


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37504-30200			VALVE	64	64					
2	32504-00400			COTTER	128	128				A	
3	37504-00300			ROTATOR	32	32					
4	37504-01300			ROTATOR, UPPER	32	32					
5	37504-10400			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					
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				A	
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)

- 8-

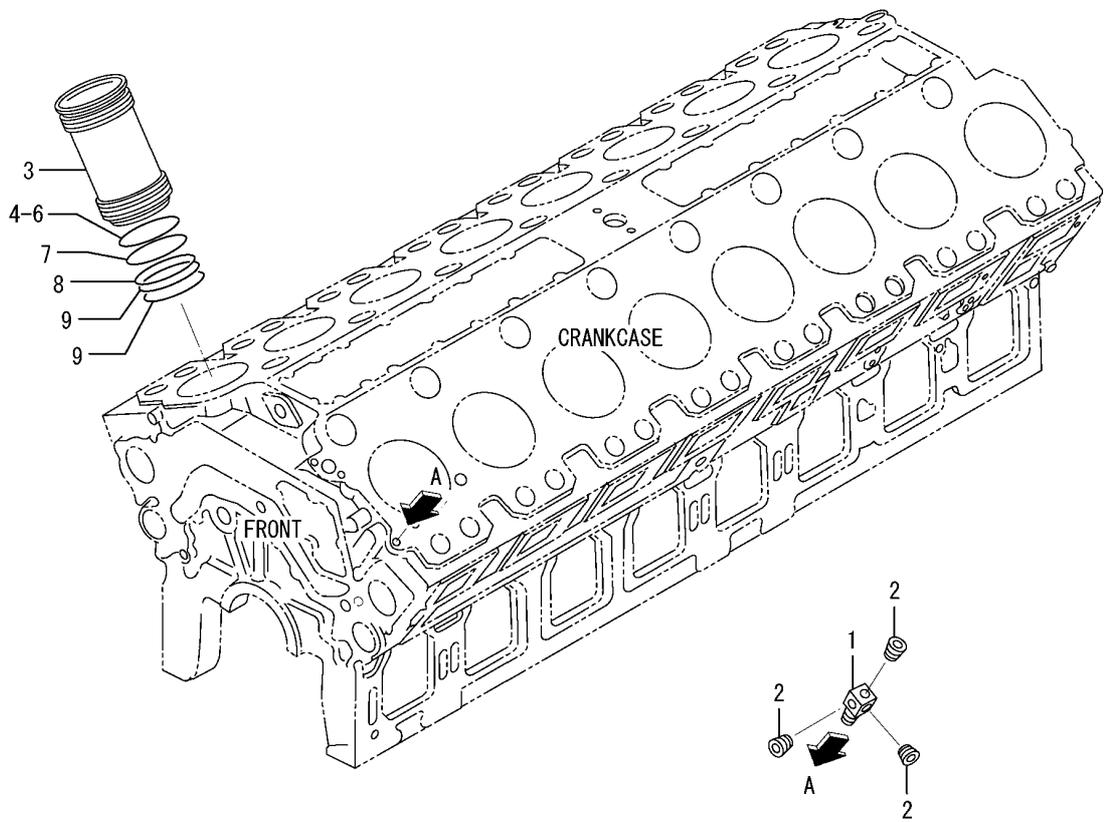


07-00-01 CRANKCASE (CASE ASSY)

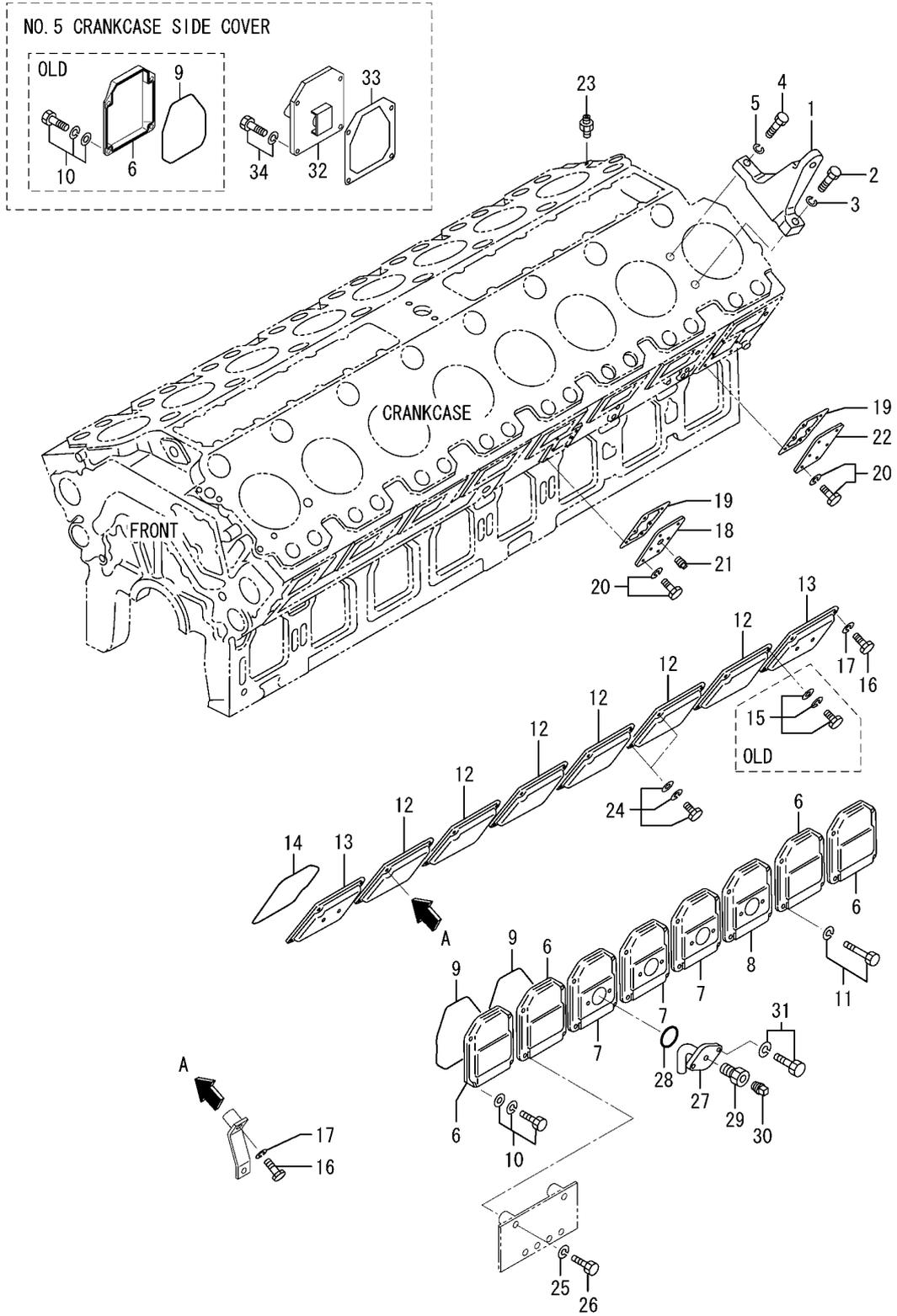
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37807-50012		C	CRANKCASE ASSY	1	1					
	37807-70010	3	1	C CRANKCASE ASSY	1	1			-013006		
	37807-70011	3	2	CRANKCASE ASSY	1	1			@013463		V
2	*			CRANKCASE 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)

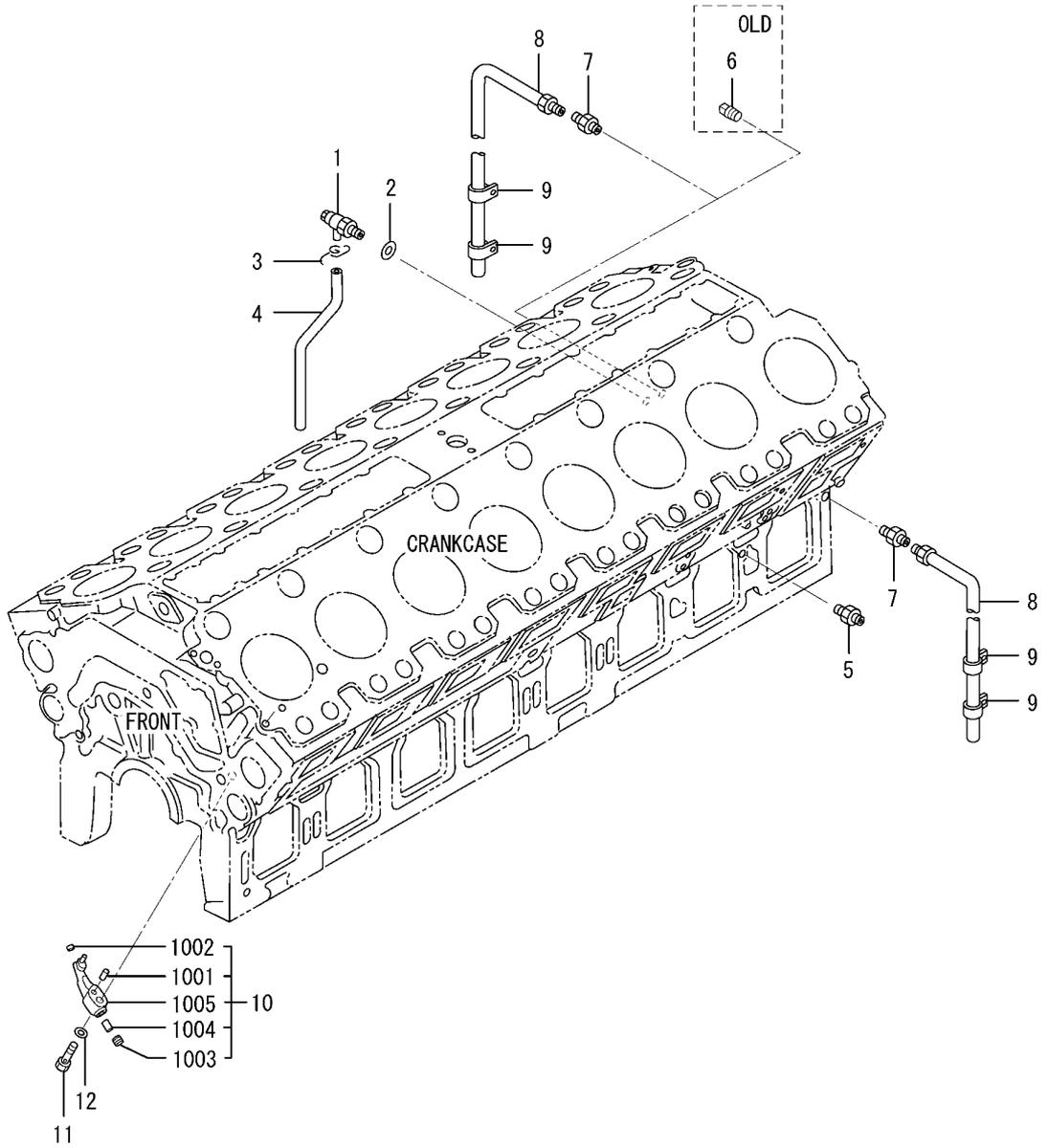


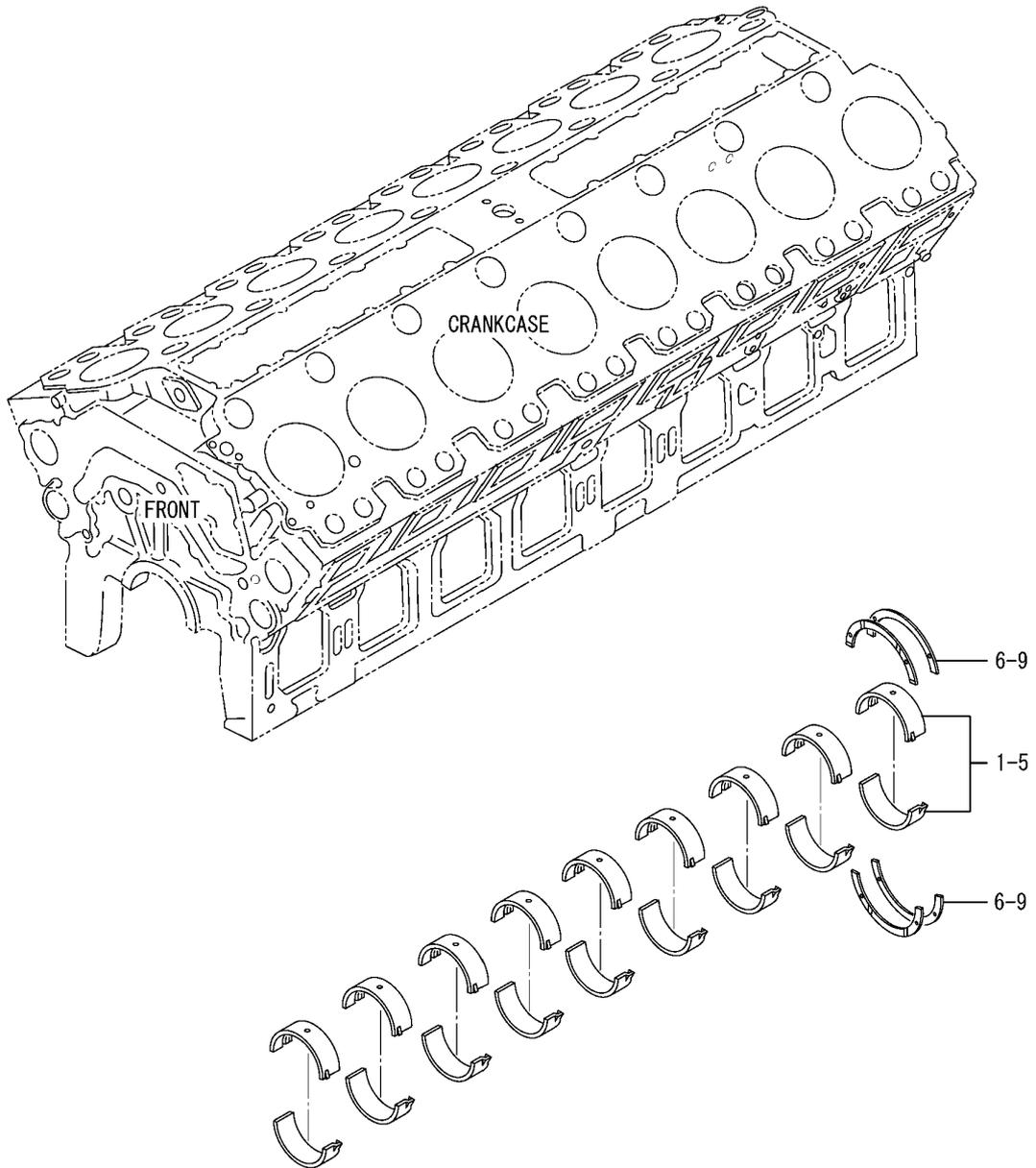
07-01-01 CRANKCASE PARTS
(SIDE COVER)

- 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
					PTAW2K	PTAW2M		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	12	12					
	37507-27100	1		COVER, SIDE	10	10		013269-	-013268		
7	37507-27200		Q	COVER, SIDE	3	3					
	37507-27200	1		COVER, SIDE	4	4		013269-	-013268		
8	37807-17200			COVER, SIDE	1	1					
9	37507-37300		Q	O-RING	16	16					A
	37507-37300	1	C	O-RING	15	15		012813-	-013391		A
	37507-16400	3	2	O-RING	15	15		012813-			A V
10	F1825-12030		Q	BOLT, W/WASHER B/W	58	58					A
	F1825-12030	1	Q	BOLT, W/WASHER B/W	56	56		013045-	-013268		A
11	F1825-12030		2	BOLT, W/WASHER B/W	52	52		013269-			A
	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					A
											-013273
15	37507-16500	3	1	O-RING	16	16					A V
16	F1825-12030		D	BOLT, W/WASHER B/W	26	26					A
	F1035-12065		Q	BOLT	4	4					A
	F1035-12065	1		BOLT	6	6		013269-	-013268		A
17	F2515-12000		Q	WASHER, SPRING	4	4					A
											-013268
18	F2515-12000		1	WASHER, SPRING	6	6		013269-			A
19	37807-06400			COVER	2	2					
20	37807-16200			PACKING	4	4					A
21	F1805-12025			BOLT, W/WASHER B/W	24	24					A
22	F5006-21000			PLUG, TAPERED	2	2					A
23	37807-06100			COVER	2	2					
24	F4540-12000			CONNECTOR	1	1					
	F1825-12025		Q	BOLT, W/WASHER B/W	32	32					A
	F1825-12025	1	Q	BOLT, W/WASHER B/W	60	60		012813-	-013268		A
	F1825-12025	2		BOLT, W/WASHER B/W	58	58		013269-			A
25	F2515-12000			WASHER, SPRING	4	4					A
26	F1035-12075			BOLT	4	4					A
27	47510-51700		A	CONNECTOR	1	1		012840-			V
28	05507-20550		A	O-RING	1	1		012840-			A V
29	64393-46700		A	CONNECTOR	1	1		012840-			V
30	F5006-10000		A	PLUG, TAPERED	1	1		012840-			A V
31	F1805-10025		A	BOLT, W/WASHER B/W	2	2		012840-			A V
32	37807-07300		A	COVER, SIDE BREATHER	1	1		013269-			V
33	37707-17200		A	PACKING, SIDE COVER	1	1		013269-			A V
34	F1805-12030		A	BOLT, W/WASHER B/W	4	4		013269-			A V

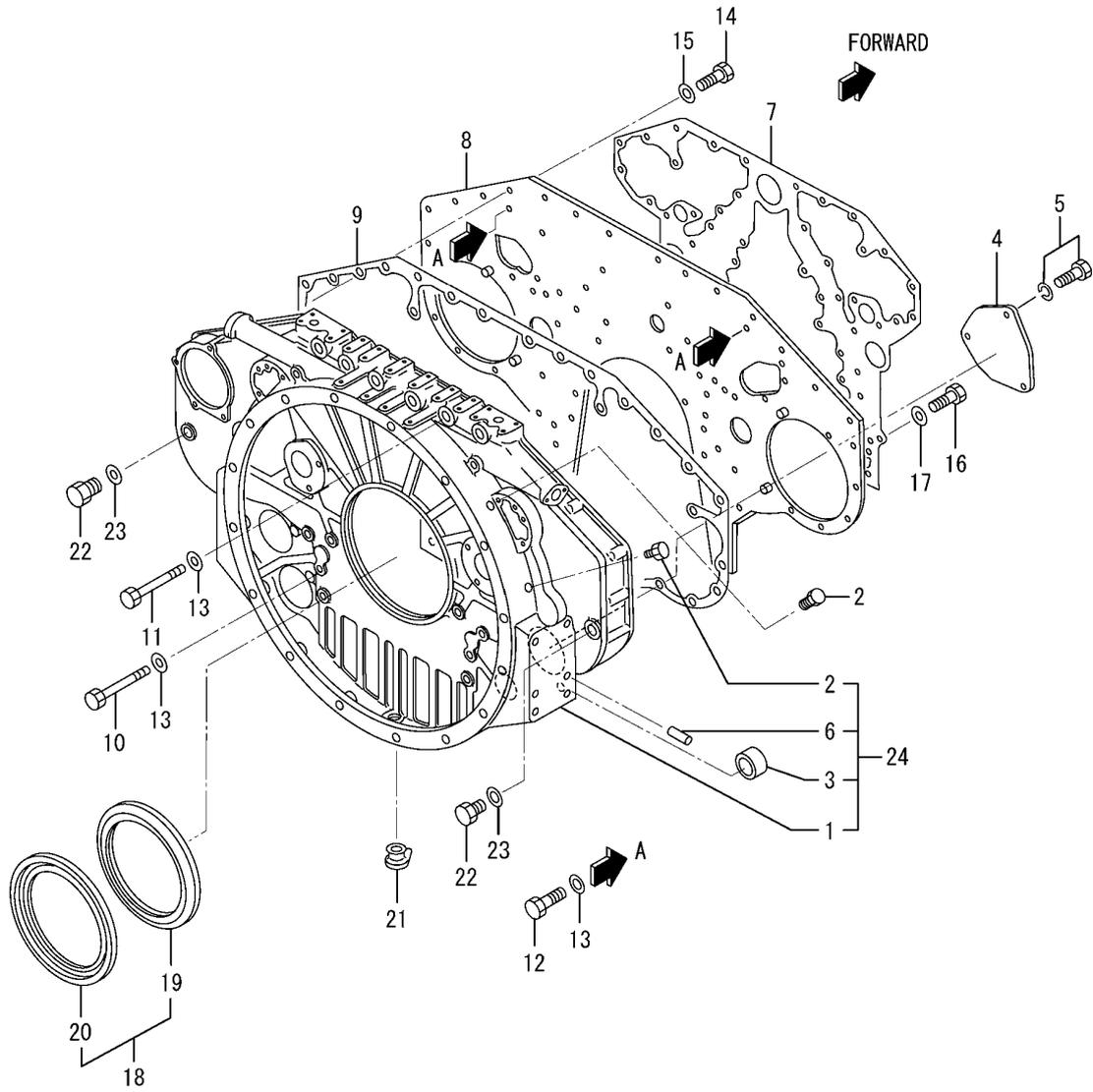
07-01-02 CRANKCASE PARTS (OIL JET & DRAIN)



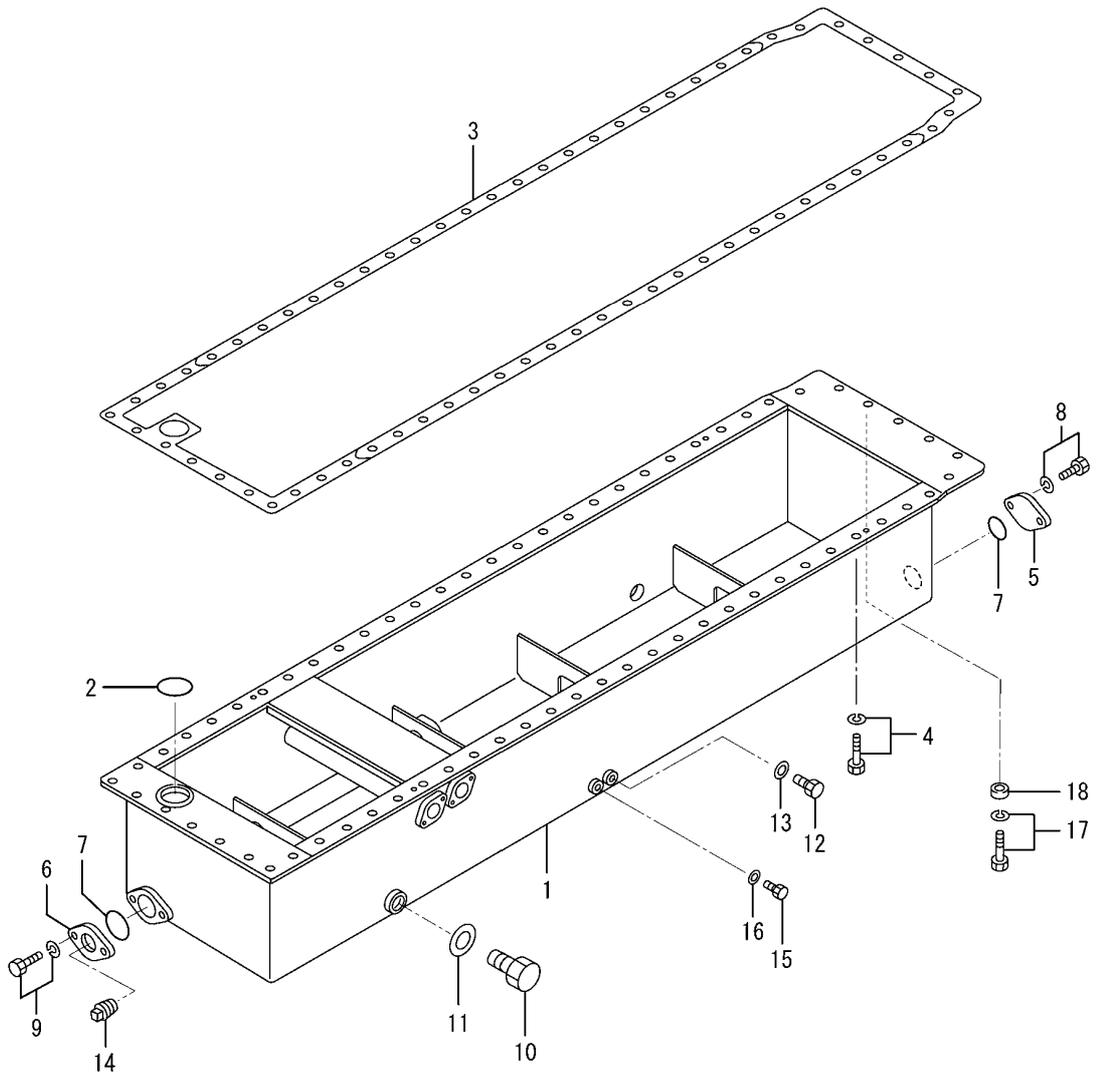


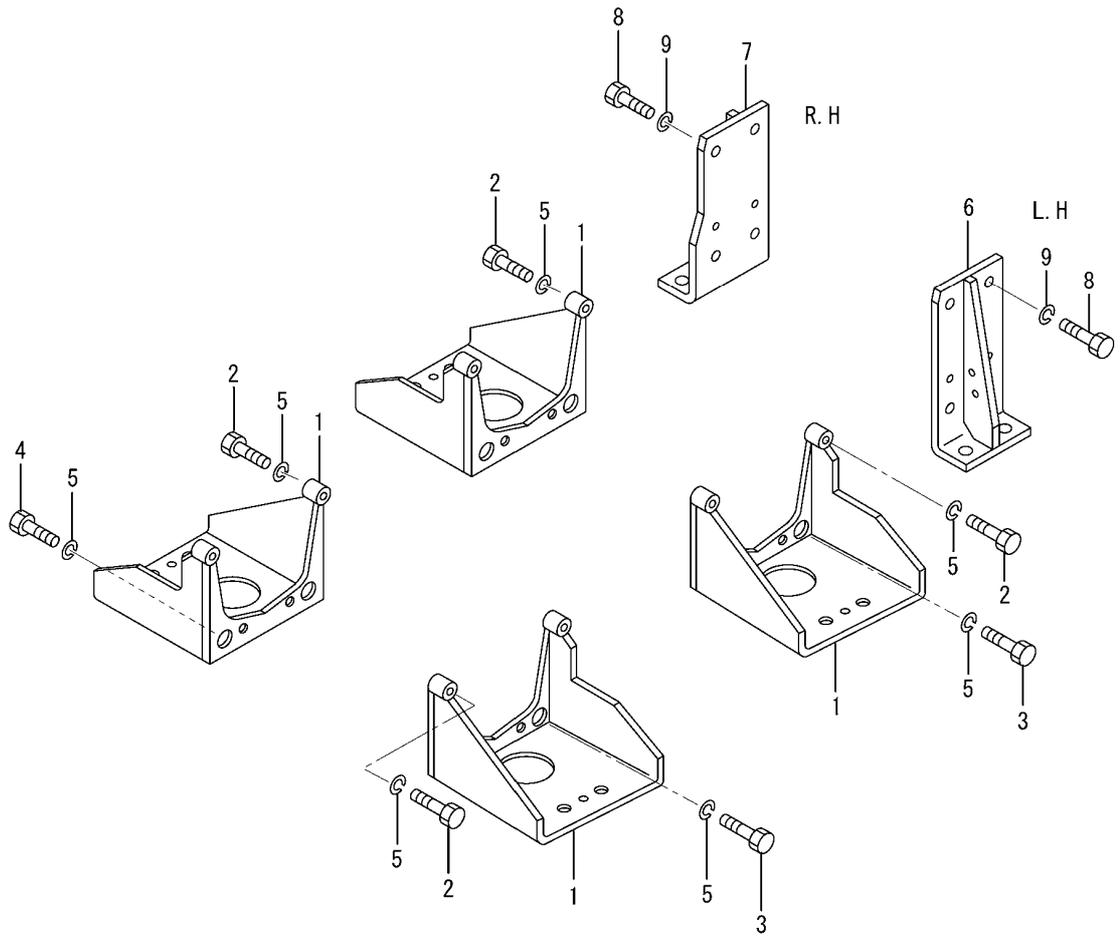
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION		MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37709-12010			BEARING SET, MAIN	STD	9	9					A
2	37709-12020			BEARING SET, MAIN	U. S 0. 25	9	9					A
3	37709-12030			BEARING SET, MAIN	U. S 0. 50	9	9					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



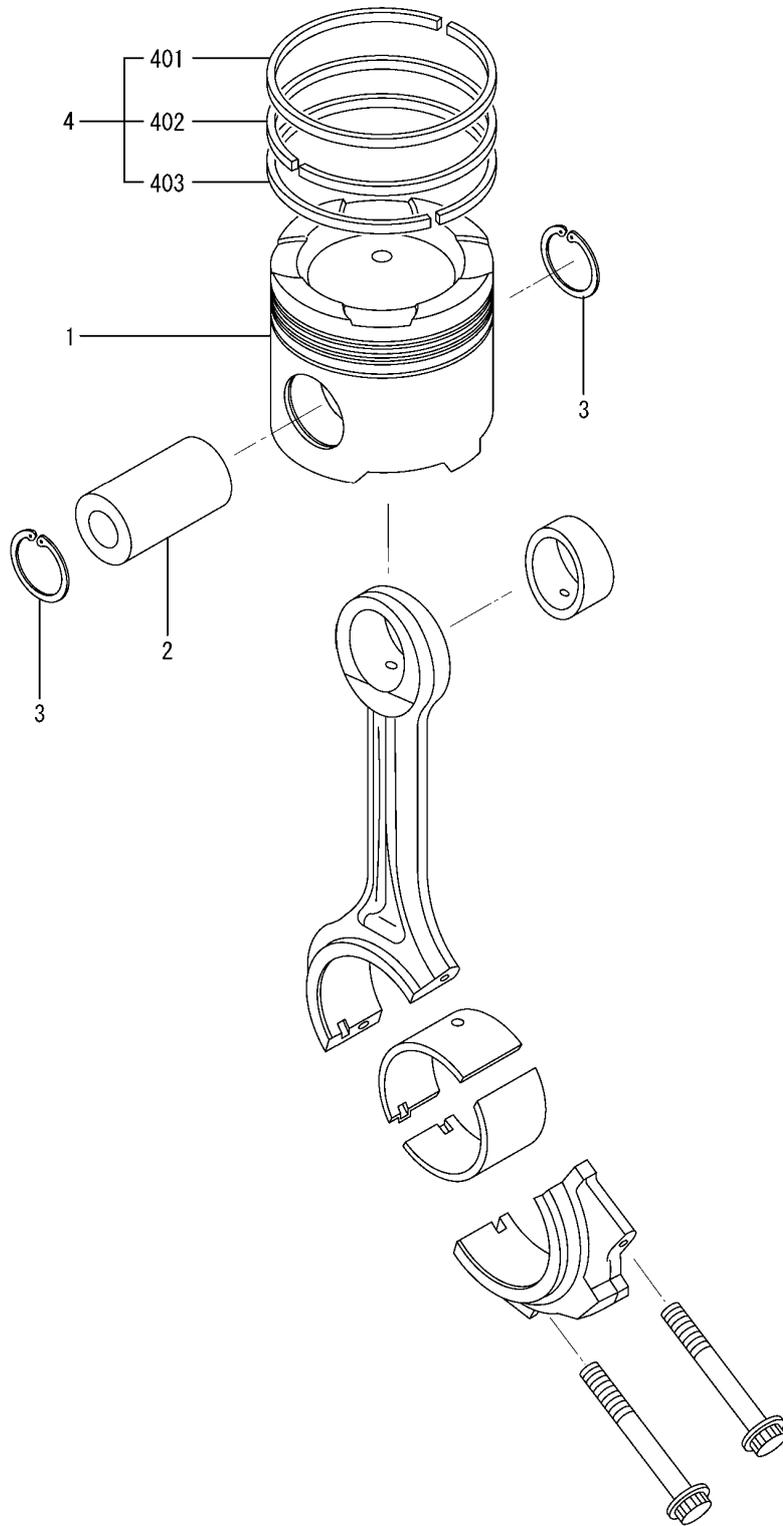
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	*			CASE, TIMING GEAR	1	1					
2	37411-02300			PLUG	2	2				A	
3	05605-05030		C	BUSHING	1	1		@013490			V
	05660-05030	3	1	BUSHING	1	1					
4	37766-03200			COVER	1	1					
5	F1805-12020			BOLT, W/WASHER	B/W	3	3			A	
6	F2846-18000			PIN, DOWEL		4	4			A	
7	37711-10200			PACKING, REAR		1	1			A	
8	37711-45300			PLATE, REAR		1	1				
9	37711-25400			PACKING		1	1			A	
10	05978-16155			BOLT		10	10			A	
11	05978-16115			BOLT		6	6			A	
12	F1035-16030			BOLT		2	2			A	
13	31201-71800			WASHER		18	18			A	
14	F1035-12025			BOLT		34	34			A	
15	37525-07901			WASHER		34	34			A	
16	F1035-12025			BOLT		10	10			A	
17	37525-07901			WASHER		10	10			A	
18	*			SEAL ASSY, OIL	REAR	1	1				
19	37411-04200			SLINGER		1	1				
20	37711-04300			SEAL, OIL		1	1			A	
21	30912-01400			PLUG		1	1			A	
22	F5000-20000			PLUG, DRAIN		2	2			A	
23	05946-02001			WASHER, SEALING		2	2			A	
24	37711-06030		C	CASE ASSY, TIMING		1	1		@013490		V
	37711-06031	3	1	C CASE ASSY, TIMING		1	1		@013500		V
	37711-06032	3	2	CASE ASSY, TIMING		1	1				V

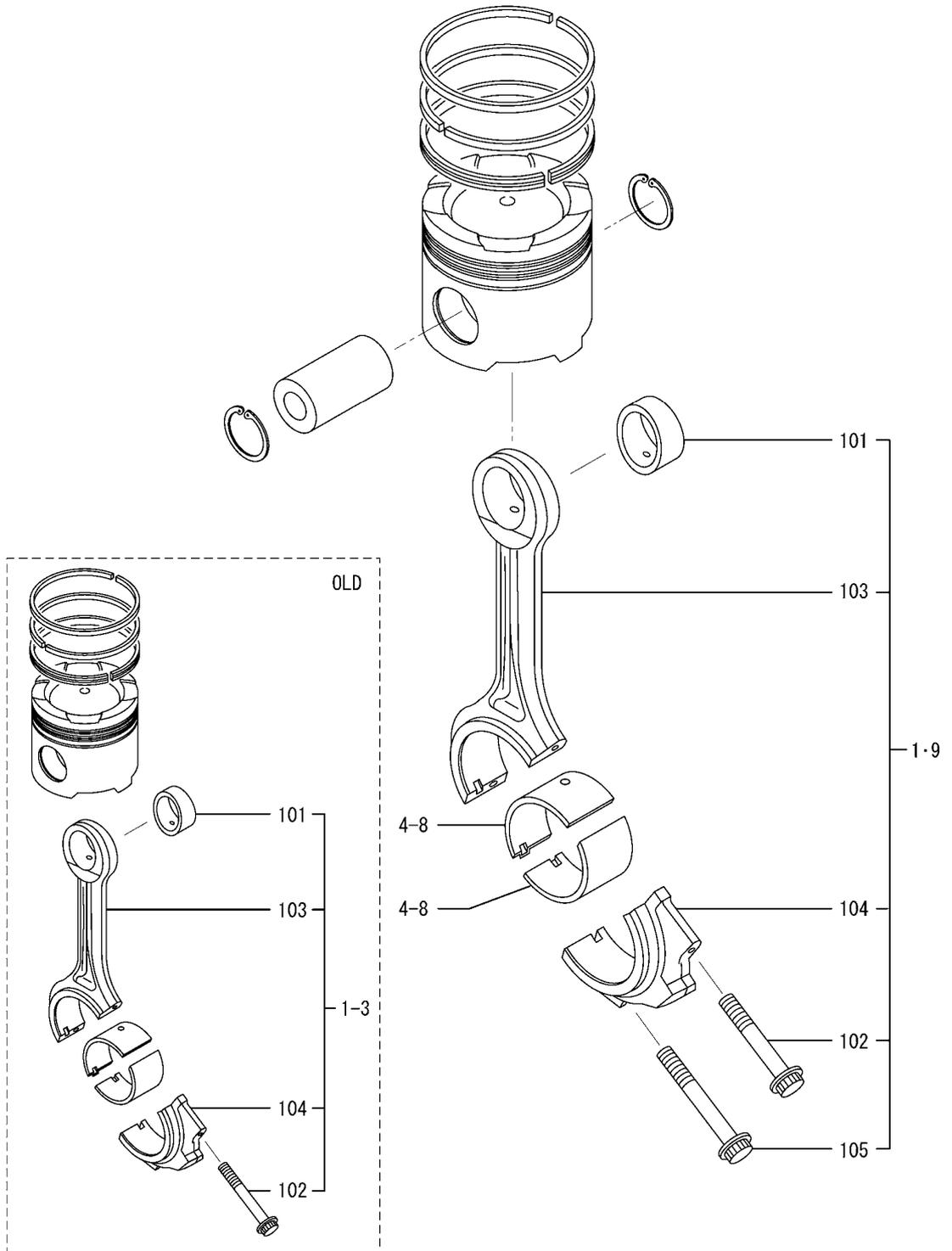




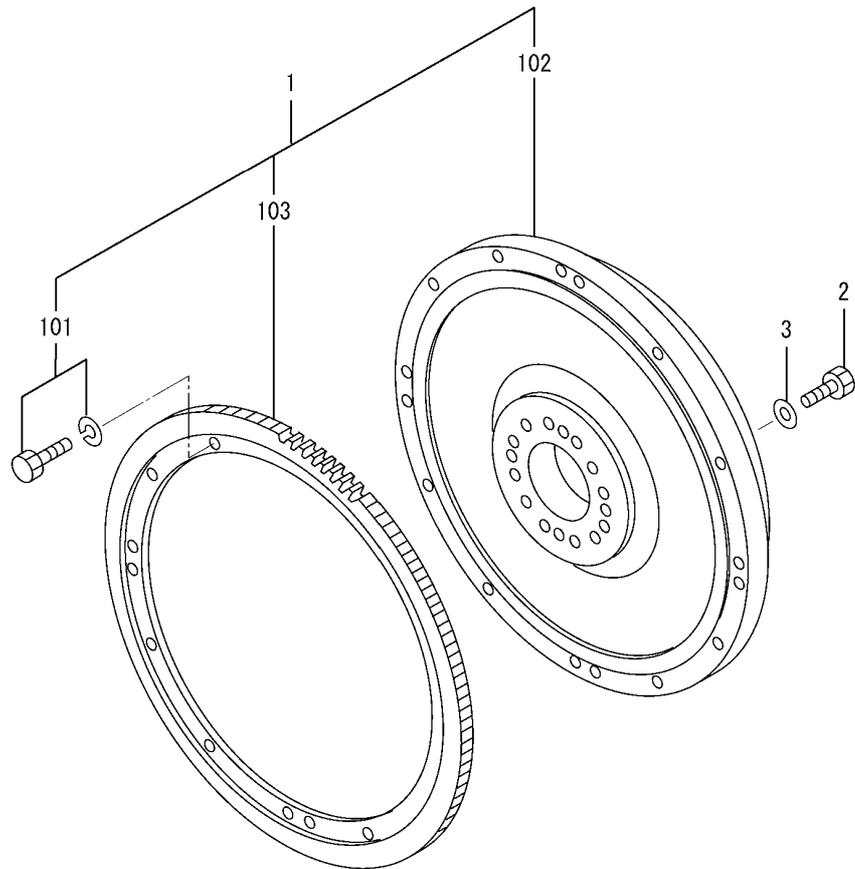
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37714-20100			BRACKET, MOUNTING	FRONT	4	4				
2	F1035-20080			BOLT		8	8			A	
3	F1035-20050			BOLT		7	7			A	
4	F1035-20035			BOLT		1	1			A	
5	F2515-20000			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	

