

YANMAR 굴삭기

ViO80

PARTS CATALOG



0CS10-M55800EN

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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.
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6. If you are using a booklet or PDF parts catalog, you must verify the latest information via the online parts catalog.

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P R E F A C E

1. This Parts Catalog carries Yanmar excavator (crawler back-hoe) VI080 for Korea.

2. Parts catalog history

		Parts catalog NO.	Published	Remarks
1st edition	Vehicle	OCS10-G55800	Jun. , 2010	
	Engine	OCB10-G76500		

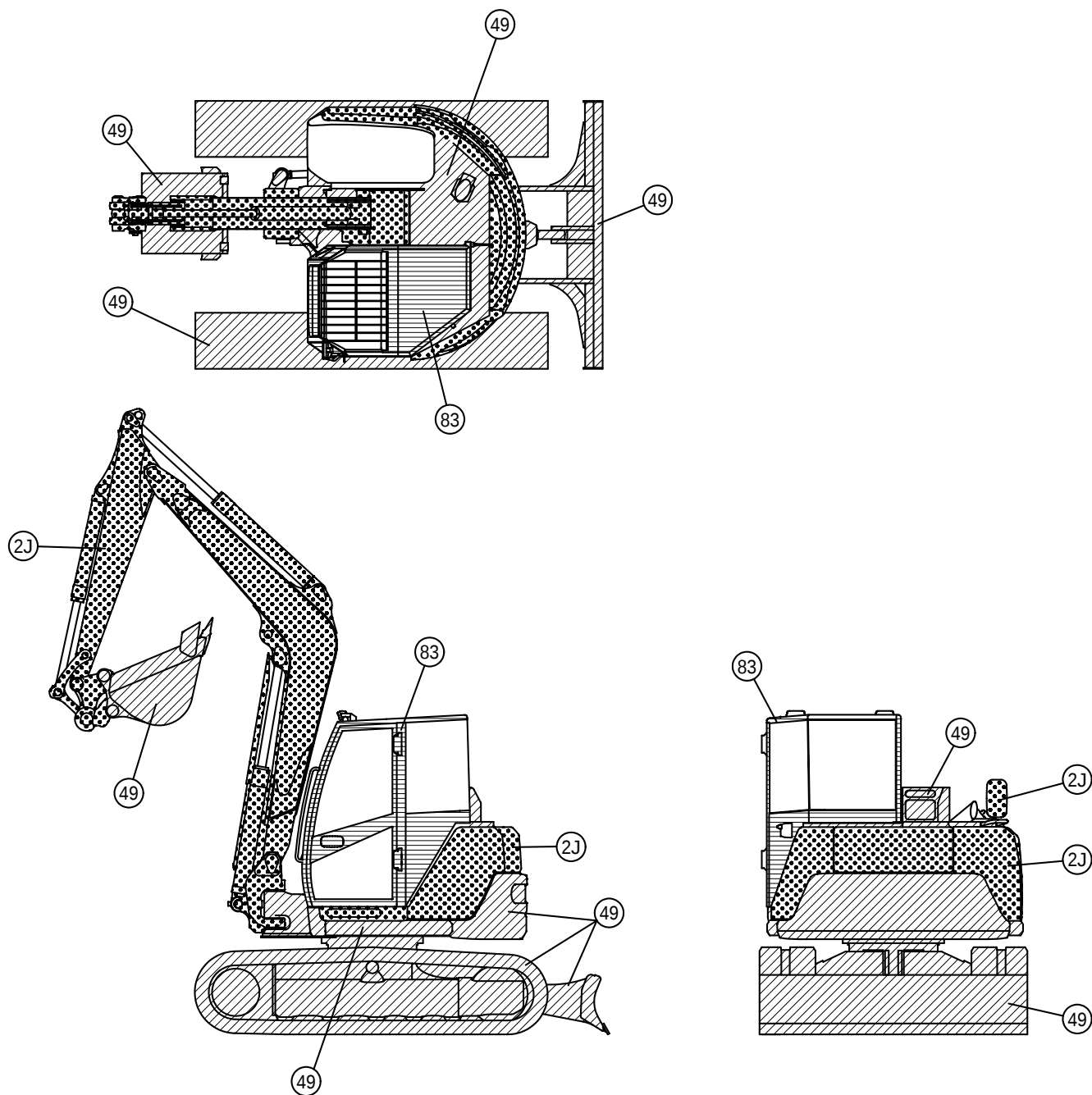
3. Model name

SECTION	Column	Model name	M/#	Manufactured
I (Vehicle)	(A)	VI080 (KR)		
II (Engine)	(A)	4TNV98-ZWBV1		

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.

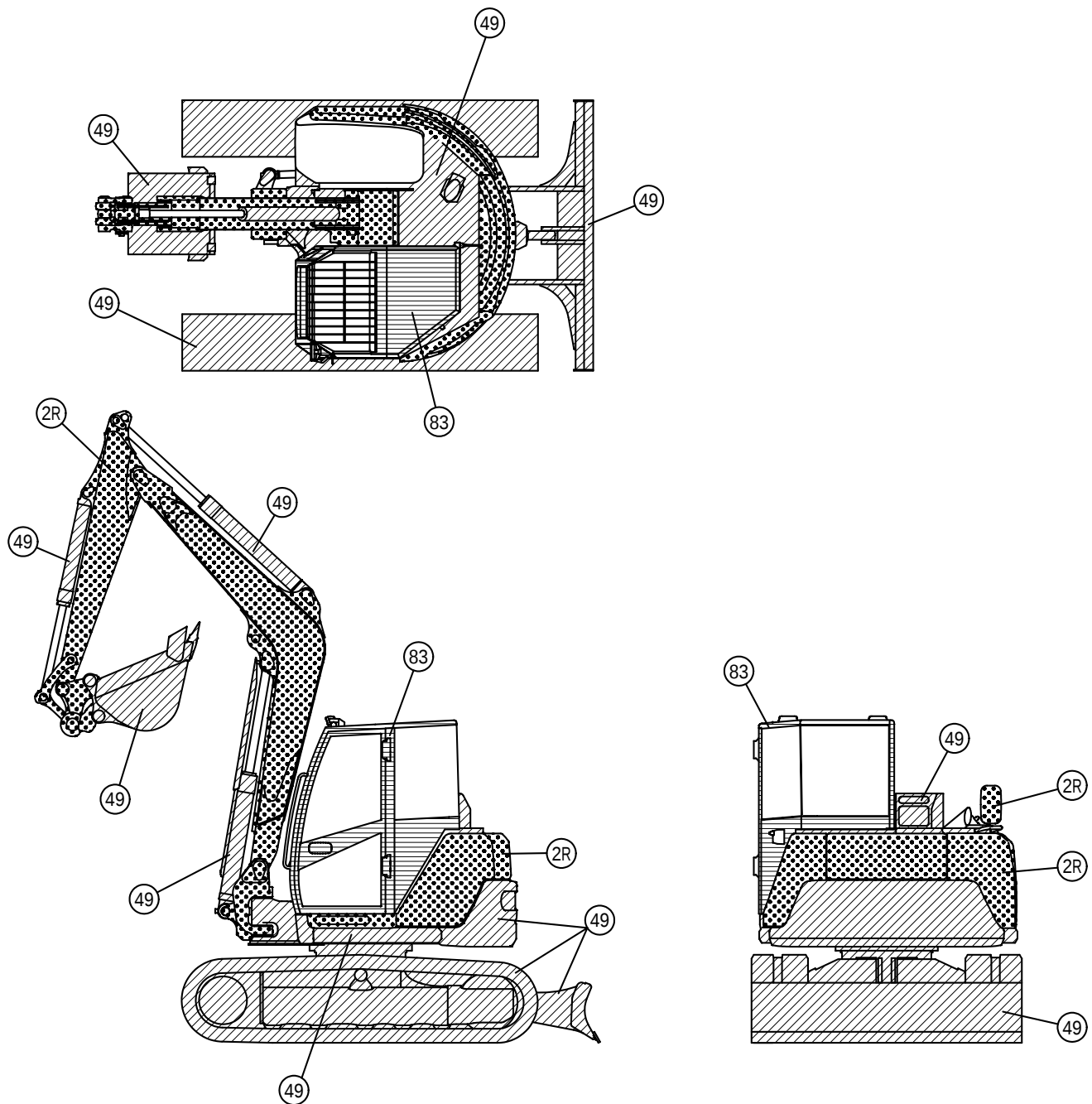
Be sure to use Yanmar Genuine Parts in your maintenance servicing of Yanmar products. Be careful not to use the simple parts available in the market, otherwise their use in repairing causes such as an early breakage, for instance.

VEHICLE PAINTED COLOR(TO M92000)



Color Code	Description	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
2J		YANMAR New Permanent Yellow 2	981101-09520	977620-40871	977620-30872
49		YANMAR Navy Gray	-----	TOR-91390000	TOR-94800490
83		YANMAR Grayish Green	981101-09615	977620-40830	977620-30N41

VEHICLE PAINTED COLOR(FROM M92001)



Color Code	Description	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
2R		YANMAR Turmeric Yellow	-----	977620-41001	977620-41002
49		YANMAR Navy Gray	-----	TOR-91390000	TOR-94800490
83		YANMAR Grayish Green	981101-09615	977620-40830	977620-30N41

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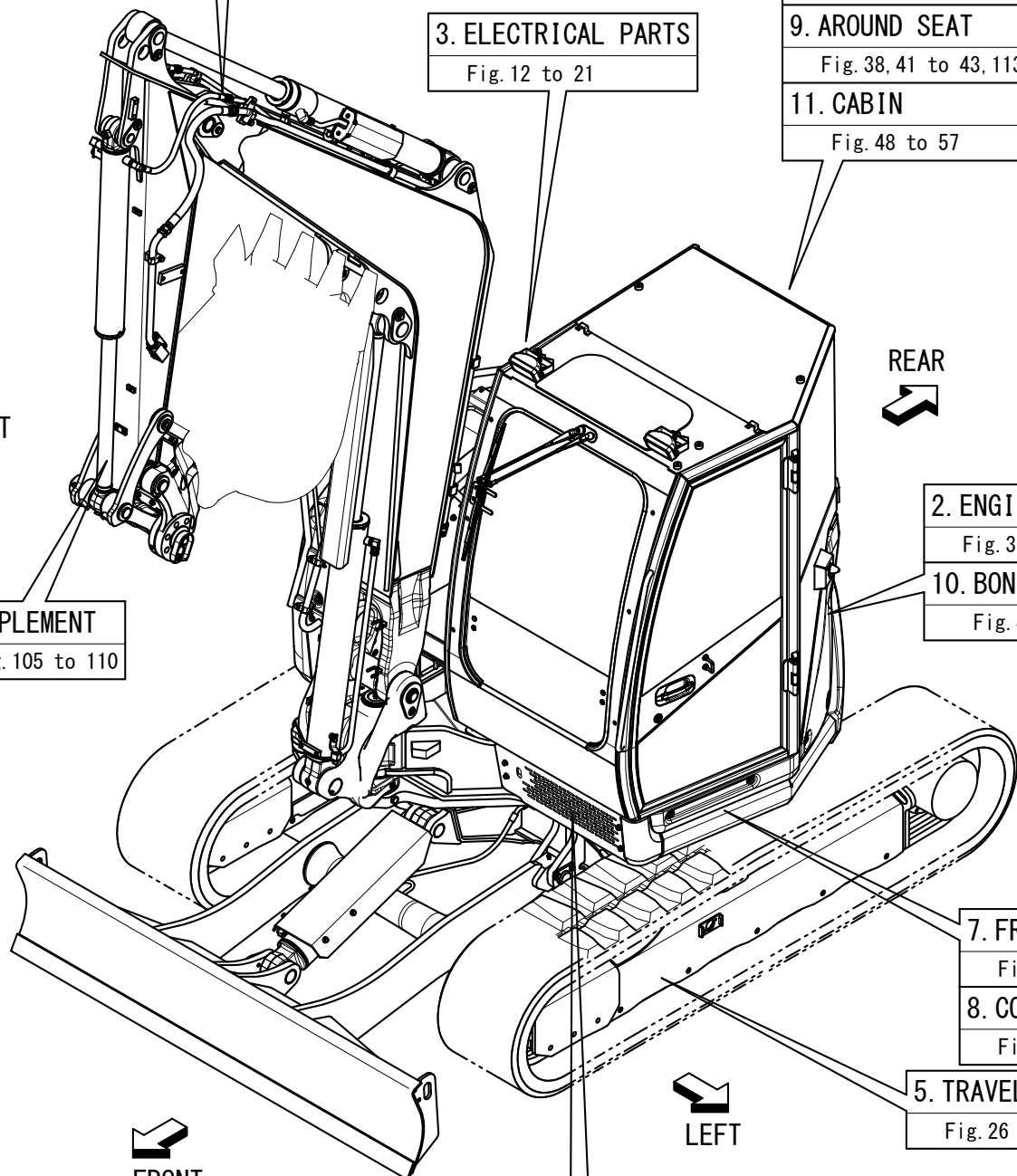
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FRONT

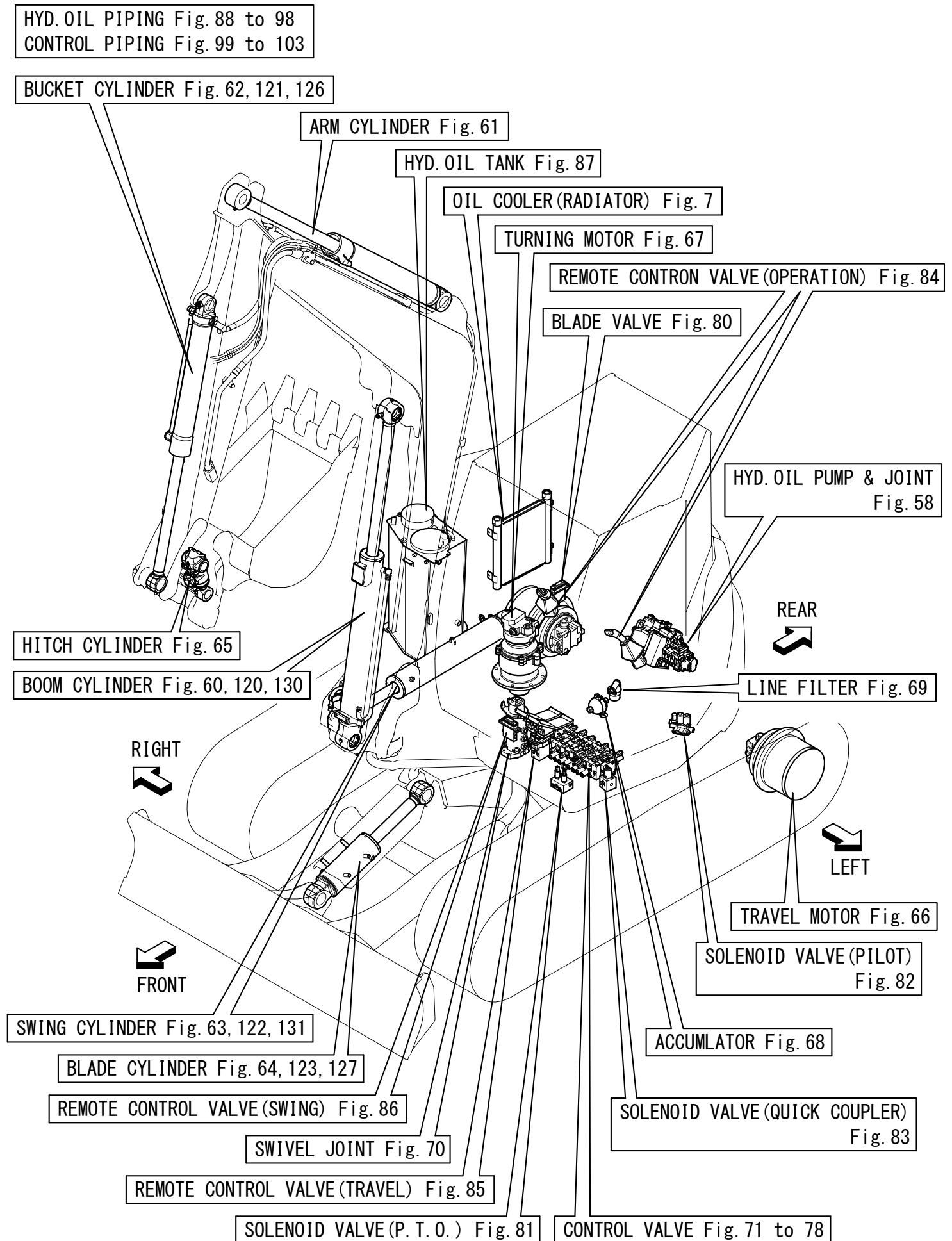
LEFT

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Fig. No. Fig. Name

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Fig. No. Fig. Name

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Fig. No. Fig. Name

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- 90. HYD.OIL PIPING(CONTROL VALVE - TURNING MOTOR)
- 91. HYD.OIL PIPING(CONTROL VALVE : FITTING)
- 92. HYD.OIL PIPING(CONTROL VALVE - BOOM, TURNING MOTOR, TANK)
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- 95. HYD.OIL PIPING(BOOM)
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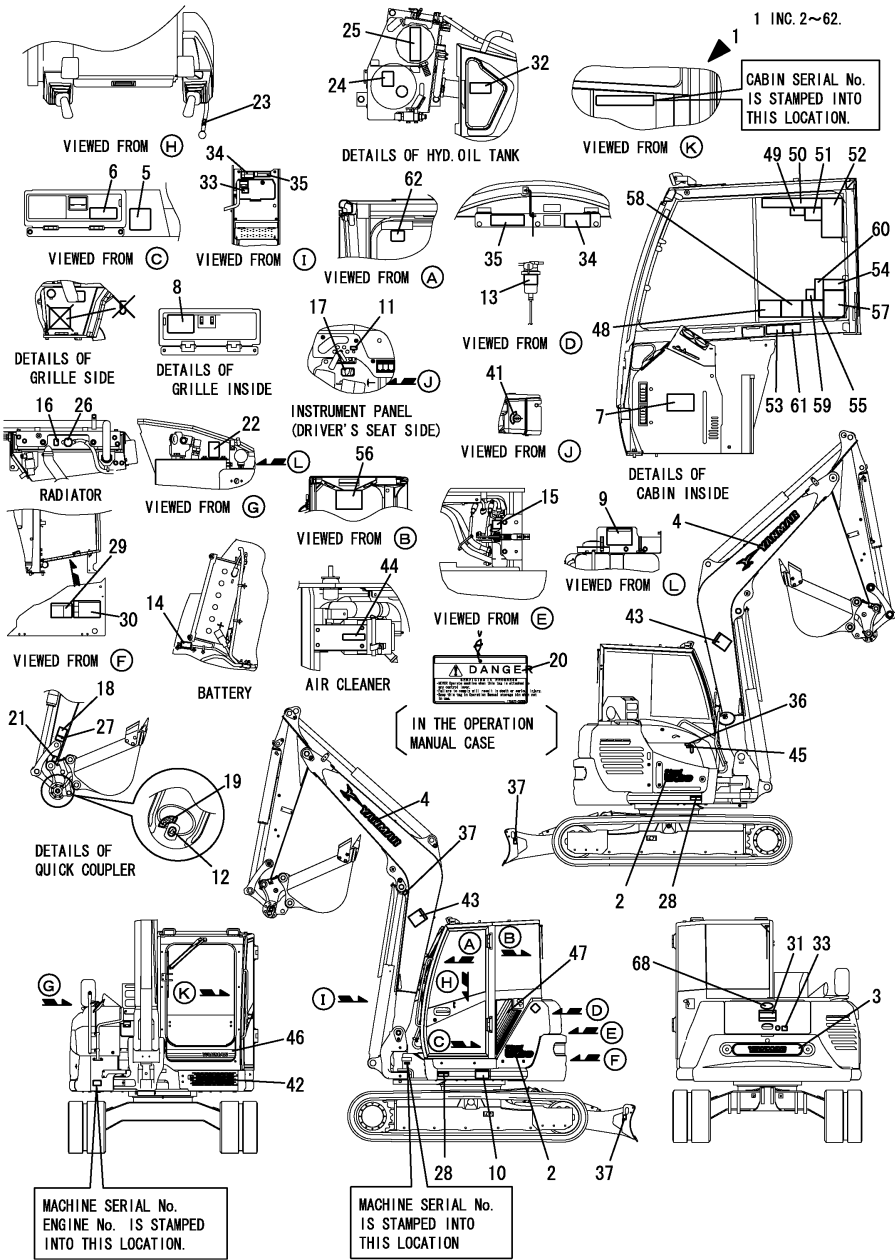
Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
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- 115. HOLD VALVE(BOOM)(OPTIONAL)
- 116. HOLD VALVE(ARM)(OPTIONAL)
- 117. HYD.OIL PIPING(HOLD VALVE)(OPTIONAL)

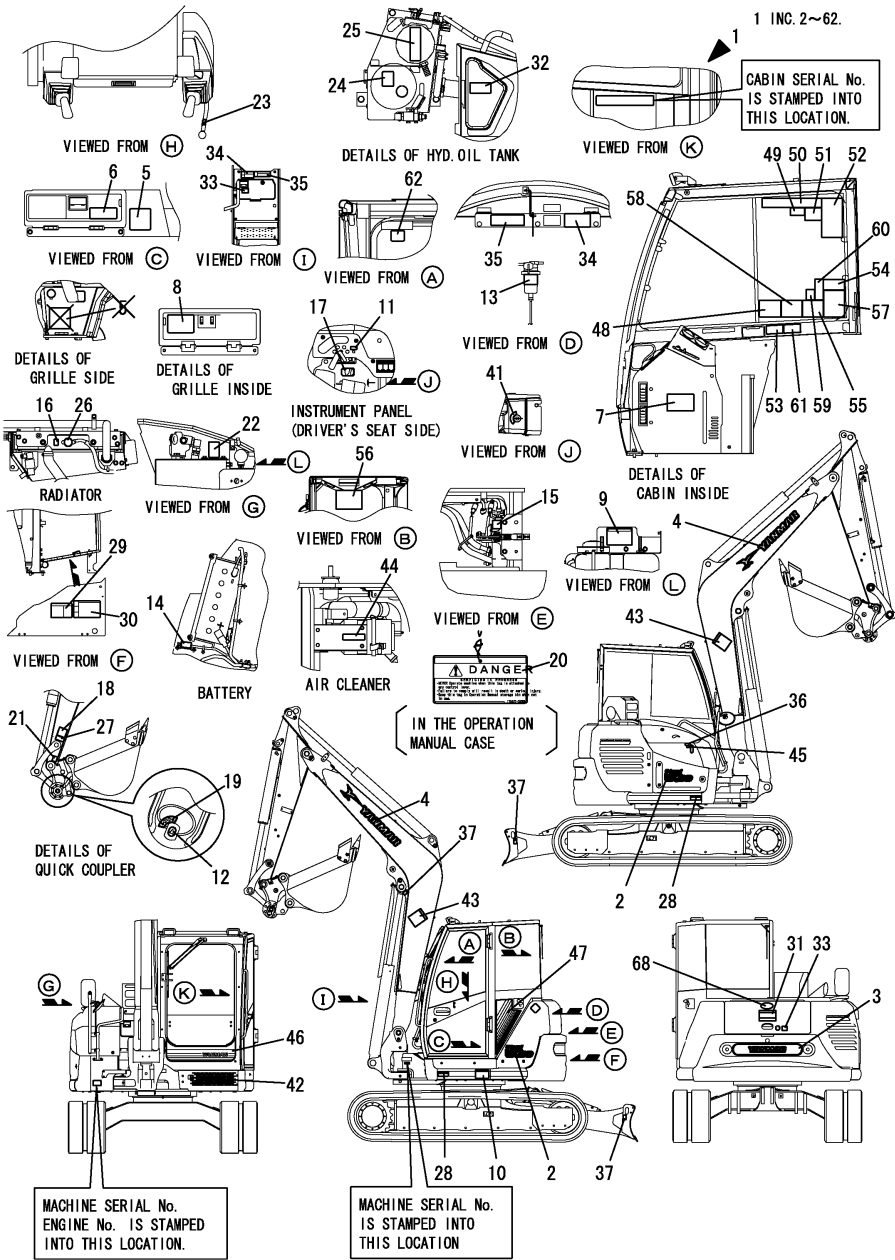
Fig.1. LABEL



Remarks
(1)RUBBER CRAWLER SPEC.
Installation position change.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-03010	LABEL KIT,EX	1							
1-1	1	172A89-03011	LABEL KIT,EX	1							S
(A=M92001)											
2	2	172A89-03140	LABEL,TYPE	2							
3	2	172A69-03160	LABEL, REAR EMBLEM	1							
4	2	172A21-03220	LABEL, BRAND	2							
4-1	2	172A65-03230	LABEL,YANMAR 627	2							S
(A=M92001)											
5	2	172463-03281	LABEL,ADJUST CRAWLER	1							1
6	2	172A89-03100	LABEL,SPEC US	1							
7	2	172A89-03110	LAVEL,OIL & WATER US	1							
8	2	172A89-03120	LABEL,FUSE US	1							
9	2	172A69-03130	LABEL,GREASING US	1							
10	2	172472-03141	LABEL, SUPPORT	1							
11	2	172A65-03150	LABEL,WARNING	1							
12	2	172958-03160	LABEL	1							
13	2	172A07-03160	LABEL	1							
14	2	172A69-03170	LABAEL FL,US	1							
15	2	172A38-03201	LABEL, SUB TANK	1							
16	2	172A38-03211	LABEL, ANTI-FREEZING	1							
17	2	172A69-03220	LABEL,ACCELERATOR	1							
18	2	172472-03230	LABEL, OPERATION	1							
19	2	172458-03240	LABEL, LOCK	1							
20	2	172437-03252	TAG ASSY, CAUTION	1							
21	2	172472-03261	LABEL, FINGER	1							
22	2	172A69-03270	LABEL,PTO SELECT	1							
23	2	172183-03280	LABEL, LOCK	1							
24	2	172463-03290	LABEL, HYD.OIL	1							
25	2	172437-03322	LABEL, RESEVOIR	1							
26	2	172462-03320	LABEL, RADIATOR	1							
27	2	172472-03330	LABEL, LOCK PIN	1							
28	2	172437-03352	LABEL, CYLINDER	2							
29	2	172A69-03350	LABEL,BATTERY COVER	1							
30	2	172437-03361	LABEL, BATTERY	1							
31	2	172437-03381	LABEL, SWING AREA	1							
32	2	172437-03391	LABEL, RADIATOR	1							
33	2	172437-03402	LABEL, ENGINE COVER	2							
34	2	172A36-03411	LABEL, ENGINE ROOM	2							
35	2	172437-03422	LABEL, MUFFLER	2							
36	2	172437-03501	LABEL, FUEL	1							
37	2	172437-03511	LABEL, HOOK	3							
41	2	172A64-03700	LABEL, START SWITCH	1							
42	2	172156-03740	LABEL, GREASE	1							
43	2	172187-03941	LABEL, BOOM US	2							
44	2	172125-03951	LABEL, AIR CLEANER	1							
45	2	114110-07760	LABEL, FUEL CAUTION	1							
46	2	172A69-03300	LABEL, CABIN FRONT	1							
47	2	172A69-03310	LABEL, CABIN SIDE	1							
48	2	172A69-03200	LABEL,OPERATION	1							
49	2	172472-03241	LABEL, PINUS	1							
50	2	172472-03250	LABEL, OPERATION	1							

Fig.1. LABEL



(A)=VIO80(KR)
(B)=
(C)=

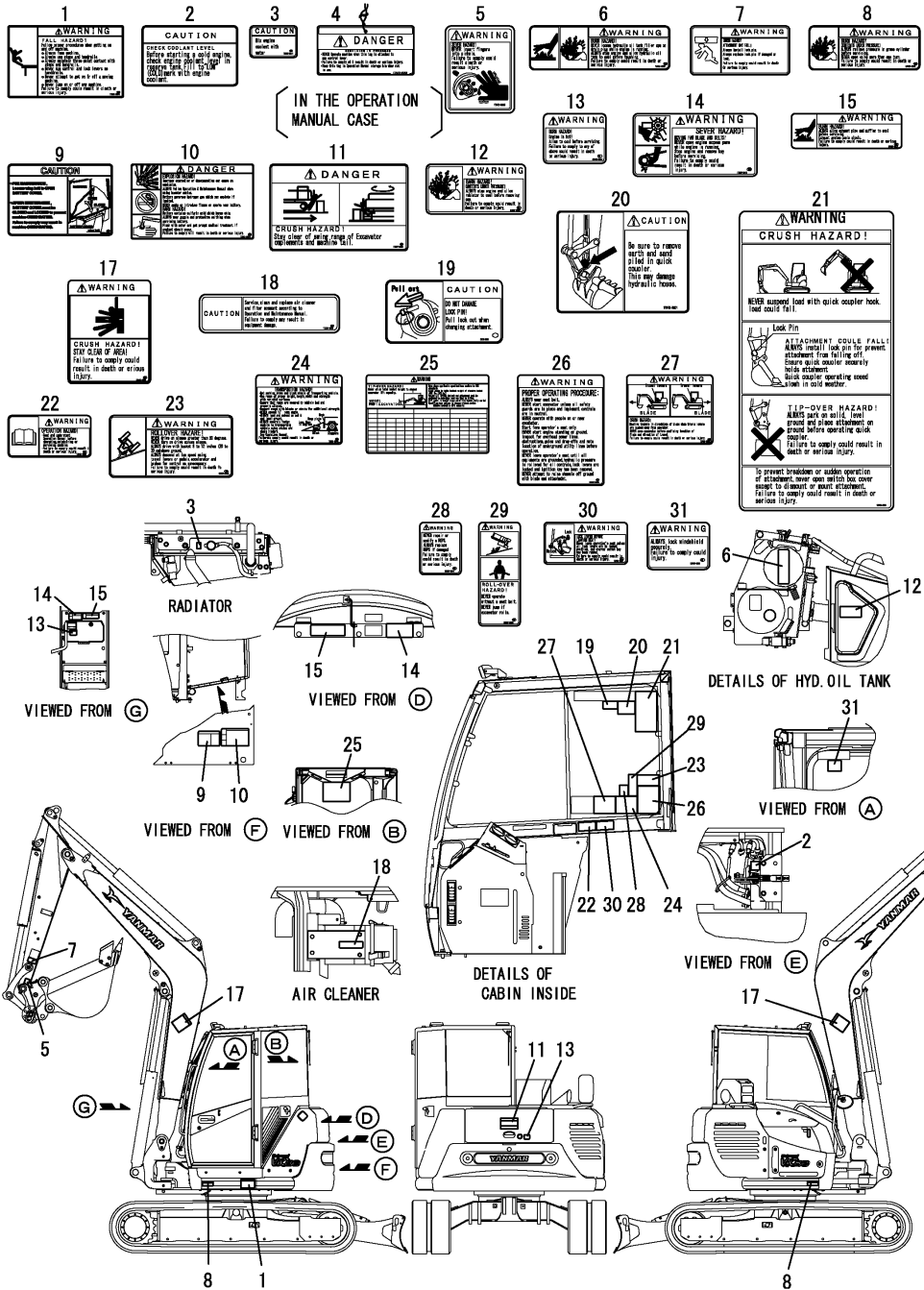
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
51	2	172472-03271	LABEL, SANDUS	1							
52	2	172472-03281	LABEL, WARNING HITCH	1							
53	2	172437-03302	LABEL, MANUAL	1							
54	2	172437-03312	LABEL, SLOPE	1							
55	2	172437-03343	LABEL, TRANSPORT	1							
56	2	172A89-03360	LABEL, LIFT Q	1							
57	2	172437-03372	LABEL, NEUTRAL	1							
58	2	172437-03432	LABEL, STEERING	1							
59	2	172437-03441	LABEL, ROPS	1							
60	2	172437-03451	LABEL, SEAT BELT	1							
61	2	172437-03471	LABEL, LEVER LOCK	1							
62	2	172437-03551	LABEL, WINDOW US	1							
68	1	172A89-03500	EMBLEM ASSY	1							W
(A=M92001)											

Remarks
(1) RUBBER CRAWLER SPEC.
Installation position change.

