

0CS10-M53200EN

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1. Some of the illustrations in this parts catalog are simplified.
2. Depending on the specifications of your product, the actual product and parts catalog may not match.
3. Please use genuine parts when repairing the product.
4. When ordering spare parts, please confirm the specifications (model name, serial number, part number, quantity, etc.) and confirm with your distributors or dealers.
5. Please refer to the user manual or service manual for information on how to replace parts, technical information, and other related details.
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P R E F A C E

1. This Parts Catalog carries Yanmar excavator (crawler back-hoe)Vio35-5B for Korea.

2. Parts catalog history

		Parts catalog NO.	Published	Remarks
1st edition	Vehicle	000Y00S5320	Apr. , 2008	
	Engine	000Y00B7600		

3. Model name

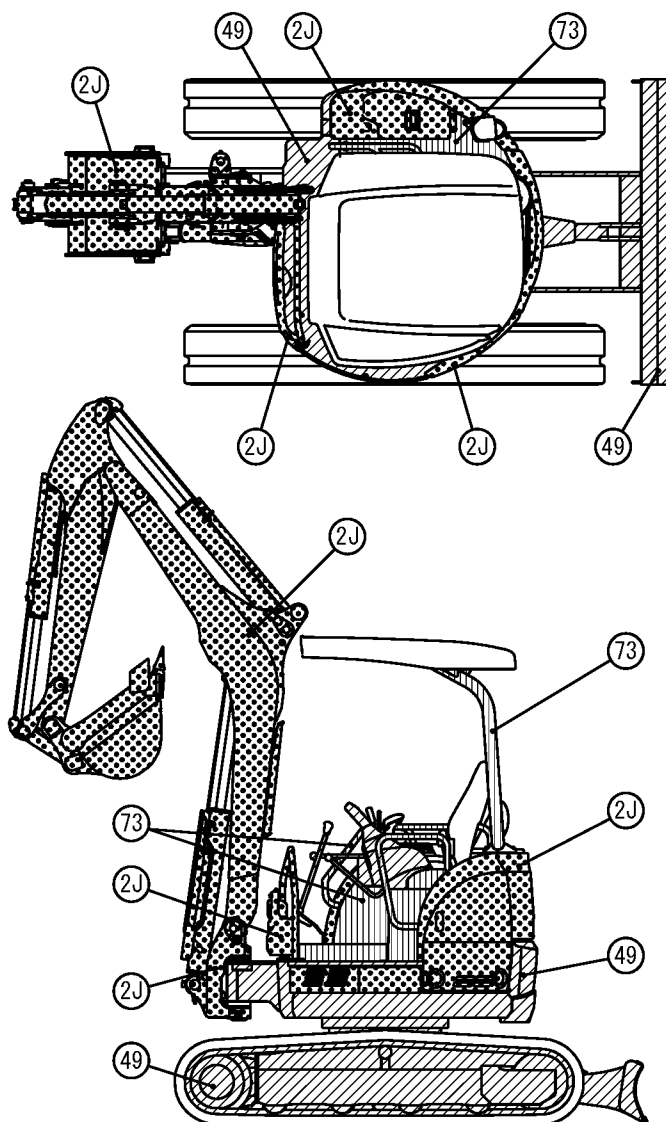
SECTION	Column	Model name	M/#	Manufactured
I (Vehicle)	(A)	Vio35-5B P(KR)	53074~	2008/ 3
	(B)	Vio35-5B P(KR, 30B)		
II (Engine)	(A)	3TNV88-BQBVB	83976	2008/ 3

(Note) P:Canopy KR:Korea

4. Your understanding is asking that this parts catalog is not a technical data manual setting forth as servicing procedures, This parts catalog is using simplified illustration.

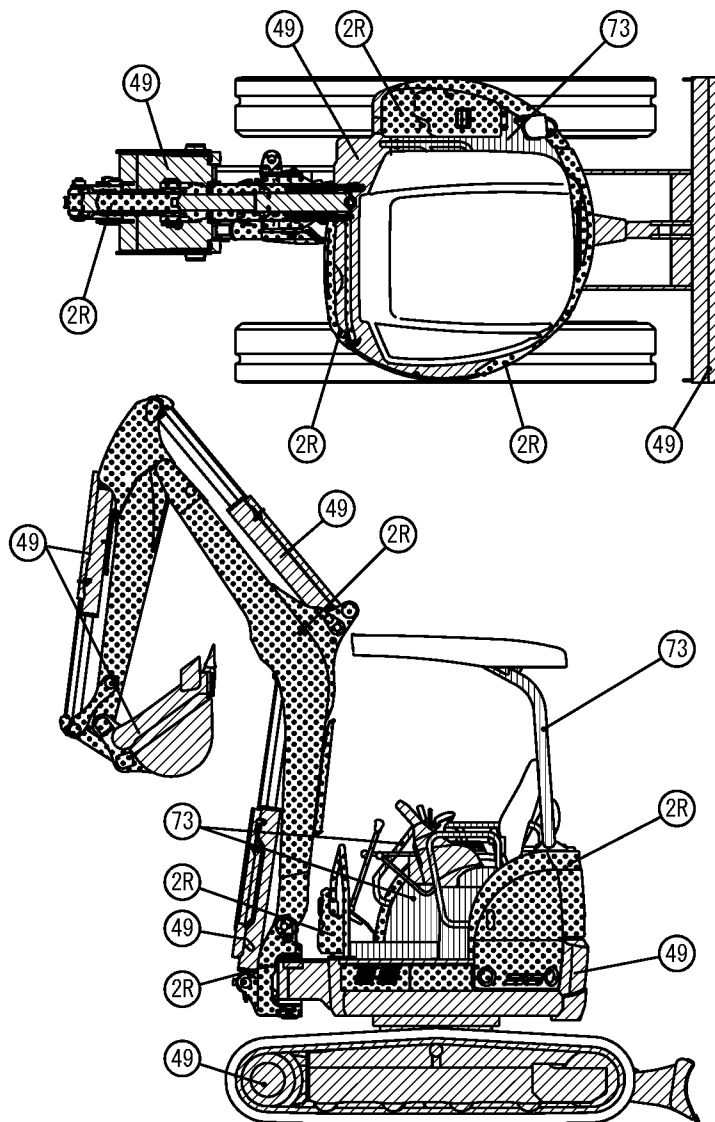
Be sure to use Yanmar Genuine Parts in your maintenance servicing of Yanmar products. Be careful not to use the simple parts available in the market, otherwise their use in repairing causes such as an early breakage, for instance.

VEHICLE PAINTED COLOR(1) (TO M55000)



Color Code	Description	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
49		YANMAR Navy Gray	-----	TOR-91390000	TOR-94800490
2J		YANMAR New Permanent Yellow 2	981101-09520	977620-40871	977620-30872
73		YANMAR Warm Gray	-----	-----	TOR-94800730

VEHICLE PAINTED COLOR(2) (FROM M55001)

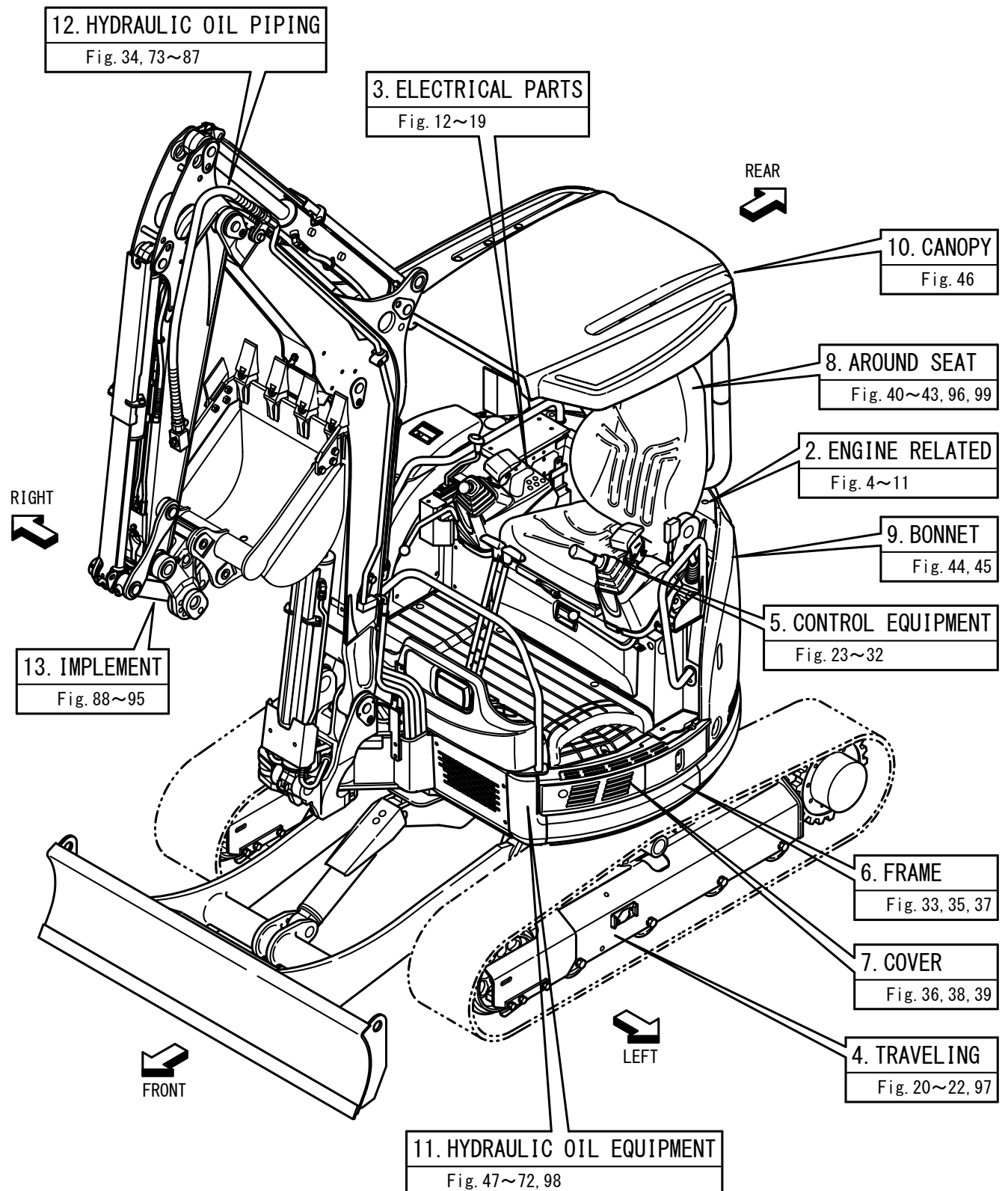


Color Code	Description	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
49		YANMAR Navy Gray	-----	TOR-91390000	TOR-94800490
2R		YANMAR Turmeric Yellow	-----	977620-41001	977620-41002
73		YANMAR Warm Gray	-----	-----	TOR-94800730

PICTURESQUE INDEX (1) ■ ■ ■ MAIN PARTS

1. LABEL & ACCESSORY

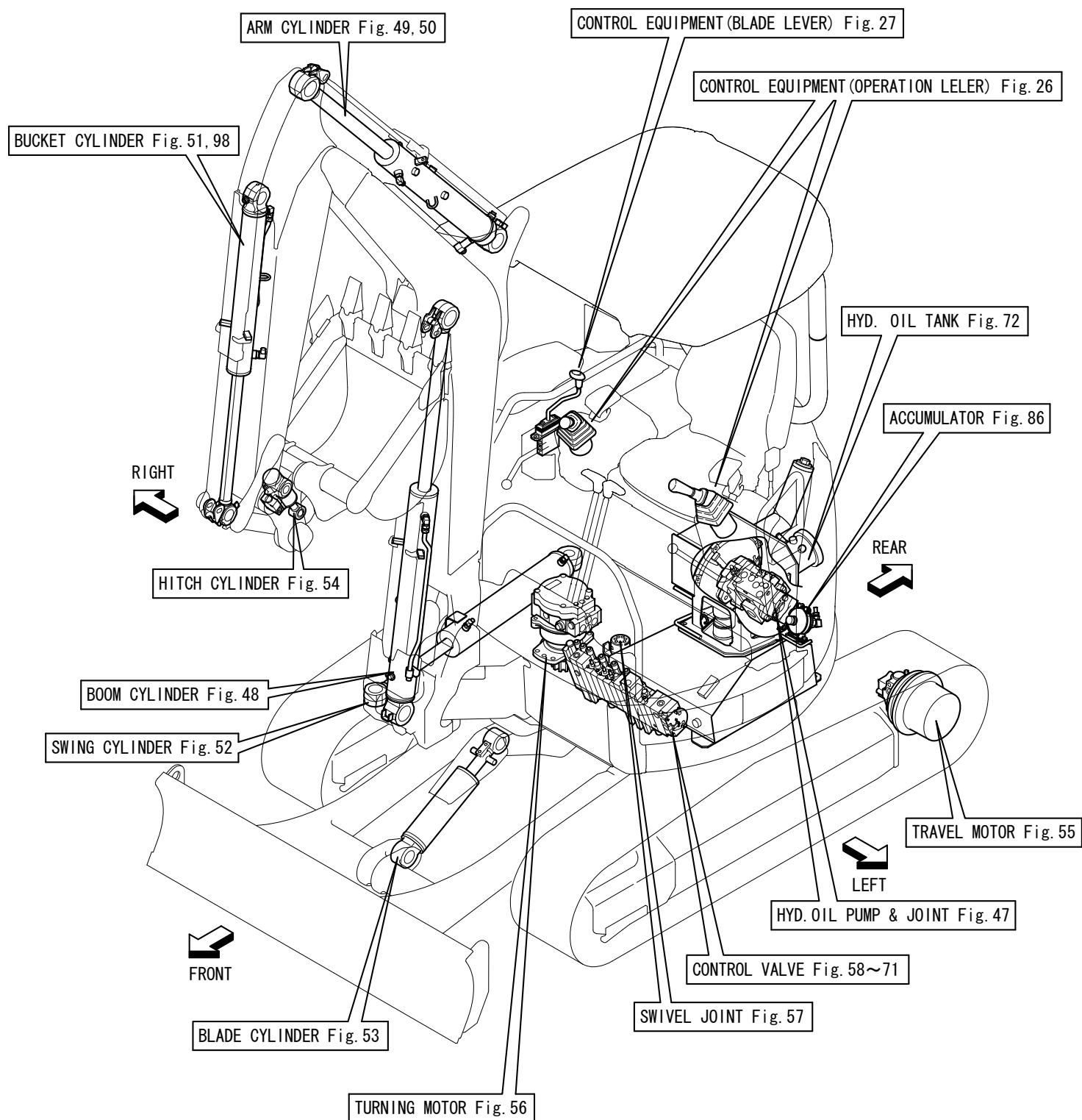
Fig. 1~3



PICTURESQUE INDEX (2) ■ ■ ■ HYDRAULIC SECTION

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46. CANOPY

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Fig. No. Fig. Name

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60. CONTROL VALVE(3/7)

61. CONTROL VALVE(4/7)

62. CONTROL VALVE(5/7)

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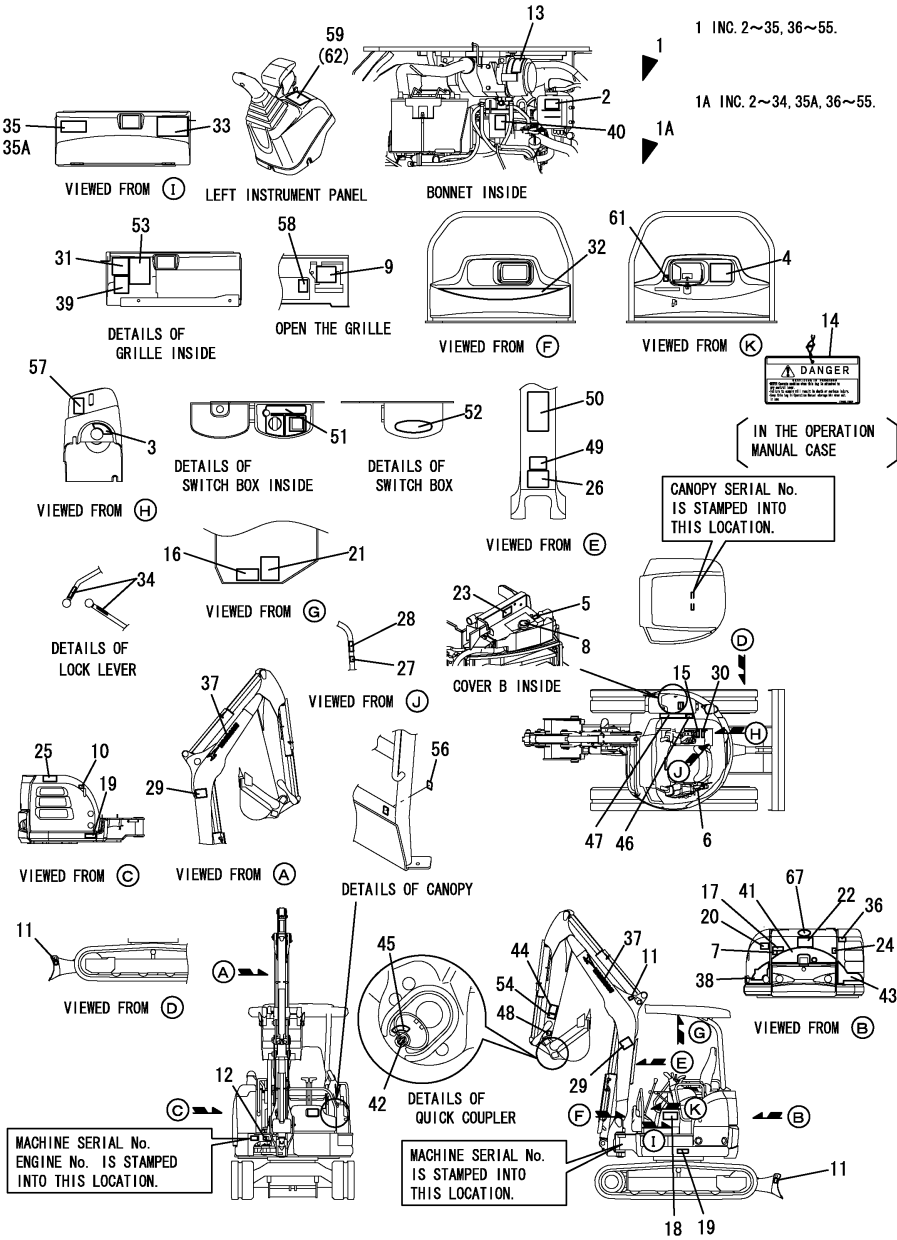
- 74. HYD.OIL PIPING(CONTROL VALVE - TURNING MOTOR)
- 75. HYD.OIL PIPING(CONTROL VALVE : FITTING)
- 76. HYD.OIL PIPING(CONTROL VALVE - BOOM, SWING)
- 77. HYD.OIL PIPING(CONTROL VALVE - BOOM CYLINDER)
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- 81. HYD.OIL PIPING(BOOM)(30B)
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Fig. No. Fig. Name

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- 95. BLADE

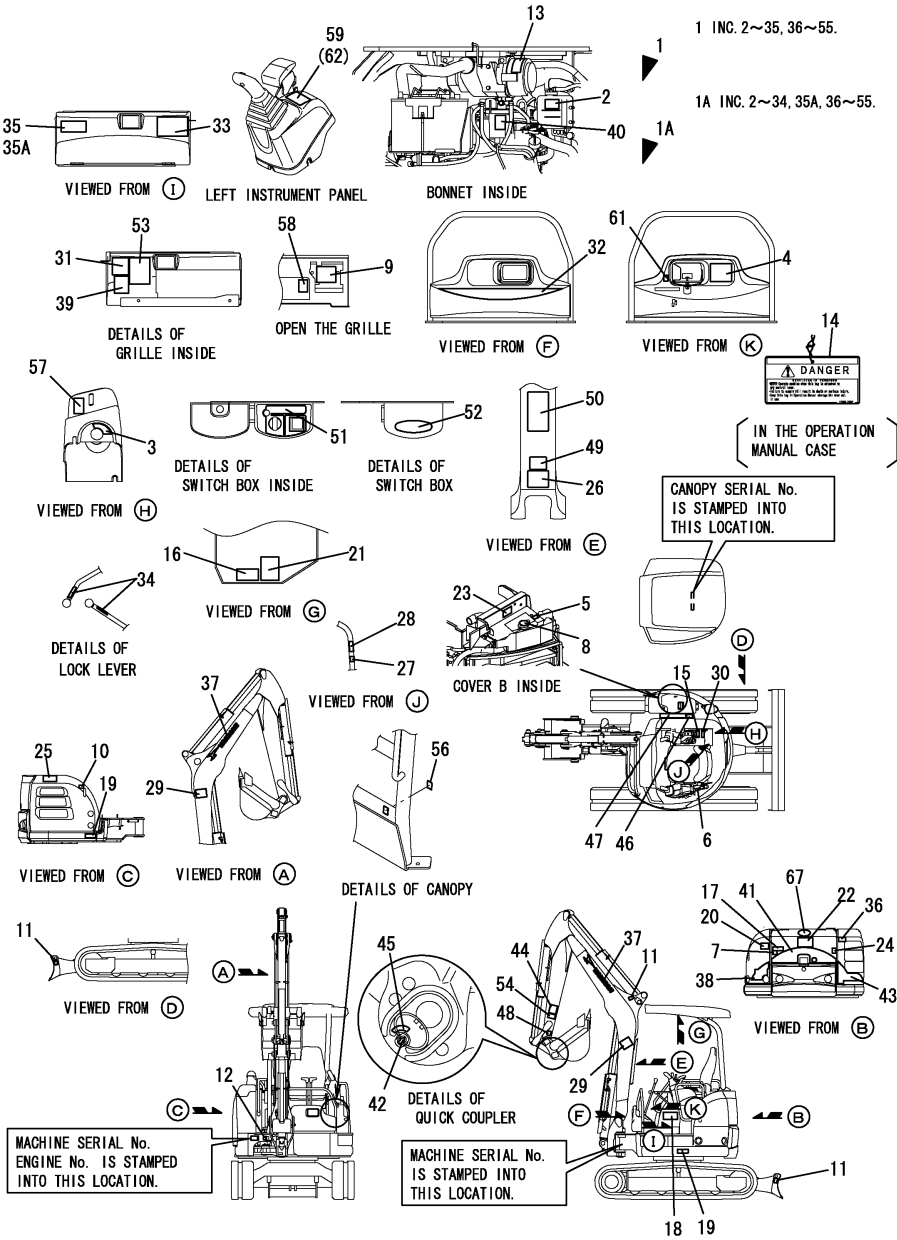
Fig.1. LABEL



Remarks
(1)RUBBER CRAWLER SPEC.
(2)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.38-1,43-1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A77-03300	SET,LABEL VIO35-5BKR	1							
1-1	1	772A77-03301	SET,LABEL VIO35-5BKR	1							S
(A=M55001)											
1A	1	772A77-03340	S,LABEL VIO35-5B(30B		1						
1A-1	1	772A77-03341	S,LABEL VIO35-5B(30B		1						S
(B=M55001)											
2	2	172A38-03201	LABEL, SUB TANK	1	1						
3	2	172A64-03700	LABEL, START SWITCH	1	1						
4	2	172490-03200	LABEL, OPERATION	1	1						
5	2	172A38-03211	LABEL, ANTI-FREEZING	1	1						
6	2	172458-03220	LABEL, ACCELERATOR	1	1						
7	2	172463-03290	LABEL, HYD.OIL	1	1						
8	2	172462-03320	LABEL, RADIATOR	1	1						
9	2	172A47-03340	LABEL, FUSE	1	1						
10	2	172437-03501	LABEL, FUEL	1	1						
11	2	172437-03511	LABEL, HOOK	3	3						
12	2	172156-03740	LABEL, GREASE	1	1						
13	2	172125-03951	LABEL, AIR CLEANER	1	1						
14	2	172437-03252	TAG ASSY, CAUTION	1	1						
15	2	172437-03302	LABEL, MANUAL	1	1						
16	2	172437-03312	LABEL, SLOPE	1	1						
17	2	172437-03322	LABEL, RESEVOIR	1	1						
18	2	172437-03343	LABEL, TRANSPORT	1	1						
19	2	172437-03352	LABEL, CYLINDER	2	2						
20	2	172437-03361	LABEL, BATTERY	1	1						
21	2	172437-03372	LABEL, NEUTRAL	1	1						
22	2	172437-03381	LABEL, SWING AREA	1	1						
23	2	172437-03391	LABEL, RADIATOR	1	1						
24	2	172437-03402	LABEL, ENGINE COVER	1	1						
25	2	172437-03422	LABEL, MUFFLER	1	1						
26	2	172437-03432	LABEL, STEERING	1	1						
27	2	172437-03441	LABEL, ROPS	1	1						
27-1	2	172499-03270	LABEL, TOPS	1	1						N
(A=MXXXXX) (B=MXXXXX)											
28	2	172437-03451	LABEL, SEAT BELT	1	1						
29	2	172437-03461	LABEL, BOOM	2	2						
30	2	172437-03471	LABEL, LEVER LOCK	1	1						
31	2	172437-03242	LABEL, CRAWLER	1	1						1
32	2	172A47-03140	LABEL, FRONT	1	1						
33	2	172472-03141	LABEL, SUPPORT	1	1						
34	2	172183-03280	LABEL, LOCK	2	2						
35	2	172A77-03320	LABEL SPEC US	1							
35-1	2	172A77-03330	LABEL SPEC KR	1							N
(A=M/#53267)											
35A	2	172A77-03340	LABEL SPEC KR 30		1						
35A-1	2	172A77-03341	LABEL SPEC KR 30		1						N
(B=M/#53267)											
36	2	172A36-03411	LABEL, ENGINE ROOM	1	1						
37	2	172531-03030	LABEL, YANMAR	2	2						
37-1	2	172A77-03030	LABEL, YANMAR	2	2						S
(A=M55001) (B=M55001)											

Fig.1. LABEL



(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

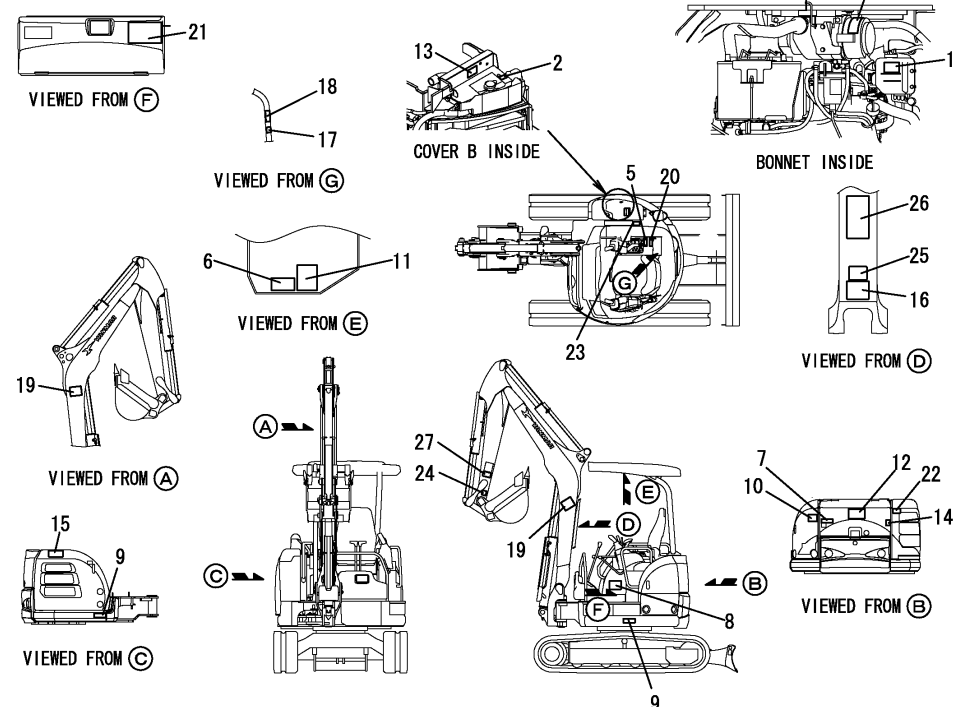
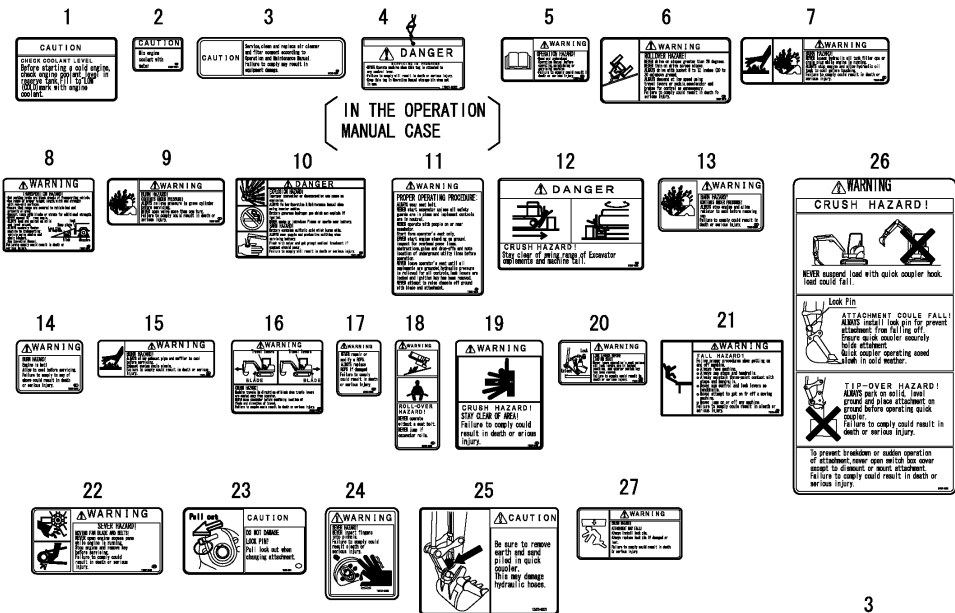
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38	2	172A46-03151	LABEL, MODEL NAME	1	1						
38-1	2	172A46-03152	LABEL, MODEL NAME	1	1					S	2
(A=M/#XXXXXX) (B=M/#XXXXXX)											
38-2	2	172A77-03150	LABEL, MODEL L	1	1					S	
(A=M55001) (B=M55001)											
39	2	172467-03150	LABEL, GREASING	1	1						
40	2	172A07-03160	LABEL	1	1						
41	2	172A46-03161	LABEL, REAR	1	1						
42	2	172958-03160	LABEL	1	1						
43	2	172A46-03171	LABEL, MODEL NAME	1	1						
43-1	2	172A46-03172	LABEL, MODEL NAME	1	1					S	2
(A=M/#XXXXXX) (B=M/#XXXXXX)											
43-2	2	172A77-03170	LABEL, MODEL R	1	1					S	
(A=M55001) (B=M55001)											
44	2	172472-03230	LABEL, OPERATION	1	1						
45	2	172458-03240	LABEL, LOCK	1	1						
46	2	172472-03241	LABEL, PINUS	1	1						
47	2	172472-03250	LABEL, OPERATION	1	1						
48	2	172472-03261	LABEL, FINGER	1	1						
49	2	172472-03271	LABEL, SANDUS	1	1						
50	2	172472-03281	LABEL, WARNING HITCH	1	1						
51	2	172472-03290	LABEL, SWITCH	1	1						Z
(A=FROM 1ST) (B=FROM 1ST)											
52	2	172472-03300	LABEL, COVER	1	1						Z
(A=FROM 1ST) (B=FROM 1ST)											
53	2	172A46-03330	LABEL, SPECIFICATION	1	1						
54	2	172472-03330	LABEL, LOCK PIN	1	1						
56	2	172A47-03250	LABEL, PTO FOOT	1							W
(A=M/#XXXXXX)											
57	2	172A47-03260	LABEL, PTO SWITCH	1							W
(A=M/#XXXXXX)											
58	2	172A47-03270	LABEL, PTO SELECT	1							W
(A=M/#XXXXXX)											
59	2	172A47-03371	LABEL, PTO EX	1							W
(A=M/#XXXXXX)											
61	2	172A46-03220	LABEL, PTO		1						W
(B=M/#XXXXXX)											
62	2	172A46-03301	LABEL, PTO		1						W
(B=M/#XXXXXX)											
67	1	172A77-03110	EMBLEM ASSY	1	1						W
(A=M55001) (B=M55001)											

Remarks
(1)RUBBER CRAWLER SPEC.
(2)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.38-1,43-1.

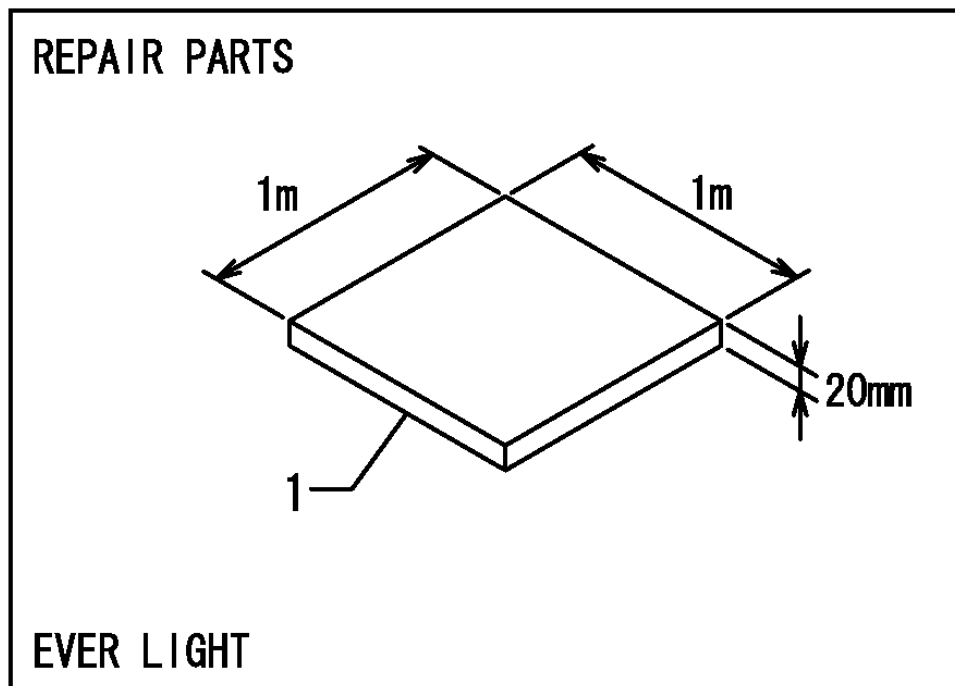
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



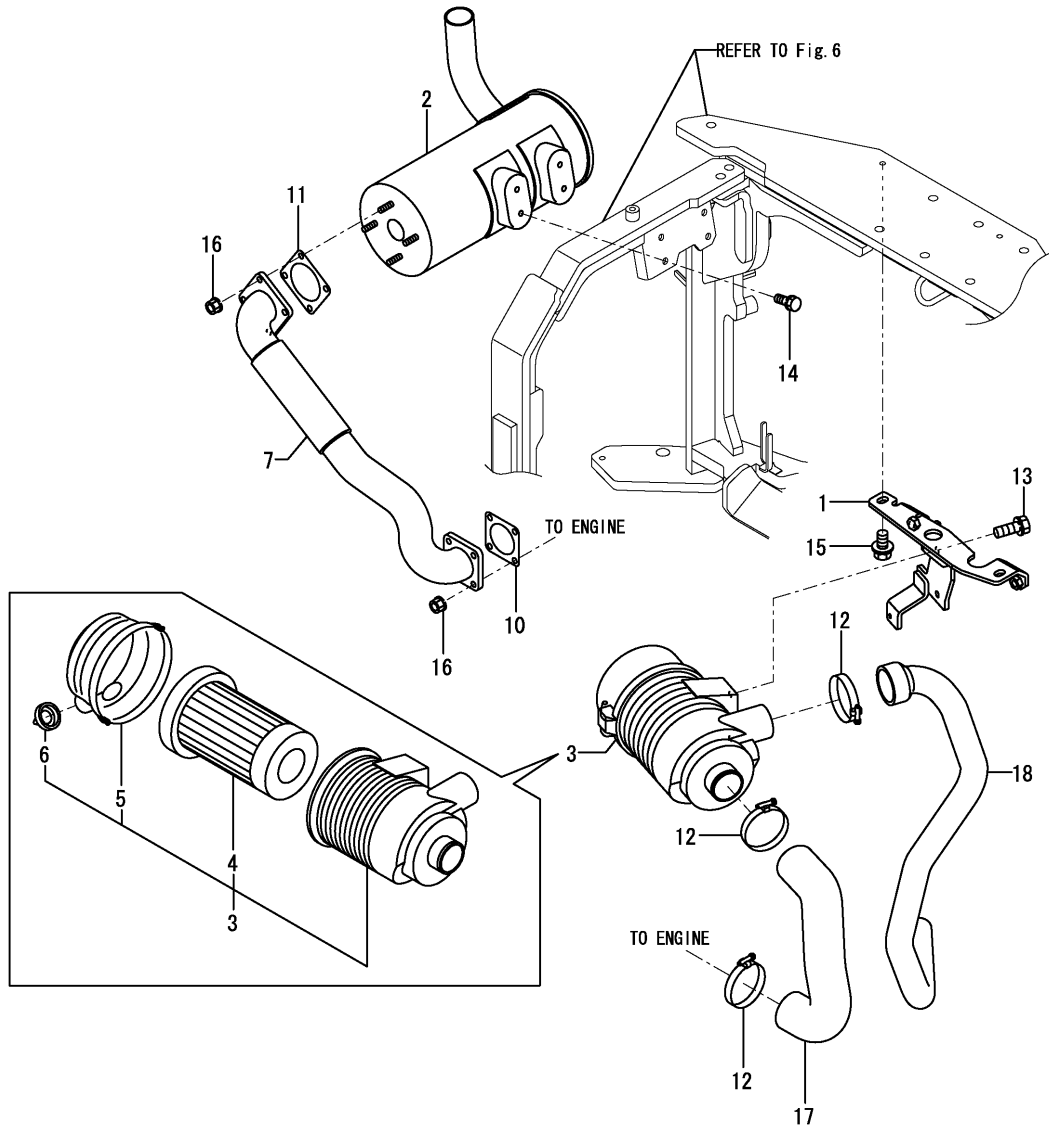
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A38-03201	LABEL, SUB TANK	1	1						
2	1	172A38-03211	LABEL, ANTI-FREEZING	1	1						
3	1	172125-03951	LABEL, AIR CLEANER	1	1						
4	1	172437-03252	TAG ASSY, CAUTION	1	1						
5	1	172437-03302	LABEL, MANUAL	1	1						
6	1	172437-03312	LABEL, SLOPE	1	1						
7	1	172437-03322	LABEL, RESEVOIR	1	1						
8	1	172437-03343	LABEL, TRANSPORT	1	1						
9	1	172437-03352	LABEL, CYLINDER	2	2						
10	1	172437-03361	LABEL, BATTERY	1	1						
11	1	172437-03372	LABEL, NEUTRAL	1	1						
12	1	172437-03381	LABEL, SWING AREA	1	1						
13	1	172437-03391	LABEL, RADIATOR	1	1						
14	1	172437-03402	LABEL, ENGINE COVER	1	1						
15	1	172437-03422	LABEL, MUFFLER	1	1						
16	1	172437-03432	LABEL, STEERING	1	1						
17	1	172437-03441	LABEL, ROPS	1	1						
17-1	1	172499-03270	LABEL, TOPS	1	1						N
(A=MXXXXX) (B=MXXXXX)											
18	1	172437-03451	LABEL, SEAT BELT	1	1						
19	1	172437-03461	LABEL, BOOM	2	2						
20	1	172437-03471	LABEL, LEVER LOCK	1	1						
21	1	172472-03141	LABEL, SUPPORT	1	1						
22	1	172A36-03411	LABEL, ENGINE ROOM	1	1						
23	1	172472-03241	LABEL, PINUS	1	1						
24	1	172472-03261	LABEL, FINGER	1	1						
25	1	172472-03271	LABEL, SANDUS	1	1						
26	1	172472-03281	LABEL, WARNING HITCH	1	1						
27	1	172472-03330	LABEL, LOCK PIN	1	1						

Fig.3. REPAIR PARTS

[illegible]

Remarks
(1)REPAIR PARTS.

Fig.4. MUFFLER & AIR CLEANER

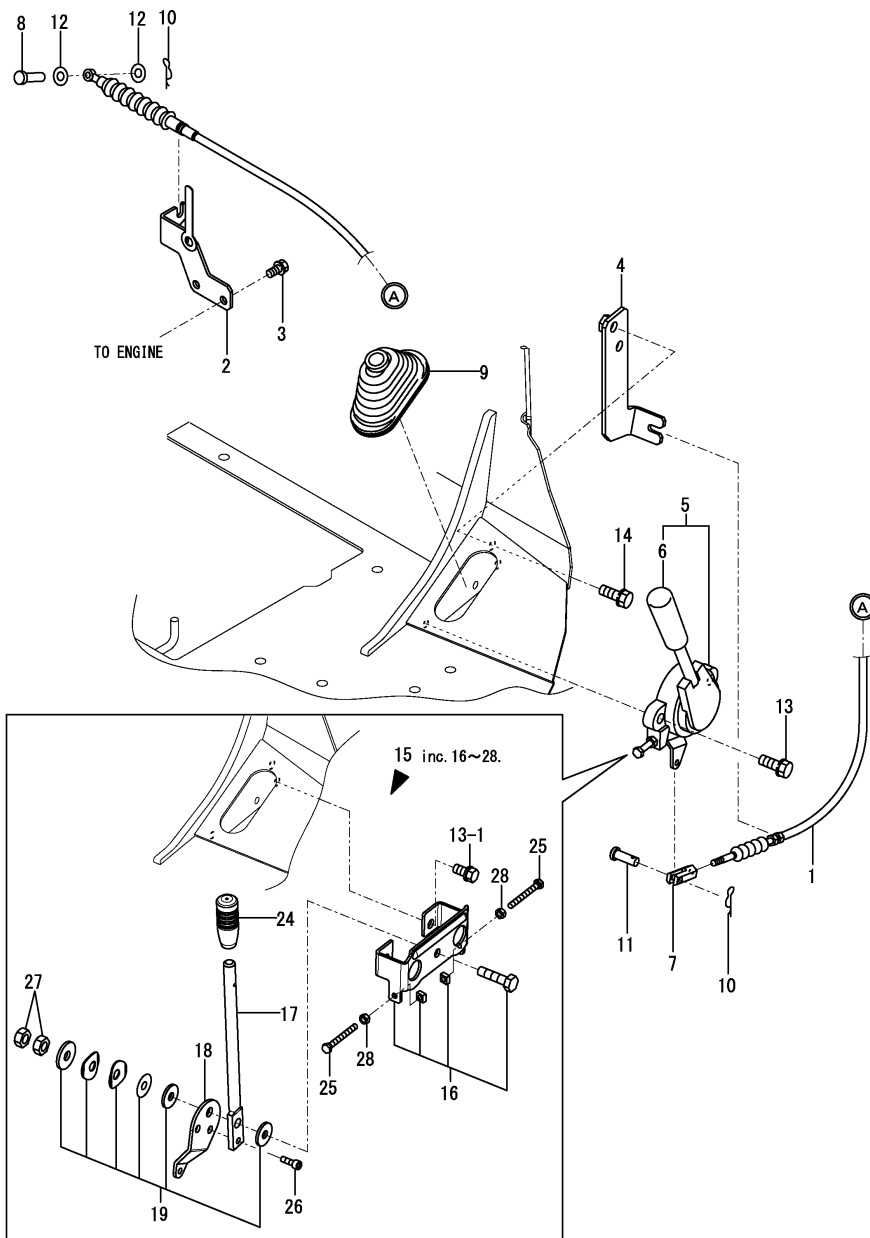


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-11550	BRACKET ASSY	1	1						
2	1	172A46-11302	MUFFLER ASSY	1	1						
3	1	172A46-11500	CLEANER ASSY, AIR	1	1						
4	2	129004-12520	ELEMENT	1	1						
5	2	119866-12530	COVER ASSY	1	1						
6	2	119808-12540	VALVE, UNLOADER	1	1						
7	1	172A46-11701	TUBR ASSY, EXHAUST	1	1						
7-1	1	172A46-11702	TUBR ASSY, EXHAUST	1	1						N
		(A=MXXXXX) (B=MXXXXX)									
10	1	124701-11911	GASKET, SILENCER	1	1						
11	1	129400-13201	GASKET, SILENCER	1	1						
12	1	23000-070000	CLAMP, 70	3	3						
13	1	26013-080202	BOLT, M8X 20	2	2						
14	1	26013-080252	BOLT, M8X 25	4	4						
15	1	26014-100252	BOLT, M10X 25	2	2						
16	1	26051-080002	NUT, M8	8	8						
17	1	172A46-11510	HOSE, AIR CLEANER	1	1						
18	1	172A46-11520	HOSE, AIR CLEANER	1	1						

Fig.5. ACCELERATOR



(1) Interchangeable by simultaneous replacement with No.13-1 & 15.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

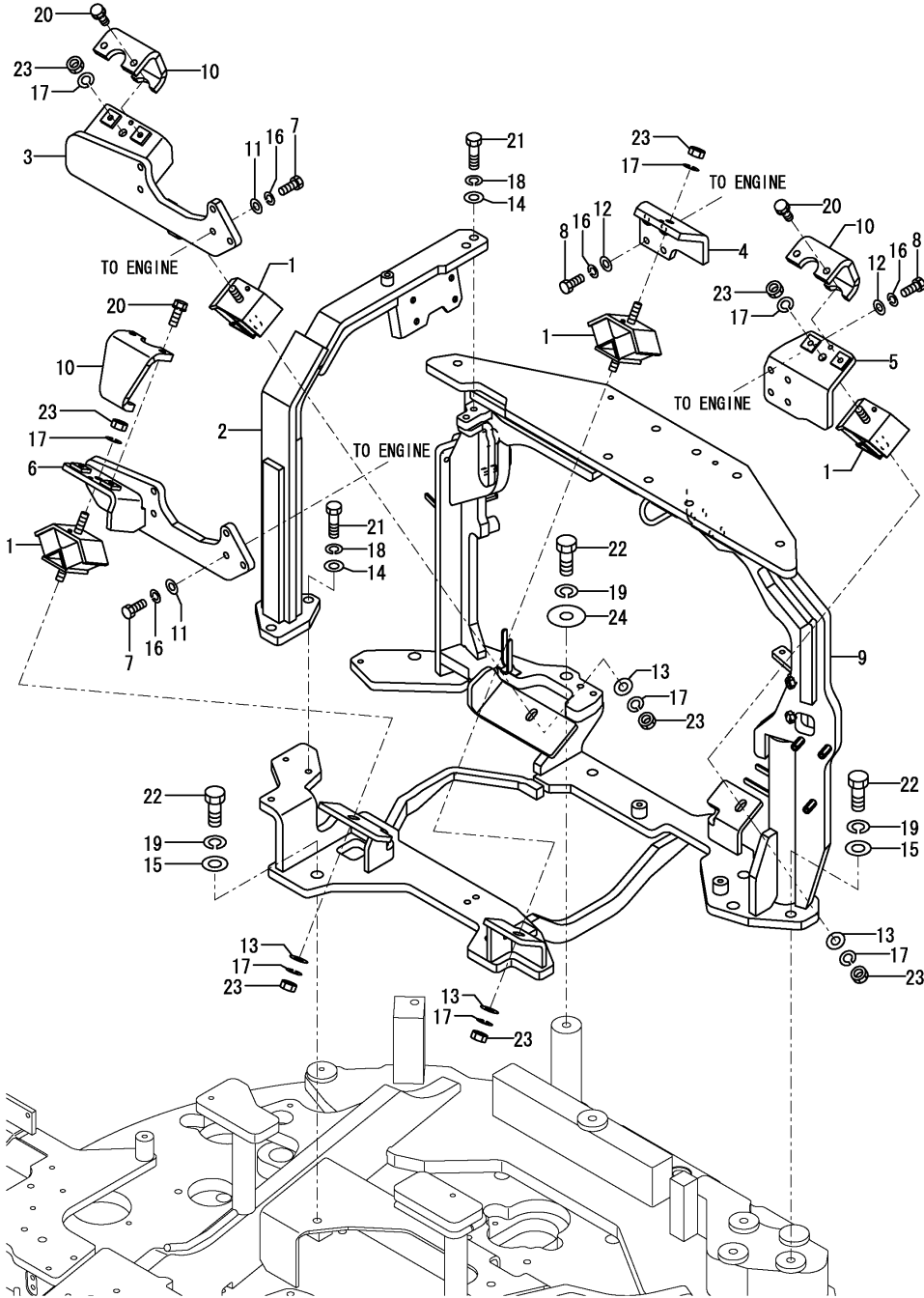
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	172A46-12101	CABLE, ACCELERATOR	1	1					
2	1	172A46-12150	BRACKET, WIRE	1	1					
3	1	26013-080162	BOLT, SPRING M8X 16	2	2					
4	1	172A47-12110	BRACKET, CABLE	1	1					
5	1	172A47-12141	LEVER, ACCELERATOR	1	1					Z 1
		(A=*2016.10.)	(B=*2016.10.)							
6	2	172165-12140	GRIP	1	1					
6-1	2	172A79-12150	GRIP	1	1					N
		(A=MXXXXXX)	(B=MXXXXXX)							
7	1	172137-12270	JOINT, CABLE	1	1					
8	1	172113-12522	PIN, CABLE	1	1					
9	1	172141-41340	BOOT	1	1					
10	1	1C6281-52310	PIN, SNAP 6	2	2					
11	1	1A1040-56900	PIN, FLAT HEAD 6X17	1	1					
12	1	22137-060000	WASHER, 6	2	2					
13	1	26013-100252	BOLT, SPRING M10X 25	2	2					
13-1	1	26013-100202	BOLT, M10X 20	2	2					S
		(A=*2016.10.)	(B=*2016.10.)							
14	1	26013-100252	BOLT, SPRING M10X 25	2	2					
15	1	172A47-12142	LEVER ASSY, ACCEL.	1	1					W
		(A=*2016.10.)	(B=*2016.10.)							
16	2	172458-12150	BRACKET ASSY, ACCEL.	1	1					
17	2	172458-12170	LEVER,ACCEL	1	1					
18	2	172458-12180	PLATE	1	1					
19	2	172458-12200	SPRING SET	1	1					
24	2	172498-12250	GRIP, ACCELERATOR	1	1					
25	2	26117-060554	BOLT M 6X 55	2	2					
26	2	26450-060102	BOLT, M6X 10	1	1					
27	2	26757-100002	NUT, LOCK M10	2	2					
28	2	26857-060002	NUT, M6	2	2					

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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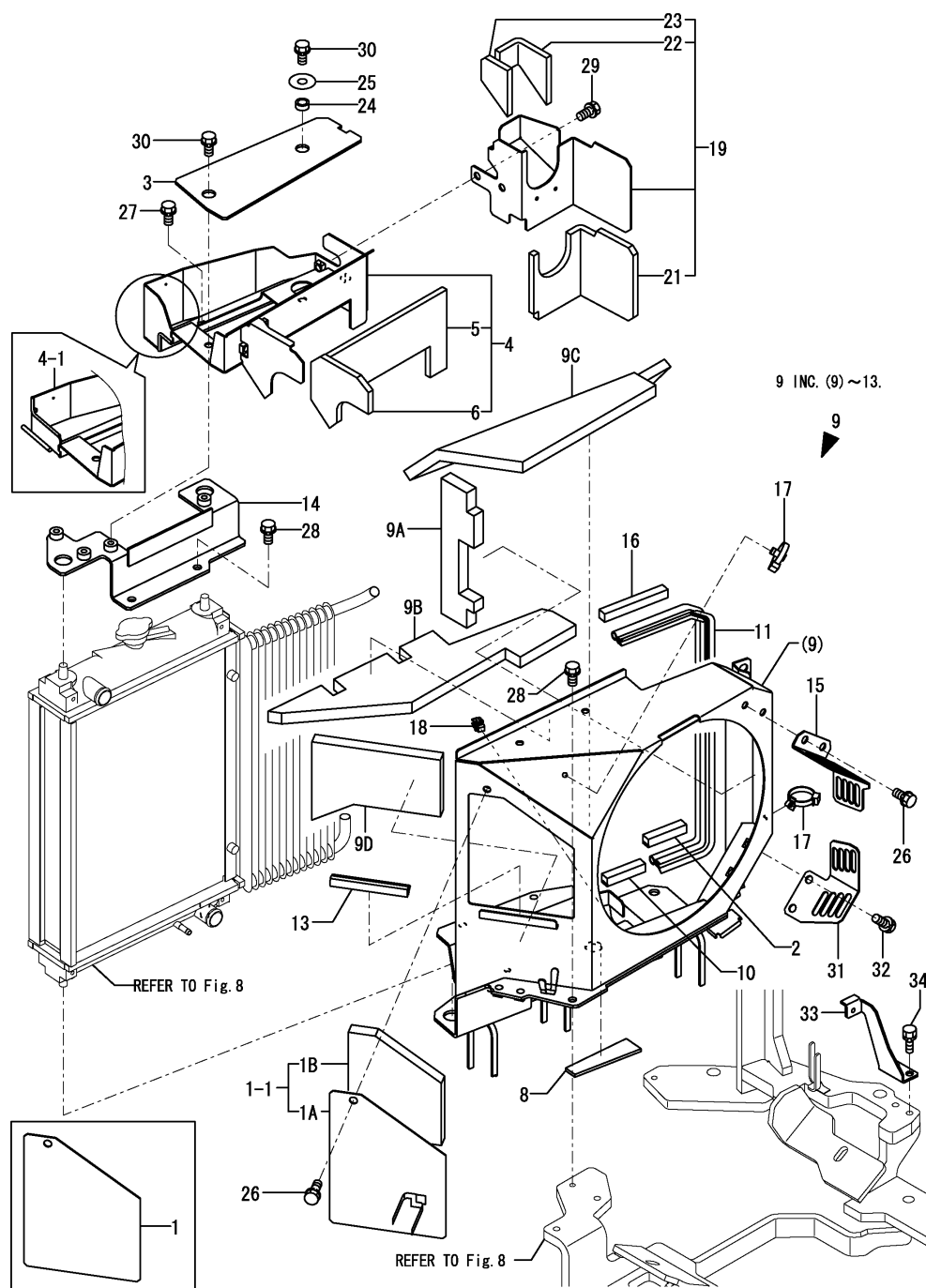
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	196420-02310	ABSORBER, SHOCK 230	4	4						
2	1	172A46-11311	BRACKET ASSY	1	1						
3	1	172164-13100	BRACKET	1	1						
4	1	172175-13110	PLATE	1	1						
5	1	172490-13110	BRACKET	1	1						
6	1	172A46-13170	MOUNT ASSY, ENGINE	1	1						
7	1	172162-13200	BOLT	10	10						
8	1	172162-13200	BOLT	8	8						
9	1	172A46-13213	MOUNT ASSY, ENGINE	1	1						
9-1	1	172A46-13214	MOUNT ASSY, ENGINE	1	1						N
(A=M/#XXXXX) (B=M/#XXXXX)											
10	1	172124-13230-5	STOPPER, ENGINE	3	3						
11	1	172137-46042	SEAT, SPRING	10	10						
12	1	172137-46042	SEAT, SPRING	8	8						
13	1	22137-120000	WASHER, 12	4	4						
14	1	22137-120000	WASHER, 12	4	4						
15	1	22137-160000	WASHER, 16	7	7						
16	1	22217-100000	WASHER, SPRING 10	18	18						
17	1	22217-120000	WASHER, SPRING 12	8	8						
18	1	22217-120000	WASHER, SPRING 12	4	4						
19	1	22217-160000	WASHER, SPRING 16	8	8						
20	1	26013-100252	BOLT, M10X 25	6	6						
21	1	26076-120402	BOLT, 10.912X 40	4	4						
22	1	26076-160452	BOLT, 10.916X 45	8	8						
23	1	26716-120002	NUT, M12	8	8						
24	1	22157-160000	WASHER, 16	1	1						

Fig.7. RADIATOR SHURAUD

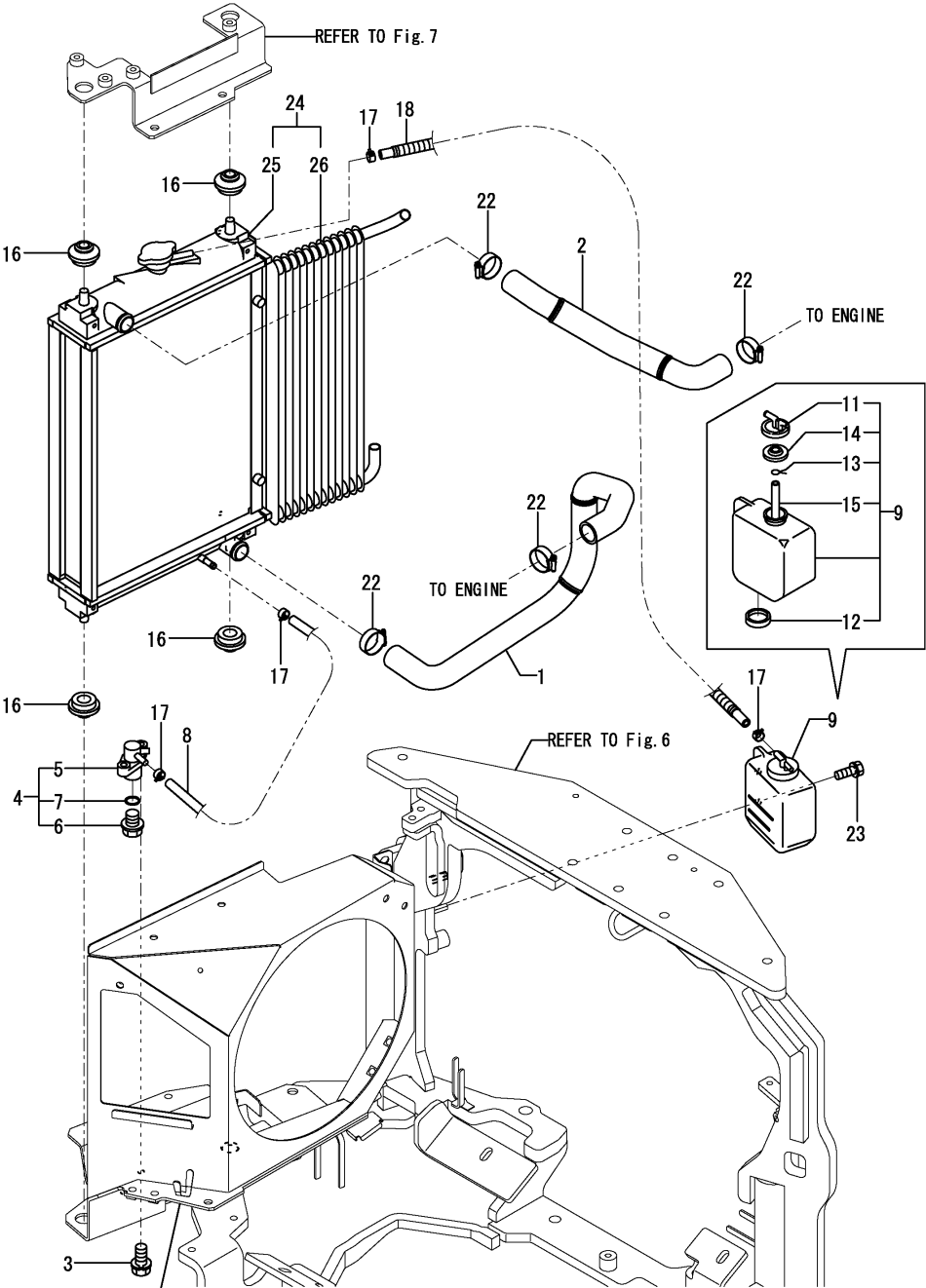


				(A)=VIO35-5B P(KR)			(D)=		
				(B)=VIO35-5B P(KR,30B)			(E)=		
				(C)=			(F)=		
No.	Lev.	Parts No.	Description	Q'ty				I	R
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A46-13030	COVER ASSY, SHROUD	1	1				
1-1	1	172A77-13650	COVER ASSY, SHROUD	1	1				N
		(A=FROM 1ST)	(B=FROM 1ST)						
1A	2	172A46-13030	COVER ASSY, SHROUD	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)						
1B	2	172A77-13660	SPONGE	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)						
2	1	172A46-13060	SEAL, SHURAUD	1	1				
3	1	172A46-13090	MAT	1	1				
4	1	172A46-13120	BRACKET ASSY, DUCT	1	1				
4-1	1	172A46-13121	BRACKET ASSY, DUCT	1	1				S
		(A=MZZZZZ)	(B=MZZZZZ)						
5	2	172A46-13130	WOOL, GLASS	1	1				
6	2	172A46-13140	WOOL, GLASS	1	1				
8	1	172A46-13530	SEAL, SHURAUD	1	1				
9	1	172A46-13541	SHROUD ASSY	1	1				
9-1	1	172A46-13542	SHROUD ASSY	1	1				N
		(A=FROM 1ST)	(B=FROM 1ST)						
9A	2	172A77-13610	SPONGE	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)						
9B	2	172A77-13620	SPONGE	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)						
9C	2	172A77-13630	SPONGE	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)						
9D	2	172A77-13640	SPONGE	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)						
10	2	172A46-13060	SEAL, SHURAUD	1	1				
11	2	172A46-13070	RUBBER, SEAL	1	1				
13	2	172458-61500	RUBBER, SEAL	1	1				
14	1	172A46-13660	BRACKET ASSY	1	1				
15	1	172A46-13900	GUARD, FAN	1	1				
16	1	172446-49280	SEAL	1	1				
17	1	194680-51670	BAND, CLIP	2	2				
18	1	1A7400-61250	HOLDER, ROD 8	1	1				
19	1	172A46-61340	COVER ASSY, SILENCER	1	1				
21	2	172A46-61250	WOOL, GLASS	1	1				
22	2	172A46-61260	WOOL, GLASS	1	1				
23	2	172A46-61270	WOOL, GLASS	1	1				
24	1	172155-83170	SPACER	1	1				
25	1	22157-100000	WASHER, 10	1	1				
26	1	26013-100162	BOLT, M10X 16	3	3				
27	1	26013-100202	BOLT, M10X 20	2	2				
28	1	26013-100202	BOLT, M10X 20	3	3				
29	1	26013-100202	BOLT, M10X 20	3	3				
30	1	26013-100252	BOLT, M10X 25	2	2				
31	1	172A46-13910	GUARD, FAN	1	1				
32	1	26013-100162	BOLT, M10X 16	2	2				
33	1	172A77-14290	PLATE, HOSE GUIDE	1	1				W
		(A=M/#XXXXXX)	(B=M/#XXXXXX)						
34	1	26013-100252	BOLT, M10X 25	2	2				W
		(A=M/#XXXXXX)	(B=M/#XXXXXX)						

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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OCS10-M53200 ENGINE RELATED
Fig.8. RADIATOR & SUB-TANK



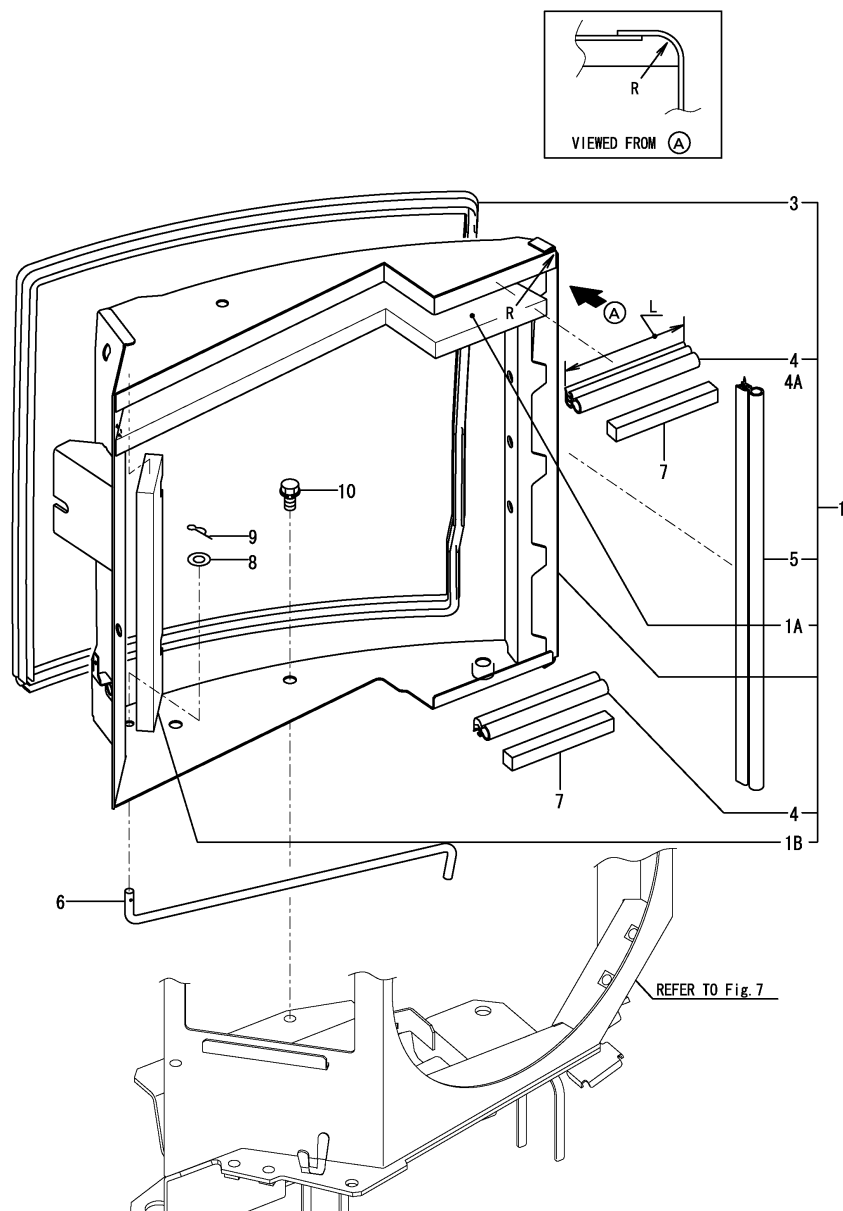
REFER TO Fig. 7

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-13020	PIPE, WATER	1	1						
1-1	1	172A46-13021	HOSE, WATER	1	1						N
(A=M/#53444) (B=M/#53444)											
2	1	172A46-13050	PIPE, WATER	1	1						
2-1	1	172A46-13051	HOSE, WATER	1	1						N
(A=M/#53444) (B=M/#53444)											
3	1	26013-080202	BOLT, M8X 20	2	2						
4	1	172444-13210	COCK ASSY, 2-WAY	1	1						
5	2	172444-13220	BODY	1	1						
6	2	121250-49121	PLUG, DRAIN	1	1						
7	2	24311-000160	O-RING, 1AP16.0	1	1						
8	1	172124-13411	HOSE	1	1						
9	1	121468-44510	TANK ASSY	1	1						
11	2	121450-44531	CAP	1	1						
12	2	121468-44540	PLUG	1	1						
13	2	124450-44560	RETAINER	1	1						
14	2	121470-44581	GASKET	1	1						
15	2	23065-070130	PIPE, 7X 130	1	1						
16	1	184015-44680	ABSORBER, SHOCK	4	4						
17	1	124766-59050	CLIP, HOSE 12	4	4						
18	1	184014-59450	PIPE ASSY, FUEL	1	1						
22	1	23001-041000	CLAMP, HOSE 41	4	4						
23	1	26013-060202	BOLT, M6X 20	2	2						
24	1	172A46-13150	RADIATOR ASSY	1	1						
25	2	172A46-13160	RADIATOR	1	1						
26	2	172A46-13200	COOLER, OIL	1	1						

Fig.9. DUCT



Remarks
(1)R=Ref.No.1-1 2mm, No.1-2 30mm.
(2)L=125mm

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

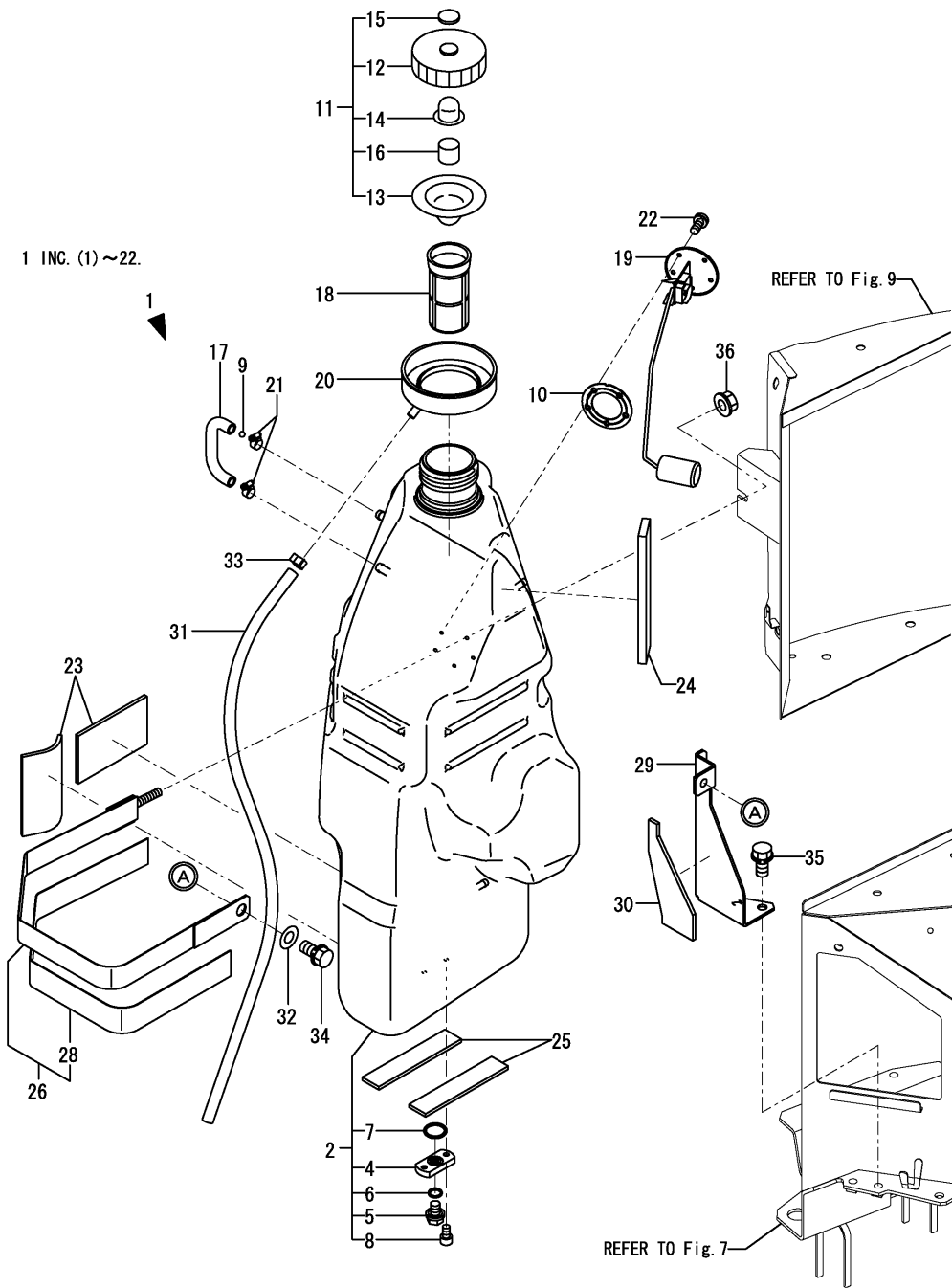
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-13000	DUCT ASSY	1	1						
1-1	1	172A46-13001	DUCT ASSY	1	1						N
		(A=FROM 1ST)	(B=FROM 1ST)								
1-2	1	172A46-13002	DUCT ASSY	1	1						S 1
		(A=MZZZZZ)	(B=MZZZZZ)								
1A	2	172A77-13710	SPONGE	1	1						W
		(A=FROM 1ST)	(B=FROM 1ST)								
1B	2	172A77-13720	SPONGE	1	1						W
		(A=FROM 1ST)	(B=FROM 1ST)								
3	2	172A46-13780	SEAL	1	1						
4	2	172A46-13800	RUBBER, SEAL	2	2						
4-1	2	172A46-13800	RUBBER, SEAL	1	1						K
		(A=MZZZZZ)	(B=MZZZZZ)								
4A	2	172446-13530	SEAL, RADIATOR	1	1						W 2
		(A=MZZZZZ)	(B=MZZZZZ)								
5	2	172A46-13810	RUBBER, SEAL	1	1						
5-1	2	172455-13620	RUBBER, SEAL	1	1						S
		(A=MZZZZZ)	(B=MZZZZZ)								
6	1	172A47-13780	HOOK	1	1						
7	1	172446-49280	SEAL	2	2						
8	1	22137-080000	WASHER, 8	1	1						
9	1	22372-080000	PIN, SNAP 8	1	1						
10	1	26013-100202	BOLT, M10X 20	2	2						

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.10. FUEL TANK

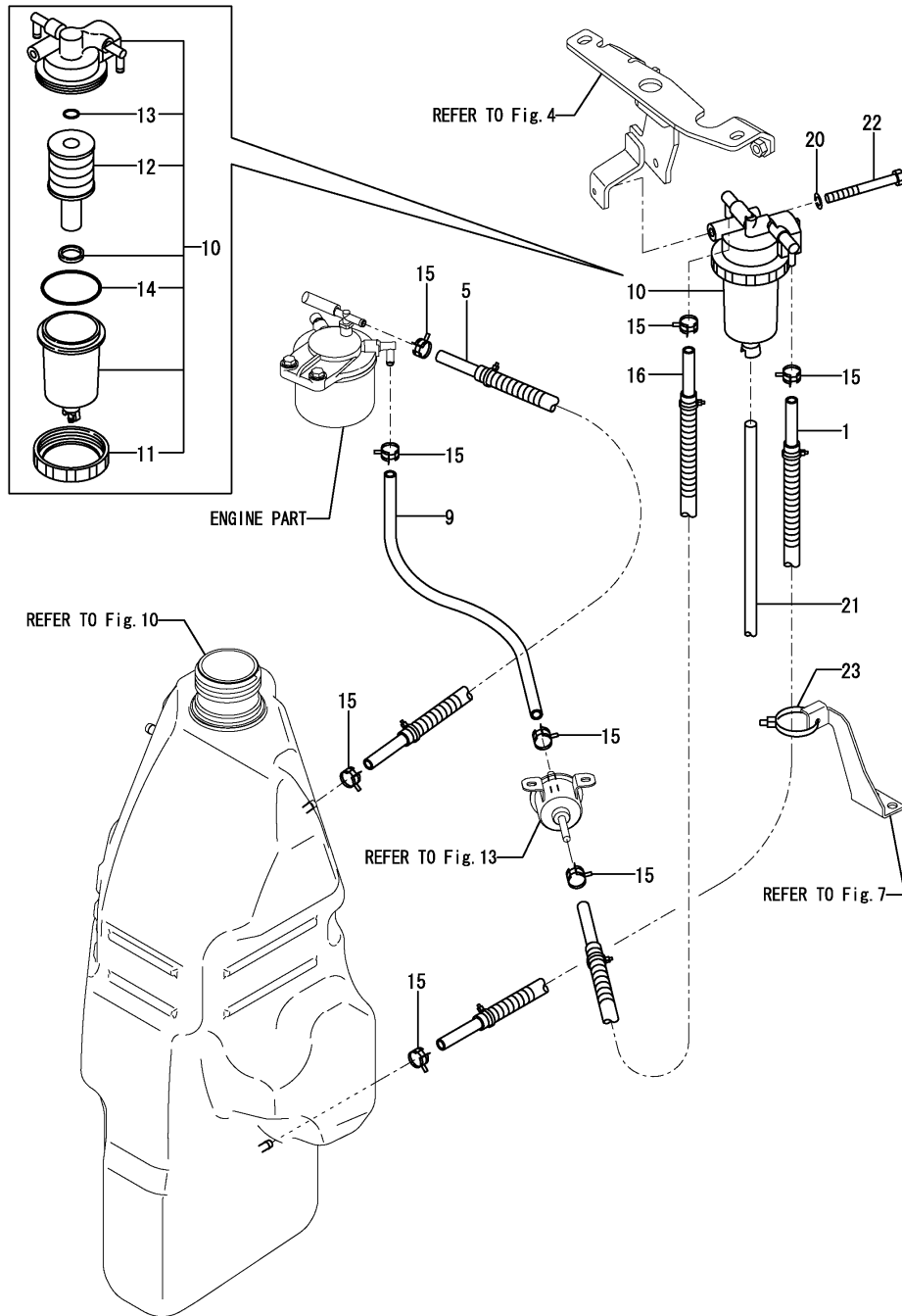
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A46-14100	TANK ASSY, FUEL	1	1						
2	2	172A46-14110	TANK ASSY, FUEL	1	1						
4	3	172447-14310	BLOCK, DRAIN	1	1						
5	3	23491-080002	PLUG, 8	1	1						
6	3	24311-000090	O-RING, 1AP9.0	1	1						
7	3	24311-000160	O-RING, 1AP16.0	1	1						
7-1	3	172A46-14550	PACKING	1	1						N
(A)=*2016.01.) (B)=*2016.01.)											
8	3	26450-060102	BOLT, M6X 10	2	2						
9	2	172447-14160	FLOAT	1	1						
10	2	172162-14200	GASKET	1	1						
11	2	172444-14200	CAP, FUEL	1	1						
12	3	172444-14450	CAP	1	1						
13	3	172444-14460	PACKING, RUBBER	1	1						
14	3	172444-14470	PACKING, RUBBER	1	1						
15	3	172444-14480	WASHER	1	1						
16	3	172444-14490	SPONGE	1	1						
17	2	172458-14203	HOSE, FUEL GAUGE	1	1						
18	2	172183-14250	FILTER, FUEL	1	1						
19	2	172A77-14220	GAUGE, FUEL	1	1						
20	2	172458-14370	SUMP, FUEL	1	1						
21	2	23000-013000	CLAMP, 13	2	2						
22	2	26022-050122	SCREW, M5X12	5	5						
23	1	172444-14130	PLATE, RUBBER	2	2						
24	1	172A46-14250	PLATE, RUBBER	1	1						
25	1	172458-14380	PLATE, RUBBER	2	2						
26	1	172A46-14150	CLAMP ASSY, FUEL	1	1						
28	2	172A46-14180	RUBBER, CLAMP	1	1						
29	1	172A46-14190	STAY, CLAMP	1	1						
30	1	172A46-14240	PLATE, RUBBER	1	1						
31	1	172A47-14520	HOSE	1	1						
32	1	22137-100000	WASHER, 10	1	1						
33	1	23080-013000	CLAMP, 13	1	1						
34	1	26013-100202	BOLT, SPRING M10X 20	1	1						
35	1	26013-100202	BOLT, SPRING M10X 20	2	2						
36	1	26367-100002	NUT, M10	2	2						

Fig.11. FUEL LINE

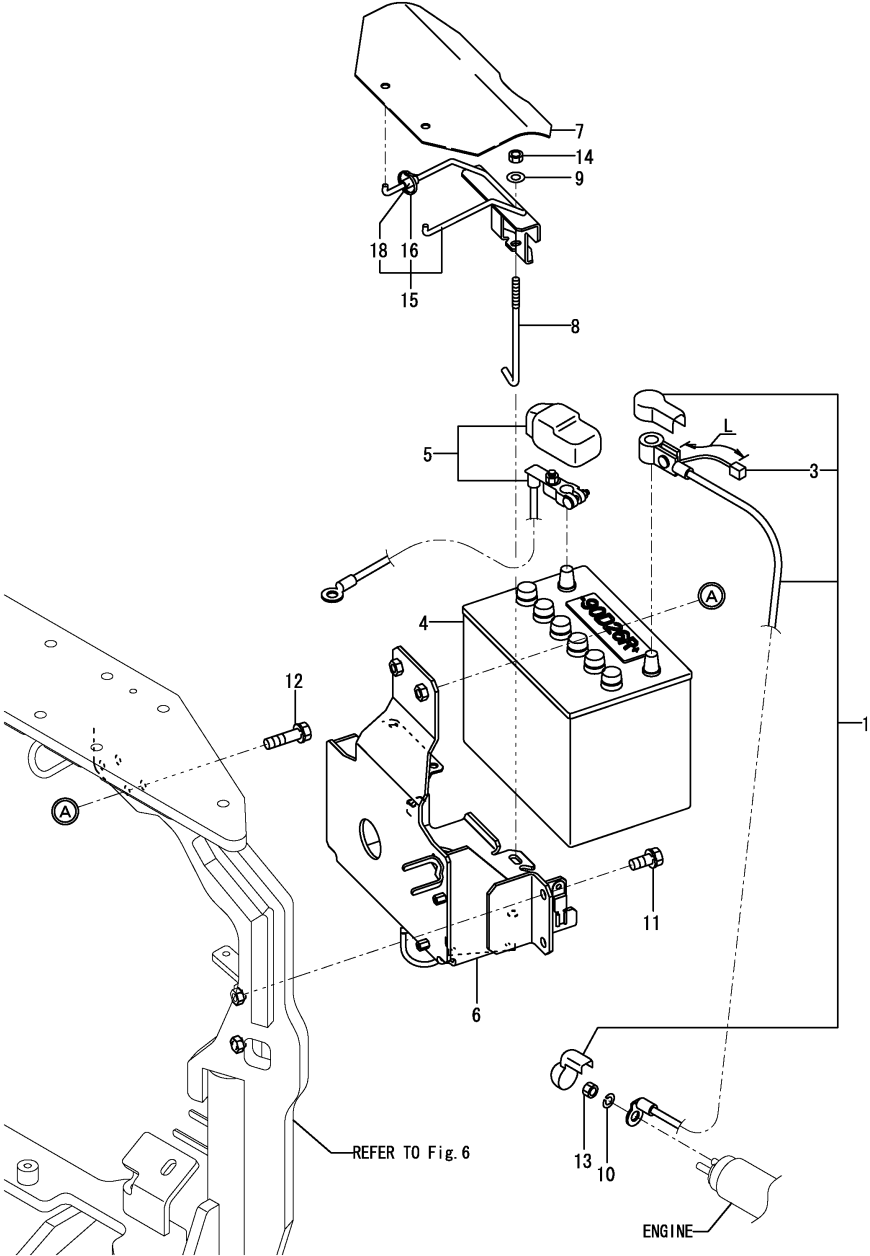


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	172A46-14230	HOSE, FUEL	1	1					
1-1	1	172A46-14231	HOSE	1	1					S
		(A=M/#XXXXX)	(B=M/#XXXXX)							
5	1	172A46-14600	HOSE ASSY, FUEL	1	1					
5-1	1	172A46-14601	HOSE ASSY, FUEL	1	1					N
		(A=M/#XXXXXX)	(B=M/#XXXXXX)							
9	1	172137-14610	PIPE, FUEL	1	1					
10	1	184016-55700	SEPARATOR ASSY,WATER	1	1					
10-1	1	184016-55701	SEPARATOR ASSY	1	1					N
		(A=M54067)	(B=M54067)							
11	2	129100-55690	RING, RETAINING	1	1					
12	2	119802-55710	ELEMENT	1	1					
13	2	24311-000160	O-RING, 1AP16.0	1	1					
14	2	24321-000650	O-RING, 1AG65.0	1	1					
15	1	124766-59050	CLIP, HOSE 12	8	8					
16	1	172A46-14650	HOSE ASSY, FUEL	1	1					
20	1	22217-080000	WASHER, SPRING 8	1	1					
21	1	23061-050300	PIPE, 5X 300	1	1					
22	1	26116-080702	BOLT, M8X 70 PLATED	1	1					
23	1	194680-51630	CLIP	1	1					W
		(A=M/#XXXXXX)	(B=M/#XXXXXX)							