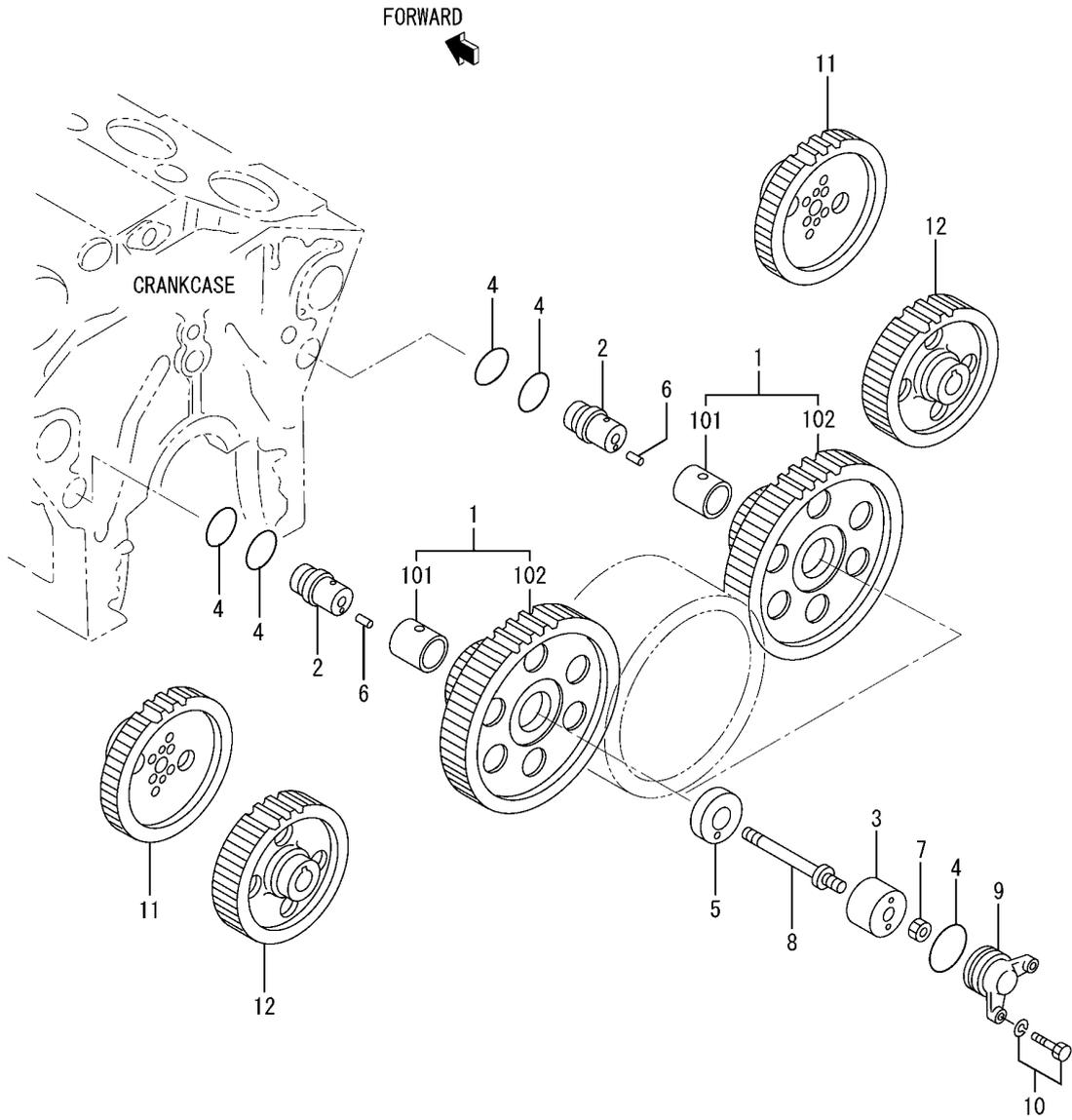
PISTON





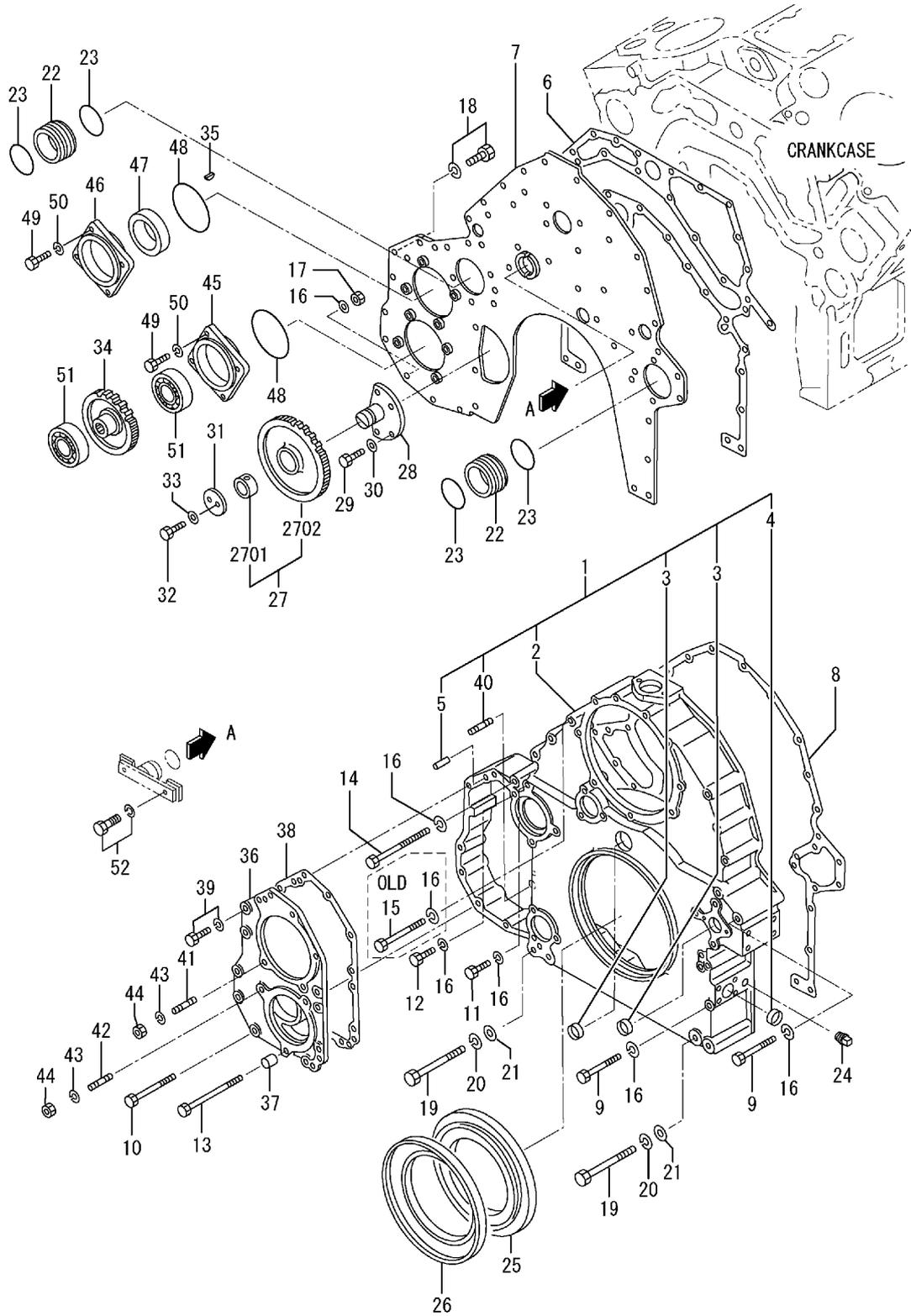
REF. -NO.	PART NO.	R / P	S EN G	C G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37820-30011			C	CRANKSHAFT ASSY	1	1			-013300		
	37820-03010	R	1	C	CRANKSHAFT ASSY	1	1			-013300		V
	37820-03011	3	2		CRANKSHAFT ASSY	1	1					V
2	*				CRANKSHAFT SUB ASSY	1	1					
2 01	F2846-05000	C			PIN, DOWEL	1	1			-012812	A	
	37820-04500	N	1	C	PIN, DOWEL	1	1		012813-		A	V
	37820-04501	R	2		PIN, DOWEL	1	1		012813-		A	V
2 02	F2846-20000	C			PIN, DOWEL	16	16			-012812	A	
	37820-04700	N	1	C	PIN, DOWEL	16	16		012813-		A	V
	37820-04701	R	2		PIN, DOWEL	16	16		012813-		A	V
2 03	33320-04701	C			PIN, DOWEL	2	2			-012812	A	
	37820-04600	N	1		PIN, DOWEL	2	2		012813-		A	V
2 04	37420-10300	C			BOLT	32	32			-012812	A	
	37820-04300	N	1	C	BOLT	32	32		012813-		A	V
	37820-04301	R	2		BOLT	32	32		012813-		A	V
2 05	*				WEIGHT, BALANCE	15	15					
2 06	*				WEIGHT, BALANCE	1	1					
2 07	37723-10101	C			GEAR, CRANKSHAFT	1	1			-012812		
	37823-05100	N	1		GEAR, CRANKSHAFT	1	1		012813-			V
2 08	37725-12102	C			GEAR, CRANKSHAFT	1	1			-012812		
	37825-02100	N	1		GEAR, CRANKSHAFT	1	1		012813-			V
2 09	*				CRANKSHAFT	1	1					
2 10	33707-11701	C			WASHER	32	32			-012812	A	
	37820-04400	N	1	C	WASHER	32	32		012813-		A	V
	37820-04401	R	2		WASHER	32	32		012813-		A	V
3	37820-00500				PIN, DOWEL	2	2					
4	45325-91801	D			PULLEY, CRANKSHAFT	1	1			-012812		





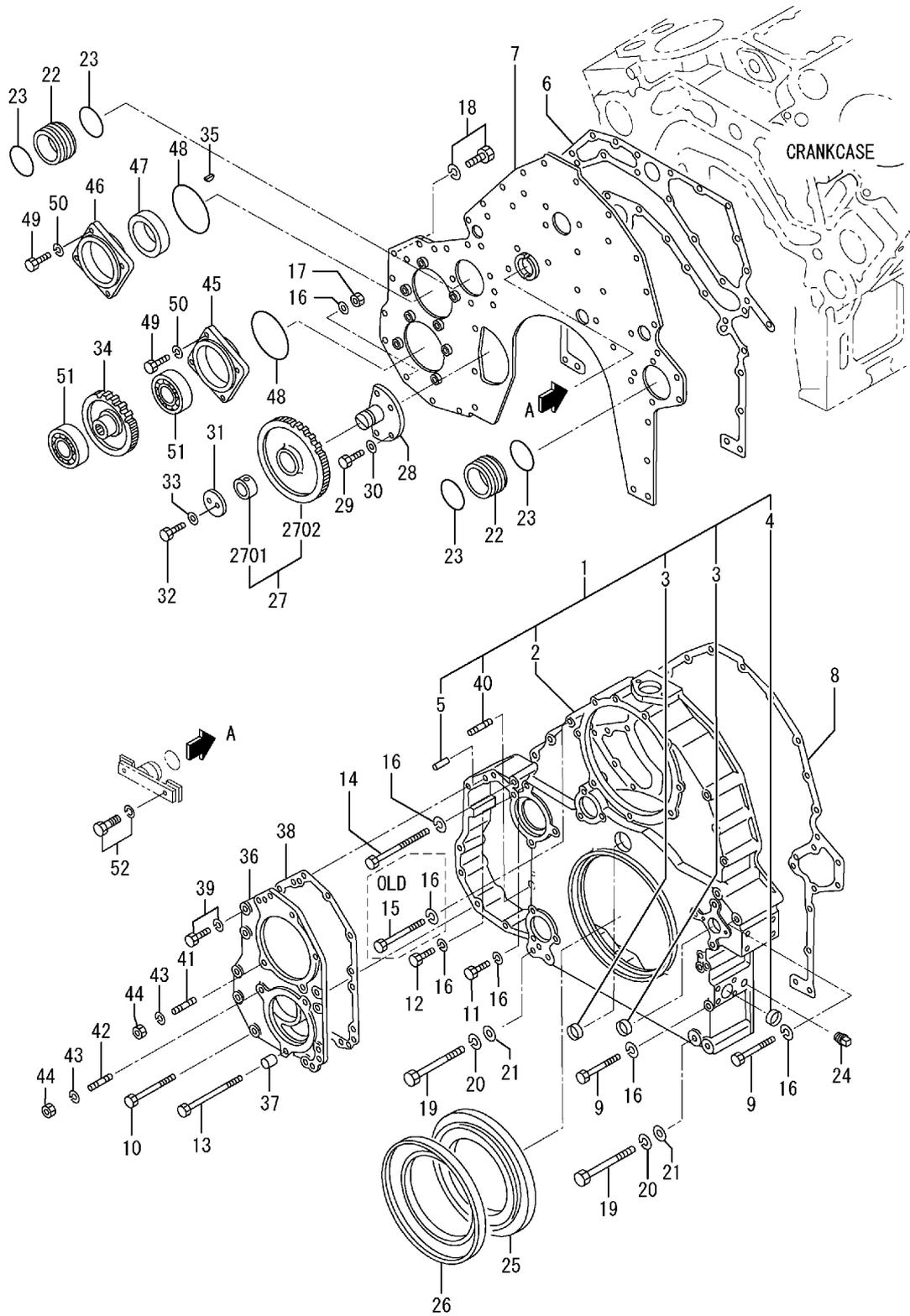
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION		MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37723-03030			GEAR ASSY, IDLER	Z=32 & 80	2	2					
1 01	37723-03300			BUSHING		2	2					
1 02	*			GEAR, IDLER		2	2					
2	37823-03600			SHAFT, IDLER		2	2					
3	37723-04601			COLLAR, THRUST		2	2					
4	05507-20600			O-RING		6	6					A
5	37823-03800			PLATE, THRUST		2	2					
6	F2846-08000			PIN, DOWEL		2	2					A
7	37723-04400			NUT, JAM		2	2					
8	37723-14700			BOLT, IDLER		2	2					
9	37723-04900			COVER		2	2					
10	F1805-12030			BOLT, W/WASHER	B/W	4	4					A
11	37723-11100			GEAR, CAMSHAFT	Z=60	2	2					
12	37723-12100			GEAR, INJ PUMP	Z=60	2	2					

ACCESSORY DRIVE(FRONT)



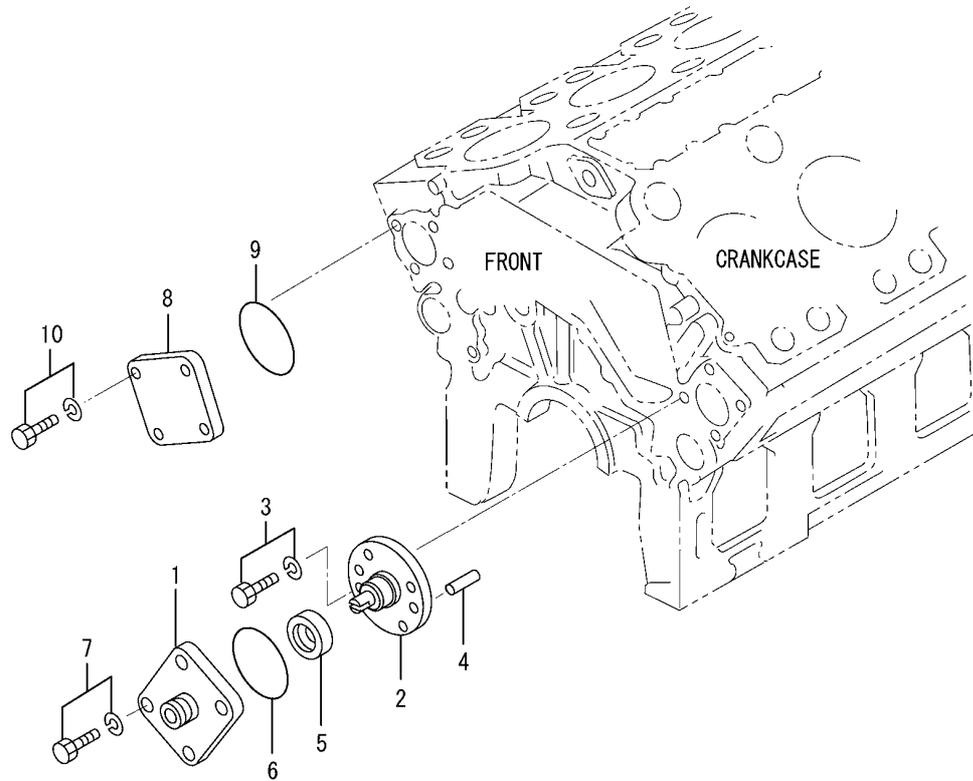
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37725-41010		C	CASE ASSY, FRONT GEAR	1	1			-013065		
2	37725-41011	3	1	CASE ASSY, FRONT GEAR	1	1					V
3	*			CASE, FRONT GEAR	1	1					
3	04826-25000		Q	CAP, SEALING	1	1			-013065		
	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			-013273		A
	F1035-12130	1		BOLT	4	4		013274-			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			-013273		A
16	F2515-12000		Q	WASHER, SPRING	18	18			-013273		A
	F2515-12000	1		WASHER, SPRING	16	16		013274-			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	F5005-10001			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

ACCESSORY DRIVE(FRONT)

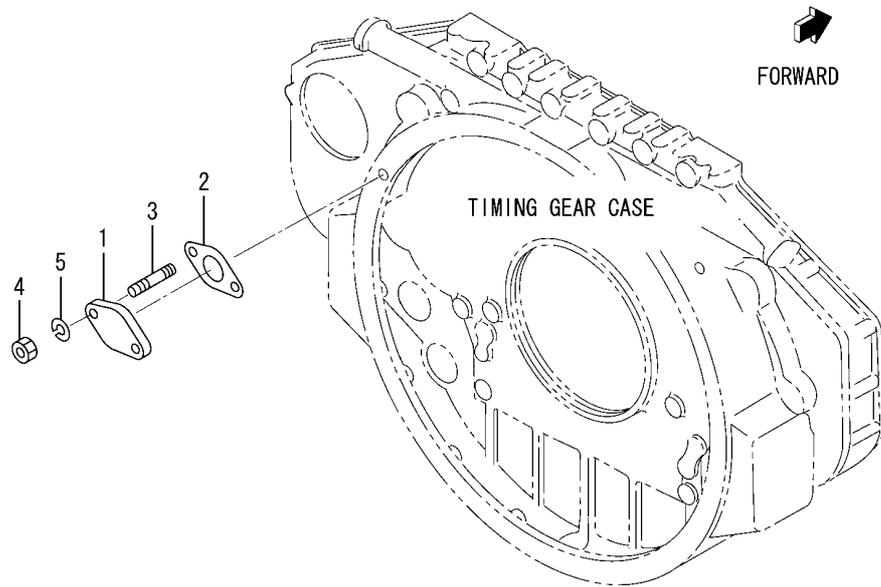


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION		MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
45	37725-00801			COVER, BEARING	OIL PUMP	1	1					
46	37725-10900			COVER, BEARING	WATER PUMP	1	1					
47	F3015-06523			SEAL, OIL		1	1					A
48	05507-21250			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

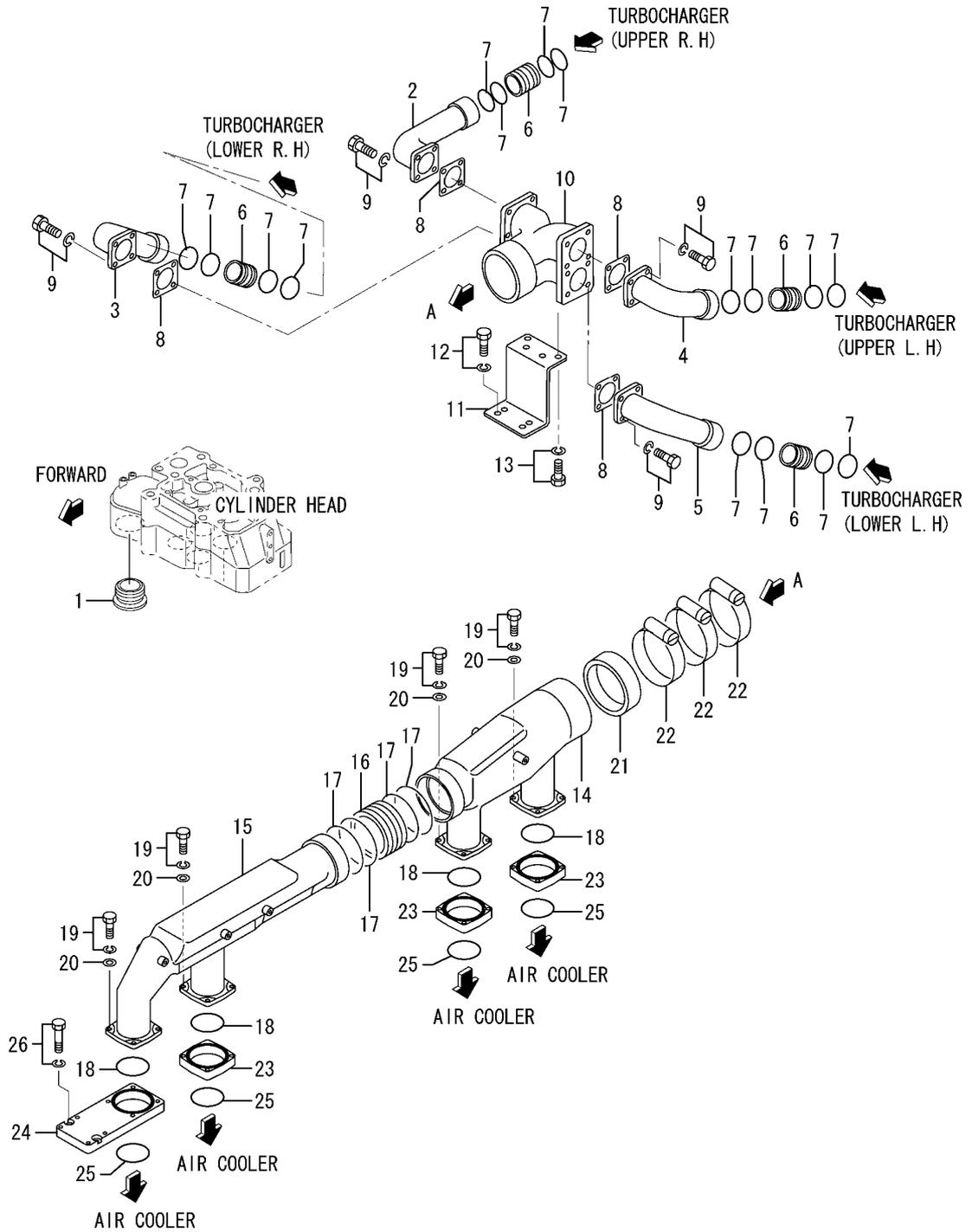
25-01 TACHO DRIVE



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37525-63100			CASE, DRIVE	R. H	1	1				
2	37525-16900			CASE, DRIVE	L. H	1	1				
3	F1035-12050			BOLT		1	1				A
4	F1035-12045			BOLT		9	9				A
5	37725-15300			SHAFT, DRIVE		1	1				
6	37725-08400			SHAFT, DRIVE		1	1				
7	37725-08500			GEAR, DRIVE		1	1				
8	34A25-06400			PIN, SHAFT		2	2				
9	34A25-06500			PIN, GEAR		2	2				
10	34A25-07800			RUBBER		4	4				
11	37725-08800			WASHER		1	1				
12	F8006-06209			BEARING, BALL		1	1				A
13	F3200-04500			RING, SNAP		1	1				
14	F8010-06309			BEARING, BALL		1	1				A
15	F8005-06409			BEARING, BALL		1	1				A
16	F3202-10000			RING, SNAP		1	1				A
17	F3202-12000			RING, SNAP		1	1				A
18	37725-08700			COUPLING		1	1				
19	05507-20600			O-RING		2	2				A
20	37725-08600			GEAR, DRIVEN		1	1				
21	F8004-06006			BEARING, BALL		2	2				A
22	F3200-03000			RING, SNAP		1	1				A
23	F3202-05500			RING, SNAP		1	1				A
24	F3012-03022			SEAL, OIL		1	1				A
25	37725-08910			SHIM	T=0.1	AR	AR				A
	37725-08920			SHIM	T=0.3	AR	AR				A
	37725-08930			SHIM	T=0.5	AR	AR				A
	37725-08940			SHIM	T=1.0	AR	AR				A
26	F1035-10025			BOLT		4	4				A
27	F2515-10000			WASHER, SPRING		4	4				A
28	37525-03600			O-RING		2	2				A
29	37525-07901			WASHER		14	14				A
30	F1035-12035			BOLT		4	4				A
31	F2870-07025			KEY, WOODRUFF		2	2				
32	F2870-10032			KEY, WOODRUFF		2	2				
33	37525-00600			WASHER		2	2				
34	94104-01100			NUT		2	2		-013454		A
	37525-09900	3	1	NUT		2	2				A
35	F8006-06210			BEARING, BALL		2	2				A
36	37525-13400			SEAL, OIL		2	2				A
37	47500-55701			CONNECTOR		2	2				
38	04827-71300			PLUG, TAPERED		2	2				A

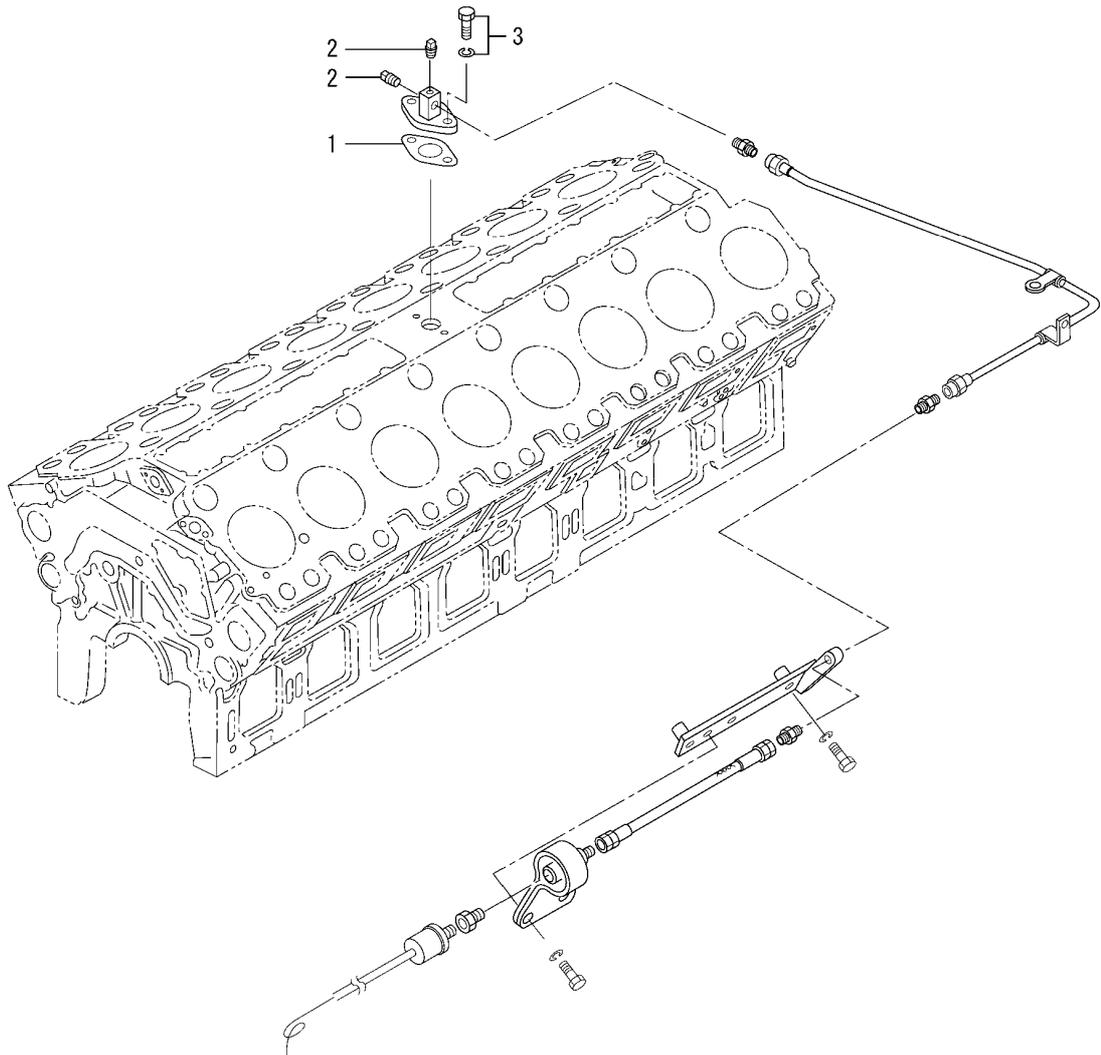


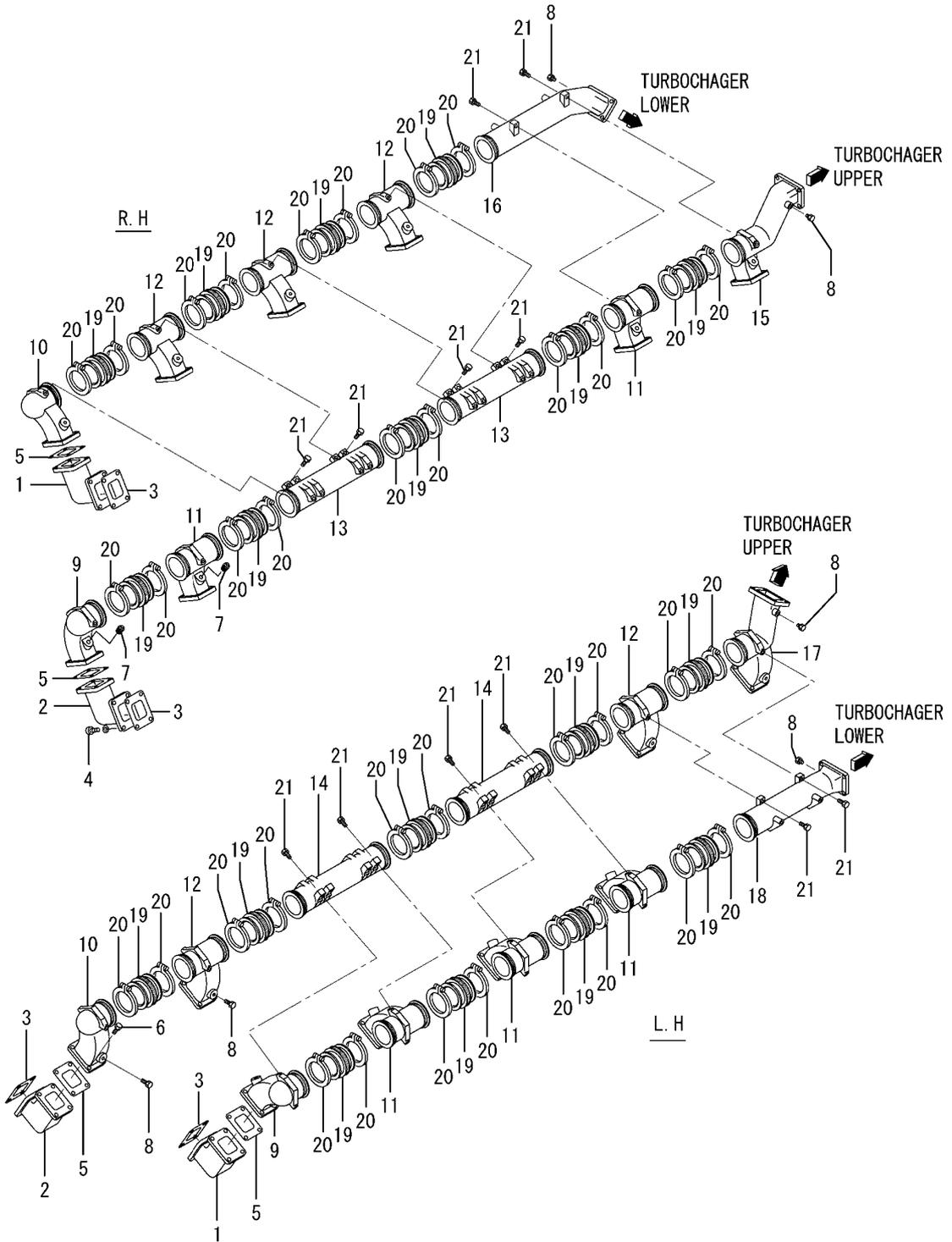
30 INLET SYSTEM

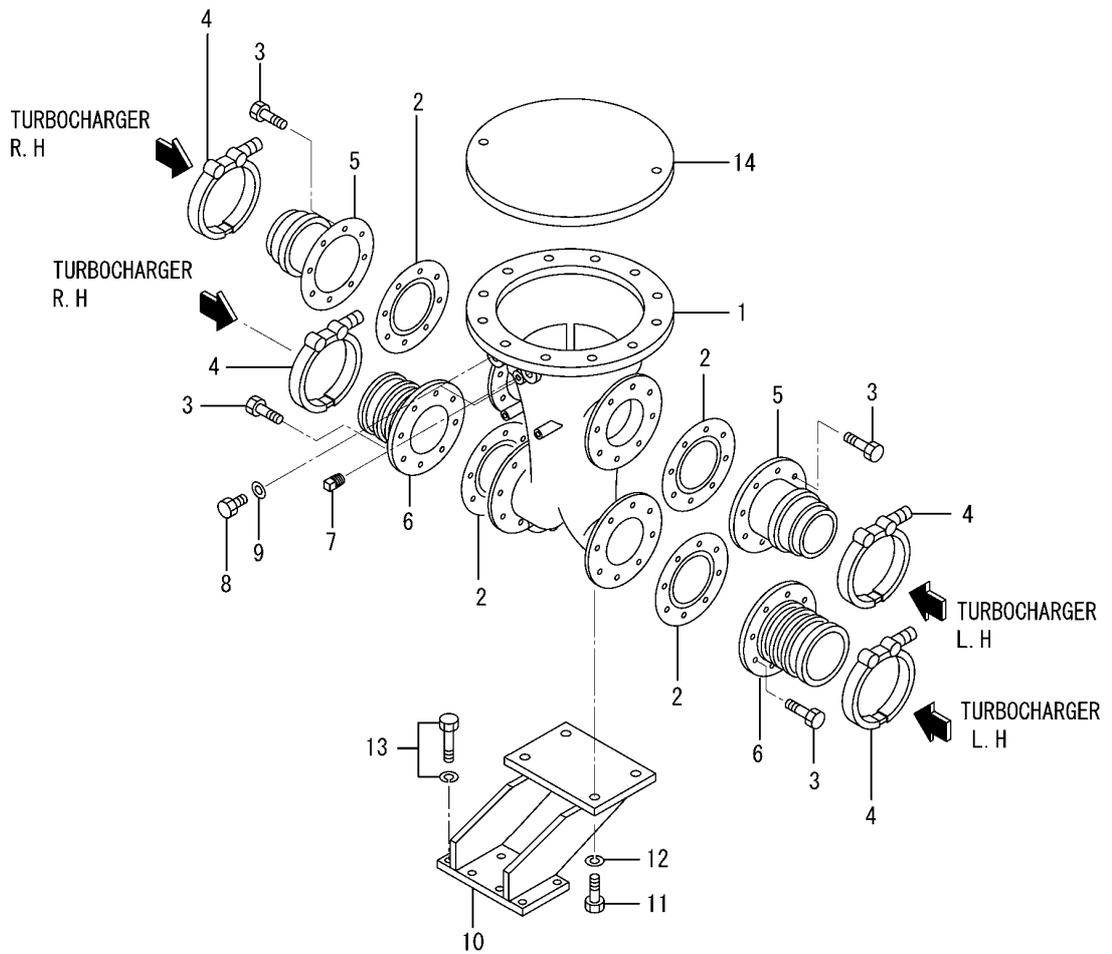


REF. -NO.	PART NO.	R / P	S E N G / Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37530-00200			PACKING	16	16					
2	37830-02100			DUCT, AIR	1	1					A
3	37830-02200			DUCT, AIR	1	1					
4	37830-02300			DUCT, AIR	1	1					
5	37830-02400			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		013269-	-013268		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

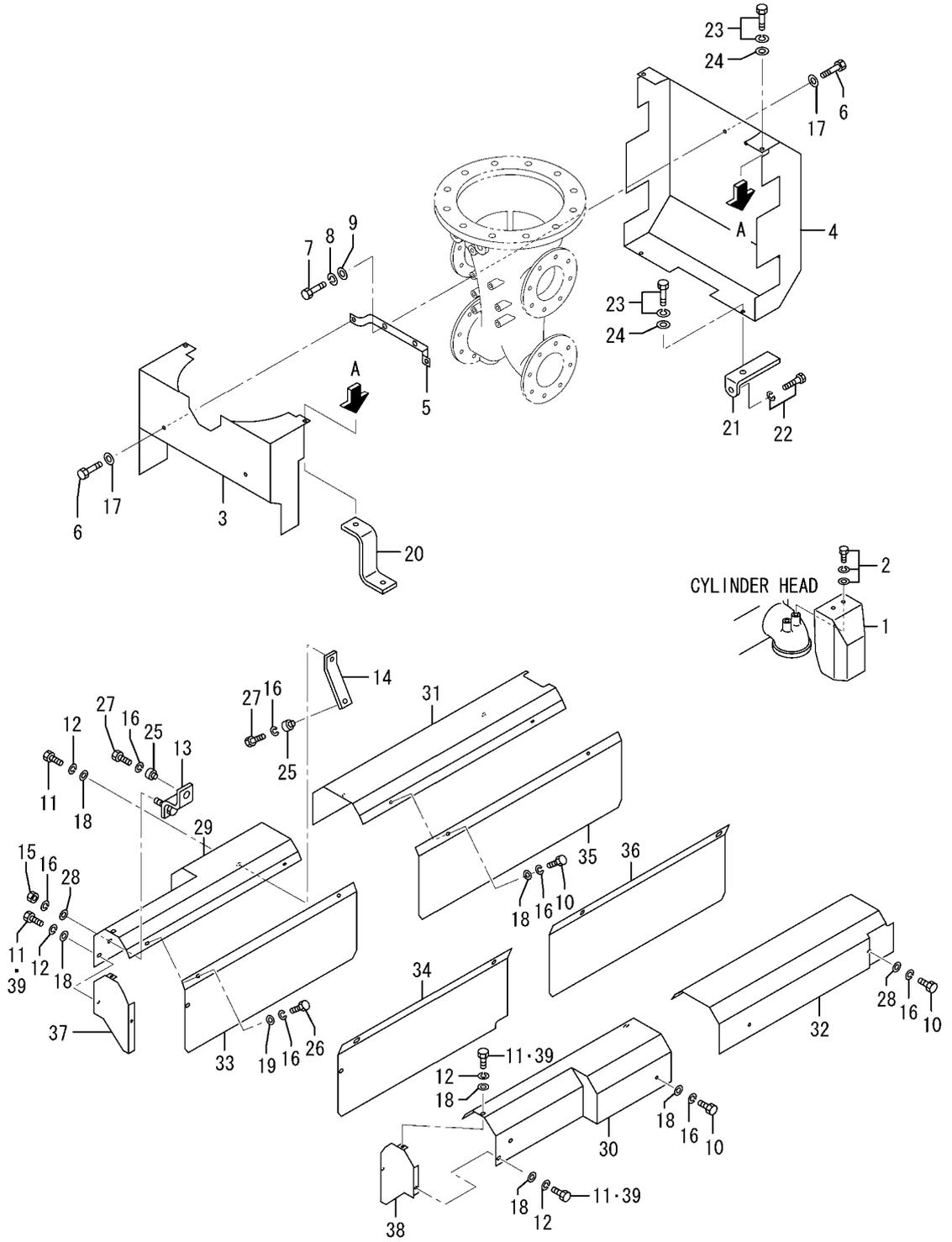
30-05 AIR HEATER







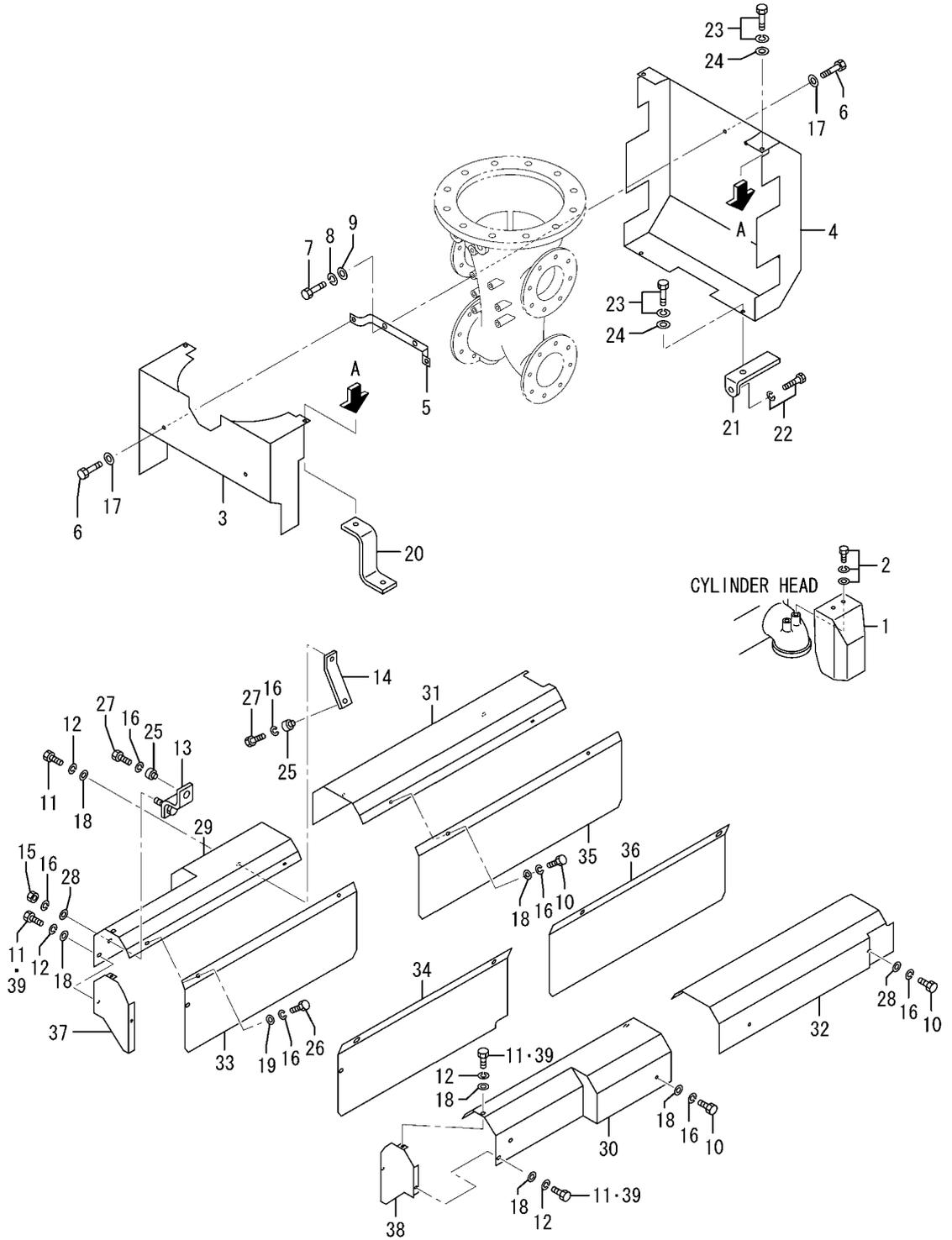
32-03 EXHAUST COVER



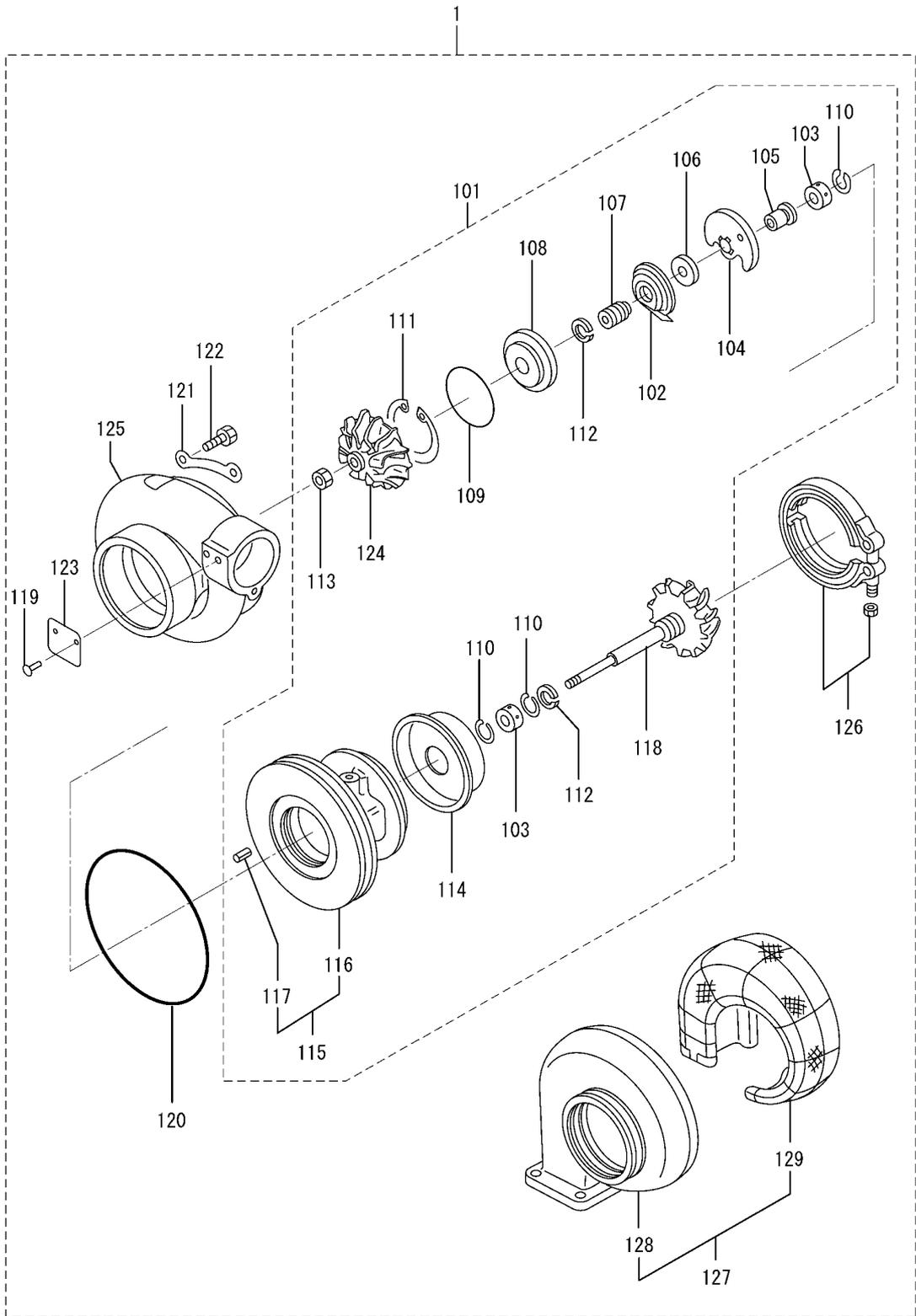
32-03 EXHAUST COVER

REF. -NO.	PART NO.	R / P	S E N G	C Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37532-27100			C	INSULATOR	16	16			-013137		
2	37532-37100	3	1		INSULATOR	16	16				A	V
3	F1825-08016				BOLT, W/WASHER	32	32	B/W				
3	37832-28100			C	INSULATOR, TURBO	1	1	FRONT		@013490		
3	37832-38100	N	1		INSULATOR, TURBO	1	1	FRONT	013491@			V
4	37832-28200			C	INSULATOR, TURBO	1	1	REAR		@013490		
4	37832-38200	G	1		INSULATOR, TURBO	1	1	REAR	013491@			V
5	37832-08300				STAY	1	1					
6	49126-60220				BOLT	4	4				A	
7	32532-06425				BOLT	2	2				A	
8	F2515-12000				WASHER, SPRING	2	2				A	
9	F2500-12000				WASHER, PLAIN	2	2				A	
10	32532-07320				BOLT	6	6				A	
11	07701-10016			C	BOLT	10	10			-012812	A	
11	32532-06320	N	1		BOLT	4	4		012813-		A	V
12	F2515-10000				WASHER, SPRING	10	10				A	
13	37733-17100				STAY, INSULATOR	2	2					
14	37733-17200				STAY, INSULATOR	4	4					
15	32332-00801				NUT, LOCK	2	2				A	
16	F2515-10000				WASHER, SPRING	18	18				A	
17	F2500-10000				WASHER, PLAIN	4	4				A	
18	58034-04400				WASHER	14	14				A	
19	37732-27100				WASHER, INSULATOR	4	4					
20	37732-09501				STAY, INSULATOR	2	2					
21	63669-23400			C	PLATE	2	2			@013490		
22	37732-07300	N	1		STAY, TURBO, INSULATOR	2	2		013491@			V
23	F1805-10020				BOLT, W/WASHER	2	2	B/W			A	
24	F1805-10016				BOLT, W/WASHER	4	4	B/W			A	
25	F2500-10000				WASHER, PLAIN	4	4				A	
25	31632-12500				SPACER	6	6					
26	32532-07325				BOLT	4	4					
27	32532-07335				BOLT	6	6					
28	37732-17100				WASHER	4	4					
29	37734-12300			C	INSULATOR, FRONT	1	1	R. H		@013451		
29	37734-12301	3	1	C	INSULATOR, FRONT	1	1	R. H		@013499		V
30	37734-22300	3	2		INSULATOR, FRONT	1	1	R. H				V
30	37734-12400			C	INSULATOR, FRONT	1	1	L. H		@013451		
30	37734-12401	3	1	C	INSULATOR, FRONT	1	1	L. H		@013499		V
31	37734-22400	N	2		INSULATOR, FRONT	1	1	L. H	013500@			V
31	37734-12500			C	INSULATOR, REAR	1	1	R. H		@013499		
32	37734-22500	G	1		INSULATOR, REAR	1	1	R. H	013500@			V
32	37734-32600			C	INSULATOR, REAR	1	1	L. H		@013499		
33	37734-42600	G	1		INSULATOR, REAR	1	1	L. H	013500@			
33	37734-12700			C	INSULATOR, FRONT	1	1	R. H		@013451		
33	37734-12701	3	1	C	INSULATOR, FRONT	1	1	R. H		@013499		V
34	37734-22700	3	2		INSULATOR, FRONT	1	1	R. H				V
34	37734-12800			C	INSULATOR, FRONT	1	1	L. H		@013451		
34	37734-12801	3	1	C	INSULATOR, FRONT	1	1	L. H		@013499		V
34	37734-22800	N	2		INSULATOR, FRONT	1	1	L. H	013500@			V
35	37734-12900			C	INSULATOR, REAR	1	1	R. H		@013499		

