

 **DAEWOO HEAVY INDUSTRIES & MACHINERY LTD.**

본 사 : 인천광역시 동구 화수동 7-11번지
전 화 : (032)760-1114(대)

HEAD OFFICE : 7-11, Hwasu-dong, dong-gu, Incheon, Korea
Tel : (032)760-1114

[http : //www.dhiltld.co.kr](http://www.dhiltld.co.kr)



65.99898-8053A

V158T1, V180T1, V222T1, AD158T1, AD180T1, AD222T1

Parts Book

Parts Book

MARINE ENGINE

V158T1, V180T1, V222T1

MARINE GENERATOR ENGINE

AD158T1, AD180T1, AD222T1

FOREWORD

- **V158TI, AD158TI, V180TI, AD180TI, V222TI, AD222TI**

1. 가

1) : V158TI

2) : EBZKM200001

3) : 65.01201-7498

4) :

5) : 1

6) :

2.

:

:

:

『 』

『 』

『 』

1

1

B :

D :

R :

S :

G : (Grade) 가

OP :

EX :

OS :

US :

(OS, US)

* : 가 (-)

Y :

O :

C :

N :

2002. 3.

- This parts list is shown the equipment components parts of ^㉞DAEWOO Marine Engine V158TI, AD158TI, V180TI, AD180TI, V222TI, AD222TI_㉞.

1. HOW TO ORDER PARTS

When ordering parts, please specify the following items as shown in the following example.

- Ex. 1) Model of Machine : V158TI
 2) Machine Serial No. : EBZKM200001 Shown on cylinder block
 3) Part No. : 65.01201-7498
 5) Description : Crank shaft ass'y
 6) Q'ty : 1
 7) Purchaser's Name and Address:

2. HOW TO USE THIS PARTS LIST

- Key No. : Key No. Shows the referring number of illustration.
- Parts No. : Part No. is it's own number.
- Description : Part name. There is printed information such as size, specification with the part name or not. Components parts of one assembling part are shown with "•" mark and shown below of an assembling part. Also, if the components parts marked "•" consist of further components parts, these further component parts are with "••".
- Q'ty : "Q'ty" shows the quantity used for one machine, however "Q'ty" of component parts shows the quantity used for one assembling part.
- Service code : Abbreviation is service code of parts has its own meaning as shown below.
- B** : The parts with this abbreviation show that they require some work on them before installing in the machine.
- D** : The part with this abbreviation is a component of an assembling part and is not available independently. The assembling part containing this part should be orderd.
- R** : The part with this abbreviation shows that the quantity of the part is changed depending on the machine, such as an adjusting shim etc.
- S** : This part is specially provided as a service part, which was not provided in the machine before shipping from the factory.
- G** : This part needs special care(grade control) to perform the maintenance job. Before order, the grade of the paart should be confirmed(It should be same with the grade of matching part.)
- OP** : Optional parts.
- EX** : Specific design parts.
- OS** : Over-sized parts.
- US** : Under-sized parts.
- (Part with abbreviation "OS" or "US" is described on the line below the standard sized part).
- *** : The part with this abbreviation is not supplied for A/S.
- I C A : ICA shows the interchangeability between the original and the improved parts. The improved part shows below the original part and with same key No. (key No.shows by - .)
- Abbreviations used in this column are as follows ;
- Y** : This part with "Y" in the ICA column can be used original and improved part.
- O** : This part with "O" in the ICA column can not use improved part, use only this part.
- C** : This part with "C" in the ICA column can be used instead of improved part but not vice versa.
- N** : This part with "N" in the ICA column can not use interchange, use only part of Serial No.
- Serial No. : Serial No. shows the machine serial number which the parts were applied. Parts without any applicable serial number are used in every machine.

- When repairing, it is recommended to use our standard parts.
- Researching the parts from Part No., see the Parts Index in finish of this parts list.
- Parts may be altered in a constant effort to improve machines. Then, it is recommended that customers contact our after service center.

Mar. 2002.

CONTENTS

Fig.001	Cylinder Block	2
002	Flywheel Housing	6
003	(1)Oil Separator(1)	8
004	(2)Oil Separator(2)	10
005	Crank Shaft	12
006	Piston	14
007	Cylinder Head	16
008	Cam Shaft	18
009	(1)Oil Pump(1)	20
010	(2)Oil Pump(2)	22
011	(1)Oil Drain Pump(1)	24
012	(2)Oil Drain Pump(2)	26
013	Oil Filter	28
014	(1)Oil Cooler(1)	30
015	(2)Oil Cooler(2)	32
016	Oil Pipe	34
017	(1)Oil Pan(1)	36
018	(2)Oil Pan(2)	38
019	Oil BY-Pass Filter	40
020	Heat Exchanger	42
021	(1)Cooling Water Pipe(1)	44
022	(2)Cooling Water Pipe(2)	46
023	(3)Cooling Water Pipe(3)	50
024	(1)Cooling Water Pump(1)	52
025	(2)Cooling Water Pump(2)	54
026	Exhaust Manifold	56
027	Intake Manifold	58
028	Turbo Charger	62
029	Nozzle Holder	64
030	Fuel Injection Pump	68
031	Fuel Hose	70

Fig.032	(1)Fuel Injection Pipe(1)	72
033	(2)Fuel Injection Pipe(2)	74
034	(3)Fuel Injection Pipe(3)	76
035	Fuel Filter	78
036	Exhaust Pipe	80
037	Lifting Hook	82
038	Engine Stop	84
039	Alternator	86
040	Battery	88
041	Control	90
042	Starter	92
043	Clutch	94
044	Chock Liner	96
045	(1)Gauge Panel(1)	98
046	(2)Gauge Panel(2)	100
047	(1)Electric Wire(1)	102
048	(2)Electric Wire(2)	104
049	Idle Pulley	106

- (Index)
- / (After Service Network)
- / (Guide for DHI's Products)
- (Worldwide Network)

Fig.001 CYLINDER BLOCK

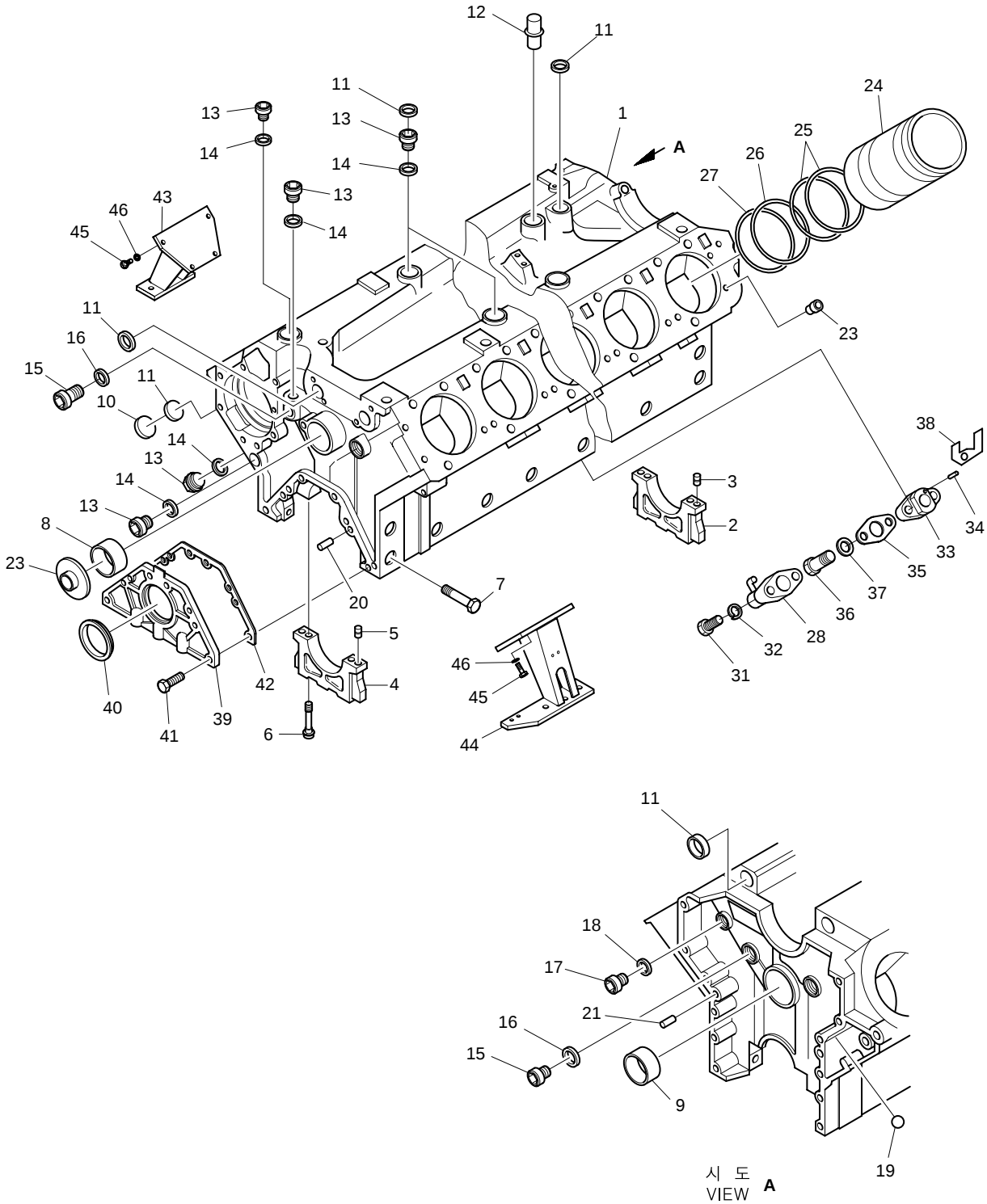


Fig.001 CYLINDER BLOCK

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
001-	51.01102-6035		CYL. BLOCK ASS 'Y	1	1	-	-	-	-			
-	65.01102-6037		CYL. BLOCK ASS 'Y	-	-	1	1	-	-			
-	65.01102-6056		CYL. BLOCK ASS 'Y	-	-	-	-	1	1			
1	51.01102-6233		CYL. BLOCK ASS 'Y	1	1	-	-	-	-			
-	65.01102-6234		CYL. BLOCK ASS 'Y	-	-	1	1	-	-			
-	65.01102-6235		CYL. BLOCK ASS 'Y	-	-	-	-	1	1			
-	51.01101-0450	•	• CYL. BLOCK	1	1	-	-	-	-	D		
-	65.01101-0451	•	• CYL. BLOCK	-	-	1	1	-	-	D		
-	65.01101-0462	•	• CYL. BLOCK	-	-	-	-	1	1	D		
2	65.01105-6014	•	• BEARING CAP ASS 'Y	1	1	1	1	1	1	D		
3	65.91301-0071	• •	• • PIN	2	2	2	2	2	2			
4	65.01105-6013	•	• BEARING CAP ASS 'Y	4	4	5	5	6	6	D		
5	06.22022-3061	• •	• • PIN ; DOWEL 8H8×18	8	8	10	10	12	12			
6	65.90020-0293	•	• BOLT ; BEARING CAP(MAIN)	12	12	12	12	14	14			
7	06.01494-4316	•	• BOLT ; HEX. M12×1.5×85	10	10	12	12	14	14			
8	65.04410-0078	•	• BUSH ; CAM SHAFT	4	4	5	5	6	6			
9	65.04410-0079	•	• BUSH ; CAM SHAFT(TH)	1	1	1	1	1	1			
10	65.91606-0037	•	• PLUG ; CORE HOLE	2	2	3	3	4	4			
11	65.91606-0039	•	• PLUG ; CORE	10	10	10	10	13	13			
12	65.05701-0140	•	• PIPE ; OIL SEPARATOR	1	1	1	1	1	1			
13	65.90310-0149		SCREW ; PLUG M26×1.5	6	6	5	5	8	8			
14	06.56190-0726		RING ; SEAL 26×31	6	6	5	5	8	8			
15	65.90310-0134		PLUG ; SCREW	2	2	4	4	4	4			
16	06.56190-0732		RING ; SEAL A30×36	2	2	4	4	4	4			
17	65.90310-0131		PLUG ; SCREW	1	1	1	1	1	1			
18	06.56190-0713		RING ; SEAL A18×24	1	1	1	1	1	1			
19	06.31641-0615		BALL ; STEEL 1/4	1	1	1	1	1	1			
20	06.22022-1063		PIN ; DOWEL 8M6×24	2	2	2	2	2	2			
21	06.22022-3563		PIN ; DOWEL 16H8×24	2	2	2	2	2	2			
22	65.91605-0013		COVER	1	1	1	1	1	1			
23	65.91701-0274		PIN ; LOCATING	16	16	20	20	24	24			
24	65.01201-0312B		LINER ; CYLINDER	8	8	10	10	12	12			
25	65.96501-0059	O- ()	O-RING ; CYL.LINER(UPPER)	16	16	20	20	24	24			
26	51.96501-0412	O-	O-RING	8	8	10	10	12	12			
27	65.96501-0078	O- ()	O-RING (LOW)	8	8	10	10	12	12			
28	65.01601-5065		OIL SPRAY NOZZLE ASS 'Y	8	8	10	10	12	12			
29	65.90310-0135		PLUG ; SCREW	1	1	1	1	1	1			
30	06.56190-0706		RING ; SEAL A14×20	1	1	1	1	1	1			
31	65.90001-0129		BOLT ; HEX. M6×28	16	16	20	20	24	24			
32	06.16044-0208		WASHER ; SPRING B6	16	16	20	20	24	24			
33	65.01601-2016A		FLANGE ASS 'Y	8	8	10	10	12	12			
34	06.22180-0804		PIN	8	8	10	10	12	12			
35	65.96601A0237	가	GASKET	8	8	10	10	12	12			
36	65.98150-0051		SCREW ; HOLLOW	8	8	10	10	12	12			
37	06.56190-0706		RING ; SEAL A14×20	8	8	10	10	12	12			

Fig.001 CYLINDER BLOCK

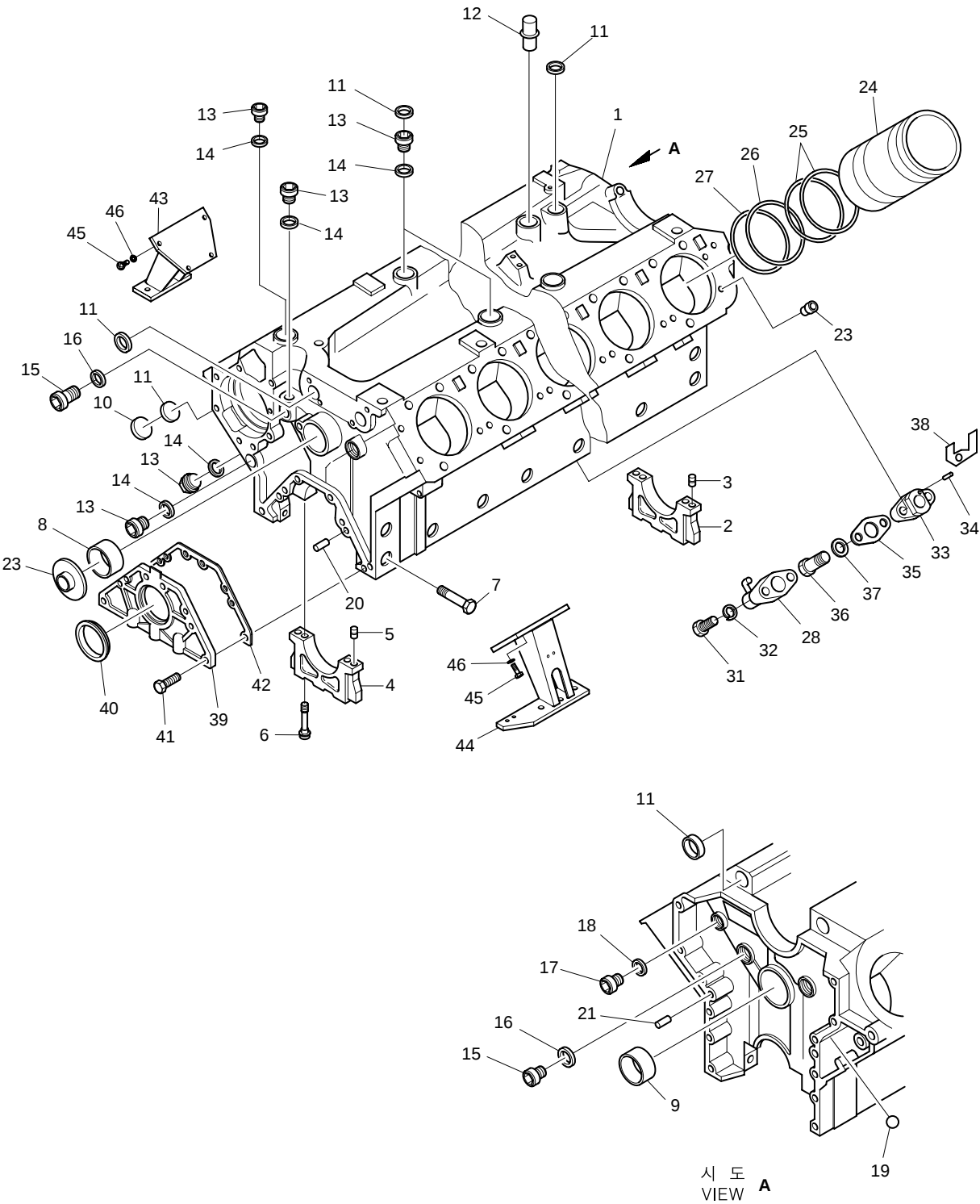


Fig.001 CYLINDER BLOCK

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
001-38	65.01803-0007		PLATE ; BAFFLE	1	1	1	1	1	1			
39	65.01501-5017B		HOLDER ; OIL SEAL	1	1	1	1	1	1			
40	51.01510-0153		OIL SEAL	1	1	1	1	1	1			
41	06.01923-3116		BOLT ASS 'Y M8×28	6	6	6	6	6	6			
42	65.01903A0152	가	GASKET ; SEAL HOLDER	1	1	1	1	1	1			
43	65.41530-5081		BRACKET ; ENGINE MOUNTING	1	1	1	1	1	1			
44	65.41530-5087		BRACKET ; ENGINE MOUNTING	1	1	1	1	1	1			
45	06.01913-3318		BOLT ; HEX. M12×1.75×35	8	8	8	8	8	8			
46	06.16731-2109		WASHER ; SPRING A12	1	1	1	1	1	1			

Fig.002 FLYWHEEL HOUSING

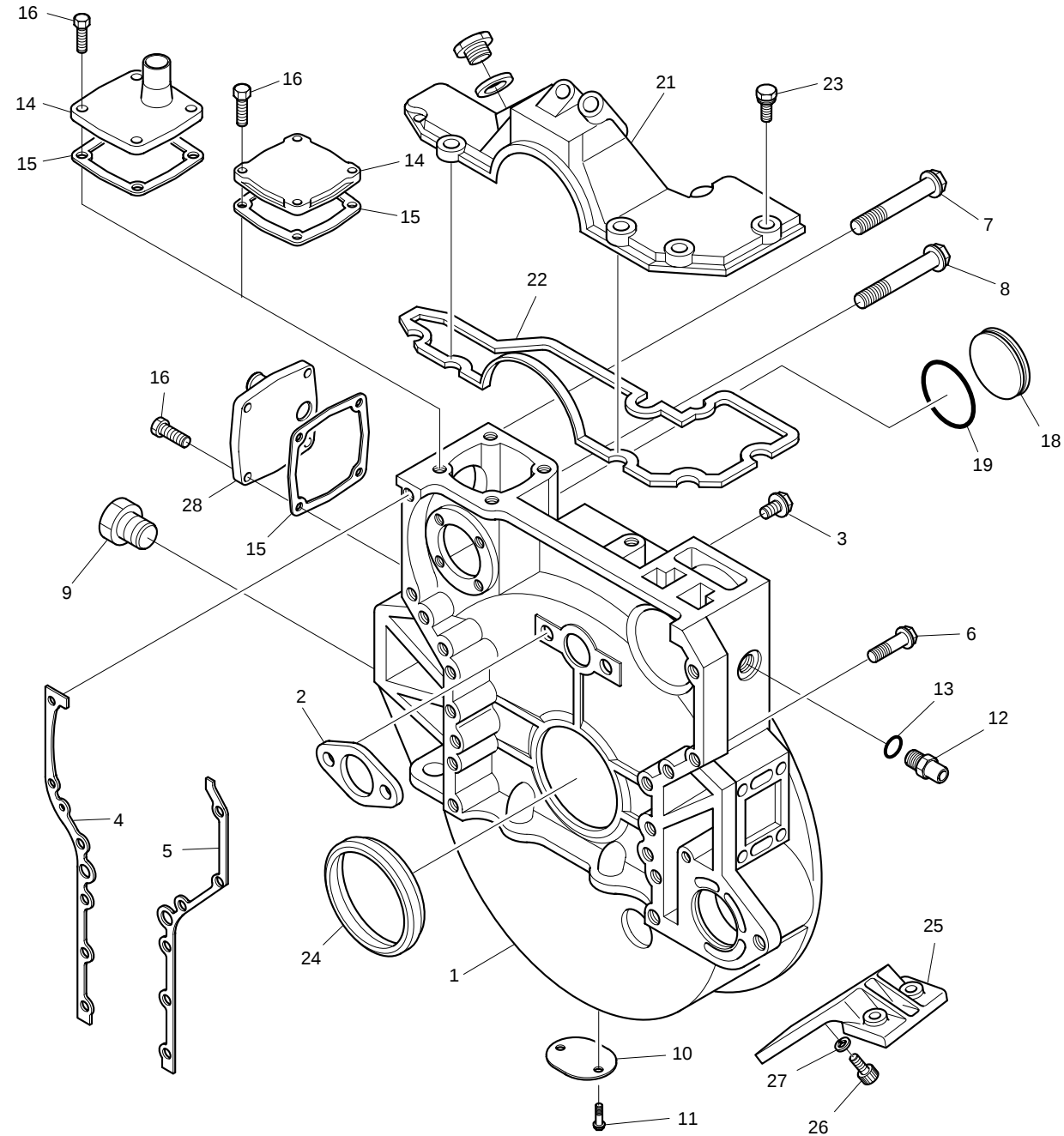


Fig.002 FLYWHEEL HOUSING

[illegible]

Fig.003 OIL SEPARATOR(1)

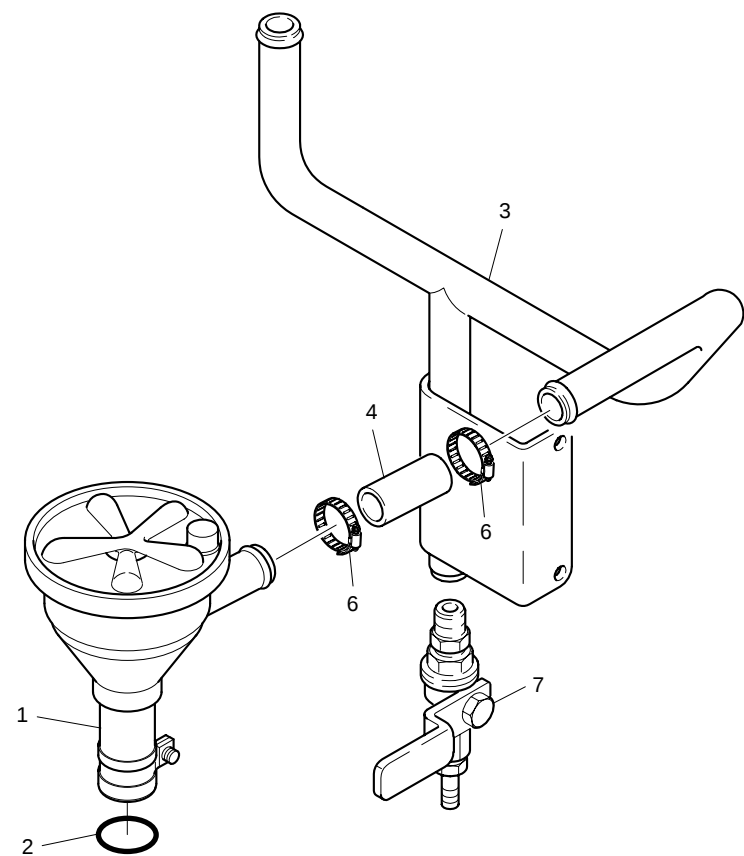


Fig.003 OIL SEPARATOR(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
003-1	51.01804-7026		SEPARATOR	1	1	1	1	-	-			
2	65.96501-0032B	O-	O-RING	1	1	1	1	-	-			
3	65.01802-5023		PIPE ; BREATHER	1	1	1	1	-	-			
4	65.96301-0261		HOSE ; SIL. D28×80	1	1	1	1	-	-			
6	06.67020-0106		CLAMP ; HOSE NW S20 DS-G	2	2	2	2	-	-			
7	60.98201-7008		VALVE ; DRAIN	1	1	1	1	-	-			

Fig.004 OIL SEPARATOR(2)

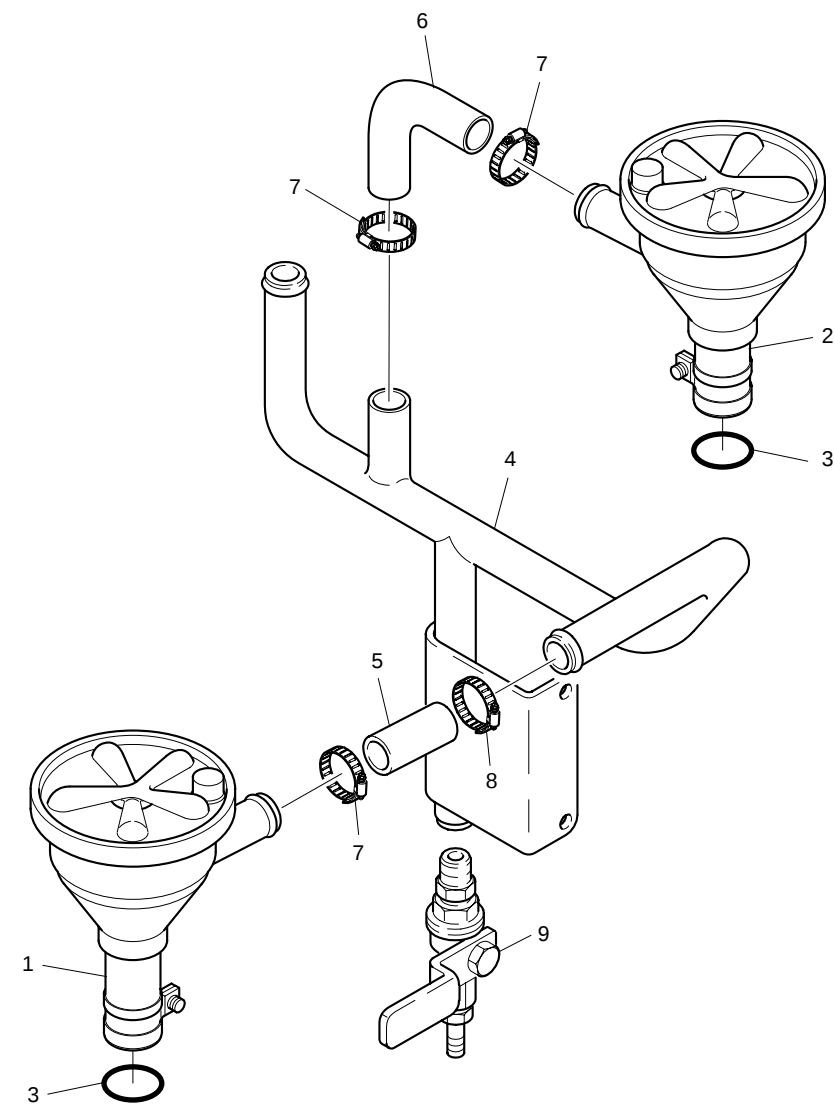


Fig.004 OIL SEPARATOR(2)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
004-1	51.01804-7026	O-	SEPARATOR	-	-	-	-	1	1			
2	51.01804-7023		SEPARATOR	-	-	-	-	1	1			
3	65.96501-0032B		O-RING	-	-	-	-	2	2			
4	65.01802-5028		PIPE ; BREATHER	-	-	-	-	1	1			
5	65.96301-0339		HOSE ; RUBBER	-	-	-	-	1	1			
6	65.96301-0340		HOSE ; ELBOW	-	-	-	-	1	1			
7	06.67020-0106		CLAMP ; HOSE NW S20 DS-G	-	-	-	-	3	3			
8	06.67020-0101		CLAMP ; HOSE NW S20 DS-G	-	-	-	-	1	1			
9	60.98201-7008		VALVE ; DRAIN	-	-	-	-	1	1			

Fig.005 CRANK SHAFT

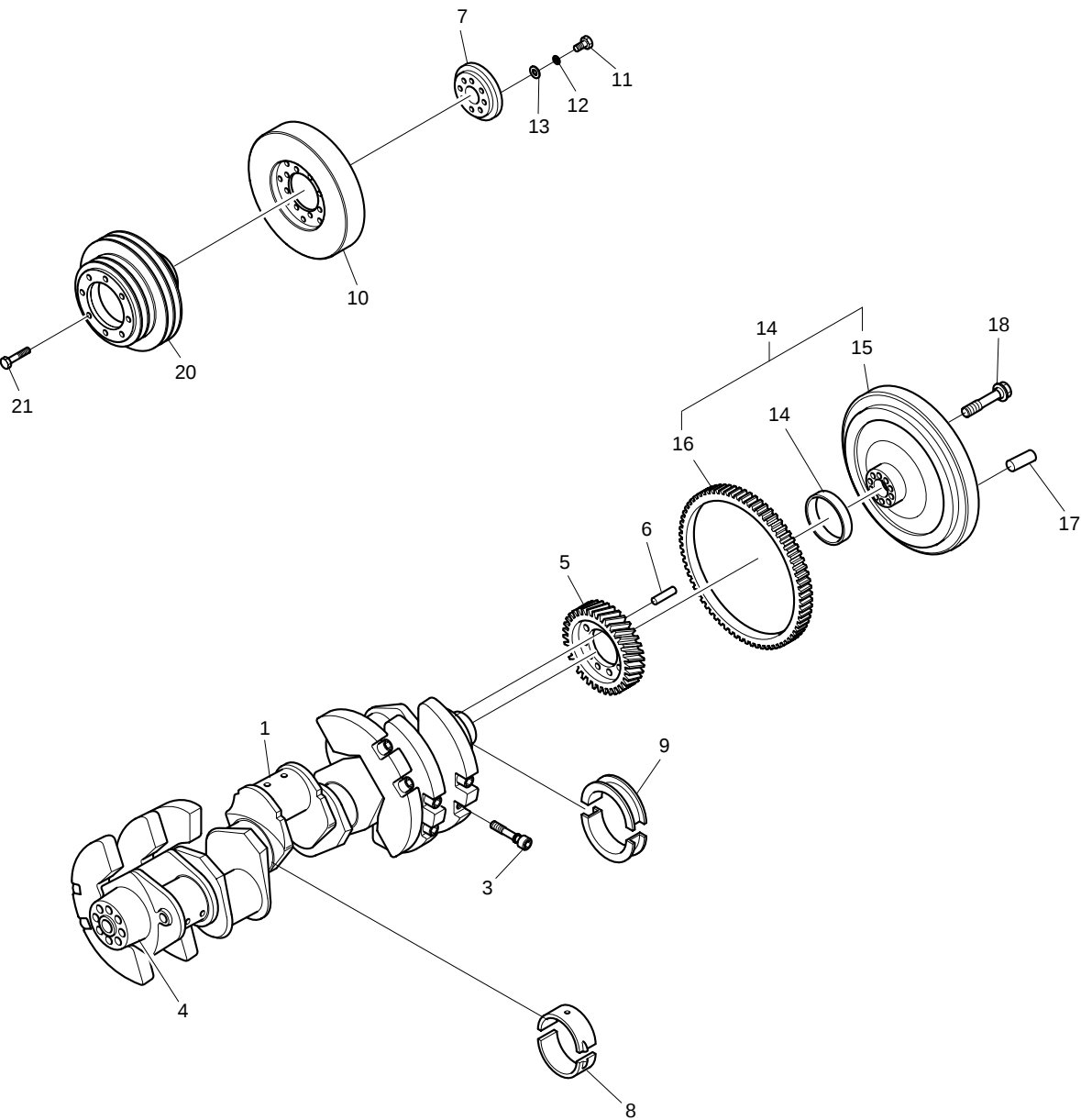


Fig.005 CRANK SHAFT

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
005-1	65.02101-7498		CRANK SHAFT ASS'Y	1	1	-	-	-	-			
-	65.02101-0384		CRANK SHAFT ASS'Y	1	1	-	-	-	-			
-	65.02101-7537		CRANK SHAFT ASS'Y	-	-	1	1	-	-			
-	65.02101-0410		CRANK SHAFT	-	-	1	1	-	-			
-	65.02101-7539		CRANK SHAFT ASS'Y	-	-	-	-	1	1			
-	65.02101-0411		CRANK SHAFT	-	-	-	-	1	1			
2	65.02110-0101A		WEIGHT ; BALANCE	4	4	-	-	-	-			
-	65.02110-0104A		WEIGHT ; BALANCE	2	2	-	-	-	-			
-	65.02110-0118		WEIGHT ; BALANCE	-	-	8	8	6	6			
-	65.02110-0102		WEIGHT ; BALANCE	-	-	2	2	-	-			
3	65.90030-0048A		BOLT ; BALANCE WEIGHT	12	12	-	-	12	12			
-	65.90030-0046A		BOLT ; BALANCE WEIGHT	-	-	20	20	-	-			
4	65.02130-0001		RING ; WEAR. (FRONT)	1	1	1	1	1	1			
5	65.02115-0066		GEAR ; CRANK SHAFT	1	1	1	1	1	1			
6	06.22022-3065		PIN ; PARALLER	1	1	1	1	1	1			
7	65.01505-0007		RING ; OIL THROWER	1	1	1	1	1	1			
8	65.01110-6529		BEARING ; MAIN	4	4	5	5	6	6			
9	65.01111-6539		BEARING ; THRUST	1	1	1	1	1	1			
10	65.02201-0045		DAMPER ; VIBRATION	-	-	1	1	1	1			
-	65.02201-7031		DAMPER ; VISCOUS	1	1	-	-	-	-			
11	65.90020-0062B		BOLT ASS'Y M10×20	6	6	-	-	-	-			
-	06.02101-0613		BOLT ; SOCKET HEAD	-	-	8	8	8	8			
12	06.16110-0108		WASHER ; SPRING	-	-	8	8	8	8			
13	06.15030-0515		WASHER ; PLAIN	-	-	8	8	8	8			
14	65.02301-5014		FLYWHEEL ASS'Y	1	1	1	1	1	1			
15	65.02301-0303C		FLYWHEEL	1	1	1	1	1	1			
16	65.02310-0073C		GEAR ; RING	1	1	1	1	1	1			
17	65.91303-0005		PIN ; TAPER	1	1	1	1	1	1			
18	65.90020-0127		BOLT ; FLYWHEEL	10	10	10	10	10	10			
19	65.02130-0013	()	RING ; WEAR.(REAR)	1	1	1	1	1	1			
20	65.02601-0322		PULLEY ; CRANK SHAFT	-	-	1	1	1	1			
-	65.02601-0165A		PULLEY ; CRANK SHAFT	1	1	-	-	-	-			
21	06.02106-0824		BOLT	8	8	8	8	8	8			

