

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 contains service parts for the following Mitsubishi S4Q,S4Q2 diesel engine. The applicable engine type and serial number are as below:

ENGINE NAME	MODEL	USE · SPECIFICATION	APPLICABLE SERIAL NO.
S4Q	Y165DG	For Generator	16229 - UP
	Y165DP	For Power unit	18369 - UP
S4Q2	Y165DG	For Generator	16228 - UP
	Y165DP	For Power unit	18368 - UP

2. 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.

3. 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.

4. 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.

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

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

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

SAMPLE OF PARTS CATALOGUE

GROUP NAME
GROUP NUMBER → **01-01 CRANKCASE**

Applicable to serial NO. shown on cover and up if blank.

Model type

REF. NO.	PART NO.	R/P	S/E/Q	C/N/G	PARTNAME&DESCRIPTION	MODEL&QTY		APPLICABLE SERIAL NO.		M/R	V/R/D
						31NCA		FORM@--	--@UPTD		
1	MM409741	R	1	C	RETAINER	1			-11000		
	MM434729				RETAINER	1		11001-			
2	MM430181				BLOCK SUB ASSY	1					
2 01	MF665538				CAP,SEARING	2					
2 02	MF665543				CAP,SEARING	2					
2 03	MM436217				BOLT,BEARING CAP	8					
2 04	*				CAP ASSY	1					
2 09	MM498176				BUSHING	1				V	
3	MD000268			C	PIN,DOWEL	2			@12050		
	MM409645			1	PIN,DOWEL	2		12051@		A	
4	MF240051				BOLT,W/WASHER	3					

See (8) - a Description codes.

Quantity per unit

Applicable from serial No. indicated.

High-demand part. See (11)

Applicable from 12051 (Scheduled) if suffixed with @ and sometimes differs from real serial No.

Part newly changed or added. See (12)

See (5) Sequence-of-change numbers.

Applicable up to 12051 (Scheduled) if prefixed with @ and sometimes differs from real serial No.

See (2) Reference number.

See (4) Interchangerability code.

Applicable up to serial No. indicated.

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)

01-01 CYLINDER HEAD
(FOR 1, 2)

- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

- 3 -

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY					APPLICABLE SERIAL NO.		MV /R ORD
				1	2	3	4		FROM @ -- @ UPTO		
1	32C01-21011		HEAD ASSY, CYLINDER	1	1	.	.				
101	MM316248		PLUG, DRAIN	1	1	.	.				A
102	30636-25901		GASKET	1	1	.	.				A
2	*		HEAD SUB ASSY, CYL	1	1	.	.				
201	04826-22500		CAP SEALING	7	7	.	.				

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 where the reference number is of three to four figures, the first and second figures show the reference number of an assembly, and the last two figures 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 upto the serial no. expressed in Serial No. column)

E : Added part except above reasons

Q : Change of quantity

(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

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

TABLE OF SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION
ACCEL	ACCELERATOR
ADJ	ADJUSTING (ADJUSTABLE)
AIR-CON	AIR-CONDITIONER
ASSY	ASSEMBLY
ATT	ATTACHMENT
AUTO	AUTOMATIC
AUX	AUXILIARY
AR	AS REQUIRED
B/H	BACKHOE
BATT	BATTERY
BRG	BEARING
B/PMP	BILGE PUMP
BRKT	BRACKET
BUSH	BUSHING
CARB	CARBURETOR
C/L	CENTERLINE
COMPR	COMPRESSOR
CON-ROD	CONNECTING-ROD
C/MBR	CROSS-MEMBER
CYL	CYLINDER
DIA	DIAMETER
DIFF	DIFFERENTIAL
DISTR	DISTRIBUTOR
DR	DRIVE
D=	OUT DIAMETER

SYMBOL	DESCRIPTION
ELEC	ELECTRIC
ENG	ENGINE
EQUIP	EQUIPMENT
EXH	EXHAUST
E/TNK	EXPANSION TANK
FITT	FITTING
FLEX	FLEXIBLE
FR	FRONT
GSKT	GASKET
GEN	GENERATOR
GOV	GOVERNOR
G/N	GROUP NUMBER
H/EXCH	HEAT EXCHANGER
HEX	HEXAGON
HYD	HYDRAULIC
H=	HEIGHT
IND	INDUSTRIAL
INJ	INJECTION
INSTAL	INSTALLATION
INST	INSTRUMENT
INTLK	INTERLOCK
JUNC	JUNCTION
KD	KNOCKDOWN
L.H	LEFT HAND
LUB	LUBRICATION
L=	LENGTH

SYMBOL	DESCRIPTION
MANF	MANIFOLD
MAX	MAXIMUM
M.L.H	MAXIMUM LIFTING HEIGHT
MIN	MINIMUM
MTR	MOTOR
MTG	MOUNTING
NO.	NUMBER
OPT	OPTION
O/D	OVER DRIVE
O.S	OVERSIZE
PTO	POWER TAKE-OFF
P/S	POWER STEERING
PRESS	PRESSURE
P/N	PART NUMBER
QTY	QUANTITY
RAD	RADIATOR
RE	REAR
REG	REGULATOR
REV	REVERSE
R.H	RIGHT HAND
REF.NO.	REFERENCE NUMBER
R/N	REFERENCE NUMBER
S/PMP	SEA WATER PUMP
SECT	SECTION
S/MBR	SIDEMEMBER

TABLE OF SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION
STD	STANDARD
SUPT	SUPPORT
SYM	SYMBOL
SYNCH	SYNCHRONIZER
SYS	SYSTEM
TEMP	TEMPERATURE
TERM	TERMINAL
T/CONV	TORQUE-CONVERTER
T/F	TRANSFER
T/M	TRANSMISSION
T/HSG	TURBINE-HOUSING
T/C	TURBOCHARGER
T=	THICKNESS
U/BODY	UNDERBODY
U.S	UNDERSIZE
UNIV	UNIVERSAL
VAC	VACUUM
VENT	VENTILATOR
W/STRIP	WEATHERSTRIP
W/	WITH
W/O	WITHOUT
W/W	WOODWARD
W/PMP	WATER PUMP
W=	WIDTH
Z=	NUMBER OF GEAR TEETH

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

SYMBOL	DESCRIPTION

TABLE OF MAKER'S NAME

BAS or ZXL	Bosch Automotive System Corp. (OLD:Zexel Corp.)	NKC	Nikko Electric Industry Co.,Ltd.
DEN or NDC	DENSO Corp. (OLD:Nippon denso Co.,Ltd.)	MEC	Mitsubishi Electric Corp.
NCC	Niigata Converter Co., Ltd.	SEC	Sawafuji Electric Co.,Ltd.
		MPC	Mikuni Precision Co.,Ltd.

C O N T E N T S

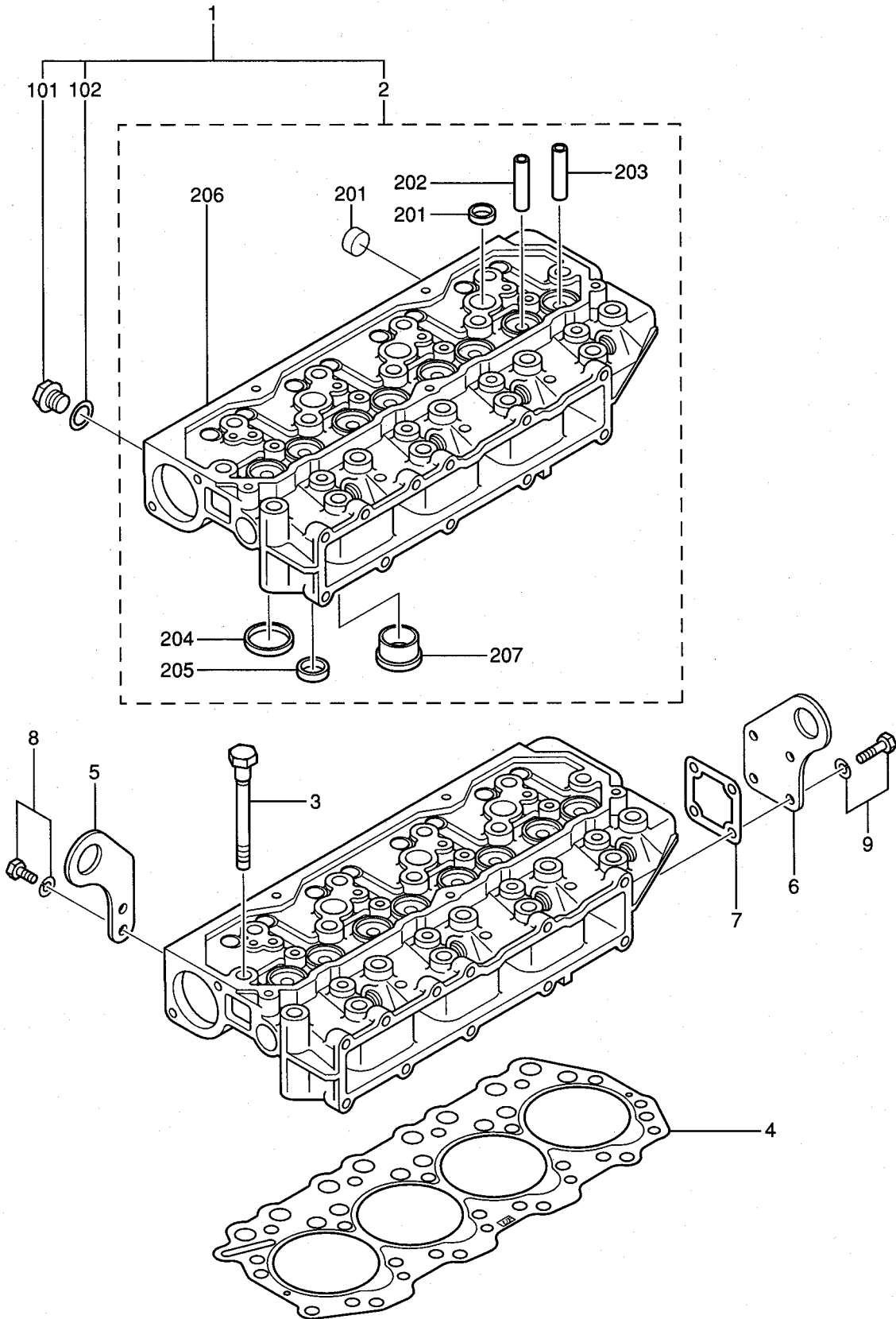
GROUP NO.	GROUP NAME	PAGE
ENGINE BODY		
01-01	CYLINDER HEAD (FOR 1,2).....	2
01-02	CYLINDER HEAD (FOR 3,4).....	4
04-01	VALVE MECHANISM.....	6
04-02	ROCKER COVER & BREATHER.....	8
05	CAMSHAFT.....	10
07-01	CRANKCASE ASSY.....	12
07-02	MAIN METAL.....	14
11	TIMING GEAR CASE.....	16
12	FLYWHEEL HOUSING.....	18
13	OIL PAN.....	20
17-01	PISTON & CONNECTING ROD (FOR 1,2).....	22
17-02	PISTON & CONNECTING ROD (FOR 3,4).....	24
20-01	CRANKSHAFT & FLYWHEEL (FOR 1,2).....	26
20-02	CRANKSHAFT & FLYWHEEL (FOR 3,4).....	28
23	TIMING GEAR.....	30
INLET & EXHAUST SYSTEM		
30	INLET & EXHAUST MANIFOLD.....	32
OIL SYSTEM		
36	OIL PUMP & OIL STRAINER.....	34

GROUP NO.	GROUP NAME	PAGE
40	OIL FILTER.....	36
COOLING SYSTEM		
46-01	COOLING SYSTEM (FOR 1,3).....	38
46-02	COOLING SYSTEM (FOR 2,4).....	40
FUEL SYSTEM		
61-01-01	FUEL INJECTION PUMP GENERAL.....	42
61-01-02	FUEL SYSTEM.....	44
61-02-01	NOZZLE (FOR 1,3).....	46
61-02-02	NOZZLE (FOR 2,4).....	48
61-03	INJECTION PUMP (FOR 3,4).....	52
61-04-01	GOVERNOR (FOR 3).....	56
61-04-02	GOVERNOR (FOR 4).....	60
61-05-01	FEED PUMP (FOR 3).....	64
61-05-02	FEED PUMP (FOR 4).....	66
62	FUEL FILTER.....	68
ELECTRIC PARTS		
66-01	ELECTRIC PARTS.....	70
66-02	STARTER (12V-2.0KW).....	72
68	ALTERNATOR (12V-50A).....	74
CONTROL SYSTEM		
87	CONTROL SYSTEM.....	76

GROUP NO.	GROUP NAME	PAGE
	INSTRUMENT PARTS	
90	INSTRUMENT.....	78
	ACCESSORY	
92	ACCESSORY.....	80
	REPAIR PARTS	
94	OVERHAUL GASKET KIT.....	82
	NUMERICAL PARTS INDEX.....	C1
	TABLE OF BOLT,W/WASHER.....	D1

01-01 CYLINDER HEAD
(FOR 1, 2)

- 2-



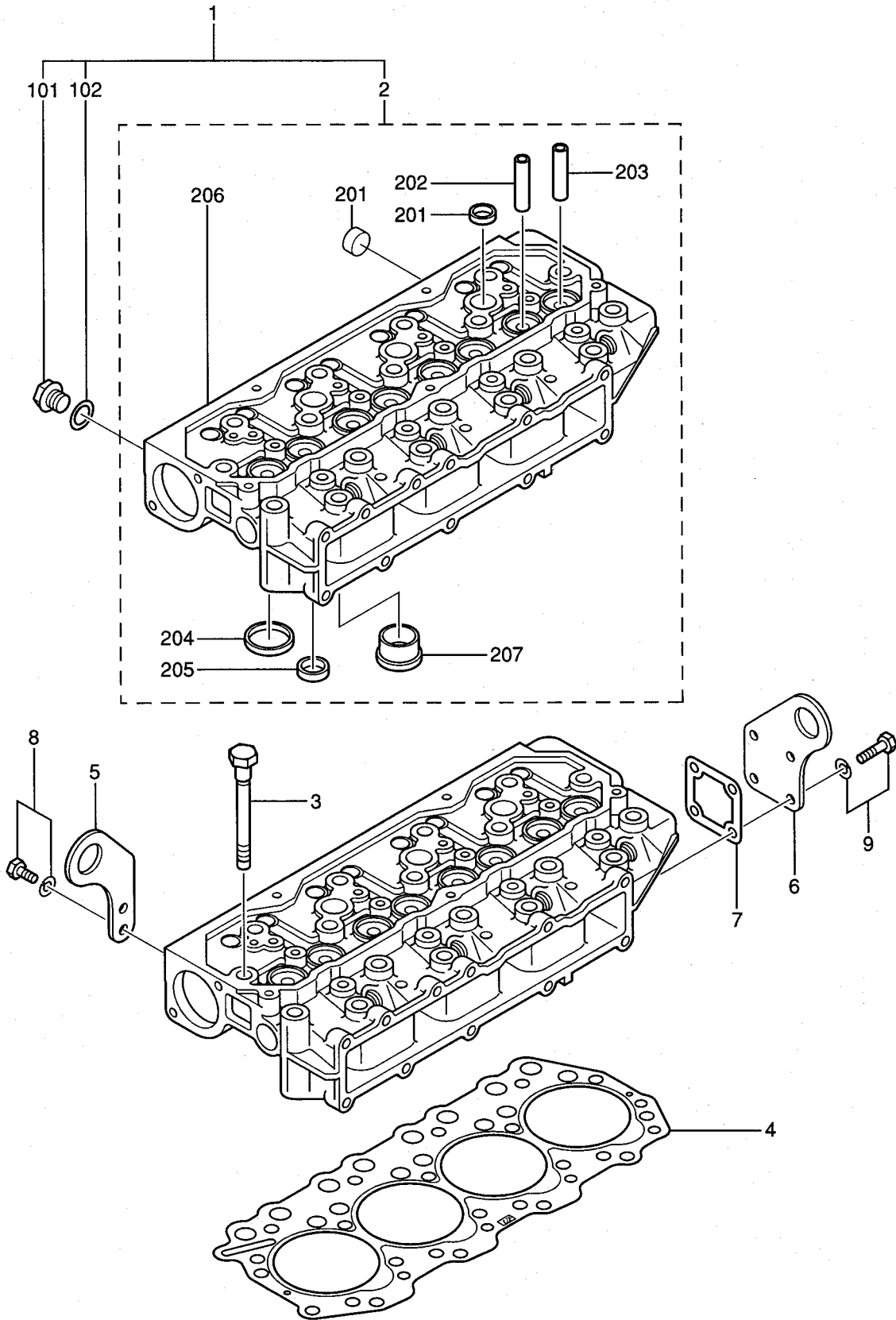
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

01-01 CYLINDER HEAD
(FOR 1, 2)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY					APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R
				1	2	3	4			
1	32C01-21011		HEAD ASSY,CYLINDER	1	1	.	.			
101	MM316248		PLUG,DRAIN	1	1	.	.			A
102	30636-25901		GASKET	1	1	.	.			A
2	*		HEAD SUB ASSY,CYL	1	1	.	.			
201	04826-22500		CAP SEALING	7	7	.	.			
202	32A01-01600		GUIDE,INLET VALVE	4	4	.	.			
203	32C01-01600		GUIDE,EXHAUST VALVE	4	4	.	.			
204	32C01-14100		SEAT,INLET VALVE	4	4	.	.			
205	32C01-04200		SEAT,EXHAUST VALVE	4	4	.	.			
206	*		CYLINDER HEAD	1	1	.	.			
207	32C03-01200		JET,COMBUSTION	4	4	.	.			
3	32C01-02500		BOLT,CYLINDER HEAD	18	18	.	.			
4	32C01-12100		GASKET,CYLINDER HEAD	1	1	.	.			
5	32C01-03300		EYE,LIFTING FRONT	1	1	.	.			
6	32C01-03400		EYE,LIFTING REAR	1	1	.	.			
7	32C01-03100		GASKET,CYLINDER HEAD	1	1	.	.			A
8	F1805-08016		BOLT,W/WASHER B/W	2	2	.	.			A
9	F1805-08020		BOLT,W/WASHER B/W	4	4	.	.			A

01-02 CYLINDER HEAD
(FOR 3, 4)

- 4 -



- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

01-02 CYLINDER HEAD
(FOR 3, 4)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY				APPLICABLE SERIAL NO.	M /R RD
				1	2	3	4		
1	32C01-11041		HEAD ASSY,CYLINDER	.	.	1	1	FROM@--@UPTO	
101	MM316248		PLUG,DRAIN	.	.	1	1		A
102	30636-25901		GASKET	.	.	1	1		A
2	*		HEAD SUB ASSY,CYL	.	.	1	1		
201	04826-22500		CAP,SEALING	.	.	7	7		
202	32A01-01600		GUIDE,INLET VALVE	.	.	4	4		
203	32C01-01600		GUIDE,EXHAUST VALVE	.	.	4	4		
204	32C01-14100		SEAT,INLET VALVE	.	.	4	4		
205	32C01-04200		SEAT,EXHAUST VALVE	.	.	4	4		
206	*		CYLINDER HEAD	.	.	1	1		
207	32C03-01400		JET,COMBUSTION	.	.	4	4		
3	32C01-02500		BOLT,CYLINDER HEAD	.	.	18	18		
4	32C01-12100		GASKET,CYLINDER HEAD	.	.	1	1		
5	32C01-03300		EYE,LIFTING FRONT	.	.	1	1		
6	32C01-03400		EYE,LIFTING REAR	.	.	1	1		
7	32C01-03100		GASKET,CYLINDER HEAD	.	.	1	1		A
8	F1805-08016		BOLT,W/WASHER B/W	.	.	2	2		A
9	F1805-08020		BOLT,W/WASHER B/W	.	.	4	4		A

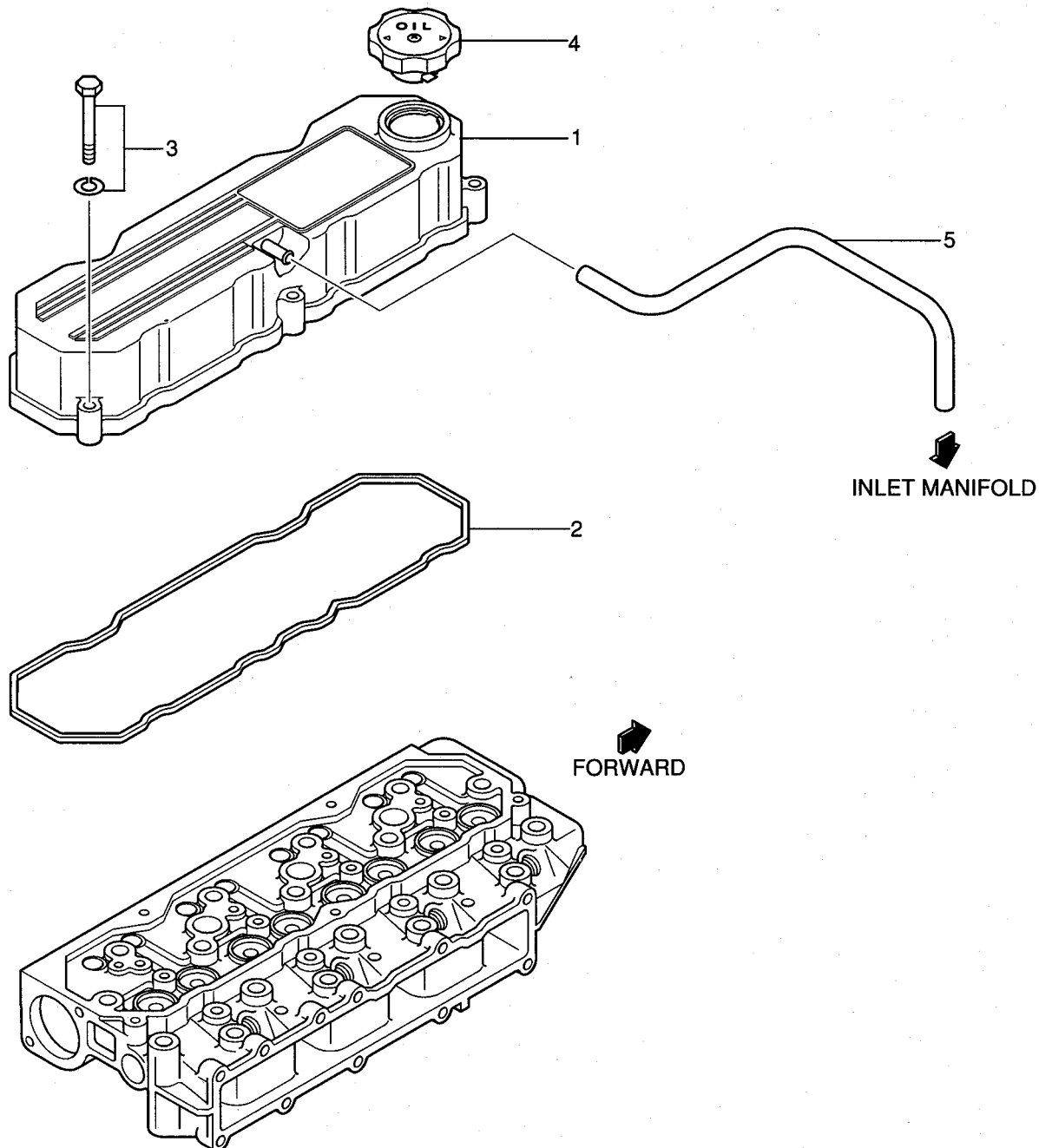
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