32-03 EXHAUST COVER



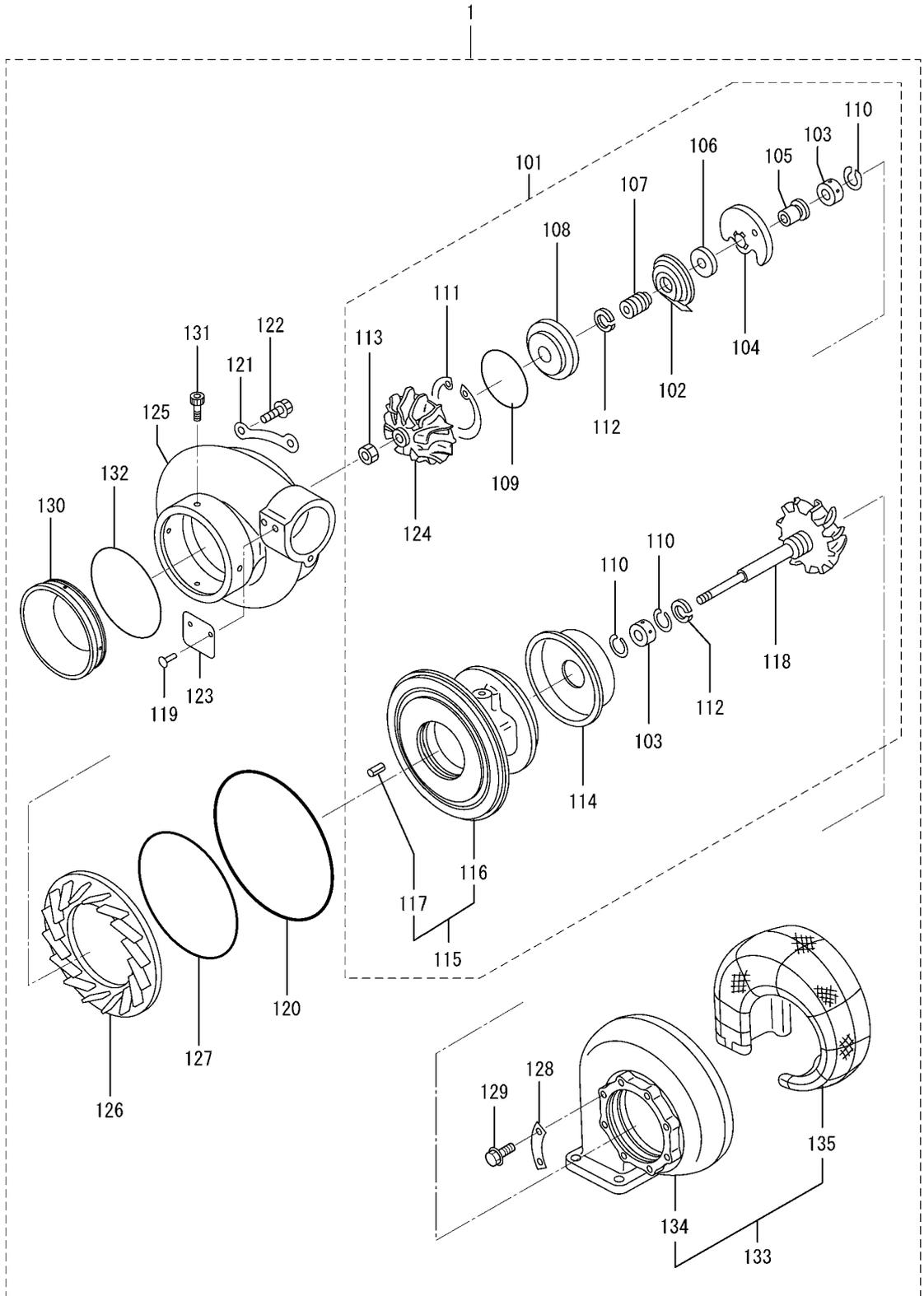
33-00-02 TURBOCHARGER(MODEL TD13M-45Q22VRC-34)



33-00-02 TURBOCHARGER(MODEL TD13M-45Q22VRC-34)

REF. -NO.	PART NO.	R / P	S EN G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	49490-52801		D	TURBOCHARGER ASSY	R. H UPPER	1	1				
	49490-52802		D	TURBOCHARGER ASSY	L. H UPPER	1	1				
	49490-52803		D	TURBOCHARGER ASSY	R. H LOWER	1	1				
	49490-52804		D	TURBOCHARGER ASSY	L. H LOWER	1	1				
1 01	49181-08800		D	CARTRIDGE ASSY		4	4				A
1 02	49181-22200		D	DEFLECTOR, OIL		4	4				
1 03	49181-21100		D	BEARING		8	8				A
1 04	49181-21600		D	BEARING, THRUST		4	4				A
1 05	49181-42400		D	RING, THRUST		4	4				
1 06	49181-42300		D	RING, THRUST		4	4				
1 07	49181-42100		D	SLEEVE, FLINGER		4	4				
1 08	49181-22500		D	INSERT		4	4				
1 09	49181-22600		D	O-RING		4	4				A
1 10	49181-22300		D	RING, SNAP		12	12				A
1 11	49162-23200		D	RING, SNAP		4	4				A
1 12	49181-23100		D	RING, PISTON		8	8				A
1 13	49181-42230		D	NUT, LOCK		4	4				
1 14	49181-19300		D	PLATE, BACK TURBINE		4	4				
1 15	49181-25310		D	HOUSING ASSY, BEARING		4	4				
1 16	*			HOUSING, BEARING		4	4				
1 17	49183-22800		D	PIN		4	4				A
1 18	49181-30230		D	ROTOR ASSY		4	4				
1 19	00665-02048		D	RIVET, SCREW		8	8				
1 20	49181-22700		D	O-RING		4	4				A
1 21	49181-23500		D	PLATE, LOCK		16	16				
1 22	49181-23700		D	BOLT		32	32				A
1 23	*			PLATE, NAME		4	4				
1 24	49181-46100		D	WHEEL, COMPRESSOR		4	4				
1 25	49181-53100		D	COVER, COMPRESSOR		4	4				
1 26	49181-14004		D	V-CLAMP ASSY		4	4				
1 27	*			TURBINE-HOUSING ASSY		4	4				
1 28	49181-15400		D	TURBINE-HOUSING		4	4				
1 29	49181-14410		D	LAGGING		4	4				

33-00-03 TURBOCHARGER(MODEL TD13M-45Q22VRC-29

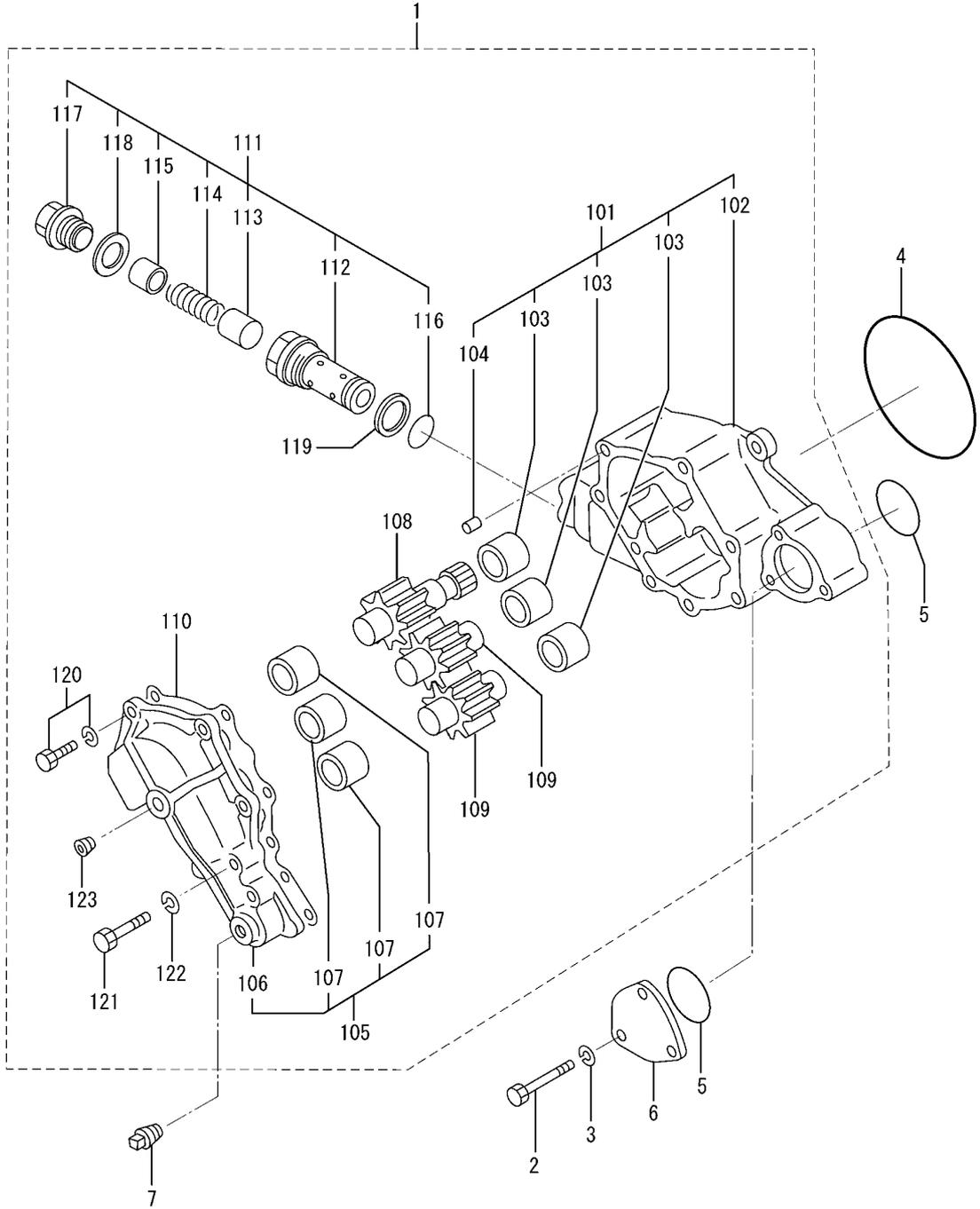


33-00-03 TURBOCHARGER(MODEL
TD13M-45Q22VRC-29

- 63-

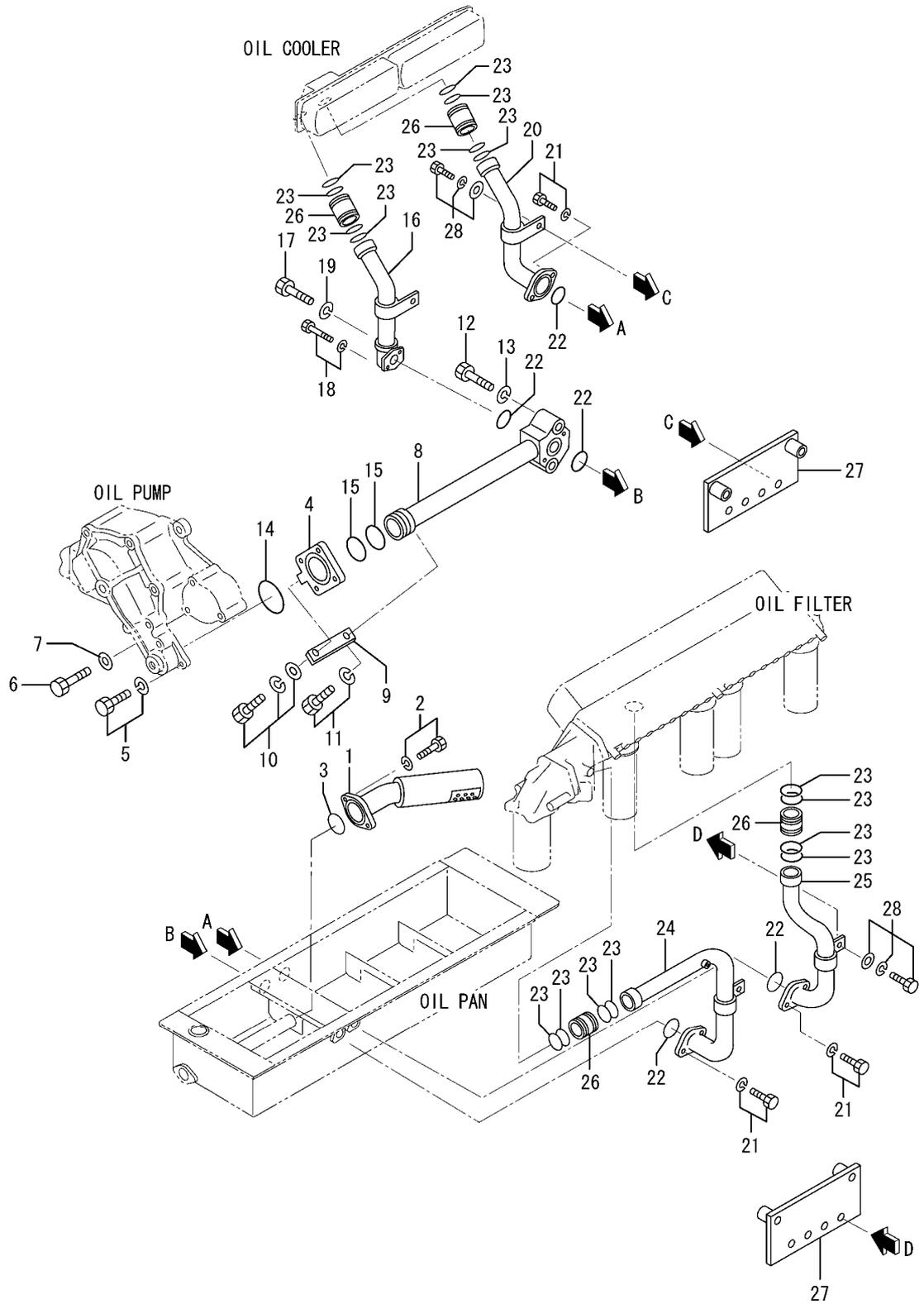
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	49182-06210		A	TURBOCHARGER ASSY	R. H UPPER	1	1		012813-		V
	49182-06220		A	TURBOCHARGER ASSY	L. H UPPER	1	1		012813-		V
	49182-06230		A	TURBOCHARGER ASSY	R. H LOWER	1	1		012813-		V
	49182-06240		A	TURBOCHARGER ASSY	L. H LOWER	1	1		012813-		V
1 01	49182-07130		A	CARTRIDGE ASSY		4	4		012813-	A	V
1 02	49181-22200		A	DEFLECTOR, OIL		4	4		012813-		V
1 03	49181-21100		A	BEARING		8	8		012813-	A	V
1 04	49181-21600		A	BEARING, THRUST		4	4		012813-	A	V
1 05	49181-42400		A	RING, THRUST		4	4		012813-		V
1 06	49181-42300		A	RING, THRUST		4	4		012813-		V
1 07	49181-42100		A	SLEEVE, FLINGER		4	4		012813-		V
1 08	49181-22500		A	INSERT		4	4		012813-		V
1 09	49181-22600		A	O-RING		4	4		012813-	A	V
1 10	49181-22300		A	RING, SNAP		12	12		012813-	A	V
1 11	49162-23200		A	RING, SNAP		4	4		012813-	A	V
1 12	49181-23100		A	RING, PISTON		8	8		012813-	A	V
1 13	49181-42230		A	NUT, LOCK		4	4		012813-		V
1 14	49182-19300		A	PLATE, BACK TURBINE		4	4		012813-		V
1 15	49182-25620		A	HOUSING ASSY, BEARING		4	4		012813-		V
1 16	*			HOUSING, BEARING		4	4				
1 17	F2846-04000		A	PIN		4	4		012813-	A	V
1 18	49182-30230		A	ROTOR ASSY		4	4		012813-		V
1 19	00665-02048		A	RIVET, SCREW		8	8		012813-		V
1 20	49181-22710		A	O-RING		4	4		012813-	A	V
1 21	49181-23500		A	PLATE, LOCK		16	16		012813-		V
1 22	49181-23700		A	BOLT		32	32		012813-	A	V
1 23	*			PLATE, NAME		4	4				
1 24	49182-45010		A	WHEEL, COMPRESSOR		4	4		012813-		V
1 25	49182-55840		A	COVER, COMPRESSOR		4	4		012813-		V
1 26	49182-60910		A	DIFFUSER		4	4		012813-		V
1 27	49174-22710		A	O-RING		4	4		012813-	A	V
1 28	49182-17280		A	PLATE, CLAMP		16	16		012813-		V
1 29	49182-18000		A	BOLT		32	32		012813-	A	V
1 30	49182-58130		A	COVER, RCC		4	4		012813-		V
1 31	49182-19500		A	BOLT, HEXAGON		8	8		012813-	A	V
1 32	F3156-14500		A	O-RING		4	4		012813-	A	V
1 33	*			TURBINE-HOUSING ASSY		4	4				
1 34	49182-11360		A	TURBINE-HOUSING		4	4		012813-		V
1 35	49182-14305		A	LAGGING		4	4		012813-		V

35 OIL PUMP



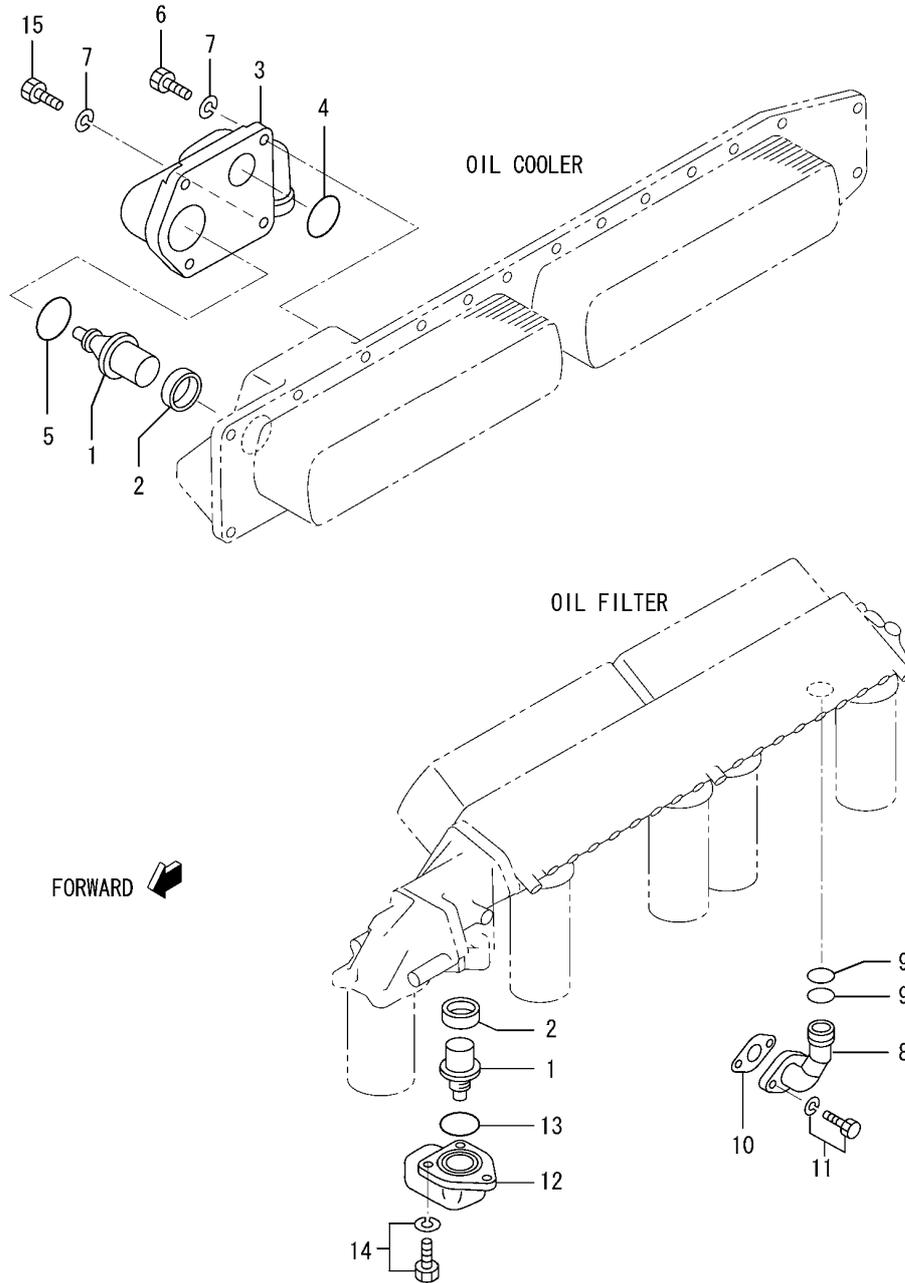
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37735-00030			PUMP ASSY, OIL	1	1					
1 01	37735-81000			CASE ASSY	1	1					
1 02	*			CASE, OIL PUMP	1	1					
1 03	*			BUSHING	3	3					
1 04	*			PIN, DOWEL	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

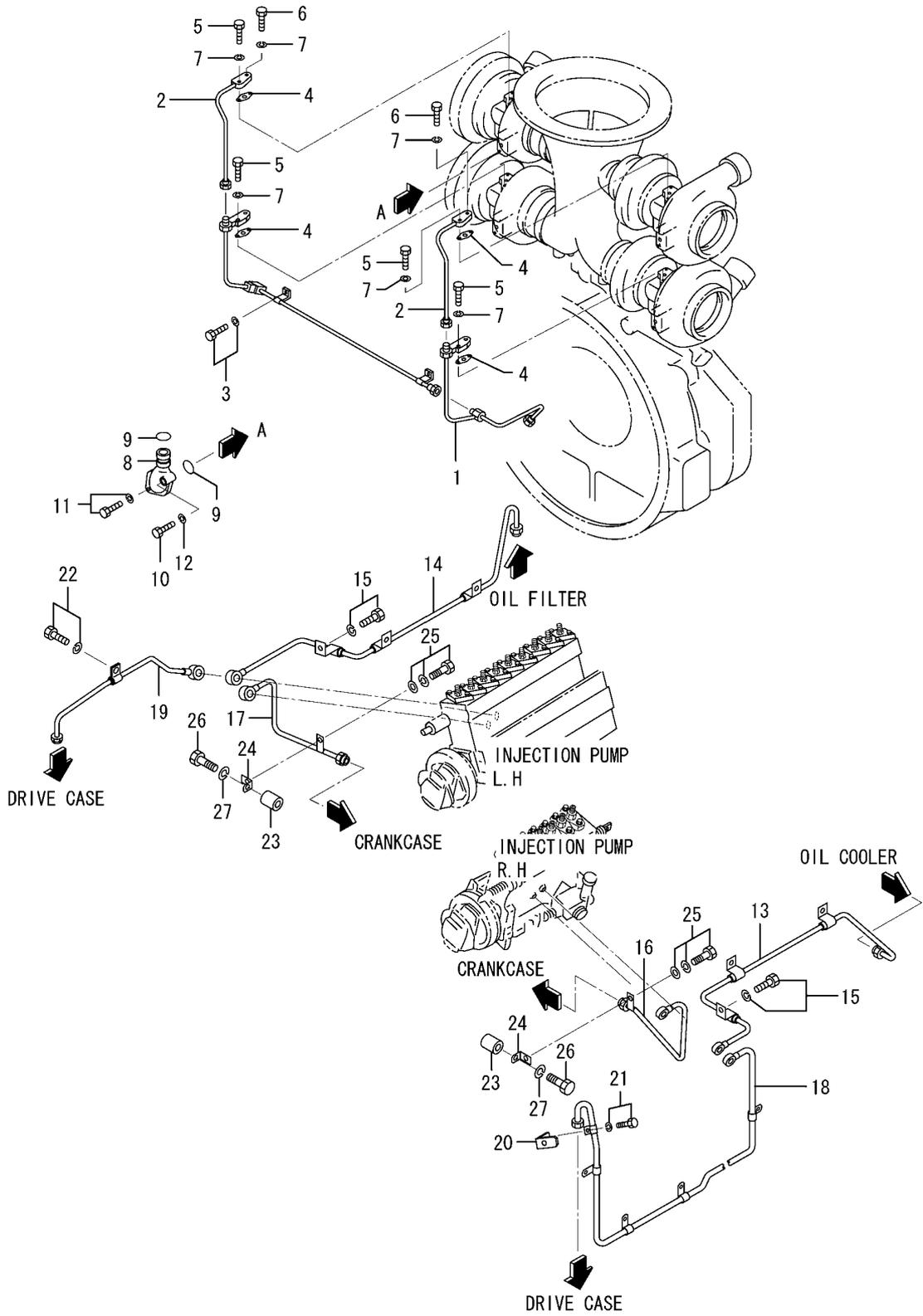


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37736-10101			STRAINER, OIL	1	1					A
2	F1805-12030			BOLT, W/WASHER B/W	2	2					A
3	05507-20800			O-RING	1	1					A
4	37736-03400			CONNECTOR	1	1					
5	F1805-10030			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

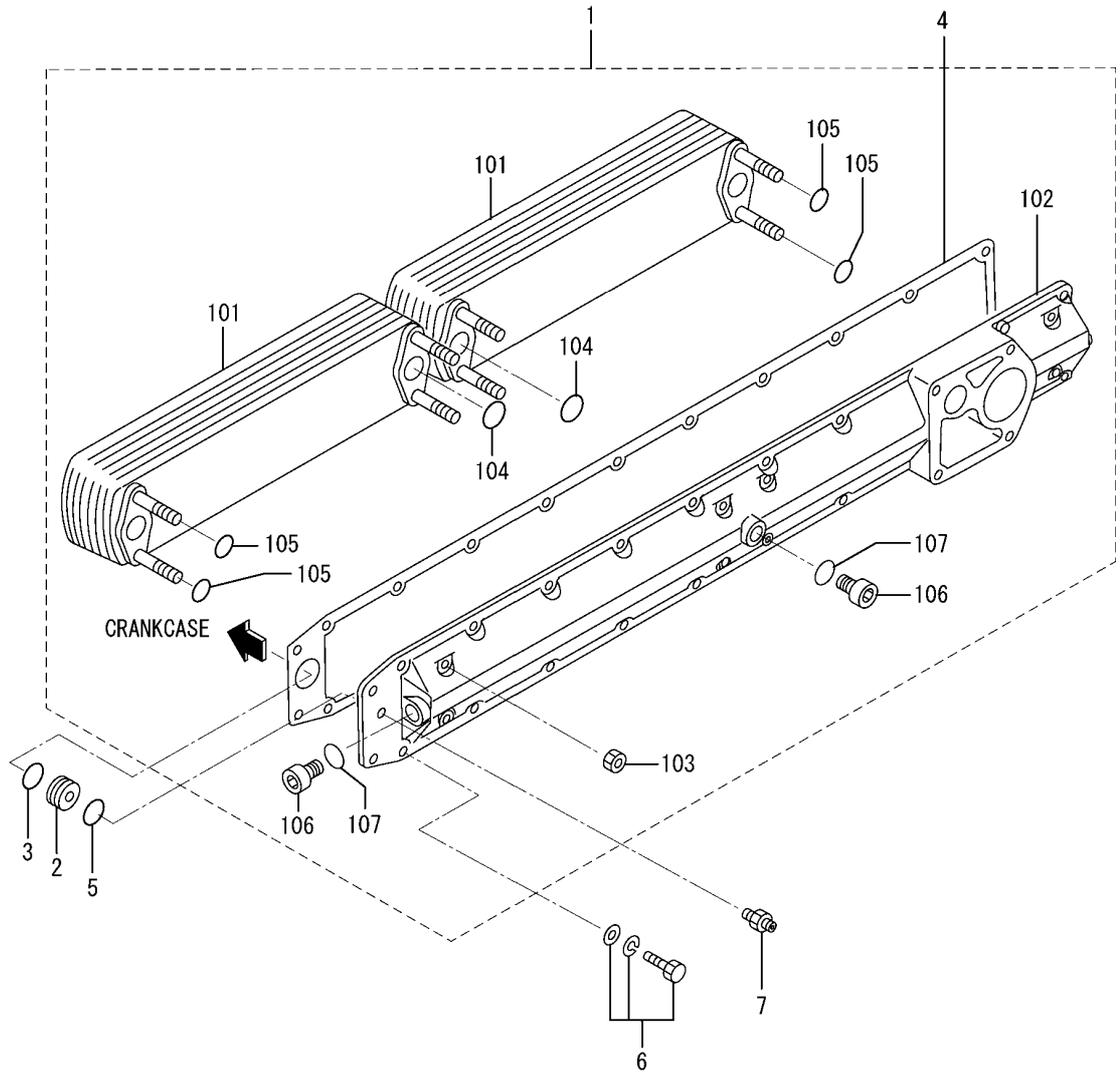


36-02 OIL SYSTEM PARTS

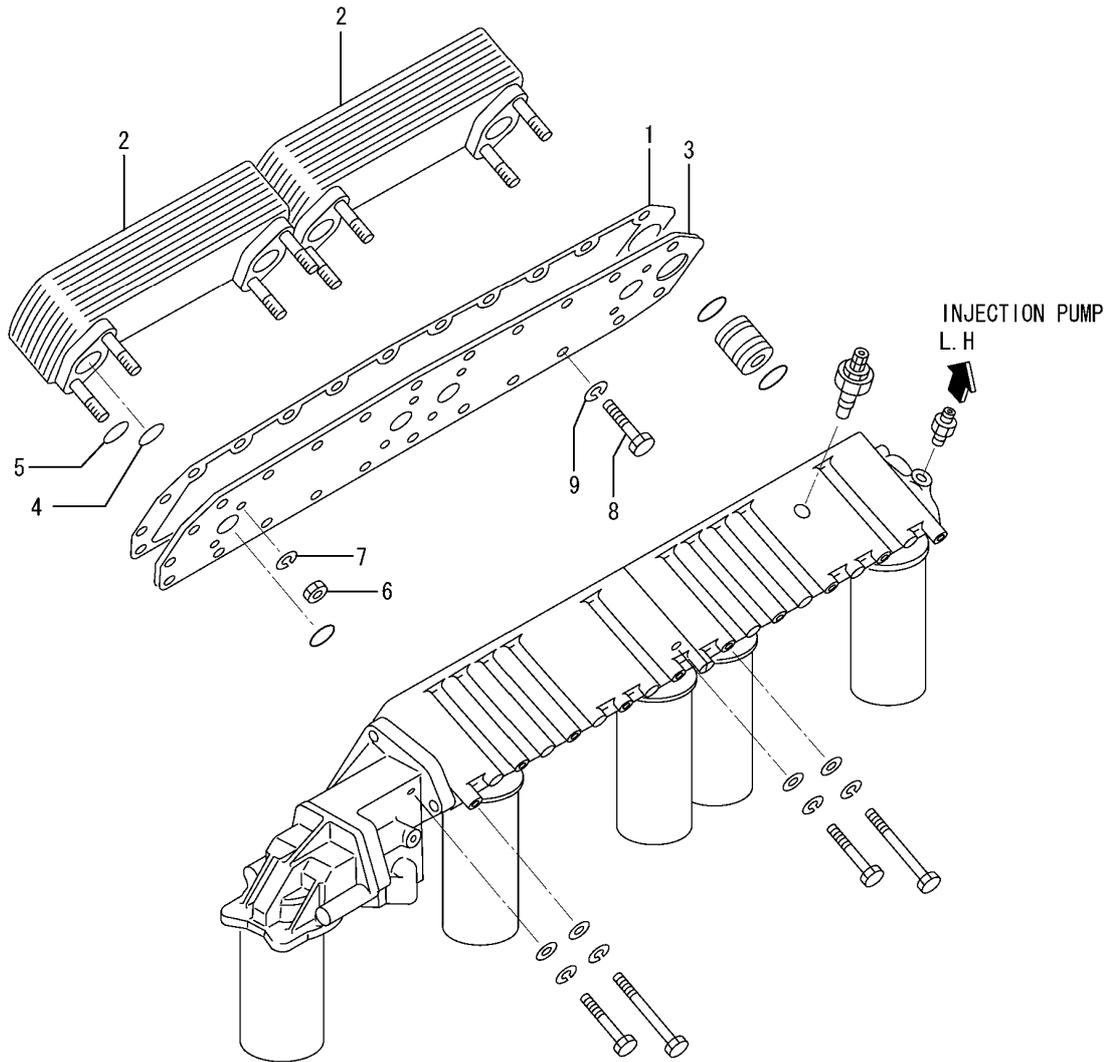


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION		MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37836-15101			PIPE, OIL	R. H	1	1					
2	37836-25200			PIPE, OIL	UPPER	2	2					
3	F1805-10016			BOLT, W/WASHER	B/W	2	2					A
4	35C36-02900			PACKING		4	4					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	37836-76400			PIPE, OIL	R. H	1	1					
19	37836-09300			PIPE, OIL	L. H	1	1					
20	37836-16800			STAY, OIL PIPE		1	1					
21	F1805-08014			BOLT, W/WASHER	B/W	1	1					A
22	F1805-10020			BOLT, W/WASHER	B/W	1	1					A
23	37836-09700	A		SPACER		2	2		013045-			V
24	37836-09800	A		STAY, DRAIN PIPE		2	2		013045-			V
25	F1825-10020	A		BOLT, W/WASHER	B/W	2	2		013045-			A V
26	F1035-12065	A		BOLT		2	2		013045-			A V
27	F2515-12000	A		WASHER, SPRING		2	2		013045-			A V

39-00-01 OIL COOLER, R.H



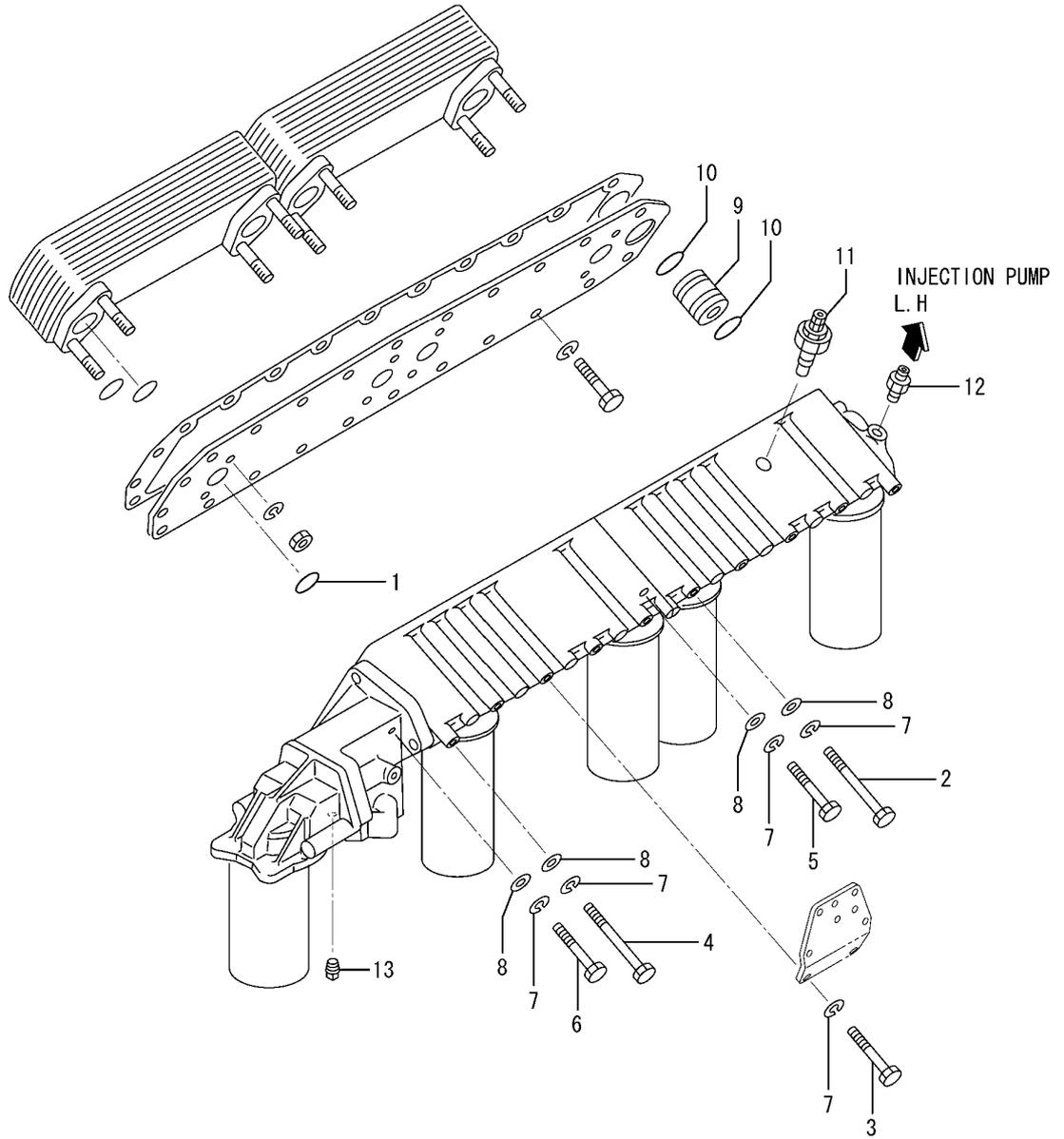
39-00-02 OIL COOLER, L.H



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
					PTAW2K	PTAW2M		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	

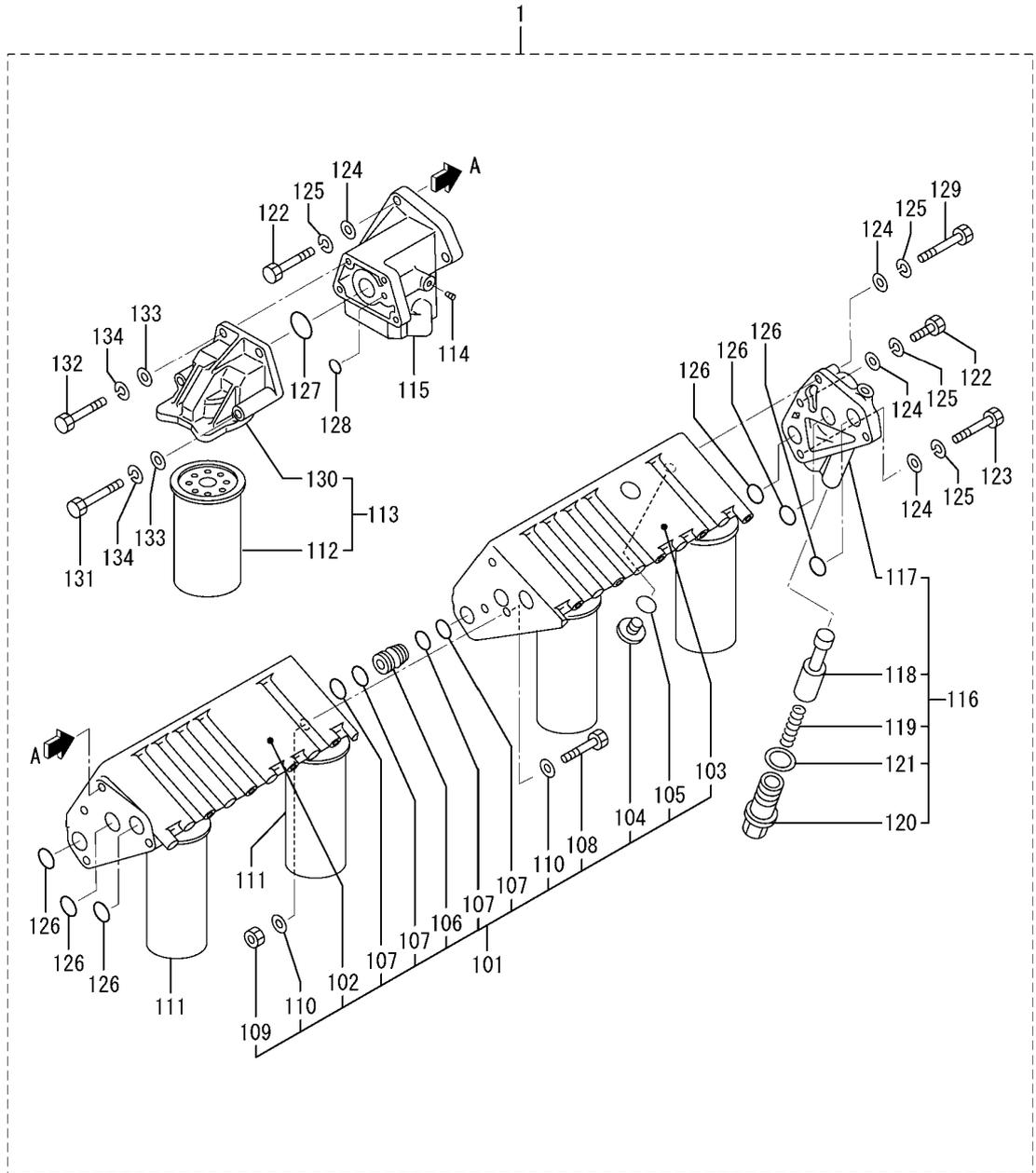
40-00-01 OIL FILTER GENERAL



40-00-01 OIL FILTER GENERAL

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	05507-20300			O-RING	4	4				A	
2	MH000183			BOLT	6	6				A	
3	05978-12175			BOLT	2	2					
4	MH000184			BOLT	2	2				A	
5	F1035-12100			BOLT	8	8				A	
6	F1035-12130			BOLT	2	2				A	
7	F2515-12000			WASHER, SPRING	20	20				A	
8	F2500-12000			WASHER, PLAIN	18	18				A	
9	37740-00700			COUPLING, OIL FILTER	1	1					
10	05507-20350			O-RING	2	2				A	
11	37540-01300			ALARM, OIL FILTER	1	1					
12	F4540-08000			CONNECTOR	1	1					
13	F5006-10000			PLUG, TAPERED	1	1				A	