Fig.12. BATTERY



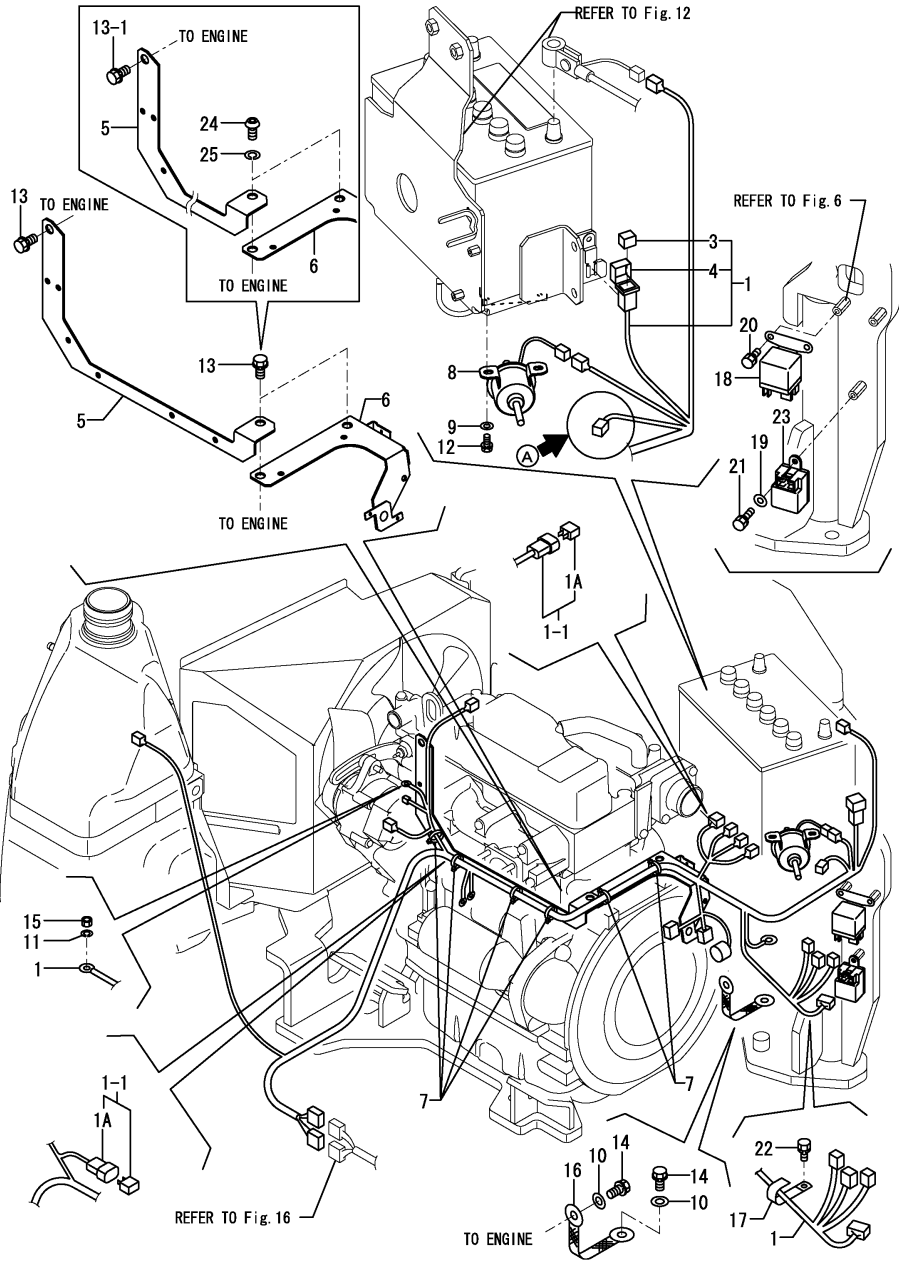
Remarks
(1)L=REF.NO.3 140MM, NO.3-1 330MM.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-16100	CORD ASSY, BATTERY	1	1						
1-1	1	172A46-16101	CORD ASSY, BATTERY	1	1					S	1
(A=M/#53522) (B=M/#53522)											
3	2	172458-16140	HARNESS, WIRE	1	1						
3-1	2	172A85-16140	HARNESS, WIRE	1	1					S	1
(A=M/#53522) (B=M/#53522)											
4	1	172653-16100	BATTERY	1	1						
5	1	172A46-16110	CORD ASSY, BATTERY	1	1						
5-1	1	172A46-16111	CORD, BATTERY	1	1					N	
(A=M/#53522) (B=M/#53522)											
6	1	172A46-16260	MOUNT ASSY, BATTERY	1	1						
6-1	1	172A46-16261	MOUNT ASSY, BATTERY	1	1					N	
(A=M/#53522) (B=M/#53522)											
7	1	172A47-16150	COVER, BATTERY	1	1						
8	1	172A46-16340	ROD, BATTERY CLAMP	1	1						
9	1	22137-080000	WASHER, 8	1	1						
10	1	22217-080000	WASHER, SPRING 8	1	1						
11	1	26013-100202	BOLT, M10X 20	2	2						
12	1	26013-100352	BOLT, M10X 35	2	2						
13	1	26716-080002	NUT, M8	1	1						
14	1	26716-080002	NUT, M8	2	2						
15	1	172A46-16250	CLAMP ASSY, BATTERY	1	1						
16	2	172126-11510	BAND	1	1						
18	2	172A46-16360	HOSE, CLAMP	1	1						

Fig.13. ELECTRIC PART(AROUND ENGINE)



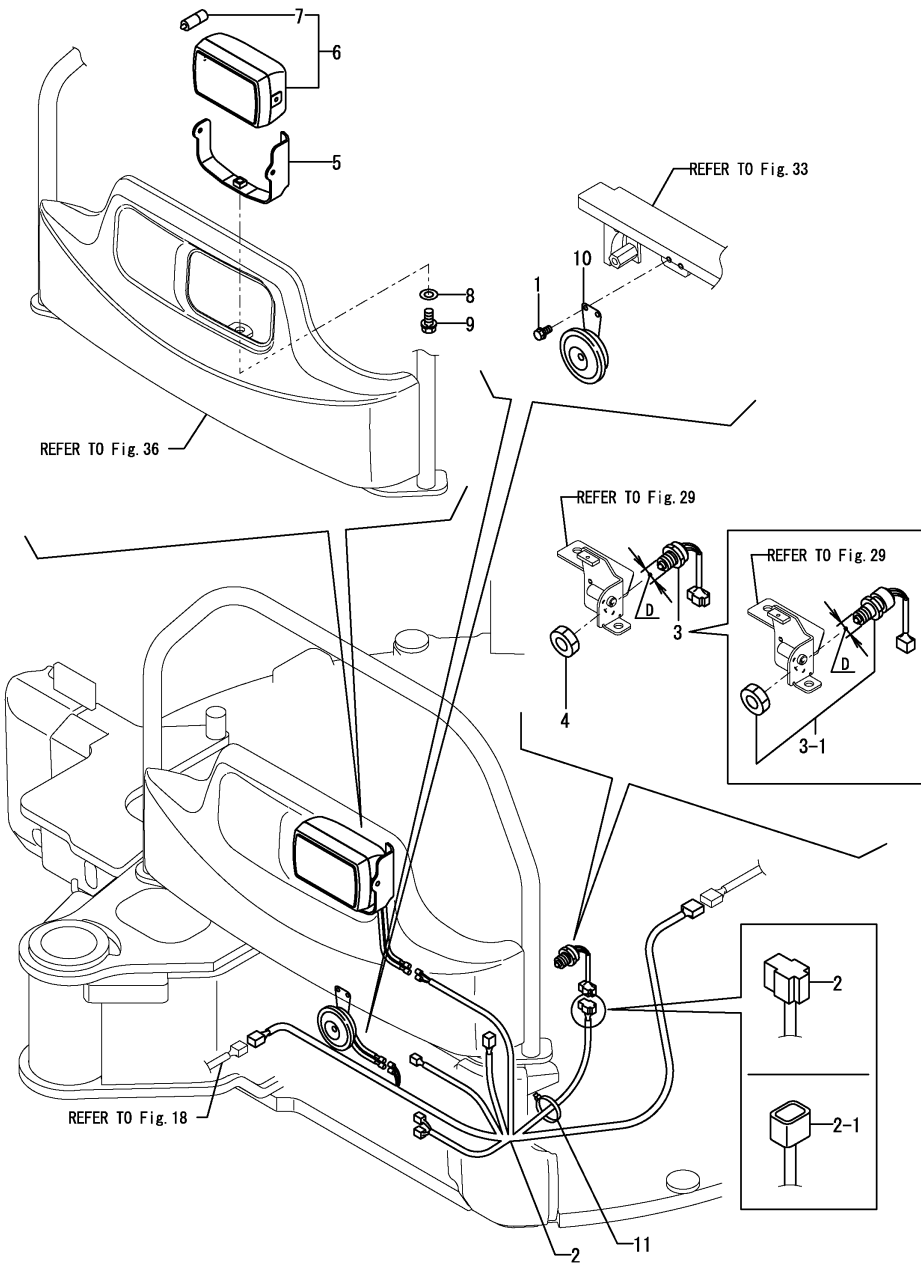
Remarks
(1)A=REF.NO.1 NORMAL TYPE,
NO.1-1 WATERPROOF TYPE.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A77-16500	HARNESS ASSY,A	1	1						
1-1	1	172A77-16501	HARNESS ASSY, WIRE	1	1					S	1
(A=M/#53522) (B=M/#53522)											
1A	2	1A7130-51130	DIODE, 1.5A	2	2						W
(A=MZZZZZ) (B=MZZZZZ)											
3	2	172458-16550	FUSE, SLOWBLOW	1	1						
4	2	172447-17140	HOUSING	1	1						
5	1	172496-16600	SUPPORT, HARNESS	1	1						
6	1	172490-16741	SUPPORT ASSY	1	1						
7	1	194680-51670	BAND, CLIP	7	7						
8	1	129612-52100	PUMP ASSY, FUEL FEED	1	1						
9	1	22137-060000	WASHER, 6	2	2						
10	1	22137-100000	WASHER, 10	2	2						
11	1	22217-060000	WASHER, SPRING 6	1	1						
12	1	26013-060162	BOLT, M6X 16	2	2						
13	1	26013-100162	BOLT, M10X 16	3	3						
13-1	1	26013-100162	BOLT, M10X 16	1	1						K
(A=MZZZZZ) (B=MZZZZZ)											
14	1	26013-100202	BOLT, M10X 20	2	2						
15	1	26716-060002	NUT, M6	1	1						
16	1	933171-15801	CORD, ENGINE EARTH	1	1						
17	1	194440-51620	CLAMP	1	1						
18	1	119650-77910	RELAY ASSY, GLOW	1	1						
19	1	22137-060000	WASHER, 6	1	1						
20	1	26013-060122	BOLT, M6X 12	2	2						
21	1	26013-060162	BOLT, M6X 16	1	1						
22	1	26013-080122	BOLT, M8X 12	1	1						
23	1	124970-77920	TIMER	1	1						
24	1	172455-61720	BOLT	2	2						W
(A=MZZZZZ) (B=MZZZZZ)											
25	1	22217-100000	WASHER, SPRING 10	2	2						W
(A=MZZZZZ) (B=MZZZZZ)											

Fig.14. ELECTRIC PART(AROUND FRAME)



Remarks
(1)D=Ref.No.3 M18 screw,
No.3-1 M20 screw.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26013-060122	BOLT, M6X 12	2	2						
2	1	172A46-16540	HARNESS ASSY, WIRE	1	1						
2-1	1	172A46-16541	HARNESS, WIRE	1	1						S
3	1	(A=M54165) 194464-52190	(B=M54165) SWITCH, SAFETY START	1	1						1
3-1	1	1D4103-18300	SWITCH, PUSH	1	1					S	1
4	1	(A=M54165) 26776-180002	(B=M54165) NUT, LOCK M18	1	1						Z
5	1	172A47-16790	STAY	1	1						
6	1	172A47-17270	LIGHT ASSY	1	1						
7	2	172A47-17280	BULB	1	1						
8	1	22137-100000	WASHER, 10	1	1						
9	1	26013-100252	BOLT, M10X 25	1	1						
10	1	194151-57100	HORN	1	1						
11	1	194202-56460	BAND, 200	1	1						W

Fig.15. ELECTRIC PART(STARTING SWITCH)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-17100	SWITCH ASSY, STARTER	1	1						
1-1	1	172187-17101	SWITCH ASSY, STARTER	1	1						N
		(A=M55109) (B=M55109)									
1A	2	172A47-17210	CYLINDER ASSY, KEY	1	1						W
		(A=M53783) (B=M53783)									
1A-1	2	172A47-17211	CYLINDER ASSY, KEY	1	1						N
		(A=M55109) (B=M55109)									
2	3	172187-17070	CORD ASSY	1	1						
3	3	172187-17080	COVER	3	3						
4	3	172187-17090	COVER	2	2						
6	2	933110-00301	KEY ASSY	1	1						

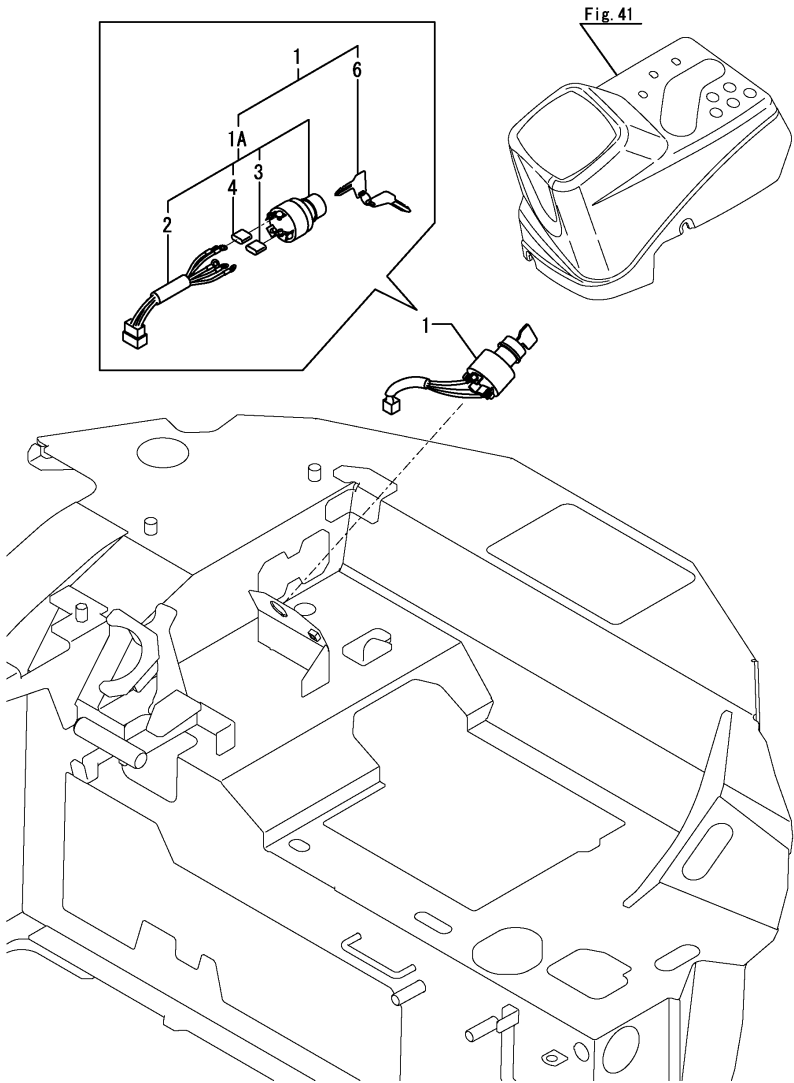


Fig.16. ELECTRIC PART(AROUND SEAT)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	1	1						
2	1	172A77-16520	HARNESS ASSY, WIRE	1	1						
2-1	1	172A77-16540	HARNESS ASSY, WIRE	1	1						N
(A=M54212) (B=M54212)											
7	2	29420-050000	FUSE, B 5A	2	2						
8	2	29420-150000	FUSE, B 15A	6	6						
9	2	29420-300000	FUSE, B 30A	2	2						
10	1	172A64-17250	SOCKET ASSY	1	1						
11	1	194680-51670	BAND, CLIP	2	2						
12	1	119247-77100	RELAY, SAFETY	2	2						
13	1	119802-77200	RELAY, SAFETY	1	1						
14	1	119650-77910	RELAY ASSY, GLOW	1	1						
15	1	129211-77920	TIMER	1	1						
16	1	22137-060000	WASHER, 6	6	6						
17	1	26013-060122	BOLT, M6X 12	2	2						
18	1	26013-060122	BOLT, M6X 12	2	2						
19	1	26013-060162	BOLT, M6X 16	1	1						
20	1	26013-060202	BOLT, M6X 20	1	1						
21	1	26013-060202	BOLT, M6X 20	2	2						
22	1	194202-56460	BAND, 200	1	1						W
(A=M54212) (B=M54212)											

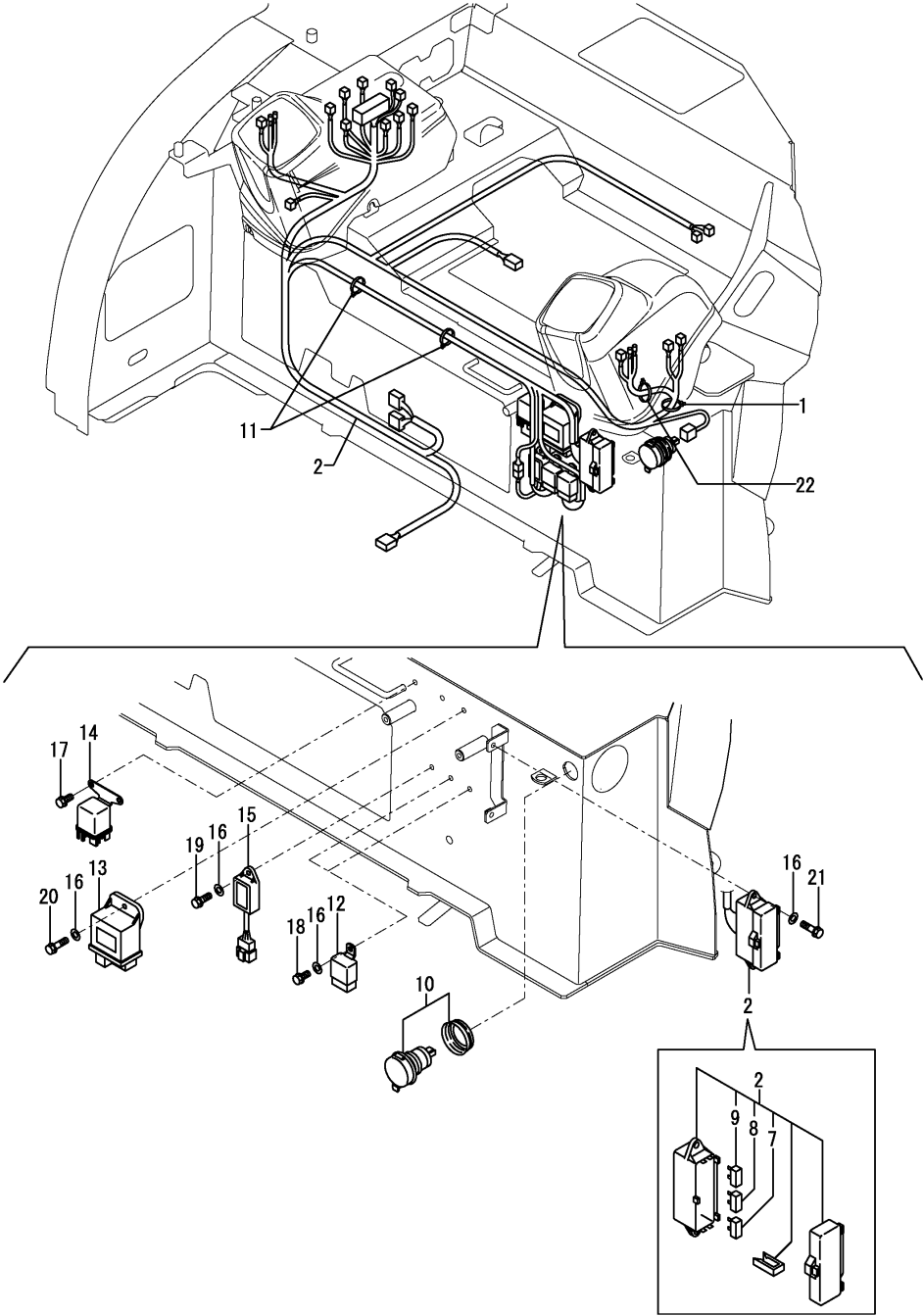
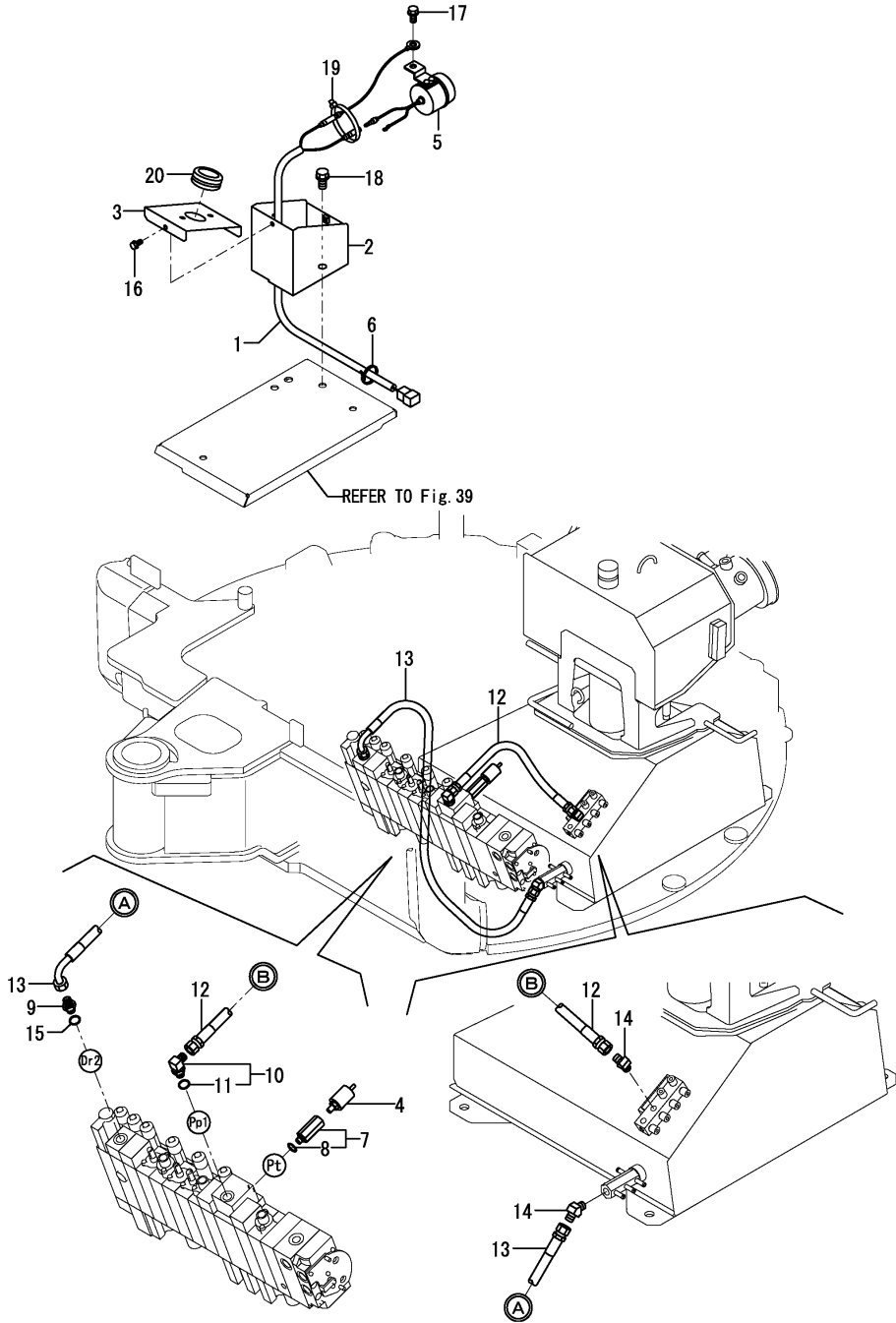


Fig.17. ELECTRIC PART(TRAVEL ALARM)

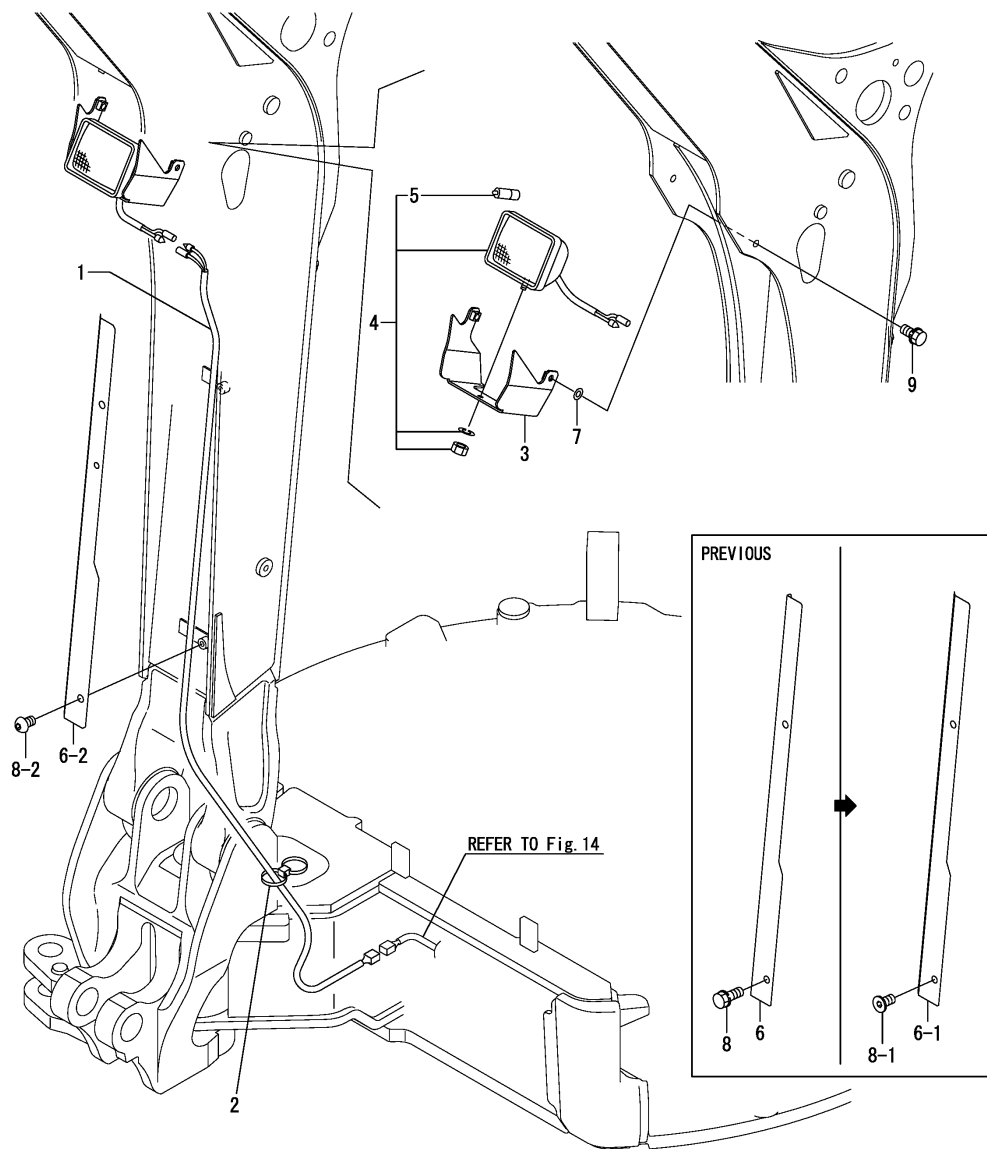
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-16651	HARNESS, TRAVEL	1	1						
2	1	172A47-16810	COVER ASSY, BUZZER	1	1						
3	1	172A47-16860	COVER, FLASHER	1	1						
4	1	172478-17200	SWITCH, PRESSURE	1	1						
5	1	172511-17351	BUZZER, BACK	1	1						
6	1	194202-56460	BAND, 200	3	3						
7	1	172A47-76110	CONNECTOR, G1/8XR1/8	1	1						
8	2	24315-000080	O-RING, 1BP8.0	1	1						
9	1	172123-76121	ADAPTER	1	1						
10	1	172141-76181	CONNECTOR ASSY, 02FF	1	1						
11	2	41851-000110	O-RING	1	1						
12	1	172A46-79100	HOSE	1	1						
13	1	172A46-79110	HOSE	1	1						
14	1	23394-020000	JOINT, 45RGI-1/4	2	2						
15	1	24315-000110	O-RING, 1BP11.0	1	1						
16	1	26013-060122	BOLT, M6X 12	2	2						
17	1	26013-080122	BOLT, M8X 12	1	1						
18	1	26013-100162	BOLT, M10X 16	2	2						
19	1	933168-55770	BAND	1	1						
20	1	172456-53700	GROMMET	1	1						

Fig.18. ELECTRIC PART(WORK LAMP)

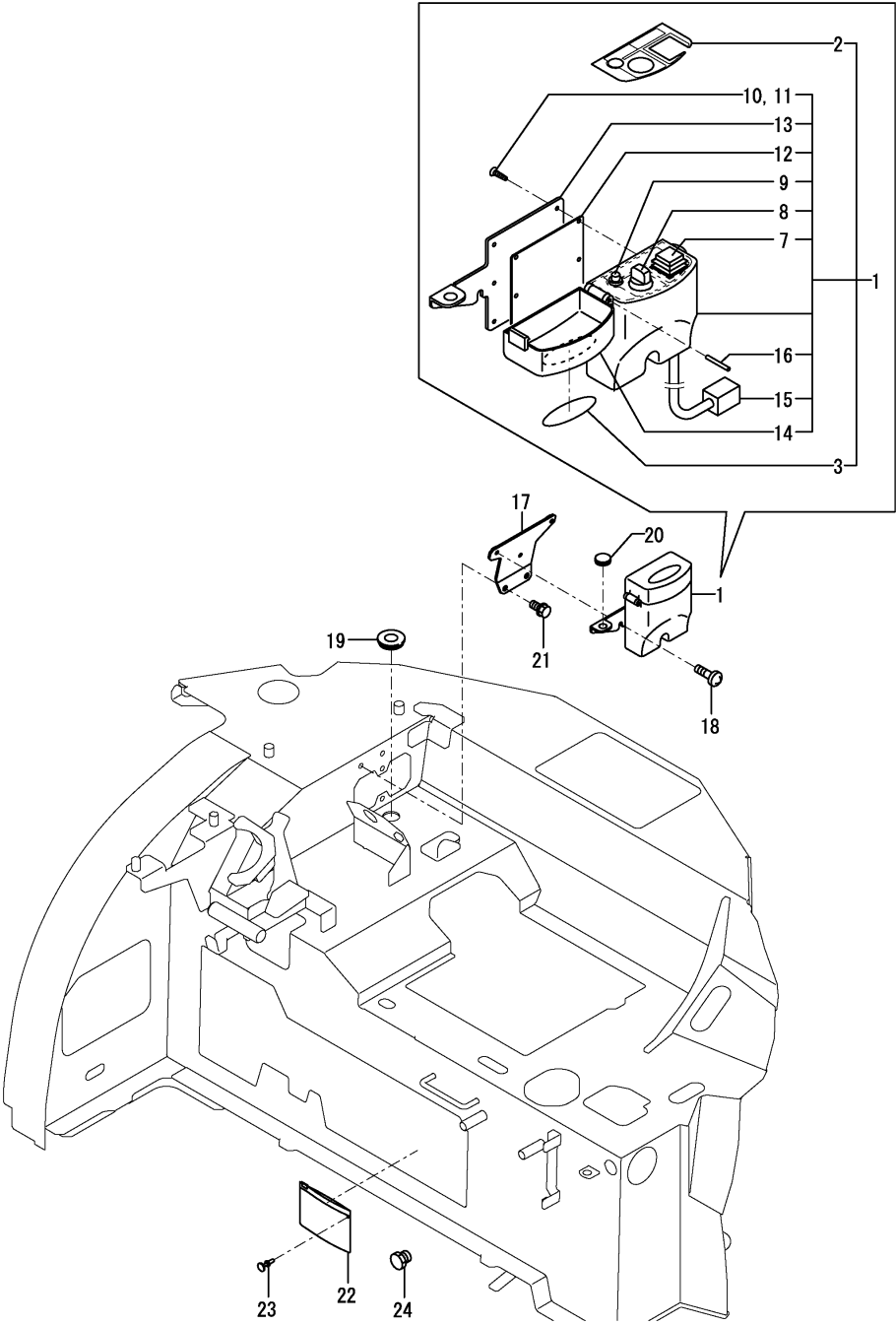


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-16550	HARNESS, LAMP	1	1						
2	1	172137-16560	BAND	1	1						
3	1	172A46-17400-2	COVER, LAMP	1	1						
3-1	1	172A46-17400-Y (A=M55001) (B=M55001)	COVER, LAMP	1	1						S
4	1	172458-17450	LAMP, WORK	1	1						
5	2	172187-17540	BULB	1	1						
6	1	172A85-17460-1	COVER, HARNESS	1	1						
6-1	1	172A85-17461-1 (A=FROM 1ST) (B=FROM 1ST)	COVER, HARNESS	1	1						N
6-2	1	172A85-17462-2 (A=M/#53316) (B=M/#53318)	COVER, HARNESS	1	1						N
6-3	1	172A85-17462-Y (A=M55001) (B=M55001)	COVER, HARNESS	1	1						S
7	1	22137-100000	WASHER, 10 (A=FROM 1ST) (B=FROM 1ST)	2	2						Z
8	1	26013-100162	BOLT, M10X 16	2	2						
8-1	1	172A85-17470	LOW HEAD SCREW 10X10	2	2						N
8-2	1	172958-83320 (A=M/#53316) (B=M/#53318)	BOLT	2	2						S
9	1	26013-100252	BOLT, M10X 25	2	2						

Fig.19. ELECTRIC PART(QUICK COUPLER : SWITCH BOX)

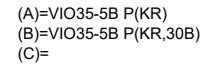


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-17110	BOX, SWITCH	1	1						
2	2	172472-03290	LABEL, SWITCH	1	1						
3	2	172472-03300	LABEL, COVER	1	1						
7	3	172958-17140	SWITCH ASSY	1	1						
8	3	172958-17150	SWITCH ASSY	1	1						
9	3	172958-17160	LAMP, INDICATOR	1	1						
10	3	172958-17170	SCREW, TAPPING	6	6						
11	3	172958-17180	SCREW, TAPPING	2	2						
12	3	172958-17190	PACKING	1	1						
13	3	172958-17200	BRACKET	1	1						
14	3	172958-17210	CASE	1	1						
15	3	172958-17220	CORD	1	1						
16	3	22351-030028	PIN, SPRING 3.0X28	1	1						
17	1	172A47-17900	STAY ASSY	1	1						
18	1	172137-46210	SCREW	3	3						
19	1	172958-64500	PLUG	1	1						
20	1	172187-64900	PLUG	1	1						
21	1	26013-080162	BOLT, M8X 16	2	2						
22	1	172958-05100	CASE, PLUG	1	1						
23	1	172958-05110	RIVET	1	1						
24	1	1E3030-78370	CAP, SCREW	4	4						

Fig.20. SPROCKET & ROLLER



(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172141-29111	SPROCKET	2	2						
2	1	26013-120352	BOLT, SPRING M12X 35	18	18						
2-1	1	172B03-36350	BOLT, 10.9 M12X35	18	18					S	3
3	(A=MBF482) 1	(B=MBF482) 172441-37301-2	ROLLER, TRUCK	8	8						
3-1	1	172441-37302	ROLLER ASSY,TRACK	8	8					N	
3-2	(A=M55109) 1	(B=M55109) 172441-37302	ROLLER ASSY,TRACK	8	8					Z	2
5	(A=MBF482) 2	(B=MBF482) 172422-37310	SHAFT, ROLLER	8	8						
6	2	172141-37320	SPACER	16	16						
7	2	1A1030-48250	SEAL,OIL QLF30621218	16	16						
8	2	22252-000620	RING, 62	16	16						
9	2	22252-000750	RING, 75	16	16						
10	2	933111-73800	BEARING, BALL	16	16						
11	1	172490-37320	BOLT	16	16						
12	1	22217-160000	WASHER, SPRING 16	16	16						
13	1	172458-37500-2	ROLLER ASSY, CARRIER	2	2						
15	2	172458-37570	SHAFT	2	2						
16	2	172458-37580	SEAL, OIL	2	2						
17	2	172458-37590	COLLAR	2	2						
18	2	194630-42120	PLUG, PT1/8	2	2						
19	2	22242-000250	RING, 25	2	2						
20	2	22252-000521	RING, 52	2	2						
21	2	24101-062054	BEARING, BALL 6205	2	2						
22	2	24102-062054	BEARING, BALL 6205U	2	2						
23	2	27260-520000	PLUG, 52	2	2						
24	1	22217-140000	WASHER, SPRING 14	2	2						
25	1	26116-140652	BOLT, M14X 65 PLATED	2	2						
26	1	26716-140002	NUT, M14	2	2						
27	1	772441-37300-2	ROLLER ASSY, TRUCK	8	8					W	1
27-1	(A=M53001) 1	(B=M53001) 772441-37300-2	ROLLER ASSY, TRUCK	8	8					Z	
28	(A=MBF482) 1	(B=MBF482) 22217-120000	WASHER, SPRING 12	18	18					W	

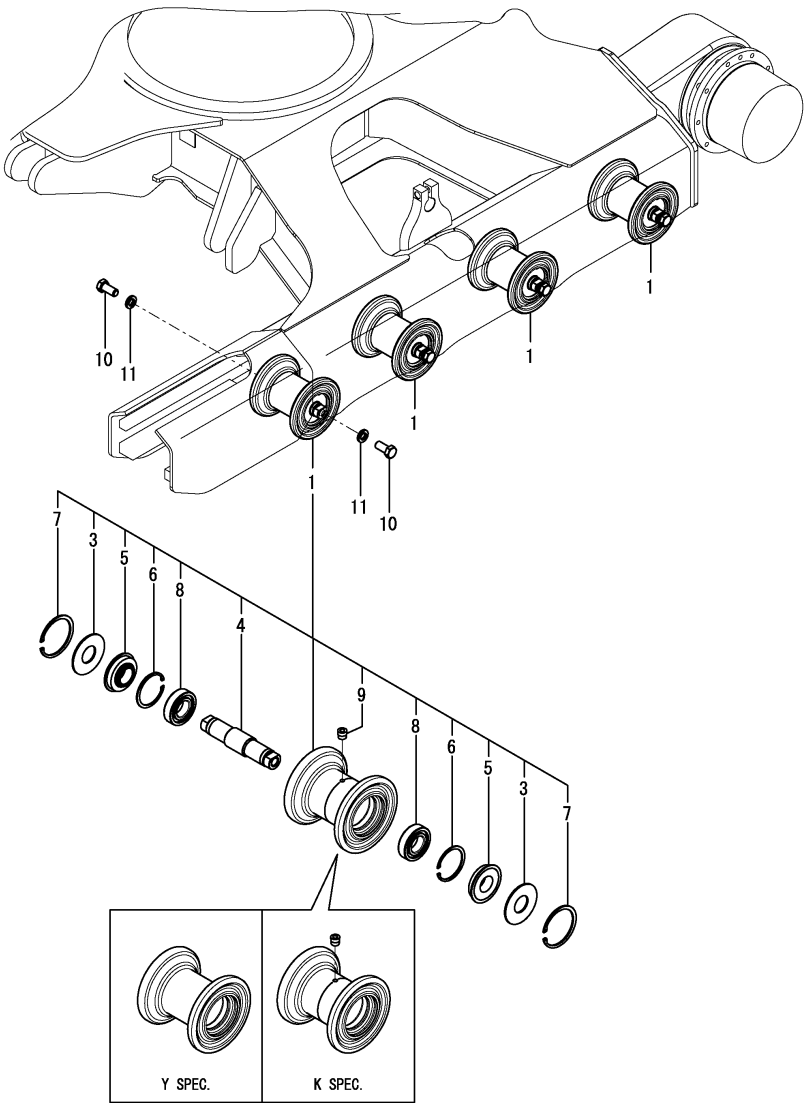
(1)INC.REF.NO.3,11,12.
(2)Y specification. replacement with Fig.97(20A) No.1.
The inner parts are not compatible.
(3)Interchangeable by simultaneous replacement with No.28.

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.97. (20A)TRACK ROLLER(K SPEC.)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



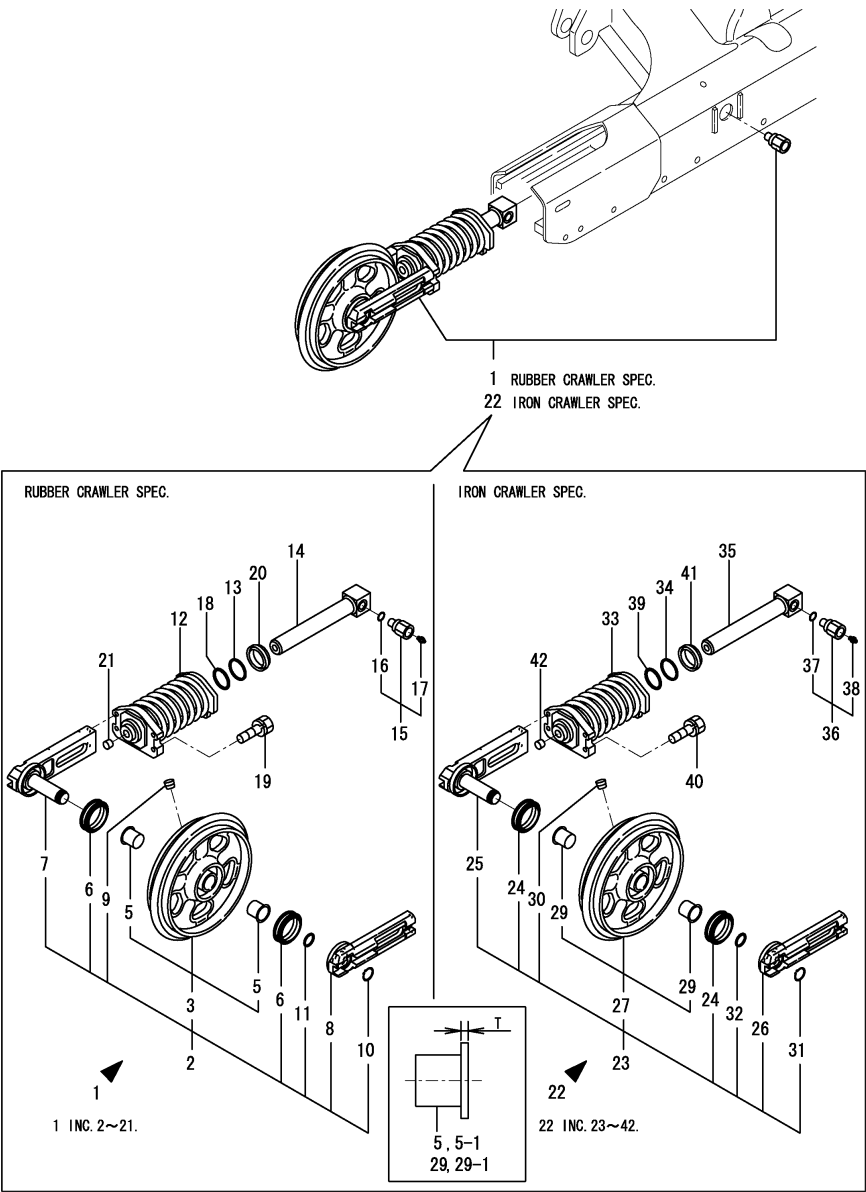
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B03-37300 (A=*2014.05.)	ROLLER ASSY,LOWER (B=*2014.05.)	8	8						W
3	2	172141-37320	SPACER	16	16						
4	2	172B03-37320	SHAFT	8	8						
5	2	1A1030-48250	SEAL,OIL QLF30621218	16	16						
6	2	22252-000620	RING, 62	16	16						
7	2	22252-000750	RING, 75	16	16						
8	2	24101-062064	BEARING, BALL 6206	16	16						
9	2	933171-13691	PLUG	8	8						
10	1	172490-37320	BOLT	16	16						
11	1	22217-160000	WASHER, SPRING 16	16	16						

Remarks
*Track roller(Y spec.) are shown in Fig.20.
The inner parts are not compatible.

Fig.21. IDLER & ADJUST

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772458-37200-2	IDLER ASSY, RUBBER	2	2						1
2	2	772458-37100-2	IDLER ASSY	2	2						
3	3	172458-37101-2	IDLER ASSY	2	2						
3-1	3	172458-37102-1 (A=M54134) (B=M54134)	IDLER ASSY	2	2					N	
5	4	172423-37370	BUSH	4	4						
5-1	4	172A77-37370 (A=M54134) (B=M54134)	BUSH	4	4					S	3
6	3	172458-37120	SEAL, FLOATING	4	4						
7	3	172458-37130	SHAFT ASSY, IDLER	2	2						
7-1	3	172458-37131 (A=M54134) (B=M54134)	SHAFT ASSY, IDLER	2	2					N	
8	3	172458-37150	COVER, SEAL	2	2						
8-1	3	172458-37151 (A=M54134) (B=M54134)	COVER, SEAL	2	2					N	
9	3	194630-42120	PLUG, PT1/8	2	2						
10	3	22242-000300	RING, 30	2	2						
11	3	24321-000300	O-RING, 1AG30.0	2	2						
12	2	172458-37700	SPRING ASSY, CRAWLER	2	2						
13	2	172460-37750	RING, BACK UP	2	2						
14	2	172422-37780	PISTON ASSY, ADJUST	2	2						
15	2	172122-37844	VALVE ASSY, NIPPLE	2	2						
16	3	24315-000140	O-RING, 1BP14.0	2	2						
17	3	24761-020000	NIPPLE, GREASE PT1/8	2	2						
18	2	24325-000400	O-RING, 1BG40.0	2	2						
19	2	26013-100402	BOLT, M10X 40	8	8						
20	2	933111-23600	SEAL, OIL	2	2						
21	2	933171-13691	PLUG	2	2						
22	1	772458-37120-2	IDLER ASSY, IRON	2	2						2
23	2	772458-37110-2	IDLER ASSY	2	2						
24	3	172458-37120	SEAL, FLOATING	4	4						
25	3	172458-37130	SHAFT ASSY, IDLER	2	2						
25-1	3	172458-37131 (A=M54150) (B=M54150)	SHAFT ASSY, IDLER	2	2					N	
26	3	172458-37150	COVER, SEAL	2	2						
26-1	3	172458-37151 (A=M54150) (B=M54150)	COVER, SEAL	2	2					N	
27	3	172458-37171-2	IDLER ASSY	2	2						
27-1	3	172458-37172-1 (A=M54150) (B=M54150)	IDLER ASSY	2	2					N	
29	4	172423-37370	BUSH	4	4						
29-1	4	172A77-37370 (A=M54150) (B=M54150)	BUSH	4	4					S	3
30	3	194630-42120	PLUG, PT1/8	2	2						
31	3	22242-000300	RING, 30	2	2						
32	3	24321-000300	O-RING, 1AG30.0	2	2						
33	2	172458-37700	SPRING ASSY, CRAWLER	2	2						
34	2	172460-37750	RING, BACK UP	2	2						
35	2	172422-37780	PISTON ASSY, ADJUST	2	2						
36	2	172122-37844	VALVE ASSY, NIPPLE	2	2						
37	3	24315-000140	O-RING, 1BP14.0	2	2						

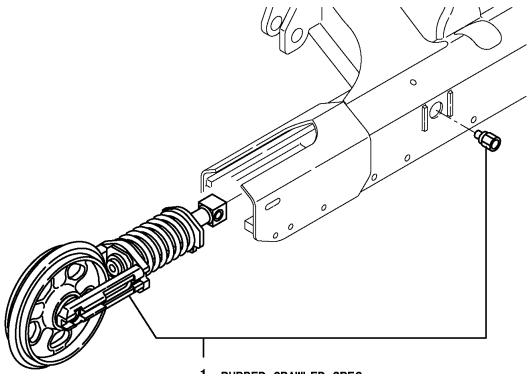
Remarks
(1)Rubber crawler spec.
(2)Iron crawler spec.
(3)T=Ref.No.5,29 2mm,
No.5-1,29-1 4.5mm.

Fig.21. IDLER & ADJUST

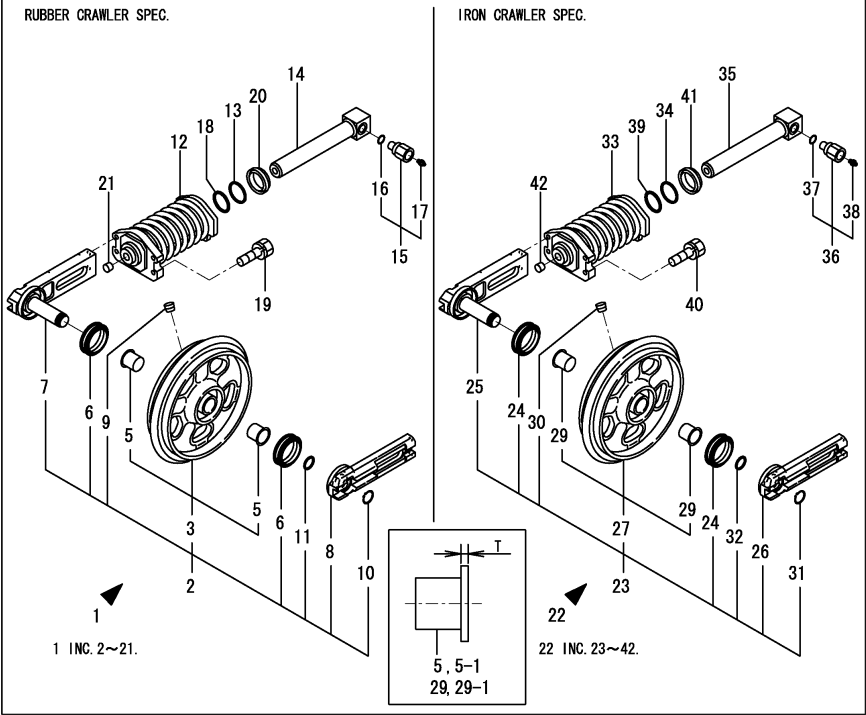
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38	3	24761-020000	NIPPLE, GREASE PT1/8	2	2						
39	2	24325-000400	O-RING, 1BG40.0	2	2						
40	2	26013-100402	BOLT, M10X 40	8	8						
41	2	933111-23600	SEAL, OIL	2	2						
42	2	933171-13691	PLUG	2	2						



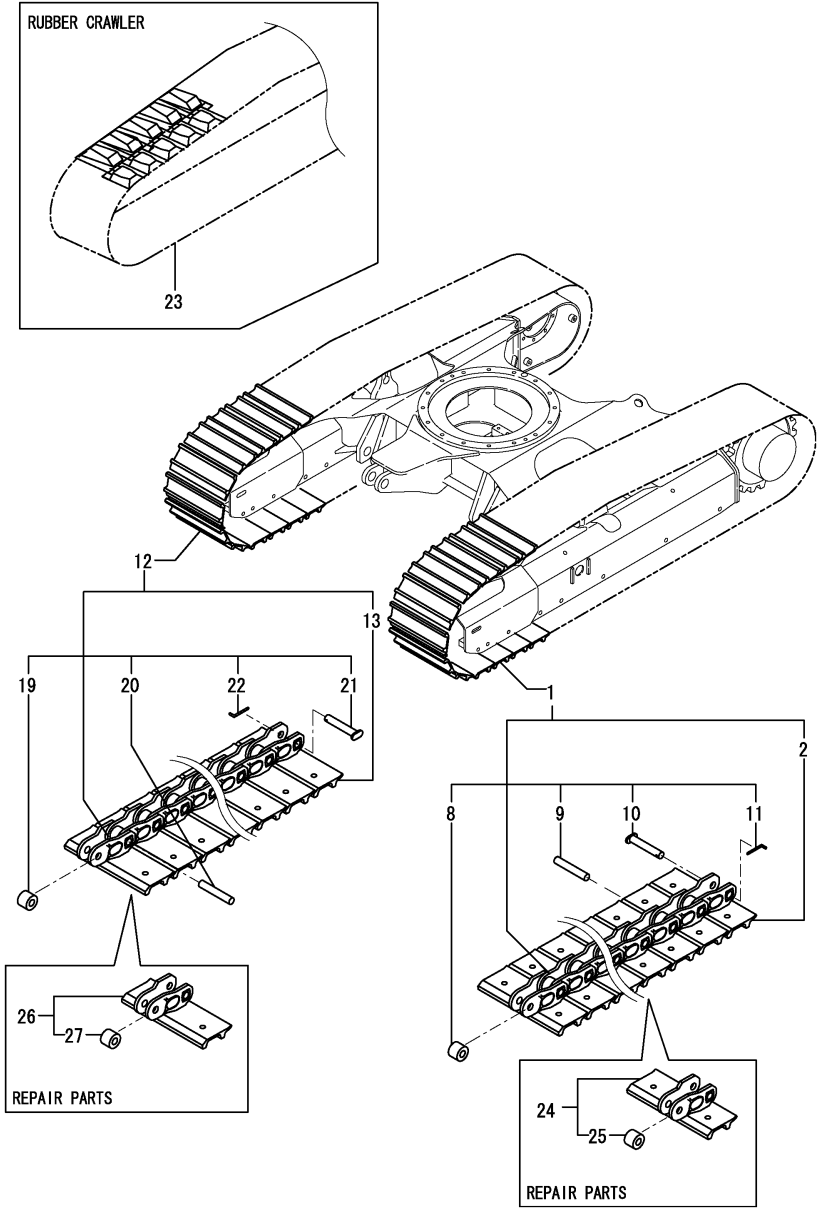
1 RUBBER CRAWLER SPEC.
22 IRON CRAWLER SPEC.



Remarks
(1)Rubber crawler spec.
(2)Iron crawler spec.
(3)T=Ref.No.5,29 2mm,
No.5-1,29-1 4.5mm.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

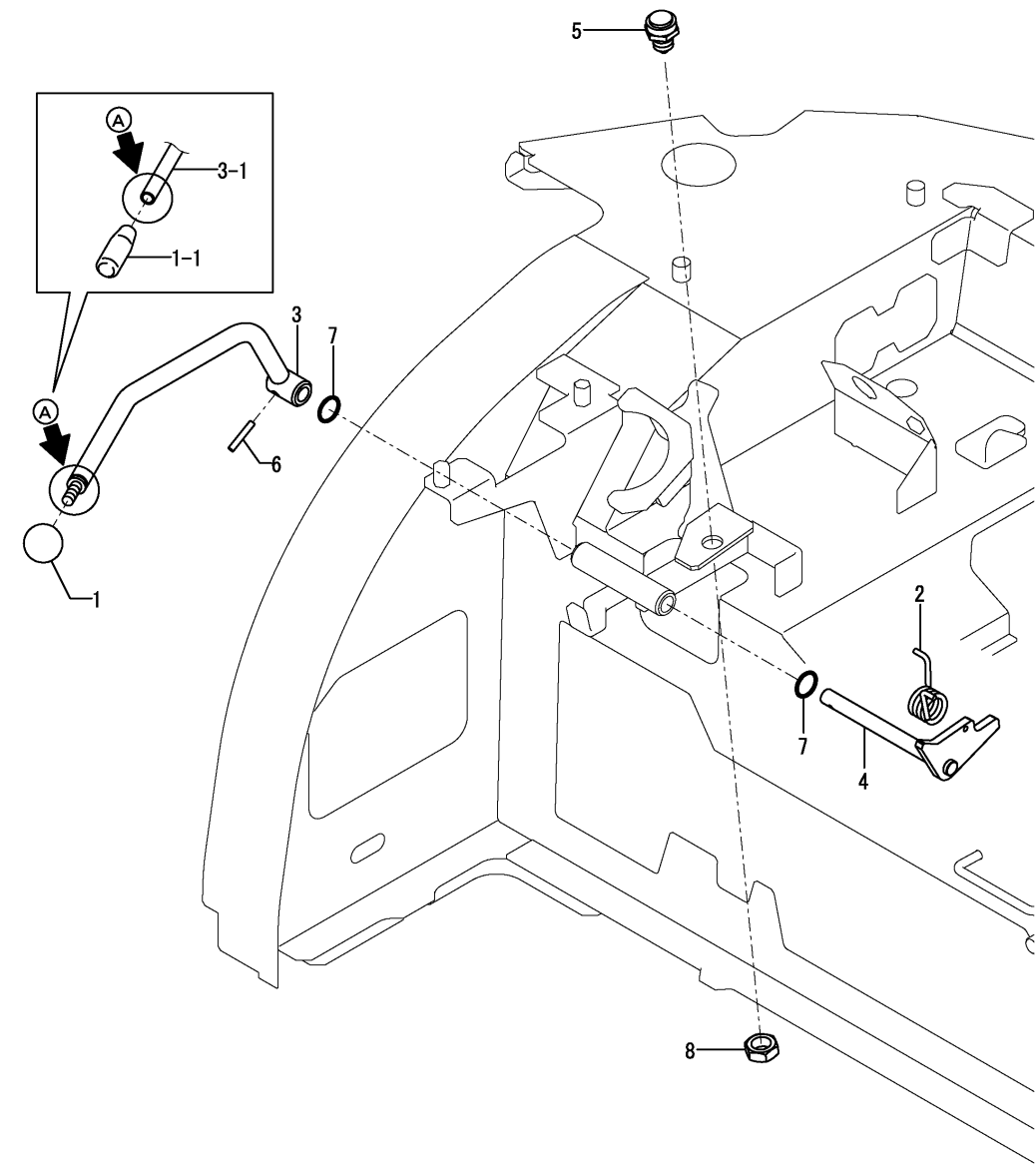
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-38101	SHOE ASSY, TRACK 300	1	1						1
2	2	172458-38110-2	PLATE, SHOE	43	43						
8	3	172458-38201	BUSH, TRUCK	43	43						
9	3	172458-38210	PIN, TRUCK	42	42						
10	3	172458-38220	PIN, MASTER	1	1						
11	3	172458-38230	PIN, STOP	1	1						
12	1	172458-38121	SHOE ASSY, TRACK 300	1	1						1
13	2	172458-38130-2	PLATE, SHOE	43	43						
19	3	172458-38201	BUSH, TRUCK	43	43						
20	3	172458-38210	PIN, TRUCK	42	42						
21	3	172458-38220	PIN, MASTER	1	1						
22	3	172458-38230	PIN, STOP	1	1						
23	1	172422-38603	CRAWLER, RUBBER 300	2	2						2
24	1	172458-38300-2	TRACK ASSY, MASTER	1	1						3
25	2	172458-38201	BUSH, TRUCK	1	1						
26	1	172458-38310-2	TRACK ASSY, MASTER	1	1						3
27	2	172458-38201	BUSH, TRUCK	1	1						

Remarks
(1)IRON CRAWLER SPEC.
(2)RUBBER CRAWLER SPEC.
(3)REPAIR PARTS.

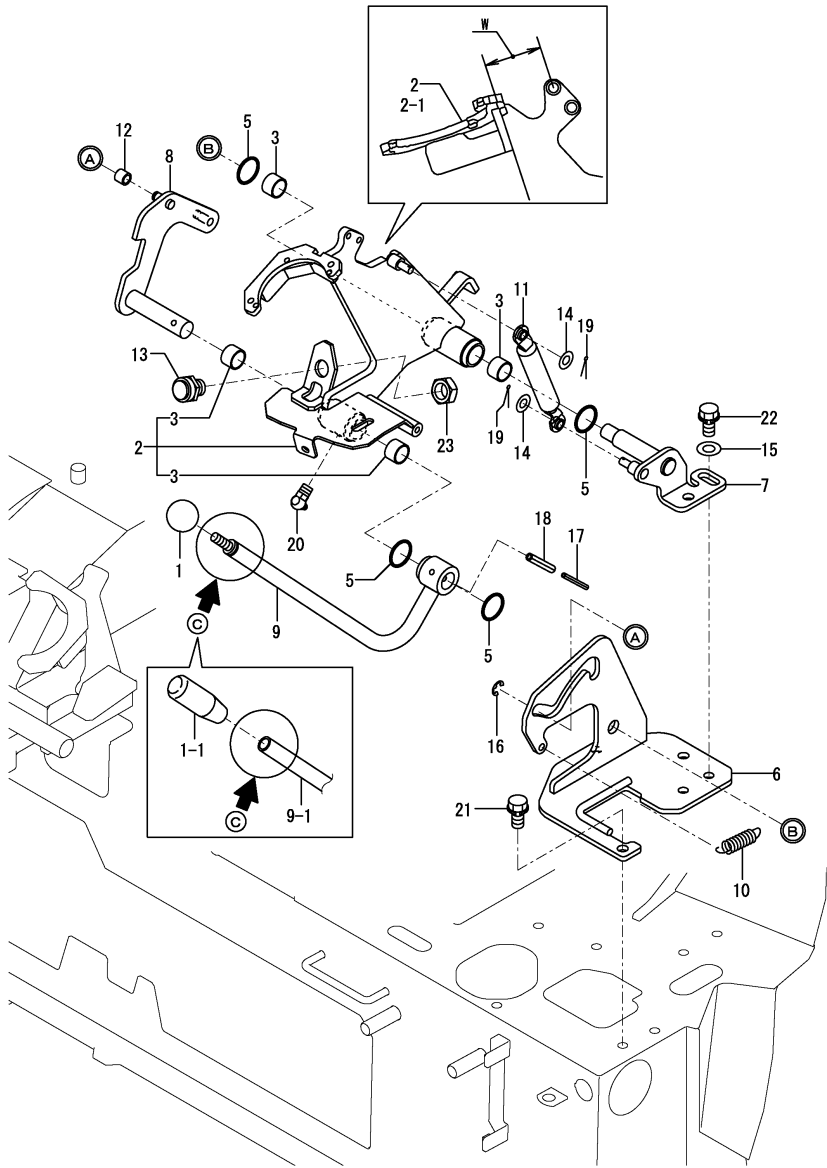
Fig.23. CONTROL EQUIPMENT(LOCK LEVER & STAND : RIGHT)



Remarks
(1)A=REF.NO.3 M10 SCREW,
NO.3-1 NO SCREW.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH RE.NO.1-1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP	1	1						
1-1	1	172A77-46050	GRIP	1	1						S
		(A=MZZZZZ)	(B=MZZZZZ)								
2	1	172165-45970	SPRING	1	1						
3	1	172A47-46451	LEVER ASSY, LOCK	1	1						
3-1	1	172A47-46452	LOCK LEVER ASSY,R(49	1	1					F	1
		(A=MZZZZZ)	(B=MZZZZZ)								
4	1	172A47-46470	SHAFT ASSY, LEVER	1	1						
4-1	1	172A47-46471	SHAFT ASSY, LEVER	1	1						N
		(A=M53520)	(B=M53520)								
5	1	194464-52190	SWITCH, SAFETY START	1	1						
6	1	22351-050032	PIN, SPRING 5.0X32	1	1						
7	1	24311-000210	O-RING, 1AP21.0	2	2						
8	1	26776-180002	NUT, LOCK M18	1	1						

Fig.24. CONTROL EQUIPMENT(LOCK LEVER & STAND : LEFT)



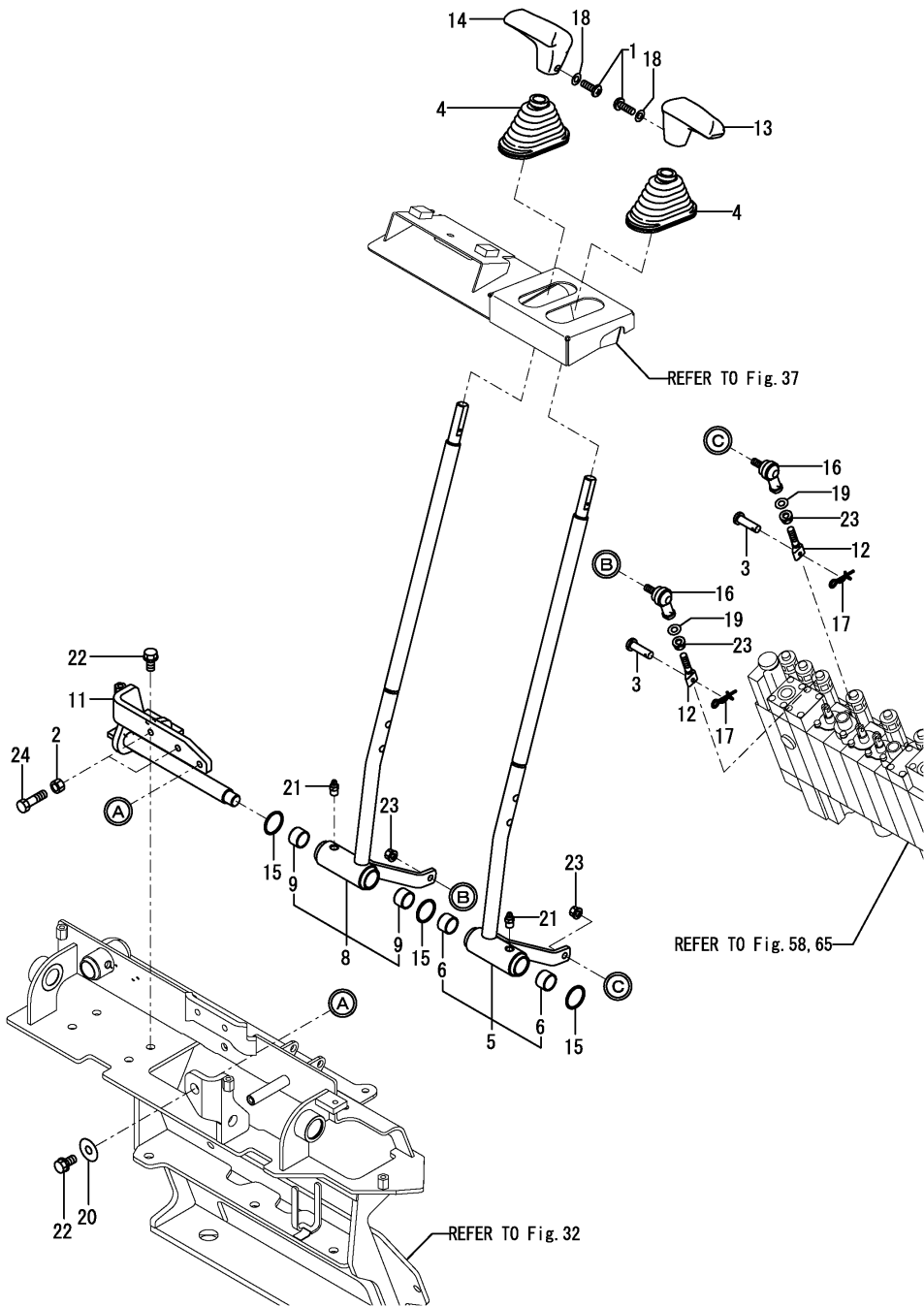
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP	1	1						
1-1	1	172A77-46050	GRIP	1	1						S
(A=MZZZZZ) (B=MZZZZZ)											
2	1	172A78-46100	STAND ASSY, LEVER	1	1						
2-1	1	172A78-46101	STAND ASSY, LEVER	1	1						S 2
(A=M53827) (B=M53827)											
3	2	172141-41370	BUSH	4	4						
5	1	172124-46200	O-RING	4	4						
6	1	172A47-46210	BASE ASSY, LEVER	1	1						
7	1	172A47-46230	PLATE ASSY, BASE	1	1						
8	1	172A47-46310	ROD ASSY, SPRING	1	1						
9	1	172A47-46343	LEVER ASSY, LOCK	1	1						
9-1	1	172A47-46344	LEVER ASSY, LOCK	1	1						F 1
(A=MZZZZZ) (B=MZZZZZ)											
10	1	172162-46690	SPRING	1	1						
10-1	1	172A69-46270	SPRING	1	1						N
(A=M53540) (B=M53540)											
11	1	172455-46890	SPRING, GAS	1	1						
12	1	172165-47550	BUSH	1	1						
13	1	194464-52190	SWITCH, SAFETY START	1	1						
14	1	22137-080000	WASHER, 8	2	2						
15	1	22137-100000	WASHER, 10	2	2						
16	1	22272-000070	RING, E- 7	1	1						
17	1	22351-035040	PIN, SPRING 3.5X40	1	1						
18	1	22351-060040	PIN, SPRING 6.0X40	1	1						
19	1	22417-200200	PIN, COTTER 2.0X20	2	2						
20	1	24761-050000	NIPPLE, GREASE C	1	1						
21	1	26013-100202	BOLT, M10X 20	3	3						
22	1	26013-100252	BOLT, M10X 25	2	2						
23	1	26776-180002	NUT, LOCK M18	1	1						

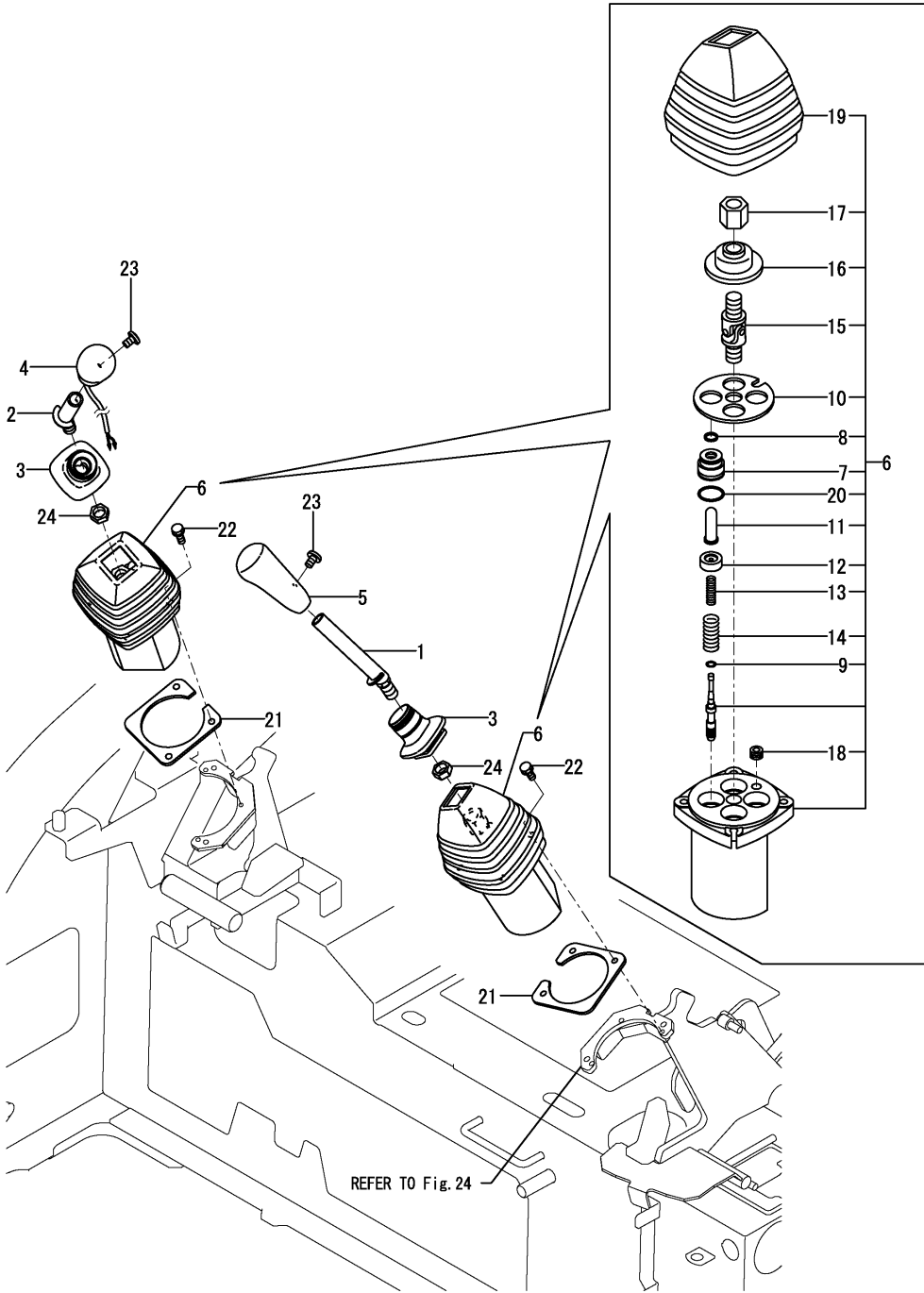
Remarks
(1)C=REF.NO.9 M10 SCREW,
NO.9-1 NO SCREW.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH RE.NO.1-1.
(2)REF.NO.2 W=41MM,REF.NO.2-1 W=45MM.