Fig.006 PISTON

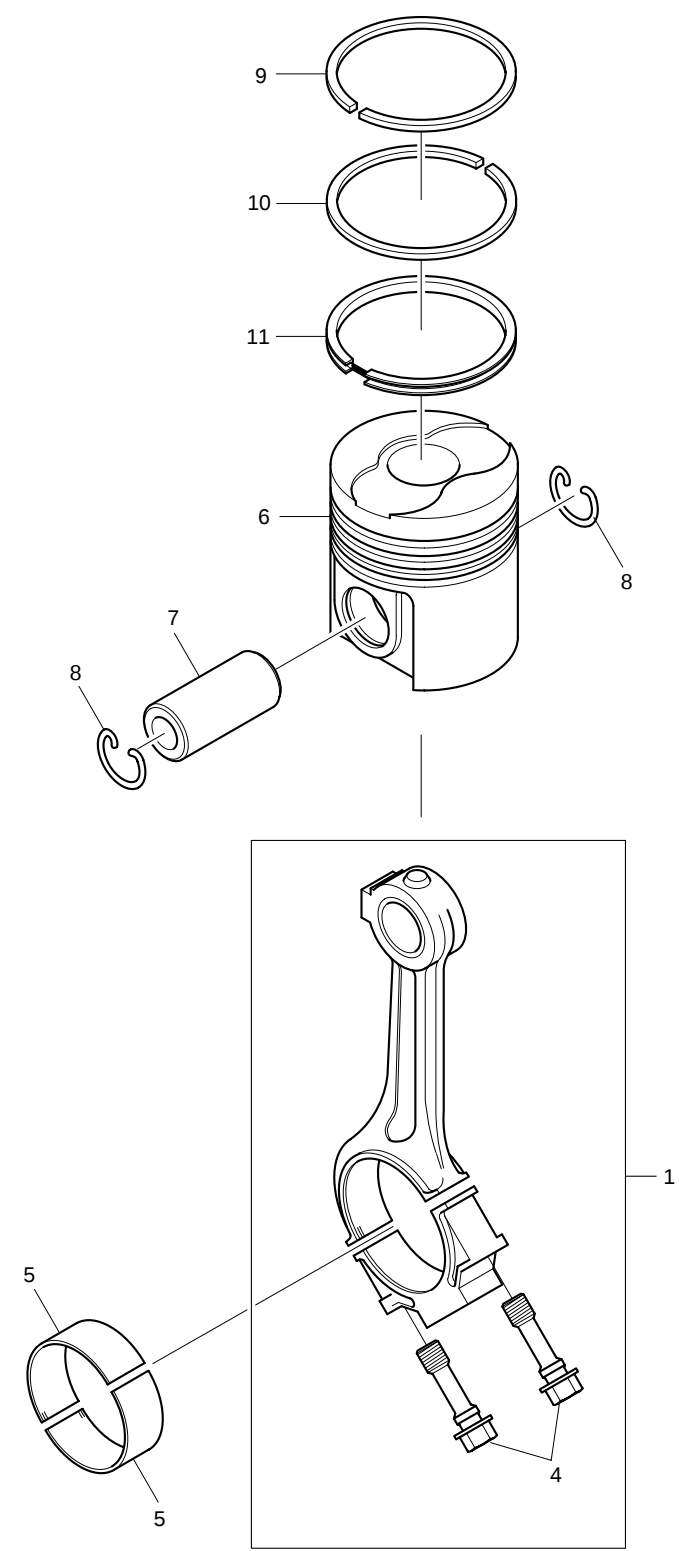


Fig.006 PISTON

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
006-1	65.02401-6020		CON-ROD ASS 'Y	8	8	10	10	12	12			
4	65.02411-0008	•	• BOLT ; CON-ROD	16	16	20	20	24	24			
5	65.02410-0100		BEARING ; CON-ROD	16	16	20	20	24	24			
6	65.02501-0204		PISTON	8	8	10	10	12	12			
7	65.02502-0081		PIN ; PISTON	8	8	10	10	12	12			
8	65.90810-0011		RING ; SNAP	16	16	20	20	24	24			
9	51.02503-0673	(1)	RING ; PISTON(TOP)	8	8	10	10	12	12			
10	51.02503-0661	(2)	RING ; PISTON(2ND)	8	8	10	10	12	12			
11	65.02503-0678	()	RING ; PISTON(OIL)	8	8	10	10	12	12			

Fig.007 CYLINDER HEAD

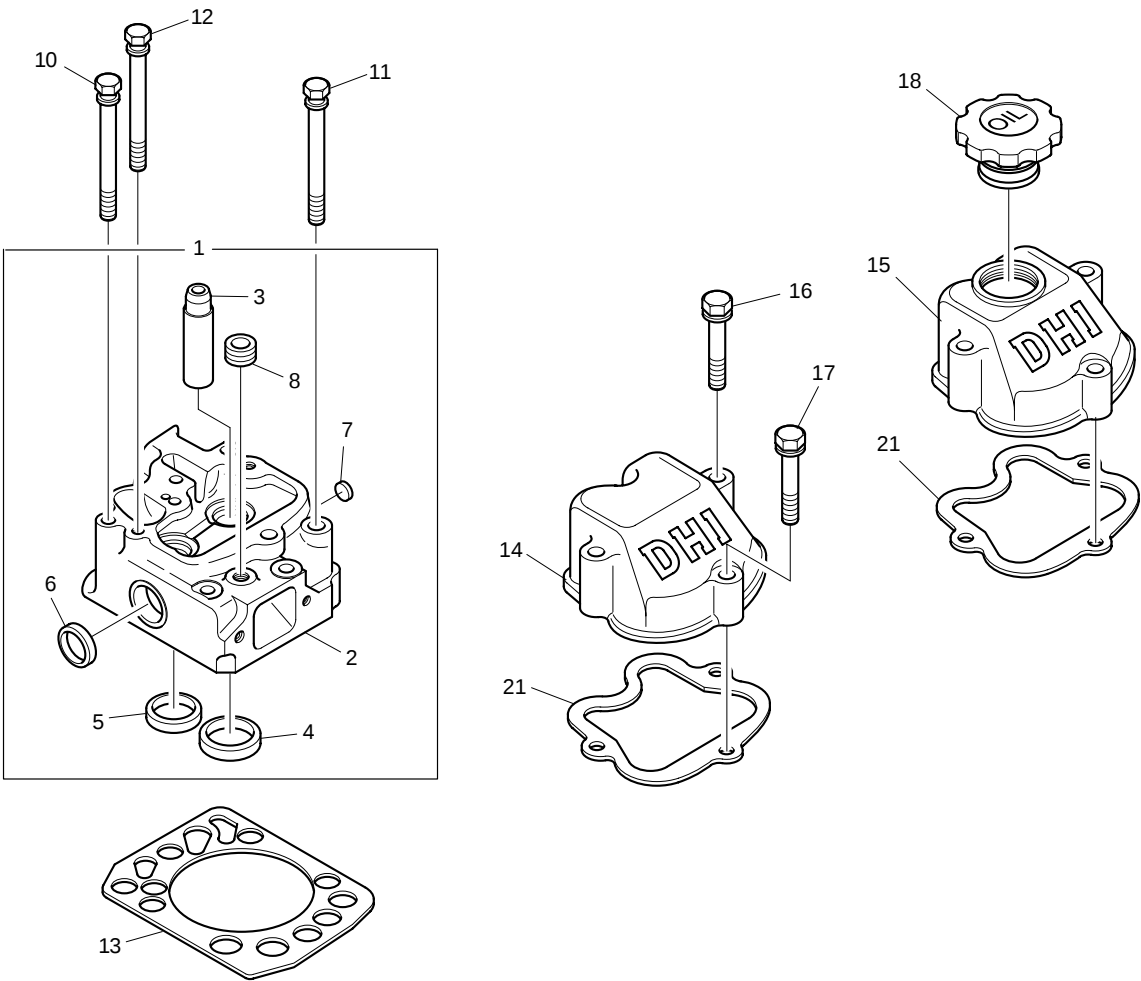


Fig.007 CYLINDER HEAD

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
007-1	65.03101-6067		CYL. HEAD ASS Y(ALT)	8	8	10	10	12	12	*		
2	65.03101-1047	• •	• • HEAD ; CYLINDER	8	8	10	10	12	12	D		
3	65.03201-1040	• • 가	• • GUIDE ; VALVE	16	16	20	20	24	24	B		
4	65.03203-0242	• •	• • SEAT ; VALVE(INTAKE)	8	8	10	10	12	12			
5	65.03203-0184	• •	• • SEAT ; VALVE(EXHAUST)	8	8	10	10	12	12			
6	65.91606-0037	• •	• • PLUG ; CORE HOLE	8	8	10	10	12	12			
7	65.91606-0041	• •	• • PLUG ; CORE HOLE	8	8	10	10	12	12			
8	06.08022-2207	• •	• • SCREW ; PLUG M22×1.5	8	8	10	10	12	12			
10	65.90020-0268		BOLT ; CYLINDER HEAD	16	16	20	20	24	24			
11	65.90020-0269		BOLT ; CYLINDER HEAD	24	24	30	30	36	36			
12	65.90020-0270		BOLT ; CYLINDER HEAD	8	8	10	10	12	12			
13	51.03901-0338	가	GASKET ; CYLINDER HEAD	8	8	10	10	12	12			
14	65.03401-0045A		COVER ; CYLINDER HEAD	7	7	9	9	11	11			
15	65.03401-0059		COVER ; CYLINDER HEAD	1	1	1	1	1	1			
16	06.01923-3125		BOLT ASS Y M8×70	16	16	20	20	24	24			
17	06.01923-3120		BOLT ASS Y M8×45	8	8	10	10	12	12			
18	65.01810-5007		FILLER CAP ASS Y	1	1	1	1	1	1			
21	65.03905-0015B	가	GASKET ; CYLINDER HEAD	8	8	10	10	12	12			

Fig.008 CAM SHAFT

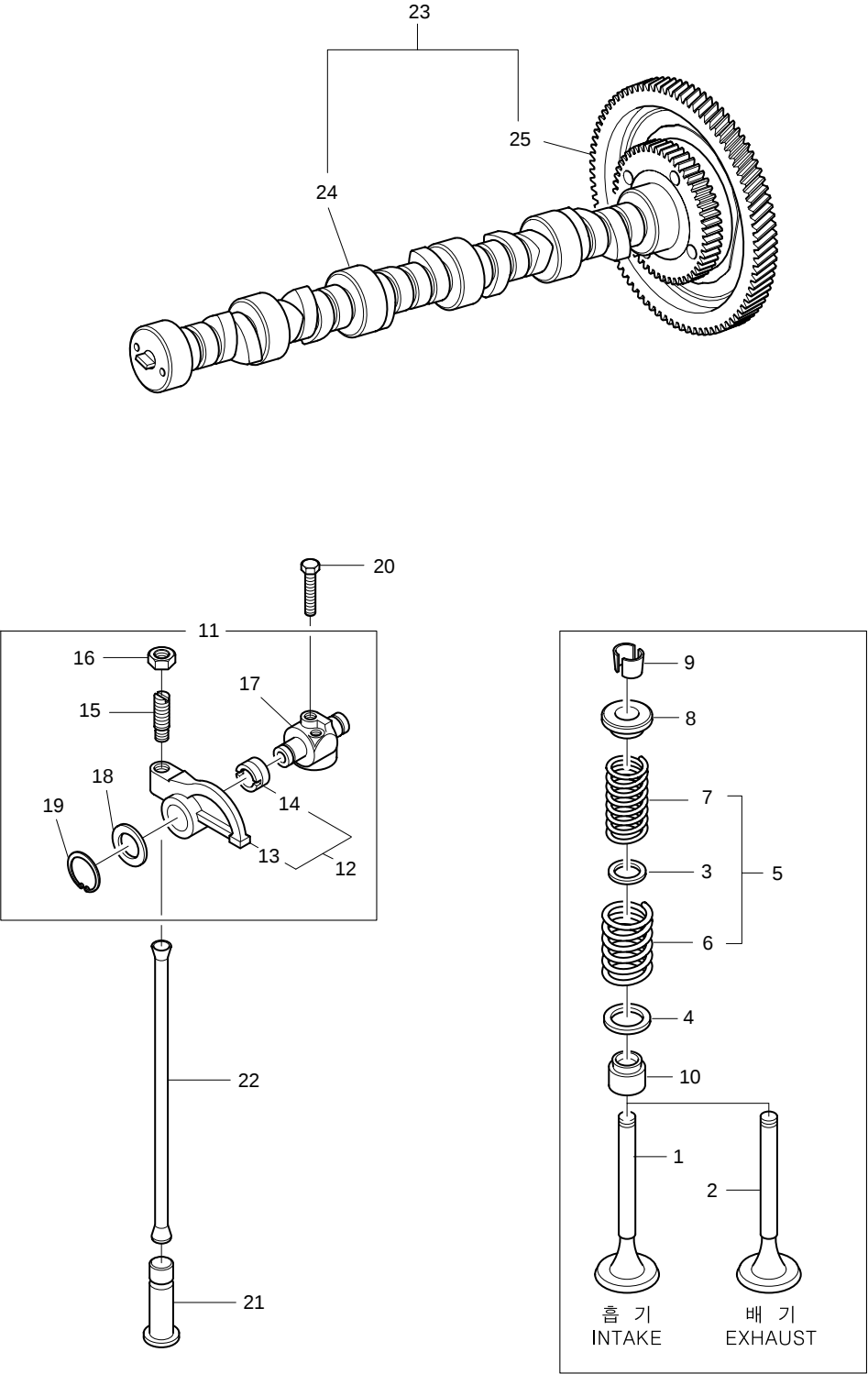


Fig.008 CAM SHAFT

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V 158 TI	AD 158 TI	V 180 TI	AD 180 TI	V 222 TI	AD 222 TI			
008-1	65.04101-0375B		VALVE ; INTAKE	8	8	10	10	12	12			
2	65.04101-0367B		VALVE ; EXHAUST	8	8	10	10	12	12			
3	65.90701-0103		WASHER ; INNER	16	16	20	20	12	12			
4	65.90701-0104		WASHER ; OUTER	16	16	20	20	24	24			
5	65.04102-6007		SPRING VALVE ASS 'Y	16	16	20	20	24	24			
6	65.04102-0083A	()	SPRING ; VALVE(OUTOR)	16	16	20	20	24	24			
7	65.04102-0084A	()	SPRING ; VALVE(INNER)	16	16	20	20	24	24			
8	65.04103-0074		RETAINER ; SPRING VALVE	16	16	20	20	24	24			
9	65.04104-0023		COTTER ; VALVE	32	32	40	40	48	48			
10	65.04902-0027		SEAL ; VALVE STEM	16	16	20	20	24	24			
11	65.04200-6026A		ROCKER ARM ASS 'Y	8	8	10	10	12	12			
12	65.04201-6078		ROCKER ARM ASS 'Y	16	16	20	20	24	24			
13	65.04201-1003		ROCKER ; ARM	16	16	20	20	24	24			
14	65.93020-1011		BUSH ; ROCKER ARM	16	16	20	20	24	24			
15	65.04205-0021		SCREW ; ADJUST	16	16	20	20	24	24			
16	65.90501-0049		NUT ; HEX.	16	16	20	20	24	24			
17	65.04202-5035		R/A.B.K.T ASS 'Y	8	8	10	10	12	12			
18	65.90701-0136B		WASHER	16	16	20	20	24	24			
19	06.29010-0120		SNAP RING 24×1.2	16	16	20	20	24	24			
20	65.90001-0146		BOLT ; HEX.	16	16	20	20	24	24			
21	65.04301-0079		TAPPET ; VALVE	16	16	20	20	24	24			
22	65.04302-0026		ROD ; PUSH	16	16	20	20	24	24			
23	65.04401-6002		CAM SHAFT ASS 'Y	-	-	1	1	-	-			
-	65.04401-6001		CAM SHAFT ASS 'Y	1	1	-	-	-	-			
-	65.04401-6003		CAM SHAFT ASS 'Y	-	-	-	-	1	1			
24	65.04401-0443	•	• CAM SHAFT	-	-	-	-	1	1	D		
-	65.04401-0440	•	• CAM SHAFT	-	-	1	1	-	-	D		
-	65.04401-0439	•	• CAM SHAFT	1	1	-	-	-	-	D		
25	65.11300-6001	• •	• • DRIVE GEAR ASS 'Y	1	1	1	1	1	1	D		

Fig.009 OIL PUMP(1)

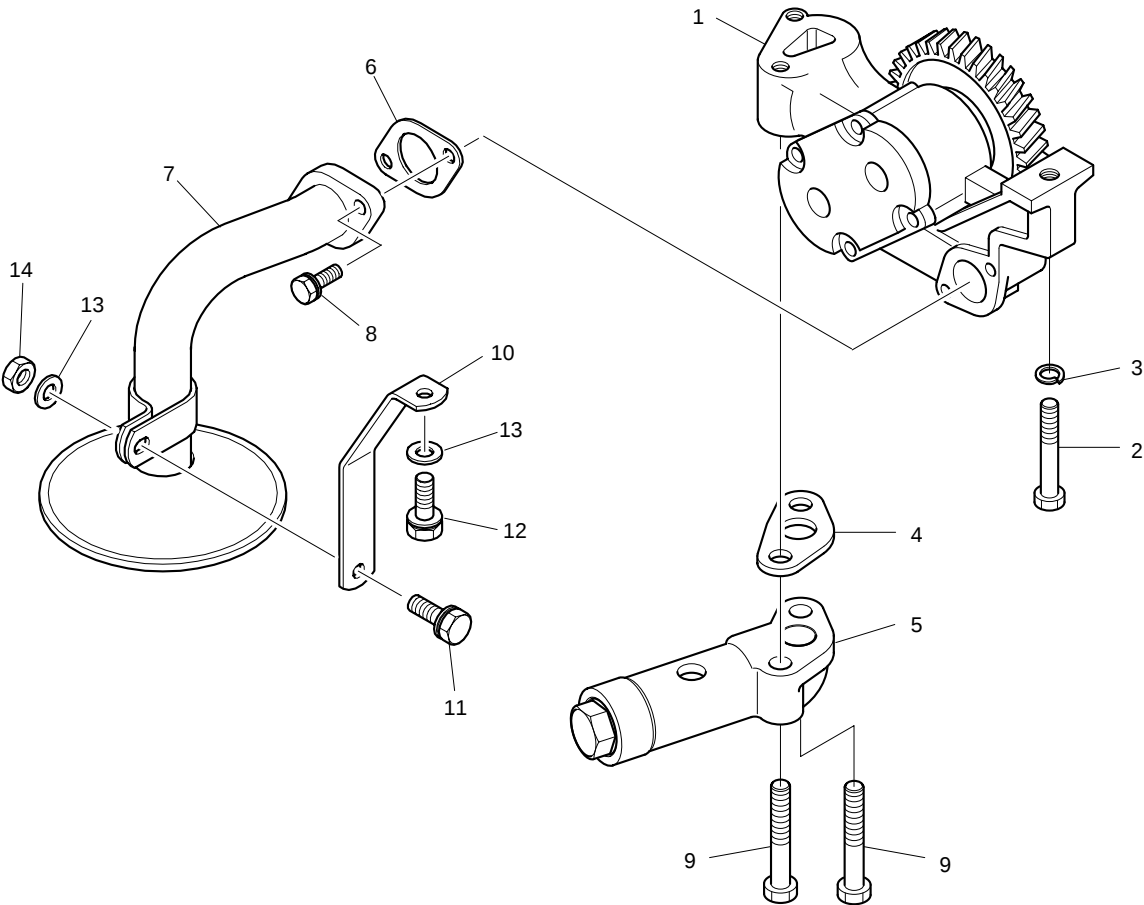


Fig.009 OIL PUMP(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
009-1	65.05100-6188	가	OIL PUMP ASS'Y	1	1	-	-	-	-			
2	06.01013-9116		BOLT ; HEX. M8×55	1	1	-	-	-	-			
3	06.16731-2107		WASHER ; SPRING A8	1	1	-	-	-	-			
4	65.05903A0007		GASKET ; RELIEF VALVE	1	1	-	-	-	-			
5	65.05401-5014		RELIEF VALVE ASS'Y	1	1	-	-	-	-			
6	65.96601-0055		GASKET	1	1	-	-	-	-			
7	65.05701-5590		PIPE ; OIL SUCTION	1	1	-	-	-	-			
8	06.01913-3215		BOLT ASS'Y M10×25	1	1	-	-	-	-			
9	06.01913-3126		BOLT ASS'Y M8×75	2	2	-	-	-	-			
10	65.05740-0094		BRACKET ; OIL SUCT PIPE	1	1	-	-	-	-			
11	06.01913-3114		BOLT ASS'Y M8×22	1	1	-	-	-	-			
12	06.01913-3113		BOLT ASS'Y M8×20	1	1	-	-	-	-			
13	06.15233-0150		WASHER	2	2	-	-	-	-			
14	06.11063-8214		NUT ; HEX. M8	1	1	-	-	-	-			

Fig.010 OIL PUMP(2)

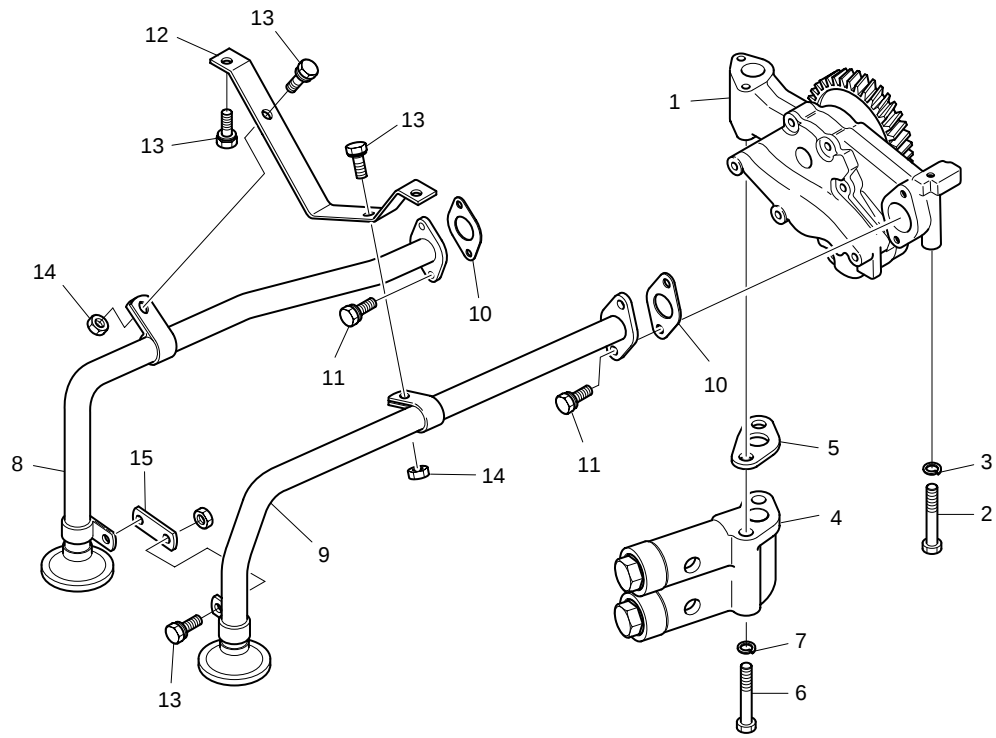


Fig.010 OIL PUMP(2)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
010-1	65.05100-6043A		OIL PUMP ASS 'Y	-	-	1	1	1	1			
2	06.01013-9124		BOLT ; HEX. M8×95	-	-	1	1	1	1			
3	06.16731-2107		WASHER ; SPRING A8	-	-	1	1	1	1			
4	65.05401-5024		RELIEF VALVE ASS 'Y	-	-	1	1	1	1			
5	65.05903A0006	가	GASKET ; RELIEF VALVE	-	-	1	1	1	1			
6	06.01013-9129		BOLT ; HEX. M8×140	-	-	2	2	2	2			
7	06.16731-2107		WASHER ; SPRING A8	-	-	2	2	2	2			
8	65.05701-5582		PIPE ; OIL SUCTION	-	-	-	-	1	1			
-	65.05701-5815		PIPE ; OIL SUCTION	-	-	1	1	-	-			
9	65.05701-5804		OIL SUCT. PIPE ASS 'Y	-	-	-	-	1	1			
-	65.05701-5816		PIPE ; OIL SUCTION	-	-	1	1	-	-			
10	65.96601-0055	가	GASKET	-	-	2	2	2	2			
11	06.01913-3115		BOLT ASS 'Y M8×25	-	-	4	4	4	4			
12	65.05740-0093		BRACKET	-	-	1	1	1	1			
13	06.01913-3113		BOLT ASS 'Y M8×20	-	-	6	6	6	6			
14	06.11063-8214		NUT ; HEX. M8	-	-	4	4	4	4			
15	65.97408-0422		HOLDER	-	-	1	1	1	1			

This exploded view diagram illustrates the assembly of a mechanical component, likely a bracket or support arm. The diagram is divided into three main sections:

- Top Left Section:** Shows the assembly of a bracket (15) onto a main arm (17). A pin (19) and a nut (20) are used to secure the bracket. A bolt (16) is shown passing through the arm and the bracket.
- Bottom Left Section:** Shows the assembly of a bracket (15) onto a main arm (17). A pin (19) and a nut (20) are used to secure the bracket. A bolt (16) is shown passing through the arm and the bracket. A bracket (18) is also shown being attached to the arm with a bolt (21).
- Right Section:** Shows the assembly of a bracket (1) onto a main arm (5). A pin (2) and a nut (4) are used to secure the bracket. A bolt (23) is shown passing through the arm and the bracket. A bracket (6) is also shown being attached to the arm with a bolt (6).

The diagram includes 23 numbered callouts identifying the various components and fasteners used in the assembly.

[illegible]

Fig.012 OIL DRAIN PUMP(2)

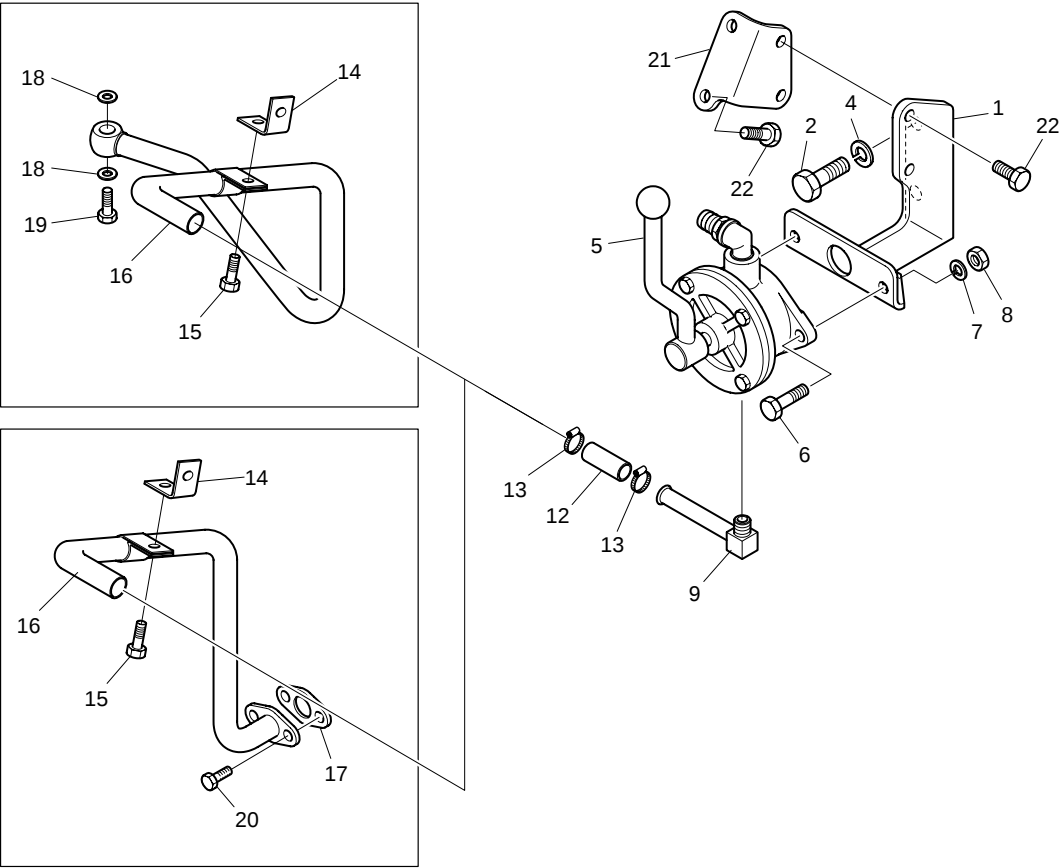


Fig.012 OIL DRAIN PUMP(2)

Key No.	Part No.	Description	(Q ty)						S. C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
012-1	65.05140-5001	BRACKET ; HEAD PUMP	-	1	-	1	-	1			
2	06.01493-4507	BOLT ; HEX. M16×1.5×50	-	2	-	2	-	2			
4	06.16731-2111	WASHER ; SPRING A16	-	2	-	2	-	2			
5	60.05101-7002	OIL DRAIN PUMP ASS 'Y	-	1	-	1	-	1			
6	06.01493-4308	BOLT ; HEX. M12×1.5×45	-	2	-	2	-	2			
7	06.16731-2109	WASHER ; SPRING A12	-	2	-	2	-	2			
8	06.11063-8216	NUT ; HEX. M12	-	2	-	2	-	2			
9	65.05701-5470	PIPE ; OIL	-	1	-	1	-	1			
12	65.96301-0327	HOSE ; RUBBER	-	1	-	1	-	1			
13	65.97440-0103	HOSE CLAMP 20-32-8001	-	2	-	2	-	2			
14	65.97480-0190	HOLDER	-	1	-	1	-	1			
15	06.01923-3217	BOLT ; HEX	-	1	-	1	-	1			
16	65.05701-5467	PIPE ; OIL	-	1	-	-	-	-			
-	65.05701-5468	PIPE ; OIL	-	-	-	1	-	-			
-	65.05701-5469	PIPE ; OIL	-	-	-	-	-	1			
17	60.05903A0004	GASKET	-	1	-	-	-	-			
18	06.56190-0728	RING SEAL A26×32	-	-	-	2	-	2			
19	06.78147-2808	SCREW ; HOLLOW	-	-	-	1	-	1			
20	06.01913-3217	BOLT ASS 'Y M10×30	-	2	-	-	-	-			
21	65.97480-0624	HOLDER	-	1	-	1	-	1			
22	06.01943-3317	BOLT ASS 'Y M12×30	-	4	-	4	-	4			

Fig.013 OIL FILTER

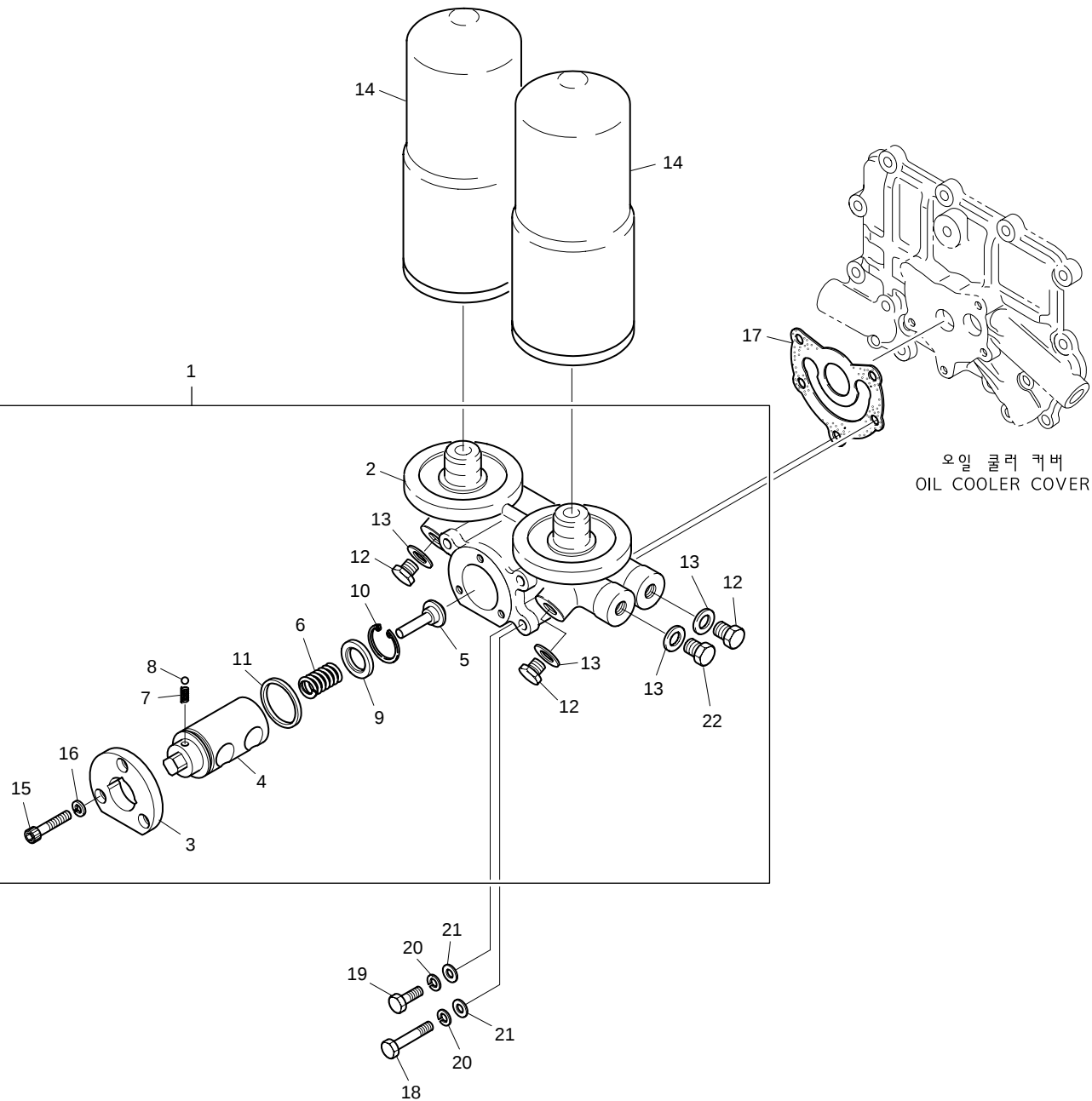


Fig.013 OIL FILTER

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
013-1	65.05501-7048		OIL FILTER ASS'Y	1	1	1	1	1	1			
2	65.05503-0018		HEAD O/F	1	1	1	1	1	1			
3	65.05517-0008		PLATE ; STEP	1	1	1	1	1	1			
4	65.05550-0003		COCK ; OIL FILTER	1	1	1	1	1	1			
5	65.05518-0005		VALVE	1	1	1	1	1	1			
6	65.97601-0083		SPRING ; COMPRESSION	1	1	1	1	1	1			
7	65.97601-0103		SPRING ; COMPRESSION	1	1	1	1	1	1			
8	06.31649-0615		BALL	1	1	1	1	1	1			
9	65.05541-0001		SEAT ; VALVE	1	1	1	1	1	1			
10	06.29020-0125		RING ; SNAP 40×1.75	1	1	1	1	1	1			
11	06.56011-0521	O-	O-RING	1	1	1	1	1	1			
12	06.08062-6208		SCREW ; PLUG M24×1.5	3	3	3	3	3	3			
13	06.56190-0722		RING ; SEAL 24×29	4	4	4	4	4	4			
14	65.05510-5020A	•	• CARTRIDGE ASS'Y	2	2	2	2	2	2			
15	06.02090-0410		BOLT ; SOCKET HEAD	3	3	3	3	3	3			
16	06.16110-0106		WASHER ; SPRING A8	3	3	3	3	3	3			
17	65.05901A0080	가	GASKET ; FILTER(COVER)	1	1	1	1	1	1			
18	06.01013-9237		BOLT ; HEX. M10×125	4	4	4	4	4	4			
19	06.01284-7223		BOLT ; HEX. M10×60	1	1	1	1	1	1			
20	06.16731-2108		WASHER ; SPRING A10	5	5	5	5	5	5			
21	06.15010-2312		WASHER ; PLAIN 10.5	5	5	5	5	5	5			
22	65.98130-0112A		ADAPTER ; OIL PRESS. SENSOR	1	1	1	1	1	1			

Fig.014 OIL COOLER(1)