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

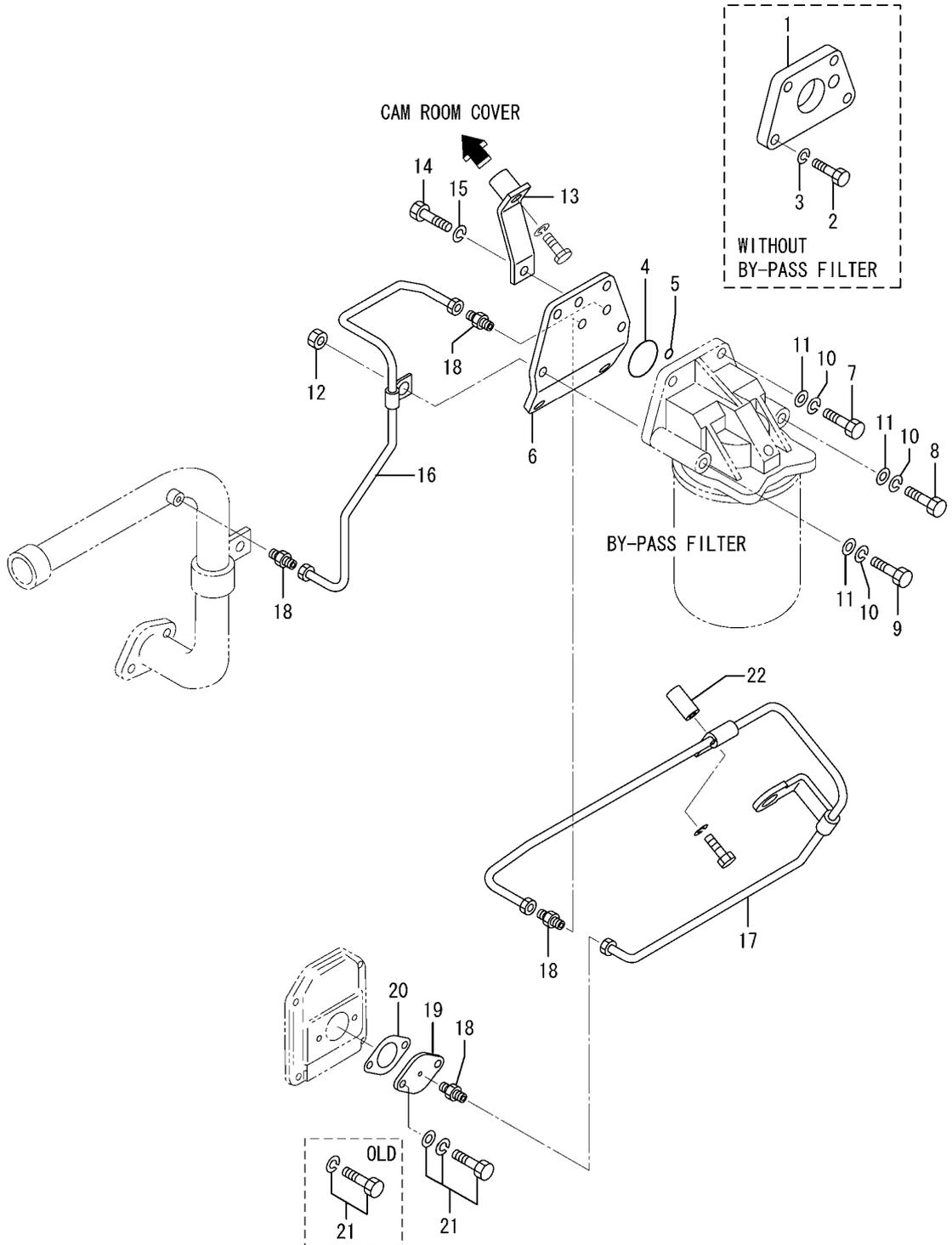


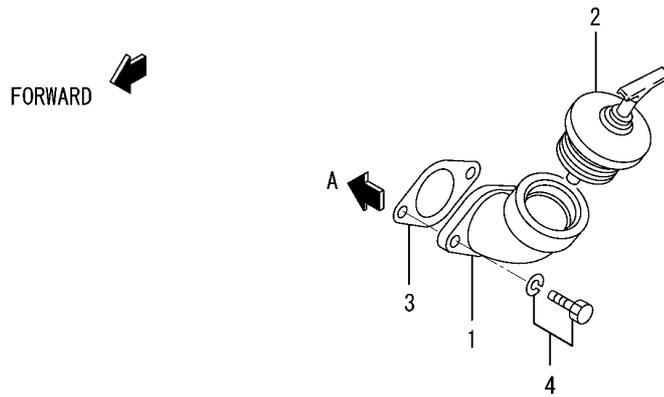
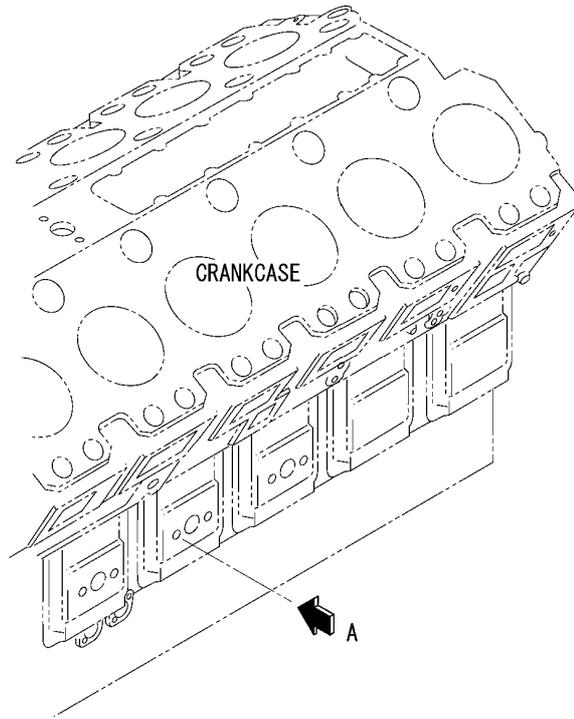
40-00-02 OIL FILTER ASSY
(PAPER-ELEMENT TYPE)

- 79-

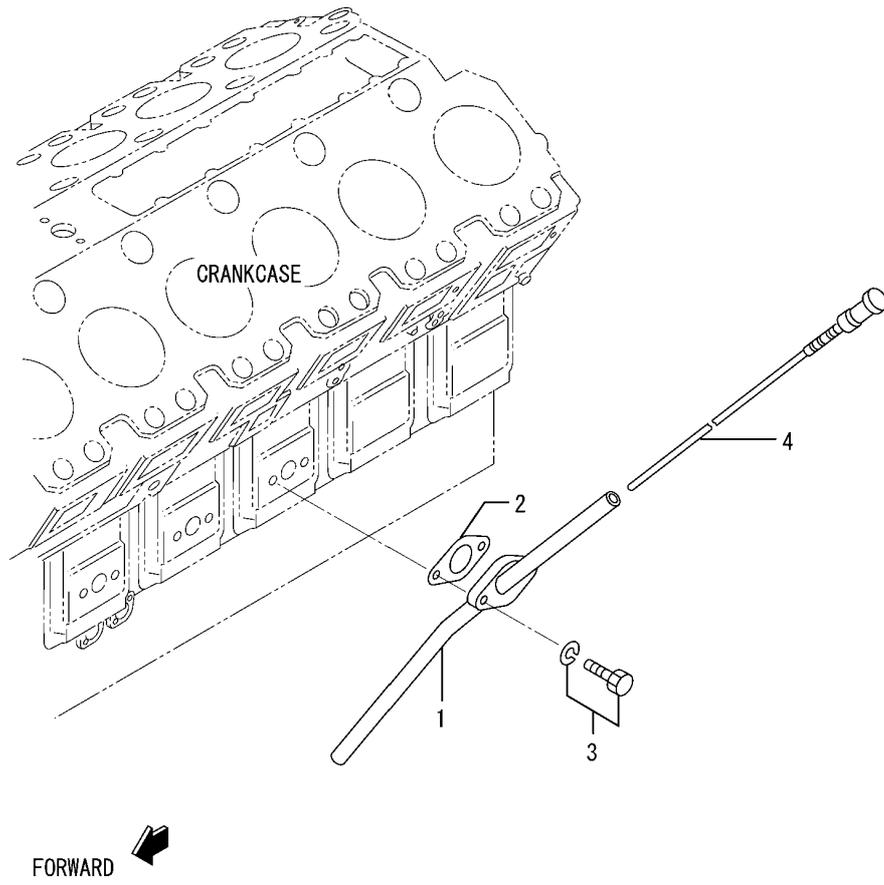
REF. -NO.	PART NO.	R / P	S EN G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37740-50011			FILTER ASSY, OIL	1	1					
1 01	37740-55100			BRACKET ASSY	1	1					
1 02	*			BRACKET SUB ASSY	1	1					
1 03	*			BRACKET SUB ASSY	1	1					
1 04	37740-27112			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)

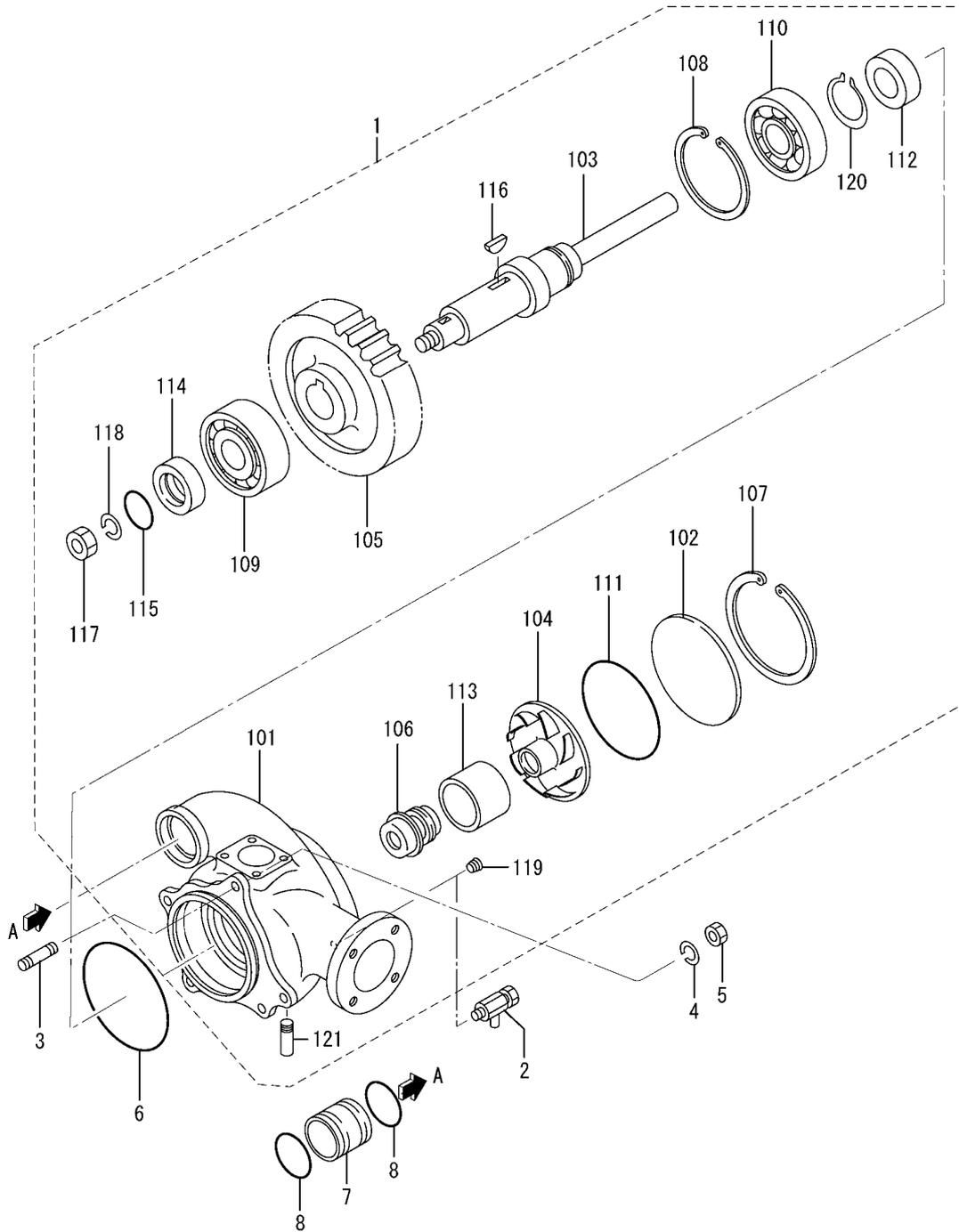




42-05 OIL LEVEL GAGE



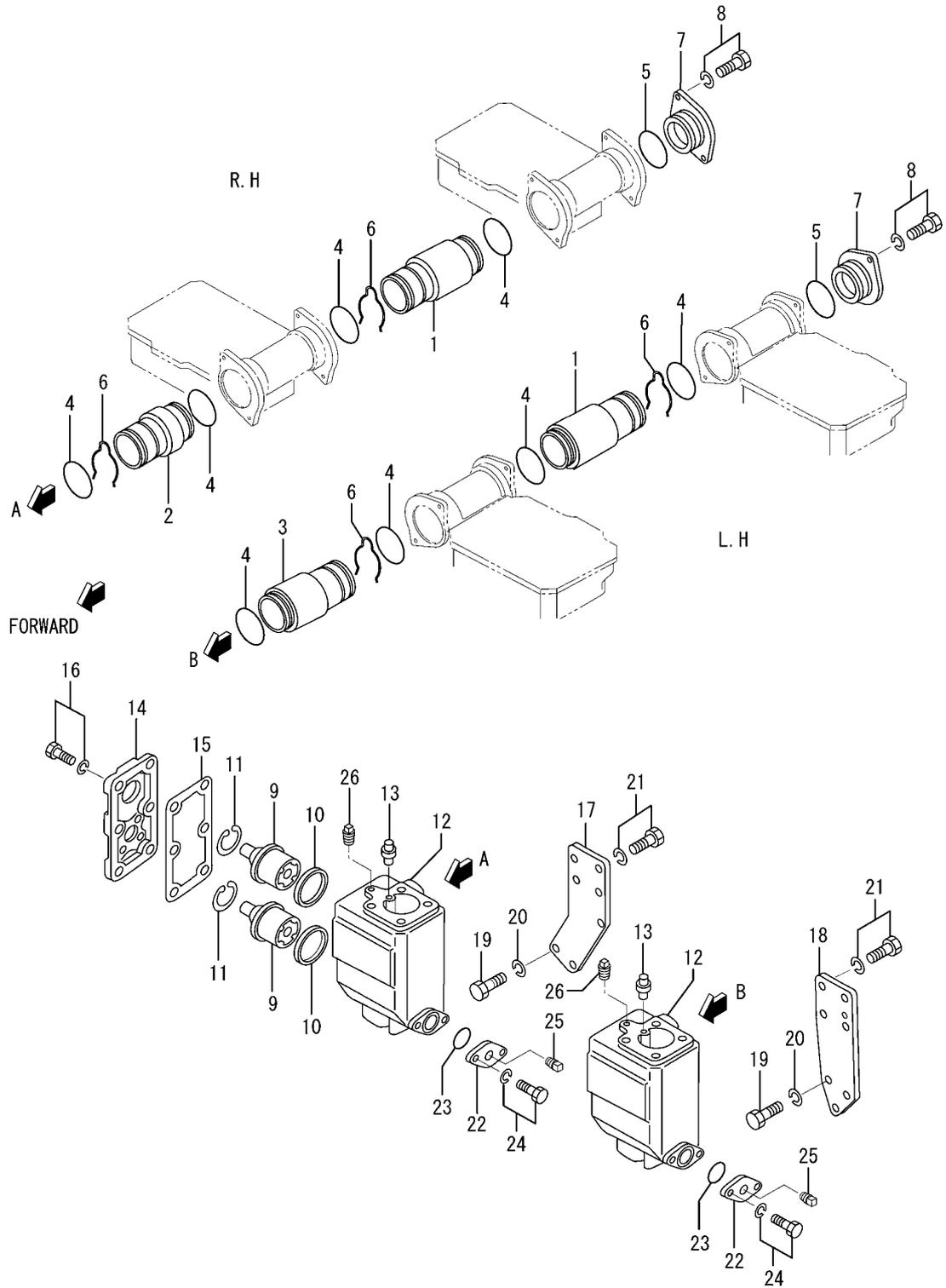
REF. -NO.	PART NO.	R / P	S EN GG	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37842-23500			GUIDE, OIL LEVEL GAGE	1	1					
2	33442-20200			PACKING	1	1				A	
3	F1805-10020			BOLT, W/WASHER	2	2				A	
4	37742-13700			GAGE, OIL LEVEL	1	1					



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		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-

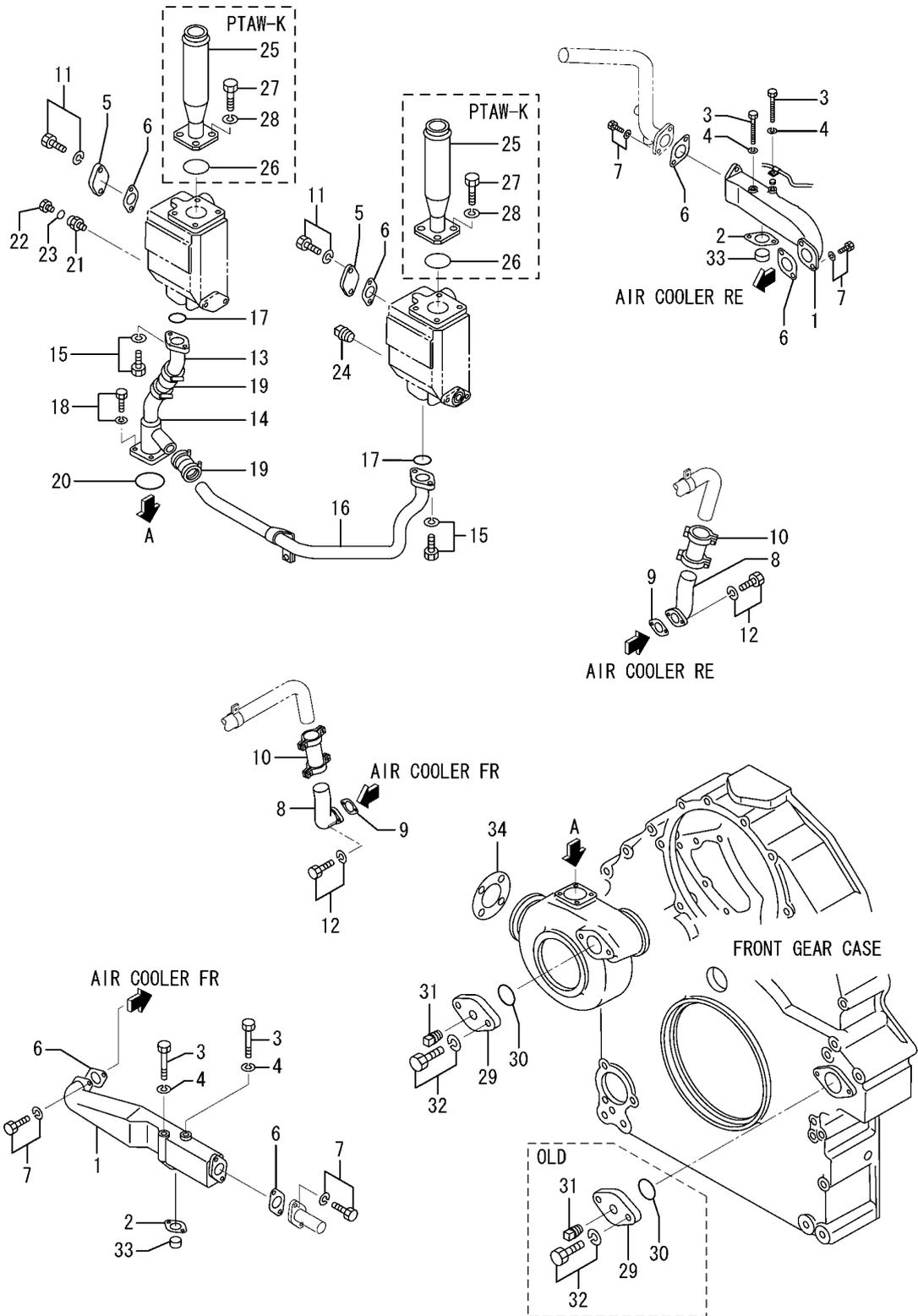


46-01-01 COOLING SYSTEM(THERMOSTAT)

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
					PTAW2K	PTAW2M		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					
	37746-23500	R	1	BRACKET, THERMO	1	1					V
19	F1035-16040			BOLT	6	6					A
20	F2515-16000			WASHER, SPRING	6	6					A
21	F1805-10035			BOLT, W/WASHER	6	6					A
22	37546-00600			COVER	2	2					
23	F3153-06000			O-RING	2	2					A
24	F1805-10030			BOLT, W/WASHER	4	4					A
25	F5006-21000			PLUG, TAPERED	2	2					A
26	F5006-10000	A		PLUG, TAPERED	2	2		012903-			V

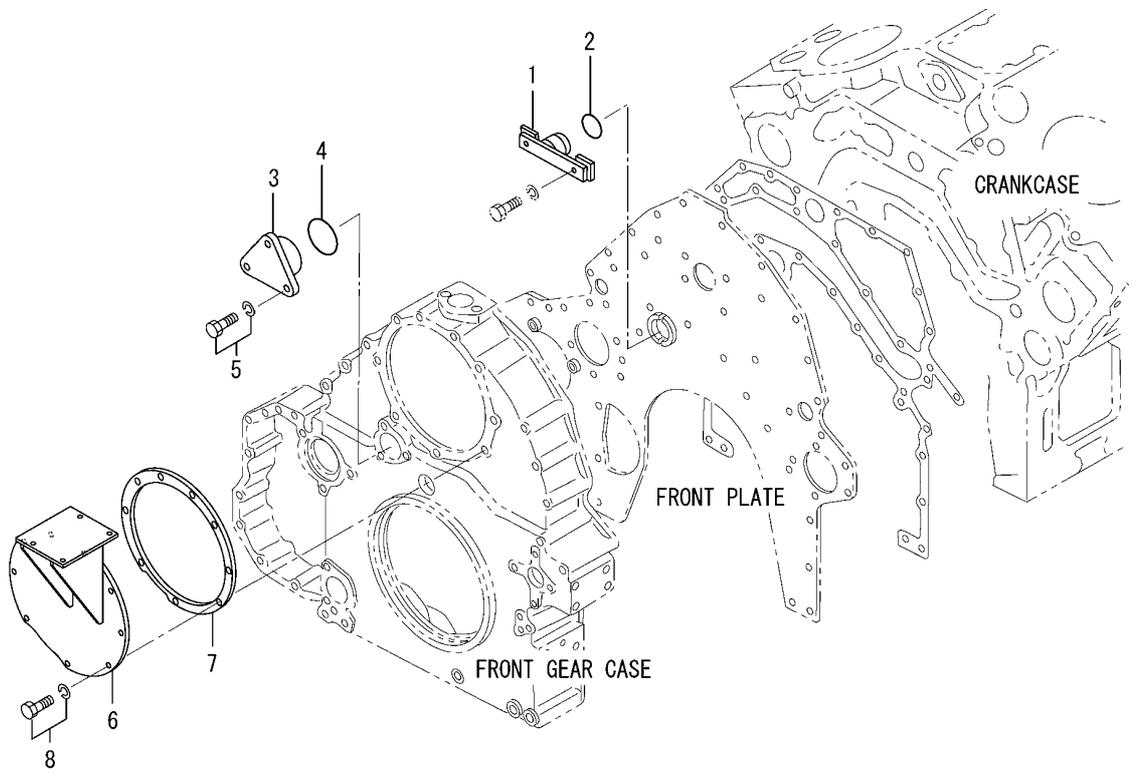
46-01-02 COOLING SYSTEM(PIPING)

- 92-

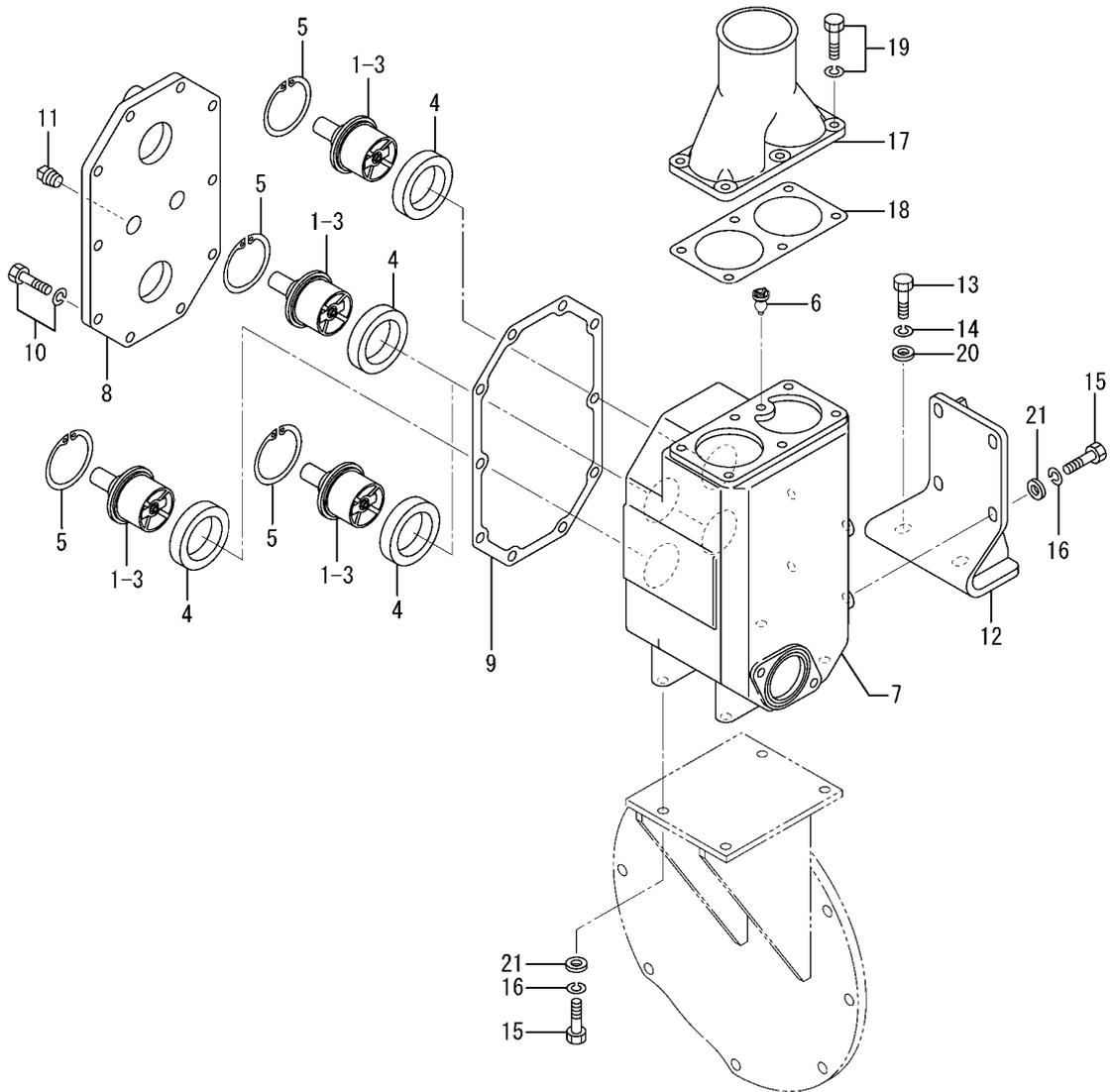


46-01-02 COOLING SYSTEM(PIPING)

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		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		013269-	-013268		
30	F3153-05500		Q	O-RING	2	2					A
	F3153-05500	1		O-RING	1	1		013269-	-013268		A
31	F5006-21000		Q	PLUG, TAPERED	2	2					A
	F5006-21000	1		PLUG, TAPERED	1	1		013269-	-013268		A
32	F1805-10030		Q	BOLT, W/WASHER	4	4					A
	F1805-10030	1		BOLT, W/WASHER	2	2		013269-			A
33	04826-24000			CAP, SEALING	2	2					A
34	04826-28090			PACKING	1	.					A



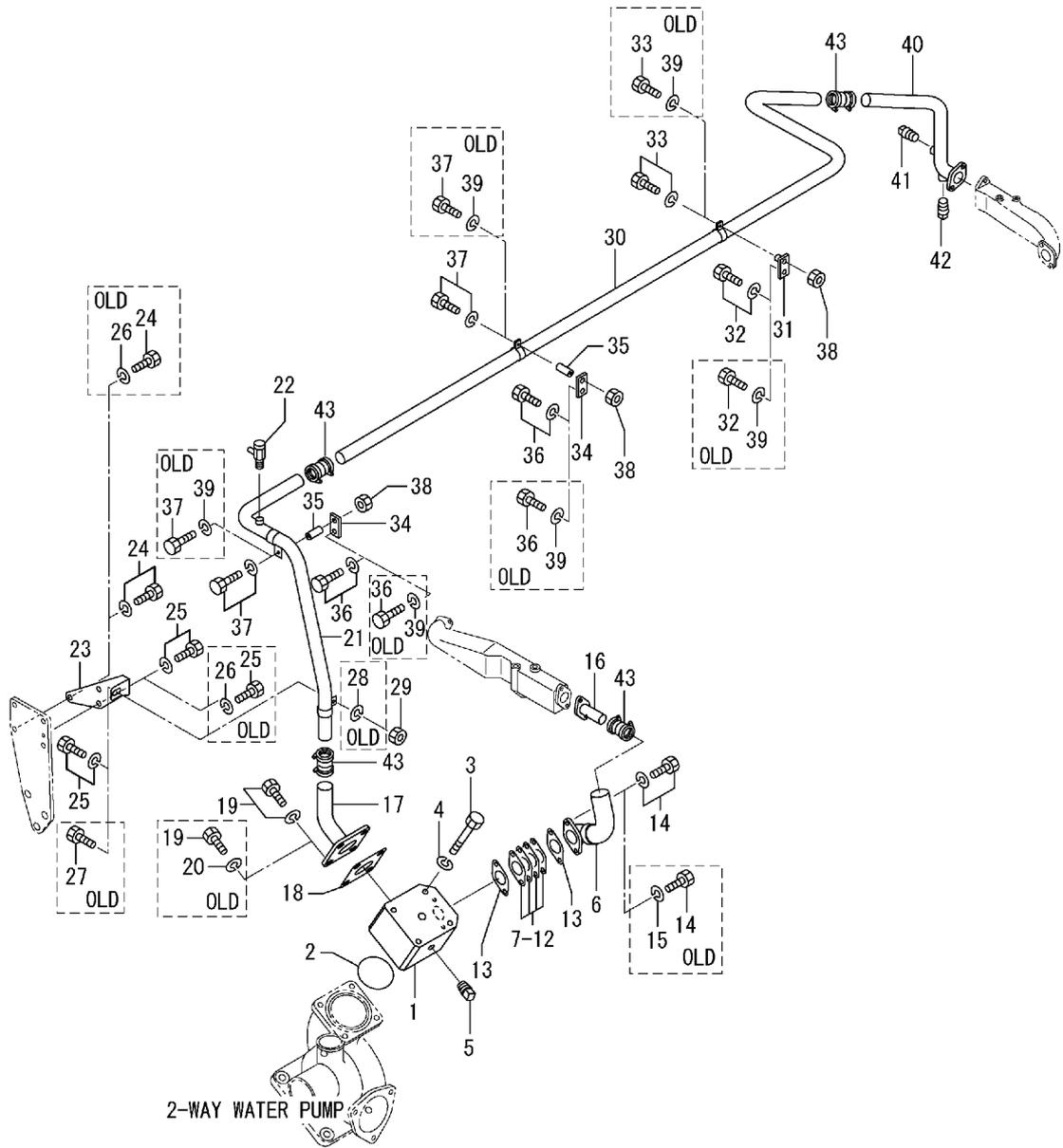
51-00-01 SEA WATER COOLING (THERMOSTAT)



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
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37K46-06100		D	THERMOSTAT	30°C	4	4			-013273		
2	37K46-06200		D	THERMOSTAT	35°C	4	4			-013273		
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		013274-	-013273		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				A	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			-013273	A	
	F1035-12030	N	1	BOLT		2	2		013274-		A	V
14	F2515-12000			WASHER, SPRING		2	2				A	
15	F1035-10025		C	BOLT		8	8			-013273	A	
	F1035-10030	N	1	BOLT		8	8		013274-		A	V
16	F2515-10000			WASHER, SPRING		8	8				A	
17	32346-23200		C	COVER, THERMO		1	1			-013273		
	37751-02100	N	1	COVER, THERMO		1	1		013274-			V
18	32546-25400		C	PACKING		1	1			-013273	A	
	37751-02200	N	1	PACKING		1	1		013274-		A	V
19	F1805-08025		C	BOLT, W/WASHER	B/W	8	8			-013273	A	
	F1805-10025	N	1	BOLT, W/WASHER	B/W	6	6		013274-		A	V
20	33311-01600		A	WASHER		2	2		013274-			V
21	58034-04400		A	WASHER		8	8		013274-			V

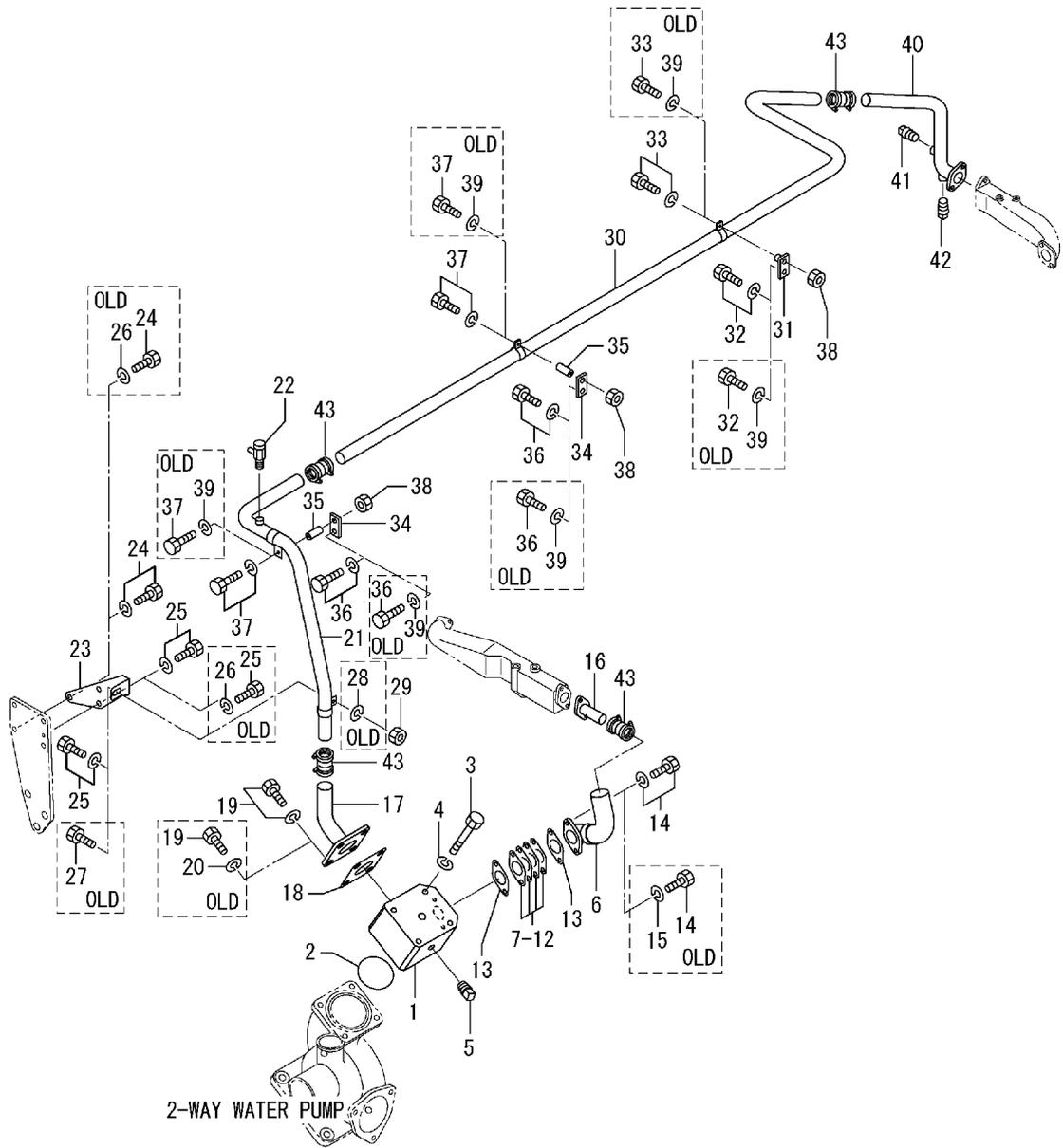
51-00-02 SEA WATER COOLING (OUTER PIPING)



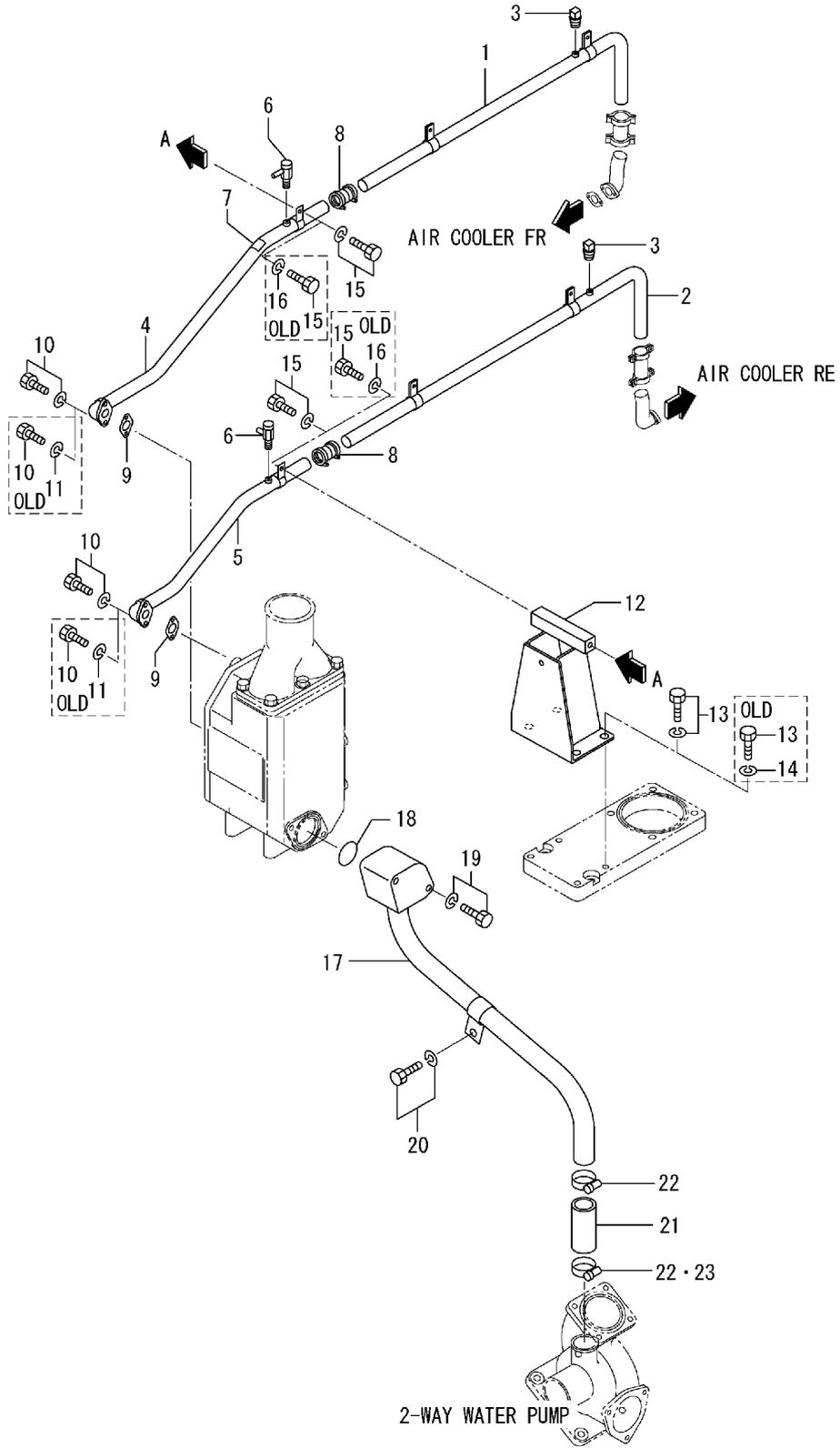
51-00-02 SEA WATER COOLING
(OUTER PIPING)

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		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	013269-	-013268		A	V
24	F2515-12000		D	WASHER, SPRING	2	2				A	
25	37899-H54A0		C	PIPE, WATER	2	2				A	
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				A	
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	013269-	-013268		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	013269-	-013268		A	V
40	F1035-10025		C	BOLT	1	1				A	
41	F1805-10025	N 1		BOLT, W/WASHER B/W	2	2	013269-	-013268		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	013269-	-013268		A	V

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



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

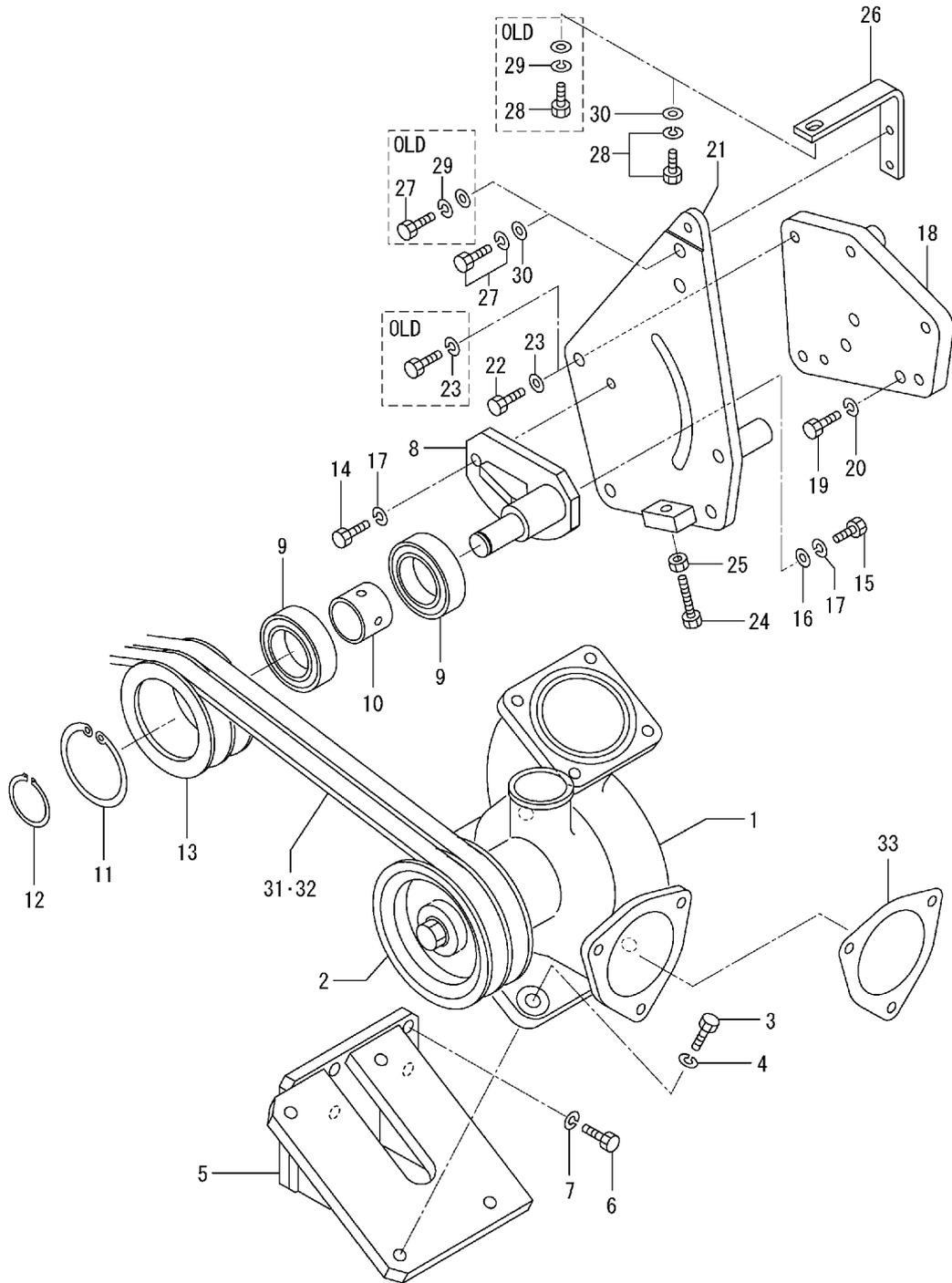


51-00-03 SEA WATER COOLING
(INNER PIPING)

-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
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37895-10920		C	PIPE, WATER	L. H	1	1				
2	37851-06200	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		-013268		A
	F1805-12025	N	1	BOLT, W/WASHER	B/W	4	4	013268-			A V
11	F2515-12000		D	WASHER, SPRING		4	4		-013268		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		-013268		A
	F1805-12030	N	1	BOLT, W/WASHER	B/W	4	4	013268-			A V
14	F2515-12000		D	WASHER, SPRING		4	4		-013268		A
15	F1035-10020		C	BOLT		3	3		-013268		A
	F1805-10020	N	1	BOLT, W/WASHER	B/W	3	3	013268-			A V
16	F2515-10000		D	WASHER, SPRING		3	3		-013268		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		-013268		
	05317-50701	1		CLAMP		1	1	013269-			
23	05317-02500	A		CLAMP		1	1	013269-			V