Fig.25. CONTROL EQUIPMENT(TRAVEL LEVER)



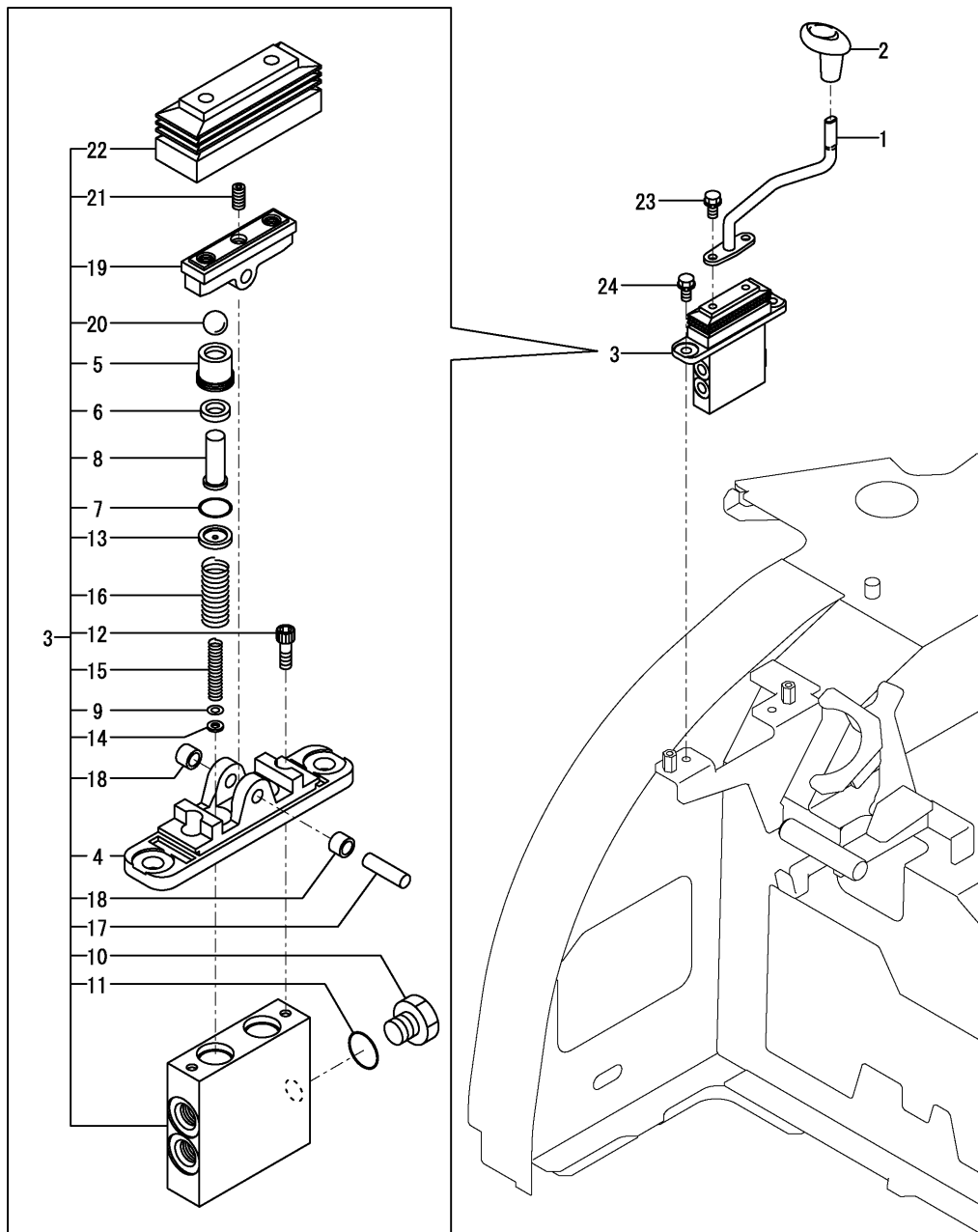
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26587-040122	SCREW, M4X12	2	2						
2	1	26716-100002	NUT, M10	2	2						
3	1	933110-54100	PIN	2	2						
4	1	172141-41340	BOOT	2	2						
5	1	172A47-45100	LEVER, TRUCK	1	1						
6	2	172141-41370	BUSH	2	2						
8	1	172A47-45150	LEVER, TRUCK	1	1						
9	2	172141-41370	BUSH	2	2						
11	1	172A47-45450	BRACKET, TRUCK	1	1						
12	1	172146-45691	ROD, SPOOL	2	2						
13	1	172187-45870	GRIP, DRIVE	1	1						
14	1	172187-45880	GRIP, DRIVE	1	1						
15	1	172124-46200	O-RING	3	3						
16	1	172122-46590	ELBOW	2	2						
17	1	1C6281-52310	PIN, SNAP 6	2	2						
18	1	22117-040000	WASHER, 4	2	2						
19	1	22117-080000	WASHER, 8	2	2						
20	1	22157-100000	WASHER, 10	1	1						
21	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
22	1	26013-100252	BOLT, M10X 25	3	3						
23	1	26051-080002	NUT, M8	4	4						
24	1	26116-100354	BOLT, M10X 35 PLATED	2	2						

Fig.26. CONTROL EQUIPMENT(OPERATION LEVER)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-45010	LEVER L CMP	1	1						
2	1	172A64-45040	LEVER R CMP	1	1						
3	1	172A64-45070	RUBBER BOOT	2	2						
4	1	172A46-45500	KNOB ASSY	1	1						
5	1	172A46-45510	KNOB ASSY	1	1						
6	1	172A64-74500	REMOTE CONTROL VALVE	2	2						
7	2	172151-73400	PLUG	8	8						
8	2	172151-73420	SEAL	8	8						
9	2	172151-73450	WASHER	8	8						
10	2	172A64-74590	PLATE	2	2						
11	2	172A64-74600	ROD,PUSH	8	8						
12	2	172A64-74610	SEAT, SPRING	8	8						
13	2	172A64-74620	SPRING	8	8						
14	2	172A64-74630	SPRING	8	8						
15	2	172A64-74640	JOINT	2	2						
16	2	172A64-74650	PLATE	2	2						
17	2	172A64-74660	NUT	2	2						
18	2	172A64-74670	BUSH	2	2						
19	2	172A64-74680	BELLOWS	2	2						
20	2	24315-000200	O-RING, 1BP20.0	8	8						
21	1	172A78-74650	PLATE ASSY,VALVE	2	2						
22	1	26013-060302	BOLT, M6X 30	6	6						
23	1	26587-040062	SCREW, M4X 6	2	2						
24	1	26756-140002	NUT, LOCK M14	2	2						

Fig.27. CONTROL EQUIPMENT(BLADE LEVER)

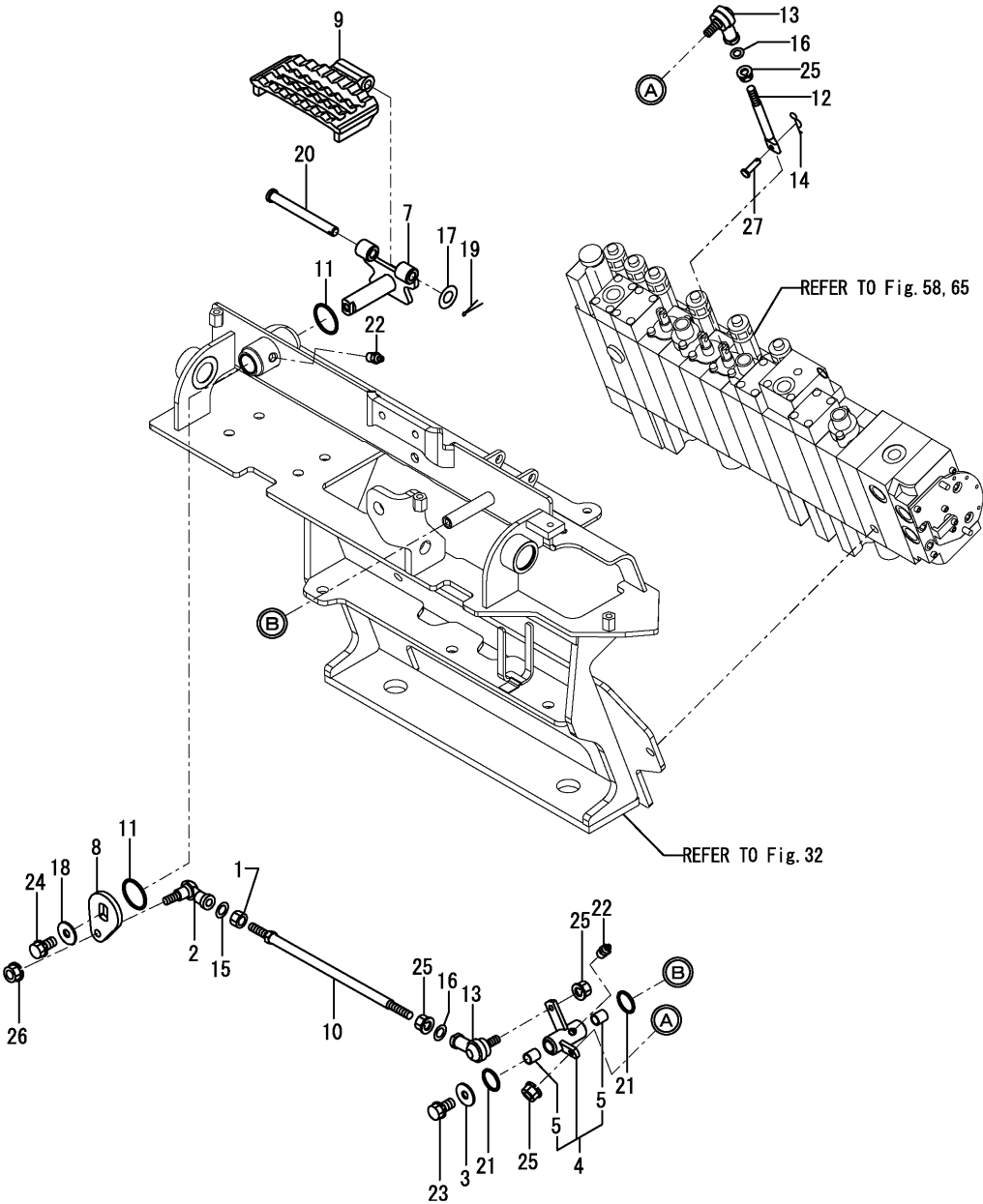


No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A46-45350	LEVER ASSY, BLADE	1	1				
2	1	172164-45970	GRIP, BLADE	1	1				
3	1	172A47-74700	VALVE ASSY,REMOTE	1	1				
4	2	172A47-74710	COVER	1	1				
5	2	172A47-74720	PLUG	2	2				
6	2	172A47-74730	PACKING	2	2				
7	2	172A47-74740	O-RING	2	2				
8	2	172A47-74750	ROD, PUSH	2	2				
9	2	172A47-74760	SHIM	2	2				
10	2	172A47-74770	PLUG, RO	1	1				
11	2	172A47-74780	O-RING	1	1				
12	2	172A47-74790	BOLT, HEX SOCKET	2	2				
13	2	172A47-74800	SEAT, SPRING	2	2				
14	2	172A47-74810	WASHER	2	2				
15	2	172A47-74820	SPRING	2	2				
16	2	172A47-74830	SPRING	2	2				
17	2	172A47-74840	SHAFT, CAM	1	1				
18	2	172A47-74850	BUSH	2	2				
19	2	172A47-74860	CAM	1	1				
20	2	172A47-74870	BALL, STEEL	2	2				
21	2	172A47-74880	SCREW, SETTING	1	1				
22	2	172A47-74890	BELLOWS	1	1				
23	1	26013-080162	BOLT, M8X 16	2	2				
24	1	26013-080202	BOLT, M8X 20	2	2				

Fig.28. CONTROL EQUIPMENT(SWING PEDAL)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

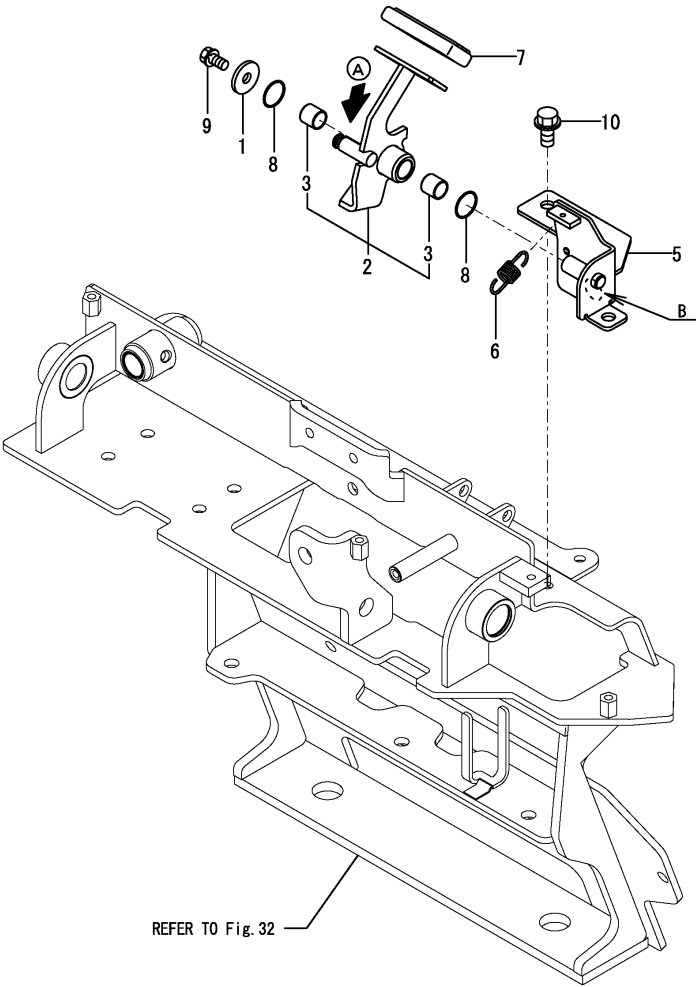
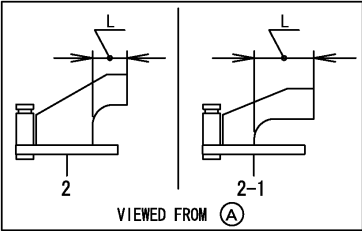


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194200-37780	NUT, M8	1	1						
2	1	172734-41300	JOINT, BALL	1	1						
3	1	1A1040-43900	WASHER, SPRING	1	1						
4	1	172A47-45200	LINK ASSY, SWING	1	1						
5	2	172141-41360	BUSH	2	2						
7	1	172A47-45260	PIN ASSY, SWING	1	1						
8	1	172A47-45300	PLATE, SWING	1	1						
9	1	172A47-45430	PEDAL	1	1						
10	1	172142-45870	ROD	1	1						
11	1	172124-46200	O-RING	2	2						
12	1	172162-46210	ROD	1	1						
13	1	172122-46590	ELBOW	2	2						
14	1	1C6281-52310	PIN, SNAP 6	1	1						
15	1	22117-080000	WASHER, 8	1	1						
16	1	22117-080000	WASHER, 8	2	2						
17	1	22137-100000	WASHER, 10	1	1						
18	1	22157-080000	WASHER, 8	1	1						
19	1	22417-200200	PIN, COTTER 2.0X20	1	1						
20	1	22487-100900	PIN, H10X 90	1	1						
21	1	24311-000210	O-RING, 1AP21.0	2	2						
22	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
23	1	26013-080162	BOLT, M8X 16	1	1						
24	1	26013-080162	BOLT, M8X 16	1	1						
25	1	26051-080002	NUT, M8	4	4						
26	1	26051-080002	NUT, M8	1	1						
27	1	933110-54100	PIN	1	1						

Fig.29. CONTROL EQUIPMENT(LOW-HIGH PEDAL)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



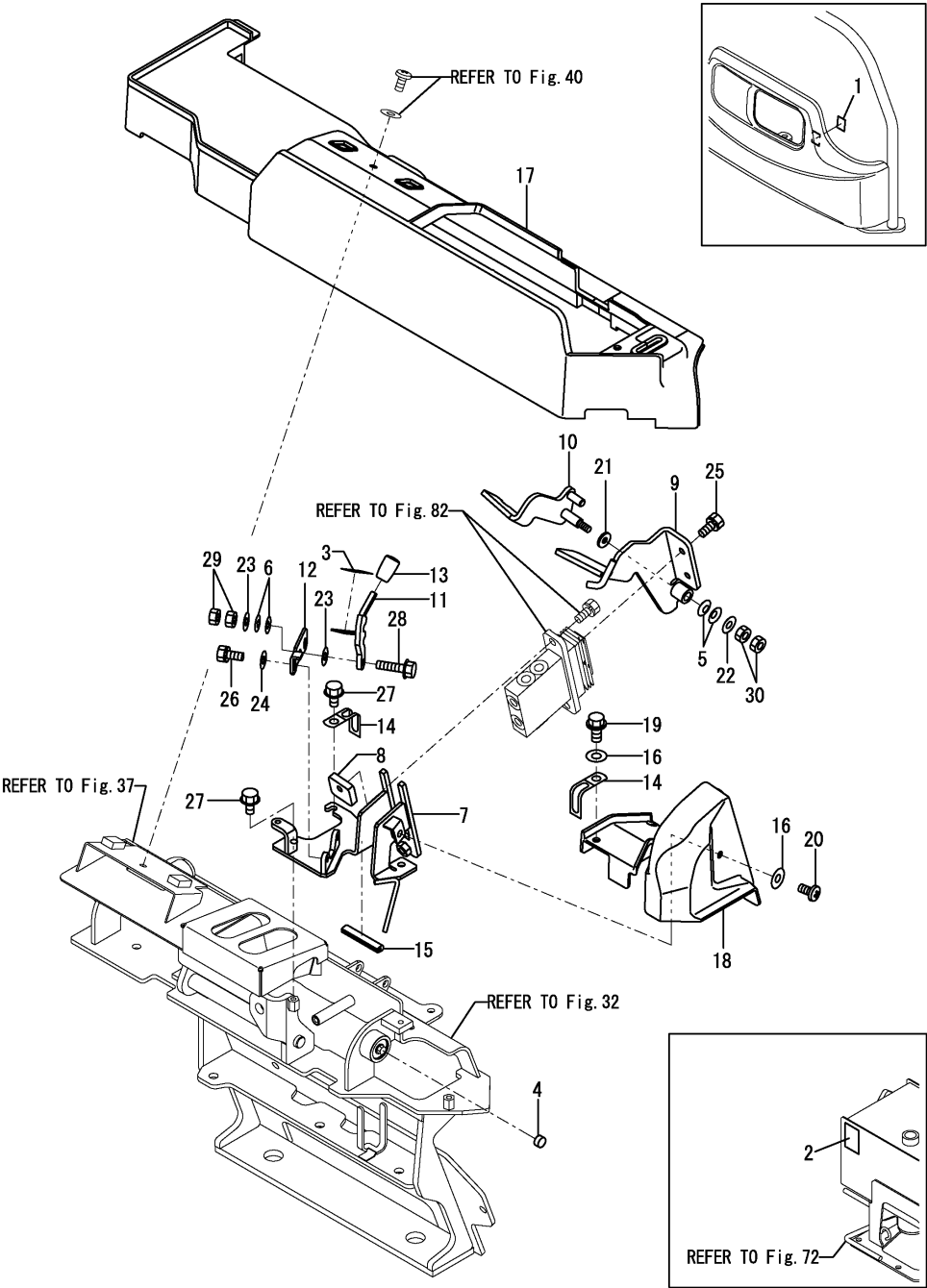
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1040-43900	WASHER, SPRING	1	1						
2	1	172A47-45501	PEDAL, SPEED	1	1						1
2-1	1	172A47-45502	PEDAL ASSY, SPEED	1	1					S	1
3	2	172141-41360	BUSH	2	2						
5	1	172A47-45531	BRACKET	1	1						2
5-1	1	172A47-45532	BRACKET ASSY	1	1					S	2
6	1	172A47-45580	SPRING	1	1						
7	1	172458-45950	PAD, PEDAL	1	1						
8	1	24311-000210	O-RING, 1AP21.0	2	2						
9	1	26013-080162	BOLT, M8X 16	1	1						
10	1	26106-080162	BOLT, M8X 16 PLATED	2	2						

Remarks
(1)L=Ref.No.2 17mm, No.2-1 35mm.
(2)B part hole diameter=Ref.No.5 19mm
No.5-1 21mm.

Fig.30. CONTROL EQUIPMENT(P.T.O. PEDAL)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

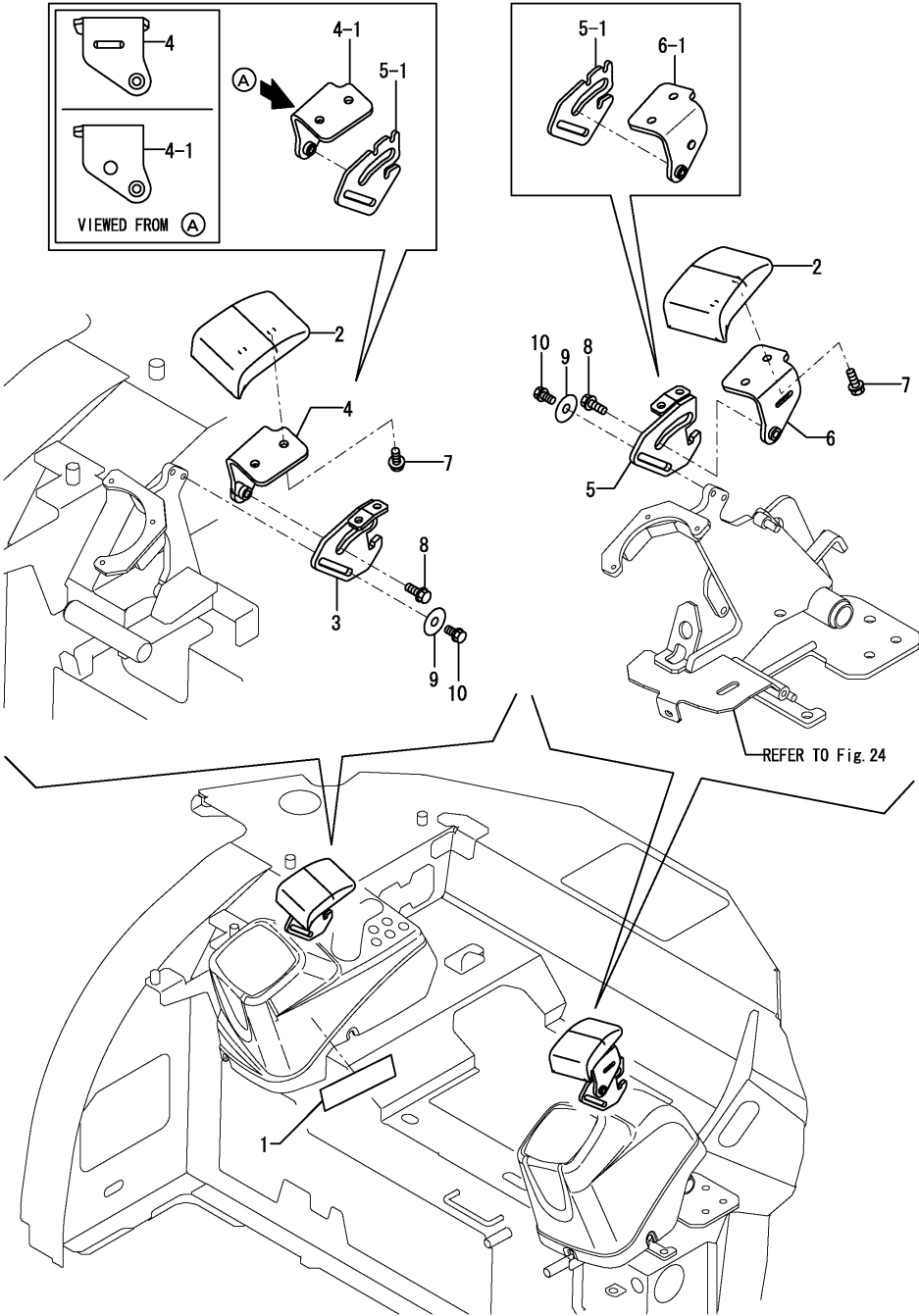


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-03220	LABEL, PTO	1	1						
2	1	172A46-03270	LABEL, PTO SELECT	1	1						
3	1	172A46-03280	LABEL, LOCK	1	1						
4	1	172725-16380	GROMMET	1	1						
5	1	172068-28490	SPRING	2	2						
6	1	172068-28490	SPRING	2	2						
7	1	172A46-46101	BRACKET, PTO	1	1						
8	1	172A46-46160	STAY	1	1						
9	1	172A46-46201	BRACKET, PEDAL	1	1						
10	1	172A46-46301	PEDAL ASSY, SUB	1	1						
11	1	172A46-46400	PLATE, LOCK	1	1						
12	1	172A46-46430	PLATE, LINK	1	1						
13	1	172116-46630	KNOB, LEVER	1	1						
14	1	194440-51620	CLAMP	2	2						
14-1	1	194440-51620	CLAMP	1	1						K
(A=M51010) (B=M51010)											
15	1	172183-61360	TRIM	1	1						
16	1	172458-62430	WASHER	2	2						
17	1	172A46-62500	MAT, FLOOR	1	1						
18	1	172A46-62510	COVER, PEDAL	1	1						
19	1	172519-63240	BOLT	1	1						
20	1	172137-69850	SCREW	1	1						
21	1	22111-120000	WASHER 12	1	1						
22	1	22137-080000	WASHER, 8	1	1						
23	1	22137-080000	WASHER, 8	2	2						
24	1	22137-080000	WASHER, 8	2	2						
25	1	26013-080162	BOLT, M8X 16	2	2						
26	1	26013-080162	BOLT, M8X 16	2	2						
27	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
28	1	26106-080302	BOLT, M8X 30 PLATED	1	1						
29	1	26756-080002	NUT, LOCK M8	2	2						
30	1	26756-080002	NUT, LOCK M8	2	2						

Fig.31. ARM REST

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

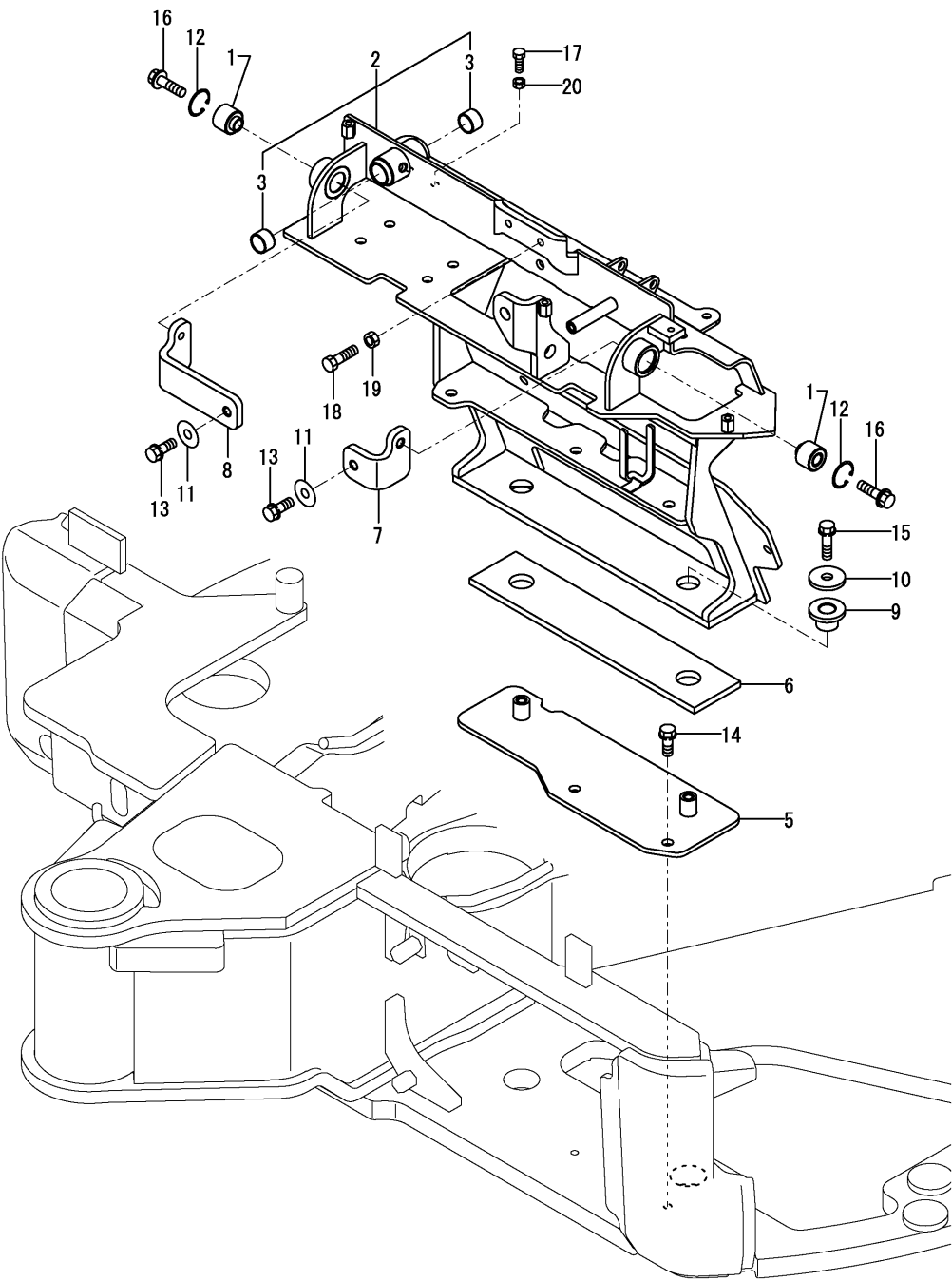
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-03230 (A=M53878) (B=M53878)	LABEL, ARMREST	1	1						Z
2	1	172441-44320	ARMREST	2	2						
3	1	172A46-46602 (A=M53878) (B=M53878)	PLATE, ARMREST	1	1						Z
4	1	172A46-46631	PLATE, GUIDE	1	1						
4-1	1	172A46-46632 (A=M53878) (B=M53878)	PLATE, GUIDE R ASSY	1	1						S
5	1	172A46-46702	PLATE, ARMREST	1	1						
5-1	1	172A46-46703 (A=M53878) (B=M53878)	PLATE, ARMREST L/R	2	2						S
6	1	172A46-46731	PLATE, GUIDE	1	1						
6-1	1	172A46-46732 (A=M53878) (B=M53878)	PLATE, GUIDE L ASSY	1	1						S
7	1	172519-63240	BOLT	4	4						
7-1	1	26014-080162 (A=M53878) (B=M53878)	BOLT, M8X 16	4	4						S
8	1	172519-63240	BOLT	4	4						
9	1	22157-080000	WASHER, 8	2	2						
10	1	26013-080202	BOLT, M8X 20	2	2						

OCS10-M53200 CONTROL EQUIPMENT

Fig.32. CONTROL VALVE PLATE



(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

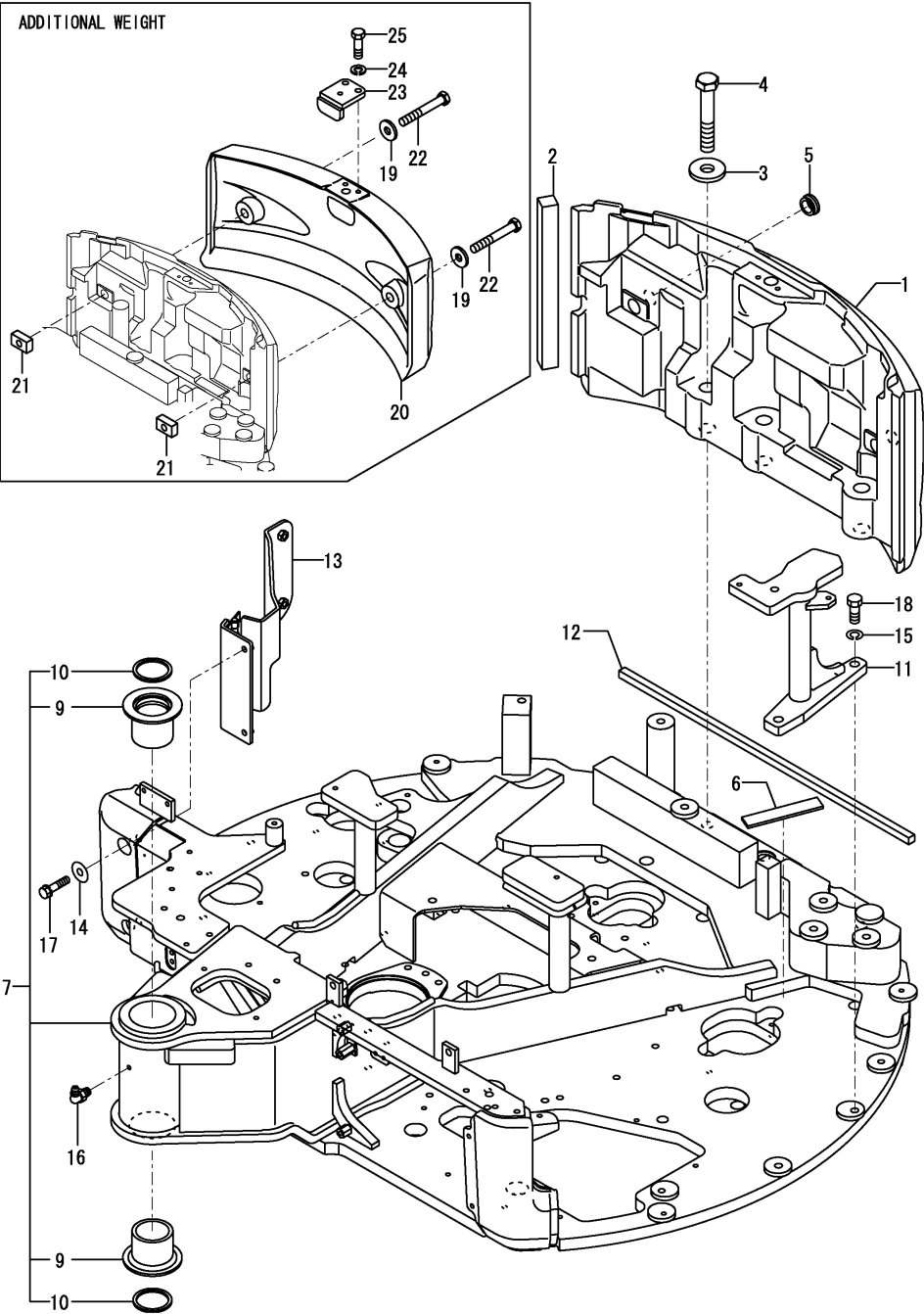
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-45490	CUSHION	2	2						
2	1	172A47-45601	MOUNT ASSY, LINK	1	1						
3	2	172141-41370	BUSH	2	2						
5	1	172A47-45800	BRACKET ASSY, DAMPER	1	1						
6	1	172A47-45840	PAD, ABSORBER	1	1						
7	1	172A47-45870	STAY, DAMPER	1	1						
8	1	172A47-45880	STAY, DAMPER	1	1						
9	1	172478-68870	GROMMET	2	2						
10	1	172478-68890	WASHER	2	2						
11	1	22157-100000	WASHER, 10	2	2						
12	1	22252-000280	RING, 28	2	2						
13	1	26013-100252	BOLT, M10X 25	2	2						
14	1	26013-100252	BOLT, M10X 25	2	2						
15	1	26013-100352	BOLT, M10X 35	2	2						
16	1	26106-100352	BOLT, M10X 35 PLATED	2	2						
17	1	26116-080204	BOLT, M8X 20 PLATED	2	2						
18	1	26116-100354	BOLT, M10X 35 PLATED	2	2						
18-1	1	26116-100304	BOLT, M10X 30 PLATED	2	2						N
(A=MZZZZZ) (B=MZZZZZ)											
19	1	26716-100002	NUT, M10	2	2						
20	1	26756-080002	NUT, LOCK M8	2	2						

Fig.33. TURNING FRAME

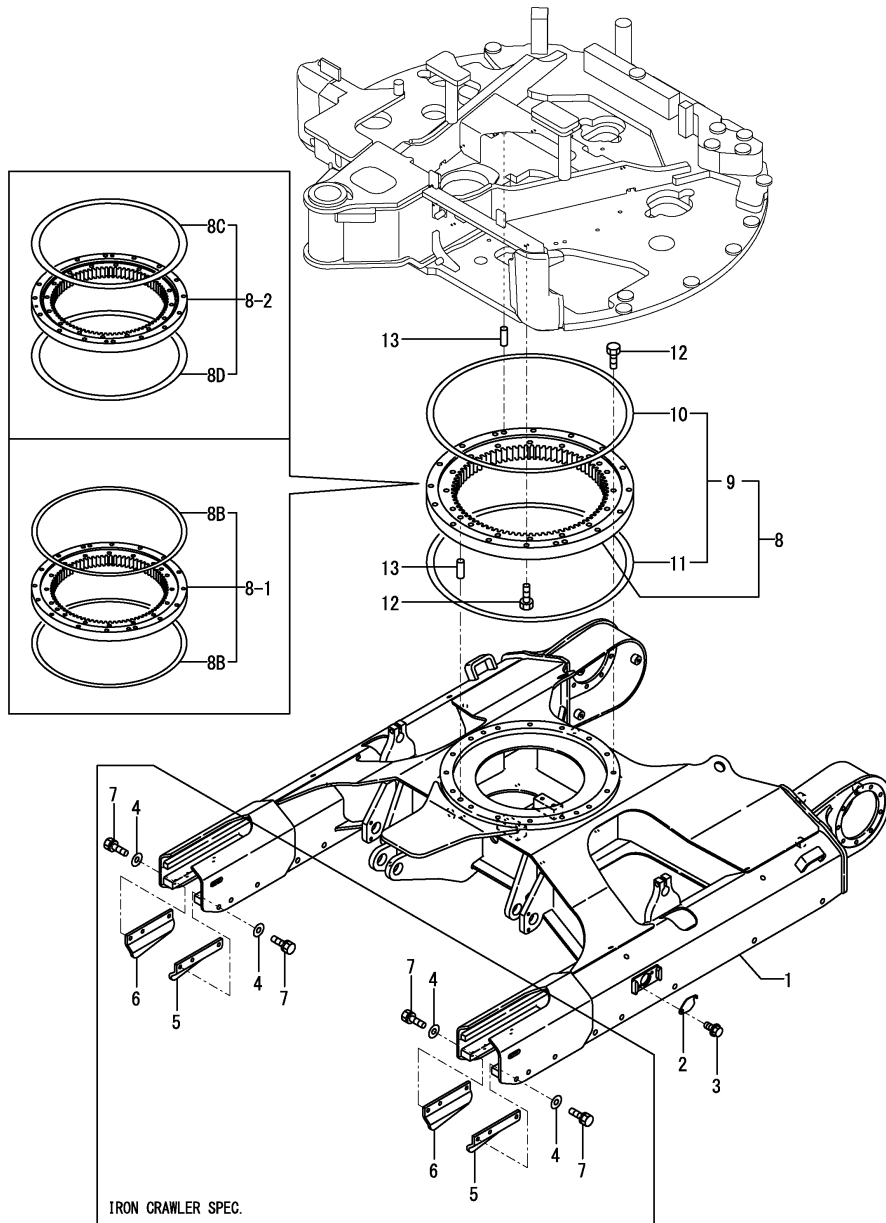
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-53310	WEIGHT, COUNTER	1	1						
2	1	172A47-53320	SEAL, WEIGHT	1	1						
3	1	172187-53321	WASHER	3	3						
4	1	172455-53331	BOLT	3	3						
5	1	172456-53700	GROMMET	2	2						
6	1	172458-14380	PLATE, RUBBER	1	1						
7	1	172A46-54091	FRAME ASSY, TURNING	1	1						
9	2	172169-54750	BUSH	2	2						
10	2	172165-81770	SEAL, DUST	2	2						
11	1	172A46-54530	BOSS ASSY	1	1						
12	1	172458-54750	SEAL	1	1						
13	1	172A47-65911	HINGE ASSY	1	1						
14	1	22157-100000	WASHER, 10	2	2						
14-1	1	22137-100000	WASHER, 10	2	2						N
(A=FROM 1ST) (B=FROM 1ST)											
15	1	22217-160000	WASHER, SPRING 16	2	2						
16	1	24761-050000	NIPPLE, GREASE C	1	1						
17	1	26013-100402	BOLT, M10X 40	2	2						
18	1	26116-160402	BOLT, M16X 40 PLATED	2	2						
19	1	172187-53321	WASHER	2	2						
20	1	172A46-53320	WEIGHT	1	1						
20-1	1	172A46-53321	WEIGHT	1	1						N
(A=M/#53403) (B=M/#53403)											
21	1	172A46-53360	NUT	2	2						
22	1	172A48-53371	BOLT	2	2						
23	1	172A48-53380	BRACKET ASSY, WEIGHT	1	1						
24	1	22217-160000	WASHER, SPRING 16	2	2						Z
(A=MZZZZZ) (B=MZZZZZ)											
24-1	1	933147-08501	WASHER	2	2						W
(A=MZZZZZ) (B=MZZZZZ)											
25	1	26116-160502	BOLT, M16X 50 PLATED	2	2						

Fig.35. TRACK FRAME & TURNING BEARING

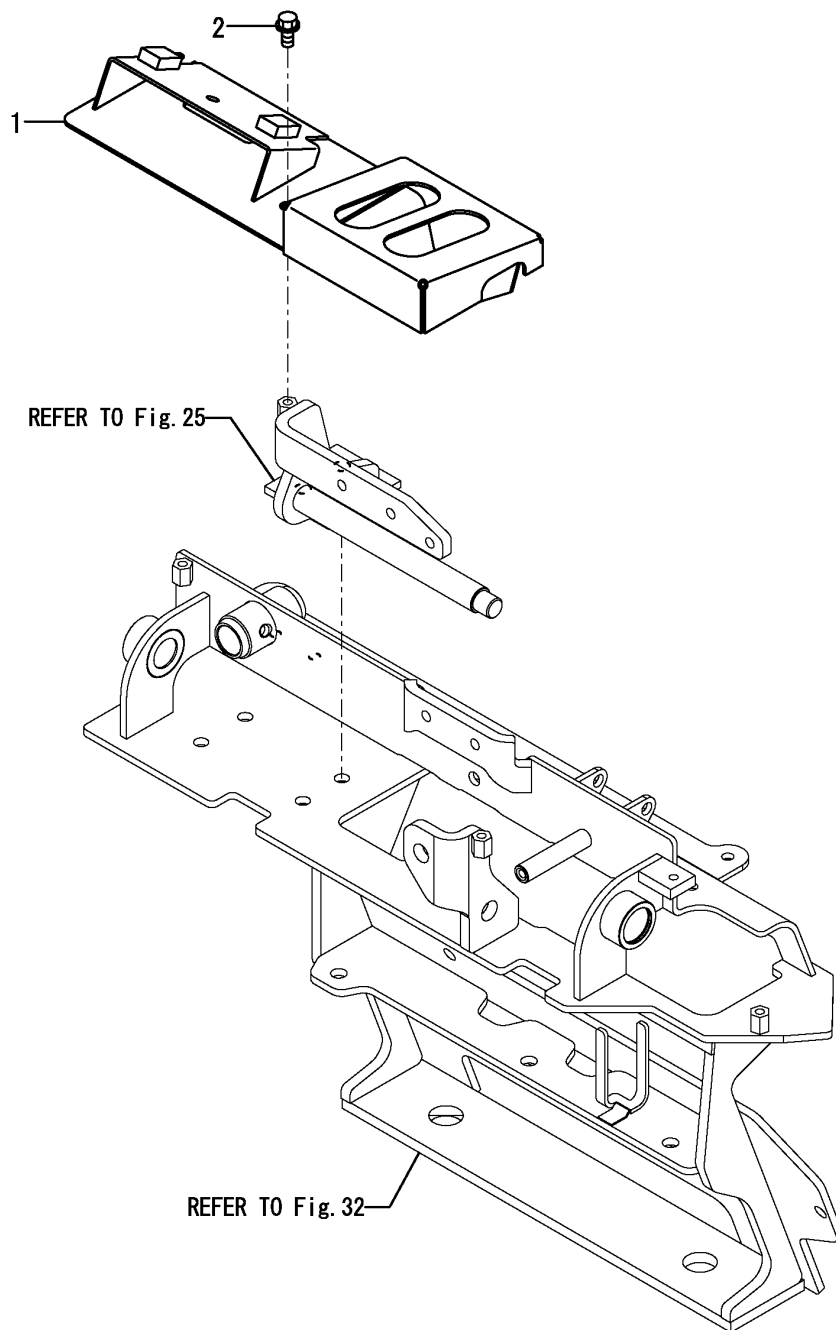


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-50104-2	FRAME ASSY, LOWER	1	1						
2	1	172458-50480-2	COVER, FRAME	2	2						
3	1	26106-100122	BOLT, M10X 12 PLATED	4	4						
4	1	172730-05250	WASHER, 12	12	12						1
5	1	172458-50800-2	PLATE, GUARD L	2	2						1
6	1	172458-50810-2	PLATE, GUARD R	2	2						1
7	1	26013-120252	BOLT, M12X 25	12	12						1
8	1	172458-57600-2	BEARING, TURNING	1	1						
8-1	1	172A77-57600	BEARING ASSY,TURNING	1	1						N
8-2	1	172458-57601-2	BEARING,SWING	1	1						R
8B	2	172A77-57620	SEAL, SWING	2	2						W
8B-1	2	172A77-57620	SEAL, SWING	2	2						Z
8C	2	172B03-57630	SEAL, A	1	1						W
8D	2	172B03-57640	SEAL, B	1	1						W
9	2	172142-57610	SEAL SET	1	1						Z
10	3	172122-57630	SEAL, SWING UPPER	1	1						Z
11	3	172122-57640	SEAL, SWING LOWER	1	1						Z
12	1	172A46-57610	BOLT, 14X65	32	32						
13	1	172122-57620	PIN, PARALLEL 13X36	4	4						

Remarks
(1)IRON CRAWLER SPEC.

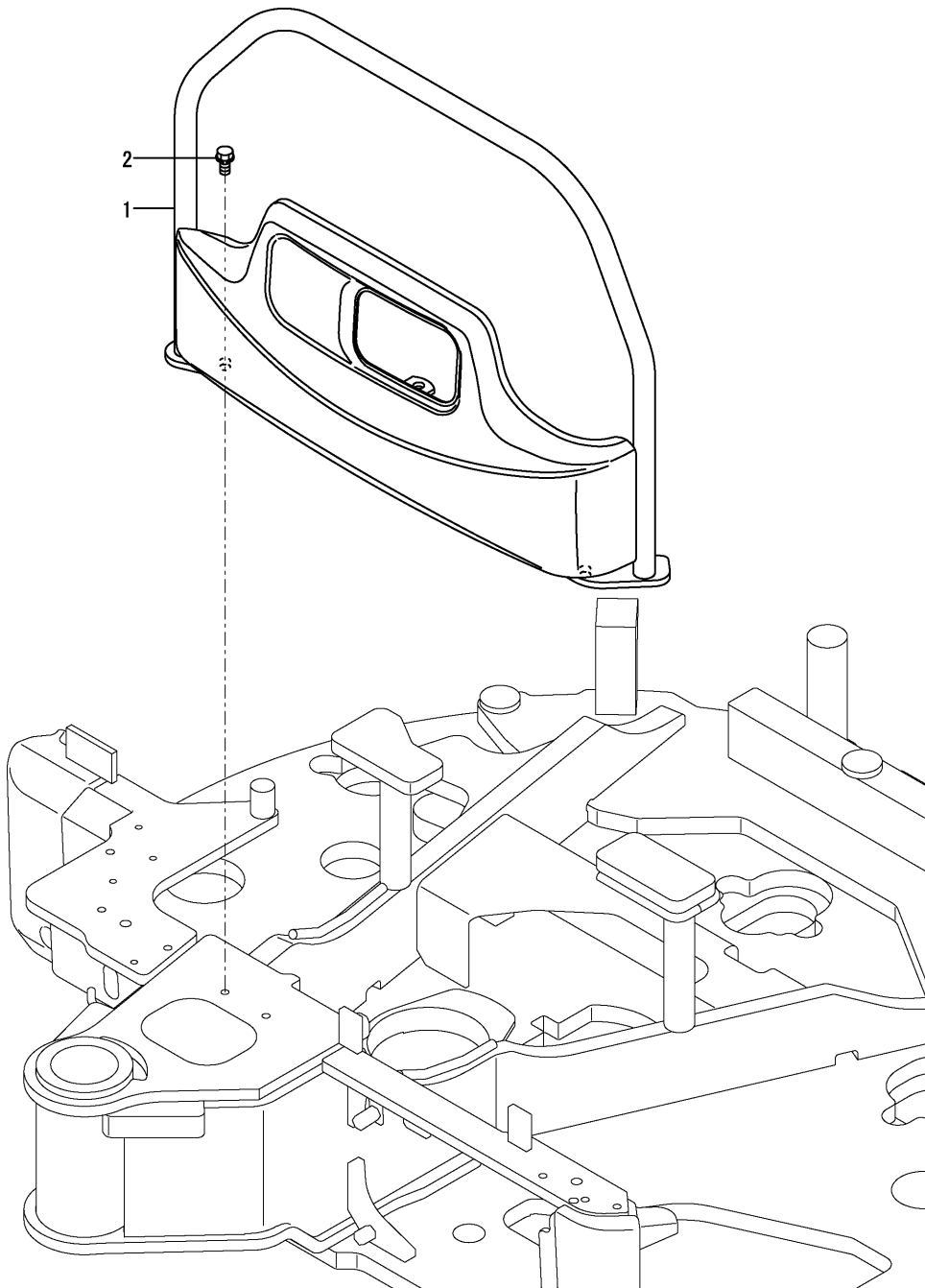
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.37. COVER(LINK)



				(A)=VIO35-5B P(KR)			(D)=				I	R
				(B)=VIO35-5B P(KR,30B)			(E)=					
				(C)=			(F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172A47-62200	STEP ASSY, CONTROL	1	1							
1-1	1	172A47-62201	STEP ASSY, CONTROL	1	1						N	
		(A=M54130)	(B=M54130)									
2	1	26106-080162	BOLT, M8X 16 PLATED	5	5							

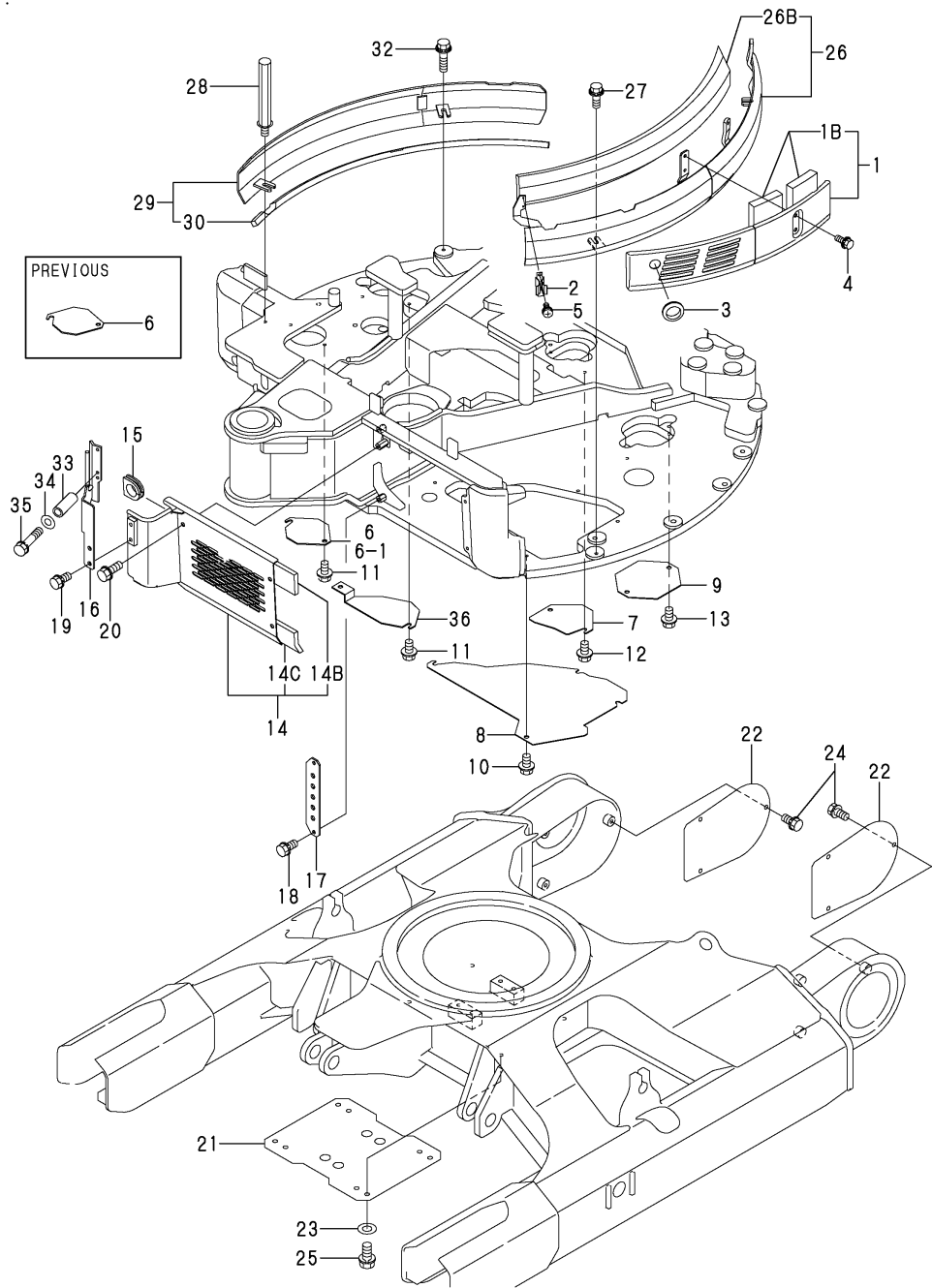
Fig.36. COVER(FRONT)



(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-61610-2	COVER ASSY	1	1						
1-1	1	172A47-61610-Y	COVER ASSY	1	1						S
		(A=M55001)	(B=M55001)								
2	1	26013-120302	BOLT, M12X 30	2	2						

OCS10-M53200 COVER
Fig.38. COVER(FRAME)

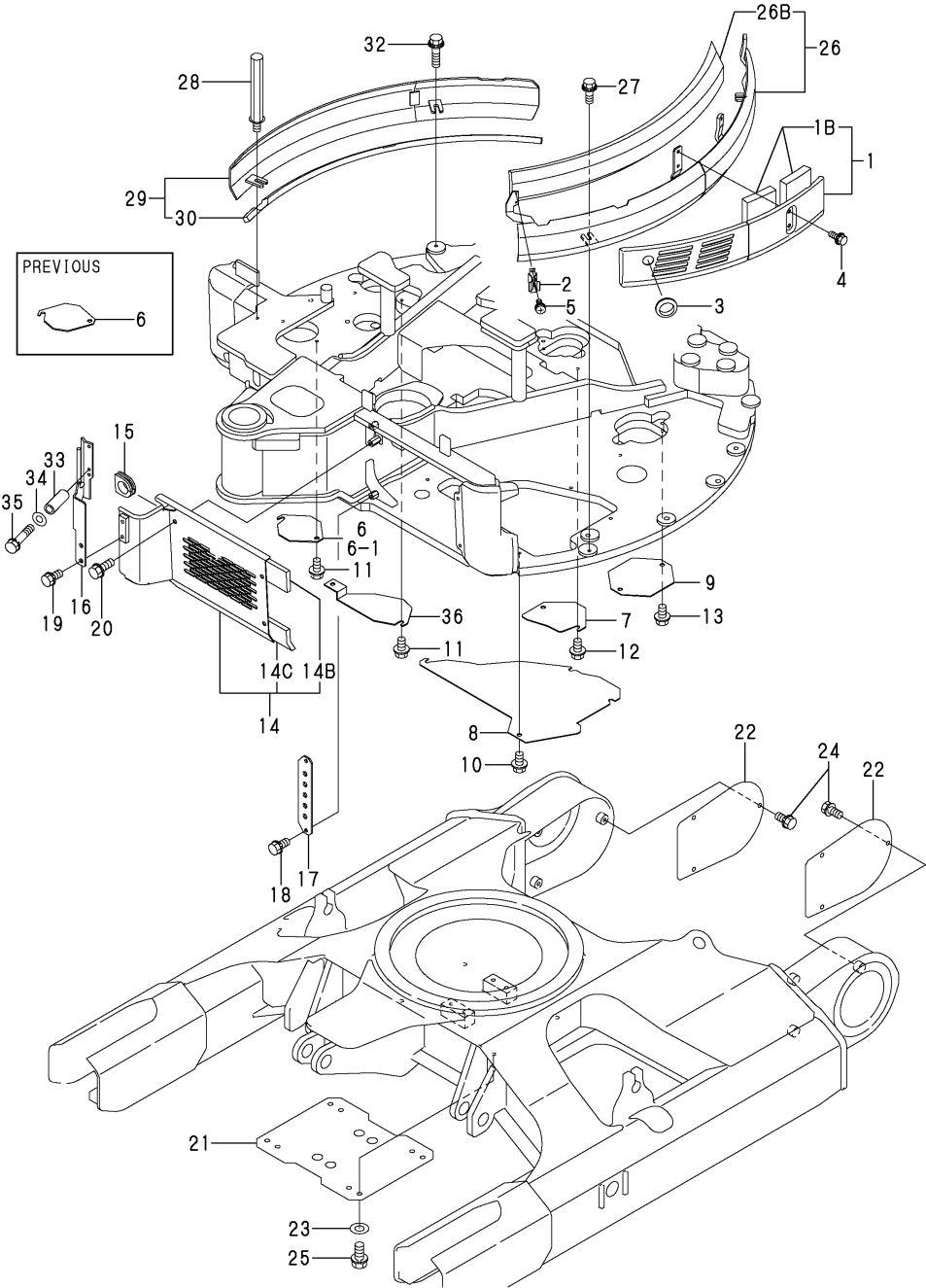


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

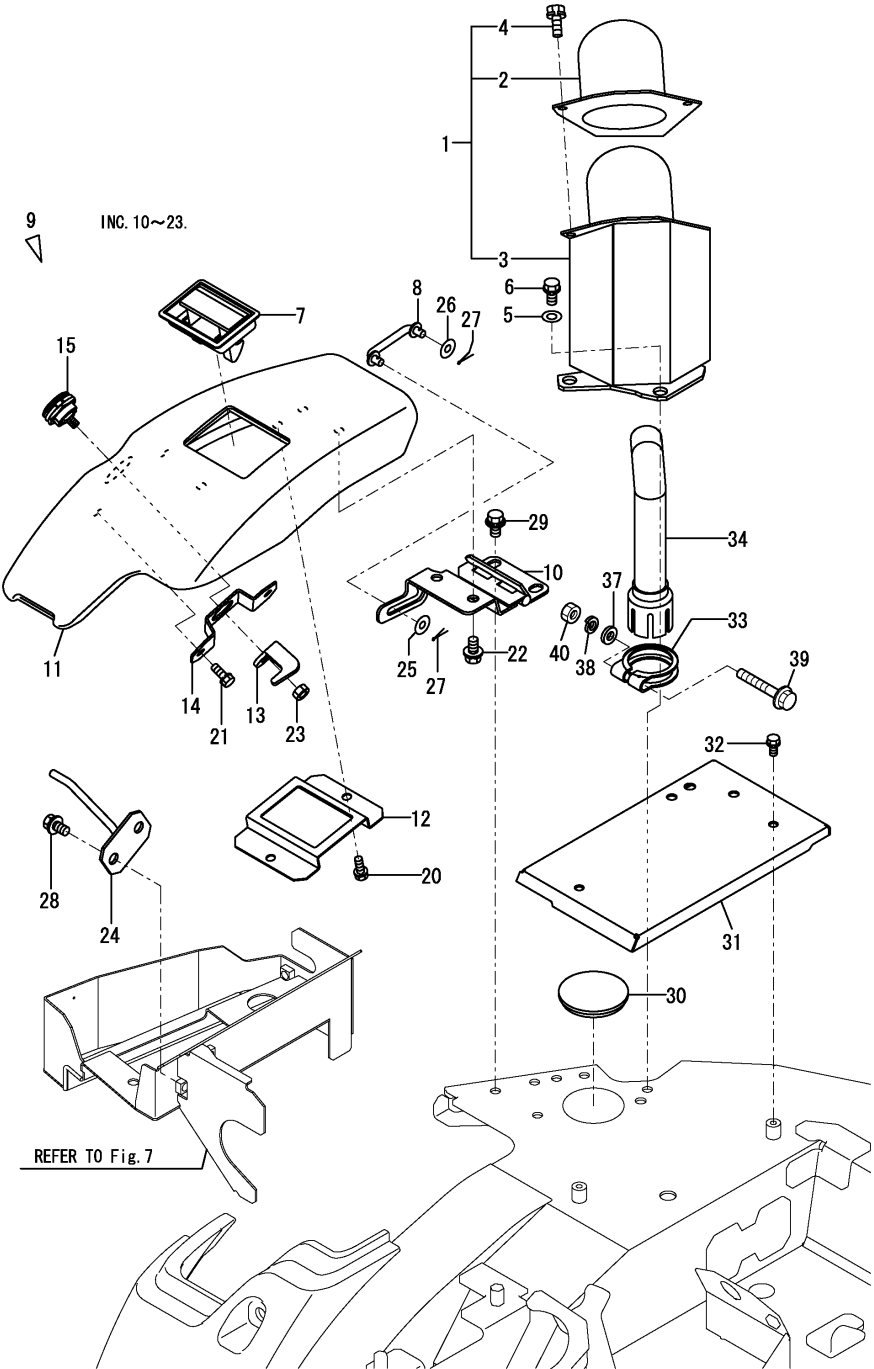
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-61220-2	COVER ASSY, MULTI	1	1						
1-1	1	172A77-61220-2	COVER ASSY, MULTI	1	1					N	
		(A=FROM 1ST) (B=FROM 1ST)									
1-2	1	172A77-61240-1	COVER ASSY, MULTI	1	1					N	
		(A=MZZZZZ) (B=MZZZZZ)									
1-3	1	172A77-61240-Y	COVER ASSY, MULTI	1	1					S	
		(A=M55001) (B=M55001)									
1B	2	172A77-61230	SPONGE	2	2					W	
		(A=FROM 1ST) (B=FROM 1ST)									
1B-1	2	172A77-61250	SPONGE	2	2					N	
		(A=MZZZZZ) (B=MZZZZZ)									
2	1	198220-61480	HOLDER, ROD	1	1						
3	1	172137-66230	GROMMET	1	1						
4	1	26014-080162	BOLT, M8X 16	2	2						
5	1	26023-050102	SCREW, M5X10	2	2						
6	1	172A47-61420	COVER, OIL SUMP	2	2						
6-1	1	172A47-61420	COVER, OIL SUMP	1	1					K	
		(A=FROM 1ST) (B=FROM 1ST)									
7	1	172A46-61500	COVER, OIL SUMP	1	1						
8	1	172A46-61510	COVER, VALVE STAND	1	1						
9	1	172A46-61580	COVER, PUMP	1	1						
10	1	26106-100162	BOLT, M10X 16 PLATED	4	4						
11	1	26106-100162	BOLT, M10X 16 PLATED	4	4						
12	1	26106-100162	BOLT, M10X 16 PLATED	2	2						
13	1	26106-100162	BOLT, M10X 16 PLATED	2	2						
14	1	172A46-61181	COVER	1	1						
14-1	1	172A77-61180	COVER	1	1					N	
		(A=FROM 1ST) (B=FROM 1ST)									
14-2	1	172A77-61270	COVER ASSY	1	1					N	
		(A=M57001) (B=M57001)									
14B	2	172A77-61190	SPONGE	1	1					W	
		(A=FROM 1ST) (B=FROM 1ST)									
14B-1	2	172A77-61280	SPONGE	1	1					N	
		(A=M57001) (B=M57001)									
14C	2	172A77-61200	SPONGE	1	1					W	
		(A=FROM 1ST) (B=FROM 1ST)									
14C-1	2	172A77-61290	SPONGE	1	1					N	
		(A=M57001) (B=M57001)									
15	1	172165-62800	GROMMET	1	1						
16	1	172A46-76730	GUIDE ASSY, HOSE	1	1						
17	1	172A46-79210	PLATE ASSY, HOSE	1	1						
18	1	26013-100202	BOLT, M10X 20	2	2						
19	1	26013-100202	BOLT, M10X 20	2	2						
20	1	26014-100162	BOLT, M10X 16	3	3						
21	1	172141-50762-3	COVER	1	1						
22	1	172A46-61460	COVER, TRAVEL	2	2						
23	1	22137-120000	WASHER, 12	4	4						
24	1	26013-100202	BOLT, M10X 20	6	6						
25	1	26013-120252	BOLT, M12X 25	4	4						
26	1	172A46-61010	GUARD, FRAME	1	1						
26-1	1	172A77-61010	GUARD ASSY, FRAME	1	1					N	

OCS10-M53200 COVER
Fig.38. COVER(FRAME)



										OCS10-M53200		Fig.38	
										(A)=VIO35-5B P(KR) (B)=VIO35-5B P(KR,30B) (C)=		(D)= (E)= (F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty	I	R	
26B	(A=FROM 1ST) 2	(B=FROM 1ST) 172A77-61020	SPONGE	1	1							W	
	(A=FROM 1ST)	(B=FROM 1ST)											
27	1	26014-100252	BOLT, M10X 25	2	2								
28	1	172A46-61050	BOLT ASSY	1	1								
29	1	172A46-61100	GUARD, FRAME	1	1								
30	2	172458-54750	SEAL	1	1								
32	1	26014-100252	BOLT, M10X 25	1	1								
33	1	172527-13320	COLLAR	1	1								
34	1	22137-080000	WASHER, 8	1	1								
35	1	26013-080452	BOLT, M8X 45	1	1								
36	1	172A46-61470	COVER, DRAIN	1	1							W	
(A=FROM 1ST)		(B=FROM 1ST)											

OCS10-M53200 COVER
Fig.39. COVER(BONNET)



(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

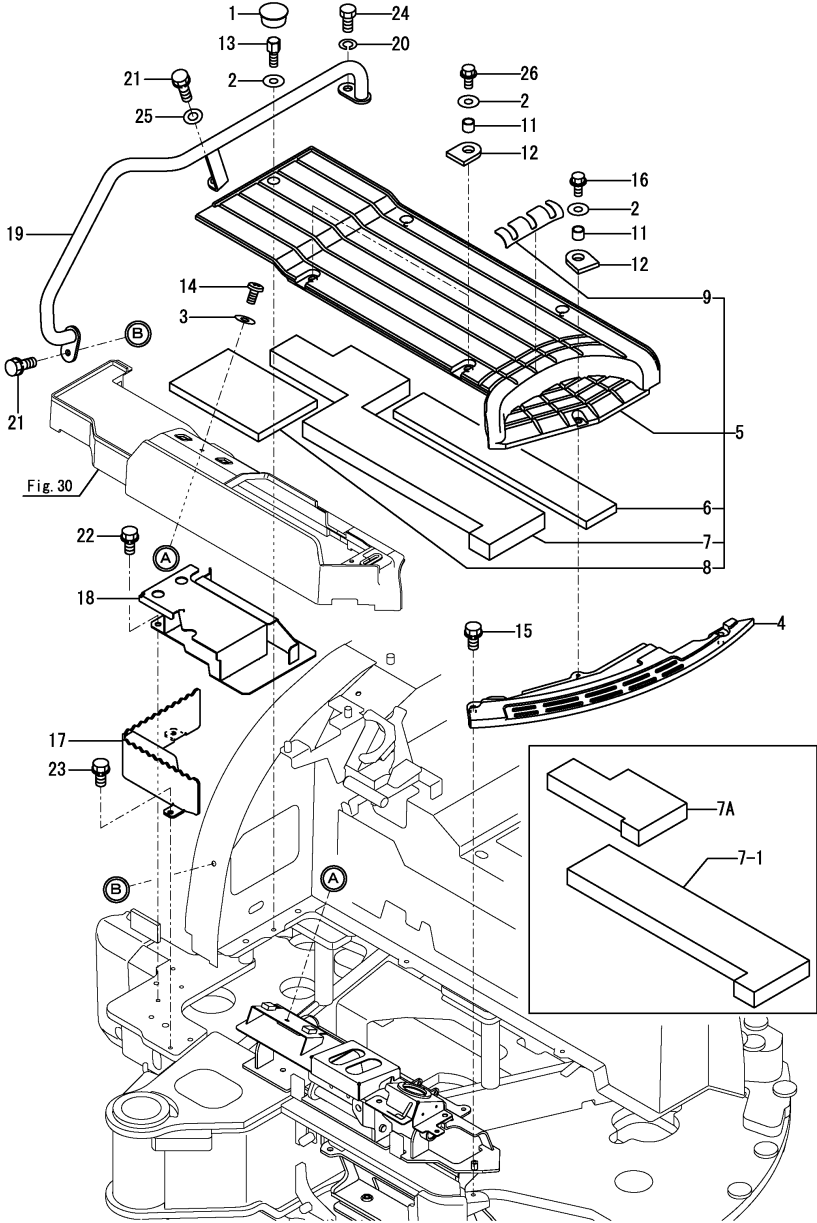
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-61431	COVER ASSY, TAIL	1	1						
2	2	172A46-61381	COVER ASSY, TAIL	1	1						
3	2	172A46-61451	COVER ASSY, TAIL	1	1						
4	2	26013-080162	BOLT, M8X 16	2	2						
5	1	22137-100000	WASHER, 10	2	2						
6	1	26013-100202	BOLT, M10X 20	2	2						
7	1	172187-61421	HANDLE, LOCK	1	1						
8	1	172A46-61562	ROD ASSY, STOPPER	1	1						
9	1	172A46-61850	COVER	1	1						
9-1	1	172A77-61810	COVER ASSY	1	1					S	
		(A=M55001) (B=M55001)									
10	2	172A46-61531	HINGE, COVER	1	1						
11	2	172A46-61860	COVER	1	1						
11-1	2	172A77-61820	COVER	1	1					S	
		(A=M55001) (B=M55001)									
12	2	172A46-61940	STAY, CATCH	1	1						
13	2	172A46-61951	STAY, KEY	1	1						
14	2	172A46-61960	PLATE, LOCK	1	1						
15	2	172164-66170	KEY ASSY, CYLINDER	1	1						
20	2	26013-080122	BOLT, M8X 12	2	2						
21	2	26013-080122	BOLT, M8X 12	2	2						
22	2	26014-100162	BOLT, M10X 16	2	2						
23	2	26347-100002	NUT, M10	1	1						
24	1	172A46-61970	BAR ASSY, CATCH	1	1						
25	1	1A1380-62160	WASHER	1	1						
26	1	22137-080000	WASHER, 8	1	1						
27	1	22417-200200	PIN, COTTER 2.0X20	2	2						
28	1	26014-100202	BOLT, M10X 20	2	2						
29	1	26014-100252	BOLT, M10X 25	2	2						
30	1	172730-61890	CAP, ENGINE COVER	1	1						
31	1	172A46-64020	COVER, SEAT MOUNT	1	1						
32	1	26013-080162	BOLT, M8X 16	3	3						
33	1	172A77-11310	CLAMP	1	1						
34	1	172A77-11350	PIPE ASSY, EXHAUST	1	1						
37	1	22117-100000	WASHER, 10	1	1						
38	1	22217-100000	WASHER, SPRING 10	1	1						
39	1	26106-100652	BOLT, M10X 65 PLATED	1	1						
40	1	26706-100002	NUT, M10	1	1						

OCS10-M53200 AROUND SEAT
Fig.40. STEP & FLOOR MAT

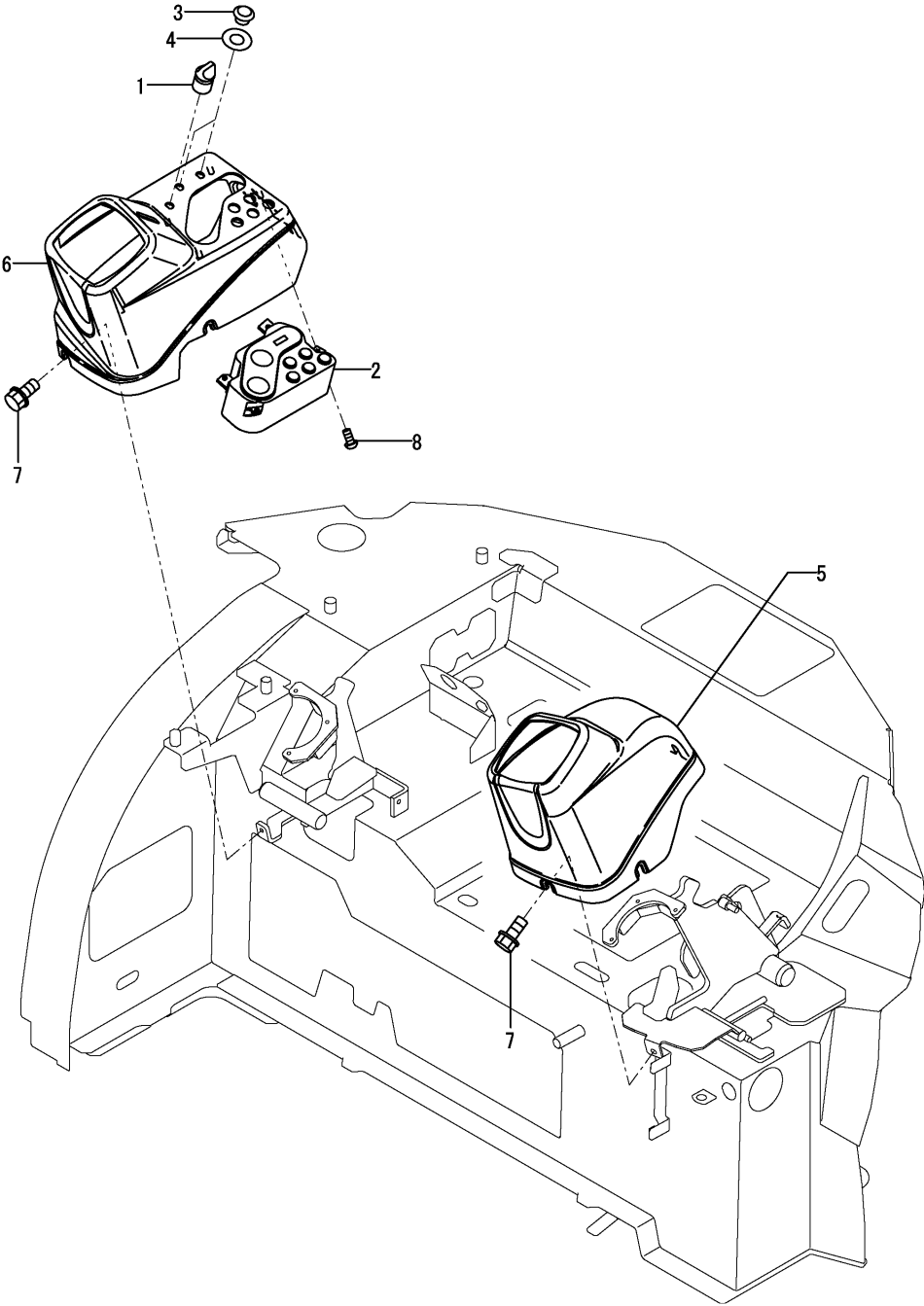
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-62150	CAP, CLIP	3	3						
2	1	1A1380-62160	WASHER, BELT COVER	6	6						
3	1	172458-62430	WASHER	2	2						
4	1	172A47-62520	STEP, NON SLIP	1	1						
5	1	172A47-62550	STEP ASSY	1	1						
6	2	172A47-62261	SPONGE	1	1						
7	2	172A47-62450	SPONGE	1	1						
7-1	2	172A47-62451	SPONGE	1	1					S	1
		(A=M53631) (B=M53631)									
7A	2	172A47-62470	SPONGE	1	1					W	
		(A=M53631) (B=M53631)									
8	2	172A47-62460	SPONGE	1	1						
9	2	172A47-62530	SHEET	1	1						
11	1	172A47-62570	COLLAR	3	3						
12	1	172A47-62580	PAD, ABSORBER	3	3						
13	1	172A47-62660	BOLT	3	3						
14	1	172137-69850	SCREW	2	2						
15	1	26013-100252	BOLT, SPRING M10X 25	2	2						
16	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
16-1	1	26106-080202	BOLT, M8X 20 PLATED	1	1					K	
		(A=*2010.03.) (B=*2010.03.)									
17	1	172A46-61590	STEP ASSY	1	1						
18	1	172A46-62100	STEP ASSY	1	1						
19	1	172A46-64852	HANDRAIL ASSY	1	1						
20	1	22217-160000	WASHER, SPRING 16	1	1						
21	1	26013-100202	BOLT, SPRING M10X 20	2	2						
22	1	26013-100202	BOLT, SPRING M10X 20	2	2						
23	1	26013-100202	BOLT, SPRING M10X 20	2	2						
24	1	26116-160352	BOLT, M16X 35 PLATED	1	1						
25	1	22137-100000	WASHER, 10	1	1						
26	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
26-1	1	26106-080252	BOLT, M8X 25 PLATED	2	2					N	
		(A=*2010.03.) (B=*2010.03.)									

Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.NO.7A.

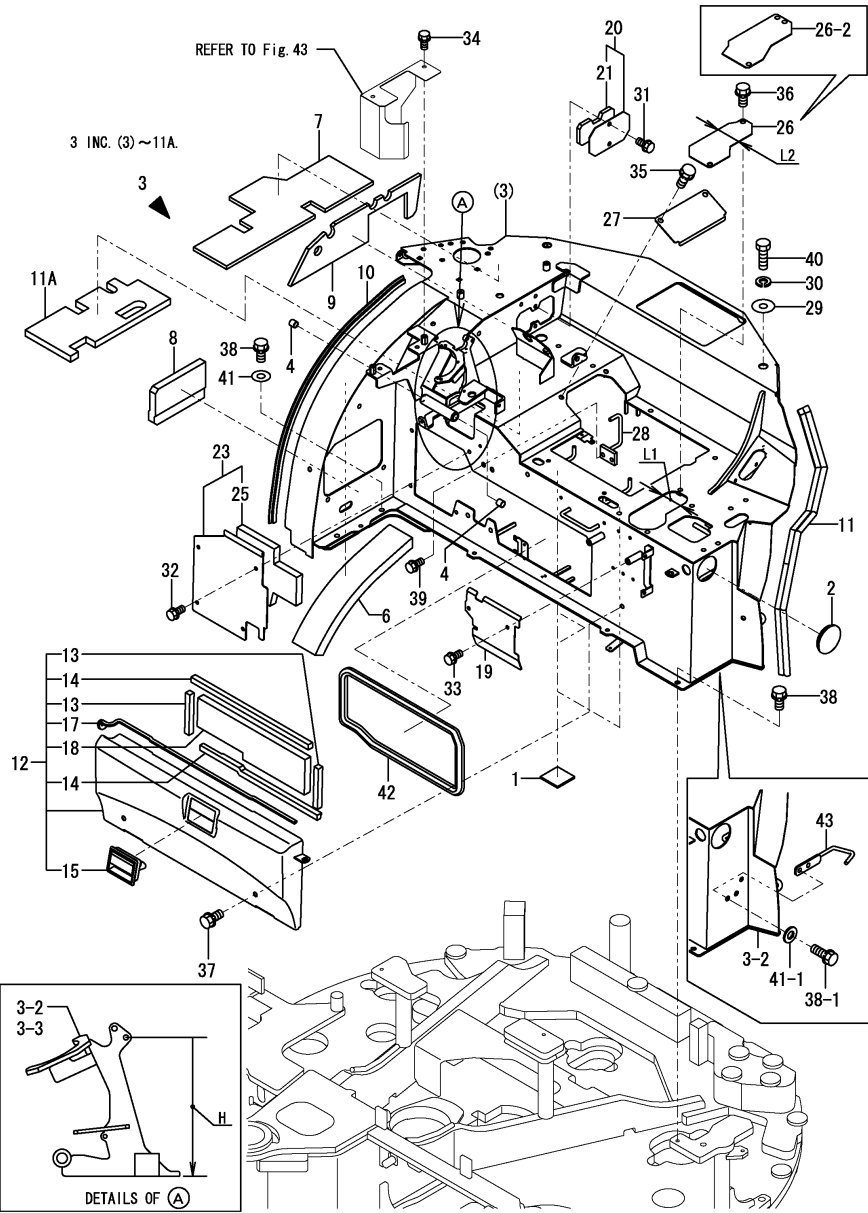


										OCS10-M53200		Fig.41	
										(A)=VIO35-5B P(KR)		(D)=	
										(B)=VIO35-5B P(KR,30B)		(E)=	
										(C)=		(F)=	
No.	Lev.	Parts No.	Description	Q'ty						I	R		
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	172187-17280	SWITCH ASSY, LIGHT	1	1								
1-1	1	172187-17281	SWITCH ASSY, LAMP	1	1								R
(A=*2024.10.) (B=*2024.10.)													
1-2	1	172187-17282	SWITCH ASSY, LAMP	1	1								N
(A=*2024.12.) (B=*2024.12.)													
2	1	172A77-17250	MONITOR ASSY	1	1								
2-1	1	172A77-17251	MONITOR ASSY	1	1								N
(A=*2024.10.) (B=*2024.10.)													
3	1	172187-17560	CAP, STEERING WHEEL	2	2								
4	1	172187-17570	GASKET	2	2								
5	1	172A47-63110	PANEL, INSTRUMENT L	1	1								
6	1	172A47-63121	PANEL, INSTRUMENT R	1	1								
7	1	172519-63240	BOLT, M8X16	6	6								
8	1	22857-500121	SCREW 5X12	4	4								

Fig.42. SEAT MOUNT

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

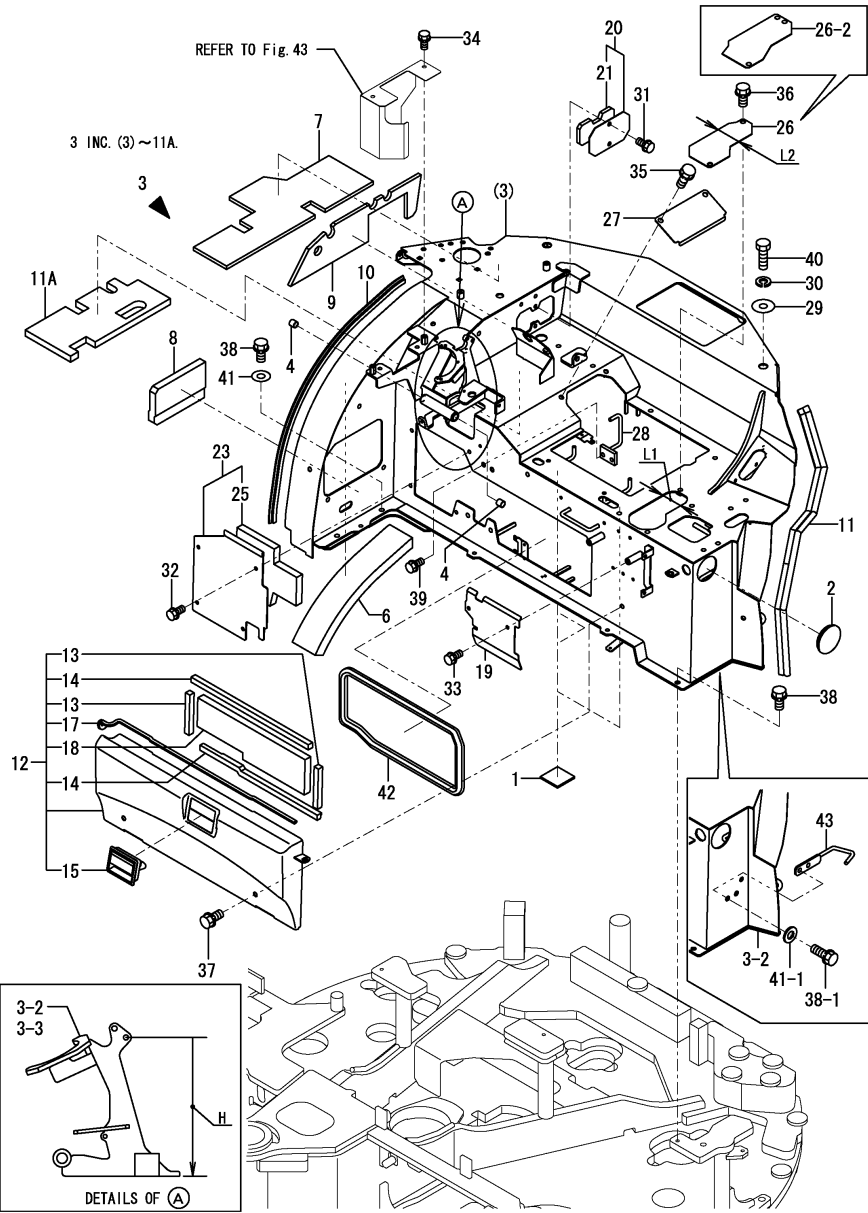
(D)=
(E)=
(F)=



Remarks
(1)L1=REF.NO.3 64MM, NO.3-1 76MM.
(2)L2=REF.NO.26 72MM, NO.26-1 88MM.
(3)REF.NO.3-2 H=196MM,
REF.NO.3-3 H=198MM.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172446-14250	PLATE, RUBBER	2	2						
2	1	172730-61890	CAP, ENGINE COVER	1	1						
3	1	172A77-64100	MOUNT ASSY, SEAT	1	1						
3-1	1	172A77-64101 (A=M/#53444) (B=M/#53444)	MOUNT ASSY, SEAT	1	1					S	1
3-2	1	172A77-64102 (A=M/#XXXXX) (B=M/#XXXXX)	MOUNT ASSY, SEAT	1	1					S	
3-3	1	172A77-64103 (A=M53827) (B=M53827)	MOUNT ASSY, SEAT	1	1					S	3
3-4	1	172A77-64104 (A=MZZZZZ) (B=MZZZZZ)	MOUNT ASSY, SEAT	1	1					N	
4	2	172141-41360	BUSH	2	2						
6	2	172A47-64900	SPONGE	1	1						
7	2	172A46-64940	WOOL, GLASS	1	1						
8	2	172A47-64940	SPONGE	1	1						
9	2	172A46-64990	WOOL, GLASS	1	1						
10	2	172444-65610	SEAL, BONNET	1	1						
11	2	172164-65710	RUBBER, SEAL	1	1						
11A	2	172A77-64910 (A=FROM 1ST) (B=FROM 1ST)	SPONGE	1	1					W	
12	1	172A47-64501	COVER ASSY, MANUAL	1	1						
13	2	172446-13580	SEAL, RADIATOR	2	2						
14	2	172455-18860	SEAL	2	2						
15	2	172187-61421	HANDLE, LOCK	1	1						
17	2	172A47-64550	SEAL	1	1						
18	2	172A47-64950	SPONGE	1	1						
19	1	172A47-64580	COVER, ELECTRIC	1	1						
20	1	172A46-64820	COVER	1	1						
21	2	172A46-64830	WOOL, GLASS	1	1						
23	1	172A47-64871	COVER, SEAT MOUNT	1	1						
25	2	172A47-64960	SPONGE	1	1						
26	1	172A46-64951	COVER, SEAT MOUNT	1	1						
26-1	1	172A46-64952 (A=M/#53444) (B=M/#53444)	COVER, SEAT MOUNT	1	1					S	2
26-2	1	172A46-64953 (A=MZZZZZ) (B=MZZZZZ)	COVER, SEAT MOUNT	1	1					S	
27	1	172A46-64970	COVER, SEAT MOUNT	1	1						
28	1	172A45-76710	CLAMP ASSY, HOSE	1	1						
29	1	22157-140000	WASHER, 14	1	1						
30	1	22217-160000	WASHER, SPRING 16	1	1						
31	1	26013-080162	BOLT, M8X 16	2	2						
32	1	26013-080162	BOLT, M8X 16	4	4						
33	1	26013-080162	BOLT, M8X 16	2	2						
34	1	26013-080162	BOLT, M8X 16	2	2						
35	1	26013-100162	BOLT, M10X 16	2	2						
36	1	26013-100162	BOLT, M10X 16	2	2						
37	1	26013-100202	BOLT, M10X 20	2	2						
38	1	26013-100252	BOLT, M10X 25	4	4						
38-1	1	26013-100252 (A=M/#XXXXX) (B=M/#XXXXX)	BOLT, M10X 25	6	6					K	
39	1	26013-100202	BOLT, M10X 20	2	2						

Fig.42. SEAT MOUNT



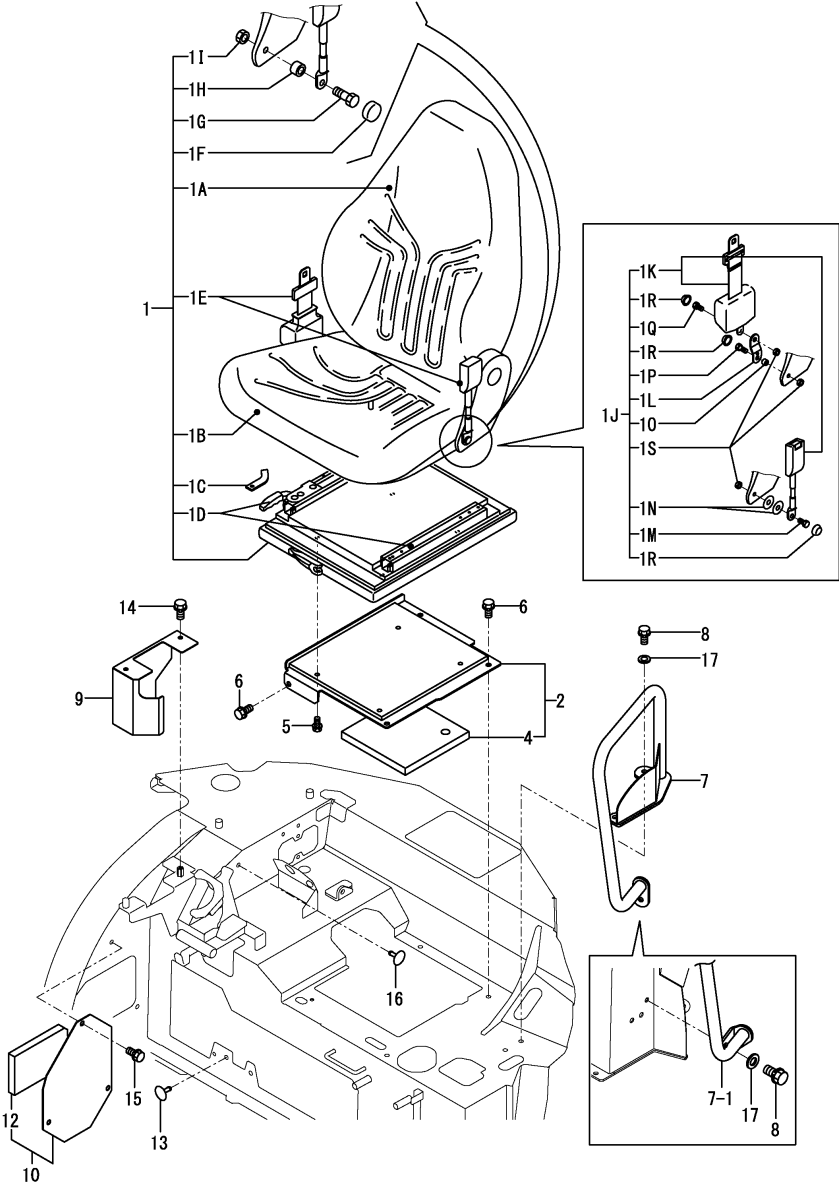
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40	1	26116-160252	BOLT, M16X 25 PLATED	1	1						
41	1	22137-100000	WASHER, 10	1	1						
41-1	1	22137-100000	WASHER, 10	4	4						K
(A=M/#XXXXX) (B=M/#XXXXX)											
42	1	172162-65650	SEAL	1	1						
43	1	172A77-78100	GUIDE ASSY, HOSE	1	1						W
(A=M/#XXXXX) (B=M/#XXXXX)											

Remarks
(1)L1=REF.NO.3 64MM, NO.3-1 76MM.
(2)L2=REF.NO.26 72MM, NO.26-1 88MM.
(3)REF.NO.3-2 H=196MM,
REF.NO.3-3 H=198MM.