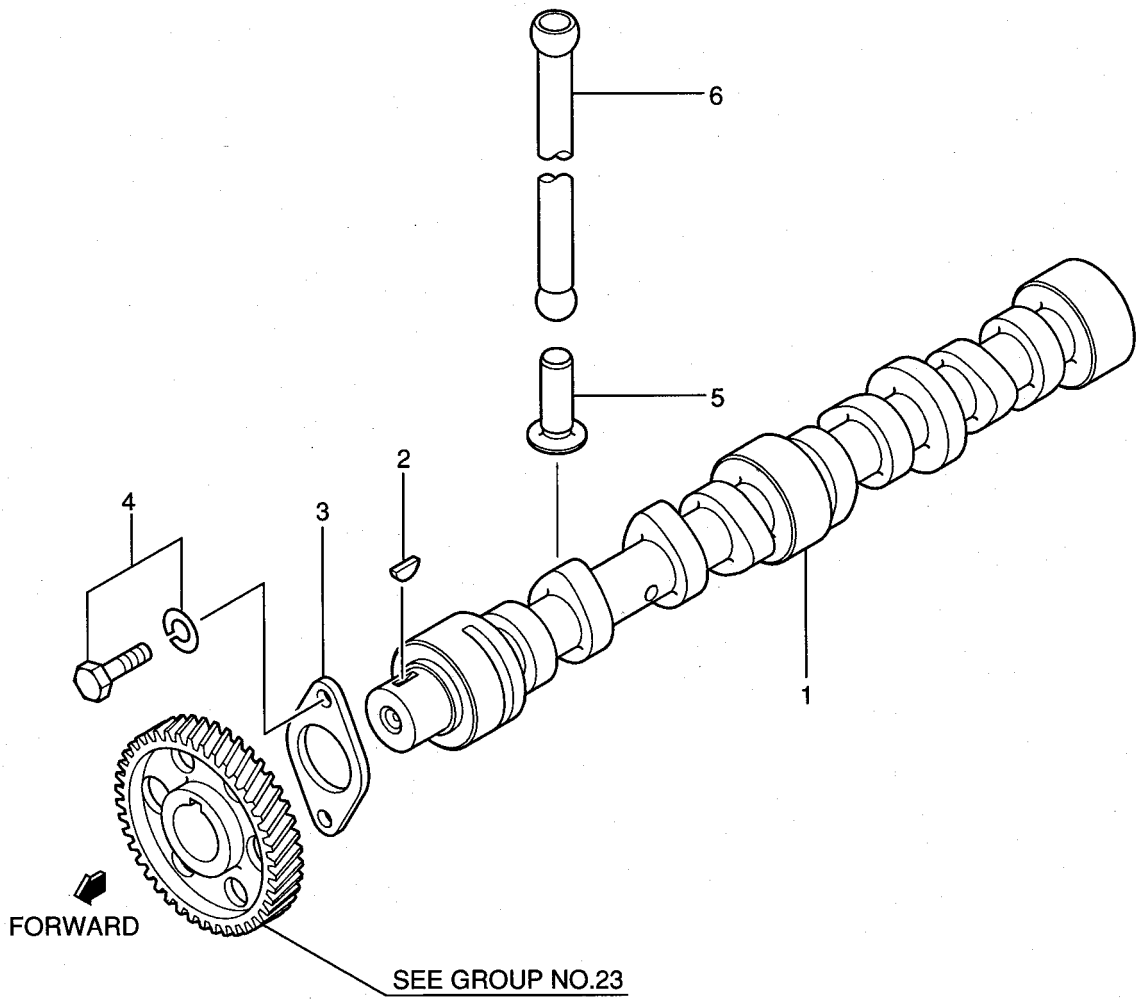
04-01 VALVE MECHANISM

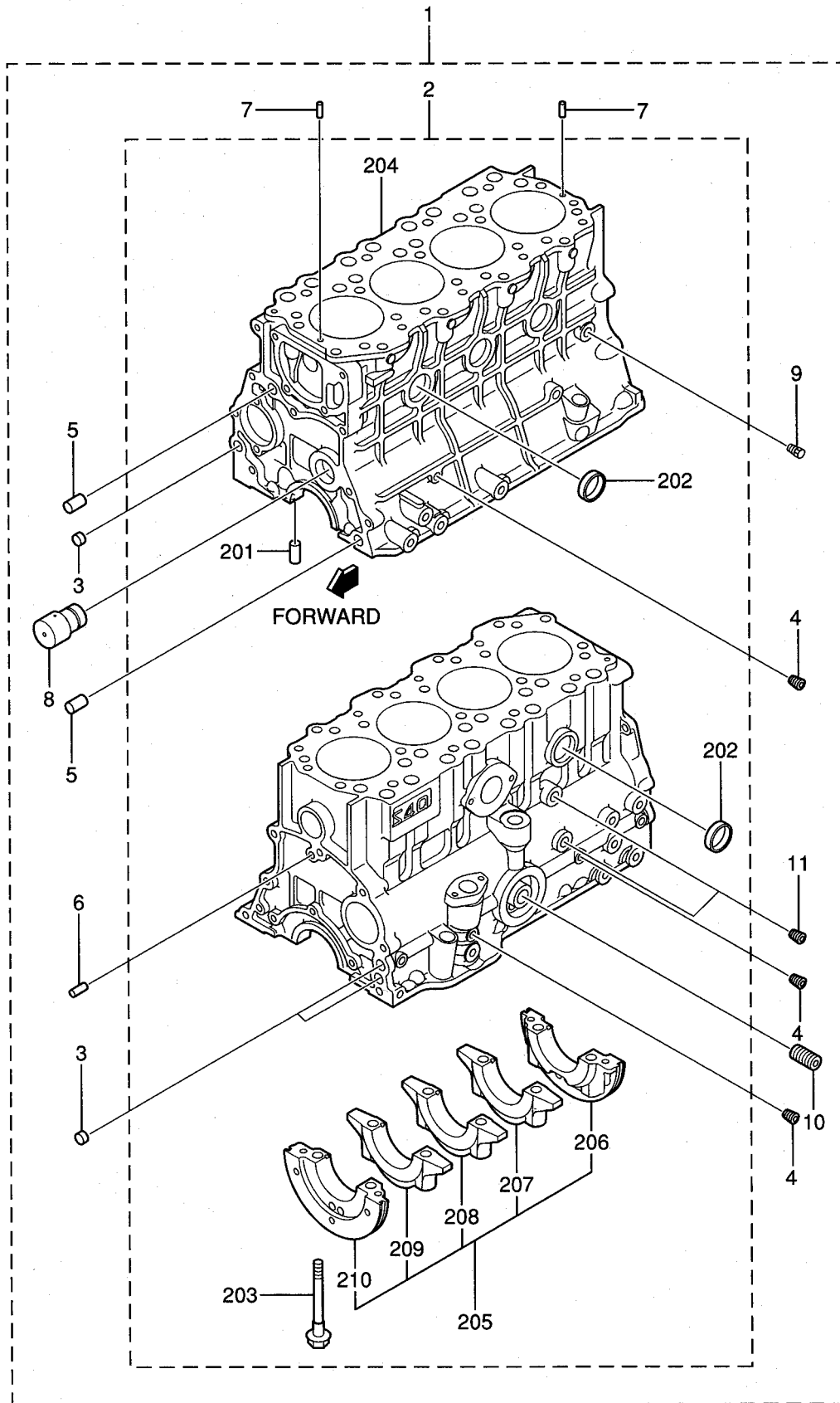
REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO. FROM @ -- @ UPTO @	MV /R ORD
				1	2	3	4		
1	32C04-00100		VALVE, INLET	4	4	4	4		
2	32C04-01100		VALVE, EXHAUST	4	4	4	4		
3	30604-21402		SPRING, VALVE	8	8	8	8		A
4	30604-31601		RETAINER, UPPER	8	8	8	8		A
5	34404-02901		COTTER, VALVE	16	16	16	16		A
6	31304-11700		CAP	8	8	8	8		
7	32C04-06500		SEAL, VALVE STEM	8	8	8	8		
8	32C04-00022		ROCKER & SHAFT ASSY	1	1	1	1		
801	32C04-01010		SHAFT ASSY, ROCKER	1	1	1	1		
802	*		SHAFT, ROCKER	1	1	1	1		
803	32A04-04200		PLUG, ROCKER SHAFT	2	2	2	2		A
804	32C04-02010		ROCKER ASSY	8	8	8	8		
805	*		ROCKER & BUSHING	8	8	8	8		
806	32A04-02400		SCREW, ROCKER	8	8	8	8		A
807	F2325-08000		NUT, JAM	8	8	8	8		A
808	32C04-14602		BRACKET, ROCKER	4	4	4	4		
809	32C04-06100		BOLT, ROCKER BRACKET	4	4	4	4		A
810	32C04-04500		SPRING, ROCKER	3	3	3	3		A
811	32A04-04300		RING, SNAP	2	2	2	2		A
9	F1805-08025		BOLT, W/WASHER B/W	4	4	4	4		A

04-02 ROCKER COVER & BREATHER

- 8-







- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

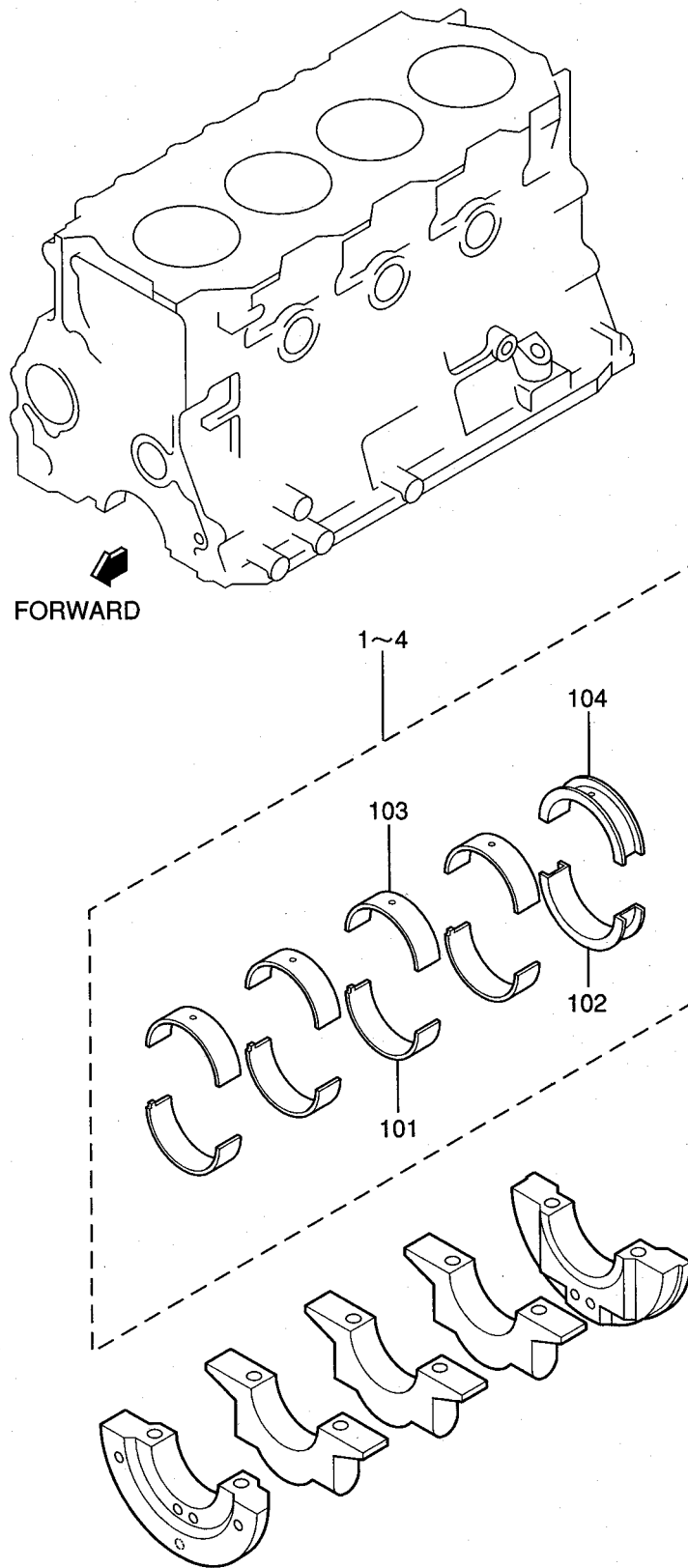
07-01 CRANKCASE ASSY

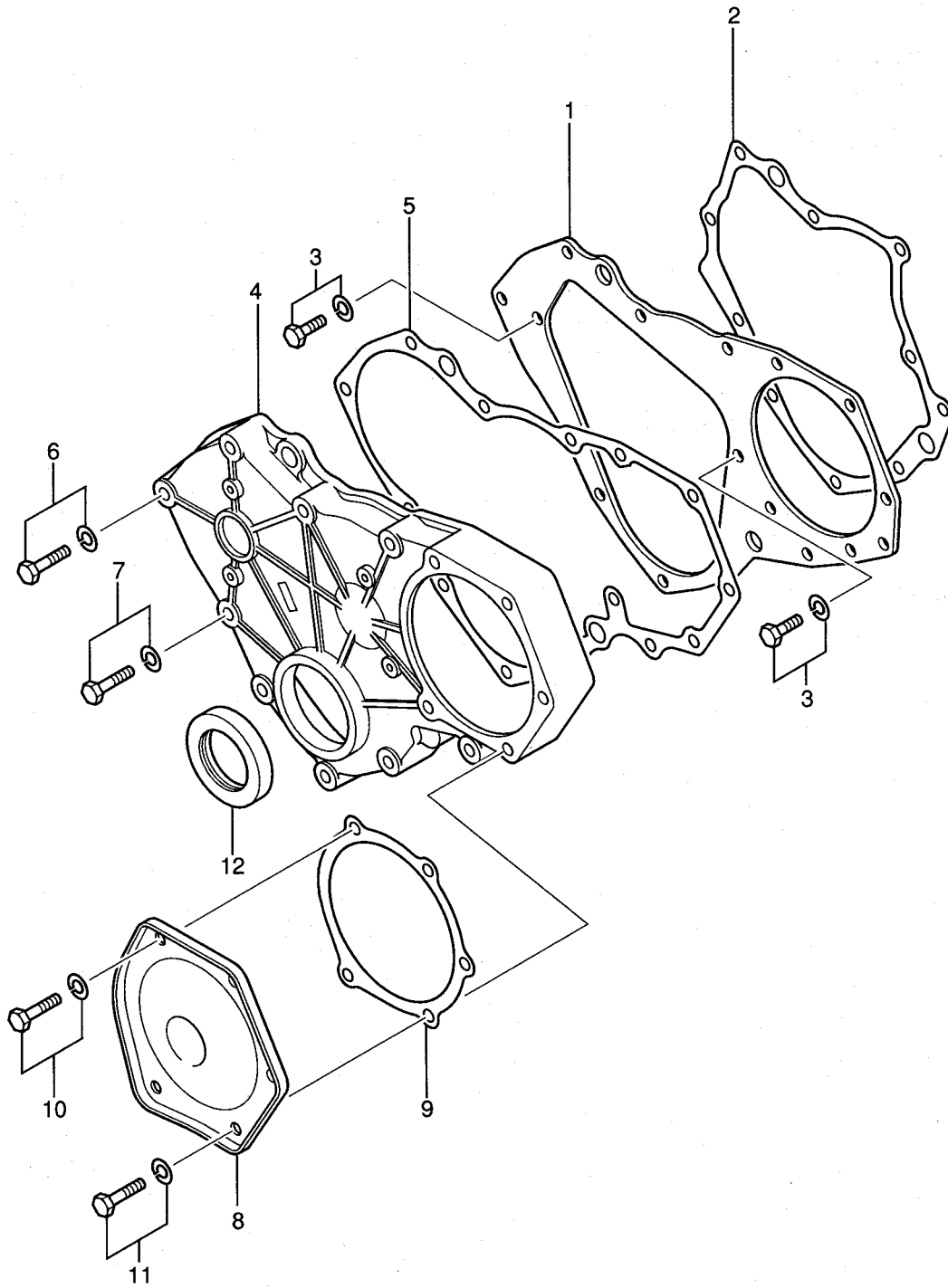
REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY				APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R ORD
				1	2	3	4		
1	32C07-11014		CRANKCASE ASSY	1	1	1	1		
2	*		CRANKCASE SUB ASSY	1	1	1	1		
201	F2846-08000		PIN,DOWEL	4	4	4	4		A
202	04826-23500		CAP,SEALING	6	6	6	6		
203	30607-52400		BOLT,METAL CAP	10	10	10	10		
204	*		CRANKCASE	1	1	1	1		
205	*		CAP SET,METAL	1	1	1	1		
206	*		CAP,METAL NO.1	1	1	1	1		
207	*		CAP,METAL NO.2	1	1	1	1		
208	*		CAP,METAL NO.3	1	1	1	1		
209	*		CAP,METAL NO.4	1	1	1	1		
210	*		CAP,METAL NO.5	1	1	1	1		
3	04826-21600		CAP,SEALING	3	3	3	3		
4	MS661140		PLUG,TAPER	5	5	5	5		A
5	32A07-01501		PIN,DOWEL	2	2	2	2		A
6	F2846-08000		PIN,DOWEL	2	2	2	2		A
7	F2846-05000		PIN,DOWEL	2	2	2	2		A
8	32C23-03600		SHAFT,IDLER	1	1	1	1		A
9	MD000269		PLUG,TAPER	1	1	1	1		A
10	30L07-00700		SHAFT,OIL FILTER	1	1	1	1		
11	MS661142		PLUG,TAPER	2	2	2	2		A

07-02

MAIN METAL

- 14-





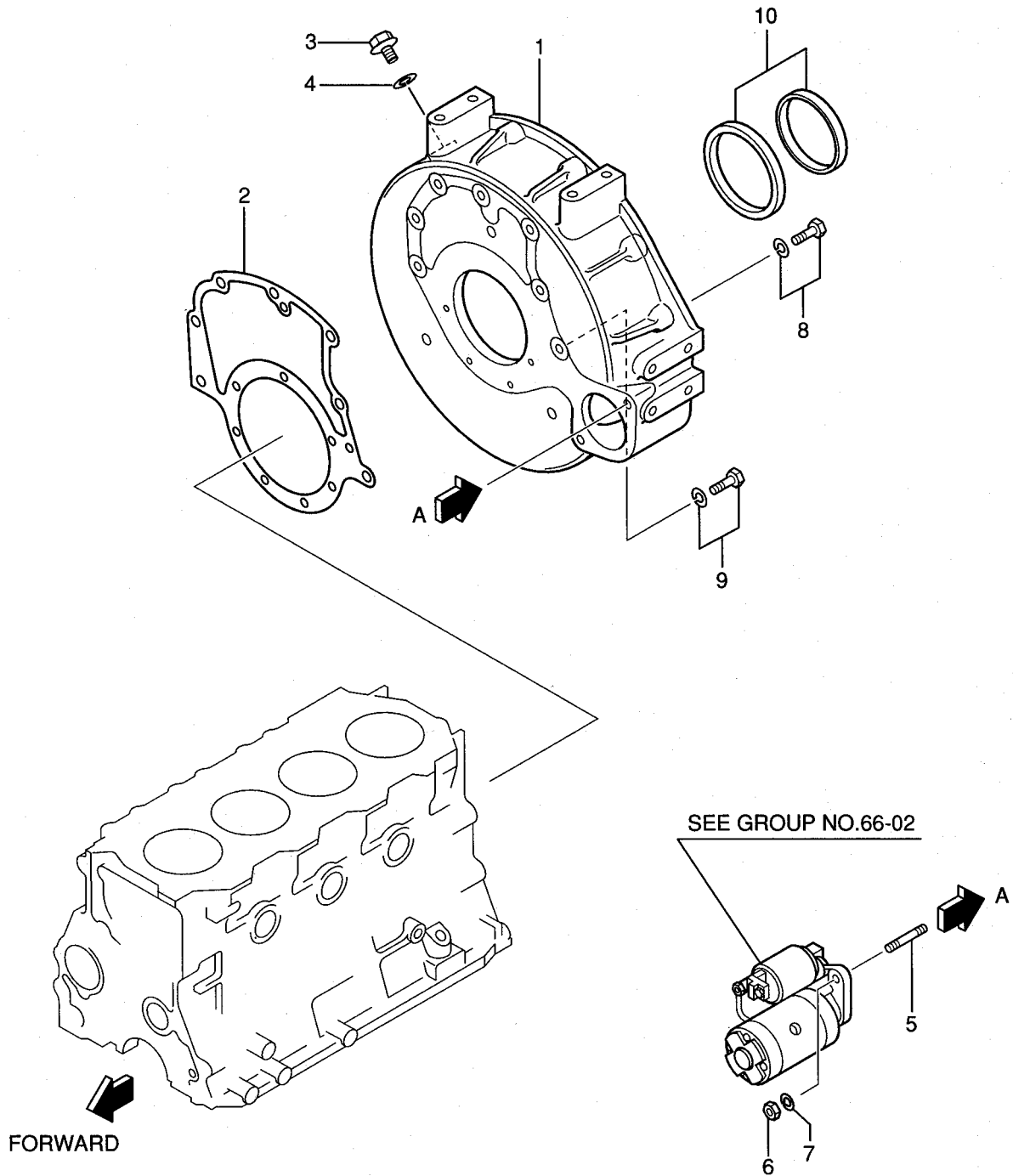
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

11

TIMING GEAR CASE

- 17-

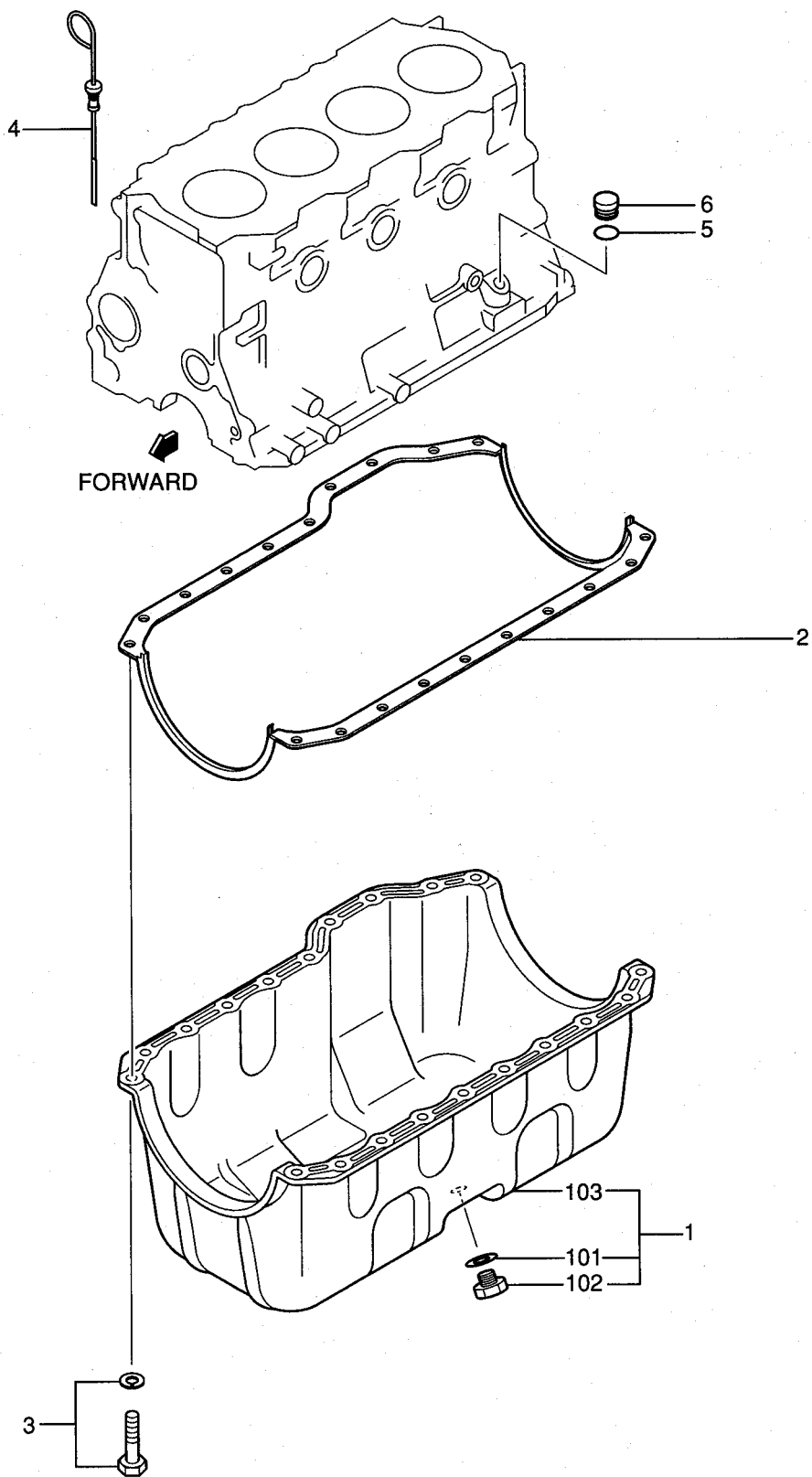
REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M/V /R ORD
				1	2	3	4		
1	32C11-02100		PLATE, FRONT	1	1	1	1		
2	32C11-03100		GASKET, FRONT PLATE	1	1	1	1		
3	F1805-08016		BOLT, W/WASHER B/W	2	2	2	2		A
4	32C11-00201		CASE, TIMING GEAR	1	1	1	1		
5	32C11-01100		GASKET, GEAR CASE	1	1	1	1		
6	F1805-08040		BOLT, W/WASHER B/W	1	1	1	1		A
7	F1805-08050		BOLT, W/WASHER B/W	8	8	8	8		A
8	30611-23102		COVER, GEAR CASE	1	1	1	1		
9	32C11-04100		GASKET, COVER	1	1	1	1		
10	F1805-08060		BOLT, W/WASHER B/W	4	4	4	4		A
11	F1805-08055		BOLT, W/WASHER B/W	1	1	1	1		A
12	30611-31700		SEAL, OIL	1	1	1	1		A



13

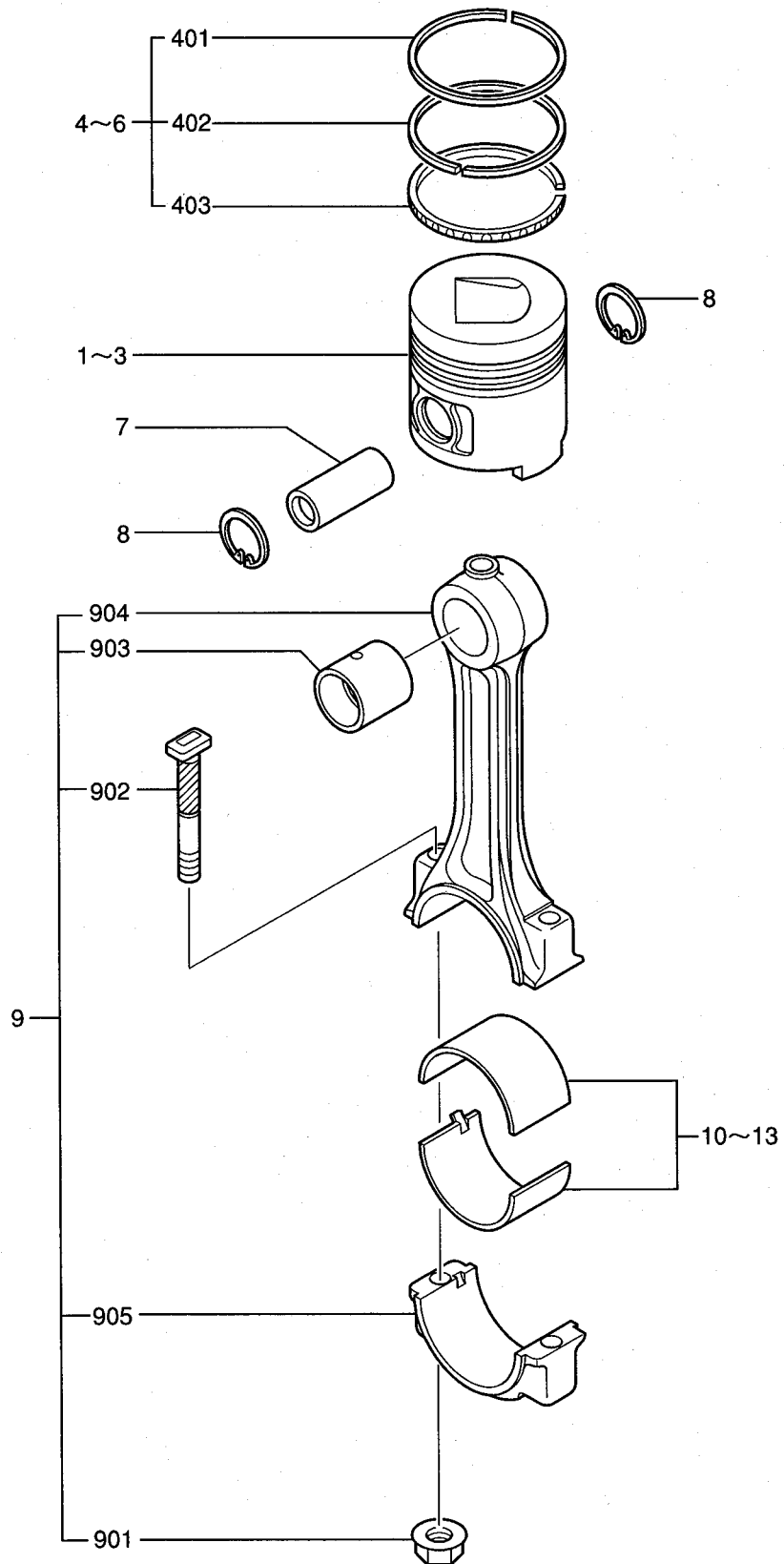
OIL PAN

- 20-



17-01 PISTON & CONNECTING ROD
(FOR 1, 2)

- 22-



- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

17-01 PISTON & CONNECTING ROD
(FOR 1, 2)

REF. NO.	PART NO.	RSC / EN PGG	PART NAME & DESCRIPTION	MODEL & QTY					APPLICABLE SERIAL NO.	M/V / R D
				1	2	3	4			
1	32C17-00102		PISTON STD	4	4	.	.			
2	32C17-00202		PISTON O.S 0.25	4	4	.	.			A
3	32C17-00302		PISTON O.S 0.50	4	4	.	.			A
4	30617-70011		RING SET, PISTON STD	4	4	.	.			A
401	*		RING, NO.1	16	16	.	.			
402	*		RING, NO.2	16	16	.	.			
403	*		RING ASSY, OIL	16	16	.	.			
5	30617-71011		RING SET, PISTON O.S 0.25	4	4	.	.			A
6	30617-72011		RING SET, PISTON O.S 0.50	4	4	.	.			A
7	32C17-04100		PIN, PISTON	4	4	.	.			A
8	F3202-02800		RING, SNAP	8	8	.	.			A
9	32C19-00022		ROD ASSY, CONNECTING	4	4	.	.			
901	30619-10501		NUT, CONNECTING ROD	8	8	.	.			A
902	32A19-00400		BOLT, CONNECTING ROD	8	8	.	.			A
903	32C19-01100		BUSHING, CON-ROD	4	4	.	.			
904	*		CONNECTING ROD	4	4	.	.			
905	*		CAP, CONNECTING ROD	4	4	.	.			
10	32A19-09010		METAL SET, CON-ROD STD	1	1	.	.			
11	32A19-09020		METAL SET, CON-ROD U.S 0.25	1	1	.	.			
12	32A19-09030		METAL SET, CON-ROD U.S 0.50	1	1	.	.			
13	32A19-09040		METAL SET, CON-ROD U.S 0.75	1	1	.	.			

- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

17-02

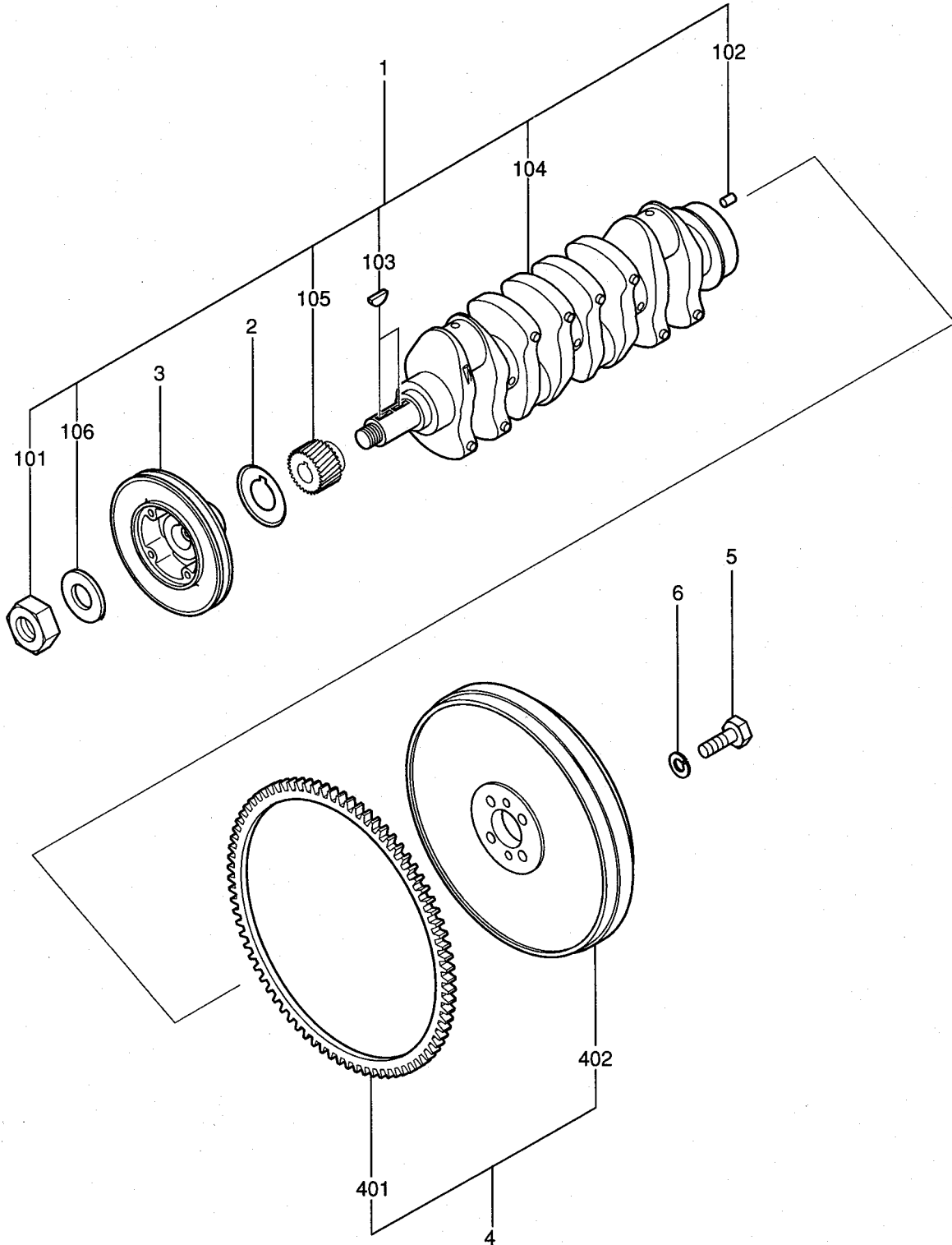
PISTON & CONNECTING ROD
(FOR 3, 4)

REF. NO.	PART NO.	RSC / EN PQQ	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	MV / R / D
				1	2	3	4		
1	32C17-05100		PISTON STD	.	.	4	4		
2	32C17-05200		PISTON O.S 0.25	.	.	4	4		A
3	32C17-05300		PISTON O.S 0.50	.	.	4	4		A
4	30617-70011		RING SET,PISTON STD	.	.	4	4		A
401	*		RING,NO.1	.	.	16	16		
402	*		RING,NO.2	.	.	16	16		
403	*		RING ASSY,OIL	.	.	16	16		
5	30617-71011		RING SET,PISTON O.S 0.25	.	.	4	4		A
6	30617-72011		RING SET,PISTON O.S 0.50	.	.	4	4		A
7	32C17-04100		PIN,PISTON	.	.	4	4		A
8	F3202-02800		RING,SNAP	.	.	8	8		A
9	32C19-00012		ROD ASSY,CONNECTING	.	.	4	4		
901	30619-10501		NUT,CONNECTING ROD	.	.	8	8		A
902	32A19-00400		BOLT,CONNECTING ROD	.	.	8	8		A
903	*		CONNECTING ROD	.	.	4	4		
904	*		CAP,CONNECTING ROD	.	.	4	4		
905	32C19-01100		BUSHING,CON-ROD	.	.	4	4		
10	32A19-09010		METAL SET,CON-ROD STD	.	.	1	1		
11	32A19-09020		METAL SET,CON-ROD U.S 0.25	.	.	1	1		
12	32A19-09030		METAL SET,CON-ROD U.S 0.50	.	.	1	1		
13	32A19-09040		METAL SET,CON-ROD U.S 0.75	.	.	1	1		

20-01

CRANKSHAFT & FLYWHEEL
(FOR 1, 2)

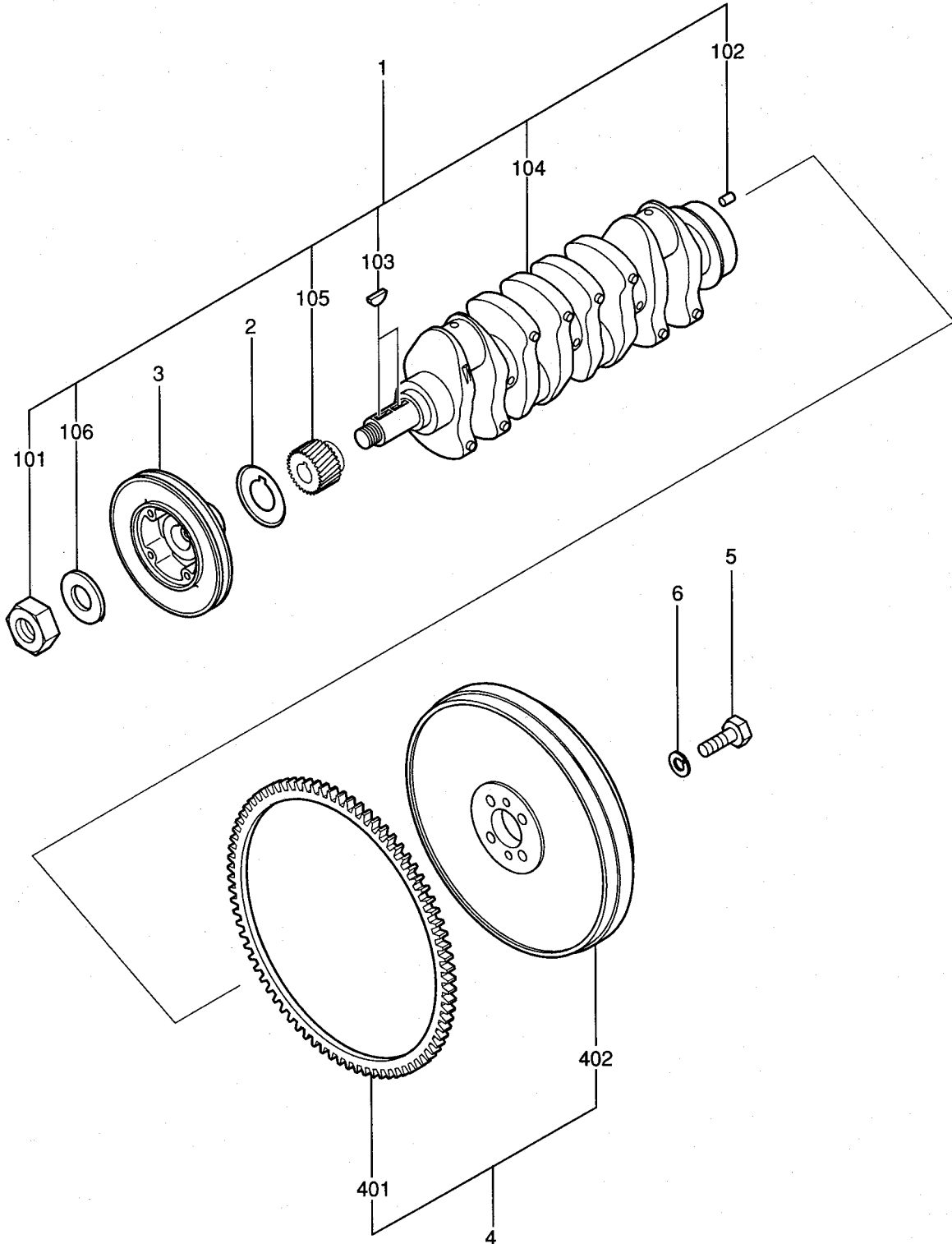
- 26-

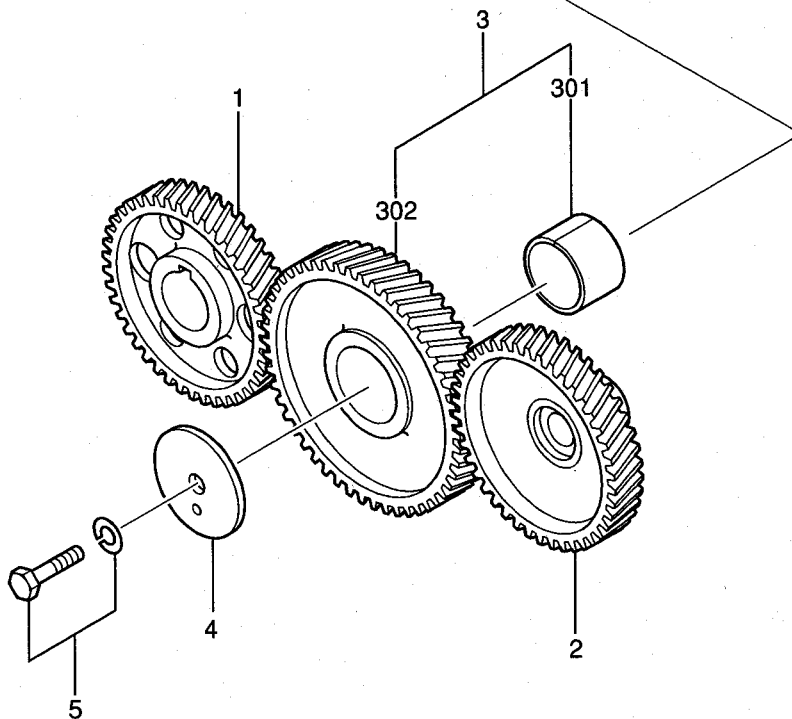
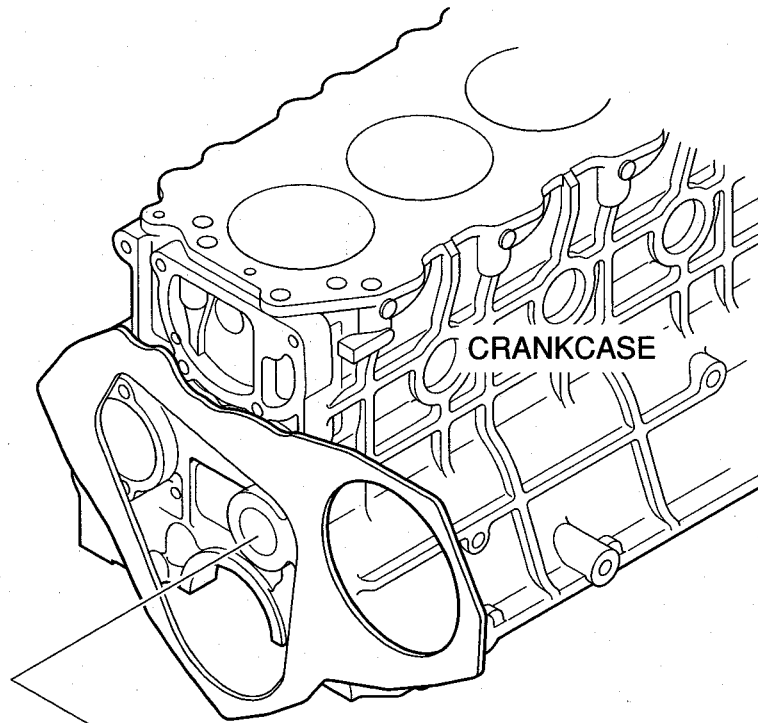


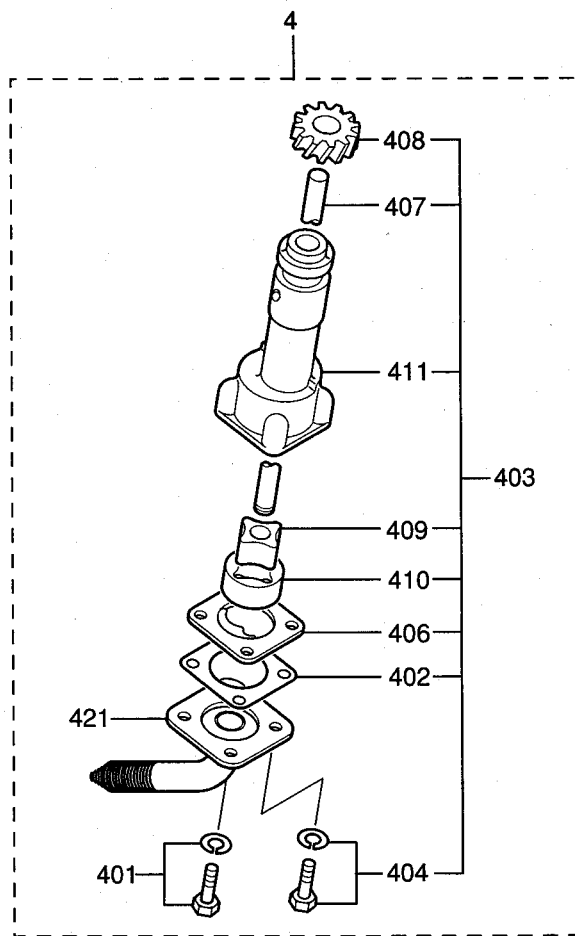
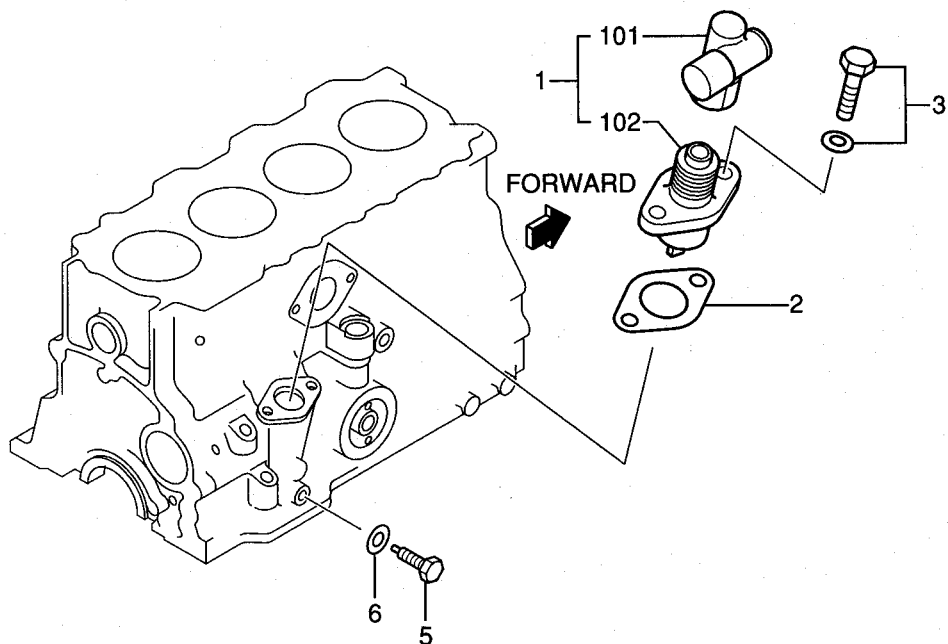
20-02

CRANKSHAFT & FLYWHEEL
(FOR 3, 4)

- 28-



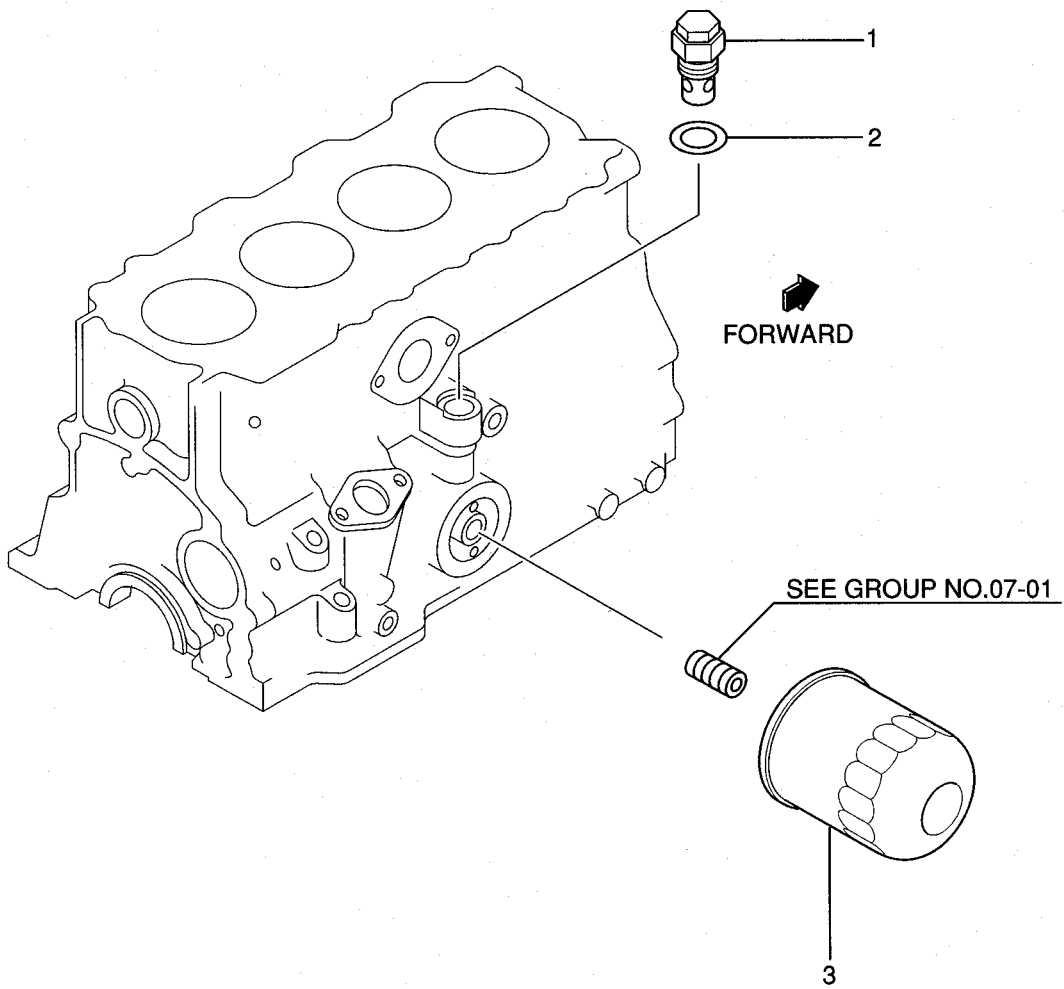




- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

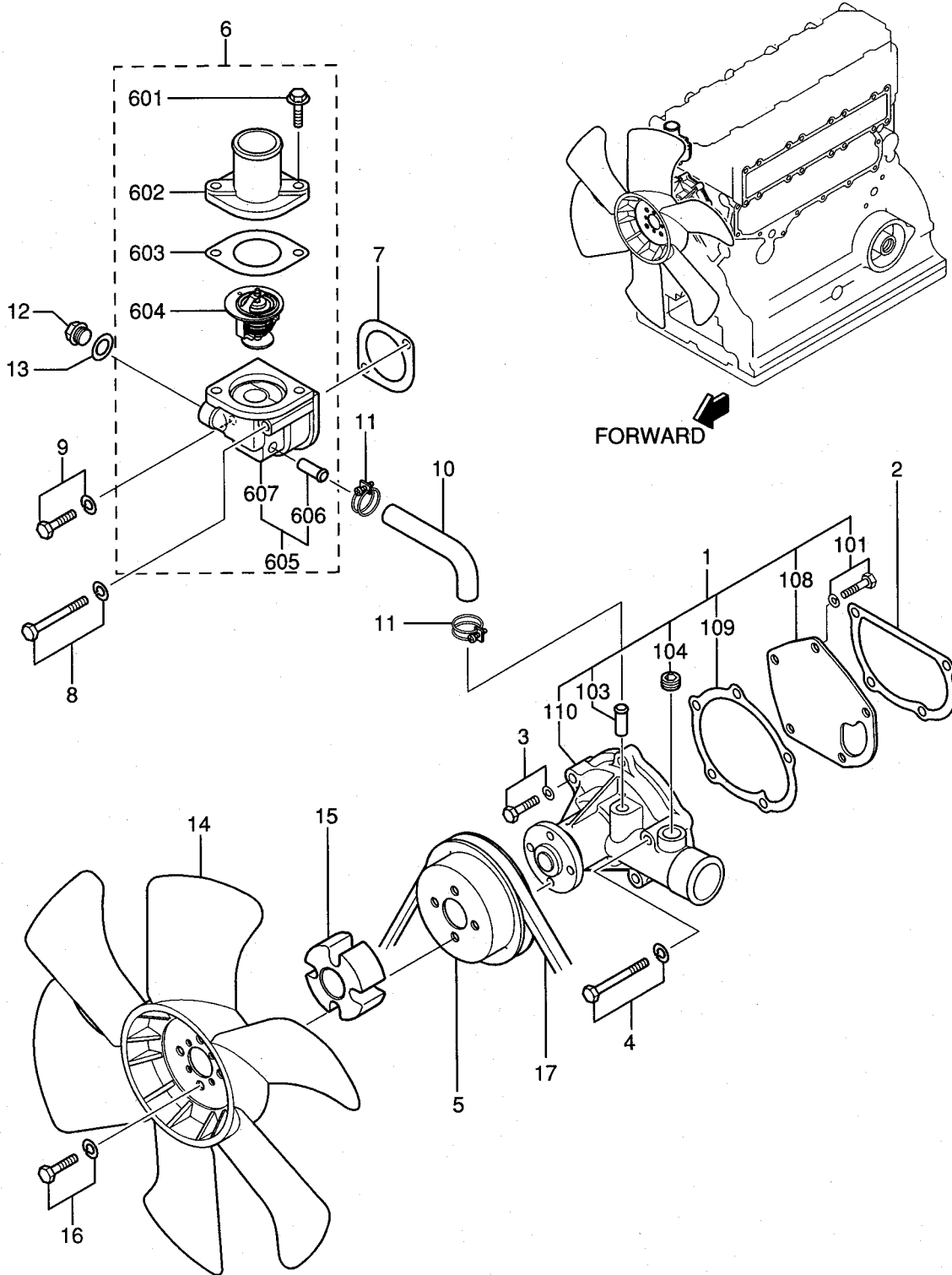
OIL PUMP & OIL STRAINER

REF. -NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY					APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R D
				1	2	3	4			
1	30625-35020		JOINT ASSY	1	1	1	1			
101	30625-35201		JOINT	1	1	1	1			
102	30625-35100		FLANGE ASSY	1	1	1	1			
2	30625-50502		GASKET,TACHO DRIVE	1	1	1	1			A
3	F1805-08020		BOLT,W/WASHER B/W	2	2	2	2			A
4	32C35-30010		PUMP & STRAINER ASSY	1	1	1	1			
401	F1805-06020		BOLT,W/WASHER B/W	2	2	2	2			A
402	30436-22401		GASKET,STRAINER	1	1	1	1			A
403	32C35-01021		PUMP ASSY,OIL	1	1	1	1			
404	F1805-06020		BOLT,W/WASHER B/W	2	2	2	2			A
406	30435-33201		COVER	1	1	1	1			
407	*		SHAFT	1	1	1	1			
408	*		GEAR,DRIVE	1	1	1	1			
409	*		ROTOR,INNER	1	1	1	1			
410	*		ROTOR,OUTER	1	1	1	1			
411	*		CASE,OIL PUMP	1	1	1	1			
421	32C36-20200		STRAINER,OIL	1	1	1	1			A
5	34435-02200		BOLT,OIL PUMP SET	1	1	1	1			
6	32C35-00900		GASKET	1	1	1	1			A