53-00-01 SEA WATER PUMP GENERAL

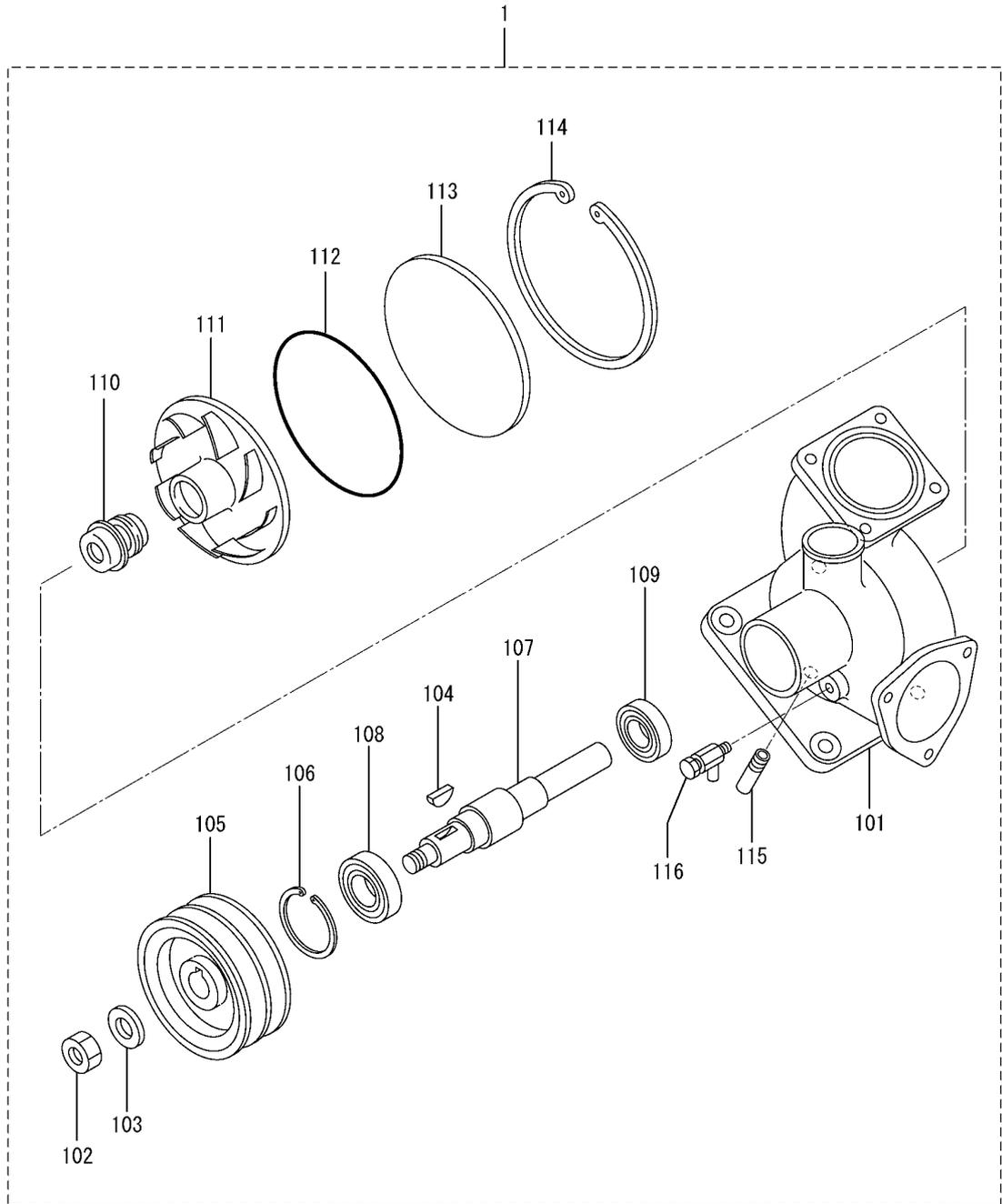


53-00-01 SEA WATER PUMP GENERAL

-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
					PTAW2K	PTAW2M		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		-012812		
	F1035-14045		C	BOLT		4	4		-013268	A	
	F1035-14040	N	1	BOLT		4	4	013269-		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		-013268	A	
	33311-01600	N	1	WASHER		4	4	013269-			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		-013268	A	
	F1805-10030	N	1	BOLT, W/WASHER	B/W	2	2	013269-		A	V
28	F1035-10025		C	BOLT		1	1		-013268	A	
	F1805-10025	N	1	BOLT, W/WASHER	B/W	1	1	013269-		A	V
29	F2515-10000		D	WASHER, SPRING		3	3		-013268	A	
30	F2500-10000			WASHER, PLAIN		3	3			A	
31	37895-10660		C	V-BELT, RAW EDGE	L=1960	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	1	1		-012812		
	47503-62920		A	PACKING		1	1	013269-		A	V

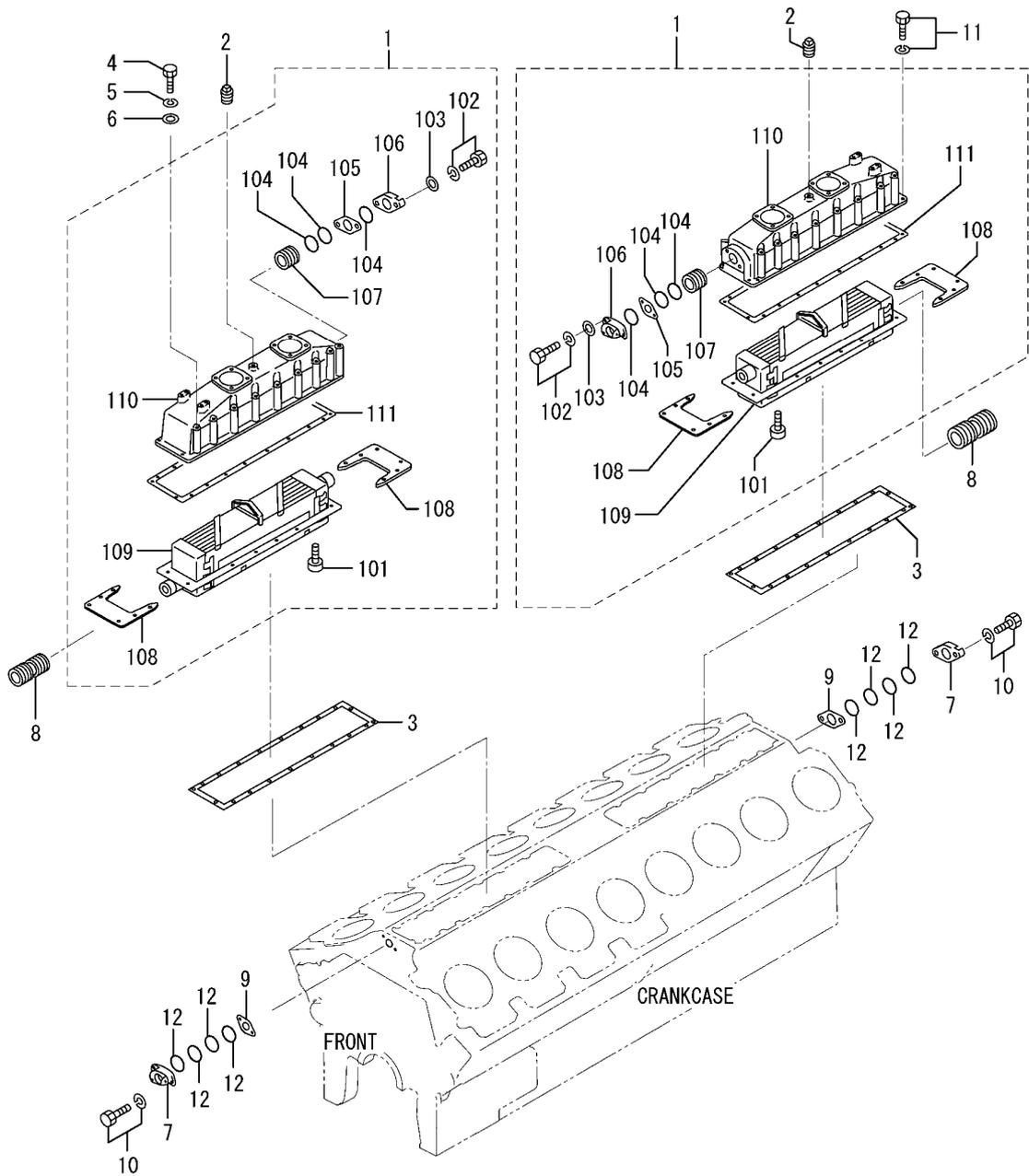
53-00-02 SEA WATER PUMP



53-00-02 SEA WATER PUMP

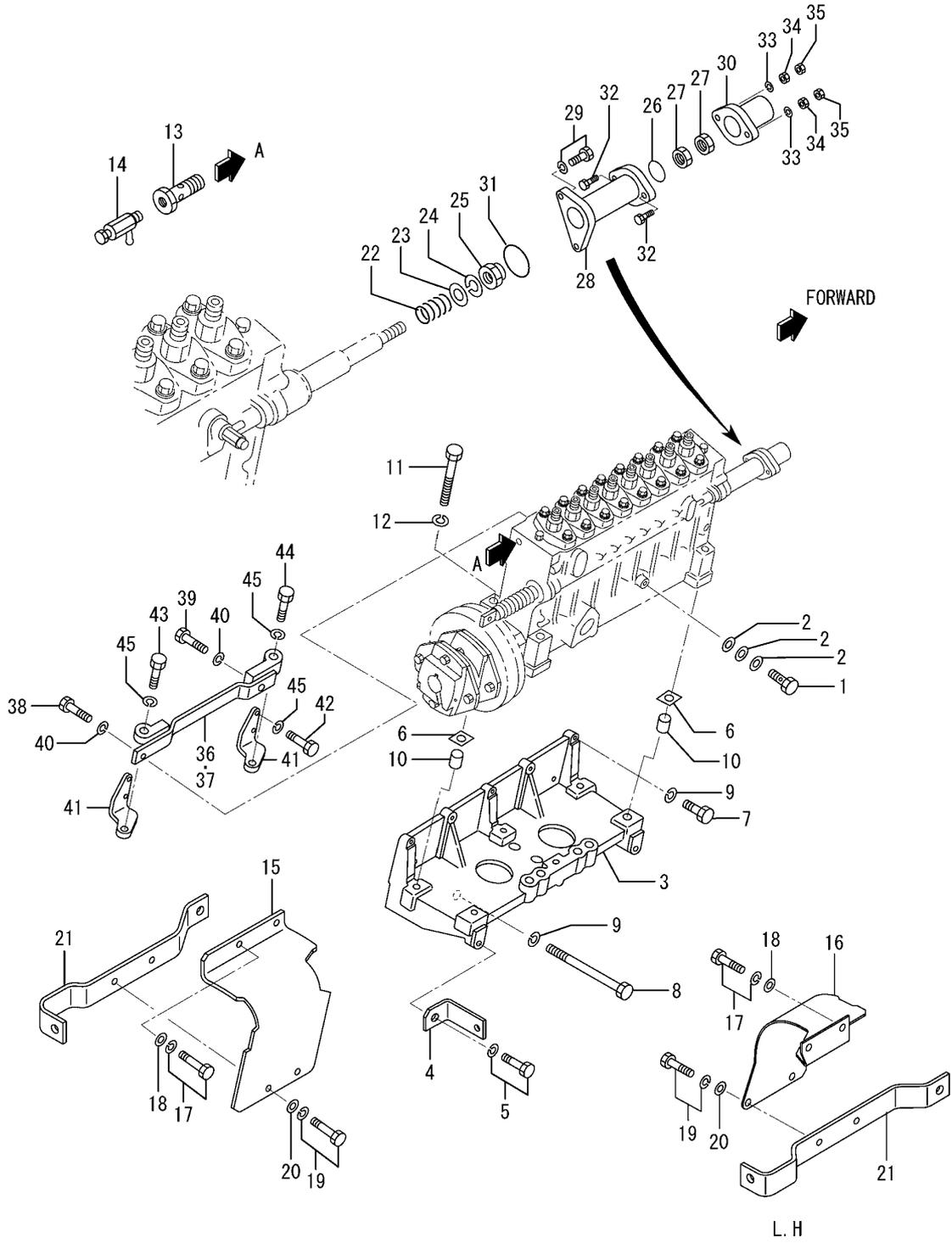
-107-

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
					PTAW2K	PTAW2M		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				



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
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	*			COOLER ASSY, AIR	2	2					
1 01	F1620-06012			SCREW, MACHINE	24	24					A
1 02	F1805-10030			BOLT, W/WASHER	4	4					A
1 03	F2500-10000			WASHER, PLAIN	4	4					A
1 04	05507-10460			O-RING	8	8					A
1 05	*			C GASKET	2	2					
	37555-10600	1	1	GASKET	2	2					A V
1 06	37555-04400			CONNECTOR	2	2					
1 07	37555-04501			PIPE ASSY	2	2					
1 08	37755-01400			PLATE	4	4					
1 09	37855-18100			ELEMENT, AIR COOLER	2	2					A
1 10	37855-11200			COVER, AIR COOLER	2	2					
1 11	37855-01500			GASKET	2	2					A
2	F5006-10000			PLUG, TAPERED	2	2					A
3	37855-00500			C GASKET	2	2		@013490			A
	37855-00700	3	1	GASKET	2	2					A V
4	05978-10180			BOLT	40	40					A
5	F2515-10000			WASHER, SPRING	40	40					A
6	58034-04400			WASHER	40	40					A
7	37555-04400			CONNECTOR	2	2					
8	37555-04500			PIPE, AIR COOLER	2	2					
9	37555-10600			GASKET	2	2					A
10	F1805-12030			BOLT, W/WASHER	4	4					A
11	F1805-10030			BOLT, W/WASHER	4	4					A
12	05507-10460			O-RING	8	8					A

61-00-01 FUEL INJECTION PUMP GENERAL



61-00-01 FUEL INJECTION PUMP GENERAL

-111-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D
					PTAW2K	PTAW2M		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	37762-13100			STAY, PIPE	1	1				
5	F1805-12030			BOLT, W/WASHER B/W	1	1				A
6	37561-00500			SHIM	6	6				
7	F1035-12050			BOLT	10	10				A
8	F1035-12130			BOLT	8	8				A
9	F2515-12000			WASHER, SPRING	18	18				A
10	37561-01800			PIN, DOWEL	4	4				A
11	F1035-12110			BOLT	12	12				A
12	F2515-12000			WASHER, SPRING	12	12				A
13	48230-05200			BOLT, EYE	2	2				A
14	31262-51901			COCK, AIR VENT	2	2				
15	37761-61700			COVER, COUPLING R. H	1	1				
16	37761-09700			COVER, COUPLING L. H	1	1				
17	F1805-12020			BOLT, W/WASHER B/W	4	4				A
18	F2500-12000			WASHER, PLAIN	4	4				A
19	F1805-10025			BOLT, W/WASHER B/W	4	4				A
20	F2500-10000			WASHER, PLAIN	4	4				A
21	37761-11800			STAY	2	2				
22	37561-11900			SPRING, RETURN	2	2				A
23	F2500-10000			WASHER, PLAIN	2	2				A
24	F2515-10000			WASHER, SPRING	2	2				A
25	F2445-10000			NUT, SELF LOCKING	2	2				A
26	05507-10360			O-RING	2	2				A
27	F2325-08000			NUT, JAM	4	4				A
28	37561-62800			CASE, SPRING	2	2				
29	F1805-08030			BOLT, W/WASHER B/W	4	4				A
30	37761-15600			CAP, RACK SET	2	2				
31	05507-10390			O-RING	2	2				A
32	F1035-08045			BOLT	4	4				A
33	F2515-08000			WASHER, SPRING	4	4				A
34	37564-05200			NUT, TAMPER PROOF	4	4				
35	F2445-08000			NUT, SELF LOCKING	4	4				A
36	37861-11501			STAY, INJ PUMP R. H	1	1				
37	37861-11601			STAY, INJ PUMP L. H	1	1				
38	F1035-14030			BOLT	3	3				A
39	F1035-14040			BOLT	1	1				A
40	F2515-14000			WASHER, SPRING	4	4				A
41	37761-21601			STAY, INJ PUMP	4	4				
42	F1035-12030			BOLT	8	8				A
43	F1035-12040			BOLT	3	3				A
44	F1035-12050			BOLT	1	1				A
45	F2515-12000			WASHER, SPRING	12	12				A

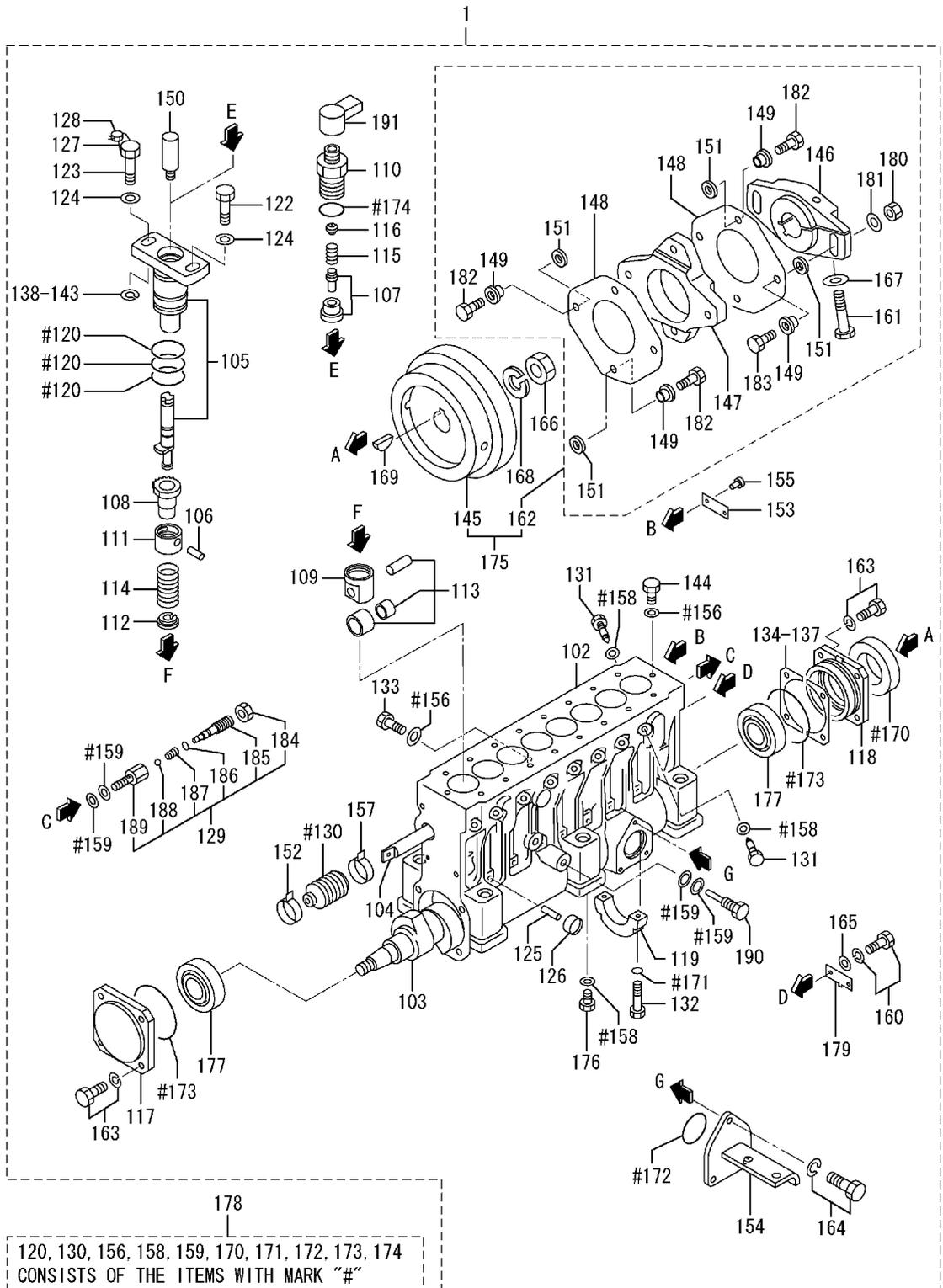
61-00-02 INJECTION PUMP, L.H

-113-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	*		C	PUMP ASSY, INJ	1	1					
1 02	48A70-08004	1	1	PUMP ASSY, INJ	1	1					V
1 03	48A33-00101			CASE, INJ PUMP	1	1					
	48213-40200		C	CAMSHAFT	1	1					
	48213-40203	R	1	CAMSHAFT	1	1					V
1 04	48213-50200	R	2	CAMSHAFT	1	1					V
	48A32-00102		C	RACK	1	1		012813-	-012812		V
1 05	48A32-10102	N	1	RACK	1	1					V
	*		C	PLUNGER ASSY	8	8					
	48A11-08000	1	1	PLUNGER ASSY	8	8					V
1 06	49168-18800			PIN, KNOCK	8	8					
1 07	48270-50010			VALVE ASSY, DELIVERY	8	8					
1 08	48A11-02100			PINION	8	8					
1 09	48202-35900			TAPPET	8	8					
1 10	48270-14101			HOLDER, VALVE	8	8					
1 11	48202-21201			SEAT, UPPER SPRING	8	8					
1 12	48202-21301			SEAT, LOWER SPRING	8	8					
1 13	48A15-01000		C	TAPPET ASSY, ROLLER	8	8					
	48A15-01001	N	1	TAPPET ASSY, ROLLER	8	8		012813-	-012812		V
1 14	48202-11700			SPRING, PLUNGER	8	8					A
1 15	48270-11800			SPRING, VALVE	8	8					A
1 16	48A16-00101			STOPPER	8	8					
1 17	48210-35601			COVER, FRONT	1	1					
1 18	48202-22201			COVER, REAR	1	1					
1 19	48202-02300			BEARING, CENTER	1	1					
1 20	48202-12400			O-RING	24	24					A
1 21	48202-32500			BUSHING, RACK	2	2					
1 22	48202-02600			BOLT, BARREL	8	8					
1 23	48202-07600			BOLT, BARREL	8	8					
1 24	48202-22800			WASHER, BARREL	16	16					
1 25	48202-02900			PIN	9	9					A
1 26	04826-21000			CAP, SEALING	9	9					
1 27	48202-05800			WIRE, SEAL	1	1					
1 28	48202-07700			SEAL	1	1					A
1 29	48202-54001			VALVE ASSY, CHECK	1	1					
1 30	48202-23500			BELLOWS	1	1					
1 31	48A13-01100			BOLT, DEFLECTOR	16	16					
1 32	MF140235			BOLT	2	2					A
1 33	48202-33900			SCREW, SET	1	1					
1 34	48202-14100			SHIM, CASE	4	4					
1 35	48202-14200			SHIM, CASE	1	1					
1 36	48202-14300			SHIM, CASE	1	1					
1 37	48202-14400			SHIM, CASE	2	2					
1 38	48202-04800			SHIM, BARREL	AR	AR					
1 39	48202-04900			SHIM, BARREL	AR	AR					
1 40	48250-04400			SHIM, BARREL	16	16					
1 41	48202-04500			SHIM, BARREL	1	1					
1 42	48202-04600			SHIM, BARREL	AR	AR					
1 43	48202-04700			SHIM, BARREL	AR	AR					
1 44	48202-05500			BOLT, EYE	2	2					A

61-00-02 INJECTION PUMP, L.H

-114-



61-00-02 INJECTION PUMP, L.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
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1 45	48251-00100			FLYWHEEL	1	1					
1 46	48C17-03200		C	COUPLING	1	1					
	48C17-11200	N	1	COUPLING	1	1		013274-	-013273		V
1 47	48251-10300			COUPLING, CROSS	1	1					
1 48	48251-11400			PLATE, LAMINATE	14	14					
1 49	48251-10500		C	BUSHING	8	8					
	48251-20500	N	1	BUSHING	8	8		013274-	-013273		V
1 50	48291-00301			HOLDER, PLUNGER	8	8					
1 51	48251-10400		C	WASHER, COUPLING	8	8					
	48251-20400	N	1	WASHER, COUPLING	8	8		013274-	-013273		V
1 52	48202-08200			BAND	1	1					
1 53	*			PLATE, NAME	1	1					
1 54	37762-06100			BRACKET	1	1					
1 55	00665-02048			RIVET, SCREW	2	2					
1 56	05946-00801			WASHER, SEALING	3	3					A
1 57	48202-08300			BAND	1	1					
1 58	05946-01201			WASHER, SEALING	17	17					A
1 59	05946-01401			WASHER, SEALING	4	4					A
1 60	F1805-06012			BOLT, W/WASHER	2	2	B/W				A
1 61	F1035-14085			BOLT	1	1					A
1 62	48251-23018		C	COUPLING KIT	1	1					
	48251-31018	N	1	COUPLING KIT	1	1		013274-	-013273		V
1 63	F1805-08025			BOLT, W/WASHER	8	8	B/W				A
1 64	F1805-06020			BOLT, W/WASHER	3	3	B/W				A
1 65	F2500-06000			WASHER, PLAIN	2	2					A
1 66	F2325-24000			NUT, JAM	1	1					A
1 67	48A17-08100			WASHER, SPRING	1	1					A
1 68	32507-01400			WASHER	1	1					A
1 69	F2870-07025			KEY, WOODRUFF	1	1					
1 70	48202-07100			SEAL, OIL	1	1					A
1 71	05507-10080			O-RING	2	2					A
1 72	05507-20350			O-RING	1	1					A
1 73	05507-20800			O-RING	2	2					A
1 74	05507-20250			O-RING	8	8					A
1 75	48251-13010		C	COUPLING ASSY	1	1					
	48251-31010	N	1	COUPLING ASSY	1	1		013274-			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	CONSISTS OF "#"				A
1 79	48A13-02200			POINTER	1	1					
1 80	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					

61-00-03 INJECTION PUMP, R.H

-119-

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
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	*			C PUMP ASSY, INJ	1	1					
1 02	48A80-08004	1	1	PUMP ASSY, INJ	1	1					V
1 03	48A43-00101			CASE, INJ PUMP	1	1					
	48213-40200			C CAMSHAFT	1	1					
	48213-40203	R	1	C CAMSHAFT	1	1					V
1 04	48213-50200	R	2	CAMSHAFT	1	1					V
	48A32-10102			C RACK	1	1		012813-	-012812		V
	48A32-10102	N	1	RACK	1	1					V
1 05	48A11-08000			PLUNGER ASSY	8	8					
1 06	49168-18800			PIN, KNOCK	8	8					
1 07	48270-50010			VALVE ASSY, DELIVERY	8	8					
1 08	48A11-02100			PINION	8	8					
1 09	48202-35900			TAPPET	8	8					
1 10	48270-14101			HOLDER, VALVE	8	8					
1 11	48202-21201			SEAT, UPPER SPRING	8	8					
1 12	48202-21301			SEAT, LOWER SPRING	8	8					
1 13	48A15-01000			C TAPPET ASSY, ROLLER	8	8		012813-	-012812		V
	48A15-01001	N	1	TAPPET ASSY, ROLLER	8	8					A
1 14	48202-11700			SPRING, PLUNGER	8	8					A
1 15	48270-11800			SPRING, VALVE	8	8					A
1 16	48A16-00101			STOPPER	8	8					
1 17	48210-35601			COVER, FRONT	1	1					
1 18	48202-22201			COVER, REAR	1	1					
1 19	48202-02300			BEARING, CENTER	1	1					
1 20	48202-12400			O-RING	24	24					A
1 21	48202-32500			BUSHING, RACK	2	2					
1 22	48202-02600			BOLT, BARREL	8	8					
1 23	48202-07600			BOLT, BARREL	8	8					
1 24	48202-22800			WASHER, BARREL	16	16					
1 25	48202-02900			PIN	9	9					A
1 26	04826-21000			CAP, SEALING	9	9					
1 27	48202-05800			WIRE, SEAL	1	1					
1 28	48202-07700			SEAL	1	1					A
1 29	48202-54001			VALVE ASSY, CHECK	1	1					
1 30	48202-23500			BELLOWS	1	1					
1 31	48A13-01100			BOLT, DEFLECTOR	16	16					
1 32	MF140235			BOLT	2	2					A
1 33	48202-33900			SCREW, SET	1	1					
1 34	48202-14100			SHIM, CASE T=0.50	4	4					
1 35	48202-14200			SHIM, CASE T=0.10	1	1					
1 36	48202-14300			SHIM, CASE T=0.15	1	1					
1 37	48202-14400			SHIM, CASE T=0.30	2	2					
1 38	48202-04800			SHIM, BARREL T=1.10	AR	AR					
1 39	48202-04900			SHIM, BARREL T=1.30	AR	AR					
1 40	48250-04400			SHIM, BARREL T=0.70	16	16					
1 41	48202-04500			SHIM, BARREL T=0.80	1	1					
1 42	48202-04600			SHIM, BARREL T=0.90	AR	AR					
1 43	48202-04700			SHIM, BARREL T=1.00	AR	AR					
1 44	48202-05500			BOLT, EYE	2	2					A
1 45	48251-00100			FLYWHEEL	1	1					

61-00-03 INJECTION PUMP, R.H

-121-

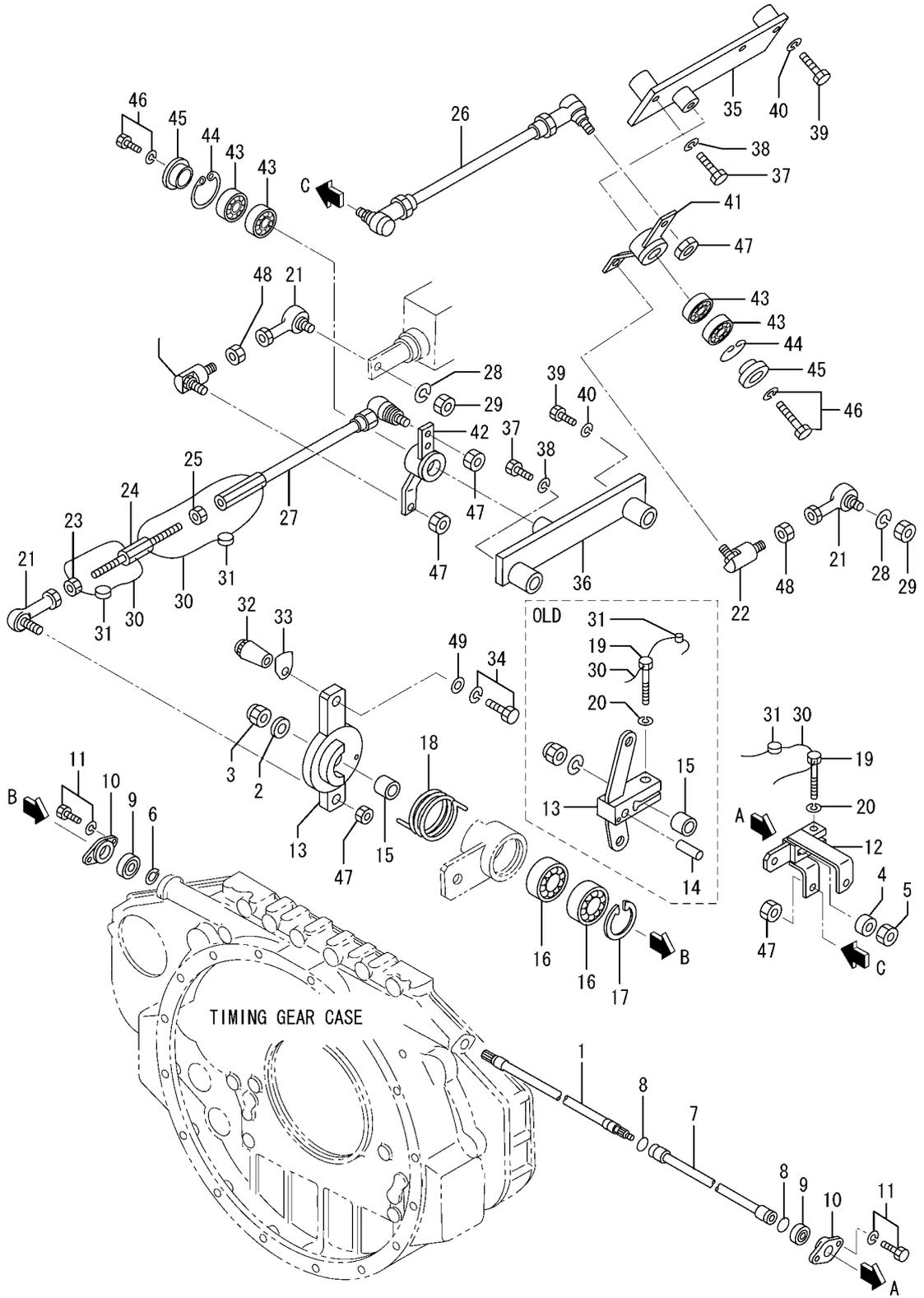
REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1 46	48C17-03200		C	COUPLING	1	1					
	48C17-11200	N 1		COUPLING	1	1		013274-	-013273		V
1 47	48251-10300			COUPLING, CROSS	1	1					
1 48	48251-11400			PLATE, LAMINATE	14	14					
1 49	48251-10500		C	BUSHING	8	8			-013273		
	48251-20500	N 1		BUSHING	8	8		013274-			V
1 50	48291-00301			HOLDER, PLUNGER	8	8					
1 51	48251-10400		C	WASHER, COUPLING	8	8			-013273		
	48251-20400	N 1		WASHER, COUPLING	8	8		013274-			V
1 52	48202-08200			BAND	1	1					
1 53	*			PLATE, NAME	1	1					
1 54	37762-06100			BRACKET	1	1					
1 55	00665-02048			RIVET, SCREW	2	2					
1 56	05946-00801			WASHER, SEALING	3	3					A
1 57	48202-08300			BAND	1	1					
1 58	05946-01201			WASHER, SEALING	17	17					A
1 59	05946-01401			WASHER, SEALING	4	4					A
1 60	F1805-06012			BOLT, W/WASHER	2	2	B/W				A
1 61	F1035-14085			BOLT	1	1					A
1 62	48251-23018		C	COUPLING KIT	1	1			-013273		
	48251-31018	N 1		COUPLING KIT	1	1		013274-			V
1 63	F1805-08025			BOLT, W/WASHER	8	8	B/W				A
1 64	F1805-06020			BOLT, W/WASHER	3	3	B/W				A
1 65	F2500-06000			WASHER, PLAIN	2	2					A
1 66	F2325-24000			NUT, JAM	1	1					A
1 67	48A17-08100			WASHER, SPRING	1	1					A
1 68	32507-01400			WASHER	1	1					A
1 69	F2870-07025			KEY, WOODRUFF	1	1					
1 70	48202-07100			SEAL, OIL	1	1					A
1 71	05507-10080			O-RING	2	2					A
1 72	05507-20350			O-RING	1	1					A
1 73	05507-20800			O-RING	2	2					A
1 74	05507-20250			O-RING	8	8					A
1 75	48251-13000		C	COUPLING ASSY	1	1			-013273		
	48251-31000	N 1		COUPLING ASSY	1	1		013274-			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	CONSISTS OF "#"				A
1 79	48A13-02200			POINTER	1	1					
1 80	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	48202-05101		C	BOLT, EYE	1	1					A

61-01 FUEL RACK CONTROL

-125-

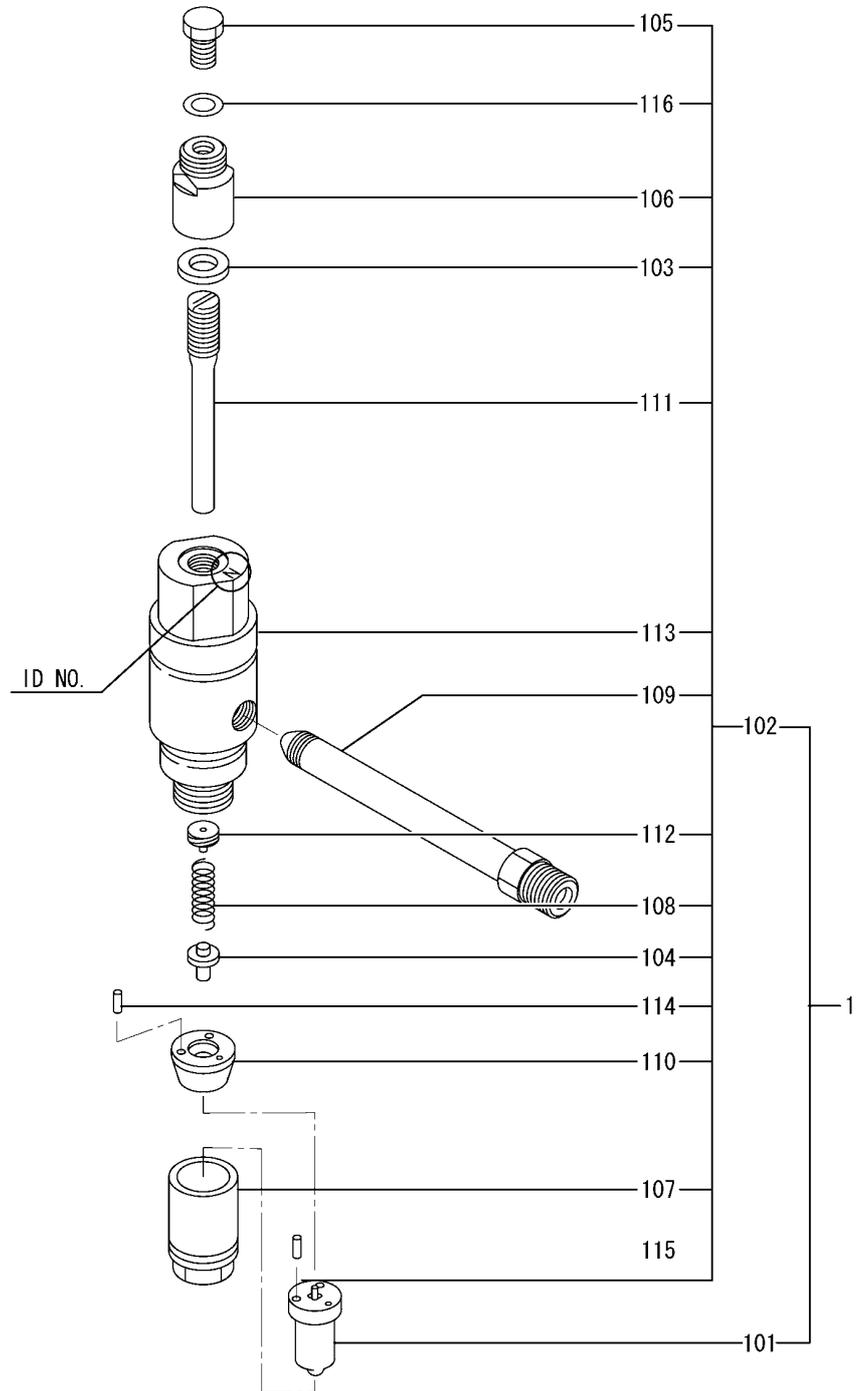
REF. -NO.	PART NO.	R / P	S E N G	C P Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
						PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37761-27100				SHAFT, CONTROL	1	1					
2	F2515-10000		C		WASHER, SPRING	1	1				A	
	34448-02100	N	1		WASHER	1	1		012813-	-012812	A	V
3	F2445-10000				NUT, SELF LOCKING	1	1				A	
4	37763-06200				SPACER	1	1					
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			-012812		
	37761-67200	G	1		LEVER, L. H	1	1		012813-			V
14	37761-09800		D		PIN, DOWEL	1	1			-012812	A	
15	91365-03200		C		SPACER	1	1			-012812		
	37432-06800	N	1	C	SPACER	1	1		012813-			V
	37432-06801	R	2		SPACER	1	1		012813-			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			-012812	A	
	F1115-08025	1			BOLT, LOCKING WIRE	1	1		012813-		A	
20	F2515-08000		Q		WASHER, SPRING	2	2			-012812	A	
	F2515-08000	1			WASHER, SPRING	1	1		012813-		A	
21	35A61-38600		C		JOINT, BALL	3	3			-012812	A	
	35A61-38601	3	1		JOINT, BALL	3	3				A	V
22	37563-15400		C		JOINT, BALL	2	2			-012812		
	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			-012812		
	37761-28701	3	1		L INK, R. H	1	1					V
27	37761-28800		C		L INK, L. H	1	1			-012812		
	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		
	35A61-19900	1			WIRE, SEAL	3	3		012934-			
31	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	

61-01 FUEL RACK CONTROL



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
39	F1035-12065			BOLT	2	2				A	
40	F2515-12000			WASHER, SPRING	2	2				A	
41	37761-17700			LEVER, LINK	1	1					
42	37761-27800			LEVER, LINK	1	1					
43	F8007-06200			BEARING, BALL	4	4				A	
44	F3202-03000			RING, SNAP	2	2				A	
45	32561-18300			PLATE, END	2	2					
46	F1805-10040			BOLT, W/WASHER	2	2				A	
47	F2445-08000			NUT, SELF LOCKING	6	6				A	
48	F2300-08000			NUT	2	2				A	
49	F2500-08000			WASHER, PLAIN	1	1				A	

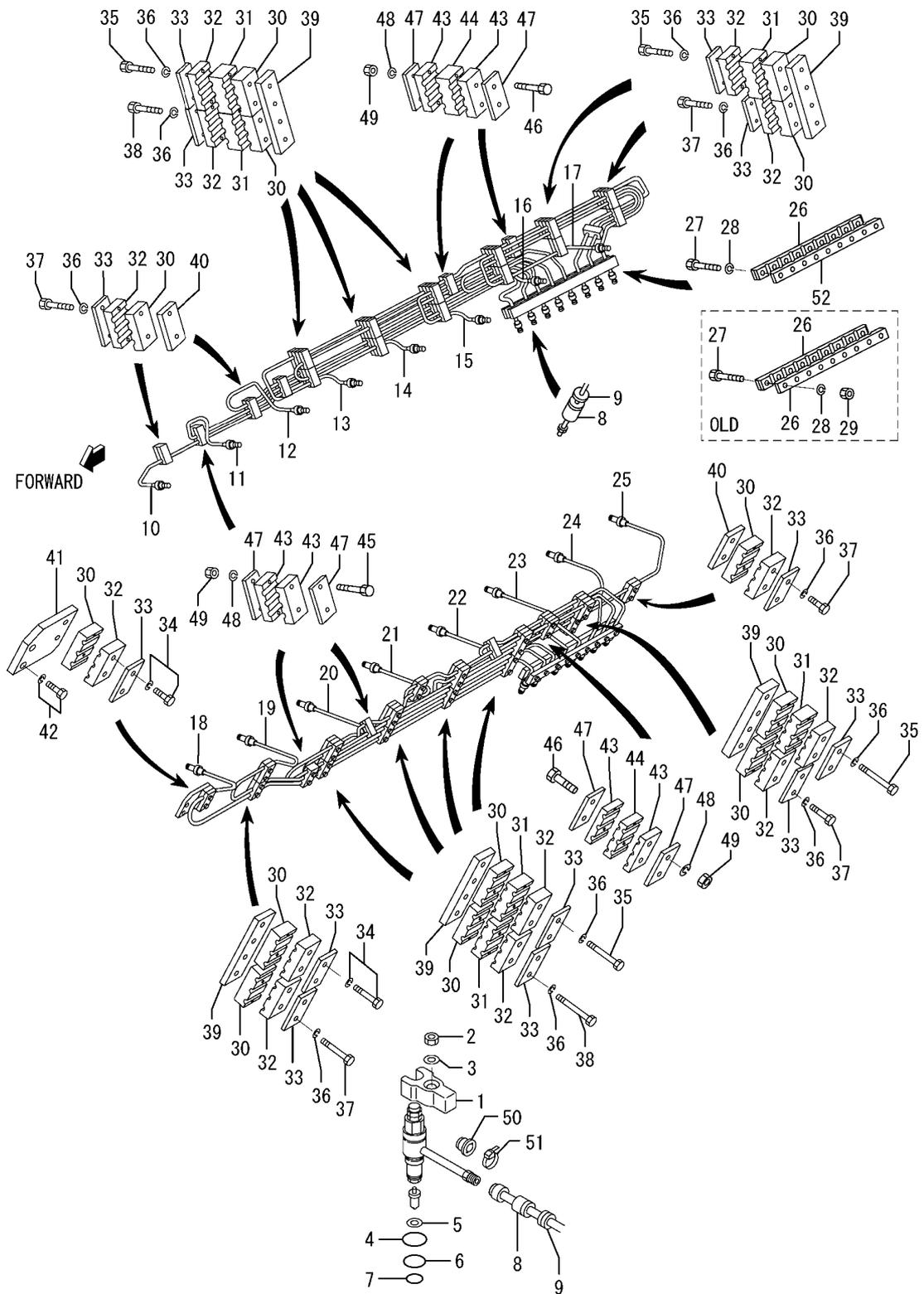
61-02-01 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.31MM)