Fig.43. SEAT & HANDRAIL(TO M54600)

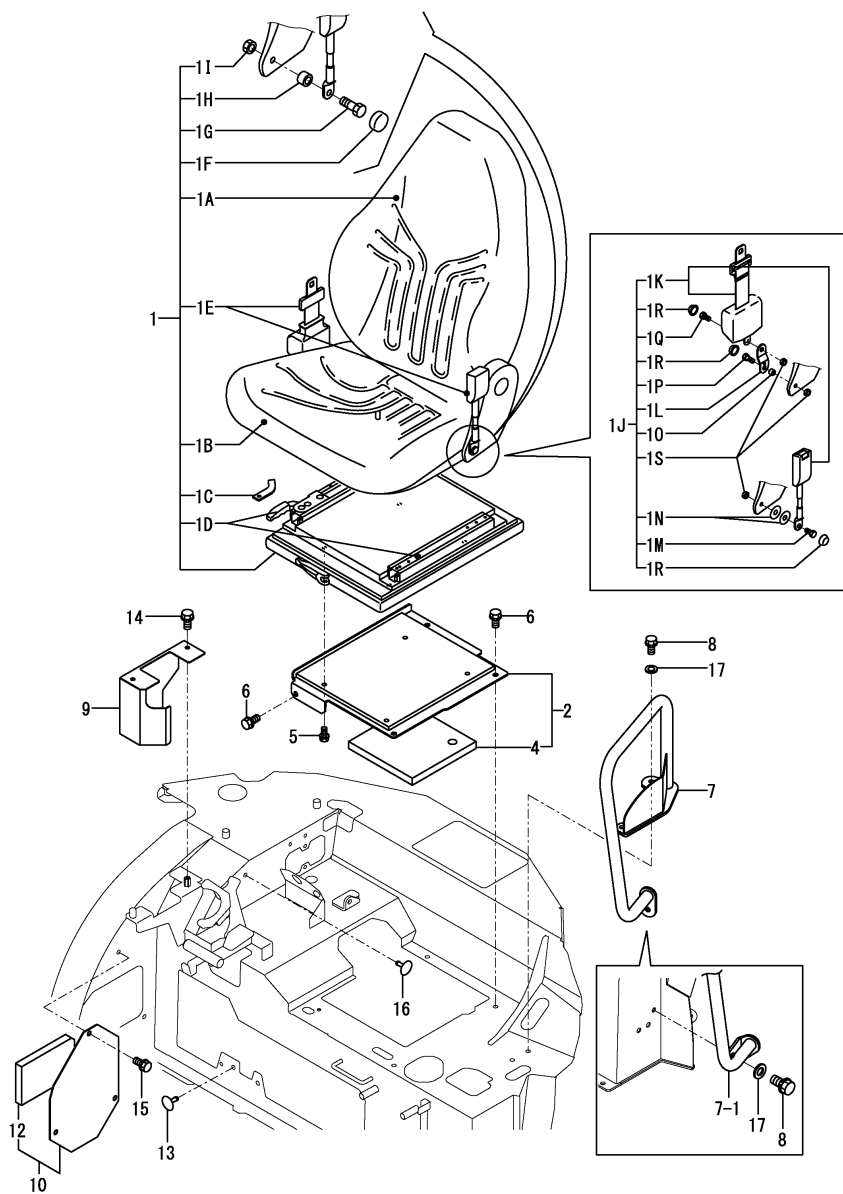
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172467-64101	SEAT ASSY, OPERATOR	1	1					Z	1
		(A=M54601) (B=M54601)									
1A	2	172467-64110	CUSHION, BACK REST	1	1						
1B	2	172467-64120	CUSHION, SEAT	1	1						
1C	2	172467-64130	STOPPER	1	1						
1D	2	172467-64140	RAIL SET	1	1						
1E	2	172467-64150	BELT, SEAT	1	1					Z	2
		(A=*2022.02.) (B=*2022.02.)									
1F	2	172467-64160	COVER, CAP	2	2					Z	
		(A=*2022.02.) (B=*2022.02.)									
1G	2	172467-64170	BOLT	2	2					Z	
		(A=*2022.02.) (B=*2022.02.)									
1H	2	172467-64180	TUBE	2	2					Z	
		(A=*2022.02.) (B=*2022.02.)									
1I	2	172467-64190	NUT	2	2					Z	
		(A=*2022.02.) (B=*2022.02.)									
1J	2	172A69-08100	SEATBELT KIT	1	1					W	
		(A=*2022.02.) (B=*2022.02.)									
1K	3	172467-64020	SEATBELT	1	1						
1L	3	172467-64030	BRACKET	1	1						
1M	3	172467-64040	BOLT, M8X25	1	1						
1N	3	172467-64050	SPACER, 2.0	2	2						
1O	3	172467-64060	SPACER, 7.0	1	1						
1P	3	172467-64070	BOLT, M8X30	1	1						
1Q	3	172467-64080	BOLT, M8X20	1	1						
1R	3	172467-64160	COVER, CAP	3	3						
1S	3	172467-64190	NUT	3	3						
2	1	172A46-64810	PLATE ASSY, SEAT GRM	1	1						
2-1	1	172A46-64811-1	PLATE ASSY, SEAT GRM	1	1					N	
		(A=M/#53444) (B=M/#53444)									
4	2	172A46-64930	PAD, SEAT MOUNT D	1	1						
5	1	26013-080162	BOLT, M8X 16	4	4						
6	1	26013-100202	BOLT, M10X 20	4	4						
7	1	172A47-64701	HOLD ASSY, HAND	1	1						
7-1	1	172A47-64702	HOLD ASSY, HAND	1	1					S	
		(A=M53550) (B=M53550)									
8	1	26013-100202	BOLT, M10X 20	2	2						
8-1	1	26013-100252	BOLT, M10X 25	3	3					N	
		(A=*2015.07.) (B=*2015.07.)									
9	1	172A47-61460-2	COVER, BLADE	1	1						
10	1	172A47-64880	COVER, SEAT MOUNT	1	1						
12	2	172A47-64940	PAD, SEAT MOUNT E	1	1						
13	1	172444-68650	CLIP, TREE	1	1						
13-1	1	172122-17190	CLIP, TREE	1	1					R	
		(A=*2010.10.) (B=*2010.10.)									
14	1	26013-080162	BOLT, M8X 16	2	2						
15	1	26013-100202	BOLT, M10X 20	3	3						
16	1	172444-68650	CLIP, TREE	4	4						
16-1	1	172122-17190	CLIP, TREE	4	4					R	
		(A=*2010.10.) (B=*2010.10.)									
17	1	194145-04810	WASHER, 10	3	3					W	

Fig.43. SEAT & HANDRAIL(TO M54600)



Remarks

(1) Please refer to Fig.96(43A) for after 2012.02.

(2)Copes in No.1J.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

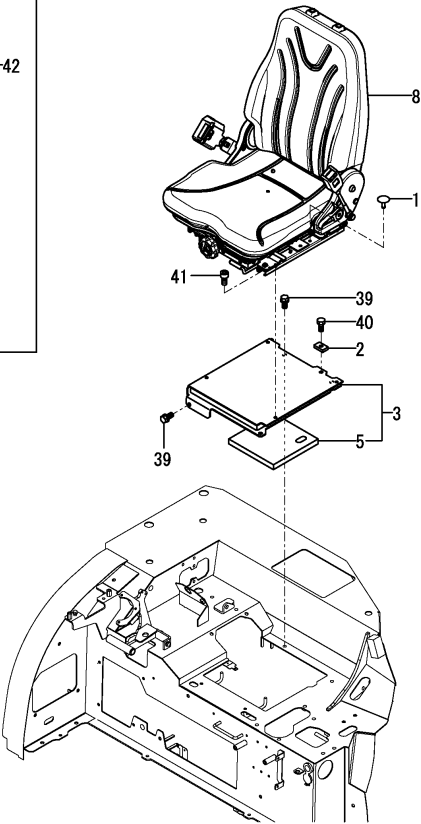
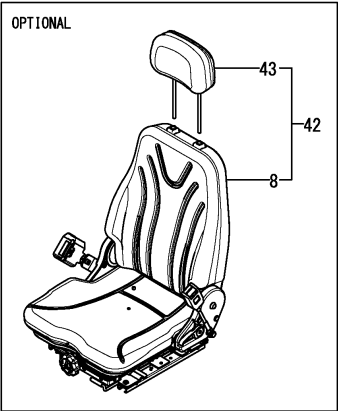
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
	(A=*2015.07.)	(B=*2015.07.)								

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.96. (43A)SEAT(U SPEC.)(FROM M54601)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



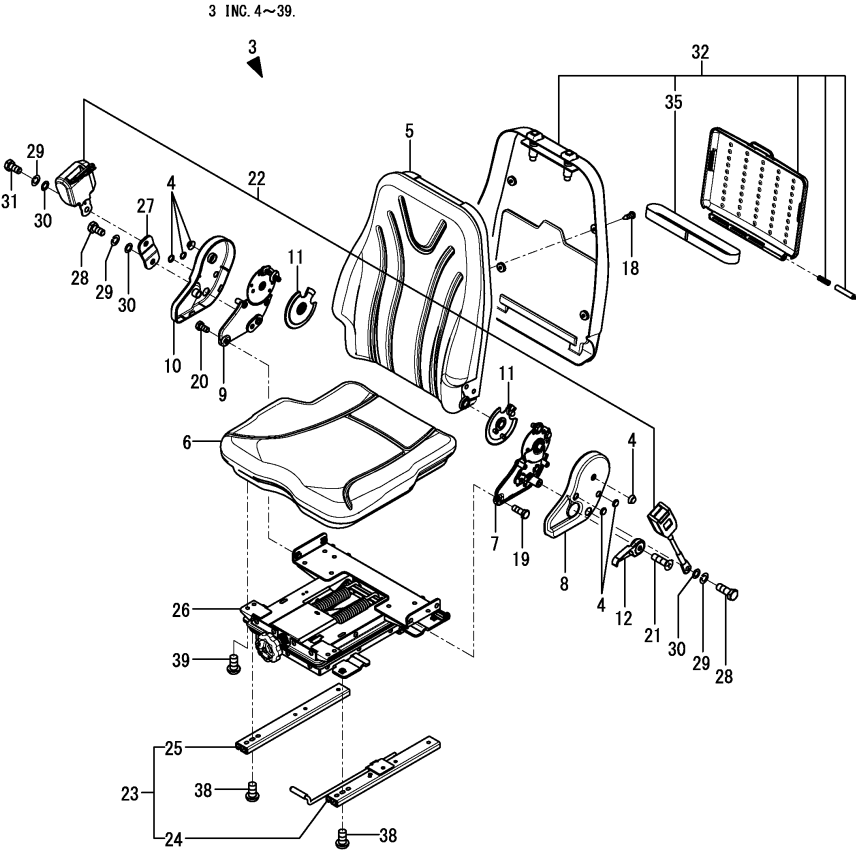
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172122-17190	CLIP, TREE	1	1						
2	1	172A21-64150	PLATE	1	1						
3	1	172A77-64610	PLATE ASSY	1	1						
5	2	172A46-64930	SPONGE	1	1						
8	1	172A89-64730	SEAT, OPERATOR	1	1						3
39	1	26013-100202	BOLT, SPRING M10X 20	4	4						
40	1	26116-100202	BOLT, M10X 20 PLATED	1	1						
41	1	26450-080162	BOLT, M8X 16	4	4						
42	1	172A69-64800	SEAT ASSY	1	1						1
43	2	172A89-64720	HEADREST	1	1						2

Remarks
(1)This attached an optional headrest to a standard seat.
(2)Optional
(3)Inner parts are shown in Fig.99(43B).

Fig.99. (43B)SEAT(INNER PARTS)(U SPEC.)(FROM M54601)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

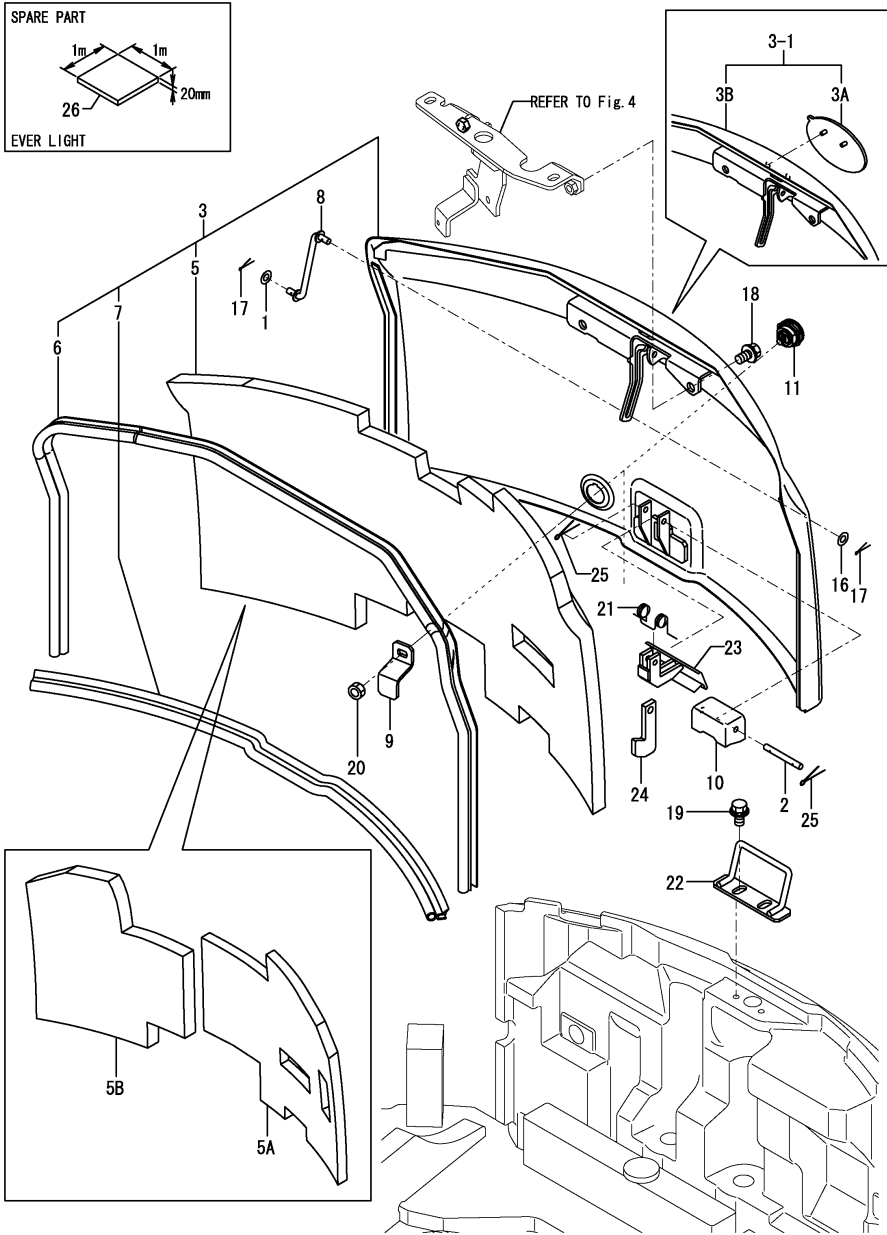
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	172A89-64730	SEAT ASSY, OPERATOR	1	1						
4	3	172A89-64760	CAP ASSY	1	1						
5	3	172A89-64770	SEAT, OPERATOR	1	1						
6	3	172A89-64780	SEAT, CUSHION	1	1						
7	3	172A89-64820	HINGE ASSY	1	1						
8	3	172A89-64830	COVER	1	1						
9	3	172A89-64840	HINGE ASSY	1	1						
10	3	172A89-64850	COVER	1	1						
11	3	172A89-64870	COVER	2	2						
12	3	172A89-64880	LEVER	1	1						
18	3	22859-500160	SCREW, 5X16	4	4						
19	3	26106-100162	BOLT, M10X 16 PLATED	4	4						
20	3	26106-100162	BOLT, M10X 16 PLATED	4	4						
21	3	26559-050202	SCREW, M5X20	1	1						
22	2	172A89-64740	SEAT BELT ASSY	1	1						
23	2	172A89-64750	RAIL ASSY	1	1						
24	3	172A89-64800	RAIL ASSY, TL	1	1						
25	3	172A89-64810	RAIL ASSY, TR	1	1						
26	2	172A89-64790	SEAT, SPRING	1	1						
27	2	172A89-64860	BRACKET ASSY	1	1						
28	2	172A89-64890	BOLT	2	2						
29	2	172A89-64900	SPRING	3	3						
30	2	172A89-64910	WASHER	3	3						
31	2	172A89-64920	BOLT	1	1						
32	2	172A89-64980	BOX ASSY, MANUAL	1	1						
35	3	172A89-64950	BAND	1	1						
38	2	26106-080162	BOLT, M8X 16 PLATED	4	4						
39	2	26106-080162	BOLT, M8X 16 PLATED	4	4						

Remarks
(1)This attached an optional headrest to a standard seat.
(2)Optional parts.

Fig.44. BONNET(1)



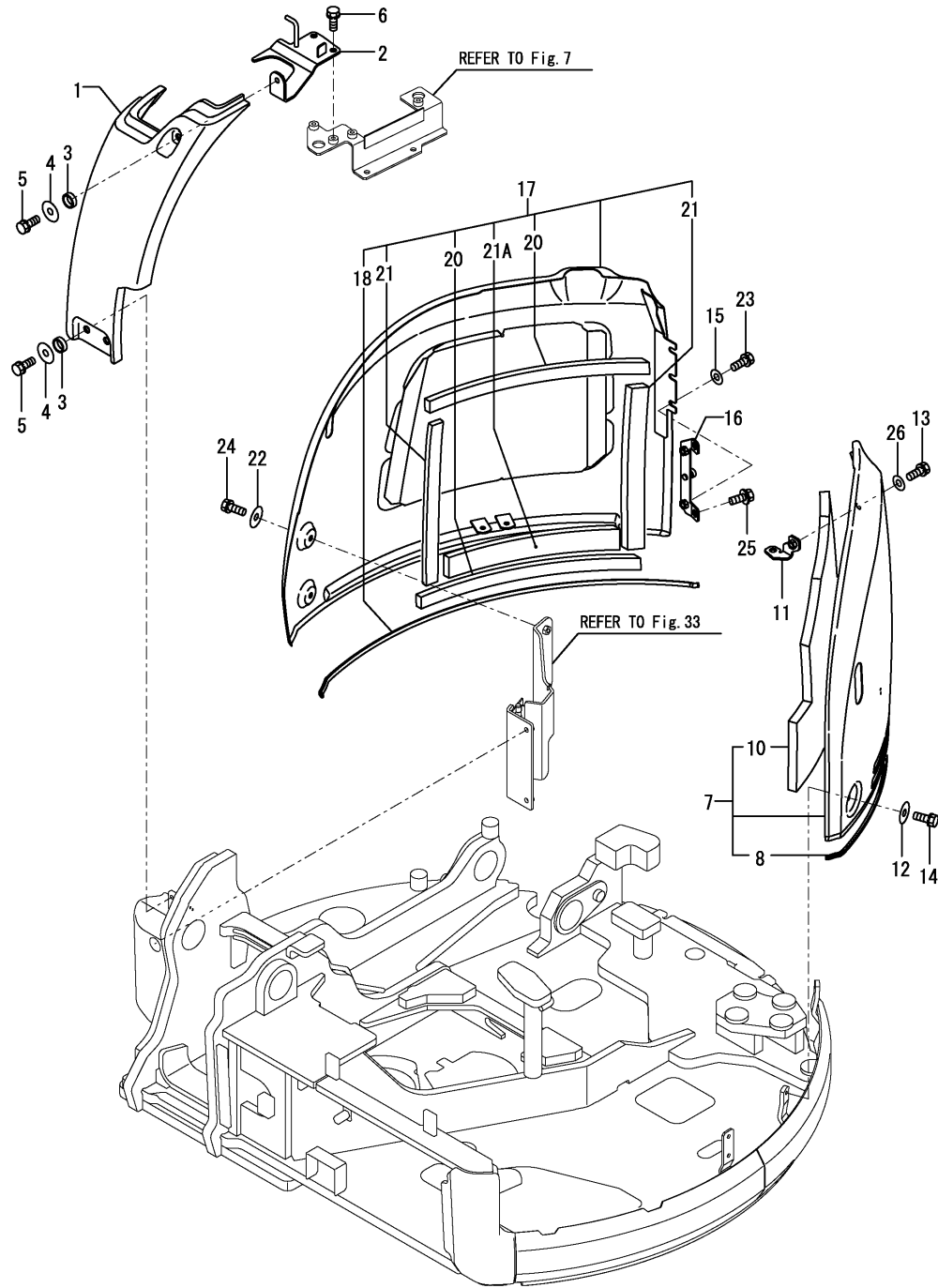
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1380-62160	WASHER	1	1						
2	1	172458-65050	SHAFT	1	1						
3	1	172A77-65100-2	BONNET ASSY	1	1						
3-1	1	172A77-65010 (A=M55001) (B=M55001)	BONNET KIT,A EMB	1	1						S
3A	2	172A77-03110 (A=M55001) (B=M55001)	EMBLEM ASSY	1	1						W
3B	2	172A77-65140 (A=M55001) (B=M55001)	BONNET ASSY,A	1	1						W
3B-1	2	172A77-65130 (A=M55001) (B=M55001)	BONNET ASSY,A	1	1						N
5	3	172A46-65170	SPONGE	1	1						
5-1	3	172A46-65171 (A=M53519) (B=M53519)	SPONGE	1	1						N
5-2	3	172A46-65171 (A=M55001) (B=M55001)	SPONGE	1	1						Z
5A	3	172A77-65170 (A=M55001) (B=M55001)	SPONGE	1	1						W 2
5B	3	172A77-65180 (A=M55001) (B=M55001)	SPONGE	1	1						W 2
6	3	172A46-65180	RUBBER, SEAL	1	1						
7	3	172989-68640	RUBBER, SEAL	1	1						
8	1	172444-65190	ROD ASSY, STOPPER	1	1						
9	1	172458-65271	PLATE, LOCK	1	1						
10	1	172458-65060	COVER, LOCK	1	1						
11	1	172164-66170	KEY ASSY, CYLINDER	1	1						
16	1	22137-080000	WASHER, 8	1	1						
17	1	22417-200200	PIN, COTTER 2.0X20	2	2						
18	1	26014-100252	BOLT, M10X 25	2	2						
19	1	26014-100252	BOLT, M10X 25	2	2						
20	1	26347-100002	NUT, M10	1	1						
21	1	172734-65270	SPRING, CATCH	1	1						
22	1	172A77-65320	CATCH ASSY, LOCK	1	1						
23	1	172124-65450	LEVER ASSY, LOCK	1	1						
24	1	172124-65480	CATCHER	1	1						
25	1	22417-200200	PIN, COTTER 2.0X20	2	2						
26	1	172478-65750	SPONGE	1	1						1

Remarks
(1)REPAIR PARTS.
(2)Interchangeable by simultaneous replacement with Ref.No.5A,5B.

Fig.45. BONNET(2)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-65460	BONNET	1	1						
1-1	1	172A77-65420	BONNET,B Y	1	1						S
		(A=M55001) (B=M55001)									
2	1	172A46-65532	PLATE ASSY	1	1						
3	1	172A47-65550	COLLAR	3	3						
4	1	22157-100000	WASHER, 10	3	3						
5	1	26013-100252	BOLT, M10X 25	3	3						
6	1	26013-100252	BOLT, M10X 25	2	2						
7	1	172A46-65600-2	BONNET ASSY	1	1						
7-1	1	172A46-65601-2	BONNET ASSY	1	1						N
		(A=FROM 1ST) (B=FROM 1ST)									
7-2	1	172A46-65601-Y	BONNET ASSY	1	1						S
		(A=M55001) (B=M55001)									
8	2	172460-19180	TRIM	1	1						
10	2	172A46-65650	SPONGE	1	1						
10-1	2	172A46-65651	SPONGE	1	1						N
		(A=FROM 1ST) (B=FROM 1ST)									
11	1	172A46-65671	STAY, BONNET	1	1						
12	1	22157-100000	WASHER, 10	2	2						
13	1	26013-100252	BOLT, M10X 25	2	2						
14	1	26013-100252	BOLT, M10X 25	2	2						
15	1	172458-61261	WASHER	2	2						
16	1	172A46-65010	BRACKET ASSY	1	1						
17	1	172A46-65800-2	BONNET ASSY	1	1						
17-1	1	172A46-65801-2	BONNET ASSY	1	1						N
		(A=FROM 1ST) (B=FROM 1ST)									
17-2	1	172A46-65801-Y	BONNET ASSY	1	1						S
		(A=M55001) (B=M55001)									
18	2	172480-62900	TRIM	1	1						
20	2	172A46-65940	SEAL, BONNET	2	2						
21	2	172A46-65950	SEAL, BONNET	2	2						
21A	2	172A77-65810	SPONGE	1	1						W
		(A=FROM 1ST) (B=FROM 1ST)									
22	1	22157-100000	WASHER, 10	2	2						
23	1	26013-100202	BOLT, M10X 20	2	2						
24	1	26013-100252	BOLT, M10X 25	2	2						
25	1	26014-100202	BOLT, M10X 20	2	2						
26	1	172458-61261	WASHER	1	1						W
		(A=MZZZZZ) (B=MZZZZZ)									

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-05250	WASHER	6	6						
2	1	172A47-54610	CLIP, ANCHOR	1	1						
3	1	172183-65530	RUBBER, SEAL	1	1						
4	1	172A47-67090	CANOPY ASSY, TOPS	1	1						
5	1	172A47-67100	ROOF ASSY, CANOPY	1	1						
6	1	22217-160000	WASHER, SPRING 16	6	6						
7	1	26076-160402	BOLT, 10.916X 40	6	6						
8	1	26116-120302	BOLT, M12X 30 PLATED	4	4						
9	1	26116-120402	BOLT, M12X 40 PLATED	2	2						
10	1	172480-54150	PLUG	2	2						

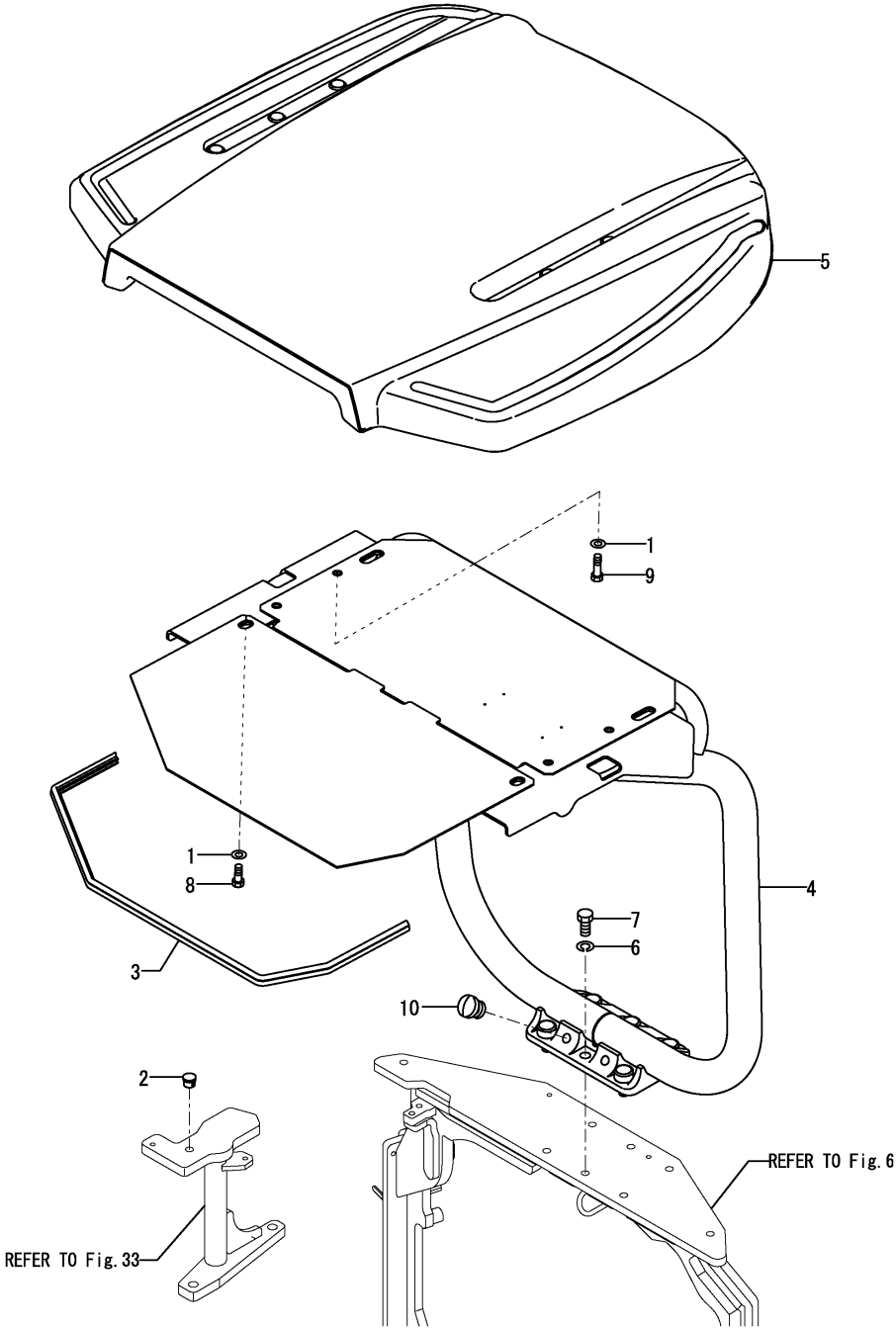
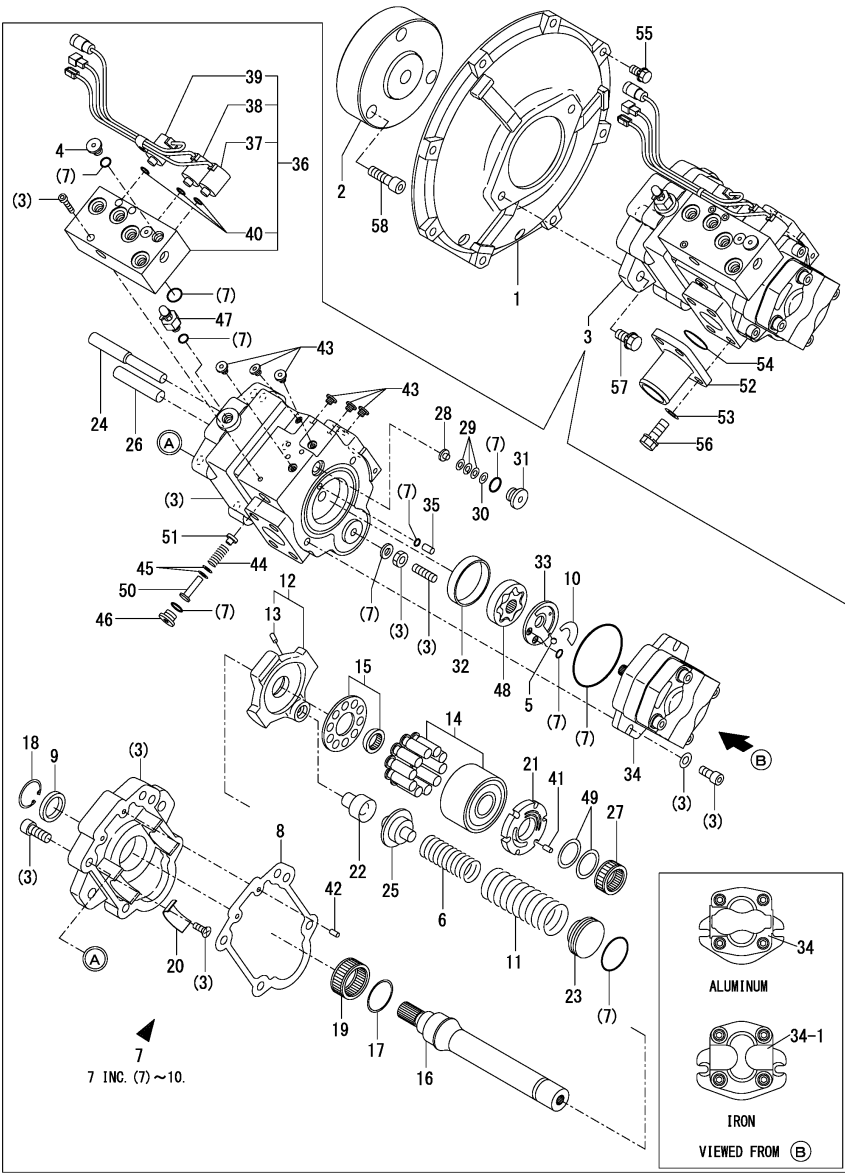


Fig.47. HYD.OIL PUMP & JOINT

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



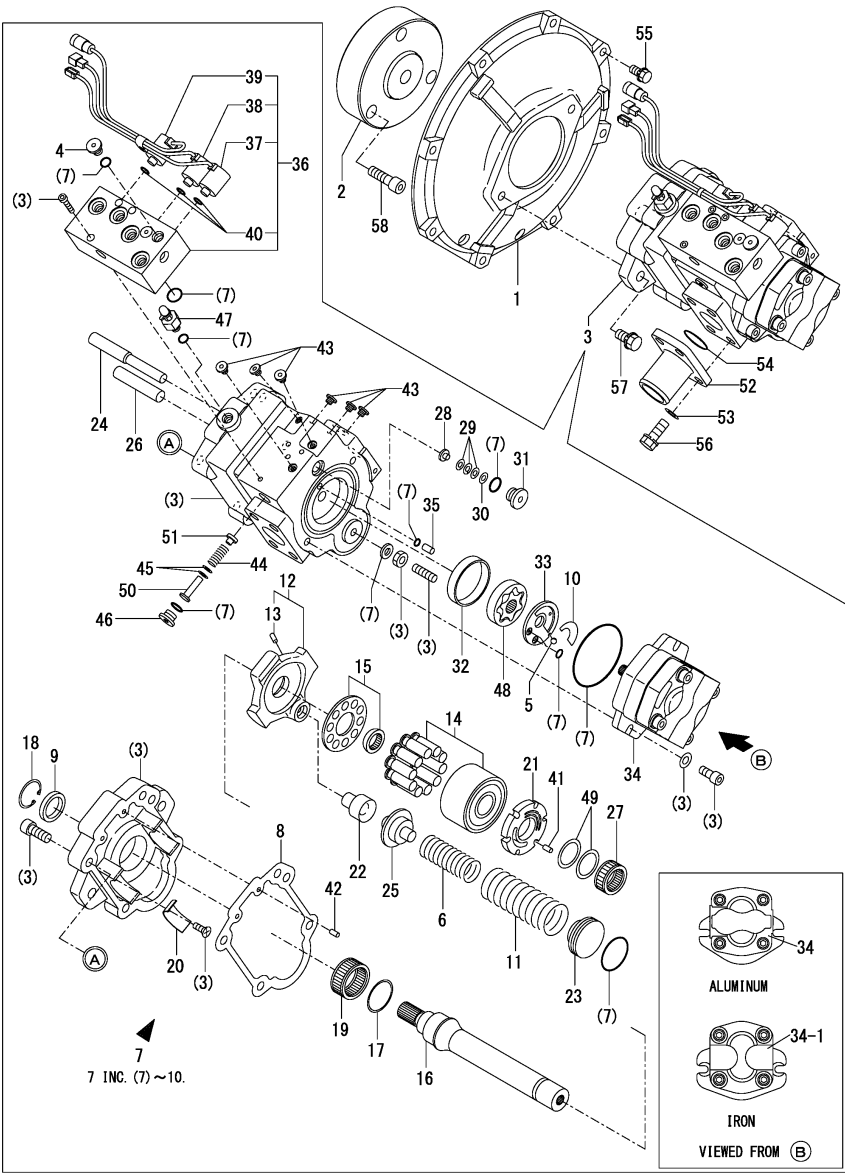
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-71101-4	COVER, FLYWHEEL	1	1						
2	1	172165-71200	COUPLING	1	1						
3	1	172A46-73151	PUMP ASSY, ENGINE	1	1						
4	2	172148-70301	PLUG	1	1						
5	2	172122-70350	BALL, STEEL	1	1						
6	2	172A46-73110	SPRING	1	1						
7	2	172460-73111	SEAL SET	1	1						
8	3	172460-73170	GASKET	1	1						
9	3	172460-73190	SEAL, OIL	1	1						
10	3	172460-73400	O-RING	1	1						
11	2	172461-73110	SPRING	1	1						
12	2	172A46-73120	PLATE, SWASH	1	1						
13	3	172312-74790	ORIFICE	1	1						
14	2	172460-73121	BLOCK KIT, CYLINDER	1	1						
15	2	172460-73130	RETAINER KIT	1	1						
16	2	172460-73150	SHAFT	1	1						
17	2	172460-73160	WASHER, THRUST	1	1						
18	2	172460-73180	RING, SNAP	1	1						
19	2	172460-73200	BEARING, NEEDLE	1	1						
20	2	172460-73210	BUSH	2	2						
21	2	172460-73231	PLATE, VALVE	1	1						
22	2	172460-73240	HOLDER	1	1						
23	2	172461-73270	SEAT, SPRING	1	1						
24	2	172460-73280	PIN	1	1						
25	2	172176-73290	SEAT, SPRING	1	1						
26	2	172460-73290	PIN	1	1						
27	2	172460-73330	BEARING, NEEDLE	1	1						
28	2	172460-73340	STOPPER	1	1						
29	2	172460-73350	SPRING, DISK	3	3						
30	2	172460-73360	WASHER	1	1						
31	2	172460-73370	PLUG	1	1						
32	2	172460-73380	BUSH	1	1						
33	2	172460-73390	PLATE	1	1						
34	2	172460-73410	PUMP, GEAR	1	1						
34-1	2	172A46-73200	REPAIR KIT,GEAR PUMP	1	1						N
(A=FROM 1ST) (B=FROM 1ST)											
34-2	2	172A46-73240	PUMP ASSY, GEAR	1	1						N 4
(A=M57564) (B=M57564)											
35	2	172460-73420	PIN	1	1						
36	2	172960-73430	VALVE	1	1						
37	3	172460-73900	VALVE, SOLENOID	1	1						1
38	3	172460-73910	VALVE, SOLENOID	1	1						2
39	3	172460-73920	VALVE, SOLENOID	1	1						3
40	3	24352-190110	O-RING, 219011	3	3						
41	2	172122-73480	PIN	1	1						
42	2	172122-73480	PIN	2	2						
43	2	172452-73480	PLUG	6	6						
44	2	172176-73560	SPRING	1	1						
45	2	172176-73590	SHIM	2	2						
46	2	172176-73600	PLUG	1	1						
47	2	172176-73690	BREEDER, AIR	1	1						

Remarks
(1)For safety lock.
(2)For second gear traveling.
(3)For quick coupler.
(4)No.34-1 : Iron, No.34-2 : Aluminum.

Fig.47. HYD.OIL PUMP & JOINT

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



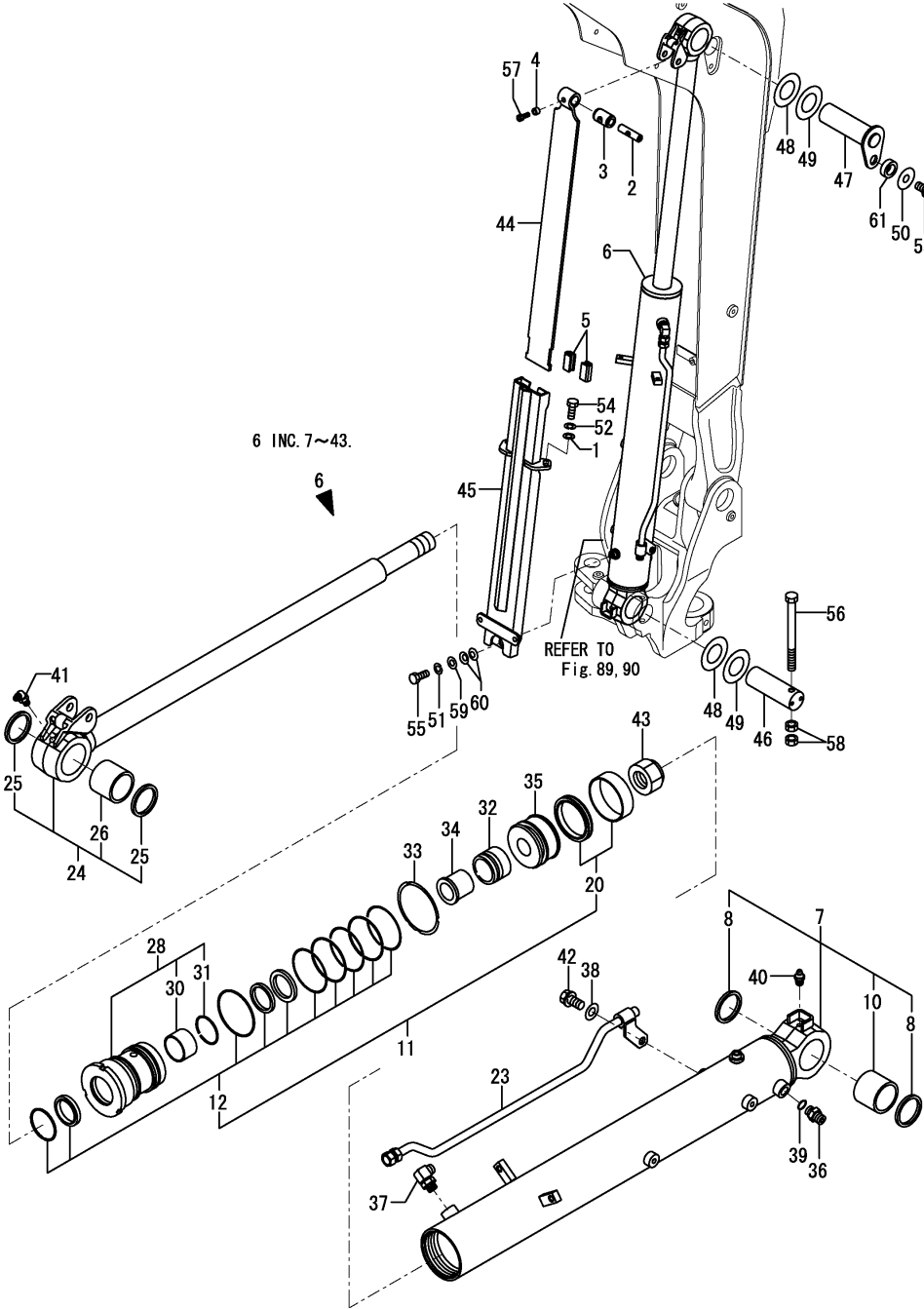
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	2	172176-73880	PUMP ASSY, TROCHOID	1	1						
49	2	172176-73910	WASHER, THRUST	2	2						
50	2	172176-73930	PIN	1	1						
51	2	172176-73940	POPPET	1	1						
52	1	172165-76860	FLANGE	1	1						
53	1	22117-120000	WASHER, 12	4	4						
54	1	24321-000450	O-RING, 1AG45.0	1	1						
55	1	26013-100302	BOLT, SPRING M10X 30	8	8						
56	1	26013-120302	BOLT, SPRING M12X 30	4	4						
57	1	26013-120352	BOLT, SPRING M12X 35	2	2						
58	1	26450-120402	BOLT, M12X 40	3	3						

Remarks
(1)For safety lock.
(2)For second gear traveling.
(3)For quick coupler.
(4)No.34-1 : Iron, No.34-2 : Aluminum.

Fig.48. BOOM CYLINDER

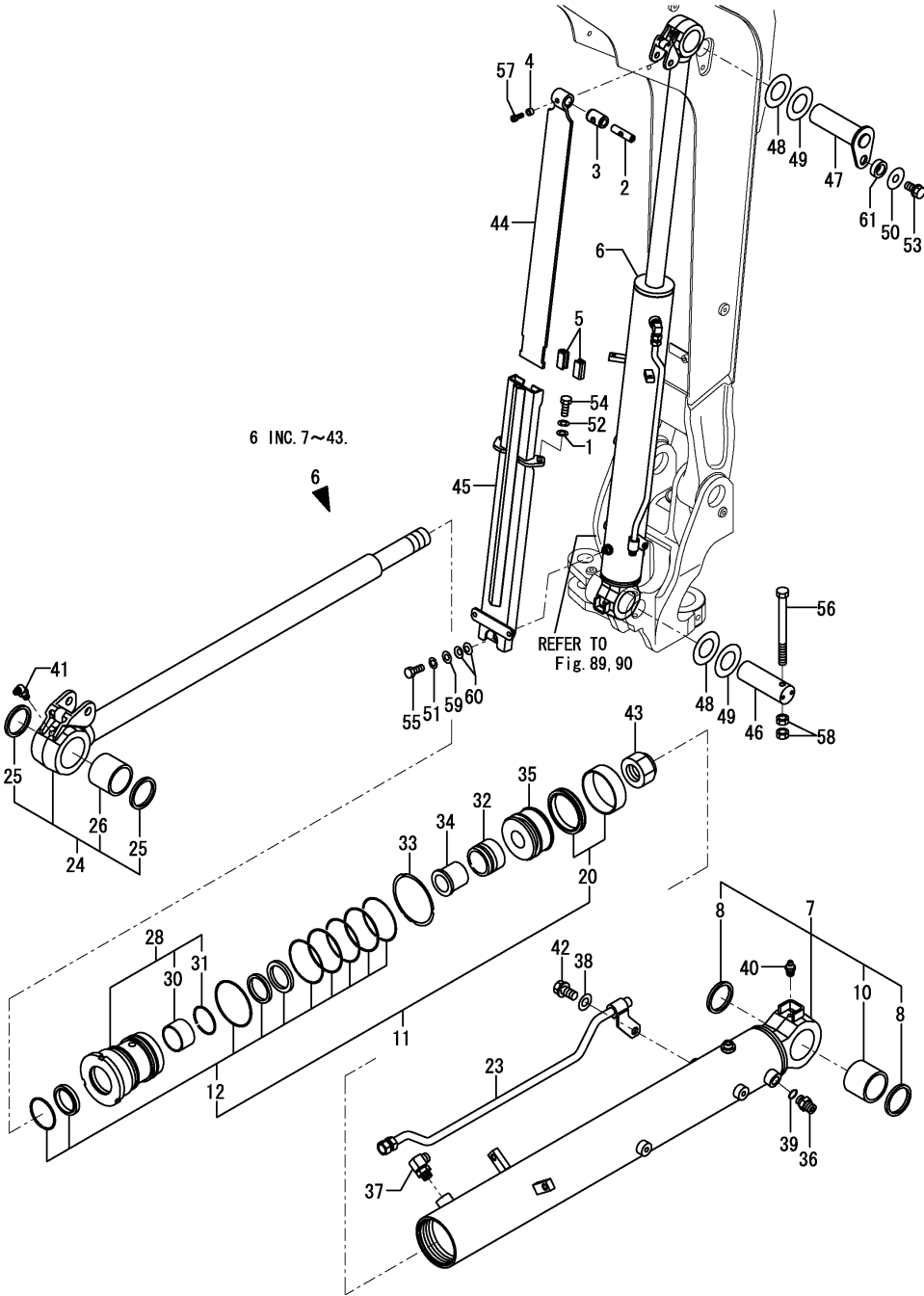
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-46042	SEAT, SPRING	2	2						
2	1	172A23-72043	SHAFT	1	1						
3	1	172A23-72052	GROMMET	1	1						
4	1	172A46-72070	SPACER	1	1						
5	1	172A23-72081	GUIDE, SLIDE	2	2						
6	1	172A46-72101-2	CYLINDER ASSY, BOOM	1	1						
6-1	1	172A46-72101-N	CYLINDER ASSY, BOOM	1	1						S
(A=M55001) (B=M55001)											
7	2	172A46-72110-2	TUBE, BOOM	1	1						
7-1	2	172A46-72110-N	TUBE, BOOM	1	1						S
(A=M55001) (B=M55001)											
8	3	172448-54120	SEAL, DUST	2	2						
10	3	172458-72130	BUSH	1	1						
11	2	172A46-72140	SEAL SET, CYLINDER	1	1						
12	3	172A46-72150	SEAL SET, HEAD	1	1						
20	3	172444-72951	SEAL SET, PISTON	1	1						
23	2	172A46-72170-2	PIPE ASSY, BOOM	1	1						
23-1	2	172A46-72170-N	PIPE ASSY, BOOM	1	1						S
(A=M55001) (B=M55001)											
24	2	172A46-72201	ROD ASSY, BOOM	1	1						
25	3	172448-54120	SEAL, DUST	2	2						
26	3	172458-72130	BUSH	1	1						
28	2	172A46-72250	HEAD ASSY	1	1						
30	3	24550-045300	BUSH, 45X30	1	1						
31	3	933111-26600	RING, SPRING	1	1						
32	2	172458-72260	PLUNGER, CUSHION	1	1						
33	2	172146-72270	WASHER, LOCK	1	1						
34	2	172458-72290	COLLAR, CUSHION	1	1						
35	2	172444-72441	PISTON	1	1						
36	2	172730-75141	ADAPTER	1	1						
37	2	172142-76181	JOINT ASSY	1	1						
38	2	22137-100000	WASHER, 10	1	1						
39	2	24315-000140	O-RING, 1BP14.0	1	1						
40	2	24761-020000	NIPPLE, GREASE PT1/8	1	1						
41	2	24761-040000	NIPPLE, GREASE B	1	1						
42	2	26013-100202	BOLT, M10X 20	1	1						
43	2	933111-20200	NUT	1	1						
44	1	172A47-72881-2	PLATE, SLIDE	1	1						
44-1	1	172A47-72881-N	PLATE, SLIDE	1	1						S
(A=M55001) (B=M55001)											
45	1	172A46-72950-2	GUIDE ASSY	1	1						
45-1	1	172A46-72950-N	GUIDE ASSY	1	1						S
(A=M55001) (B=M55001)											
46	1	172458-81831	PIN	1	1						
47	1	172A46-81910	PIN ASSY	1	1						
48	1	172165-82520	SHIM	2	2						
49	1	172165-82530	SHIM	2	2						
50	1	22157-120000	WASHER, 12	1	1						
51	1	22217-100000	WASHER, SPRING 10	1	1						
52	1	22217-100000	WASHER, SPRING 10	2	2						
53	1	26013-120252	BOLT, M12X 25	1	1						

Fig.48. BOOM CYLINDER

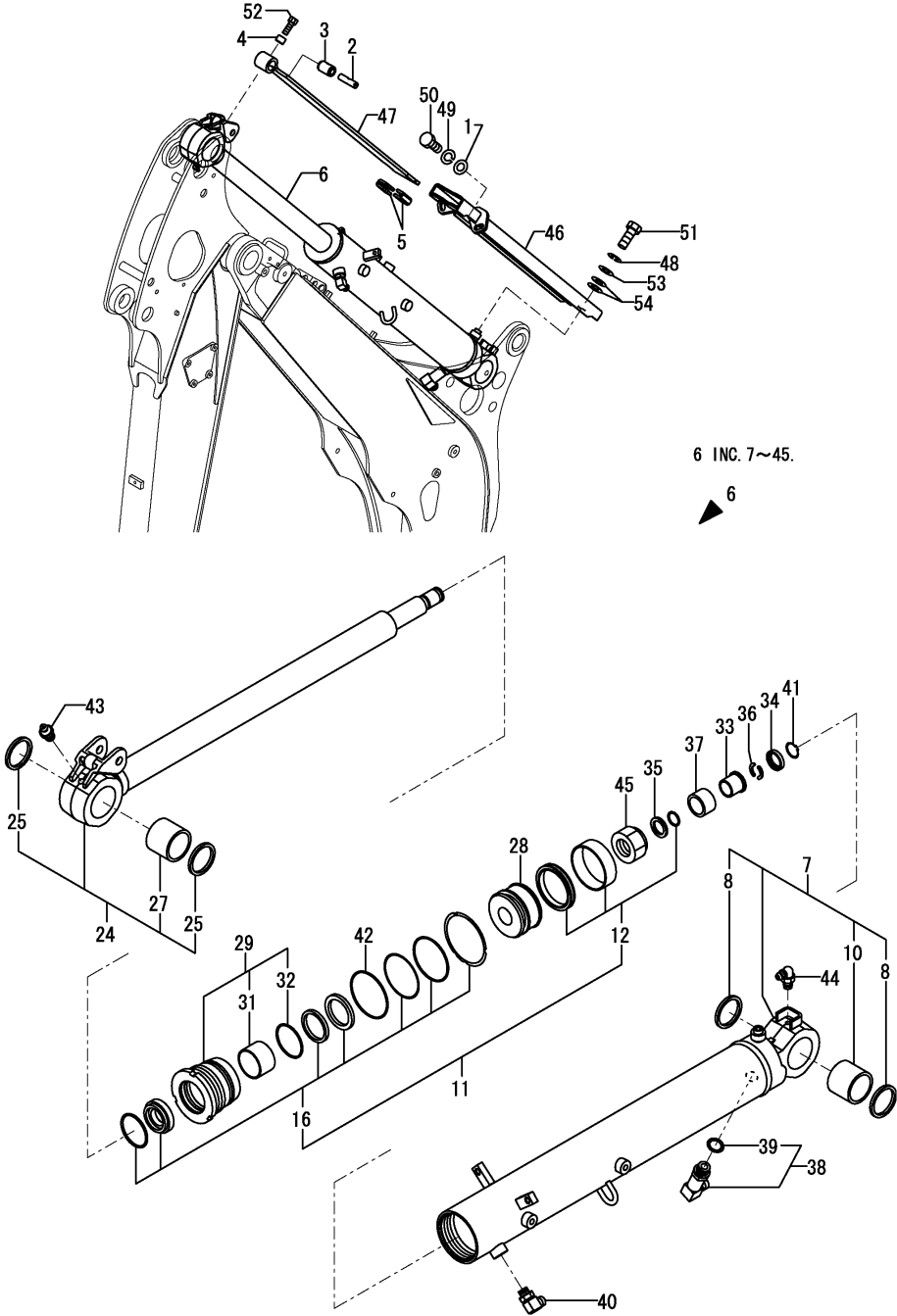


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
54	1	26076-100202	BOLT, 10.910X 20	2	2						
55	1	26116-100162	BOLT, M10X 16 PLATED	1	1						
56	1	26116-121402	BOLT, M12X165 PLATED	1	1						
57	1	172A47-72840	BOLT	1	1						
58	1	26716-120002	NUT, M12	2	2						
59	1	933147-03400	WASHER, BRAKE ARM	1	1						
60	1	933168-14170	SPRING	2	2						
61	1	172A85-81350	SPACER, BOOM	1	1						

Fig.49. ARM CYLINDER

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

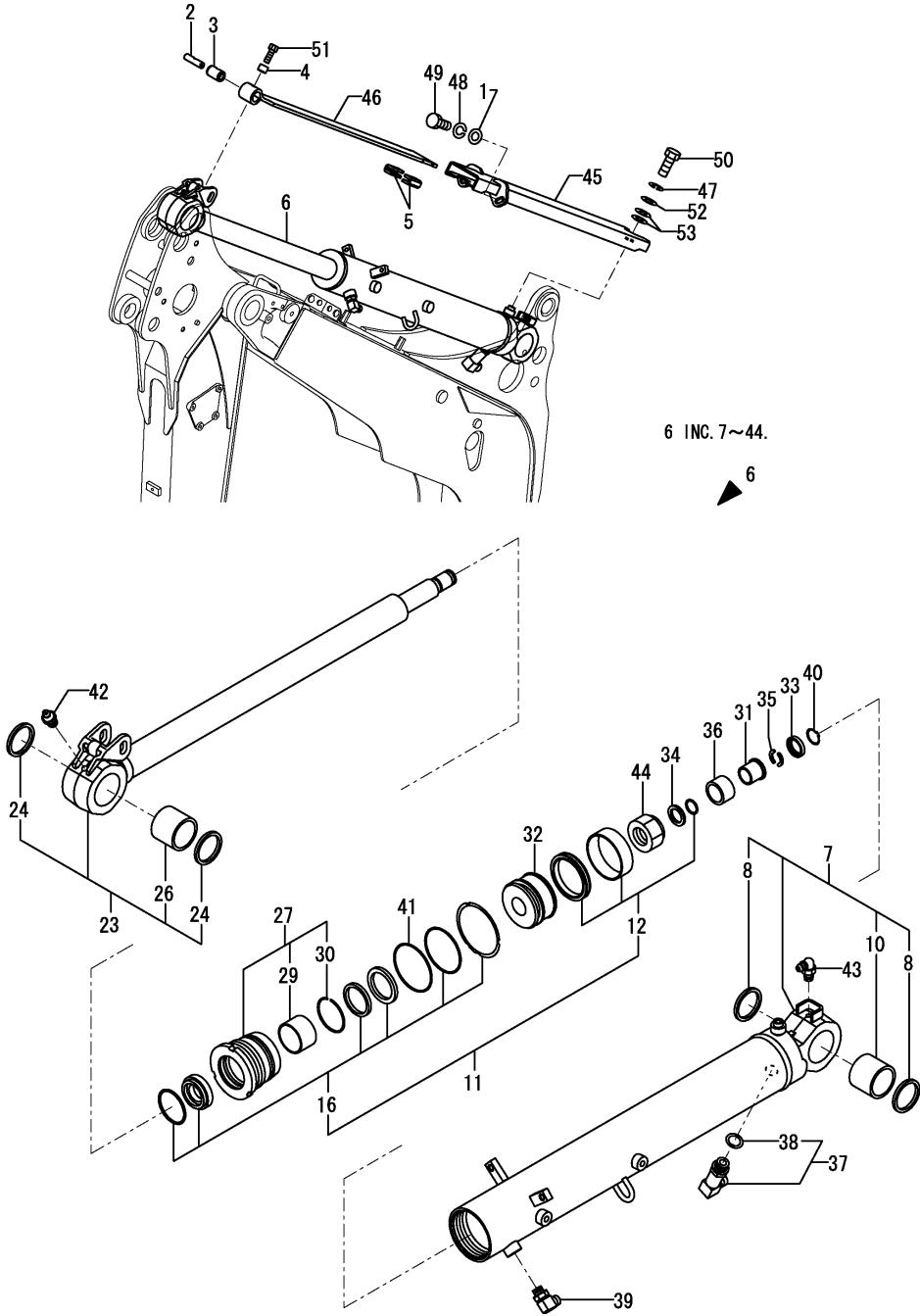


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-46042	SEAT, SPRING	2							
2	1	172A23-72043	SHAFT	1							
3	1	172A23-72052	GROMMET	1							
4	1	172A46-72070	SPACER	1							
5	1	172A23-72081	GUIDE, SLIDE	2							
6	1	172A46-72301-2	CYLINDER ASSY, ARM	1							
6-1	1	172A46-72301-N	CYLINDER ASSY, ARM	1							S
(A=M55001)											
7	2	172A46-72310-2	TUBE, ARM	1							
7-1	2	172A46-72310-N	TUBE, ARM	1							S
(A=M55001)											
8	3	172448-54120	SEAL, DUST	2							
10	3	172151-72591	BUSH	1							
11	2	172A46-72340	SEAL SET, CYLINDER	1							
12	3	172461-72020	SEAL SET, PISTON	1							
16	3	172A46-72360	SEAL SET, HEAD	1							
24	2	172A46-72401	ROD ASSY, ARM	1							
25	3	172448-54120	SEAL, DUST	2							
27	3	172151-72591	BUSH	1							
28	2	172444-72441	PISTON	1							
29	2	172A46-72450	HEAD ASSY	1							
31	3	172151-72540	BUSH, ROD	1							
32	3	933125-94500	RING, SPRING	1							
33	2	172458-72460	COLLAR, CUSHION	1							
34	2	172458-72470	COVER, STOPPER	1							
35	2	172423-72530	SPACER	1							
36	2	172423-72540	STOPPER	2							
37	2	172460-72941	PLUNGER, CUSHION	1							
38	2	172524-76110	ELBOW	1							
39	3	24315-000180	O-RING, 1BP18.0	1							
40	2	172142-76181	JOINT ASSY	1							
41	2	22242-000260	RING, 26	1							
42	2	24325-000850	O-RING, 1BG85.0	1							
43	2	24761-020000	NIPPLE, GREASE PT1/8	1							
44	2	24761-050000	NIPPLE, GREASE C	1							
45	2	933111-20200	NUT	1							
46	1	172A47-72850-2	GUIDE ASSY	1							
46-1	1	172A47-72850-N	GUIDE ASSY	1							S
(A=M55001)											
47	1	172A47-72881-2	PLATE, SLIDE	1							
47-1	1	172A47-72881-N	PLATE, SLIDE	1							S
(A=M55001)											
48	1	22217-100000	WASHER, SPRING 10	1							
49	1	22217-100000	WASHER, SPRING 10	2							
50	1	26076-100202	BOLT, 10.910X 20	2							
51	1	26116-100162	BOLT, M10X 16 PLATED	1							
52	1	172A47-72840	BOLT	1							
53	1	933147-03400	WASHER, BRAKE ARM	1							
54	1	933168-14170	SPRING	2							

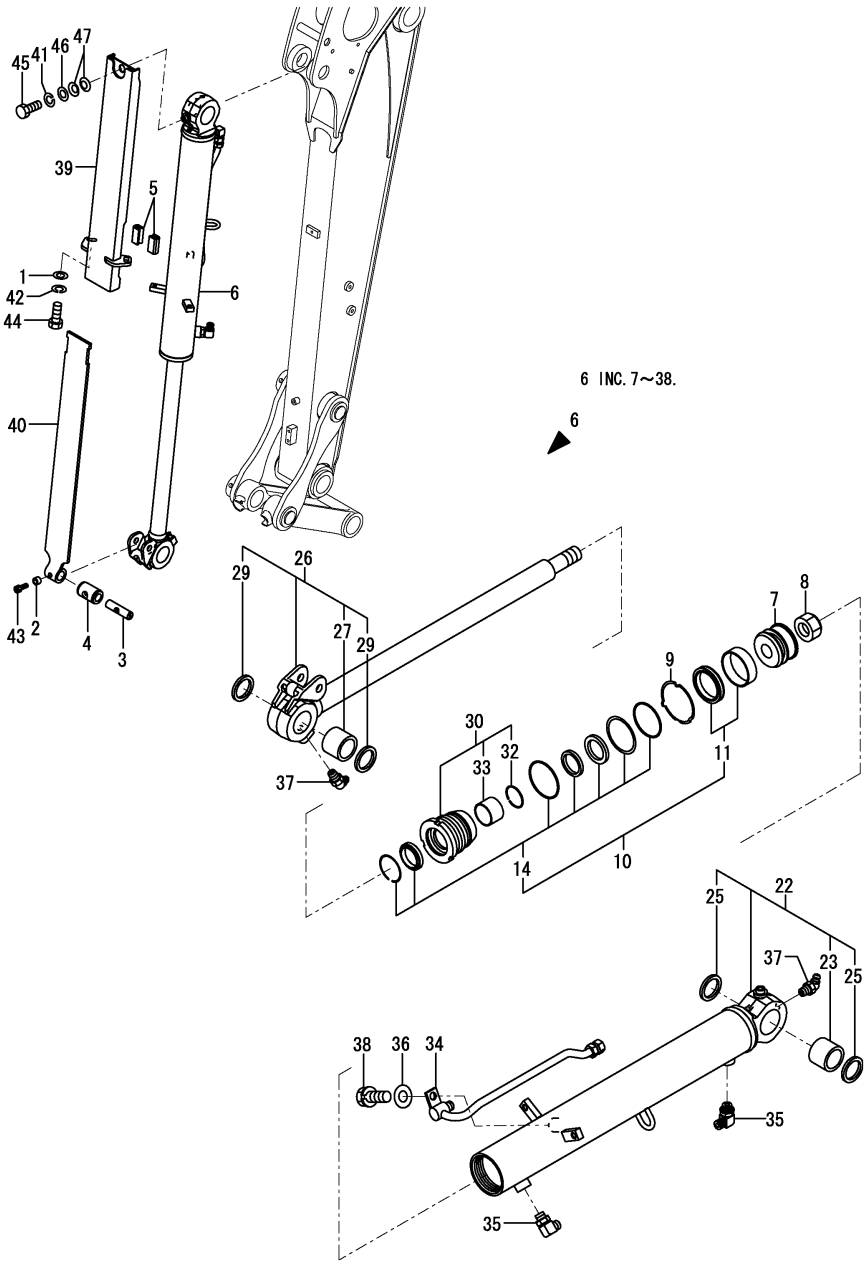
Fig.50. ARM CYLINDER(30B)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-46042	SEAT, SPRING		2						
2	1	172A23-72043	SHAFT		1						
3	1	172A23-72052	GROMMET		1						
4	1	172A46-72070	SPACER		1						
5	1	172A23-72081	GUIDE, SLIDE		2						
6	1	172A45-72300-2	CYLINDER ASSY, ARM		1						
6-1	1	172A45-72300-N (B=M55001)	CYLINDER ASSY, ARM		1						S
7	2	172A45-72310-2	TUBE, ARM		1						
7-1	2	172A45-72310-N (B=M55001)	TUBE, ARM		1						S
8	3	172448-54120	SEAL, DUST		2						
10	3	172151-72591	BUSH		1						
11	2	172A45-72390	SEAL SET, CYLINDER		1						
12	3	172458-72021	SEAL SET, PISTON		1						
16	3	172A45-72910	SEAL SET, HEAD		1						
23	2	172A45-72400	ROD ASSY, ARM		1						
24	3	172448-54120	SEAL, DUST		2						
26	3	172151-72591	BUSH		1						
27	2	172A45-72450	HEAD ASSY		1						
29	3	172151-72540	BUSH, ROD		1						
30	3	933125-94500	RING, SPRING		1						
31	2	172458-72460	COLLAR, CUSHION		1						
32	2	172422-72470	PISTON		1						
33	2	172458-72470	COVER, STOPPER		1						
34	2	172423-72530	SPACER		1						
35	2	172423-72540	STOPPER		2						
36	2	172460-72941	PLUNGER, CUSHION		1						
37	2	172524-76110	ELBOW		1						
38	3	24315-000180	O-RING, 1BP18.0		1						
39	2	172142-76181	JOINT ASSY		1						
40	2	22242-000260	RING, 26		1						
41	2	24325-000800	O-RING, 1BG80.0		1						
42	2	24761-020000	NIPPLE, GREASE PT1/8		1						
43	2	24761-050000	NIPPLE, GREASE C		1						
44	2	933111-20200	NUT		1						
45	1	172A47-72850-2	GUIDE ASSY		1						
45-1	1	172A47-72850-N (B=M55001)	GUIDE ASSY		1						S
46	1	172A47-72881-2	PLATE, SLIDE		1						
46-1	1	172A47-72881-N (B=M55001)	PLATE, SLIDE		1						S
47	1	22217-100000	WASHER, SPRING 10		1						
48	1	22217-100000	WASHER, SPRING 10		2						
49	1	26076-100202	BOLT, 10.910X 20		2						
50	1	26116-100162	BOLT, M10X 16 PLATED		1						
51	1	172A47-72840	BOLT		1						
52	1	933147-03400	WASHER, BRAKE ARM		1						
53	1	933168-14170	SPRING		2						



(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

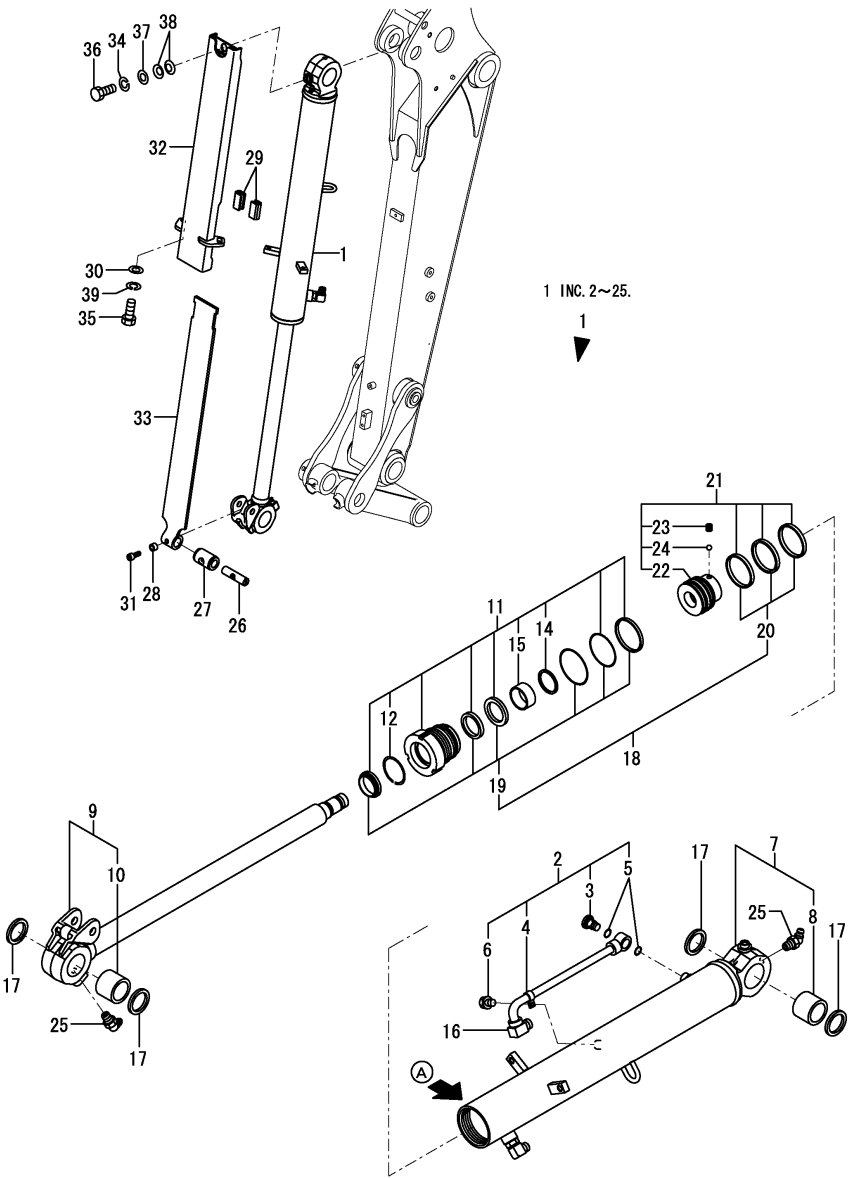
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-46042	SEAT, SPRING	2	2						
2	1	172A46-72070	SPACER	1	1						
3	1	172A23-72043	SHAFT	1	1						
4	1	172A23-72052	GROMMET	1	1						
5	1	172A23-72081	GUIDE, SLIDE	2	2						
6	1	172A46-72502-2	CYLINDER ASSY	1	1						
6-1	1	172A46-72502-N	CYLINDER ASSY	1	1					S	1
		(A=M55001) (B=M55001)									
7	2	172456-72190	PISTON	1	1						
7-1	2	172456-72190-N	PISTON	1	1					S	
		(A=M55001) (B=M55001)									
8	2	172141-72250	NUT	1	1						
9	2	172141-72420	WASHER, LOCK	1	1						
10	2	172A46-72470	SEAL SET, CYLINDER	1	1						
11	3	172460-72070	SEAL SET, PISTON	1	1						
14	3	172A46-72590	SEAL SET, HEAD	1	1						
22	2	172A46-72511-2	TUBE, BUCKET	1	1						
23	3	172168-72240	BUSH	1	1						
25	3	172168-81270	SEAL, DUST	2	2						
26	2	172A46-72541	ROD ASSY, BUCKET	1	1						
27	3	172168-72240	BUSH	1	1						
29	3	172168-81270	SEAL, DUST	2	2						
30	2	172A46-72570	HEAD ASSY	1	1						
32	3	172141-73090	RING, SPRING	1	1						
33	3	24550-040300	BUSH, 40X30	1	1						
34	2	172A46-72601-2	PIPE ASSY, BUCKET	1	1						
34-1	2	172A46-72601-N	PIPE ASSY, BUCKET	1	1					S	
		(A=M55001) (B=M55001)									
35	2	172142-76181	JOINT ASSY	2	2						
36	2	22137-100000	WASHER, 10	1	1						
37	2	24761-040000	NIPPLE, GREASE B	2	2						
38	2	26013-100202	BOLT, M10X 20	1	1						
39	1	172A25-72900-2	GUIDE ASSY	1	1						
39-1	1	172A25-72900-N	GUIDE ASSY	1	1					S	
		(A=M55001) (B=M55001)									
40	1	172A25-72951-2	PLATE, SLIDE	1	1						
40-1	1	172A25-72951-N	PLATE, SLIDE	1	1					S	
		(A=M55001) (B=M55001)									
41	1	22217-100000	WASHER, SPRING 10	1	1						
42	1	22217-100000	WASHER, SPRING 10	2	2						
43	1	172A47-72840	BOLT	1	1						
44	1	26076-100202	BOLT, 10.910X 20	2	2						
45	1	26116-100162	BOLT, M10X 16 PLATED	1	1						
46	1	933147-03400	WASHER, BRAKE ARM	1	1						
47	1	933168-14170	SPRING	2	2						

Remarks
(1)Interchangeable by Fig.98(51A) No.1.

Fig.98. (51A)BUCKET CYLINDER(K SPEC.)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

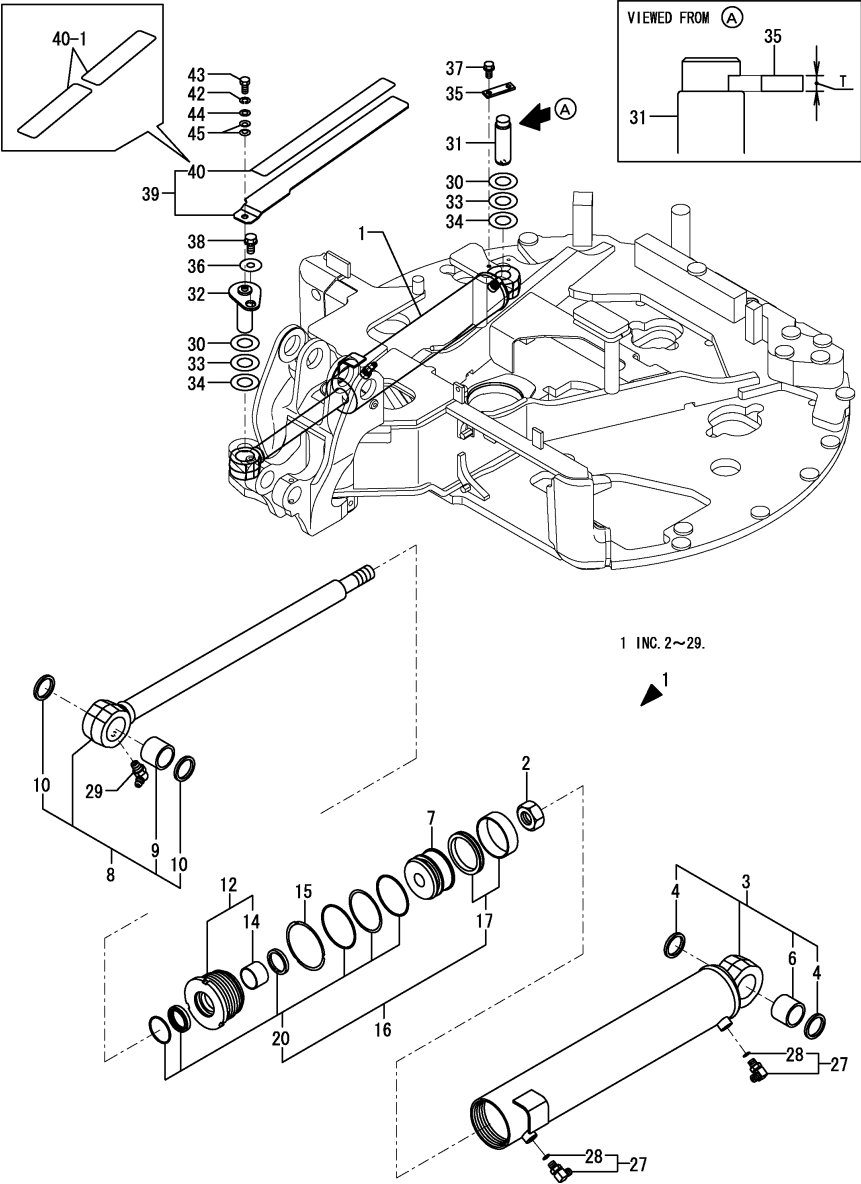


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A86-70700-N	CYLINDER ASSY,BT	1	1						
2	2	172A23-70600	PLUG ASSY	1	1						
3	3	172A23-70610	PLUG	1	1						
4	3	172A23-70620	HOLDER, PIPE	1	1						
5	3	24315-350220	O-RING, 1BP22A	2	2						
6	3	26013-080162	BOLT, M8X 16	1	1						
7	2	172A86-70710-N	TUBE ASSY	1	1						
8	3	172168-72240	BUSH	1	1						
9	2	172A86-70730	ROD ASSY	1	1						
10	3	172168-72240	BUSH	1	1						
11	2	172A86-70740	HEAD ASSY	1	1						
12	3	172A23-70210	RING, RETAINING	1	1						
14	3	172A86-70760	RING, SNAP	1	1						
15	3	172A23-71460	BEARING, SLEEVE	1	1						
16	2	172A86-70770	PIPE ASSY	1	1						
17	2	172168-81270	SEAL, DUST	4	4						
18	2	172A86-70790	SEAL KIT	1	1						
19	3	172A86-70800	SEAL KIT, HEAD	1	1						
20	3	172B04-72690	SEAL SET,PISTON 70	1	1						
21	2	172A23-71470	PISTON ASSY	1	1						
22	3	172A23-71480	PISTON	1	1						
23	3	172A79-72870	SCREW,M8	1	1						
24	3	24190-070002	BALL, STEEL 7/32	1	1						
25	2	24761-040000	NIPPLE, GREASE B	2	2						
26	1	172A23-72043	SHAFT	1	1						
27	1	172A23-72052	GROMMET	1	1						
28	1	172A46-72070	SPACER	1	1						
29	1	172A23-72081	GUIDE, SLIDE	2	2						
30	1	172A79-72570	WASHER	2	2						
31	1	172A47-72840	BOLT	1	1						
32	1	172A25-72900-N	GUIDE ASSY	1	1						
33	1	172A25-72951-N	PLATE, SLIDE	1	1						
34	1	22217-100000	WASHER, SPRING 10	1	1						
35	1	26076-100252	BOLT, 10.910X 25	2	2						
36	1	26116-100162	BOLT, M10X 16 PLATED	1	1						
37	1	933147-03400	WASHER, BRAKE ARM	1	1						
38	1	933168-14170	SPRING	2	2						
39	1	22217-100000	WASHER, SPRING 10	2	2						

Remarks

* A : There is serial No.(172A86-70700).