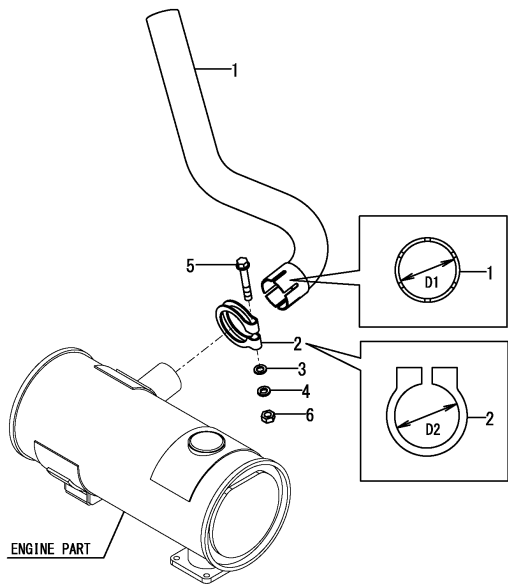
(A)=VIO80(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-03141	LABEL, SUPPORT US	1							
2	1	172A38-03201	LABEL, SUB-TANK US	1							
3	1	172A38-03211	LABEL,ANTI-FREEZING	1							
4	1	172437-03252	TAG ASSY, CAUTION	1							
5	1	172472-03261	LABEL, FINGER US	1							
6	1	172437-03322	LABEL, HYD.OIL TANK	1							
7	1	172472-03330	LABEL,,LOCK PIN(US	1							
8	1	172437-03352	LABEL, GREASE CYL.	2							
9	1	172A69-03350	LABEL,BATTERY COVER	1							
10	1	172437-03361	LABEL, BATTERY US	1							
11	1	172437-03381	LABEL,SWING AREA US	1							
12	1	172437-03391	LABEL, RADIATOR US	1							
13	1	172437-03402	LABEL, ENG,COVER US	2							
14	1	172A36-03411	LABEL, ENG ROOM	2							
15	1	172437-03422	LABEL, MUFFLER US	2							
17	1	172187-03941	LABEL, BOOM US	2							
18	1	172125-03951	LABEL, AIR CLEANER	1							
19	1	172472-03241	LABEL, PIN US	1							
20	1	172472-03271	LABEL, SAND US	1							
21	1	172472-03281	LABEL, WARNING HITCH	1							
22	1	172437-03302	LABEL, MANUAL US	1							
23	1	172437-03312	LABEL,SLOPE US	1							
24	1	172437-03343	LABEL, TRANSPORT US	1							
25	1	172A89-03360	LABEL,,LIFT Q	1							
26	1	172437-03372	LABEL, NEUTRAL US	1							
27	1	172437-03432	LABEL, STEERING US	1							
28	1	172437-03441	LABEL, ROPS US	1							
29	1	172437-03451	LABEL, SEAT BELT US	1							
30	1	172437-03471	LABEL, LEVER LOCK US	1							
31	1	172437-03551	LABEL, WINDOW US	1							

Fig.3. MUFFLER



No.	Lev.	Parts No.	Description	(A)=VIO80(KR)		(D)=		(F)=	I	R
				(B)=	(C)=	(E)=	Q'ty			
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	172A89-11300	PIPE ASSY, EXHAUST	1						
1-1	1	172A89-11301	PIPE CMP,EXHAUST	1						S 1
		(A=*2016.02.)								
2	1	172187-11400	CLAMP	1						
2-1	1	172A21-11310	CLAMP, EXHAUST PIPE	1						S 2
		(A=*2016.02.)								
3	1	22117-100000	WASHER, 10	1						
4	1	22217-100000	WASHER, SPRING 10	1						
5	1	26106-100652	BOLT, M10X 65 PLATED	1						
6	1	26706-100002	NUT, M10	1						

Remarks

(1)D1=No.1 : 49.0mm, No.1-1 : 43.6mm.

Interchangeable by simultaneous replacement with silrncr & No.2-1.

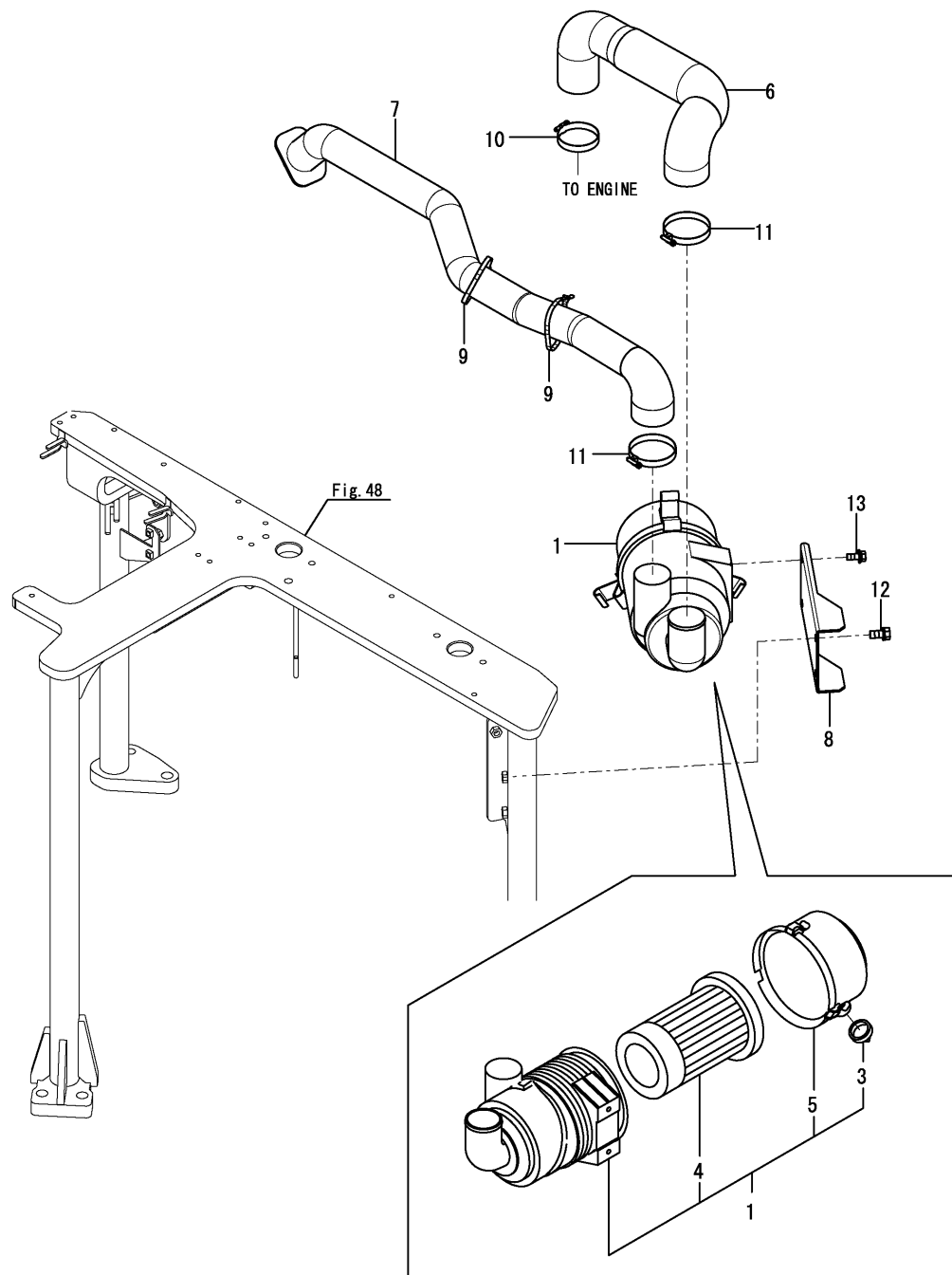
(2)D2=No.2 : 54.7mm, No.2-1 : 48.2mm.

Interchangeable by simultaneous replacement with silrncr & No.1-1.

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

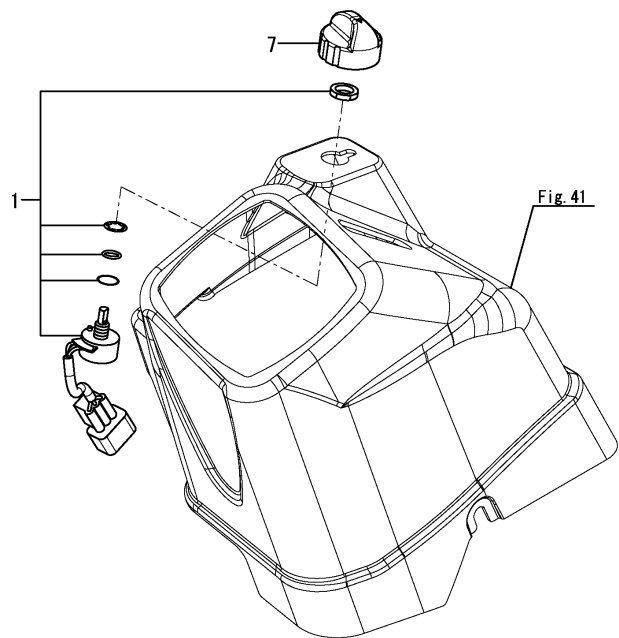
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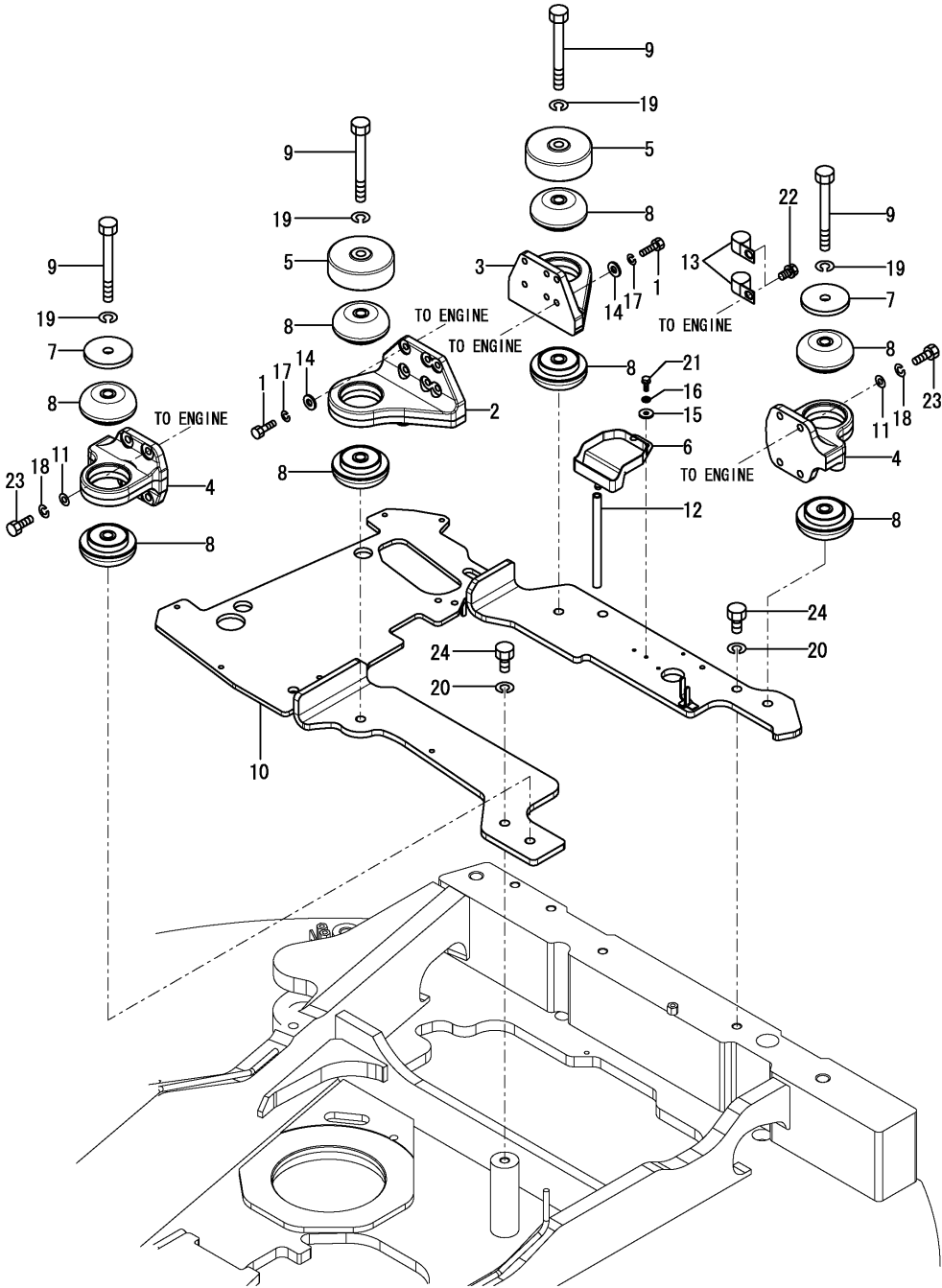
Fig.4. AIR CLEANER



No.	Lev.	Parts No.	Description	(A)=VIO80(KR)		(D)=		I	R
				(B)=	(C)=	(E)=	(F)=		
				Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172455-11500	CLEANER ASSY, AIR	1					
3	2	119808-12540	VALVE, UNLOADER	1					
4	2	129062-12560	ELEMENT	1					
5	2	129062-12570	COVER ASSY	1					
6	1	172A89-11540	HOSE, AIR INTAK	1					
7	1	172A89-11510	HOSE B ASSY	1					
8	1	172A69-11530	BRACKET, CLEANER	1					
9	1	172122-79890	CLAMP, HOSE	2					
10	1	23000-070000	CLAMP, 70	1					
11	1	23000-080000	CLAMP, 80	2					
12	1	26013-100202	BOLT, M10X 20	2					
13	1	26014-080202	BOLT, M8X 20	2					

Fig.5. ACCELERATOR

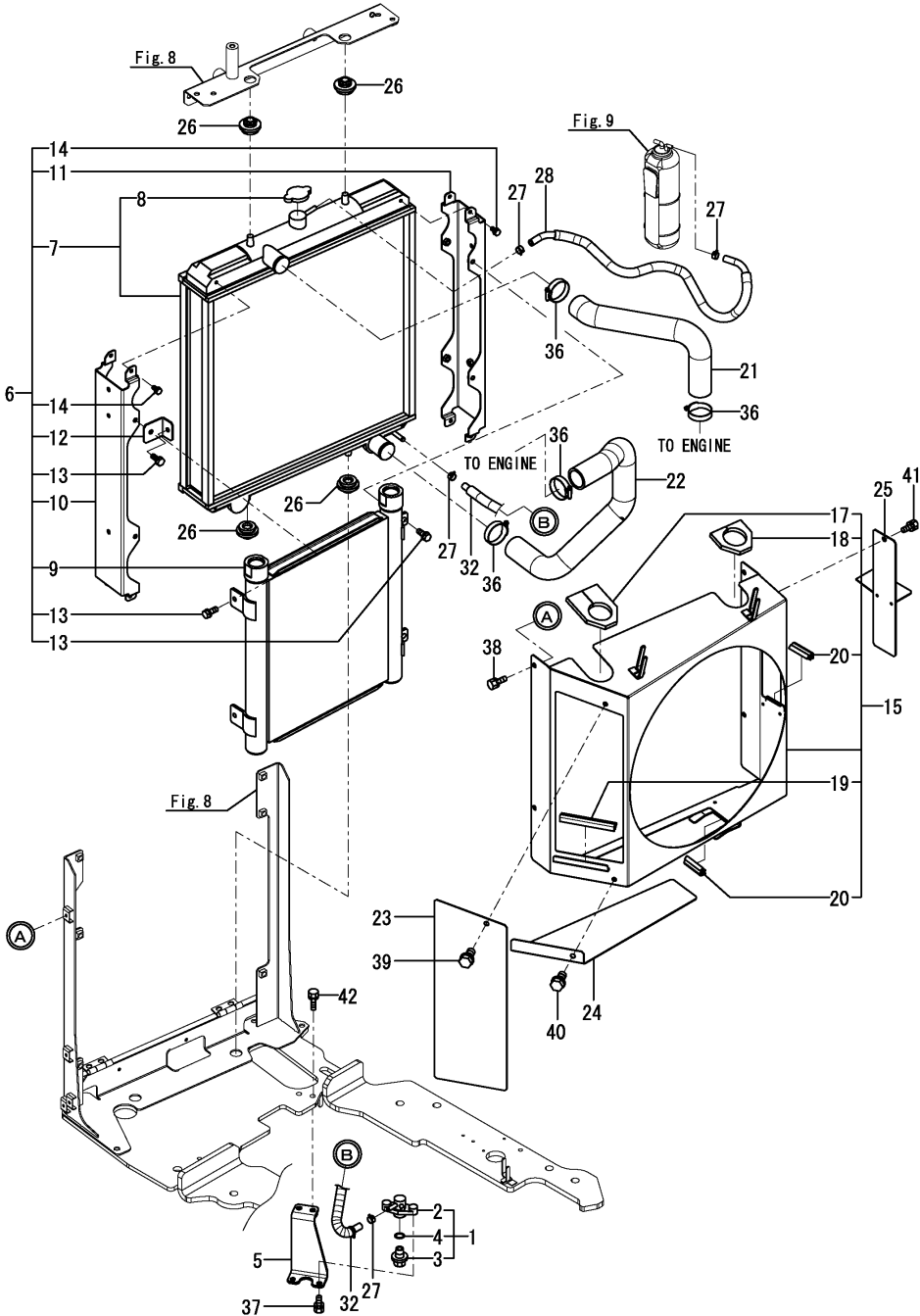
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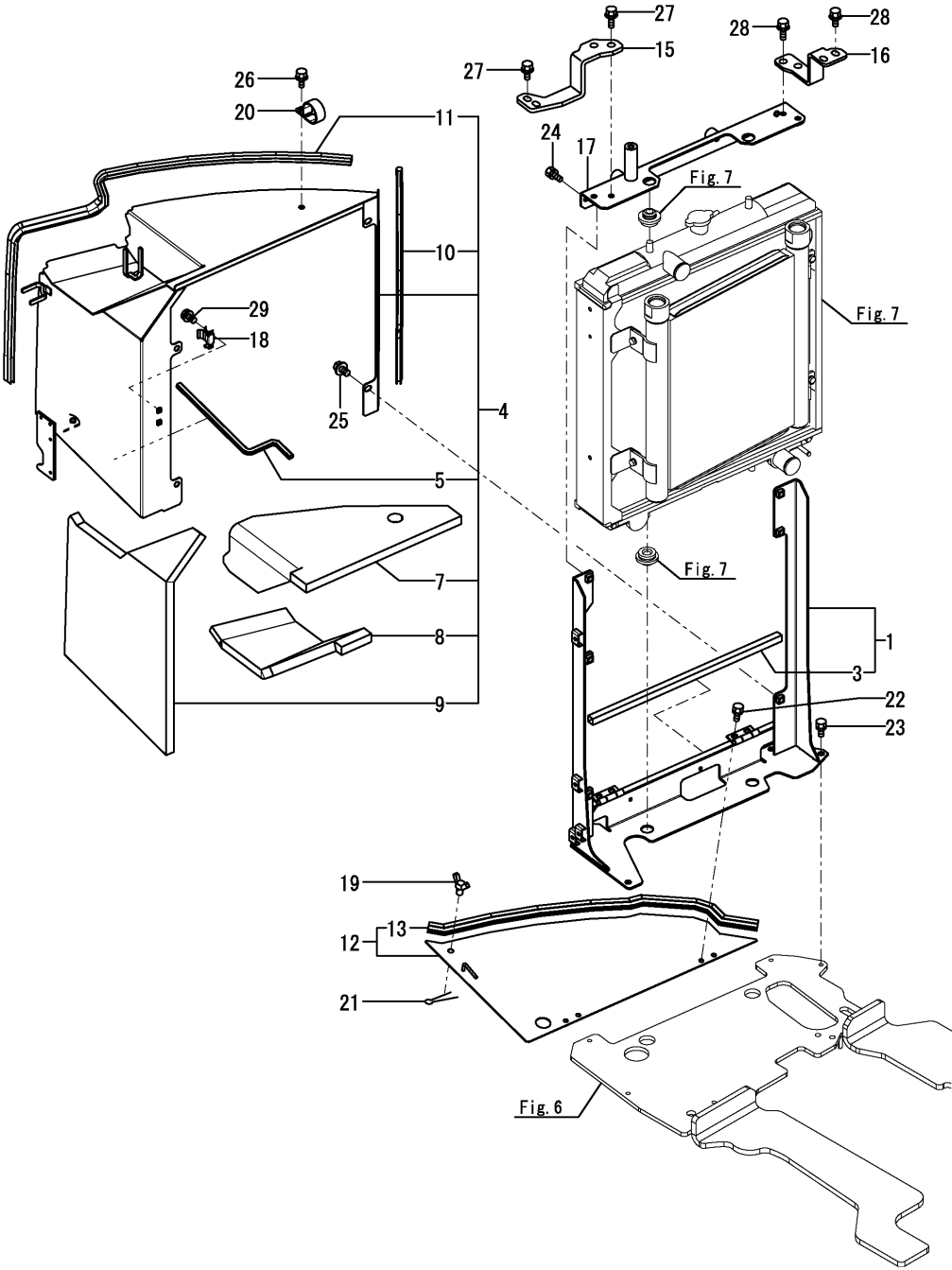
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A21-13100	BOLT 10X35,11T	12							
2	1	172A69-13100	BRACKET RR	1							
3	1	172A69-13110	BRACKET RL	1							
4	1	172A69-13120	BRACKET F	2							
5	1	172A69-13150	STOPPER	2							
6	1	172A89-13150	SUMP, OIL	1							
7	1	172162-13170	WASHER	2							
8	1	172162-13180	MOUNT,ENGINE	8							
9	1	172162-13190	BOLT M16X150	4							
10	1	172A89-13200	PLATE ASSY,BASE	1							
11	1	172165-13220	WASHER	8							
12	1	172137-14282	HOSE, FUEL GAUGE	1							
13	1	172112-16650	CLAMP	2							
14	1	172137-46042	SEAT, SPRING	12							
15	1	22117-060000	WASHER, 6	2							
16	1	22157-060000	WASHER, 6	2							
17	1	22217-100000	WASHER, SPRING 10	12							
18	1	22217-120000	WASHER, SPRING 12	8							
19	1	22217-160000	WASHER, SPRING 16	4							
20	1	22217-160000	WASHER, SPRING 16	4							
21	1	26013-060162	BOLT, M6X 16	2							
22	1	26013-100162	BOLT, M10X 16	2							
23	1	26076-120352	BOLT, 10.912X 35	8							
24	1	26116-160352	BOLT, M16X 35 PLATED	4							

(A)=VIO80(KR)
(B)=
(C)=

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

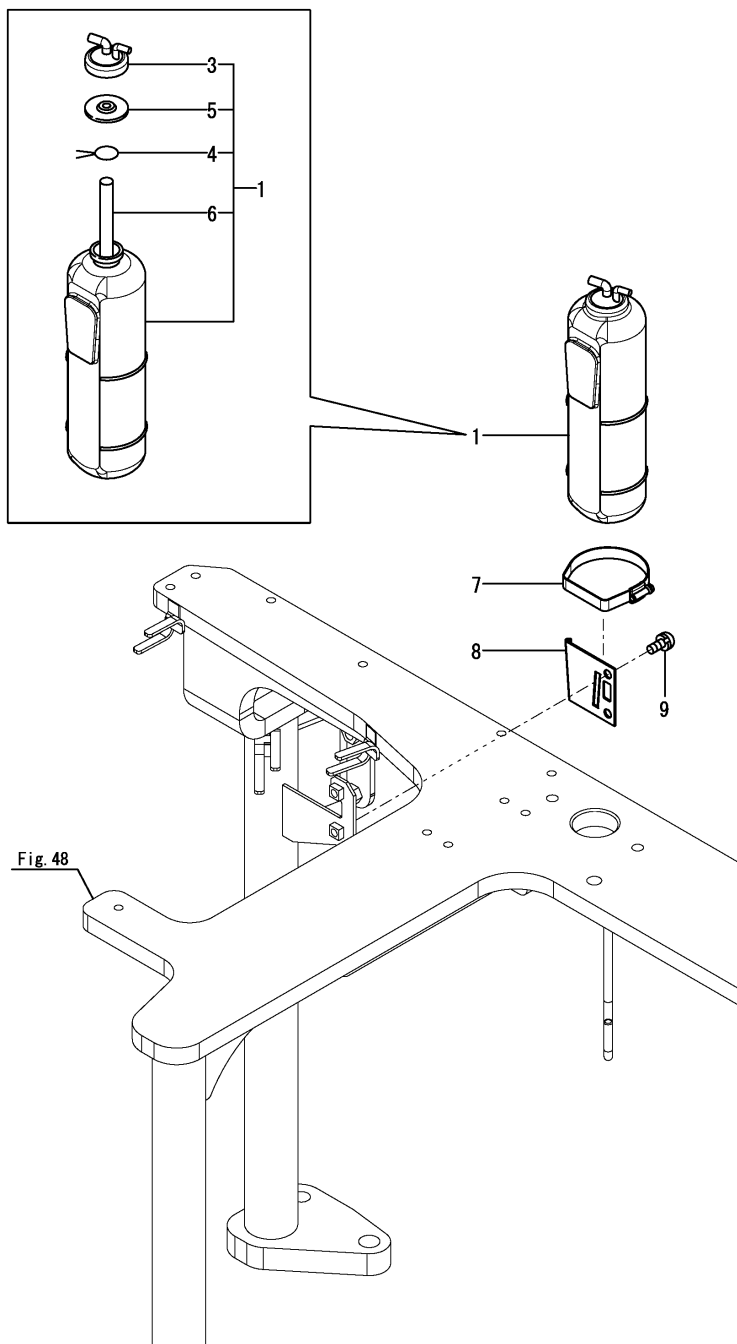


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-13210	COCK ASSY, 2-WAY	1							
2	2	172444-13220	BODY	1							
3	2	121250-49121	PLUG, DRAIN	1							
4	2	24311-000160	O-RING, 1AP16.0	1							
5	1	172A69-13230	PLATE ASSY, COCK	1							
6	1	172A89-13300	RADIATOR ASSY	1							
7	2	172A89-13310	RADIATOR SUB ASSY	1							
8	3	129107-44590	CAP, RADIATOR	1							
9	2	172A89-13320	COOLER, OIL	1							
10	2	172A89-13330	SUPPORT ASSY	1							
11	2	172A89-13340	SUPPORT ASSY	1							
12	2	172A89-13350	BRACKET	2							
13	2	172A89-13360	BOLT M8	6							
14	2	172A89-13370	BOLT M6	8							
15	1	172A89-13500	SHROUD ASSY	1							
17	2	172A89-13550	SPONGE	1							
18	2	172A89-13560	SPONGE	1							
19	2	172458-61500	RUBBER, SEAL	1							
20	2	172458-61510	RUBBER, SEAL	2							
21	1	172A89-13570	PIPE, WATER	1							
22	1	172A89-13580	PIPE, WATER	1							
23	1	172A89-13800	COVER, SHROUD	1							
24	1	172A89-13810	COVER, SHROUD	1							
25	1	172A89-13820	COVER ASSY, SHROUD	1							
26	1	184015-44680	ABSORBER, SHOCK	4							
27	1	124766-59050	CLIP, HOSE 12	4							
28	1	184015-59130	HOSE	1							
32	1	184014-59450	PIPE ASSY, FUEL	1							
36	1	23001-048000	CLAMP, HOSE 48	4							
37	1	26013-080162	BOLT, M8X 16	2							
38	1	26013-080162	BOLT, M8X 16	4							
39	1	26013-080162	BOLT, M8X 16	1							
40	1	26013-080162	BOLT, M8X 16	1							
41	1	26013-080162	BOLT, M8X 16	1							
41-1	1	26014-080162	BOLT, M8X 16	1							N
(A=MXXXXX)											
42	1	26013-100302	BOLT, M10X 30	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-13400	BRACKET ASSY,RAD	1							
3	2	172499-13750	SEAL, DUCT	1							
4	1	172A89-13600	DUCT ASSY, RADIATOR	1							
5	2	172638-06720	CUSHION, RUBBER	1							
7	2	172A89-13680	SPONGE	1							
8	2	172A89-13690	SPONGE	1							
9	2	172A89-13700	SPONGE	1							
10	2	172A89-13730	SEAL, 510	1							
11	2	172A69-61650	SEAL	1							
12	1	172A89-13750	COVER ASSY, DUCT	1							
13	2	172A69-13670	SEAL	1							
15	1	172A89-13830	STAY	1							
16	1	172A89-13840	STAY	1							
17	1	172A89-13860	BRACKET ASSY,RAD U	1							
18	1	198220-61480	HOLDER, ROD	1							
19	1	172142-62301	BOLT, WING	1							
20	1	172146-78150	PLATE, CLAMP	1							
21	1	22417-320200	PIN, COTTER 3.2X20	1							
22	1	26013-080162	BOLT, M8X 16	4							
22-1	1	26014-080162	BOLT, M8X 16	4							N
(A=MXXXXX)											
23	1	26013-100202	BOLT, M10X 20	4							
24	1	26013-100202	BOLT, M10X 20	2							
25	1	26014-100202	BOLT, M10X 20	4							
26	1	26014-100202	BOLT, M10X 20	1							
27	1	26014-100252	BOLT, M10X 25	4							
28	1	26014-100252	BOLT, M10X 25	4							
29	1	26023-050102	SCREW, M5X10	2							