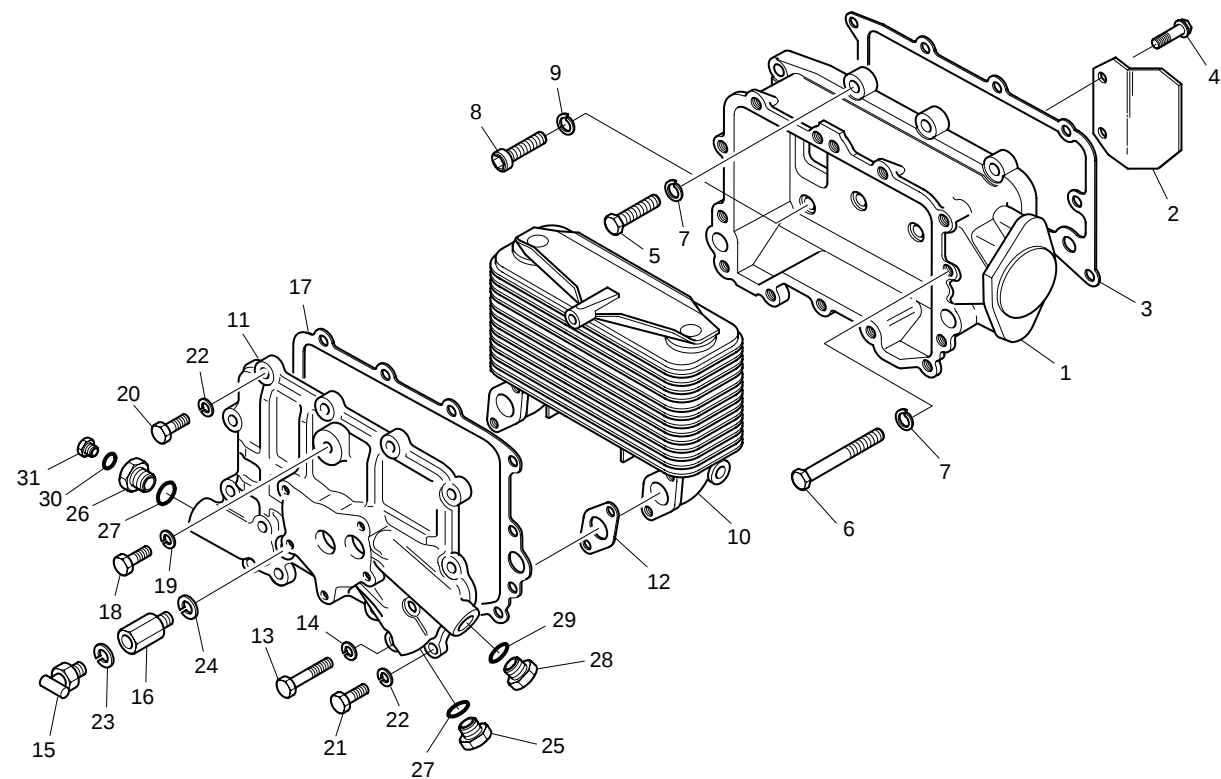


Fig.014 OIL COOLER(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V 158 TI	AD 158 TI	V 180 TI	AD 180 TI	V 222 TI	AD 222 TI			
014-1	65.05604-0018	가	HOUSING ; OIL COOLER	1	1	1	1	-	-			
2	65.05604-0012		PLATE	1	1	1	1	-	-			
3	65.05901-0014		GASKET ; OIL COOLER	1	1	1	1	-	-			
4	06.01283-7113		BOLT ; HEX. M8×20	2	2	2	2	-	-			
5	06.01284-7218		BOLT ; HEX. M10×35	6	6	6	6	-	-			
6	06.01014-9226		BOLT ; HEX.	1	1	1	1	-	-			
7	06.16731-2108		WASHER ; SPRING A10	7	7	7	7	-	-			
8	65.90030-0001		BOLT ; SOCKET HEAD	3	3	3	3	-	-			
9	65.90701-0091		WASHER ; PLAIN 10.5	3	3	3	3	-	-			
10	65.05601-7135		OIL COOLER ASS Y	1	1	1	1	-	-			
11	65.05605-0026		COVER ; OIL COOLER HOUSING	1	1	1	1	-	-			
12	65.96601-0221B		GASKET	2	2	2	2	-	-			
13	06.01013-9116		BOLT ; HEX. M8×55	4	4	4	4	-	-			
14	06.16044-0210		WASHER ; SPRING	4	4	4	4	-	-			
15	60.98201-7009		VALVE ; DRAIN	1	1	1	1	-	-			
16	65.98130-0178		ADAPTER	1	1	1	1	-	-			
17	65.05902A0038		GASKET ; COVER-HOUSING	1	1	1	1	-	-			
18	06.01283-7111		BOLT ; HEX. M8×16	1	1	1	1	-	-			
19	06.16044-0210		WASHER ; SPRING	1	1	1	1	-	-			
20	06.01284-7117		BOLT ; HEX. M8×30	12	12	12	12	-	-			
21	06.01284-7115		BOLT ; HEX. M8×25	1	1	1	1	-	-			
22	06.16044-0210		WASHER ; SPRING	13	13	13	13	-	-			
23	06.56190-0708		RING ; SEAL A16×22	1	1	1	1	-	-			
24	06.56190-0706		RING ; SEAL A14×20	1	1	1	1	-	-			
25	65.90310-0133		SCREW ; PLUG	2	2	2	2	-	-			
26	65.98130-0180		ADAPTER ; BY-PASS FILTER	1	1	1	1	-	-			
27	06.56190-0726		RING ; SEAL 26×31	2	2	2	2	-	-			
28	65.90310-0134		SCREW. PLUG	1	1	1	1	-	-			
29	06.56190-0732		RING ; SEAL 30×36	1	1	1	1	-	-			
30	06.56190-0706		RING ; SEAL A14×20	1	1	-	-	-	-			
31	06.08041-2203		SCREW ; PLUG M14×1.5	1	1	-	-	-	-			

Fig.015 OIL COOLER(2)

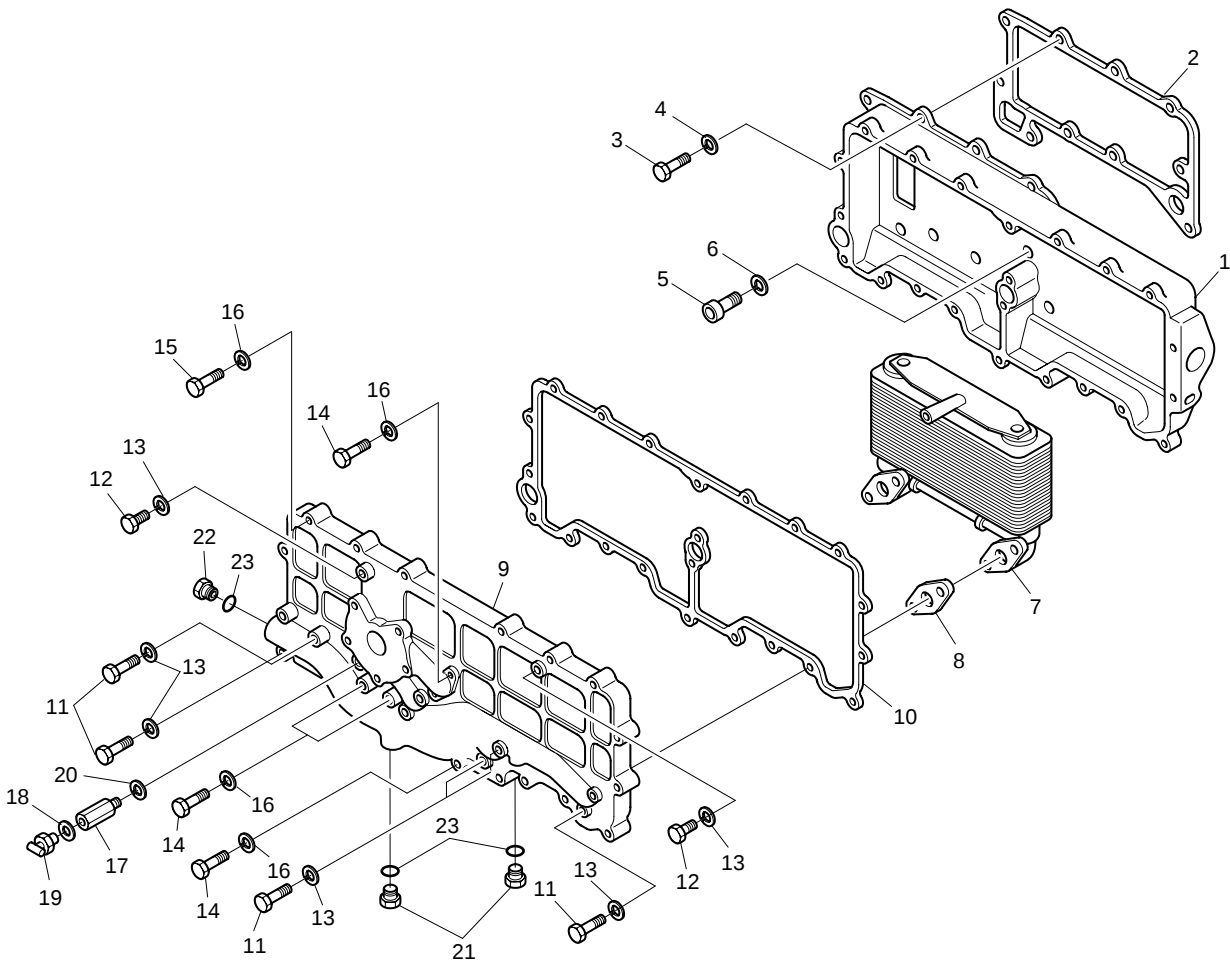


Fig.015 OIL COOLER(2)

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
015-1	65.05604-0023		OIL COOLER HOUSING	-	-	-	-	1	1			
2	65.05901-0014	가	GASKET ; OIL COOLER	-	-	-	-	1	1			
3	06.01284-7218		BOLT ; HEX. M10×35	-	-	-	-	5	5			
4	06.16044-0211		WASHER ; WAVE B10	-	-	-	-	5	5			
5	65.90030-0001		BOLT ; SOCKET HEAD	-	-	-	-	5	5			
6	65.90701-0091		WASHER ; PLAIN 10.5	-	-	-	-	5	5			
7	65.05601-7135		OIL COOLER ASS 'Y	-	-	-	-	2	2			
8	65.96601-0221B	가	GASKET	-	-	-	-	4	4			
9	65.05605-0035		COVER ; OIL COOLER HOUSING	-	-	-	-	1	1			
10	65.05902A0041	가	GASKET ; O/C H.S.G - O/L	-	-	-	-	1	1			
11	06.01013-9116		BOLT ; HEX. M8×55	-	-	-	-	8	8			
12	06.01283-7111		BOLT ; HEX. M8×16	-	-	-	-	2	2			
13	06.16044-0210		WASHER ; SPRING	-	-	-	-	10	10			
14	06.01913-3123		BOLT ; HEX. M8×60	-	-	-	-	5	5			
15	06.01283-7118		BOLT ; HEX. M8×35	-	-	-	-	17	17			
16	06.16044-0210		WASHER ; SPRING	-	-	-	-	22	22			
17	65.98130-0178		ADAPTER	-	-	-	-	1	1			
18	06.56190-0706		RING ; SEAL A14×20	-	-	-	-	1	1			
19	60.98201-7009		VALVE ; DRAIN	-	-	-	-	1	1			
20	06.56190-0708		RING ; SEAL A16×22	-	-	-	-	1	1			
21	65.90310-0133		SCREW ; PLUG	-	-	-	-	2	2			
22	65.98130-0180		ADAPTER ; BY-PASS FILTER	-	-	-	-	1	1			
23	06.56190-0726		RING ; SEAL 26×31	-	-	-	-	3	3			

Fig.016 OIL PIPE

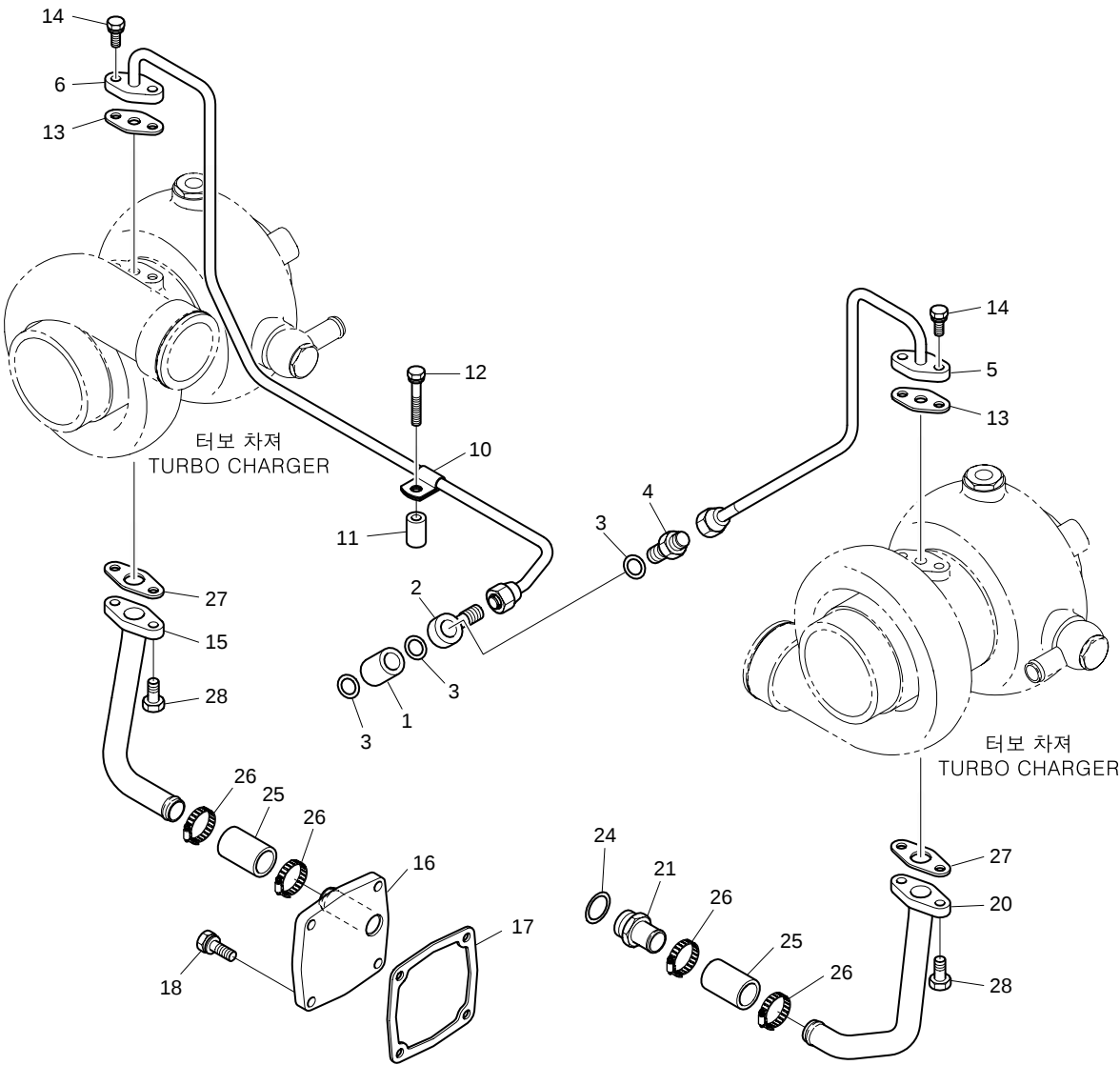


Fig.016 OIL PIPE

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
016-1	65.90710-0250A		WASHER	1	1	1	1	1	1			
2	65.98103-0020A		UNION ; BANJO	1	1	1	1	1	1			
3	06.56190-0706		RING ; SEAL A14×20	3	3	3	3	3	3			
4	65.98150-0044A		SCREW ; HOLLOW	1	1	1	1	1	1			
5	65.05701-5962	()	PIPE ; OIL(L.H.)	1	1	1	1	1	1			
6	65.05701-5965	()	PIPE ; OIL(R.H.)	1	1	1	1	1	1			
10	65.97401-0110A		PIPE ; CLIP	1	1	1	1	1	1			
11	65.91701-0086		SPACER	1	1	1	1	1	1			
12	06.01913-3122		BOLT ASS 'Y M8×55	1	1	1	1	1	1			
13	65.96601A0241	가	GASKET ; OIL PIPE ADPTR	2	2	2	2	2	2			
14	06.01913-3144		BOLT ASS 'Y M8×22	4	4	4	4	4	4			
15	65.05701-5966		PIPE ; OIL	-	-	1	1	1	1			
-	65.05701-5968		PIPE ; OIL (RED MARKING)	1	1	-	-	-	-			
16	65.01402-5023		COVER	1	1	1	1	1	1			
17	65.54901-0022	가	GASKET	1	1	1	1	1	1			
18	06.01923-3117		BOLT ASS 'Y	4	4	4	4	4	4			
20	65.05701-5963		PIPE ; OIL	-	-	1	1	1	1			
-	65.05701-5967		PIPE ; OIL (RED MARKING)	1	1	-	-	-	-			
21	65.98131-0071		SCREW ; CONNECTION	1	1	1	1	1	1			
24	06.56190-0728		RING ; SEAL A26×32	1	1	1	1	1	1			
25	65.96301-0327		HOSE ; RUBBER	2	2	2	2	2	2			
26	65.97440-0103		CLAMP ; HOSE 20~32	4	4	4	4	4	4			
27	65.96601A0240	가	GASKET ; T/C OIL RETURN	2	2	2	2	2	2			
28	06.01913-3214		BOLT ; HEX. M10×22	4	4	4	4	4	4			

Fig.017 OIL PAN(1)

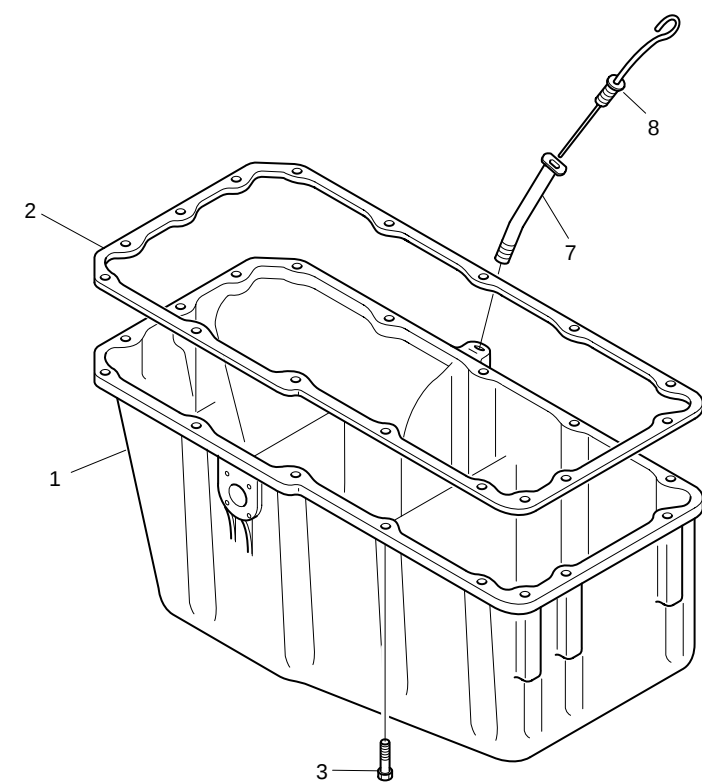


Fig.017 OIL PAN(1)

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
017-1	65.05801-5024		OIL PAN ASS Y	1	1	-	-	-				
-	65.05801-5025		OIL PAN ASS Y	-	-	1	1	-				
2	65.05904A0092	가	GASKET ; OIL PAN	1	1	-	-	-				
-	65.05904A0093	가	GASKET ; OIL PAN	-	-	1	1	-				
3	06.01933-3118		BOLT ASS Y M8×35	16	16	18	18	-				
7	65.05806-0002	가	GUIDE ; TUBE	1	1	1	1	-				
8	65.05805-5122		GAUGE ; OIL LEVEL	1	1	-	-	-				
-	65.05805-5162		GAUGE ; OIL LEVEL	-	-	1	1	-				

Fig.018 OIL PAN(2)

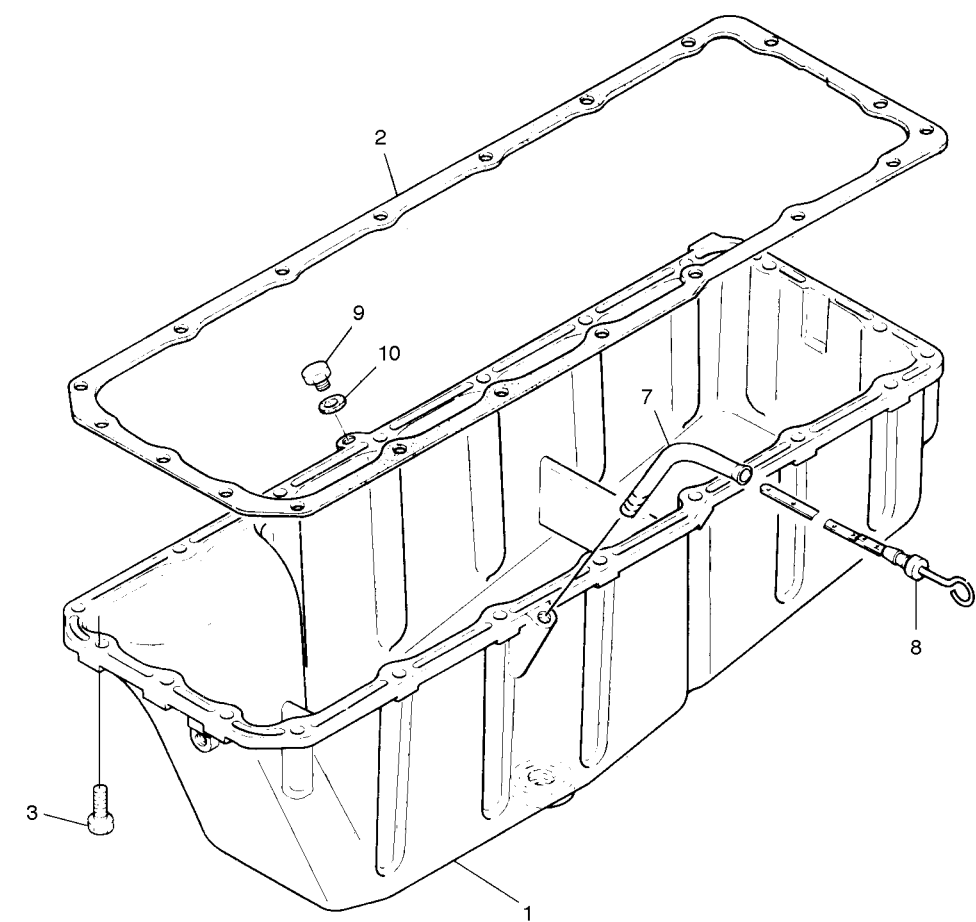


Fig.018 OIL PAN(2)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
018-1	65.05801-5199		OIL PAN ASS 'Y	-	-	-	-	1	1			
2	65.05904A0105	가	GASKET ; OIL PAN	-	-	-	-	1	1			
3	06.01933-3118		BOLT ASS 'Y M8×35	-	-	-	-	20	20			
7	65.05806-0002	가	GUIDE ; TUBE	-	-	-	-	1	1			
8	65.05805-5162		GAUGE ; OIL LEVEL	-	-	-	-	1	1			
9	06.08042-0203		SCREW ; PLUG M14×15	-	-	-	-	1	1			
10	06.56190-0706		RING ; SEAL A14×20	-	-	-	-	1	1			

Fig.019 OIL BY-PASS FILTER

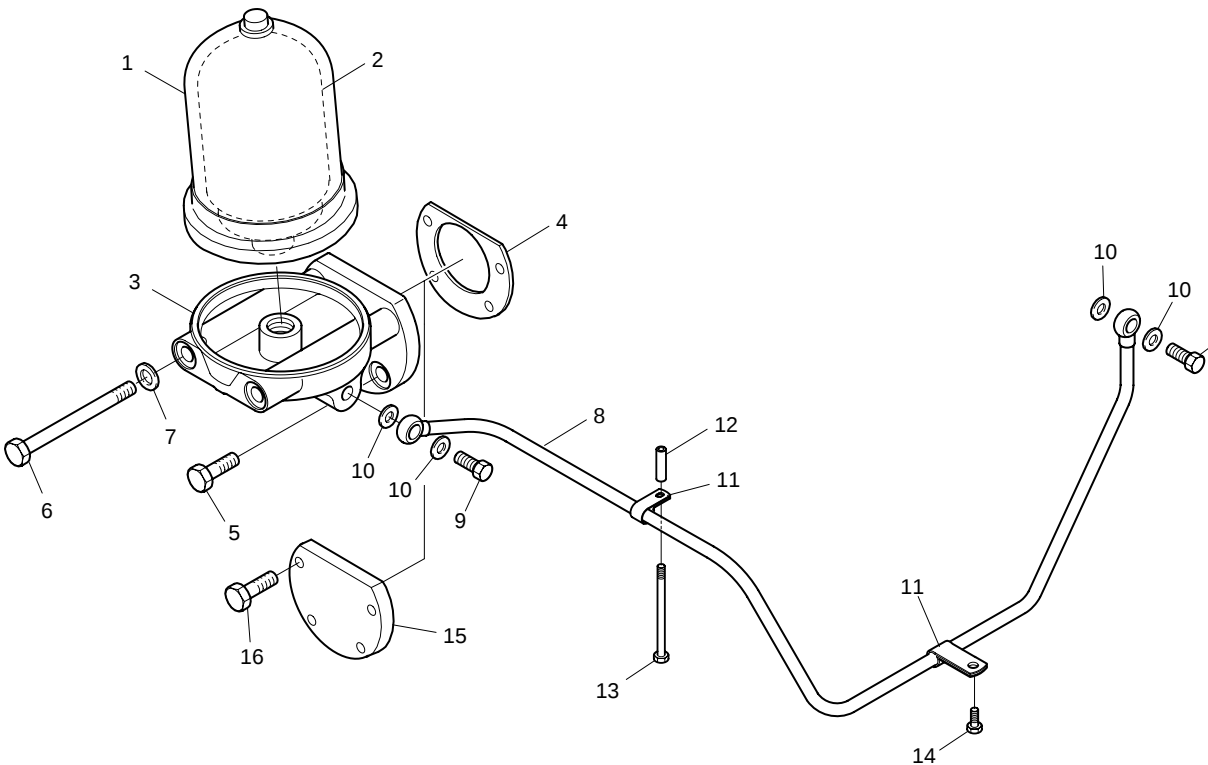


Fig.019 OIL BY-PASS FILTER

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
019-1	65.05501-7077	가	BY-PASS FILTER ASS 'Y	-	-	1	1	1	1			
2	65.05510-5030		ROTOR	-	-	1	1	1	1			
3	65.05540-0017		BRACKET,OIL FILTER	-	-	1	1	1	1			
4	65.05901A0019		GASKET ; BY-PASS FILTER	-	-	1	1	1	1			
5	06.01913-3217		BOLT ASS 'Y M10×30	-	-	2	2	2	2			
6	06.01014-9230		BOLT, HEX M10X150	-	-	2	2	2	2			
7	06.15010-2312		SCREW ; HOLLOW NW 10	-	-	2	2	2	2			
8	65.05701-5471		RING ; SEAL A14×20	-	-	1	1	1	1			
9	06.78144-2204		PIPE ; CLIP	-	-	2	2	2	2			
10	06.56190-0706		RING ; SEAL A14×20	-	-	4	4	4	4			
11	65.97401-0110A		RING ; SEAL A14×20	-	-	2	2	2	2			
12	65.91701-0029		SPACER	-	-	1	1	1	1			
13	06.01923-3131		BOLT A 'SSY M8X100	-	-	1	1	1	1			
14	06.01923-3110		BOLT A 'SSY M8X12	-	-	1	1	1	1			
15	65.98112-0031		COVER ; OIL PAN	1	1	-	-	-	-			
16	06.01913-3217		BOLT ASS 'Y M10X30	4	4	-	-	-	-			

Fig.020 HEAT EXCHANGER

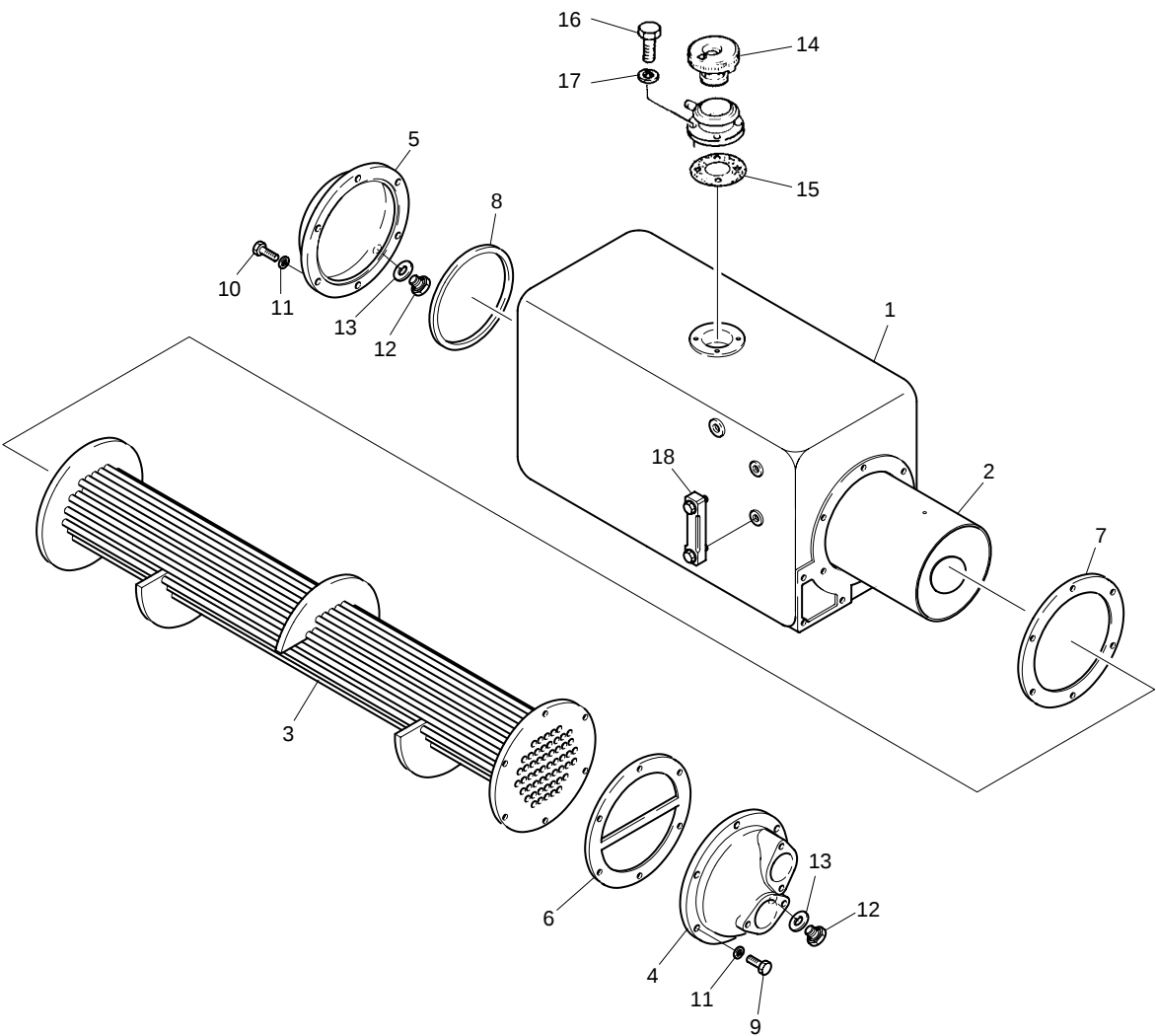


Fig.020 HEAT EXCHANGER

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
020-1	65.06160-6016A		HEAT EXCHANGER ASS Y	1	1	1	1	-	-			
-	65.06160-6015A		HEAT EXCHANGER ASS Y	-	-	-	-	1	1			
1	65.06165-0008A		HOUSING, HEAT EXCHANGER	1	1	1	1	1	1			
2	65.06168-0001A		INNER TUBE ; HEAT EXCHANGER	1	1	1	1	1	1			
3	65.06162-5006A		TUBE ASS Y	1	1	1	1	-	-			
-	65.06162-5002B		TUBE ASS Y	-	-	-	-	1	1			
4	65.06163-0009		COVER ; HEAT EXCHANGER	1	1	1	1	1	1			
5	65.06163-0008		COVER ; HEAT EXCHANGER	1	1	1	1	1	1			
6	65.06907-0001	가	GASKET ; HEAT EXCHANGER	1	1	1	1	1	1			
7	65.06907-0002A	가	GASKET ; HEAT EXCHANGER	1	1	1	1	1	1			
8	06.56026-0308	O-	O-RING	1	1	1	1	1	1			
9	06.02097-8517		BOLT : SOCKET HEAD M10×40	6	6	6	6	6	6			
10	06.02097-8513		BOLT : SOCKET HEAD M10×30	6	6	6	6	6	6			
11	06.16731-2108		SPRING ; WASHER	12	12	12	12	12	12			
12	06.08095-4606		SCREW ; PLUG M18×1.5	2	2	2	2	2	2			
13	06.56190-0713		RING ; SEAL	2	2	2	2	2	2			
14	60.01810-5001		FILLER CAP ASS Y	1	1	1	1	1	1			
15	60.96610-0918	가	GASKET	1	1	1	1	1	1			
16	06.01283-6913		BOLT ; HEX. M6×20	4	4	4	4	4	4			
17	06.16731-2106		SPRING ; WASHER	4	4	4	4	4	4			
18	65.27480-6001		GAUGE ; COOLING WATER	1	1	1	1	1	1			

Fig.021 COOLING WATER PIPE(1)