Fig.52. SWING CYLINDER



(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

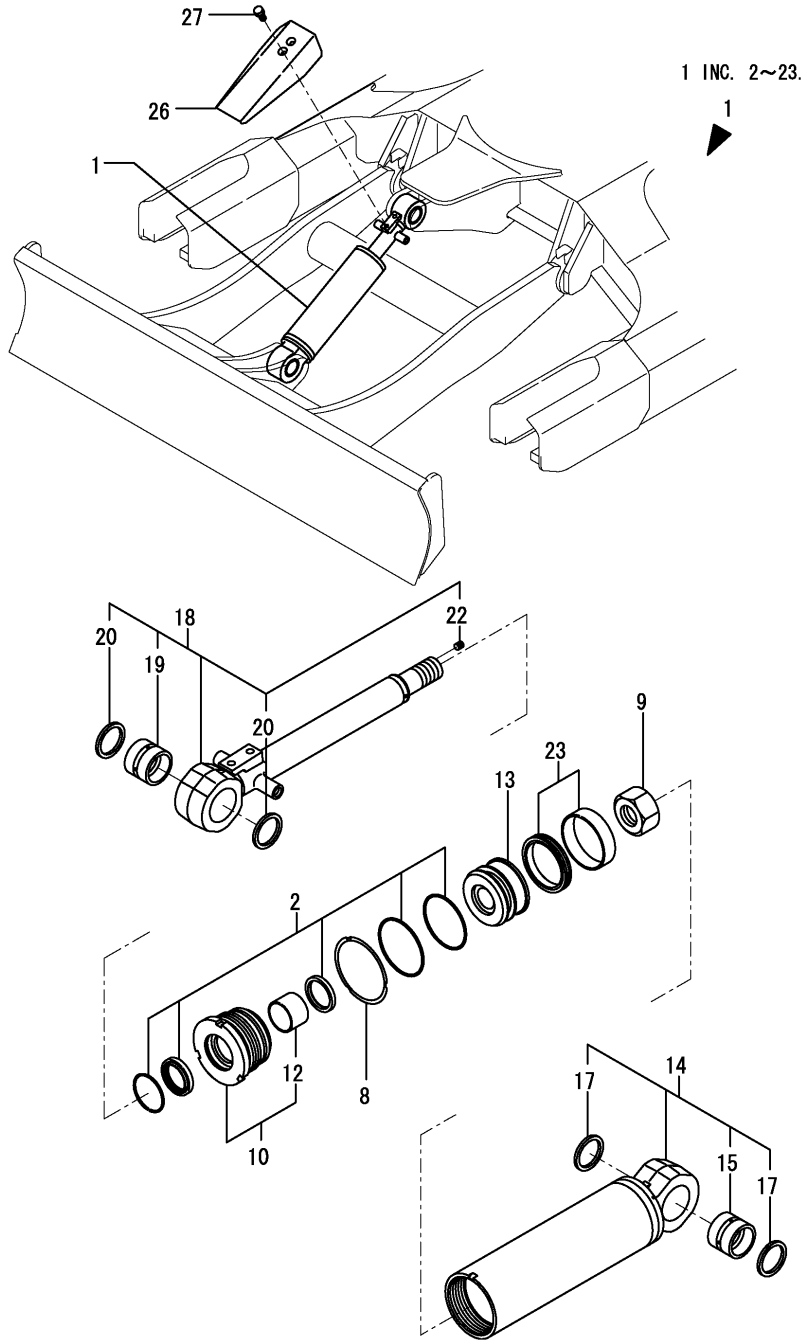
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-72700	CYLINDER ASSY, SWING	1	1						
2	2	172141-72250	NUT	1	1						
3	2	172A46-72710	TUBE, SWING	1	1						
4	3	172448-72650	SEAL, DUST	2	2						
6	3	172458-72740	BUSH	1	1						
7	2	172459-72760	PISTON	1	1						
8	2	172A46-72800	ROD ASSY, SWING	1	1						
9	3	172165-72310	BUSH	1	1						
10	3	172448-72650	SEAL, DUST	2	2						
12	2	172A46-72850	HEAD ASSY	1	1						
14	3	24550-040300	BUSH, 40X30	1	1						
15	2	172151-72870	WASHER, LOCK	1	1						
16	2	172A46-72900	SEAL SET, CYLINDER	1	1						
17	3	172460-72050	SEAL SET, PISTON	1	1						
20	3	172A46-72910	SEAL SET, HEAD	1	1						
27	2	172141-76181	CONNECTOR ASSY, 02FF	2	2						
28	3	41851-000110	O-RING	2	2						
29	2	24761-050000	NIPPLE, GREASE C	1	1						
30	1	172A25-81900	SHIM	2	2						
31	1	172A46-81900	PIN	1	1						
31-1	1	172A46-81901	PIN	1	1					F	2
(A=M57062) (B=M57062)											
32	1	172458-81930-W	PIN	1	1						
33	1	172165-82580	SHIM	2	2						
34	1	172165-82590	SHIM	2	2						
35	1	172117-83970-7	PLATE, LOCK	1	1						
35-1	1	172A47-81980	PLATE, LOCK	1	1					S	2
(A=M57062) (B=M57062)											
36	1	22157-120000	WASHER, 12	1	1						
37	1	26013-100202	BOLT, M10X 20	2	2						
37-1	1	26013-100252	BOLT, M10X 25	2	2					S	
(A=M57062) (B=M57062)											
38	1	26013-120302	BOLT, M12X 30	1	1						
39	1	172A46-72870	COVER, SWING	1	1						
40	2	172164-62430	SHEET	1	1						
40-1	2	172164-62431	SHEET	2	2					F	1
(A=M/#XXXXXX) (B=M/#XXXXXX)											
42	1	22217-100000	WASHER, SPRING 10	1	1						
43	1	26116-100162	BOLT, M10X 16 PLATED	1	1						
44	1	933147-03400	WASHER, BRAKE ARM	1	1						
45	1	933168-14170	SPRING	2	2						

Remarks
(1)PLEASE CHANGE TWO WITH A SET.
(2)T : Ref.No.31, 35 = 6mm,
No.31-1, 35-1 = 9mm.
Interchangeable by simultaneous
replacement with Ref.No.35-1,37-1.

Fig.53. BLADE CYLINDER

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

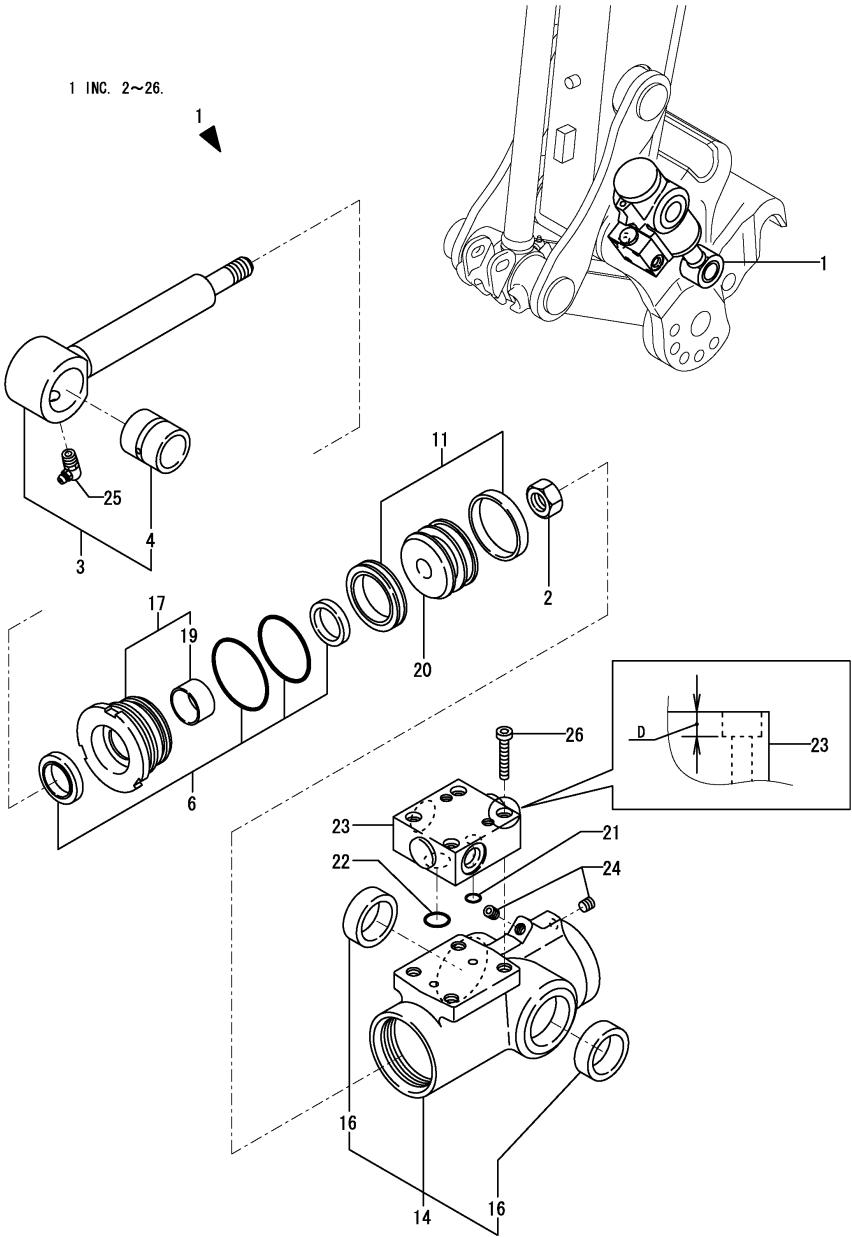


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-72610-2	CYLINDER ASSY, BLADE	1	1						
2	2	172458-72050	SEAL SET, HEAD	1	1						
8	2	172142-72260	WASHER, LOCK	1	1						
9	2	172175-72550	NUT	1	1						
10	2	172142-72640	HEAD ASSY	1	1						
12	3	24550-040300	BUSH, 40X30	1	1						
13	2	172458-72670	PISTON	1	1						
14	2	172458-72680-2	TUBE ASSY, BLADE	1	1						
15	3	172168-72410	BUSH	1	1						
17	3	172448-72650	SEAL, DUST	2	2						
18	2	172458-72690	ROD ASSY, BLADE	1	1						
19	3	172168-72410	BUSH	1	1						
20	3	172448-72650	SEAL, DUST	2	2						
22	4	23871-005000	PLUG, R005	1	1						
23	2	172142-72951	SEAL SET, PISTON	1	1						
26	1	172422-72791-2	COVER, BLADE	1	1						
27	1	26013-100162	BOLT, M10X 16	2	2						

Fig.54. HITCH CYLINDER(QUICK COUPLER)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

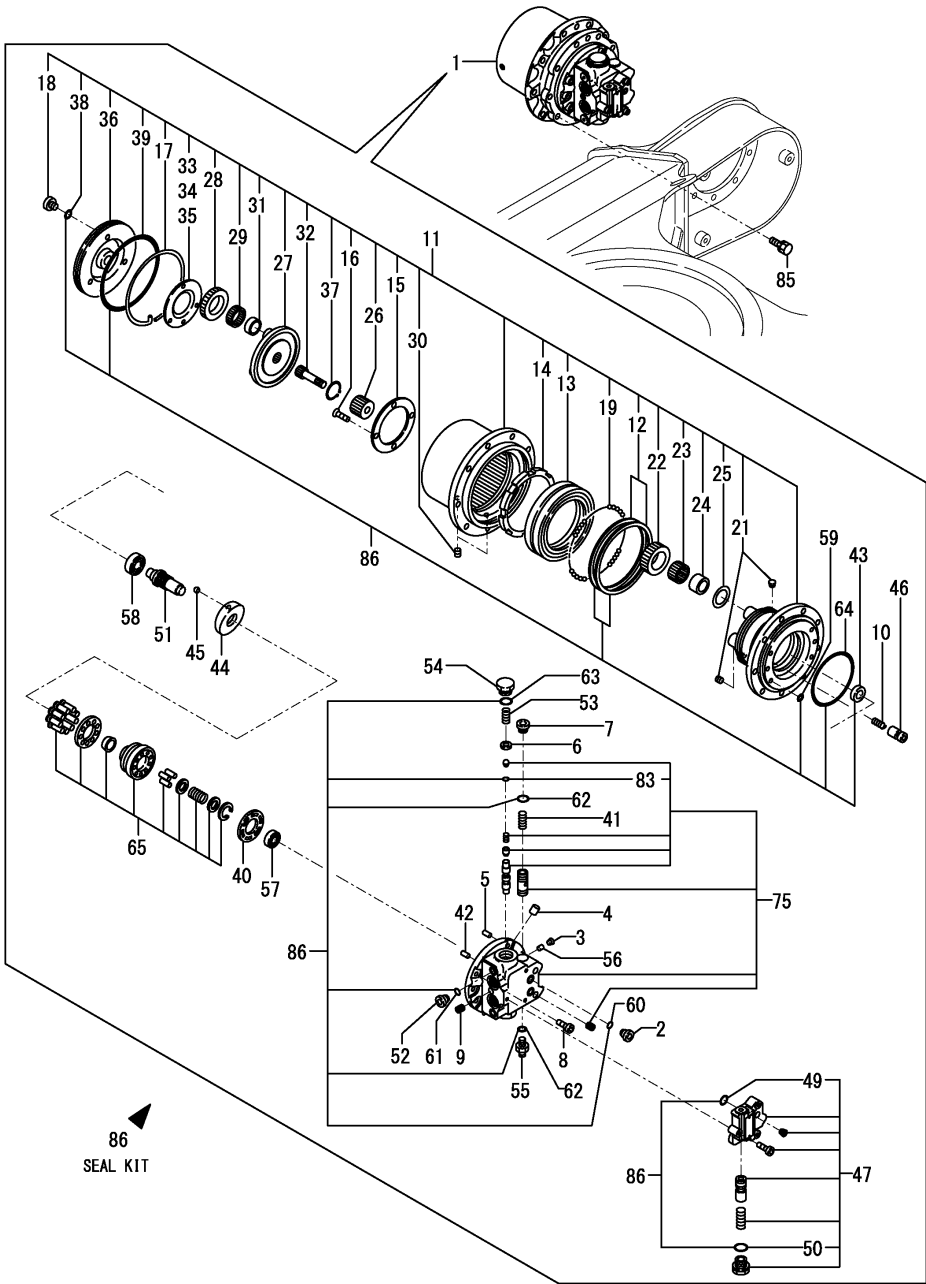
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-72801-2	CYLINDER ASSY, HITCH	1	1						
1-1	1	172958-72801-N	CYLINDER ASSY, HITCH	1	1						S
		(A=M55001) (B=M55001)									
2	2	172156-72400	NUT	1	1						
3	2	172958-72750	ROD ASSY, HITCH	1	1						
4	3	172156-72770	BUSH, PIN	1	1						
6	2	172958-72760	SEAL SET, HEAD	1	1						
11	2	172958-72770	SEAL SET, PISTON	1	1						
14	2	172958-72811-1	TUBE, HITCH	1	1						
14-1	2	172958-72811-N	TUBE, HITCH	1	1						S
		(A=M55001) (B=M55001)									
16	3	172958-72970	BUSH	2	2						
17	2	172958-72860	HEAD ASSY	1	1						
19	3	24550-025150	BUSH, 25X15	1	1						
20	2	172958-72890	PISTON	1	1						
21	2	172958-72950	O-RING	1	1						
22	2	172958-72960	O-RING	1	1						
23	2	172958-72982-2	VALVE, CHECK	1	1						
23-1	2	172958-72983	VALVE ASSY, OPERATE	1	1					F	1
		(A=MZZZZZ) (B=MZZZZZ)									
23-2	2	172958-72983-N	VALVE ASSY, OPERATE	1	1						S
		(A=M55001) (B=M55001)									
24	2	23871-005000	PLUG, R005	2	2						
25	2	24761-050000	NIPPLE, GREASE C	1	1						
26	2	26450-060352	BOLT, M6X 35	4	4						
26-1	2	26450-060302	BOLT, M6X 30	4	4						S
		(A=MZZZZZ) (B=MZZZZZ)									

Remarks
(1)D:Ref.No.23 is 4mm, No.23-1 is 8mm
Interchangeable by simultaneous
replacement with Ref.No.26-1.

Fig.55. TRAVEL MOTOR

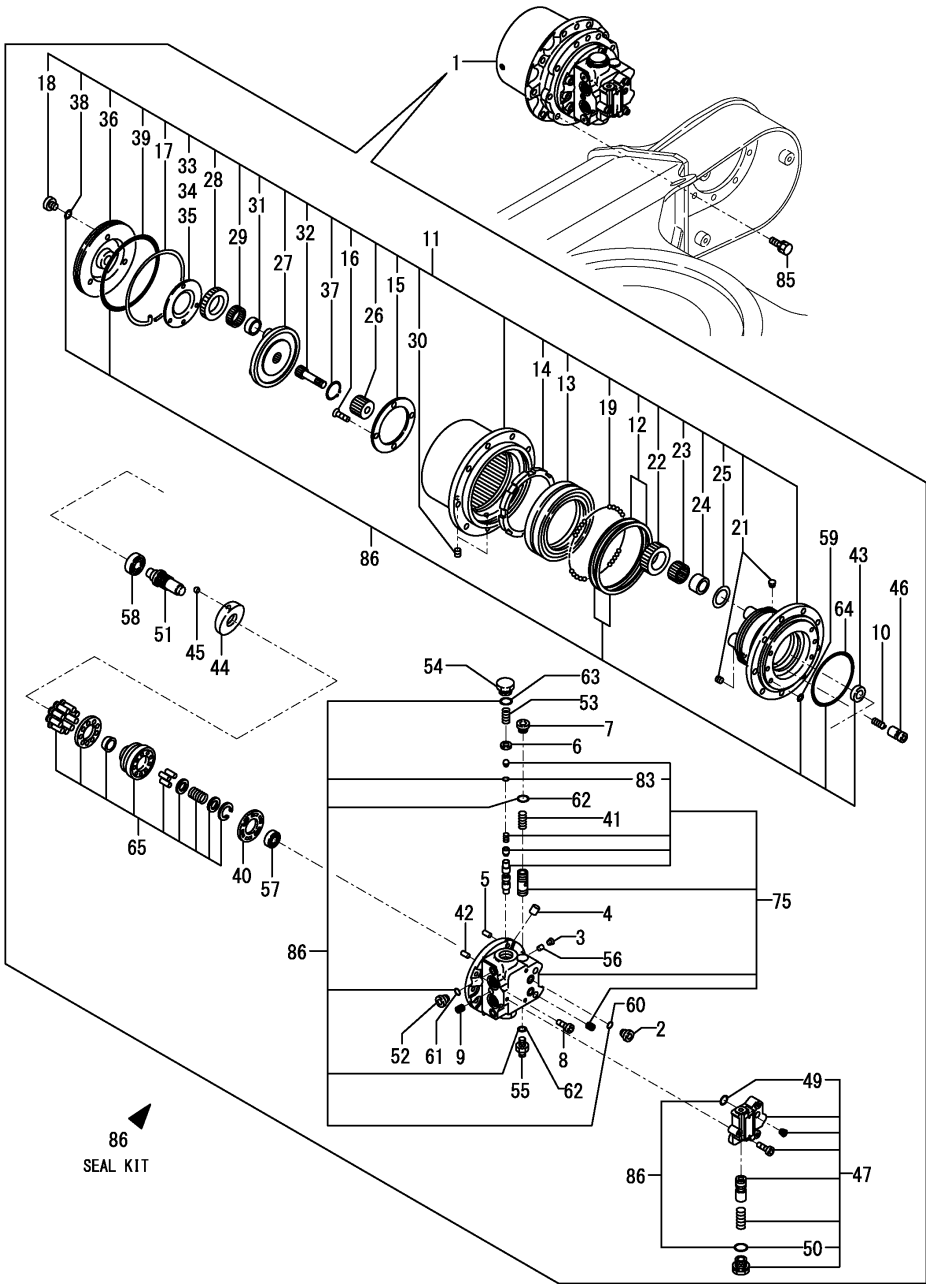


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-73701	MOTOR ASSY, TRAVEL	2	2						
2	2	1A6240-37360	PLUG	4	4						
3	2	172147-70220	PLUG	4	4						
4	2	172148-70340	ORIFICE	8	8						
5	2	172A46-73540	PIN	4	4						
6	2	172122-70460	SEAT, SPRING	4	4						
7	2	172147-70500	PLUG	2	2						
8	2	172A46-73530	BOLT, SOCKET HEAD	12	12						
9	2	23871-020000	PLUG, R02	4	4						
10	2	172168-71951	SPRING	4	4						
11	2	172A46-73510	GEAR, REDUCTION	2	2						
12	3	172141-70020-Z	SEAL, FLOATING	2	2						
13	3	172141-70030	BEARING, ANGULAR	2	2						
14	3	172141-70041	NUT, RING	2	2						
15	3	172141-70100	PLATE, THRUST	2	2						
16	3	172141-70110	SCREW	8	8						
17	3	172141-70230	WIRE	2	2						
18	3	172148-70301	PLUG	4	4						
19	3	172122-70350	BALL, STEEL	264	264						
21	3	172450-73330	PLUG	4	4						
22	3	172450-73350	GEAR, PLANETARY	8	8						
23	3	172450-73360	BEARING, NEEDLE	8	8						
24	3	172450-73370	RACE, INNER	8	8						
25	3	172450-73380	WASHER, THRUST	8	8						
26	3	172450-73390	GEAR, SUN	2	2						
27	3	172450-73400	HOLDER	2	2						
28	3	172450-73410	GEAR, PLANETARY	6	6						
29	3	172450-73420	BEARING, NEEDLE	6	6						
30	3	172122-73430	PLUG	4	4						
31	3	172450-73430	RACE, INNER	6	6						
32	3	172450-73440	GEAR, DRIVE	2	2						
33	3	172450-73450	PLATE, THRUST	2	2						
34	3	172450-73460	PLATE, THRUST	2	2						
35	3	172450-73470	PLATE, THRUST	2	2						
36	3	172450-73480	COVER	2	2						
37	3	22242-000350	RING, 35	2	2						
38	3	24315-000110	O-RING, 1BP11.0	4	4						
39	3	24325-001550	O-RING, 1BG155.0	2	2						
40	2	172638-73330	PLATE, VALVE	2	2						
41	2	172A46-73520	SPRING	2	2						
42	2	172122-73470	PIN	2	2						
43	2	172450-73490	SEAL, OIL	2	2						
44	2	172450-73501	PLATE, SWASH	2	2						
45	2	172450-73510	BALL, STEEL	4	4						
46	2	172450-73551	PISTON ASSY	4	4						
47	2	172460-73580	VALVE ASSY	2	2						
49	3	24315-000120	O-RING, 1BP12.0	6	6						
50	3	24315-000140	O-RING, 1BP14.0	4	4						
51	2	172183-73670	SHAFT	2	2						
52	2	172183-73770	PLUG	4	4						
53	2	172458-73770	SPRING	4	4						

Fig.55. TRAVEL MOTOR

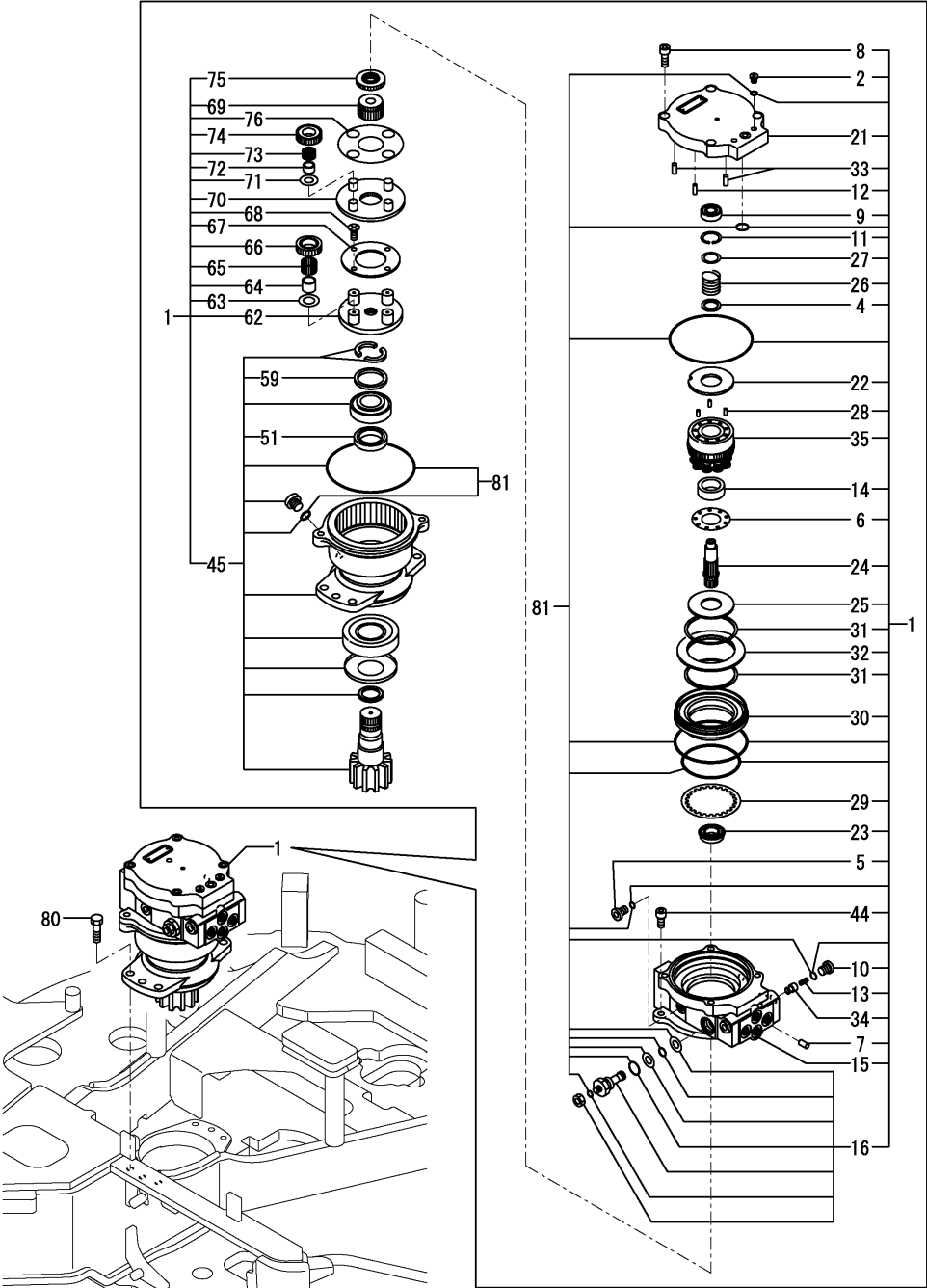


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
54	2	172458-73780	CAP	4	4						
55	2	172A46-73560	PLUG	2	2						
56	2	172312-74790	ORIFICE	8	8						
57	2	24101-060024	BEARING, BALL 6002	2	2						
58	2	24101-060044	BEARING, BALL 6004	2	2						
59	2	24315-000070	O-RING, 1BP7.0	6	6						
60	2	24315-000080	O-RING, 1BP8.0	4	4						
61	2	24315-000110	O-RING, 1BP11.0	4	4						
62	2	24315-000140	O-RING, 1BP14.0	4	4						
63	2	24315-000290	O-RING, 1BP29.0	4	4						
64	2	24321-001200	O-RING, 1AG120.0	2	2						
65	2	172450-73620	BLOCK KIT, CYLINDER	2	2						
65-1	2	172450-73621	CYLINDER BLOCK KIT	2	2						N
(A=M55198) (B=M55198)											
75	2	172A46-73550	PLATE KIT, BASE	2	2						
83	4	24315-000100	O-RING, 1BP10.0	4	4						
85	1	26013-120302	BOLT, SPRING M12X 30	18	18						
86	1	172458-73720	SEAL SET	2	2						

Fig.56. TURNING MOTOR

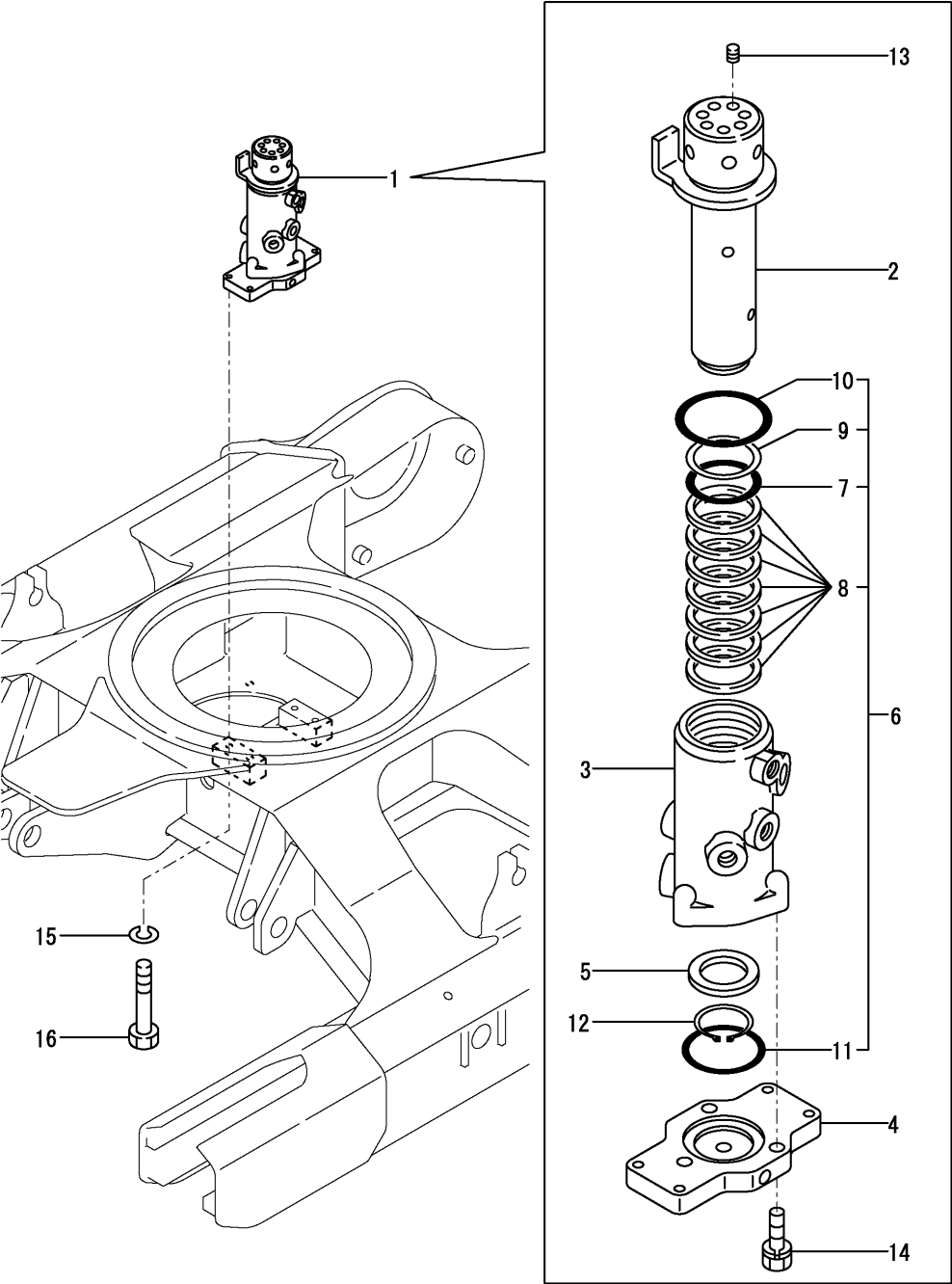


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-73711	MOTOR ASSY, TURNING	1	1						
2	2	1A6240-37360	PLUG	2	2						
4	2	172147-70280	COLLAR	1	1						
5	2	172148-70301	PLUG	1	1						
6	2	172147-70331	HOLDER, RETAINER	1	1						
7	2	172124-70380	ORIFICE	1	1						
8	2	172124-70390	BOLT, SOCKET	5	5						
9	2	172147-70390	BEARING, BALL	1	1						
10	2	172147-70500	PLUG	2	2						
11	2	172122-70630	RING, SNAP	1	1						
12	2	172122-73470	PIN	1	1						
13	2	172638-73470	SPRING	2	2						
14	2	172423-73530	PLATE, RETAINER	1	1						
15	2	172A46-73730	CASE	1	1						
16	2	172A46-73740	VALVE ASSY, RELIEF	2	2						
21	2	172459-73740	COVER	1	1						
22	2	172459-73750	PLATE, VALVE	1	1						
23	2	172450-77030	BEARING, BALL	1	1						
24	2	172450-77040	SHAFT	1	1						
25	2	172450-77050	PLATE, THRUST	1	1						
26	2	172450-77070	SPRING	1	1						
27	2	172450-77080	WASHER	1	1						
28	2	172450-77090	PIN	3	3						
29	2	172450-77110	DISK	1	1						
30	2	172450-77120	PISTON, BRAKE	1	1						
31	2	172450-77130	SEAT, SPRING	2	2						
32	2	172450-77140	SPRING ASSY, DISK	1	1						
33	2	172450-77170	PIN	2	2						
34	2	172450-77190	VALVE, CHECK	2	2						
35	2	172450-77220	BLOCK KIT, CYLINDER	1	1						
44	2	172124-70390	BOLT, SOCKET	2	2						
45	2	172A46-73750	HOUSING ASSY	1	1						
51	3	172450-73751	SEAL, OIL	1	1						
59	3	172450-73830	COLLAR	1	1						
62	2	172450-73840	HOLDER	1	1						
63	2	172450-73850	WASHER, THRUST	4	4						
64	2	172450-73860	RACE, INNER	4	4						
65	2	172450-73870	BEARING, NEEDLE	4	4						
66	2	172450-73880	GEAR, PLANETARY	4	4						
67	2	172450-73890	PLATE, THRUST	1	1						
68	2	172450-73900	SCREW	4	4						
69	2	172450-73910	GEAR, SUN	1	1						
70	2	172450-73920	HOLDER	1	1						
71	2	172450-73930	WASHER, THRUST	4	4						
72	2	172450-73940	RACE, INNER	4	4						
73	2	172450-73950	BEARING, NEEDLE	4	4						
74	2	172450-73960	GEAR, PLANETARY	4	4						
75	2	172450-77000	GEAR, DRIVE	1	1						
76	2	172450-77230	PLATE KIT, THRUST	1	1						
80	1	172455-29140	BOLT	6	6						
81	1	172458-74910	REPAIR KIT	1	1						

Fig.57. SWIVEL JOINT

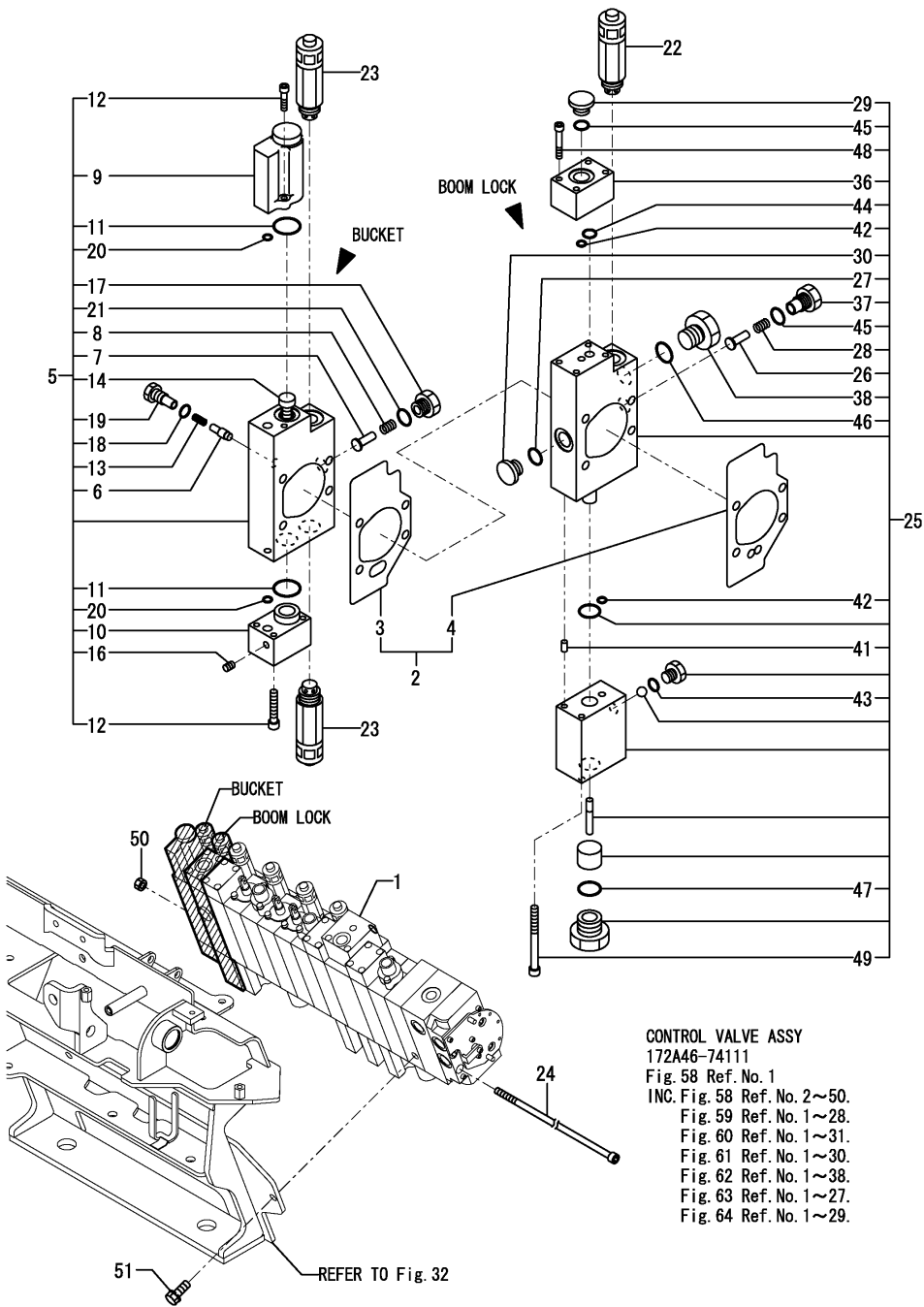
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-73803	JOINT ASSY, SWIVEL	1	1						
2	2	172444-73810	SHAFT ASSY, SWIVEL	1	1						
3	2	172444-73831	HUB, SWIVEL	1	1						
4	2	172444-73840	FLANGE, SWIVEL	1	1						
5	2	172137-73860	SPACER, SWIVEL	1	1						
6	2	172444-73880	SEAL SET, SWIVEL	1	1						
7	3	172142-73800	O-RING	1	1						
8	3	172447-73840	SEAL	7	7						
9	3	172148-73870	RING, BUCK UP	1	1						
10	3	24311-000750	O-RING, 1AP75.0	1	1						
11	3	24321-000700	O-RING, 1AG70.0	1	1						
12	2	22242-000451	RING, 45	1	1						
13	2	23871-020000	PLUG, R02	7	7						
14	2	26013-100352	BOLT, M10X 35	3	3						
15	1	22217-100000	WASHER, SPRING 10	4	4						
16	1	26116-100652	BOLT, M10X 65 PLATED	4	4						

Fig.58. CONTROL VALVE(1/7)



CONTROL VALVE ASSY
172A46-74111
Fig. 58 Ref. No. 1
INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

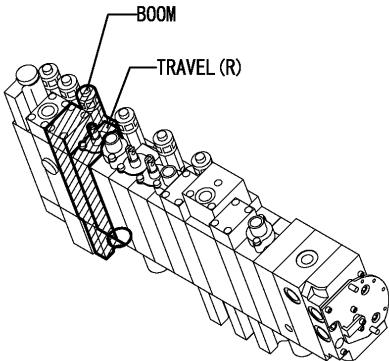
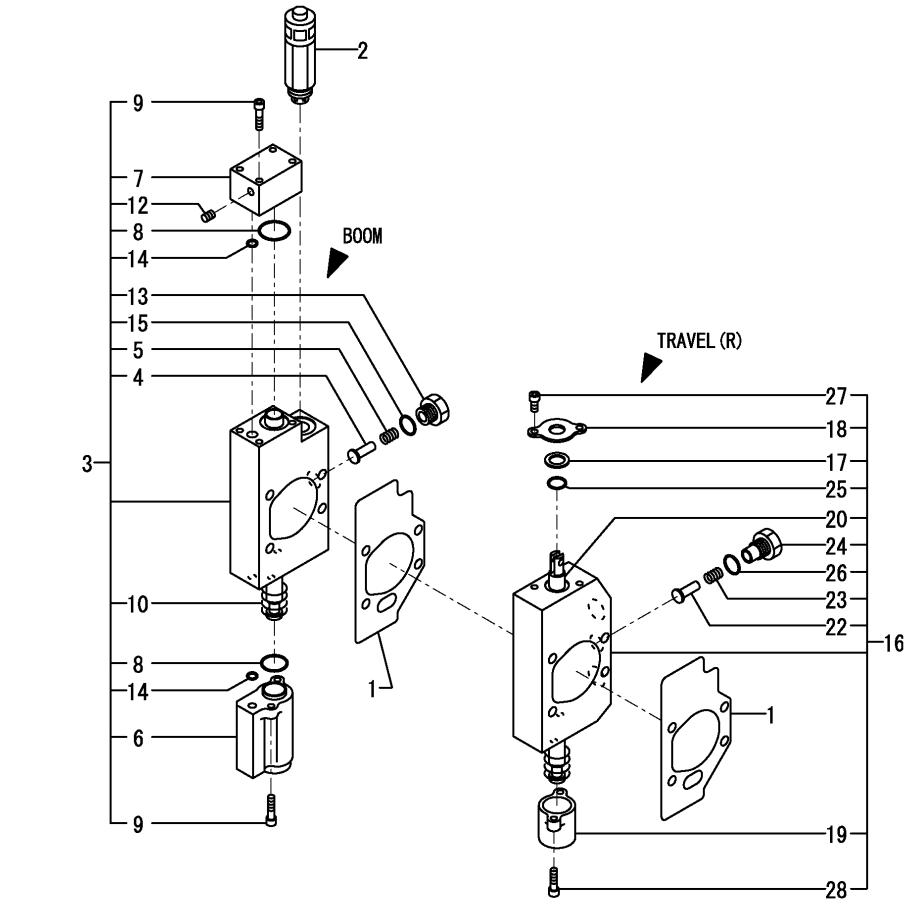
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-74111	VALVE ASSY, CONTROL	1							
1-1	1	172A46-74112	VALVE ASSY, CONTROL	1							N
(A=M/#XXXXX)											
2	2	172A46-74330	GASKET SET	1							
3	3	172A47-75430	GASKET	1							
4	3	172A47-75440	GASKET	1							
5	2	172A46-74370	SECTION, BUCKET	1							
6	3	172499-70180	VALVE ASSY, REVERSE	1							
7	3	172458-74150	VALVE, REVERSE	1							
8	3	172458-74160	SPRING, VALVE	1							
9	3	172A47-74220	COVER, PILOT	1							
10	3	172A47-74230	COVER, PILOT	1							
11	3	172458-74230	O-RING	2							
12	3	172458-74260	BOLT	4							
13	3	172173-74280	SPRING	1							
14	3	172A46-74310	SPOOL ASSY, BUCKET	1							
16	3	172458-74460	PLUG	1							
17	3	172458-74630	STAY, VALVE	1							
18	3	172A47-74950	O-RING	1							
19	3	172A47-74970	STAY, VALVE	1							
20	3	24311-000060	O-RING, 1AP6.0	2							
21	3	24315-000110	O-RING, 1BP11.0	1							
22	2	172456-74440	VALVE, RELIEF	1							
23	2	172458-74710	VALVE, RELIEF	2							
24	2	172A47-75450	BOLT	4							
25	2	172A47-75610	VALVE ASSY, LOCK	1							
26	3	172499-70180	VALVE ASSY, REVERSE	1							
27	3	172A47-74270	O-RING	1							
28	3	172173-74280	SPRING	1							
29	3	172183-74350	PLUG	1							
30	3	172A47-74460	PLUG	1							
36	3	172A47-74930	BODY, DISCHARGE	1							
37	3	172A47-74970	STAY, VALVE	1							
38	3	172A47-75620	STAY, VALVE	1							
41	3	22312-050100	PIN, PARALLEL M5X10	2							
42	3	24311-000060	O-RING, 1AP6.0	2							
43	3	24315-000080	O-RING, 1BP8.0	1							
44	3	24315-000100	O-RING, 1BP10.0	1							
45	3	24315-000110	O-RING, 1BP11.0	2							
46	3	24315-000140	O-RING, 1BP14.0	1							
47	3	24315-000180	O-RING, 1BP18.0	1							
48	3	26450-050302	BOLT, M5X 30	2							
49	3	26450-060652	BOLT, M6X 65	2							
50	2	26716-080002	NUT, M8	4							
51	1	26013-100162	BOLT, M10X 16	3							

Fig.59. CONTROL VALVE(2/7)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

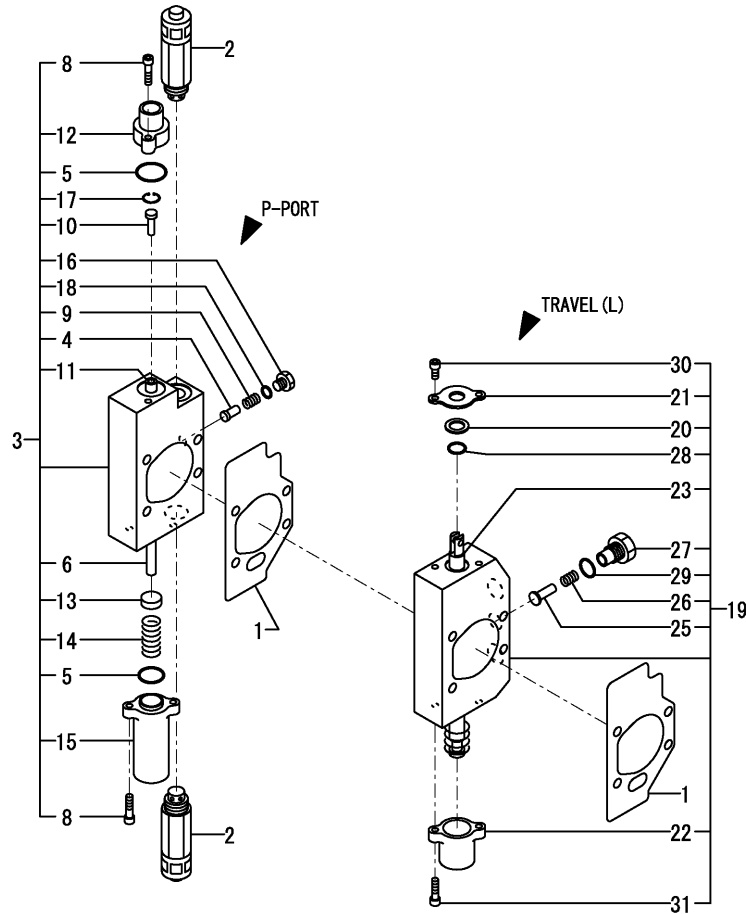
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75430	GASKET	2							
2	2	172A46-74340	VALVE ASSY, OVERLOAD	1							
3	2	172A46-74391	SECTION, BOOM	1							
4	3	172458-74150	VALVE, REVERSE	1							
5	3	172458-74160	SPRING, VALVE	1							
6	3	172A47-74220	COVER, PILOT	1							
7	3	172A47-74230	COVER, PILOT	1							
8	3	172458-74230	O-RING	2							
9	3	172458-74260	BOLT	4							
10	3	172A46-74282	SPOOL ASSY, BOOM	1							
12	3	172458-74460	PLUG	1							
13	3	172458-74630	STAY, VALVE	1							
14	3	24311-000060	O-RING, 1AP6.0	2							
15	3	24315-000110	O-RING, 1BP11.0	1							
16	2	172A46-74400	SECTION, TRAVEL	1							
16-1	2	172A46-74401	SECTION, TRAVEL	1							N
(A=M/#XXXXXX)											
17	3	172458-74130	WIPER, DUST	1							
18	3	172458-74140	RETAINER, SEAL	1							
19	3	172458-74170	CAP, SPRING	1							
19-1	3	172A78-74170	CAP, SPRING	1							N
(A=M/#XXXXXX)											
20	3	172A46-74230	SPOOL ASSY, TRAVEL	1							
22	3	172458-74290	VALVE, REVERSE	1							
23	3	172458-74360	SPRING, VALVE	1							
24	3	172458-74640	STAY, VALVE	1							
25	3	24311-000120	O-RING, 1AP12.0	1							
26	3	24315-000110	O-RING, 1BP11.0	1							
27	3	26450-050102	BOLT, M5X 10	2							
28	3	26450-050182	BOLT, M5X 18	2							



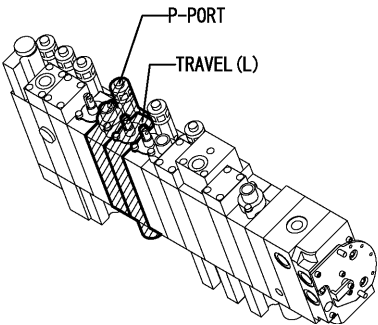
CONTROL VALVE ASSY
172A46-74111
Fig. 58 Ref. No. 1
INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75430	GASKET	2							
2	2	172A46-74360	VALVE ASSY, RELIEF	2							
3	2	172A46-74410	VALVE	1							
4	3	172499-70180	VALVE ASSY, REVERSE	1							
5	3	172458-74230	O-RING	2							
6	3	172A46-74250	SPOOL ASSY, INLET	1							
8	3	172458-74260	BOLT	4							
9	3	172173-74280	SPRING	1							
10	3	172A47-74360	FILTER	1							
11	3	172A47-74370	PISTON	1							
12	3	172A47-74380	COVER, PILOT	1							
13	3	172458-74530	SEAT, SPRING	1							
14	3	172458-74540	SPRING, RETURN	1							
15	3	172458-74550	COVER, PILOT	1							
16	3	172458-74670	PLUG	1							
17	3	172A47-74980	CIRCLIP	1							
18	3	24315-000080	O-RING, 1BP8.0	1							
19	2	172A46-74420	SECTION, TRAVEL	1							
19-1	2	172A46-74421	SECTION, TRAVEL	1							N
(A=M/#XXXXXX)											
20	3	172458-74130	WIPER, DUST	1							
21	3	172458-74140	RETAINER, SEAL	1							
22	3	172458-74170	CAP, SPRING	1							
22-1	3	172A78-74170	CAP, SPRING	1							N
(A=M/#XXXXXX)											
23	3	172A46-74230	SPOOL ASSY, TRAVEL	1							
25	3	172458-74290	VALVE, REVERSE	1							
26	3	172458-74360	SPRING, VALVE	1							
27	3	172458-74640	STAY, VALVE	1							
28	3	24311-000120	O-RING, 1AP12.0	1							
29	3	24315-000110	O-RING, 1BP11.0	1							
30	3	26450-050102	BOLT, M5X 10	2							
31	3	26450-050182	BOLT, M5X 18	2							

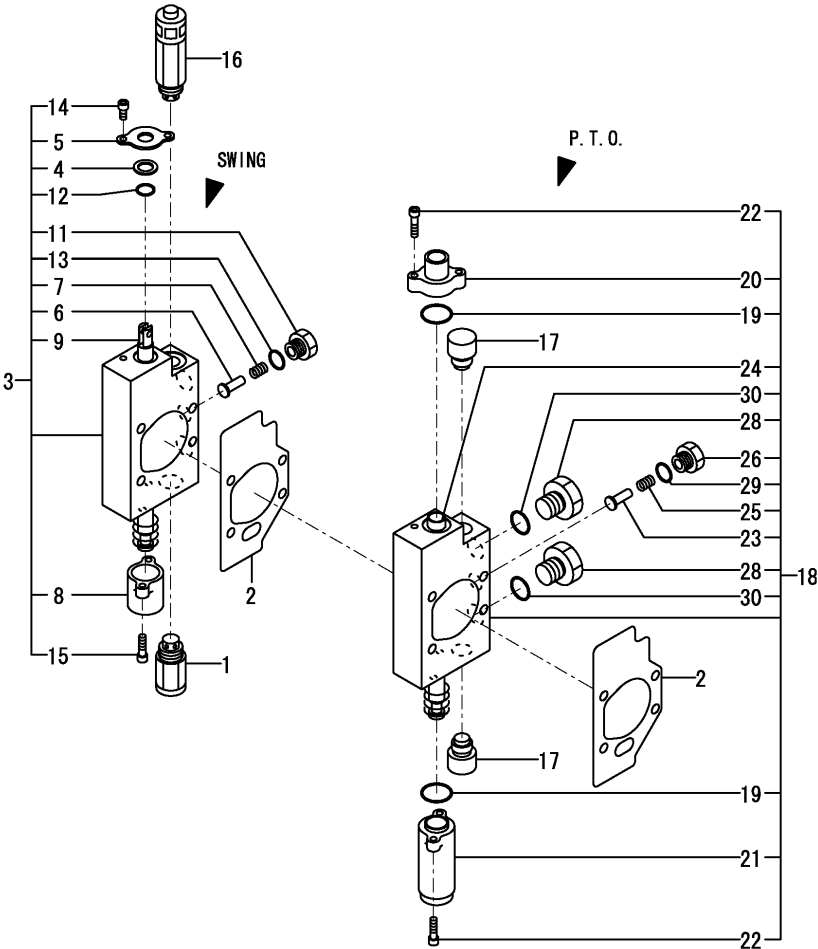


CONTROL VALVE ASSY
172A46-74111
Fig. 58 Ref. No. 1
INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.

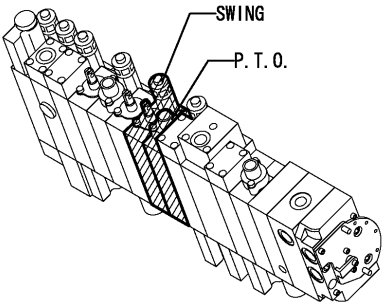
Fig.61. CONTROL VALVE(4/7)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172447-74230	ANTI-CAVITATION	1							
2	2	172A47-75430	GASKET	2							
3	2	172A46-74430	SECTION, SWING	1							
3-1	2	172A46-74431 (A=M/#XXXXX)	SECTION, SWING	1							N
4	3	172458-74130	WIPER, DUST	1							
5	3	172458-74140	RETAINER, SEAL	1							
6	3	172458-74150	VALVE, REVERSE	1							
7	3	172458-74160	SPRING, VALVE	1							
8	3	172458-74170	CAP, SPRING	1							
8-1	3	172A78-74170 (A=M/#XXXXX)	CAP, SPRING	1							N
9	3	172A46-74210	SPOOL ASSY, SWING	1							
11	3	172458-74630	STAY, VALVE	1							
12	3	24311-000120	O-RING, 1AP12.0	1							
13	3	24315-000110	O-RING, 1BP11.0	1							
14	3	26450-050102	BOLT, M5X 10	2							
15	3	26450-050182	BOLT, M5X 18	2							
16	2	172458-74710	VALVE, RELIEF	1							
17	2	172A47-75460	PLUG ASSY, VALVE	2							
18	2	172A47-75550	SECTION, PTO	1							
19	3	172458-74230	O-RING	2							
20	3	172458-74240	COVER, PILOT	1							
21	3	172458-74250	COVER, PILOT	1							
22	3	172458-74260	BOLT	4							
23	3	172490-74310	VALVE, REVERSE	1							
24	3	172A47-74320	SPOOL ASSY, PTO	1							
25	3	172490-74320	SPRING, VALVE	1							
26	3	172490-74330	STAY, VALVE	1							
28	3	172458-74650	STAY, VALVE	2							
29	3	24315-000110	O-RING, 1BP11.0	1							
30	3	24315-000140	O-RING, 1BP14.0	2							

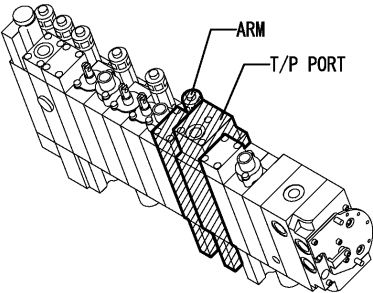
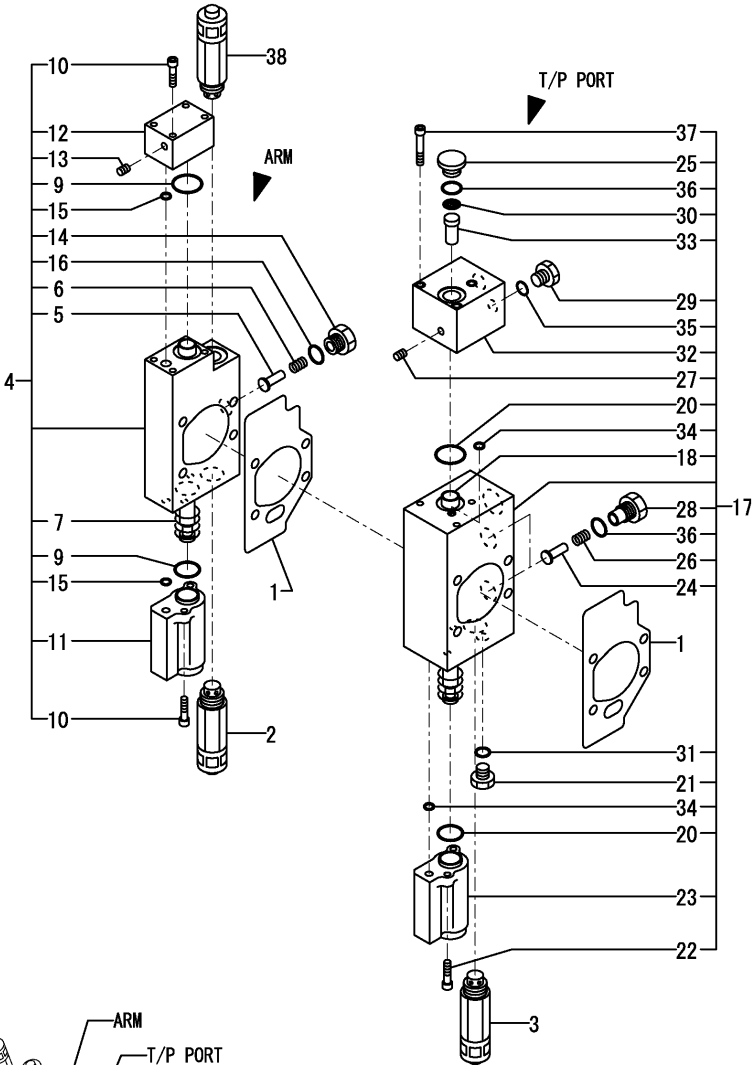


CONTROL VALVE ASSY
172A46-74111
Fig. 58 Ref. No. 1
INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.

Fig.62. CONTROL VALVE(5/7)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



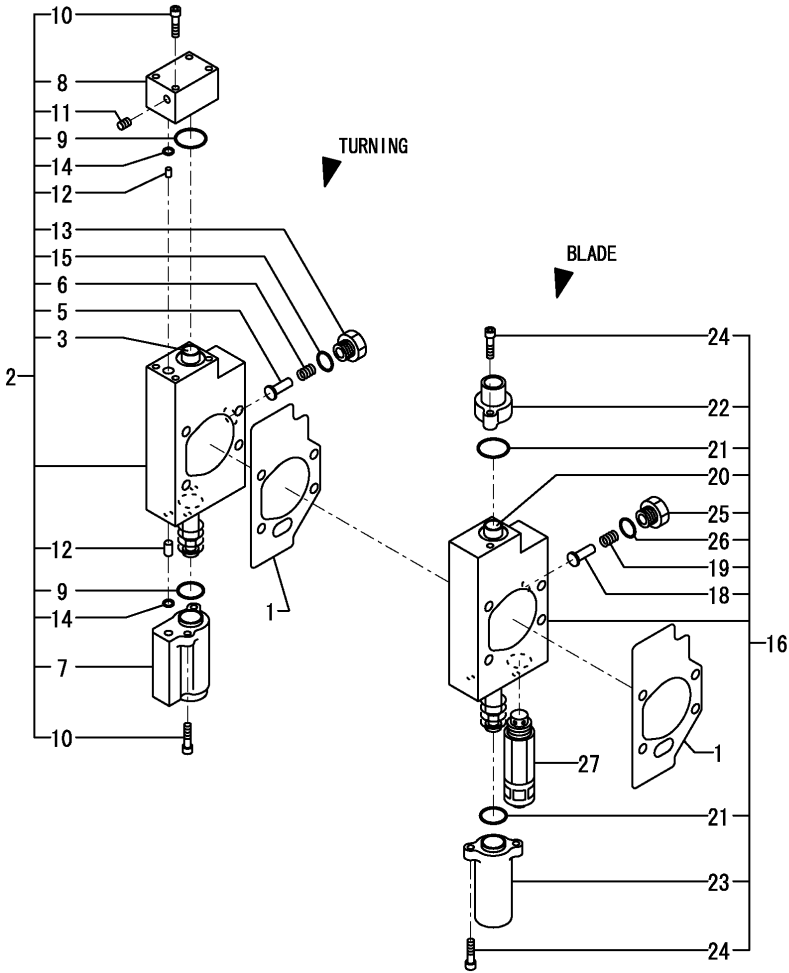
CONTROL VALVE ASSY
172A46-74111
Fig. 58 Ref. No. 1
INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75430	GASKET	2							
2	2	172A46-74340	VALVE ASSY, OVERLOAD	1							
3	2	172A46-74350	VALVE ASSY, RELIEF	1							
4	2	172A46-74441	SECTION, ARM	1							
5	3	172458-74150	VALVE, REVERSE	1							
6	3	172458-74160	SPRING, VALVE	1							
7	3	172A46-74171	SPOOL ASSY, ARM	1							
9	3	172458-74230	O-RING	2							
10	3	172458-74260	BOLT	4							
11	3	172A47-74280	COVER, PILOT	1							
12	3	172A47-74300	COVER, PILOT	1							
13	3	172458-74460	PLUG	1							
14	3	172458-74630	STAY, VALVE	1							
15	3	24311-000060	O-RING, 1AP6.0	2							
16	3	24315-000110	O-RING, 1BP11.0	1							
17	2	172A46-74450	SECTION ASSY	1							
18	3	172A46-74150	SPOOL ASSY	1							
20	3	172458-74230	O-RING	2							
21	3	172A47-74260	PLUG	1							
22	3	172458-74260	BOLT	2							
23	3	172A47-74280	COVER, PILOT	1							
24	3	172458-74290	VALVE, REVERSE	2							
25	3	172183-74350	PLUG	1							
26	3	172458-74360	SPRING, VALVE	2							
27	3	172458-74460	PLUG	2							
28	3	172458-74640	STAY, VALVE	2							
29	3	172458-74670	PLUG	1							
30	3	172499-74860	FILTER	1							
31	3	172A47-74950	O-RING	1							
32	3	172A47-74960	BODY, PILOT	1							
33	3	172499-74960	PLUG	1							
34	3	24311-000060	O-RING, 1AP6.0	2							
35	3	24315-000080	O-RING, 1BP8.0	1							
36	3	24315-000110	O-RING, 1BP11.0	3							
37	3	26450-050452	BOLT, M5X 45	3							
38	2	172458-74710	VALVE, RELIEF	1							

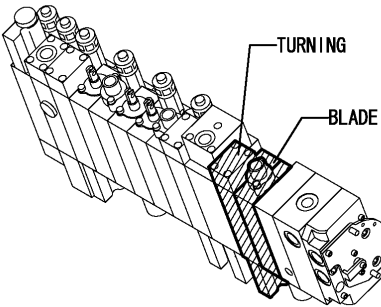
Fig.63. CONTROL VALVE(6/7)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



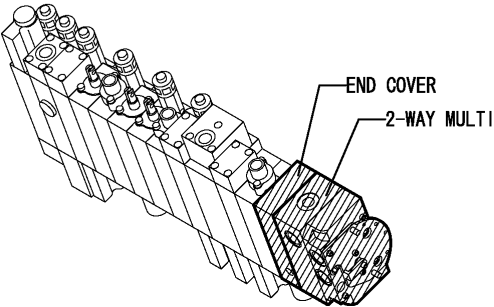
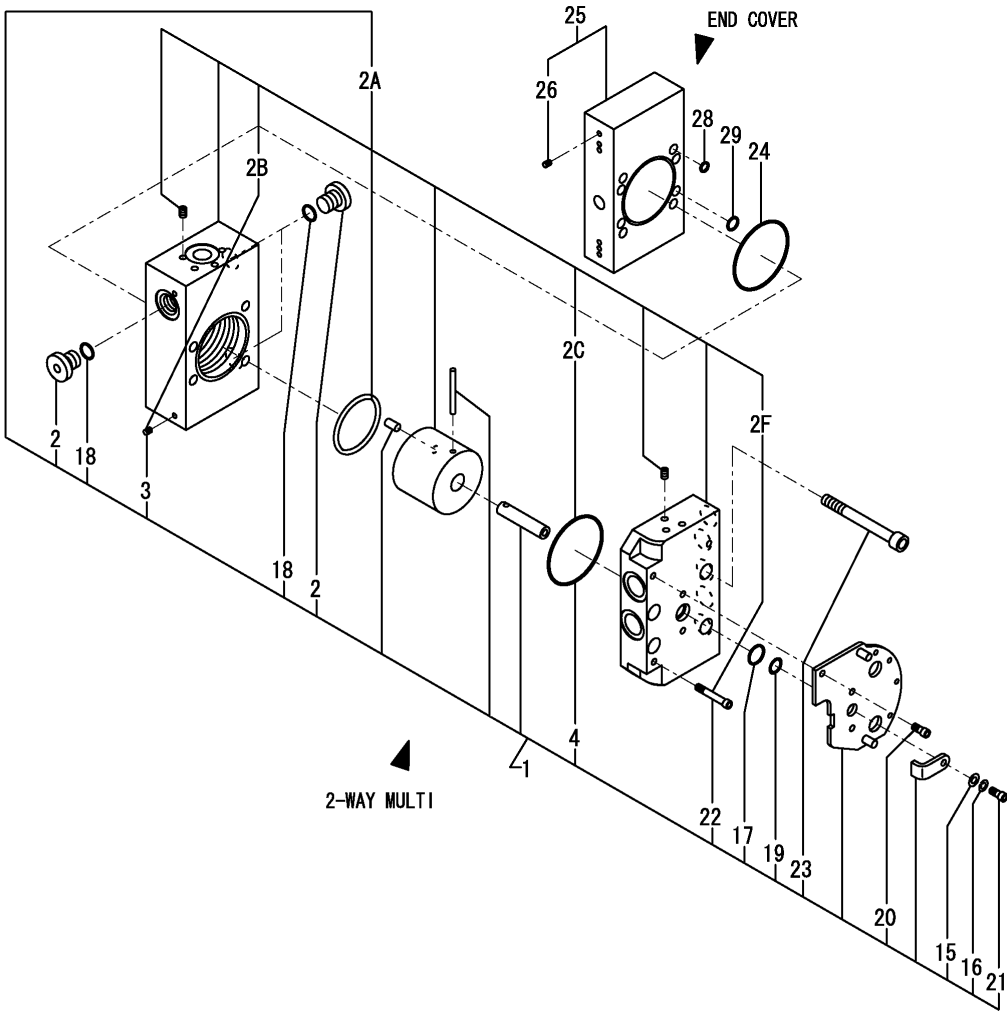
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75430	GASKET	2							
2	2	172A46-74461	SECTION, SWING	1							
3	3	172A46-74131	SPOOL ASSY, SWING	1							
5	3	172458-74150	VALVE, REVERSE	1							
6	3	172458-74160	SPRING, VALVE	1							
7	3	172A47-74220	COVER, PILOT	1							
8	3	172A47-74230	COVER, PILOT	1							
9	3	172458-74230	O-RING	2							
10	3	172458-74260	BOLT	4							
11	3	172458-74460	PLUG	1							
12	3	172A46-74480	THROTTLE	2							
13	3	172458-74630	STAY, VALVE	1							
14	3	24311-000060	O-RING, 1AP6.0	2							
15	3	24315-000110	O-RING, 1BP11.0	1							
16	2	172A47-75591	SECTION, BLADE	1							
18	3	172458-74150	VALVE, REVERSE	1							
19	3	172458-74160	SPRING, VALVE	1							
20	3	172A47-75671	SPOOL ASSY, BLADE	1							
21	3	172458-74230	O-RING	2							
22	3	172458-74240	COVER, PILOT	1							
23	3	172458-74250	COVER, PILOT	1							
24	3	172458-74260	BOLT	4							
25	3	172458-74630	STAY, VALVE	1							
26	3	24315-000110	O-RING, 1BP11.0	1							
27	2	172458-74700	VALVE, RELIEF	1							



CONTROL VALVE ASSY
172A46-74111

Fig. 58 Ref. No. 1

- INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.



CONTROL VALVE ASSY
172A46-74111
Fig. 58 Ref. No. 1
INC. Fig. 58 Ref. No. 2~50.
Fig. 59 Ref. No. 1~28.
Fig. 60 Ref. No. 1~31.
Fig. 61 Ref. No. 1~30.
Fig. 62 Ref. No. 1~38.
Fig. 63 Ref. No. 1~27.
Fig. 64 Ref. No. 1~29.

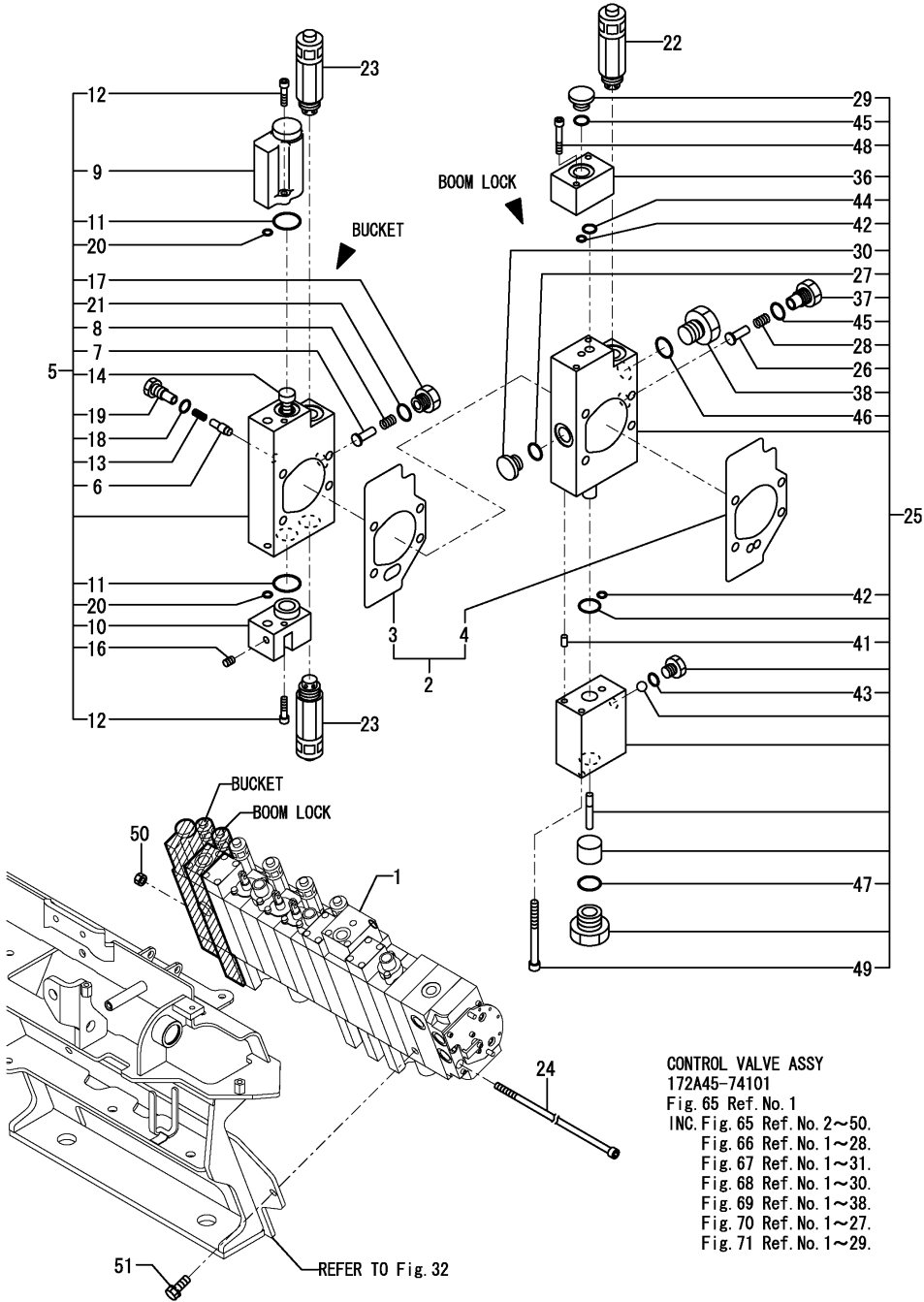
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-74210	VALVE	1							
2	3	172183-74350	PLUG	3							
2A	3	172A47-75910	BODY, 2-WAY KIT	1							W
(A=M/#XXXXX)											
2B	4	172458-74460	PLUG	2							
2C	4	172A47-75420	O-RING	1							
2F	4	26450-050302	BOLT, M5X 30	2							
3	3	172458-74460	PLUG	2							Z
(A=M/#XXXXX)											
4	3	172A47-75420	O-RING	1							Z
(A=M/#XXXXX)											
15	3	22137-050000	WASHER, 5	1							
16	3	22217-050000	WASHER, SPRING 5	1							
17	3	24311-240100	O-RING, 1AP10A	1							
18	3	24315-000110	O-RING, 1BP11.0	3							
19	3	24373-240100	RING, BACK UP T3P10A	1							
20	3	26450-050102	BOLT, M5X 10	3							
21	3	26450-050102	BOLT, M5X 10	1							
22	3	26450-050302	BOLT, M5X 30	2							Z
(A=M/#XXXXX)											
23	3	26450-080752	BOLT, M8X 75	4							
24	2	172A47-75420	O-RING	1							
25	2	172A47-75600	COVER ASSY, END	1							
26	3	172458-74460	PLUG	8							
28	2	24311-000060	O-RING, 1AP6.0	7							
29	2	24311-000090	O-RING, 1AP9.0	2							

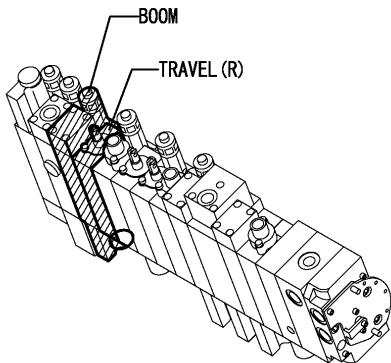
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A45-74101	VALVE ASSY, CONTROL		1						
1-1	1	172A45-74102	VALVE ASSY, CONTROL		1						N
(B=M/#XXXXX)											
2	2	172A46-74330	GASKET SET		1						
3	3	172A47-75430	GASKET		1						
4	3	172A47-75440	GASKET		1						
5	2	172A46-74370	SECTION, BUCKET		1						
6	3	172499-70180	VALVE ASSY, REVERSE		1						
7	3	172458-74150	VALVE, REVERSE		1						
8	3	172458-74160	SPRING, VALVE		1						
9	3	172A47-74220	COVER, PILOT		1						
10	3	172A47-74230	COVER, PILOT		1						
11	3	172458-74230	O-RING		2						
12	3	172458-74260	BOLT		4						
13	3	172173-74280	SPRING		1						
14	3	172A46-74310	SPOOL ASSY, BUCKET		1						
16	3	172458-74460	PLUG		1						
17	3	172458-74630	STAY, VALVE		1						
18	3	172A47-74950	O-RING		1						
19	3	172A47-74970	STAY, VALVE		1						
20	3	24311-000060	O-RING, 1AP6.0		2						
21	3	24315-000110	O-RING, 1BP11.0		1						
22	2	172456-74440	VALVE, RELIEF		1						
23	2	172458-74710	VALVE, RELIEF		2						
24	2	172A47-75450	BOLT		4						
25	2	172A47-75610	VALVE ASSY, LOCK		1						
26	3	172499-70180	VALVE ASSY, REVERSE		1						
27	3	172A47-74270	O-RING		1						
28	3	172173-74280	SPRING		1						
29	3	172183-74350	PLUG		1						
30	3	172A47-74460	PLUG		1						
36	3	172A47-74930	BODY, DISCHARGE		1						
37	3	172A47-74970	STAY, VALVE		1						
38	3	172A47-75620	STAY, VALVE		1						
41	3	22312-050100	PIN, PARALLEL M5X10		2						
42	3	24311-000060	O-RING, 1AP6.0		2						
43	3	24315-000080	O-RING, 1BP8.0		1						
44	3	24315-000100	O-RING, 1BP10.0		1						
45	3	24315-000110	O-RING, 1BP11.0		2						
46	3	24315-000140	O-RING, 1BP14.0		1						
47	3	24315-000180	O-RING, 1BP18.0		1						
48	3	26450-050302	BOLT, M5X 30		2						
49	3	26450-060652	BOLT, M6X 65		2						
50	2	26716-080002	NUT, M8		4						
51	1	26013-100162	BOLT, M10X 16		3						

Fig.66. CONTROL VALVE(2/7)(30B)



CONTROL VALVE ASSY
172A45-74101
Fig. 65 Ref. No. 1
INC. Fig. 65 Ref. No. 2~50.
Fig. 66 Ref. No. 1~28.
Fig. 67 Ref. No. 1~31.
Fig. 68 Ref. No. 1~30.
Fig. 69 Ref. No. 1~38.
Fig. 70 Ref. No. 1~27.
Fig. 71 Ref. No. 1~29.