46-01 COOLING SYSTEM
(FOR 1, 3)

- 38-



- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

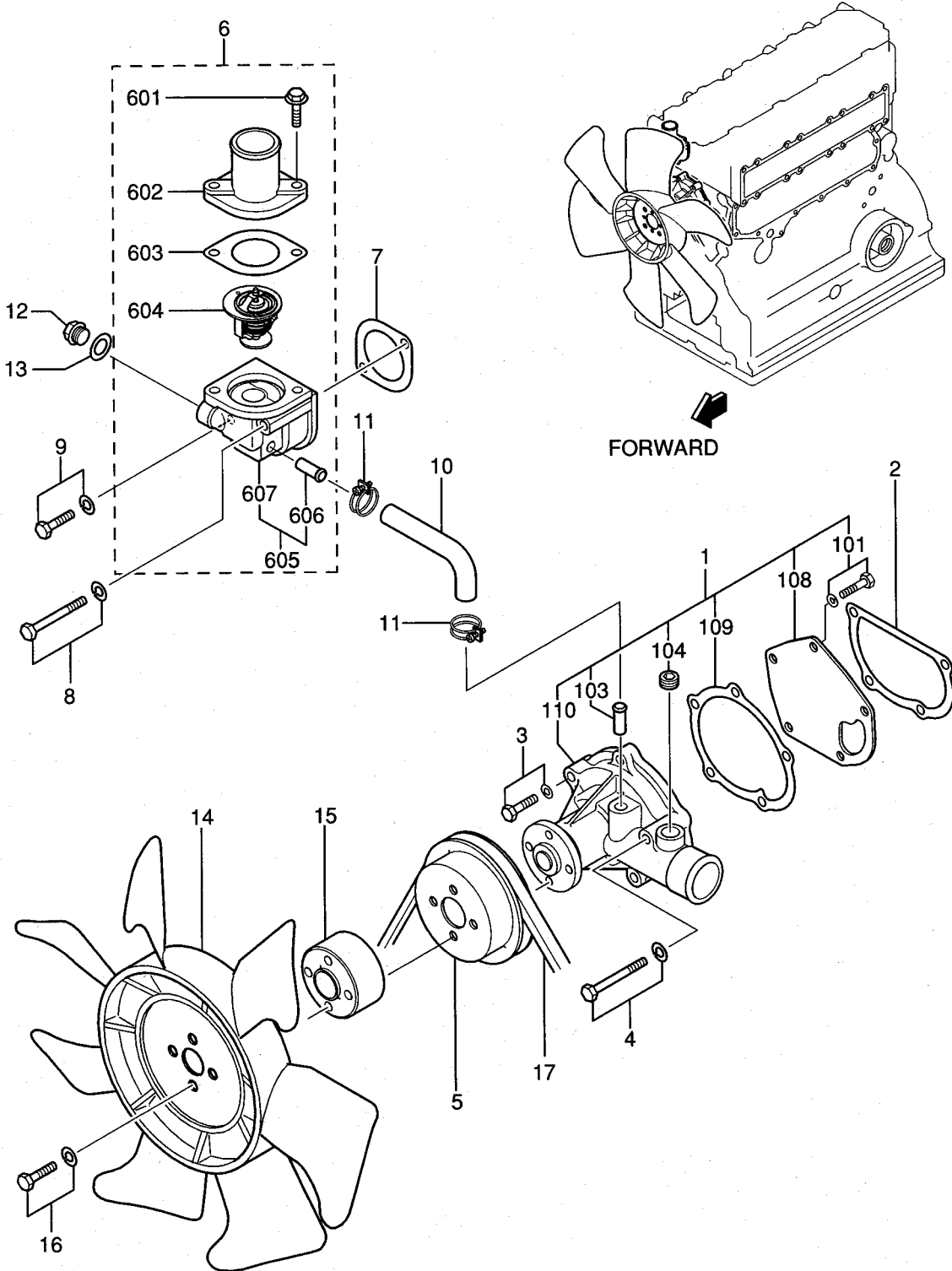
46-01 COOLING SYSTEM
(FOR 1, 3)

REF. NO.	PART NO.	RSC / EN PQQ	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M V / R D
				1	2	3	4		
1	32C45-00023		PUMP ASSY, WATER	1	.	1	.		
101	F1805-08020		BOLT, W/WASHER B/W	1	.	1	.		A
103	*		PIPE, WATER PUMP	1	.	1	.		
104	*		PLUG, TAPER	1	.	1	.		
108	32C45-00300		COVER, WATER PUMP	1	.	1	.		
109	32C45-00400		GASKET, WATER PUMP	1	.	1	.		
110	*		CASE, WATER PUMP	1	.	1	.		
2	32C45-00500		GASKET	1	.	1	.		A
3	F1805-08040		BOLT, W/WASHER B/W	3	.	3	.		A
4	F1805-08060		BOLT, W/WASHER B/W	1	.	1	.		A
5	32A45-02100		PULLEY, WATER PUMP	1	.	1	.		
6	32A46-20040		THERMOSTAT ASSY	1	.	1	.		
601	MF140227		BOLT, FLANGE	2	.	2	.		
602	32A46-01101		COVER, THERMOSTAT	1	.	1	.		
603	32A46-01400		GASKET, THERMOSTAT	1	.	1	.		
604	32A46-02100		THERMOSTAT	1	.	1	.		
605	32A46-10030		CASE ASSY, THERMOSTAT	1	.	1	.		
606	*		PIPE, THERMOSTAT	1	.	1	.		
607	*		CASE, THERMOSTAT	1	.	1	.		
7	34446-05300		GASKET	1	.	1	.		A
8	F1805-08075		BOLT, W/WASHER B/W	1	.	1	.		A
9	F1805-08045		BOLT, W/WASHER B/W	1	.	1	.		A
10	32C46-01500		HOSE, BY-PASS	1	.	1	.		
11	32A46-03100		CLAMP, HOSE	2	.	2	.		
12	MM316248		PLUG, DRAIN	1	.	1	.		A
13	30636-25901		GASKET	1	.	1	.		A
14	32C48-00400		FAN, COOLING	1	.	1	.		
15	32C48-01101		SPACER, FAN	1	.	1	.		
16	F1805-08035		BOLT, W/WASHER B/W	4	.	4	.		A
17	05910-10039		V-BELT W=13.3 L=1005	1	.	1	.		

46-02

COOLING SYSTEM
(FOR 2, 4)

- 40-



- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

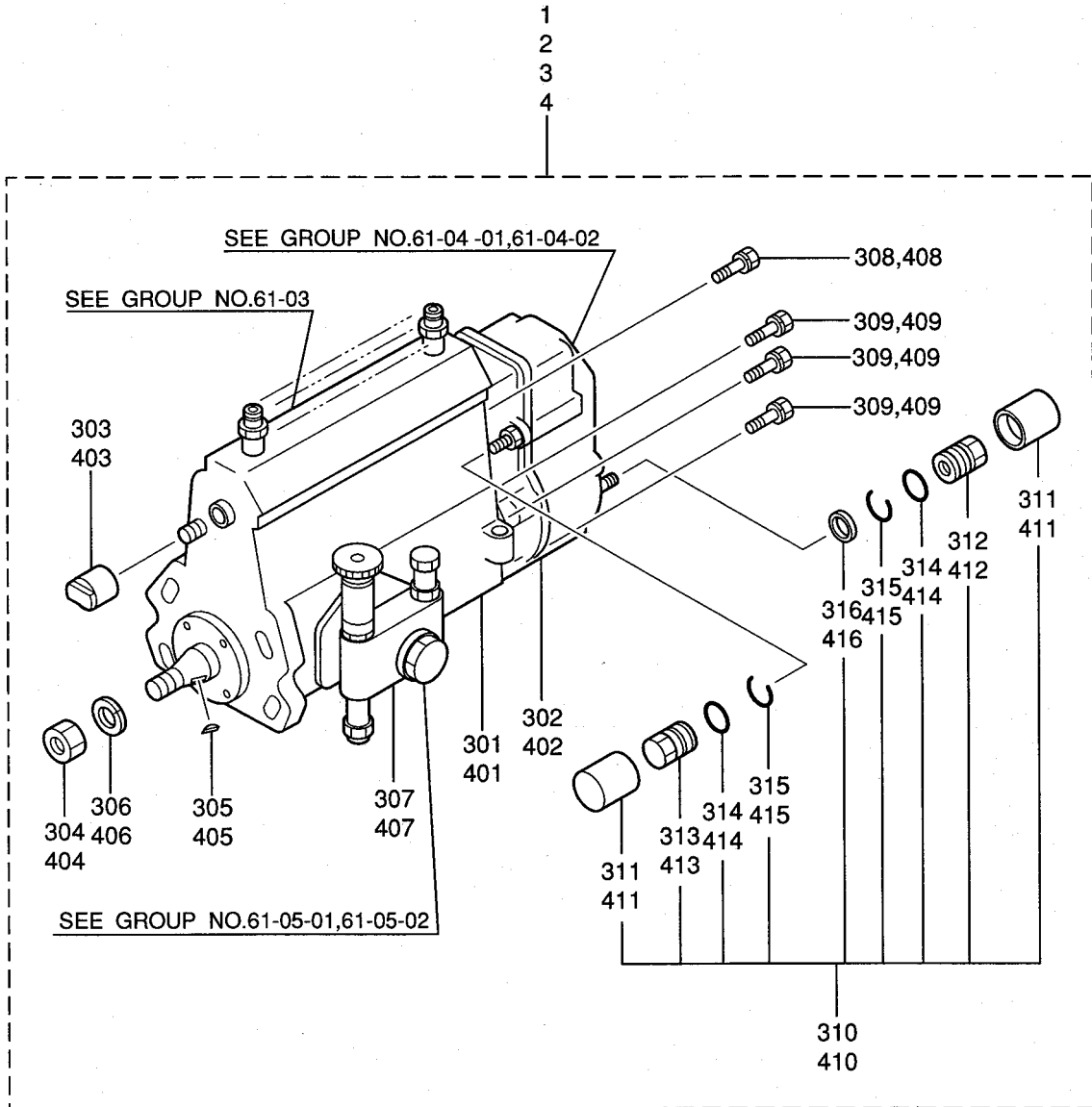
46-02 COOLING SYSTEM
(FOR 2, 4)

- 41-

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY					APPLICABLE SERIAL NO.	MV /R ORD
				1	2	3	4			
1	32C45-00023		PUMP ASSY, WATER	.	1	.	1			
101	F1805-08020		BOLT, W/WASHER B/W	.	1	.	1			A
103	*		PIPE, WATER PUMP	.	1	.	1			
104	*		PLUG, TAPER	.	1	.	1			
108	32C45-00300		COVER, WATER PUMP	.	1	.	1			
109	32C45-00400		GASKET, WATER PUMP	.	1	.	1			
110	*		CASE, WATER PUMP	.	1	.	1			
2	32C45-00500		GASKET	.	1	.	1			A
3	F1805-08040		BOLT, W/WASHER B/W	.	3	.	3			A
4	F1805-08060		BOLT, W/WASHER B/W	.	1	.	1			A
5	32A45-02100		PULLEY, WATER PUMP	.	1	.	1			
6	32A46-20040		THERMOSTAT ASSY	.	1	.	1			
601	MF140227		BOLT, FLANGE	.	2	.	2			
602	32A46-01101		COVER, THERMOSTAT	.	1	.	1			
603	32A46-01400		GASKET, THERMOSTAT	.	1	.	1			
604	32A46-02100		THERMOSTAT	.	1	.	1			
605	32A46-10030		CASE ASSY, THERMOSTAT	.	1	.	1			
606	*		PIPE, THERMOSTAT	.	1	.	1			
607	*		CASE, THERMOSTAT	.	1	.	1			
7	34446-05300		GASKET	.	1	.	1			A
8	F1805-08075		BOLT, W/WASHER B/W	.	1	.	1			A
9	F1805-08045		BOLT, W/WASHER B/W	.	1	.	1			A
10	32C46-01500		HOSE, BY-PASS	.	1	.	1			
11	32A46-03100		CLAMP, HOSE	.	2	.	2			
12	MM316248		PLUG, DRAIN	.	1	.	1			A
13	30636-25901		GASKET	.	1	.	1			A
14	30448-50200		FAN, COOLING	.	1	.	1			
15	36748-01100		SPACER, FAN	.	1	.	1			
16	F1805-08045		BOLT, W/WASHER B/W	.	4	.	4			A
17	05910-10039		V-BELT W=13.3 L=1005	.	1	.	1			

61-01-01 FUEL INJECTION PUMP GENERAL

- 42-



- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

61-01-01 FUEL INJECTION PUMP GENERAL

REF. NO.	PART NO.	RSC / EN PGG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M V / R
				1	2	3	4		
								FROM @ -- @ UPTO @	
1	32C65-04060		PUMP ASSY, INJECTION	1	.	.	.		
2	32C65-04080		PUMP ASSY, INJECTION	.	1	.	.		
3	32C65-04070		PUMP ASSY, INJECTION 092000-4520 DEN	.	.	1	.		
301	*		BODY ASSY, INJ PUMP 190100-0480 DEN	.	.	1	.		
302	*		GOVERNOR ASSY 190800-6700 DEN	.	.	1	.		
303	09001-80081		COVER, CONTROL RACK	.	.	1	.		
304	94905-02450		NUT, HEXAGON	.	.	1	.		
305	94913-00190		KEY, WOODRUFF	.	.	1	.		
306	94901-50500		WASHER, SPRING	.	.	1	.		A
307	34461-09050		PUMP ASSY, FEED 092100-1551 DEN	.	.	1	.		
308	91518-08221		BOLT, W/WASHER B/W	.	.	1	.		A
309	91418-06161		BOLT, W/WASHER B/W	.	.	6	.		A
310	32B65-09510		OVER-HAUL KIT, GOV 190890-1090 DEN	.	.	1	.		
311	09103-10260		NUT, CAP	.	.	2	.		
312	09103-10270		NUT, CAP	.	.	1	.		
313	09103-10280		NUT, CAP	.	.	1	.		
314	94914-02141		O-RING	.	.	2	.		A
315	94907-21500		RING, SNAP	.	.	2	.		A
316	94901-81020		WASHER, COPPER PLATE	.	.	1	.		
4	32C65-04090		PUMP ASSY, INJECTION 092000-4660 DEN	.	.	.	1		
401	*		BODY ASSY, INJ PUMP 190100-0480 DEN	.	.	.	1		
402	*		GOVERNOR ASSY 190800-6750 DEN	.	.	.	1		
403	09001-80241		COVER, CONTROL RACK	.	.	.	1		
404	94905-02450		NUT, HEXAGON	.	.	.	1		
405	94913-00190		KEY, WOODRUFF	.	.	.	1		
406	94901-50500		WASHER, SPRING	.	.	.	1		A
407	34461-09060		PUMP ASSY, FEED 092100-1291 DEN	.	.	.	1		
408	91518-08221		BOLT, W/WASHER B/W	.	.	.	1		A
409	91418-06161		BOLT, W/WASHER B/W	.	.	.	6		A
410	32B65-09510		OVER-HAUL KIT, GOV 190890-1090 DEN	.	.	.	1		
411	09103-10260		NUT, CAP	.	.	.	2		
412	09103-10270		NUT, CAP	.	.	.	1		
413	09103-10280		NUT, CAP	.	.	.	1		
414	94914-02141		O-RING	.	.	.	2		A
415	94907-21500		RING, SNAP	.	.	.	2		A
416	94901-81020		WASHER, COPPER PLATE	.	.	.	1		

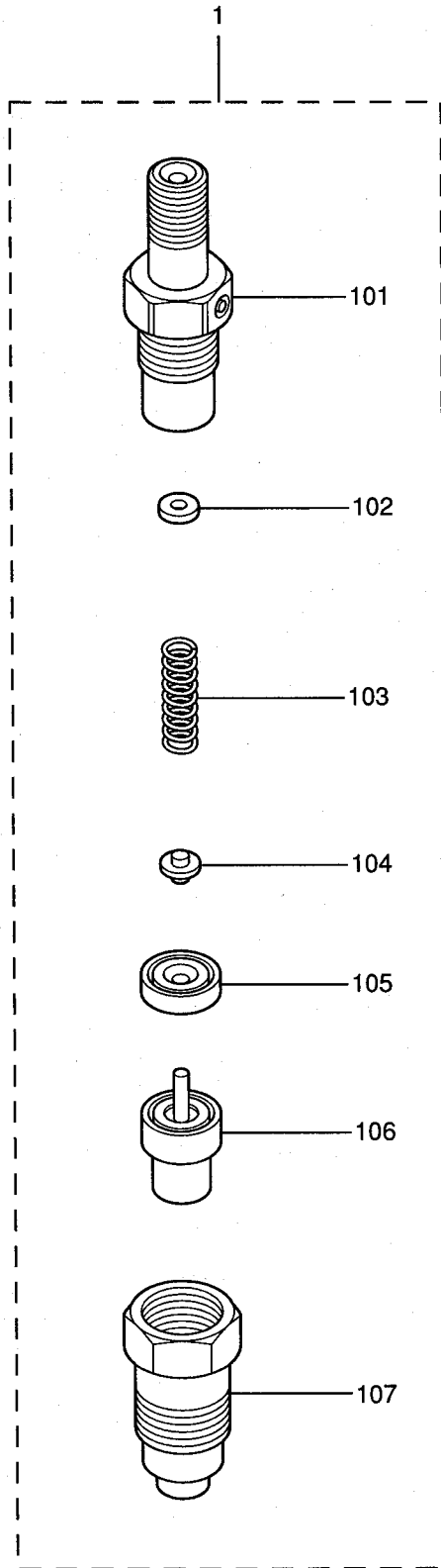
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

61-01-02 FUEL SYSTEM

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY					APPLICABLE SERIAL NO.	M/V /R
				1	2	3	4			
1	MD068353		NUT	4	4	4	4			A
2	MD068355		GASKET, FUEL RETURN	4	4	4	4			A
3	MD070717		GASKET, HOLDER	4	4	4	4			A
4	32C61-01101		PIPE, INJECTION NO.1	.	1	.	1			
5	32C61-01201		PIPE, INJECTION NO.2	.	1	.	1			
6	32C61-01301		PIPE, INJECTION NO.3	.	1	.	1			
7	32C61-01401		PIPE, INJECTION NO.4	.	1	.	1			
8	MM430703		CLAMP (A)	3	3	3	3			
9	MM430614		CLAMP (B)	3	3	3	3			
10	F1825-06025		BOLT, W/WASHER B/W	3	3	3	3			A
11	32C61-04100		PIPE, FUEL LEAK OFF	1	1	1	1			
12	32C61-13300		PIPE, FUEL RETURN	1	1	1	1			
13	32C61-01501		PIPE, INJECTION NO.1	1	.	1	.			
14	32C61-01601		PIPE, INJECTION NO.2	1	.	1	.			
15	32C61-01701		PIPE, INJECTION NO.3	1	.	1	.			
16	32C61-01801		PIPE, INJECTION NO.4	1	.	1	.			
17	32C61-05202		FLANGE, INJ PUMP	1	1	1	1			
18	31361-01300		O-RING	1	1	1	1			A
19	30661-51300		GASKET	1	1	1	1			A
20	F2015-10035		BOLT, W/WASHER B/W	4	4	4	4			A
21	32C61-08100		BRACKET, PUMP	1	.	1	.			
22	F2300-08000		NUT, LOCK	1	.	1	.			A
23	F2515-08000		WASHER, SPRING	1	.	1	.			A
24	F1805-10020		BOLT, W/WASHER B/W	1	.	1	.			A
25	F1805-08022		BOLT, W/WASHER B/W	1	1	1	1			A
26	00434-06010		CONNECTOR	1	1	1	1			
27	32C36-00100		PIPE, OIL	1	1	1	1			
28	30661-50802		JOINT, EYE	1	1	1	1			

61-02-01 NOZZLE
(FOR 1, 3)

- 46-



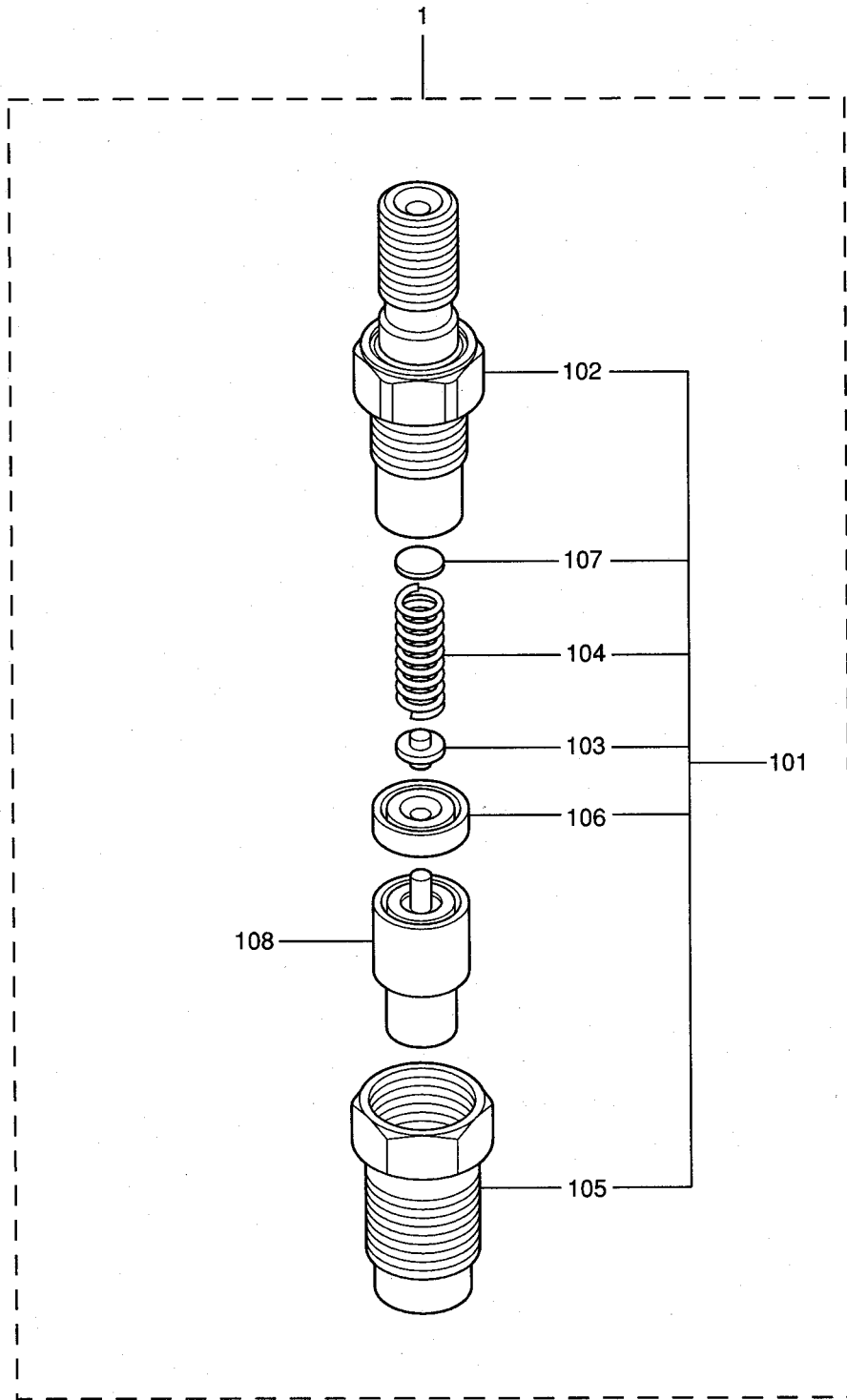
- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

61-02-01 NOZZLE
(FOR 1, 3)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY					APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R
				1	2	3	4			
1	MM435-94101		NOZZLE & HOLDER ASSY 093500-3840 DEN	4	.	4	.			
101	09311-03840		BODY SUB ASSY MM514048	4	.	4	.			
102	09317-51810		WASHER T=1.25 MD603490	AR	.	AR	.			
	09317-51830		WASHER T=1.30 MD603491	AR	.	AR	.			
	09317-51850		WASHER T=1.35 MD603492	AR	.	AR	.			
	09317-51870		WASHER T=1.40 MD603493	AR	.	AR	.			
	09317-51890		WASHER T=1.45 MD603494	AR	.	AR	.			
	09317-51910		WASHER T=1.50 MD603495	AR	.	AR	.			
	09317-51930		WASHER T=1.55 MD603496	AR	.	AR	.			
	09317-51950		WASHER T=1.60 MD603497	AR	.	AR	.			
	09317-51970		WASHER T=1.65 MD603498	AR	.	AR	.			
	09317-51990		WASHER T=1.70 MD603499	AR	.	AR	.			
103	09312-70310		SPRING,PRESSURE MM514047	4	.	4	.		A	
104	09312-10380		PIN,PRESSURE MM501838	4	.	4	.			
105	09317-40070		PIECE,DISTANCE MM501841	4	.	4	.			
106	09340-05060		NOZZLE ASSY MD603660	4	.	4	.			
107	09316-41351		NUT,NOZZLE RETAINING MM514380	4	.	4	.			