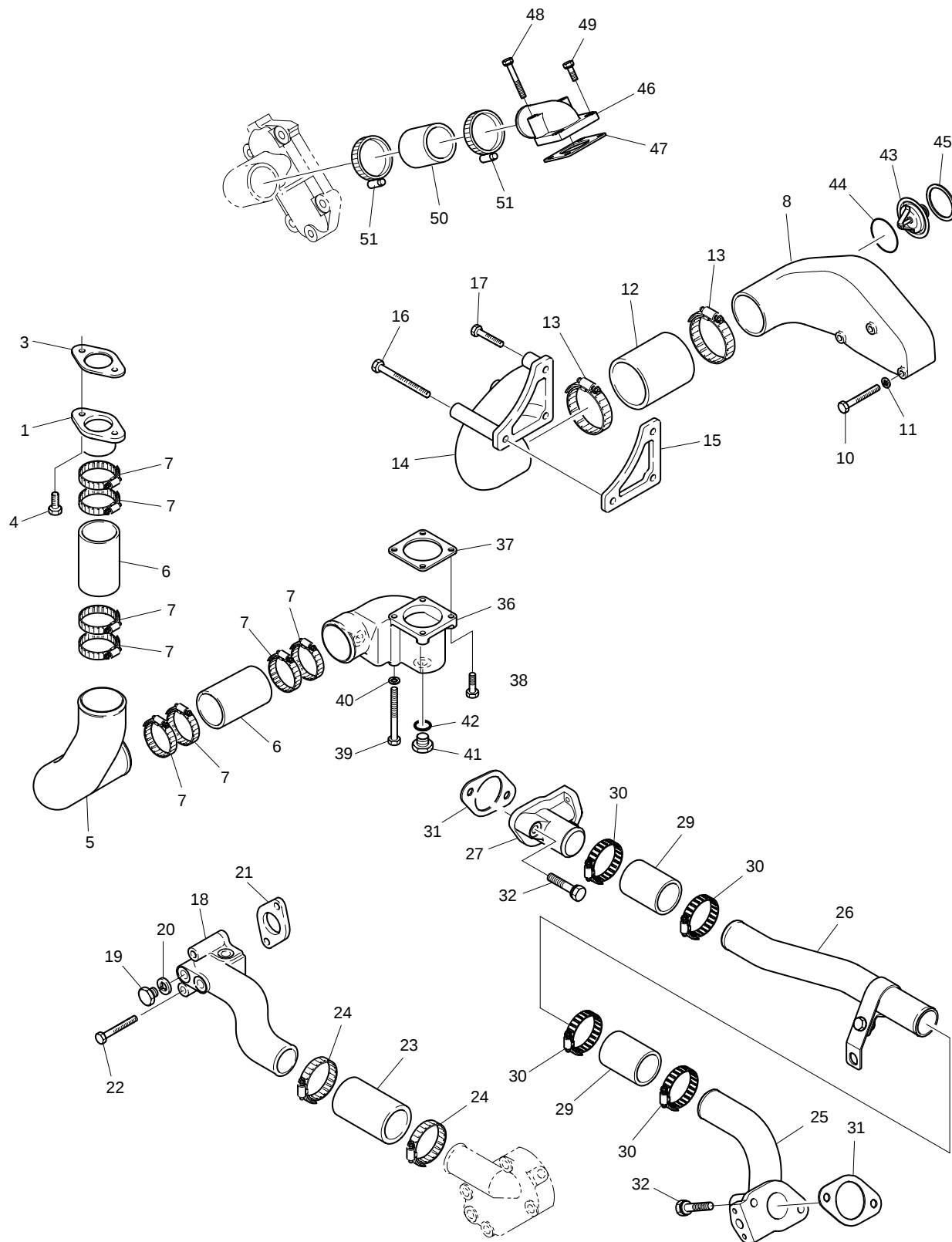


Fig.021 COOLING WATER PIPE(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V 158 TI	AD 158 TI	V 180 TI	AD 180 TI	V 222 TI	AD 222 TI			
021-1	60.06301-5384A		PIPE ; COOLING WATER	1	1	1	1	1	1			
3	65.06903B0010	가	GASKET	1	1	1	1	1	1			
4	06.01943-3317		BOLT ASS 'Y M12×1.5×30	4	4	4	4	4	4			
5	60.06301-0077		PIPE ; COOLING WATER	1	1	1	1	1	1			
6	65.96301-0271		HOSE ; SIL. D75×100	2	2	2	2	2	2			
7	65.97440-0097		CLAMP ; HOSE 70~90	8	8	8	8	8	8			
8	60.06405-0007		OUTLET ; WATER	1	1	1	1	1	1			
10	06.01913-3128		BOLT ; HEX. M8×85	3	3	3	3	3	3			
11	06.15010-2311		WASHER 8.4	3	3	3	3	3	3			
12	65.96301-0269		HOSE ; SIL. D75×55	1	1	1	1	1	1			
13	65.97440-0097		CLAMP ; HOSE 70~90	2	2	2	2	2	2			
14	60.06301-0086		PIPE ; COOLING WATER	1	1	1	1	1	1			
15	60.06903-0025A	가	GASKET	1	1	1	1	1	1			
16	06.01913-3234		BOLT ASS 'Y M10×130	2	2	2	2	2	2			
17	06.01913-3224		BOLT ASS 'Y M10×65	1	1	1	1	1	1			
18	65.06301-0153		PIPE ; COOLING WATER	1	1	1	1	1	1			
19	06.08092-2404		SCREW ; PLUG M16×1.5	1	1	1	1	1	1			
20	06.56190-0706		RING ; SEAL A14×20	1	1	1	1	1	1			
21	65.96601-0054	가	GASKET ; C/W PIPE FLANGE	1	1	1	1	1	1			
22	06.01913-3228		BOLT ; HEX. M10×85	2	2	2	2	2	2			
23	65.96310-0263		HOSE ; SIL. D50×80	1	1	1	1	1	1			
24	65.97440-0100		CLAMP ; HOSE 40~60	2	2	2	2	2	2			
25	65.06301-0685		PIPE ; COOLING WATER	1	1	1	1	1	1			
26	65.06301-6056		PIPE ; COOLING WATER	1	1	1	1	1	1			
27	65.06301-0686		SCREW ; PLUG M18×1.5 DS	1	1	1	1	1	1			
29	65.96301-0263		HOSE ; SIL. D50×80	2	2	2	2	2	2			
30	65.97440-0100		CLAMP ; HOSE 40~60	4	4	4	4	4	4			
31	65.96601-0057	가	GASKET NW60	2	2	2	2	2	2			
32	06.01943-3323		BOLT ASS 'Y M12×1.5×60	4	4	4	4	4	4			
33	65.06301-0136		PIPE ; COOLING WATER	1	1	1	1	1	1			
34	65.96301-0263		HOSE ; SIL. D50×80	2	2	2	2	2	2			
35	65.97440-0100		CLAMP ; HOSE 40~60	4	4	4	4	4	4			
36	65.06301-0754		PIPE ; COOLING WATER	1	1	1	1	1	1			
37	67.06901A0001	가	GASKET	1	1	1	1	1	1			
38	06.01923-3117		BOLT ASS 'Y M8×30	2	2	2	2	2	2			
39	06.01013-9126		BOLT ; HEX. M8×110	2	2	2	2	2	2			
40	06.16731-2107		WASHER ; SPRING A8	2	2	2	2	2	2			
41	06.08092-2406		SCREW ; PLUG M18×1.5	2	2	2	2	2	2			
42	06.56190-0713		RING ; SEAL A18×24	2	2	2	2	2	2			
43	51.06402-0062		THERMOSTAT	3	3	3	3	3	3			
44	06.56342-1208	O-가	O-RING 60×4	3	3	3	3	3	3			
45	65.06901A0069		GASKET	3	3	3	3	3	3			
46	65.06301-0753	가	PIPE ; COOLING WATER	1	1	1	1	1	1			
47	65.06903-0070		GASKET	1	1	1	1	1	1			
48	06.01913-3123		BOLT ASS 'Y M8×60	2	2	2	2	2	2			
49	06.01913-3115		BOLT ASS 'Y M8×25	2	2	2	2	2	2			
50	65.96301-0263		HOSE ; SIL D50×80	1	1	1	1	1	1			
51	65.97440-0100		CLAMP ; HOSE 40~60	2	2	2	2	2	2			

Fig.022 COOLING WATER PIPE(2)

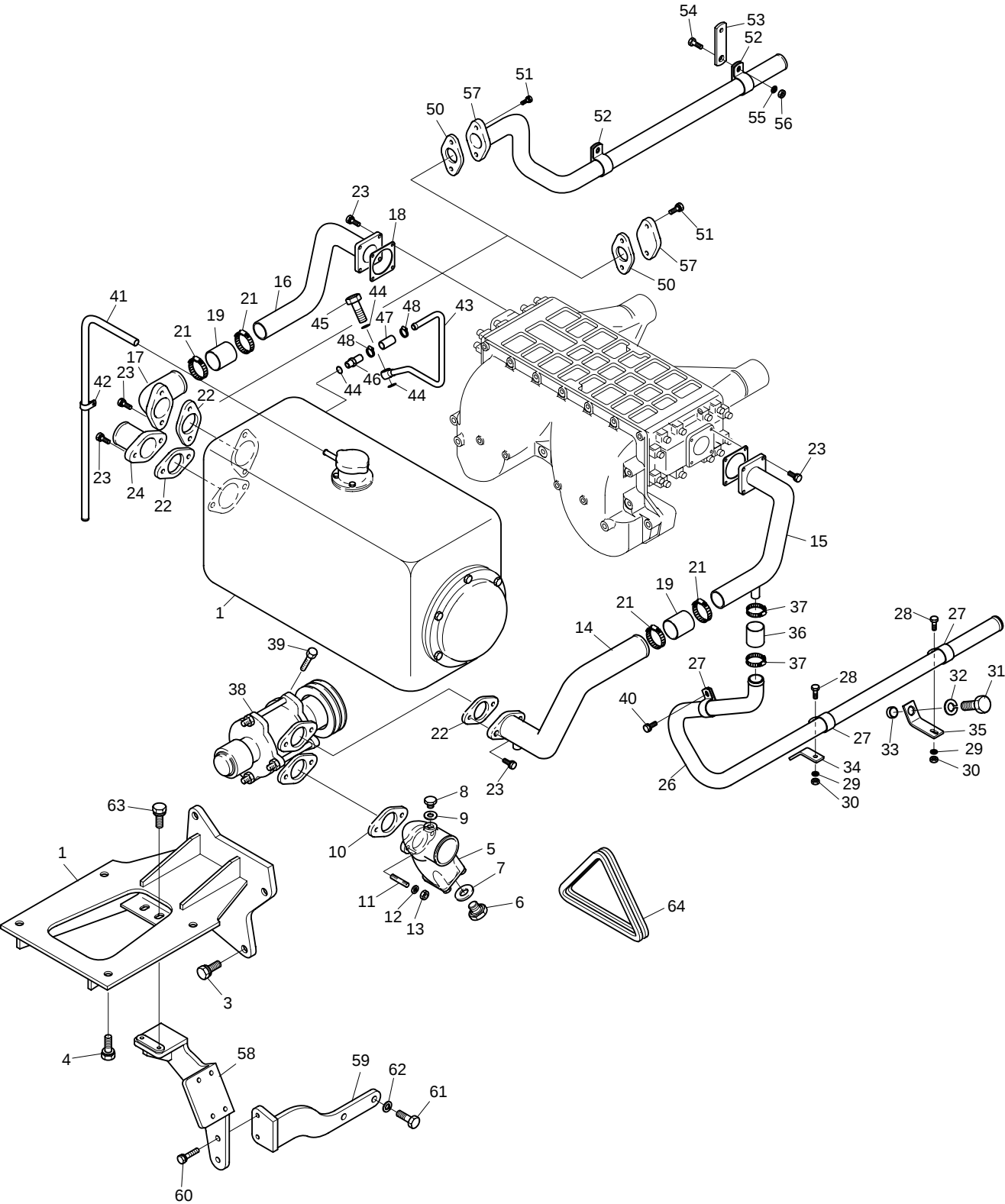


Fig.022 COOLING WATER PIPE(2)

Key No.	Part No.	Description	(Q ty)						S. C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
022-1	65.06160-6016A	HEAT EXCHANGER ASS Y	1	1	1	1	-	-			
-	65.06160-6015A	HEAT EXCHANGER ASS Y	-	-	-	-	1	1			
2	65.06140-5010	BRACKET ; HEAT EXCHANGER	1	1	1	1	1	1			
3	06.01913-3217	BOLT ASS Y M10×30	4	4	4	4	4	4			
4	06.01943-3317	BOLT ASS Y M12×1.5×30	4	4	4	4	4	4			
5	60.06880-6008	STRAINER ; SEA WATER	1	1	1	1	1	1			
6	06.08095-4607	SCREW ; PLUG M22×1.5	1	1	1	1	1	1			
7	06.56190-0718	RING ; SEAL	1	1	1	1	1	1			
8	06.08095-4604	SCREW ; PLUG M14×1.5	1	1	1	1	1	1			
9	06.56190-0706	RING ; SEAL A14×20	1	1	1	1	1	1			
10	60.96605A0013	GASKET	1	1	1	1	1	1			
11	06.06226-0806	BOLT ; STUD	2	2	2	2	2	2			
12	06.16731-2108	SPRING ; WASHER A10	2	2	2	2	2	2			
13	06.11063-8215	NUT ; HEX. M10	2	2	2	2	2	2			
14	65.06301-5195	PIPE ; COOLING WATER	1	1	1	1	1	1			
15	65.06301-5801	PIPE ; COOLING WATER	1	-	1	-	1	-			
-	65.06301-5237	PIPE ; COOLING WATER	-	1	-	1	-	1			
16	65.06301-5196	PIPE ; COOLING WATER	-	-	-	-	1	1			
-	65.06301-5197	PIPE ; COOLING WATER	1	1	1	1	-	-			
17	60.06301-5387	PIPE ; COOLING WATER	1	1	1	1	1	1			
18	60.96605A0011	GASKET	2	2	2	2	2	2			
19	65.96301-0275	HOSE ; SIL. D55×90	2	2	2	2	2	2			
21	65.97440-0099	CLAMP ; HOSE 50~70	4	4	4	4	4	4			
22	60.96605A0013	GASKET	3	3	3	3	3	3			
23	06.01913-3218	BOLT ; HEX. ASS Y M10×35	12	12	12	12	12	12			
24	60.06301-0065	PIPE ; COOLING WATER	1	1	1	1	1	1			
25	06.01913-3218	BOLT ASS Y M10×35	2	2	2	2	2	2			
26	65.06301-0750	PIPE ; COOLING WATER	1	-	-	-	-	-			
-	65.06301-0751	PIPE ; COOLING WATER	-	-	1	-	-	-			
-	65.06301-0752	PIPE ; COOLING WATER	-	-	-	-	1	-			
27	65.97401-0210	CLIP ; PIPE	3	-	3	-	3	-			
28	06.01283-6913	BOLT ; HEX. M6×20	2	-	2	-	2	-			
29	06.16731-2105	SPRING ; WASHER	2	-	2	-	2	-			
30	06.11063-8212	NUT ; HEX. M6	2	-	2	-	2	-			
31	06.01493-4509	BOLT ; HEX. M16×50	1	-	1	-	1	-			
32	06.16731-2111	SPRING ; WASHER A16	1	-	1	-	1	-			
33	65.91701-0273	SPACER	1	-	1	-	1	-			
34	60.97480-0010	HOLDER	1	-	1	-	1	-			
35	60.97480-0011	HOLDER	1	-	1	-	1	-			
36	65.96301-0261	HOSE ; SIL. D28×80	2	-	2	-	2	-			
37	65.97440-0102	CLAMP ; HOSE 25~40	4	-	4	-	4	-			
38	60.06800-7063	PUMP ; SEA WATER	1	-	1	-	1	-			
39	06.01913-3217	BOLT ASS Y M10×30	3	-	3	-	3	-			
40	06.01913-2911	BOLT ASS Y M6×16	1	-	1	-	1	-			
41	60.96901-0002	TUBE ; VINYL	1	1	1	1	1	1			

Fig.022 COOLING WATER PIPE(2)

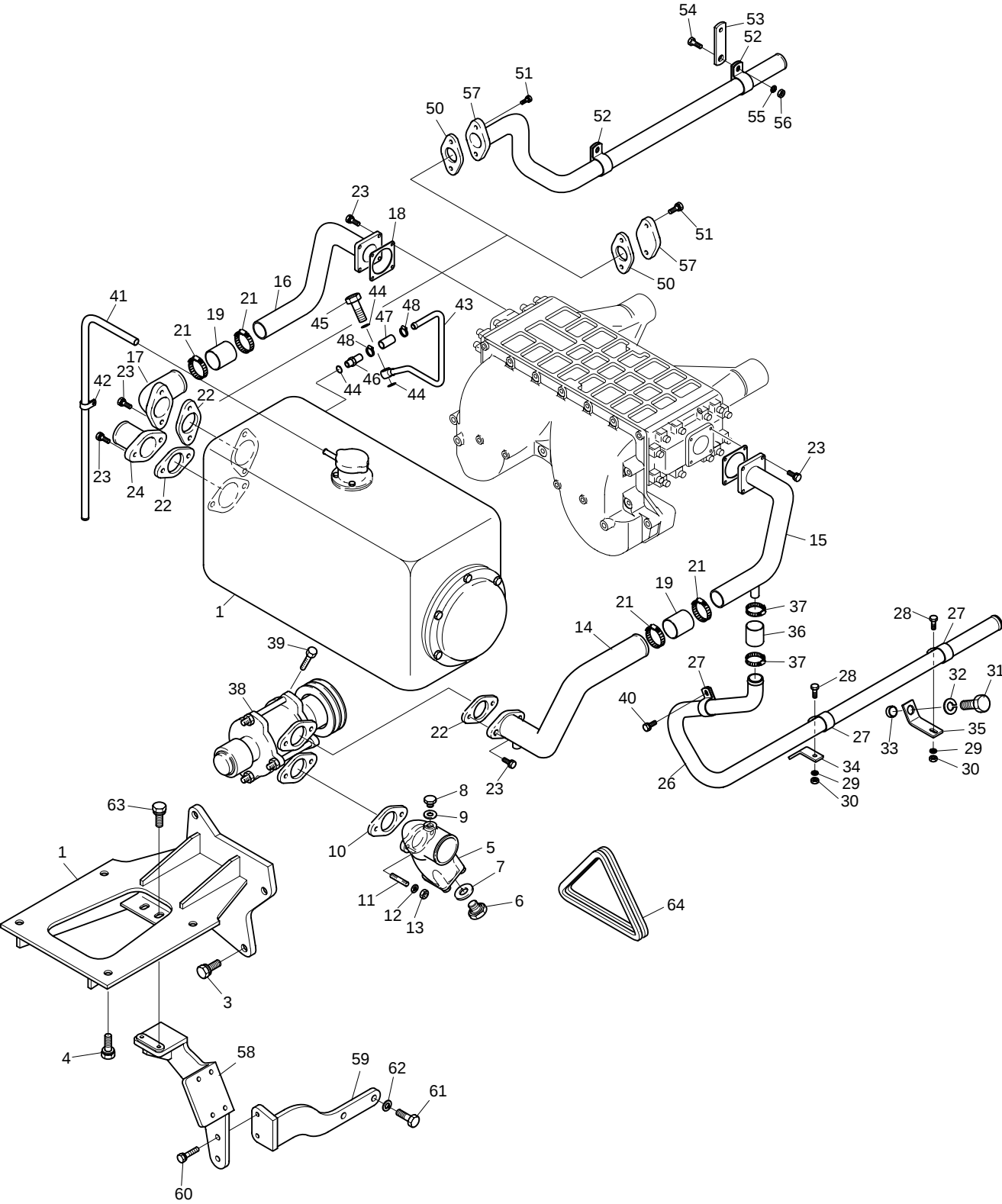


Fig.022 COOLING WATER PIPE(2)

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
022-42	60.97401-0051	가	CLIP	1	1	1	1	1	1			
43	60.06301-5386		PIPE ; AIR VENT	1	1	1	1	1	1			
44	06.56190-0706		RING ; SEAL A14×20	3	3	3	3	3	3			
45	06.78144-2204		SCREW ; HOLLOW M14	1	1	1	1	1	1			
46	65.98131-0060		SCREW ; CONNECTION	1	1	1	1	1	1			
47	04.27405-0204A		HOSE ; RUBBER	1	1	1	1	1	1			
48	65.97440-0045		CLAMP ; HOSE	2	2	2	2	2	2			
49	65.06301-5210		PIPE ; COOLING WATER	1	-	-	-	-	-			
-	65.06301-5211		PIPE ; COOLING WATER	-	-	1	-	-	-			
-	65.06301-5212		PIPE ; COOLING WATER	-	-	-	-	1	-			
50	60.06903-0013		GASKET	1	1	1	1	1	1			
51	06.01913-3217		BOLT ASS 'Y M10×30	2	2	2	2	2	2			
52	65.97401-0210		CLIP ; PIPE	2	-	2	-	2	-			
53	65.97480-0183		HOLDER	2	-	2	-	2	-			
54	06.01283-6913		BOLT ; HEX. M6×20	2	-	2	-	2	-			
55	06.16731-2105		SPRING ; WASHER	2	-	2	-	2	-			
56	06.11063-8212		NUT ; HEX. M6	2	-	2	-	2	-			
57	65.91615-0017		COVER ; BLIND	-	2	-	2	-	2			
58	60.06813-5010		BRACKET ; SEA WATER PUMP	-	1	-	1	-	1			
59	60.06813-5011		BRACKET ; SEA WATER PUMP	-	1	-	1	-	1			
60	06.01943-3320		BOLT ASS 'Y M12×1.5×45	-	2	-	2	-	2			
61	06.01283-7420		BOLT ; HEX. M14×45	-	2	-	2	-	2			
62	06.16731-2110		WASHER,SPRING A14	-	2	-	2	-	2			
63	06.01913-3214		BOLT ASS 'Y M10×22	-	2	-	2	-	2			
64	65.96801-0064		V-BELT 2×17×1325	1	1	-	-	-	-			
-	65.96801-0017		V-BELT 2×17×1350	-	-	1	1	1	1			

Fig.023 COOLING WATER PIPE(3)

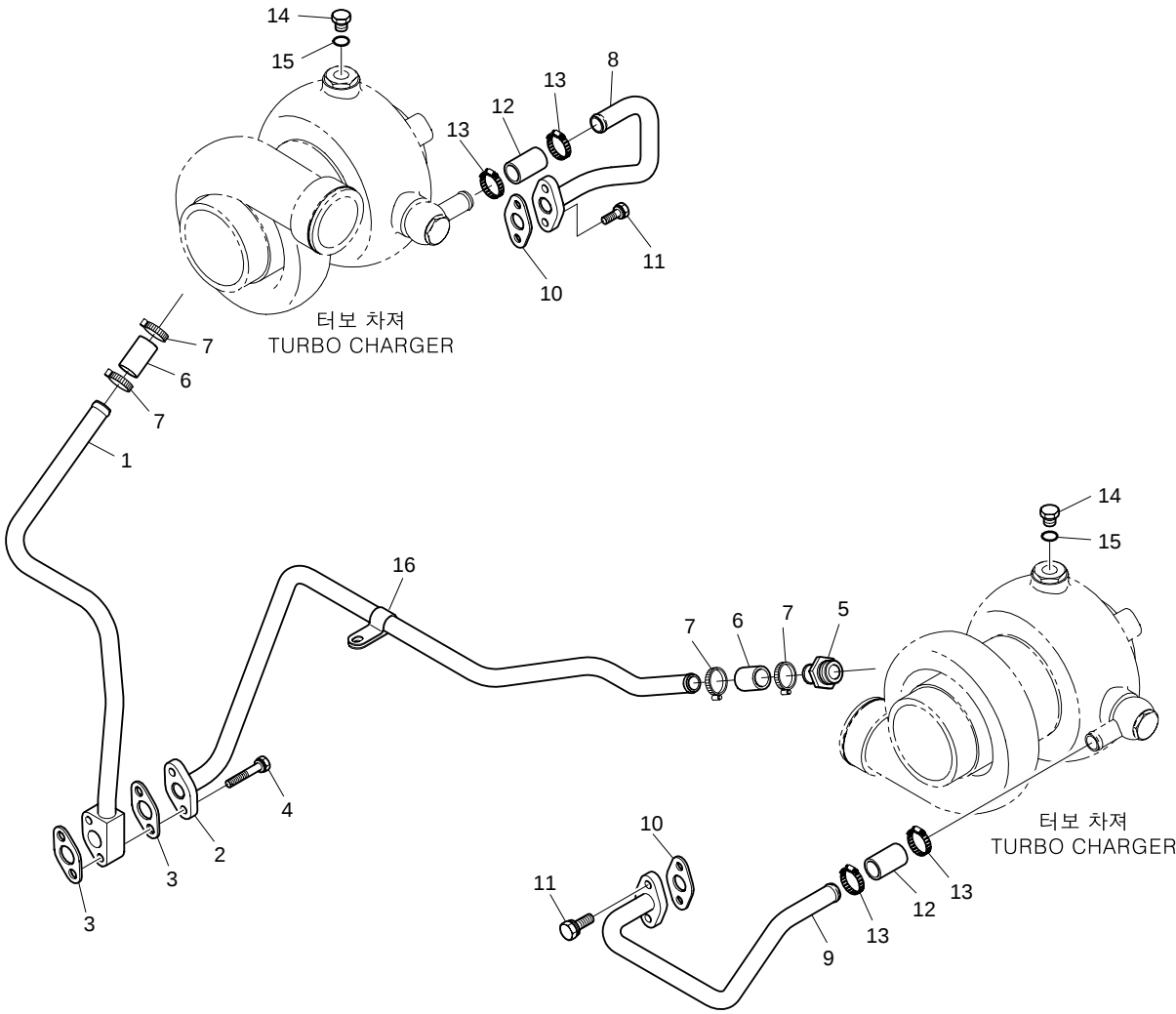


Fig.023 COOLING WATER PIPE(3)

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
023-1	65.06301-5213	가	PIPE ; COOLING WATER	1	1	-	-	-	-			
-	65.06301-5214		PIPE ; COOLING WATER	-	-	1	1	1	1			
2	65.06301-5741		PIPE ; COOLING WATER	1	1	1	1	1	1			
3	65.05903-0028		GASKET	2	2	2	2	2	2			
4	06.01913-3121		BOLT ASS 'Y M8×50	2	2	2	2	2	2			
5	65.98131-0136		NIPPLE	1	1	1	1	1	1			
6	65.96301-0281		HOSE ; SILICON Ø19	2	2	2	2	2	2			
7	65.97440-0103		CLAMP ; HOSE	4	4	4	4	4	4			
8	65.06301-5049		PIPE ; COOLING WATER	1	1	-	-	-	-			
-	65.06301-5740		PIPE ; COOLING WATER	-	-	1	1	1	1			
9	65.06301-5074		PIPE ; COOLING WATER	1	1	-	-	-	-			
-	65.06301-5738		PIPE ; COOLING WATER	-	-	1	1	1	1			
10	65.05903-0028		GASKET	2	2	2	2	2	2			
11	06.01913-3114		BOLT ASS 'Y	4	4	4	4	4	4			
12	65.96301-0281		HOSE ; SILICON Ø19	2	2	2	2	2	2			
13	65.97440-0103		CLAMP ; HOSE	4	4	4	4	4	4			
14	06.08091-4604		SCREW ; PLUG	2	2	2	2	2	2			
15	06.56190-0706		RING ; SEAL	2	2	2	2	2	2			
16	65.97401-0500		CLIP ; PIPE	1	1	1	1	1	1			

Fig.024 COOLING WATER PUMP(1)

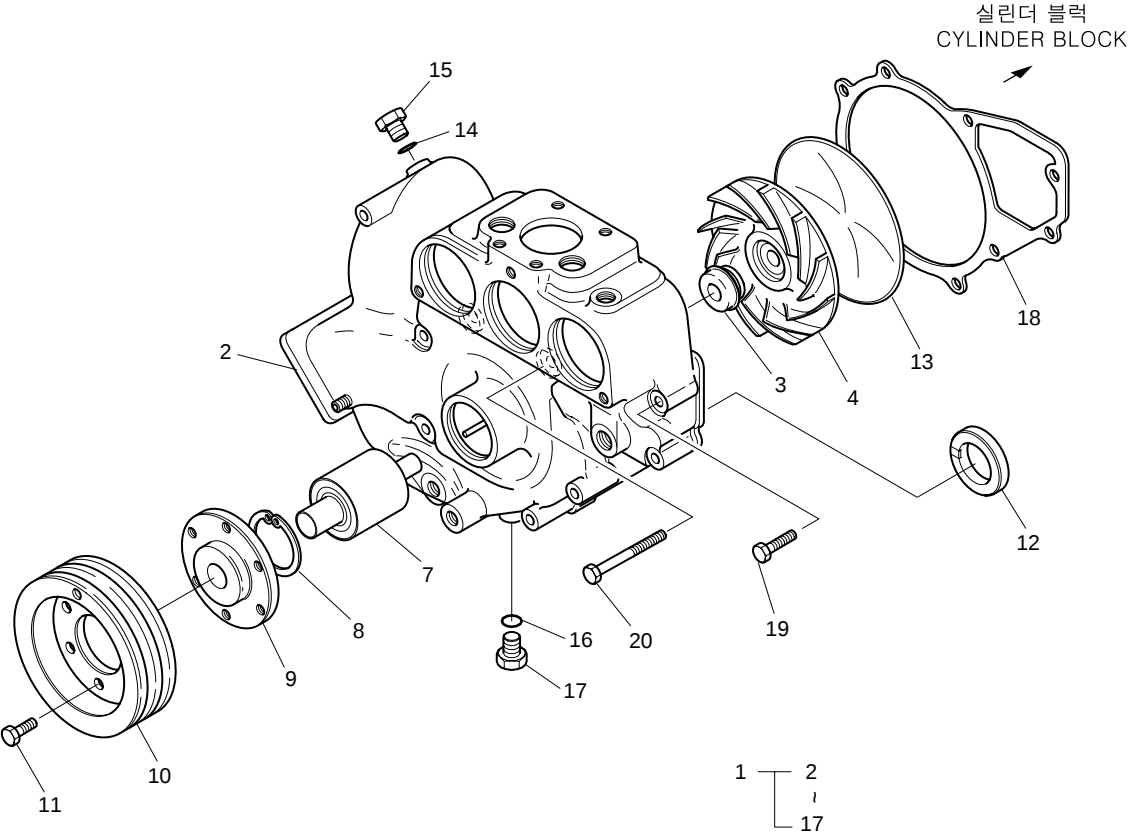


Fig.024 COOLING WATER PUMP(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
024-1	65.06500-6160		WATER PUMP ASS 'Y	1	1	1	1	1	1			
2	65.06501-0082	•	• HOUSING ; WATER PUMP	1	1	1	1	1	1			
3	65.06520-6007	•	• SEAL ; MECHANICAL	1	1	1	1	1	1			
4	65.06506-6001	•	• IMPELLER ASS 'Y	1	1	1	1	1	1			
5	65.06506-0025	• •	• • IMPELLER	1	1	1	1	1	1			
6	65.06504-0008	• •	• • ADAPTER	1	1	1	1	1	1			
7	65.93410-0024	•	• UNIT ; BEARING	1	1	1	1	1	1			
8	06.29020-0132	•	• RING ; SNAP 55×2	1	1	1	1	1	1			
9	65.06504-0013	•	• HUB ; FAN DRIVE	1	1	1	1	1	1			
10	65.06503-0098	• V-	• PULLEY ; V-BELT	1	1	1	1	1	1			
11	06.01913-3114	•	• BOLT ASS 'Y M8×22	6	6	6	6	6	6			
12	65.06320-0001	•	• MANIPULATOR	1	1	1	1	1	1			
13	65.06512-0017	•	• COVER ; WATER PUMP	1	1	1	1	1	1			
14	06.56190-0709	•	• RING ; SEAL A16×22	1	1	1	1	1	1			
15	06.08092-2405	•	• PLUG ; SCREW M16×1.5	1	1	1	1	1	1			
16	06.56190-0709		SEAL RING A16×22	1	1	1	1	1	1			
17	06.08092-2405		PLUG ; SCREW M16×1.5	1	1	1	1	1	1			
18	65.06901A0074	가	GASKET	1	1	1	1	1	1			
19	06.01923-3122		BOLT ASS 'Y M8×55	3	3	3	3	3	3			
20	06.01913-3128		HEX BOLT M8×85	3	3	3	3	3	3			

Fig.025 COOLING WATER PUMP(2)

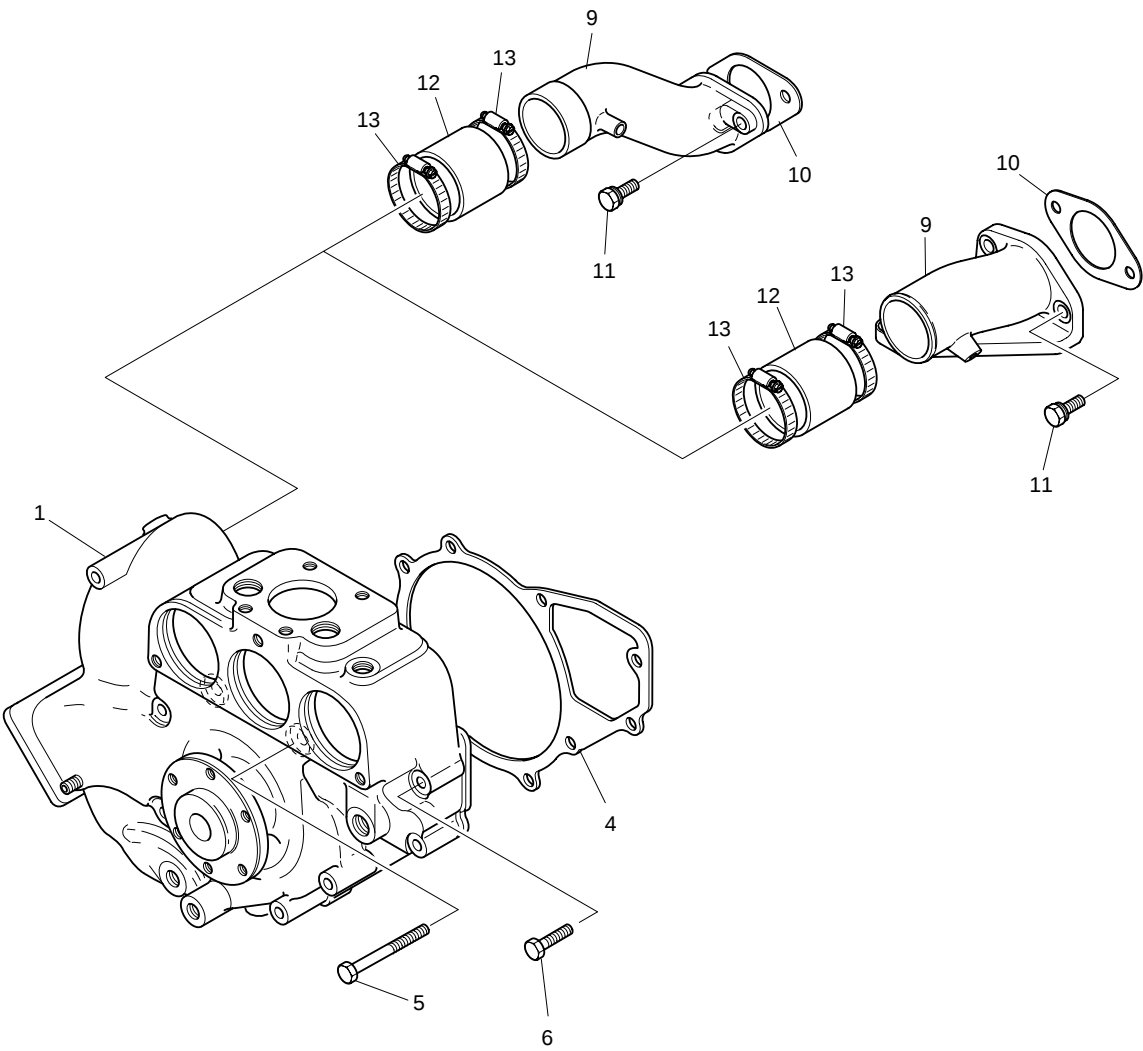


Fig.025 COOLING WATER PUMP(2)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
025-1	65.06500-6160		WATER PUMP ASS 'Y	1	1	1	1	1	1			
4	65.06901A0074	가	GASKET	1	1	1	1	1	1			
5	06.01913-3128		BOLT ; HEX. M8×85	3	3	3	3	3	3			
6	06.01923-3122		BOLT ASS 'Y M8×55	3	3	3	3	3	3			
9	65.06301-0091		PIPE ; COOLING WATER	-	-	1	1	-	-			
-	65.06301-0678		PIPE ; COOLING WATER	1	1	-	-	-	-			
-	65.06301-0163		PIPE ; COOLING WATER	-	-	-	-	1	1			
10	65.06903B0010	가	GASKET	1	1	1	1	1	1			
11	06.01913-3318		BOLT ; HEX. M12×1.75×35	2	2	2	2	4	4			
12	65.96301-0271		HOSE ; SIL. D75×80	1	1	1	1	1	1			
13	65.97440-0097		CLAMP ; HOSE NEW 64	4	4	4	4	4	4			