Fig.9. SUB-TANK



				(A)=VIO80(KR)							(D)=	
				(B)=							(E)=	
				(C)=							(F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)	I	R
1	1	171064-44510	TANK ASSY, SUB	1								
3	2	121450-44531	CAP	1								
4	2	124450-44560	RETAINER	1								
5	2	121470-44581	GASKET	1								
6	2	23065-070225	HOSE 7X 225	1								
7	1	124450-44550	BAND	1								
8	1	121256-44600-3	BRACKET, SUB-TANK	1								
9	1	26022-080162	SCREW, M8X16	2								

Fig.10. FUEL TANK

(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A69-14100	TANK ASSY, FUEL	1							
2	2	172137-13400	PIPE, DRAIN A	1							
2-1	2	172B11-14600	HOSE, FO 210	1							N
(A=*2020.04)											
3	2	172A69-14110	TANK ASSY, FUEL	1							
4	3	198200-04031	CAP ASSY, FUEL	1							
5	4	198200-04040	GASKET, FUEL CAP	1							
9	3	172A69-14130	NET ASSY, FUEL	1							
12	3	172447-14160	FLOAT, 7	1							
13	3	172458-14203	HOSE, FUEL GAUGE	1							
14	3	172A69-14211	LOCK ASSY, DRAIN	1							
15	3	172A69-14240	PLATE, R1/2	2							
16	3	23000-013000	CLAMP, 13	2							
17	3	23876-040000	PLUG, R04	2							
18	3	24311-000320	O-RING, 1AP32.0	1							
18-1	3	172A69-14550	PACKING	1							N
(A=*2016.01.)											
19	3	24311-000320	O-RING, 1AP32.0	2							
20	3	26013-080202	BOLT, M8X 20	4							
21	3	26013-080302	BOLT, M8X 30	4							
22	2	172186-14150	HOSE, FUEL GAUGE	1							
23	2	172A69-14170	SUMP, FUEL	1							
24	2	172162-14200	GASKET	1							
25	2	172A78-14220	GAUGE, FUEL	1							
26	2	172A69-14230	VALVE, FUEL DRAIN	1							
27	2	172444-14270	JOINT, DRAIN	1							
28	2	172187-14510	HOSE, 9.5X1050	1							
29	2	106990-44660	CLAMP, HOSE 12.5	1							
30	2	124766-59050	CLAMP, HOSE 11.5	2							
30-1	2	106990-44660	CLAMP, HOSE 12.5	2							N
(A=*2020.04)											
31	2	23080-013000	CLAMP, 13	1							
32	2	26013-080162	BOLT, M8X 16	1							
33	2	26022-050122	SCREW, M5X12	5							
34	1	194145-04810	WASHER, 10	2							
35	1	172A69-14310	BRACKET ASSY, F	1							
37	2	172A69-14350	PLATE, RUBBER A	1							
38	1	172A69-14370	PLATE, RUBBER D	2							
39	1	172A89-14380	SPONGE, RUBBER	2							
40	1	172A69-14410	BRACKET ASSY, UP	1							
42	2	172A69-14430	PLATE, RUBBER B	1							
43	1	172A69-14450	BRACKET ASSY, L	1							
44	2	172A69-14350	PLATE, RUBBER A	1							
46	1	26013-100302	BOLT, M10X 30	2							
47	1	26013-100302	BOLT, M10X 30	2							
48	1	26013-100302	BOLT, M10X 30	2							
49	1	26014-100202	BOLT, M10X 20	2							
50	1	26367-100002	NUT, M10	2							

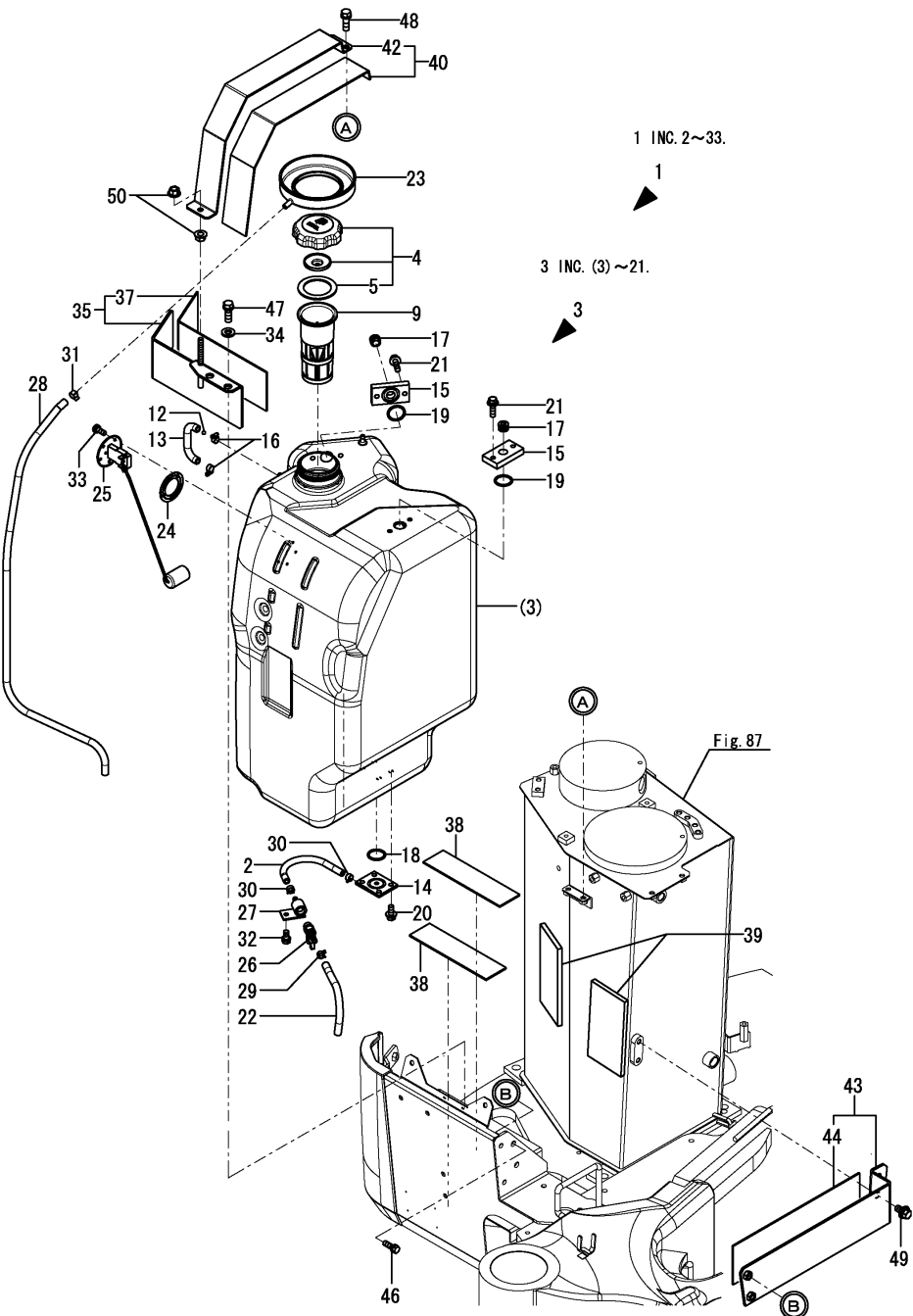
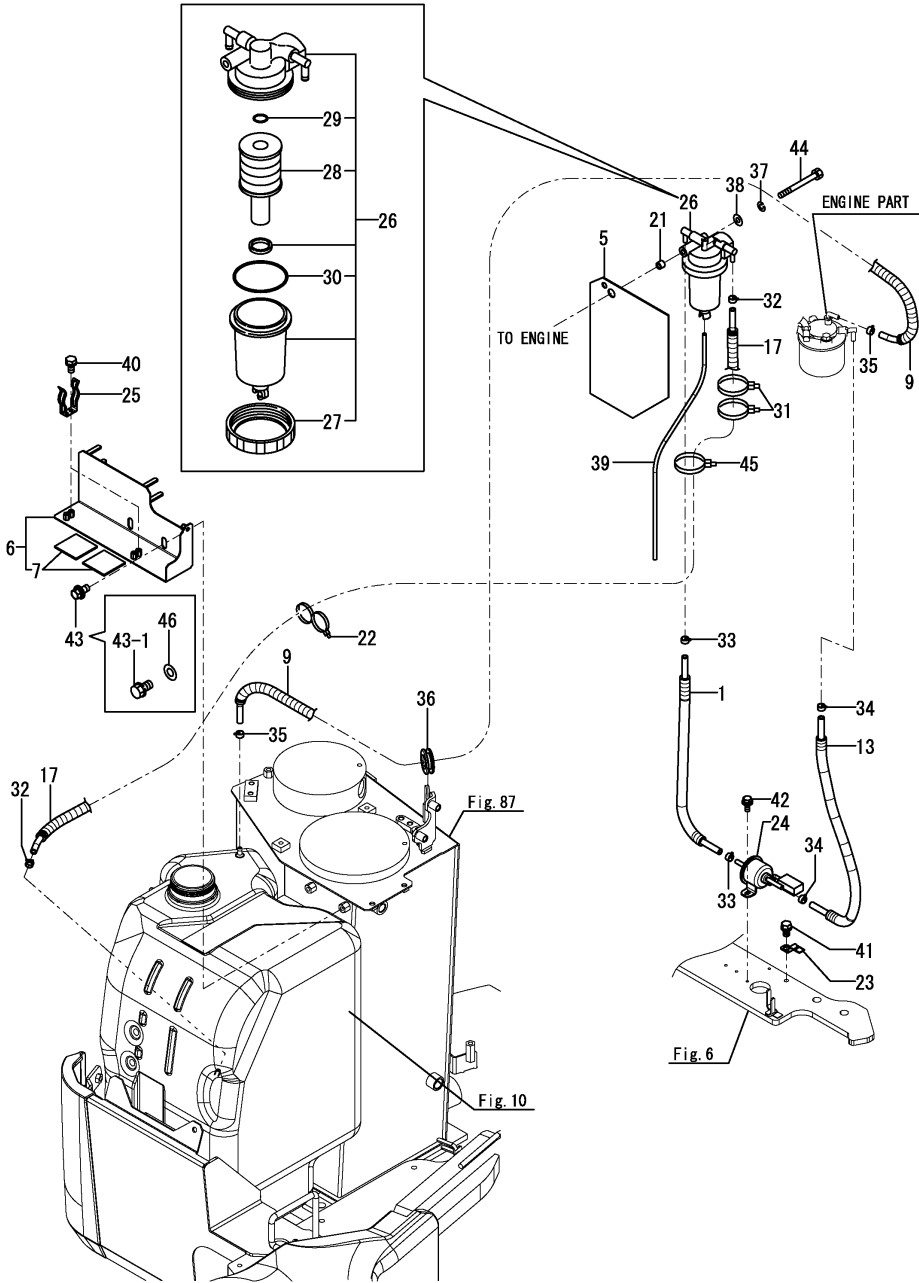


Fig.11. FUEL LINE



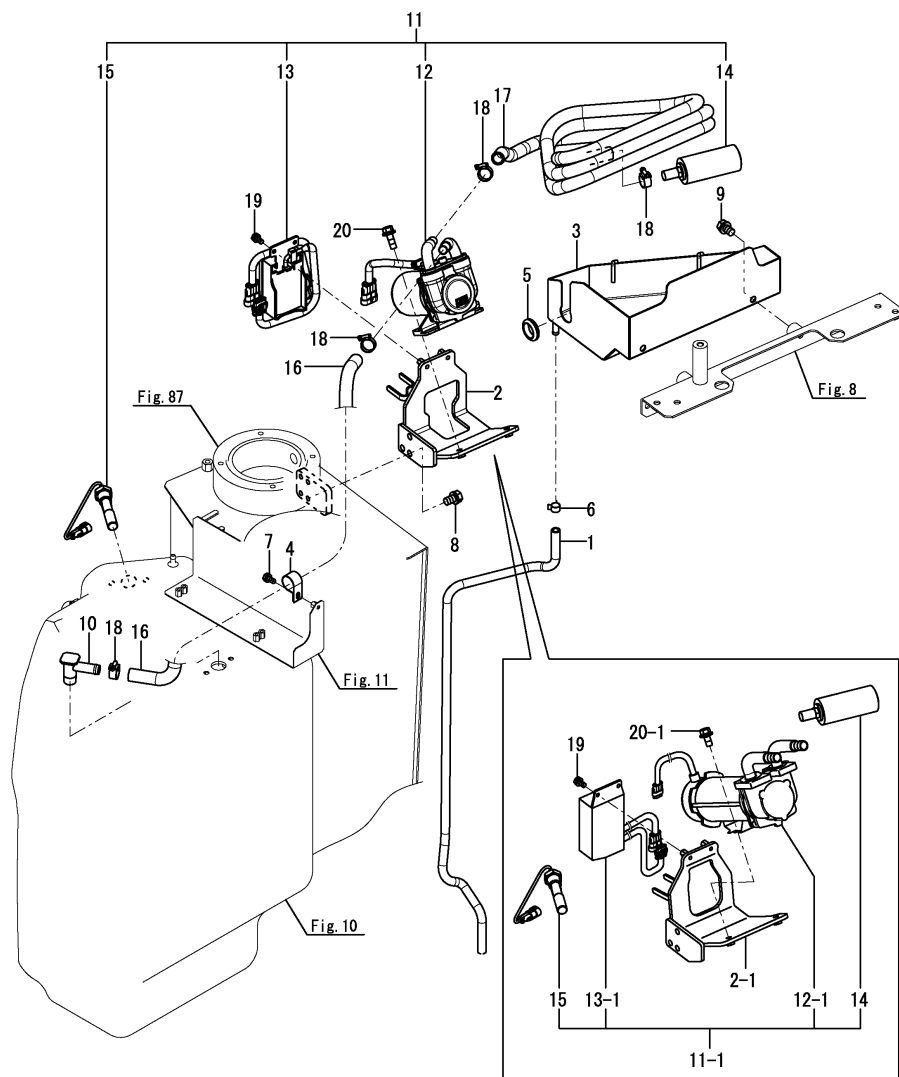
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172186-13810	HOSE ASSY	1							
5	1	172A69-14290	RUBBER PLATE	1							
6	1	172A69-14510	BRACKET ASSY	1							
7	2	172446-14250	PLATE, RUBBER	2							
9	1	172A89-14610	HOSE ASSY(2080	1							
13	1	172A89-14630	HOSE ASSY,550	1							
17	1	172A69-14640	HOSE ASSY	1							
21	1	194630-15520	COLLAR, 9.2X13.8X11	1							
22	1	172137-16560	BAND	1							
23	1	172460-16700	STAY	1							
24	1	129612-52100	PUMP ASSY, FUEL FEED	1							
25	1	172122-55061	BRACKET, PUMP	2							
26	1	184016-55700	SEPARATOR ASSY,WATER	1							
26-1	1	184016-55701	SEPARATOR ASSY	1							N
(A=M90514)											
27	2	129100-55690	RING, RETAINING	1							
28	2	119802-55710	ELEMENT	1							
29	2	24311-000160	O-RING, 1AP16.0	1							
30	2	24321-000650	O-RING, 1AG65.0	1							
31	1	194202-56460	BAND, 200	2							
32	1	124766-59050	CLIP, HOSE 12	2							
33	1	124766-59050	CLIP, HOSE 12	2							
34	1	124766-59050	CLIP, HOSE 12	2							
35	1	124766-59050	CLIP, HOSE 12	2							
36	1	172422-78760	GROMMET	1							Z 1
(A=*2013.10)											
37	1	22137-080000	WASHER, 8	1							
38	1	22217-080000	WASHER, SPRING 8	1							
39	1	23061-050500	PIPE, 5X 500	1							
40	1	26013-060122	BOLT, M6X 12	4							
41	1	26013-100162	BOLT, M10X 16	1							
42	1	26014-060162	BOLT, M6X 16	2							
43	1	26014-100162	BOLT, M10X 16	2							
43-1	1	26013-100162	BOLT, M10X 16	2							N
(A=M90528)											
44	1	26116-080802	BOLT, M8X 80 PLATED	1							
45	1	194202-56460	BAND, 200	1							
46	1	22137-100000	WASHER, 10	2							W
(A=M90528)											

Remarks
(1)Refer to Fig.96.

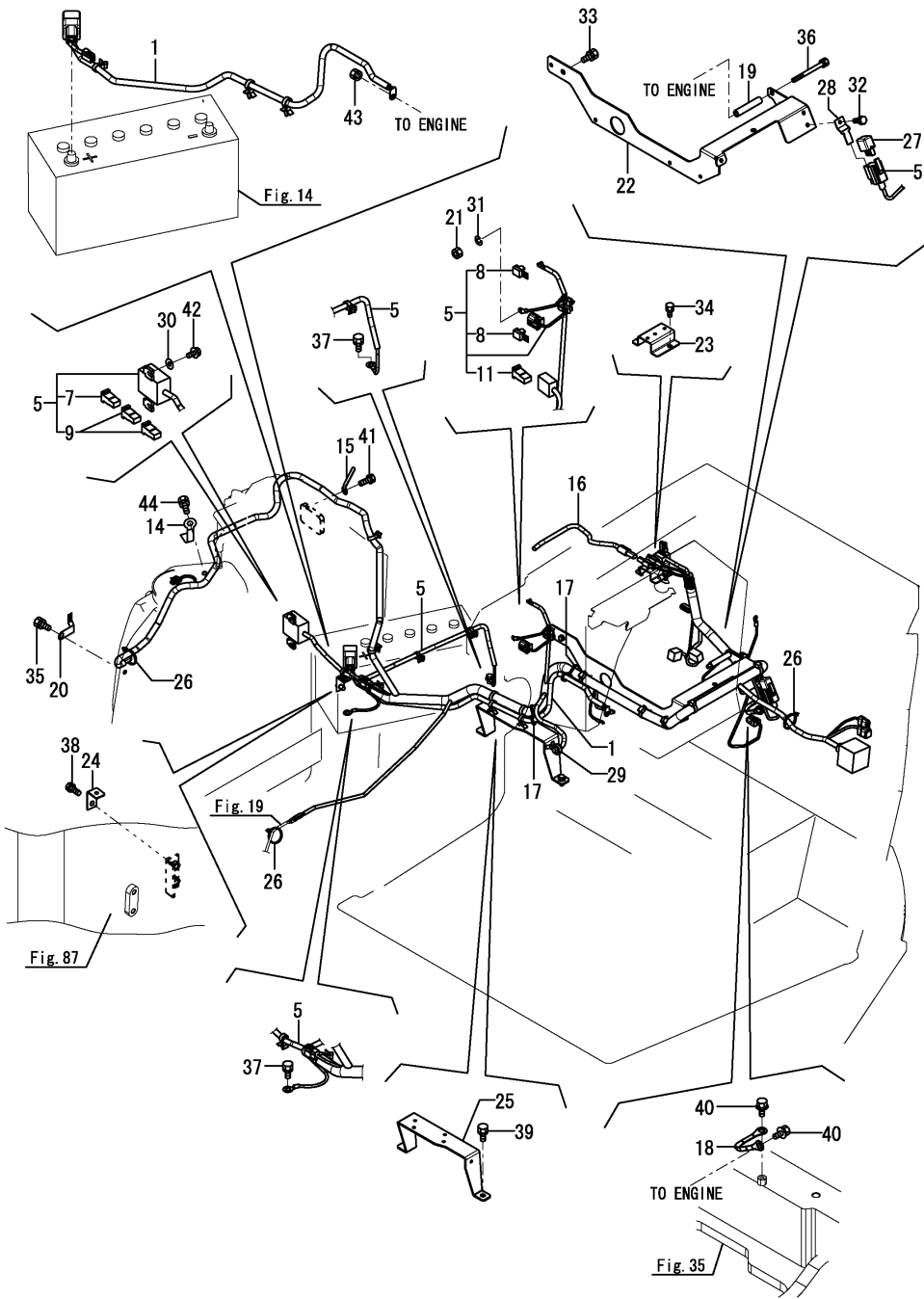
Fig.112. (11A)FUEL OUTSIDE SUPPLY PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-14590	HOSE, DRAIN	1							
2	1	172A89-14650	BRACKET ASSY, PUMP	1							
2-1	1	172A89-14651	BK ASSY,PUMP	1							S
(A=MZZZZZ)											
3	1	172A89-14700	PLATE ASSY, HOSE	1							
4	1	172142-16550	CLAMP	1							
5	1	172137-66230	GROMMET	1							
6	1	23080-013000	CLAMP, 13	1							
7	1	26013-060122	BOLT, M6X 12	1							
8	1	26013-100162	BOLT, M10X 16	3							
9	1	26013-100162	BOLT, M10X 16	2							
10	1	172A69-14700	NIPPLE,R1/2	1							
11	1	172A69-14850	FO PUMP ASSY	1							
11-1	1	172A69-14851	FO PUMP ASSY	1							F 1
(A=MZZZZZ)											
12	2	172A69-14860	FO PUMP	1							
12-1	2	172A69-14861	PUMP ASSY, FO	1							S
(A=MZZZZZ)											
13	2	172A69-14870	SWITCH, PUMP	1							
13-1	2	172A69-14871	SWITCH,FO PUMP	1							S
(A=MZZZZZ)											
14	2	172A69-14880	SUCTION FILTER	1							
15	2	172A69-14890	SWITCH, FLOAT	1							
16	1	172A89-14900	HOSE, FUEL 750	1							
17	1	172A69-14910	HOSE,FO 3000	1							
18	1	23001-022000	CLAMP, HOSE 22	4							
19	1	26013-060122	BOLT, M6X 12	2							
20	1	26014-080252	BOLT, M8X 25	2							
20-1	1	26014-080162	BOLT, M8X 16	2							S
(A=MZZZZZ)											

Remarks
(1)Interchangeable by simultaneous replacement with Ref.No.2-1,20-1.