61-02-02 NOZZLE
(FOR 2, 4)

- 48-



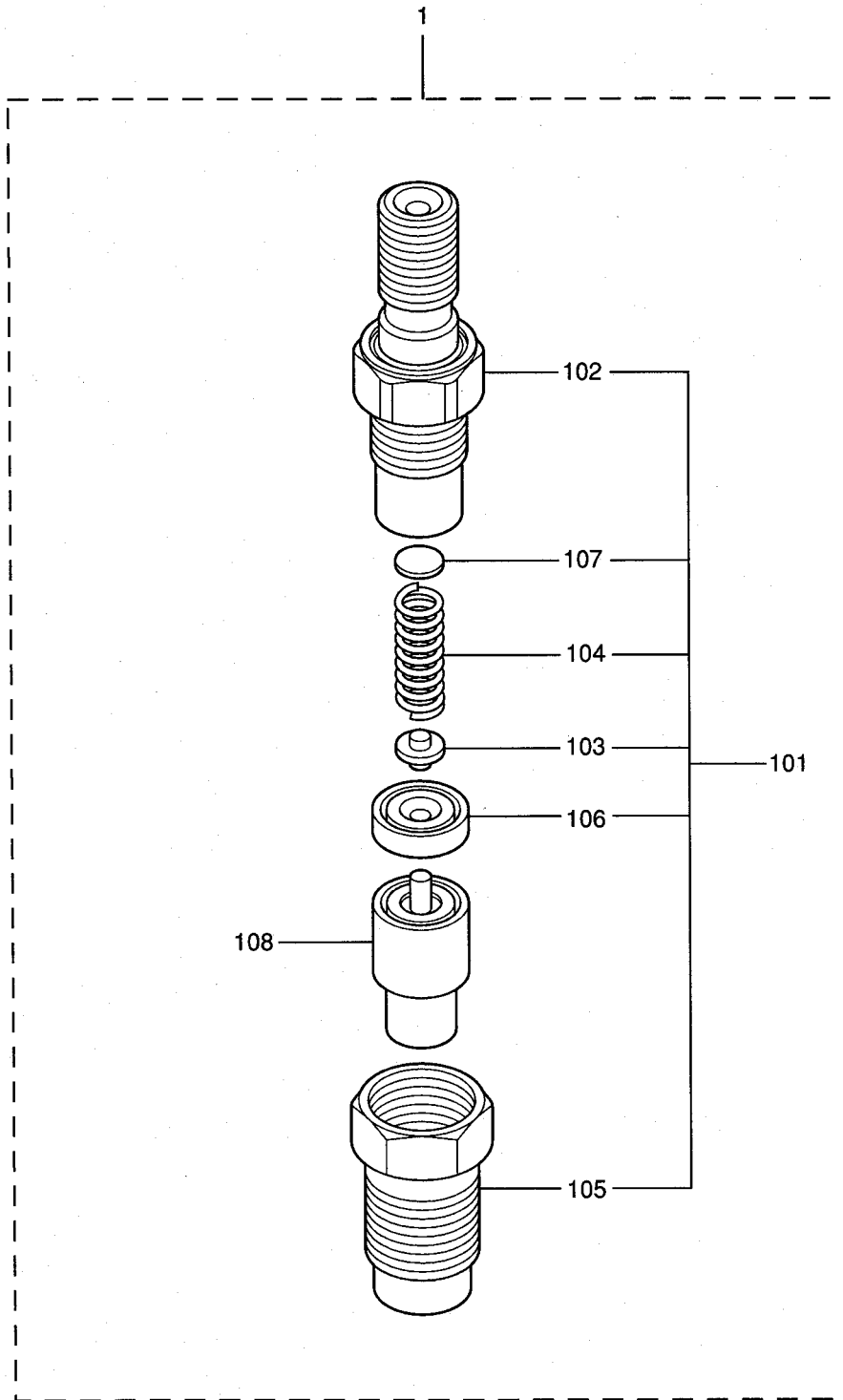
- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

61-02-02 NOZZLE
(FOR 2, 4)

REF. NO.	PART NO.	RSC / EN / PGG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M / R
				1	2	3	4		
1	32C61-06000		NOZZLE ASSY 093500-5480 DEN	.	4	.	4		
101	32C61-06010		HOLDER ASSY, NOZZLE 093100-5480 DEN	.	4	.	4		
102	09311-05480		BODY SUB ASSY	.	4	.	4		
103	09312-10380		PIN, PRESSURE	.	4	.	4		
104	09312-70360		SPRING, PRESSURE	.	4	.	4		A
105	09316-41351		NUT, NOZZLE RETAINING	.	4	.	4		
106	09317-40070		PIECE, DISTANCE	.	4	.	4		
107	09317-51670		WASHER T=0.900	.	AR	.	AR		A
	09317-51680		WASHER T=0.925	.	AR	.	AR		A
	09317-51690		WASHER T=0.950	.	AR	.	AR		A
	09317-51700		WASHER T=0.975	.	AR	.	AR		A
	09317-51710		WASHER T=1.000	.	AR	.	AR		A
	09317-51720		WASHER T=1.025	.	AR	.	AR		A
	09317-51730		WASHER T=1.050	.	AR	.	AR		A
	09317-51740		WASHER T=1.075	.	AR	.	AR		A
	09317-51750		WASHER T=1.100	.	AR	.	AR		A
	09317-51760		WASHER T=1.125	.	AR	.	AR		A
	09317-51770		WASHER T=1.150	.	AR	.	AR		A
	09317-51780		WASHER T=1.175	.	AR	.	AR		A
	09317-51790		WASHER T=1.200	.	AR	.	AR		A
	09317-51800		WASHER T=1.225	.	AR	.	AR		A
	09317-51810		WASHER T=1.250	.	AR	.	AR		A
	09317-51820		WASHER T=1.275	.	AR	.	AR		A
	09317-51830		WASHER T=1.300	.	AR	.	AR		A
	09317-51840		WASHER T=1.325	.	AR	.	AR		A
	09317-51850		WASHER T=1.350	.	AR	.	AR		A
	09317-51860		WASHER T=1.375	.	AR	.	AR		A
	09317-51870		WASHER T=1.400	.	AR	.	AR		A
	09317-51880		WASHER T=1.425	.	AR	.	AR		A
	09317-51890		WASHER T=1.450	.	AR	.	AR		A
	09317-51900		WASHER T=1.475	.	AR	.	AR		A
	09317-51910		WASHER T=1.500	.	AR	.	AR		A
	09317-51920		WASHER T=1.525	.	AR	.	AR		A
	09317-51930		WASHER T=1.550	.	AR	.	AR		A
	09317-51940		WASHER T=1.575	.	AR	.	AR		A
	09317-51950		WASHER T=1.600	.	AR	.	AR		A
	09317-51960		WASHER T=1.625	.	AR	.	AR		A
	09317-51970		WASHER T=1.650	.	AR	.	AR		A
	09317-51980		WASHER T=1.675	.	AR	.	AR		A
	09317-51990		WASHER T=1.700	.	AR	.	AR		A
	09317-52000		WASHER T=1.725	.	AR	.	AR		A
	09317-52010		WASHER T=1.750	.	AR	.	AR		A
	09317-52020		WASHER T=1.775	.	AR	.	AR		A
	09317-52030		WASHER T=1.800	.	AR	.	AR		A
	09317-52040		WASHER T=1.825	.	AR	.	AR		A
	09317-52050		WASHER T=1.850	.	AR	.	AR		A
	09317-52060		WASHER T=1.875	.	AR	.	AR		A
	09317-52070		WASHER T=1.900	.	AR	.	AR		A
	09317-52080		WASHER T=1.925	.	AR	.	AR		A
	09317-52090		WASHER T=1.950	.	AR	.	AR		A

61-02-02 NOZZLE
(FOR 2, 4)

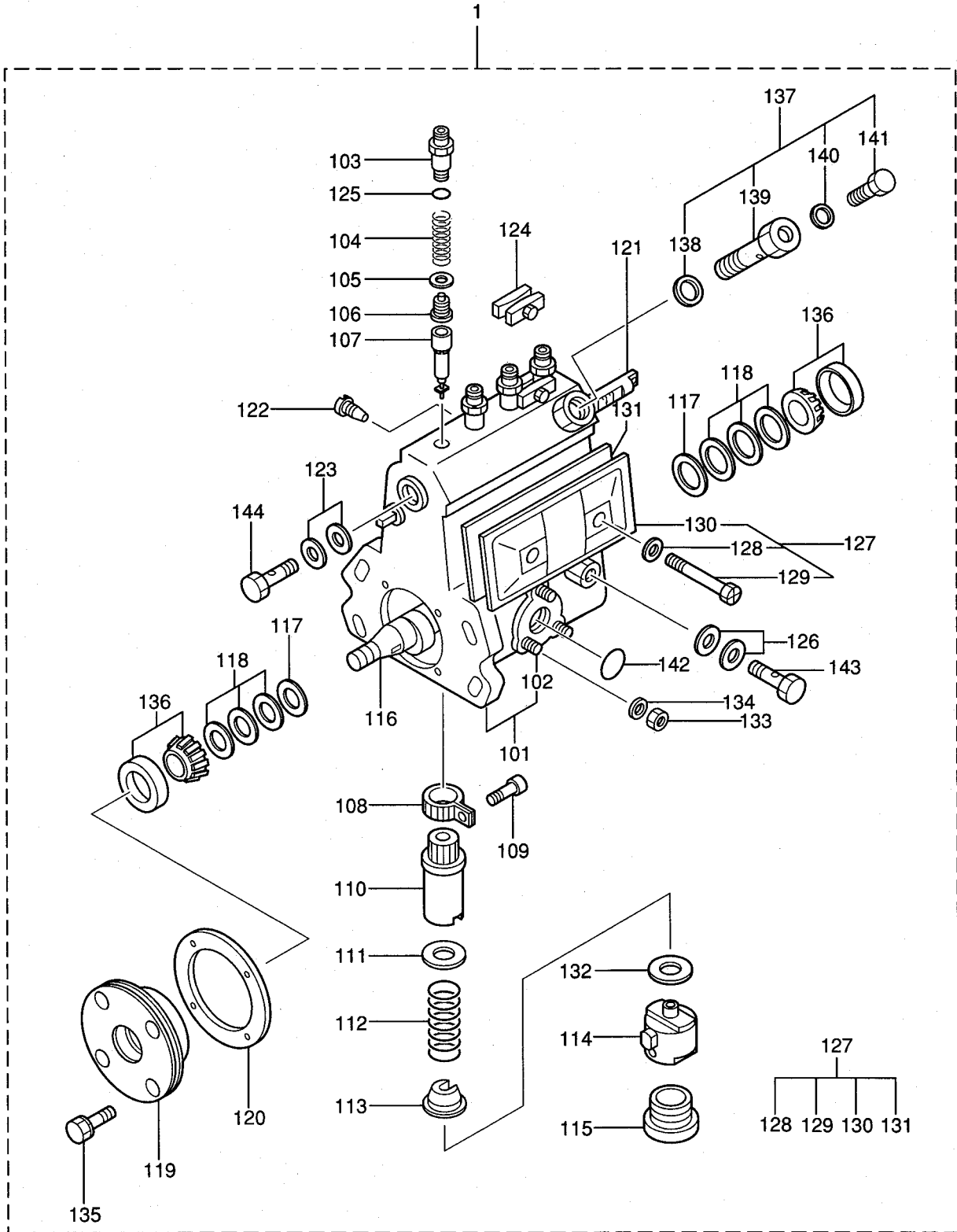
- 50-



61-03

INJECTION PUMP
(FOR 3, 4)

- 52-



- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

61-03 INJECTION PUMP
(FOR 3, 4)

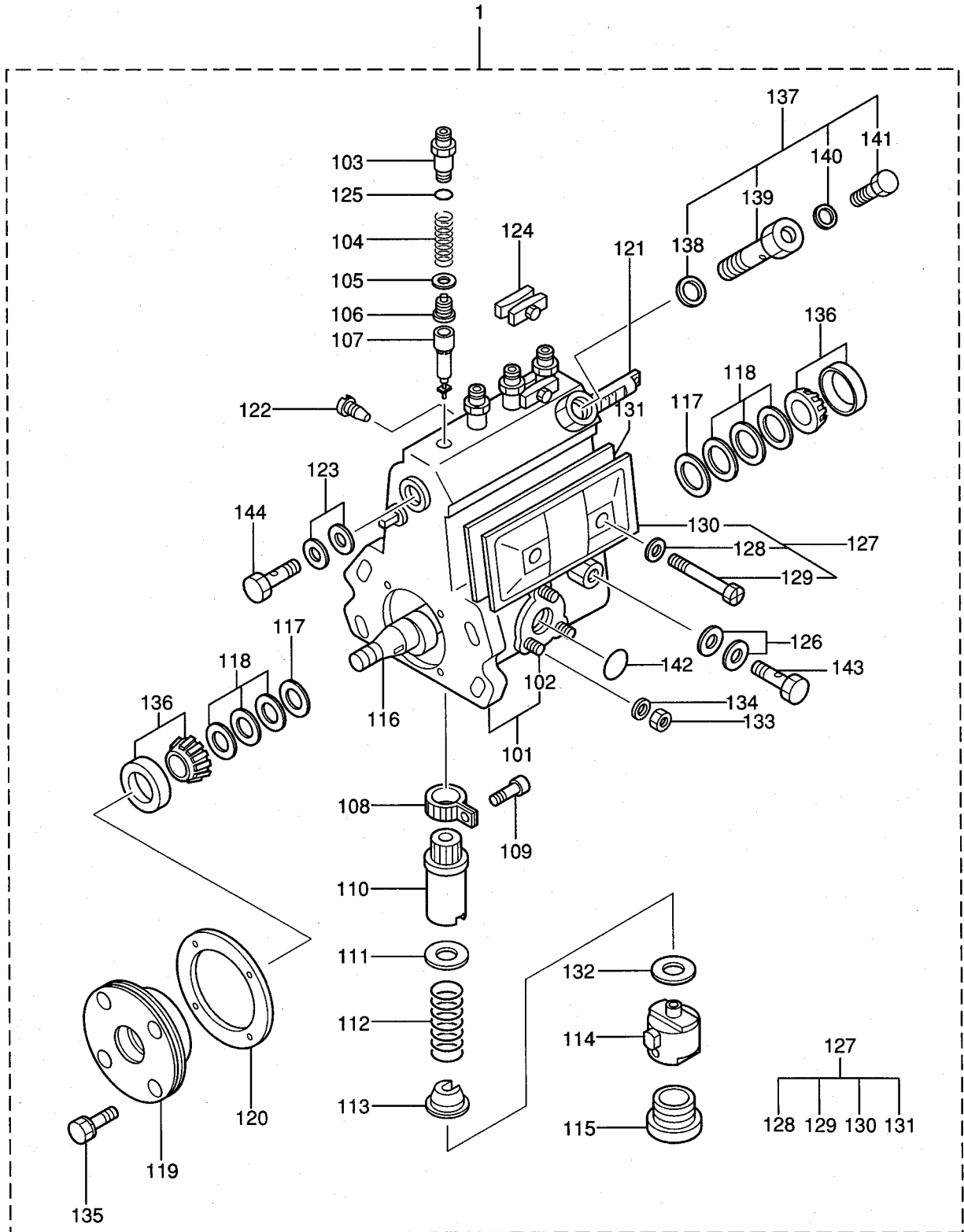
- 53 -

REF. NO.	PART NO.	RSC / EN / PGG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M / R
				1	2	3	4		
1	*		BODY ASSY, INJ PUMP 190100-0480 DEN	.	.	1	1		
101	19011-05060		HOUSING KIT, INJ PUMP	.	.	1	1		
102	94904-30010		BOLT, STUD	.	.	3	3		A
103	09013-10330		HOLDER, DELIVERY	.	.	4	4		
104	09013-60020		SPRING, DELIVERY	.	.	4	4		
105	09013-70100		GASKET, DELIVERY	.	.	4	4		
106	09014-00660		VALVE SUB ASSY	.	.	4	4		
107	09015-02980		ELEMENT SUB ASSY	.	.	4	4		A
108	09015-60010		PINION, CONTROL	.	.	4	4		
109	09015-70010		SCREW, PINION CLAMP	.	.	4	4		
110	09016-10330		SLEEVE, CONTROL	.	.	4	4		
111	09016-30191		SEAT, SPRING UPPER	.	.	4	4		
112	09016-40090		SPRING, PUMP PLUNGER	.	.	4	4		A
113	09016-50160		SEAT, SPRING LOWER	.	.	4	4		
114	09017-00070		TAPPET SUB ASSY	.	.	4	4		
115	09018-90090		PLUG, FELT PLATE	.	.	4	4		
116	09019-10082		CAMSHAFT	.	.	1	1		
117	09019-30020		RING, ADJUSTING	.	.	2	2		
118	09019-40010		PLATE, CAMSHAFT SHIM T=0.10	.	.	AR	AR		
	09019-40020		PLATE, CAMSHAFT SHIM T=0.12	.	.	AR	AR		
	09019-40030		PLATE, CAMSHAFT SHIM T=0.14	.	.	AR	AR		
	09019-40040		PLATE, CAMSHAFT SHIM T=0.16	.	.	AR	AR		
	09019-40050		PLATE, CAMSHAFT SHIM T=0.18	.	.	AR	AR		
	09019-40060		PLATE, CAMSHAFT SHIM T=0.50	.	.	AR	AR		
	09019-40110		PLATE, CAMSHAFT SHIM T=0.30	.	.	AR	AR		
	09019-40140		PLATE, CAMSHAFT SHIM T=1.00	.	.	AR	AR		
	09019-40150		PLATE, CAMSHAFT SHIM T=1.50	.	.	AR	AR		
	09019-40290		PLATE, CAMSHAFT SHIM T=2.00	.	.	AR	AR		
	09019-40400		PLATE, CAMSHAFT SHIM T=0.03	.	.	AR	AR		
119	09020-10300		COVER, BEARING	.	.	1	1		
120	09020-60160		GASKET, BEARING COVER	.	.	1	1		
121	09021-20020		RACK, CONTROL	.	.	1	1		
122	09021-50060		SCREW, RACK GUIDE	.	.	1	1		
123	09022-20070		WASHER, PIPE UNION	.	.	2	2		
124	09023-00050		PLATE SET, LOCK	.	.	2	2		
125	94914-02570		O-RING	.	.	4	4		A
126	09025-10010		WASHER, DRAIN UNION	.	.	2	2		
127	09027-01460		COVER SUB ASSY, INJ	.	.	1	1		
128	09024-30030		PACKING, AIR BLEEDER	.	.	2	2		A
129	09027-60030		SCREW	.	.	2	2		
130	09027-50182		COVER, PLATE	.	.	1	1		
131	09027-20210		GASKET, COVER PLATE	.	.	1	1		
132	09031-10010		PLATE, TAPPET SHIM T=0.60	.	.	AR	AR		
	09031-10020		PLATE, TAPPET SHIM T=0.70	.	.	AR	AR		
	09031-10030		PLATE, TAPPET SHIM T=0.80	.	.	AR	AR		
	09031-10040		PLATE, TAPPET SHIM T=0.90	.	.	AR	AR		
	09031-10050		PLATE, TAPPET SHIM T=1.00	.	.	AR	AR		
	09031-10060		PLATE, TAPPET SHIM T=1.10	.	.	AR	AR		
	09031-10070		PLATE, TAPPET SHIM T=1.20	.	.	AR	AR		
	09031-10080		PLATE, TAPPET SHIM T=1.30	.	.	AR	AR		

61-03

INJECTION PUMP
(FOR 3, 4)

- 54-



- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

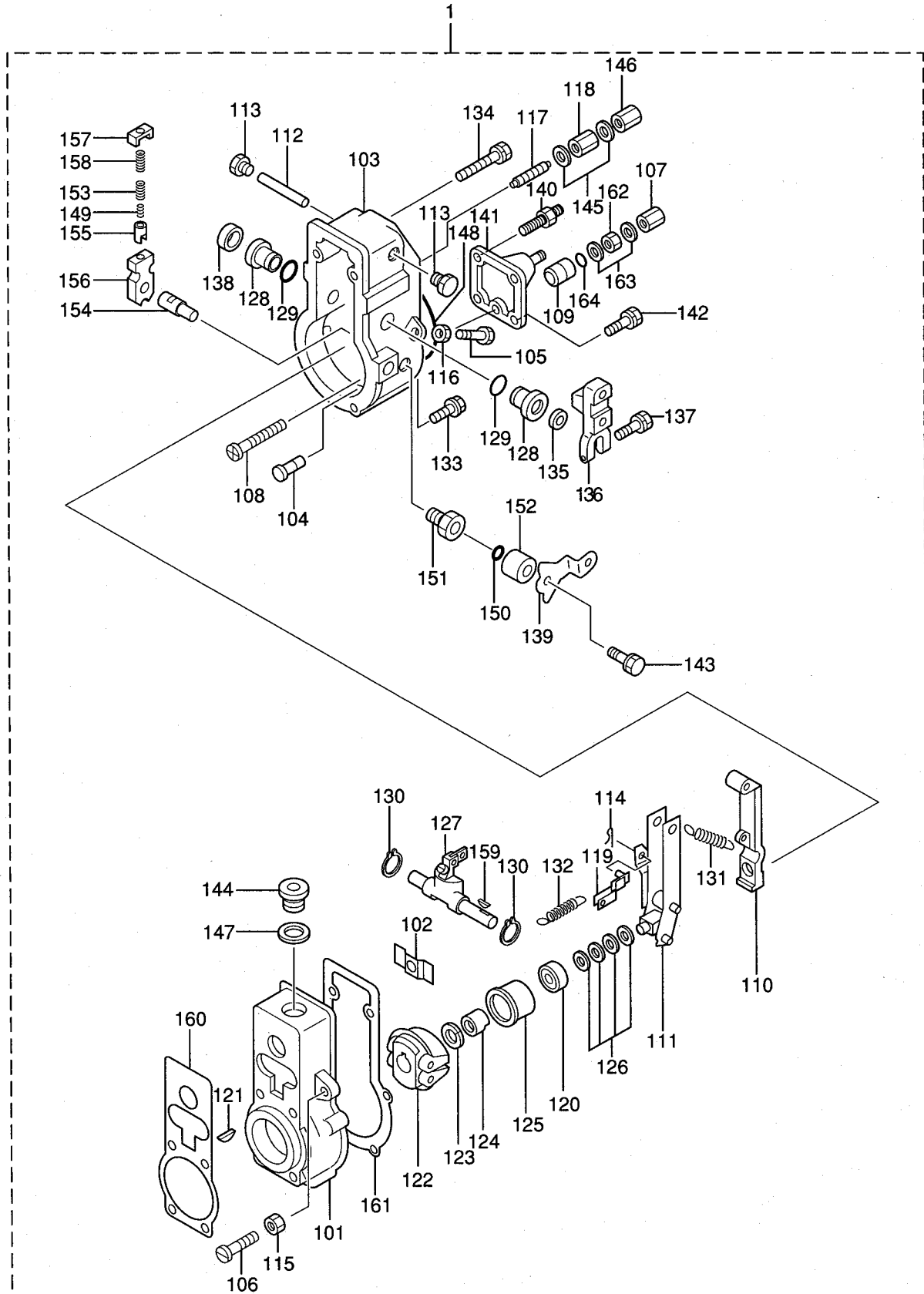
61-03 INJECTION PUMP
(FOR 3, 4)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M/V /R
				1	2	3	4		
132	09031-10090		PLATE, TAPPET SHIM T=1.40	.	.	AR	AR		
	09031-10100		PLATE, TAPPET SHIM T=0.10	.	.	AR	AR		
	09031-10110		PLATE, TAPPET SHIM T=0.20	.	.	AR	AR		
	09031-10120		PLATE, TAPPET SHIM T=0.30	.	.	AR	AR		
	09031-10130		PLATE, TAPPET SHIM T=0.40	.	.	AR	AR		
	09031-10140		PLATE, TAPPET SHIM T=0.50	.	.	AR	AR		
	09031-10150		PLATE, TAPPET SHIM T=0.15	.	.	AR	AR		
	09031-10290		PLATE, TAPPET SHIM T=0.13	.	.	AR	AR		
133	90160-06051		NUT, HEXAGON	.	.	3	3		
134	90258-06001		WASHER, SPRING	.	.	3	3		A
135	94904-71360		BOLT, W/WASHER B/W	.	.	4	4		A
136	94910-10120		BEARING, ROLLER	.	.	2	2		A
137	09024-00010		BLEEDER SUB ASSY, AIR	.	.	1	1		
138	09024-10010		WASHER, NIPPLE	.	.	1	1		
139	09024-20010		NIPPLE, AIR BLEEDER	.	.	1	1		
140	09024-30030		PACKING, AIR BLEEDER	.	.	1	1		
141	09024-40010		SCREW, AIR BLEEDER	.	.	1	1		
142	94914-00380		O-RING	.	.	1	1		A
143	94918-00060		SCREW, HOLLOW	.	.	1	1		
144	94918-00310		SCREW, HOLLOW	.	.	1	1		

FROM @ -- @ UPTORD

61-04-01 GOVERNOR
(FOR 3)

- 56-



1.S4Q-Y165DG
 2.S4Q-Y165DP
 3.S4Q2-Y165DG
 4.S4Q2-Y165DP

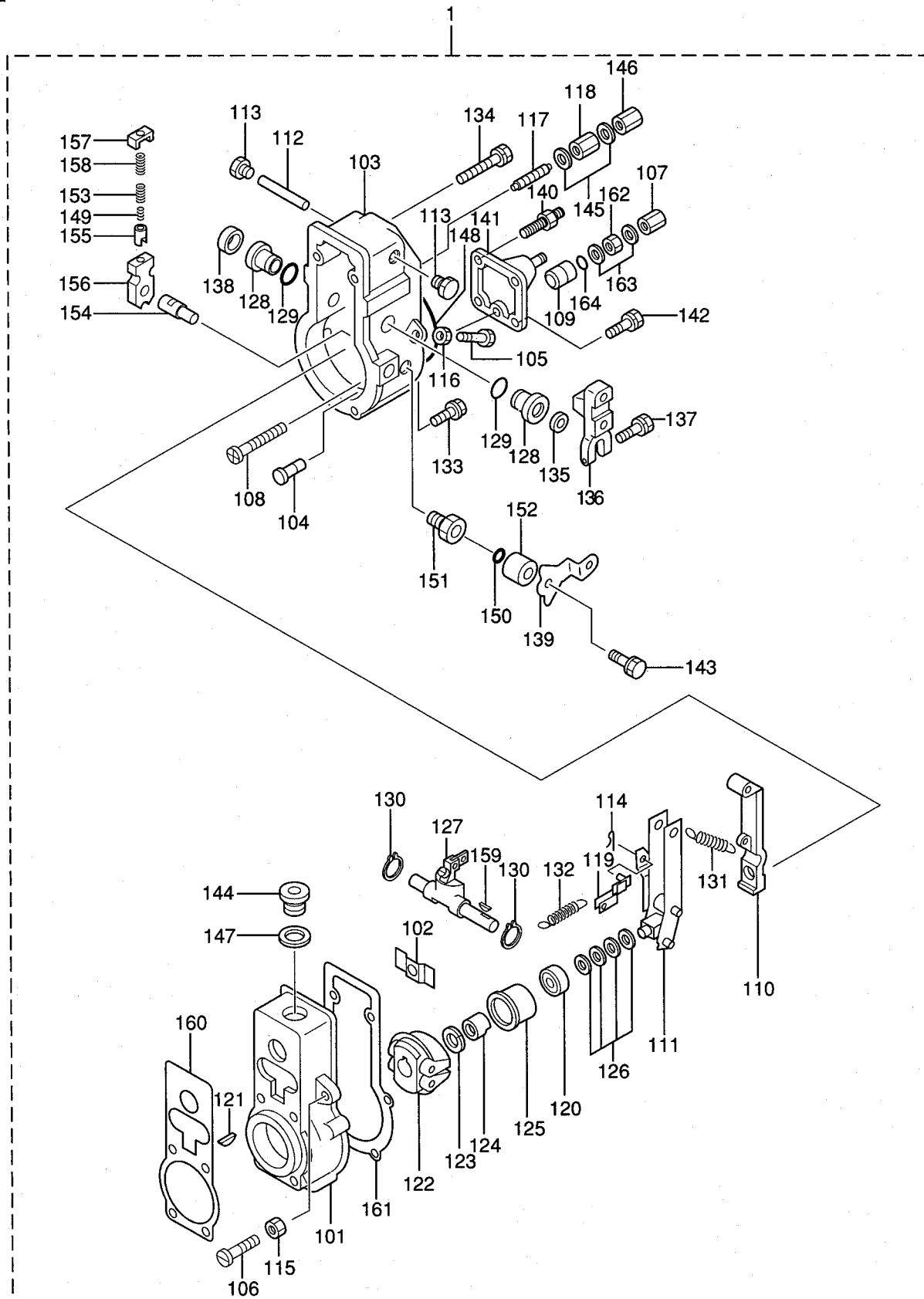
61-04-01 GOVERNOR
 (FOR 3)