Fig.026 EXHAUST MANIFOLD

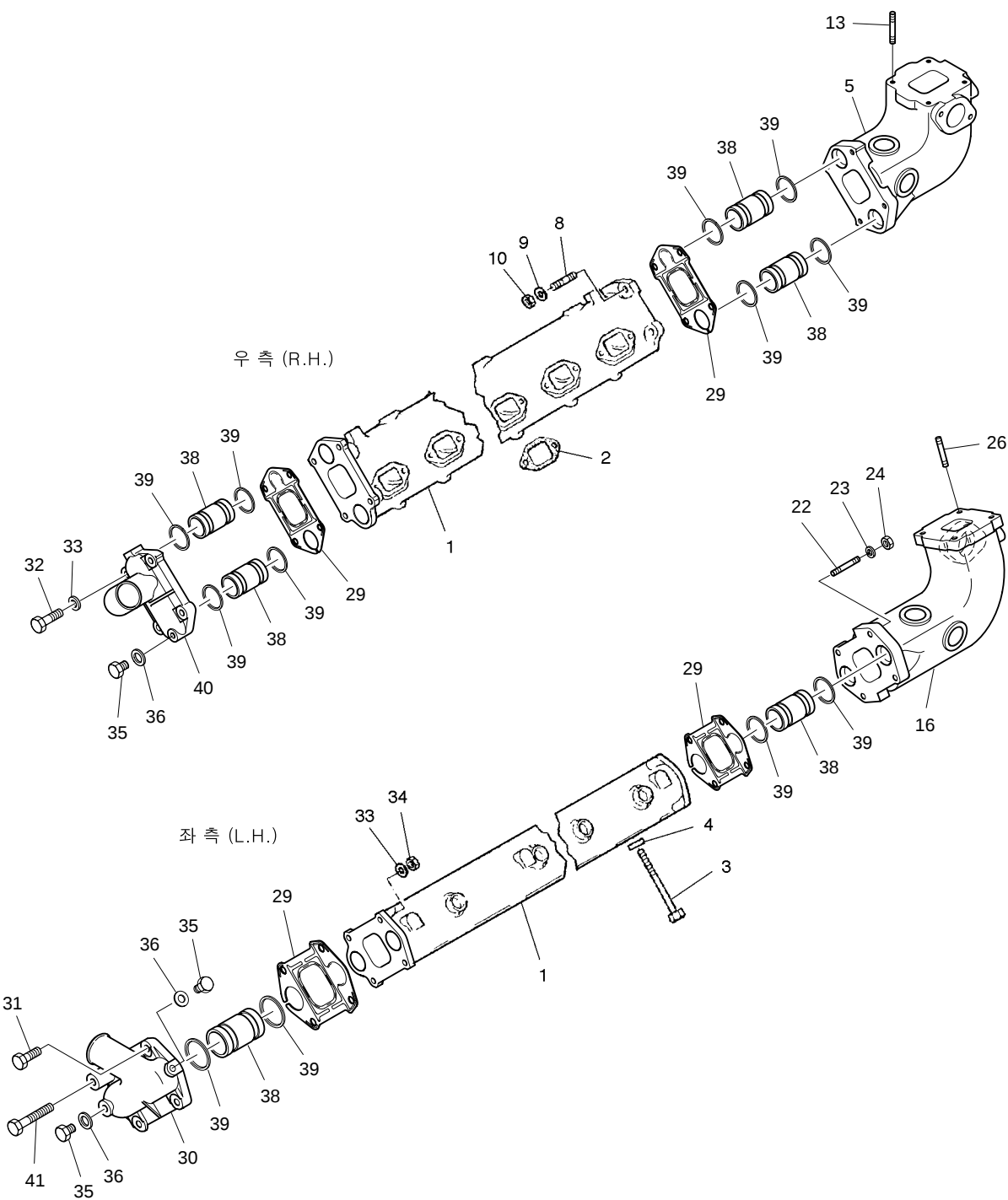


Fig.026 EXHAUST MANIFOLD

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
026-1	65.08101-6007	가	MANIFOLD ; EXHAUST	2	2	-	-	-	-			
-	65.08101-6008		MANIFOLD ; EXHAUST	-	-	2	2	-	-			
-	65.08101-6010		MANIFOLD ; EXHAUST	-	-	-	-	2	2			
2	65.08901-0023B		GASKET ; EXHAUST MANIFOLD	8	8	10	10	12	12			
3	06.01014-9229		BOLT ; HEX. M10×140	18	18	20	20	24	24			
4	06.16731-2108		WASHER ; SPRING A10	18	18	20	20	24	24			
5	65.08101-6011		MANIFOLD ; EXHAUST	1	1	1	1	1	1			
8	65.90201-0144		BOLT ; STUD M12×1.5×38	4	4	4	4	4	4			
9	06.16731-2109		WASHER ; SPRING A12	4	4	4	4	4	4			
10	06.11063-9216		NUT ; HEX. M12×1.5	4	4	4	4	4	4			
13	65.90201-0072	()	BOLT ; STUD M10×1.5×30	4	4	4	4	4	4			
16	65.08101-6002		MANIFOLD ; EXHAUST(L.H.)	1	1	1	1	1	1			
22	65.90201-0144		BOLT ; STUD M12×1.5×38	4	4	4	4	4	4			
23	06.16731-2109		WASHER ; SPRING A12	4	4	4	4	4	4			
24	06.11063-9216		NUT ; HEX. M12×1.5	4	4	4	4	4	4			
26	65.90201-0072		BOLT ; STUD M10×1.5×30	4	4	4	4	4	4			
29	60.08901-0015		GASKET	4	4	4	4	4	4			
30	60.08116-0012		COVER	1	1	1	1	1	1			
31	06.01493-4311		BOLT ; HEX. M12×60	3	3	3	3	3	3			
32	06.01493-4307		BOLT ; HEX. M12×40	4	4	4	4	4	4			
33	06.16731-2109	O-	WASHER ; SPRING A12	8	8	8	8	8	8			
34	06.11063-9216		NUT ; HEX. M12×1.5	4	4	4	4	4	4			
35	06.08092-2424		SCREW ; PLUG M14×1.5	3	3	3	3	3	3			
36	06.56190-0706		RING ; SEAL A14×20	3	3	3	3	3	3			
38	65.06301-0161		PIPE	8	8	8	8	8	8			
39	06.56026-0103		O-RING	16	16	16	16	16	16			
40	65.08116-0010		COVER	1	1	1	1	1	1			
41	06.01493-4317		BOLT : HEX. M12×90	1	1	1	1	1	1			

Fig.027 INTAKE MANIFOLD

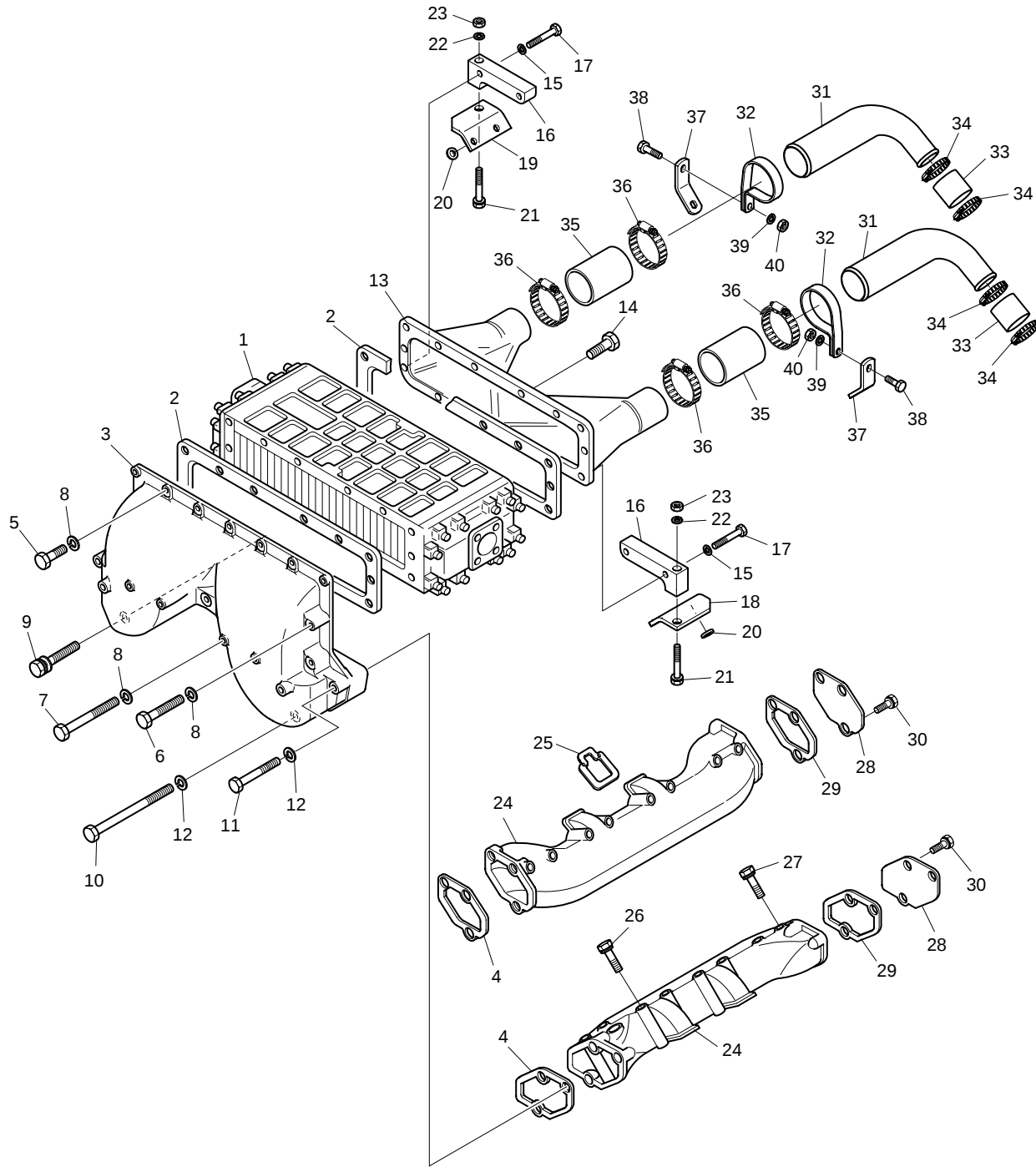


Fig.027 INTAKE MANIFOLD

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
027-1	65.09500-7002		INTER COOLER	1	1	1	1	-	-			
-	65.09500-7021		INTER COOLER	-	-	-	-	1	1			
2	65.09904-0011A	가	GASKET	2	2	2	2	2	2			
3	65.09411-0094		BEND ; AIR	1	1	1	1	1	1			
4	65.08902A0057	가	GASKET	2	2	2	2	2	2			
5	06.01923-3117		BOLT ; HEX. M8×30	10	10	10	10	10	10			
6	06.01913-3123		BOLT ; HEX. M8×60	2	2	2	2	2	2			
7	06.01013-9127		BOLT ; HEX. M8×120	4	4	4	4	4	4			
8	06.15010-2311		WASHER 8.4	6	6	6	6	6	6			
9	06.01923-3228		BOLT ASS'Y M10×85	3	3	3	3	3	3			
10	06.01013-9231		BOLT ; HEX. M10×160	1	1	1	1	1	1			
11	06.01013-9227		BOLT ; HEX. M10×120	2	2	2	2	2	2			
12	06.16044-0210		WASHER ; SPRING A10	3	3	3	3	3	3			
13	65.09411-0100		INLET ; AIR	1	1	1	1	1	1			
14	06.01923-3117		BOLT ; HEX. M8×30	12	12	12	12	12	12			
16	65.97480-0618A		HOLDER	2	2	2	2	2	2			
17	06.01913-3122		BOLT ; HEX. M8×55	2	2	2	2	2	2			
18	65.97480-0179		HOLDER	-	-	-	-	1	1			
-	65.97480-0620		HOLDER	1	1	1	1	-	-			
-	65.97480-0179		HOLDER	-	-	-	-	1	1			
-	65.97480-0619		HOLDER	1	1	1	1	-	-			
20	65.90710-0080		SPACER	4	4	4	4	6	6			
21	06.01913-3124		BOLT ASS'Y M8×65	2	2	2	2	2	2			
22	06.15010-2311		WASHER 8.4	6	6	6	6	6	6			
23	06.11063-8214		NUT ; HEX. M8	2	2	2	2	2	2			
24	65.08201-5366		MANIFOLD ; INTAKE	-	-	-	-	2	2			
-	65.08201-5400		MANIFOLD ; INTAKE	-	-	2	2	-	-			
-	65.08201-5250A		MANIFOLD ; INTAKE	2	2	-	-	-	-			
25	65.08902-0078	가	GASKET	8	8	10	10	12	12			
26	06.01923-3132		BOLT ASS'Y M8×110	8	8	8	8	8	8			
27	06.01923-3129		BOLT ASS'Y M8×90	8	8	12	12	16	16			
28	65.08203-0001		COVER	2	2	2	2	2	2			
29	65.08902A0057	가	GASKET	2	2	2	2	2	2			
30	06.01913-3217		BOLT ASS'Y M10×30	6	6	6	6	6	6			
31	65.09411-0074		INLET ; AIR	2	2	-	-	-	-			
-	65.09411-0080		INLET ; AIR	-	-	2	-	-	-			
-	65.09411-0098		INLET ; AIR	-	-	-	-	2	2			
-	65.09411-0099		INLET ; AIR	-	-	-	2	-	-			
32	65.97401-0176		CLIP ; PIPE	2	2	2	2	-	-			
33	65.96301-0263		HOSE ; SILICON RUBBER	2	2	-	2	-	-			
-	65.96301-0270		HOSE ; SILICON	-	-	2	-	2	2			
34	65.97440-0100		CLAMP ; HOSE	4	4	-	4	-	-			
-	65.97440-0002		CLAMP ; POWER	-	-	4	-	4	4			
35	65.96301-0270		HOSE ; SILICON	2	2	2	2	2	2			
36	65.97440-0002		CLAMP ; POWER	4	4	4	4	4	4			

Fig.027 INTAKE MANIFOLD

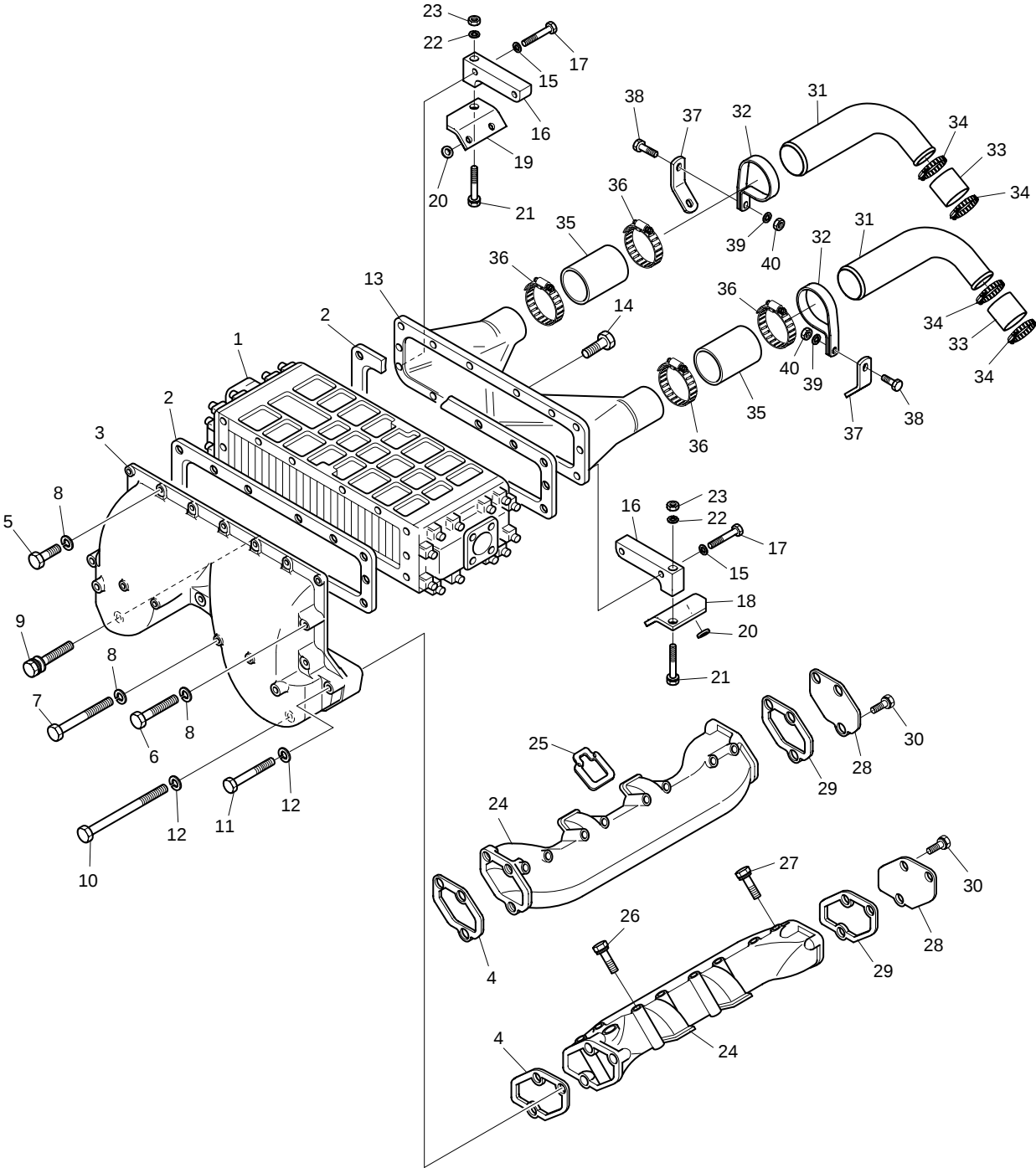


Fig.027 INTAKE MANIFOLD

Key No.	Part No.	Description	(Q ty)						S. C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158	158	180	180	222	222			
			TI	TI	TI	TI	TI	TI			
37	65.97480-0188	HOLDER	2	2	2	2	2	2			
38	06.01283-7117	BOLT ; HEX M8X30	2	2	2	2	2	2			
39	06.15010-2311	WASHER	2	2	2	2	2	2			
40	06.11063-8214	NUT ; HEX M8	2	2	2	2	2	2			

Fig.028 TURBO CHARGER

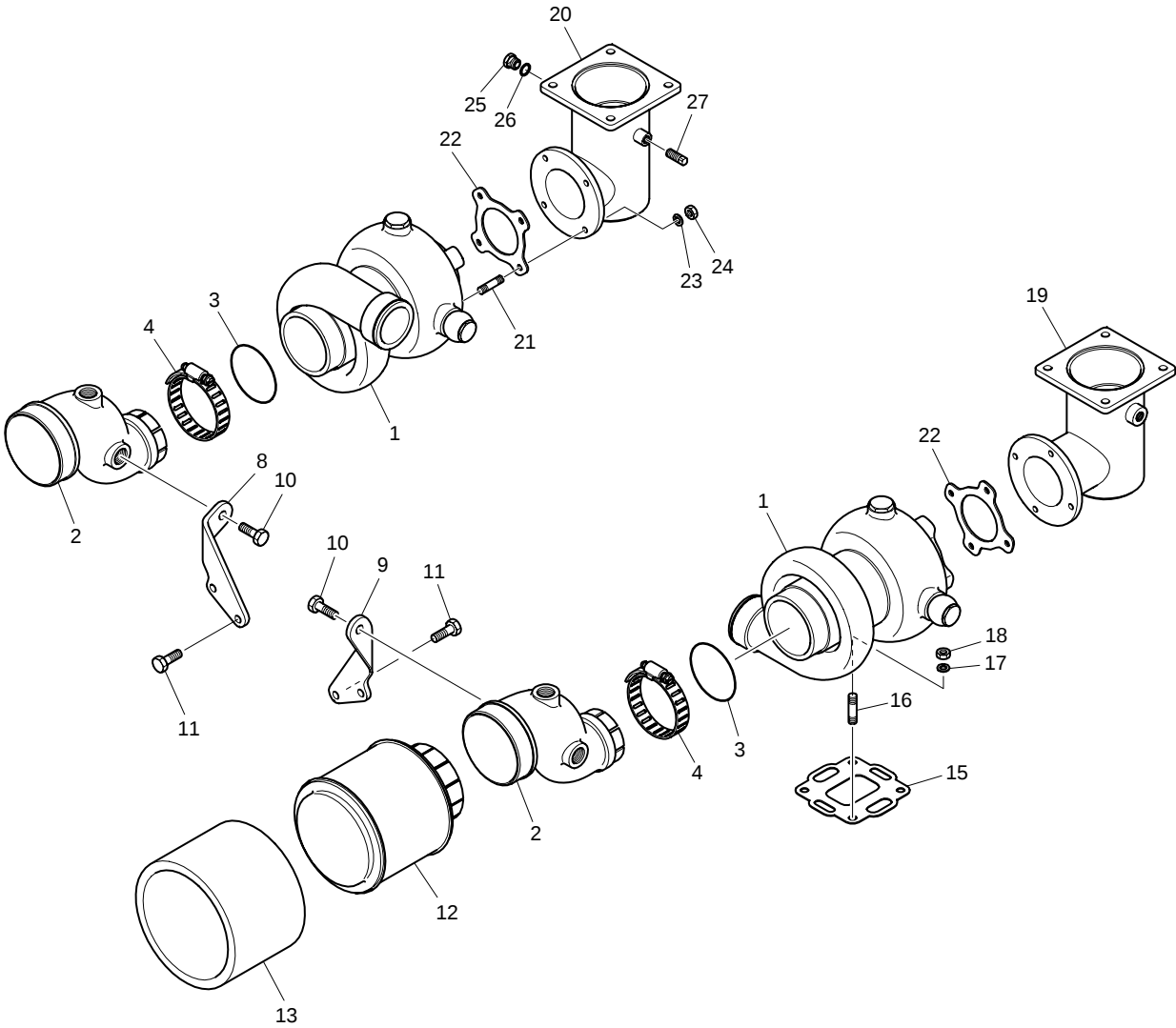


Fig.028 TURBO CHARGER

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
028-1	65.09100-7188		CHARGER ; TURBO	-	-	2	-	2	2			
-	65.09100-7054		CHARGER ; TURBO	2	2	-	2	-	-			
2	65.08202-0117		STAKE ; INTAKE	-	-	2	-	2	2			
-	65.08202-0134		STAKE ; INTAKE	-	-	-	2	-	-			
-	65.08202-0267		STAKE ; INTAKE	2	2	-	-	-	-			
3	65.96501-0075	O-	O-RING	-	-	2	-	2	2			
-	65.96501-0028	O-	O-RING	2	2	-	2	-	-			
4	65.97440-0093		CLAMP ; HOSE	-	-	2	-	2	2			
-	65.97440-0097		CLAMP ; HOSE	2	2	-	2	-	-			
8	65.97480-0651A		HOLDER	1	1	1	1	1	1			
9	65.97480-0650A		HOLDER	1	1	1	1	1	1			
10	06.01953-3317		BOLT ASS 'Y M12×30	2	2	2	2	2	2			
11	06.09153-3217		BOLT ASS 'Y M10×30	4	4	4	4	4	4			
12	65.08301-5006		FILTER ; AIR	-	-	2	2	2	2			
-	65.08301-5008		FILTER ; AIR	2	2	-	-	-	-			
13	60.08304-0007		FILTER ; SPONGE	-	-	2	2	2	2			
-	65.08304-0003		FILTER ; SPONGE	2	2	-	-	-	-			
15	65.09901-0023	가	GASKET	2	2	2	2	2	2			
16	65.90201-0072		BOLT ; STUD	8	8	8	8	8	8			
17	06.16731-2108		SPRING ; WASHER A10	8	8	8	8	8	8			
18	65.90501-0047		NUT ; HEX. M10	8	8	8	8	8	8			
19	65.08112-5009		ELBOW ; EXHAUST	1	1	1	1	1	1			
20	65.08112-5010		ELBOW ; EXHAUST	1	1	1	1	1	1			
21	06.06225-0706		STUD ; BOLT	8	8	8	8	8	8			
22	65.09901-0020	가	GASKET	2	2	2	2	2	2			
23	06.16731-2107		SPRING ; WASHER A8	8	8	8	8	8	8			
24	06.11063-8214		NUT ; HEX. M8	8	8	8	8	8	8			
25	06.08092-2405		SCREW ; PLUG M16	2	2	2	2	2	2			
26	06.56190-0709		RING ; SEAL A16×22	2	2	2	2	2	2			
27	65.90310-0123		SCREW ; PLUG PT1/4	2	2	2	2	2	2			

Fig.029 NOZZLE HOLDER

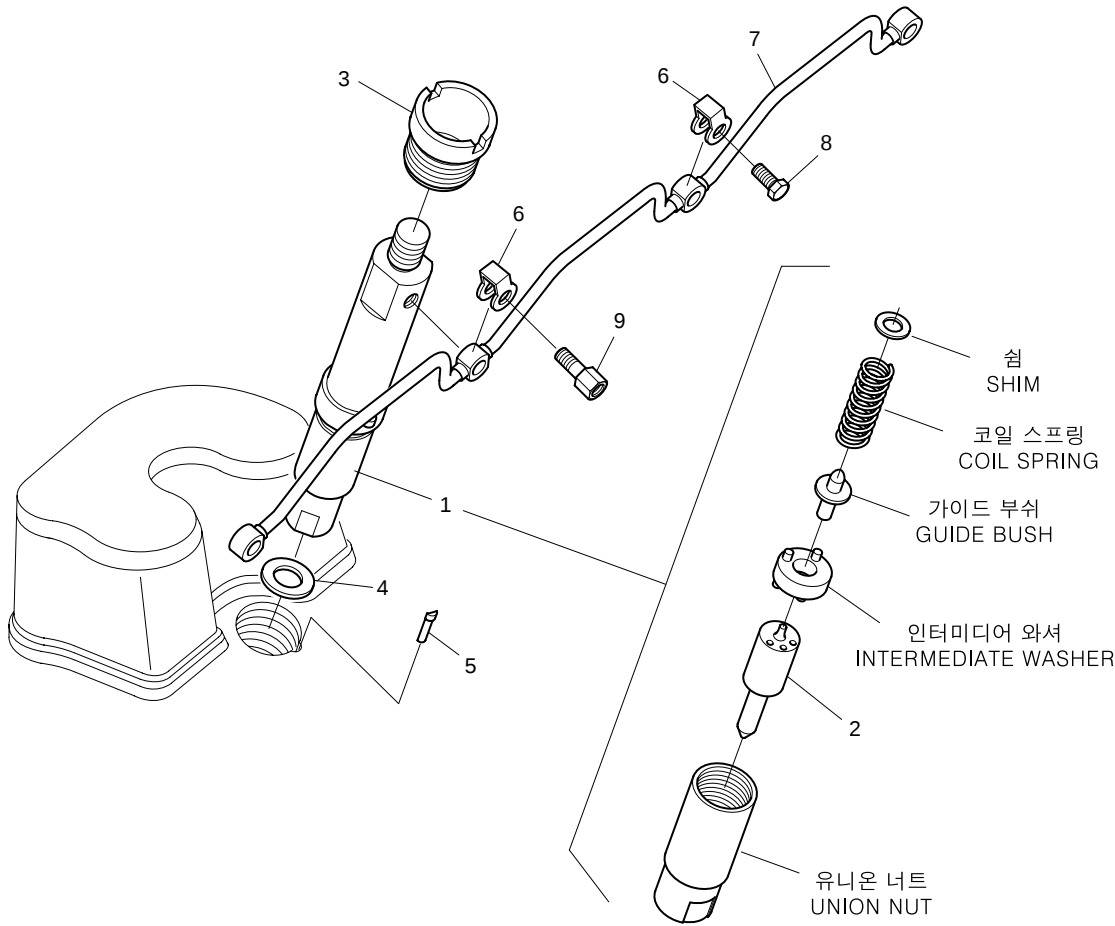


Fig.029 NOZZLE HOLDER

Key No.	Part No.	Description	(Q ty)						S.C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
029-1	65.10101-7053	NOZZLE HOLDER ASS 'Y	8	8	10	10	12	12			
2	65.10102-6070	TIP ; NOZZLE	8	8	10	10	12	12			
3	65.10108-0006	SCREW ; PRESSURE	8	8	10	10	12	12			
4	65.98701-0065	RING ; SEAL	8	8	10	10	12	12			
5	65.98701-0006	SEAL ; NOZZLE HOLDER	8	8	10	10	12	12			
6	65.96501-0348	RING ; DOUBLE SEAL	8	8	10	10	12	12			
7	65.12301-5142	PIPE ; FUEL OVER FLOW	2	2	-	-	-	-			
-	65.12301-5143	PIPE ; FUEL OVER FLOW	-	-	2	2	2	2			
-	65.12301-5144	PIPE ; FUEL OVER FLOW	-	-	-	-	2	2			
8	65.98150-0080	SCREW ; HOLLOW	6	6	8	8	10	10			
9	65.98150-0057	SCREW ; HOLLOW	2	2	2	2	2	2			

Fig.030 FUEL INJECTION PUMP

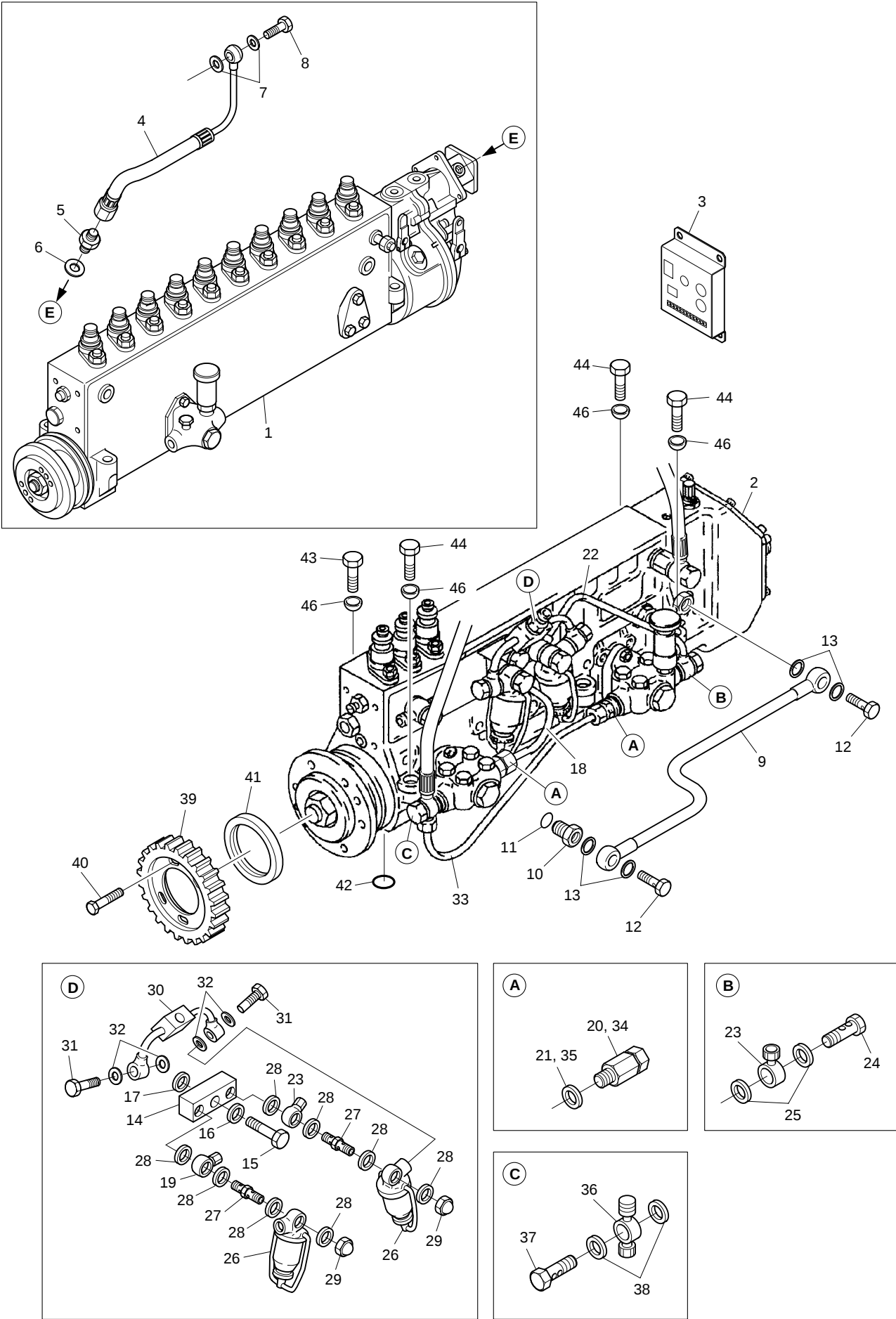


Fig.030 FUEL INJECTION PUMP

Key No.	Part No.	Description	(Q ty)						S. C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158	158	180	180	222	222			
			TI	TI	TI	TI	TI	TI			
030-1	65.11101-7680	INJECTION PUMP ASS Y	1	-	-	-	-	-			
-	65.11101-7332	INJ. PUMP ASS Y(MEDIUM DUTY)	1	-	-	-	-	-			
-	65.11101-7681	INJECTION PUMP ASS Y	-	-	1	-	-	-			
-	65.11101-7333	INJ. PUMP ASS Y(MEDIUM DUTY)	-	-	1	-	-	-			
-	65.11101-7682	INJECTION PUMP ASS Y	-	-	-	-	1	-			
-	65.11101-7334	INJ. PUMP ASS Y(MEDIUM DUTY)	-	-	-	-	1	-			
-	65.11101-7303	INJECTION PUMP ASS Y	-	-	-	-	-	1			
-	65.11101-7302	INJECTION PUMP ASS Y	-	-	-	1	-	-			
-	65.11101-7301	INJECTION PUMP ASS Y	-	1	-	-	-	-			
2	65.11501-7006	GOVERNOR ASS Y	-	1	-	1	-	1			
3	65.11220-7006	CONTROLLER ; ACTUATOR	-	1	-	1	-	1			
4	65.08310-6007	HOSE ; AIR	-	-	1	-	-	-			
-	65.08310-6008	HOSE ; AIR	1	-	-	-	-	-			
-	65.08310-6006	HOSE ; AIR	-	-	-	-	1	-			
5	06.78190-2205	NIPPLE	1	-	1	-	1	-			
6	06.56190-0704	RING ; SEAL A12×18	1	-	1	-	1	-			
7	65.98150-0053	SCREW ; HOLLOW	1	-	1	-	1	-			
8	06.56180-0714	RING ; SEAL A10×15	2	-	2	-	2	-			
9	65.05701-5357	OIL RET. PIPE ASS Y	-	-	1	1	-	-			
-	65.05701-5355	OIL PIPE ASS Y (I/P)	1	1	-	-	-	-			
-	65.05701-5360	OIL PIPE ASS Y (I/P)	-	-	-	-	1	1			
10	65.98130-0151	ADAPTER ; SCREW	-	-	1	1	1	1			
11	06.56190-0726	RING ; SEAL 26×31	-	-	1	1	1	1			
12	06.78144-2204	SCREW ; HOLLOW NW10	-	-	2	2	2	2			
13	06.56190-0706	RING ; SEAL A14×20	-	-	4	4	4	4			
14	65.12340-0001	PIECE ; CONNECTION	-	-	1	1	1	1			
15	06.01494-4407	BOLT ; HEX. M14×1.5×40	-	-	1	1	1	1			
16	06.16044-0213	SPRING ; WASHER B14	-	-	1	1	1	1			
17	06.15010-2316	WASHER 17	-	-	1	1	1	1			
18	65.12301-0001	PIPE ; FUEL	-	-	1	1	1	1			
19	65.98103-6001	UNION ; BANJO	-	-	1	1	1	1			
20	06.71010-0213	NIPPLE ; UNION (CM10)	-	-	1	1	1	1			
21	06.56190-0706	RING ; SEAL A14×20	-	-	1	1	1	1			
22	65.12301-0004	PIPE ; FUEL	-	-	1	1	-	-			
-	65.12301-0005A	PIPE ; FUEL	-	-	-	-	1	1			
23	65.98103-6001	UNION ; BANJO	-	-	2	2	2	2			
24	06.78144-2204	SCREW ; HOLLOW NW10	-	-	1	1	1	1			
25	06.56190-0706	RING ; SEAL A14×20	-	-	2	2	2	2			
26	65.12501-7018	FUEL FILTER ASS Y	-	-	2	2	2	2			
27	65.98150-0064	SCREW ; HOLLOW	-	-	2	2	2	2			
28	06.56190-0706	RING ; SEAL A14×20	-	-	8	8	8	8			
29	06.12172-9316	NUT ; CAP M14×1.5	-	-	2	2	2	2			
30	65.12301-5831B	PIPE ; FUEL	-	-	1	1	1	1			
31	06.78144-2204	SCREW ; HOLLOW NW10	-	-	2	2	2	2			
32	06.56190-0706	RING ; SEAL A14×20	-	-	4	4	4	4			