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

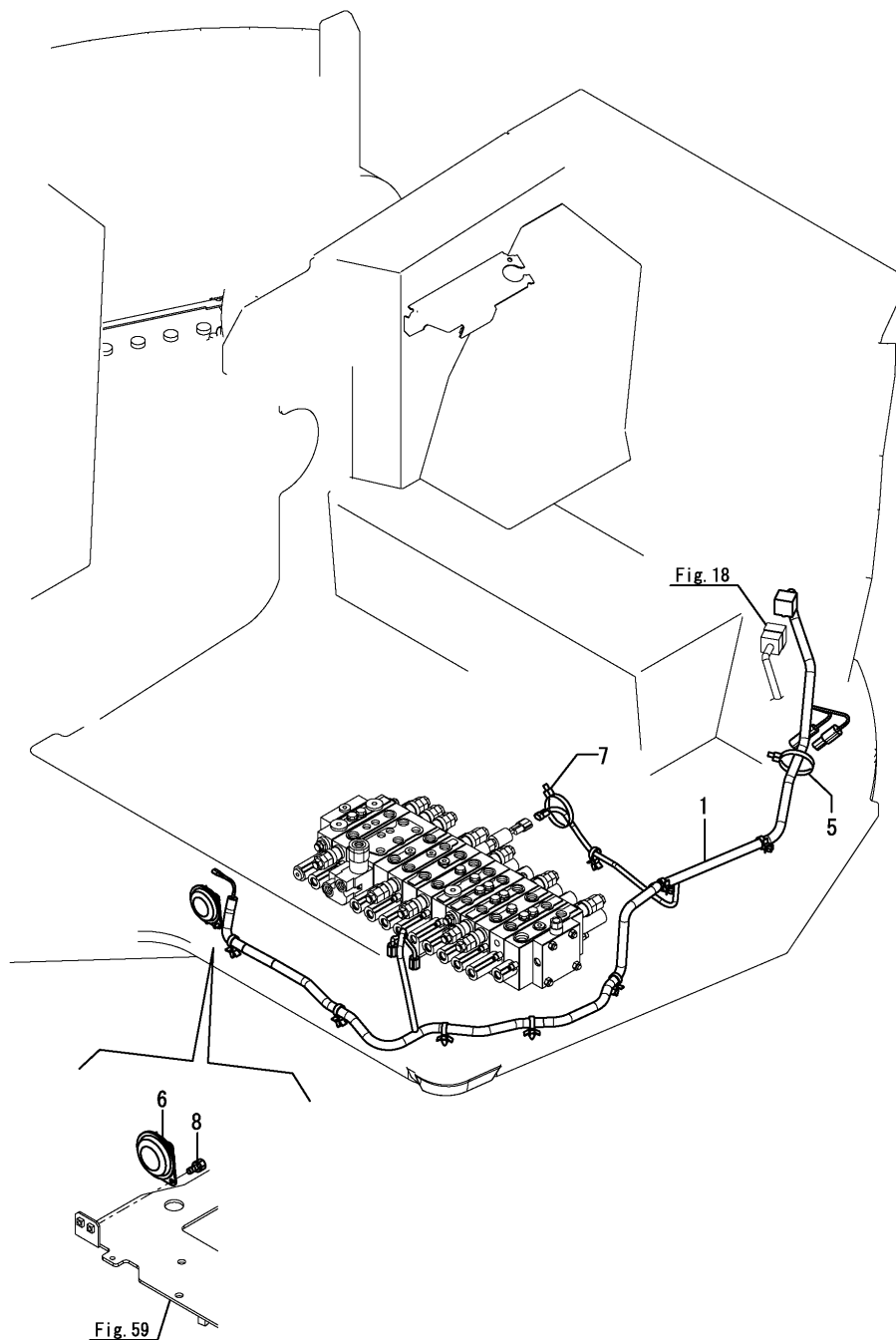


(A)=VIO80(KR)
(B)=
(C)=

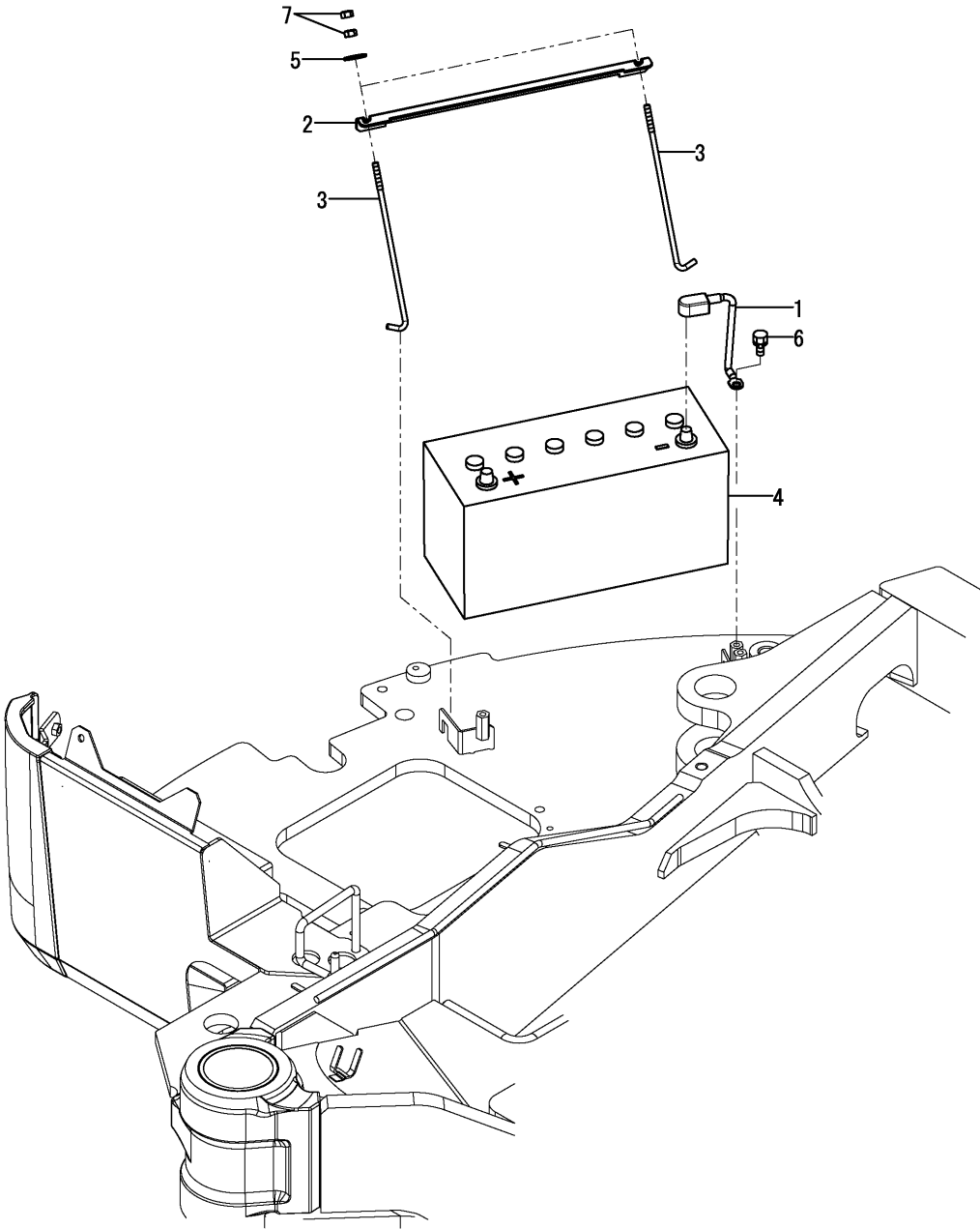
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-16100	CORD ASSY, BATTERY	1							
5	1	172A89-16500	HARNESS,A ASSY	1							
7	2	172A65-16550	FUSE,SLOW BLOW 60A	1							
8	2	172648-16600	DIODE	2							
9	2	172A69-16710	FUSE,SLOW BLOW 60A	2							
11	2	198153-51700	FUSE, SLOW BLOW 80A	1							
14	1	172126-16540	CLAMP	1							
15	1	172126-16540	CLAMP	1							
16	1	172A65-16540	HARNESS C	1							
17	1	172137-16560	BAND	2							
18	1	172187-16600	CORD, ENGINE EARTH	1							
19	1	172A69-16680	COLLAR	1							
20	1	172A69-16700	BRACKET,SWP 2P-M	1							
21	1	26716-060002	NUT, M6	1							
22	1	172A89-16750	SUPPORT ASSY	1							
23	1	172A89-16770	CLAMP, HARNESS	1							
24	1	172A89-16790	STAY, HARNESS	1							
25	1	172A89-16800	SUPPORT, HARNESS	1							
26	1	194202-56460	BAND, 200	3							
27	1	129927-77900	RELAY	1							
28	1	129927-77910	BRACKET, CONNECTOR	1							
29	1	1E8775-84120	CLAMP, BAND	1							
30	1	22137-060000	WASHER, 6	2							
31	1	22217-060000	WASHER, SPRING 6	1							
32	1	26013-060162	BOLT, M6X 16	1							
33	1	26013-080162	BOLT, M8X 16	1							
34	1	26013-080162	BOLT, M8X 16	2							
35	1	26013-080162	BOLT, M8X 16	1							
36	1	26013-080852	BOLT, M8X 85	1							
37	1	26013-100162	BOLT, M10X 16	2							
38	1	26013-100162	BOLT, M10X 16	1							
39	1	26013-100202	BOLT, M10X 20	2							
40	1	26014-100162	BOLT, M10X 16	2							
41	1	26014-100162	BOLT, M10X 16	1							
42	1	26023-060122	SCREW, M6X12	2							
43	1	26051-080002	NUT, M8	1							
44	1	26014-080162	BOLT, M8X 16	1							

Fig.13. ELECTRIC PART(CONTROL VALVE PLATE)



				(A)=VIO80(KR)				(D)=				
				(B)=				(E)=				
				(C)=				(F)=				
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172A69-16551	HARNESS,D ASSY	1								
5	1	194202-56460	BAND, 200	1								
6	1	194151-57100	HORN	1								
7	1	1E8775-84120	CLAMP, BAND	1								
8	1	26013-060122	BOLT, M6X 12	2								



(A)=VIO80(KR)
(B)=
(C)=

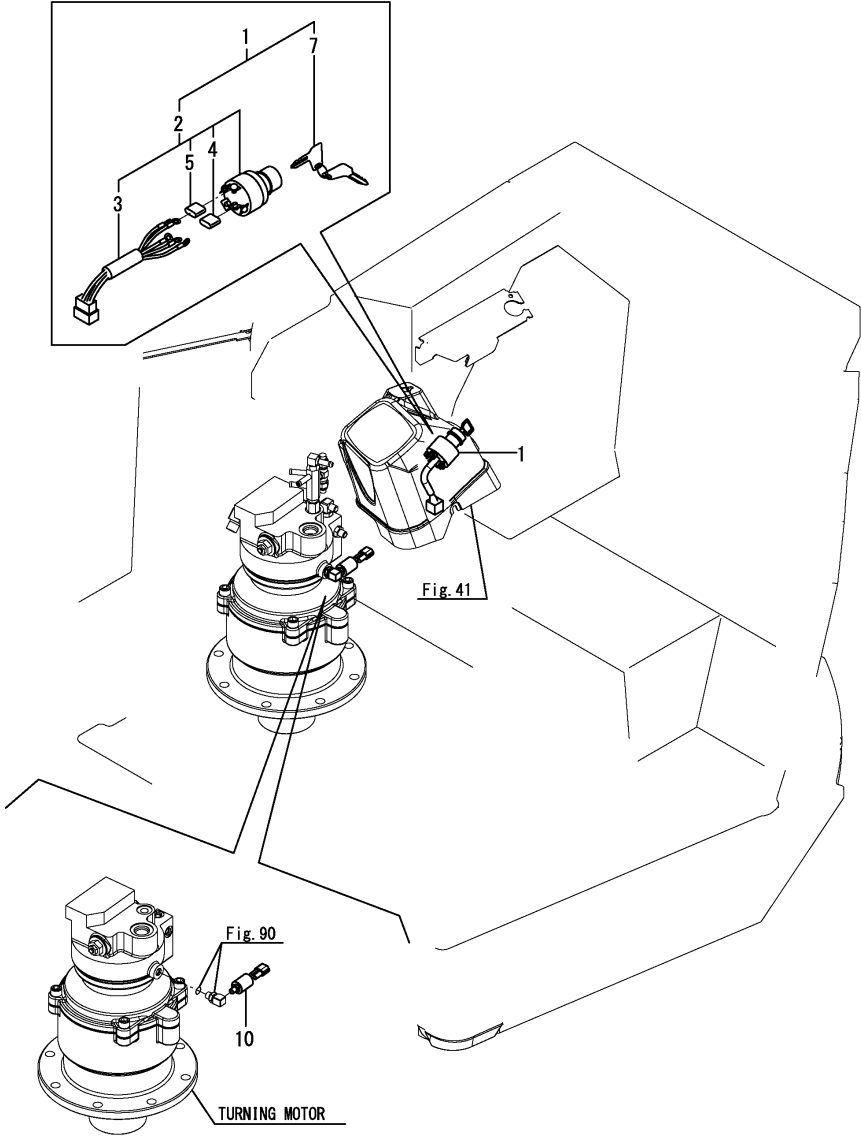
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-16110	CORD, BATTERY	1							
2	1	172112-16201	RETAINER, BATTERY	1							
3	1	172164-16370	ROD	2							
4	1	1E8080-83320	BATTERY 130E41R	1							
5	1	22157-080000	WASHER, 8	2							
6	1	26013-100162	BOLT, M10X 16	1							
7	1	26716-080002	NUT, M8	4							

Fig.15. ELECTRIC PART(STARTING SWITCH)

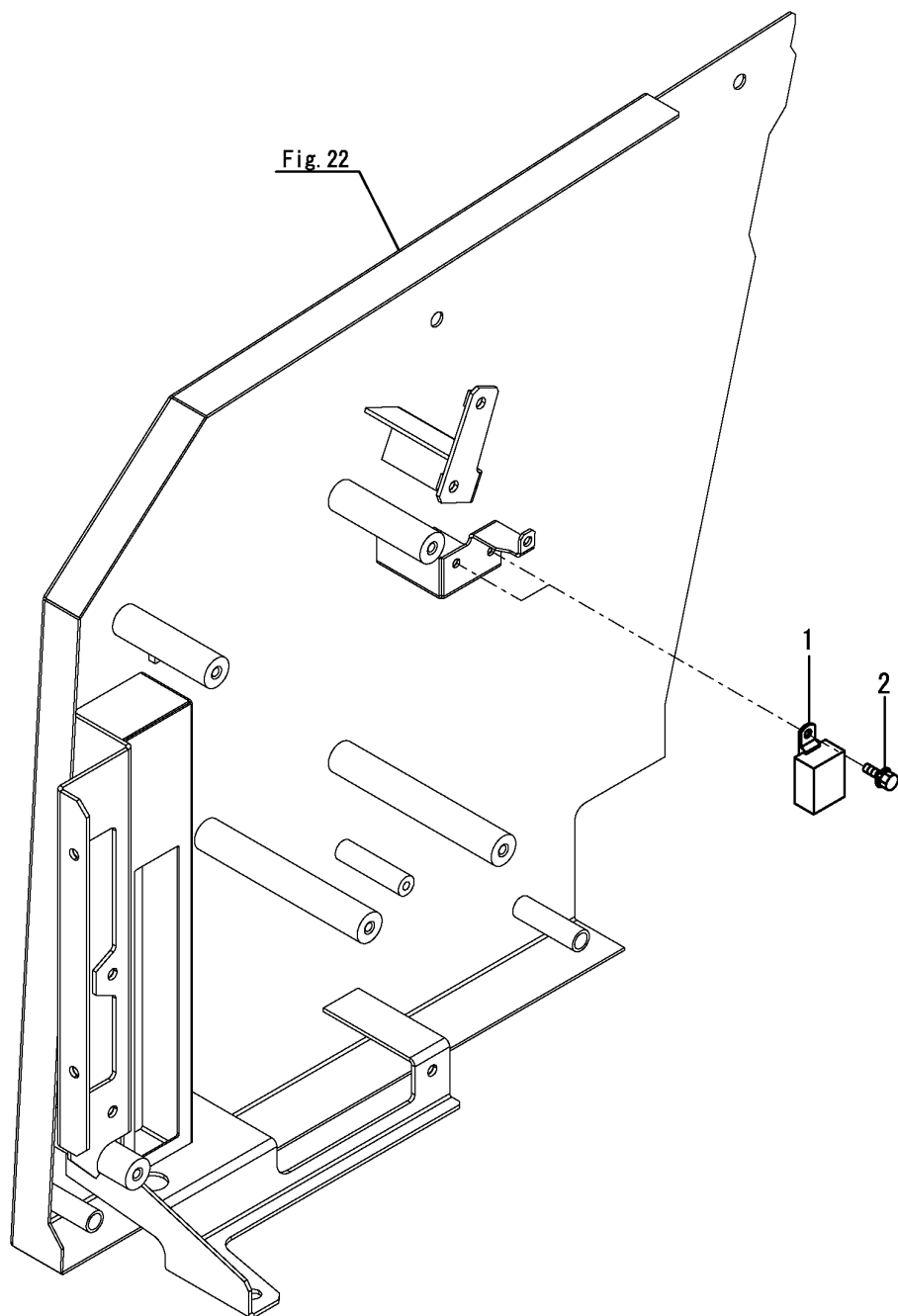
(A)=VIO80(KR)
(B)=
(C)=

(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	172187-17101	SWITCH ASSY, STARTER	1						N	
(A=M92036)											
2	2	172A47-17210	CYLINDER ASSY, KEY	1							W
(A=M90510)											
2-1	2	172A47-17211	CYLINDER ASSY, KEY	1						N	
(A=M92036)											
3	3	172187-17070	CORD ASSY	1							
4	3	172187-17080	COVER	3							
5	3	172187-17090	COVER	2							
7	2	933110-00301	KEY ASSY	1							
10	1	172478-17201	SWITCH, PRESSURE	1							

Fig.16. ELECTRIC PART(AIR CONDITIONER)

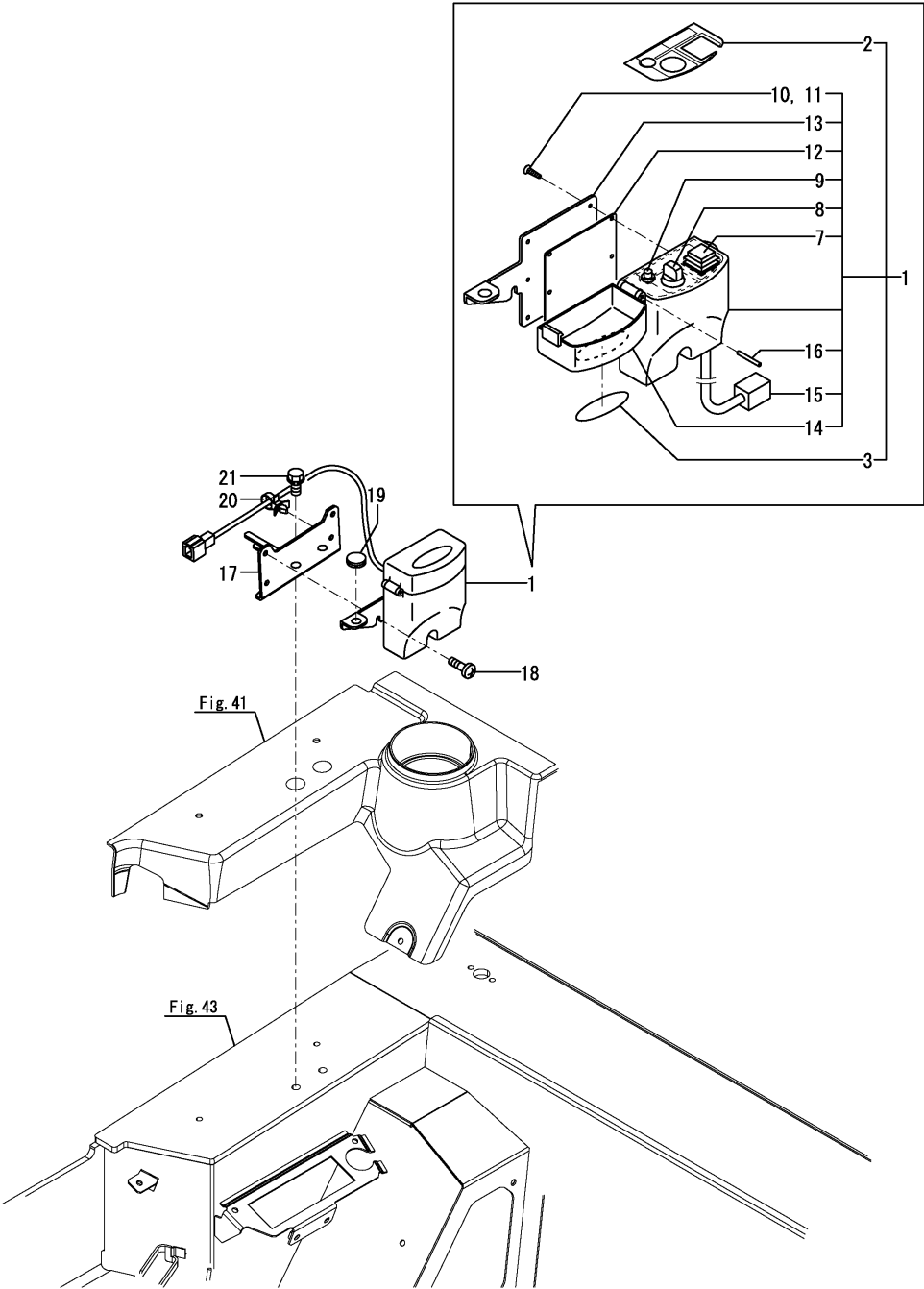


No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	198461-52950	RELAY, CA TYPE C	2					
2	1	26014-060162	BOLT, M6X 16	2					

Fig.17. ELECTRIC PART(SWITCH BOX : QUICK COUPLER)

(A)=VIO80(KR)
(B)=
(C)=

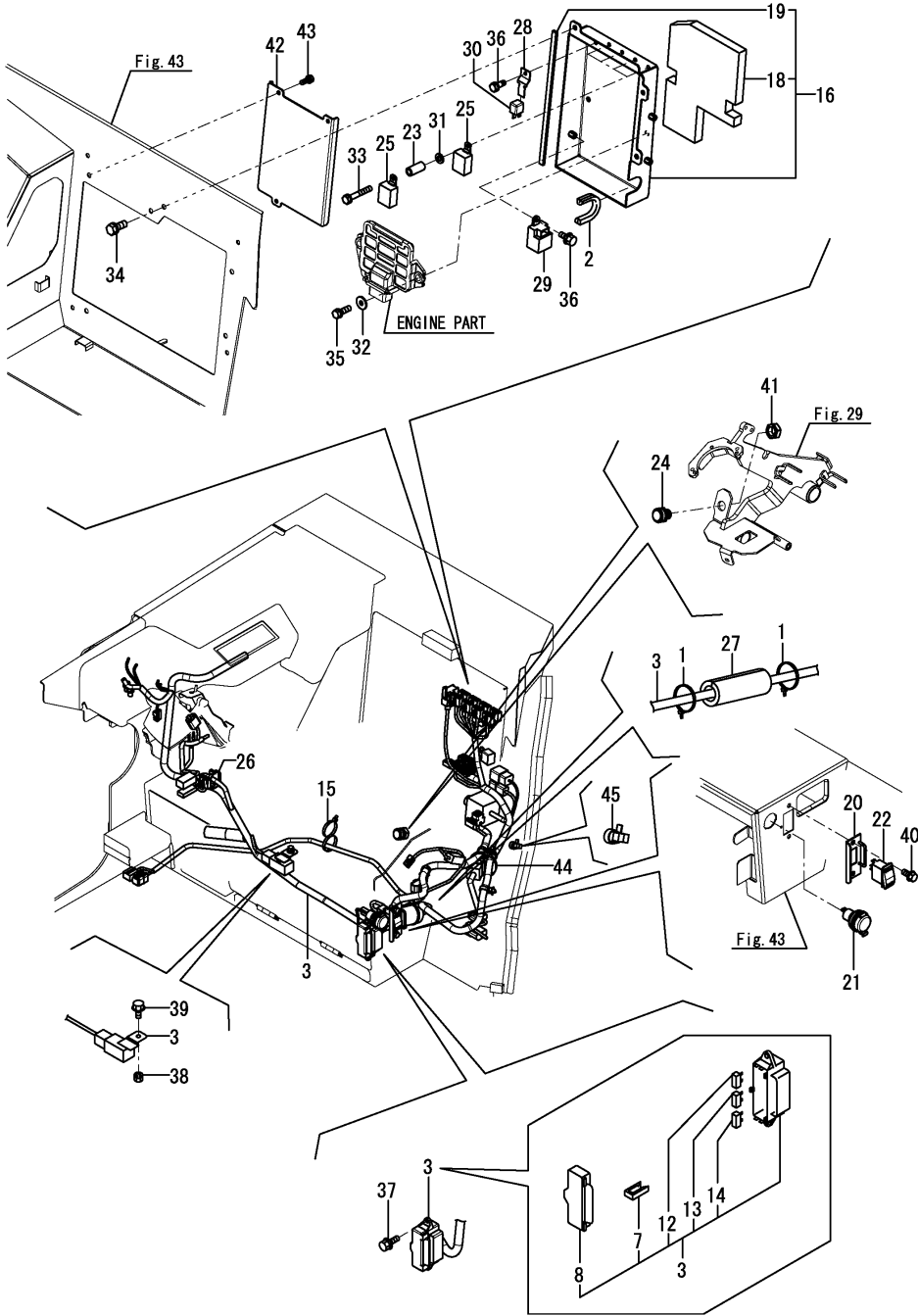
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-17110	BOX, SWITCH	1							
2	2	172472-03290	LABEL, SWITCH	1							
3	2	172472-03300	LABEL, COVER	1							
7	3	172958-17140	SWITCH ASSY	1							
8	3	172958-17150	SWITCH ASSY	1							
9	3	172958-17160	LAMP, INDICATOR	1							
10	3	172958-17170	SCREW, TAPPING	6							
11	3	172958-17180	SCREW, TAPPING	2							
12	3	172958-17190	PACKING	1							
13	3	172958-17200	BRACKET	1							
14	3	172958-17210	CASE	1							
15	3	172958-17220	CORD	1							
16	3	22351-030028	PIN, SPRING 3.0X28	1							
17	1	172A89-17150	QH BRACKET ASSY	1							
18	1	172137-46210	SCREW	2							
19	1	172187-64900	PLUG	1							
20	1	1E8775-84120	CLAMP, BAND	1							
21	1	26013-100202	BOLT, M10X 20	2							
21-1	1	26013-100252	BOLT, M10X 25	2							N

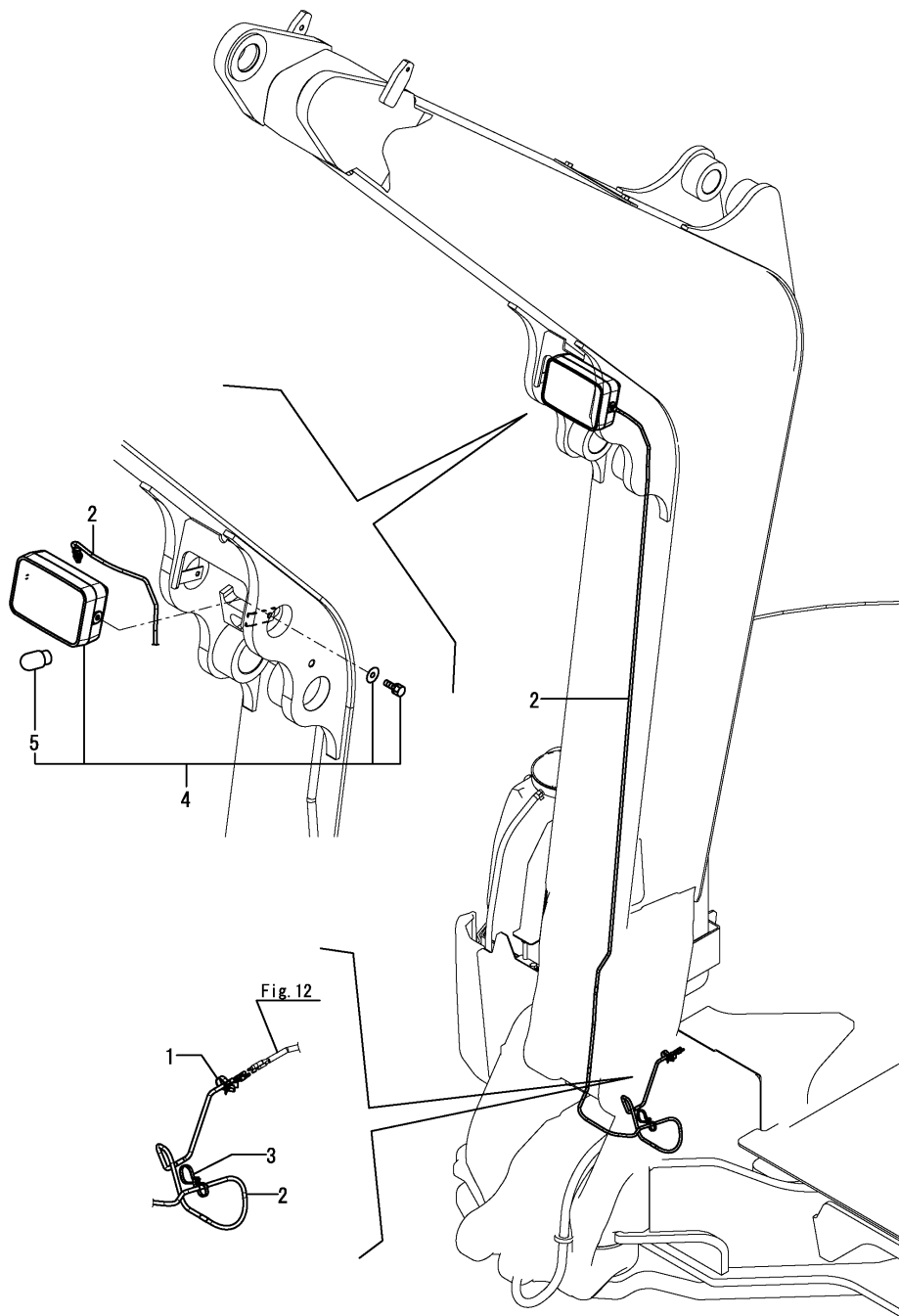
(A=*2013.09)

Fig.18. ELECTRIC PART(SEAT MOUNT)



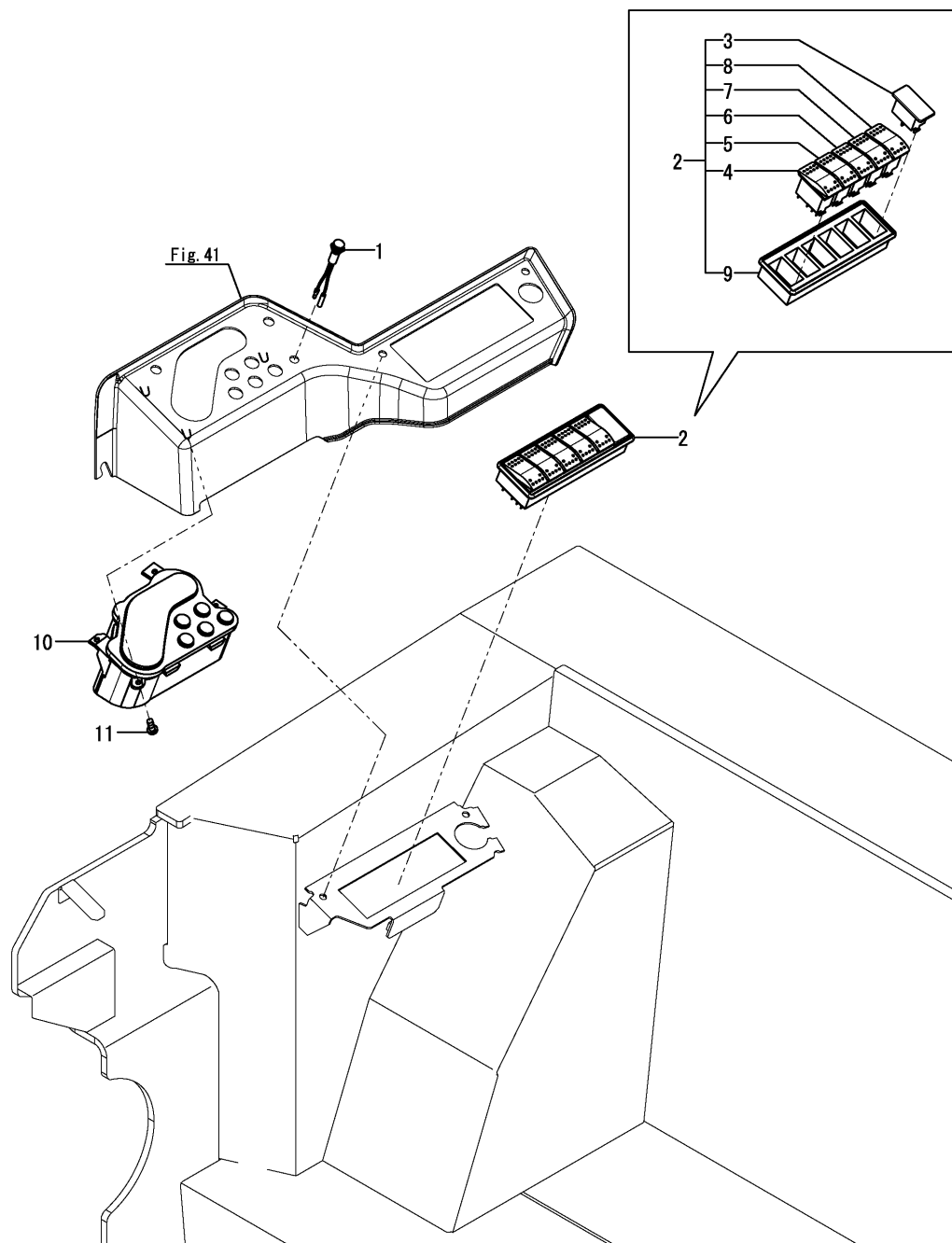
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	2							
2	1	172456-13470	RUBBER 100	1							
3	1	172A89-16550	HARNESS,B ASSY(EX	1							
7	2	172175-17120	PULLER	1							
8	2	172187-17220	COVER	1							
12	2	29420-050000	FUSE, B 5A	2							
13	2	29420-100000	FUSE, B 10A	5							
14	2	29420-300000	FUSE, B 30A	3							
15	1	172137-16560	BAND	1							
16	1	172A89-17090	BOX A ASSY,CONTROLLER	1							
18	2	172A69-17140	SPONGE	1							
19	2	172487-61460	SEAL, MULTI COVER	1							
20	1	172A89-17180	PLATE ASSY,SWITCH	1							
21	1	172A64-17250	SOCKET ASSY	1							
22	1	172A69-17260	SWITCH, ENGINE STOP	1							
23	1	172A65-17480	COLLAR	4							
24	1	194464-52190	SWITCH, SAFETY START	1							
25	1	198461-52950	RELAY, CA TYPE C	8							
26	1	194202-56460	BAND, 200	1							
27	1	172445-68650	SPONGE, HOSE	1							
28	1	129927-77910	BRACKET, CONNECTOR	1							
29	1	124970-77920	TIMER	1							
30	1	129927-77920	RELAY	1							
31	1	22137-060000	WASHER, 6	4							
32	1	22157-080000	WASHER, 8	2							
33	1	26013-060402	BOLT, M6X 40	4							
34	1	26013-080162	BOLT, M8X 16	3							
35	1	26013-080252	BOLT, M8X 25	2							
36	1	26014-060162	BOLT, M6X 16	2							
37	1	26014-060162	BOLT, M6X 16	2							
38	1	26051-080002	NUT, M8	1							
39	1	26106-080162	BOLT, M8X 16 PLATED	1							
40	1	26106-080162	BOLT, M8X 16 PLATED	2							
41	1	26776-180002	NUT, LOCK M18	1							
42	1	172A89-17500	COVER ASSY	1							
43	1	26013-080162	BOLT, M8X 16	3							
44	1	172126-11510	BAND 300	1							
45	1	1E8775-84120	CLAMP, BAND	1							