- 57-

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R ORD
				1	2	3	4		
1	*		GOVERNOR ASSY			1			
101	09081-00660		HOUSING SUB ASSY			1			
102	09087-80030		PLATE			1			
103	09101-11670		COVER, GOVERNOR			1			
104	09101-40090		PIN, STOP			1			
105	09102-40031		SCREW, ADJUSTING			1			A
106	09102-40260		SCREW, ADJUSTING			1			A
107	09103-10151		NUT, CAP			1			A
108	09100-60150		SCREW, ADJUSTING			1			A
109	09094-40310		BUSHING			1			
110	09090-10150		LEVER, TENSION			1			
111	09093-00041		LEVER ASSY, CONTROL			1			
112	09098-90010		SHAFT, LEVER SUPPORT			1			
113	09099-10010		PLUG, SCREW			2			
114	90400-02101		PIN, SPLIT			1			A
115	90190-08051		NUT, HEXAGON			1			A
116	94805-30051		NUT, HEXAGON, W/HOLE			1			
117	09056-00170		CAPSULE, FULL STOP			1			
118	09092-30060		NUT, ADAPTER LOCK			1			
119	09097-00170		SHACKLE ASSY			1			
120	94910-00010		BEARING, BALL			1			A
121	94913-00050		KEY, WOODRUFF			1			
122	09084-00660		FLYWEIGHT ASSY			1			
123	94901-50500		WASHER, SPRING			1			A
124	09084-40010		NUT, ROUND			1			
125	09086-10010		SLEEVE, GOVERNOR			1			
126	94901-34060		WASHER, PLATE			AR			
	94901-34070		WASHER, PLATE			AR			
	94901-34080		WASHER, PLATE			AR			
	94901-34090		WASHER, PLATE			AR			
	94901-34100		WASHER, PLATE			AR			
127	09088-00140		LEVER ASSY, SWIVELING			1			
128	09089-20080		BUSHING, LEVER			2			
129	90801-20160		O-RING			2			A
130	94907-10090		WASHER, SNAP			2			
131	09099-20410		SPRING, SPEED CONTROL			1			
132	09099-30010		SPRING, START			1			A
133	94904-71760		BOLT, W/WASHER			4			A
134	94904-71750		BOLT, W/WASHER			2			A
135	94915-00210		SEAL, OIL			1			A
136	09107-11930		LEVER, ADJUSTING			1			
137	94904-71190		BOLT, W/WASHER			1			A
138	09109-40060		CAP, LEVER			1			
139	09109-80950		STOPPER			1			
140	94904-32250		BOLT, STUD			2			A
141	09105-00491		PLATE SUB ASSY, COVER			1			
142	94904-72701		BOLT, W/WASHER			2			A
143	91418-06141		BOLT, W/WASHER			1			A
144	09116-70050		PLUG, SCREW			1			
145	09024-10010		WASHER, NIPPLE			2			A

61-04-01 GOVERNOR
(FOR 3)

- 58-



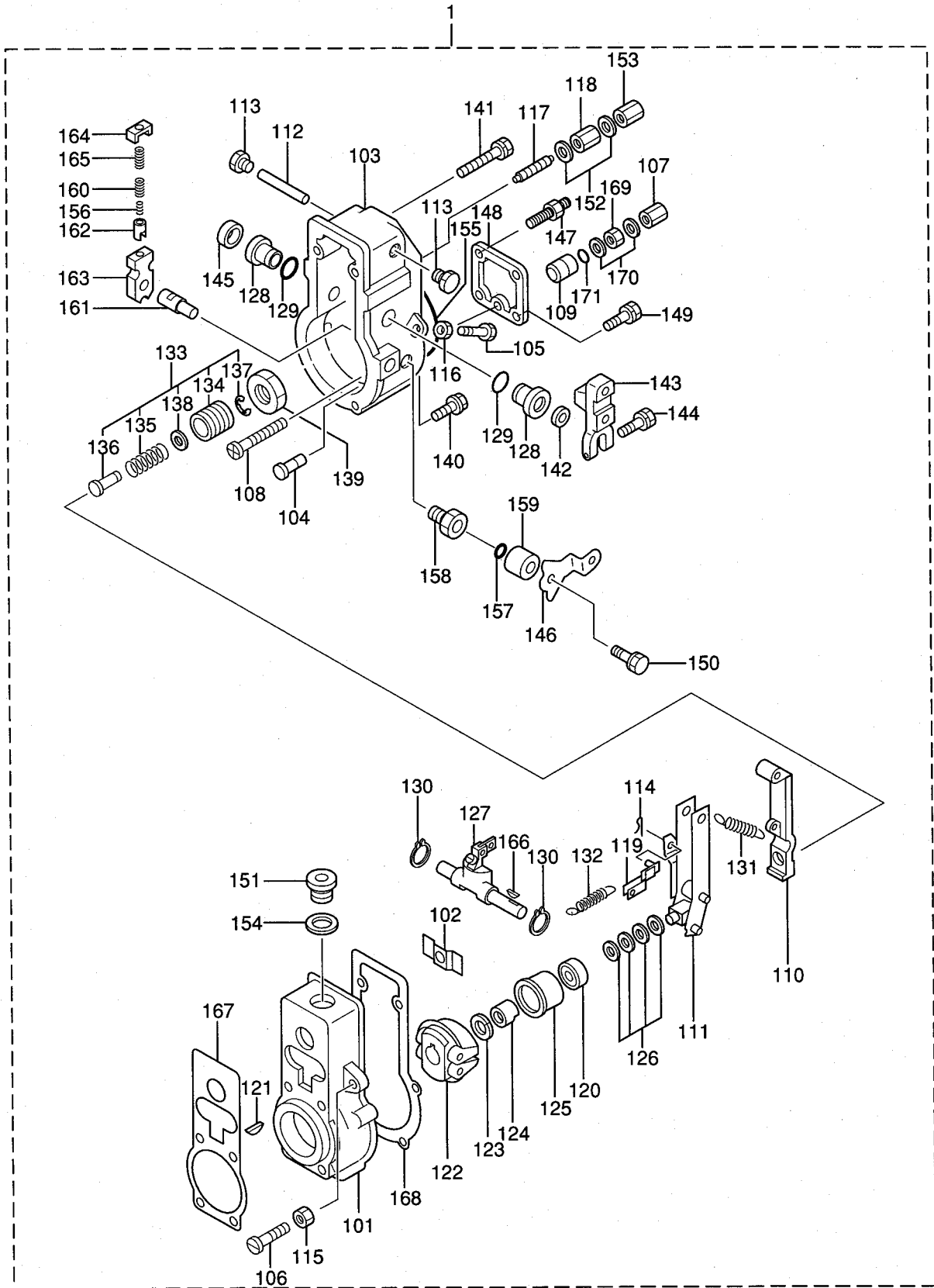
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

61-04-01 GOVERNOR
(FOR 3)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R
				1	2	3	4		
146	09103-10030		NUT,CAP	.	.	1	.		
147	94901-81550		WASHER,COPPER PLATE	.	.	1	.		
148	94906-21270		PACKING,RUBBER PLATE	.	.	1	.		
149	09103-80040		SPRING,B	.	.	1	.		A
150	94914-00130		O-RING	.	.	1	.		A
151	09101-60360		BUSHING,BEARING	.	.	1	.		
152	09104-30010		COVER,SPRING	.	.	1	.		
153	09103-80050		SPRING,B	.	.	1	.		A
154	09103-50240		SHAFT,MECH GOVERNOR	.	.	1	.		
155	09103-60010		CUP,SPRING	.	.	1	.		
156	09103-40161		LEVER,SUPPORT	.	.	1	.		
157	09103-30030		PLATE,CAP	.	.	1	.		
158	09103-80030		SPRING,B	.	.	1	.		A
159	94913-00030		KEY,WOODRUFF	.	.	1	.		
160	09082-30460		GASKET	.	.	1	.		A
161	09082-30420		GASKET	.	.	1	.		A
162	94905-03390		NUT,HEXAGON	.	.	1	.		
163	94901-81020		WASHER,COPPER PLATE	.	.	2	.		
164	90801-10120		O-RING	.	.	1	.		A

61-04-02 GOVERNOR
(FOR 4)

- 60-



- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

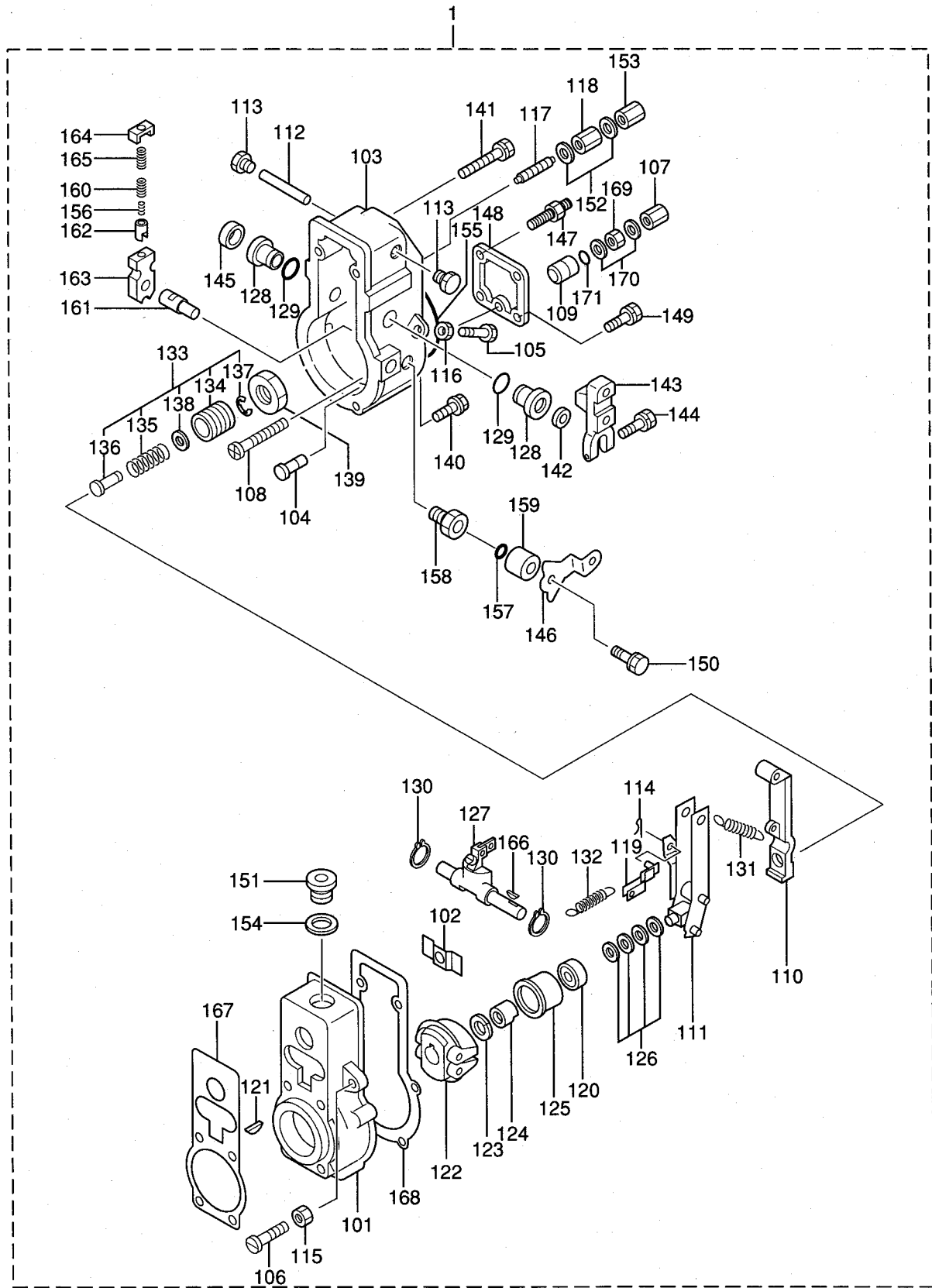
61-04-02 GOVERNOR
(FOR 4)

- 61-

REF. NO.	PART NO.	RSC / EN PQQ	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	M/V / R
				1	2	3	4		
1	*		GOVERNOR ASSY 190800-6750 DEN	.	.	.	1		
101	09081-00660		HOUSING SUB ASSY	.	.	.	1		
102	09087-80030		PLATE	.	.	.	1		
103	09101-11670		COVER, GOVERNOR	.	.	.	1		
104	09101-40090		PIN, STOP	.	.	.	1		
105	09102-40031		SCREW, ADJUSTING	.	.	.	1		A
106	09102-40211		SCREW, ADJUSTING	.	.	.	1		A
107	09103-10151		NUT, CAP	.	.	.	1		
108	09100-60150		SCREW, ADJUSTING	.	.	.	1		A
109	09094-40310		BUSHING	.	.	.	1		
110	09090-10150		LEVER, TENSION	.	.	.	1		
111	09093-00041		LEVER ASSY, CONTROL	.	.	.	1		
112	09098-90010		SHAFT, LEVER SUPPORT	.	.	.	1		
113	09099-10010		PLUG, SCREW	.	.	.	2		
114	90400-02101		PIN, SPLIT	.	.	.	1		A
115	90190-08051		NUT, HEXAGON	.	.	.	1		A
116	94805-30051		NUT, HEXAGON W/HOLE	.	.	.	1		
117	09056-00170		CAPSULE, FULL STOP	.	.	.	1		
118	09092-30060		NUT, ADAPTER LOCK	.	.	.	1		
119	09097-00170		SHACKLE ASSY	.	.	.	1		
120	94910-00010		BEARING, BALL	.	.	.	1		A
121	94913-00050		KEY, WOODRUFF	.	.	.	1		
122	09084-00570		FLYWEIGHT ASSY	.	.	.	1		
123	94901-50500		WASHER, SPRING	.	.	.	1		A
124	09084-40010		NUT, ROUND	.	.	.	1		
125	09086-10010		SLEEVE, GOVERNOR	.	.	.	1		
126	94901-34060		WASHER, PLATE T=0.2	.	.	.	AR		
	94901-34070		WASHER, PLATE T=0.3	.	.	.	AR		
	94901-34080		WASHER, PLATE T=0.4	.	.	.	AR		
	94901-34090		WASHER, PLATE T=0.1	.	.	.	AR		
	94901-34100		WASHER, PLATE T=1.0	.	.	.	AR		
127	09088-00140		LEVER, ASSY, SWIVELING	.	.	.	1		
128	09089-20080		BUSHING, LEVER	.	.	.	2		
129	90801-20160		O-RING	.	.	.	2		A
130	94907-10090		WASHER, SNAP	.	.	.	2		
131	09099-20420		SPRING, SPEED CONTROL	.	.	.	1		
132	09099-30010		SPRING, START	.	.	.	1		A
133	09091-01150		ADAPTER ASSY	.	.	.	1		
134	09091-10010		SCREW, ADAPTER	.	.	.	1		
135	09091-81950		SPRING, MECH GOVERNOR	.	.	.	1		
136	09091-90010		ADAPTER	.	.	.	1		
137	09089-40010		E-RING	.	.	.	1		
138	94901-33880		WASHER, PLATE T=0.10	.	.	.	AR		
	94901-34020		WASHER, PLATE T=0.25	.	.	.	AR		
	94901-34030		WASHER, PLATE T=0.50	.	.	.	AR		
	94901-34040		WASHER, PLATE T=0.20	.	.	.	AR		
	94901-37880		WASHER, PLATE T=1.00	.	.	.	AR		
139	09092-30011		NUT, ADAPTER LOCK	.	.	.	1		
140	94904-71760		BOLT, W/WASHER B/W	.	.	.	4		A
141	94904-71750		BOLT, W/WASHER B/W	.	.	.	2		A

61-04-02 GOVERNOR
(FOR 4)

- 62-



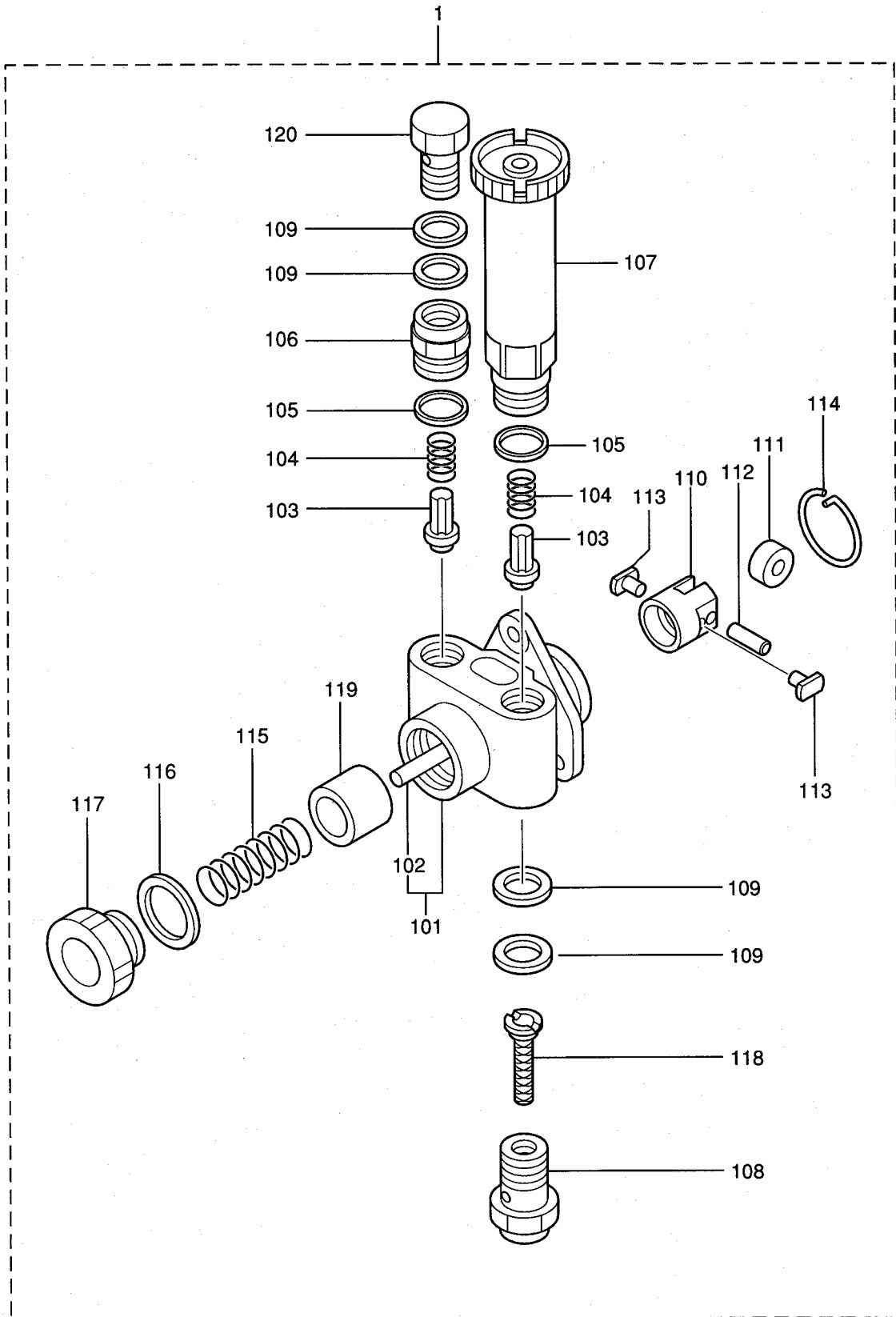
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

61-04-02 GOVERNOR
(FOR 4)

REF. NO.	PART NO.	RSC / EN PQQ	PART NAME & DESCRIPTION	MODEL & QTY					APPLICABLE SERIAL NO. FROM @ -- @ UPTO @	MV / R
				1	2	3	4			
142	94915-00210		SEAL, OIL	.	.	.	1			A
143	09107-11930		LEVER, ADJUSTING	.	.	.	1			A
144	94904-71190		BOLT, W/WASHER B/W	.	.	.	1			A
145	09109-40060		CAP, LEVER	.	.	.	1			A
146	09109-80950		STOPPER	.	.	.	1			A
147	94904-32250		BOLT, STUD	.	.	.	2			A
148	09105-10930		PLATE, COVER	.	.	.	1			A
149	94904-72701		BOLT, W/WASHER B/W	.	.	.	2			A
150	91418-06141		BOLT, W/WASHER B/W	.	.	.	1			A
151	09116-70050		PLUG, SCREW	.	.	.	1			A
152	09024-10010		WASHER, NIPPLE	.	.	.	2			A
153	09103-10030		NUT, CAP	.	.	.	1			A
154	94901-81550		WASHER, COPPER PLATE	.	.	.	1			A
155	94906-21270		PACKING, RUBBER PLATE	.	.	.	1			A
156	09103-80040		SPRING, B	.	.	.	1			A
157	94914-00130		O-RING	.	.	.	1			A
158	09101-60360		BUSHING, BEARING	.	.	.	1			A
159	09104-30010		COVER, SPRING	.	.	.	1			A
160	09103-80050		SPRING, B	.	.	.	1			A
161	09103-50240		SHAFT, MECH GOVERNOR	.	.	.	1			A
162	09103-60010		CUP, SPRING	.	.	.	1			A
163	09103-40161		LEVER, SUPPORT	.	.	.	1			A
164	09103-30030		PLATE, CAP	.	.	.	1			A
165	09103-80030		SPRING, B	.	.	.	1			A
166	94913-00030		KEY, WOODRUFF	.	.	.	1			A
167	09082-30460		GASKET	.	.	.	1			A
168	09082-30420		GASKET	.	.	.	1			A
169	94905-03390		NUT, HEXAGON	.	.	.	1			A
170	94901-81020		WASHER, COPPER PLATE	.	.	.	2			A
171	90801-10120		O-RING	.	.	.	1			A

61-05-01 FEED PUMP
(FOR 3)

- 64-



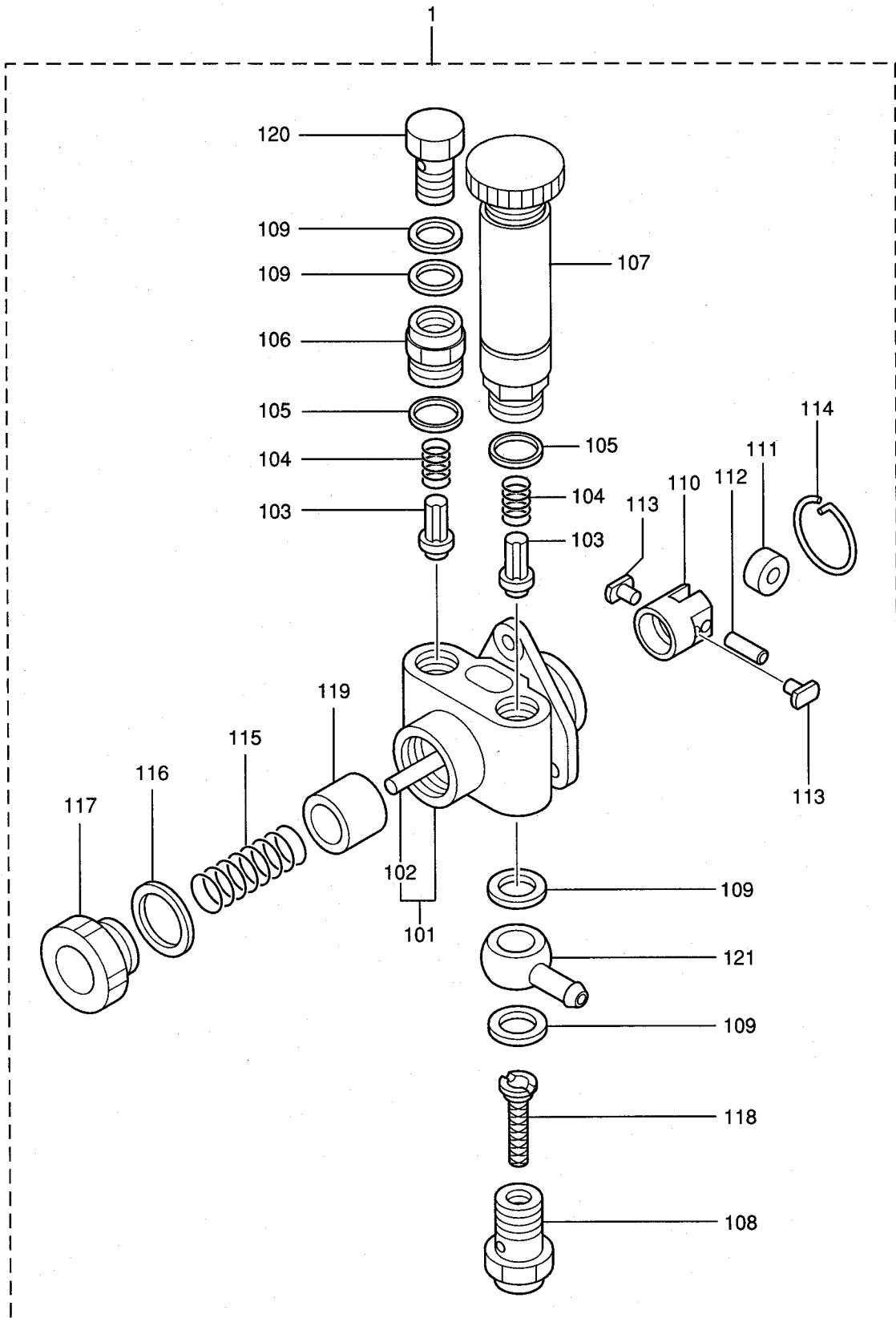
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

61-05-01 FEED PUMP
(FOR 3)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY					APPLICABLE SERIAL NO.	M /R
				1	2	3	4			
1	34461-09050		PUMP ASSY,FEED 092100-1551 DEN	.	.	1	.			
101	09212-00161		HOUSING SUB ASSY	.	.	1	.			
102	09216-80150		ROD,PUSH	.	.	1	.			
103	09212-10011		VALVE,CHECK	.	.	2	.			
104	09212-40010		SPRING,VALVE CHECK	.	.	2	.			A
105	09212-50010		GASKET,PLUG CHAMBER	.	.	2	.			
106	09212-70010		SUPPORT,VALVE	.	.	1	.			
107	09213-00220		PUMP S/ASSY,PRIMING	.	.	1	.			
108	09222-30070		SCREW,PIPE HOLLOW	.	.	1	.			
109	85265-00079		WASHER,PIPE UNION 090222-0070 DEN	.	.	4	.			
110	09217-40030		TAPPET,FEED PUMP	.	.	1	.			
111	09217-60010		ROLLER,TAPPET	.	.	1	.			
112	09217-80010		PIN,TAPPET ROLLER	.	.	1	.			A
113	09217-90050		BLOCK,TAPPET SLIDING	.	.	2	.			
114	94907-20940		RING,SNAP	.	.	1	.			A
115	09218-20020		SPRING,PISTON	.	.	1	.			
116	94901-81240		WASHER,COPPER PLATE	.	.	1	.			
117	09218-40021		PLUG,PISTON CHAMBER	.	.	1	.			
118	09222-00040		FILTER,FEED PUMP	.	.	1	.			A
119	09217-10011		PISTON,FEED PUMP	.	.	1	.			A
120	85265-00078		SCREW,HOLLOW 949180-0310 DEN	.	.	1	.			