Fig.030 FUEL INJECTION PUMP

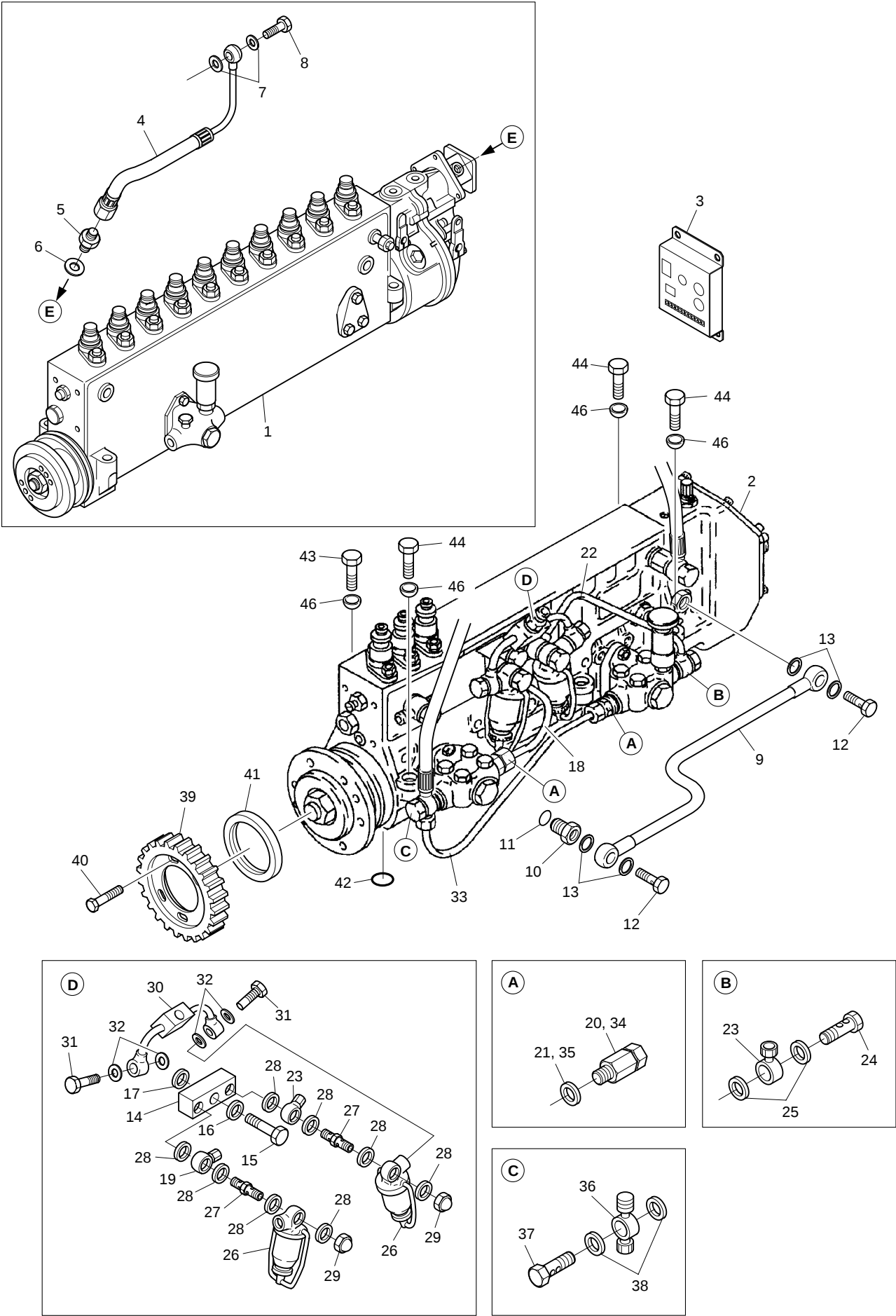


Fig.030 FUEL INJECTION PUMP

Key No.	Part No.	Description	(Q ty)						S.C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
030-33	65.12301-0002	PIPE ; FUEL	-	-	1	1	-	-			
-	65.12301-0003	PIPE ; FUEL	-	-	-	-	1	1			
34	06.71010-0213	NIPPLE UNION (CM10)	-	-	1	1	1	1			
35	06.56190-0706	SEAL RING A14×20	-	-	1	1	1	1			
36	65.98103-6002	UNION ; BANJO	-	-	1	1	1	1			
37	06.78144-2204	SCREW ; HOLLOW NW10	-	-	1	1	1	1			
38	06.56190-0706	RING ; SEAL A14×20	-	-	2	2	2	2			
39	65.11301-0115A	GEAR ; INJECTION PUMP DRIVE	1	1	1	1	1	1			
40	06.01284-7112	BOLT ; HEX. M8×18	6	6	6	6	6	6			
41	65.90710-0001A	SPACER	6	6	6	6	6	6			
42	51.96501-0322	O-RING	1	1	1	1	1	1			
43	51.96501-0295	O-RING	1	1	1	1	1	1			
44	65.90001-0146A	BOLT ; HEX.	3	3	3	3	5	5			
45	06.01014-7225	BOLT ; HEX. M10×100	1	1	1	1	1	1			
46	06.15061-0103	WASHER ; BALL C10.5	4	4	4	4	6	6			

Fig.031 FUEL HOSE

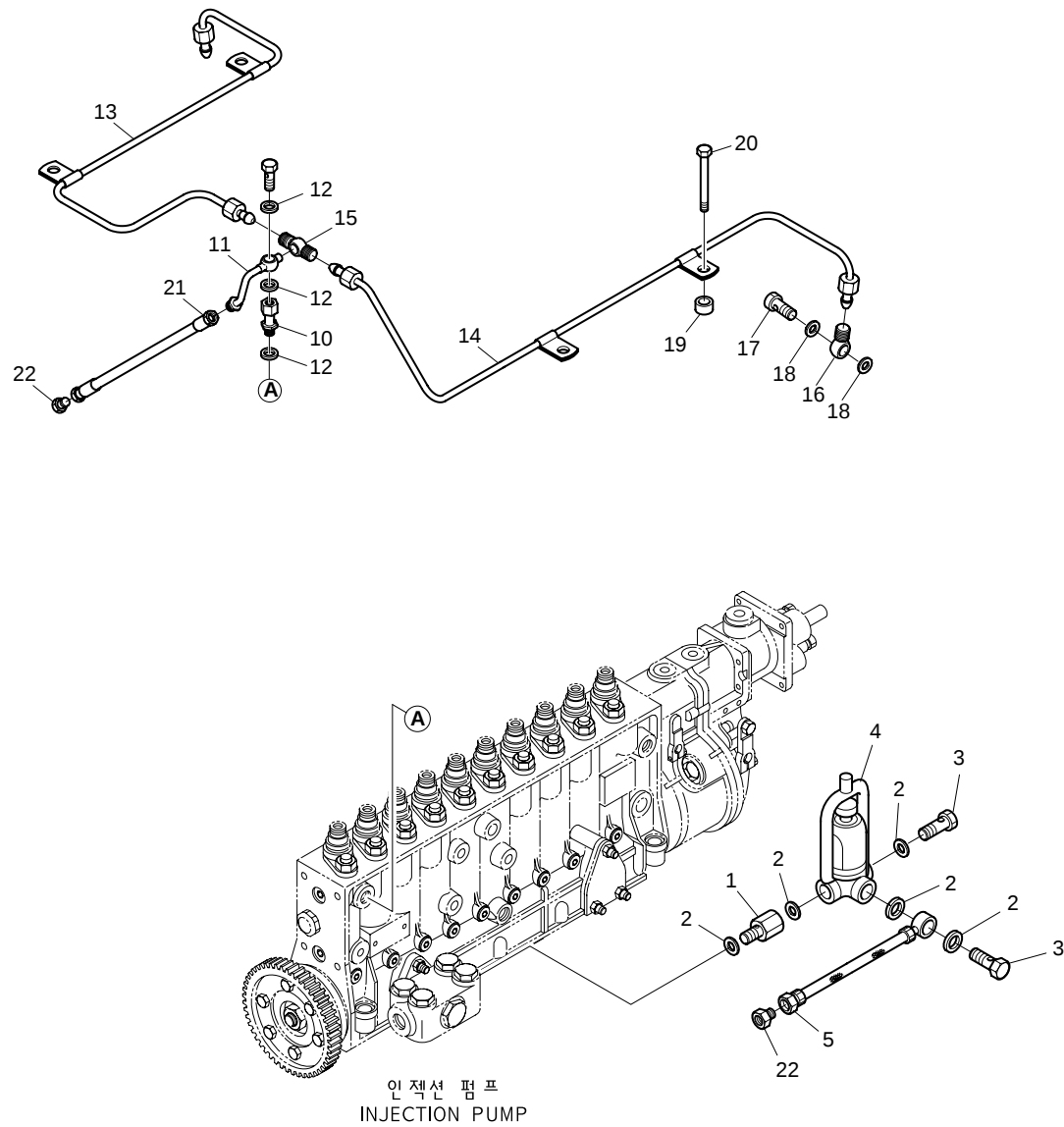


Fig.031 FUEL HOSE

Key No.	Part No.	Description	(Q ty)						S.C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
031-1	65.98130-0087	ADAPTER	1	1	-	-	-	-			
2	06.56190-0706	RING ; SEAL A14×20	5	5	-	-	-	-			
3	06.78144-2204	SCREW ; HOLLOW NW10	2	2	-	-	-	-			
4	65.12501-7018	FUEL STRAINER ASS Y	1	1	-	-	-	-			
5	60.96340-5011	HOSE ; FUEL	1	1	-	-	-	-			
10	65.98130-0128	ADAPTER	1	1	1	1	1	1			
11	65.12301-5215	PIPE ; FUEL	1	1	1	1	1	1			
12	06.56190-0706	RING ; SEAL A14×20	3	3	3	3	3	3			
13	65.12301-6002	PIPE ; FUEL	1	1	1	1	1	1			
14	65.12301-6003	PIPE ; FUEL	1	1	1	1	1	1			
15	65.98103-0028	UNION ; BANJO	1	1	1	1	1	1			
16	65.98103-0027	UNION ; BANJO	2	2	2	2	2	2			
17	65.98150-0042A	SCREW ; HOLLOW M8X1	3	3	3	3	3	3			
18	06.56180-0712	RING ; SEAL A8×14	6	6	6	6	6	6			
19	65.91701-0184	SPACER	2	2	2	2	2	2			
20	06.01923-3132	BOLT ASS Y	2	2	2	2	2	2			
21	65.96340-5037	HOSE ; RUBBER ; RING JOINT	1	1	1	1	1	1			
22	06.76030-0108	CONNECTION SCREW	4	4	4	4	4	4			

Fig.032 FUEL INJECTION PIPE(1)

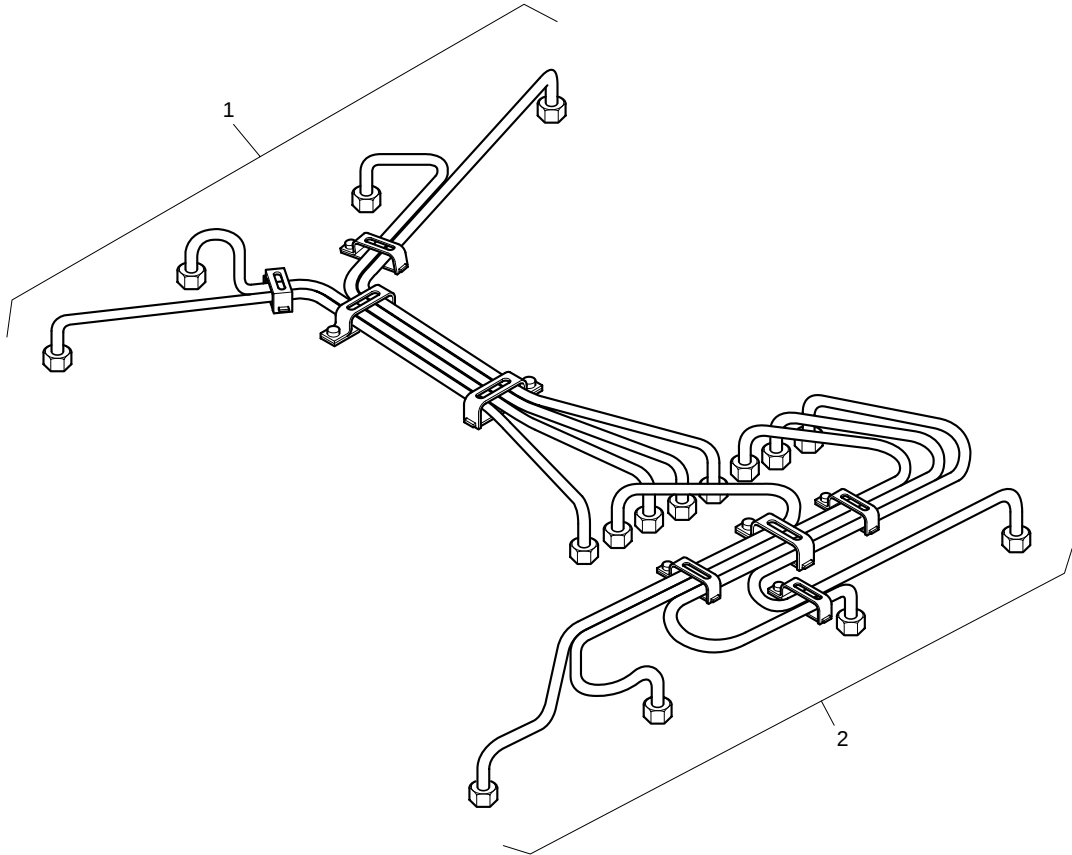


Fig.032 FUEL INJECTION PIPE(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
032-1	65.10301-6053		INJECTION PIPE ASS Y NO.1~4	1	1	-	-	-	-			
2	65.10301-6054		INJECTION PIPE ASS Y NO.5~8	1	1	-	-	-	-			

Fig.033 FUEL INJECTION PIPE(2)

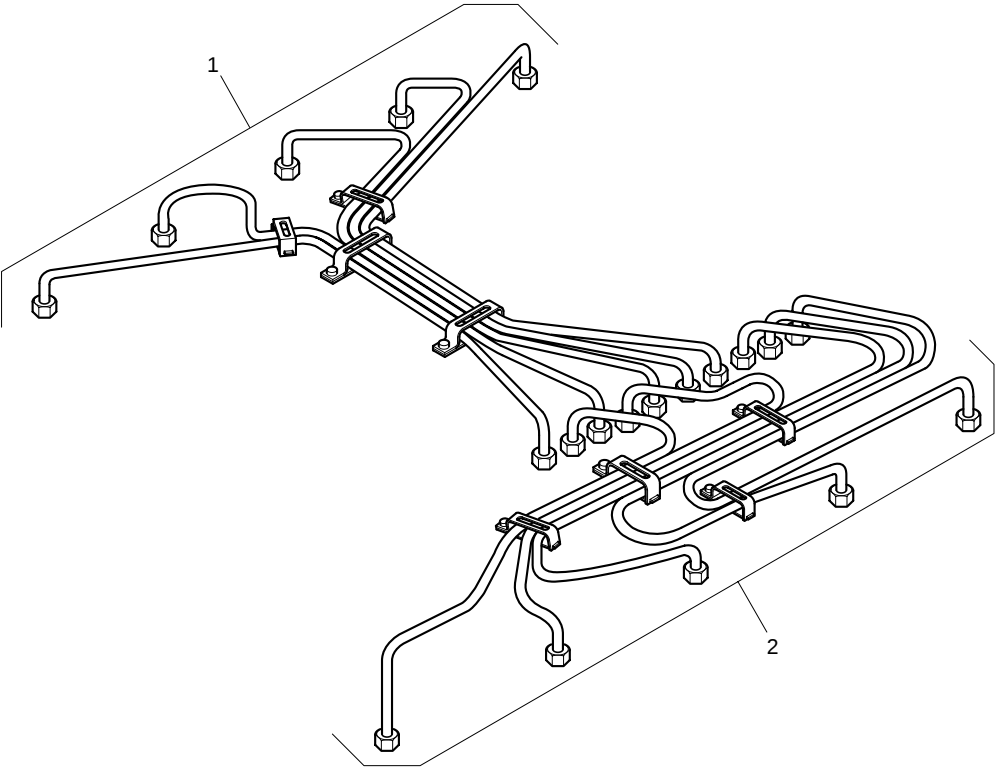


Fig.033 FUEL INJECTION PIPE(2)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
033-1	65.10301-6055		INJECTION PIPE ASS Y NO.1~5	-	-	1	1	-	-			
2	65.10301-6056		INJECTION PIPE ASS Y NO.6~10	-	-	1	1	-	-			

Fig.034 FUEL INJECTION PIPE(3)

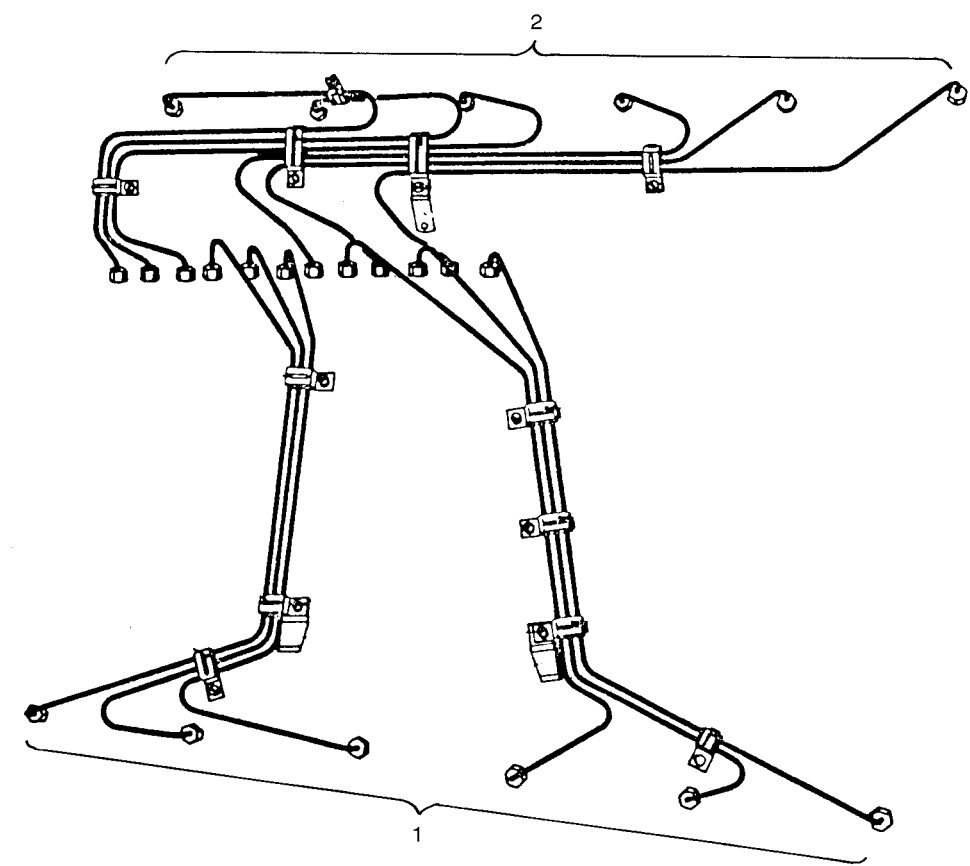


Fig.034 FUEL INJECTION PIPE(3)

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
034-1	65.10301-6057		INJECTION PIPE ASS Y NO.1~6	-	-	-	-	1	1			
2	65.10301-6058		INJECTION PIPE ASS Y NO.7~12	-	-	-	-	1	1			

Fig.035 FUEL FILTER

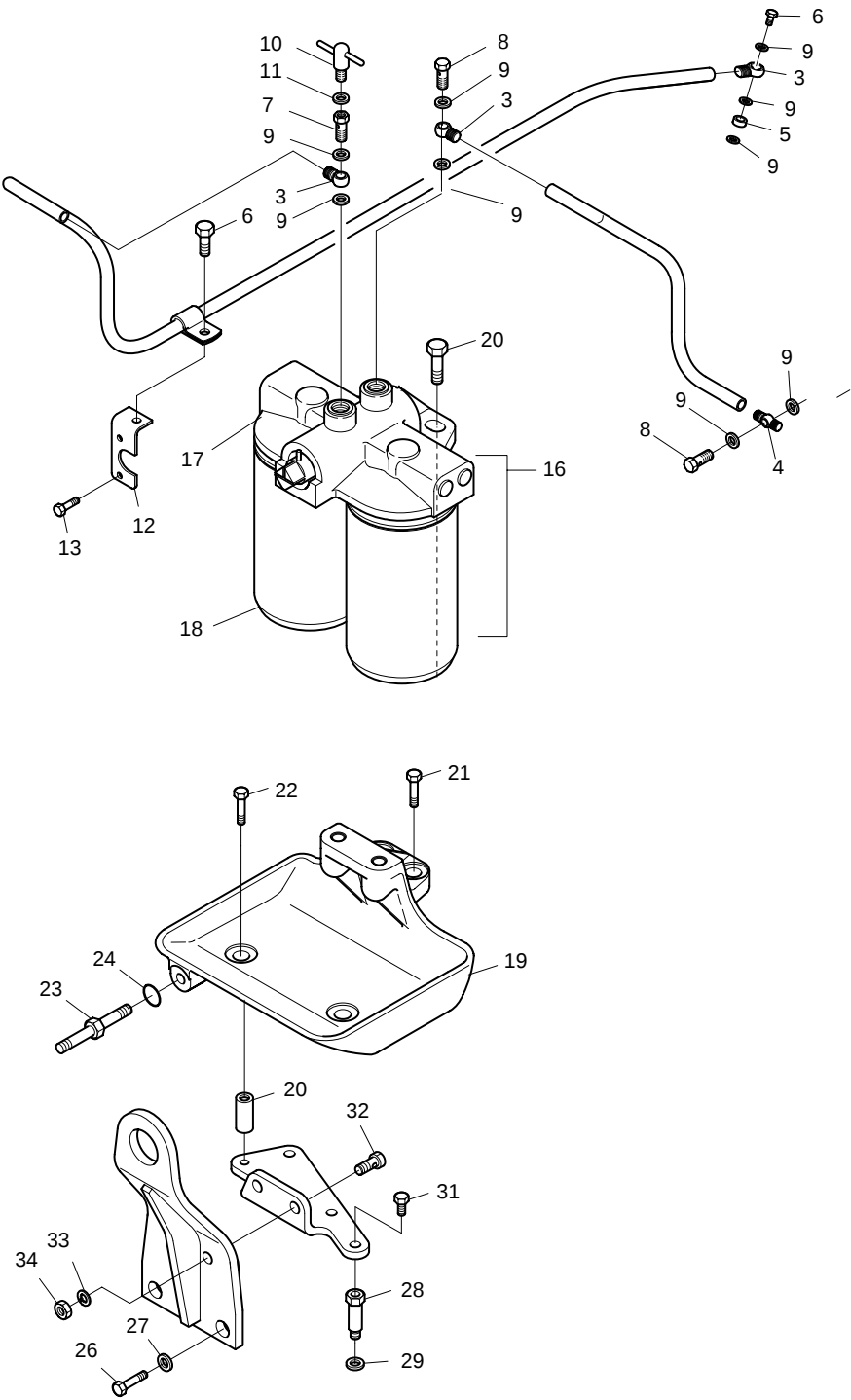


Fig.035 FUEL FILTER

Key No.	Part No.	Description	(Q ty)						S.C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
035-1	65.12301-0006	PIPE ; FUEL	1	1	1	1	1	1			
2	65.12301-0007	PIPE ; FUEL	-	-	-	-	1	1			
-	65.12301-0008	PIPE ; FUEL	-	-	1	1	-	-			
-	65.12301-0009	PIPE ; FUEL	1	1	-	-	-	-			
3	65.98103-6001	UNION ; BANJO	3	3	3	3	3	3			
4	65.98103-6003	UNION ; BANJO	-	-	1	1	1	1			
-	65.98103-6001	UNION ; BANJO	1	1	-	-	-	-			
5	65.91701-0183	S[ACER	1	1	1	1	1	1			
6	06.78144-2204	HOLLOW SCREW NW10	1	1	1	1	1	1			
7	65.98150-0029	HOLLOW SCREW	1	1	1	1	1	1			
8	06.78144-2204	HOLLOW SCREW NW10	2	2	2	2	2	2			
9	06.56190-0706	SEAL RING A14X20	9	9	9	9	9	9			
10	65.12509-5002	BREATHER SCREW	1	1	1	1	1	1			
11	65.96507-0003	RING SEAL A8X12	1	1	1	1	1	1			
12	65.97480-5010	HOLDER	1	1	1	1	1	1			
13	06.01913-2911	BOLT ASS 'Y M6X16	2	2	2	2	2	2			
14	65.97401-0110A	PIPE ; CLIP	1	1	1	1	1	1			
15	06.01923-3111	BOLT ASS 'Y M8X16	1	1	1	1	1	1			
16	65.12501-7034A	FUEL FILTER ASS,Y	1	1	1	1	1	1			
17	65.12504-5018A	F/F HEAD ASS 'Y	1	1	1	1	1	1			
18	65.12503-5017	ELEMENT ; FUEL FILTER	2	2	2	2	2	2			
19	65.12540-5027	BRACKET; FUEL FILTER	1	1	1	1	1	1			
20	65.91701-0532	SPACER	2	2	2	2	2	2			
21	06.01953-3318	BOLT ASS 'Y M12X1.5X35	4	4	4	4	4	4			
22	06.01923-3226	BOLT ASS 'Y M12X75	2	2	2	2	2	2			
23	65.98130-0005	ADAPTER	1	1	1	1	1	1			
24	06.56180-0714	SEAL RING A10X15	1	1	1	1	1	1			
25	65.19202-5006	HOOK ; LIFTING	1	1	1	1	1	1			
26	06.01283-7519	BOLT ; HEX M16X2X40	2	2	2	2	2	2			
27	06.16731-2111	WASHER ; SP.A16	2	2	2	2	2	2			
28	65.91701-0549	SPACER	1	1	1	1	1	1			
29	06.56190-0726	SEAL RING 26X31	1	1	1	1	1	1			
30	65.97480-0191	HOLDER	1	1	1	1	1	1			
31	06.01913-3216	BOLT ; HEX M10X28	2	2	2	2	2	2			
32	06.01283-7218	BOLT ; HEX M10X35	2	2	2	2	2	2			
33	06.01283-7218	WASHER ; SP A10	2	2	2	2	2	2			
34	06.11063-8215	NUT ; HEX M10	2	2	2	2	2	2			

Fig.036 EXHAUST PIPE

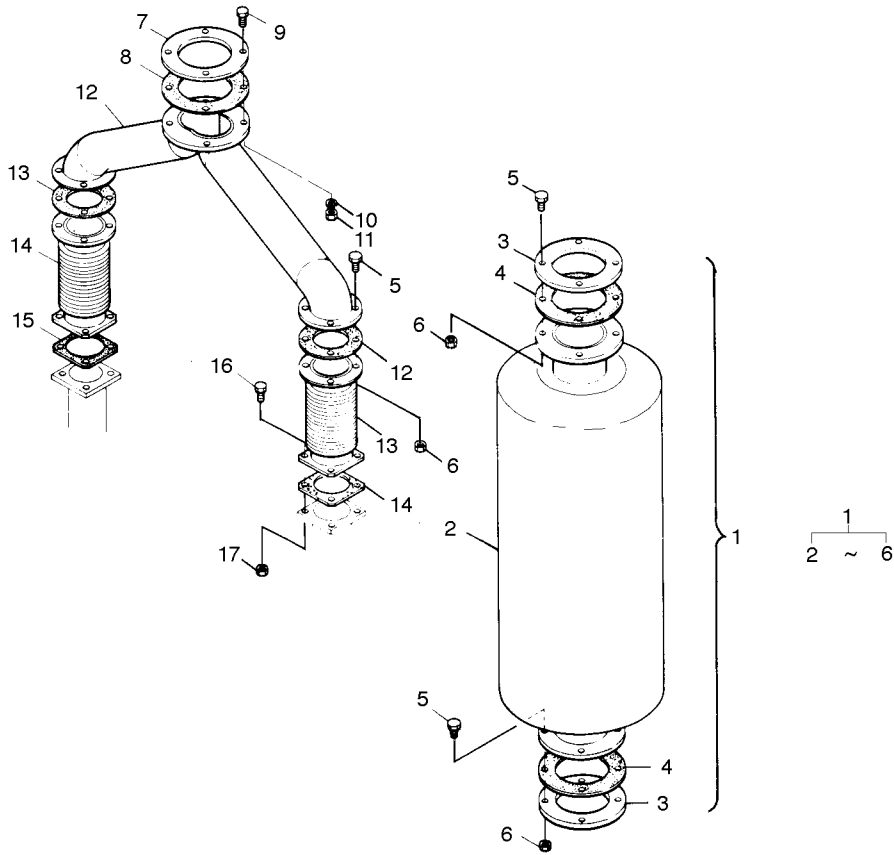
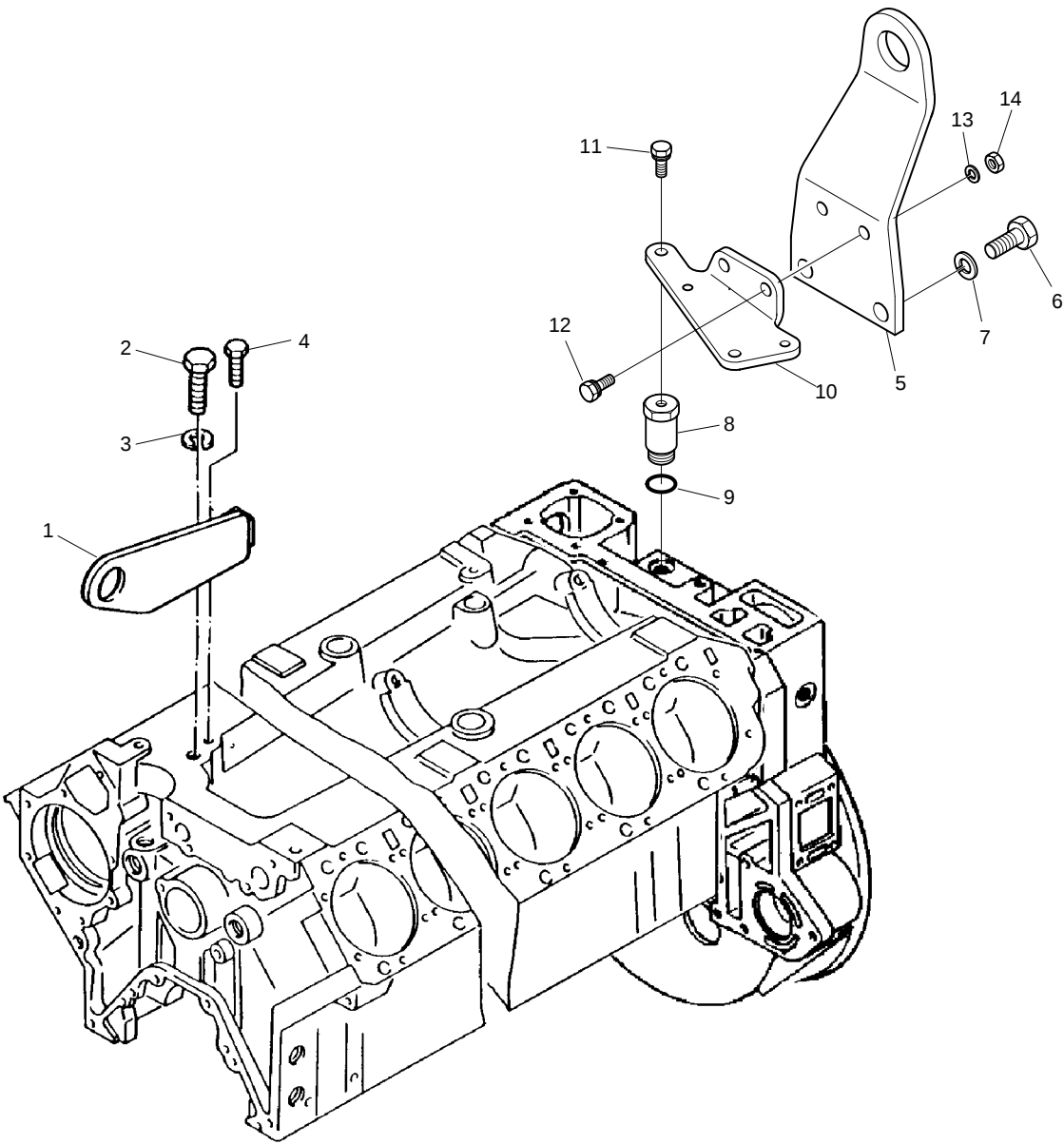


Fig.036 EXHAUST PIPE

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V 158 TI	AD 158 TI	V 180 TI	AD 180 TI	V 222 TI	AD 222 TI			
036-1	60.15101-6002		SILENCER ASS 'Y	1	-	1	-	1	-			
2	60.15101-5007		SILENCER	1	-	1	-	1	-			
3	60.15202-0005		FLANGE	2	-	2	-	2	-			
4	60.15902A0003	가	GASKET	2	-	2	-	2	-			
5	06.01493-4509		BOLT ; HEX. M16×50	8	-	8	-	8	-			
6	06.11063-9218		HEX ; NUT M16	8	-	8	-	8	-			
7	60.15202-0005		FLANGE	1	-	1	-	1	-			
8	60.15902A0003	가	GASKET	1	-	1	-	1	-			
9	06.01493-4509		BOLT ; HEX. M16×1.5×50	4	-	4	-	4	-			
10	06.16731-2111		WASHER ; SPRING A16	4	-	4	-	4	-			
11	06.11063-9218		NUT ; HEX. M16×1.5	4	-	4	-	4	-			
12	65.15201-5005		PIPE ; EX.	1	-	1	-	1	-			
13	67.15902A0012	가	GASKET ; EXHAUST PIPE	2	-	2	-	2	-			
14	65.15211-5003		BELLOWS	2	-	2	-	2	-			
15	65.15901-0010	가	GASKET	2	-	2	-	2	-			
16	06.01913-3217		BOLT ASS 'Y M10×30	8	-	8	-	8	-			
17	06.11063-8215		NUT	8	-	8	-	8	-			

Fig.037 LIFTING HOOK

Fig.037 LIFTING HOOK



Key No.	Part No.	Description	(Q ty)						S. C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
037-1	65.19202-5004	HOOK ; LIFTING	1	1	1	1	1	1			
2	06.01283-7720	BOLT ; HEX. M20×45	1	1	1	1	1	1			
3	06.16731-2113	WASHER ; SPRING A20	1	1	1	1	1	1			
4	06.01913-3217	BOLT ASS 'Y M10×30	1	1	1	1	1	1			
5	65.19202-5006	HOOK ; LIFTING(REAR)	1	1	1	1	1	1			
6	06.01283-7519	BOLT ; HEX. M16×2×40	2	2	2	2	2	2			
7	06.16731-2111	WASHER ; SPRING A16	2	2	2	2	2	2			
8	65.91701-0549	SPACER	1	1	1	1	1	1			
9	06.56190-0726	RING ; SEAL A26×31	1	1	1	1	1	1			
10	65.97480-0191	HOLDER	1	1	1	1	1	1			
11	06.01913-3216	BOLT ASS 'Y M10×28	2	2	2	2	2	2			
12	06.01283-7218	BOLT ; HEX. M10×35	2	2	2	2	2	2			
13	06.16731-2108	WASHER ; SPRING A10	2	2	2	2	2	2			
14	06.11063-8215	NUT ; HEX. M10	2	2	2	2	2	2			