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

61-02-02 FUEL SYSTEM

-130-

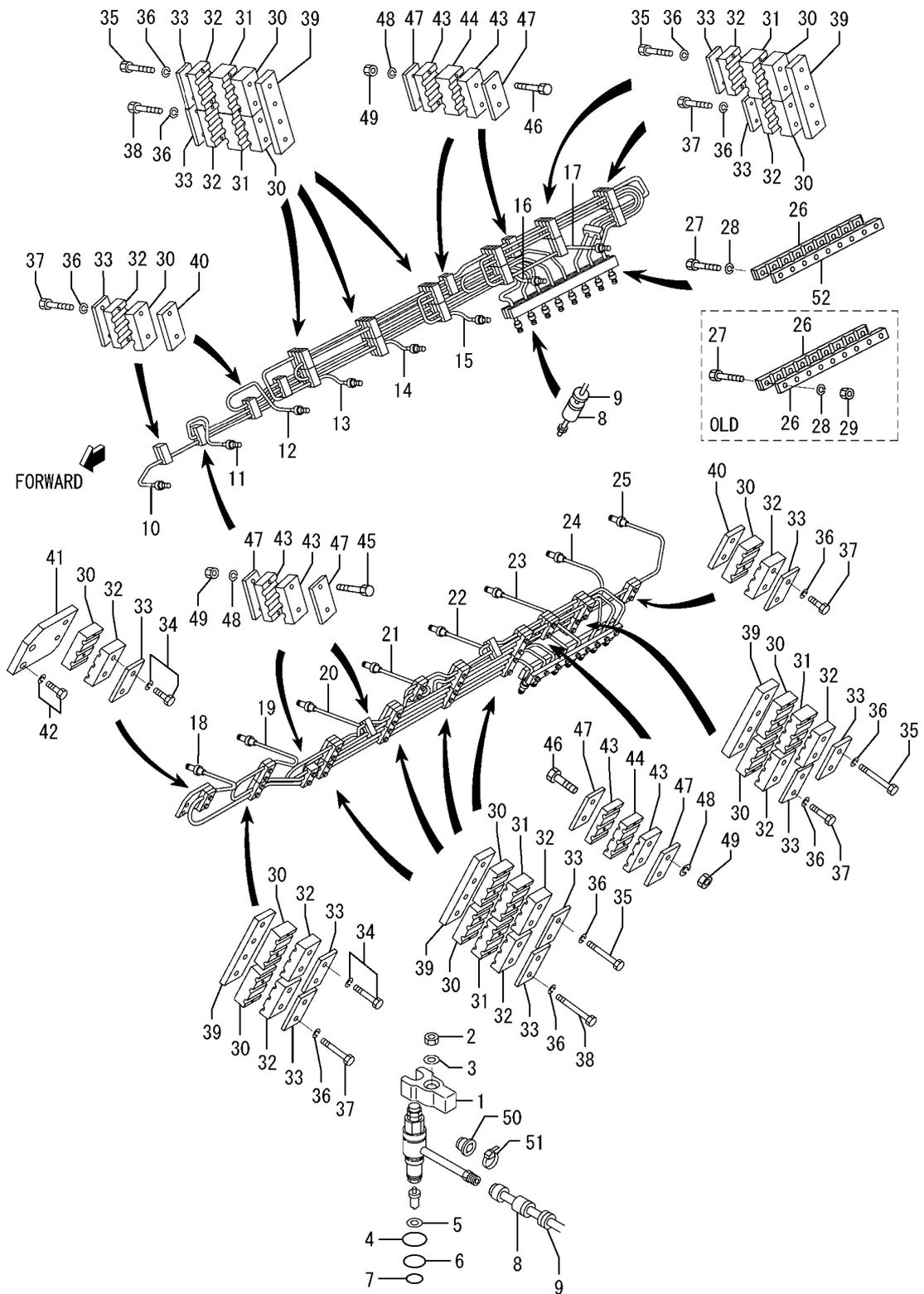


61-02-02 FUEL SYSTEM

-131-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		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		Q	CLAMP	4	4			-012812		
27	37861-01800	1		CLAMP	2	2		012813-			
27	F1035-08035		C	BOLT	18	18			-012812	A	
28	F1035-08030	N 1		BOLT	18	18		012813-		A	V
28	F2515-08000			WASHER, SPRING	18	18				A	
29	F2300-08000		D	NUT	18	18			-012812	A	
30	37562-13300			CLAMP, PIPE	29	29					
31	37562-13400			SEAT, PIPE	19	19					
32	37562-13100			CLAMP, PIPE	29	29					
33	37562-15900			PLATE, CLAMP	29	29					
34	F1805-10055			BOLT, W/WASHER	6	6					A
35	F1035-10080			BOLT	22	22					A
36	F2515-10000			WASHER, SPRING	52	52					A
37	F1035-10065			BOLT	14	14					A
38	F1035-10090			BOLT	16	16					A
39	37761-03601			PLATE, CLAMP	13	13					
40	37761-03701			PLATE, CLAMP	2	2					
41	37761-09900			STAY, INJ PIPE	1	1					
42	F1805-10030			BOLT, W/WASHER	2	2					A
43	37562-13100			CLAMP, PIPE	20	20					
44	37562-13400			SEAT, PIPE	5	5					
45	F1035-10045			BOLT	10	10					A
46	F1035-10070			BOLT	10	10					A
47	37562-15900			PLATE, CLAMP	20	20					
48	F2515-10000			WASHER, SPRING	20	20					A

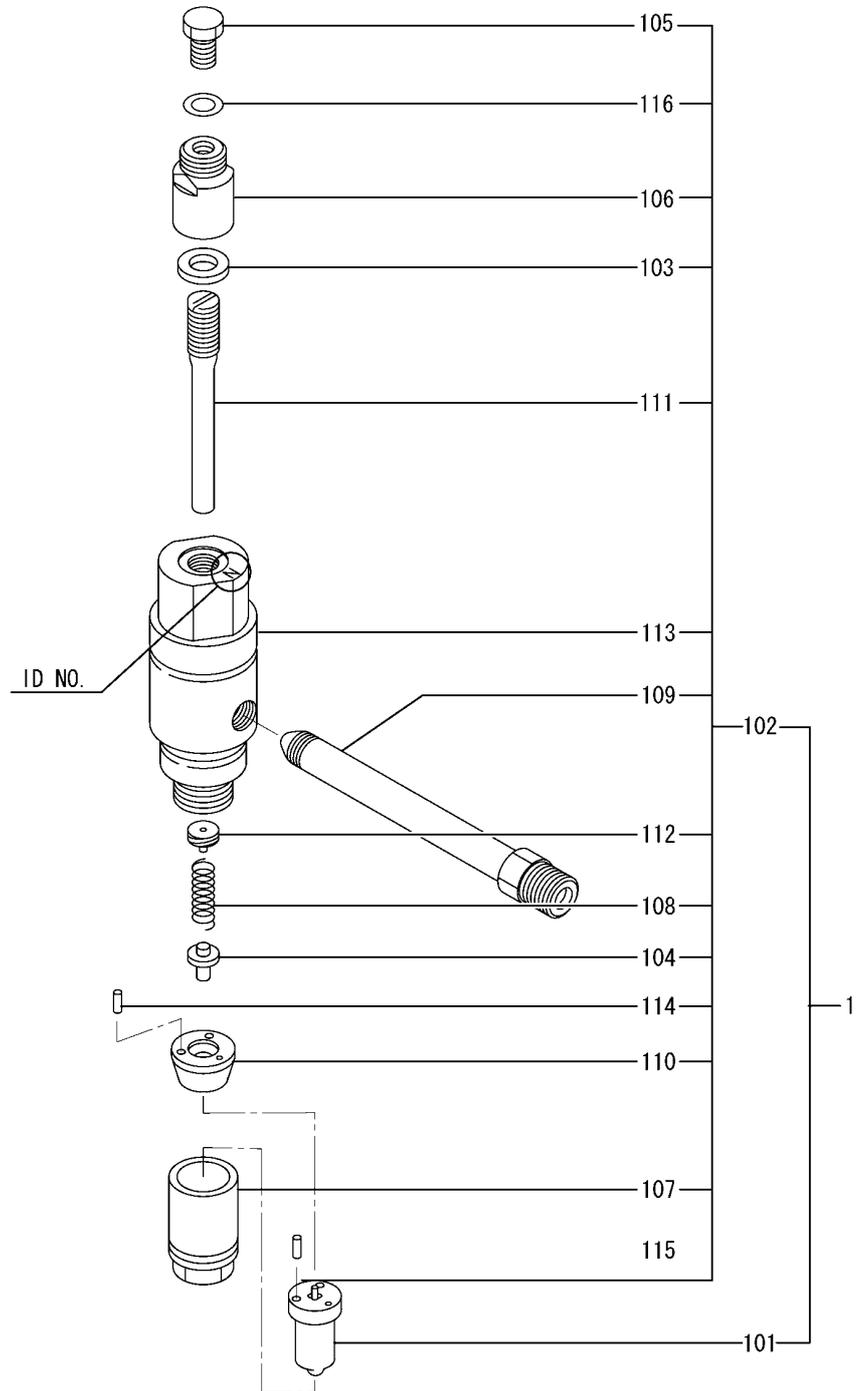
61-02-02 FUEL SYSTEM



61-02-02 FUEL SYSTEM

REF. -NO.	PART NO.	R / P	S EN Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
49	F2300-10000			NUT	20	20				A	
50	37561-08800			BUSHING	16	16					
51	05318-00300			BAND, CLIP	16	16					
52	37861-02900	A		CLAMP	2	2		012813-			V

61-02-03 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.29MM)

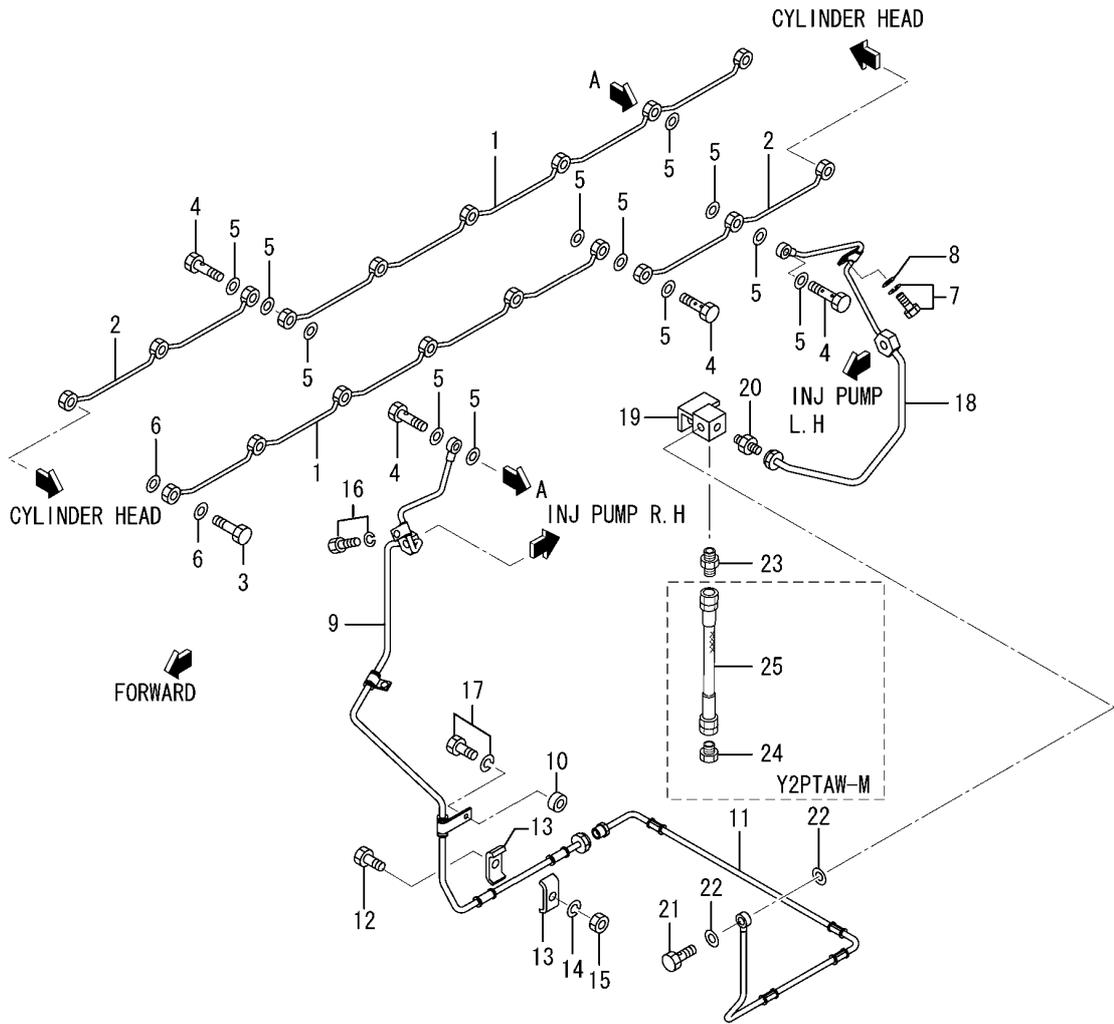


The nozzle holder has stamped ID NO. on the body to identify the nozzle specification.

61-02-03 NOZZLE ASSY(SPRAY HOLE
DIAMETER:0.29MM)

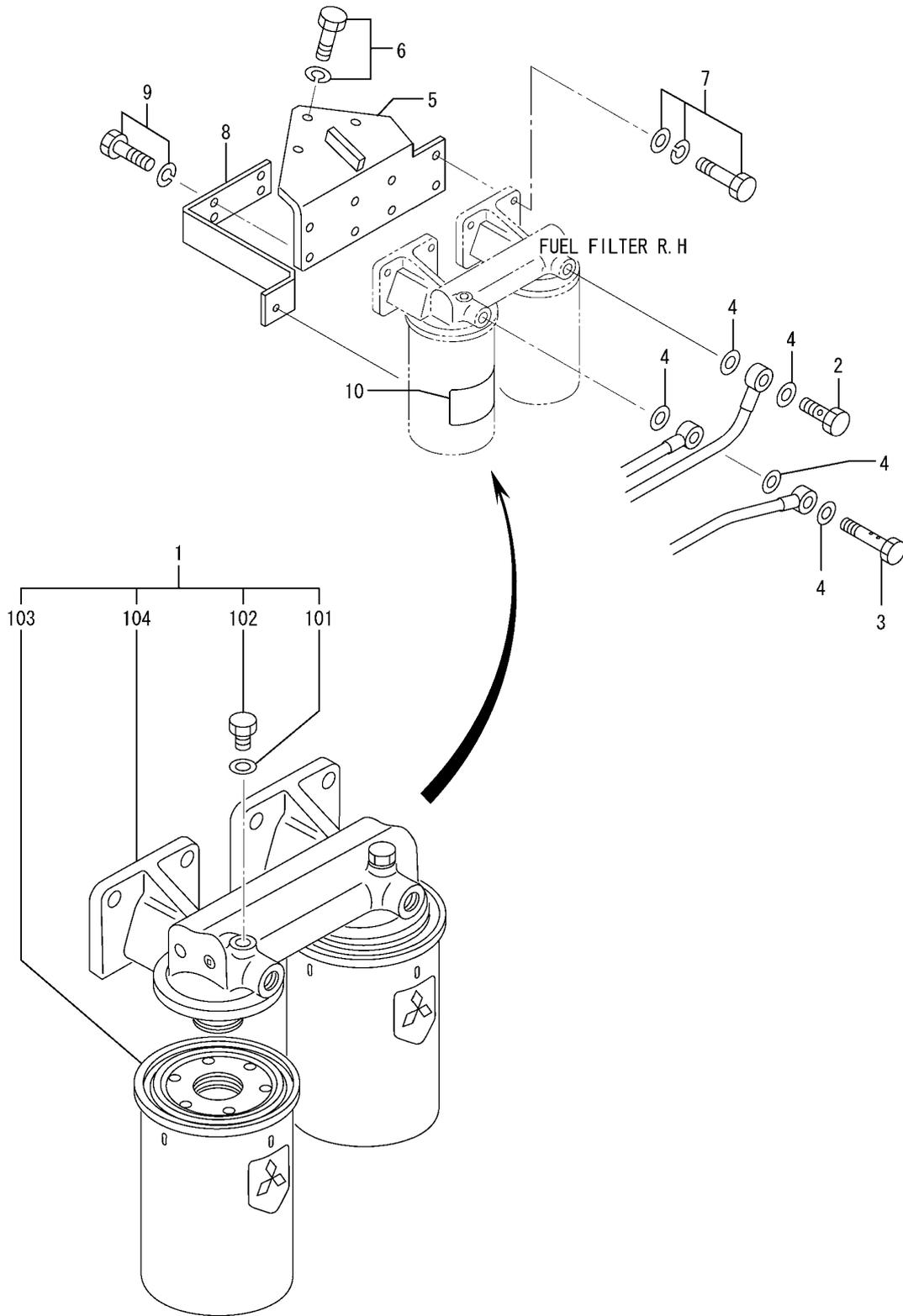
-135-

REF. -NO.	PART NO.	R / P	S EN G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37560-05000			A NOZZLE ASSY	16	16		012813-		A	V
1 01	37560-07900			A TIP ASSY, NOZZLE	16	16		012813-		A	V
1 02	37560-37010			A HOLDER ASSY, NOZZLE	16	16		012813-			V
1 03	05946-01401			A WASHER, SEALING	16	16		012813-		A	V
1 04	37561-13300			A ROD, PUSH	16	16		012813-			V
1 05	33407-03900			A SCREW, SET	16	16		012813-			V
1 06	37561-16600			A NUT, CAP	16	16		012813-			V
1 07	37561-26300			A NUT, RETAINING	16	16		012813-			V
1 08	37561-26400			A SPRING, NOZZLE	16	16		012813-			V
1 09	37561-56700			A CONNECTOR, INLET	16	16		012813-			V
1 10	37561-67013			A SPACER, NOZZLE	16	16		012813-			V
1 11	37561-46500			A SCREW, ADJUSTING	16	16		012813-		A	V
1 12	37561-09300			A SEAT, SPRING	16	16		012813-			V
1 13	37561-86100			A BODY, NOZZLE HOLDER	16	16		012813-			V
1 14	F8001-30014			A BEARING, ROLLER	32	32		012813-		A	V
1 15	F8001-40014			A BEARING, ROLLER	32	32		012813-		A	V
1 16	05946-01001			A WASHER, SEALING	16	16		012813-		A	V

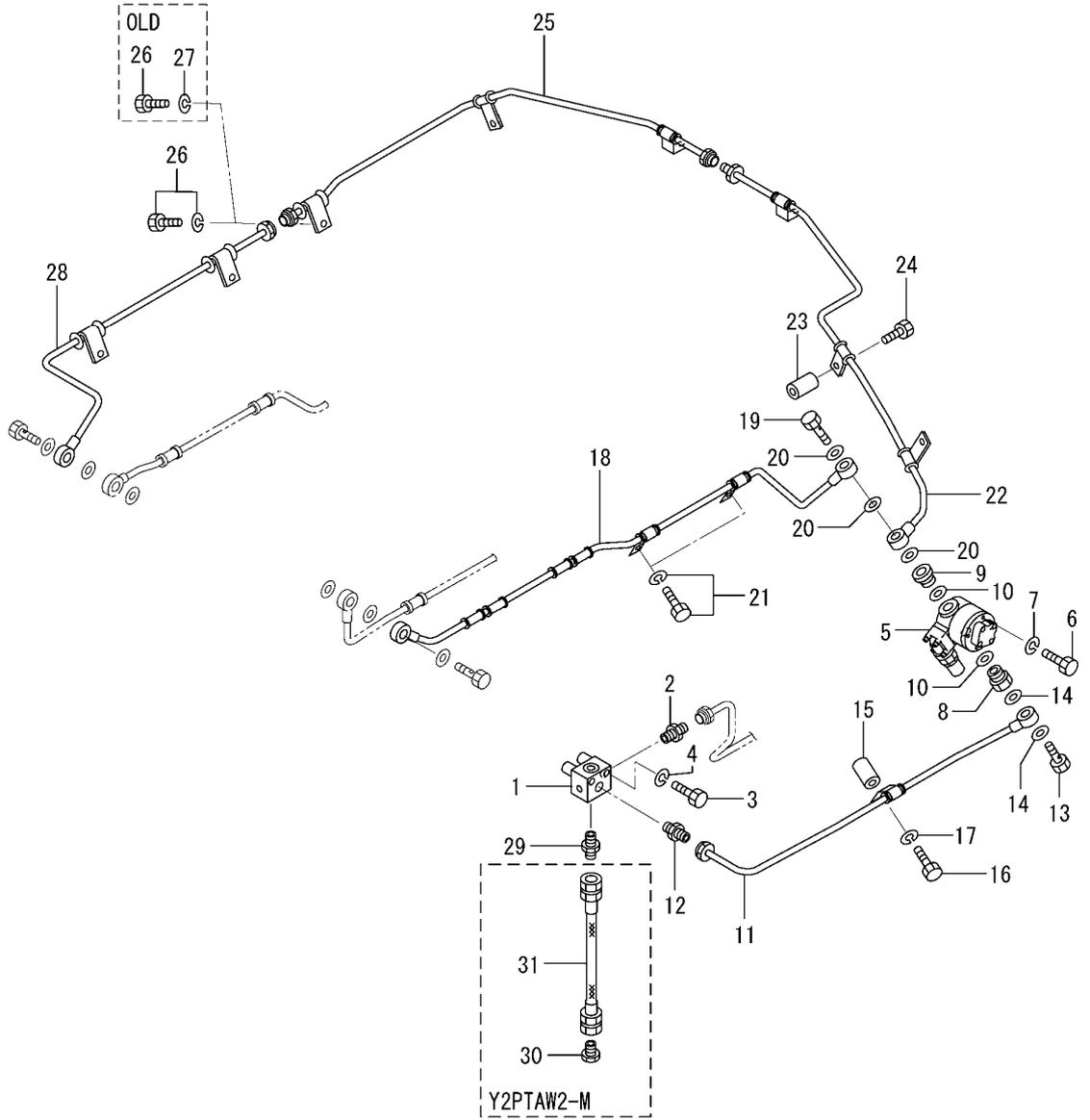


REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37761-04100			PIPE, FUEL LEAK-OFF	2	2					
2	37861-04200			PIPE, FUEL LEAK-OFF	2	2					
3	32536-09400			BOLT, EYE	12	12					
4	34A36-26100		C	BOLT, EYE	4	4					A
	34A36-36100	3	1	BOLT, EYE	4	4			-012812		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 FUEL FILTER



62-01-01 FUEL FILTER PIPING (FEED PUMP LINE)

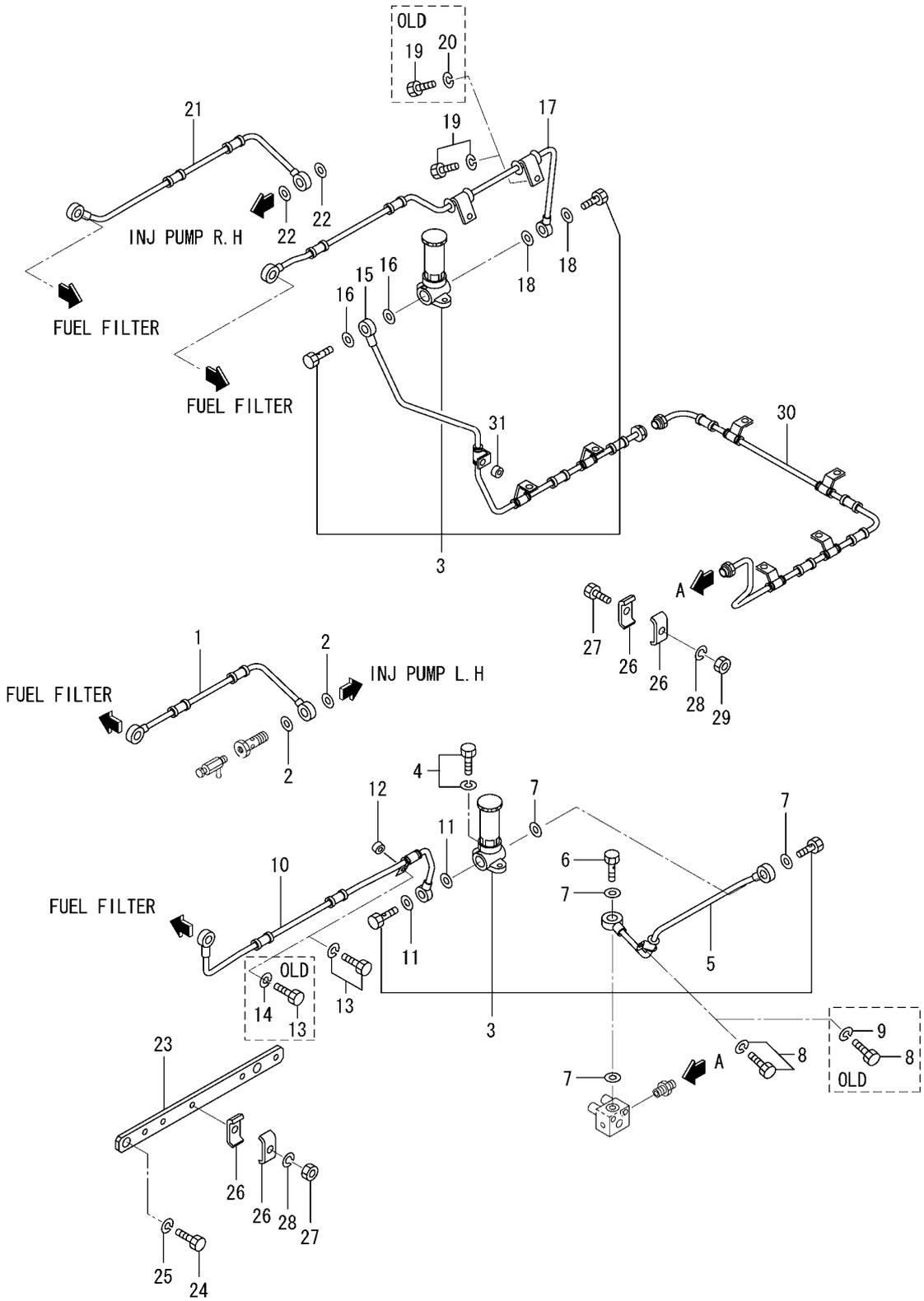


62-01-01 FUEL FILTER PIPING
(FEED PUMP LINE)

-141-

REF. -NO.	PART NO.	R / P	S EN G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37762-06500			CONNECTOR, FUEL	1	1					
2	F4540-10000			CONNECTOR	1	1					
3	05978-12095			BOLT	2	2				A	
4	F2515-12000			WASHER, SPRING	2	2				A	
5	35B60-20201		C	PUMP, FEED	1	1			-013273		
	35B60-20202	R	1	C PUMP, FEED	1	1			-013273		V
6	39A60-00100	N	2	PUMP, FUEL	1	1		013274-			V
7	05978-08095			BOLT	2	2				A	
8	F2515-08000			WASHER, SPRING	2	2				A	
	35B62-04600			CONNECTOR	1	1					
9	39A61-01400			CONNECTOR	1	1					
10	05946-02701			WASHER, SEALING	2	2				A	
11	37762-06600			PIPE, FUEL	1	1					
12	F4540-15000			CONNECTOR	1	1					
13	F4610-20000			BOLT, EYE	1	1				A	
14	05946-02001			WASHER, SEALING	2	2				A	
15	10B46-00500			PIPE	1	1					
16	F1035-12080			BOLT	1	1				A	
17	F2515-12000			WASHER, SPRING	1	1				A	
18	37862-06100			PIPE, FUEL	1	1					
19	35A74-12800			BOLT, EYE	1	1				A	
20	05946-01601			WASHER, SEALING	3	3				A	
21	F1805-10020			BOLT, W/WASHER	2	2				A	
22	37762-06700			PIPE, FUEL	1	1					
23	10B46-00500			PIPE	2	2					
24	F1035-12050			BOLT	1	1				A	
25	37762-06800			PIPE, FUEL	1	1					
26	F1035-12020		C	BOLT	2	2			-012812	A	
	F1805-12020	N	1	BOLT, W/WASHER	2	2		012813-		A	V
27	F2515-12000	D		WASHER, SPRING	2	2			-012812	A	
28	37862-06200			PIPE, FUEL	1	1					
29	F4540-20000			CONNECTOR	1	1					
30	00428-20030			CONNECTOR	-	1					
31	45950-51700			PIPE, FLEXIBLE	-	1					

62-01-02 FUEL FILTER PIPING (INJ PUMP LINE)

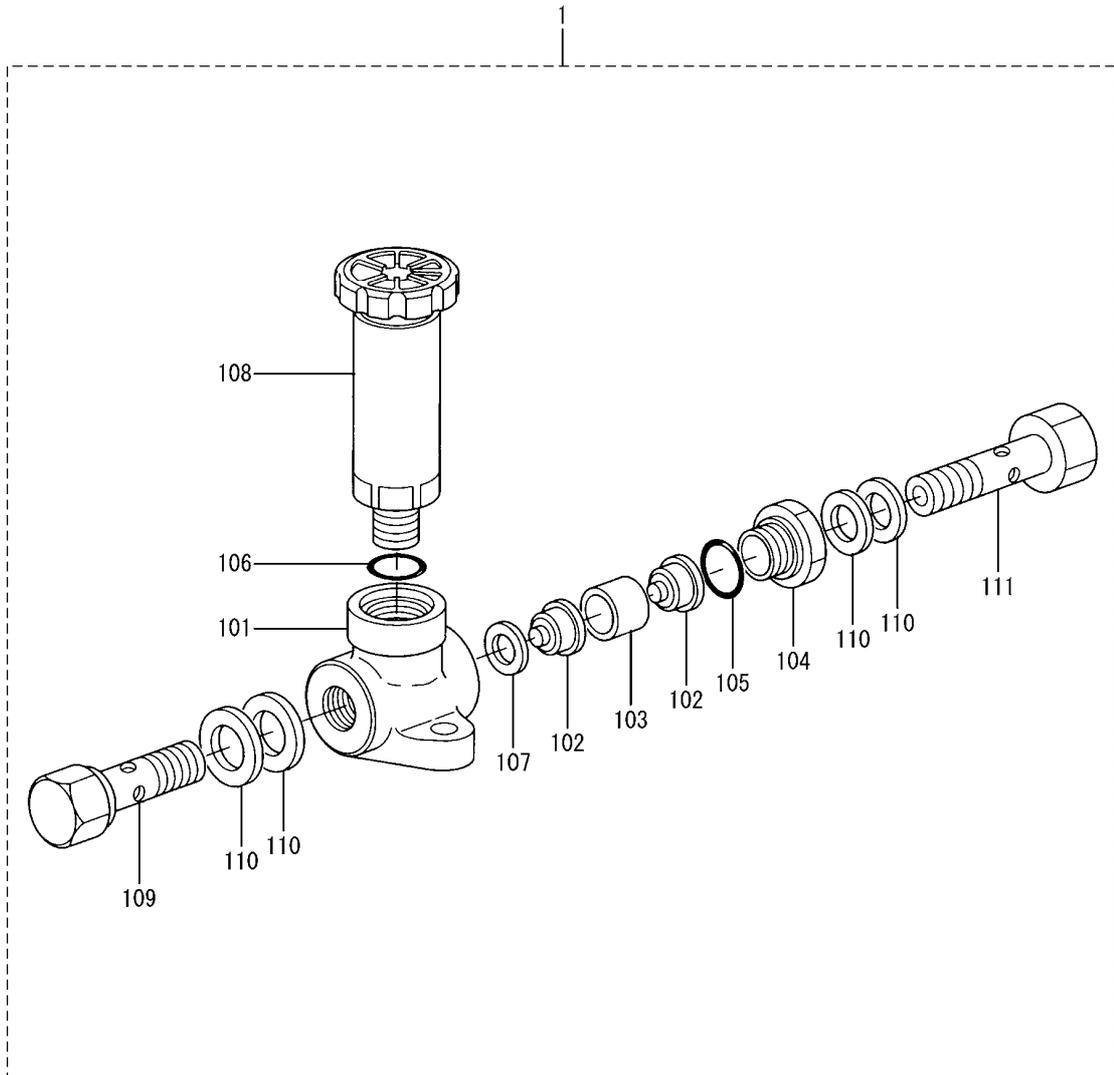


62-01-02 FUEL FILTER PIPING
(INJ PUMP LINE)

-143-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		FROM@-	-@UPTO		
1	37862-06300			PIPE, FUEL	1	1					
2	05946-01401			WASHER, SEALING	2	2				A	
3	35C60-03100			PUMP ASSY, PRIMING	2	2					
4	F1805-08020			BOLT, W/WASHER	4	4				A	
5	37862-06500			PIPE, FUEL	1	1					
6	F4610-14000			BOLT, EYE	1	1				A	
7	05946-01401			WASHER, SEALING	4	4				A	
8	F1035-12020		C	BOLT	1	1			-012812	A	
	F1805-12020	N 1		BOLT, W/WASHER	1	1		012813-		A	V
9	F2515-12000		D	WASHER, SPRING	1	1			-012812	A	
10	37862-06700			PIPE, FUEL	1	1					
11	05946-01401			WASHER, SEALING	2	2				A	
12	30668-52600			SPACER	1	1					
13	F1035-10030		C	BOLT	1	1			-012812	A	
	F1805-10030	N 1		BOLT, W/WASHER	1	1		012813-		A	V
14	F2515-10000		D	WASHER, SPRING	1	1			-012812	A	
15	37862-06600			PIPE, FUEL	1	1					
16	05946-01401			WASHER, SEALING	2	2				A	
17	37862-06800			PIPE, FUEL	1	1					
18	05946-01401			WASHER, SEALING	2	2				A	
19	F1035-10020		C	BOLT	2	2			-012812	A	
	F1805-10020	N 1		BOLT, W/WASHER	2	2		012813-		A	V
20	F2515-10000		D	WASHER, SPRING	2	2			-012812	A	
21	37862-06400			PIPE, FUEL	1	1					
22	05946-01401			WASHER, SEALING	2	2				A	
23	37762-06200			STAY, PIPE	2	2					
24	F1035-14030			BOLT	4	4				A	
25	F2515-14000			WASHER, SPRING	4	4				A	
26	35B62-07100			CLAMP	12	12					
27	F1035-10045			BOLT	6	6				A	
28	F2515-10000			WASHER, SPRING	6	6				A	
29	F2300-10000			NUT	4	4				A	
30	37762-61400			PIPE, FUEL	1	1					
31	37736-01500			SPACER	1	1					

62-01-03 PRIMING PUMP ASSY

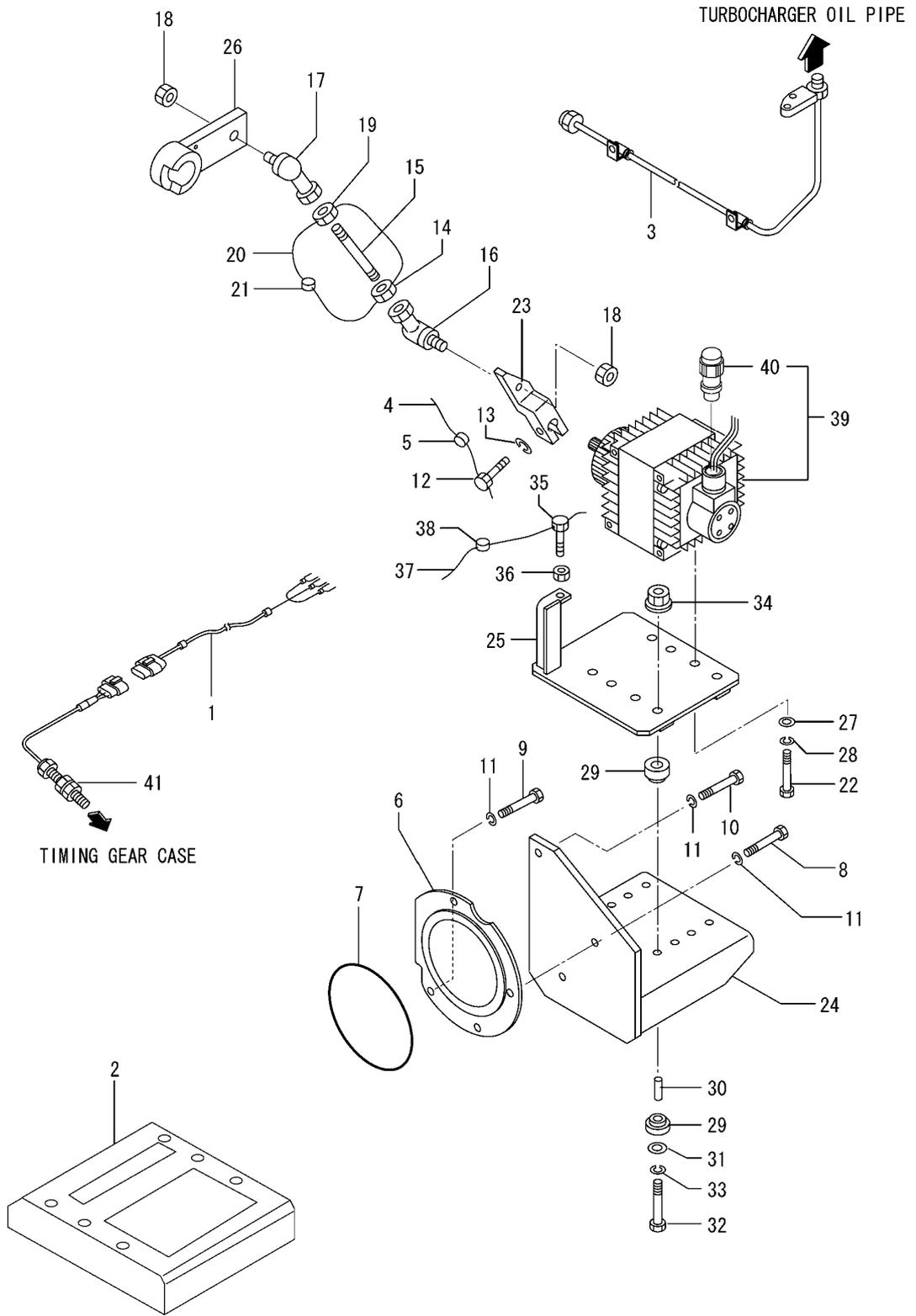


62-01-03 PRIMING PUMP ASSY

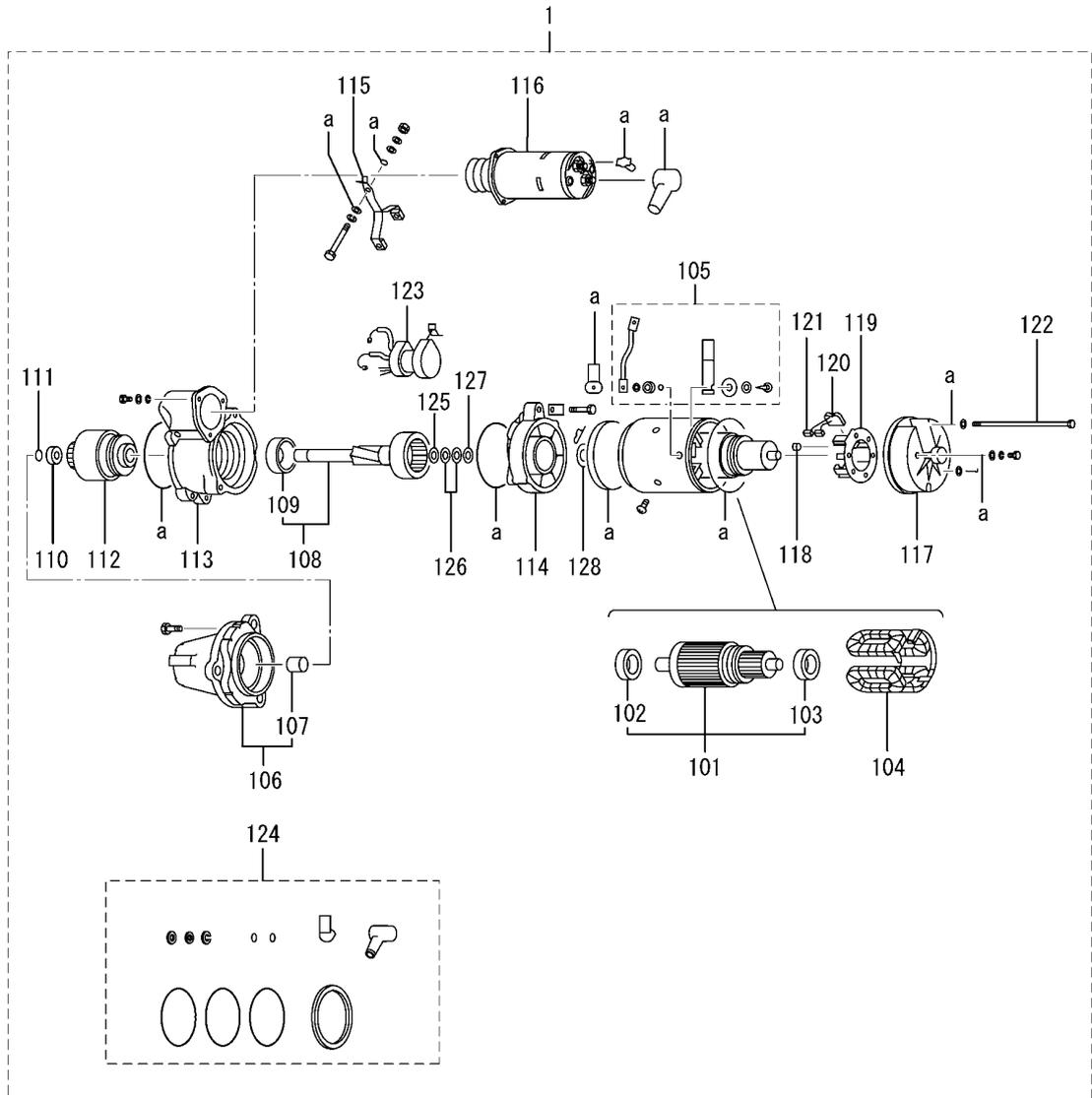
-145-

REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY		APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M	FROM@-	-@UPTO		
1	35C60-03100			PUMP ASSY, PRIMING	2	2				
1 01	15220-90300			CYLINDER	2	2				
1 02	15211-91320			VALVE, CHECK	4	4				
1 03	15212-30000			BUSHING	2	2				
1 04	15231-01000			ADAPTER	2	2				
1 05	02963-20030			O-RING	2	2				A
1 06	02963-16060			O-RING	2	2				A
1 07	02934-14070			GASKET	2	2				A
1 08	15220-05420			PUMP, PRIMING	2	2				
1 09	02973-14080			BOLT, EYE	2	2				A
1 10	02934-14010			GASKET	8	8				A
1 11	15230-03620			BOLT, EYE	2	2				A

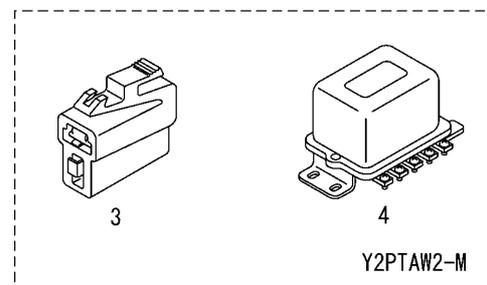
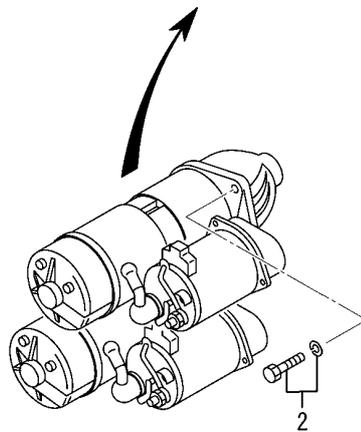
63 GOVERNOR



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		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		012813-	-012812		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	05902-08095		C	ROD	1	1					
17	05902-08080	N	1	ROD	1	1		012813-	-012812		V
18	35A61-38600		C	JOINT, BALL	1	1			-012812		A
19	35A61-38601	3	1	JOINT, BALL	1	1					A
20	35A61-38700		C	JOINT, BALL	1	1			-012812		A
21	35A61-38701	3	1	JOINT, BALL	1	1					A
22	F2445-08000			NUT, SELF LOCKING	2	2					A
23	37560-04900			NUT, LOCK	1	1					A
24	35A61-19900			WIRE, SEAL	1	1					
25	48000-96600			SEAL	1	1					
26	37763-05500			BOLT	4	4					
27	37795-04020		C	LEVER, THROTTLE	1	1					
28	37763-06600	R	1	LEVER, THROTTLE	1	1					V
29	37763-15701			BRACKET, PROACT	1	1					
30	37795-05210		C	PLATE, PROACT	1	1					
31	37763-25800	R	1	PLATE, PROACT	1	1					V
32	37763-25900		C	LEVER, L. H	1	1			-012812		
33	37763-35900	N	1	LEVER, L. H	1	1		012813-			V
34	F2500-08000			WASHER, PLAIN	4	4					A
35	F2515-08000			WASHER, SPRING	4	4					A
36	08051-00200			MOUNT	8	8					
37	34A63-04500			SPACER	4	4					
38	91262-07700			WASHER	4	4					A
39	F1035-08065			BOLT	4	4					A
40	F2515-08000			WASHER, SPRING	4	4					A
41	37763-06400			NUT, LOCK	4	4					A
42	37561-18500			BOLT, LOCKING WIRE	1	1					A
43	37560-04800			NUT, LOCK	1	1					
44	35A61-19900			WIRE, SEAL	1	1					
45	48000-96600			SEAL	1	1					
46	35A63-01300			ACTUATOR, PROACT	1	1					
47	37863-01100			CAP, PROACT	1	1					
48	04410-43400			PICK-UP, MAGNETIC	1	1					



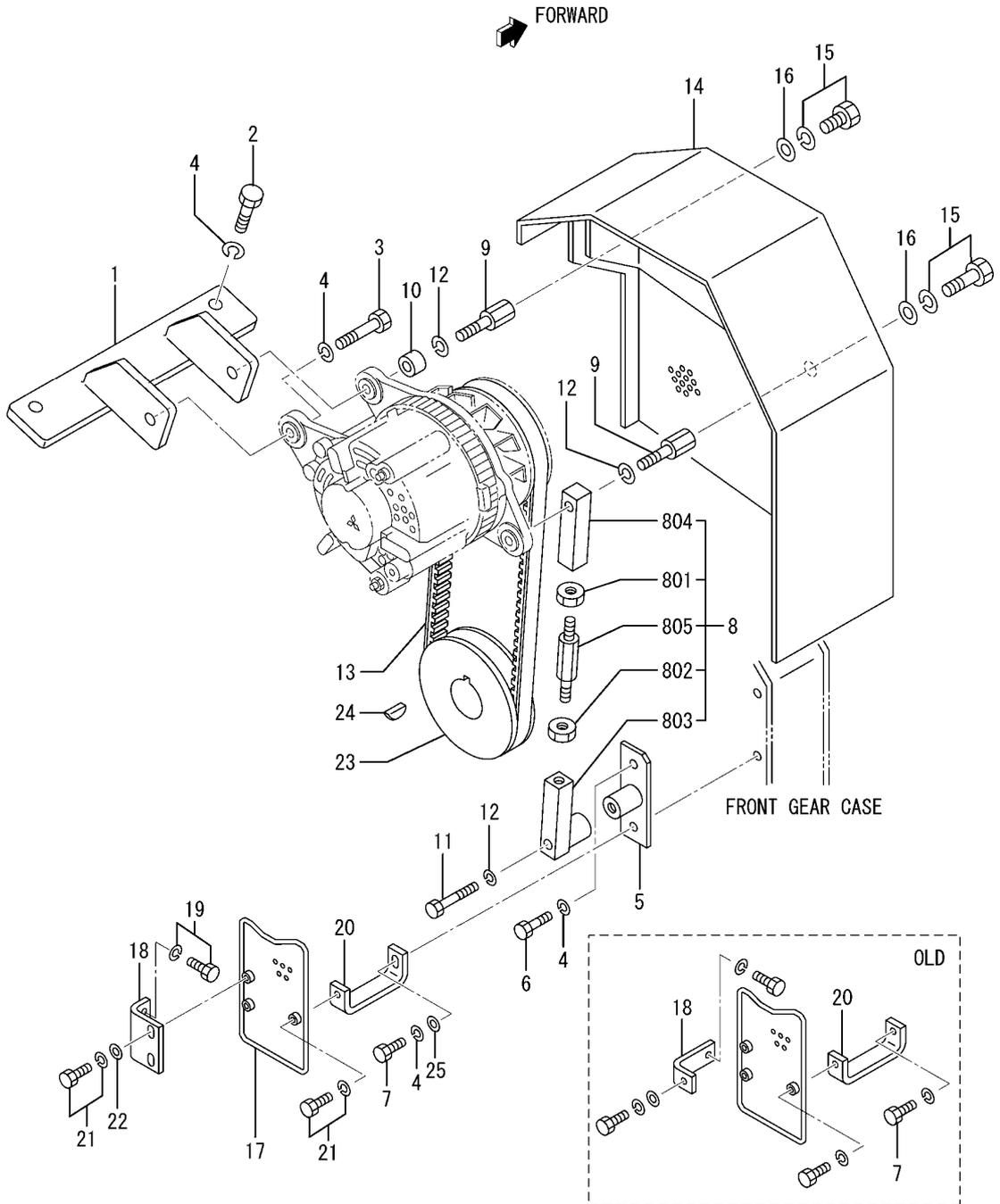
PART WITHOUT REF. NO. WON'T BE SUPPLIED.