61-05-02 FEED PUMP
(FOR 4)

- 66-

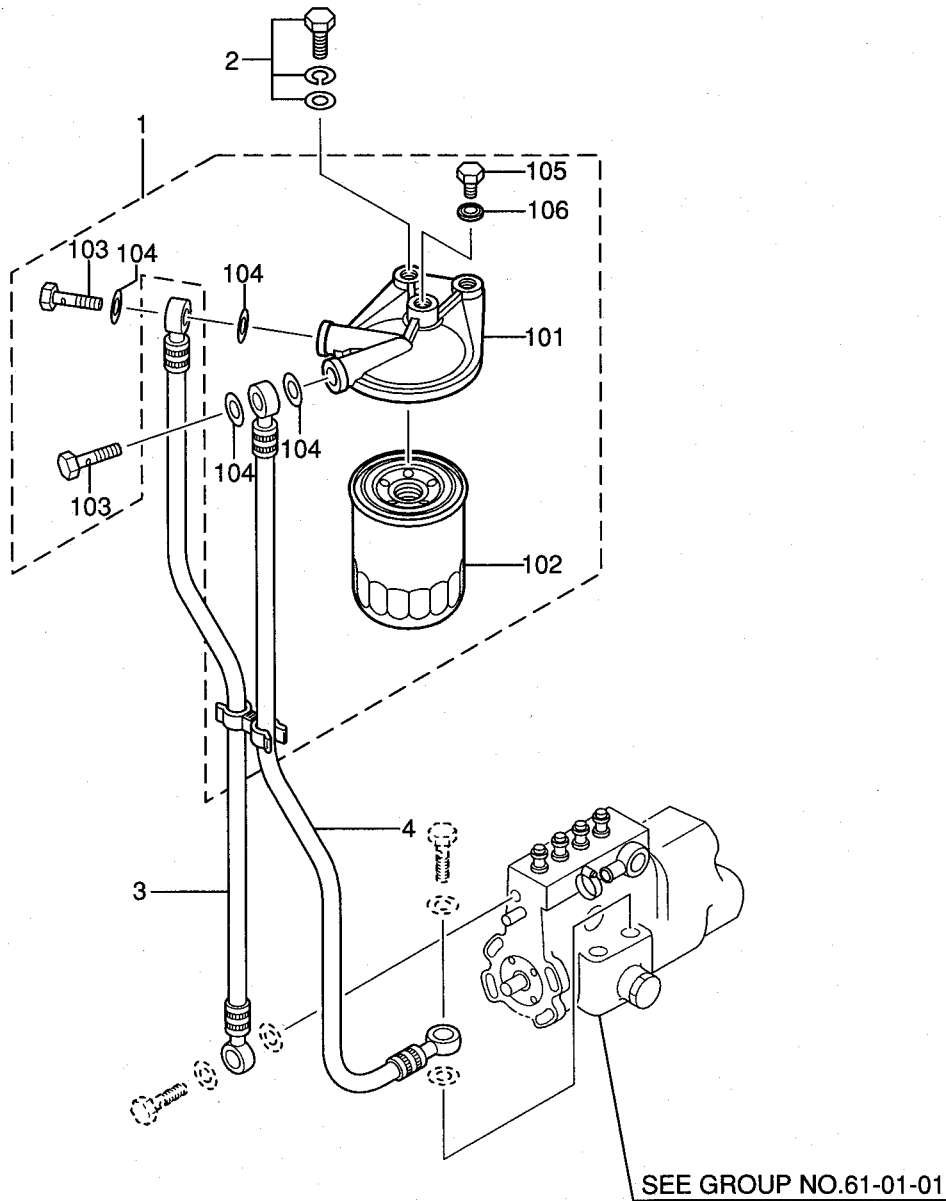


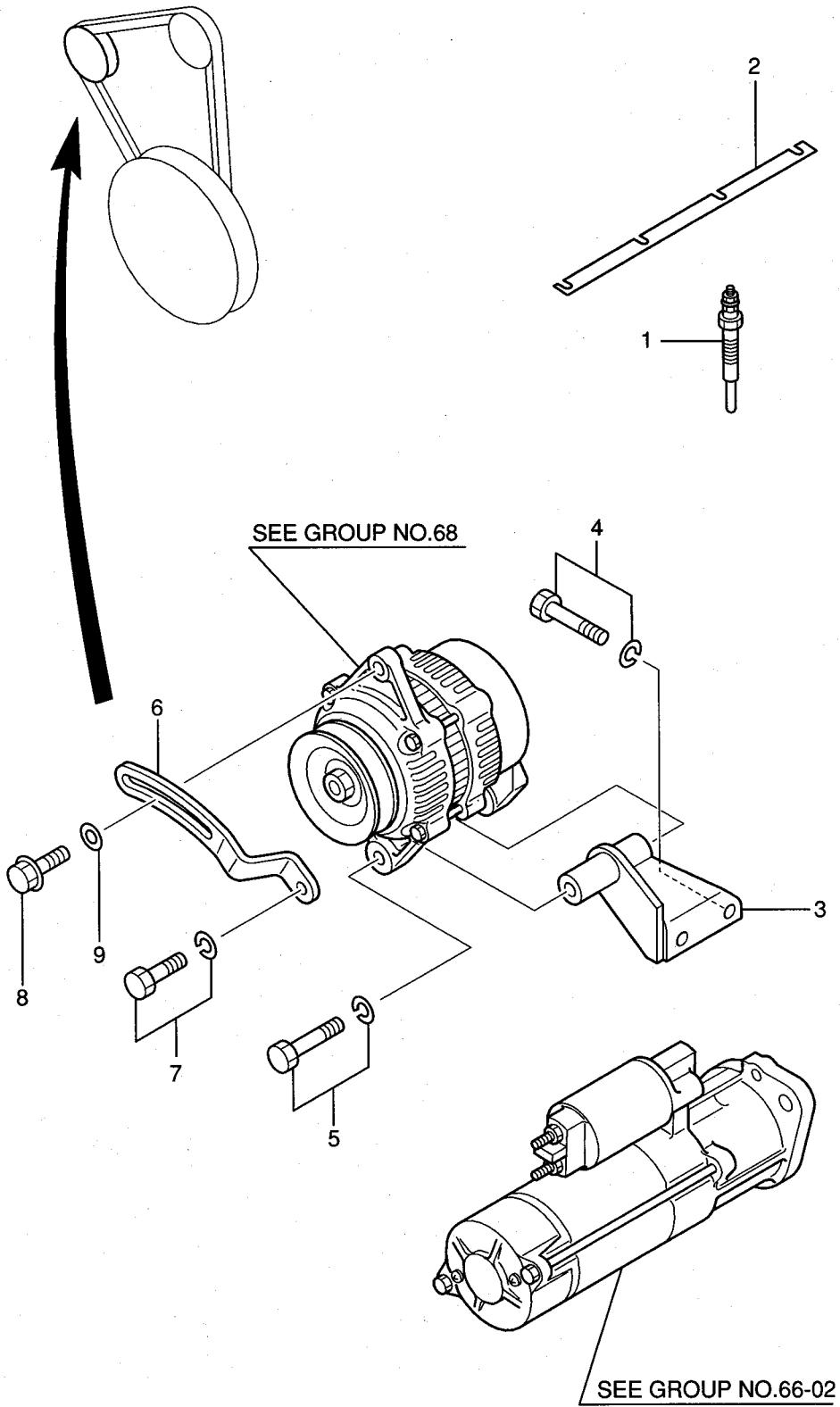
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

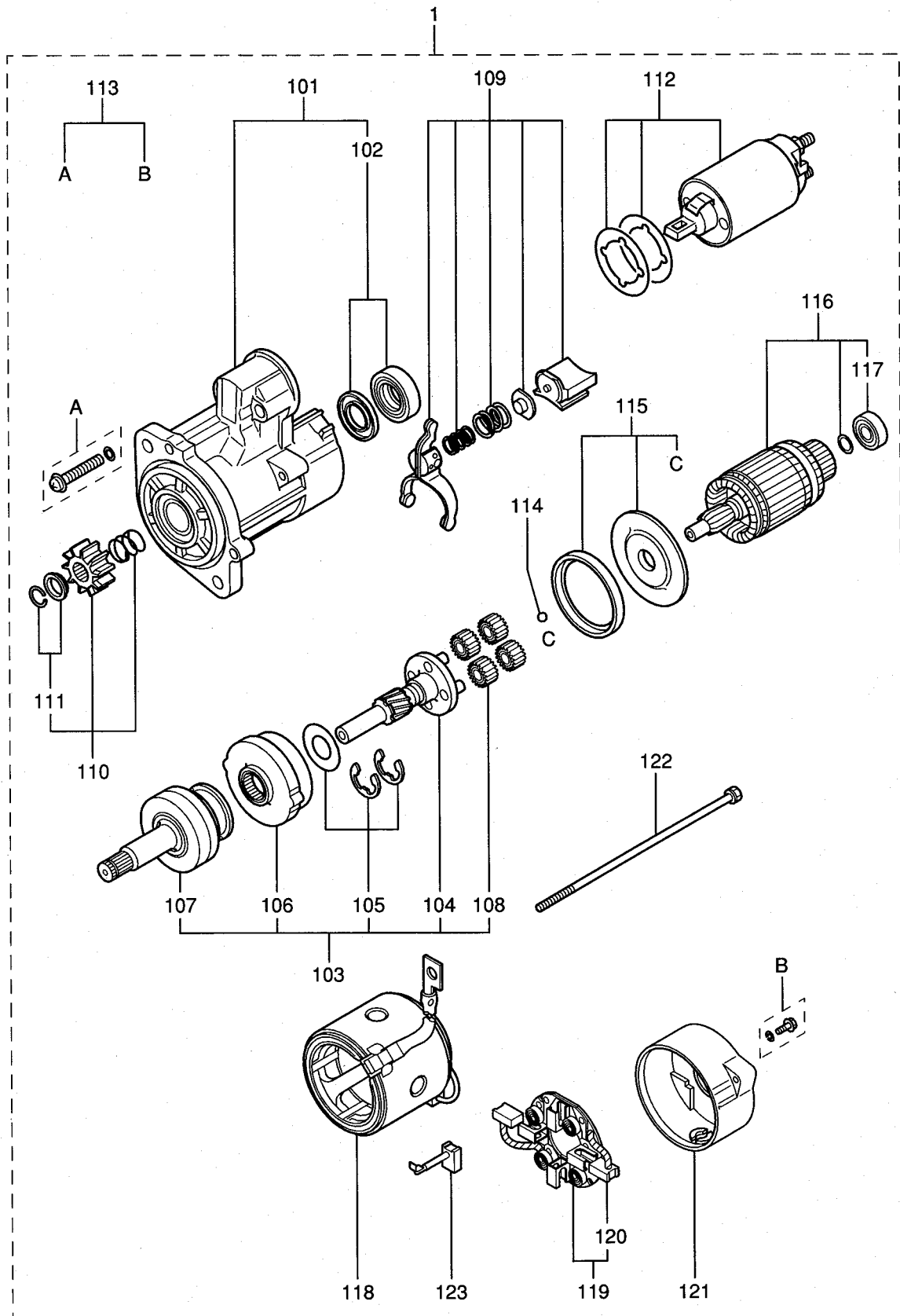
61-05-02 FEED PUMP
(FOR 4)

- 67-

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL&QTY				APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R
				1	2	3	4		
1	34461-09060		PUMP ASSY,FEED 092100-1291 DEN	.	.	.	1		
101	09212-00161		HOUSING SUB ASSY	.	.	.	1		
102	09216-80150		ROD,PUSH	.	.	.	1		
103	09212-10011		VALVE,CHECK	.	.	.	2		
104	09212-40010		SPRING,VALVE CHECK	.	.	.	2		A
105	09212-50010		GASKET,PLUG CHAMBER	.	.	.	2		
106	09212-70010		SUPPORT,VALVE	.	.	.	1		
107	09213-00220		PUMP S/ASSY,PRIMING	.	.	.	1		
108	09222-30070		SCREW,PIPE HOLLOW	.	.	.	1		
109	85265-00079		WASHER,PIPE UNION 090222-0070 DEN	.	.	.	4		
110	09217-40030		TAPPET,FEED PUMP	.	.	.	1		
111	09217-60010		ROLLER,TAPPET	.	.	.	1		
112	09217-80010		PIN,TAPPET ROLLER	.	.	.	1		A
113	09217-90050		BLOCK,TAPPET SLIDING	.	.	.	2		
114	94907-20940		RING,SNAP	.	.	.	1		A
115	09218-20020		SPRING,PISTON	.	.	.	1		
116	94901-81240		WASHER,COPPER PLATE	.	.	.	1		
117	09218-40021		PLUG,PISTON CHAMBER	.	.	.	1		
118	09222-00040		FILTER,FEED PUMP	.	.	.	1		A
119	09217-10011		PISTON,FEED PUMP	.	.	.	1		A
120	85265-00078		SCREW,HOLLOW 949180-0310 DEN	.	.	.	1		
121	30661-53800		NIPPLE,SWIVELING 949181-0160 DEN	.	.	.	1		



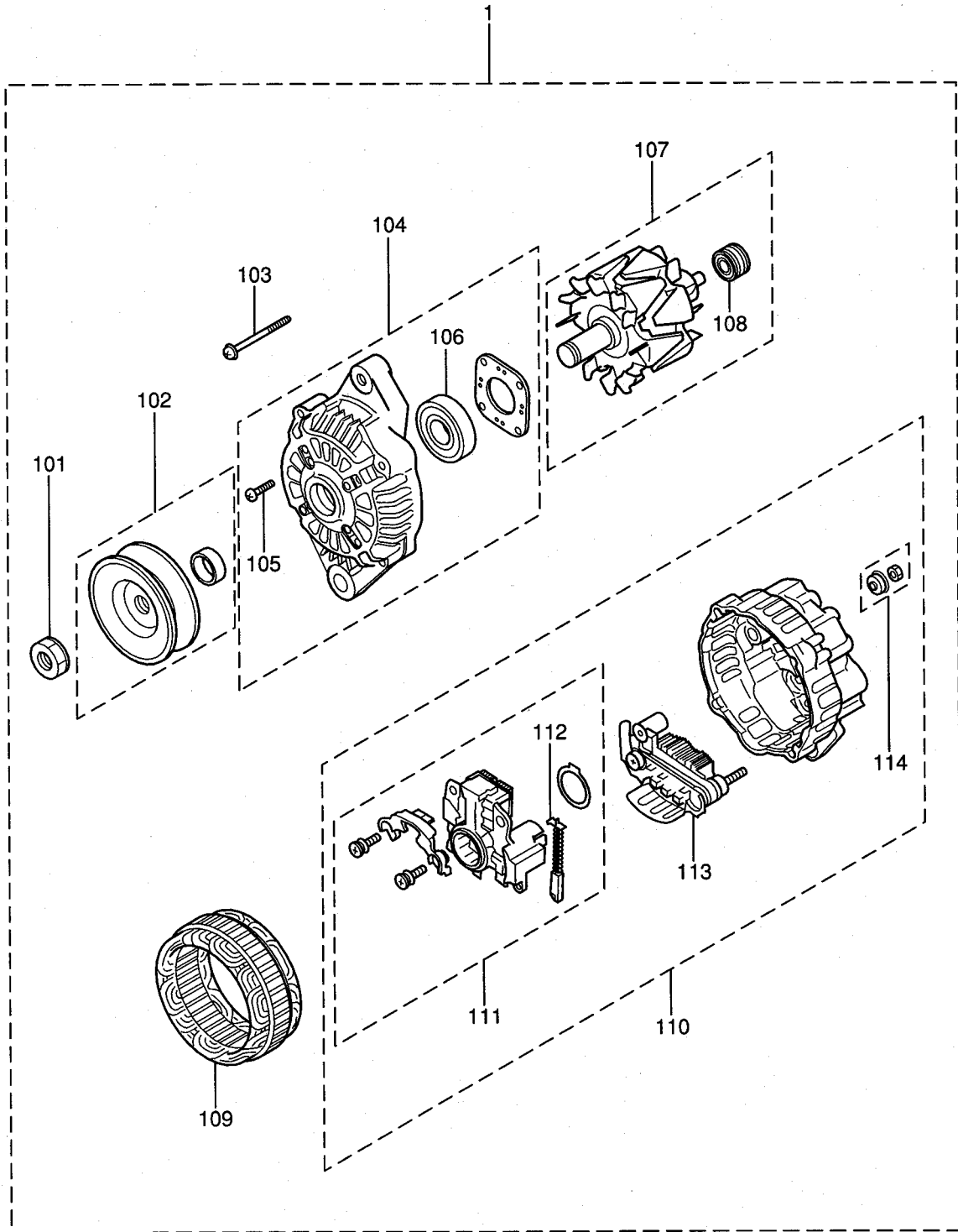




- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

66-02 STARTER (12V-2.0KW)

REF. NO.	PART NO.	RSC /EN PQG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO. FROM@--@UPTORD	MV /R
				1	2	3	4		
1	32A66-20601		STARTER ASSY MO08T70371 MEC	1	1	1	1		
101	M641X-B1574		BRACKET ASSY,FRONT	1	1	1	1		
102	M690X-00572		BEARING SET	1	1	1	1		A
103	M357X-91874		SHAFT ASSY,CLUTCH	1	1	1	1		
104	M357X-66185		SHAFT ASSY,GEAR	1	1	1	1		
105	M982X-38871		WASHER SET	1	1	1	1		A
106	M135X-01581		GEAR ASSY,INTERNAL	1	1	1	1		
107	M191X-67685		CLUTCH,OVER RUNNING	1	1	1	1		
108	M230X-00671		GEAR ASSY	4	4	4	4		
109	M863X-08673		LEVER ASSY	1	1	1	1		
110	M605X-96571		PINION SET	1	1	1	1		
111	M385X-03771		STOPPER SET	1	1	1	1		
112	M372X-07671		SWITCH ASSY	1	1	1	1		
113	M414X-04875		SCREW SET	1	1	1	1		A
114	S409S-00008		BALL	1	1	1	1		A
115	M578X-29171		PACKING SET	1	1	1	1		A
116	M106X-43571		ARMATURE SET	1	1	1	1		
117	S930P-29970		BEARING	1	1	1	1		A
118	M800X-73871		YOKE ASSY	1	1	1	1		
119	M649X-20471		HOLDER ASSY,BRUSH	1	1	1	1		
120	M391X-04371		SPRING,BRUSH	4	4	4	4		A
121	M642X-35671		BRACKET ASSY,REAR	1	1	1	1		
122	M901X-00371		BOLT SET	1	1	1	1		A
123	M648X-40771		BRUSH	2	2	2	2		A



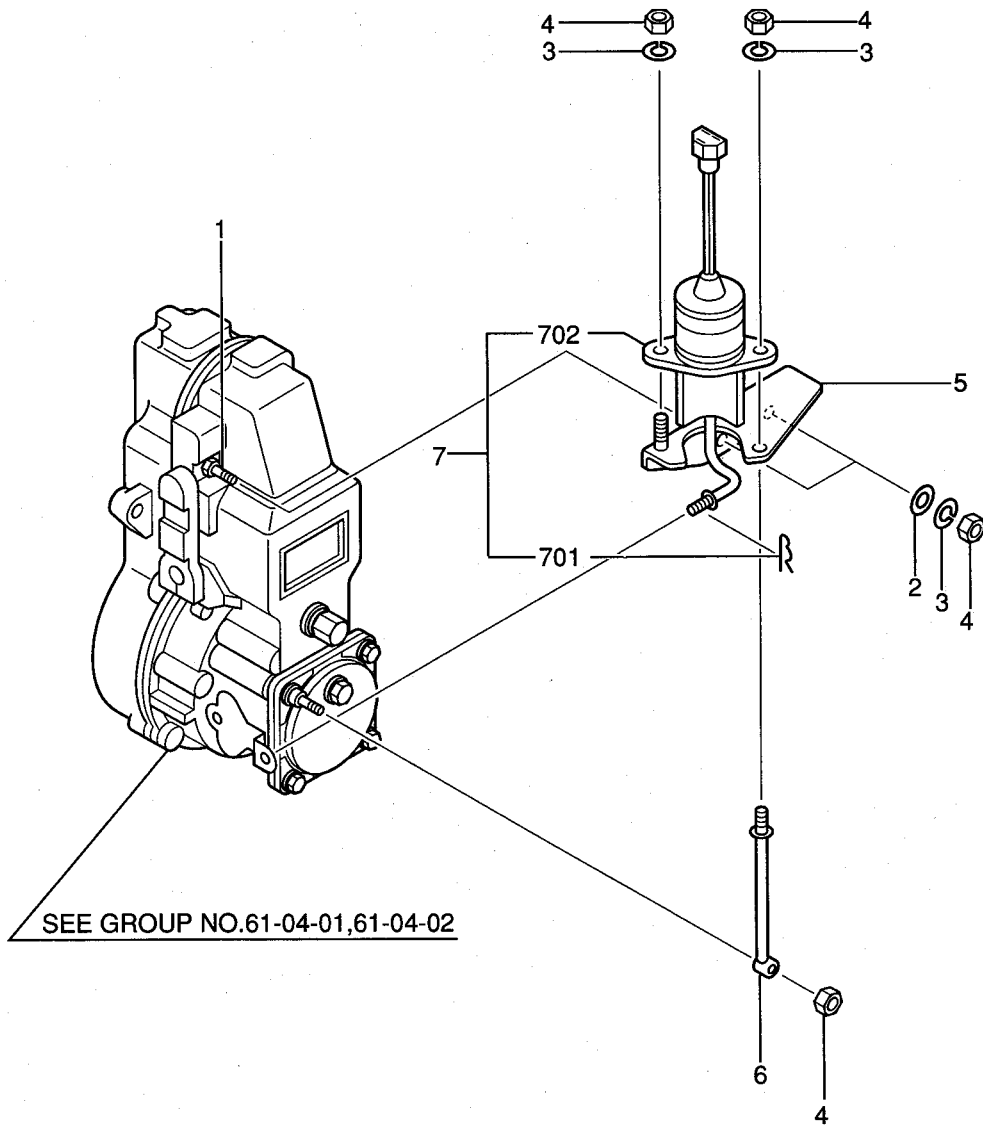
- 1. S4Q-Y165DG
- 2. S4Q-Y165DP
- 3. S4Q2-Y165DG
- 4. S4Q2-Y165DP

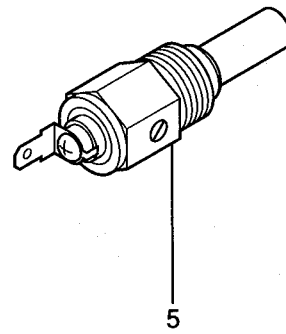
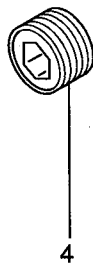
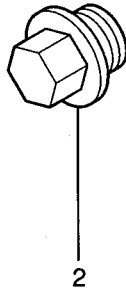
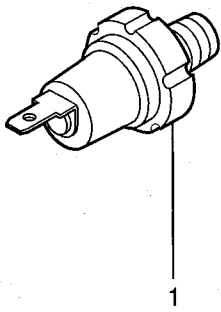
68

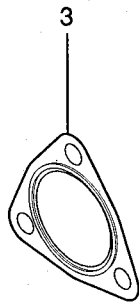
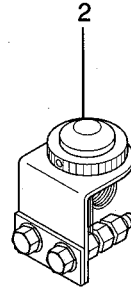
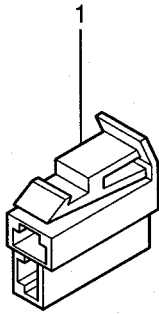
ALTERNATOR (12V-50A)