Fig.038 ENGINE STOP

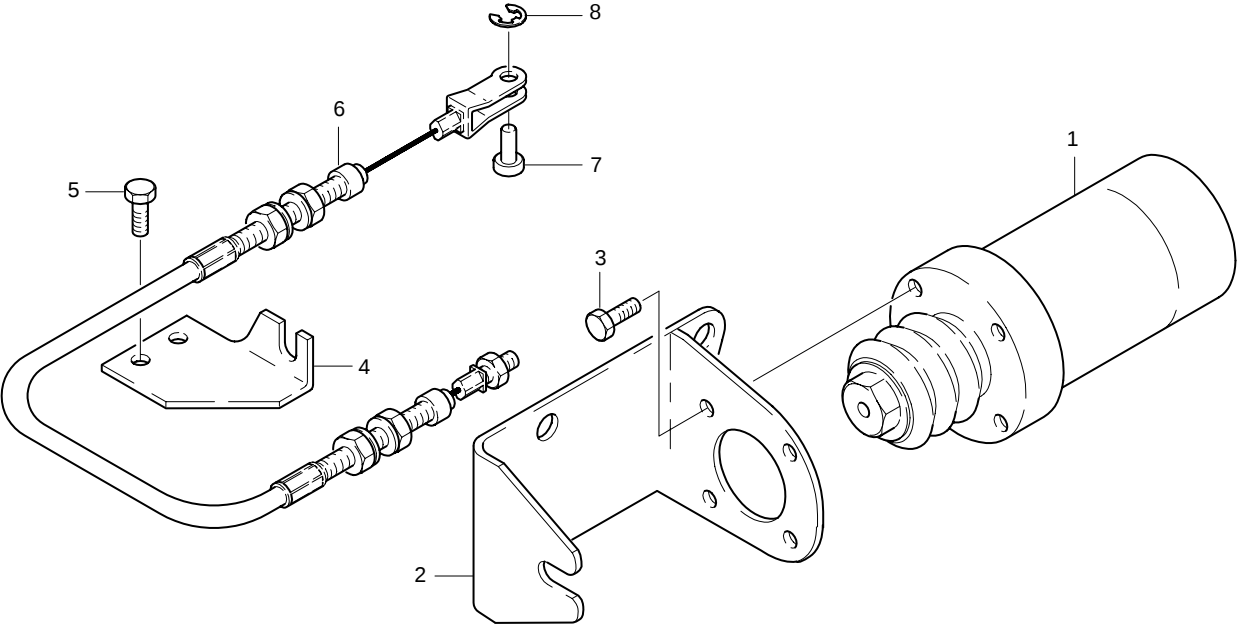


Fig.038 ENGINE STOP

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
038-1	65.25900-6008		SOLENOID	1	-	1	-	1	-			
2	65.25909-5013		BRACKET ; SOLENOID	1	-	1	-	1	-			
3	06.01923-2910		BOLT ASS 'Y M6×12	4	-	4	-	4	-			
4	60.25909-0006		BRACKET ; SOLENOID	1	-	1	-	1	-			
5	06.01923-2910		BOLT ASS 'Y M6×12	2	-	2	-	2	-			
6	60.11610-7033		STOP CABLE ASS 'Y	1	-	1	-	1	-			
7	60.91010-0011		PIN	1	-	1	-	1	-			
8	06.29030-2108		RING	1	-	1	-	1	-			

Fig.039 ALTERNATOR

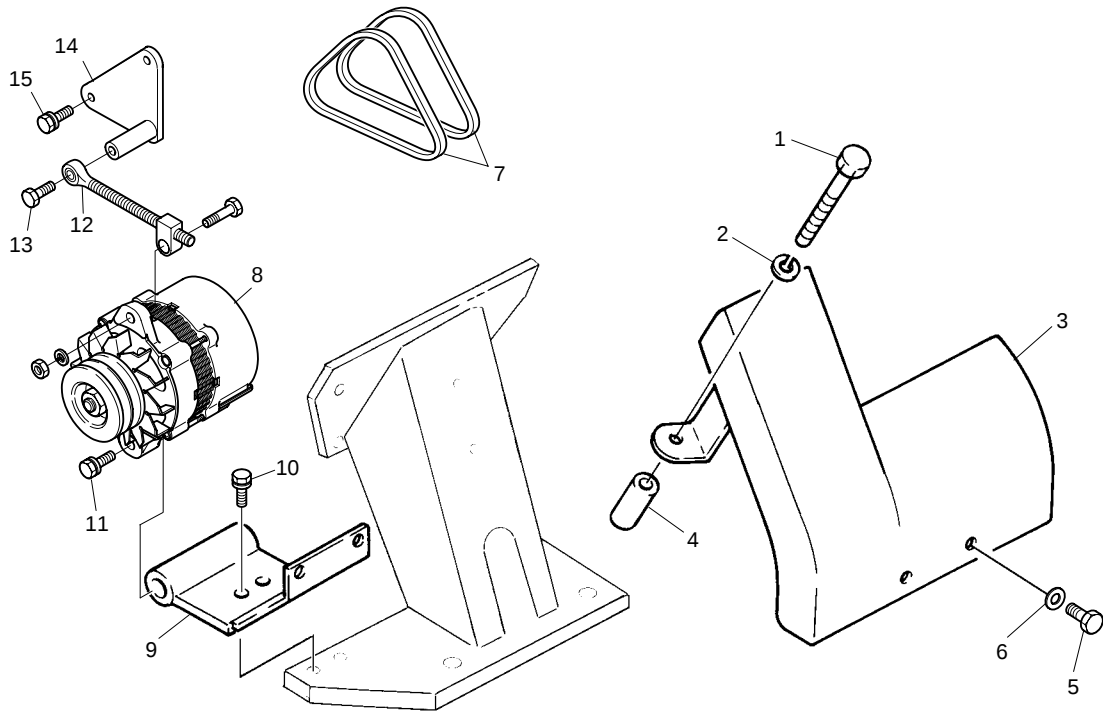


Fig.039 ALTERNATOR

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
039-1	06.01913-3234		BOLT ASS'Y M10×130	1	1	1	1	1	1			
2	06.16731-2108		WASHER ; SPRING A10	1	1	1	1	1	1			
3	60.17630-5006A		COVER ; ALTERNATOR	1	1	1	1	1	1			
4	60.91701-0050		SPACER	1	1	1	1	1	1			
5	65.90020-0068		BOLT	2	2	2	2	2	2			
6	06.15233-0105		WASHER	2	2	2	2	2	2			
7	65.96801-0064	V-	V-BELT 2×17×1325 ST	1	1	1	1	1	1			
-	65.96801-0017	V-	V-BELT 2×17×1350	-	-	-	-	-	-			
8	65.26101-7139		ALTERNATOR 24V×50A	1	1	1	1	1	1			
9	65.19102-5049		BRACKET ; ALTERNATOR	1	1	1	1	1	1			
10	06.01913-3216		BOLT ; HEX. M10×28	2	2	2	2	2	2			
11	06.01943-3317		BOLT ASS'Y M12×1.5×30	2	2	2	2	2	2			
12	65.19103-6009A		EYE BOLT ASS'Y	1	1	1	1	1	1			
13	06.01943-3319		BOLT ASS'Y M12×1.5×40	1	1	1	1	1	1			
14	65.19103-5027		BRACKET ; ALT. SUPPORT	1	1	1	1	1	1			
15	06.01913-3216		BOLT ; HEX. M10×28	2	2	2	2	2	2			

Fig.040 BATTERY

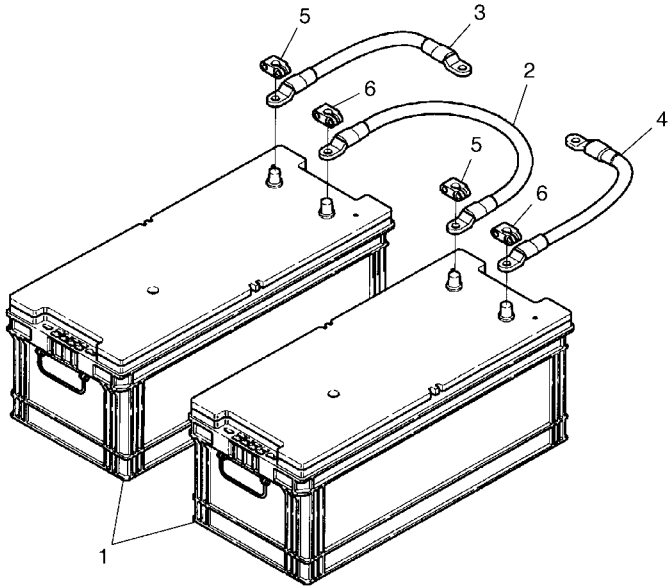


Fig.040 BATTERY

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
040-1	65.96601-7002		BATTERY 12V×200MF	2	-	2	-	2	-			
2	66.29101-0022		WIRE(BATTERY)	1	-	1	-	1	-			
3	65.29101-0002	()	WIRE ; BATTERY(RED)	1	-	1	-	1	-			
4	65.29101-0003	()	WIRE ; BATTERY(BLACK)	1	-	1	-	1	-			
5	65.26609-0003	(+)	TERMINAL ; BATTERY(+)	2	-	2	-	2	-			
6	65.26609-0004	(-)	TERMINAL ; BATTERY(-)	2	-	2	-	2	-			

Fig.041 CONTROL

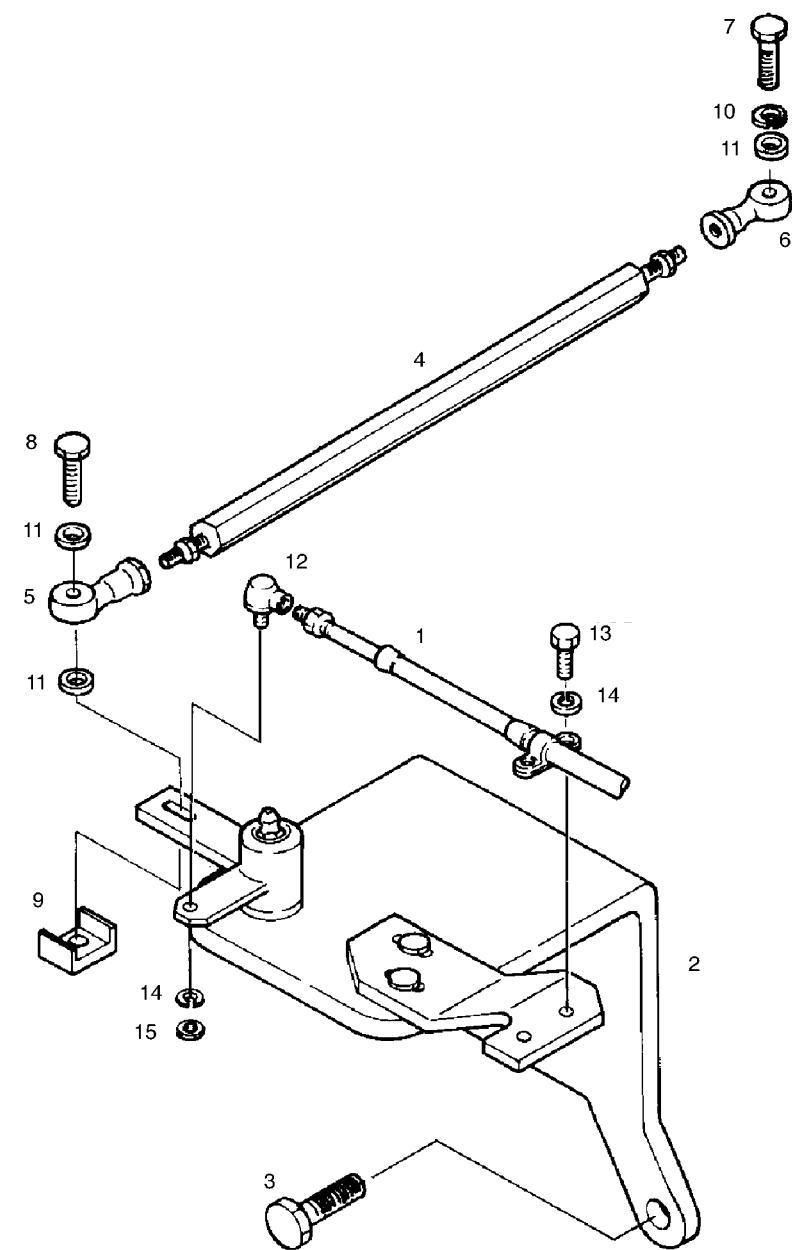


Fig.041 CONTROL

Key No.	Part No.	Description	(Q ty)						S.C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
041-1	60.32610-8002	CABLE ; CONTROL	2	-	2	-	2	-			
2	60.11600-6011	ENGINE CONTROL ASS 'Y	1	-	1	-	1	-			
3	06.01913-3219	BOLT ASS 'Y M10×40	2	-	2	-	2	-			
4	60.11601-0005	ROD ; TIE	1	-	-	-	-	-			
-	60.11601-0006	ROD ; TIE	-	-	1	-	-	-			
-	60.11601-0007	ROD ; TIE	-	-	-	-	1	-			
5	60.11613-6004	BEARING ; END M6×1.0R	1	-	1	-	1	-			
6	60.11613-6005	BEARING ; END M6×1.0L	1	-	1	-	1	-			
7	06.01283-6913	BOLT ; HEX. M6×20	1	-	1	-	1	-			
8	06.01913-2917	BOLT ASS 'Y M6×30	1	-	1	-	1	-			
9	60.90502-0002	NUT ; SQUARE	1	-	1	-	1	-			
10	06.16731-2105	WASHER ; SPRING A6	1	-	1	-	1	-			
11	06.15010-2309	WASHER ; PLAIN 6.4	3	-	3	-	3	-			
12	60.11613-6001	JOINT ; ANGLE	2	-	2	-	2	-			
13	06.04190-8806	BOLT M5×12	4	-	4	-	4	-			
14	06.16731-2104	WASHER ; SPRING 5 KS-B1324	6	-	6	-	6	-			
15	06.11060-8211	NUT ; HEX. M5×0.8	2	-	2	-	2	-			

Fig.042 STARTER

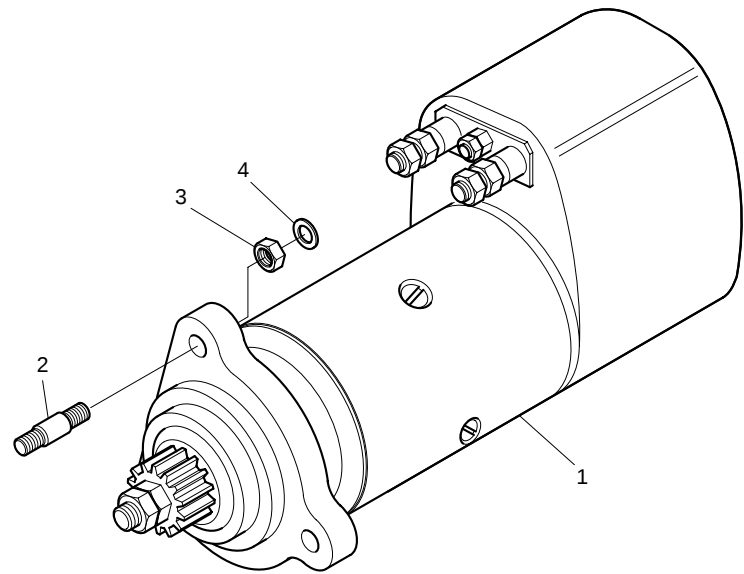


Fig.042 STARTER

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
042-1	65.26201-7123		STARTER	1	1	1	1	1	1			
2	06.06175-8309		BOLT ; STUD	3	3	3	3	3	3			
3	06.16731-2109		WASHER ; SPRING A12	3	3	3	3	3	3			
4	06.11063-9216		NUT ; HEX. M12×1.5	3	3	3	3	3	3			

Fig.043 CLUTCH

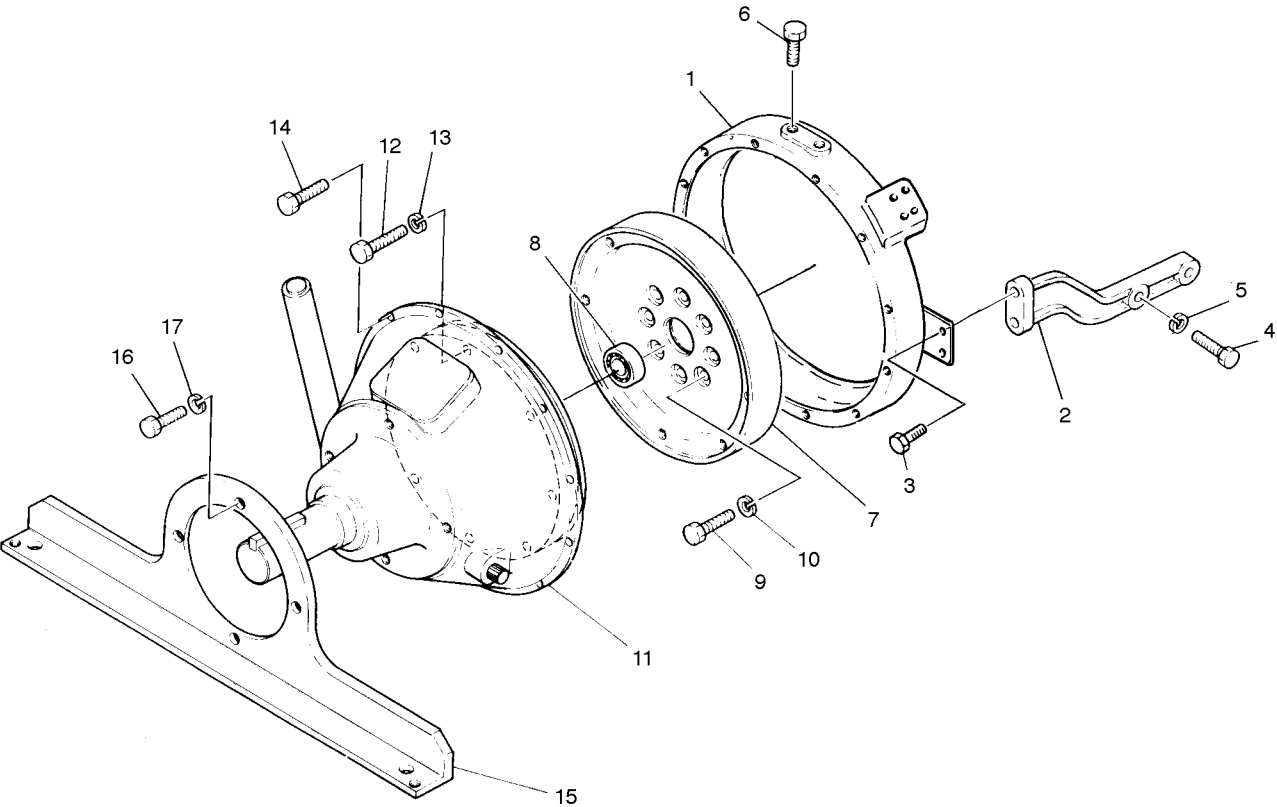


Fig.043 CLUTCH

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
043-1	60.34805-0007		HOUSING ; F.PTO	1	-	1	-	1	-			
2	60.34840-0011		BRACKET ; PTO HOUSING	2	-	2	-	2	-			
-	60.06813-5011		BRACKET ; SEA WATER PUMP	-	-	-	-	-	-			
3	06.01943-3320		BOLT ASS 'Y M12×1.5×45	4	-	4	-	4	-			
4	06.01283-7420		BOLT ; HEX. M14×45	4	-	4	-	4	-			
5	06.16731-2110		WASHER ; SPRING A14	4	-	4	-	4	-			
6	06.01913-3214		BOLT ASS 'Y M10×22	2	-	2	-	2	-			
7	60.34801-0030		COUPLING	1	-	1	-	1	-			
8	60.93410-0006		BEARING ; BALL	1	-	1	-	1	-			
9	06.02106-0622		BOLT ; SOCKET HEAD	8	-	8	-	8	-			
10	06.16110-0108		WASHER ; SPRING	8	-	8	-	8	-			
11	60.34800-7011		CLUTCH ASS 'Y	1	-	1	-	1	-			
12	06.01013-9217		BOLT ; HEX. M10×1.5×60	8	-	8	-	8	-			
13	06.16731-2108		WASHER ; SPRING A10	8	-	8	-	8	-			
14	06.01913-3218		HEX BOLT ASS 'Y M10×35	12	-	12	-	12	-			
15	60.41510-5020A		BRACKET ; PTO	1	-	1	-	1	-			
16	06.01733-4409		BOLT ; HEX. M14×1.5×25	4	-	4	-	4	-			
17	06.16731-2110		WASHER ; SPRING A14	4	-	4	-	4	-			

Fig.044 CHOCK LINER

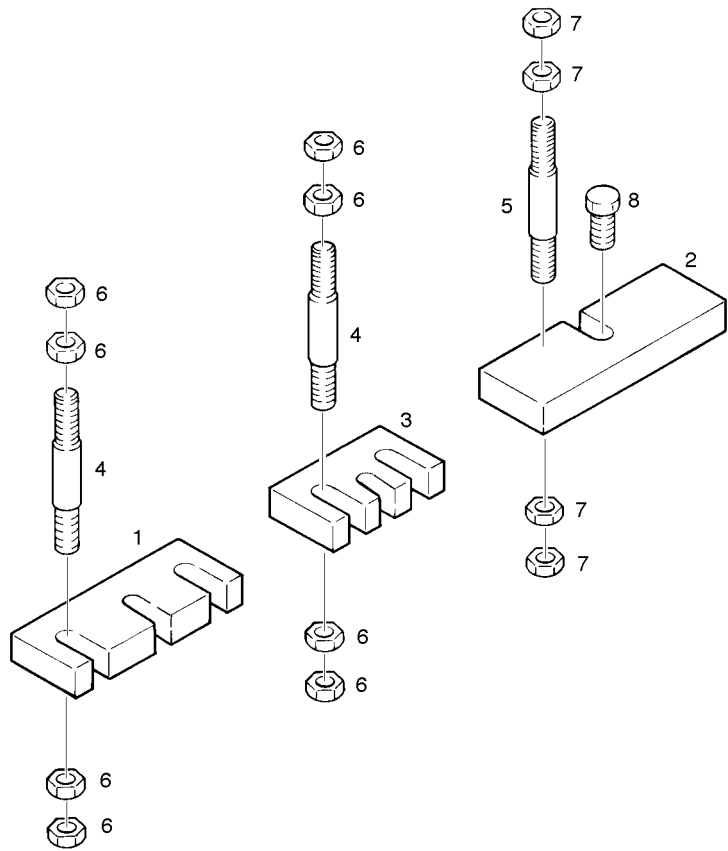


Fig.044 CHOCK LINER

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
044-1	65.41560-0004		LINER ; CHOCK	2	-	2	-	2	-			
2	65.41560-0005		LINER ; CHOCK	2	-	2	-	2	-			
3	65.41560-0006		LINER ; CHOCK	2	-	2	-	2	-			
4	60.90201-0050		BOLT ; STUD	8	-	8	-	8	-			
5	60.90005-0034		BOLT ; REAMER	4	-	4	-	4	-			
6	06.11063-9218		NUT ; HEX. M16 × 1.5	32	-	32	-	32	-			
7	06.11063-9222		NUT ; HEX. M24 × 1.5	16	-	16	-	16	-			
8	60.90001-0026		BOLT : HEX.	6	-	6	-	6	-			

Fig.045 GAUGE PANEL(1)

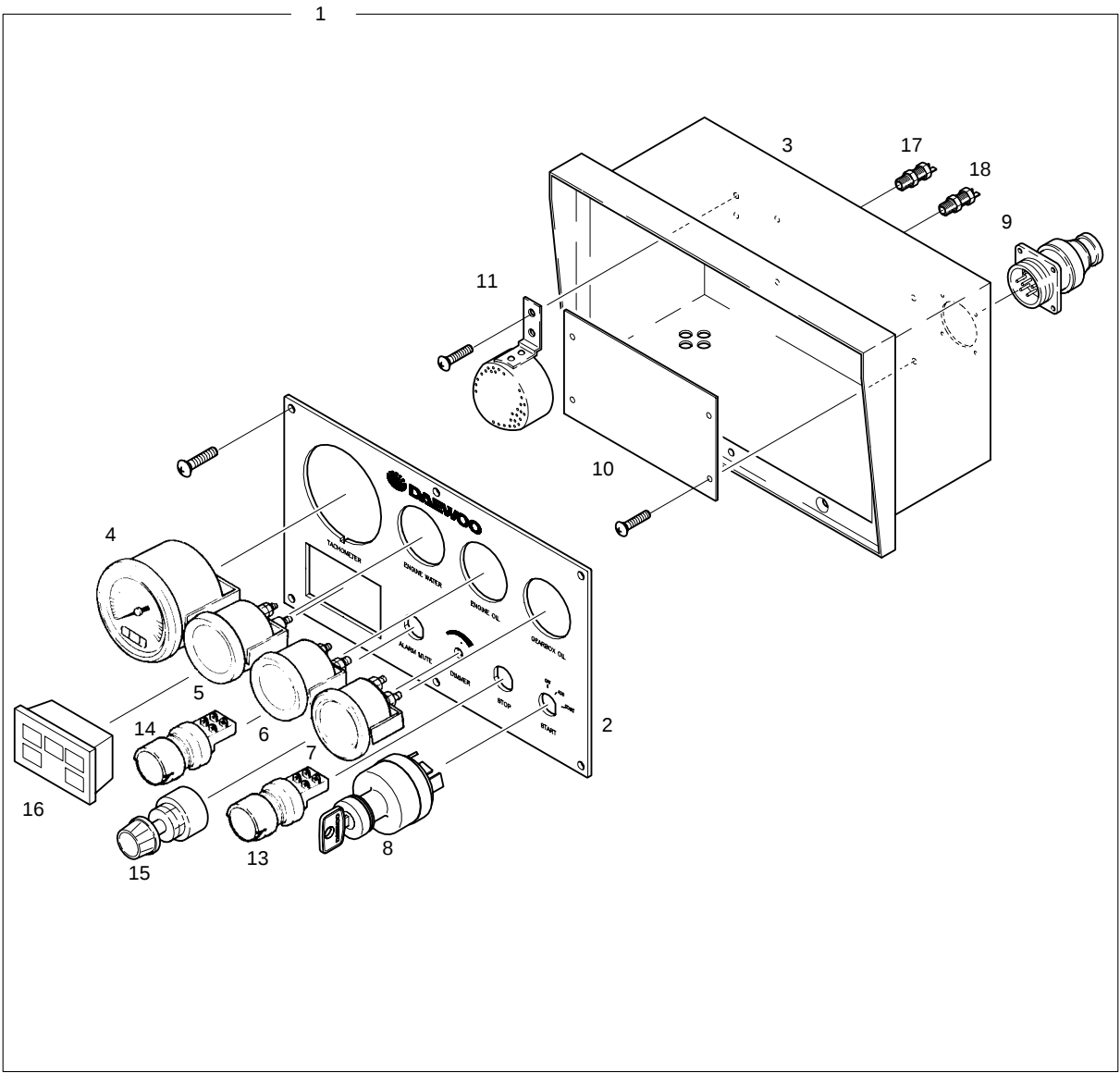


Fig.045 GAUGE PANEL(1)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
045-1	65.61700-6021		GAUGE PANEL ASS'Y	1	-	1	-	1	-			
2	65.61710-0004		PANEL ; GAUGE	1	-	1	-	1	-			
3	65.61713-5006		CASE	1	-	1	-	1	-			
4	65.27101-6002		METER ; TACHO	1	-	1	-	1	-			
5	65.27401-6004		GAUGE ; WATER TEMP	1	-	1	-	1	-			
6	65.27431-6002		GAUGE ; OIL PRESSURE	1	-	1	-	1	-			
7	65.27431-6003		CLUTCH ; OIL PRESS GAUGE	1	-	1	-	1	-			
8	65.25501-7001		KEY SWITCH ASS'Y	1	-	1	-	1	-			
9	65.26810-0008		CONNECTOR	1	-	1	-	1	-			
10	65.61750-6008		PCB	1	-	1	-	1	-			
11	60.25301-6004		BUZZER	1	-	1	-	1	-			
13	65.25501-6001	()	BUTTON ; PUSH(RED)	1	-	1	-	1	-			
14	65.25501-6002	()	BUTTON ; PUSH(YELLOW)	1	-	1	-	1	-			
15	65.25501-6003		SWITCH ; DIMMER	1	-	1	-	1	-			
16	65.25210-6002		LAMP ASS'Y	1	-	1	-	1	-			
17	65.25502-6007	(5A)	BREAKER ; CIRCUIT(5A)	1	-	1	-	1	-			
18	65.25502-6009	(2A)	BREAKER ; CIRCUIT(2A)	1	-	1	-	1	-			

Fig.046 GAUGE PANEL(2)

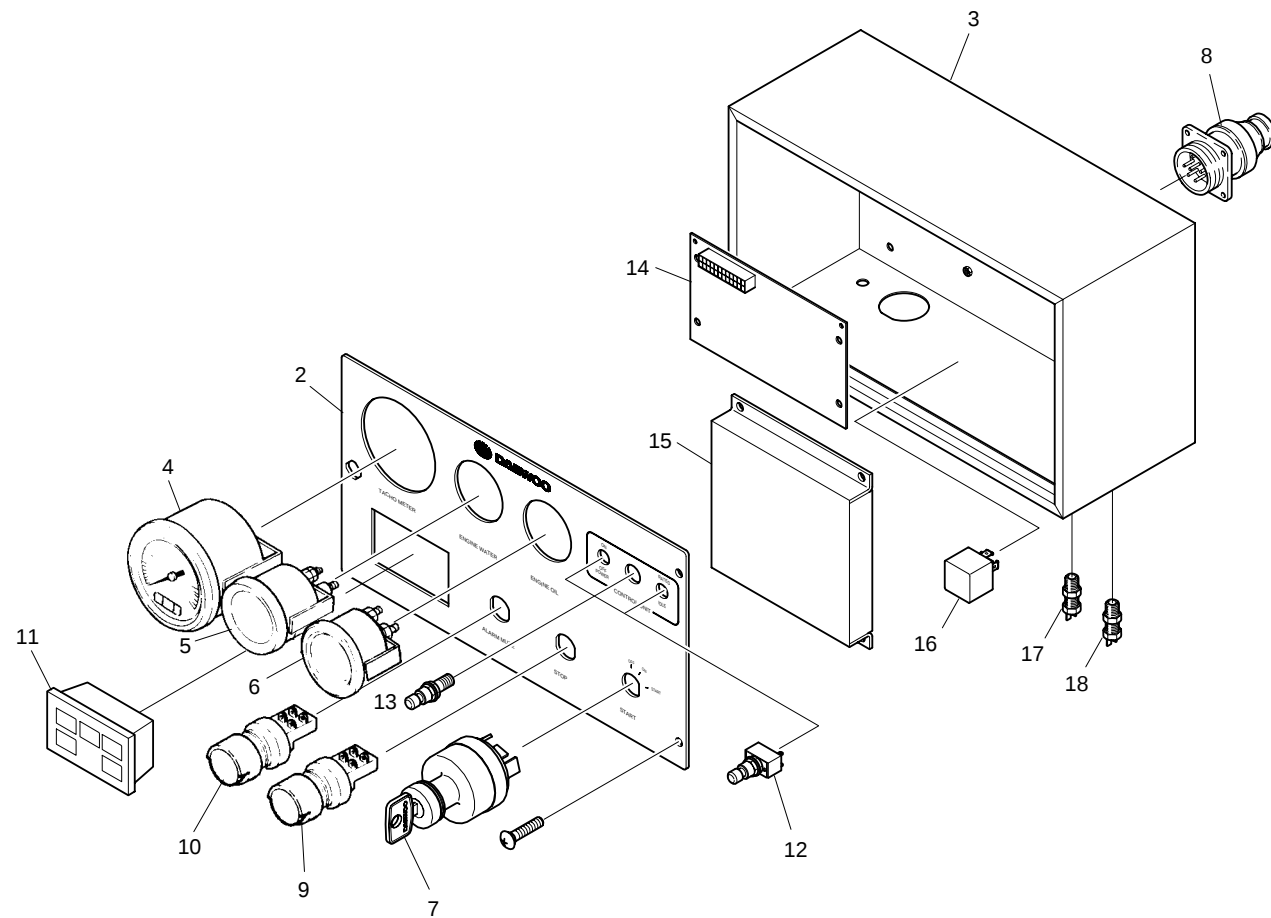


Fig.046 GAUGE PANEL(2)

Key No.	Part No.		Description	(Q ty)						S.C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
046-1	65.61700-6022		GAUGE PANEL ASS Y	-	1	-	1	-	1			
2	65.61710-0005		PANEL ; GAUGE	-	1	-	1	-	1			
3	65.61713-5002A		CASE	-	1	-	1	-	1			
4	65.27101-6002		METER ; TACHO	-	1	-	1	-	1			
5	65.27401-6004		GAUGE ; WATER TEMP	-	1	-	1	-	1			
6	65.27431-6002		GAUGE ; OIL PRESSURE	-	1	-	1	-	1			
7	65.25501-7001		KEY SWITCH ASS Y	-	1	-	1	-	1			
8	65.26810-0008		CONNECTOR	-	1	-	1	-	1			
9	65.25501-6001	()	BUTTON ; PUSH(RED)	-	1	-	1	-	1			
10	65.25501-6002	()	BUTTON ; PUSH(YELLOW)	-	1	-	1	-	1			
11	65.25210-6002		LAMP ASS Y	-	1	-	1	-	1			
12	60.25501-6001		TOGGLE SWITCH	-	2	-	2	-	2			
13	65.25502-6005	(10A)	BREAKER ; CIRCUIT(10A)	-	1	-	1	-	1			
14	65.61750-6008		PCB	-	1	-	1	-	1			
15	65.11220-7006	가	CONTROLLER ; ACTUATOR	-	1	-	1	-	1			
16	65.98814-7009		RELAY	-	1	-	1	-	1			
17	65.25502-6007	(5A)	BREAKER ; CIRCUIT(5A)	-	1	-	1	-	1			
18	65.25502-6009	(2A)	BREAKER ; CIRCUIT(2A)	-	1	-	1	-	1			

Fig.047 ELECTRIC WIRE(1)

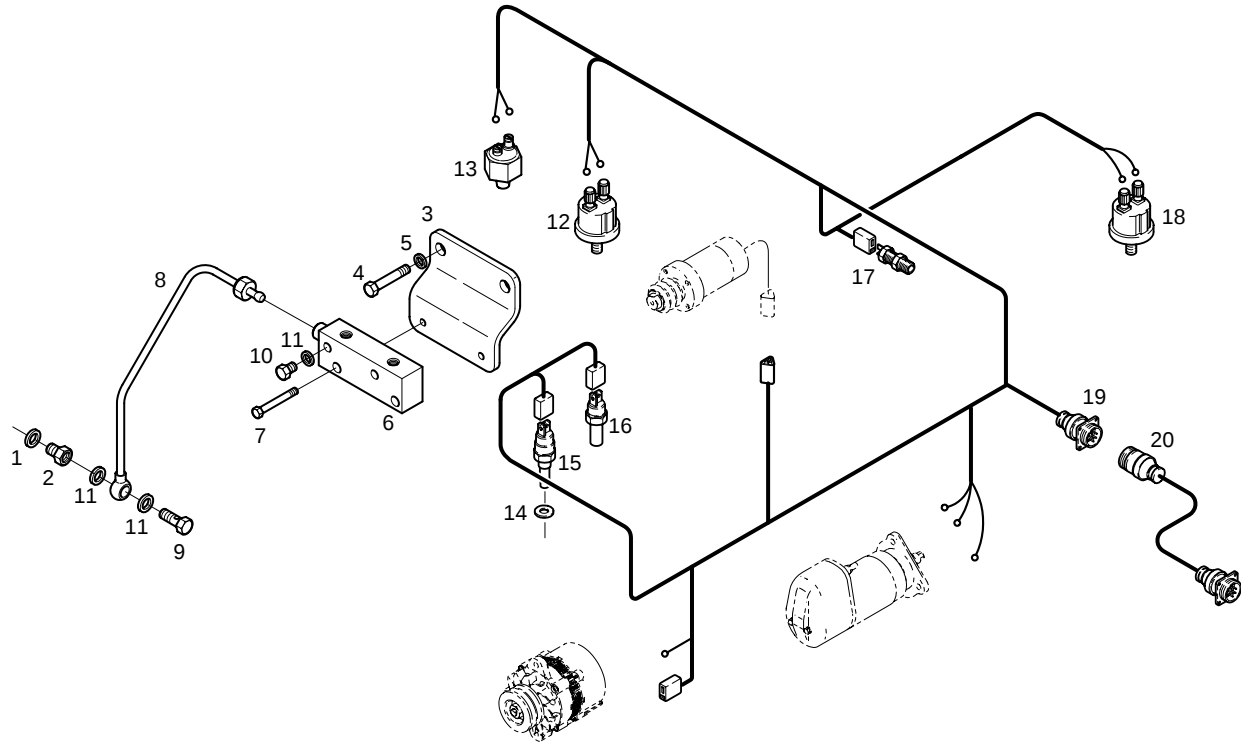


Fig.047 ELECTRIC WIRE(1)