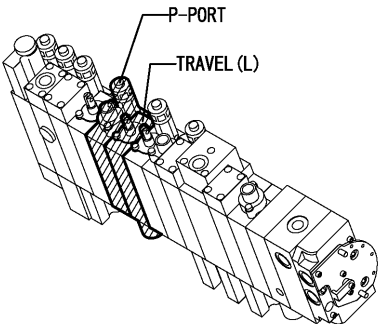
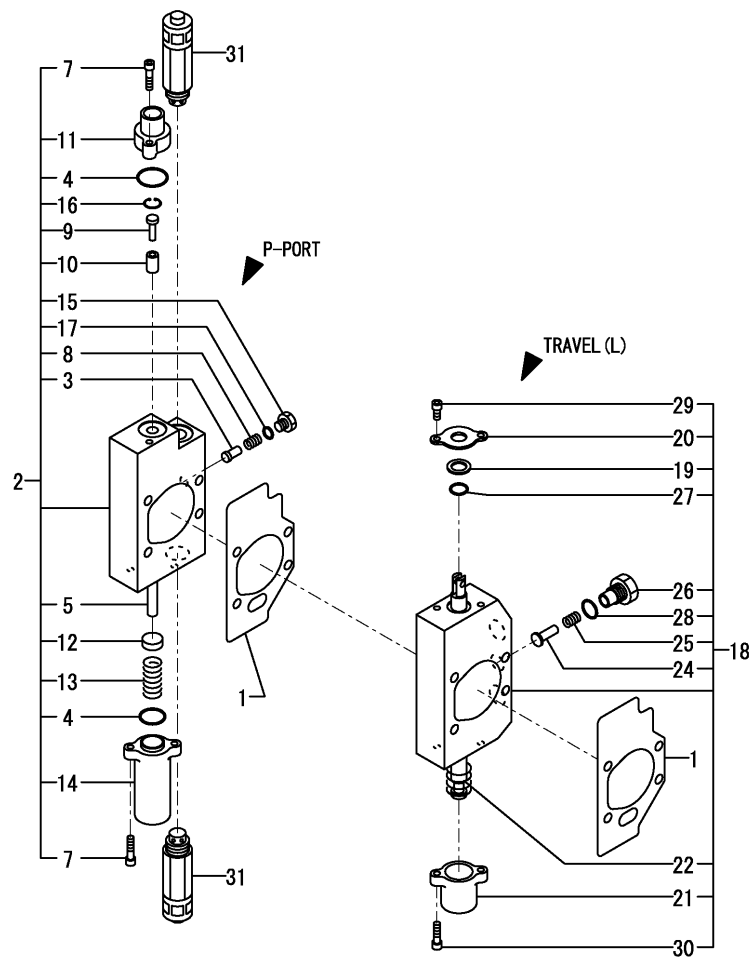
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Qty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	2	172447-74221	VALVE ASSY, RELIFE		1					
2	2	172A47-75430	GASKET		2					
3	2	172A46-74391	SECTION, BOOM		1					
4	3	172458-74150	VALVE, REVERSE		1					
5	3	172458-74160	SPRING, VALVE		1					
6	3	172A47-74220	COVER, PILOT		1					
7	3	172A47-74230	COVER, PILOT		1					
8	3	172458-74230	O-RING		2					
9	3	172458-74260	BOLT		4					
10	3	172A46-74282	SPOOL ASSY, BOOM		1					
12	3	172458-74460	PLUG		1					
13	3	172458-74630	STAY, VALVE		1					
14	3	24311-000060	O-RING, 1AP6.0		2					
15	3	24315-000110	O-RING, 1BP11.0		1					
16	2	172A46-74400	SECTION, TRAVEL		1					
16-1	2	172A46-74401	SECTION, TRAVEL		1					N
		(B=M/#XXXXX)								
17	3	172458-74130	WIPER, DUST		1					
18	3	172458-74140	RETAINER, SEAL		1					
19	3	172458-74170	CAP, SPRING		1					
19-1	3	172A78-74170	CAP, SPRING		1					N
		(B=M/#XXXXX)								
20	3	172A46-74230	SPOOL ASSY, TRAVEL		1					
22	3	172458-74290	VALVE, REVERSE		1					
23	3	172458-74360	SPRING, VALVE		1					
24	3	172458-74640	STAY, VALVE		1					
25	3	24311-000120	O-RING, 1AP12.0		1					
26	3	24315-000110	O-RING, 1BP11.0		1					
27	3	26450-050102	BOLT, M5X 10		2					
28	3	26450-050182	BOLT, M5X 18		2					

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



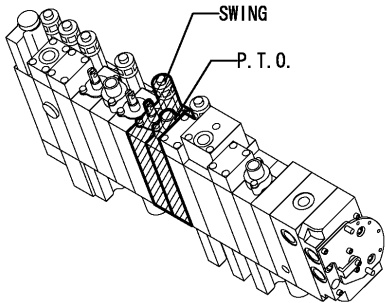
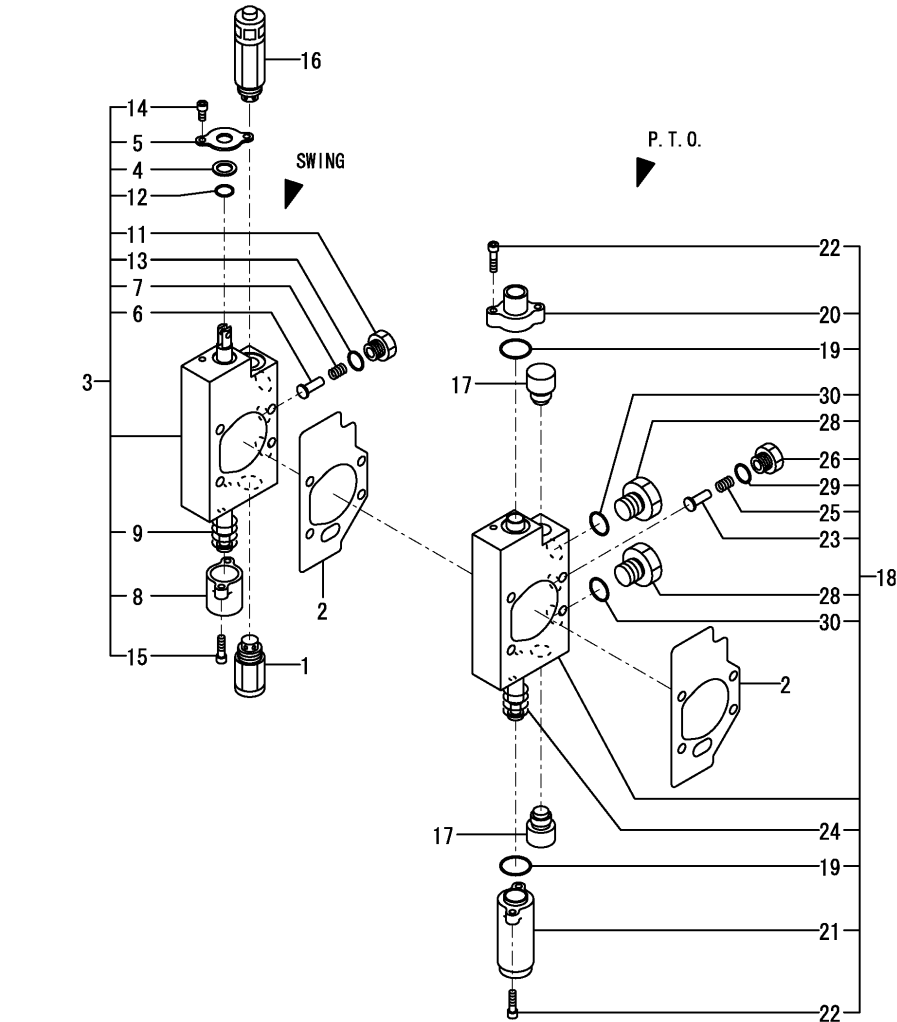
CONTROL VALVE ASSY
172A45-74101
Fig. 65 Ref. No. 1
INC. Fig. 65 Ref. No. 2~50.
Fig. 66 Ref. No. 1~28.
Fig. 67 Ref. No. 1~31.
Fig. 68 Ref. No. 1~30.
Fig. 69 Ref. No. 1~38.
Fig. 70 Ref. No. 1~27.
Fig. 71 Ref. No. 1~29.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75430	GASKET		2						
2	2	172A46-74410	VALVE		1						
3	3	172499-70180	VALVE ASSY, REVERSE		1						
4	3	172458-74230	O-RING		2						
5	3	172A46-74250	SPOOL ASSY, INLET		1						
7	3	172458-74260	BOLT		4						
8	3	172173-74280	SPRING		1						
9	3	172A47-74360	FILTER		1						
10	3	172A47-74370	PISTON		1						
11	3	172A47-74380	COVER, PILOT		1						
12	3	172458-74530	SEAT, SPRING		1						
13	3	172458-74540	SPRING, RETURN		1						
14	3	172458-74550	COVER, PILOT		1						
15	3	172458-74670	PLUG		1						
16	3	172A47-74980	CIRCLIP		1						
17	3	24315-000080	O-RING, 1BP8.0		1						
18	2	172A46-74420	SECTION, TRAVEL		1						
18-1	2	172A46-74421	SECTION, TRAVEL		1						N
(B=M/#XXXXX)											
19	3	172458-74130	WIPER, DUST		1						
20	3	172458-74140	RETAINER, SEAL		1						
21	3	172458-74170	CAP, SPRING		1						
21-1	3	172A78-74170	CAP, SPRING		1						N
(B=M/#XXXXX)											
22	3	172A46-74230	SPOOL ASSY, TRAVEL		1						
24	3	172458-74290	VALVE, REVERSE		1						
25	3	172458-74360	SPRING, VALVE		1						
26	3	172458-74640	STAY, VALVE		1						
27	3	24311-000120	O-RING, 1AP12.0		1						
28	3	24315-000110	O-RING, 1BP11.0		1						
29	3	26450-050102	BOLT, M5X 10		2						
30	3	26450-050182	BOLT, M5X 18		2						
31	2	172458-74680	VALVE, RELIEF		2						
31-1	2	172A85-74680	VALVE, RELIEF		2						N
(B=M/#XXXXX)											

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172447-74230	ANTI-CAVITATION		1						
2	2	172A47-75430	GASKET		2						
3	2	172A46-74430	SECTION, SWING		1						
3-1	2	172A46-74431 (B=M/#####)	SECTION, SWING		1						N
4	3	172458-74130	WIPER, DUST		1						
5	3	172458-74140	RETAINER, SEAL		1						
6	3	172458-74150	VALVE, REVERSE		1						
7	3	172458-74160	SPRING, VALVE		1						
8	3	172458-74170	CAP, SPRING		1						
8-1	3	172A78-74170 (B=M/#####)	CAP, SPRING		1						N
9	3	172A46-74210	SPOOL ASSY, SWING		1						
11	3	172458-74630	STAY, VALVE		1						
12	3	24311-000120	O-RING, 1AP12.0		1						
13	3	24315-000110	O-RING, 1BP11.0		1						
14	3	26450-050102	BOLT, M5X 10		2						
15	3	26450-050182	BOLT, M5X 18		2						
16	2	172458-74710	VALVE, RELIEF		1						
17	2	172A47-75460	PLUG ASSY, VALVE		2						
18	2	172A47-75550	SECTION, PTO		1						
19	3	172458-74230	O-RING		2						
20	3	172458-74240	COVER, PILOT		1						
21	3	172458-74250	COVER, PILOT		1						
22	3	172458-74260	BOLT		4						
23	3	172490-74310	VALVE, REVERSE		1						
24	3	172A47-74320	SPOOL ASSY, PTO		1						
25	3	172490-74320	SPRING, VALVE		1						
26	3	172490-74330	STAY, VALVE		1						
28	3	172458-74650	STAY, VALVE		2						
29	3	24315-000110	O-RING, 1BP11.0		1						
30	3	24315-000140	O-RING, 1BP14.0		2						

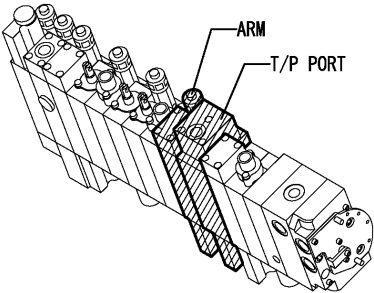
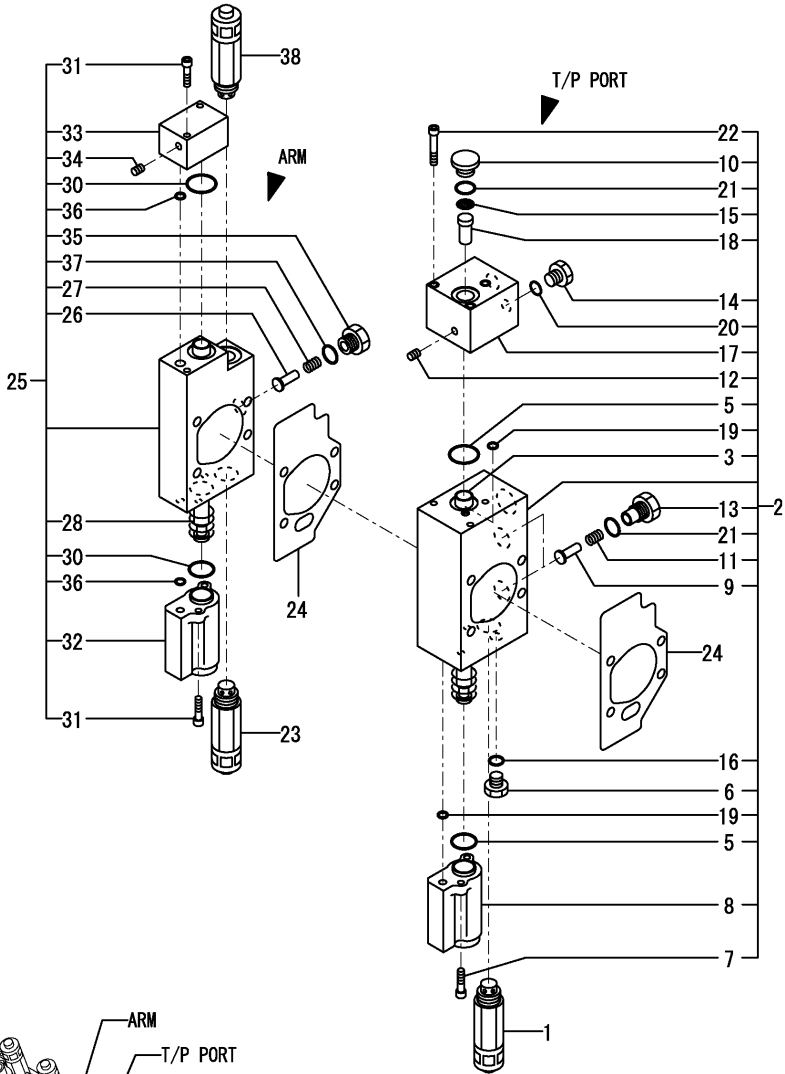


CONTROL VALVE ASSY
172A45-74101
Fig. 65 Ref. No. 1
INC. Fig. 65 Ref. No. 2~50.
Fig. 66 Ref. No. 1~28.
Fig. 67 Ref. No. 1~31.
Fig. 68 Ref. No. 1~30.
Fig. 69 Ref. No. 1~38.
Fig. 70 Ref. No. 1~27.
Fig. 71 Ref. No. 1~29.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

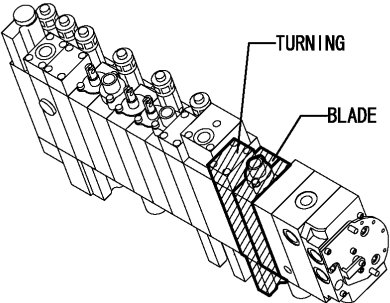
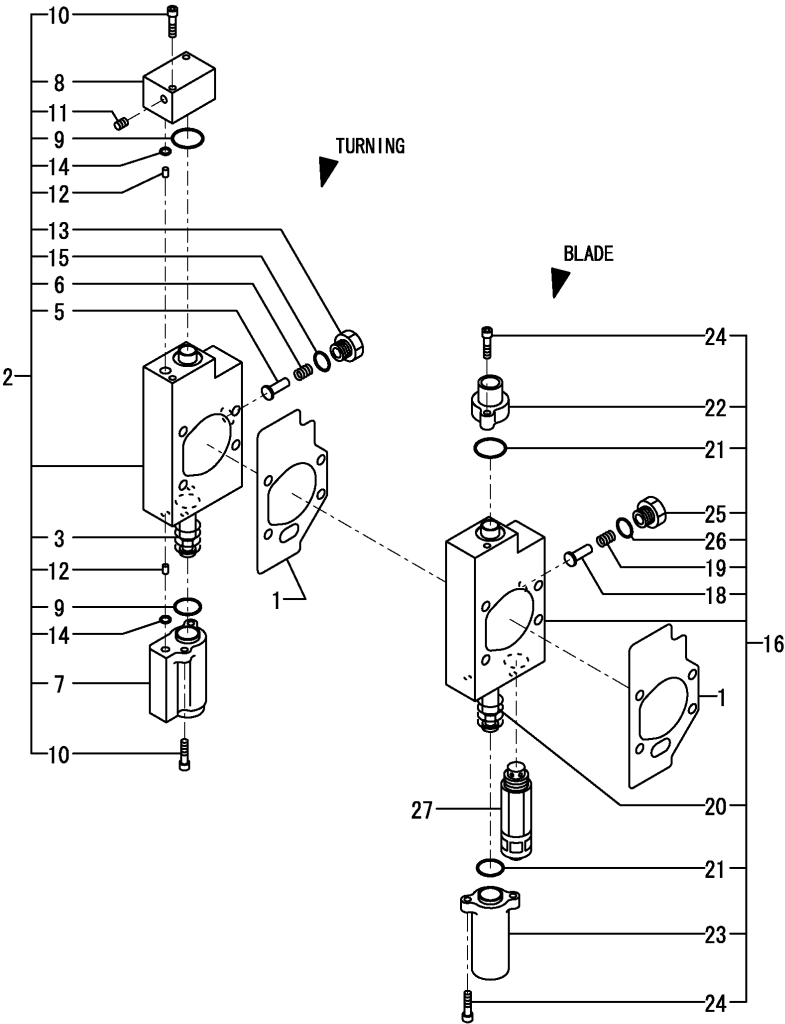
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A45-74130	VALVE ASSY, RELIEF		1						
2	2	172A45-74140	SECTION ASSY		1						
3	3	172A45-74150	SPOOL ASSY		1						
5	3	172458-74230	O-RING		2						
6	3	172A47-74260	PLUG		1						
7	3	172458-74260	BOLT		2						
8	3	172A47-74280	COVER, PILOT		1						
9	3	172458-74290	VALVE, REVERSE		2						
10	3	172183-74350	PLUG		1						
11	3	172458-74360	SPRING, VALVE		2						
12	3	172458-74460	PLUG		2						
13	3	172458-74640	STAY, VALVE		2						
14	3	172458-74670	PLUG		1						
15	3	172499-74860	FILTER		1						
16	3	172A47-74950	O-RING		1						
17	3	172A47-74960	BODY, PILOT		1						
18	3	172499-74960	PLUG		1						
19	3	24311-000060	O-RING, 1AP6.0		2						
20	3	24315-000080	O-RING, 1BP8.0		1						
21	3	24315-000110	O-RING, 1BP11.0		3						
22	3	26450-050452	BOLT, M5X 45		3						
23	2	172447-74221	VALVE ASSY, RELIFE		1						
24	2	172A47-75430	GASKET		2						
25	2	172A45-74440	SECTION, ARM		1						
26	3	172458-74150	VALVE, REVERSE		1						
27	3	172458-74160	SPRING, VALVE		1						
28	3	172A45-74170	SPOOL ASSY, ARM		1						
30	3	172458-74230	O-RING		2						
31	3	172458-74260	BOLT		4						
32	3	172A47-74280	COVER, PILOT		1						
33	3	172A47-74300	COVER, PILOT		1						
34	3	172458-74460	PLUG		1						
35	3	172458-74630	STAY, VALVE		1						
36	3	24311-000060	O-RING, 1AP6.0		2						
37	3	24315-000110	O-RING, 1BP11.0		1						
38	2	172458-74710	VALVE, RELIEF		1						



CONTROL VALVE ASSY
172A45-74101
Fig. 65 Ref. No. 1
INC. Fig. 65 Ref. No. 2~50.
Fig. 66 Ref. No. 1~28.
Fig. 67 Ref. No. 1~31.
Fig. 68 Ref. No. 1~30.
Fig. 69 Ref. No. 1~38.
Fig. 70 Ref. No. 1~27.
Fig. 71 Ref. No. 1~29.

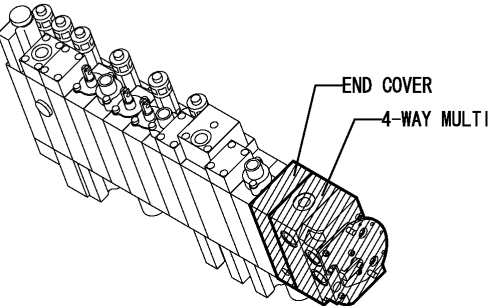
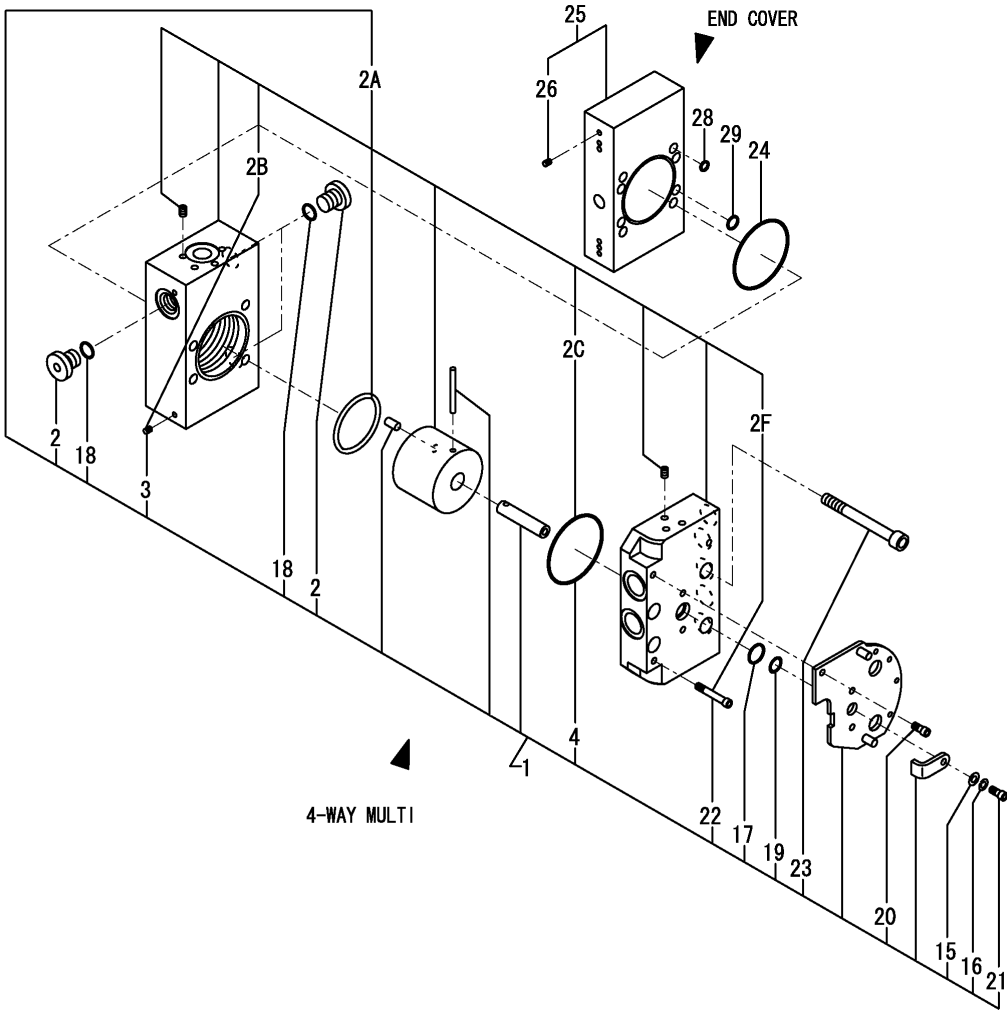
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



CONTROL VALVE ASSY
172A45-74101
Fig. 65 Ref. No. 1
INC. Fig. 65 Ref. No. 2~50.
Fig. 66 Ref. No. 1~28.
Fig. 67 Ref. No. 1~31.
Fig. 68 Ref. No. 1~30.
Fig. 69 Ref. No. 1~38.
Fig. 70 Ref. No. 1~27.
Fig. 71 Ref. No. 1~29.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75430	GASKET		2						
2	2	172A46-74461	SECTION, SWING		1						
3	3	172A46-74131	SPOOL ASSY, SWING		1						
5	3	172458-74150	VALVE, REVERSE		1						
6	3	172458-74160	SPRING, VALVE		1						
7	3	172A47-74220	COVER, PILOT		1						
8	3	172A47-74230	COVER, PILOT		1						
9	3	172458-74230	O-RING		2						
10	3	172458-74260	BOLT		4						
11	3	172458-74460	PLUG		1						
12	3	172A46-74480	THROTTLE		2						
13	3	172458-74630	STAY, VALVE		1						
14	3	24311-000060	O-RING, 1AP6.0		2						
15	3	24315-000110	O-RING, 1BP11.0		1						
16	2	172A47-75591	SECTION, BLADE		1						
18	3	172458-74150	VALVE, REVERSE		1						
19	3	172458-74160	SPRING, VALVE		1						
20	3	172A47-75671	SPOOL ASSY, BLADE		1						
21	3	172458-74230	O-RING		2						
22	3	172458-74240	COVER, PILOT		1						
23	3	172458-74250	COVER, PILOT		1						
24	3	172458-74260	BOLT		4						
25	3	172458-74630	STAY, VALVE		1						
26	3	24315-000110	O-RING, 1BP11.0		1						
27	2	172458-74700	VALVE, RELIEF		1						



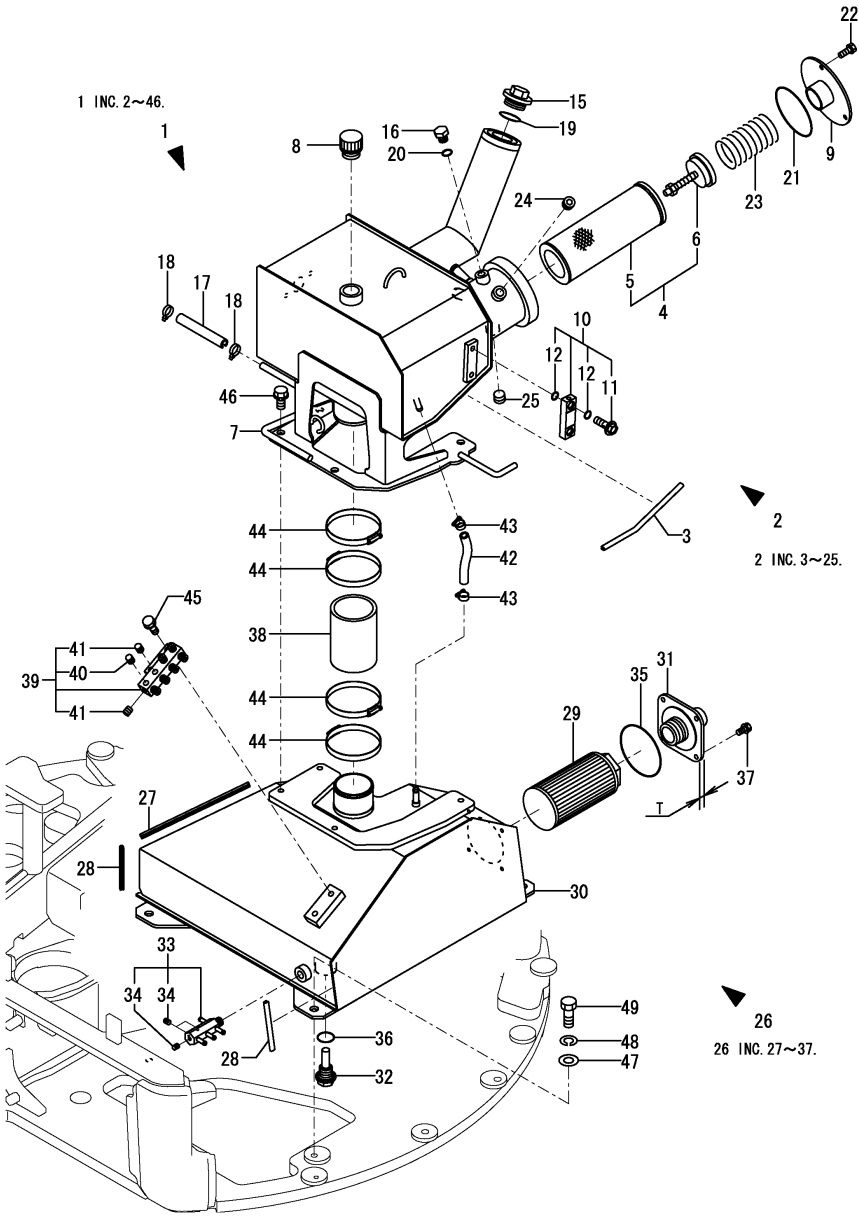
CONTROL VALVE ASSY
172A45-74101
Fig. 65 Ref. No. 1
INC. Fig. 65 Ref. No. 2~50.
Fig. 66 Ref. No. 1~28.
Fig. 67 Ref. No. 1~31.
Fig. 68 Ref. No. 1~30.
Fig. 69 Ref. No. 1~38.
Fig. 70 Ref. No. 1~27.
Fig. 71 Ref. No. 1~29.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-74200	VALVE		1						
2	3	172183-74350	PLUG		3						
2A	3	172A47-75900	BODY, 4-WAY KIT		1						W
(B=M/#XXXXX)											
2B	4	172458-74460	PLUG		2						
2C	4	172A47-75420	O-RING		1						
2F	4	26450-050302	BOLT, M5X 30		2						
3	3	172458-74460	PLUG		2						Z
(B=M/#XXXXX)											
4	3	172A47-75420	O-RING		1						Z
(B=M/#XXXXX)											
15	3	22137-050000	WASHER, 5		1						
16	3	22217-050000	WASHER, SPRING 5		1						
17	3	24311-240100	O-RING, 1AP10A		1						
18	3	24315-000110	O-RING, 1BP11.0		3						
19	3	24373-240100	RING, BACK UP T3P10A		1						
20	3	26450-050102	BOLT, M5X 10		3						
21	3	26450-050102	BOLT, M5X 10		1						
22	3	26450-050302	BOLT, M5X 30		2						Z
(B=M/#XXXXX)											
23	3	26450-080752	BOLT, M8X 75		4						
24	2	172A47-75420	O-RING		1						
25	2	172A47-75600	COVER ASSY, END		1						
26	3	172458-74460	PLUG		8						
28	2	24311-000060	O-RING, 1AP6.0		7						
29	2	24311-000090	O-RING, 1AP9.0		2						

Fig.72. HYD.OIL TANK

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

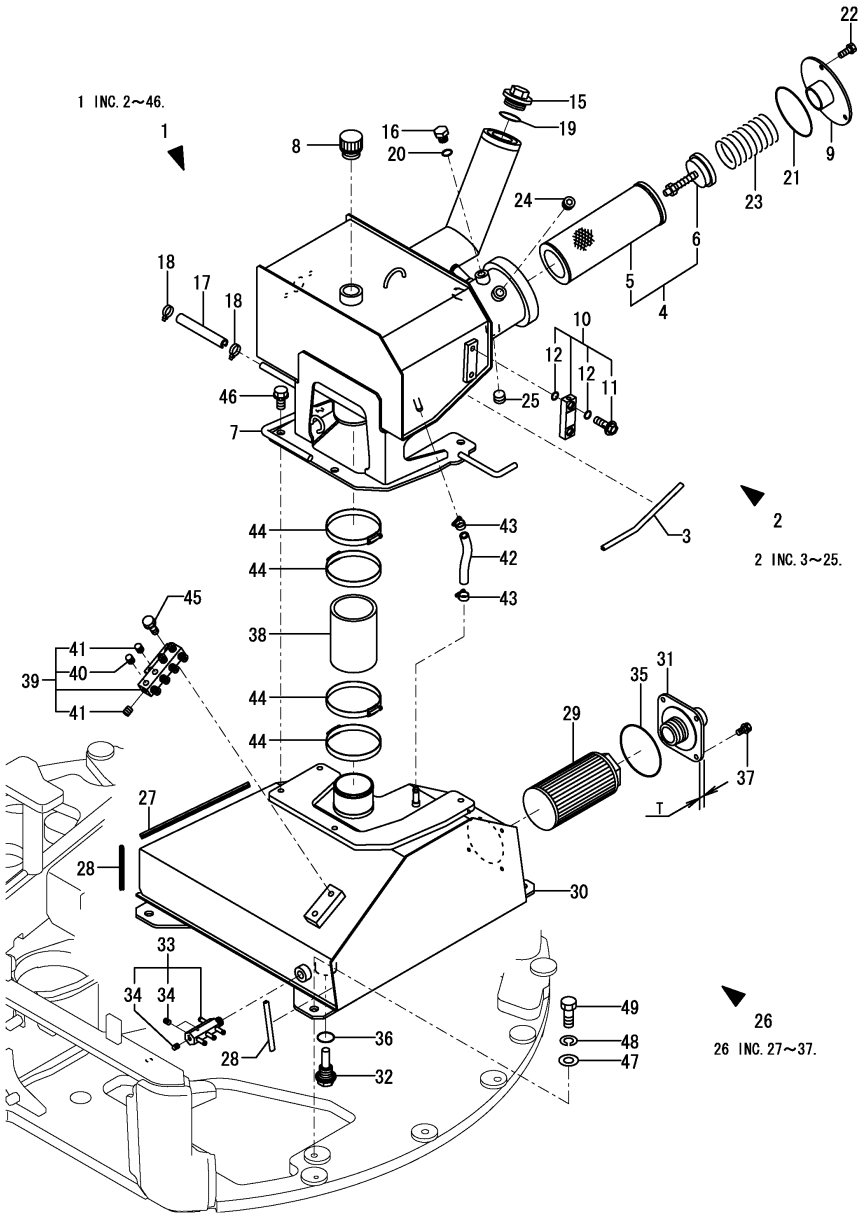
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A46-75100	TANK ASSY, OIL	1	1						
2	2	772A46-75200	TANK ASSY, OIL	1	1						
3	3	172434-61190	TRIM	1	1						
4	3	172175-73700	FILTER ASSY, RETURN	1	1						
5	4	172175-73710	ELEMENT, FILTER	1	1						
6	4	172141-73770	VALVE ASSY, BYPASS	1	1						
7	3	172A46-75201	TANK ASSY, RESERVOIR	1	1						
7-1	3	172A46-75202	TANK ASSY, RESERVOIR	1	1						N
		(A=M/#XXXXXX) (B=M/#XXXXXX)									
8	3	172446-75250	CAP, RESERVER	1	1						
9	3	172A47-75340	COVER, TANK	1	1						
10	3	172447-75600	GAUGE ASSY	1	1						
11	4	172455-75290	BOLT	2	2						
12	4	172455-75300	O-RING	4	4						
15	3	172116-75850-B	PLUG, OIL FEED	1	1						
16	3	172165-76590	PLUG	1	1						
17	3	172A46-79200	HOSE	1	1						
18	3	172122-79930	CLAMP, HOSE	2	2						
19	3	24311-000380	O-RING, 1AP38.0	1	1						
20	3	24315-000110	O-RING, 1BP11.0	1	1						
21	3	24321-001050	O-RING, 1AG105.0	1	1						
22	3	26013-080202	BOLT, M8X 20	3	3						
23	3	933152-02710	SPRING, CLUTCH	1	1						
24	3	23871-030000	PLUG, R03	1	1						
25	3	23871-030000	PLUG, R03	1	1						
26	2	772A46-75110	TANK ASSY, RESERVOIR	1	1						
27	3	172183-05330	TRIM	1	1						
28	3	172458-18850	TRIM	2	2						
29	3	172146-73730	FILTER, SUCTION	1	1						
30	3	172A46-75100	TANK ASSY, RESERVOIR	1	1						
31	3	172183-75410	FLANGE, SUCTION	1	1						
31-1	3	172A46-75500	FLANGE, SUCTION	1	1						F 1
		(A=M53678) (B=M53678)									
32	3	172187-75500	PLUG	1	1						
33	3	172A47-76300	BLOCK, DRAIN	1	1						
34	4	23871-020000	PLUG, R02	3	3						
35	3	24321-001050	O-RING, 1AG105.0	1	1						
36	3	24341-000300	O-RING, 1AS30.0	1	1						
37	3	26013-080162	BOLT, M8X 16	4	4						
37-1	3	26014-080252	BOLT, M8X 25	4	4						S
		(A=M53678) (B=M53678)									
38	2	172A46-75300	HOSE, RESERVOIR	1	1						
39	2	172A47-76310	BLOCK, PILOT	1	1						
40	3	23871-010000	PLUG, R01	1	1						
41	3	23871-020000	PLUG, R02	2	2						
42	2	172A46-79120	HOSE	1	1						
43	2	23001-016000	CLAMP, HOSE 16	2	2						
44	2	23001-102000	CLAMP, HOSE 102	4	4						
45	2	26013-100162	BOLT, M10X 16	2	2						
45-1	2	26013-100202	BOLT, M10X 20	2	2						N
		(A=MZZZZZ) (B=MZZZZZ)									

Remarks
(1)T=REF.NO.31 6MM, NO.31-1 12MM.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.37-1.

Fig.72. HYD.OIL TANK



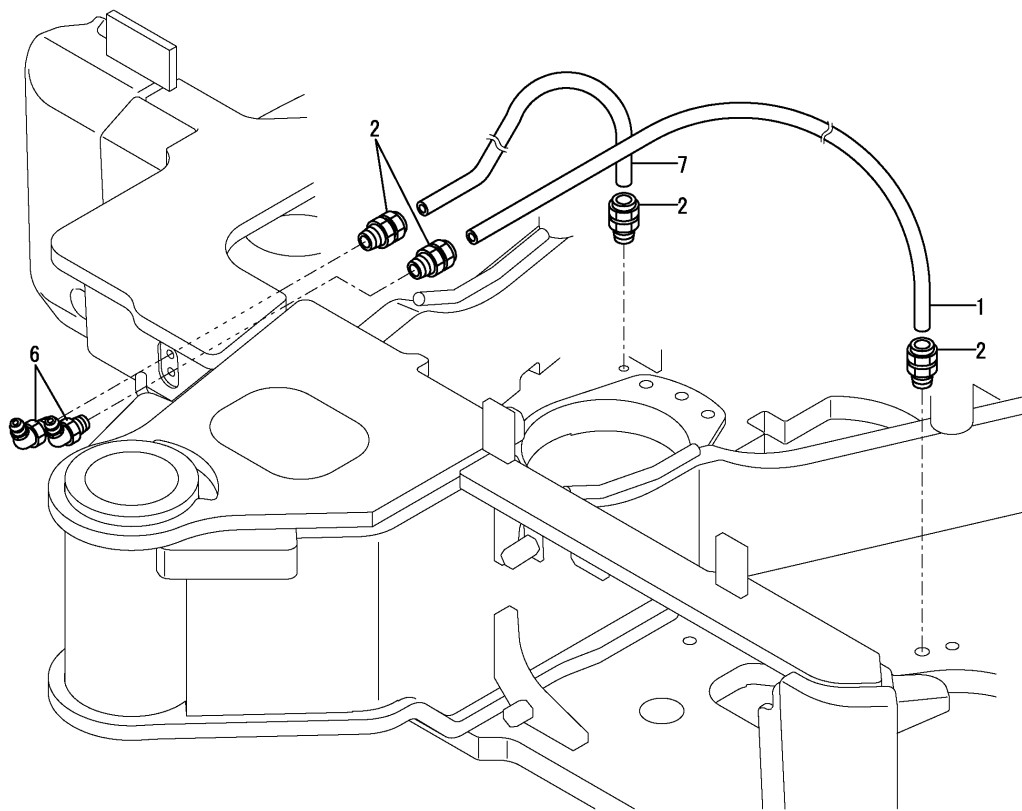
Remarks
(1)T=REF.NO.31 6MM, NO.31-1 12MM.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.37-1.

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

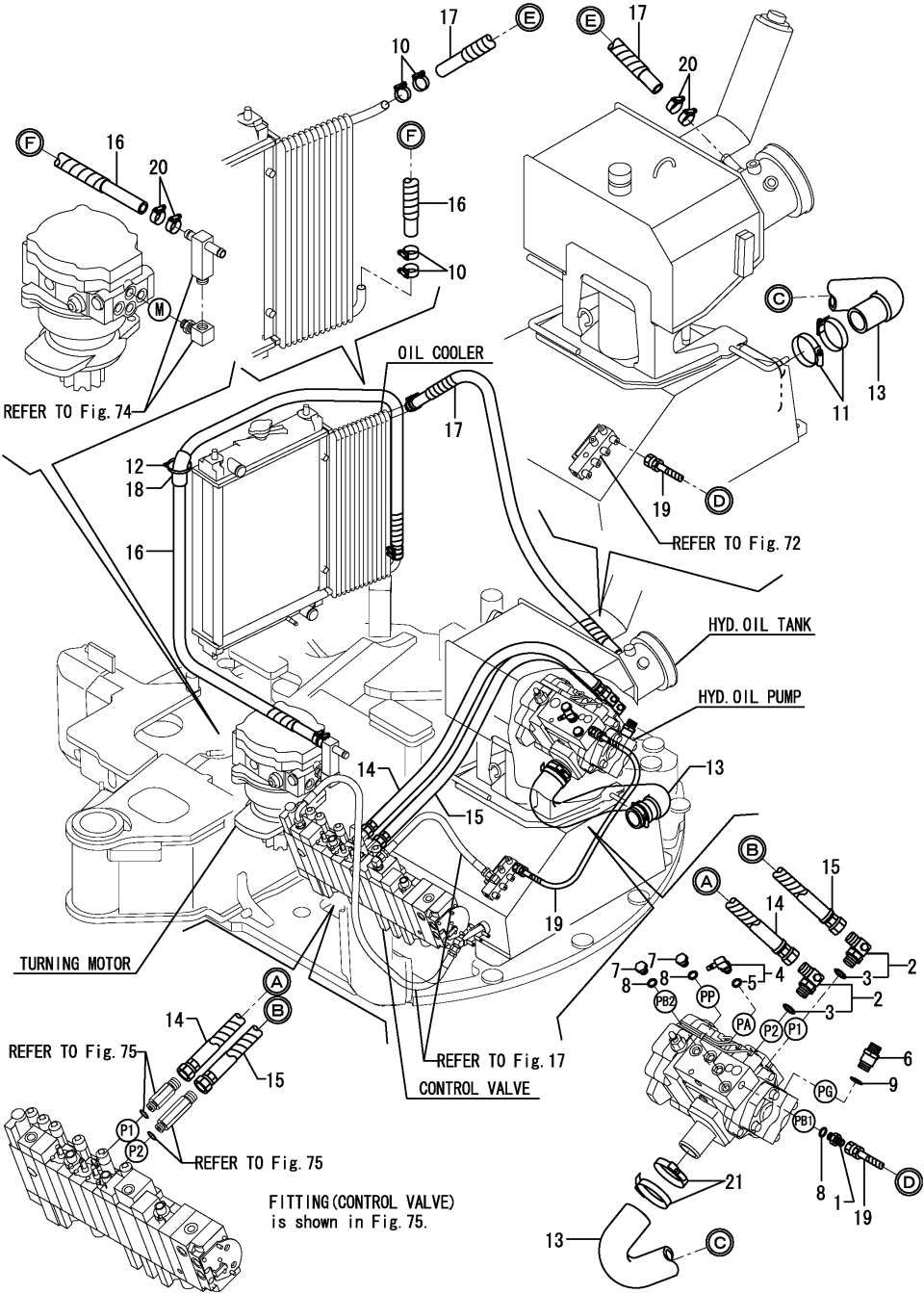
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
46	2	26013-120252	BOLT, M12X 25	3	3						
47	1	22137-140000	WASHER, 14	3	3						
48	1	22217-140000	WASHER, SPRING 14	3	3						
49	1	26116-140352	BOLT, M14X 35 PLATED	3	3						

Fig.34. GREASING



No.	Lev.	Parts No.	Description	(A)=VIO35-5B P(KR) (B)=VIO35-5B P(KR,30B) (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-77800	HOSE	1	1						
2	1	172A47-77820	JOINT, GREASE	4	4						
6	1	24761-040000	NIPPLE, GREASE B	2	2						
7	1	172A52-77800	HOSE	1	1						

Fig.73. HYD.OIL PIPING(TANK - PUMP, CONTROL VALVE)

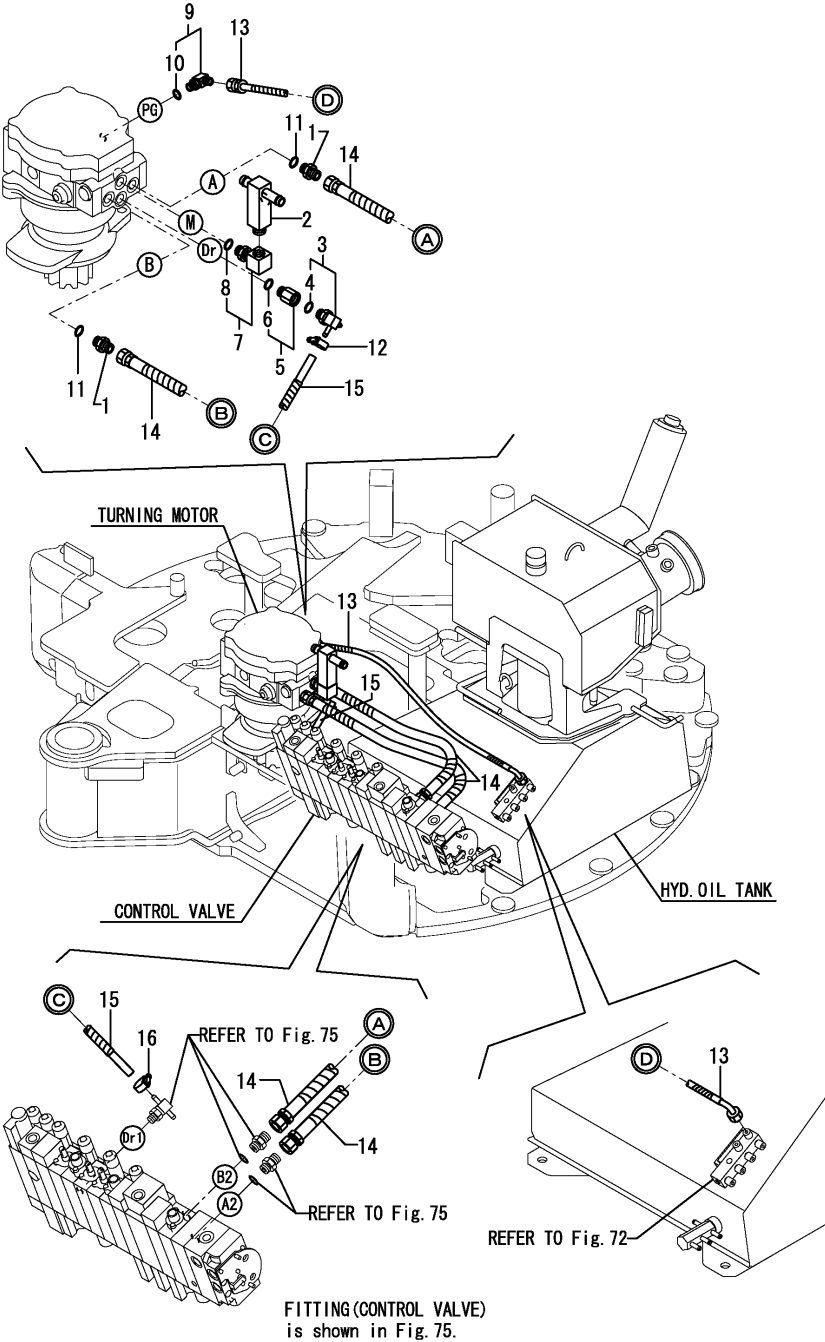


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	1	1						
2	1	172A47-76151	ELBOW	2	2						
3	2	41851-000180	O-RING	2	2						
4	1	172A47-76261	ELBOW, COUPLER	1	1						
5	2	41851-000110	O-RING	1	1						
6	1	172147-76271	CONNECTOR, 1/2X1/2	1	1						
7	1	172165-76590	PLUG	2	2						
8	1	24315-000110	O-RING, 1BP11.0	3	3						
9	1	24315-000180	O-RING, 1BP18.0	1	1						
10	1	23001-025000	CLAMP, HOSE 25	4	4						
11	1	23001-060000	CLAMP, HOSE 60	2	2						
12	1	172183-16560	CLIP, HOSE	1	1						
13	1	172A46-78100	HOSE, SUCTION	1	1						
14	1	172A46-78111	HOSE	1	1						
15	1	172A46-78121	HOSE	1	1						
16	1	172A46-78321	HOSE	1	1						
17	1	172A46-78330	HOSE	1	1						
18	1	172A46-78500	HOSE	1	1						
19	1	172A46-78570	HOSE	1	1						
20	1	23001-025000	CLAMP, HOSE 25	4	4						
21	1	23001-070000	CLAMP, HOSE 70	2	2						

Fig.74. HYD.OIL PIPING(CONTROL VALVE - TURNING MOTOR)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

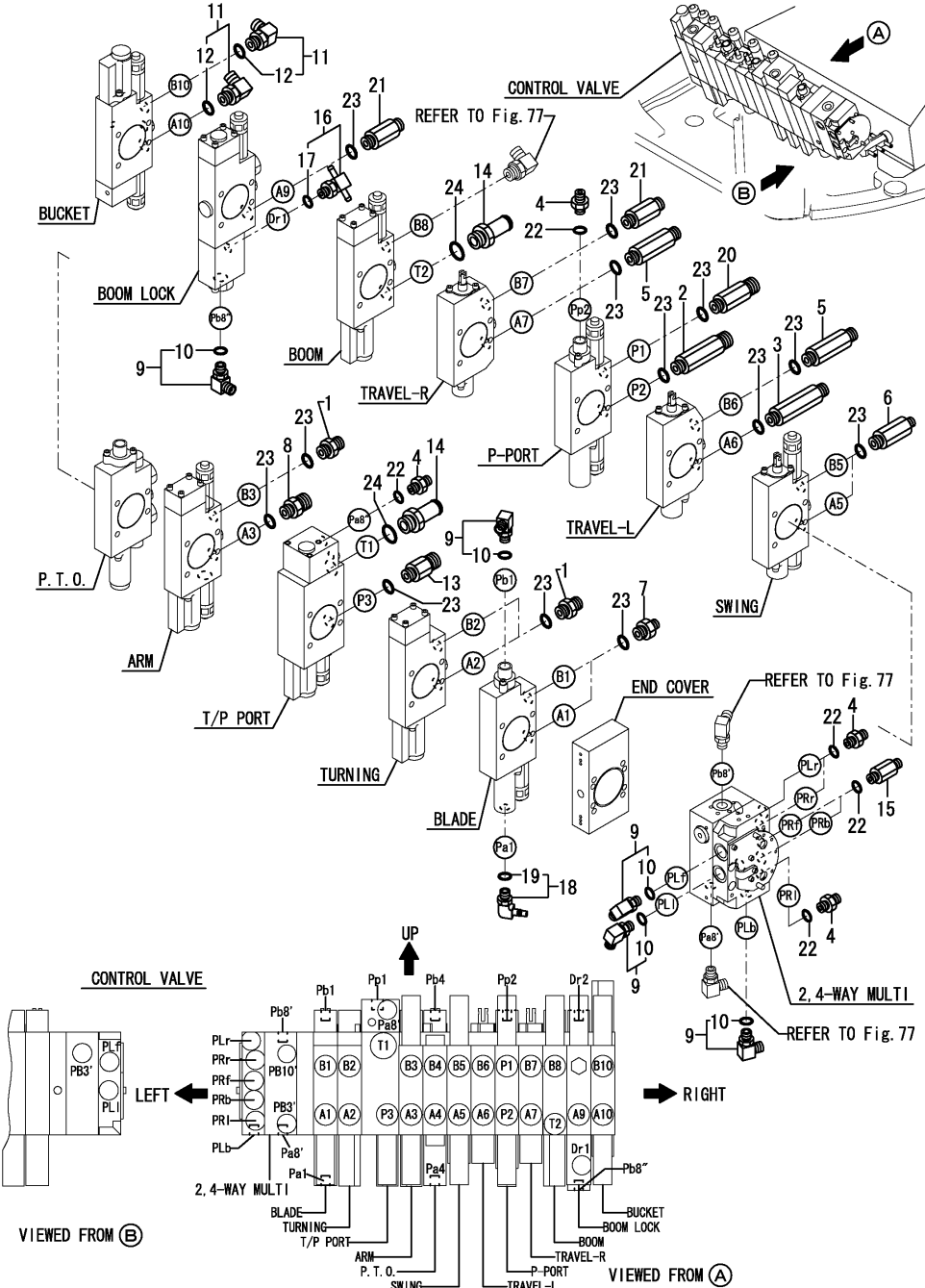


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	2	2						
2	1	172A46-76100	NIPPLE, TEE	1	1						
3	1	172A52-76110	NIPPLE, TEE	1	1						
4	2	24315-000140	O-RING, 1BP14.0	1	1						
5	1	172A52-76130	ADAPTER	1	1						
6	2	24315-000140	O-RING, 1BP14.0	1	1						
7	1	172458-76160	ELBOW	1	1						
8	2	24315-000140	O-RING, 1BP14.0	1	1						
9	1	172141-76181	CONNECTOR ASSY, 02FF	1	1						
10	2	41851-000110	O-RING	1	1						
11	1	24315-000140	O-RING, 1BP14.0	2	2						
12	1	23000-013000	CLAMP, 13	1	1						
13	1	172A46-78581	HOSE	1	1						
14	1	172A46-78260	HOSE	2	2						
15	1	172A46-78350	HOSE	1	1						
16	1	23000-013000	CLAMP, 13	1	1						

Fig.75. HYD.OIL PIPING(CONTROL VALVE : FITTING)

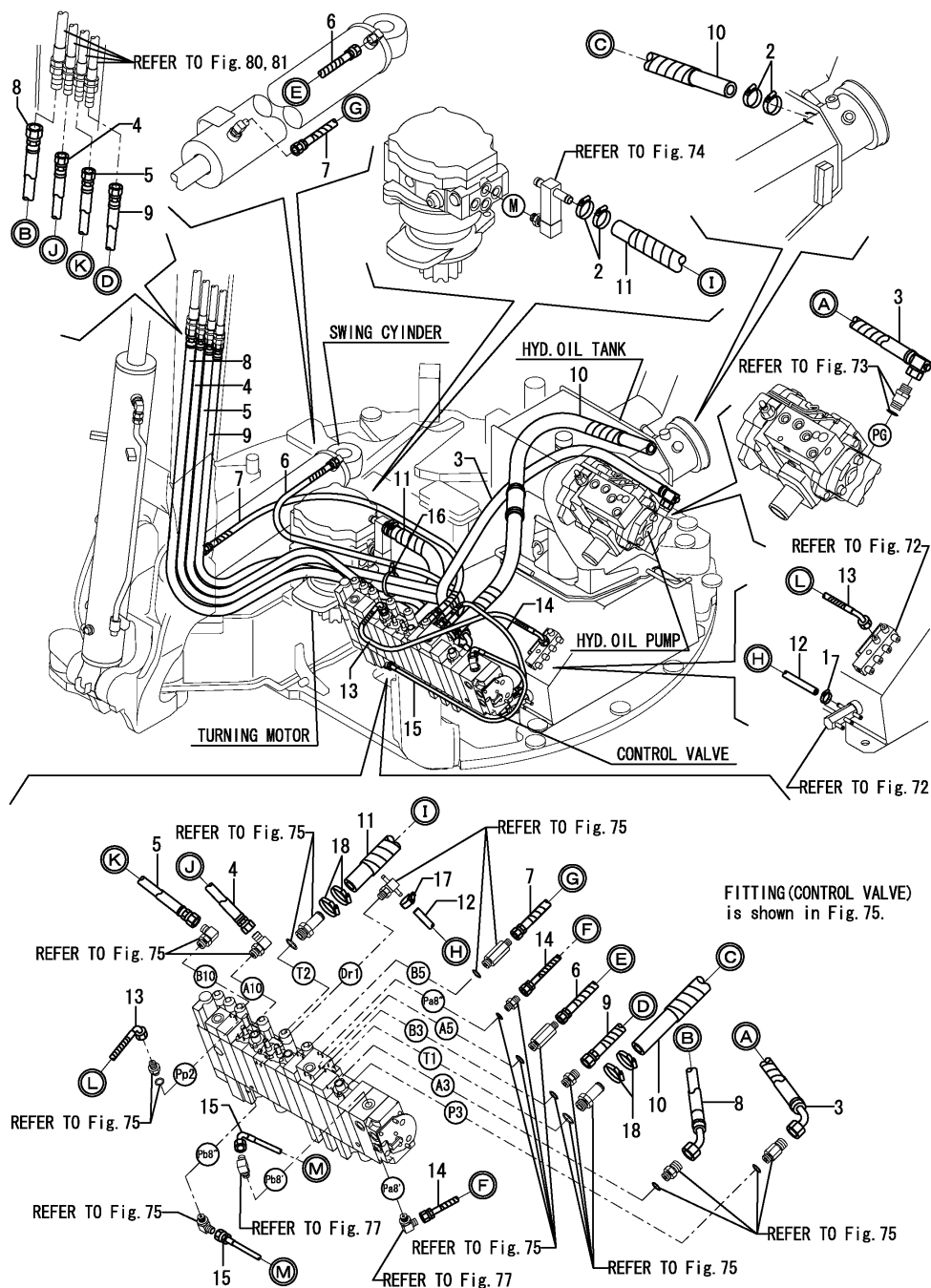
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



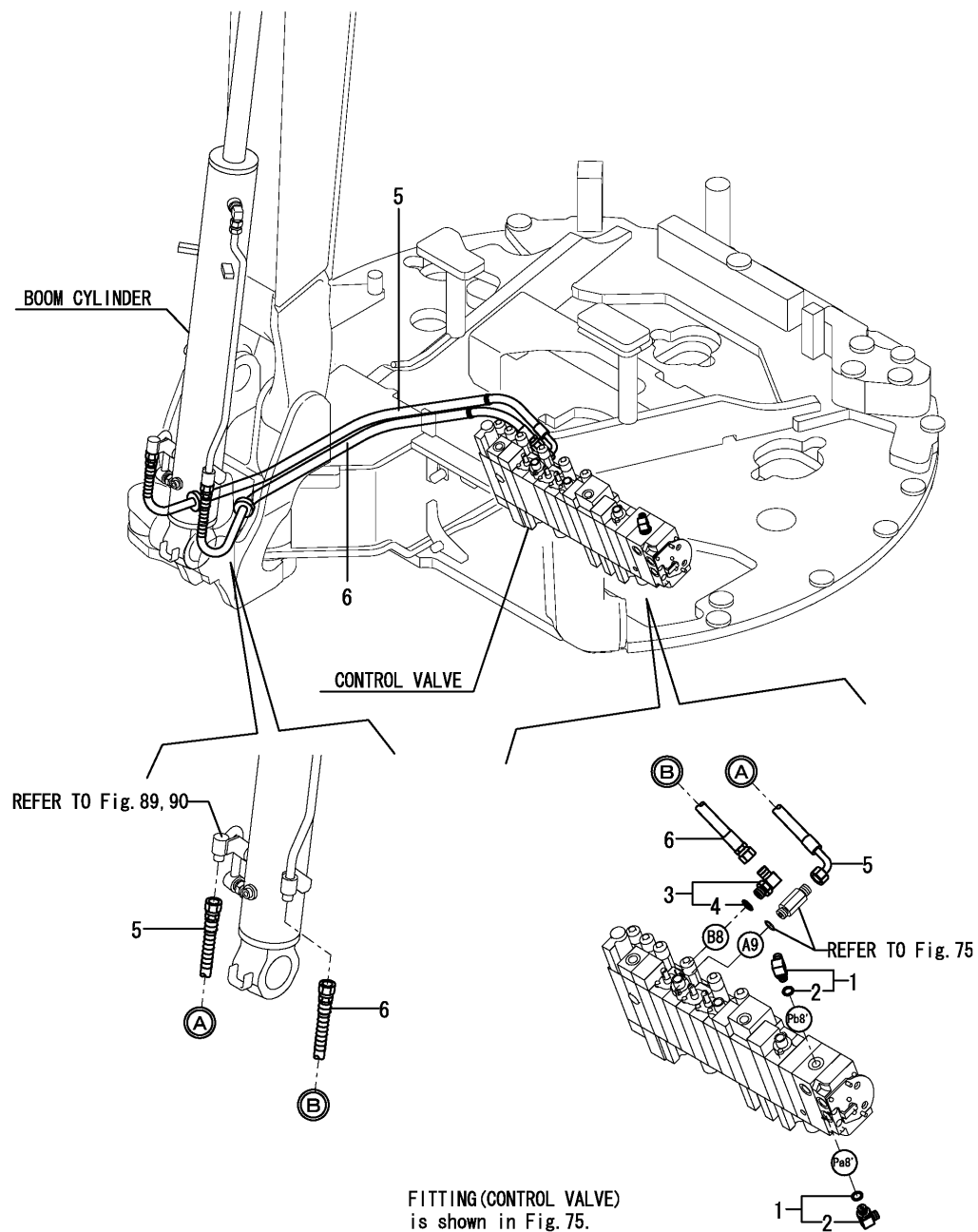
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	3	3						
2	1	172A46-76110	CONNECTOR	1	1						
3	1	172A46-76120	CONNECTOR	1	1						
4	1	172123-76121	ADAPTER	5	5						
5	1	172162-76131	ADAPTER	2	2						
6	1	172422-76130	CONNECTOR	2	2						
7	1	172124-76160	CONNECTOR	2	2						
8	1	172168-76162	CONNECTOR, PF1/2X3/8	1	1						
9	1	172141-76181	CONNECTOR ASSY, 02FF	5	5						
10	2	41851-000110	O-RING	5	5						
11	1	172142-76181	JOINT ASSY	2	2						
12	2	24315-000140	O-RING, 1BP14.0	2	2						
13	1	172422-76180	CONNECTOR, PF3/8X1/2	1	1						
14	1	172A47-76191	NIPPLE	2	2						
15	1	172183-76200	CONNECTOR	2	2						
16	1	172A47-76230	NIPPLE, TEE	1	1						
17	2	24315-000110	O-RING, 1BP11.0	1	1						
18	1	172A47-76261	ELBOW, COUPLER	1	1						
19	2	41851-000110	O-RING	1	1						
20	1	172192-76340	CONNECTOR	1	1						
21	1	172116-76381	ADAPTER, 64	2	2						
22	1	24315-000110	O-RING, 1BP11.0	7	7						
23	1	24315-000140	O-RING, 1BP14.0	16	16						
24	1	24315-000180	O-RING, 1BP18.0	2	2						

Fig.76. HYD.OIL PIPING(CONTROL VALVE - BOOM, SWING)



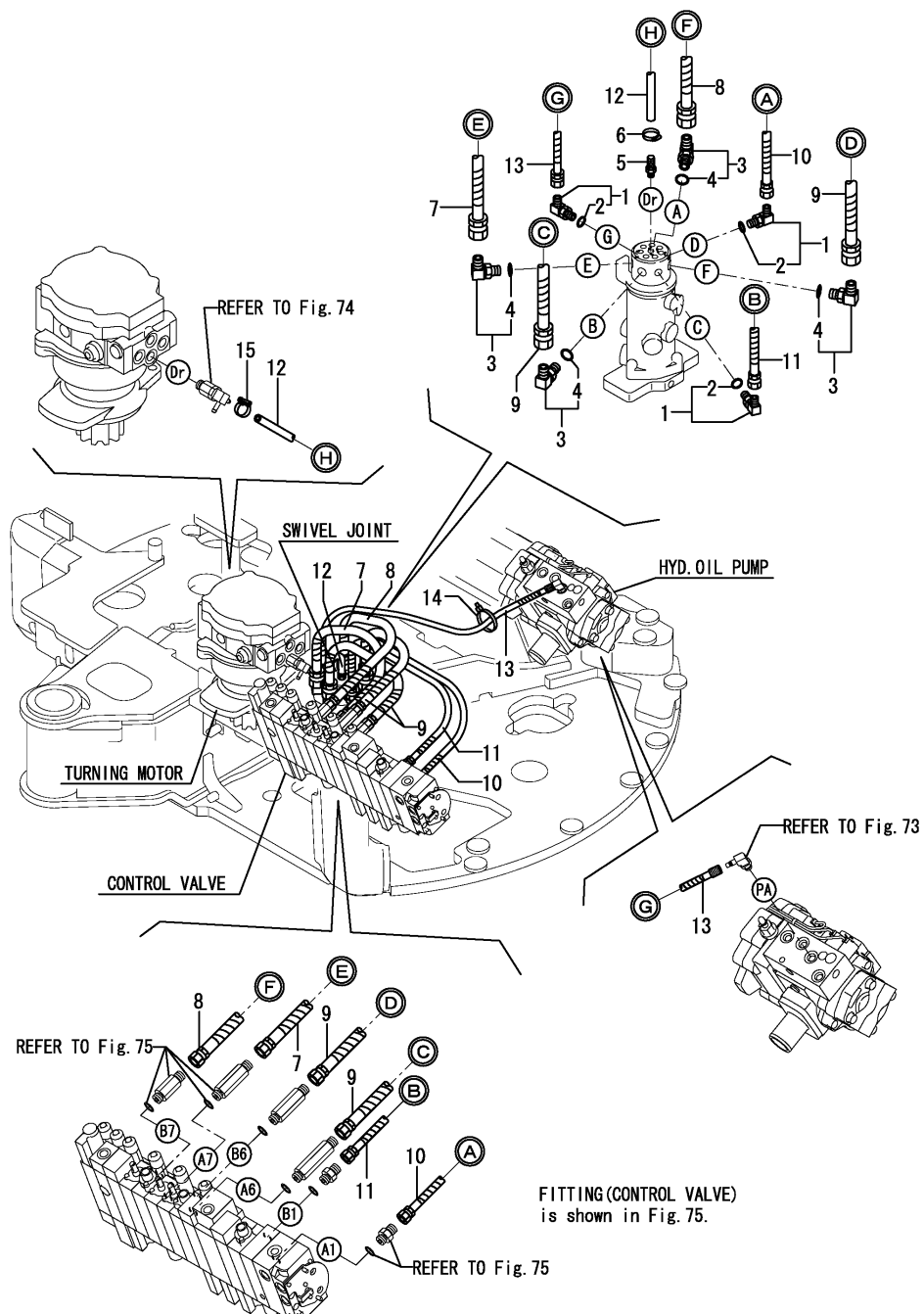
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23000-013000	CLAMP, 13	1	1						
2	1	23001-025000	CLAMP, HOSE 25	4	4						
3	1	172A46-78131	HOSE	1	1						
4	1	172A46-78140	HOSE	1	1						
5	1	172A46-78150	HOSE	1	1						
6	1	172A46-78220	HOSE	1	1						
7	1	172A46-78230	HOSE	1	1						
8	1	172A46-78240	HOSE	1	1						
9	1	172A46-78250	HOSE	1	1						
10	1	172A46-78300	HOSE	1	1						
11	1	172A46-78310	HOSE	1	1						
12	1	172A46-78360	HOSE	1	1						
13	1	172A46-78590	HOSE	1	1						
14	1	172A47-78610	HOSE	1	1						
15	1	172A47-78620	HOSE	1	1						
16	1	172122-79890	CLAMP, HOSE	1	1						
17	1	23000-013000	CLAMP, 13	1	1						
18	1	23001-025000	CLAMP, HOSE 25	4	4						

Fig.77. HYD.OIL PIPING(CONTROL VALVE - BOOM CYLINDER)



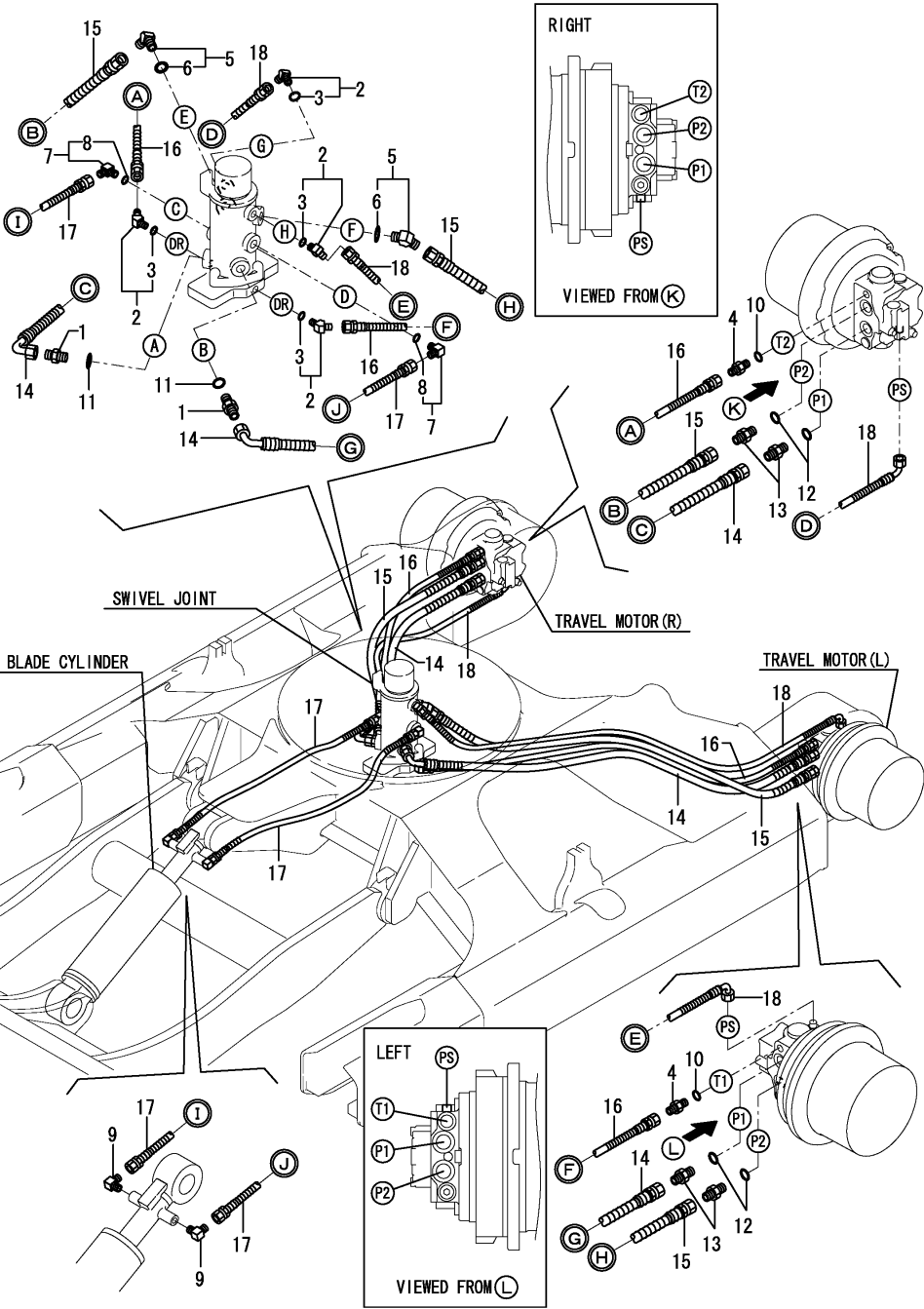
No.	Lev.	Parts No.	Description	(A)=VIO35-5B P(KR) (B)=VIO35-5B P(KR,30B) (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-76181	CONNECTOR ASSY, 02FF	2	2						
2	2	41851-000110	O-RING	2	2						
3	1	172142-76181	JOINT ASSY	1	1						
4	2	24315-000140	O-RING, 1BP14.0	1	1						
5	1	172A46-78160	HOSE	1	1						
6	1	172A46-78170	HOSE	1	1						

Fig.78. HYD.OIL PIPING(CONTROL VALVE - SWIVEL JOINT)

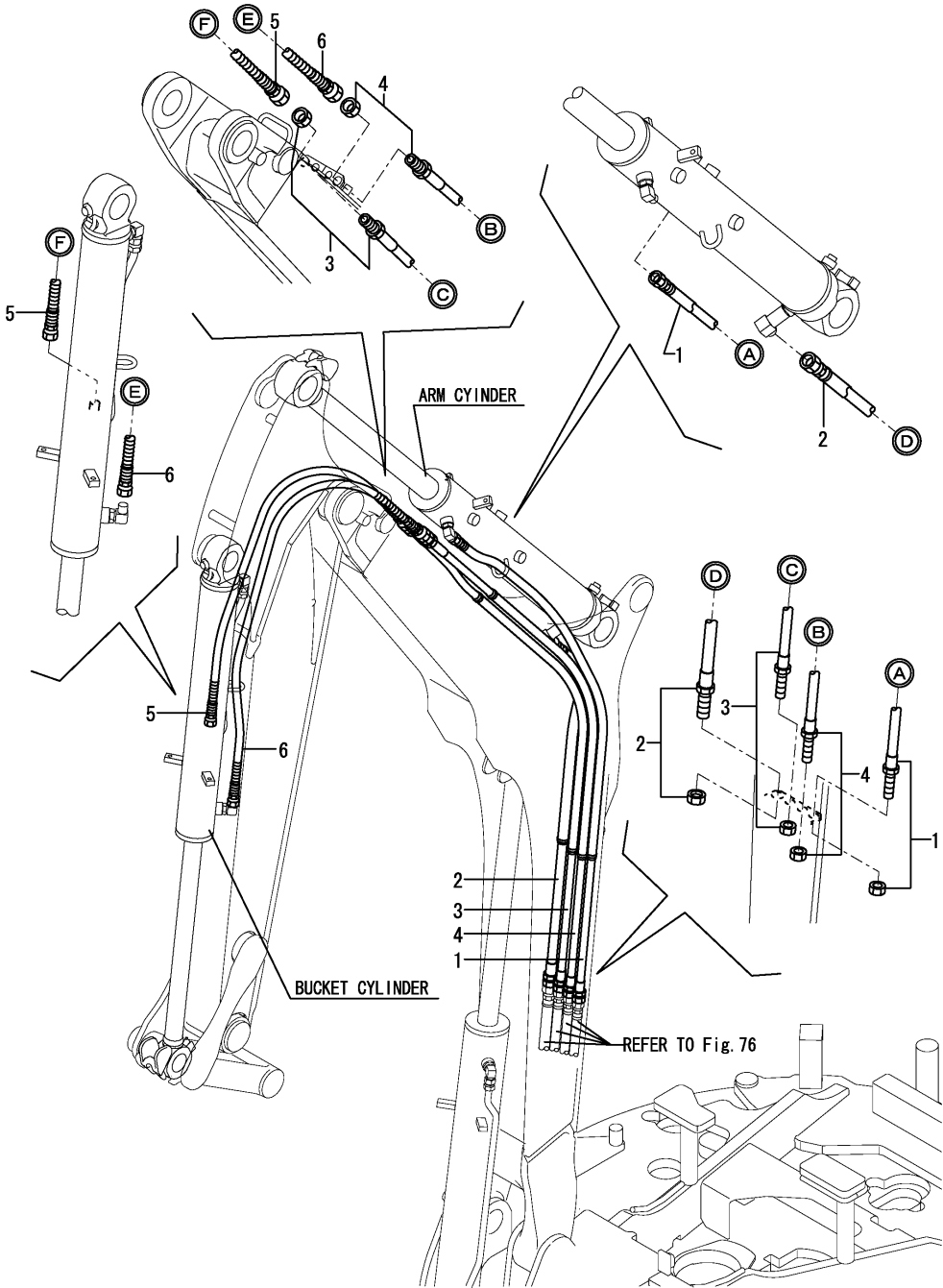


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-76181	CONNECTOR ASSY, 02FF	3	3						
2	2	41851-000110	O-RING	3	3						
3	1	172142-76181	JOINT ASSY	4	4						
4	2	24315-000140	O-RING, 1BP14.0	4	4						
5	1	172141-76220	NIPPLE	1	1						
6	1	23000-013000	CLAMP, 13	1	1						
7	1	172A46-78180	HOSE	1	1						
8	1	172A46-78190	HOSE	1	1						
9	1	172A46-78200	HOSE	2	2						
10	1	172A46-78280	HOSE	1	1						
11	1	172A46-78290	HOSE	1	1						
12	1	172A46-78340	HOSE	1	1						
13	1	172A46-78600	HOSE	1	1						
14	1	172122-79930	CLAMP, HOSE	1	1						
15	1	23000-013000	CLAMP, 13	1	1						

OCS10-M53200 HYDRAULIC OIL PIPING
Fig.79. HYD.OIL PIPING(TRACK FRAME)

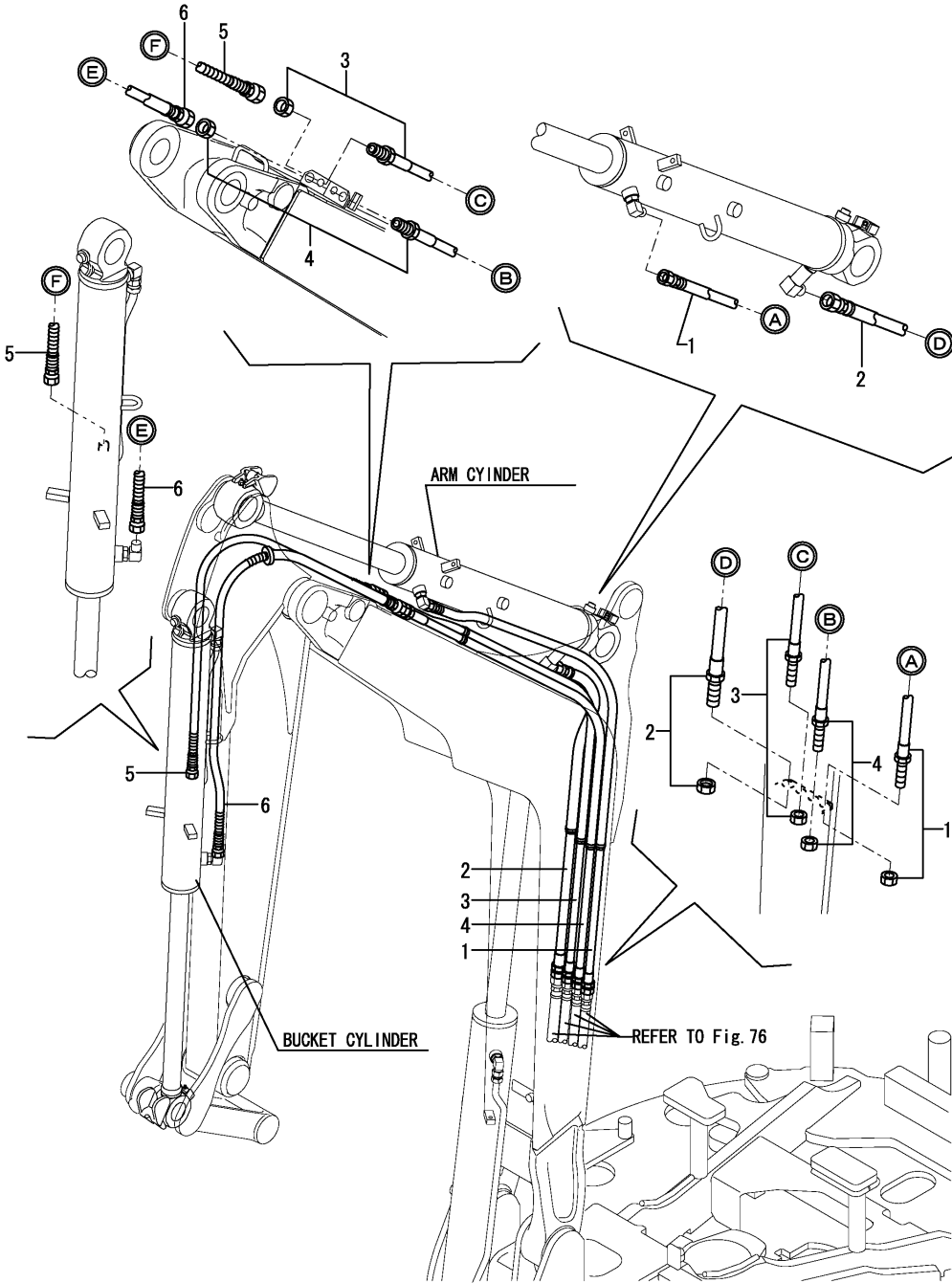


							OCS10-M53200 Fig.79					
							(A)=VIO35-5B P(KR)		(D)=			
							(B)=VIO35-5B P(KR,30B)		(E)=			
							(C)=		(F)=			
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172730-75141	ADAPTER	2	2							
2	1	172173-76102	CONNECTOR ASSY	4	4							
3	2	41851-000110	O-RING	4	4							
4	1	172123-76121	ADAPTER	2	2							
5	1	172644-76161	ELBOW, ADJUST	2	2							
6	2	24315-000140	O-RING, 1BP14.0	2	2							
7	1	172141-76181	CONNECTOR ASSY, 02FF	2	2							
8	2	41851-000110	O-RING	2	2							
9	1	23393-020000	JOINT, 90RGI-1/4	2	2							
10	1	24315-000110	O-RING, 1BP11.0	2	2							
11	1	24315-000140	O-RING, 1BP14.0	2	2							
12	1	24315-000180	O-RING, 1BP18.0	4	4							
13	1	933160-01370	CONNECTOR,PF1/2PF3/8	4	4							
14	1	172422-78362	HOSE	2	2							
15	1	172422-78372	HOSE	2	2							
16	1	172422-78383	HOSE	2	2							
17	1	172422-78390	HOSE	2	2							
18	1	172458-78562	HOSE	2	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-78400	HOSE	1							
2	1	172A46-78390	HOSE	1							
3	1	172A46-78410	HOSE	1							
4	1	172A46-78420	HOSE	1							
5	1	172A77-78430	HOSE	1							
6	1	172A77-78690	HOSE	1							

Fig.81. HYD.OIL PIPING(BOOM)(30B)



0CS10-M53200 Fig.81

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A45-78400	HOSE		1						
2	1	172A45-78390	HOSE		1						
3	1	172A45-78410	HOSE		1						
4	1	172A45-78420	HOSE		1						
5	1	172A85-78430	HOSE		1						
6	1	172A85-78690	HOSE		1						

Fig.82. HYD.OIL PIPING(P.T.O. : PEDAL)

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-74800	VALVE ASSY, FOOT	1	1						
2	1	172137-76100	ELBOW	1	1						
3	2	24315-000110	O-RING, 1BP11.0	1	1						
4	1	172173-76102	CONNECTOR ASSY	1	1						
5	2	41851-000110	O-RING	1	1						
6	1	172958-76130	ELBOW	1	1						
7	2	24315-000110	O-RING, 1BP11.0	1	1						
8	1	172141-76181	CONNECTOR ASSY, 02FF	1	1						
9	2	41851-000110	O-RING	1	1						
10	1	172A46-79130	HOSE	1	1						
11	1	172A46-79140	HOSE	1	1						
12	1	172A46-79150	HOSE	1	1						
13	1	172A46-79160	HOSE	1	1						
14	1	172122-79930	CLAMP, HOSE	1	1						
15	1	23000-013000	CLAMP, 13	1	1						
16	1	23394-020000	JOINT, 45RGI-1/4	1	1						
17	1	26013-100252	BOLT, M10X 25	2	2						
18	1	194202-56460	BAND, 200	1	1						W

(A=MZZZZZ) (B=MZZZZZ)