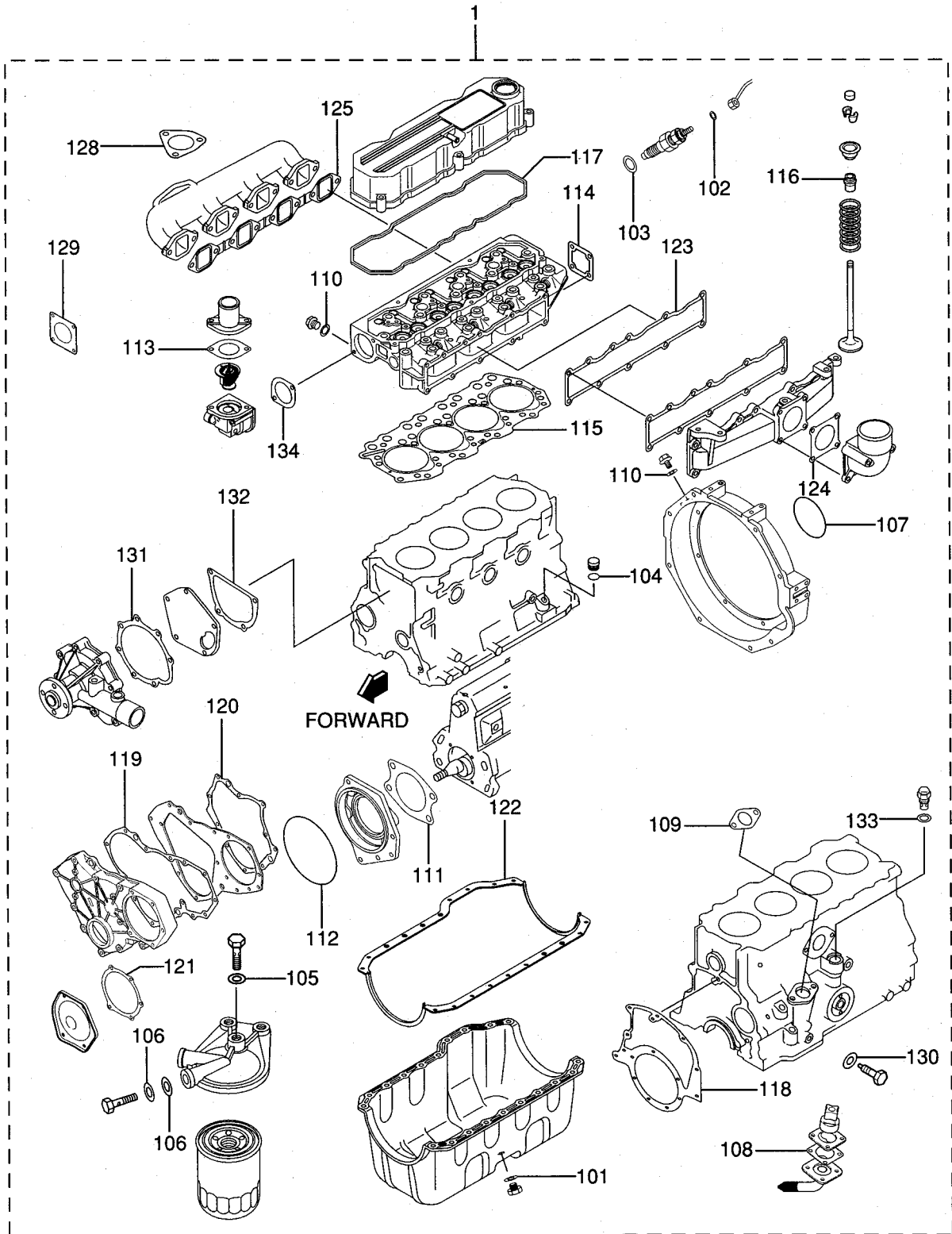
- 75-

REF. NO.	PART NO.	RSC / EN PGG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	MV / R
				1	2	3	4		
1	32A68-00302		ALTERNATOR ASSY A007T02077C MEC	1	1	1	1		
101	A981X-20771		NUT MM502565	1	1	1	1		
102	A628T-63370		PULLEY ASSY MM502579	1	1	1	1		
103	A414X-19271		BOLT SET MM502566	1	1	1	1		
104	A640X-67070		BRACKET ASSY, FRONT 47X11-02305	1	1	1	1		
105	A414X-21271		SCREW SET MM502568	1	1	1	1		
106	A930X-94570		BEARING, FRONT 47X11-02296	1	1	1	1		
107	A880X-83770		ROTOR ASSY 47X11-02311	1	1	1	1		
108	S930P-63670		BEARING, REAR MM502571	1	1	1	1		
109	A383X-56570		STATOR ASSY 47X11-02312	1	1	1	1		
110	A642X-A9970		BRACKET ASSY, REAR 47X11-02313	1	1	1	1		
111	A866X-44682		REGULATOR SET 47X11-02304	1	1	1	1		
112	A647X-50170		BRUSH SET MM502577	2	2	2	2		
113	A860T-40670		RECTIFIER ASSY MM502574	1	1	1	1		
114	A529X-07871		NUT SET MM502575	1	1	1	1		









- 1.S4Q-Y165DG
- 2.S4Q-Y165DP
- 3.S4Q2-Y165DG
- 4.S4Q2-Y165DP

OVERHAUL GASKET KIT

REF. NO.	PART NO.	RSC / EN PGG	PART NAME & DESCRIPTION	MODEL & QTY				APPLICABLE SERIAL NO.	MV / R
				1	2	3	4		
1	32C94-00052		GASKET KIT, (O/H)	1	1	1	1		
101	F4202-14000		GASKET	1	1	1	1		A
102	MD068355		GASKET, FUEL RETURN	4	4	4	4		A
103	MD070717		GASKET, HOLDER	4	4	4	4		A
104	05507-10110		O-RING	2	2	2	2		A
105	05946-00801		WASHER, SEALING	1	1	1	1		A
106	05946-01401		WASHER, SEALING	10	10	10	10		A
107	06016-13120		O-RING	1	1	1	1		A
108	30436-22401		GASKET, STRAINER	1	1	1	1		A
109	30625-50502		GASKET, TACHO DRIVE	1	1	1	1		A
110	30636-25901		GASKET	2	2	2	2		A
111	30661-51300		GASKET	1	1	1	1		A
112	31361-01300		O-RING	1	1	1	1		A
113	32A46-01400		GASKET, THERMOSTAT	1	1	1	1		
114	32C01-03100		GASKET, CYLINDER HEAD	1	1	1	1		A
115	32C01-12100		GASKET, CYLINDER HEAD	1	1	1	1		
116	32C04-06500		SEAL, VALVE STEM	8	8	8	8		
117	32C04-15500		GASKET, ROCKER COVER	1	1	1	1		
118	32C07-04200		GASKET, REAR	1	1	1	1		
119	32C11-01100		GASKET, GEAR CASE	1	1	1	1		
120	32C11-03100		GASKET, FRONT PLATE	1	1	1	1		
121	32C11-04100		GASKET, COVER	1	1	1	1		
122	32C13-11100		GASKET, OIL PAN	1	1	1	1		
123	32C30-00500		GASKET, INLET MANF	1	1	1	1		
124	32C30-01200		GASKET	1	1	1	1		A
125	32C32-00700		GASKET, EXHAUST	1	1	1	1		A
128	32C32-02100		GASKET, EXHAUST	1	1	1	1		A
129	32C32-03200		GASKET, MUFFLER	1	1	1	1		
130	32C35-00900		GASKET	1	1	1	1		A
131	32C45-00400		GASKET, WATER PUMP	1	1	1	1		
132	32C45-00500		GASKET	1	1	1	1		A
133	34340-00700		GASKET	1	1	1	1		A
134	34446-05300		GASKET	1	1	1	1		A

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.
A383X-5657068		75	109	F1805-1002061-01-02		45	24	MM316248	01-01	3	101
A414X-1927168		75	103		66-01	71	4		01-02	5	101
2127168		75	105	1002512		19	8		12	19	3
A529X-0787168		75	114	1003566-01		71	5		46-01	39	12
A628T-6337068		75	102	F1825-0602561-01-02		45	10		46-02	41	12
A640X-6707068		75	104	0803062		69	2		90	79	2
A642X-A997068		75	110	F2015-1003561-01-02		45	20	MM430614	61-01-02	45	9
A647X-5017068		75	112	F2300-0600087		77	4	MM430703	61-01-02	45	8
A860T-4067068		75	113	0800061-01-02		45	22	MM435-94101	61-02-01	47	1
A866X-4468268		75	111	1000012		19	6	MS661140	07-01	13	4
A880X-8377068		75	107	F2325-0800004-01		7	807		90	79	4
A930X-9457068		75	106	2400020-01		27	101	MS661142	07-01	13	11
A981X-2077168		75	101		20-02	29	101	M106X-43571	66-02	73	116
F1035-0802030		33	10	F2500-0600087		77	2	M135X-01581	66-02	73	106
1203520-01		27	5	F2515-0600087		77	3	M191X-67685	66-02	73	107
20-02		29	5	0800061-01-02		45	23	M230X-00671	66-02	73	108
F1805-0602030		33	7	1000012		19	7	M357X-66185	66-02	73	104
36		35	401	1200020-01		27	6	91874	66-02	73	103
36		35	404		20-02	29	6	M372X-07671	66-02	73	112
0801601-01		3	8	F2846-0500007-01		13	7	M385X-03771	66-02	73	111
01-02		5	8	0800007-01		13	201	M391X-04371	66-02	73	120
05		11	4		07-01	13	6	M414X-04875	66-02	73	113
11		17	3	1000020-01		27	102	M578X-29171	66-02	73	115
13		21	3		20-02	29	102	M605X-96571	66-02	73	110
0802001-01		3	9	F2870-0702205		11	2	M641X-B1574	66-02	73	101
01-02		5	9		20-01	27	103	M642X-35671	66-02	73	121
30		33	3		20-02	29	103	M648X-40771	66-02	73	123
36		35	3	F3202-0280017-01		23	8	M649X-20471	66-02	73	119
46-01		39	101		17-02	25	8	M690X-00572	66-02	73	102
46-02		41	101	F4202-1400013		21	101	M800X-73871	66-02	73	118
66-01		71	7		94	83	101	M863X-08673	66-02	73	109
0802261-01-02		45	25	F8665-0210092		81	1	M901X-00371	66-02	73	122
0802504-01		7	9	MC880900	90	79	5	M982X-38871	66-02	73	105
0802812		19	9	MD000269	07-01	13	9	S409S-0000866-02		73	114
0803546-01		39	16	MD001521	66-01	71	9	S930P-2997066-02		73	117
0804004-02		9	3	MD008784	04-02	9	4	6367068		75	108
11		17	6	MD068353	61-01-02	45	1	00434-0601061-01-02		45	26
46-01		39	3	MD068355	61-01-02	45	2	04826-2160007-01		13	3
46-02		41	3		94	83	102	2250001-01		3	201
0804546-01		39	9	MD070717	61-01-02	45	3	01-02		5	201
46-02		41	9		94	83	103	2350007-01		13	202
46-02		41	16	MD162326	40	37	3	05507-1011013		21	5
0805011		17	7	ME910325	62	69	4	94		83	104
0805511		17	11	ME910-3380162		69	3	05910-1003946-01		39	17
0806011		17	10	MF140026	66-01	71	8	46-02		41	17
46-01		39	4	MF140227	46-01	39	601	05946-0080162		69	106
46-02		41	4		46-02	41	601	94		83	105
0807546-01		39	8	MH037084	62	69	105	0140162		69	104
46-02		41	8	MH037087	62	69	103	94		83	106
1002023		31	5	MM130066	90	79	1	06016-1312094		83	107

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.
07711-08030		33	11	09031-10030	61-03	53	132	09098-90010	61-04-01	57	112
09001-80081	61-01-01	43	303	10040	61-03	53	132		61-04-02	61	112
80241	61-01-01	43	403	10050	61-03	53	132	09099-10010	61-04-01	57	113
09013-10330	61-03	53	103	10060	61-03	53	132		61-04-02	61	113
60020	61-03	53	104	10070	61-03	53	132	20410	61-04-01	57	131
70100	61-03	53	105	10080	61-03	53	132	20420	61-04-02	61	131
09014-00660	61-03	53	106	10090	61-03	55	132	30010	61-04-01	57	132
09015-02980	61-03	53	107	10100	61-03	55	132		61-04-02	61	132
60010	61-03	53	108	10110	61-03	55	132	09100-60150	61-04-01	57	108
70010	61-03	53	109	10120	61-03	55	132		61-04-02	61	108
09016-10330	61-03	53	110	10130	61-03	55	132	09101-11670	61-04-01	57	103
30191	61-03	53	111	10140	61-03	55	132		61-04-02	61	103
40090	61-03	53	112	10150	61-03	55	132	40090	61-04-01	57	104
50160	61-03	53	113	10290	61-03	55	132		61-04-02	61	104
09017-00070	61-03	53	114	09056-00170	61-04-01	57	117	60360	61-04-01	59	151
09018-90090	61-03	53	115		61-04-02	61	117		61-04-02	63	158
09019-10082	61-03	53	116	09081-00660	61-04-01	57	101	09102-40031	61-04-01	57	105
30020	61-03	53	117		61-04-02	61	101		61-04-02	61	105
40010	61-03	53	118	09082-30420	61-04-01	59	161	40211	61-04-02	61	106
40020	61-03	53	118		61-04-02	63	168	40260	61-04-01	57	106
40030	61-03	53	118	30460	61-04-01	59	160	09103-10030	61-04-01	59	146
40040	61-03	53	118		61-04-02	63	167		61-04-02	63	153
40050	61-03	53	118	09084-00570	61-04-02	61	122	10151	61-04-01	57	107
40060	61-03	53	118	00660	61-04-01	57	122		61-04-02	61	107
40110	61-03	53	118	40010	61-04-01	57	124	10260	61-01-01	43	311
40140	61-03	53	118		61-04-02	61	124		61-01-01	43	411
40150	61-03	53	118	09086-10010	61-04-01	57	125	10270	61-01-01	43	312
40290	61-03	53	118		61-04-02	61	125		61-01-01	43	412
40400	61-03	53	118	09087-80030	61-04-01	57	102	10280	61-01-01	43	313
09020-10300	61-03	53	119		61-04-02	61	102		61-01-01	43	413
60160	61-03	53	120	09088-00140	61-04-01	57	127	30030	61-04-01	59	157
09021-20020	61-03	53	121		61-04-02	61	127		61-04-02	63	164
50060	61-03	53	122	09089-20080	61-04-01	57	128	40161	61-04-01	59	156
09022-20070	61-03	53	123		61-04-02	61	128		61-04-02	63	163
09023-00050	61-03	53	124	40010	61-04-02	61	137	50240	61-04-01	59	154
09024-00010	61-03	55	137	09090-10150	61-04-01	57	110		61-04-02	63	161
10010	61-03	55	138		61-04-02	61	110	60010	61-04-01	59	155
	61-04-01	57	145	09091-01150	61-04-02	61	133		61-04-02	63	162
	61-04-02	63	152	10010	61-04-02	61	134	80030	61-04-01	59	158
20010	61-03	55	139	81950	61-04-02	61	135		61-04-02	63	165
30030	61-03	53	128	90010	61-04-02	61	136	80040	61-04-01	59	149
	61-03	55	140	09092-30011	61-04-02	61	139		61-04-02	63	156
40010	61-03	55	141	30060	61-04-01	57	118	80050	61-04-01	59	153
09025-10010	61-03	53	126		61-04-02	61	118		61-04-02	63	160
09027-01460	61-03	53	127	09093-00041	61-04-01	57	111	09104-30010	61-04-01	59	152
20210	61-03	53	131		61-04-02	61	111		61-04-02	63	159
50182	61-03	53	130	09094-40310	61-04-01	57	109	09105-00491	61-04-01	57	141
60030	61-03	53	129		61-04-02	61	109	10930	61-04-02	63	148
09031-10010	61-03	53	132	09097-00170	61-04-01	57	119	09107-11930	61-04-01	57	136
10020	61-03	53	132		61-04-02	61	119		61-04-02	63	143

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.
09109-40060	61-04-01	57	138	09317-51690	61-02-02	49	107	09317-52090	61-02-02	49	107
	61-04-02	63	145	51700	61-02-02	49	107	09340-05060	61-02-01	47	106
80950	61-04-01	57	139	51710	61-02-02	49	107	19011-05060	61-03	53	101
	61-04-02	63	146	51720	61-02-02	49	107	30A43-00100	04-02	9	5
09116-70050	61-04-01	57	144	51730	61-02-02	49	107	30L07-00700	07-01	13	10
	61-04-02	63	151	51740	61-02-02	49	107	30405-31403	05	11	3
09212-00161	61-05-01	65	101	51750	61-02-02	49	107	30435-33201	36	35	406
	61-05-02	67	101	51760	61-02-02	49	107	30436-22401	36	35	402
10011	61-05-01	65	103	51770	61-02-02	49	107	94		83	108
	61-05-02	67	103	51780	61-02-02	49	107	30448-50200	46-02	41	14
40010	61-05-01	65	104	51790	61-02-02	49	107	30604-21402	04-01	7	3
	61-05-02	67	104	51800	61-02-02	49	107	31601	04-01	7	4
50010	61-05-01	65	105	51810	61-02-01	47	102	30607-52400	07-01	13	203
	61-05-02	67	105		61-02-02	49	107	30611-23102	11	17	8
70010	61-05-01	65	106	51820	61-02-02	49	107	31700	11	17	12
	61-05-02	67	106	51830	61-02-01	47	102	30613-60600	13	21	102
09213-00220	61-05-01	65	107		61-02-02	49	107	30617-70011	17-01	23	4
	61-05-02	67	107	51840	61-02-02	49	107		17-02	25	4
09216-80150	61-05-01	65	102	51850	61-02-01	47	102	71011	17-01	23	5
	61-05-02	67	102		61-02-02	49	107		17-02	25	5
09217-10011	61-05-01	65	119	51860	61-02-02	49	107	72011	17-01	23	6
	61-05-02	67	119	51870	61-02-01	47	102		17-02	25	6
40030	61-05-01	65	110		61-02-02	49	107	30619-10501	17-01	23	901
	61-05-02	67	110	51880	61-02-02	49	107		17-02	25	901
60010	61-05-01	65	111	51890	61-02-01	47	102	30620-22500	20-01	27	2
	61-05-02	67	111		61-02-02	49	107		20-02	29	2
80010	61-05-01	65	112	51900	61-02-02	49	107	30621-61300	20-01	27	401
	61-05-02	67	112	51910	61-02-01	47	102		20-02	29	401
90050	61-05-01	65	113		61-02-02	49	107	30623-33401	23	31	301
	61-05-02	67	113	51920	61-02-02	49	107	30625-35020	36	35	1
09218-20020	61-05-01	65	115	51930	61-02-01	47	102	35100	36	35	102
	61-05-02	67	115		61-02-02	49	107	35201	36	35	101
40021	61-05-01	65	117	51940	61-02-02	49	107	50502	36	35	2
	61-05-02	67	117	51950	61-02-01	47	102	94		83	109
09222-00040	61-05-01	65	118		61-02-02	49	107	30636-25901	01-01	3	102
	61-05-02	67	118	51960	61-02-02	49	107		01-02	5	102
30070	61-05-01	65	108	51970	61-02-01	47	102	12		19	4
	61-05-02	67	108		61-02-02	49	107	46-01		39	13
09311-03840	61-02-01	47	101	51980	61-02-02	49	107	46-02		41	13
05480	61-02-02	49	102	51990	61-02-01	47	102	90		79	3
09312-10380	61-02-01	47	104		61-02-02	49	107	94		83	110
	61-02-02	49	103	52000	61-02-02	49	107	30661-50802	61-01-02	45	28
70310	61-02-01	47	103	52010	61-02-02	49	107	51300	61-01-02	45	19
70360	61-02-02	49	104	52020	61-02-02	49	107	94		83	111
09316-41351	61-02-01	47	107	52030	61-02-02	49	107	53800	61-05-02	67	121
	61-02-02	49	105	52040	61-02-02	49	107	30666-57400	92	81	2
09317-40070	61-02-01	47	105	52050	61-02-02	49	107	31304-11700	04-01	7	6
	61-02-02	49	106	52060	61-02-02	49	107	31361-01300	61-01-02	45	18
51670	61-02-02	49	107	52070	61-02-02	49	107	94		83	112
51680	61-02-02	49	107	52080	61-02-02	49	107	32A01-01600	01-01	3	202

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.
32A01-016000	01-02	5	202	32C01-0310094		83	114	32C17-0010217-01		23	1
32A04-024000	04-01	7	806	033000	01-01	3	5	0020217-01		23	2
042000	04-01	7	803		01-02	5	5	0030217-01		23	3
043000	04-01	7	811	034000	01-01	3	6	0410017-01		23	7
32A05-021010	05	11	5		01-02	5	6	17-02		25	7
131000	05	11	6	042000	01-01	3	205	0510017-02		25	1
32A07-015010	07-01	13	5		01-02	5	205	0520017-02		25	2
069001	02	19	5	110410	01-02	5	1	0530017-02		25	3
32A19-004001	17-01	23	902	121000	01-01	3	4	32C19-0001217-02		25	9
	17-02	25	902		01-02	5	4	0002217-01		23	9
090101	17-01	23	10	94		83	115	0110017-01		23	903
	17-02	25	10	141000	01-01	3	204	17-02		25	905
090201	17-01	23	11		01-02	5	204	32C20-0301020-01		27	1
	17-02	25	11	210110	01-01	3	1	0306020-02		29	1
090301	17-01	23	12	32C03-012000	01-01	3	207	0310120-01		27	3
	17-02	25	12	014000	01-02	5	207	20-02		29	3
090401	17-01	23	13	32C04-000220	04-01	7	8	32C21-0204120-01		27	4
	17-02	25	13	001000	04-01	7	1	20-02		29	4
32A36-0501240		37	1	010100	04-01	7	801	32C23-0030020-01		27	105
32A45-021004	46-01	39	5	011000	04-01	7	2	20-02		29	105
	46-02	41	5	020100	04-01	7	804	0360007-01		13	8
32A46-011014	46-01	39	602	045000	04-01	7	810	1110023		31	1
	46-02	41	602	061000	04-01	7	809	1220023		31	2
014004	46-01	39	603	065000	04-01	7	7	1301023		31	3
	46-02	41	603	94		83	116	32C30-0050030		33	2
94		83	113	146020	04-01	7	808	94		83	123
021004	46-01	39	604	150100	04-02	9	1	0110030		33	4
	46-02	41	604	155000	04-02	9	2	0120030		33	5
031004	46-01	39	11	94		83	117	94		83	124
	46-02	41	11	32C05-101000	05	11	1	0850030		33	6
100304	46-01	39	605	32C07-042001	2	19	2	2001030		33	1
	46-02	41	605	94		83	118	32C32-0070030		33	9
200404	46-01	39	6	110140	07-01	13	1	94		83	125
	46-02	41	6	32C09-010100	07-02	15	1	0210094		83	128
32A66-031006	66-01	71	1	010200	07-02	15	2	0320094		83	129
206016	66-02	73	1	010300	07-02	15	3	0380092		81	3
32A68-0030268		75	1	010400	07-02	15	4	1040030		33	8
32A87-0530087		77	5	32C11-002011		17	4	32C35-0090036		35	6
0540087		77	6	011001		17	5	94		83	130
0550087		77	701	94		83	119	0102136		35	403
1510087		77	702	021001		17	1	3001036		35	4
1701087		77	7	031001		17	2	32C36-0010061-01-02		45	27
32B65-095106	61-01-01	43	310	94		83	120	2020036		35	421
	61-01-01	43	410	041001		17	9	32C42-0130013		21	4
32C01-016000	01-01	3	203	94		83	121	32C45-0002346-01		39	1
	01-02	5	203	32C12-201001	2	19	1	46-02		41	1
025000	01-01	3	3	32C13-000101	3	21	1	0030046-01		39	108
	01-02	5	3	009001	3	21	6	46-02		41	108
031000	01-01	3	7	111001	3	21	2	0040046-01		39	109
	01-02	5	7	94		83	122	46-02		41	109

NUMERICAL PARTS INDEX

PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.	PART NO.	GRP NO.	PAGE	REF. NO.
32C45-0040094		83	131	36748-0110046-02		41	15	94904-3001061-03		53	102
0050046-01		39	2	85265-0007861-05-01		65	120	3225061-04-01		57	140
46-02		41	2	61-05-02		67	120	61-04-02		63	147
94		83	132	0007961-05-01		65	109	7119061-04-01		57	137
32C46-0150046-01		39	10	61-05-02		67	109	61-04-02		63	144
46-02		41	10	90160-0605161-03		55	133	7136061-03		55	135
32C48-0040046-01		39	14	90190-0805161-04-01		57	115	7175061-04-01		57	134
0110146-01		39	15	61-04-02		61	115	61-04-02		61	141
32C61-0110161-01-02		45	4	90258-0600161-03		55	134	7176061-04-01		57	133
0120161-01-02		45	5	90400-0210161-04-01		57	114	61-04-02		61	140
0130161-01-02		45	6	61-04-02		61	114	7270161-04-01		57	142
0140161-01-02		45	7	90801-1012061-04-01		59	164	61-04-02		63	149
0150161-01-02		45	13	61-04-02		63	171	94905-0245061-01-01		43	304
0160161-01-02		45	14	2016061-04-01		57	129	61-01-01		43	404
0170161-01-02		45	15	61-04-02		61	129	0339061-04-01		59	162
0180161-01-02		45	16	91418-0614161-04-01		57	143	61-04-02		63	169
0410061-01-02		45	11	61-04-02		63	150	94906-2127061-04-01		59	148
0520261-01-02		45	17	0616161-01-01		43	309	61-04-02		63	155
0600061-02-02		49	1	61-01-01		43	409	94907-1009061-04-01		57	130
0601061-02-02		49	101	91518-0822161-01-01		43	308	61-04-02		61	130
0810061-01-02		45	21	61-01-01		43	408	2094061-05-01		65	114
1330061-01-02		45	12	94805-3005161-04-01		57	116	61-05-02		67	114
32C65-0406061-01-01		43	1	61-04-02		61	116	2150061-01-01		43	315
0407061-01-01		43	3	94901-3388061-04-02		61	138	61-01-01		43	415
0408061-01-01		43	2	3402061-04-02		61	138	94910-0001061-04-01		57	120
0409061-01-01		43	4	3403061-04-02		61	138	61-04-02		61	120
32C66-0010166-01		71	2	3404061-04-02		61	138	1012061-03		55	136
32C68-0010066-01		71	3	3406061-04-01		57	126	94913-0003061-04-01		59	159
0110066-01		71	6	61-04-02		61	126	61-04-02		63	166
32C94-0005294		83	1	3407061-04-01		57	126	0005061-04-01		57	121
34120-7420020-01		27	106	61-04-02		61	126	61-04-02		61	121
20-02		29	106	3408061-04-01		57	126	0019061-01-01		43	305
34287-0260287		77	1	61-04-02		61	126	61-01-01		43	405
34323-0080123		31	4	3409061-04-01		57	126	94914-0013061-04-01		59	150
34340-0070040		37	2	61-04-02		61	126	61-04-02		63	157
94		83	133	3410061-04-01		57	126	0038061-03		55	142
34404-0290104-01		7	5	61-04-02		61	126	0214161-01-01		43	314
34407-1109012		19	10	3788061-04-02		61	138	61-01-01		43	414
34435-0220036		35	5	5050061-01-01		43	306	0257061-03		53	125
34446-0530046-01		39	7	61-01-01		43	406	94915-0021061-04-01		57	135
46-02		41	7	61-04-01		57	123	61-04-02		63	142
94		83	134	61-04-02		61	123	94918-0006061-03		55	143
34461-0905061-01-01		43	307	8102061-01-01		43	316	0031061-03		55	144
61-05-01		65	1	61-01-01		43	416				
0906061-01-01		43	407	61-04-01		59	163				
61-05-02		67	1	61-04-02		63	170				
34462-0001162		69	1	8124061-05-01		65	116				
0020162		69	101	61-05-02		67	116				
0030062		69	102	8155061-04-01		59	147				
34661-0200061-02-02		51	108	61-04-02		63	154				

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,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	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,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	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,W/WASHER

BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	BOLT/WASHER	BOLT,W/WASHER	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				