Key No.	Part No.	Description	(Q ty)						S. C	ICA	Serial No.
			V	AD	V	AD	V	AD			
			158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
047-1	06.56190-0723	RING ; SEAL A30×36	1	-	1	-	1	-			
2	65.98130-0112A	ADAPTER, OIL PRESS. SENSOR	1	-	1	-	1	-			
3	65.97480-0193	HOLDER	1	-	1	-	1	-			
4	06.01013-9230	BOLT : HEX M10X150	2	-	2	-	2	-			
5	06.16731-2108	WASHER ; SPRING A10	2	-	2	-	2	-			
6	65.98130-0129	ADAPTER	1	-	1	-	1	-			
7	06.01913-3118	BOLT ASS 'Y M12×35	2	-	2	-	2	-			
8	65.05701-6091	PIPE ; OIL	1	-	1	-	1	-			
9	65.98150-0053	SCREW HOLLOW	1	-	1	-	1	-			
10	65.90310-0033	PLUG SCREW AM10X1.0	2	-	2	-	2	-			
11	06.56180-0714	RING SEAL A10×15	4	-	4	-	4	-			
12	65.27441-7009	OIL PRESSURE UNIT	1	-	1	-	1	-			
13	65.27441-6001	SWITHCH ; PRESSURE GAUGE	1	-	1	-	1	-			
14	06.56190-0706	SEAL RING A14X20	1	-	1	-	1	-			
15	65.27405-6003	UNIT ; THERMOMETER	1	-	1	-	1	-			
16	65.27415-6002	SWITCH ; THERMO	1	-	1	-	1	-			
17	65.27103-7002C	SENSOR	1	-	1	-	1	-			
18	60.27435-6003	CLUTCH ; OIL PRESS SENDE	1	-	1	-	1	-			
19	65.29101-6072	WIRE ; ELECTRIC	1	-	1	-	1	-			
20	65.29101-8001	WIRE ; ELECTIRC	1	-	1	-	1	-			

Fig.048 ELECTRIC WIRE(2)

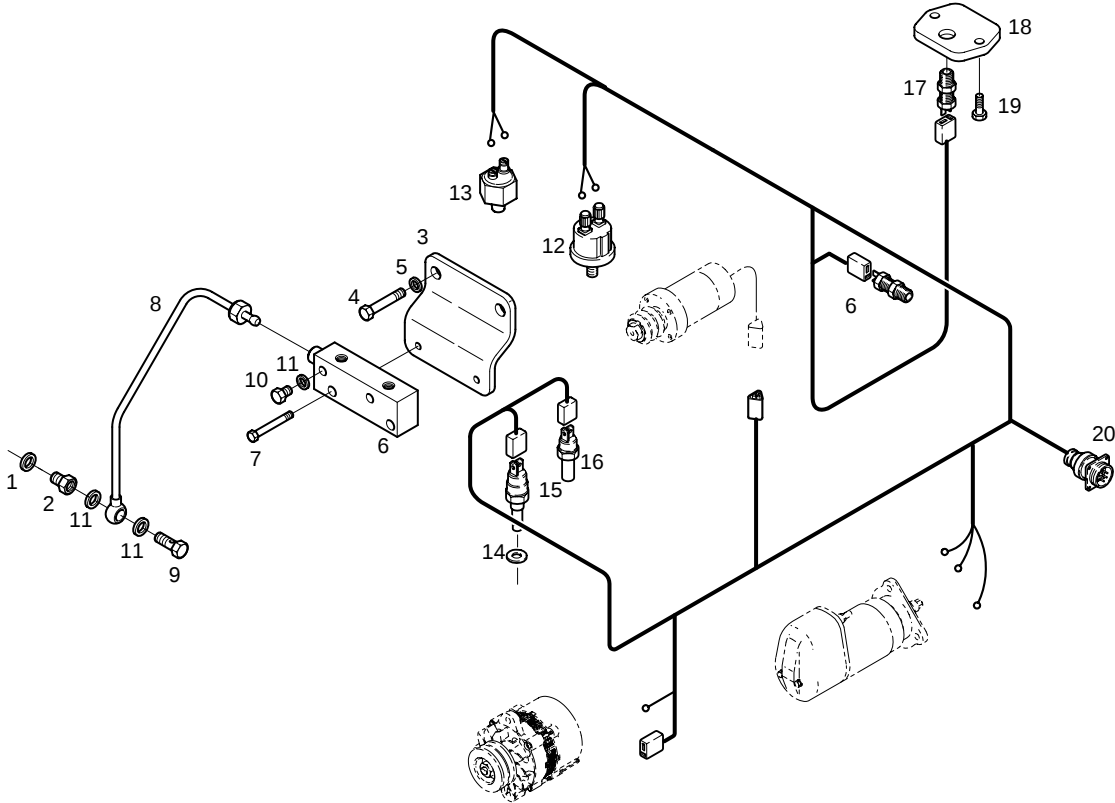


Fig.048 ELECTRIC WIRE(2)

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158 TI	158 TI	180 TI	180 TI	222 TI	222 TI			
048-1	06.56190-0723		RING ; SEAL A24×32	1	-	1	-	1	-			
2	65.98130-0112A		ADAPTER, OIL PRESS. SENSOR	1	-	1	-	1	-			
3	65.97480-0193		HOLDER	1	-	1	-	1	-			
4	06.01013-9230		BOLT : HEX M10X150	2	-	2	-	2	-			
5	06.16731-2108		WASHER ; SPRING A10	2	-	2	-	2	-			
6	65.98130-0129		ADAPTER	1	-	1	-	1	-			
7	06.01913-3118		BOLT ASS 'Y M12×35	2	-	2	-	2	-			
8	65.05701-6091		PIPE ; OIL	1	-	1	-	1	-			
9	65.98150-0053		SCREW HOLLOW	1	-	1	-	1	-			
10	65.90310-0033		PLUG SCREW AM10X1.0	2	-	2	-	2	-			
11	06.56180-0714		RING SEAL A10×15	4	-	4	-	4	-			
12	65.27441-7009		OIL PRESSURE UNIT	1	-	1	-	1	-			
13	65.27441-6001		SWITHCH ; PRESSURE GAUGE	1	-	1	-	1	-			
14	06.56190-0706		SEAL RING A14X20	1	-	1	-	1	-			
15	65.27405-6003		UNIT ; THERMOMETER	1	-	1	-	1	-			
16	65.27415-6002		SWITCH ; THERMO	1	-	1	-	1	-			
17	65.27103-7002C		SENSOR	2	-	2	-	2	-			
18	65.98130-0127		ADAPTER	1	-	1	-	1	-			
19	06.01913-3115		BOLT ASS 'Y M8×25	2	-	2	-	2	-			
20	65.29101-6073		WIRE ; ELECTIRC	1	-	1	-	1	-			

Fig.049 IDLE PULLEY

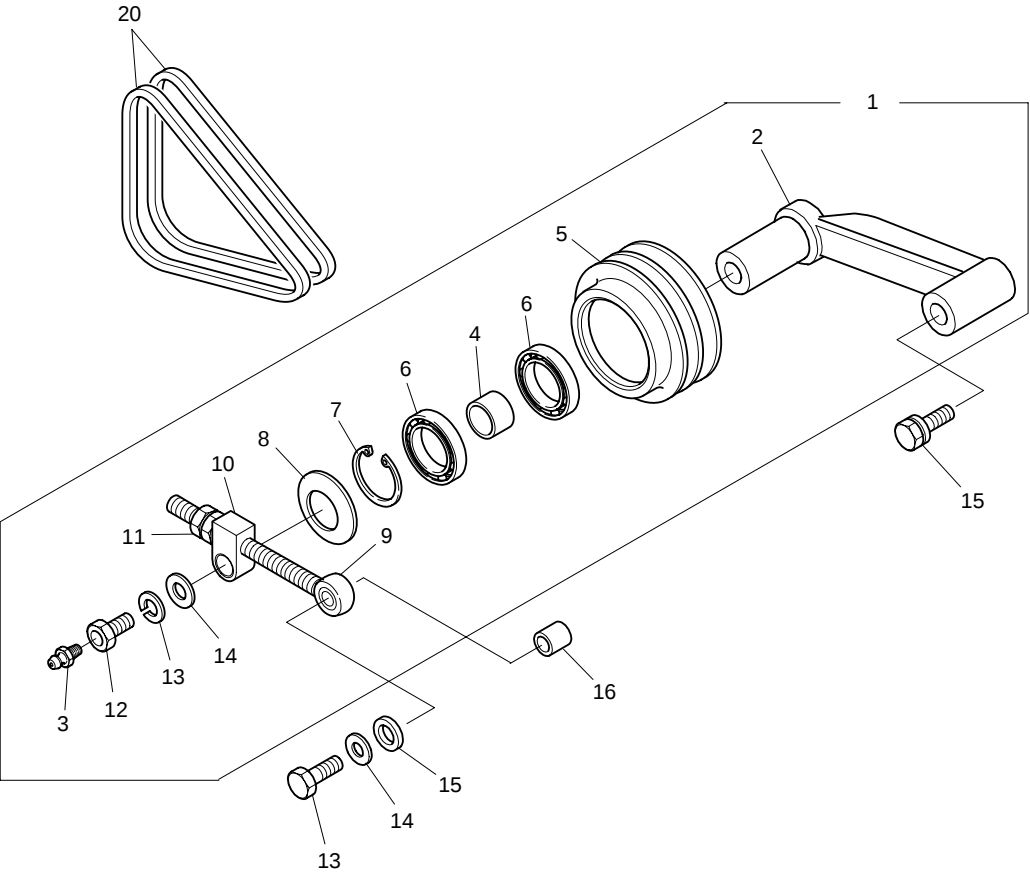


Fig.049 IDLE PULLEY

Key No.	Part No.		Description	(Q ty)						S. C	ICA	Serial No.
				V	AD	V	AD	V	AD			
				158	158	180	180	222	222			
				TI	TI	TI	TI	TI	TI			
049-1	65.95800-7019		IDLE PULLEY ASS Y	1	1	1	1	1	1			
2	65.95840-0088		BRACKET	1	1	1	1	1	1			
3	06.38013-0101		NIPPLE ; GREASE	1	1	1	1	1	1			
4	65.91701-0080		SPACER	1	1	1	1	1	1			
5	65.95820-0024		PULLEY	1	1	1	1	1	1			
6	06.31440-0913		BEARING ; BALL 6305Z	2	2	2	2	2	2			
7	06.29020-0136		RING ; SNAP	1	1	1	1	1	1			
8	65.91701-0182		SPACER	1	1	1	1	1	1			
9	65.90441-0015		BOLT ; EYE	1	1	1	1	1	1			
10	65.19107-0004	가	PIECE ; GUIDE	1	1	1	1	1	1			
11	65.90620-0030		NUT ; SLOTTED	1	1	1	1	1	1			
12	65.98130-0116		ADAPTER	1	1	1	1	1	1			
13	06.16731-2109		WASHER ; SPRING A12	1	1	1	1	1	1			
14	06.15010-2312		WASHER ; PLAIN 10.5	1	1	1	1	1	1			
15	06.01013-9320		BOLT ; HEX. M12×75	1	1	1	1	1	1			
16	65.91701-0159		SPACER	1	1	1	1	1	1			
17	06.01013-9324		BOLT ; HEX. M12×95	1	1	1	1	1	1			
18	06.16731-2109		WASHER ; SPRING A12	1	1	1	1	1	1			
19	06.15010-2312		WASHER ; PLAIN A12	1	1	1	1	1	1			
20	65.96801-0095	V-	V-BELT L=1260	1	1	-	-	-	-			
-	65.96801-0018	V-	V-BELT L=1275	-	-	1	1	1	1			

Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.	
04.27405-0204A	022	47	06.01493-4507	011	2	06.01913-3217	022	51
06.01013-9116	009	2	06.01493-4507	012	2	06.01913-3217	027	30
06.01013-9116	014	13	06.01493-4509	022	31	06.01913-3217	036	16
06.01013-9116	015	11	06.01493-4509	036	5	06.01913-3217	037	4
06.01013-9124	010	2	06.01493-4509	036	9	06.01913-3218	022	23
06.01013-9126	021	39	06.01494-4316	001	7	06.01913-3218	022	25
06.01013-9127	027	7	06.01494-4407	030	15	06.01913-3218	043	14
06.01013-9129	010	6	06.01733-4409	043	16	06.01913-3219	041	3
06.01013-9217	043	12	06.01913-2911	022	40	06.01913-3224	021	17
06.01013-9227	027	11	06.01913-2911	035	13	06.01913-3228	021	22
06.01013-9230	047	4	06.01913-2917	041	8	06.01913-3234	021	16
06.01013-9230	048	4	06.01913-3113	009	12	06.01913-3234	039	1
06.01013-9231	027	10	06.01913-3113	010	13	06.01913-3318	001	45
06.01013-9237	013	18	06.01913-3114	009	11	06.01913-3318	025	11
06.01013-9320	049	15	06.01913-3114	023	11	06.01923-2910	038	3
06.01013-9324	049	17	06.01913-3114	024	11	06.01923-2910	038	5
06.01014-7225	030	45	06.01913-3115	002	-	06.01923-3110	002	11
06.01014-9226	014	6	06.01913-3115	010	11	06.01923-3110	019	14
06.01014-9229	026	3	06.01913-3115	021	49	06.01923-3111	035	15
06.01014-9230	019	6	06.01913-3115	048	19	06.01923-3116	001	41
06.01283-6913	020	16	06.01913-3118	047	7	06.01923-3117	002	16
06.01283-6913	022	28	06.01913-3118	048	7	06.01923-3117	002	23
06.01283-6913	022	54	06.01913-3121	023	4	06.01923-3117	016	18
06.01283-6913	041	7	06.01913-3122	016	12	06.01923-3117	021	38
06.01283-7111	014	18	06.01913-3122	027	17	06.01923-3117	027	5
06.01283-7111	015	12	06.01913-3123	015	14	06.01923-3117	027	14
06.01283-7113	014	4	06.01913-3123	021	48	06.01923-3120	007	17
06.01283-7117	027	38	06.01913-3123	027	6	06.01923-3122	024	19
06.01283-7118	015	15	06.01913-3124	027	21	06.01923-3122	025	6
06.01283-7218	035	32	06.01913-3126	009	9	06.01923-3125	007	16
06.01283-7218	035	33	06.01913-3128	021	10	06.01923-3129	027	27
06.01283-7218	037	12	06.01913-3128	024	20	06.01923-3131	019	13
06.01283-7420	022	61	06.01913-3128	025	5	06.01923-3132	027	26
06.01283-7420	043	4	06.01913-3144	016	14	06.01923-3132	031	20
06.01283-7519	035	26	06.01913-3214	016	28	06.01923-3217	011	16
06.01283-7519	037	6	06.01913-3214	022	63	06.01923-3217	012	15
06.01283-7720	037	2	06.01913-3214	043	6	06.01923-3226	035	22
06.01284-7112	030	40	06.01913-3215	009	8	06.01923-3228	027	9
06.01284-7115	014	21	06.01913-3216	035	31	06.01933-3118	017	3
06.01284-7117	014	20	06.01913-3216	037	11	06.01933-3118	018	3
06.01284-7218	014	5	06.01913-3216	039	10	06.01943-3317	011	23
06.01284-7218	015	3	06.01913-3216	039	15	06.01943-3317	012	22
06.01284-7223	013	19	06.01913-3217	011	21	06.01943-3317	021	4
06.01493-4307	026	32	06.01913-3217	012	20	06.01943-3317	022	4
06.01493-4308	011	6	06.01913-3217	019	5	06.01943-3317	039	11
06.01493-4308	012	6	06.01913-3217	019	16	06.01943-3319	039	13
06.01493-4311	026	31	06.01913-3217	022	3	06.01943-3320	022	60
06.01493-4317	026	41	06.01913-3217	022	39	06.01943-3320	043	3

Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.	
06.01943-3323	021	32	06.11063-9218	036	11	06.16731-2108	039	2
06.01953-3317	028	10	06.11063-9218	044	6	06.16731-2108	043	13
06.01953-3318	035	21	06.11063-9222	044	7	06.16731-2108	047	5
06.02090-0410	013	15	06.12172-9316	030	29	06.16731-2108	048	5
06.02097-8513	020	10	06.15010-2309	041	11	06.16731-2109	001	46
06.02097-8517	020	9	06.15010-2311	021	11	06.16731-2109	011	7
06.02101-0613	005	-	06.15010-2311	027	8	06.16731-2109	012	7
06.02101-0717	002	26	06.15010-2311	027	22	06.16731-2109	026	9
06.02106-0622	043	9	06.15010-2311	027	39	06.16731-2109	026	23
06.02106-0824	005	21	06.15010-2312	013	21	06.16731-2109	026	33
06.04190-8806	041	13	06.15010-2312	019	7	06.16731-2109	042	3
06.06175-8309	042	2	06.15010-2312	049	14	06.16731-2109	049	13
06.06225-0706	028	21	06.15010-2312	049	19	06.16731-2109	049	18
06.06226-0806	022	11	06.15010-2316	030	17	06.16731-2110	022	62
06.08022-2207	007	8	06.15030-0515	005	13	06.16731-2110	043	5
06.08041-2203	014	31	06.15061-0103	030	46	06.16731-2110	043	17
06.08042-0203	018	9	06.15233-0105	039	6	06.16731-2111	011	4
06.08062-6208	013	12	06.15233-0150	009	13	06.16731-2111	012	4
06.08091-4604	023	14	06.16044-0208	001	32	06.16731-2111	022	32
06.08092-2404	021	19	06.16044-0210	014	14	06.16731-2111	035	27
06.08092-2405	024	15	06.16044-0210	014	19	06.16731-2111	036	10
06.08092-2405	024	17	06.16044-0210	014	22	06.16731-2111	037	7
06.08092-2405	028	25	06.16044-0210	015	13	06.16731-2113	037	3
06.08092-2406	021	41	06.16044-0210	015	16	06.22022-1063	001	20
06.08092-2424	026	35	06.16044-0210	027	12	06.22022-3061	001	5
06.08095-4604	022	8	06.16044-0211	015	4	06.22022-3065	005	6
06.08095-4606	020	12	06.16044-0213	030	16	06.22022-3563	001	21
06.08095-4607	022	6	06.16110-0106	013	16	06.22180-0804	001	34
06.09153-3217	028	11	06.16110-0108	005	12	06.29010-0120	008	19
06.11060-8211	041	15	06.16110-0108	043	10	06.29020-0125	013	10
06.11063-8212	022	30	06.16110-0109	002	27	06.29020-0132	024	8
06.11063-8212	022	56	06.16731-2104	041	14	06.29020-0136	049	7
06.11063-8214	009	14	06.16731-2105	022	29	06.29030-2108	038	8
06.11063-8214	010	14	06.16731-2105	022	55	06.31440-0913	049	6
06.11063-8214	027	23	06.16731-2105	041	10	06.31641-0615	001	19
06.11063-8214	027	40	06.16731-2106	020	17	06.31649-0615	013	8
06.11063-8214	028	24	06.16731-2107	009	3	06.38013-0101	049	3
06.11063-8215	022	13	06.16731-2107	010	3	06.56011-0521	013	11
06.11063-8215	035	34	06.16731-2107	010	7	06.56026-0103	026	39
06.11063-8215	036	17	06.16731-2107	021	40	06.56026-0308	020	8
06.11063-8215	037	14	06.16731-2107	028	23	06.56180-0712	031	18
06.11063-8216	011	8	06.16731-2108	013	20	06.56180-0714	030	8
06.11063-8216	012	8	06.16731-2108	014	7	06.56180-0714	035	24
06.11063-9216	026	10	06.16731-2108	020	11	06.56180-0714	047	11
06.11063-9216	026	24	06.16731-2108	022	12	06.56180-0714	048	11
06.11063-9216	026	34	06.16731-2108	026	4	06.56190-0704	030	6
06.11063-9216	042	4	06.16731-2108	028	17	06.56190-0706	001	30
06.11063-9218	036	6	06.16731-2108	037	13	06.56190-0706	001	37

Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.	
06.56190-0706	014	24	06.67020-0106	003	6	60.06813-5011	043	-
06.56190-0706	014	30	06.67020-0106	004	7	60.06880-6008	022	5
06.56190-0706	015	18	06.71010-0213	030	20	60.06903-0013	022	50
06.56190-0706	016	3	06.71010-0213	030	34	60.06903-0025A	021	15
06.56190-0706	018	10	06.76030-0108	031	22	60.08116-0012	026	30
06.56190-0706	019	10	06.78144-2204	019	9	60.08304-0007	028	13
06.56190-0706	021	20	06.78144-2204	022	45	60.08901-0015	026	29
06.56190-0706	022	9	06.78144-2204	030	12	60.11600-6011	041	2
06.56190-0706	022	44	06.78144-2204	030	24	60.11601-0005	041	4
06.56190-0706	023	15	06.78144-2204	030	31	60.11601-0006	041	-
06.56190-0706	026	36	06.78144-2204	030	37	60.11601-0007	041	-
06.56190-0706	030	13	06.78144-2204	031	3	60.11610-7033	038	6
06.56190-0706	030	21	06.78144-2204	035	6	60.11613-6001	041	12
06.56190-0706	030	25	06.78144-2204	035	8	60.11613-6004	041	5
06.56190-0706	030	28	06.78147-2808	011	20	60.11613-6005	041	6
06.56190-0706	030	32	06.78147-2808	012	19	60.15101-5007	036	2
06.56190-0706	030	35	06.78190-2205	030	5	60.15101-6002	036	1
06.56190-0706	030	38	51.01101-0450	001	-	60.15202-0005	036	3
06.56190-0706	031	2	51.01102-6035	001	-	60.15202-0005	036	7
06.56190-0706	031	12	51.01102-6233	001	1	60.15902A0003	036	4
06.56190-0706	035	9	51.01510-0141	002	24	60.15902A0003	036	8
06.56190-0706	047	14	51.01510-0153	001	40	60.17630-5006A	039	3
06.56190-0706	048	14	51.01804-7023	004	2	60.25301-6004	045	11
06.56190-0708	014	23	51.01804-7026	003	1	60.25501-6001	046	12
06.56190-0708	015	20	51.01804-7026	004	1	60.25909-0006	038	4
06.56190-0709	024	14	51.02503-0661	006	10	60.27435-6003	047	18
06.56190-0709	024	16	51.02503-0673	006	9	60.32610-8002	041	1
06.56190-0709	028	26	51.03901-0338	007	13	60.34800-7011	043	11
06.56190-0713	001	18	51.06402-0062	021	43	60.34801-0030	043	7
06.56190-0713	020	13	51.96501-0295	030	43	60.34805-0007	043	1
06.56190-0713	021	42	51.96501-0322	030	42	60.34840-0011	043	2
06.56190-0718	022	7	51.96501-0412	001	26	60.41510-5020A	043	15
06.56190-0722	013	13	60.01810-5001	020	14	60.90001-0026	044	8
06.56190-0723	047	1	60.05101-7002	011	5	60.90005-0034	044	5
06.56190-0723	048	1	60.05101-7002	012	5	60.90201-0050	044	4
06.56190-0726	001	14	60.05701-0038	011	11	60.90502-0002	041	9
06.56190-0726	014	27	60.05903A0004	011	18	60.91010-0011	038	7
06.56190-0726	015	23	60.05903A0004	012	17	60.91701-0050	039	4
06.56190-0726	030	11	60.06301-0065	022	24	60.93410-0006	043	8
06.56190-0726	035	29	60.06301-0077	021	5	60.96340-5011	031	5
06.56190-0726	037	9	60.06301-0086	021	14	60.96605A0011	022	18
06.56190-0728	011	19	60.06301-5384A	021	1	60.96605A0013	022	10
06.56190-0728	012	18	60.06301-5386	022	43	60.96605A0013	022	22
06.56190-0728	016	24	60.06301-5387	022	17	60.96610-0918	020	15
06.56190-0732	001	16	60.06405-0007	021	8	60.96901-0002	022	41
06.56190-0732	014	29	60.06800-7063	022	38	60.97401-0051	022	42
06.56342-1208	021	44	60.06813-5010	022	58	60.97480-0010	022	34
06.67020-0101	004	8	60.06813-5011	022	59	60.97480-0011	022	35

Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.	
60.98201-7008	003	7	65.02201-0045	005	10	65.05401-5014	009	5
60.98201-7008	004	9	65.02201-7031	005	-	65.05401-5024	010	4
60.98201-7009	014	15	65.02301-0303C	005	15	65.05501-7048	013	1
60.98201-7009	015	19	65.02301-5014	005	14	65.05501-7077	019	1
65.01101-0451	001	-	65.02310-0073C	005	16	65.05503-0018	013	2
65.01101-0462	001	-	65.02401-6030	006	1	65.05510-5020A	013	14
65.01102-6037	001	-	65.02410-0100	006	5	65.05510-5030	019	2
65.01102-6056	001	-	65.02411-0008	006	4	65.05517-0008	013	3
65.01102-6234	001	-	65.02501-0204	006	6	65.05518-0005	013	5
65.01102-6235	001	-	65.02502-0081	006	7	65.05540-0017	019	3
65.01105-6013	001	4	65.02503-0678	006	11	65.05541-0001	013	9
65.01105-6014	001	2	65.02601-0165A	005	-	65.05550-0003	013	4
65.01110-6529	005	8	65.02601-0322	005	20	65.05601-7135	014	10
65.01111-6539	005	9	65.03101-1047	007	2	65.05601-7135	015	7
65.01201-0312B	001	24	65.03101-6067	007	1	65.05604-0012	014	2
65.01401-5003	002	1	65.03201-1040	007	3	65.05604-0018	014	1
65.01402-0008	002	18	65.03203-0184	007	5	65.05604-0023	015	1
65.01402-0033A	002	14	65.03203-0242	007	4	65.05605-0026	014	11
65.01402-5004C	002	21	65.03401-0045A	007	14	65.05605-0035	015	9
65.01402-5009	002	-	65.03401-0059	007	15	65.05701-0009	011	12
65.01402-5023	002	28	65.03905-0015B	007	21	65.05701-0140	001	12
65.01402-5023	016	16	65.04101-0367B	008	2	65.05701-5355	030	-
65.01414-0004A	002	10	65.04101-0375B	008	1	65.05701-5357	030	9
65.01501-5017B	001	39	65.04102-0083A	008	6	65.05701-5360	030	-
65.01505-0007	005	7	65.04102-0084A	008	7	65.05701-5467	011	17
65.01601-2016A	001	33	65.04102-6007	008	5	65.05701-5467	012	16
65.01601-5065	001	28	65.04103-0074	008	8	65.05701-5468	011	-
65.01802-5023	003	3	65.04104-0023	008	9	65.05701-5468	012	-
65.01802-5028	004	4	65.04200-6026A	008	11	65.05701-5469	011	-
65.01803-0007	001	38	65.04201-1003	008	13	65.05701-5469	012	-
65.01810-5007	007	18	65.04201-6078	008	12	65.05701-5470	012	9
65.01903-0166	002	22	65.04202-5035	008	17	65.05701-5471	019	8
65.01903-0200	002	4	65.04205-0021	008	15	65.05701-5582	010	8
65.01903-0201	002	5	65.04301-0079	008	21	65.05701-5590	009	7
65.01903A0152	001	42	65.04302-0026	008	22	65.05701-5804	010	9
65.02101-0384	005	-	65.04401-0439	008	-	65.05701-5815	010	-
65.02101-0410	005	-	65.04401-0440	008	-	65.05701-5816	010	-
65.02101-0411	005	-	65.04401-0443	008	24	65.05701-5962	016	5
65.02101-7498	005	1	65.04401-6001	008	-	65.05701-5963	016	20
65.02101-7537	005	-	65.04401-6002	008	23	65.05701-5965	016	6
65.02101-7539	005	-	65.04401-6003	008	-	65.05701-5966	016	15
65.02110-0101A	005	2	65.04410-0078	001	8	65.05701-5967	016	-
65.02110-0102	005	-	65.04410-0079	001	9	65.05701-5968	016	-
65.02110-0104A	005	-	65.04902-0027	008	10	65.05701-6091	047	8
65.02110-0118	005	-	65.05100-6043A	010	1	65.05701-6091	048	8
65.02115-0066	005	5	65.05100-6188	009	1	65.05740-0093	010	12
65.02130-0001	005	4	65.05140-5001	011	1	65.05740-0094	009	10
65.02130-0013	005	19	65.05140-5001	012	1	65.05801-5024	017	1

Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.	
65.05801-5025	017	-	65.06301-5197	022	-	65.08304-0003	028	-
65.05801-5199	018	1	65.06301-5210	022	49	65.08310-6006	030	-
65.05805-5122	017	8	65.06301-5211	022	-	65.08310-6007	030	4
65.05805-5162	017	-	65.06301-5212	022	-	65.08310-6008	030	-
65.05805-5162	018	8	65.06301-5213	023	1	65.08901-0023B	026	2
65.05806-0002	017	7	65.06301-5214	023	-	65.08902-0078	027	25
65.05806-0002	018	7	65.06301-5237	022	-	65.08902A0057	027	4
65.05901-0014	014	3	65.06301-5738	023	-	65.08902A0057	027	29
65.05901-0014	015	2	65.06301-5740	023	-	65.09100-7054	028	-
65.05901A0019	019	4	65.06301-5741	023	2	65.09100-7188	028	1
65.05901A0080	013	17	65.06301-5801	022	15	65.09411-0074	027	31
65.05902A0038	014	17	65.06301-6056	021	26	65.09411-0080	027	-
65.05902A0041	015	10	65.06320-0001	024	12	65.09411-0094	027	3
65.05903-0028	023	3	65.06500-6160	024	1	65.09411-0098	027	-
65.05903-0028	023	10	65.06500-6160	025	1	65.09411-0099	027	-
65.05903A0006	010	5	65.06501-0082	024	2	65.09411-0100	027	13
65.05903A0007	009	4	65.06503-0098	024	10	65.09500-7002	027	1
65.05904A0092	017	2	65.06504-0008	024	6	65.09500-7021	027	-
65.05904A0093	017	-	65.06504-0013	024	9	65.09901-0020	028	22
65.05904A0105	018	2	65.06506-0025	024	5	65.09901-0023	028	15
65.06140-5010	022	2	65.06506-6001	024	4	65.09904-0011A	027	2
65.06160-6015A	020	-	65.06512-0017	024	13	65.10101-7053	029	1
65.06160-6015A	022	-	65.06520-6007	024	3	65.10102-6070	029	2
65.06160-6016A	020	1	65.06901A0069	021	45	65.10108-0006	029	3
65.06160-6016A	022	1	65.06901A0074	024	18	65.10301-6053	032	1
65.06162-5002B	020	-	65.06901A0074	025	4	65.10301-6054	032	2
65.06162-5006A	020	3	65.06903-0070	021	47	65.10301-6055	033	1
65.06163-0008	020	5	65.06903B0010	021	3	65.10301-6056	033	2
65.06163-0009	020	4	65.06903B0010	025	10	65.10301-6057	034	1
65.06165-0008A	020	1	65.06907-0001	020	6	65.10301-6058	034	2
65.06168-0001A	020	2	65.06907-0002A	020	7	65.11101-7301	030	-
65.06301-0091	025	9	65.08101-6002	026	16	65.11101-7302	030	-
65.06301-0136	021	33	65.08101-6007	026	1	65.11101-7303	030	-
65.06301-0153	021	18	65.08101-6008	026	-	65.11101-7332	030	-
65.06301-0161	026	38	65.08101-6010	026	-	65.11101-7333	030	-
65.06301-0163	025	-	65.08101-6011	026	5	65.11101-7334	030	-
65.06301-0678	025	-	65.08112-5009	028	19	65.11101-7680	030	1
65.06301-0685	021	25	65.08112-5010	028	20	65.11101-7681	030	-
65.06301-0686	021	27	65.08116-0010	026	40	65.11101-7682	030	-
65.06301-0750	022	26	65.08201-5250A	027	-	65.11220-7006	030	3
65.06301-0751	022	-	65.08201-5366	027	24	65.11220-7006	046	15
65.06301-0752	022	-	65.08201-5400	027	-	65.11300-6001	008	25
65.06301-0753	021	46	65.08202-0117	028	2	65.11301-0115A	030	39
65.06301-0754	021	36	65.08202-0134	028	-	65.11501-7006	030	2
65.06301-5049	023	8	65.08202-0267	028	-	65.12301-0001	030	18
65.06301-5074	023	9	65.08203-0001	027	28	65.12301-0002	030	33
65.06301-5195	022	14	65.08301-5006	028	12	65.12301-0003	030	-
65.06301-5196	022	16	65.08301-5008	028	-	65.12301-0004	030	22

Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.		Part No.	Fig.No. Key No.	
65.12301-0005A	030	-	65.26609-0003	040	5	65.90020-0065	002	3
65.12301-0006	035	1	65.26609-0004	040	6	65.90020-0068	039	5
65.12301-0007	035	2	65.26810-0008	045	9	65.90020-0127	005	18
65.12301-0008	035	-	65.26810-0008	046	8	65.90020-0183B	002	7
65.12301-0009	035	-	65.27101-6002	045	4	65.90020-0223	002	6
65.12301-5142	029	7	65.27101-6002	046	4	65.90020-0268	007	10
65.12301-5143	029	-	65.27103-7002C	047	17	65.90020-0269	007	11
65.12301-5144	029	-	65.27103-7002C	048	17	65.90020-0270	007	12
65.12301-5215	031	11	65.27401-6004	045	5	65.90020-0293	001	6
65.12301-5831B	030	30	65.27401-6004	046	5	65.90030-0001	014	8
65.12301-6002	031	13	65.27405-6003	047	15	65.90030-0001	015	5
65.12301-6003	031	14	65.27405-6003	048	15	65.90030-0046A	005	-
65.12340-0001	030	14	65.27415-6002	047	16	65.90030-0048A	005	3
65.12501-7018	030	26	65.27415-6002	048	16	65.90201-0072	026	13
65.12501-7018	031	4	65.27431-6002	045	6	65.90201-0072	026	26
65.12501-7034a	035	16	65.27431-6002	046	6	65.90201-0072	028	16
65.12503-5017	035	18	65.27431-6003	045	7	65.90201-0144	026	8
65.12504-5018a	035	17	65.27441-6001	047	13	65.90201-0144	026	22
65.12509-5002	035	10	65.27441-6001	048	13	65.90310-0033	047	10
65.12540-5027	035	19	65.27441-7009	047	12	65.90310-0033	048	10
65.15201-5005	036	12	65.27441-7009	048	12	65.90310-0123	028	27
65.15211-5003	036	14	65.27480-6001	020	18	65.90310-0131	001	17
65.15901-0010	036	15	65.29101-0002	040	3	65.90310-0133	014	25
65.19102-5049	039	9	65.29101-0003	040	4	65.90310-0133	015	21
65.19103-5027	039	14	65.29101-6072	047	19	65.90310-0134	001	15
65.19103-6009A	039	12	65.29101-6073	048	20	65.90310-0134	014	28
65.19107-0004	049	10	65.29101-8001	047	20	65.90310-0135	001	29
65.19202-5004	037	1	65.41530-0127A	002	25	65.90310-0149	001	13
65.19202-5006	035	25	65.41530-5081	001	43	65.90441-0015	049	9
65.19202-5006	037	5	65.41530-5087	001	44	65.90501-0047	028	18
65.25210-6002	045	16	65.41560-0004	044	1	65.90501-0049	008	16
65.25210-6002	046	11	65.41560-0005	044	2	65.90620-0030	049	11
65.25501-6001	045	13	65.41560-0006	044	3	65.90701-0091	014	9
65.25501-6001	046	9	65.54901-0022	002	15	65.90701-0091	015	6
65.25501-6002	045	14	65.54901-0022	016	17	65.90701-0103	008	3
65.25501-6002	046	10	65.61700-6021	045	1	65.90701-0104	008	4
65.25501-6003	045	15	65.61700-6022	046	1	65.90701-0136B	008	18
65.25501-7001	045	8	65.61710-0004	045	2	65.90710-0001A	030	41
65.25501-7001	046	7	65.61710-0005	046	2	65.90710-0080	027	20
65.25502-6005	046	13	65.61713-5002a	046	3	65.90710-0250A	016	1
65.25502-6007	045	17	65.61713-5006	045	3	65.90720-0109	002	2
65.25502-6007	046	17	65.61750-6008	045	10	65.90810-0011	006	8
65.25502-6009	045	18	65.61750-6008	046	14	65.91301-0071	001	3
65.25502-6009	046	18	65.90001-0129	001	31	65.91303-0005	005	17
65.25900-6008	038	1	65.90001-0146	008	20	65.91605-0013	001	22
65.25909-5013	038	2	65.90001-0146A	030	44	65.91606-0037	001	10
65.26101-7139	039	8	65.90020-0054C	002	8	65.91606-0037	007	6
65.26201-7123	042	1	65.90020-0062B	005	11	65.91606-0039	001	11