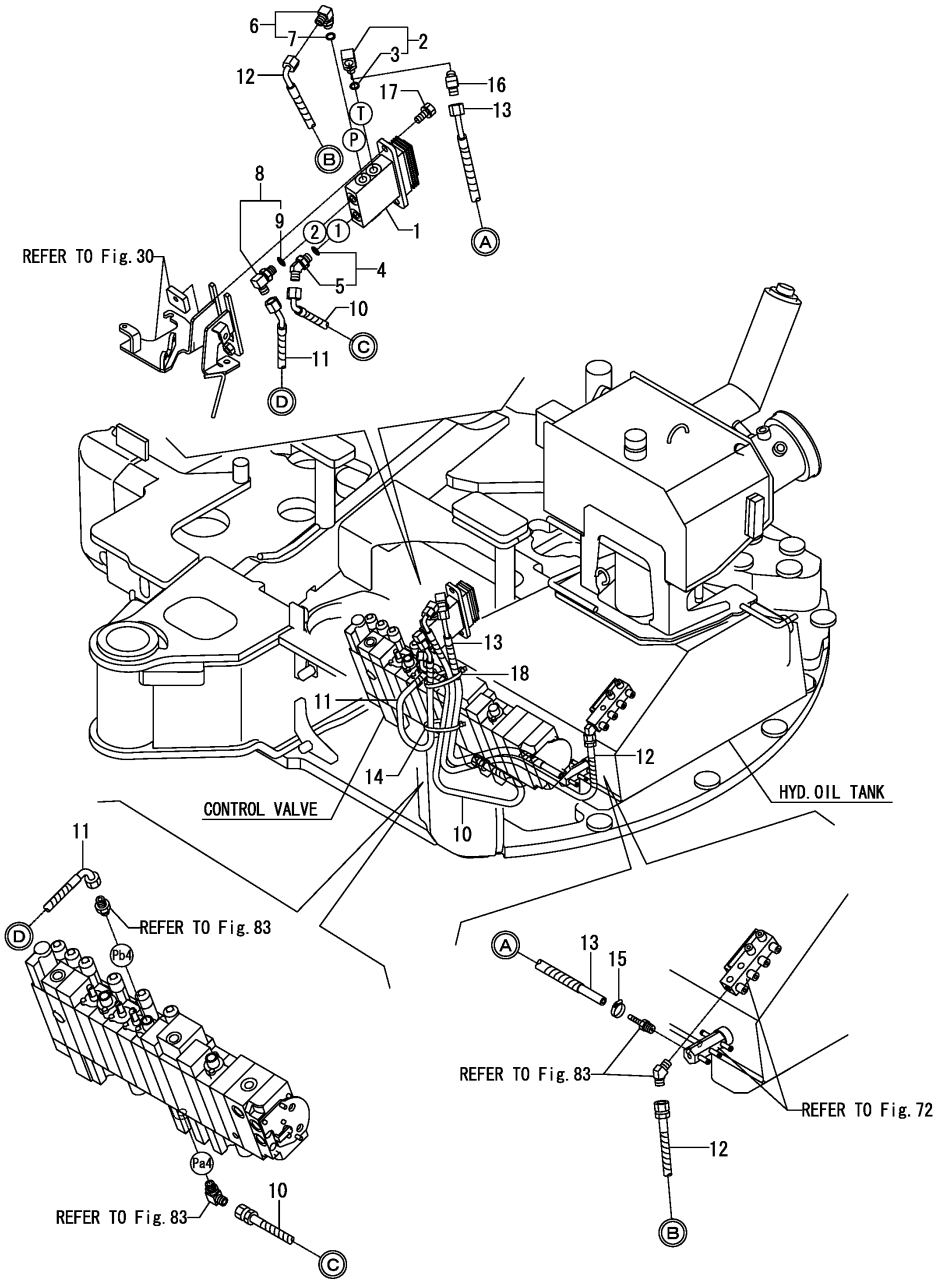
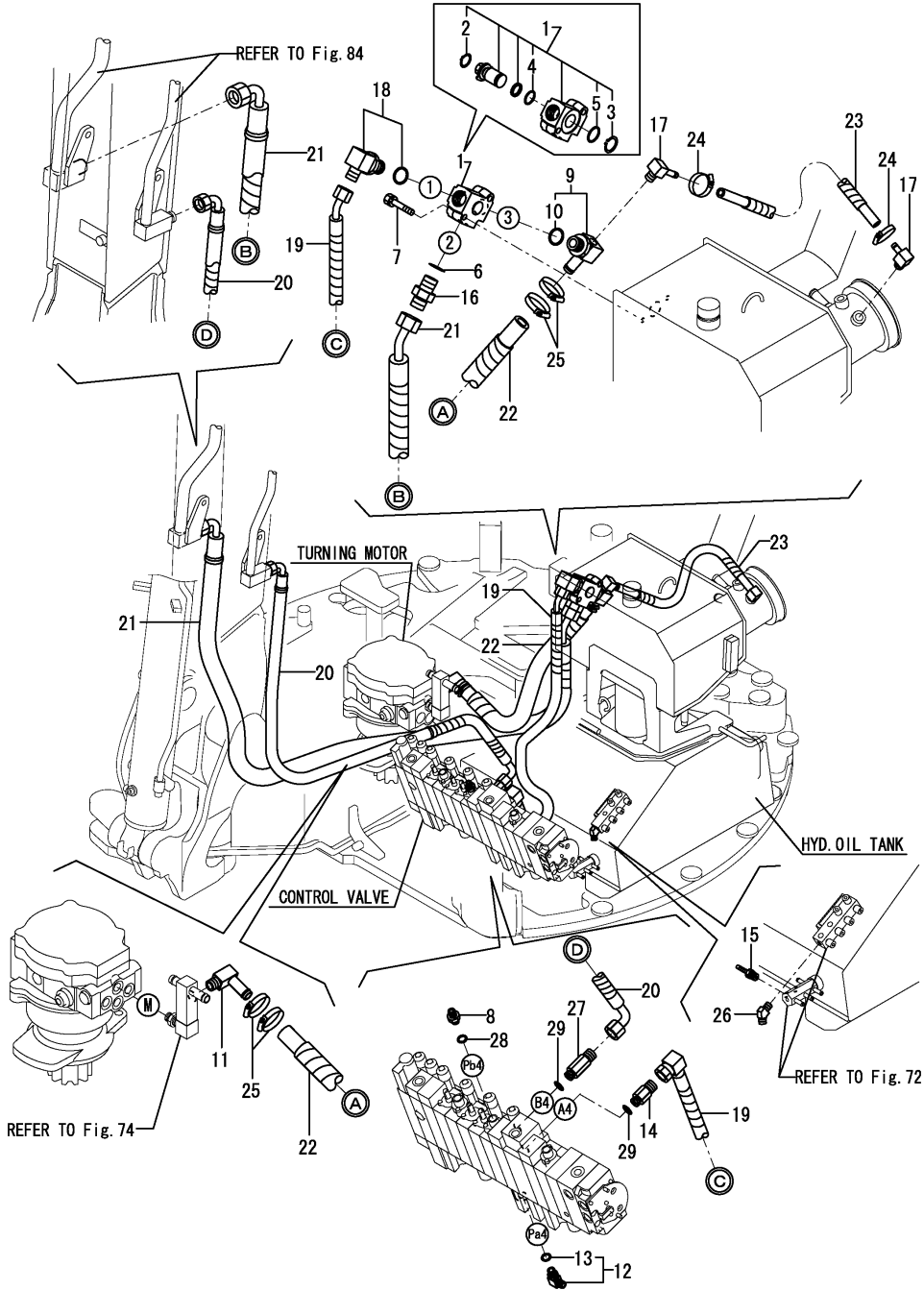


Fig.83. HYD.OIL PIPING(P.T.O. : CONTROL VALVE - BOOM)

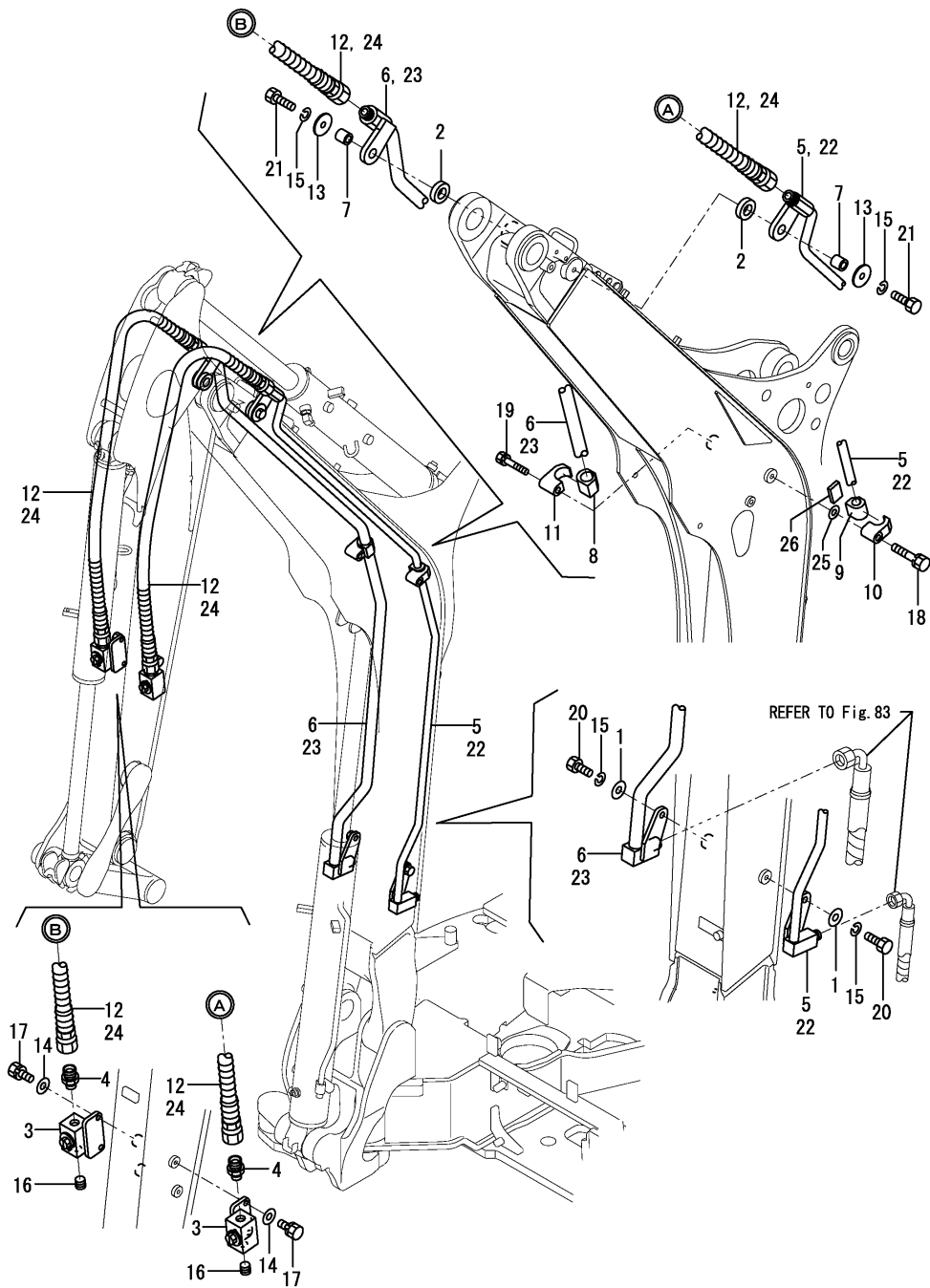


(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-74120	VALVE ASSY, SELECOR	1	1						
1-1	1	172A47-74121	VALVE ASSY, SELECOR	1	1						N
(A=MXXXXX) (B=MXXXXX)											
2	2	22242-000210	RING, 21	1	1						
3	2	22242-000250	RING, 25	1	1						
4	2	24315-000210	O-RING, 1BP21.0	1	1						
5	2	24315-000250	O-RING, 1BP25.0	1	1						
6	1	24315-000240	O-RING, 1BP24.0	1	1						
7	1	26013-100502	BOLT, M10X 50	2	2						
8	1	172123-76121	ADAPTER	1	1						
9	1	172A46-76130	NIPPLE, ELBOW	1	1						
10	2	24315-000240	O-RING, 1BP24.0	1	1						
11	1	172455-76160	ELBOW	1	1						
12	1	172141-76181	CONNECTOR ASSY, 02FF	1	1						
13	2	41851-000110	O-RING	1	1						
14	1	172422-76180	CONNECTOR, PF3/8X1/2	1	1						
15	1	172141-76220	NIPPLE	1	1						
16	1	172142-76240	JOINT	1	1						
17	1	172168-76370	ELBOW	2	2						
18	1	172534-76760	ELBOW	1	1						
19	1	172A46-78771	HOSE	1	1						
20	1	172A46-78781	HOSE	1	1						
21	1	172A46-78791	HOSE	1	1						
22	1	172A46-78801	HOSE	1	1						
23	1	172A46-78811	HOSE	1	1						
24	1	23001-016000	CLAMP, HOSE 16	2	2						
25	1	23001-025000	CLAMP, HOSE 25	4	4						
26	1	23394-020000	JOINT, 45RGI-1/4	1	1						
27	1	172192-76340	CONNECTOR	1	1						
28	1	24315-000110	O-RING, 1BP11.0	1	1						
29	1	24315-000140	O-RING, 1BP14.0	2	2						

Fig.84. HYD.OIL PIPING(P.T.O. : BOOM - ARM END)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172147-13150	WASHER	2	2						
1-1	1	172147-13151	WASHER	2	2						N
(A=M54095) (B=M54095)											
2	1	172A52-14200	PAD, ABSORBER	2	2						
3	1	172183-74821-3	VALVE, STOP	2	2						
3-1	1	172183-74822-3	VALVE, STOP (2J)	2	2						N
(A=MZZZZZ) (B=MZZZZZ)											
3-2	1	172183-74822-Y	VALVE, STOP	2	2						S
(A=M55001) (B=M55001)											
4	1	172633-76160	ADAPTER	2	2						
4-1	1	172162-76141	ADAPTER, 1/2-3/4	2	2						N
(A=M53404) (B=M53404)											
5	1	172A46-76402-2	TUBE ASSY, PTO	1							
5-1	1	172A46-76402-Y	TUBE ASSY, PTO	1							S
(A=M55001) (B=M55001)											
6	1	172A46-76452-2	TUBE ASSY, PTO	1							
6-1	1	172A46-76452-Y	TUBE ASSY, PTO	1							S
(A=M55001) (B=M55001)											
7	1	172A47-76460	COLLAR	2	2						
8	1	172A46-76471	RUBBER, TUBE	1	1						
9	1	172A46-76481	RUBBER, TUBE	1	1						
10	1	172142-76940-2	CLAMP	1	1						
10-1	1	172142-76940-Y	CLAMP	1	1						S
(A=M55001) (B=M55001)											
11	1	172151-76990-2	CLAMP	1	1						
11-1	1	172151-76990-Y	CLAMP	1	1						S
(A=M55001) (B=M55001)											
12	1	172A46-78850	HOSE	2							
12-1	1	172A46-78851	HOSE	2							N
(A=M/#XXXXX)											
13	1	172146-82910	SPACER	2	2						
14	1	22117-100000	WASHER, 10	4	4						
15	1	22217-120000	WASHER, SPRING 12	4	4						
16	1	23871-040000	PLUG, R04	2	2						
17	1	26013-100252	BOLT, M10X 25	4	4						
18	1	26013-120552	BOLT, M12X 55	1	1						
18-1	1	26013-120602	BOLT, M12X 60	1	1						N
(A=MZZZZZ) (B=MZZZZZ)											
19	1	26013-120602	BOLT, M12X 60	1	1						
20	1	26076-120302	BOLT, 10.912X 30	2	2						
21	1	26076-120402	BOLT, 10.912X 40	2	2						
22	1	172A45-76401-2	TUBE, PTO		1						
22-1	1	172A45-76401-Y	TUBE, PTO		1						S
(A=M55001) (B=M55001)											
23	1	172A45-76451-1	TUBE, PTO		1						
23-1	1	172A45-76451-Y	TUBE, PTO		1						S
(A=M55001) (B=M55001)											
24	1	172A45-78850	HOSE		2						
24-1	1	172A45-78851	HOSE		2						N
(B=M/#XXXXX)											
25	1	172149-66550	WASHER	1	1						W

N:Old

Yes

No

New

Q:Old

Yes

No

New

R:Old

Yes

No

New

S:Old

Yes

No

New

W:Add

Z:Discontinued

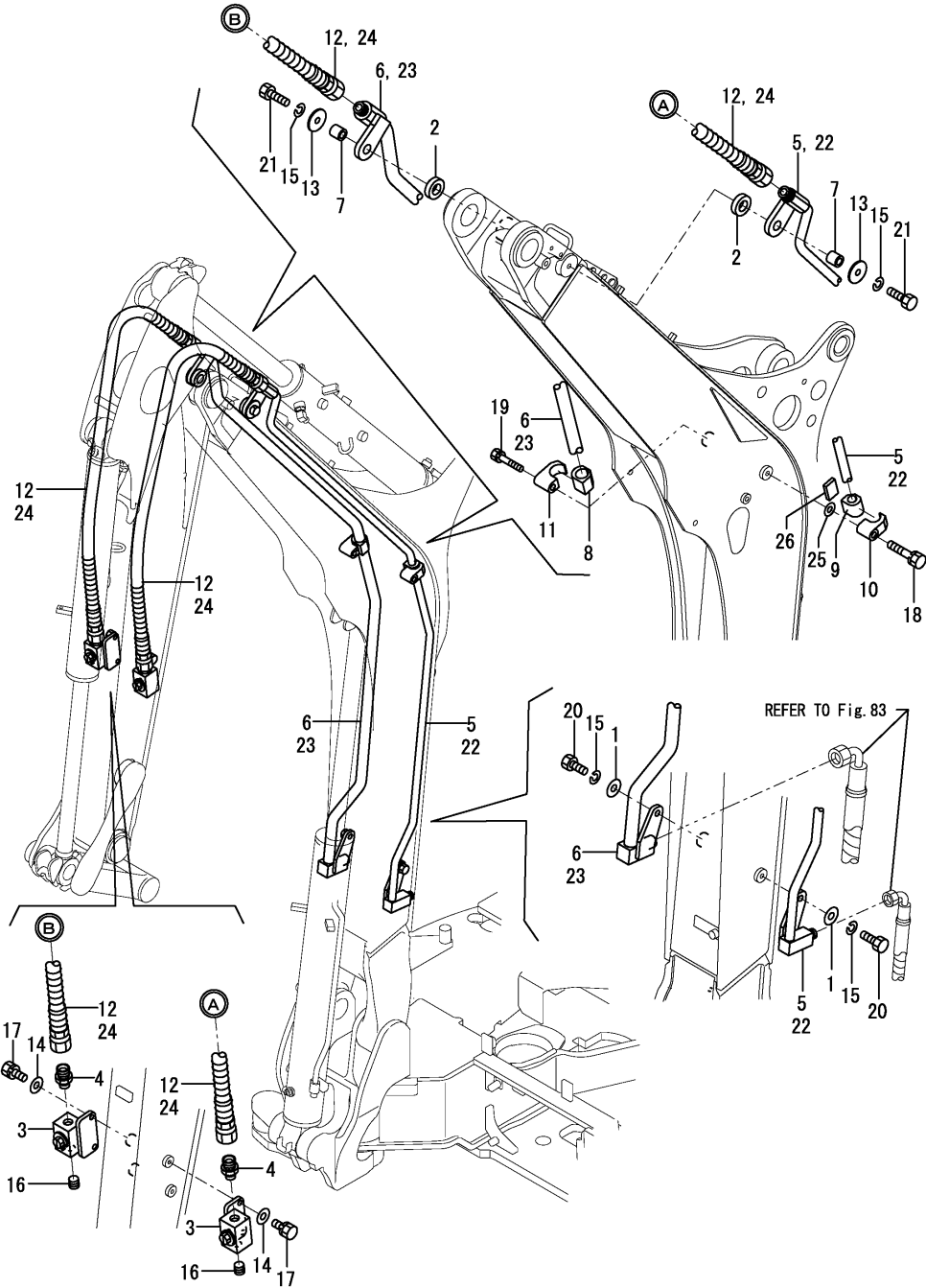
F:Interchangeable by set

K:Q'ty Change

++ CONTINUE ++

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Fig.84. HYD.OIL PIPING(P.T.O. : BOOM - ARM END)



(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

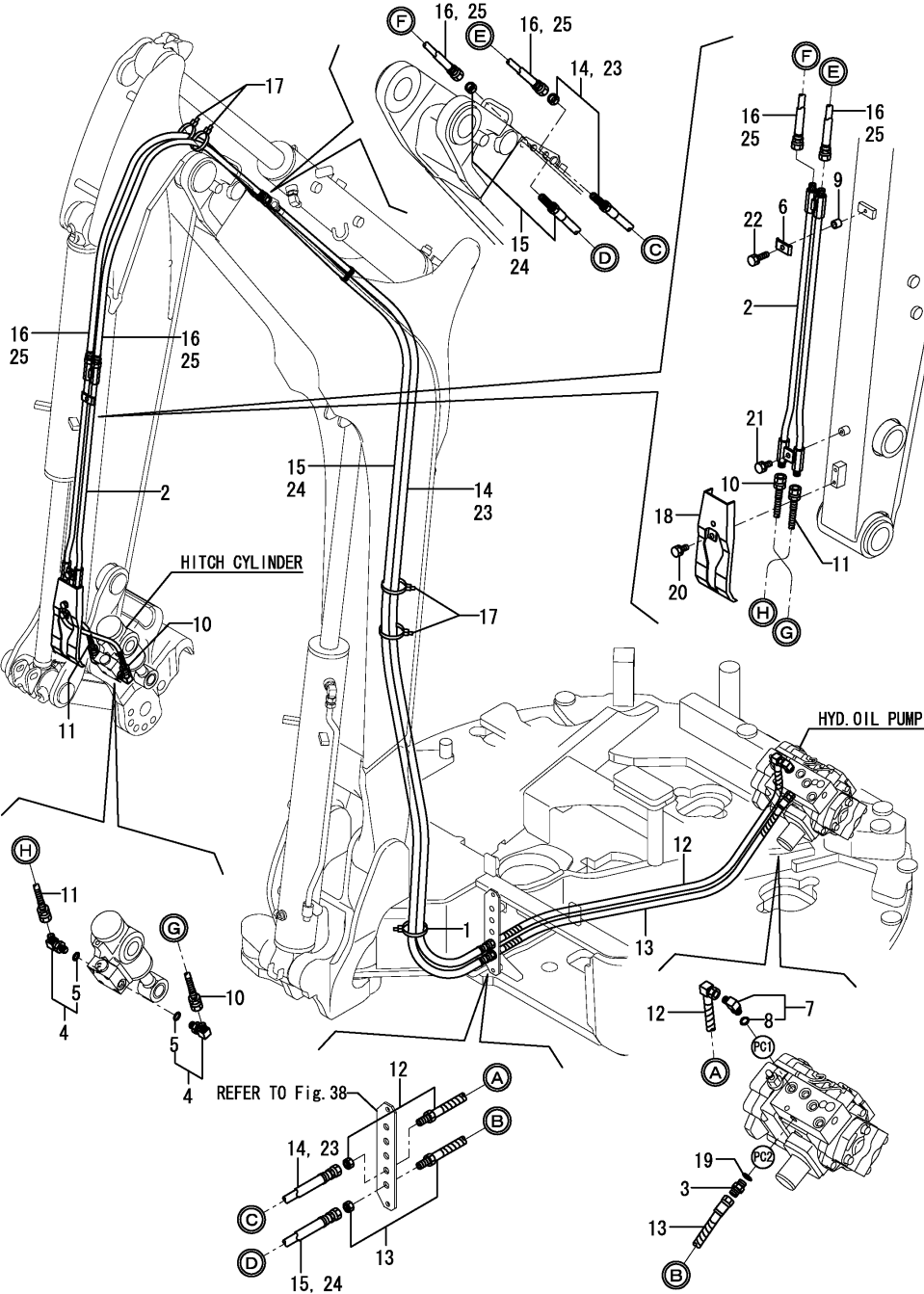
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
26	1	(A=MZZZZZ)	(B=MZZZZZ)								
		172A46-76530	PLATE, RUBBER	1	1						W
		(A=MZZZZZ)	(B=MZZZZZ)								

Fig.85. HYD.OIL PIPING(QUICK COUPLER)

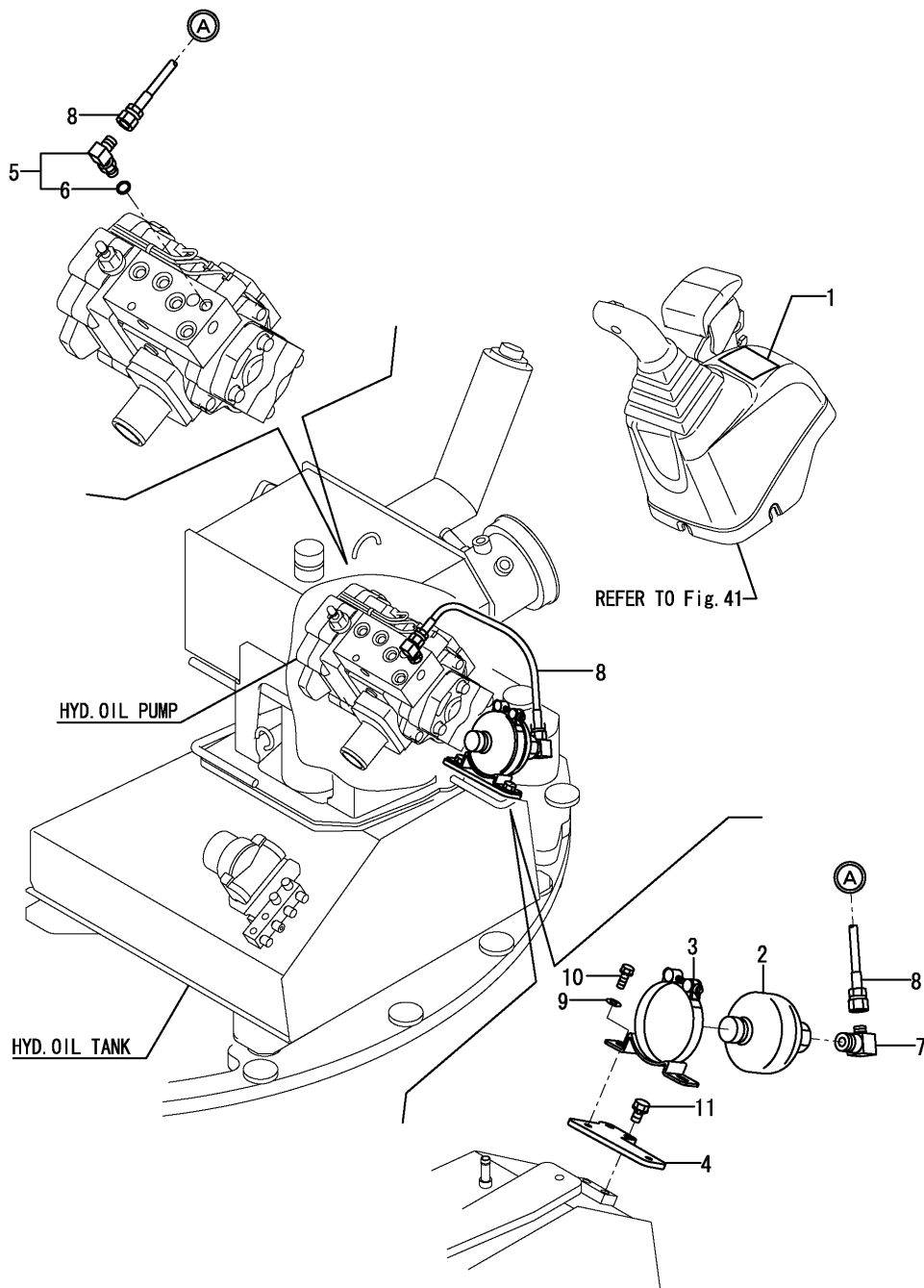
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, 200	2	2						
2	1	172958-76102-2	TUBE, HITCH	1	1						
2-1	1	172958-76102-Y	TUBE, HITCH	1	1						S
(A=M55001) (B=M55001)											
3	1	172123-76121	ADAPTER	1	1						
4	1	172958-76130	ELBOW	2	2						
5	2	24315-000110	O-RING, 1BP11.0	2	2						
6	1	172110-76170-3	PLATE	1	1						
6-1	1	172110-76170	PLATE	1	1						R
(A=MZZZZZ) (B=MZZZZZ)											
7	1	172141-76181	CONNECTOR ASSY, 02FF	1	1						
8	2	41851-000110	O-RING	1	1						
9	1	172137-76580	COLLAR	1	1						
10	1	172958-78200	HOSE	1	1						
11	1	172958-78210	HOSE	1	1						
12	1	172A46-78900	HOSE	1	1						
13	1	172A46-78910	HOSE	1	1						
14	1	172A46-78960	HOSE	1							
15	1	172A46-78970	HOSE	1							
16	1	172A77-78980	HOSE	2							
17	1	172122-79930	CLAMP, HOSE	4	4						
18	1	172958-81903-2	COVER, ARM	1	1						
18-1	1	172958-81904	COVER, ARM	1	1						N
(A=M53765) (B=M53765)											
18-2	1	172958-81904-Y	COVER, ARM	1	1						S
(A=M55001) (B=M55001)											
19	1	24315-000110	O-RING, 1BP11.0	1	1						
20	1	26013-080162	BOLT, M8X 16	2	2						
21	1	26013-080162	BOLT, M8X 16	1	1						
22	1	26013-080252	BOLT, M8X 25	1	1						
23	1	172A45-78960	HOSE		1						
24	1	172A45-78970	HOSE		1						
25	1	172A85-78980	HOSE		2						

Fig.86. ACCUMULATOR



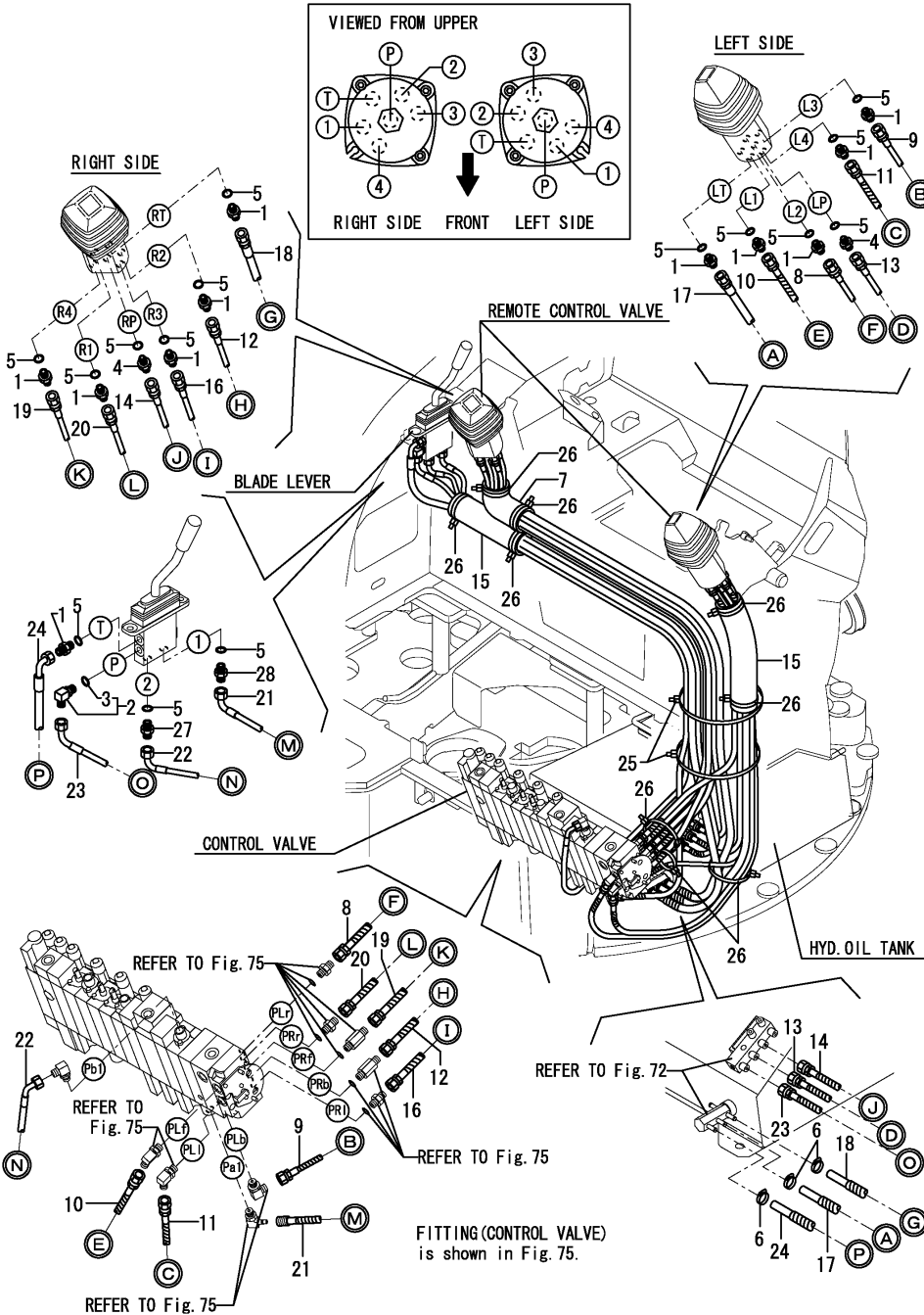
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-03301	LABEL, PTO	1	1						
2	1	172478-73600	ACCUMULATOR	1	1						
3	1	172478-73630	CLAMP	1	1						
4	1	172A46-75440	BRACKET	1	1						
5	1	172141-76181	CONNECTOR ASSY, 02FF	1	1						
6	2	41851-000110	O-RING	1	1	1					
7	1	172478-76200	CONNECTOR	1	1						
8	1	172480-78940	HOSE	1	1						
9	1	22137-080000	WASHER, 8	2	2						
10	1	26013-080162	BOLT, M8X 16	2	2						
11	1	26013-100162	BOLT, M10X 16	2	2						

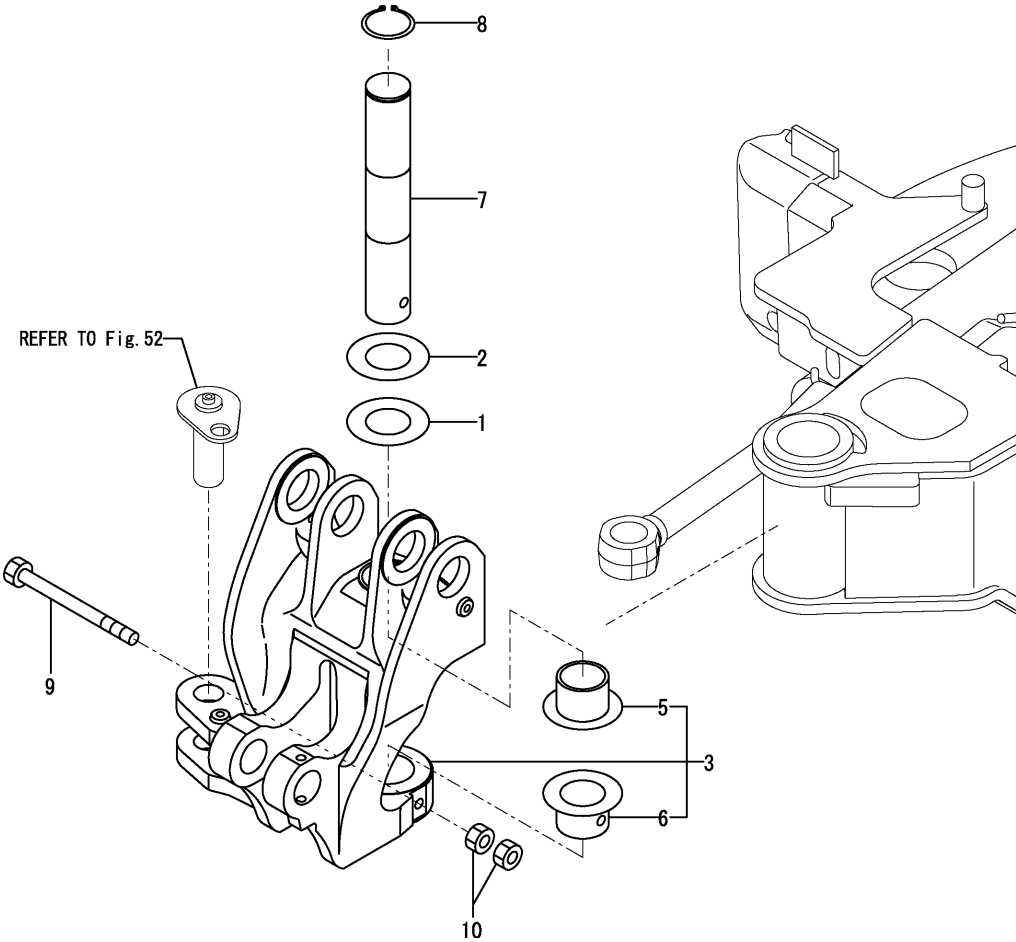
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	11	11						
2	1	172958-76130	ELBOW	1	1						
3	2	24315-000110	O-RING, 1BP11.0	1	1						
4	1	172455-76220	CONNECTOR	2	2						
5	1	24315-000110	O-RING, 1BP11.0	15	15						
6	1	23000-013000	CLAMP, 13	3	3						
7	1	172458-63641	SPONGE, HOSE	1	1						
8	1	172A47-78503	HOSE	1	1						
9	1	172A47-78513	HOSE	1	1						
10	1	172A47-78522	HOSE	1	1						
11	1	172A47-78532	HOSE	1	1						
12	1	172A47-78542	HOSE	1	1						
13	1	172A47-78553	HOSE	1	1						
14	1	172A47-78561	HOSE	1	1						
15	1	172458-78571	SPONGE, HOSE	2	2						
16	1	172A47-78632	HOSE	1	1						
17	1	172A47-78642	HOSE	1	1						
18	1	172A47-78652	HOSE	1	1						
19	1	172A47-78882	HOSE	1	1						
20	1	172A47-78892	HOSE	1	1						
21	1	172A47-78921	HOSE	1	1						
22	1	172A47-78931	HOSE	1	1						
23	1	172A47-78942	HOSE	1	1						
24	1	172A47-78952	HOSE	1	1						
25	1	172122-79890	CLAMP, HOSE	2	2						
26	1	172122-79930	CLAMP, HOSE	13	13						
27	1	172A47-76171	CONNECTOR, G1/4X0.6	1	1						
28	1	172164-76330	JOINT, PF1/4-0.7	1	1						

Fig.88. BOOM BRACKET



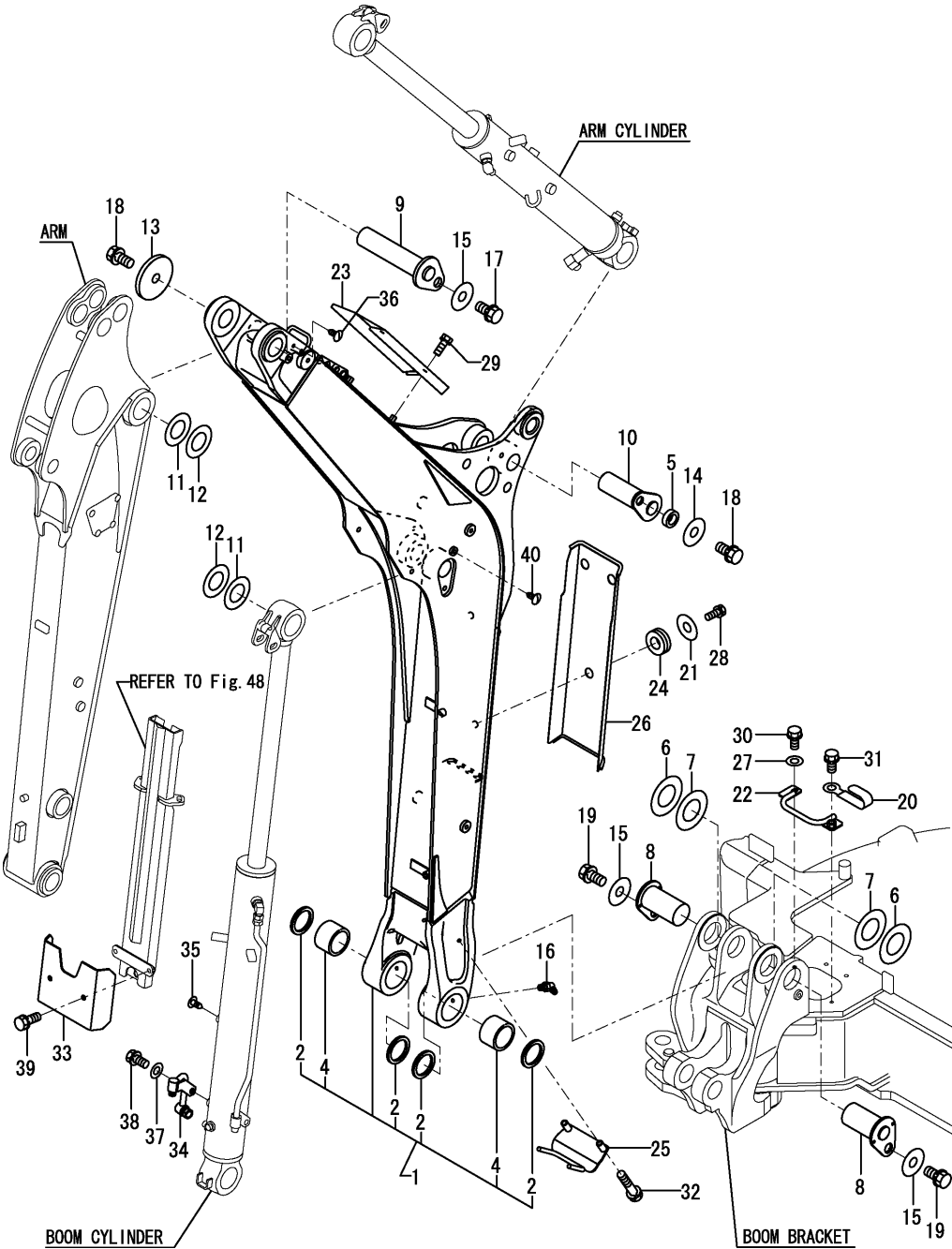
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

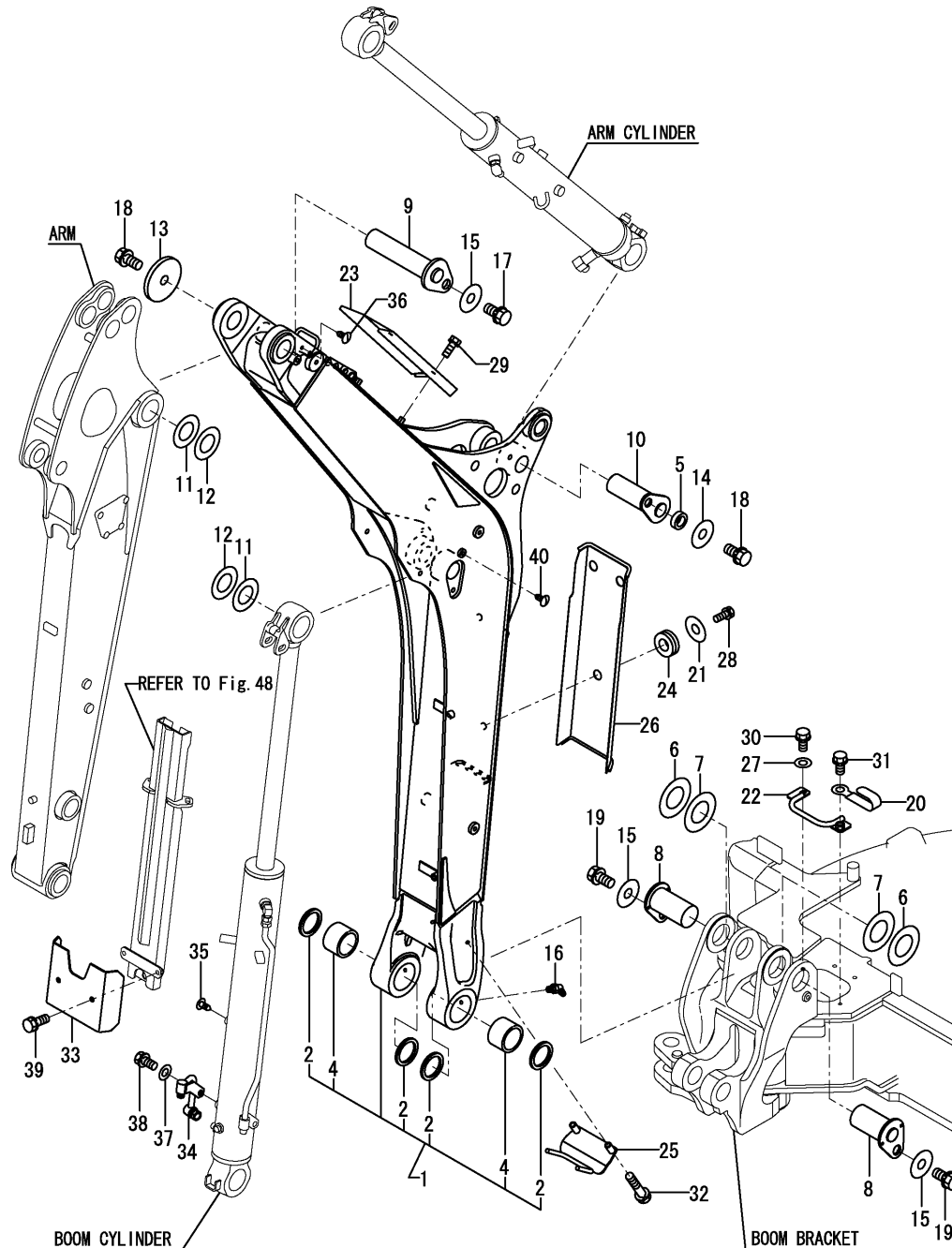
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172176-81700	SHIM	1	1						
2	1	172176-81710	SHIM	1	1						
3	1	172459-82300-2	BRACKET, BOOM	1	1						
3-1	1	172459-82300-Y (A=M55001) (B=M55001)	BRACKET, BOOM	1	1					S	
5	2	172148-82320	BUSH	1	1						
6	2	172459-82320	BUSH	1	1						
7	1	172459-82330	PIN	1	1						
8	1	22242-000700	RING, 70	1	1						
9	1	26206-141502	BOLT, M14X150 PLATED	1	1						
10	1	26716-140002	NUT, M14	2	2						

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A77-81100	BOOM ASSY	1							
1-1	1	172A77-81101	BOOM ASSY	1							S
(A=M/#53316)											
1-2	1	172A77-81101-Y	BOOM ASSY	1							S
(A=M55001)											
2	2	172020-10620	SEAL, DUST	4							
4	2	172458-81400	BUSH	2							
5	1	172164-81670	SPACER	1							
6	1	172175-81700	SHIM	2							
7	1	172175-81710	SHIM	2							
8	1	172458-81800	PIN ASSY	2							
9	1	172A46-81930	PIN ASSY	1							
10	1	172A46-81950	PIN ASSY	1							
11	1	172165-82520	SHIM	2							
12	1	172165-82530	SHIM	2							
13	1	172146-82910	SPACER	1							
14	1	22157-120000	WASHER, 12	1							
15	1	22157-120000	WASHER, 12	3							
16	1	24761-050000	NIPPLE, GREASE C	2							
16-1	1	24761-040000	NIPPLE, GREASE B	2							N
(A=M/#XXXXX)											
17	1	26013-120202	BOLT, M12X 20	1							
18	1	26013-120252	BOLT, M12X 25	2							
19	1	26013-120302	BOLT, M12X 30	2							
20	1	172126-16540	CLAMP	1							
21	1	1A1040-43900	WASHER, SPRING	3							
22	1	172A46-61150-2	COVER, HOSE	1							
22-1	1	172A46-61150-Y	COVER, HOSE	1							S
(A=M55001)											
23	1	172456-61964-2	COVER, BOOM	1							
23-1	1	172456-61964-Y	COVER, BOOM	1							S
(A=M55001)											
24	1	172137-62970	GROMMET	3							
25	1	172A46-79300-2	GUIDE, HOSE	1							
25-1	1	172A46-79300-Y	GUIDE, HOSE	1							S
(A=M55001)											
26	1	172A46-81800-2	COVER, BOOM	1							
26-1	1	172A46-81800-Y	COVER, BOOM	1							S
(A=M55001)											
27	1	22137-100000	WASHER, 10	1							
28	1	26013-080162	BOLT, M8X 16	3							
29	1	26013-080162	BOLT, M8X 16	2							
30	1	26013-100202	BOLT, M10X 20	1							
31	1	26013-100302	BOLT, M10X 30	1							
32	1	26013-100452	BOLT, M10X 45	2							
33	1	172A46-72680-2	COVER, HOSE	1							
33-1	1	172A46-72680-N	COVER, HOSE	1							S
(A=M55001)											
34	1	172A47-72770-2	PIPE ASSY, BOOM	1							
34-1	1	172A47-72770-N	PIPE ASSY, BOOM	1							S
(A=M55001)											



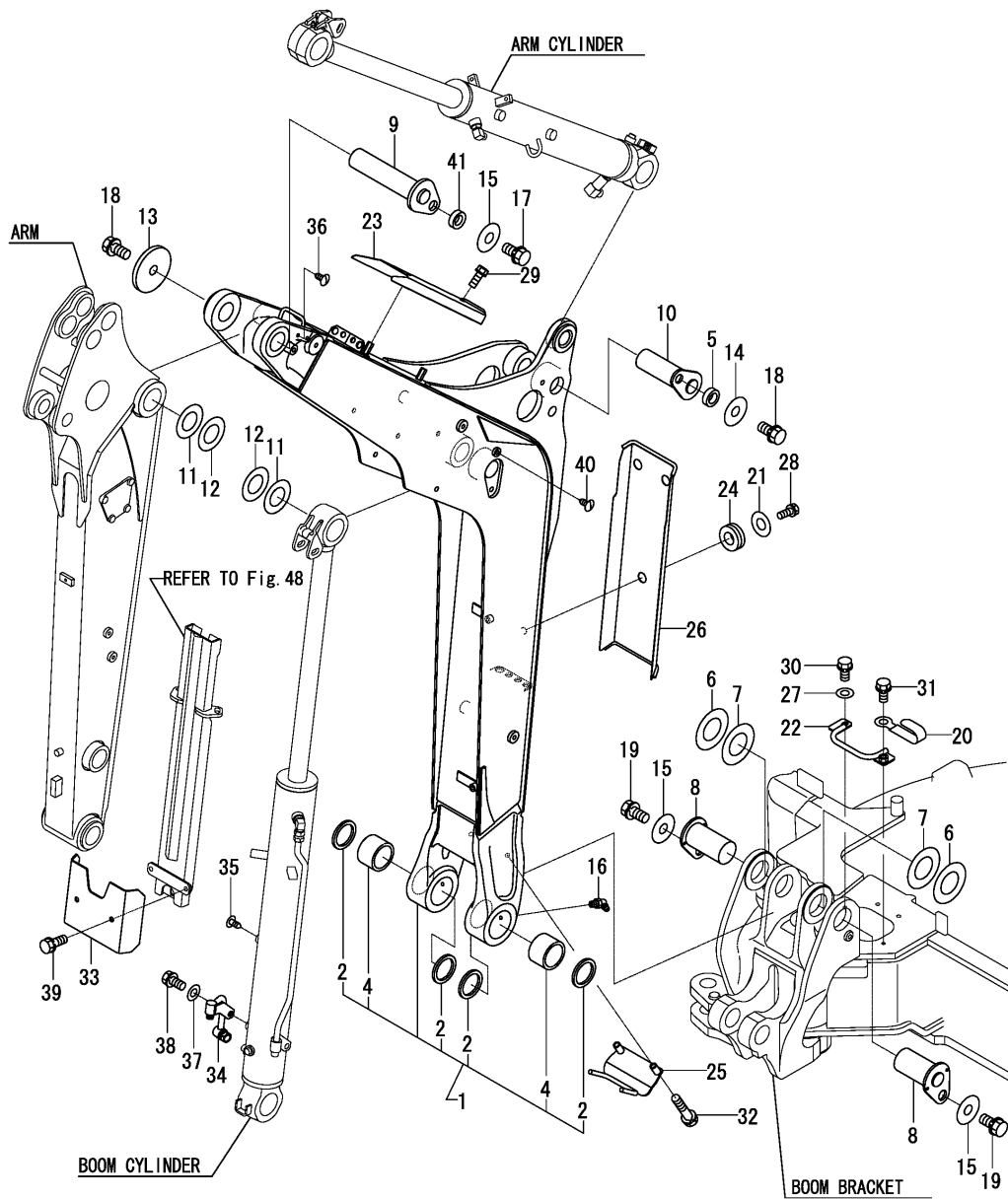
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
35	1	172183-81160	CLIP, TREE	1							
36	1	172183-81160	CLIP, TREE	2							
37	1	22137-100000	WASHER, 10	1							
38	1	26013-100202	BOLT, M10X 20	1							
39	1	26013-100202	BOLT, M10X 20	2							
40	1	172176-68210	CLIP, TREE	2							Z

[illegible]

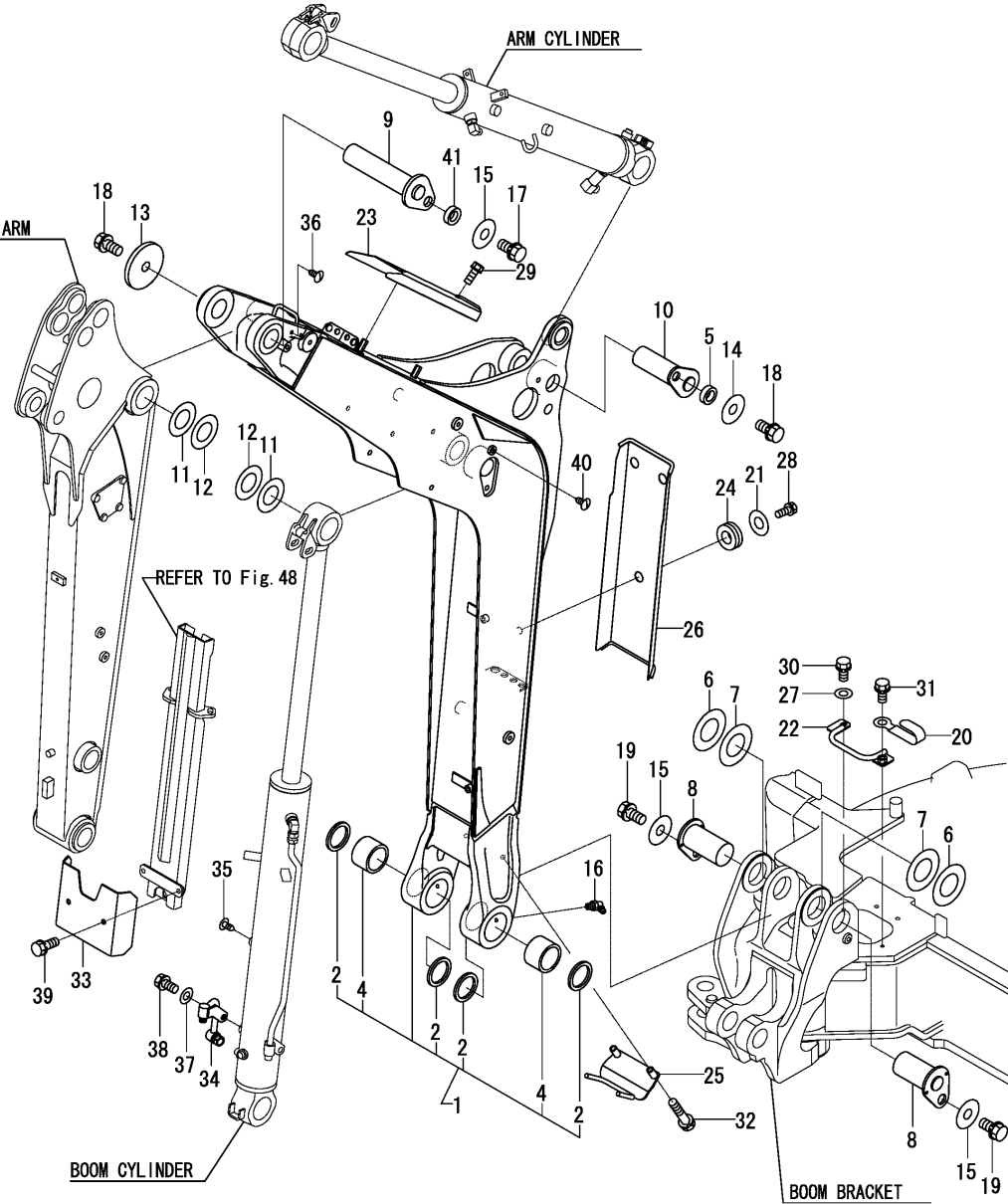
N:Old $\begin{matrix} \text{Yes} \\ \text{No} \end{matrix}$ New, Q:Old $\begin{matrix} \text{No} \\ \text{Yes} \end{matrix}$ New, R:Old $\begin{matrix} \text{Yes} \\ \text{Yes} \end{matrix}$ New, S:Old $\begin{matrix} \text{No} \\ \text{No} \end{matrix}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A85-81100	BOOM ASSY		1						
1-1	1	172A85-81101	BOOM ASSY(EX(2J) (B=M/#53318)		1					S	
1-2	1	172A85-81101-Y	BOOM ASSY(EX (B=M55001)		1					S	
2	2	172020-10620	SEAL, DUST		4						
4	2	172458-81400	BUSH		2						
5	1	172164-81670	SPACER		1						
6	1	172175-81700	SHIM		2						
7	1	172175-81710	SHIM		2						
8	1	172458-81800	PIN ASSY		2						
9	1	172A46-81930	PIN ASSY		1						
10	1	172A46-81950	PIN ASSY		1						
11	1	172165-82520	SHIM		2						
12	1	172165-82530	SHIM		2						
13	1	172146-82910	SPACER		1						
14	1	22157-120000	WASHER, 12		1						
15	1	22157-120000	WASHER, 12		3						
16	1	24761-050000	NIPPLE, GREASE C		2						
16-1	1	24761-040000	NIPPLE, GREASE B (B=M/#XXXXX)		1					N	
17	1	26013-120202	BOLT, M12X 20		1						
18	1	26013-120252	BOLT, M12X 25		2						
19	1	26013-120302	BOLT, M12X 30		2						
20	1	172126-16540	CLAMP		1						
21	1	1A1040-43900	WASHER, SPRING		3						
22	1	172A46-61150-2	COVER, HOSE		1						
22-1	1	172A46-61150-Y	COVER, HOSE (B=M55001)		1					S	
23	1	172A44-81950-2	COVER ASSY, BOOM		1						
23-1	1	172A44-81950-Y	COVER ASSY, BOOM (B=M55001)		1					S	
24	1	172137-62970	GROMMET		3						
25	1	172A46-79300-2	GUIDE, HOSE		1						
25-1	1	172A46-79300-Y	GUIDE, HOSE (B=M55001)		1					S	
26	1	172A46-81800-2	COVER, BOOM		1						
26-1	1	172A46-81800-Y	COVER, BOOM (B=M55001)		1					S	
27	1	22137-100000	WASHER, 10		1						
28	1	26013-080162	BOLT, M8X 16		3						
29	1	26013-080162	BOLT, M8X 16		2						
30	1	26013-100202	BOLT, M10X 20		1						
31	1	26013-100302	BOLT, M10X 30		1						
32	1	26013-100452	BOLT, M10X 45		2						
33	1	172A46-72680-2	COVER, HOSE		1						
33-1	1	172A46-72680-N	COVER, HOSE (B=M55001)		1					S	
34	1	172A47-72770-2	PIPE ASSY, BOOM		1						
34-1	1	172A47-72770-N	PIPE ASSY, BOOM (B=M55001)		1					S	



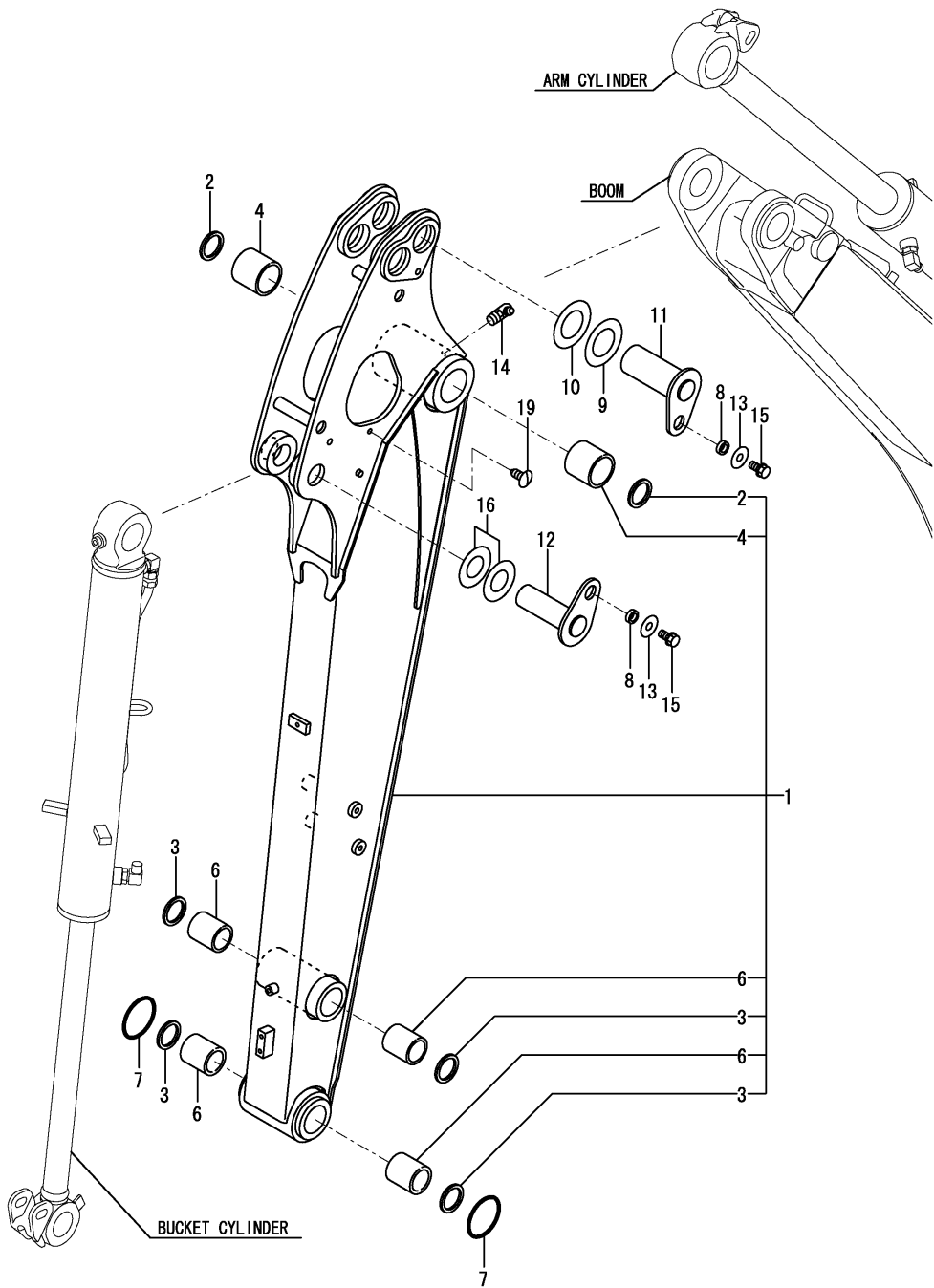
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(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

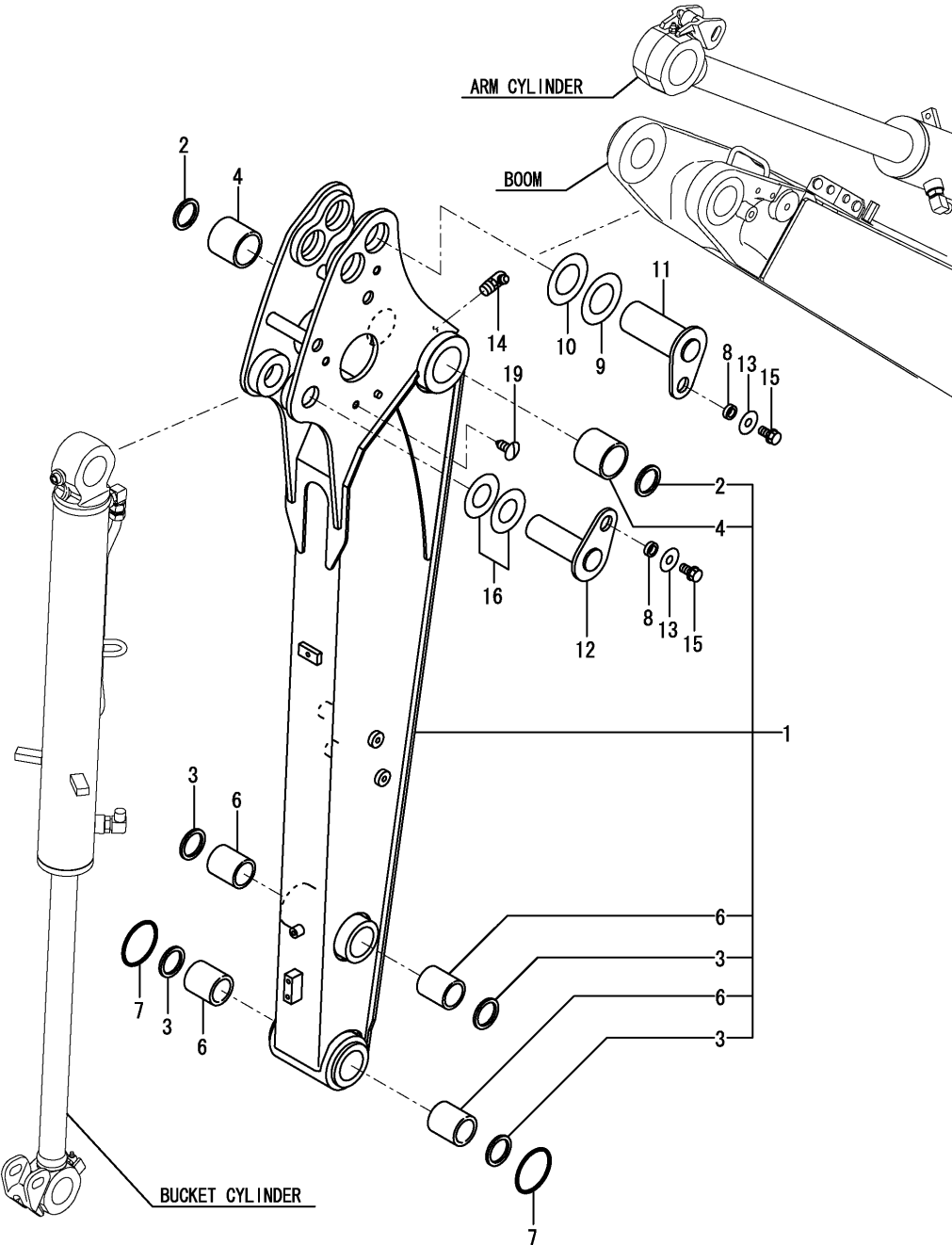
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
35	1	172183-81160	CLIP, TREE		1						
36	1	172183-81160	CLIP, TREE		2						
37	1	22137-100000	WASHER, 10		1						
38	1	26013-100202	BOLT, M10X 20		1						
39	1	26013-100202	BOLT, M10X 20		2						
40	1	172183-81170	CLIP, TREE		2						Z
		(B=M/#53267)									
41	1	172A85-81350	SPACER, BOOM		1						W
		(B=FROM 1ST)									

(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A46-81501	ARM	1							
1-1	1	172A46-81501-Y	ARM ASSY, 1350	1						S	
(A=M55001)											
2	2	172448-54120	SEAL, DUST	2							
3	2	172168-81270	SEAL, DUST	4							
4	2	172444-81310	BUSH, PIN	2							
6	2	172458-81630	BUSH	4							
7	1	172142-81620	O-RING	2							
8	1	172164-81670	SPACER	2							
9	1	172165-82520	SHIM	1							
10	1	172165-82530	SHIM	1							
11	1	172460-82520	PIN 50X134	1							
12	1	172458-83710	PIN ASSY	1							
13	1	22157-120000	WASHER, 12	2							
14	1	24761-040000	NIPPLE, GREASE B	1							
15	1	26013-120252	BOLT, M12X 25	2							
16	1	933171-29751	SHIM SET	1							
19	1	172183-81160	CLIP, TREE	1							

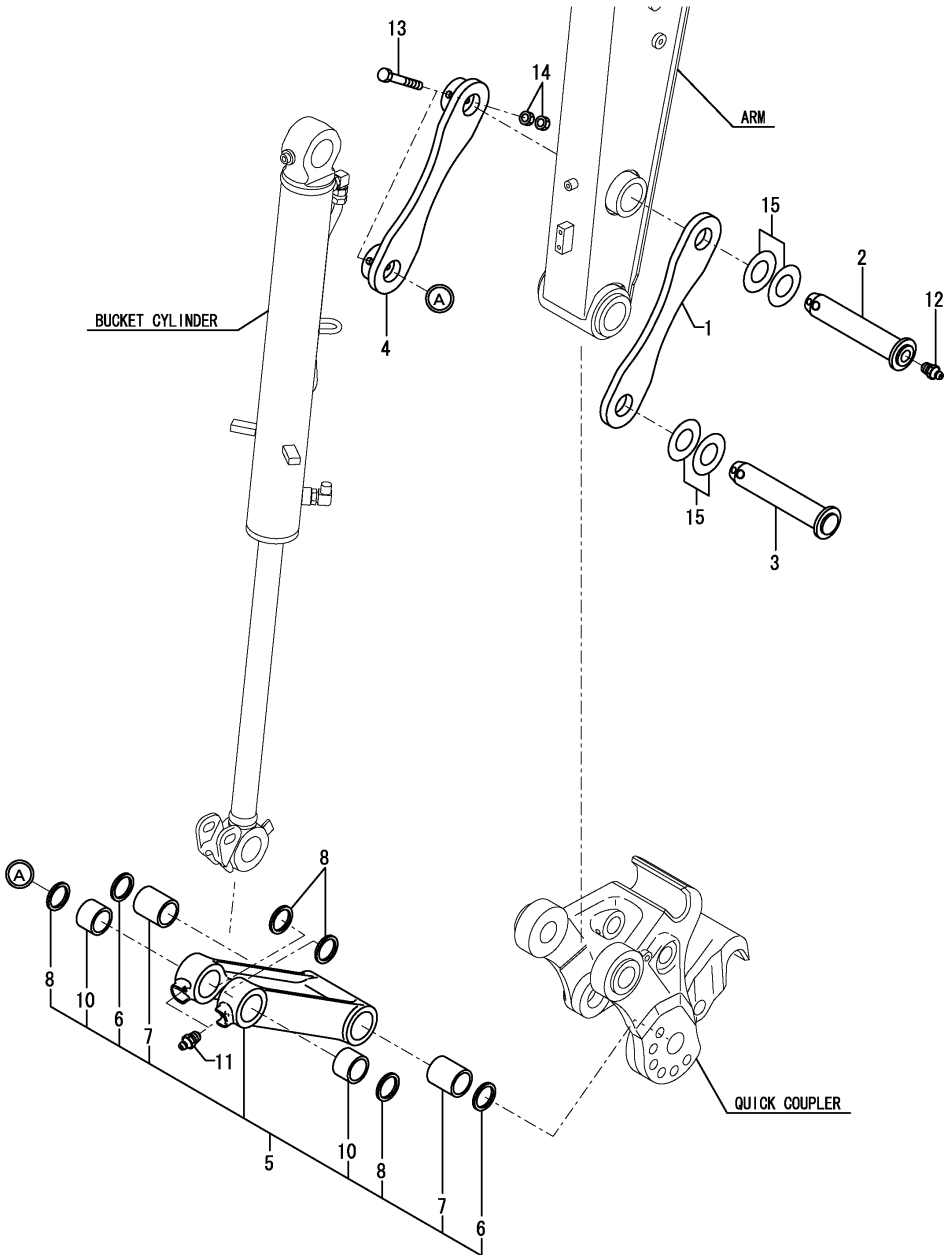


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A45-81501	ARM ASSY		1						
1-1	1	172A45-81501-Y	ARM, 1220		1					S	
		(B=M55001)									
2	2	172448-54120	SEAL, DUST		2						
3	2	172168-81270	SEAL, DUST		4						
4	2	172444-81310	BUSH, PIN		2						
6	2	172458-81630	BUSH		4						
7	1	172142-81620	O-RING		2						
8	1	172164-81670	SPACER		2						
9	1	172165-82520	SHIM		1						
10	1	172165-82530	SHIM		1						
11	1	172458-83690	PIN ASSY		1						
12	1	172458-83710	PIN ASSY		1						
13	1	22157-120000	WASHER, 12		2						
14	1	24761-040000	NIPPLE, GREASE B		1						
15	1	26013-120252	BOLT, M12X 25		2						
16	1	933171-29751	SHIM SET		1						
19	1	172183-81160	CLIP, TREE		1						

Fig.93. BUCKET ARM & LINK

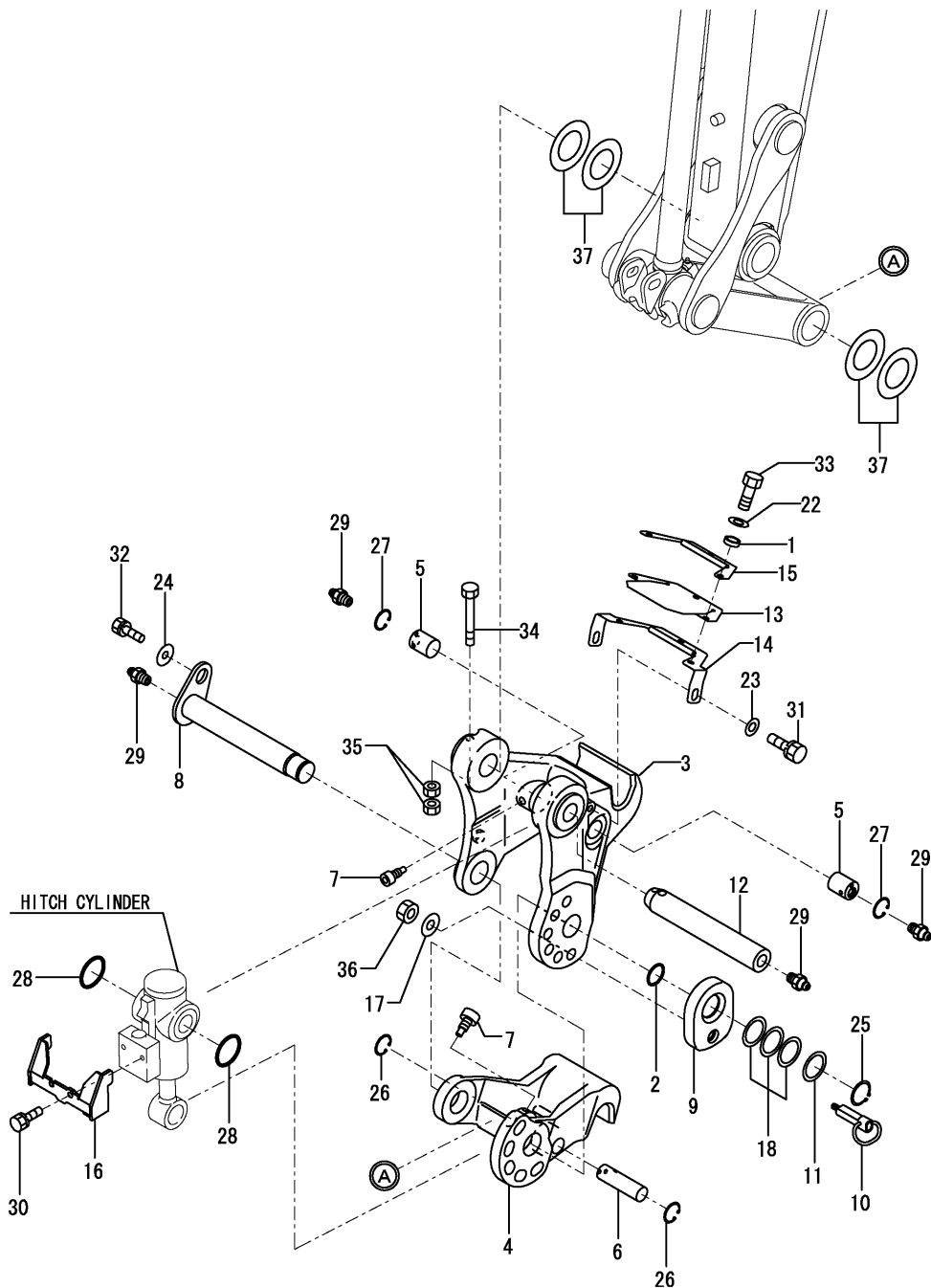
(A)=VIO35-5B P(KR)
(B)=VIO35-5B P(KR,30B)
(C)=

(D)=
(E)=
(F)=

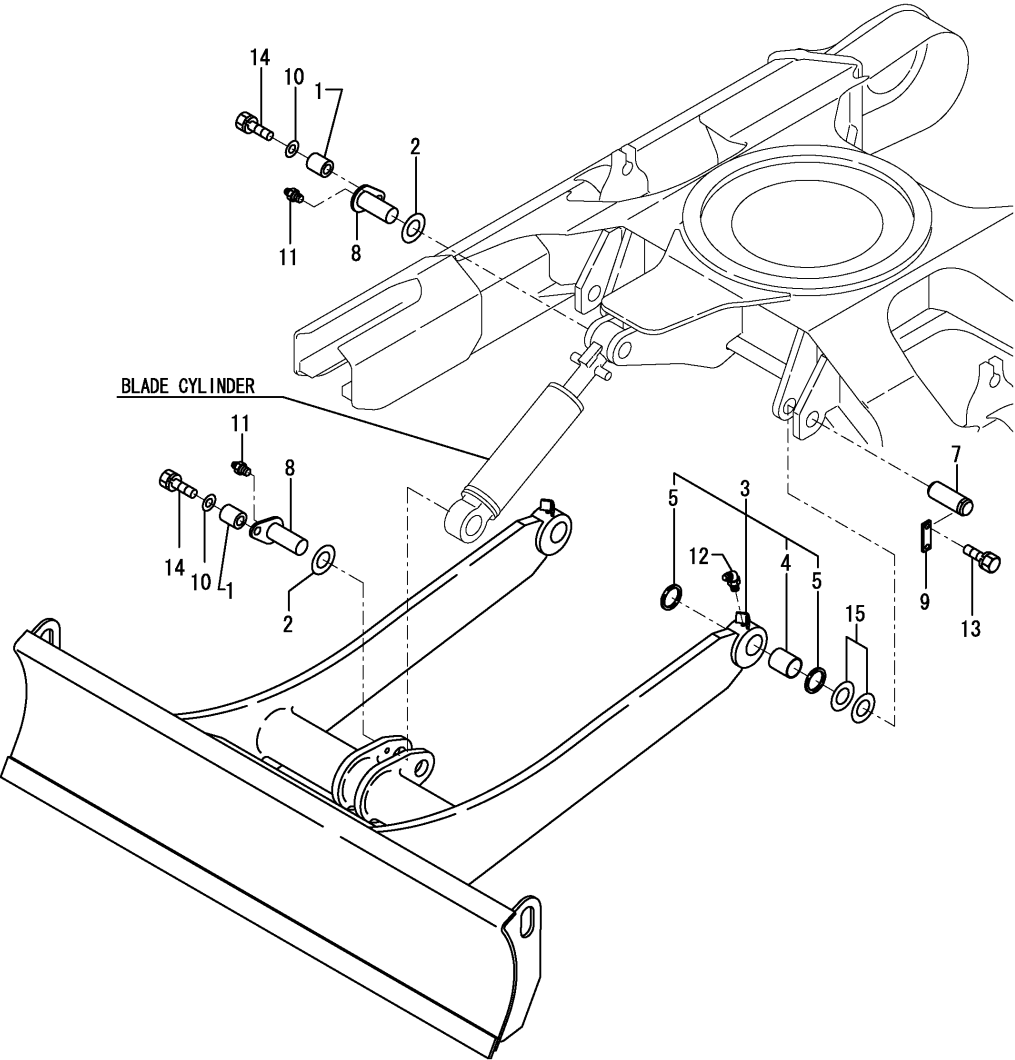


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-81820-1	ARM, BUCKET	1	1						
1-1	1	172164-81820-Y	ARM, BUCKET	1	1						S
		(A=M55001)	(B=M55001)								
2	1	172458-81860	PIN ASSY	1	1						
3	1	172458-81890	PIN ASSY	1	1						
4	1	172458-82600-2	ARM, BUCKET	1	1						
4-1	1	172458-82600-Y	ARM, BUCKET	1	1						S
		(A=M55001)	(B=M55001)								
5	1	172458-82651-2	LINK, BUCKET	1	1						
5-1	1	172458-82651-Y	LINK, BUCKET	1	1						S
		(A=M55001)	(B=M55001)								
6	2	172168-81270	SEAL, DUST	2	2						
7	2	172458-81630	BUSH	2	2						
8	2	172122-82290	SEAL, DUST	4	4						
10	2	172168-84411	BUSH	2	2						
11	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
12	1	24761-020000	NIPPLE, GREASE PT1/8	1	1						
13	1	26116-100752	BOLT, M10X 75 PLATED	2	2						
14	1	26716-100002	NUT, M10	4	4						
15	1	933171-29751	SHIM SET	2	2						

Fig.94. QUICK COUPLER



				(A)=VIO35-5B P(KR) (B)=VIO35-5B P(KR,30B) (C)=			(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-17121	COLLAR, 9X4	3	3						
2	1	172124-46200	O-RING	1	1						
3	1	172958-83102-2	BRACKET	1	1						
3-1	1	172958-83102-Y (A=M55001) (B=M55001)	BRACKET A	1	1						S
4	1	172958-83111-2	BRACKET	1	1						
4-1	1	172958-83111-Y (A=M55001) (B=M55001)	BRACKET B	1	1						S
5	1	172958-83120	PIN	2	2						
6	1	172958-83130	PIN	1	1						
6-1	1	172958-83131 (A=M/#XXXXX) (B=M/#XXXXX)	PIN	1	1						N
7	1	172958-83140	BOLT	3	3						
8	1	172958-83150	PIN ASSY	1	1						
9	1	172958-83171-2	PLATE, LOCK	1	1						
9-1	1	172958-83171-Y (A=M55001) (B=M55001)	PLATE, LOCK	1	1						S
10	1	172958-83183	PIN ASSY, LOCK	1	1						
11	1	172960-83210	COLLAR	1	1						
12	1	172958-83220	PIN	1	1						
13	1	172958-83252	PLATE, RUBBER	1	1						
14	1	172958-83271-2	GUARD ASSY	1	1						
14-1	1	172958-83271-Y (A=M55001) (B=M55001)	GUARD ASSY	1	1						S
15	1	172958-83281-2	GUARD ASSY	1	1						
15-1	1	172958-83281-Y (A=M55001) (B=M55001)	GUARD ASSY	1	1						S
16	1	172958-83292-2	COVER, HITCH	1	1						
16-1	1	172958-83292-Y (A=M55001) (B=M55001)	COVER, HITCH	1	1						S
17	1	172958-83330	WASHER	1	1						
18	1	172141-84601	SHIM	1	1						
22	1	22137-080000	WASHER, 8	3	3						
23	1	22137-100000	WASHER, 10	2	2						
24	1	22157-120000	WASHER, 12	1	1						
25	1	22242-000350	RING, 35	1	1						
26	1	22252-000250	RING, 25	2	2						
27	1	22252-000300	RING, 30	2	2						
28	1	24311-000480	O-RING, 1AP48.0	2	2						
29	1	24761-Q20000	NIPPLE, GREASE PT1/8	4	4						
30	1	26013-080162	BOLT, M8X 16	2	2						
31	1	26013-100202	BOLT, M10X 20	2	2						
32	1	26013-120302	BOLT, M12X 30	1	1						
33	1	26116-080202	BOLT, M8X 20 PLATED	3	3						
34	1	26116-100802	BOLT, M10X 80 PLATED	1	1						
35	1	26716-100002	NUT, M10	2	2						
36	1	26756-060002	NUT, LOCK M6	1	1						
37	1	933171-29751	SHIM SET	2	2						



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-81670	SPACER	2	2						
2	1	172112-87860	SHIM	2	2						
3	1	172A26-94101-2	BLADE ASSY	1	1						
4	2	172168-72240	BUSH	2	2						
5	2	172168-81270	SEAL, DUST	4	4						
7	1	172422-94210	PIN	2	2						
8	1	172142-94241-W	PIN	2	2						
9	1	172124-94310-5	PLATE, LOCK	2	2						
10	1	22157-120000	WASHER, 12	2	2						
11	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
12	1	24761-040000	NIPPLE, GREASE B	2	2						
13	1	26013-100252	BOLT, M10X 25	4	4						
14	1	26013-120302	BOLT, M12X 30	2	2						
15	1	933171-29751	SHIM SET	2	2						

Parts No. Index

Parts No.	Fig. No.	Ref. No.
119247-77100	16	12
119650-77910	13	18
	16	14
119802-55710	11	12
119802-77200	16	13
119808-12540	4	6
119866-12530	4	5
121250-49121	8	6
121450-44531	8	11
121468-44510	8	9
121468-44540	8	12
121470-44581	8	14
124450-44560	8	13
124701-11911	4	10
124766-59050	8	17
	11	15
124970-77920	13	23
129004-12520	4	4
129100-55690	11	11
129211-77920	16	15
129400-13201	4	11
129612-52100	13	8
172020-10620	89	2
	90	2
172068-28490	30	5
		6
172110-76170	85	6 -1
172110-76170-3	85	6
172112-87860	95	2
172113-12522	5	8
172116-46630	30	13
172116-75850-B	72	15
172116-76381	75	21
172117-83970-7	52	35
172122-17190	43	13 -1
		16 -1
	96	1
172122-37844	21	15
		36
172122-46590	25	16
	28	13
172122-57620	35	13
172122-57630	35	10
172122-57640	35	11
172122-70350	47	5
	55	19
172122-70460	55	6
172122-70630	56	11
172122-73430	55	30
172122-73470	55	42

Parts No.	Fig. No.	Ref. No.
172122-73470	56	12
172122-73480	47	41
		42
172122-79890	76	16
	87	25
172122-79930	72	18
	78	14
	82	14
	85	17
	87	26
172122-82290	93	8
172123-76121	17	9
	73	1
	75	4
	79	4
	83	8
	85	3
	87	1
172124-13230-5	6	10
172124-13411	8	8
172124-46200	24	5
	25	15
	28	11
	94	2
172124-65450	44	23
172124-65480	44	24
172124-70380	56	7
172124-70390	56	8
		44
172124-76160	75	7
172124-94310-5	95	9
172125-03951	1	13
	2	3
172126-11510	12	16
	16	1
172126-16540	89	20
	90	20
172137-12270	5	7
172137-14610	11	9
172137-16560	18	2
172137-46042	6	11
		12
	48	1
	49	1
	50	1
	51	1
172137-46210	19	18
172137-62970	89	24
	90	24
172137-66230	38	3

Parts No.	Fig. No.	Ref. No.
172137-69850	30	20
	40	14
172137-73860	57	5
172137-76100	82	2
172137-76580	85	9
172141-29111	20	1
172141-37320	20	6
	97	3
172141-41340	5	9
	25	4
172141-41360	28	5
	29	3
	42	4
172141-41370	24	3
	25	6
		9
	32	3
172141-50762-3	38	21
172141-70020-Z	55	12
172141-70030	55	13
172141-70041	55	14
172141-70100	55	15
172141-70110	55	16
172141-70230	55	17
172141-72250	51	8
	52	2
172141-72420	51	9
172141-73090	51	32
172141-73770	72	6
172141-76181	17	10
	52	27
	74	9
	75	9
	77	1
	78	1
	79	7
	82	8
	83	12
	85	7
	86	5
172141-76220	78	5
	83	15
172141-84601	94	18
172142-45870	28	10
172142-57610	35	9
172142-72260	53	8
172142-72640	53	10
172142-72951	53	23
172142-73800	57	7
172142-76181	48	37

Parts No.	Fig. No.	Ref. No.
172142-76181	49	40
	50	39
	51	35
	75	11
	77	3
	78	3
172142-76240	83	16
172142-76940-2	84	10
172142-76940-Y	84	10 -1
172142-81620	91	7
	92	7
172142-94241-W	95	8
172146-45691	25	12
172146-72270	48	33
172146-73730	72	29
172146-82910	84	13
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	90	13
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41851-000180	73	3
772441-37300-2	20	27
		27 -1
772458-37100-2	21	2
772458-37110-2	21	23
772458-37120-2	21	22
772458-37200-2	21	1
772A46-14100	10	1
772A46-75100	72	1
772A46-75110	72	26
772A46-75200	72	2
772A77-03300	1	1
772A77-03301	1	1 -1
772A77-03340	1	1 A
772A77-03341	1	1 A-1
933110-00301	15	6
933110-54100	25	3
	28	27
933111-20200	48	43
	49	45
	50	44
933111-23600	21	20
		41
933111-26600	48	31
933111-73800	20	10
933125-94500	49	32
	50	30
933147-03400	48	59
	49	53
	50	52
	51	46
	52	44
	98	37
933147-08501	33	24 -1
933152-02710	72	23
933160-01370	79	13
933168-14170	48	60
	49	54
	50	53
	51	47
	52	45
	98	38

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	93	15
	94	37
	95	15

Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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0CB10-M76000EN

Precautions

1. Some of the illustrations in this parts catalog are simplified.
2. Depending on the specifications of your product, the actual product and parts catalog may not match.
3. Please use genuine parts when repairing the product.
4. When ordering spare parts, please confirm the specifications (model name, serial number, part number, quantity, etc.) and confirm with your distributors or dealers.
5. Please refer to the user manual or service manual for information on how to replace parts, technical information, and other related details.
6. If you are using a booklet or PDF parts catalog, you must verify the latest information via the online parts catalog.