Fig.19. ELECTRIC PART(WORK LAMP)

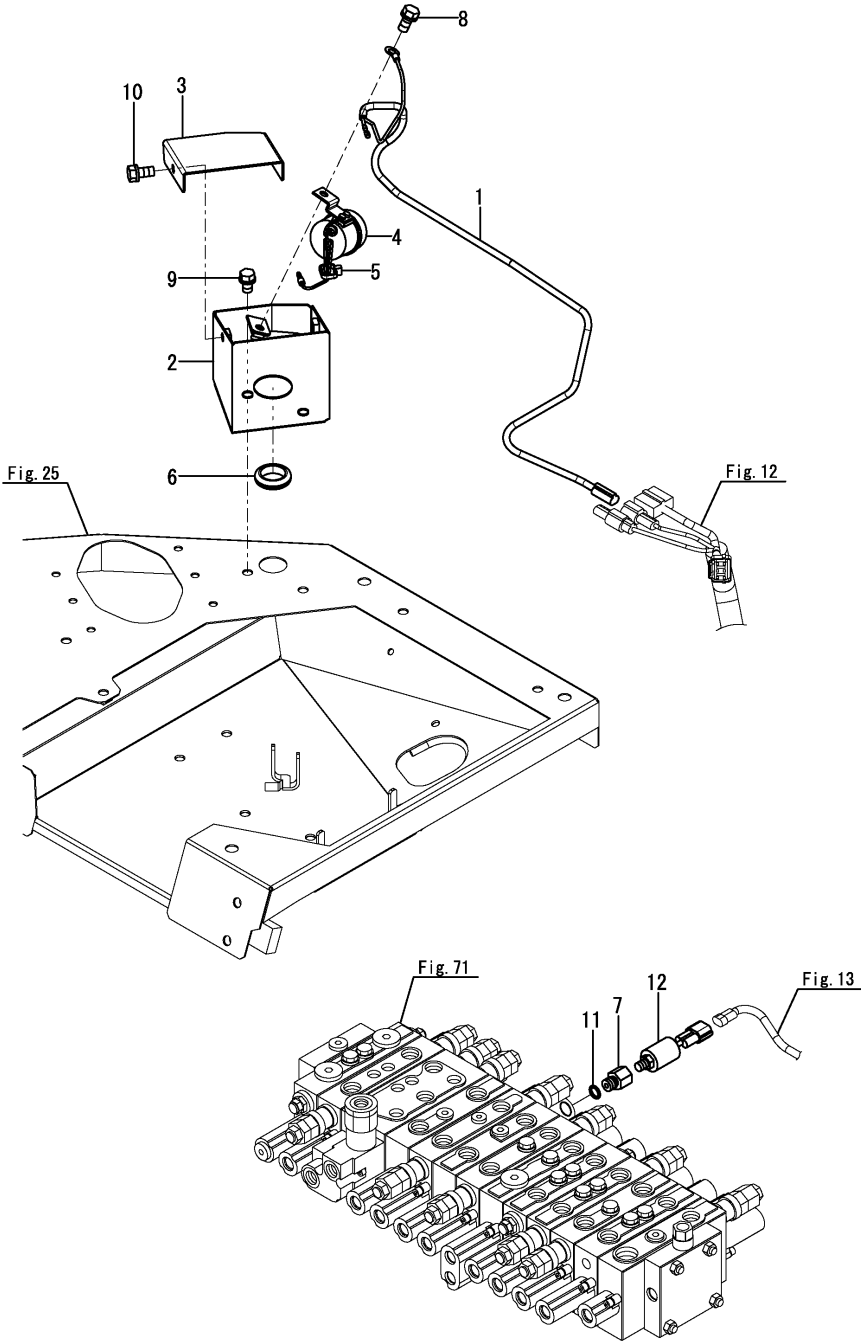


				(A)=VIO80(KR)	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	1E8775-84120	CLAMP, BAND	1								
2	1	172A89-16440	HARNESS,BOOM	1								
3	1	172137-16560	BAND	1								
4	1	172162-17400	LAMP COMP.,WORKING	1								
5	2	172141-17211	BULB	1								

Fig.20. ELECTRIC PART(INDICATOR BOX)

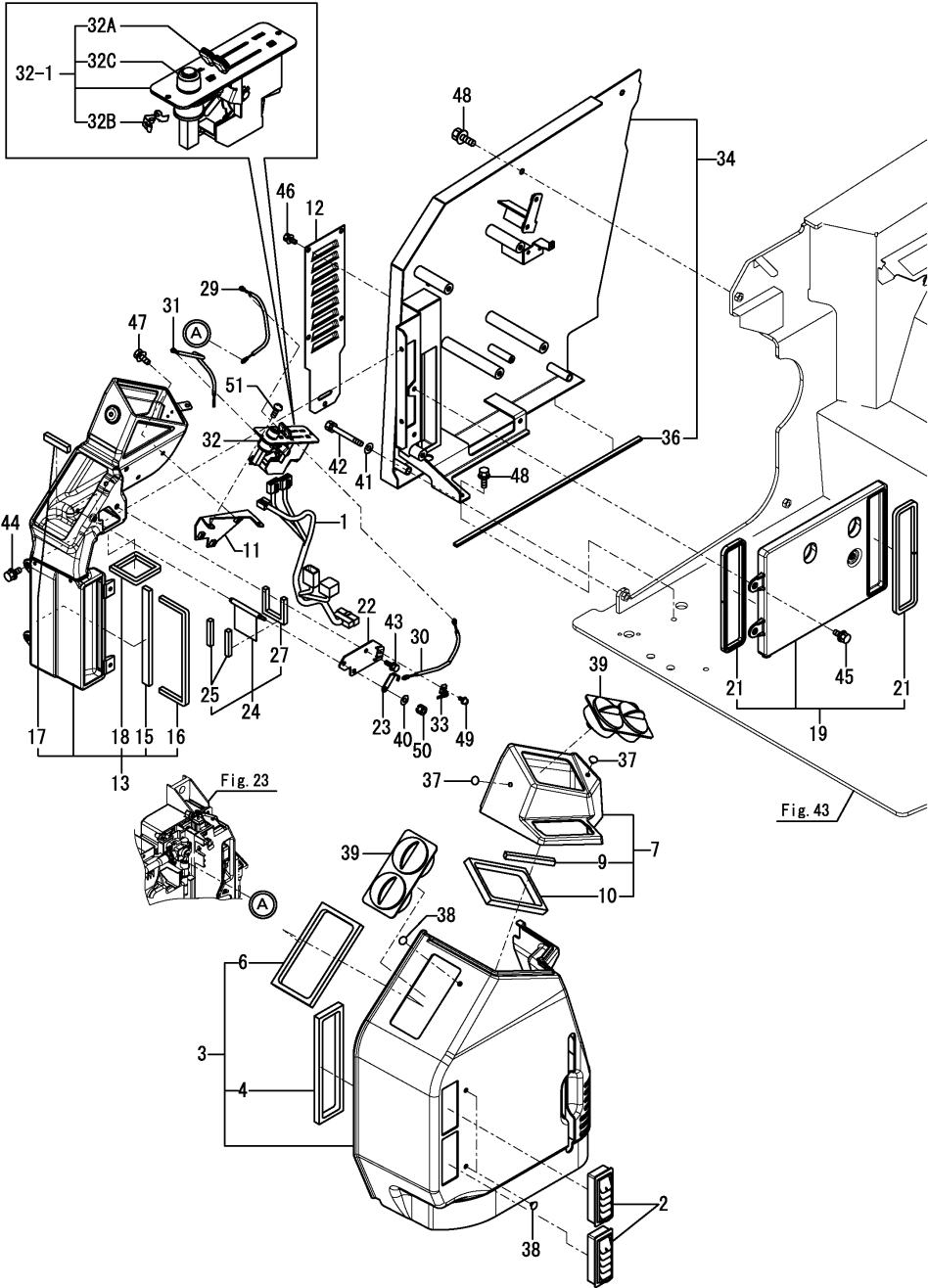


No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A65-17150	LAMP, PILOT	1					
2	1	172A69-17200	SWITCH ASSY	1					
2-1	1	172A69-17201	SWITCH ASSY	1					N
		(A=M90587)							
3	2	172538-17100	PLUG, PANEL	1					
4	2	172A69-17210	SWITCH, TRAVEL	1					
4-1	2	172A69-17211	SWITCH, TRAVLE	1					N
		(A=M90587)							
5	2	172A69-17220	SWITCH, WIPER	1					
5-1	2	172A69-17221	SWITCH, WIPER	1					N
		(A=M90587)							
6	2	172A69-17230	SWITCH, LIGHT	1					
6-1	2	172A69-17231	SWITCH, LIGHT	1					N
		(A=M90587)							
7	2	172A69-17240	SWITCH, AUTO DECEL	1					
8	2	172A69-17250	SWITCH, ECO	1					
9	2	172A69-17270	PANEL	1					
10	1	172A77-17250	MONITOR ASSY	1					
10-1	1	172A77-17251	MONITOR ASSY	1					N
		(A=*2024.10.)							
11	1	22857-500121	SCREW 5X12	3					



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-16420	HARNESS, TRAVEL	1							
2	1	172A89-16810	COVER ASSY, BUZZER	1							
3	1	172A89-16870	COVER, BUZZER	1							
4	1	172511-17351	BUZZER, BACK	1							
5	1	194202-56460	BAND, 200	1							
6	1	172137-66230	GROMMET	1							
7	1	172156-76110	CONNECTOR, PF1/4PT1/8	1							
8	1	26013-080162	BOLT, M8X 16	1							
9	1	26013-100162	BOLT, M10X 16	2							
10	1	26013-080162	BOLT, M8X 16	2							
11	1	41851-000110	O-RING	1							
12	1	172478-17201	SWITCH, PRESSURE	1							

Fig.22. AIR CONDITIONER(CABIN RELATED)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-16600	HARNESS, WIRE	1							
2	1	172458-17700	GRILLE	2							
3	1	172A69-18200	COVER ASSY	1							
4	2	172A69-18210	SEAL, DUCT	1							
6	2	1A7470-87320	SEAL, DUCT SIDE	1							
7	1	172A69-18230	COVER ASSY	1							
9	2	172446-49280	SEAL	1							
10	2	1A7470-87320	SEAL, DUCT SIDE	1							
11	1	172A69-18650	BRACKET ASSY	1							
12	1	172A69-18680	PLATE, INTAKE	1							
13	1	172A69-18700	DUCT ASSY	1							
15	2	172A69-18760	SEAL, DUCT	1							
16	2	172A69-18770	SEAL, DUCT	1							
17	2	172A69-18780	SPONGE	1							
18	2	172A69-18790	SEAL, DUCT	1							
19	1	172A69-18730	DUCT ASSY	1							
21	2	172A69-18750	SEAL, DUCT	2							
22	1	172A69-18820	COVER ASSY, DUCT	1							
23	1	172A69-18860	LEVER, DUMPER	1							
24	1	172A69-18940	DAMPER ASSY	1							
25	2	172A69-18800	SEAL	2							
27	2	172A69-18990	SPONGE	1							
29	1	172A69-19700	CABLE, HEATER	1							
30	1	172A89-19710	CABLE,AC DAMPER	1							
31	1	172A69-19720	CABLE, DOOR	1							
32	1	172A69-19730	CONTROL ASSY	1							
32-1	1	172A69-19731	CONTROL ASSY	1							N
(A=*2014.11.)											
32A	2	1E8545-80080	KNOB, CONTROL	2							W
(A=*2014.11.)											
32B	2	1A7030-87790	CLAMP, CABLE	3							W
(A=*2014.11.)											
32C	2	1A7030-88211	SWITCH ASSY, AIR CON	1							W
(A=*2014.11.)											
33	1	172A69-19890	CLAMP, CABLE	1							
34	1	172A89-19100	BRACKET ASSY,ACU(49	1							
36	2	172458-64140	SEAL	1							
37	1	172187-63160	CLIP	2							
38	1	1A6260-64200	CLIP	4							
39	1	1A7030-87411	GRILLE ASSY, FRONT	2							
40	1	22137-060000	WASHER, 6	1							
41	1	22137-100000	WASHER, 10	2							
42	1	26013-100852	BOLT, SPRING M10X 85	2							
43	1	26013-060102	BOLT, SPRING M6X 10	2							
44	1	26014-080162	BOLT, M8X 16	4							
45	1	26014-080162	BOLT, M8X 16	3							
46	1	26014-080162	BOLT, M8X 16	5							
47	1	26014-080162	BOLT, M8X 16	3							
48	1	26014-100252	BOLT, M10X 25	3							
49	1	26023-040102	SCREW, M4X10	1							
50	1	26051-060002	NUT, M6	1							

Fig.22. AIR CONDITIONER(CABIN RELATED)

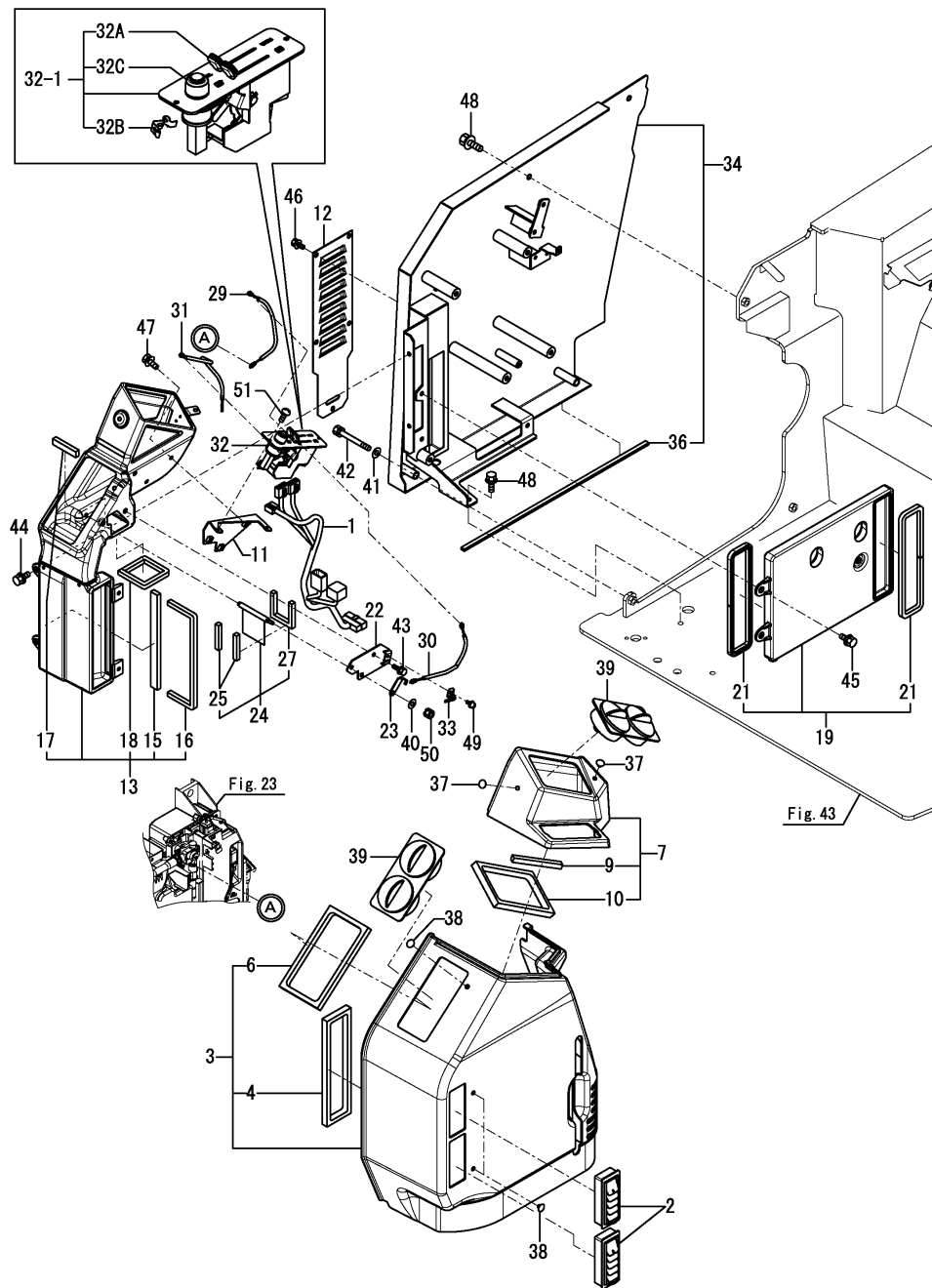
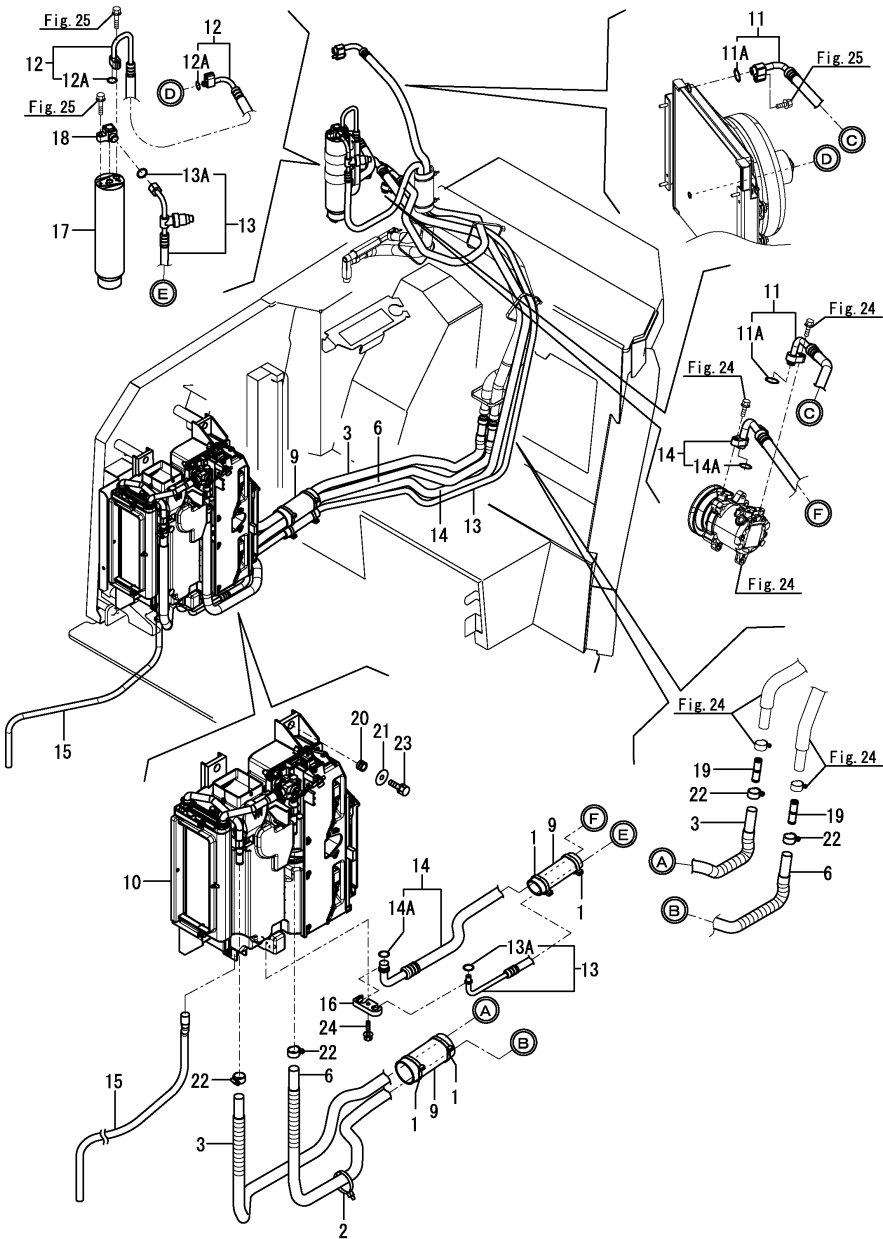
[illegible]

Fig.23. AIR CONDITIONER(PIPING)



Remarks
(1)Inner parts are shown in Fig.125(23A).

(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	4							
2	1	172126-11510	BAND	1							
3	1	172A69-17870	HOSE ASSY, HEATER	1							
6	1	172A69-17890	HOSE ASSY, HEATER	1							
9	1	172A69-18900	SPONGE, HOSE	2							
10	1	172A69-19010	CONDITIONER ASSY,AIR	1							1
11	1	172A89-19800	HOSE,COMP-COND	1							
11A	2	1A7030-88820	O-RING	2							W
(A=*2015.11.)											
12	1	172A69-19810	HOSE	1							
12A	2	1A7030-88760	O-RING	2							W
(A=*2015.11.)											
13	1	172A89-19820	HOSE,UNIT-R/D	1							
13A	2	1A7030-88760	O-RING	2							W
(A=*2015.11.)											
14	1	172A89-19830	HOSE,UNIT-COMP	1							
14A	2	1A7030-88840	O-RING	2							W
(A=*2015.11.)											
15	1	172A69-19860	HOSE, DRAIN	1							
16	1	172A69-19880	CONNECTOR	1							
17	1	1E8545-80210	DRYER, RECEIVER	1							
18	1	1E8545-80250	JOINT, RECEIVER	1							
19	1	1A7030-88660	PIPE, JOINT	2							
20	1	172491-61490	SPACER	6							
21	1	22157-080000	WASHER, 8	6							
22	1	23080-018000	CLAMP, 18	4							
23	1	26013-080252	BOLT, SPRING M8X 25	6							
24	1	26014-060252	BOLT, M6X 25	1							

Fig.125. (23A)AIR CONDITIONER(UNIT INNER PARTS)

(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-19010	CONDITIONER ASSY,AIR	1							
2	2	172A69-19310	MOTOR,BLOWER ASSY	1							
3	2	172A69-19320	EVAPORATOR ASSY	1							
4	2	172A69-19330	THERMISTOR ASSY	1							
5	2	172A69-19340	CORE ASSY, HEATER	1							
6	2	172A69-19350	AMPLIFIER	1							
7	2	172A69-19360	RELAY	2							
8	2	172A69-19370	RESISTOR	1							
9	2	172A69-19380	FILTER ASSY	1							
10	2	172A69-19390	FAN, BLOWER L	1							W
(A=*2014.09)											
11	2	172A69-19400	FAN, BLOWER R	1							W
(A=*2014.09)											