REF. -NO.	PART NO.	R / P	S E N G G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R	V R D
					PTAW2K	PTAW2M		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

-150-

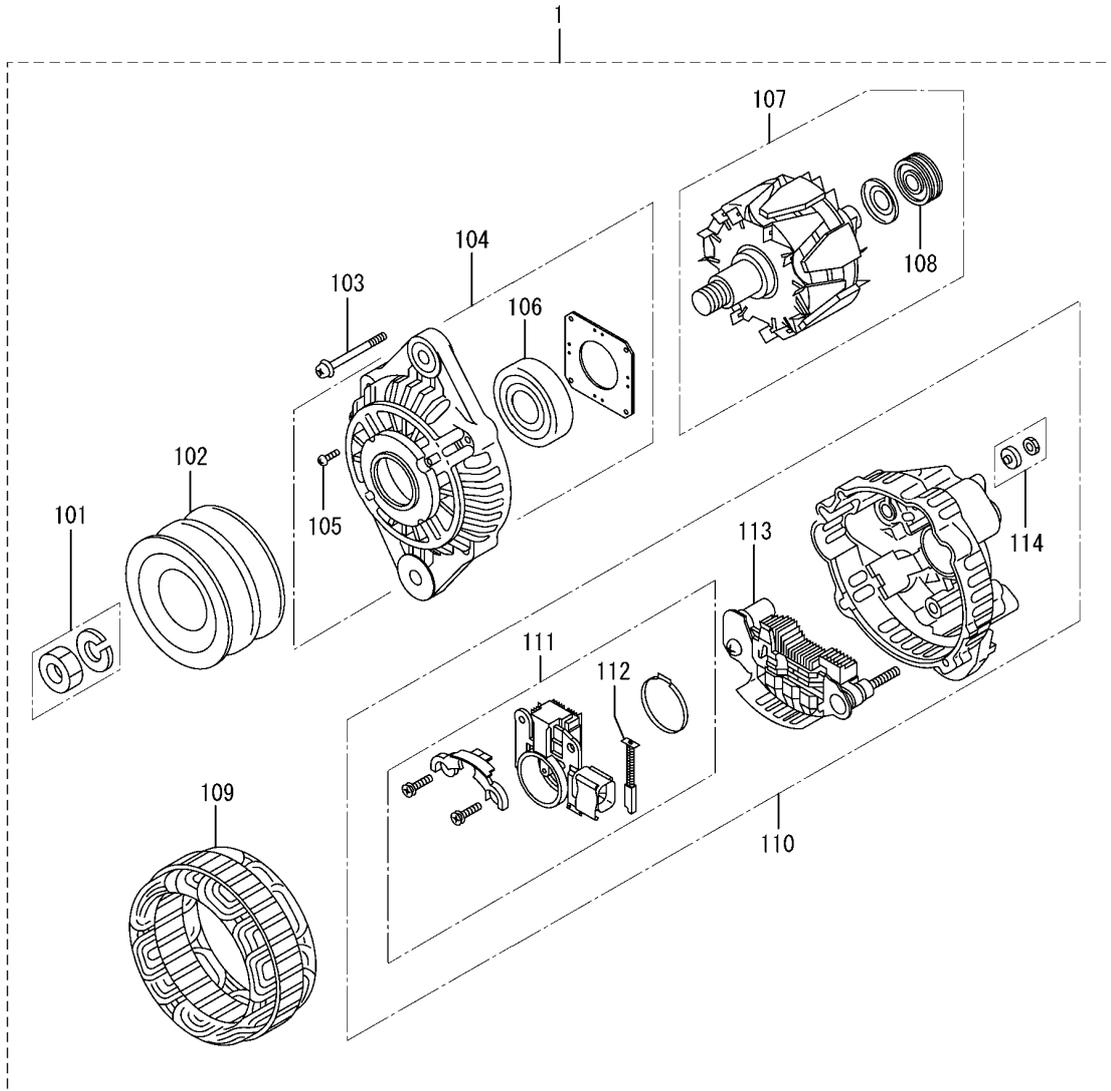


68-00-01 ALTERNATOR GENERAL

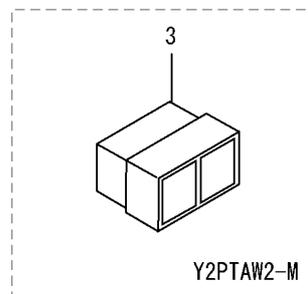
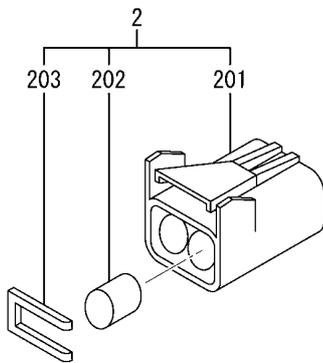
-151-

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
					PTAW2K	PTAW2M		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	V
8	*			ROD ASSY, ADJUSTING	1	1					
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	V

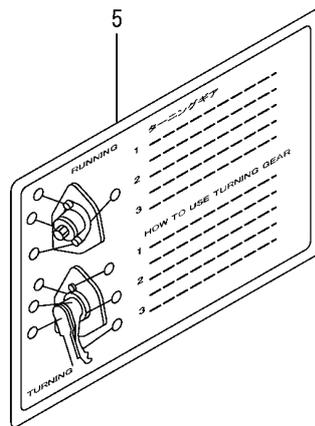
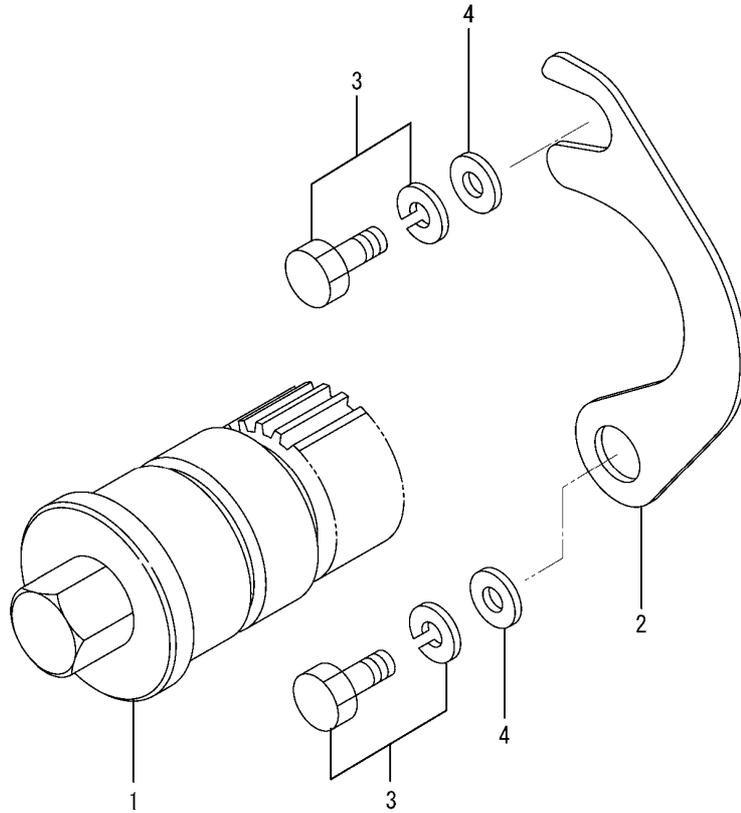
68-00-02 ALTERNATOR(24V-30A)



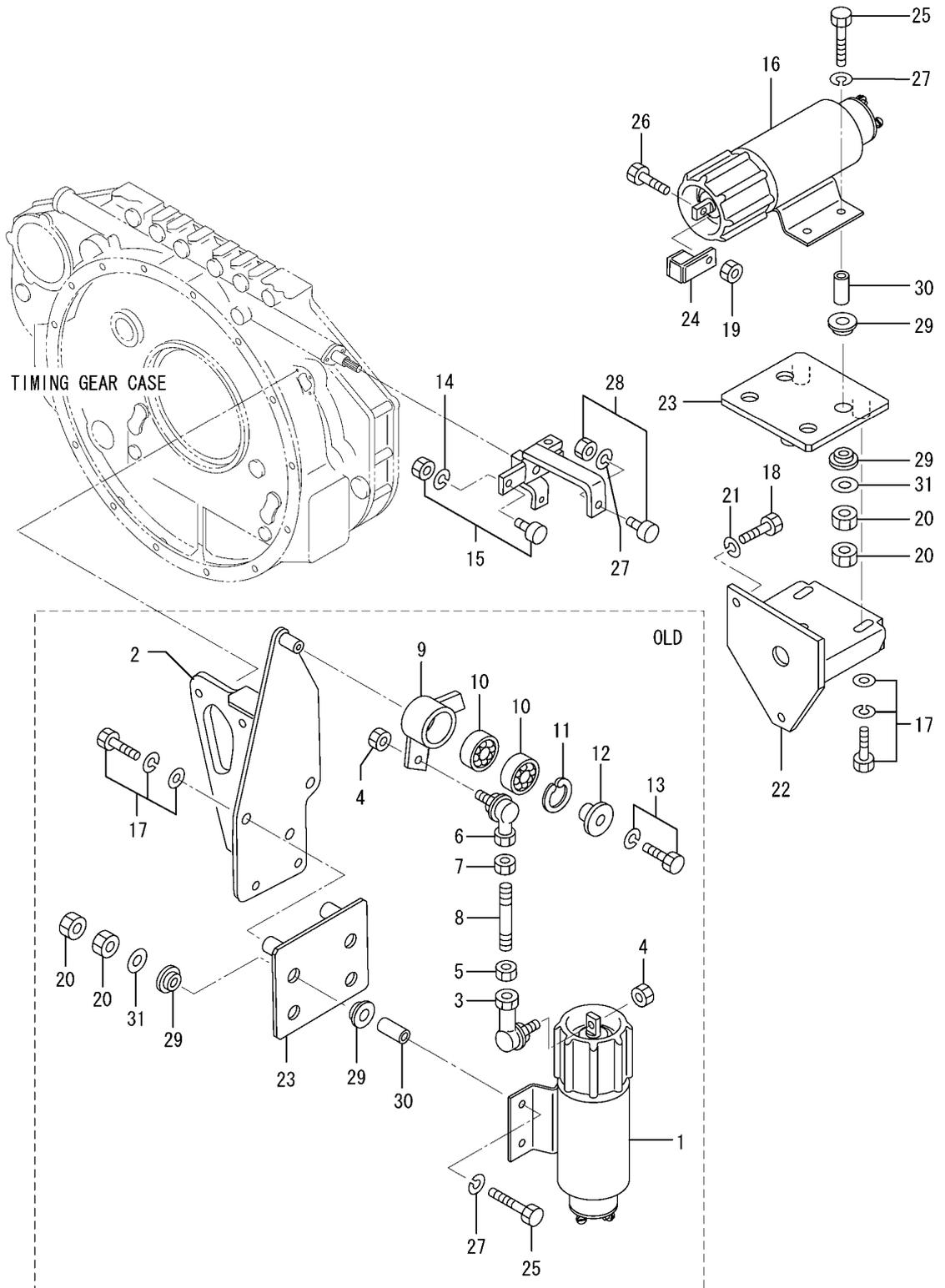
PARTS WITHOUT REF. NO. WILL NOT BE SUPPLIED.



TURNING GEAR



87-05 STOP SYSTEM



87-05 STOP SYSTEM

REF. -NO.	PART NO.	R / P	S E N G P Q G	PART NAME & DESCRIPTION	MODEL & QTY			APPLICABLE SERIAL NO.		M / R D	V / R D
					PTAW2K	PTAW2M		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
	05634-00610		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
	09413-00600		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		D	WASHER, SPRING	1	1			-013264	A	
	45298-20800		D	FOLLOWER	1	1			-013264		
16	04400-09200			SOLENOID, RUN-ON	1	1					
17	F1825-10025		Q	BOLT, W/WASHER	6	6			-012933	A	
17	F1825-10025	1		BOLT, W/WASHER	3	3		012934-		A	
18	F1035-12030			BOLT	2	2				A	
19	05634-00610			NUT, SELF LOCKING	1	1					
20	F2300-06000		Q	NUT	16	16			-012933	A	
21	F2300-06000	1		NUT	8	8		012934-		A	
	F2515-12000			WASHER, SPRING	2	2				A	
22	37787-03300			BRACKET	1	1					
23	47520-25800		Q	PLATE, SOLENOID	2	2			-012933		
24	47520-25800	1		PLATE, SOLENOID	1	1		012934-			
	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			WASHER, SPRING	9	9				A	
28	45298-20800			FOLLOWER	1	1					
29	47500-34100		Q	CUSHION, RUBBER	16	16			-012933		
30	47500-34100	1		CUSHION, RUBBER	8	8		012934-			
	47500-36700		Q	SPACER	8	8			-012933		
31	47500-36700	1		SPACER	4	4		012934-			
	08302-06000		Q	WASHER	8	8			-012933	A	
	08302-06000	1		WASHER	4	4		012934-		A	

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
A383X-51570	68-00-02	153 1 09	F1035-10080	36-02	71 10	F1035-12075	07-01-01	13 26
A414X-19271	68-00-02	153 1 03	F1035-10080	61-02-02	131 35	F1035-12075	68-00-01	151 11
A414X-19371	68-00-02	153 1 05	F1035-10090	40-00-03	81 8	F1035-12080	36	67 12
A529X-05571	68-00-02	153 1 14	F1035-10090	61-02-02	131 38	F1035-12080	40-00-02	79 1 29
A529X-06571	68-00-02	153 1 01	F1035-10100	40-00-03	81 9	F1035-12080	62-01-01	141 16
A629X-51770	68-00-02	153 1 02	F1035-12020	62-01-01	141 26	F1035-12085	04	5 23
A640X-58670	68-00-02	153 1 04	F1035-12020	62-01-02	143 8	F1035-12090	33-00-01	59 9
A642X-33570	68-00-02	153 1 10	F1035-12025	11	19 14	F1035-12090	35	65 2
A647X-50270	68-00-02	153 1 12	F1035-12025	11	19 16	F1035-12100	25	37 15
A860X-50670	68-00-02	153 1 13	F1035-12025	25	39 49	F1035-12100	36-01	69 6
A866X-28372	68-00-02	153 1 11	F1035-12025	39-00-02	75 8	F1035-12100	40-00-01	77 5
A880X-74970	68-00-02	153 1 07	F1035-12025	51-00-01	97 13	F1035-12110	25	37 14
F1035-06020	87-05	157 26	F1035-12025	63	147 9	F1035-12110	46-01-02	93 3
F1035-06040	87-05	157 25	F1035-12030	43	87 11	F1035-12110	61-00-01	111 11
F1035-06040	87-05	157 25	F1035-12030	51-00-01	97 13	F1035-12120	51-00-02	99 3
F1035-08025	40-00-02	79 1 08	F1035-12030	51-00-02	99 14	F1035-12130	25	37 10
F1035-08030	61-02-02	131 27	F1035-12030	51-00-02	99 19	F1035-12130	25	37 10
F1035-08035	61-02-02	131 27	F1035-12030	51-00-03	103 10	F1035-12130	40-00-01	77 6
F1035-08045	61-00-01	111 32	F1035-12030	51-00-03	103 13	F1035-12130	61-00-01	111 8
F1035-08065	63	147 32	F1035-12030	61-00-01	111 42	F1035-14030	61-00-01	111 38
F1035-10016	32-03	57 39	F1035-12030	68-00-01	151 2	F1035-14030	62-01-02	143 24
F1035-10016	40-00-03	81 14	F1035-12030	87-05	157 18	F1035-14040	53-00-01	105 3
F1035-10020	51-00-02	99 32	F1035-12035	25	37 29	F1035-14040	61-00-01	111 39
F1035-10020	51-00-03	103 15	F1035-12035	25-03	43 30	F1035-14045	53-00-01	105 3
F1035-10020	62-01-02	143 19	F1035-12035	53-00-01	105 6	F1035-14085	61-00-02	115 1 61
F1035-10025	25	37 32	F1035-12035	53-00-01	105 14	F1035-14085	61-00-03	121 1 61
F1035-10025	25-03	43 26	F1035-12035	63	147 8	F1035-16030	11	19 12
F1035-10025	40-00-03	81 2	F1035-12035	68-00-01	151 3	F1035-16040	46-01-01	91 19
F1035-10025	40-00-03	81 7	F1035-12035	68-00-01	151 6	F1035-16055	07-01-01	13 4
F1035-10025	51-00-01	97 15	F1035-12040	25	37 11	F1035-16065	33-00-01	59 17
F1035-10025	51-00-02	99 25	F1035-12040	40-00-02	79 1 22	F1035-20035	14	23 4
F1035-10025	51-00-02	99 27	F1035-12040	61-00-01	111 43	F1035-20045	14	23 8
F1035-10025	51-00-02	101 36	F1035-12040	63	147 10	F1035-20050	14	23 3
F1035-10025	53-00-01	105 28	F1035-12040	68-00-01	151 7	F1035-20075	07-01-01	13 2
F1035-10030	46-01-02	93 27	F1035-12045	25-03	43 4	F1035-20080	14	23 2
F1035-10030	51-00-01	97 15	F1035-12045	68-00-01	151 7	F1035-22090	21	31 2
F1035-10030	53-00-01	105 27	F1035-12050	25-03	43 3	F1115-08025	61-01	125 19
F1035-10030	62-01-02	143 13	F1035-12050	33-00-01	59 10	F1115-08025	61-01	125 19
F1035-10035	40-00-02	79 1 32	F1035-12050	53-00-01	105 15	F1115-08025	63	147 12
F1035-10040	51-00-02	99 24	F1035-12050	61-00-01	111 7	F1155-10040	36-02	71 5
F1035-10040	61-03	137 12	F1035-12050	61-00-01	111 44	F1155-10045	36-02	71 6
F1035-10045	51-00-02	101 33	F1035-12050	62-01-01	141 24	F1155-10055	33-00-01	59 14
F1035-10045	61-02-02	131 45	F1035-12055	25	37 12	F1155-10070	33-00-01	59 13
F1035-10045	62-01-02	143 27	F1035-12060	22	33 5	F1155-12045	22	33 12
F1035-10055	51-00-02	101 37	F1035-12065	07-01-01	13 16	F1450-08025	25-05	45 3
F1035-10065	36	67 17	F1035-12065	07-01-01	13 16	F1620-06012	55	109 1 01
F1035-10065	61-02-02	131 37	F1035-12065	36-02	71 26	F1805-06012	61-00-02	115 1 60
F1035-10070	61-02-02	131 46	F1035-12065	61-01	127 39	F1805-06012	61-00-03	121 1 60
F1035-10080	35	65 1 21	F1035-12070	40-00-02	79 1 23	F1805-06020	61-00-02	115 1 64
F1035-10080	36	67 6	F1035-12070	92-01	159 15	F1805-06020	61-00-03	121 1 64

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
F1805-08014	36-02	71 21	F1805-10030	55	109 11	F1805-12030	62	139 6
F1805-08016	61-01	125 11	F1805-10030	61-02-02	131 42	F1805-12035	13	21 4
F1805-08020	36-02	71 15	F1805-10030	62-01-02	143 13	F1805-12035	32-01	53 13
F1805-08020	62-01-02	143 4	F1805-10035	30	47 26	F1805-12035	48	95 8
F1805-08025	51-00-01	97 19	F1805-10035	35	65 1 20	F1805-12035	66	149 2
F1805-08025	61-00-02	115 1 63	F1805-10035	46-01-01	91 21	F1805-12040	25	39 52
F1805-08025	61-00-03	121 1 63	F1805-10040	51-00-02	99 24	F1805-12050	07-01-01	13 11
F1805-08025	61-01	125 34	F1805-10040	61-01	127 46	F1805-12050	13	21 17
F1805-08030	61-00-01	111 29	F1805-10040	87-05	157 13	F1825-08016	32-03	55 2
F1805-10016	32-03	55 23	F1805-10045	21	31 1 01	F1825-10020	36	67 10
F1805-10016	36-02	71 3	F1805-10045	51-00-02	101 33	F1825-10020	36-02	71 25
F1805-10016	61-03	137 7	F1805-10055	61-02-02	131 34	F1825-10025	40-00-03	81 21
F1805-10020	30	47 12	F1805-10060	30	47 19	F1825-10025	62	139 7
F1805-10020	32-03	55 22	F1805-10060	51-00-02	101 37	F1825-10025	87-05	157 17
F1805-10020	36	67 11	F1805-10065	30	47 19	F1825-10025	87-05	157 17
F1805-10020	36-02	71 22	F1805-10085	51-00-03	103 19	F1825-10030	43	87 8
F1805-10020	42-05	85 3	F1805-12020	11	19 5	F1825-10065	04	5 32
F1805-10020	46-01-02	93 12	F1805-12020	43	87 4	F1825-12025	07-01-01	13 24
F1805-10020	51-00-02	99 32	F1805-12020	61-00-01	111 17	F1825-12025	07-01-01	13 24
F1805-10020	51-00-03	103 15	F1805-12020	61-03	137 16	F1825-12025	07-01-01	13 24
F1805-10020	51-00-03	103 20	F1805-12020	62-01-01	141 26	F1825-12025	36	67 28
F1805-10020	62	139 9	F1805-12020	62-01-02	143 8	F1825-12030	07-01-01	13 10
F1805-10020	62-01-01	141 21	F1805-12020	71	155 3	F1825-12030	07-01-01	13 10
F1805-10020	62-01-02	143 19	F1805-12025	07-01-01	13 20	F1825-12030	07-01-01	13 10
F1805-10020	68-00-01	151 15	F1805-12025	13	21 8	F1825-12030	07-01-01	13 15
F1805-10020	68-00-01	151 21	F1805-12025	25	37 18	F1825-12035	39-00-01	73 6
F1805-10020	92-01	159 7	F1805-12025	25-01	41 3	F2005-10020	30	47 13
F1805-10025	07-01-01	13 31	F1805-12025	30-05	49 3	F2005-10035	30	47 9
F1805-10025	36	67 18	F1805-12025	36-01	69 14	F2300-06000	87-05	157 5
F1805-10025	36	67 21	F1805-12025	51-00-03	103 10	F2300-06000	87-05	157 20
F1805-10025	36-01	69 11	F1805-12025	61-03	137 17	F2300-06000	87-05	157 20
F1805-10025	36-02	71 11	F1805-12025	68-00-01	151 19	F2300-08000	25-05	45 4
F1805-10025	40-00-03	81 21	F1805-12025	92-01	159 8	F2300-08000	40-00-02	79 1 09
F1805-10025	42	83 4	F1805-12030	05	7 7	F2300-08000	61-01	127 48
F1805-10025	46-01-01	91 8	F1805-12030	07-01-01	13 34	F2300-08000	61-02-02	131 29
F1805-10025	46-01-02	93 15	F1805-12030	13	21 9	F2300-10000	40-00-03	81 12
F1805-10025	46-01-02	93 18	F1805-12030	23	35 10	F2300-10000	51-00-02	99 29
F1805-10025	51-00-01	97 19	F1805-12030	25	37 39	F2300-10000	51-00-02	101 38
F1805-10025	51-00-02	99 25	F1805-12030	25-01	41 7	F2300-10000	51-00-02	101 38
F1805-10025	51-00-02	101 36	F1805-12030	25-01	41 10	F2300-10000	61-02-02	133 49
F1805-10025	53-00-01	105 28	F1805-12030	36	67 2	F2300-10000	61-03	137 15
F1805-10025	61-00-01	111 19	F1805-12030	46-01-02	93 7	F2300-10000	62-01-02	143 29
F1805-10030	36	67 5	F1805-12030	46-01-02	93 11	F2300-12000	25	37 44
F1805-10030	46-01-01	91 16	F1805-12030	48	95 5	F2300-12000	45	89 5
F1805-10030	46-01-01	91 24	F1805-12030	48	95 8	F2305-10000	04	5 14
F1805-10030	46-01-02	93 32	F1805-12030	51-00-02	99 14	F2305-12000	04	5 17 01
F1805-10030	46-01-02	93 32	F1805-12030	51-00-02	99 19	F2305-12000	25	37 17
F1805-10030	51-00-01	97 10	F1805-12030	51-00-03	103 13	F2305-12000	53-00-01	105 25
F1805-10030	53-00-01	105 27	F1805-12030	55	109 10	F2305-14000	61-02-02	131 2
F1805-10030	55	109 1 02	F1805-12030	61-00-01	111 5	F2320-08000	61-01	125 29

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
F2320-14000	68-00-01	151 8 01	F2515-08000	63	147 33	F2515-12000	43	87 12
F2325-08000	61-00-01	111 27	F2515-10000	25-03	43 27	F2515-12000	45	89 4
F2325-20000	53-00-02	107 1 02	F2515-10000	32-03	55 12	F2515-12000	46-01-02	93 4
F2325-24000	61-00-02	115 1 66	F2515-10000	32-03	55 16	F2515-12000	51-00-01	97 14
F2325-24000	61-00-03	121 1 66	F2515-10000	33-00-01	59 15	F2515-12000	51-00-02	99 4
F2325-30000	45	89 1 17	F2515-10000	35	65 1 22	F2515-12000	51-00-02	99 15
F2440-10000	39-00-02	75 6	F2515-10000	36	67 7	F2515-12000	51-00-02	99 20
F2445-08000	61-00-01	111 35	F2515-10000	36	67 19	F2515-12000	51-00-03	103 11
F2445-08000	61-01	127 47	F2515-10000	36-02	71 7	F2515-12000	51-00-03	103 14
F2445-08000	63	147 18	F2515-10000	36-02	71 12	F2515-12000	53-00-01	105 7
F2445-10000	61-00-01	111 25	F2515-10000	39-00-02	75 7	F2515-12000	53-00-01	105 17
F2445-10000	61-01	125 3	F2515-10000	40-00-02	79 1 34	F2515-12000	53-00-01	105 20
F2500-06000	61-00-02	115 1 65	F2515-10000	40-00-03	81 3	F2515-12000	53-00-01	105 23
F2500-06000	61-00-03	121 1 65	F2515-10000	40-00-03	81 10	F2515-12000	61-00-01	111 9
F2500-08000	40-00-02	79 1 10	F2515-10000	40-00-03	81 15	F2515-12000	61-00-01	111 12
F2500-08000	61-01	127 49	F2515-10000	46-01-02	93 28	F2515-12000	61-00-01	111 45
F2500-08000	63	147 27	F2515-10000	51-00-01	97 16	F2515-12000	61-01	127 40
F2500-10000	30	47 20	F2515-10000	51-00-02	99 26	F2515-12000	62-01-01	141 4
F2500-10000	32-03	55 17	F2515-10000	51-00-02	99 28	F2515-12000	62-01-01	141 17
F2500-10000	32-03	55 24	F2515-10000	51-00-02	101 39	F2515-12000	62-01-01	141 27
F2500-10000	40-00-02	79 1 33	F2515-10000	51-00-03	103 16	F2515-12000	62-01-02	143 9
F2500-10000	40-00-03	81 11	F2515-10000	53-00-01	105 29	F2515-12000	63	147 11
F2500-10000	53-00-01	105 30	F2515-10000	55	109 5	F2515-12000	68-00-01	151 4
F2500-10000	55	109 1 03	F2515-10000	61-00-01	111 24	F2515-12000	68-00-01	151 12
F2500-10000	61-00-01	111 20	F2515-10000	61-01	125 2	F2515-12000	87-05	157 21
F2500-10000	61-00-01	111 23	F2515-10000	61-02-02	131 36	F2515-12000	92-01	159 2
F2500-10000	61-03	137 8	F2515-10000	61-02-02	131 48	F2515-14000	53-00-01	105 4
F2500-10000	68-00-01	151 16	F2515-10000	61-03	137 14	F2515-14000	61-00-01	111 40
F2500-10000	68-00-01	151 22	F2515-10000	62-01-02	143 14	F2515-14000	61-01	125 38
F2500-12000	32-03	55 9	F2515-10000	62-01-02	143 20	F2515-14000	62-01-02	143 25
F2500-12000	40-00-01	77 8	F2515-10000	62-01-02	143 28	F2515-16000	07-01-01	13 5
F2500-12000	40-00-02	79 1 24	F2515-12000	07-01-01	13 17	F2515-16000	25	37 20
F2500-12000	43	87 5	F2515-12000	07-01-01	13 17	F2515-16000	33-00-01	59 18
F2500-12000	61-00-01	111 18	F2515-12000	07-01-01	13 25	F2515-16000	46-01-01	91 20
F2500-12000	68-00-01	151 25	F2515-12000	22	33 6	F2515-20000	07-01-01	13 3
F2500-12000	71	155 4	F2515-12000	22	33 13	F2515-20000	14	23 5
F2500-12000	92-01	159 6	F2515-12000	25	37 16	F2515-20000	14	23 9
F2500-16000	25	37 21	F2515-12000	25	37 16	F2515-30000	45	89 1 18
F2500-16000	33-00-01	59 19	F2515-12000	25	37 43	F2846-04000	33-00-03	63 1 17
F2515-06000	87-05	157 14	F2515-12000	25	39 50	F2846-05000	20	29 2 01
F2515-06000	87-05	157 27	F2515-12000	32-01	53 12	F2846-06000	04	5 22
F2515-08000	25-05	45 5	F2515-12000	32-03	55 8	F2846-06000	07-01-02	15 10 01
F2515-08000	61-00-01	111 33	F2515-12000	32-03	55 8	F2846-08000	07-00-01	9 4
F2515-08000	61-01	125 20	F2515-12000	33-00-01	59 11	F2846-08000	23	35 6
F2515-08000	61-01	125 20	F2515-12000	35	65 3	F2846-12000	05	7 3
F2515-08000	61-01	125 28	F2515-12000	36	67 13	F2846-12000	07-00-01	9 15
F2515-08000	61-02-02	131 28	F2515-12000	36-01	69 7	F2846-12000	25	37 5
F2515-08000	62-01-01	141 7	F2515-12000	36-02	71 27	F2846-12000	25-01	41 4
F2515-08000	63	147 13	F2515-12000	39-00-02	75 9	F2846-18000	11	19 6
F2515-08000	63	147 28	F2515-12000	40-00-01	77 7	F2846-20000	07-00-01	9 14
			F2515-12000	40-00-02	79 1 25			

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
F2846-20000	20	29 2 02	F4540-12000	07-01-01	13 23	F8007-06200	61-01	127 43
F2846-20000	22	33 8	F4540-15000	62-01-01	141 12	F8007-06200	87-05	157 10
F2870-07025	25-03	43 31	F4540-20000	61-03	137 23	F8007-06201	61-01	125 16
F2870-07025	61-00-02	115 1 69	F4540-20000	62-01-01	141 29	F8010-06309	25-03	43 14
F2870-07025	61-00-03	121 1 69	F4610-14000	61-03	137 21	F8010-06310	25	39 51
F2870-10032	25	37 35	F4610-14000	62	139 2	F8010-06310	45	89 1 09
F2870-10032	25-03	43 32	F4610-14000	62-01-02	143 6	F8010-06311	45	89 1 10
F2870-10032	45	89 1 16	F4610-20000	62-01-01	141 13	F8143-32207	61-00-02	115 1 77
F2870-10032	68-00-01	151 24	F5000-12000	61-00-02	115 1 76	F8143-32207	61-00-03	121 1 77
F2872-06022	53-00-02	107 1 04	F5000-12000	61-00-03	121 1 76	F8665-02100	66	149 3
F3003-01831	25-01	41 5	F5000-16000	13	21 15	ME064526	39-00-01	73 1 06
F3012-03022	25-03	43 24	F5000-16000	46-01-02	93 22	ME150442	39-00-01	73 1 03
F3015-06523	25	39 47	F5000-20000	11	19 22	MF140235	61-00-02	113 1 32
F3150-07000	46-01-02	93 20	F5000-20000	13	21 12	MF140235	61-00-03	119 1 32
F3153-05500	46-01-02	93 30	F5000-36000	13	21 10	MH000183	40-00-01	77 2
F3153-05500	46-01-02	93 30	F5005-10001	25	37 24	MH000184	40-00-01	77 4
F3153-06000	46-01-01	91 23	F5005-10001	40-00-02	79 1 14	MH000854	04	5 28
F3153-06000	46-01-02	93 17	F5005-10001	45	89 1 19	MH035093	39-00-01	73 1 07
F3153-06000	51-00-03	103 18	F5005-21001	46-01-02	93 24	MH035626	39-00-01	73 1 04
F3153-07500	25	37 23	F5006-10000	07-00-02	11 2	S930P-37270	68-00-02	153 1 06
F3153-07500	46-01-02	93 26	F5006-10000	07-01-01	13 30	S930P-80770	68-00-02	153 1 08
F3153-10500	45	89 8	F5006-10000	07-01-02	15 6	00428-20030	61-03	137 24
F3153-17000	45	89 1 11	F5006-10000	30-05	49 2	00428-20030	62-01-01	141 30
F3153-17000	53-00-02	107 1 12	F5006-10000	32-01	53 7	00665-02048	33-00-02	61 1 19
F3156-05000	45	89 1 15	F5006-10000	40-00-01	77 13	00665-02048	33-00-03	63 1 19
F3156-14500	33-00-03	63 1 32	F5006-10000	46-01-01	91 26	00665-02048	61-00-02	115 1 55
F3200-01700	61-01	125 6	F5006-10000	51-00-02	101 42	00665-02048	61-00-03	121 1 55
F3200-02500	53-00-01	105 12	F5006-10000	55	109 2	00665-04048	93	161 2
F3200-03000	25-03	43 22	F5006-10000	92-01	159 4	02310-00231	66	149 1 01
F3200-04500	25-03	43 13	F5006-13000	32	51 7	02331-01340	66	149 1 06
F3200-05500	45	89 1 20	F5006-21000	07-01-01	13 21	02350-00690	66	149 1 12
F3202-03000	61-01	127 44	F5006-21000	46-01-01	91 25	02371-10221	66	149 1 17
F3202-03000	87-05	157 11	F5006-21000	46-01-02	93 31	02375-00050	66	149 1 19
F3202-03200	61-01	125 17	F5006-21000	46-01-02	93 31	02392-10230	66	149 1 28
F3202-05500	25-03	43 23	F5006-21000	51-00-01	97 11	02934-14010	62-01-03	145 1 10
F3202-06200	53-00-01	105 11	F5006-21000	51-00-02	99 5	02934-14070	62-01-03	145 1 07
F3202-07000	17	25 3	F5006-21000	51-00-02	101 41	02963-16060	62-01-03	145 1 06
F3202-07200	53-00-02	107 1 06	F5006-21000	51-00-03	103 3	02963-20030	62-01-03	145 1 05
F3202-10000	25-03	43 16	F5006-26000	13	21 14	02973-14080	62-01-03	145 1 09
F3202-12000	25-03	43 17	F5006-26000	35	65 7	04322-40100	66	149 4
F3202-12000	45	89 1 08	F8000-08000	61-00-02	115 1 88	04343-38000	68-00-02	153 1
F4540-06300	07-01-02	15 7	F8000-08000	61-00-03	121 1 88	04400-08900	87-05	157 1
F4540-06300	07-01-02	15 7	F8001-30014	61-02-01	129 1 14	04400-09200	87-05	157 16
F4540-06300	40-00-03	81 18	F8001-30014	61-02-03	135 1 14	04410-43400	63	147 41
F4540-06300	92-01	159 3	F8001-40014	61-02-01	129 1 15	04410-43500	63	147 1
F4540-08000	39-00-01	73 7	F8001-40014	61-02-03	135 1 15	04826-21000	04	5 19 01
F4540-08000	40-00-01	77 12	F8004-06006	25-03	43 21	04826-21000	61-00-02	113 1 26
F4540-10000	07-01-02	15 5	F8005-06409	25-03	43 15	04826-21000	61-00-03	119 1 26
F4540-10000	61-03	137 20	F8006-06209	25-03	43 12	04826-21400	25	37 4
F4540-10000	62-01-01	141 2	F8006-06210	25-03	43 35	04826-22200	33-00-01	59 16

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
04826-22500	01	3 2 01	05507-20250	61-00-03	121 1 74	05946-01001	61-02-01	129 1 16
04826-22800	01	3 2 02	05507-20300	33-00-01	59 7	05946-01001	61-02-03	135 1 16
04826-24000	46-01-02	93 33	05507-20300	39-00-02	75 4	05946-01001	61-03	137 5
04826-25000	25	37 3	05507-20300	40-00-01	77 1	05946-01001	61-03	137 6
04826-25000	25	37 3	05507-20350	36	67 23	05946-01201	07-00-01	9 9
04826-28090	46-01-02	93 34	05507-20350	36-01	69 9	05946-01201	61-00-01	111 2
04826-40032	46-01-02	93 19	05507-20350	40-00-01	77 10	05946-01201	61-00-02	115 1 58
04826-42050	46-01-02	93 10	05507-20350	40-00-02	79 1 07	05946-01201	61-00-03	121 1 58
04826-42050	51-00-02	101 43	05507-20350	40-00-02	79 1 27	05946-01401	61-00-02	115 1 59
04826-42050	51-00-03	103 8	05507-20350	40-00-03	81 4	05946-01401	61-00-03	121 1 59
04827-71000	01	3 2 03	05507-20350	61-00-02	115 1 72	05946-01401	61-02-01	129 1 03
04827-71300	07-00-01	9 16	05507-20350	61-00-03	121 1 72	05946-01401	61-02-03	135 1 03
04827-71300	25-03	43 38	05507-20400	36-01	69 4	05946-01401	61-03	137 22
04827-71700	07-00-01	9 17	05507-20400	40-00-02	79 1 26	05946-01401	62	139 4
04827-90330	35	65 1 23	05507-20450	48	95 2	05946-01401	62-01-02	143 2
04829-70501	51-00-02	99 18	05507-20500	36	67 22	05946-01401	62-01-02	143 7
05317-02500	51-00-03	103 23	05507-20550	07-01-01	13 28	05946-01401	62-01-02	143 11
05317-41800	07-01-02	15 9	05507-20600	13	21 7	05946-01401	62-01-02	143 16
05317-41800	07-01-02	15 9	05507-20600	23	35 4	05946-01401	62-01-02	143 18
05317-50401	43	87 9 04	05507-20600	25-03	43 19	05946-01401	62-01-02	143 22
05317-50701	51-00-03	103 22	05507-20600	48	95 4	05946-01601	13	21 16
05317-50701	51-00-03	103 22	05507-20650	36	67 15	05946-01601	46-01-02	93 23
05317-52201	30	47 22	05507-20750	35	65 5	05946-01601	62-01-01	141 20
05318-00300	61-02-02	133 51	05507-20800	13	21 2	05946-02001	07-01-02	15 2
05505-31065	46-01-01	91 4	05507-20800	36	67 3	05946-02001	11	19 23
05505-57060	46-01-01	91 5	05507-20800	36	67 14	05946-02001	13	21 13
05507-10060	61-00-02	115 1 86	05507-20800	36-01	69 13	05946-02001	62-01-01	141 14
05507-10060	61-00-03	121 1 86	05507-20800	61-00-02	115 1 73	05946-02401	35	65 1 18
05507-10080	61-00-02	115 1 71	05507-20800	61-00-03	121 1 73	05946-02701	62-01-01	141 10
05507-10080	61-00-03	121 1 71	05507-20850	36-01	69 5	05946-03301	35	65 1 19
05507-10110	40-00-02	79 1 28	05507-20950	25-01	41 6	05946-03601	13	21 11
05507-10110	40-00-03	81 5	05507-20950	25-01	41 9	05950-04006	07-01-02	15 10 02
05507-10140	39-00-01	73 1 05	05507-21200	30	47 18	05969-00300	07-01-02	15 10 03
05507-10140	39-00-02	75 5	05507-21200	30	47 25	05977-12030	25	37 40
05507-10200	04	5 26	05507-21250	25	39 48	05977-12050	25	37 42
05507-10220	07-00-01	9 2 01	05507-21450	35	65 4	05977-12060	45	89 3
05507-10260	61-02-02	131 7	05507-21450	63	147 7	05977-12065	25	37 41
05507-10340	07-00-01	9 13	05507-21600	45	89 6	05978-08095	62-01-01	141 6
05507-10340	39-00-01	73 3	05605-05030	11	19 3	05978-10014	40-00-03	81 14
05507-10340	61-02-02	131 6	05634-00610	87-05	157 4	05978-10110	40-00-02	79 1 31
05507-10360	61-00-01	111 26	05634-00610	87-05	157 19	05978-10180	55	109 4
05507-10390	61-00-01	111 31	05634-01200	61-00-02	115 1 84	05978-12095	53-00-01	105 22
05507-10420	61-02-02	131 4	05634-01200	61-00-03	121 1 84	05978-12095	62-01-01	141 3
05507-10440	39-00-01	73 5	05660-05030	11	19 3	05978-12155	25	37 9
05507-10460	55	109 1 04	05902-06100	87-05	157 8	05978-12160	25	37 13
05507-10460	55	109 12	05902-08080	63	147 15	05978-12175	40-00-01	77 3
05507-10950	51-00-02	99 2	05902-08095	63	147 15	05978-12175	53-00-01	105 19
05507-11350	30	47 17	05946-00801	61-00-02	115 1 56	05978-16115	11	19 11
05507-20250	36-02	71 9	05946-00801	61-00-03	121 1 56	05978-16155	11	19 10
05507-20250	61-00-02	115 1 74	05946-00801	62	139 1 01	05978-16160	25	37 19