Disclaimer

1. Our company will not assume any responsibility for the matters stipulated in each of the following items.

- 1) The contents provided in this parts catalog may not correspond with the latest products due to changes in regulations, product specifications, or other amendments.
- 2) The illustrations of the products listed in this parts catalog (including 3D images) are for image purposes only and may differ from the actual product and specifications.
- 3) This parts catalog does not guarantee conformity to the customer's requirements.
- 4) In addition to the previous items, we do not guarantee the accuracy, completeness, assurance, applicability, usefulness, availability, safety or reliability of this parts catalog.

2. Our company assumes no responsibility whatsoever for any damage or disadvantage suffered by customers or others due to the addition, modification, suspension, cancellation, or discontinuation, etc., of the contents of this parts catalog. ("Damages" includes, but is not limited to, loss of opportunities for use of this parts catalog, as well as consequential damages, indirect damages, special damages, future damages and any loss of profits or any other disadvantages or damages.)

3. Customers are requested to use this parts catalog at their own risk. Our company assumes no responsibility whatsoever for any damages incurred by customers or other companies as a result of using or not using this parts catalog.

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Contents

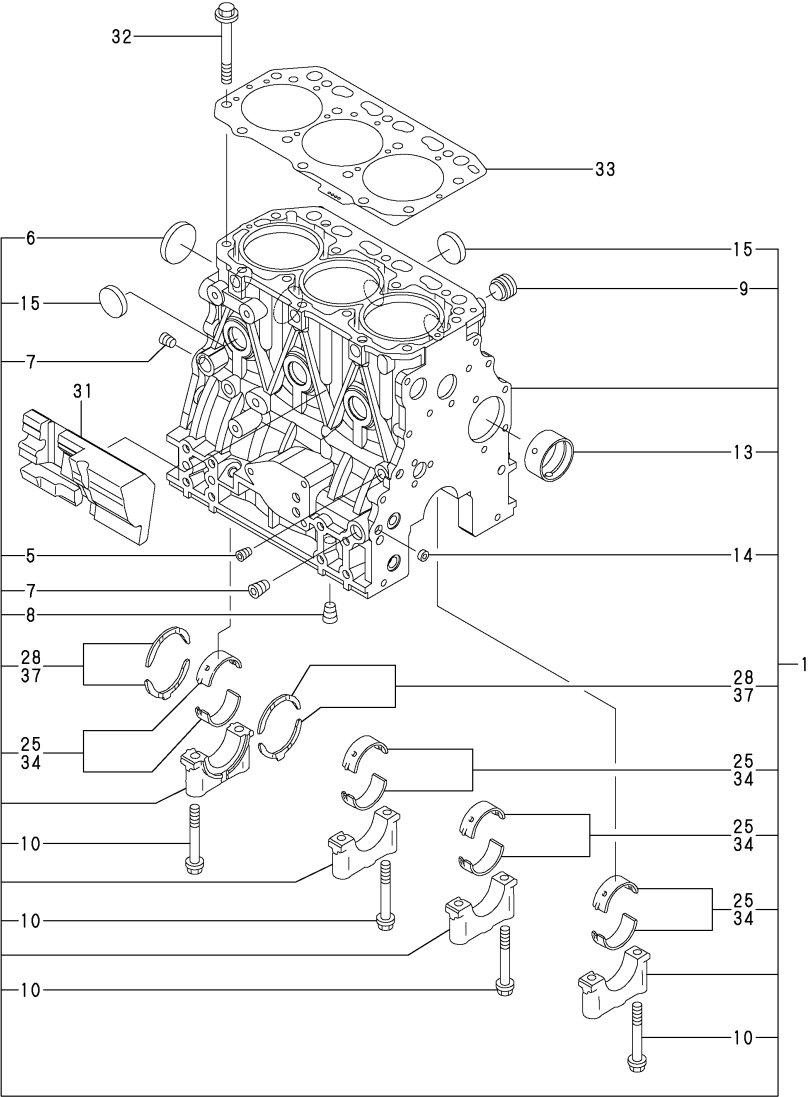
0CB10-M76000

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB. OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL PIPE		
15.	STARTING MOTOR		
16.	GENERATOR		
18.	(16A)GENERATOR		
17.	GASKET SET & TOOLS		

Fig.1. CYLINDER BLOCK

(A)=3TNV88-BQBV
(B)=
(C)=

(D)=
(E)=
(F)=



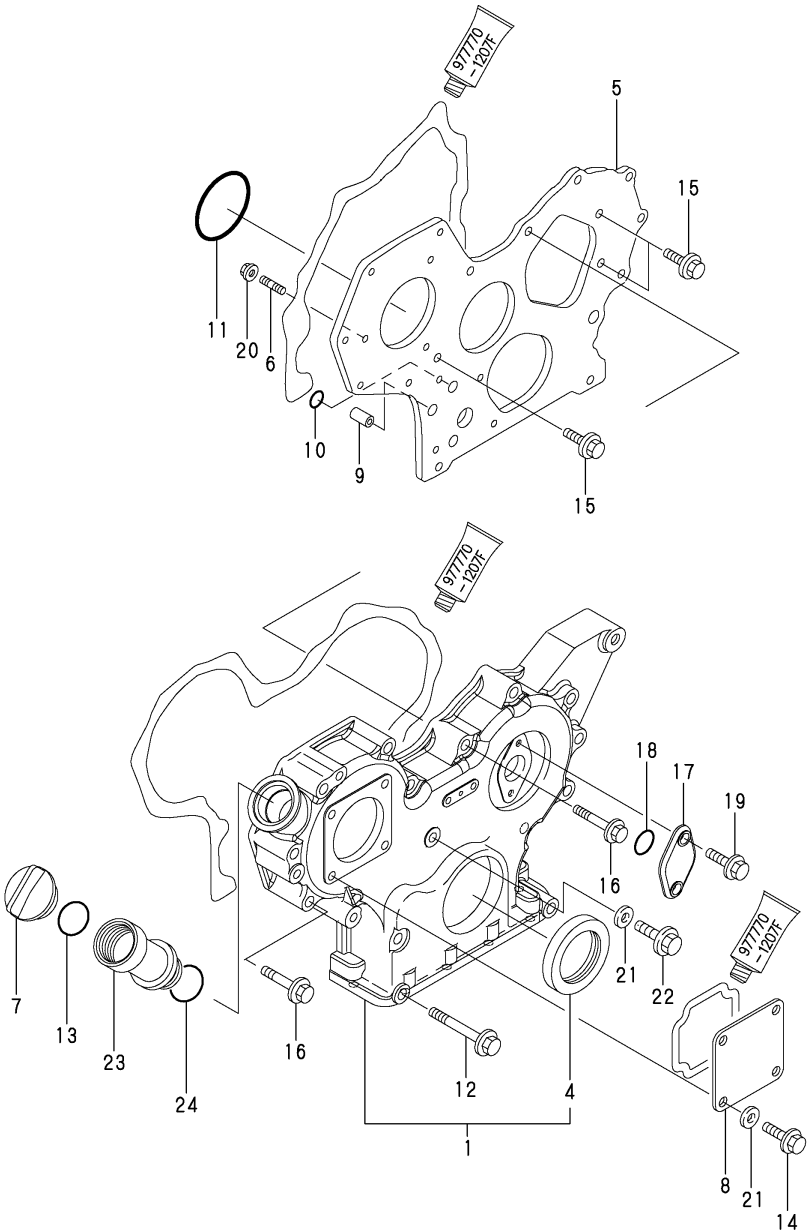
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01562	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	1							
6	2	129001-01250	PLUG, 50	1							
7	2	124160-01910	PLUG, PT1/4	2							
8	2	124160-01910	PLUG, PT1/4	1							
9	2	171051-01921	PLUG, NPTF1	1							
10	2	129150-02020	BOLT, METAL CAP	8							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02931	BEARING, MAIN	4							3
28	2	129150-02931	BEARING, THRUST	2							3
31	1	129004-01190	SPACER	1							
32	1	129150-01200	BOLT, HEAD	14							
33	1	129001-01340	GASKET, HEAD	1							
34	1	129150-02871	BEARING, 0.25 US	4							1
37	1	129150-02941	BEARING, THRUST 0.25	1							2

Remarks
(1)Under-sized(U.S.=0.25) parts.
(2)Over-sized(O.S.=0.25) parts.
(3)Repair parts.

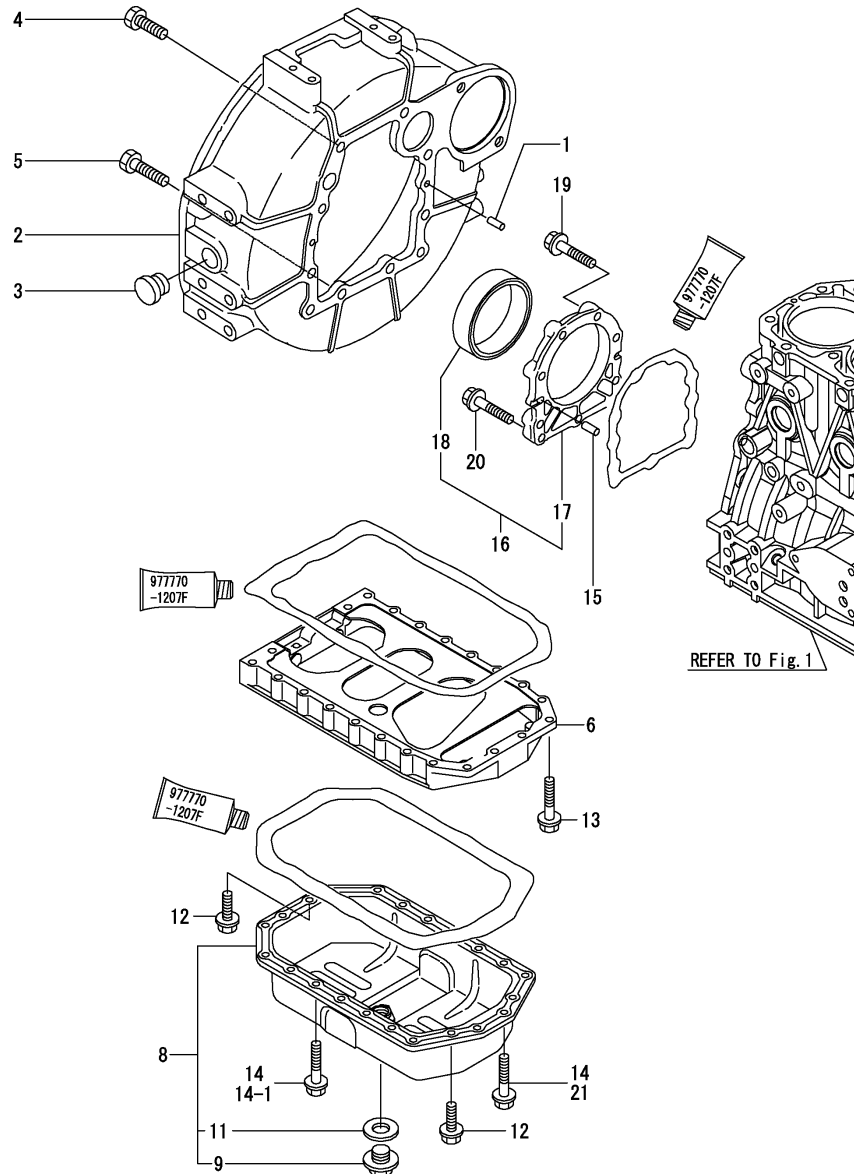
Fig.2. GEAR HOUSING

(A)=3TNV88-BQBV8
(B)=
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729630-01500	CASE ASSY, GEAR	1							
4	2	119934-01800	SEAL, OIL	1							
5	1	119803-01520	FLANGE, GEAR CASE	1							
6	1	119802-01561	STUD, M8X25	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	119609-32040	O-RING, P16	2							
11	1	121850-51960	O-RING	1							
12	1	129001-91841	BOLT, M8X85	3							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	3							
16	1	26106-080552	BOLT, M8X 55 PLATED	12							
17	1	121023-01551	COVER	1							
18	1	24341-000240	O-RING, 1AS24.0	1							
19	1	26106-060162	BOLT, M6X 16 PLATED	2							
20	1	26306-080002	NUT, M8	3							
21	1	22190-080002	WASHER, SEAL 6	5							
22	1	26106-080302	BOLT, M8X 30 PLATED	1							
23	1	171031-11741	PIPE	1							
24	1	24311-000320	O-RING, 1AP32.0	1							

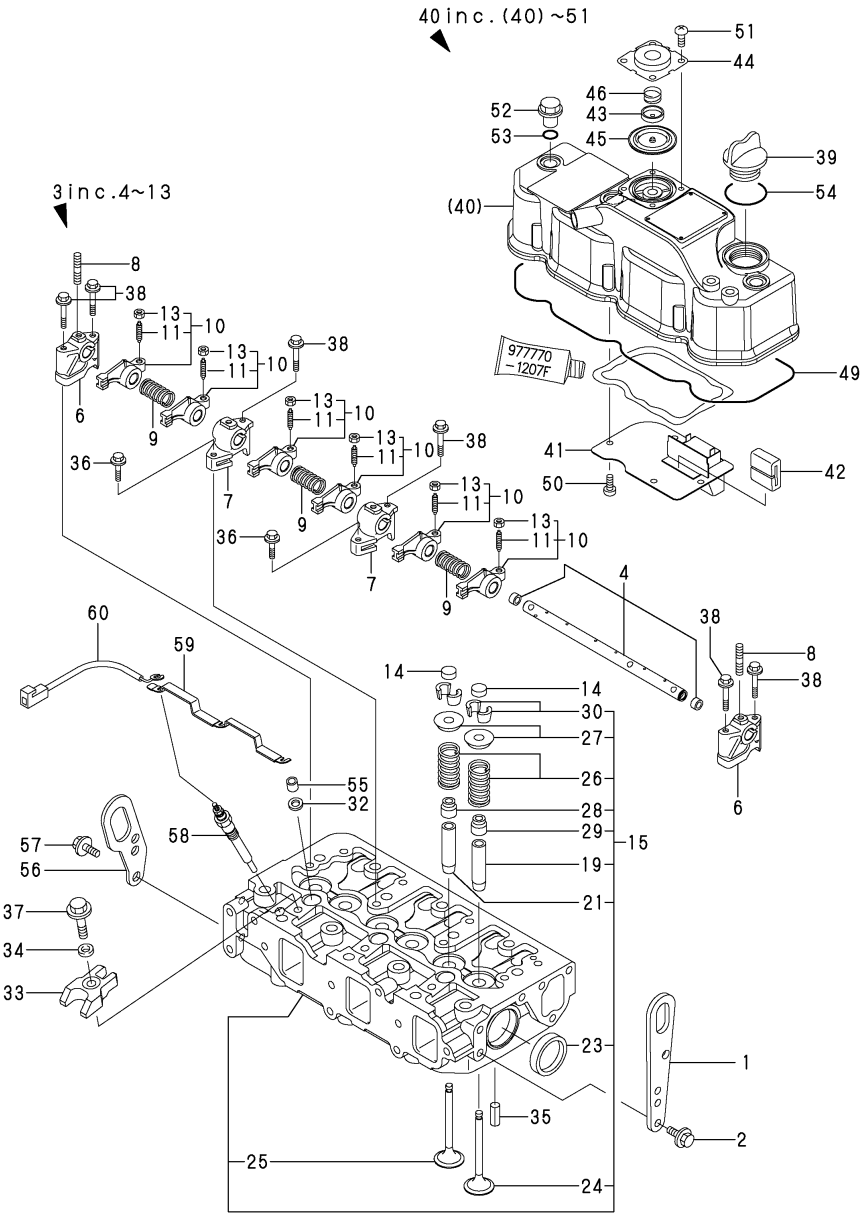


N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.4. CYLINDER HEAD & BONNET

(A)=3TNV88-BQBV8
(B)=
(C)=

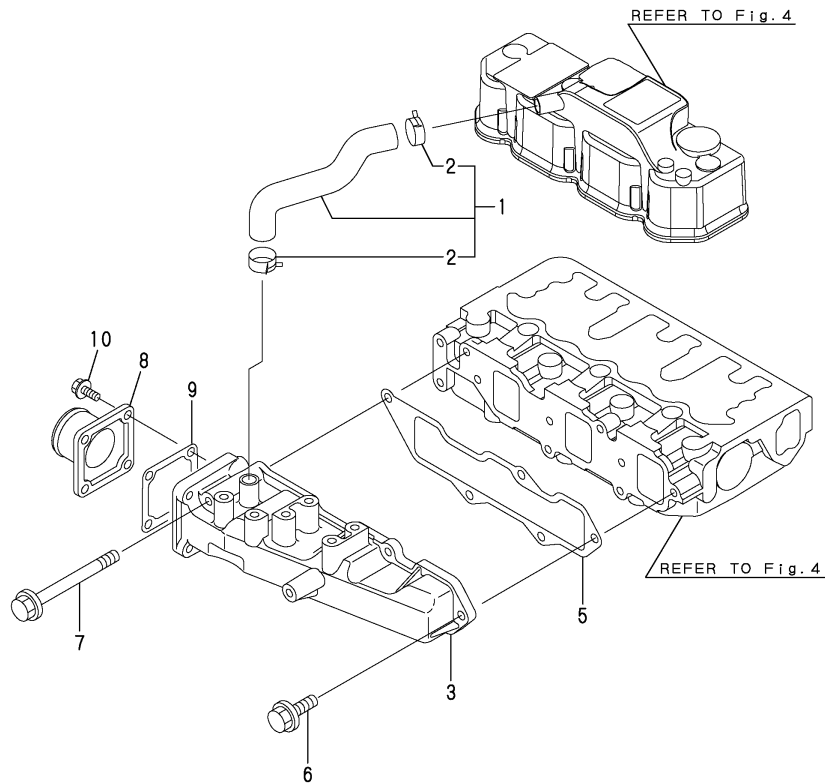
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119940-07900	LIFTER	1							
2	1	26106-080162	BOLT, M8X 16 PLATED	2							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129008-11700	HEAD ASSY, CYLINDER	1							
19	2	120130-11860	GUIDE, VALVE	3							1
21	2	129150-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG, 40	2							
24	2	129005-11100	VALVE, INTAKE	3							
25	2	129100-11112	VALVE, EXHAUST	3							
26	2	129795-11120	SPRING, VALVE	6							
27	2	129795-11180	RETAINER, SPRING	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	27310-080001	COTTER, 8	6							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080352	BOLT, M8X 35 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	129004-11350	BONNET ASSY, HEAD	1							
41	2	129004-03010	PLATE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	129004-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW, 5X10	4							
51	2	22857-500100	SCREW, 5X10	4							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING, 1AP12.0	3							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	119802-11870	PROTECTOR, NOZZLE	3							
56	1	119626-07900	LIFTER	1							
57	1	26106-080142	BOLT, M8X 14 PLATED	2							
58	1	129008-77800	PLUG, GLOW	3							
59	1	129008-77820	CONNECTOR, GLOW PLUG	1							
60	1	119803-77830	HARNESS, WIRE	1							

Remarks
(1)Repair parts.

Fig.5. SUCTION MANIFOLD



				(A)=3TNV88-BQVB (B)= (C)=			(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	1	129004-03080	PIPE , BREATHER	1							
2	2	129410-03990	CLIP	2							
3	1	129004-12100	MANIFOLD, AIR INTAKE	1							
5	1	129001-12110	GASKET, MANIFOLD	1							
6	1	26106-080202	BOLT, M8X 20 PLATED	4							
7	1	26106-080802	BOLT, M8X 80 PLATED	1							
8	1	129486-12581	JOINT, MANIFOLD	1							
9	1	129150-77511	GASKET	1							
10	1	26106-080202	BOLT, M8X 20 PLATED	4							

Fig.6. EXHAUST MANIFOLD

(A)=3TNV88-BQBV
(B)=
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-13110	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	119131-18320	STUD, M8X22	4							
4	1	123900-13630	BOLT, M8X80	4							
5	1	123900-13610	STUD, M8X80	2							
6	1	26306-080002	NUT, M8	2							

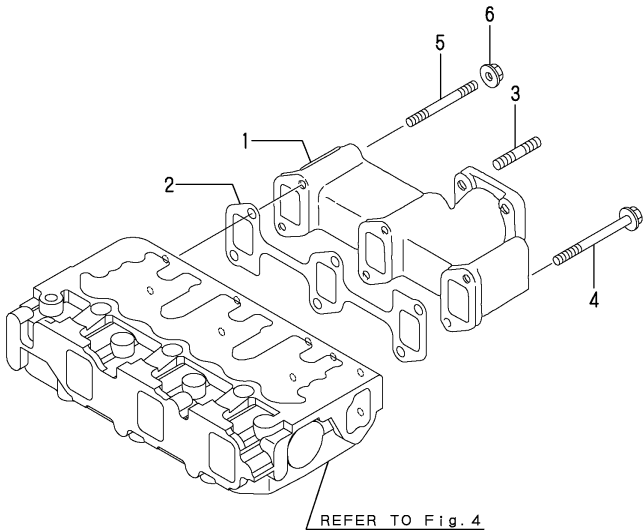
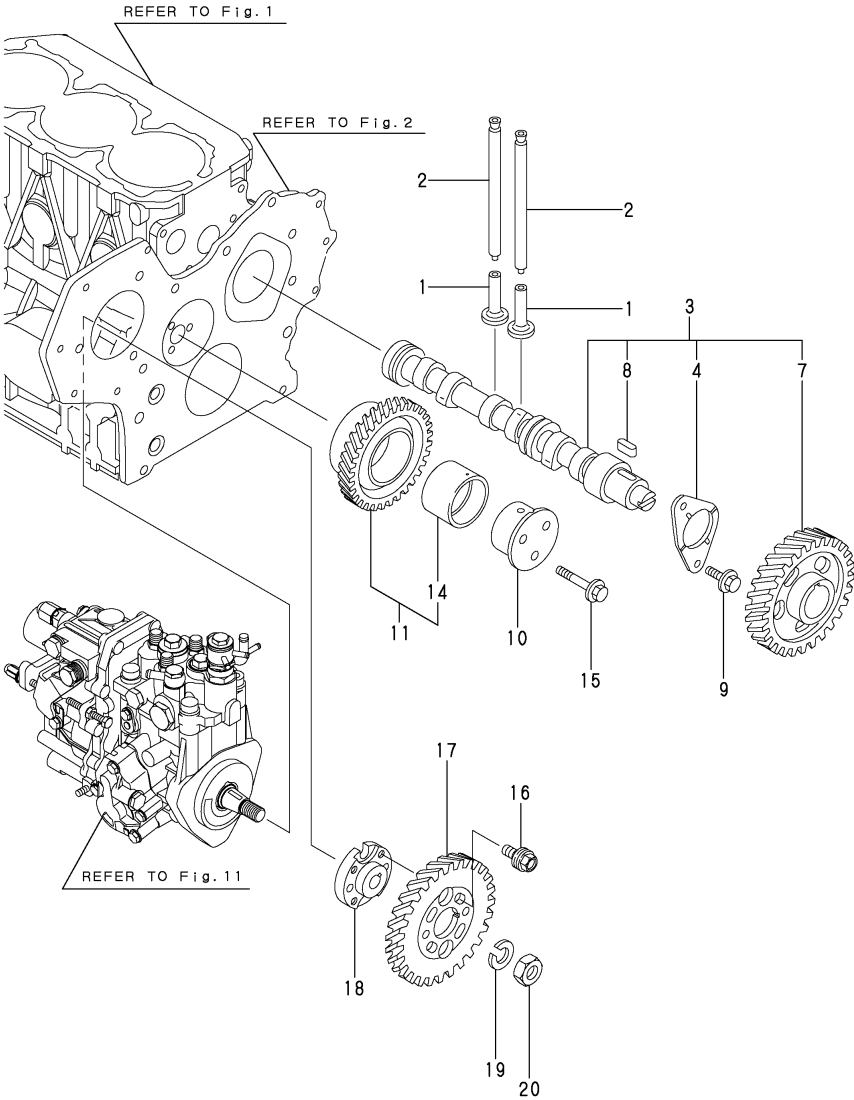


Fig.7. CAMSHAFT & DRIVING GEAR

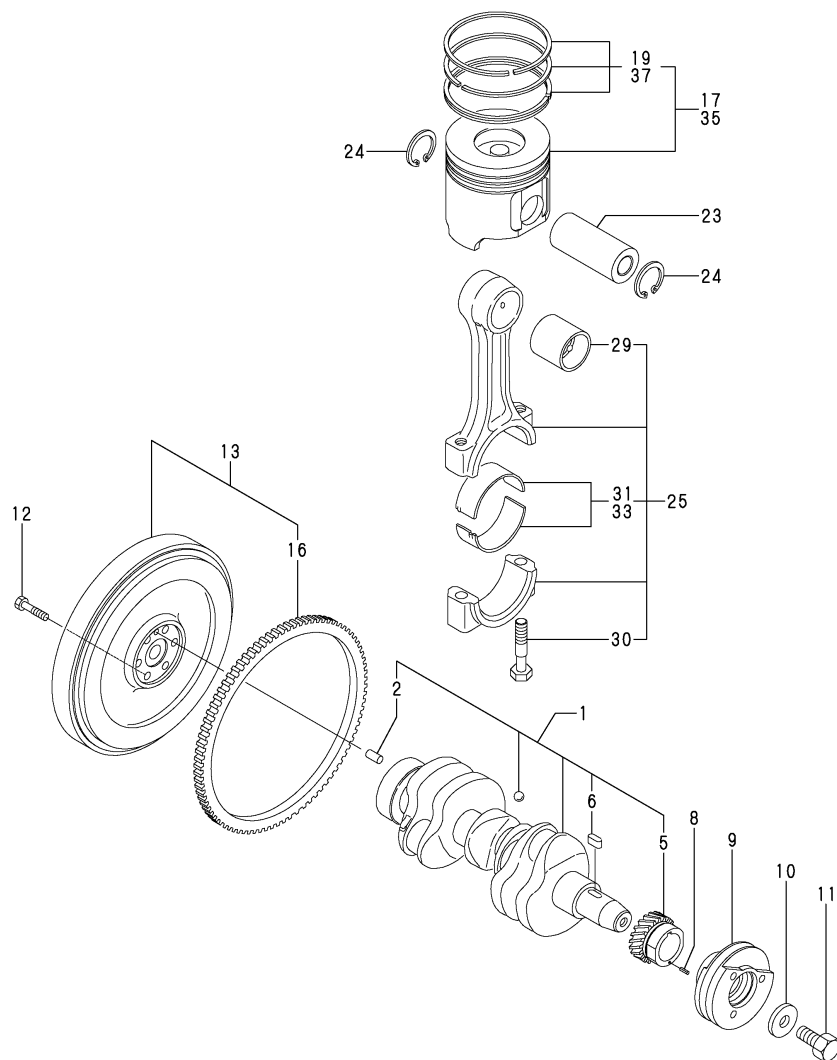
(A)=3TNV88-BQBV8
(B)=
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	119803-25050	SHAFT, IDLE	1							
11	1	119802-25101	GEAR ASSY, IDLE	1							
14	2	119802-25071	BUSH, IDLE GEAR	1							1
15	1	26106-080402	BOLT, M8X 40 PLATED	3							
16	1	129150-25301	BOLT	4							
17	1	119802-25901	GEAR, PUMP	1							
18	1	158552-51151	FLANGE	1							
19	1	22217-140000	WASHER, SPRING 14	1							
20	1	26776-140002	NUT, LOCK M14	1							

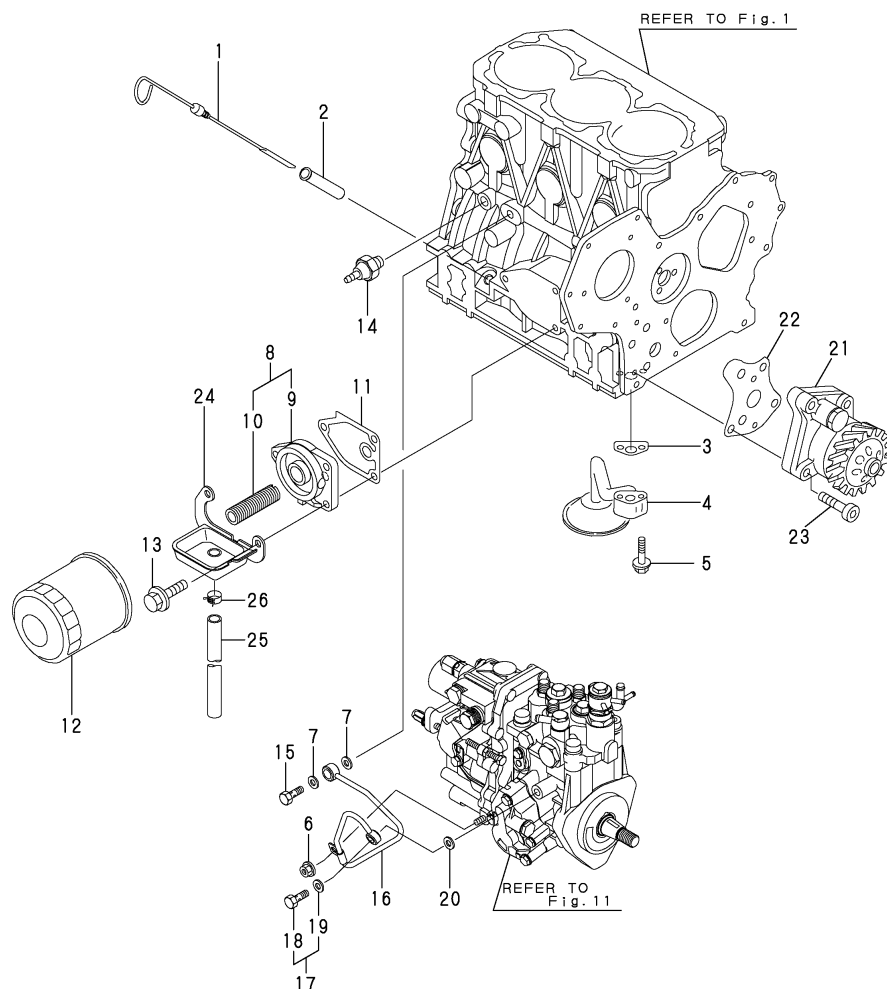
Remarks
(1)Repair parts.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129008-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119803-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	129004-21650	V-PULLEY, 110	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129002-21590	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129005-22080	PISTON ASSY	3							
19	2	129005-22500	RING SET, PISTON	3							
23	1	129202-22300	PIN, PISTON D26 L70	3							
24	1	22252-000260	RING, 26	6							
25	1	729402-23100	ROD ASSY, CONNECTING	3							
29	2	129100-23910	BEARING, PISTON PIN	3							1
30	2	121550-23200	BOLT, CONNECTING ROD	6							
31	2	129150-23601	BEARING, CRANK PIN	3							1
33	1	129150-23611	BEARING, 0.25 US	3							2
35	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
37	2	129005-22950	RING SET, 0.25 OS	3							3

(1)Repair parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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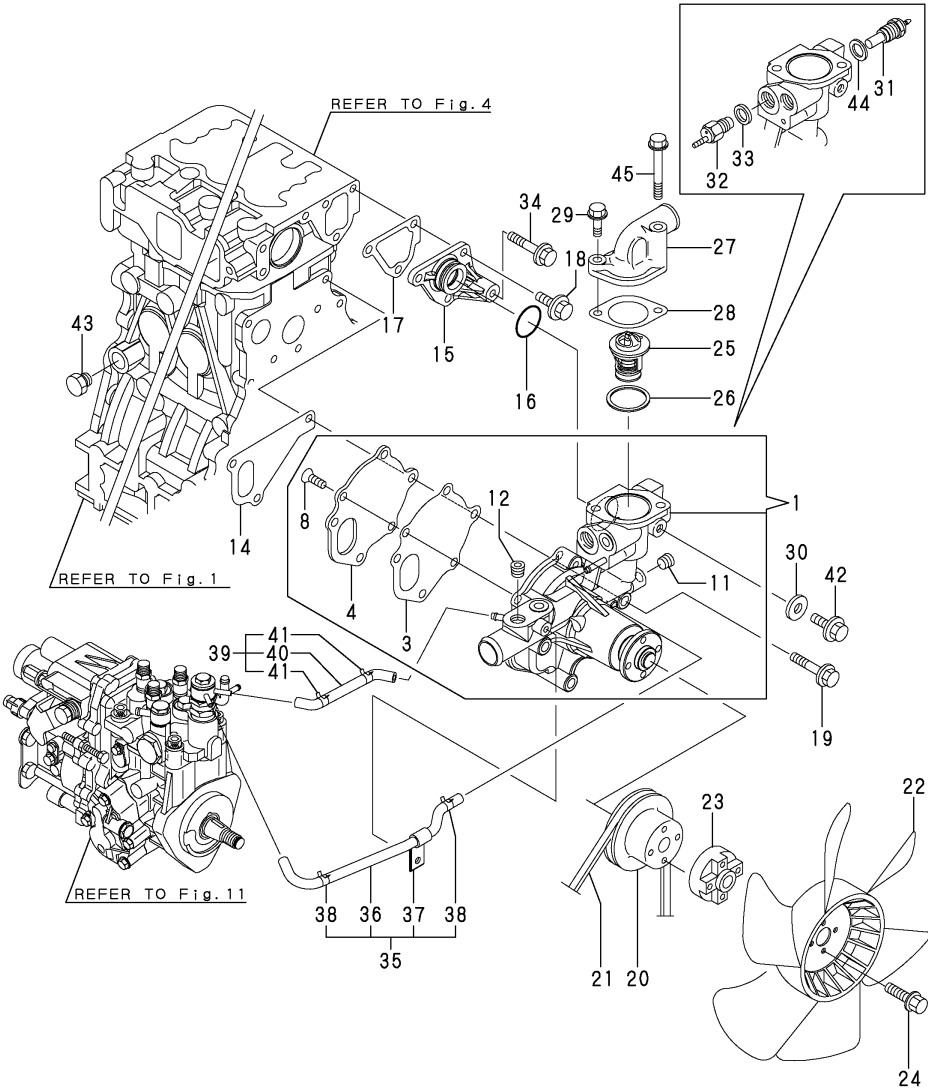


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-34802	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35042	GASKET	1							
4	1	129100-35301	PIPE ASSY, OIL INLET	1							
5	1	26106-080352	BOLT, M8X 35 PLATED	2							
6	1	26366-060002	NUT, M6	1							
7	1	22190-100002	WASHER, SEAL 10	2							
8	1	119802-35100	BRACKET ASSY, FILTER	1							
9	2	119802-35110	BRACKET, FILTER	1							
10	2	129100-35140	STUD	1							
11	1	129150-35111	GASKET	1							
12	1	119005-35170	FILTER, D80X100	1							1
13	1	26106-080202	BOLT, M8X 20 PLATED	3							
14	1	114250-39450	SWITCH, 0.5KG	1							
15	1	124160-39140	BOLT, PIPE JOINT M10	1							
16	1	119802-39450	PIPE ASSY, OIL	1							
17	1	129005-59830	BOLT ASSY, JOINT M8	1							
18	2	23857-030000	BOLT, JOINT 3	1							
19	2	22190-080002	WASHER, SEAL 6	1							
20	1	22190-080002	WASHER, SEAL 6	1							
21	1	129001-32001	PUMP ASSY, OIL	1							
22	1	129150-32020	GASKET, PUMP	1							
23	1	26450-060252	BOLT, M6X 25	4							
24	1	129240-35800	OIL PAN	1							
25	1	23065-120230	PIPE, 12X 230	1							
26	1	23080-014000	CLAMP, 14	1							

(1) Repair parts.

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.10. COOLING WATER SYSTEM

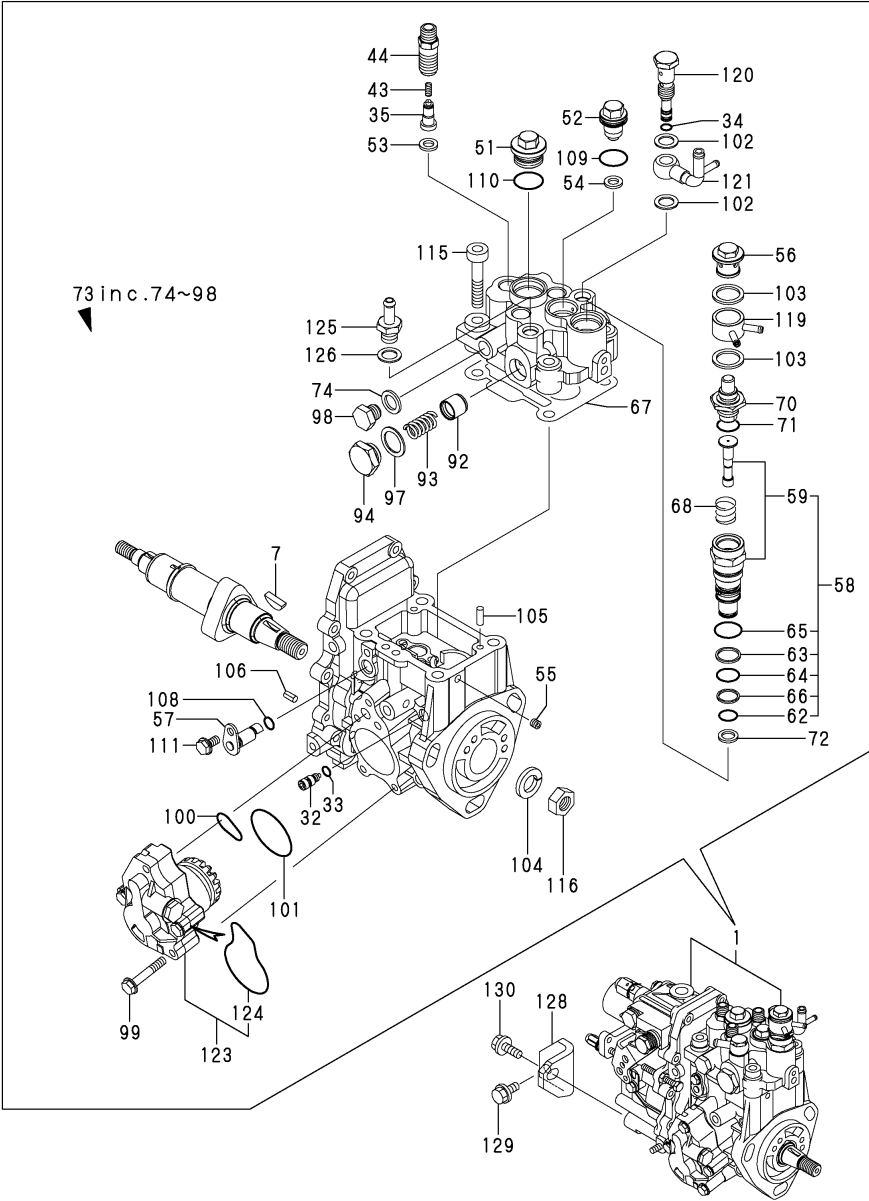


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
11	2	23876-010000	PLUG, R01	1							
12	2	23876-020000	PLUG, R02	1							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET	1							
18	1	26106-080162	BOLT, M8X 16 PLATED	3							
19	1	26106-080602	BOLT, M8X 60 PLATED	3							
20	1	129155-42350	V-PULLEY	1							
21	1	119831-42290	V-BELT, A37.5	1							
22	1	119831-44740	FAN, COOLING D322XUC	1							
23	1	121267-44760	SPACER	1							
24	1	26106-060302	BOLT, M6X 30 PLATED	4							
25	1	129155-49801	THERMOSTAT, 71	1							
26	1	129150-49811	GASKET, THERMOSTAT	1							
27	1	124101-49531	COVER, THERMOSTAT	1							
28	1	129795-49551	GASKET	1							
29	1	26106-080252	BOLT, M8X 25 PLATED	1							
30	1	23414-080000	GASKET, 8X1.0	1							
31	1	171056-49351	SENSOR	1							
32	1	121250-44901	SWITCH, 110	1							
33	1	124465-44950	GASKET, 16	1							
34	1	26106-080452	BOLT, M8X 45 PLATED	1							
35	1	129004-49610	PIPE ASSY, WATER	1							
36	2	129004-49711	PIPE ASSY, WATER	1							
37	2	119802-49730	RETAINER, PIPE	1							
38	2	124722-59050	CLIP, HOSE 9	2							
39	1	129004-49620	PIPE ASSY, WATER	1							
40	2	129004-49721	PIPE ASSY, WATER	1							
41	2	124722-59050	CLIP, HOSE 9	2							
42	1	26106-080122	BOLT, M8X 12 PLATED	1							
43	1	171056-49120	PLUG, DRAIN	1							
44	1	129150-49360	GASKET	1							
45	1	26106-080652	BOLT, M8X 65 PLATED	1							

Fig.11. FUEL INJECTION PUMP

(A)=3TNV88-BQBV8
(B)=
(C)=

(D)=
(E)=
(F)=

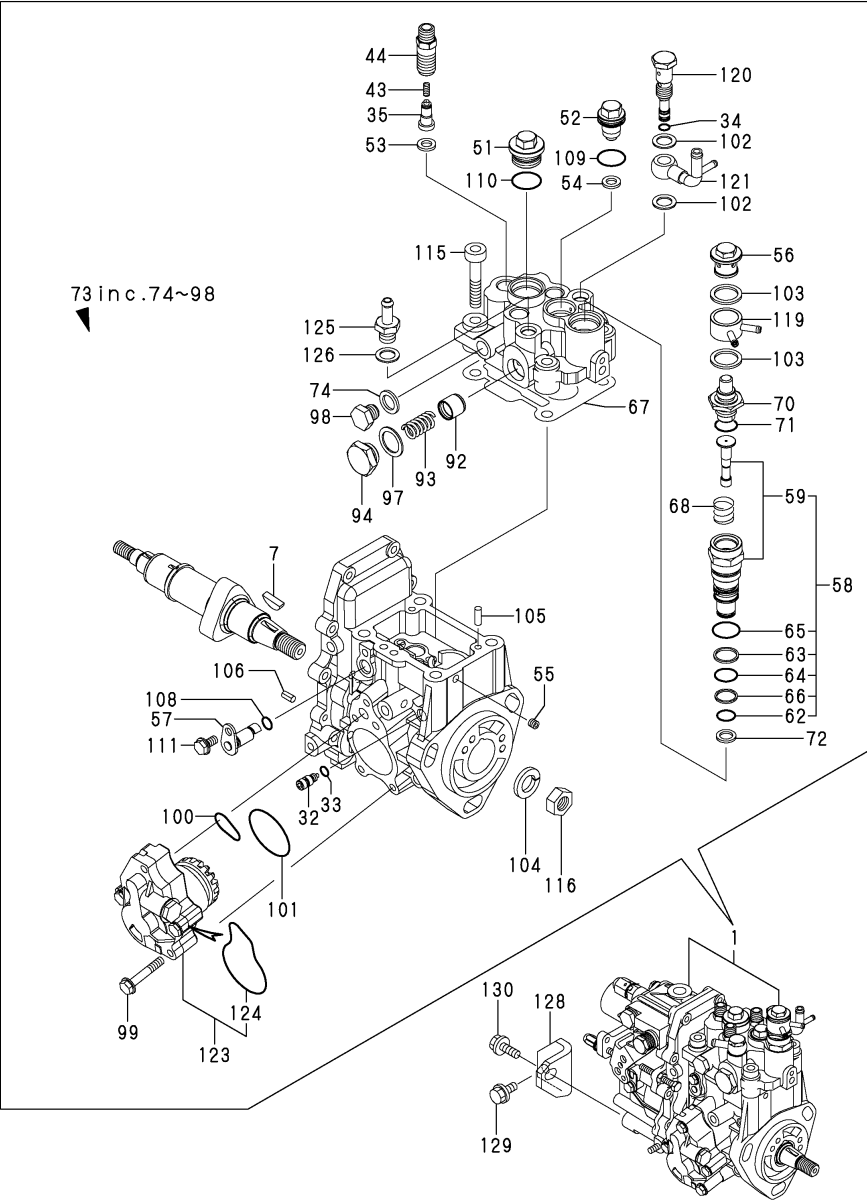


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729236-51400	PUMP ASSY, INJECTION	1							1
7	3	119802-51090	KEY, 4X16	1							
32	3	158600-51270	STOPPER, TAPPET	1							
33	3	158563-51281	O-RING, 4D S6	1							
34	3	158563-51281	O-RING, 4D S6	1							
35	3	129008-51300	VALVE ASSY, DELIVERY	3							
43	3	158563-51330	SPRING, DELIVERY	3							
44	3	129008-51340	HOLDER, DELIVERY	3							
51	3	158601-51550	PLUG	1							
52	3	119802-51560	PLUG, BARREL	1							
53	3	158552-51570	GASKET	3							
54	3	158552-51570	GASKET	1							
55	3	158557-51570	PLUG	1							
56	3	158601-51570	PLUG	1							
57	3	158552-51580	LIFTER	1							
58	3	119802-51590	TIMER SET	1							
59	4	119802-51600	TIMER ASSY	1							
62	4	158553-51670	O-RING, 1011	1							
63	4	119802-51680	RING, BACK UP	1							
64	4	119802-51690	O-RING	1							
65	4	24356-010200	O-RING, 4D1020	1							
66	4	24372-000150	RING, BACK UP T2P15	1							
67	3	158552-51600	GASKET	1							
68	3	158553-51630	SPRING, TIMER	1							
70	3	158553-51640	ELEMENT	1							
71	3	158553-51660	O-RING, P14	1							
72	3	158553-51680	GASKET	1							
73	3	129008-51740	HEAD ASSY	1							
74	4	22190-120002	WASHER, SEAL 12	1							
92	4	158601-51770	PISTON	1							
93	4	158552-51781	SPRING	1							
94	4	158601-51790	PLUG	1							
97	4	22190-180002	WASHER, SEAL 18	1							
98	4	23887-120002	PLUG, 12	1							
99	3	158553-51770	BOLT	4							
100	3	158552-52310	O-RING	1							
101	3	158552-52400	O-RING, 4E S42	1							
102	3	22190-120002	WASHER, SEAL 12	2							
103	3	22190-180002	WASHER, SEAL 18	2							
104	3	22217-140000	WASHER, SPRING 14	1							
105	3	22312-050140	PIN, PARALLEL M5X14	2							
106	3	22351-050010	PIN, SPRING 5.0X10	2							
108	3	24311-000070	O-RING, 1AP7.0	1							
109	3	24356-010180	O-RING, 4D1018	1							
110	3	24356-010200	O-RING, 4D1020	1							
111	3	26106-060102	BOLT, M6X 10 PLATED	1							
115	3	26450-080452	BOLT, M8X 45	4							
116	3	26776-140002	NUT, LOCK M14	1							
119	2	158553-51551	JOINT	1							
120	2	158601-51650	JOINT, OVER FLOW	1							
121	2	158552-51670	JOINT, OVER FLOW	1							

Remarks

(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

0CB10-M76000 ENGINE
Fig.11. FUEL INJECTION PUMP

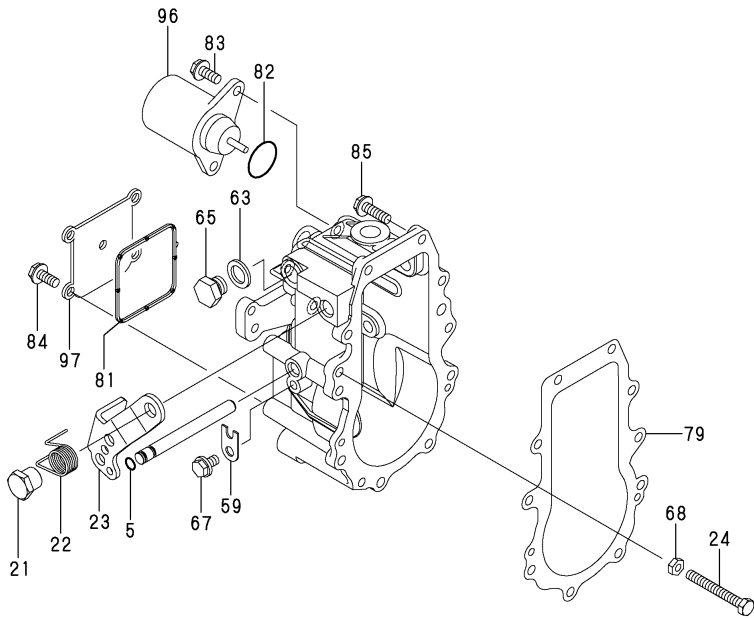


				Q'ty						I R	
				(A)	(B)	(C)	(D)	(E)	(F)		
No.	Lev.	Parts No.	Description								
123	2	158552-52100	PUMP ASSY, FUEL FEED	1							
124	3	158552-52500	O-RING	1							
125	2	119934-59910	JOINT, PIPE	1							
126	2	22190-120002	WASHER, SEAL 12	1							
128	1	119802-51250	RETAINER, PUMP	1							
129	1	26106-080162	BOLT, M8X 16 PLATED	1							
130	1	26106-080202	BOLT, M8X 20 PLATED	1							

Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

(A)=3TNV88-BQBV8
(B)=
(C)=

(D)=
(E)=
(F)=



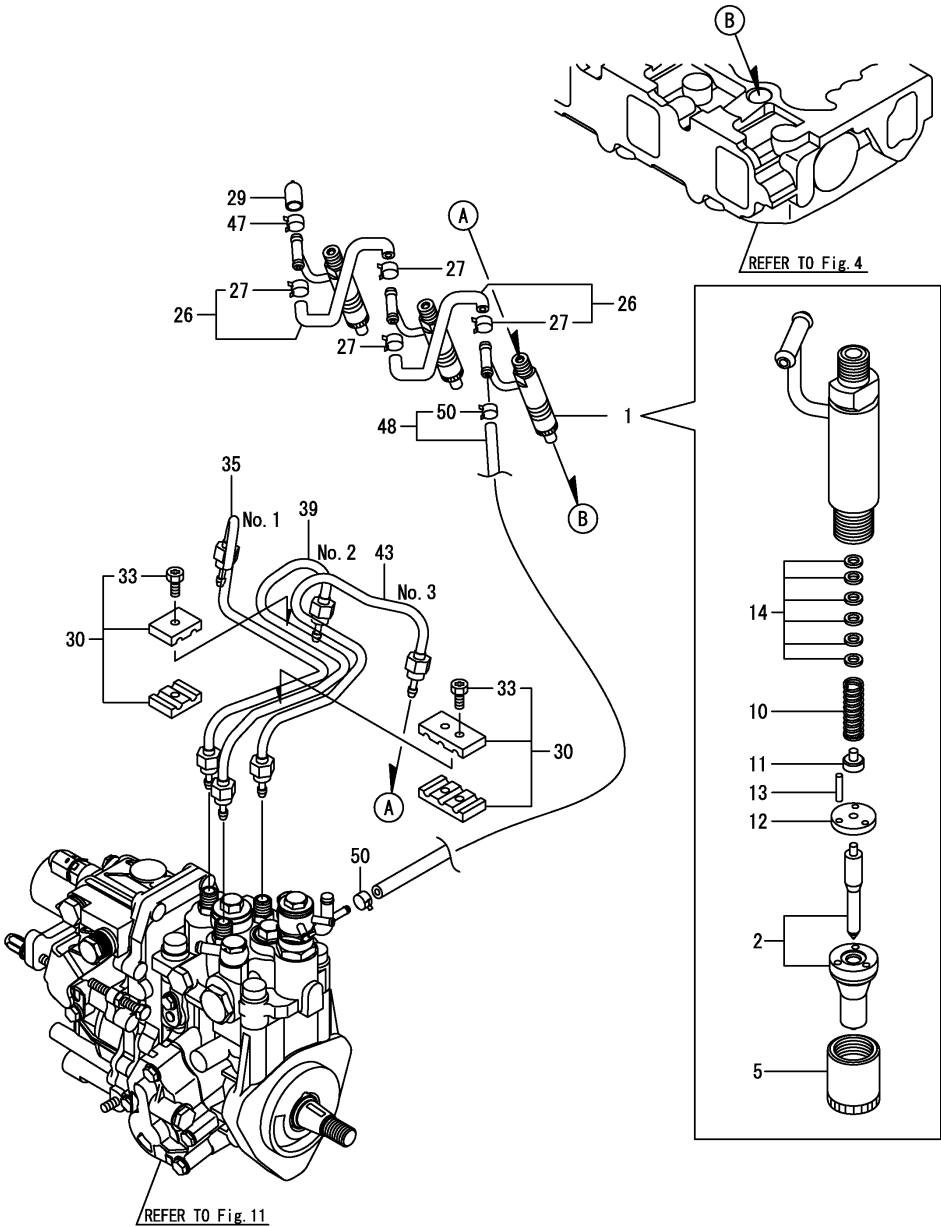
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
5	4	129155-51280	O-RING, S6	1							
21	4	129255-61410	NUT, LOCK	1							
22	4	119807-61420	SPRING, RETURN	1							
23	4	158552-61441	LEVER, REGULATOR	1							
24	4	129155-61460	BOLT, IDLE	1							
59	4	119660-61901	RETAINER, SHAFT	1							
63	4	22190-120000	WASHER, SEAL 12	1							
65	4	23887-120002	PLUG, 12	1							
67	4	26106-060102	BOLT, M6X 10 PLATED	1							
68	4	26756-060002	NUT, LOCK M6	1							
79	3	158553-61050	GASKET	1							
81	3	158553-61070	GASKET	1							
82	3	158552-61900	O-RING	1							
83	3	26106-060142	BOLT, M6X 14 PLATED	2							
84	3	26106-060142	BOLT, M6X 14 PLATED	4							
85	3	26106-060202	BOLT, M6X 20 PLATED	10							
96	2	119233-77932	SOLENOID, STOP	1							
97	2	129642-61060	COVER, GOVERNOR CASE	1							

Remarks
* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.11).

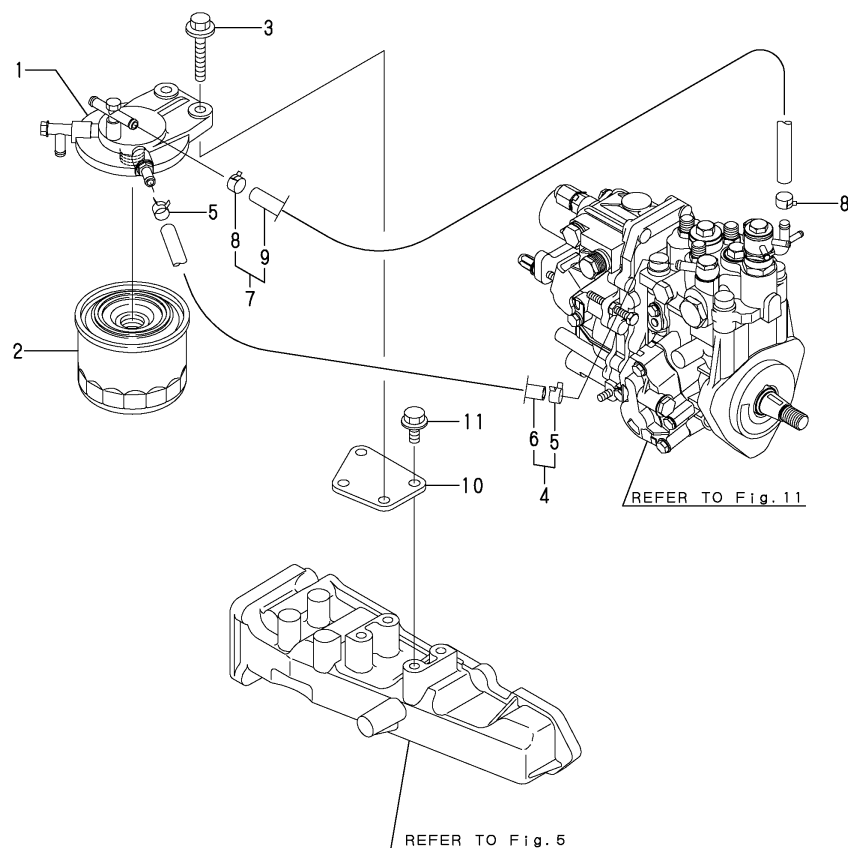
Fig.13. FUEL INJECTION VALVE

(A)=3TNV88-BQBV8
(B)=
(C)=

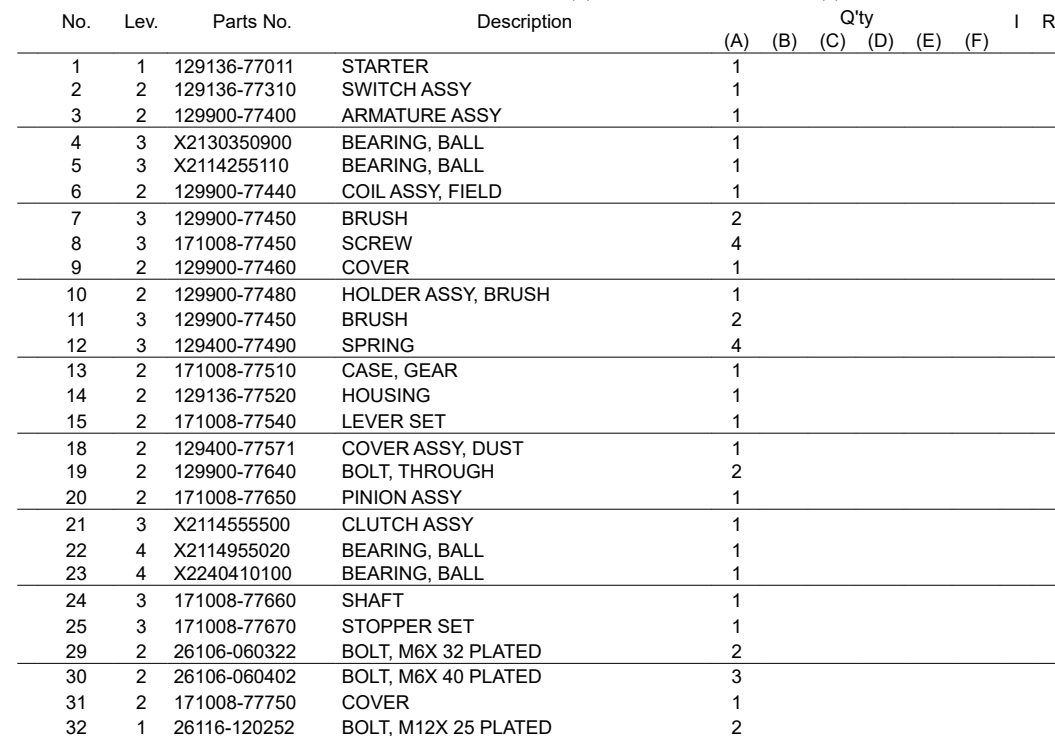
(D)=
(E)=
(F)=

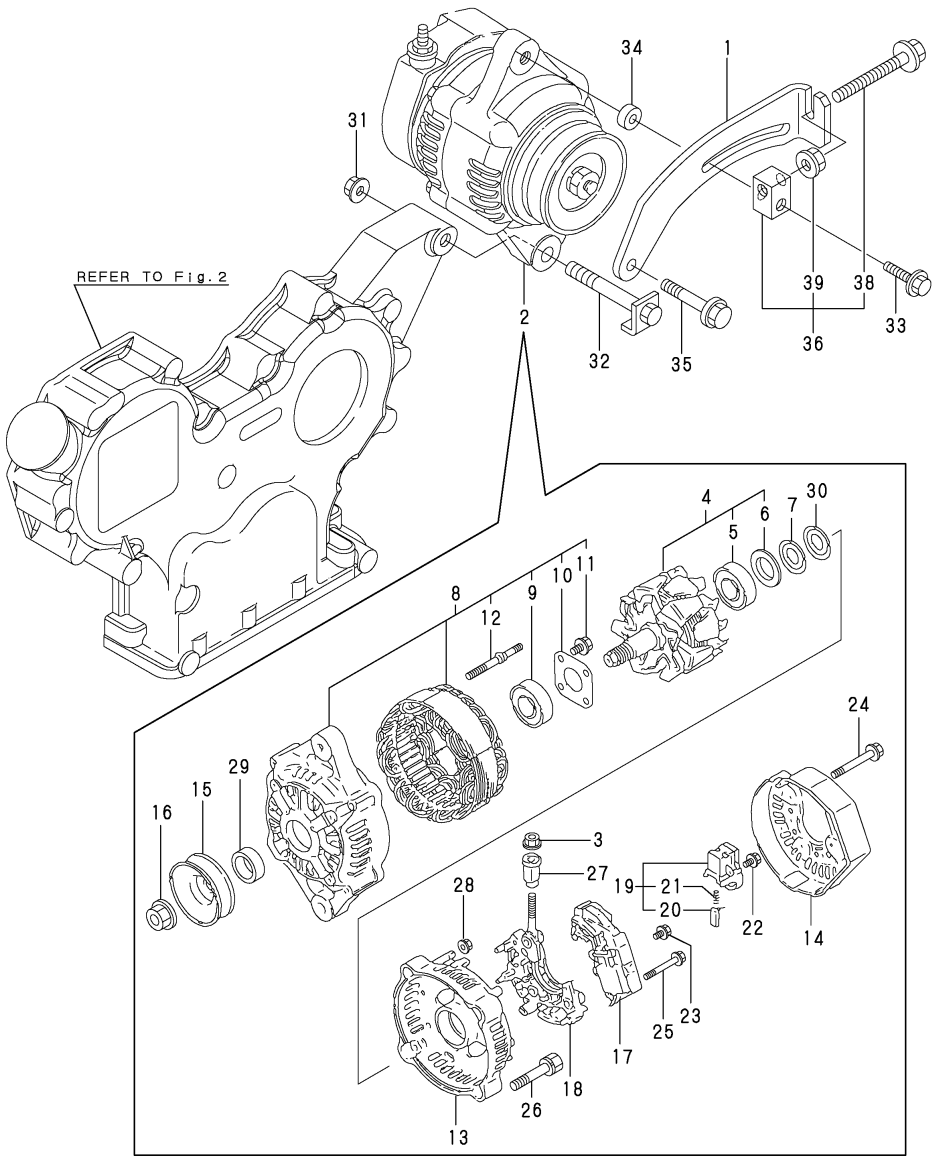


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729245-53100	VALVE ASSY,INJECTION	3							
2	2	129004-53001	NOZZLE ASSY	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	119803-53400	SHIM SET	3							
26	1	129486-59551	PIPE ASSY, RETURN	2							
27	2	124722-59050	CLIP, HOSE 9	4							
29	1	119593-59581	CAP	1							
30	1	129150-59120	RETAINER, PIPE	2							
33	2	129150-59131	BOLT, M4X14	4							
35	1	129004-59811	PIPE ASSY, INJECTION	1							
39	1	129004-59821	PIPE ASSY, INJECTION	1							
43	1	129004-59831	PIPE ASSY, INJECTION	1							
47	1	124060-77680	CLIP, HOSE 10	1							
48	1	119802-59550	PIPE ASSY, RETURN	1							
50	2	124722-59050	CLIP, HOSE 9	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	129004-55810	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129210-59030	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129150-59511	PIPE, FUEL	1							
7	1	129210-59050	PIPE ASSY, FUEL	1							
8	2	124766-59050	CLIP, HOSE 12	2							
9	2	105312-59510	PIPE, FUEL	1							
10	1	129642-55901	BRACKET, FILTER	1							
11	1	26106-080182	BOLT, M8X 18 PLATED	2							





(A)=3TNV88-BQBV8
(B)=
(C)=

(D)=
(E)=
(F)=

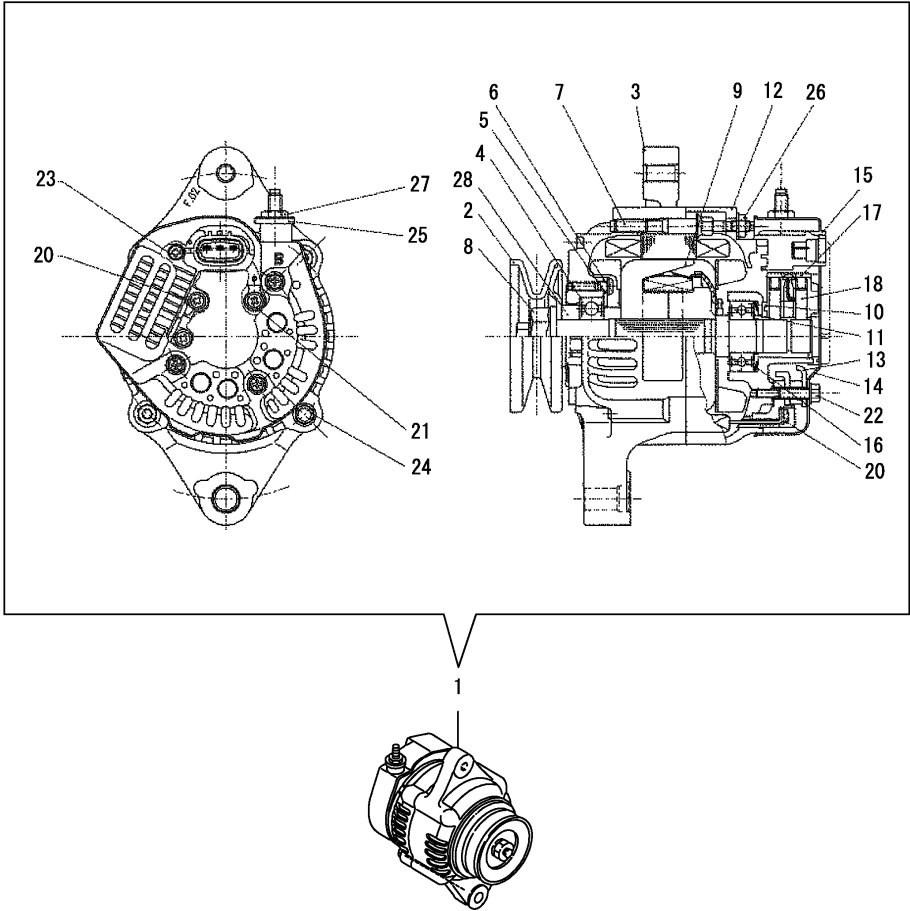
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119940-77310	ADJUSTER, BELT	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
2-1	1	129423-77210	ALTERNATOR, 12V-40A	1						N	
(A=*2016.12.)											
2-2	1	129423-77220	ALTERNATOR, 12V-40A	1						N	1
(A=*2023.02.)											
3	2	X9490561001	NUT	1							
3-1	2	129240-79310	NUT	1						N	
(A=*2016.12.)											
4	2	119620-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BEARING, BALL	1							
10	3	119620-79210	PLATE, RETAINER	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	STUD	2							
13	2	119620-77440	FRAME ASSY, REAR	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY, GENERATOR	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
17-1	2	129423-77730	REGULATOR ASSY	1						N	
(A=*2016.12.)											
18	2	119620-79260	HOLDER ASSY	1							
19	2	129052-79270	HOLDER ASSY, BRUSH	1							
20	3	119620-77480	BRUSH ASSY, SUB	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	1							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW, W/WASHER	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	BUSH, INSULATION	1							
28	2	119620-79350	NUT	2							
29	2	119620-77490	COLLAR	1							
30	2	119620-79360	WASHER, THRUST	1							
31	1	26306-100002	NUT, M10	1							
32	1	119740-77250	BOLT, M10X75	1							
33	1	26106-080552	BOLT, M8X 55 PLATED	1							
34	1	119940-77270	SPACER, GENERATOR	1							
35	1	26106-080452	BOLT, M8X 45 PLATED	1							
36	1	119624-77351	BLOCK ASSY, ADJUSTER	1							
38	2	26106-081004	BOLT, M8X100 PLATED	1							
39	2	26306-080002	NUT, M8	1							

Remarks
(1)Inner parts are shown in Fig.18.

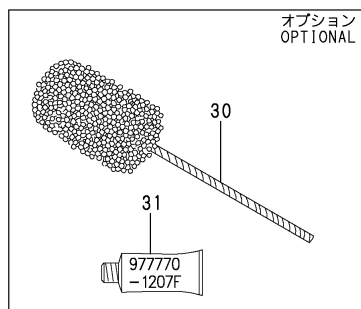
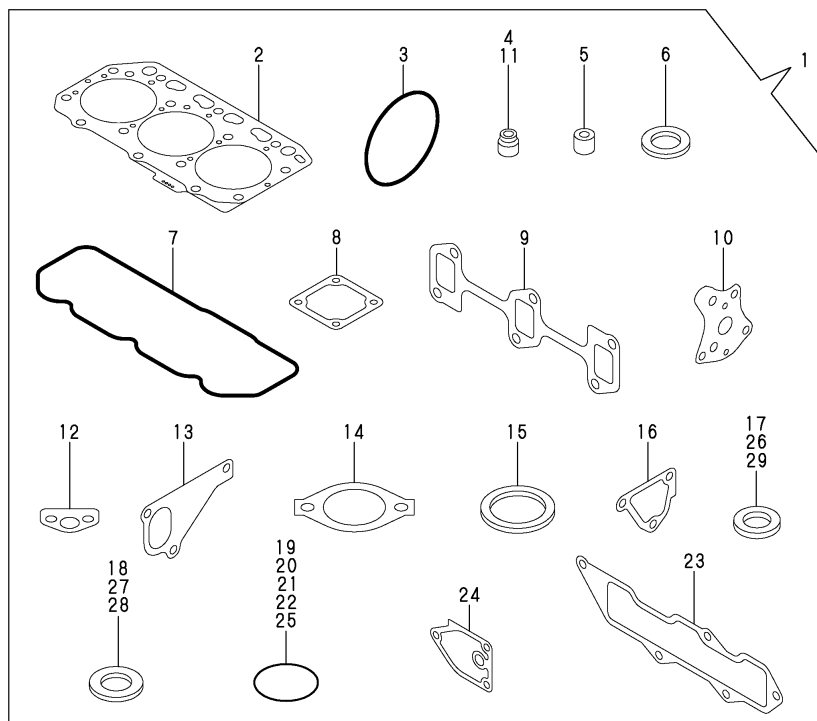
Fig.18. (16A)GENERATOR

(A)=3TNV88-BQBV
(B)=
(C)=

(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129423-77220	ALTERNATOR, 12V-40A	1							
2	2	119254-77500	PULLEY, GENERATOR	1							
3	2	129423-77500	FRAME ASSY, DRIVE	1							
4	3	119254-77530	BEARING, BALL	1							
5	3	119254-77540	PLATE, RETAINER	1							
6	3	119254-77550	SCREW	4							
7	3	119254-77560	STUD	2							
8	2	119254-77510	NUT	1							
9	2	129423-77510	ROTOR ASSY	1							
10	3	119254-77580	BEARING, BALL	1							
11	3	119254-77590	COVER, BEARING	1							
12	2	129423-77520	FRAME, END RR	1							
13	2	129423-77530	HOLDER ASSY, RECTIFI	1							
14	2	129423-77560	COVER, END RR	1							
15	2	119626-77570	REGULATOR ASSY	1							
16	2	129423-77570	WASHER	1							
17	2	119254-77620	HOLDER ASSY, BRUSH	1							
18	3	129423-77540	BRUSH ASSY, SUB	2							
20	2	119254-77640	SCREW	6							
21	2	119254-77650	SCREW	1							
22	2	119254-77660	BOLT	3							
23	2	119254-77670	SCREW, W/WASHER	2							
24	2	119254-77680	BOLT	2							
25	2	119254-77700	BUSH, INSULATION	1							
26	2	119254-77710	NUT	2							
27	2	119254-77720	NUT	1							
28	2	119254-77730	COLLAR	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-92640	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	124460-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	129004-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	129150-13110	GASKET	1							
10	2	129150-32020	GASKET, PUMP	1							
11	2	121400-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	GASKET	1							
13	2	129486-42021	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
16	2	124395-49840	GASKET	1							
17	2	22190-080002	WASHER, SEAL 6	2							
18	2	124465-44950	GASKET, 16	1							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	129486-42140	O-RING, G30	1							
23	2	129001-12110	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	119609-32040	O-RING, P16	4							
26	2	22190-100002	WASHER, SEAL 10	2							
27	2	23414-080000	GASKET, 8X1.0	1							
28	2	129150-49360	GASKET	1							
29	2	22190-220002	WASHER, SEAL 22	1							
30	1	129400-92430	HONE	1							1
31	1	977770-1207F	GASKET, LIQUID	1							

(1)Optional parts.

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Parts No. Index

Parts No.	Fig. No.	Ref. No.
105312-59510	14	9
114250-39450	9	14
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
119005-35170	9	12
119131-18320	6	3
119233-77932	12	96
119254-77500	18	2
119254-77510	18	8
119254-77530	18	4
119254-77540	18	5
119254-77550	18	6
119254-77560	18	7
119254-77580	18	10
119254-77590	18	11
119254-77620	18	17
119254-77640	18	20
119254-77650	18	21
119254-77660	18	22
119254-77670	18	23
119254-77680	18	24
119254-77700	18	25
119254-77710	18	26
119254-77720	18	27
119254-77730	18	28
119593-59581	13	29
119609-32040	2	10
	17	25
119620-01750	3	3
119620-77380	16	4
119620-77421	16	8
119620-77440	16	13
119620-77461	16	15
119620-77471	16	16
119620-77480	16	20
119620-77490	16	29
119620-79200	16	9
119620-79210	16	10
119620-79220	16	11
119620-79230	16	12
119620-79250	16	6
119620-79260	16	18
119620-79280	16	21
119620-79290	16	22
119620-79300	16	23
119620-79310	16	24
119620-79320	16	25

Parts No.	Fig. No.	Ref. No.
119620-79330	16	26
119620-79340	16	27
119620-79350	16	28
119620-79360	16	7
		30
119624-77351	16	36
119625-11880	4	32
	17	6
119626-07900	4	56
119626-77570	18	15
119640-01640	3	9
119660-61901	12	59
119740-77250	16	32
119802-01561	2	6
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	55
	17	5
119802-25071	7	14
119802-25101	7	11
119802-25901	7	17
119802-35100	9	8
119802-35110	9	9
119802-39450	9	16
119802-49730	10	37
119802-51090	11	7
119802-51250	11	128
119802-51560	11	52
119802-51590	11	58
119802-51600	11	59
119802-51680	11	63
119802-51690	11	64
119802-59550	13	48
119803-01520	2	5
119803-21200	8	5
119803-25050	7	10
119803-53400	13	14
119803-77830	4	60
119807-61420	12	22
119831-42290	10	21
119831-44740	10	22
119865-21600	8	16
119934-01800	2	4
119934-59910	11	125
119940-07900	4	1

Parts No.	Fig. No.	Ref. No.
119940-77270	16	34
119940-77310	16	1
120130-11860	4	19
120270-54410	4	34
121023-01551	2	17
121111-21501	8	12
121250-44901	10	32
121267-44760	10	23
121400-11340	4	28
	17	11
121520-34810	9	2
121550-23200	8	30
121850-21680	8	11
121850-42410	10	8
121850-51960	2	11
	17	3
123501-79240	16	5
123900-13610	6	5
123900-13630	6	4
124060-01050	1	5
124060-77680	13	47
124101-49531	10	27
124160-01751	2	7
	4	39
124160-01910	1	7
		8
124160-11360	4	52
124160-39140	9	15
124240-01871	2	8
124395-49840	10	17
	17	16
124460-11340	4	29
	17	4
124465-44950	10	33
	17	18
124722-59050	10	38
		41
	13	27
		50
124766-59050	14	5
		8
129001-01250	1	6
129001-01340	1	33
	17	2
129001-02931	1	25
129001-12110	5	5
	17	23
129001-32001	9	21
129001-91841	2	12
129002-21590	8	13

Parts No.	Fig. No.	Ref. No.
129004-01190	1	31
129004-03010	4	41
129004-03080	5	1
129004-11241	4	3
129004-11251	4	4
129004-11310	4	49
	17	7
129004-11350	4	40
129004-11650	4	10
129004-11900	4	33
129004-12100	5	3
129004-21650	8	9
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