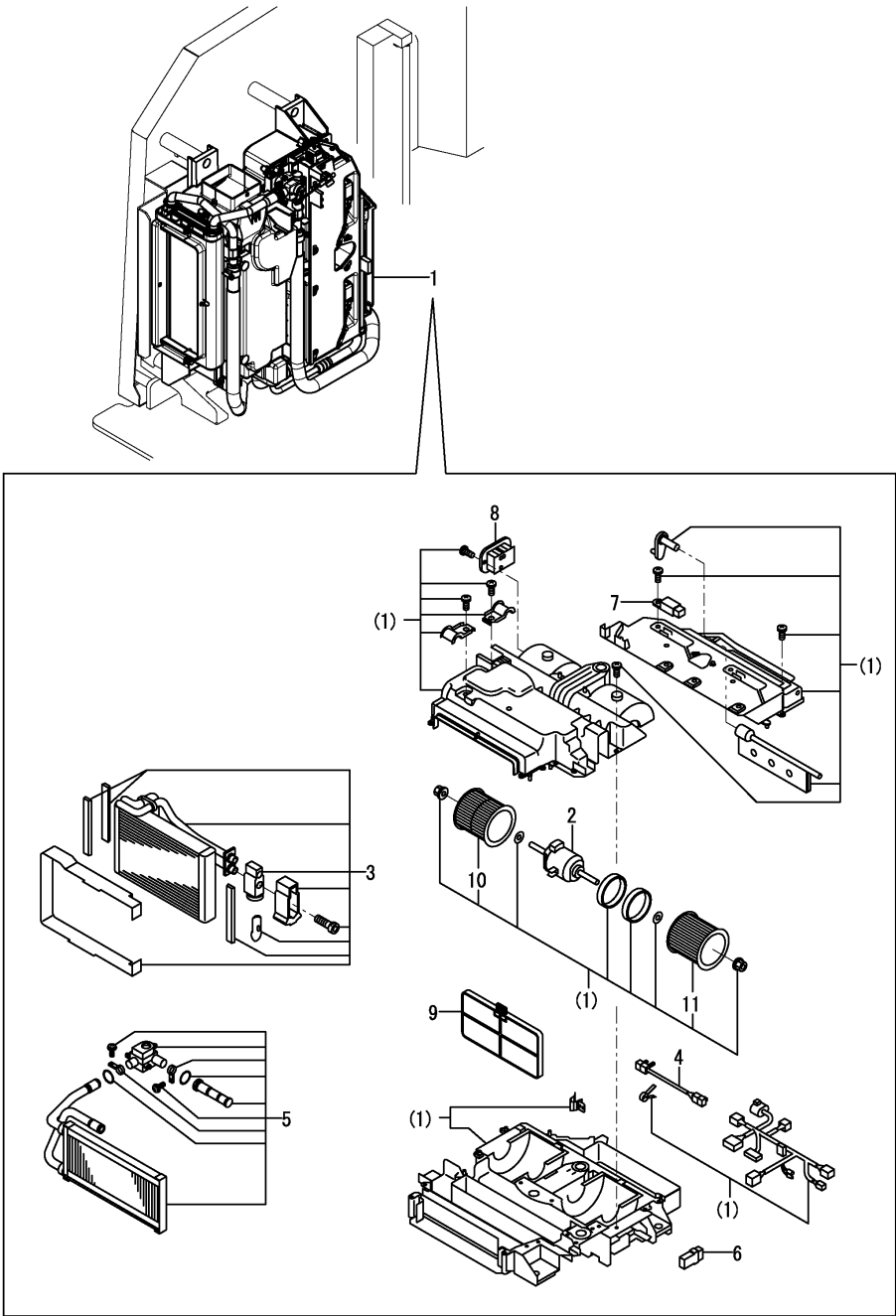
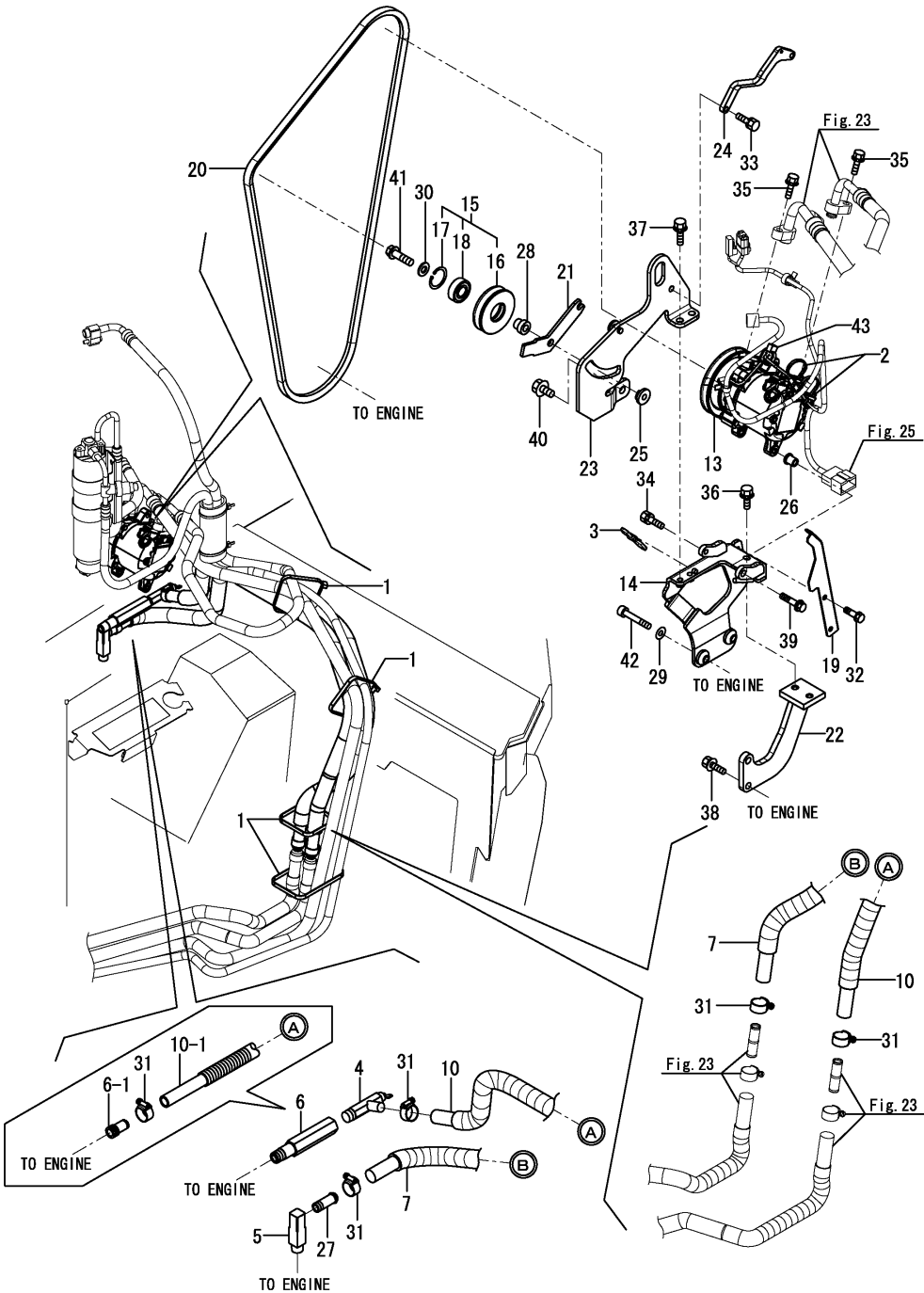
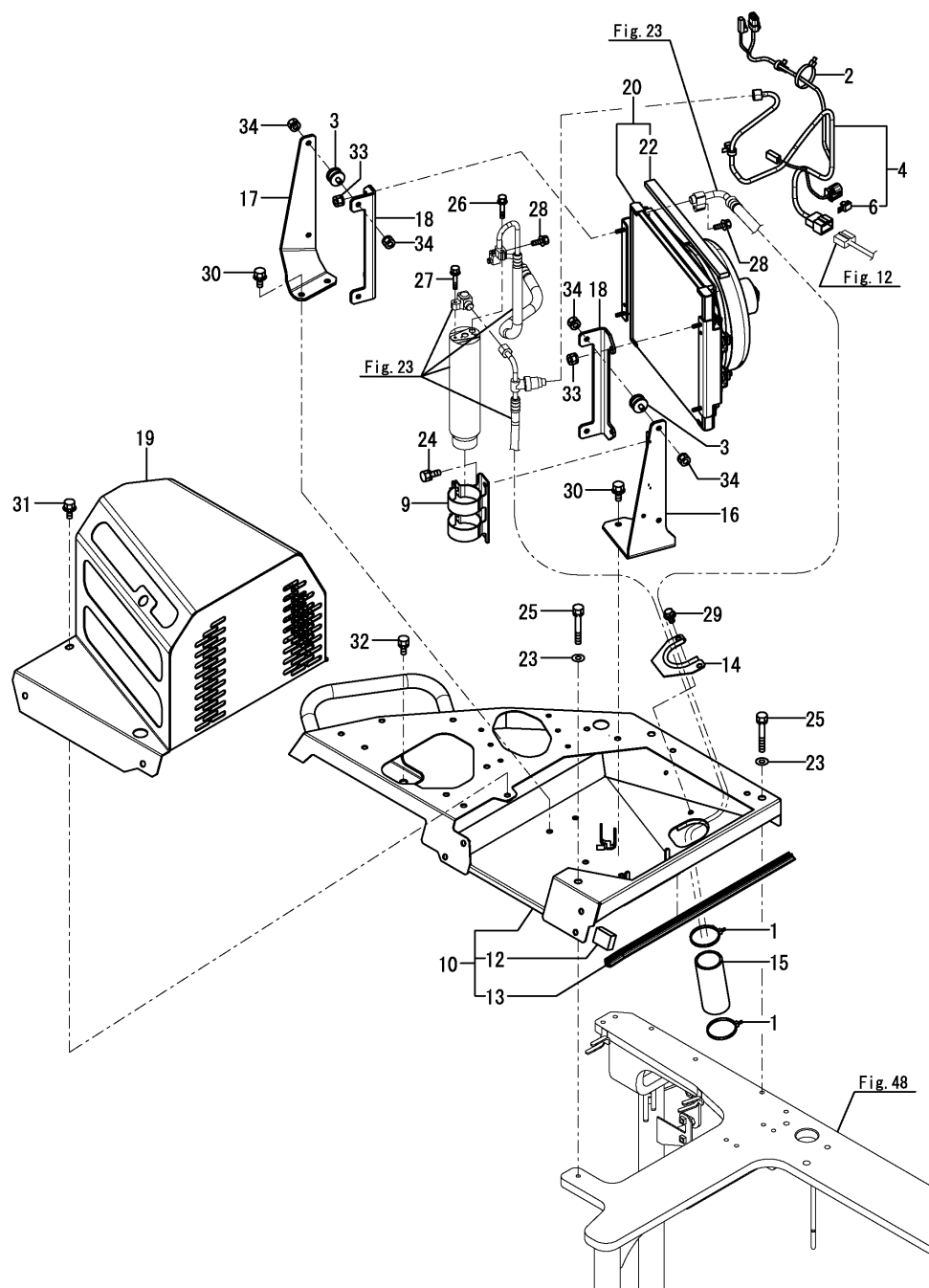


Fig.24. AIR CONDITIONER(ENGINE RELATED)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	6							
2	1	172137-16560	BAND	2							
3	1	172137-16560	BAND	1							
4	1	172425-17630	VALVE ASSY, HEATER	1							Z
(A=MZZZZZ)											
5	1	172499-17650	ELBOW	1							
6	1	172A65-17650	CONNECTOR	1							
6-1	1	172124-17640	JOINT, PIPE	1							S
(A=MZZZZZ)											
7	1	172A89-17810	HOSE ASY,HEATER 1050	1							
10	1	172A89-17840	HOSE ASY,HEATER 900	1							
10-1	1	172A69-17940	HOSE ASSY,HEATER1200	1							S
(A=MZZZZZ)											
13	1	172A69-18100	COMPRESSOR ASSY	1							
14	1	172A89-18110	BRACKET A ASSY	1							
15	1	172A69-18150	PULLEY ASSY,TENSION	1							
16	2	172A69-18160	PULLEY,TENSION	1							
17	2	22252-000350	RING, 35	1							
18	2	24104-062020	BEARING, 6202UUC3	1							
19	1	172A89-18150	GUARD, BELT	1							
20	1	172A69-18190	V-BELT	1							
21	1	172A69-18290	BAR, ADJUST	1							
22	1	172A69-18350	BRACKET B ASSY	1							
23	1	172A69-18370	BRACKET(PULLY ASSY	1							
24	1	172A69-18401	PLATE	1							
25	1	172187-18410	NUT, PULLEY	1							
26	1	172A69-18430	COLLAR, COMPRESSOR	1							
27	1	129122-44480	JOINT	1							
28	1	129466-96240	SPACER	1							
29	1	22137-080000	WASHER, 8	2							
30	1	22137-100000	WASHER, 10	1							
31	1	23080-018000	CLAMP, 18	4							
32	1	26013-080202	BOLT, M8X 20	2							
33	1	26013-080252	BOLT, M8X 25	2							
34	1	26013-080252	BOLT, M8X 25	1							
35	1	26014-060252	BOLT, M6X 25	2							
36	1	26014-080202	BOLT, M8X 20	2							
37	1	26014-080252	BOLT, M8X 25	2							
38	1	26014-080252	BOLT, M8X 25	2							
39	1	26014-080352	BOLT, M8X 35	1							
40	1	26106-100202	BOLT, M10X 20 PLATED	1							
41	1	26106-100352	BOLT, M10X 35 PLATED	1							
42	1	26450-080502	BOLT, M8X 50	2							
43	1	194202-56460	BAND, 200	1							

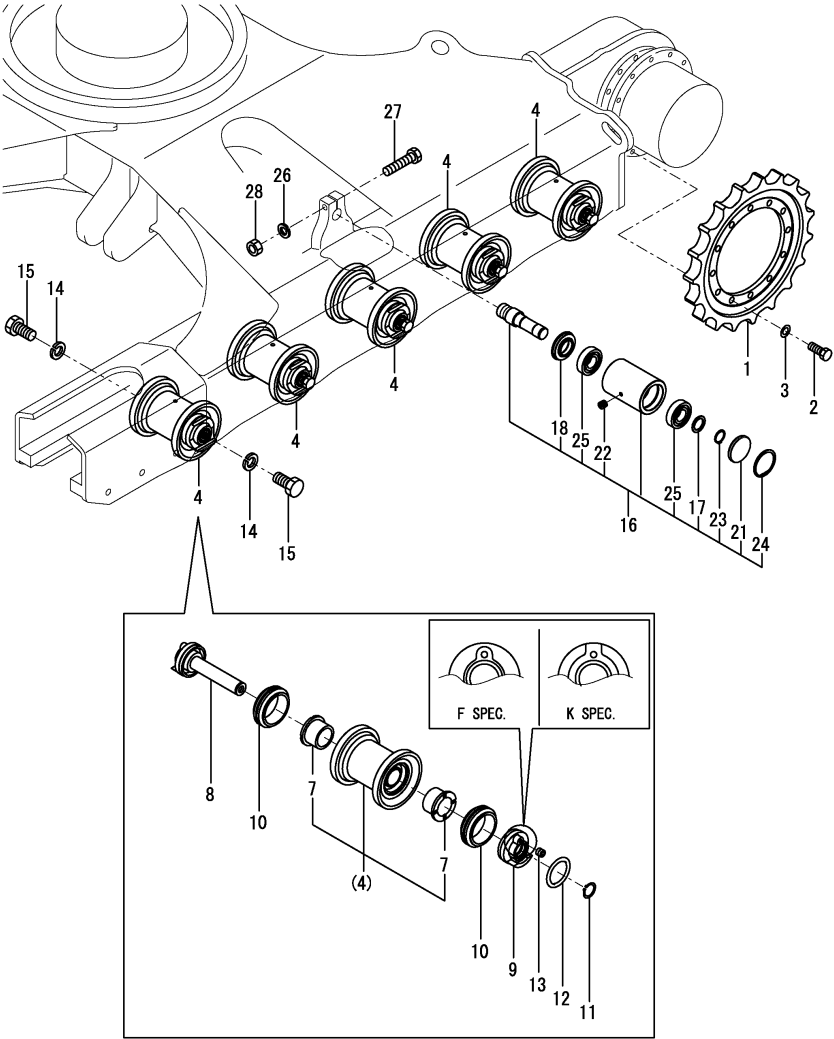
Fig.25. AIR CONDITIONER(CONDENSER RELATED)



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172126-11510	BAND 300	2					
2	1	172126-11510	BAND 300	1					
3	1	172447-13550	MOUNT	4					
4	1	172A69-16570	HARNESS A ASSY,AC	1					
6	2	172648-16600	DIODE	1					
9	1	172162-18040	BRACKET	1					
10	1	172A89-18440	COVER ASSY	1					
12	2	172A89-19690	SEAL	1					
13	2	172458-61490	RUBBER, SEAL 510	1					
14	1	172A89-18580	COVER, HOSE	1					
15	1	172A69-18900	SPONGE, HOSE	1					
16	1	172A69-19541	STAY ASSY	1					
17	1	172A69-19581	STAY	1					
18	1	172A69-19590	BRACKET,AC COND (49)	2					
19	1	172A89-19610	COVER ASSY	1					
20	1	172A89-19670	CONDENSER ASSY	1					
22	2	172A89-19680	SEAL, CONDENCER	1					
23	1	22137-100000	WASHER, 10	3					
24	1	26013-080162	BOLT, M8X 16	2					
25	1	26013-100702	BOLT, M10X 70	3					
26	1	26014-060252	BOLT, M6X 25	1					
27	1	26014-060252	BOLT, M6X 25	1					
28	1	26014-060302	BOLT, M6X 30	2					
29	1	26014-080162	BOLT, M8X 16	2					
30	1	26014-100202	BOLT, M10X 20	4					
31	1	26014-100202	BOLT, M10X 20	6					
32	1	26014-100202	BOLT, M10X 20	1					
33	1	26051-060002	NUT, M6	4					
34	1	26051-080002	NUT, M8	8					

(A)=VIO80(KR)
(B)=
(C)=

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



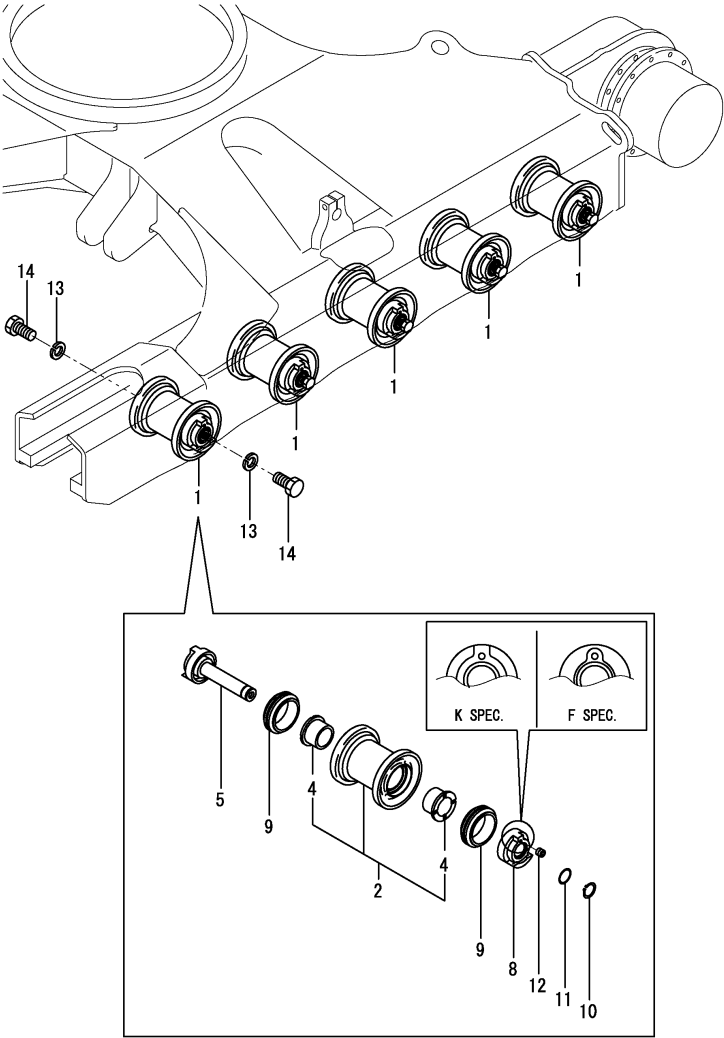
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-29100	SPROCKET, 19	2							
2	1	172455-29140	BOLT	24							
3	1	172455-29150	WASHER	24							
4	1	172478-37302	ROLLER ASSY	10						Z	1
(A=*2014.04)											
7	3	172478-37400	BUSH	20							
8	2	172478-37342	SHAFT ASSY	10							
9	2	172478-37372	COVER, SEAL	10							
10	2	172478-37380	SEAL, FLOATING	20							
11	2	22242-000380	RING, 38	10							
12	2	24311-000340	O-RING, 1AP34.0	10							
13	2	933171-13691	PLUG	10							
14	1	22217-200000	WASHER, SPRING 20	20							
15	1	26076-200409	BOLT, 10.920X 40	20							
16	1	172A89-37500	ROLLER ASSY, CARRIER	2							
17	2	172730-31630	COLLAR	2							
18	2	172164-37120	SEAL, OIL	2							
21	2	172A89-37530	CAP,SEALING 72	2							
22	2	194630-42120	PLUG, PT1/8	2							
23	2	22242-000350	RING, 35	2							
24	2	22252-000720	RING, 72	2							
25	2	24101-062074	BEARING, BALL 6207	4							
26	1	22217-160000	WASHER, SPRING 16	2							
27	1	26116-160852	BOLT, M16X 85 PLATED	2							
28	1	26716-160002	NUT, M16	2							

Remarks
(1)Replacement with Fig.124(26A) No1.
The inner parts are not compatible.

Fig.124. (26A)TRACK ROLLER(K SPEC.)

(A)=VIO80(KR)
(B)=
(C)=

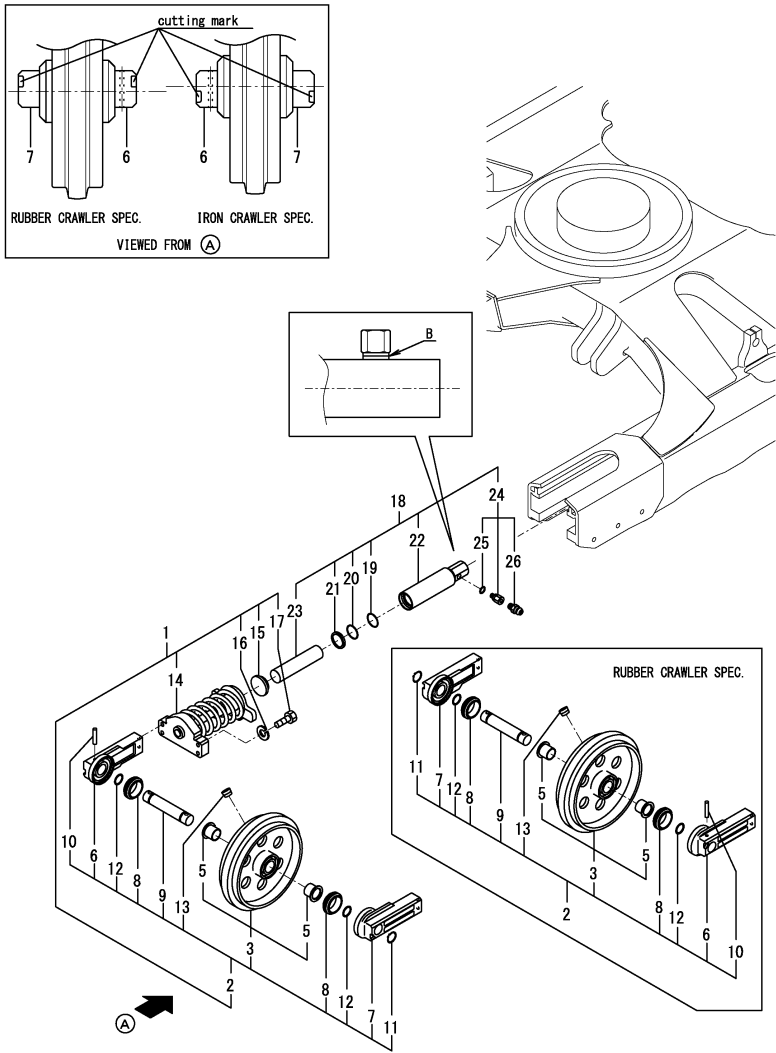
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-37300	ROLLER ASSY, LOWER	10						W	1
(A=*2014.04)											
2	2	172B11-37310	ROLLER ASSY, LOWER	10							
4	3	172B11-37330	BUSH	20							
5	2	172B11-37340	SHAFT ASSY	10							
8	2	172B11-37370	COVER, SEAL R	10							
9	2	172B11-37380	SEAL, FLOATING	20							
10	2	22242-000380	RING, 38	10							
11	2	24321-000350	O-RING, 1AG35.0	10							
12	2	933171-13691	PLUG	10							
13	1	22217-200000	WASHER, SPRING 20	20							
14	1	26076-200409	BOLT, 10.920X 40	20							

Remarks
* Track roller(f spec.) are shown in Fig.26.
The inner parts are not compatible.

Fig.27. IDLER & ADJUST



(A)=VIO80(KR)
(B)=
(C)=

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

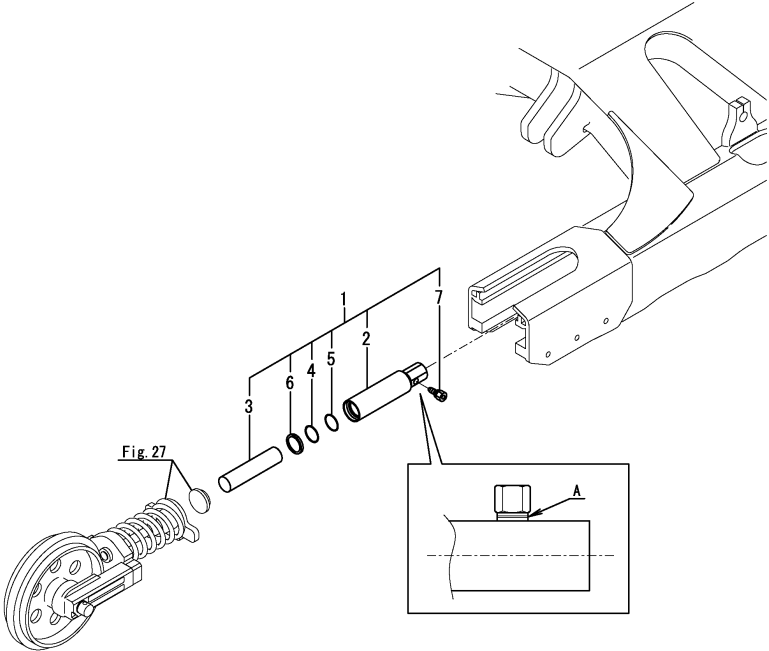
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772478-37120-1	IDLER ASSY	2							
2	2	772478-37101-2	IDLER ASSY	2							1
3	3	172478-37101-2	IDLER ASSY	2							
5	4	172478-37121	BUSH, IDLER	4							
6	3	172478-37141	COVER, SEAL	2							
7	3	172478-37151	COVER, SEAL	2							
8	3	172455-37160	SEAL, FLOATING	4							
9	3	172455-37170	SHAFT, IDLER	2							
10	3	172455-37180	PIN, SPRING	2							
11	3	22242-000400	RING, 40	2							
12	3	24311-000380	O-RING, 1AP38.0	4							
13	3	933171-13691	PLUG	2							
14	2	172187-37700-3	ADJUSTER ASSY	2							
15	2	172162-37810	PLATE, ADJUSTER	2							
16	2	22217-140000	WASHER, SPRING 14	8							
17	2	26116-140602	BOLT, M14X 60 PLATED	8							
18	1	772162-37770	CYLINDER ASSY	2						Z	2
(A=*2016.05)											
19	2	198072-17440	O-RING, 55.0	2							
20	2	172478-37710	RING, BUCK UP	2							
21	2	172478-37720	SEAL, DUST	2							
22	2	172162-37770	TUBE ASSY, ADJUST	2							
23	2	172162-37800	PISTON	2							
24	2	172122-37844	VALVE ASSY, NIPPLE	2							
25	3	24315-000140	O-RING, 1BP14.0	2							
26	3	24761-020000	NIPPLE, GREASE PT1/8	2							

Remarks
* B : Y specifications have a slit for the identification.
S specifications do not have a slit for the identification.
S specifications are shown in Fig.128(27A).
(1)This part is used both rubber crawler & iron crawler.
When constructing Idler Assy, The direction of cutting mark of idler seal cover A & B is the opposite side concerning rubber crawler & iron crawler.
(2)Interchangeable by Fig.128(27A) No.1.
The inner parts are not compatible.

Fig.128. (27A)CRAWLER ADJUST(S SPEC.)

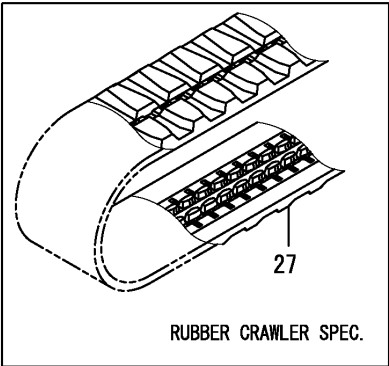
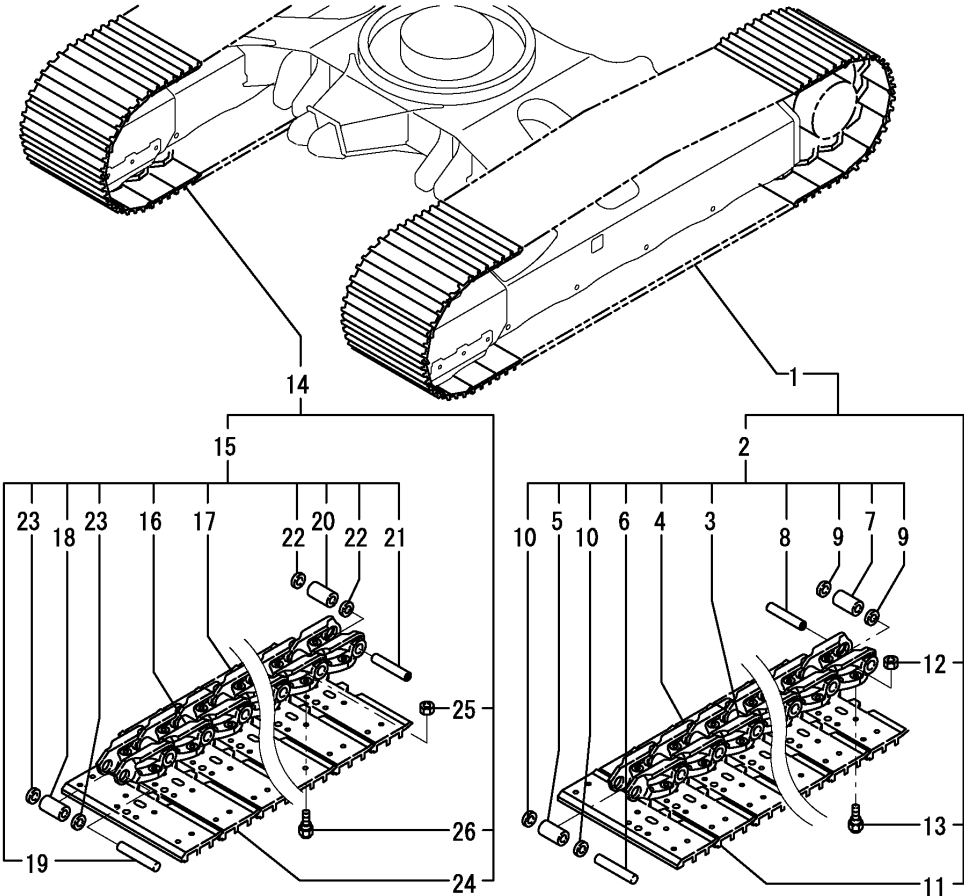
(A)=VIO80(KR)
(B)=
(C)=