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
05978-22190	22	33 10	32507-01400	61-00-03	121 1 68	33442-20200	42	83 3
07701-10016	32-03	55 11	32522-04111	22	33 16	33442-20200	42-05	85 2
07707-12035	32-01	53 11	32522-04211	22	33 17	33448-13200	53-00-01	105 24
08051-00200	63	147 29	32522-04311	22	33 15	33501-13400	01	3 3
08302-06000	87-05	157 31	32532-06320	32-03	55 11	33504-10300	04	5 9
08302-06000	87-05	157 31	32532-06425	32-03	55 7	33546-06900	13	21 5
08302-12000	53-00-01	105 16	32532-06480	33-00-01	59 3	33546-06900	46-01-02	93 5
09413-00600	87-05	157 7	32532-06485	33-00-01	59 2	33561-14500	61-02-02	131 3
09413-00800	61-01	125 25	32532-07320	32-03	55 10	33562-15900	62	139 3
09413-01401	68-00-01	151 8 02	32532-07325	32-03	55 26	33707-11701	01	3 8
10456-60067	66	149 1 09	32532-07335	32-03	55 27	33707-11701	20	29 2 10
10456-62007	66	149 1 03	32532-09100	33-00-01	59 1	33707-11701	21	31 3
10456-62047	66	149 1 02	32532-20800	32	51 6	33707-11701	22	33 3
10B46-00500	62-01-01	141 15	32532-20800	32	51 21	34A25-04400	48	95 3
10B46-00500	62-01-01	141 23	32532-20800	32-01	53 3	34A25-06400	25-03	43 8
12374-00050	66	149 1 20	32536-09400	61-03	137 3	34A25-06500	25-03	43 9
12391-30040	66	149 1 18	32542-01100	43	87 9 01	34A25-07800	25-03	43 10
12392-10130	66	149 1 25	32542-11300	43	87 10	34A35-01200	35	65 1 13
12392-10140	66	149 1 26	32542-20500	42	83 1	34A36-26100	61-03	137 4
12394-10040	66	149 1 27	32545-22900	45	89 2	34A36-36100	61-03	137 4
12592-22800	66	149 1 21	32545-22900	51-00-02	99 22	34A42-00500	42	83 2
15211-91320	62-01-03	145 1 02	32545-22900	51-00-03	103 6	34A48-02100	25	37 33
15212-30000	62-01-03	145 1 03	32545-22900	53-00-02	107 1 16	34A48-02100	61-01	125 2
15220-05420	62-01-03	145 1 08	32546-25400	51-00-01	97 18	34A63-04500	63	147 30
15220-90300	62-01-03	145 1 01	32546-46800	46-01-02	93 6	34A68-05100	68-00-02	153 2
15230-03620	62-01-03	145 1 11	32546-46800	46-01-02	93 9	35A30-00100	30	47 7
15231-01000	62-01-03	145 1 04	32546-46800	51-00-02	99 13	35A40-02100	40-00-03	81 1
30004-24302	04	5 15	32546-46800	51-00-03	103 9	35A40-15101	40-00-02	79 1 30
30007-05500	07-01-02	15 3	32561-18300	61-01	127 45	35A61-19900	61-01	125 30
30042-08201	43	87 9 03	32561-18300	87-05	157 12	35A61-19900	61-01	125 30
30042-08202	43	87 9 03	32561-48600	61-01	125 18	35A61-19900	63	147 4
30407-05600	25-05	45 1	32562-00115	62	139 1 02	35A61-19900	63	147 20
30625-50502	25-05	45 2	32562-00800	62	139 10	35A61-19900	63	147 37
30668-52600	62-01-02	143 12	32562-60300	62	139 1 03	35A61-38600	61-01	125 21
30912-01400	11	19 21	32607-10700	07-00-01	9 12	35A61-38600	63	147 16
30L04-00400	93	161 5	32645-01800	45	89 1 06	35A61-38601	61-01	125 21
31119-12201	07-01-02	15 10 04	32646-08600	36	67 9	35A61-38601	63	147 16
31201-71800	11	19 13	32663-06300	61-01	125 8	35A61-38700	63	147 17
31236-55100	92-01	159 1	32663-16200	61-01	125 9	35A61-38701	63	147 17
31262-51901	61-00-01	111 14	32B90-00300	68-00-02	153 3	35A61-58300	87-05	157 3
31632-12500	32-03	55 25	33010-23400	07-01-02	15 4	35A61-58301	87-05	157 3
32042-20500	43	87 9 02	33311-01600	51-00-01	97 20	35A61-58400	87-05	157 6
32307-02500	07-00-01	9 10	33311-01600	53-00-01	105 23	35A61-58401	87-05	157 6
32307-02600	07-00-01	9 5	33320-04701	20	29 2 03	35A63-01300	63	147 39
32332-00801	32-03	55 15	33336-20500	46-01-02	93 2	35A63-07800	63	147 2
32346-23200	51-00-01	97 17	33407-03900	61-02-01	129 1 05	35A74-12800	62-01-01	141 19
32423-03800	25	37 31	33407-03900	61-02-03	135 1 05	35B36-02900	43	87 13
32504-00400	04	5 2	33407-16100	07-01-02	15 1	35B60-20201	62-01-01	141 5
32507-01400	07-00-01	9 2 02	33442-20200	36-01	69 10	35B60-20202	62-01-01	141 5
32507-01400	61-00-02	115 1 68	33442-20200	40-00-03	81 20	35B62-04600	62-01-01	141 8

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
35B62-07100	61-03	137 13	37504-26100	04	5 30	37525-07901	05	7 5
35B62-07100	62-01-02	143 26	37504-30200	04	5 1	37525-07901	11	19 15
35C36-02900	36-02	71 4	37504-31200	04	5 21	37525-07901	11	19 17
35C60-03100	62-01-02	143 3	37504-32500	04	5 17 04	37525-07901	22	33 14
35C60-03100	62-01-03	145 1	37504-51100	04	5 20	37525-07901	25	37 30
36207-08900	07-01-02	15 12	37504-51101	04	5 20	37525-07901	25-03	43 29
36243-00010	43	87 6	37504-54011	04	5 19	37525-09600	05	7 4
36243-10010	43	87 6	37504-56200	04	5 31	37525-09900	25-03	43 34
36646-00090	46-01-01	91 13	37504-66200	04	5 31	37525-13400	25-03	43 36
36646-00090	51-00-01	97 6	37505-03300	05	7 9	37525-16900	25-03	43 2
37104-02800	04	5 17 02	37505-10800	05	7 6	37525-63100	25-03	43 1
37104-13300	04	5 13	37505-31100	05	7 8	37530-00200	30	47 1
37107-04200	07-00-02	11 8	37507-00701	07-00-01	9 11	37532-00800	32	51 4
37107-04300	07-00-02	11 9	37507-00701	39-00-01	73 2	37532-09500	32	51 3
37123-03400	25	37 27 01	37507-03100	07-00-01	9 6	37532-27100	32-03	55 1
37136-09100	61-00-01	111 1	37507-03200	07-00-01	9 7	37532-37100	32-03	55 1
37411-02300	11	19 2	37507-03900	07-00-01	9 8	37535-02300	35	65 1 14
37411-04200	11	19 19	37507-12500	07-00-02	11 4	37535-12200	35	65 1 15
37414-01900	53-00-02	107 1 03	37507-12510	07-00-02	11 5	37540-01300	40-00-01	77 11
37420-10300	20	29 2 04	37507-12520	07-00-02	11 6	37540-02100	40-00-02	79 1 12
37425-08201	25	37 25	37507-16400	07-01-01	13 9	37540-11100	40-00-02	79 1 11
37432-06800	61-01	125 15	37507-16500	07-01-01	13 14	37543-10020	43	87 9
37432-06801	61-01	125 15	37507-27100	07-01-01	13 6	37545-00200	45	89 1 02
37461-00500	61-01	125 10	37507-27100	07-01-01	13 6	37545-00200	53-00-02	107 1 13
37493-00300	93	161 4	37507-27200	07-01-01	13 7	37545-00300	45	89 1 07
37501-01501	01	3 5	37507-27200	07-01-01	13 7	37545-00300	53-00-02	107 1 14
37501-01501	04	5 27	37507-32400	07-00-02	11 7	37545-00500	53-00-02	107 1 11
37501-03101	01	3 2 05	37507-37300	07-01-01	13 9	37545-20600	53-00-02	107 1 10
37501-03102	01	3 2 05	37507-37300	07-01-01	13 9	37546-00500	46-01-01	91 4
37501-04200	01	3 2 05	37507-37400	07-01-01	13 12	37546-00600	46-01-01	91 22
37501-04300	01	3 2 05	37507-37600	07-01-01	13 14	37546-00800	36-01	69 2
37501-10600	01	3 2 04	37507-37800	07-01-01	13 13	37546-00900	46-01-01	91 11
37501-11400	01	3 4	37507-82600	07-00-02	11 3	37546-00900	51-00-01	97 5
37501-12200	01	3 6	37511-04300	25	37 26	37546-01600	51-00-03	103 7
37501-12501	01	3 7	37517-10010	17	25 4	37546-01800	46-01-01	91 10
37501-70051	01	3 1	37517-10600	17	25 1	37546-01800	51-00-01	97 4
37501-70052	01	3 1	37517-18100	17	25 2	37546-04900	40-00-03	81 19
37504-00300	04	5 3	37519-10600	19	27 1 01	37546-11300	46-01-01	91 6
37504-00900	04	5 10	37519-11400	19	27 1 05	37546-14600	51-00-03	103 21
37504-01300	04	5 4	37519-13100	19	27 4	37546-17100	46-01-01	91 14
37504-02300	04	5 25	37519-13200	19	27 5	37546-21200	46-01-01	91 7
37504-03400	04	5 11	37519-13300	19	27 6	37546-21700	46-01-01	91 9
37504-03500	04	5 12	37519-13400	19	27 7	37546-23300	46-01-01	91 15
37504-04300	04	5 18	37519-13500	19	27 8	37546-23701	46-01-01	91 12
37504-10400	04	5 5	37519-20301	19	27 1 02	37546-23702	46-01-01	91 12
37504-10600	04	5 6	37519-21300	19	27 1 02	37549-07760	53-00-01	105 31
37504-10800	04	5 7	37525-00600	25-03	43 33	37555-04400	55	109 1 06
37504-14600	04	5 29	37525-03400	45	89 1 12	37555-04400	55	109 7
37504-20500	04	5 8	37525-03600	25-03	43 28	37555-04500	55	109 8
37504-22021	04	5 17	37525-07901	04	5 24	37555-04501	55	109 1 07

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.
37555-10600	30-05	49	1	37562-60100	62	139	1	37719-60040	19	27	2
37555-10600	55	109	1 05	37563-00400	63	147	2	37719-60050	19	27	3
37555-10600	55	109	9	37563-15400	61-01	125	22	37719-70010	19	27	1
37560-04800	61-01	125	23	37563-15401	61-01	125	22	37719-70040	19	27	2
37560-04800	63	147	14	37564-05200	61-00-01	111	34	37719-70050	19	27	3
37560-04800	63	147	36	37566-00125	66	149	1 11	37720-03600	22	33	18
37560-04900	63	147	19	37566-00126	66	149	1 10	37721-00060	21	31	1
37560-05000	61-02-03	135	1	37566-00217	66	149	1 22	37721-20201	21	31	1 03
37560-07900	61-02-03	135	1 01	37566-00222	66	149	1 14	37722-00801	22	33	4
37560-17700	61-02-01	129	1 01	37566-00224	66	149	1 04	37722-01200	22	33	2
37560-22010	61-02-01	129	1	37566-10312	66	149	1 13	37722-10500	22	33	9
37560-37010	61-02-01	129	1 02	37566-10511	66	149	1 16	37722-10501	22	33	9
37560-37010	61-02-03	135	1 02	37566-20113	66	149	1 23	37722-10800	22	33	4
37561-00500	61-00-01	111	6	37568-22200	68-00-01	151	8 03	37723-03030	23	35	1
37561-01602	61-02-02	131	1	37568-22300	68-00-01	151	8 04	37723-03300	23	35	1 01
37561-01800	25	37	37	37571-01500	71	155	5	37723-04400	23	35	7
37561-01800	61-00-01	111	10	37571-10300	71	155	2	37723-04601	23	35	3
37561-08800	61-02-02	133	50	37592-01400	92-01	159	9	37723-04900	23	35	9
37561-09300	61-02-01	129	1 12	37593-02900	93	161	6	37723-10101	20	29	2 07
37561-09300	61-02-03	135	1 12	37599-W3710	17	25	1	37723-11100	23	35	11
37561-11900	61-00-01	111	22	37707-01701	07-00-01	9	2 03	37723-12100	23	35	12
37561-13300	61-02-01	129	1 04	37707-01900	07-00-01	9	3	37723-14700	23	35	8
37561-13300	61-02-03	135	1 04	37707-08500	07-01-02	15	11	37725-00801	25	39	45
37561-13600	61-02-02	131	9	37707-11801	07-00-01	9	2 05	37725-02200	45	89	1 05
37561-16600	61-02-01	129	1 06	37707-17200	07-01-01	13	33	37725-03010	25	37	27
37561-16600	61-02-03	135	1 06	37707-20901	07-01-01	13	1	37725-03502	25	37	28
37561-16800	61-02-02	131	5	37707-28040	07-01-02	15	10	37725-07101	25-01	41	1
37561-18500	63	147	35	37709-12010	09	17	1	37725-07800	25-01	41	2
37561-23500	61-02-02	131	8	37709-12020	09	17	2	37725-08400	25-03	43	6
37561-26300	61-02-01	129	1 07	37709-12030	09	17	3	37725-08500	25-03	43	7
37561-26300	61-02-03	135	1 07	37709-12040	09	17	4	37725-08600	25-03	43	20
37561-26400	61-02-01	129	1 08	37709-12050	09	17	5	37725-08700	25-03	43	18
37561-26400	61-02-03	135	1 08	37709-18100	09	17	6	37725-08800	25-03	43	11
37561-46500	61-02-01	129	1 11	37709-18200	09	17	7	37725-08910	25-03	43	25
37561-46500	61-02-03	135	1 11	37709-18300	09	17	8	37725-08920	25-03	43	25
37561-56700	61-02-01	129	1 09	37709-18400	09	17	9	37725-08930	25-03	43	25
37561-56700	61-02-03	135	1 09	37711-04300	11	19	20	37725-08940	25-03	43	25
37561-62800	61-00-01	111	28	37711-06030	11	19	24	37725-10900	25	39	46
37561-67013	61-02-01	129	1 10	37711-06031	11	19	24	37725-12102	20	29	2 08
37561-67013	61-02-03	135	1 10	37711-06032	11	19	24	37725-14101	68-00-01	151	23
37561-86100	61-02-01	129	1 13	37711-10200	11	19	7	37725-15300	25-03	43	5
37561-86100	61-02-03	135	1 13	37711-13200	43	87	1	37725-17200	25-01	41	8
37562-10111	62	139	1 04	37711-25400	11	19	9	37725-20600	25	37	38
37562-13100	61-02-02	131	32	37711-45300	11	19	8	37725-22302	25	37	34
37562-13100	61-02-02	131	43	37714-20100	14	23	1	37725-30200	25	37	6
37562-13300	61-02-02	131	30	37714-22200	14	23	7	37725-40400	25	37	8
37562-13400	61-02-02	131	31	37714-32100	14	23	6	37725-40500	25	37	36
37562-13400	61-02-02	131	44	37719-22010	19	27	1	37725-41010	25	37	1
37562-15900	61-02-02	131	33	37719-22020	19	27	9	37725-41011	25	37	1
37562-15900	61-02-02	131	47	37719-60010	19	27	1	37725-90300	25	37	7

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
37730-11501	30	47 8	37735-03100	35	65 6	37745-00900	53-00-02	107 1 15
37732-02600	32	51 8	37735-10900	35	65 1 16	37745-10600	45	89 1 13
37732-07300	32-03	55 21	37735-21800	35	65 1 17	37745-10700	45	89 1 14
37732-09501	32-03	55 20	37735-30300	35	65 1 08	37745-20400	45	89 1 03
37732-10900	32	51 5	37735-30701	35	65 1 10	37745-20501	45	89 1 04
37732-17100	32-03	55 28	37735-40400	35	65 1 09	37745-60010	45	89 1
37732-21101	32	51 1	37735-48020	35	65 1 11	37746-00400	45	89 7
37732-27100	32-03	55 19	37735-72000	35	65 1 05	37746-00501	25	37 22
37733-03800	33-00-01	59 4	37735-81000	35	65 1 01	37746-01100	46-01-01	91 1
37733-13900	33-00-01	59 5	37736-01500	61-03	137 10	37746-01200	46-01-01	91 2
37733-17100	32-03	55 13	37736-01500	62-01-02	143 31	37746-01300	46-01-01	91 3
37733-17200	32-03	55 14	37736-02501	36	67 8	37746-04400	46-01-02	93 16
37734-01100	32	51 2	37736-03400	36	67 4	37746-04800	46-01-02	93 14
37734-01200	32	51 14	37736-10101	36	67 1	37746-13401	46-01-01	91 17
37734-02100	32	51 19	37736-11301	36-01	69 12	37746-14100	46-01-02	93 1
37734-02201	32	51 20	37736-19300	07-00-02	11 1	37746-23500	46-01-01	91 18
37734-10100	32	51 9	37736-21203	36-01	69 3	37746-24300	46-01-02	93 13
37734-10200	32	51 10	37736-44200	36-01	69 8	37748-11600	48	95 1
37734-10300	32	51 11	37739-00900	36-01	69 15	37751-01100	51-00-01	97 7
37734-10400	32	51 12	37739-10200	39-00-01	73 4	37751-02100	51-00-01	97 17
37734-10500	32	51 13	37739-20500	36-01	69 1	37751-02200	51-00-01	97 18
37734-10600	32	51 15	37739-22200	39-00-02	75 1	37751-03100	51-00-01	97 8
37734-10700	32	51 16	37739-22300	39-00-02	75 3	37751-03200	51-00-01	97 9
37734-10800	32	51 17	37739-30100	39-00-01	73 1 01	37751-04100	48	95 6
37734-10900	32	51 18	37739-30400	39-00-01	73 1 02	37751-04200	51-00-01	97 12
37734-12300	32-03	55 29	37739-32100	39-00-02	75 2	37751-05100	51-00-02	99 1
37734-12301	32-03	55 29	37739-50010	39-00-01	73 1	37751-05300	51-00-02	99 12
37734-12400	32-03	55 30	37740-00700	40-00-01	77 9	37751-05310	51-00-02	99 11
37734-12401	32-03	55 30	37740-01700	40-00-02	79 1 06	37751-05320	51-00-02	99 10
37734-12500	32-03	55 31	37740-06011	40-00-02	79 1 13	37751-05330	51-00-02	99 9
37734-12700	32-03	55 33	37740-07500	40-00-03	81 13	37751-05340	51-00-02	99 8
37734-12701	32-03	55 33	37740-07600	40-00-03	81 6	37751-05350	51-00-02	99 7
37734-12800	32-03	55 34	37740-07700	40-00-03	81 16	37751-06500	51-00-03	103 17
37734-12801	32-03	55 34	37740-07800	40-00-03	81 17	37751-11100	51-00-01	97 7
37734-12900	32-03	55 35	37740-17700	40-00-03	81 16	37753-00010	53-00-01	105 1
37734-13200	32-03	57 37	37740-27112	40-00-02	79 1 04	37753-00010	53-00-02	107 1
37734-13300	32-03	57 38	37740-27123	40-00-02	79 1 05	37753-00100	53-00-02	107 1 01
37734-22300	32-03	55 29	37740-50011	40-00-02	79 1	37753-00200	53-00-02	107 1 07
37734-22400	32-03	55 30	37740-50300	40-00-02	79 1 16	37753-00300	53-00-02	107 1 08
37734-22500	32-03	55 31	37740-50312	40-00-02	79 1 18	37753-00400	53-00-02	107 1 09
37734-22700	32-03	55 33	37740-50313	40-00-02	79 1 19	37753-01100	53-00-01	105 5
37734-22800	32-03	55 34	37740-50314	40-00-02	79 1 20	37753-01200	53-00-01	105 18
37734-22900	32-03	57 35	37740-50315	40-00-02	79 1 21	37753-01300	53-00-01	105 21
37734-23100	32-03	57 36	37740-55100	40-00-02	79 1 01	37753-01400	53-00-01	105 26
37734-23200	32-03	57 37	37740-65400	40-00-02	79 1 15	37753-01500	53-00-02	107 1 05
37734-23300	32-03	57 38	37742-13700	42-05	85 4	37755-01400	55	109 1 08
37734-32600	32-03	55 32	37743-04100	43	87 2	37761-03601	61-02-02	131 39
37734-33100	32-03	57 36	37743-04200	43	87 3	37761-03701	61-02-02	131 40
37734-42600	32-03	55 32	37743-04600	48	95 7	37761-04100	61-03	137 1
37735-00030	35	65 1	37745-00900	45	89 1 21	37761-09700	61-00-01	111 16

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.
37761-09800	61-01	125	14	37768-12200	68-00-01	151	5	37823-03800	23	35	5
37761-09900	61-02-02	131	41	37768-12300	68-00-01	151	8 05	37823-05100	20	29	2 07
37761-11800	61-00-01	111	21	37768-12600	68-00-01	151	17	37825-02100	20	29	2 08
37761-15600	61-00-01	111	30	37768-12700	68-00-01	151	18	37830-01500	30	47	6
37761-16200	61-01	125	7	37768-12800	68-00-01	151	20	37830-02100	30	47	2
37761-17700	61-01	127	41	37768-22100	68-00-01	151	1	37830-02200	30	47	3
37761-18400	61-01	125	12	37768-28300	68-00-01	151	9	37830-02300	30	47	4
37761-19300	61-01	125	37	37768-42500	68-00-01	151	14	37830-02400	30	47	5
37761-21601	61-00-01	111	41	37771-00101	71	155	1	37830-02700	30	47	24
37761-27100	61-01	125	1	37787-01500	87-05	157	2	37830-03403	30	47	10
37761-27500	61-01	125	35	37787-03300	87-05	157	22	37830-03403	30	47	10
37761-27600	61-01	125	36	37787-21201	87-05	157	9	37830-03800	30	47	11
37761-27800	61-01	127	42	37795-04020	63	147	23	37830-05800	30	47	23
37761-28700	61-01	125	26	37795-04610	53-00-01	105	1	37830-09800	30	47	16
37761-28701	61-01	125	26	37795-04610	53-00-02	107	1	37830-17100	30	47	15
37761-28800	61-01	125	27	37795-04611	53-00-02	107	1 07	37830-17300	30	47	14
37761-28801	61-01	125	27	37795-04612	53-00-02	107	1 08	37830-17301	30	47	14
37761-57201	61-01	125	13	37795-04613	53-00-02	107	1 09	37830-23600	30	47	21
37761-61700	61-00-01	111	15	37795-04620	53-00-01	105	2	37832-03701	32-01	53	6
37761-67200	61-01	125	13	37795-04630	53-00-02	107	1 05	37832-04101	33-00-01	59	8
37762-02900	61-03	137	19	37795-05210	63	147	25	37832-08300	32-03	55	5
37762-06100	61-00-02	115	1 54	37805-00700	05	7	1	37832-14300	32-01	53	2
37762-06100	61-00-03	121	1 54	37805-00800	05	7	2	37832-14400	32-01	53	5
37762-06200	62-01-02	143	23	37807-02600	07-00-01	9	5	37832-14800	32-01	53	14
37762-06300	62	139	8	37807-06100	07-01-01	13	22	37832-24200	33-00-01	59	12
37762-06500	62-01-01	141	1	37807-06400	07-01-01	13	18	37832-24700	32-01	53	10
37762-06600	62-01-01	141	11	37807-07300	07-01-01	13	32	37832-28100	32-03	55	3
37762-06700	62-01-01	141	22	37807-16200	07-01-01	13	19	37832-28200	32-03	55	4
37762-06800	62-01-01	141	25	37807-17200	07-01-01	13	8	37832-38100	32-03	55	3
37762-13100	61-00-01	111	4	37807-50012	07-00-01	9	1	37832-38200	32-03	55	4
37762-20400	62	139	5	37807-70010	07-00-01	9	1	37832-44500	32-01	53	1
37762-22800	61-03	137	18	37807-70011	07-00-01	9	1	37836-03300	36	67	27
37762-32600	61-03	137	11	37813-10200	13	21	3	37836-03500	36	67	26
37762-52501	61-03	137	9	37813-30102	13	21	1	37836-03601	36	67	16
37762-61400	62-01-02	143	30	37813-40100	13	21	1	37836-03701	36	67	20
37763-05500	63	147	22	37820-00500	20	29	3	37836-03901	36	67	25
37763-06200	61-01	125	4	37820-03010	20	29	1	37836-09300	36-02	71	19
37763-06400	61-01	125	5	37820-03011	20	29	1	37836-09400	36	67	24
37763-06400	63	147	34	37820-04300	20	29	2 04	37836-09700	36-02	71	23
37763-06600	63	147	23	37820-04301	20	29	2 04	37836-09800	36-02	71	24
37763-15701	63	147	24	37820-04400	20	29	2 10	37836-15101	36-02	71	1
37763-25800	63	147	25	37820-04401	20	29	2 10	37836-15302	63	147	3
37763-25900	63	147	26	37820-04500	20	29	2 01	37836-16800	36-02	71	20
37763-35900	63	147	26	37820-04501	20	29	2 01	37836-25200	36-02	71	2
37766-03200	11	19	4	37820-04600	20	29	2 03	37836-25901	36-02	71	8
37766-20200	66	149	1	37820-04700	20	29	2 02	37836-36100	36-02	71	13
37768-02400	68-00-01	151	10	37820-04701	20	29	2 02	37836-36600	36-02	71	16
37768-02700	68-00-01	151	18	37820-30011	20	29	1	37836-36700	36-02	71	17
37768-02800	68-00-01	151	20	37822-11100	22	33	1	37836-46200	36-02	71	14
37768-04200	68-00-01	151	13	37823-03600	23	35	2	37836-46600	36-02	71	16

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.	PART NO.	GRP NO.	PAREF GE-NO.
37836-46700	36-02	71 17	37862-06700	62-01-02	143 10	42800-53800	46-01-02	93 29
37836-76400	36-02	71 18	37862-06800	62-01-02	143 17	45298-20800	87-05	157 15
37842-23500	42-05	85 1	37863-01100	63	147 40	45298-20800	87-05	157 28
37846-14202	46-01-02	93 8	37892-01600	92-01	159 10	45325-91801	20	29 4
37851-05100	51-00-02	99 6	37892-01700	92-01	159 11	45568-42200	53-00-01	105 13
37851-05200	51-00-02	99 16	37892-01800	92-01	159 12	45600-42901	46-01-02	93 21
37851-05300	51-00-02	99 17	37893-08100	93	161 7	45689-50401	92-01	159 5
37851-05400	51-00-02	99 21	37895-10610	22	33 11	45713-62200	22	33 7
37851-05500	51-00-02	99 30	37895-10620	53-00-01	105 5	45740-36500	87-05	157 24
37851-05600	51-00-02	101 40	37895-10630	53-00-01	105 26	45742-56600	13	21 6
37851-05700	51-00-02	99 23	37895-10640	53-00-01	105 18	45815-43300	53-00-01	105 10
37851-06200	51-00-03	103 1	37895-10650	53-00-01	105 21	45940-30101	61-01	125 33
37851-06200	51-00-03	103 2	37895-10660	53-00-01	105 31	45950-51700	61-03	137 25
37851-06300	51-00-03	103 4	37895-10670	53-00-01	105 32	45950-51700	62-01-01	141 31
37851-06400	51-00-03	103 5	37895-10710	51-00-01	97 8	45951-04014	92-01	159 13
37851-06500	51-00-03	103 12	37895-10720	51-00-01	97 9	45954-30050	07-01-02	15 8
37855-00500	55	109 3	37895-10730	48	95 6	45954-30050	07-01-02	15 8
37855-00700	55	109 3	37895-10740	51-00-01	97 12	45R43-40401	43	87 7
37855-01500	55	109 1 11	37895-10750	51-00-03	103 17	45R53-31400	53-00-01	105 8
37855-11200	55	109 1 10	37895-10810	51-00-02	99 1	45R53-31500	53-00-01	105 9
37855-18100	55	109 1 09	37895-10820	51-00-02	99 6	47500-34100	87-05	157 29
37860-02100	61-02-02	131 10	37895-10830	51-00-02	99 17	47500-34100	87-05	157 29
37860-02200	61-02-02	131 11	37895-10840	51-00-02	99 21	47500-36700	87-05	157 30
37860-02300	61-02-02	131 12	37895-10850	51-00-02	99 23	47500-36700	87-05	157 30
37860-02400	61-02-02	131 13	37895-10860	51-00-02	99 30	47500-39900	63	147 6
37860-02500	61-02-02	131 14	37895-10870	51-00-02	101 40	47500-55701	25-03	43 37
37860-02600	61-02-02	131 15	37895-10920	51-00-03	103 1	47503-62920	53-00-01	105 33
37860-02700	61-02-02	131 16	37895-10930	51-00-03	103 2	47510-51700	07-01-01	13 27
37860-02800	61-02-02	131 17	37895-10940	51-00-03	103 4	47510-61601	46-01-02	93 25
37860-03100	61-02-02	131 18	37895-10950	51-00-03	103 5	47520-25800	87-05	157 23
37860-03200	61-02-02	131 19	37895-10960	51-00-03	103 12	47520-25800	87-05	157 23
37860-03300	61-02-02	131 20	37895-12810	22	33 18	47521-60900	51-00-02	99 31
37860-03400	61-02-02	131 21	37897-07710	93	161 7	48000-96600	61-01	125 31
37860-03500	61-02-02	131 22	37899-H54A0	51-00-02	99 16	48000-96600	61-01	125 31
37860-03600	61-02-02	131 23	37899-H54J0	51-00-02	99 7	48000-96600	63	147 5
37860-03700	61-02-02	131 24	37899-H54J1	51-00-02	99 8	48000-96600	63	147 21
37860-03800	61-02-02	131 25	37899-H54J2	51-00-02	99 9	48000-96600	63	147 38
37861-01800	61-02-02	131 26	37899-H54J3	51-00-02	99 10	48202-02300	61-00-02	113 1 19
37861-01800	61-02-02	131 26	37899-H54J4	51-00-02	99 11	48202-02300	61-00-03	119 1 19
37861-02900	61-02-02	133 52	37899-H54J5	51-00-02	99 12	48202-02600	61-00-02	113 1 22
37861-04200	61-03	137 2	37899-H54L0	46-01-01	91 18	48202-02600	61-00-03	119 1 22
37861-11501	61-00-01	111 36	37K46-06100	51-00-01	97 1	48202-02900	61-00-02	113 1 25
37861-11601	61-00-01	111 37	37K46-06200	51-00-01	97 2	48202-02900	61-00-03	119 1 25
37861-61100	61-00-01	111 3	37K46-06300	51-00-01	97 3	48202-03300	61-00-02	115 1 87
37862-06100	62-01-01	141 18	39A60-00100	62-01-01	141 5	48202-03300	61-00-03	121 1 87
37862-06200	62-01-01	141 28	39A61-01400	62-01-01	141 9	48202-04500	61-00-02	113 1 41
37862-06300	62-01-02	143 1	41232-03900	32-01	53 9	48202-04500	61-00-03	119 1 41
37862-06400	62-01-02	143 21	41232-04100	32-01	53 8	48202-04600	61-00-02	113 1 42
37862-06500	62-01-02	143 5	42061-21800	61-01	125 24	48202-04600	61-00-03	119 1 42
37862-06600	62-01-02	143 15	42800-53800	46-01-02	93 29	48202-04700	61-00-02	113 1 43

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.	PART NO.	GRP NO.	PA GE	REF -NO.
48202-04700	61-00-03	119	1 43	48202-33900	61-00-03	119	1 33	48270-11800	61-00-02	113	1 15
48202-04800	61-00-02	113	1 38	48202-35900	61-00-02	113	1 09	48270-11800	61-00-03	119	1 15
48202-04800	61-00-03	119	1 38	48202-35900	61-00-03	119	1 09	48270-14101	61-00-02	113	1 10
48202-04900	61-00-02	113	1 39	48202-39100	61-00-02	115	1 78	48270-14101	61-00-03	119	1 10
48202-04900	61-00-03	119	1 39	48202-39100	61-00-03	121	1 78	48270-50010	61-00-02	113	1 07
48202-05101	61-00-02	117	1 90	48202-53100	61-00-02	115	1 89	48270-50010	61-00-03	119	1 07
48202-05101	61-00-03	121	1 90	48202-53100	61-00-03	121	1 89	48291-00301	61-00-02	115	1 50
48202-05500	61-00-02	113	1 44	48202-54001	61-00-02	113	1 29	48291-00301	61-00-03	121	1 50
48202-05500	61-00-03	119	1 44	48202-54001	61-00-03	119	1 29	48291-01300	61-00-02	117	1 91
48202-05800	61-00-02	113	1 27	48210-35601	61-00-02	113	1 17	48291-01300	61-00-03	123	1 91
48202-05800	61-00-03	119	1 27	48210-35601	61-00-03	119	1 17	48A11-02100	61-00-02	113	1 08
48202-07100	61-00-02	115	1 70	48213-40200	61-00-02	113	1 03	48A11-02100	61-00-03	119	1 08
48202-07100	61-00-03	121	1 70	48213-40200	61-00-03	119	1 03	48A11-08000	61-00-02	113	1 05
48202-07600	61-00-02	113	1 23	48213-40203	61-00-02	113	1 03	48A11-08000	61-00-03	119	1 05
48202-07600	61-00-03	119	1 23	48213-40203	61-00-03	119	1 03	48A13-01100	61-00-02	113	1 31
48202-07700	61-00-02	113	1 28	48213-50200	61-00-02	113	1 03	48A13-01100	61-00-03	119	1 31
48202-07700	61-00-03	119	1 28	48213-50200	61-00-03	119	1 03	48A13-02200	61-00-02	115	1 79
48202-08200	61-00-02	115	1 52	48230-05200	61-00-01	111	13	48A13-02200	61-00-03	121	1 79
48202-08200	61-00-03	121	1 52	48250-04400	61-00-02	113	1 40	48A15-01000	61-00-02	113	1 13
48202-08300	61-00-02	115	1 57	48250-04400	61-00-03	119	1 40	48A15-01000	61-00-03	119	1 13
48202-08300	61-00-03	121	1 57	48251-00100	61-00-02	115	1 45	48A15-01001	61-00-02	113	1 13
48202-11700	61-00-02	113	1 14	48251-00100	61-00-03	119	1 45	48A15-01001	61-00-03	119	1 13
48202-11700	61-00-03	119	1 14	48251-00600	61-00-02	115	1 81	48A16-00101	61-00-02	113	1 16
48202-12400	61-00-02	113	1 20	48251-00600	61-00-03	121	1 81	48A16-00101	61-00-03	119	1 16
48202-12400	61-00-03	119	1 20	48251-00800	61-00-02	115	1 82	48A17-08100	61-00-02	115	1 67
48202-14100	61-00-02	113	1 34	48251-00800	61-00-03	121	1 82	48A17-08100	61-00-03	121	1 67
48202-14100	61-00-03	119	1 34	48251-00900	61-00-02	115	1 83	48A32-00102	61-00-02	113	1 04
48202-14200	61-00-02	113	1 35	48251-00900	61-00-03	121	1 83	48A32-10102	61-00-02	113	1 04
48202-14200	61-00-03	119	1 35	48251-10300	61-00-02	115	1 47	48A32-10102	61-00-03	119	1 04
48202-14300	61-00-02	113	1 36	48251-10300	61-00-03	121	1 47	48A32-10102	61-00-03	119	1 04
48202-14300	61-00-03	119	1 36	48251-10400	61-00-02	115	1 51	48A33-00101	61-00-02	113	1 02
48202-14400	61-00-02	113	1 37	48251-10400	61-00-03	121	1 51	48A43-00101	61-00-03	119	1 02
48202-14400	61-00-03	119	1 37	48251-10500	61-00-02	115	1 49	48A70-08004	61-00-02	113	1
48202-15100	61-00-02	117	1 90	48251-10500	61-00-03	121	1 49	48A80-08004	61-00-03	119	1
48202-15100	61-00-03	123	1 90	48251-10700	61-00-02	115	1 80	48C17-03200	61-00-02	115	1 46
48202-21201	61-00-02	113	1 11	48251-10700	61-00-03	121	1 80	48C17-03200	61-00-03	121	1 46
48202-21201	61-00-03	119	1 11	48251-11400	61-00-02	115	1 48	48C17-11200	61-00-02	115	1 46
48202-21301	61-00-02	113	1 12	48251-11400	61-00-03	121	1 48	48C17-11200	61-00-03	121	1 46
48202-21301	61-00-03	119	1 12	48251-13000	61-00-03	121	1 75	49126-60220	32-03	55	6
48202-22201	61-00-02	113	1 18	48251-13010	61-00-02	115	1 75	49162-23200	33-00-02	61	1 11
48202-22201	61-00-03	119	1 18	48251-20400	61-00-02	115	1 51	49162-23200	33-00-03	63	1 11
48202-22800	61-00-02	113	1 24	48251-20400	61-00-03	121	1 51	49168-18800	61-00-02	113	1 06
48202-22800	61-00-03	119	1 24	48251-20500	61-00-02	115	1 49	49168-18800	61-00-03	119	1 06
48202-23201	61-00-02	115	1 85	48251-20500	61-00-03	121	1 49	49174-22710	33-00-03	63	1 27
48202-23201	61-00-03	121	1 85	48251-23018	61-00-02	115	1 62	49181-08800	33-00-02	61	1 01
48202-23500	61-00-02	113	1 30	48251-23018	61-00-03	121	1 62	49181-14003	32-01	53	4
48202-23500	61-00-03	119	1 30	48251-31000	61-00-03	121	1 75	49181-14004	33-00-02	61	1 26
48202-32500	61-00-02	113	1 21	48251-31010	61-00-02	115	1 75	49181-14410	33-00-02	61	1 29
48202-32500	61-00-03	119	1 21	48251-31018	61-00-02	115	1 62	49181-15400	33-00-02	61	1 28
48202-33900	61-00-02	113	1 33	48251-31018	61-00-03	121	1 62	49181-19300	33-00-02	61	1 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.
49181-21100	33-00-02	61 1 03	49490-52801	33-00-02	61 1			
49181-21100	33-00-03	63 1 03	49490-52802	33-00-02	61 1			
49181-21600	33-00-02	61 1 04	49490-52803	33-00-02	61 1			
49181-21600	33-00-03	63 1 04	49490-52804	33-00-02	61 1			
49181-22200	33-00-02	61 1 02	51776-03000	61-01	125 32			
49181-22200	33-00-03	63 1 02	53889-05200	40-00-03	81 22			
49181-22300	33-00-02	61 1 10	53889-05200	51-00-02	101 35			
49181-22300	33-00-03	63 1 10	53889-05200	51-00-02	101 35			
49181-22500	33-00-02	61 1 08	56579-08800	51-00-02	101 34			
49181-22500	33-00-03	63 1 08	56579-08800	51-00-02	101 34			
49181-22600	33-00-02	61 1 09	56C95-14900	13	21 18			
49181-22600	33-00-03	63 1 09	58034-04400	32-03	55 18			
49181-22700	33-00-02	61 1 20	58034-04400	51-00-01	97 21			
49181-22710	33-00-03	63 1 20	58034-04400	55	109 6			
49181-23100	33-00-02	61 1 12	63669-23400	32-03	55 21			
49181-23100	33-00-03	63 1 12	64393-46700	07-01-01	13 29			
49181-23500	33-00-02	61 1 21	66F57-05600	92-01	159 14			
49181-23500	33-00-03	63 1 21	70921-01460	66	149 1 24			
49181-23700	33-00-02	61 1 22	72312-00090	66	149 1 08			
49181-23700	33-00-03	63 1 22	72332-00120	66	149 1 15			
49181-25310	33-00-02	61 1 15	72335-10080	66	149 1 07			
49181-30230	33-00-02	61 1 18	72378-00070	66	149 1 05			
49181-42100	33-00-02	61 1 07	87033-42700	33-00-01	59 6			
49181-42100	33-00-03	63 1 07	91262-07700	63	147 31			
49181-42230	33-00-02	61 1 13	91365-03200	61-01	125 15			
49181-42230	33-00-03	63 1 13	94104-01100	25-03	43 34			
49181-42300	33-00-02	61 1 06						
49181-42300	33-00-03	63 1 06						
49181-42400	33-00-02	61 1 05						
49181-42400	33-00-03	63 1 05						
49181-46100	33-00-02	61 1 24						
49181-53100	33-00-02	61 1 25						
49182-06210	33-00-03	63 1						
49182-06220	33-00-03	63 1						
49182-06230	33-00-03	63 1						
49182-06240	33-00-03	63 1						
49182-07130	33-00-03	63 1 01						
49182-11360	33-00-03	63 1 34						
49182-14305	33-00-03	63 1 35						
49182-17280	33-00-03	63 1 28						
49182-18000	33-00-03	63 1 29						
49182-19300	33-00-03	63 1 14						
49182-19500	33-00-03	63 1 31						
49182-25620	33-00-03	63 1 15						
49182-30230	33-00-03	63 1 18						
49182-45010	33-00-03	63 1 24						
49182-55840	33-00-03	63 1 25						
49182-58130	33-00-03	63 1 30						
49182-60910	33-00-03	63 1 26						
49183-22800	33-00-02	61 1 17						

400949-01

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	F1825-08025	F1035-08025	F1825-08050	F1035-08050
	F2515-06000		F2515-08000		F2515-08000
	F2500-06000		F2500-08000		F2500-08000
F1825-06035	F1035-06035	F1825-08030	F1035-08030	F1825-08055	F1035-08055
	F2515-06000		F2515-08000		F2515-08000
	F2500-06000		F2500-08000		F2500-08000
F1825-06055	F1035-06055	F1825-08035	F1035-08035	F1825-08085	F1035-08085
	F2515-06000		F2515-08000		F2515-08000
	F2500-06000		F2500-08000		F2500-08000
F1825-08012	F1035-08012	F1825-08038	F1035-08038	F1825-10014	F1035-10014
	F2515-08000		F2515-08000		F2515-10000
	F2500-08000		F2500-08000		F2500-10000
F1825-08016	F1035-08016	F1825-08040	F1035-08040	F1825-10016	F1035-10016
	F2515-08000		F2515-08000		F2515-10000
	F2500-08000		F2500-08000		F2500-10000
F1825-08020	F1035-08020	F1825-08045	F1035-08045	F1825-10020	F1035-10020
	F2515-08000		F2515-08000		F2515-10000
	F2500-08000		F2500-08000		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	4	37832-28200	37832-38200	INSULATOR,TURBO	1	32-03	4	
			37832-38100	INSULATOR,TURBO	1	32-03	3	
			37732-07300	STAY,TURBO,INSULATOR	2	32-03	21	
	31	37734-12500	37734-22500	37734-22900	INSULATOR,REAR	1	32-03	31
				37734-22900	INSULATOR,REAR	1	32-03	35
	32	37734-32600	37734-42600	37734-22400	INSULATOR,REAR	1	32-03	32
				37734-22400	INSULATOR,FRONT	1	32-03	30
				37734-22800	INSULATOR,FRONT	1	32-03	34
				37734-33100	INSULATOR,REAR	1	32-03	36
	36-02	16	37836-36600	37836-46600	PIPE,DRAIN	1	36-02	16
				37836-09700	SPACER	1	36-02	23
				37836-09800	STAY,DRAIN PIPE	1	36-02	24
F1825-10020				BOLT,W/WASHER	1	36-02	25	
F1035-12065				BOLT	1	36-02	26	
F2515-12000				WASHER,SPRING	1	36-02	27	
17				37836-36700	37836-46700	37836-09700	PIPE,DRAIN	1
		37836-09700	SPACER			1	36-02	23
		37836-09800	STAY,DRAIN PIPE			1	36-02	24
		F1825-10020	BOLT,W/WASHER			1	36-02	25
		F1035-12065	BOLT			1	36-02	26
		F2515-12000	WASHER,SPRING			1	36-02	27
		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	