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



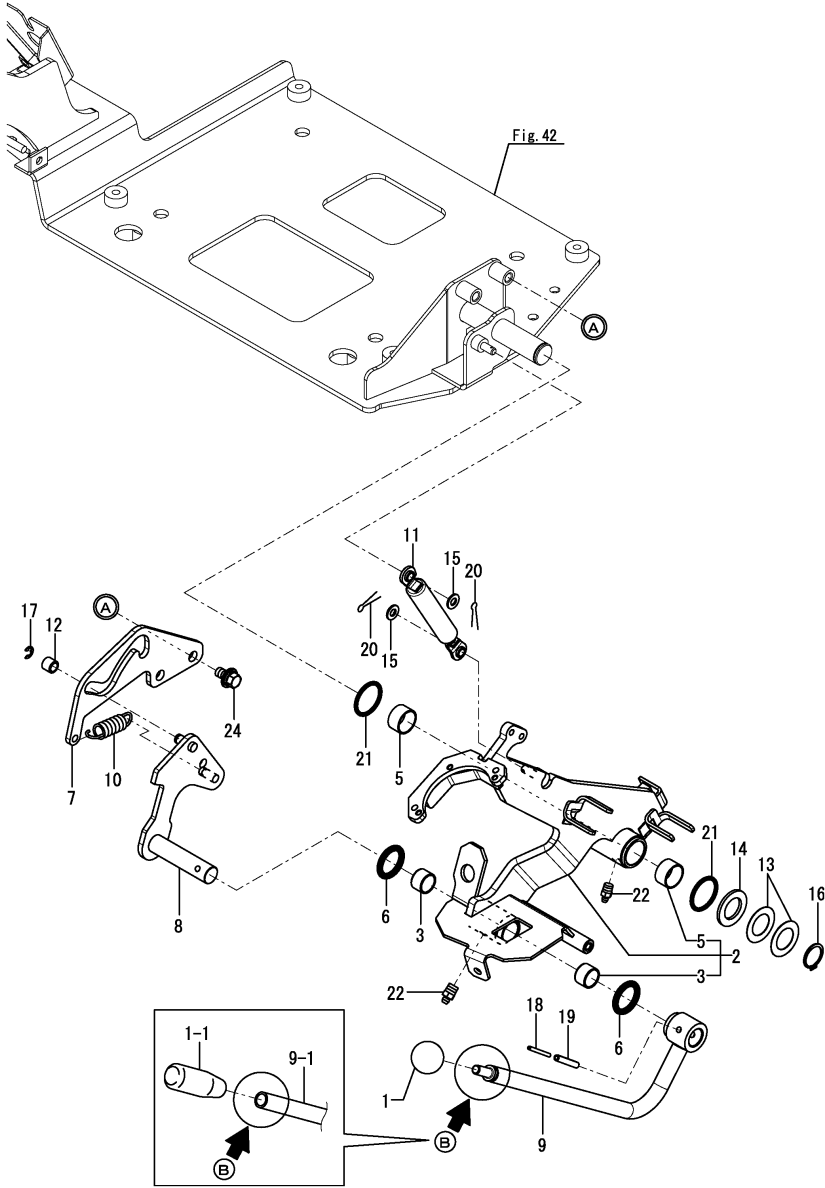
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-37750	CYLINDER ASSY, ADJUS	2							W
		(A=*2016.05)									
2	2	172B11-37760	TUBE ASSY,ADJUST	2							
3	2	172B11-37790	PISTON	2							
4	2	172B11-37800	RING, BACK UP	2							
5	2	172B11-37810	SEAL, ISI 55X65X6	2							
6	2	172B11-37820	SEAL, DUST55X69X11	2							
7	2	172B06-37951	NIPPLE, VALVE	2							

Remarks
* A : Y specifications have a slit for the identification.
S specifications do not have a slit for the identification.
Y specifications are shown in Fig.27.
The inner parts are not compatible.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-38100	SHOE ASSY, TRACK 450	1							
2	2	172A89-38120	LINK ASSY	1							
3	3	172A89-38180	LINK, TRACK L	39							
4	3	172A89-38190	LINK, TRACK R	39							
5	3	172A89-38220	BUSH, TRUCK	38							
6	3	172A89-38230	PIN, TRUCK	38							
7	3	172A89-38240	BUSH, MASTER	1							
8	3	172A89-38250	PIN,MASTER	1							
9	3	172A89-38260	COLLAR	2							
10	3	172A89-38280	SEAL	76							
11	2	172A89-38130	SHOE,TRUCK 450 L(49)	39							
12	2	172A89-38160	NUT, SHOE	156							
13	2	172A89-38170	BOLT,SHOE	156							
14	1	172A89-38110	SHOE ASSY, TRACK 450	1							
15	2	172A89-38120	LINK ASSY	1							
16	3	172A89-38180	LINK, TRACK L	39							
17	3	172A89-38190	LINK, TRACK R	39							
18	3	172A89-38220	BUSH, TRUCK	38							
19	3	172A89-38230	PIN, TRUCK	38							
20	3	172A89-38240	BUSH, MASTER	1							
21	3	172A89-38250	PIN,MASTER	1							
22	3	172A89-38260	COLLAR	2							
23	3	172A89-38280	SEAL	76							
24	2	172A89-38140	SHOE,TRUCK 450 R(49)	39							
25	2	172A89-38160	NUT, SHOE	156							
26	2	172A89-38170	BOLT,SHOE	156							
27	1	172488-38600	CRAWLER, RUBBER 450	2							

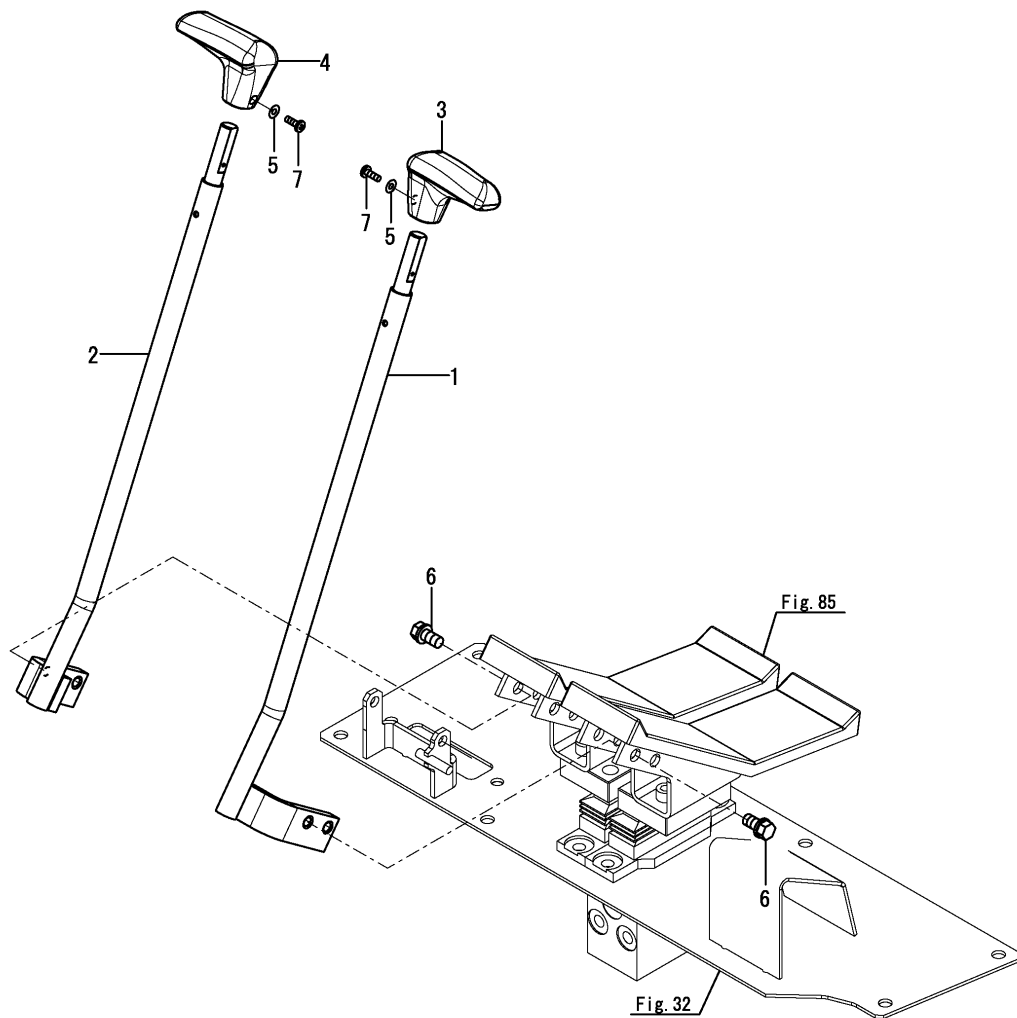
Fig.29. CONTROL EQUIPMENT(LOCK LEVER & LEVER STAND)



Remarks
(1)B=REF.NO.9 M10 SCREW,
NO.9-1 NO SCREW.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH RE.NO.1-1.

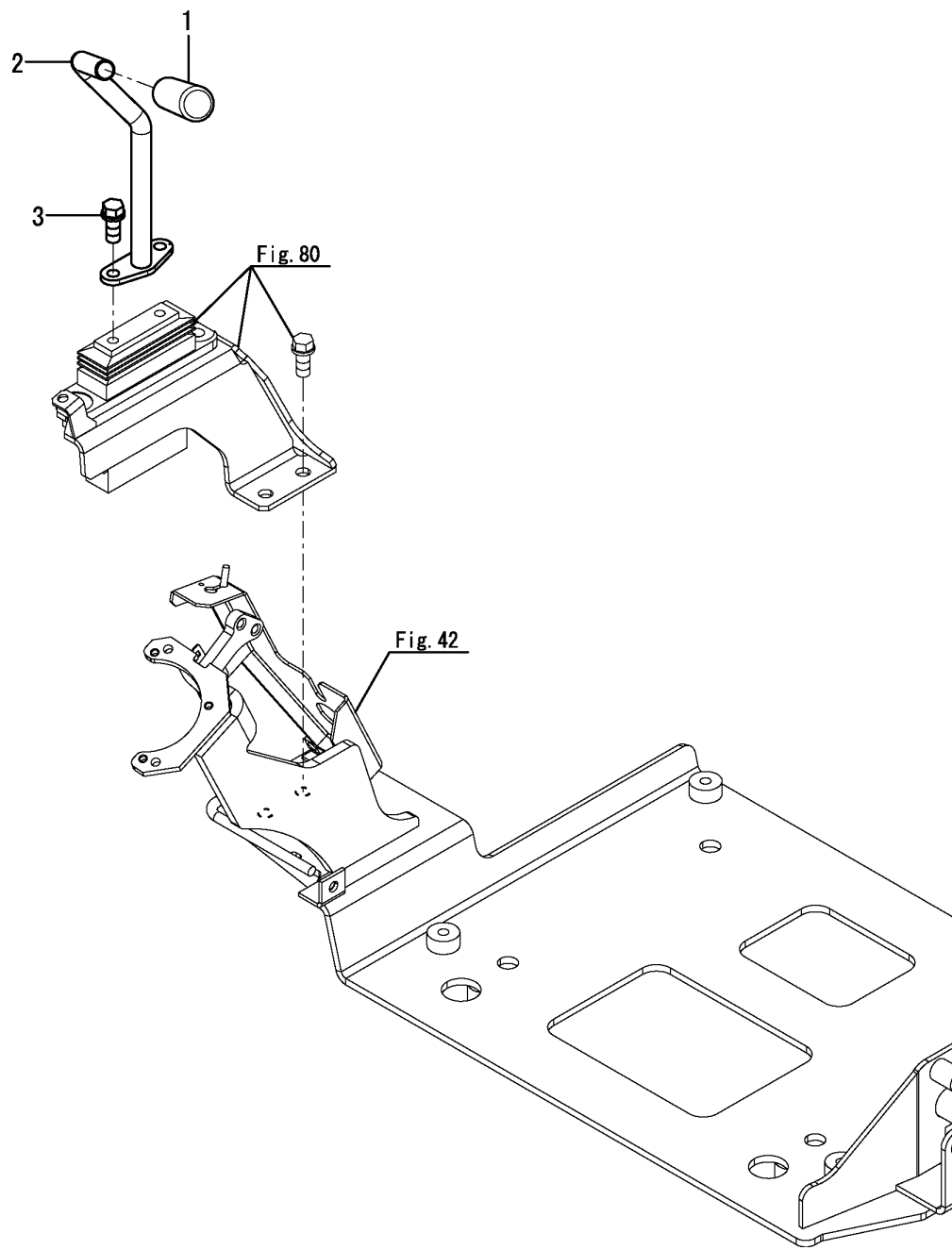
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP	1							
1-1	1	172A77-46050	GRIP	1							S
(A=MZZZZZ)											
2	1	172A69-46101	STAND ASSY, LEVER	1							
3	2	172141-41370	BUSH 2015	2							
5	2	24550-025150	BUSH, 25X15	2							
6	1	172124-46200	O-RING	2							
7	1	172A69-46210	GUIDE, LOCK	1							
8	1	172A69-46220	ROD,ASSY SPRING (49)	1							
9	1	172A69-46250	LEVER ASSY,LOCK (49)	1							
9-1	1	172A69-46251	LEVER ASSY,LOCK	1						F	1
(A=MZZZZZ)											
10	1	172A69-46270	SPRING	1							
11	1	172455-46890	SPRING, GAS	1							
12	1	172165-47550	BUSH	1							
13	1	172165-47980	SHIM	2							
14	1	172165-47990	WASHER 25.5X42	1							
15	1	22137-080000	WASHER, 8	2							
16	1	22242-000250	RING, 25	1							
17	1	22272-000070	RING, E- 7	1							
18	1	22351-035040	PIN, SPRING 3.5X40	1							
19	1	22351-060040	PIN, SPRING 6.0X40	1							
20	1	22417-200200	PIN, COTTER 2.0X20	2							
21	1	24311-000340	O-RING, 1AP34.0	2							
22	1	24761-020000	NIPPLE, GREASE PT1/8	2							
24	1	26014-100202	BOLT, M10X 20	2							

Fig.30. CONTROL EQUIPMENT(TRAVEL)

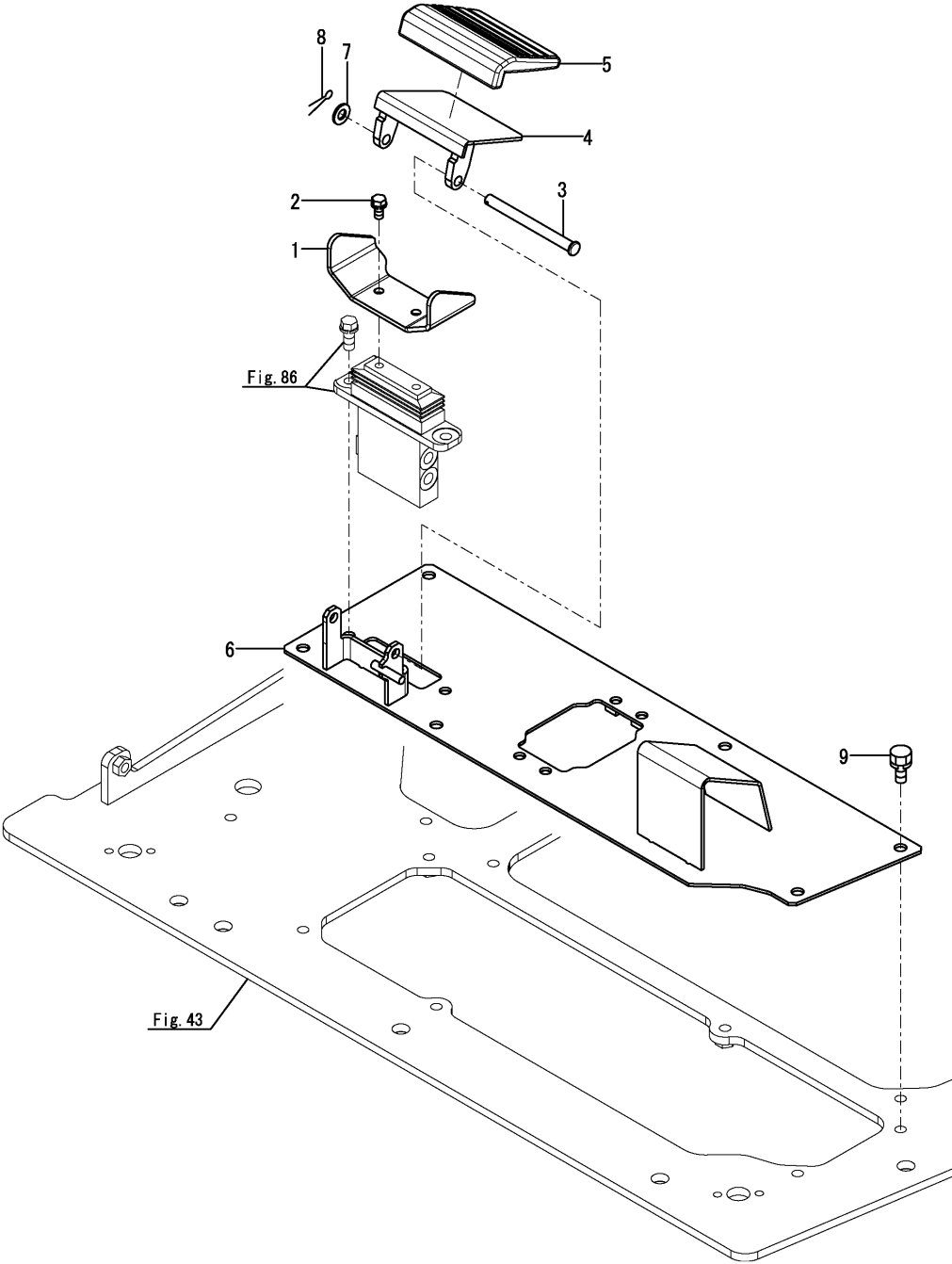


				(A)=VIO80(KR)		(D)=							
				(B)=		(E)=							
				(C)=		(F)=							
No.	Lev.	Parts No.	Description		(A)	(B)	Q'ty	(C)	(D)	(E)	(F)	I	R
1	1	172A69-45211	LEVER L ASSY,TRACK		1								
2	1	172A69-45251	LEVER R ASSY,TRACK		1								
3	1	172187-45870	GRIP, DRIVE		1								
4	1	172187-45880	GRIP, DRIVE		1								
5	1	22117-040000	WASHER, 4		2								
6	1	26013-100202	BOLT, M10X 20		4								
7	1	26587-040122	SCREW, M4X12		2								

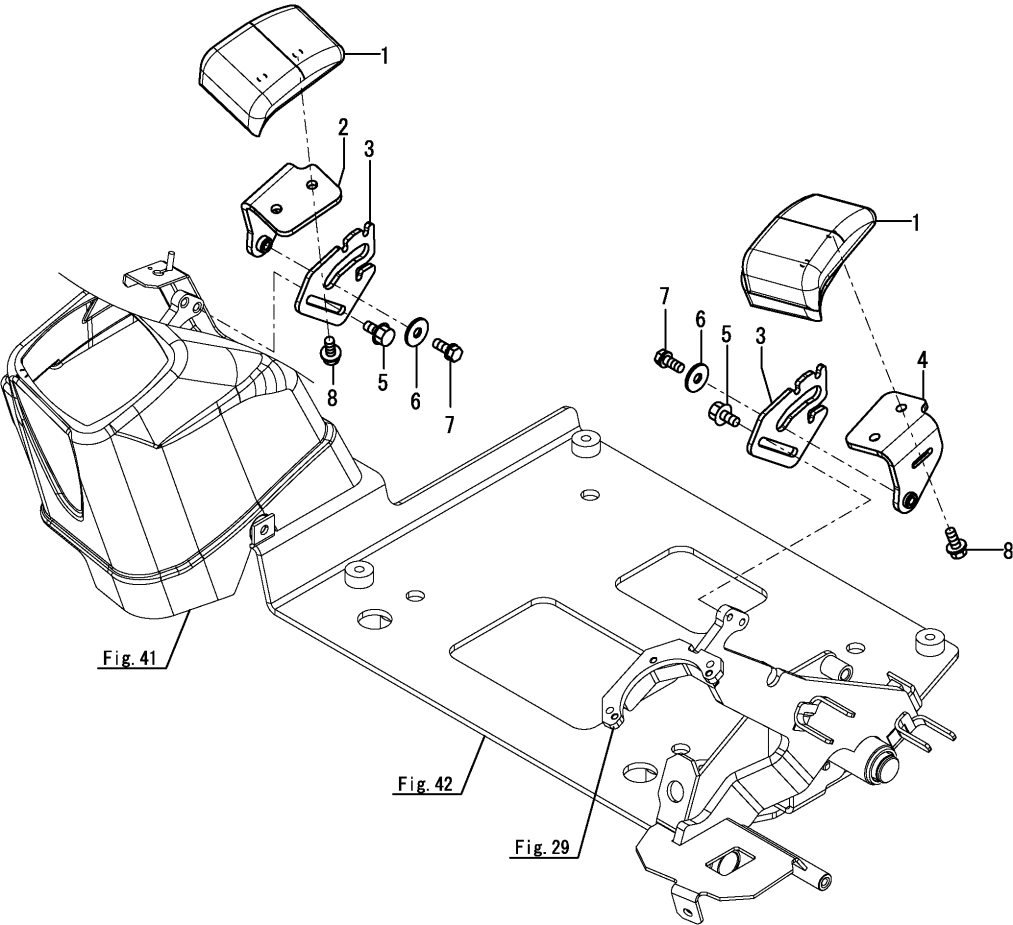
Fig.31. CONTROL EQUIPMENT(BLADE)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172964-12140	GRIP	1							
2	1	172A69-45850	LEVER ASSY,BLADE(49)	1							
3	1	26013-080162	BOLT, M8X 16	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-45350	PEDAL, SWING (49)	1							
2	1	26013-080162	BOLT, M8X 16	2							
3	1	172187-45651	SHAFT	1							
4	1	172187-45720-2	COVER, PEDAL	1							
5	1	172187-45760	COVER PAD	1							
6	1	172A69-45800	PLATE, PEDAL EX (49)	1							
7	1	22137-100000	WASHER, 10	1							
8	1	22417-250200	PIN, COTTER 2.5X20	1							
9	1	26013-100252	BOLT, M10X 25	6							

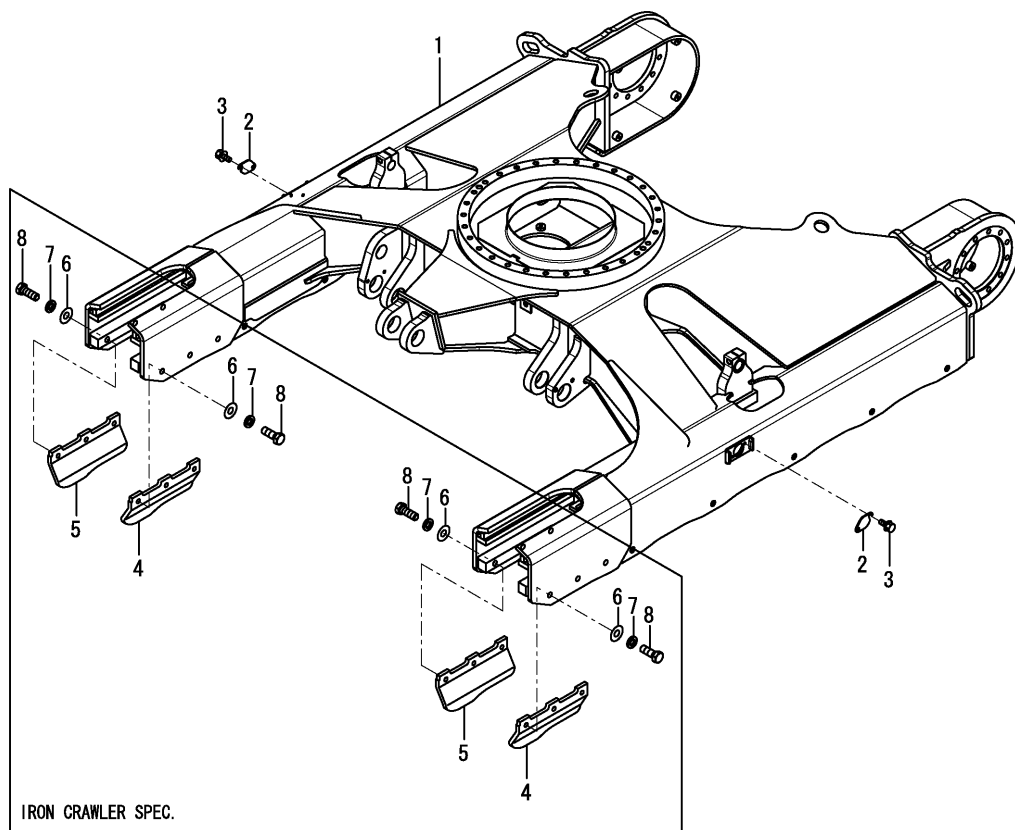


(A)=VIO80(KR)
(B)=
(C)=

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

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

Fig.34. TRAVEL FRAME



(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	172A89-50100	FRAME ASSY	1						
1-1	1	172B11-50100	FRAME ASSY, LOWER	1						N
		(A=MZZZZZ)								
2	1	172458-50480-2	COVER, FRAME	2						
3	1	26106-100122	BOLT, M10X 12 PLATED	4						
4	1	172187-50801-3	PLATE, GUARD	2						1
5	1	172187-50811-3	PLATE, GUARD	2						1
6	1	22137-160000	WASHER, 16	12						1
7	1	22217-160000	WASHER, SPRING 16	12						1
8	1	26116-160402	BOLT, M16X 40 PLATED	12						1

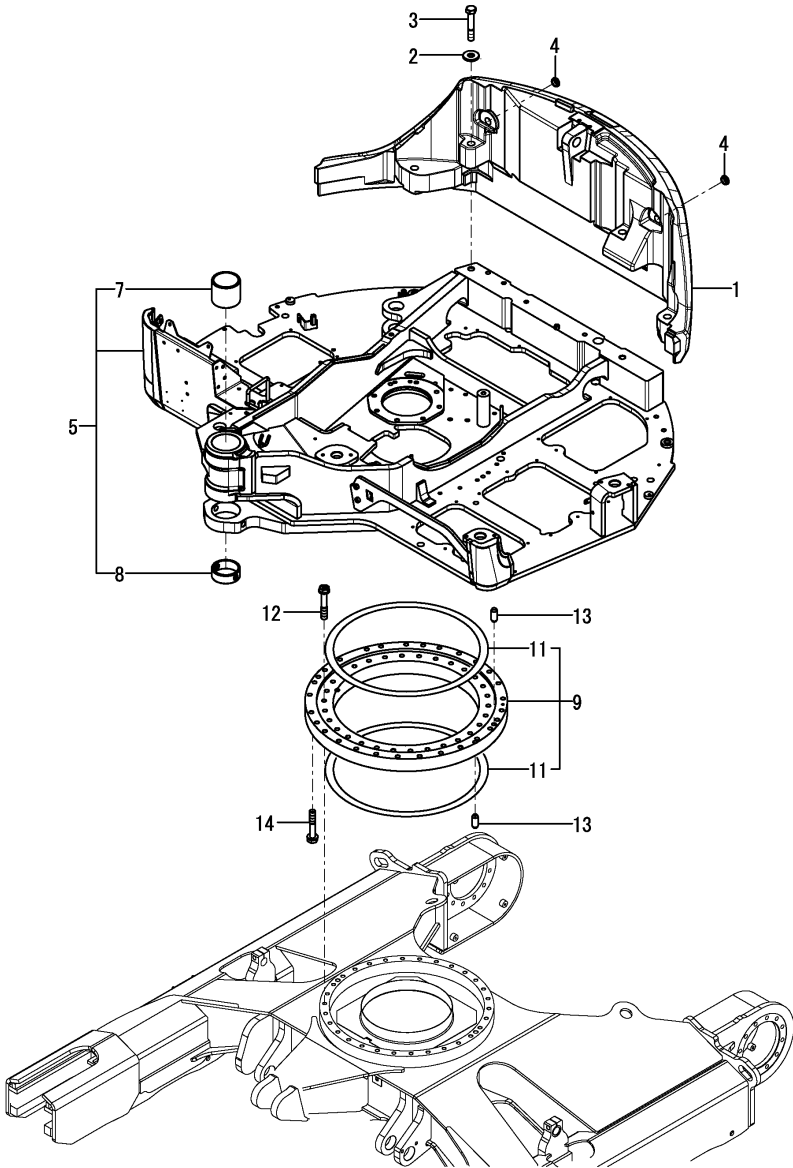
Remarks
(1)IRON CRAWLER SPEC.

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

Fig.35. TURNING FRAME & TURNING BEARING)

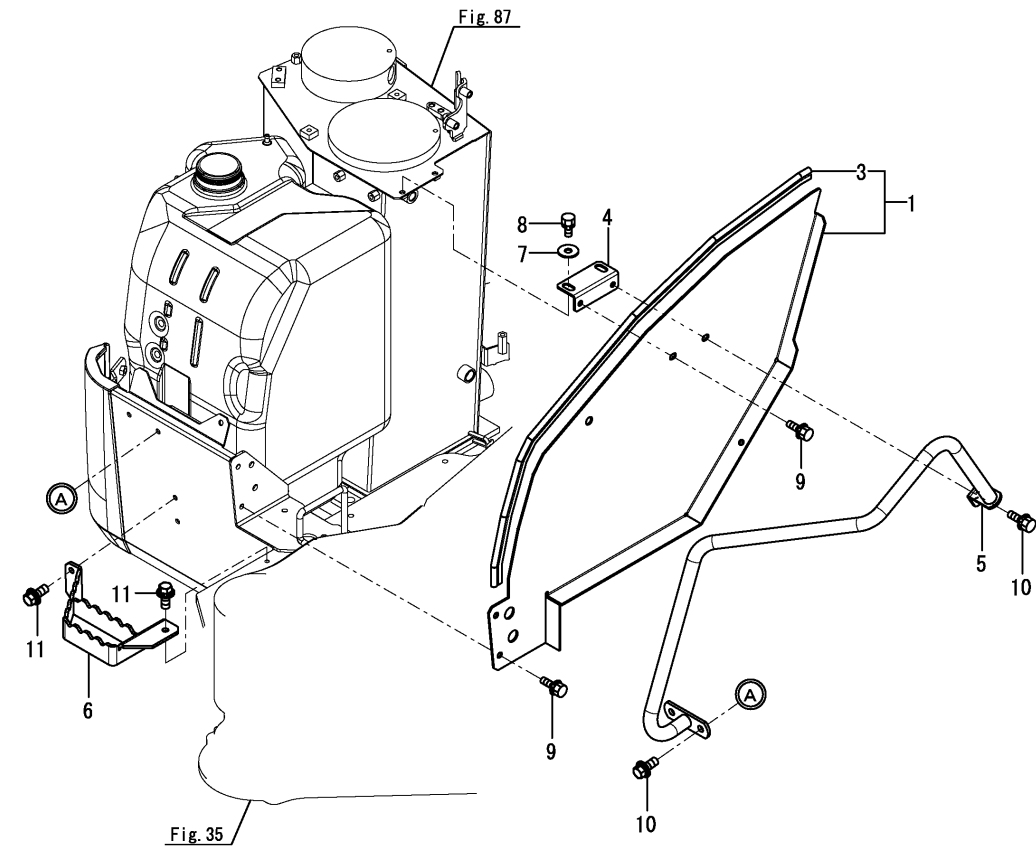
(A)=VIO80(KR)
(B)=
(C)=

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

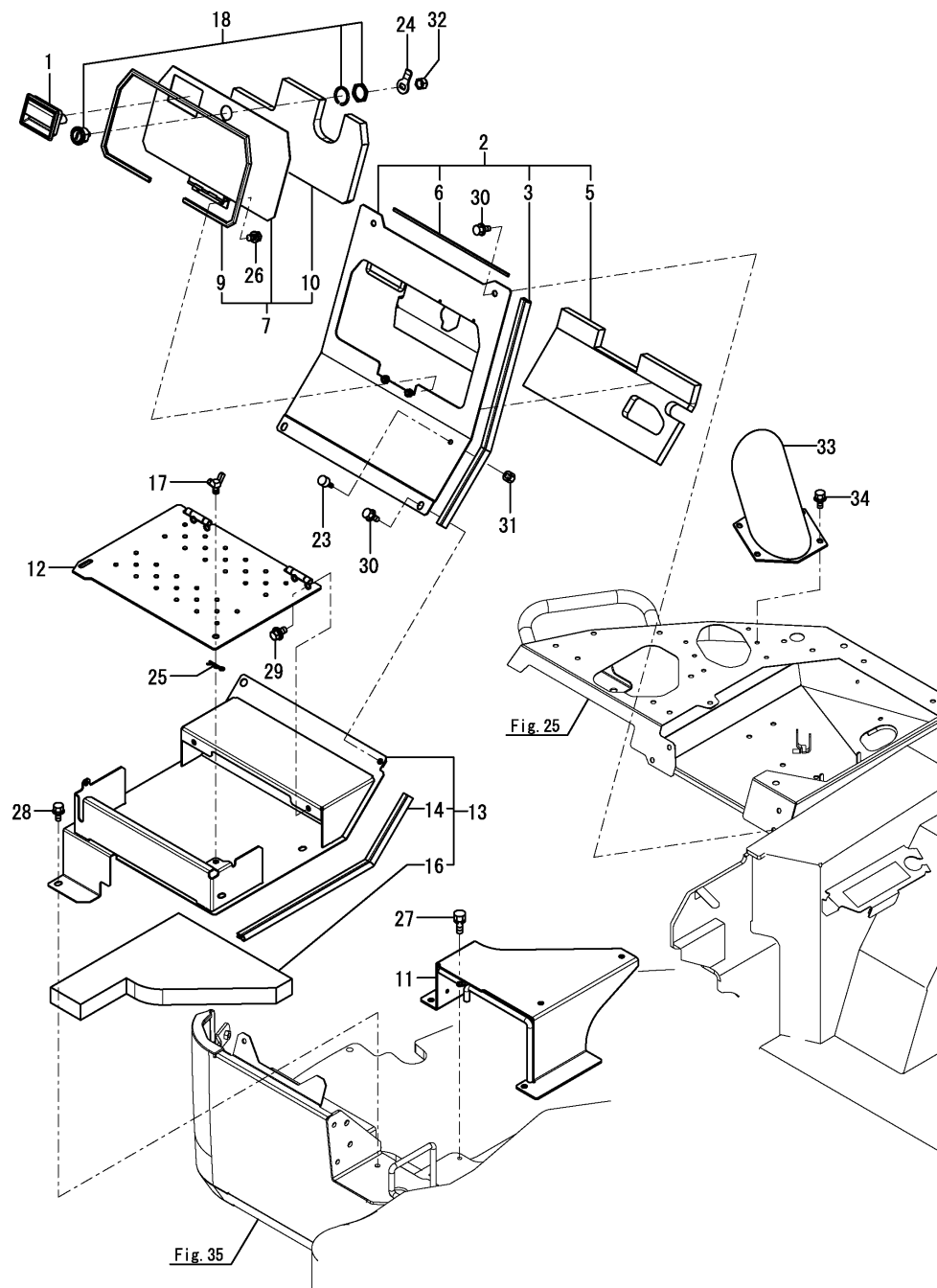


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-53310	WEIGHT, COUNTER	1							
2	1	172187-53321	WASHER 24.5X65X8	4							
3	1	172455-53331	BOLT 24X140	4							
4	1	172456-53700	GROMMET	2							
5	1	172A89-54100	FRAME,TURNING (49)	1							
7	2	172A89-54500	BUSH 100X100	1							
8	2	172187-54760	BUSH 100X40	1							
9	1	172A89-57600	BEARING ASSY,SWING	1							
11	2	172A89-57620	SEAL	2							
12	1	172A69-57650	BOLT 10.9 16X90	30							
13	1	172162-57660	PIN 16X40,STRAIGHT	4							
14	1	172A69-57660	BOLT 10.9 16X85	28							

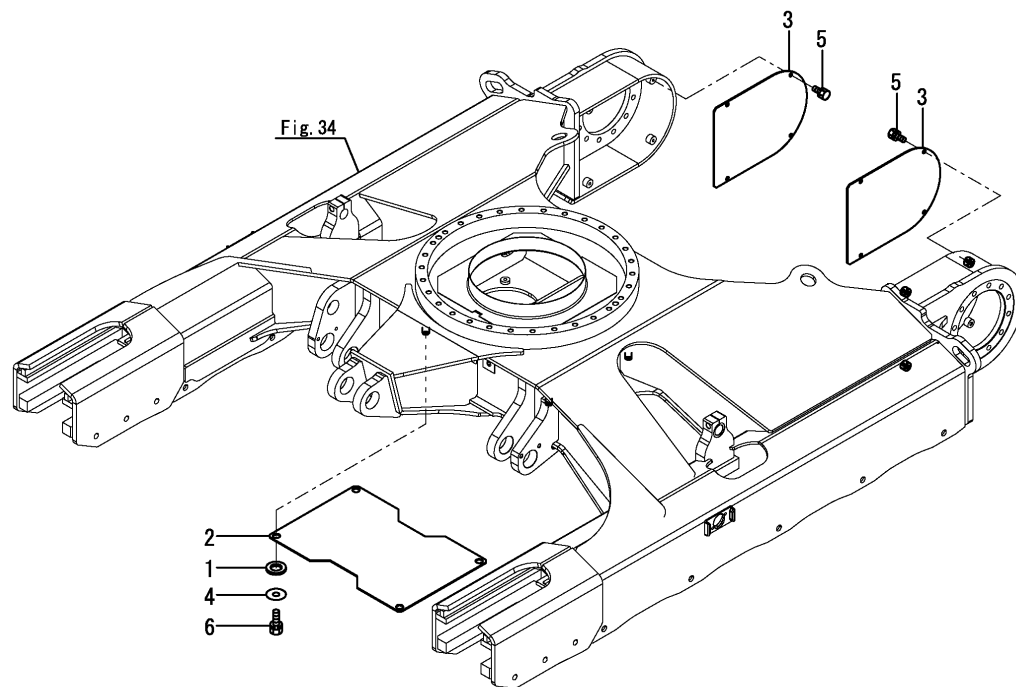
Fig.36. COVER(FUEL TANK SIDE)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-61600	COVER ASSY, FUEL	1							
1-1	1	172A89-61600-Y	COVER ASSY, FUEL	1						S	
(A=M92001)											
3	2	172A69-61650	SEAL	1							
4	1	172A69-61660	STAY ASSY	1							
5	1	172A69-61830	GRIP ASSY	1							
5-1	1	172A69-61830-Y	GRIP ASSY	1						S	
(A=M92001)											
6	1	172A69-62050	STEP ASSY	1							
7	1	22157-100000	WASHER, 10	2							
8	1	26013-100252	BOLT, M10X 25	2							
9	1	26014-100252	BOLT, M10X 25	3							
10	1	26014-100252	BOLT, M10X 25	3							
11	1	26014-100252	BOLT, M10X 25	3							

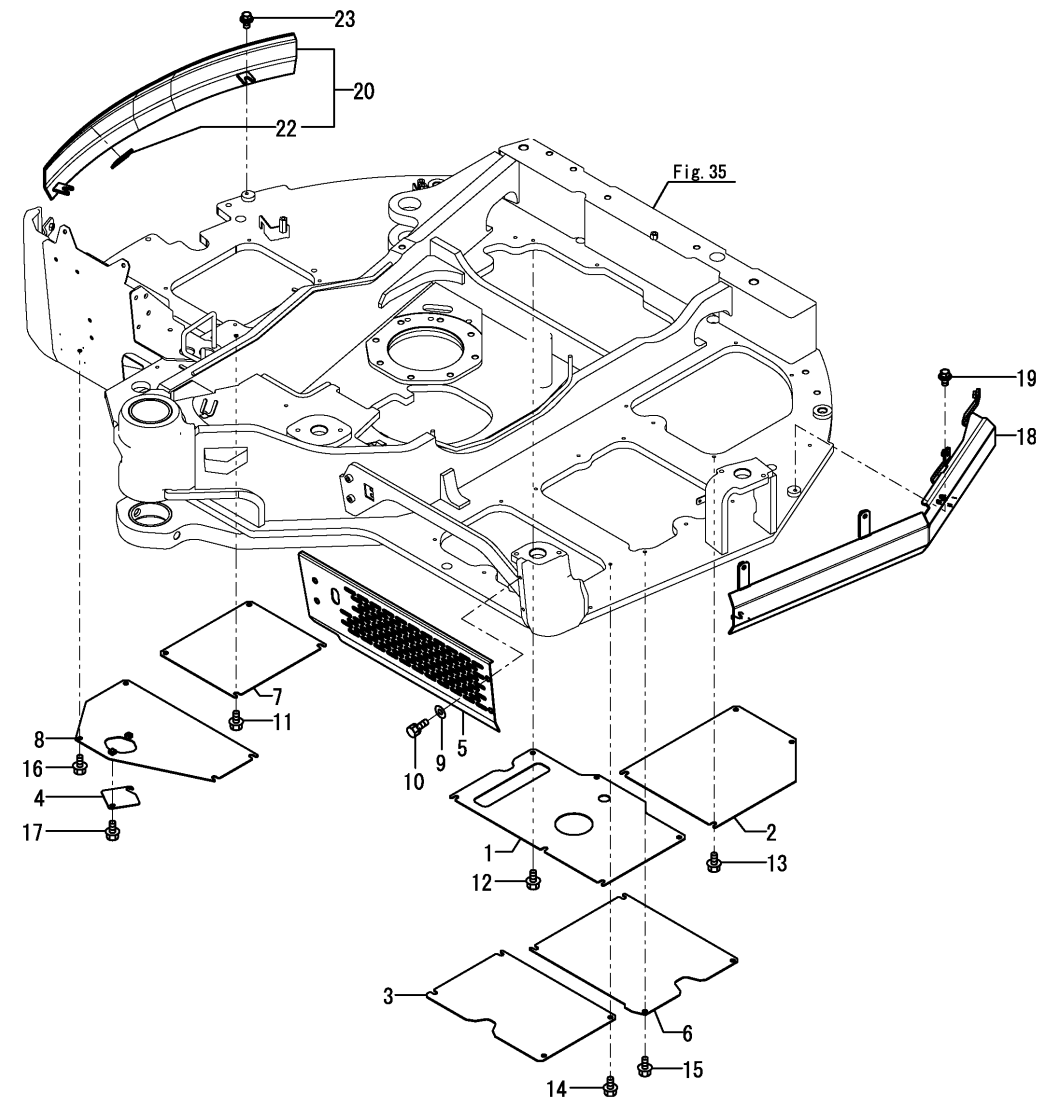


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1							
2	1	172A89-61680	COVER ASSY	1							
2-1	1	172A89-61680-Y	COVER ASSY	1							S
		(A=M92001)									
3	2	172A69-13690	SEAL	1							
5	2	172A89-61720	SPONGE	1							
6	2	172A89-61730	SEAL, 340	1							
7	1	172A89-61740	COVER ASSY, ENGINE	1							
7-1	1	172A89-61740-Y	COVER ASSY, ENGINE	1							S
		(A=M92001)									
9	2	172A69-61780	SEAL	1							
10	2	172A89-61790	SPONGE	1							
11	1	172A89-61800	BRACKET ,COVER (49)	1							
12	1	172A89-61880	COVER ASSY, TOOL BOX	1							
13	1	172A89-61900	BASE ,TOOL BOX (49)	1							
14	2	172A69-13690	SEAL	1							
16	2	172A89-61980	SPONGE	1							
17	1	172142-62301	BOLT, WING	1							
18	1	172164-66170	KEY ASSY, CYLINDER	1							
23	1	172176-67150	RUBBER, STOPPER	1							
24	1	172162-69470	PLATE, LOCK	1							
25	1	22372-100000	PIN, SNAP 10	1							
26	1	26013-080122	BOLT, M8X 12	2							
27	1	26014-100202	BOLT, M10X 20	3							
28	1	26014-100202	BOLT, M10X 20	3							
29	1	26014-100202	BOLT, M10X 20	2							
30	1	26014-100202	BOLT, M10X 20	4							
31	1	26051-080002	NUT, M8	1							
32	1	26347-100002	NUT, M10	1							
33	1	172455-65701	COVER ASSY	1							
34	1	26014-080162	BOLT. M8X 16	4							



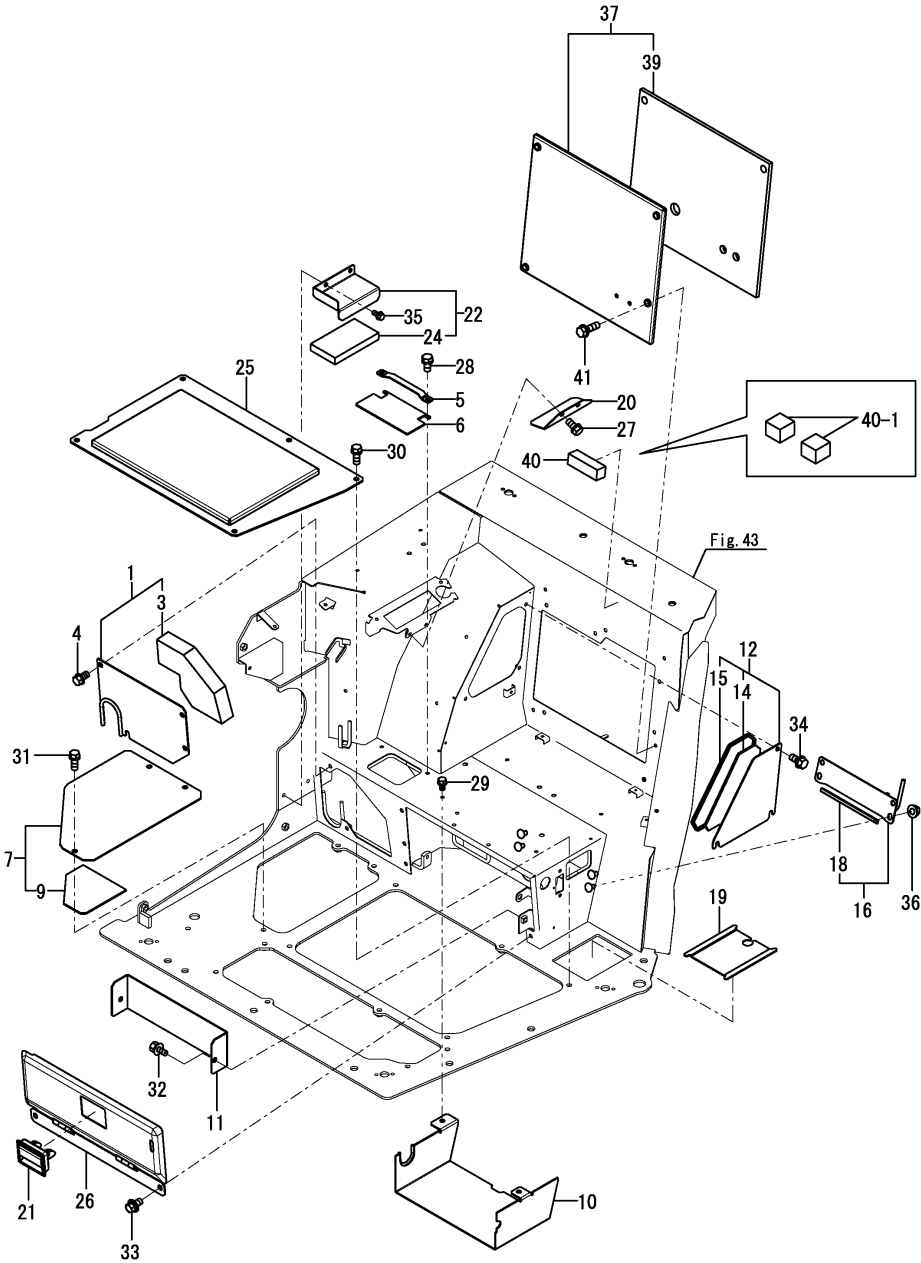
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172162-61500	TRIM	4							
2	1	172187-61500-3	COVER	1							
3	1	172A89-61540	COVER, TRAVEL	2							
4	1	22157-120000	WASHER, 12	4							
5	1	26013-100202	BOLT, M10X 20	8							
6	1	26013-120302	BOLT, M12X 30	4							

Fig.40. COVER(TURNING FRAME)



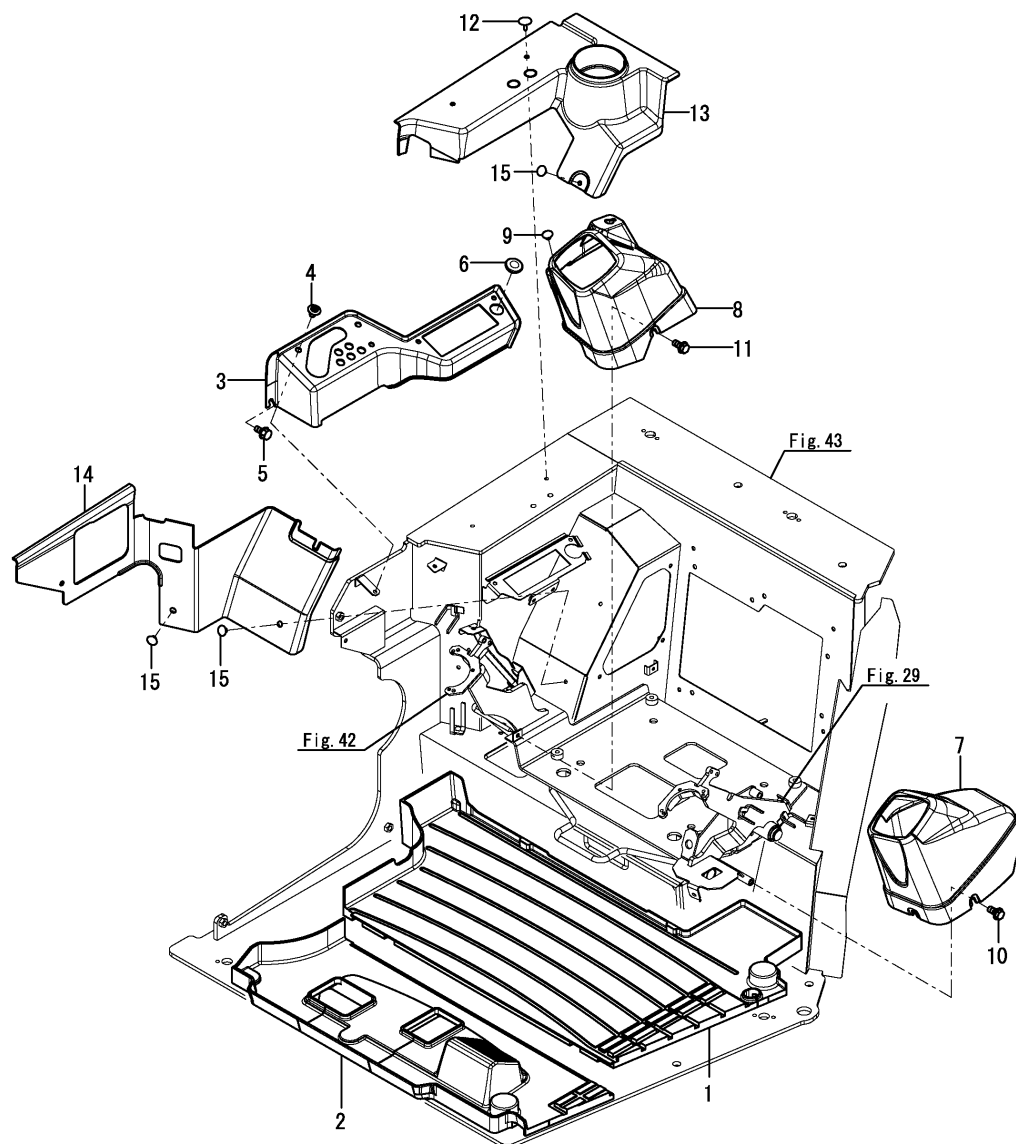
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-61500	COVER, OIL SUMP	1							
2	1	172A89-61510	COVER, PUMP	1							
3	1	172A69-61520	COVER	1							
3-1	1	172A89-61520	COVER, A C/V	1							N
(A=M92192)											
4	1	172A89-61530	COVER, DRAIN	1							
5	1	172A89-61550	COVER, FRAME	1							
6	1	172A69-61560	COVER	1							
7	1	172A89-61570	COVER, RESERVOIR	1							
8	1	172A89-61580	COVER ASSY, FUEL	1							
8-1	1	172A89-61581	COVER ASSY,FO	1							N
(A=*2019.06)											
9	1	22137-100000	WASHER, 10	4							
10	1	26013-100162	BOLT, SPRING M10X 16	4							
11	1	26106-100162	BOLT, M10X 16 PLATED	4							
12	1	26106-100162	BOLT, M10X 16 PLATED	6							
13	1	26106-100162	BOLT, M10X 16 PLATED	4							
14	1	26106-100162	BOLT, M10X 16 PLATED	4							
15	1	26106-100162	BOLT, M10X 16 PLATED	4							
16	1	26106-100162	BOLT, M10X 16 PLATED	4							
17	1	26106-100162	BOLT, M10X 16 PLATED	2							
18	1	172A89-61350	FRAME, GUARD L (49)	1							
19	1	26014-100252	BOLT, M10X 25	2							
20	1	172A89-61500	FRAME, GUARD R (49)	1							
22	2	172A89-61470	RUBBER, PLATE	1							
23	1	26014-100252	BOLT, M10X 25	2							

OCS10-M55800 AROUND SEAT
Fig.38. COVER(SEAT MOUNT)



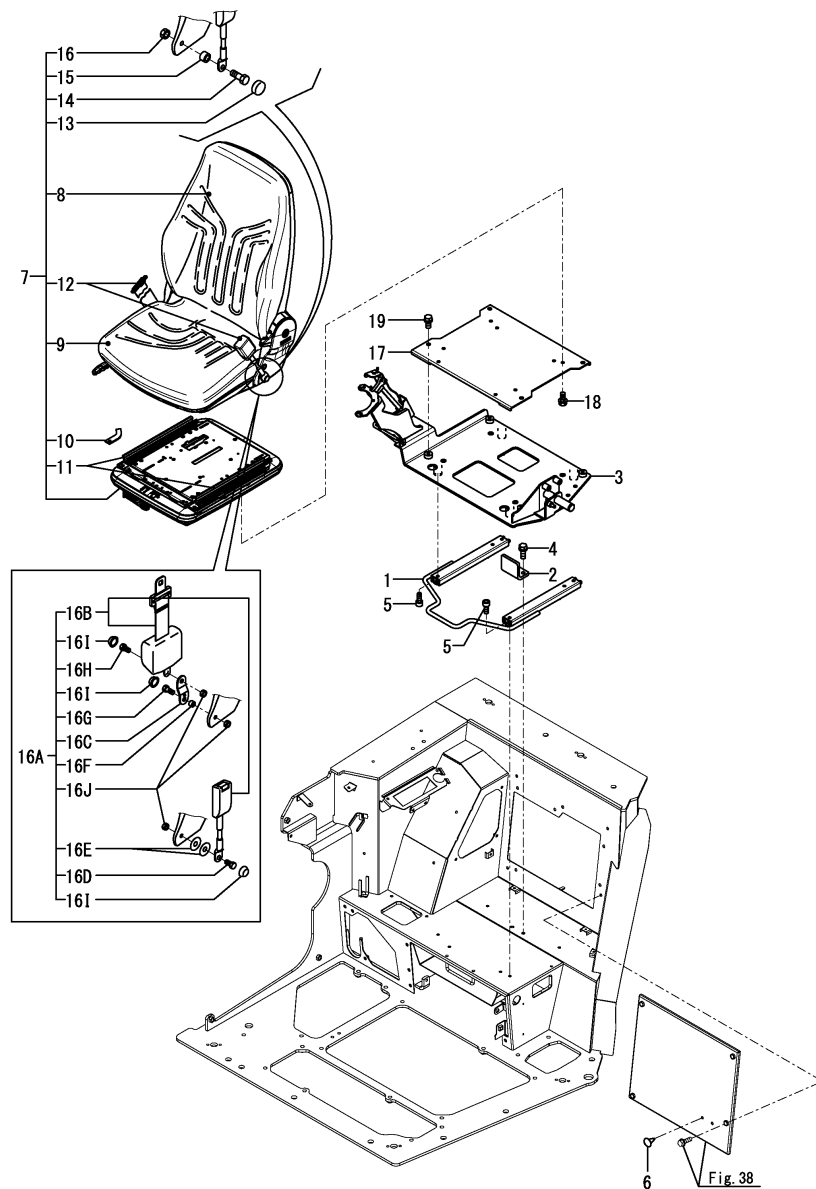
Remarks
(1)30X30X100
(2)40X50X50

OCS10-M55800 Fig.38											
			(A)=VIO80(KR)	(D)=							
			(B)=	(E)=							
			(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-61240	COVER ASSY, HOSE	1							
3	2	172A69-61280	SPONGE	1							
4	1	26106-100162	BOLT, M10X 16 PLATED	4							
5	1	172A69-61010	BRACKET, PLATE	1							
6	1	172A69-61020	PLATE, RUBBER	1							
7	1	172A89-61010	PLATE A ASSY	1							
9	2	172A89-61020	RUBBER, PLATE A	1							
10	1	172A89-61030	PLATE ASSY,MANUAL	1							
11	1	172A89-61060	COVER, TRAY	1							
12	1	172A89-61130	COVER ASSY, MOUNT	1							
14	2	172A69-61150	WOOL, GLASS	1							
15	2	172A89-61220	SEAL, COVER	1							
16	1	172A89-61150	COVER ASSY, HOSE	1							
18	2	172434-61180	TRIM	1							
19	1	172A89-61180	COVER, MULTI	1							
20	1	172A69-61330	COVER, HARNESS	1							
21	1	172187-61421	HANDLE, LOCK	1							
22	1	172A89-61420	COVER ASSY	1							
24	2	172A89-61440	SPONGE	1							
25	1	172A69-62210	STEP ASSY	1							
26	1	172A69-64760	COVER ASSY	1							
27	1	26013-080162	BOLT, M8X 16	2							
28	1	26013-080162	BOLT, M8X 16	2							
29	1	26013-100162	BOLT, M10X 16	2							
30	1	26013-100252	BOLT, M10X 25	5							
31	1	26013-100252	BOLT, M10X 25	3							
32	1	26014-100202	BOLT, M10X 20	2							
33	1	26014-100202	BOLT, M10X 20	2							
34	1	26106-080162	BOLT, M8X 16 PLATED	3							
35	1	26106-080162	BOLT, M8X 16 PLATED	2							
36	1	26366-100002	NUT, M10	4							
37	1	172A89-61080	COVER ASSY, SEAT	1							
39	2	172A69-61120	SPONGE	1							
40	1	172A69-64990	CUSHION, SEAT	1							Z 1
		(A=M92074)									
40-1	1	172A69-64980	CUSHION, SEAT	2							W 2
		(A=M92074)									
41	1	26106-080252	BOLT, M8X 25 PLATED	4							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-62150	FLOOR MAT A	1							
2	1	172A69-62160	FLOOR MAT B	1							
3	1	172A67-63140	INPANE	1							
4	1	172187-63160	CLIP	4							
5	1	172519-63240	BOLT	1							
6	1	172958-64500	PLUGE 28X302 Q	1							
7	1	172A67-63110	LEVER,BOX L	1							
8	1	172A67-63120	LEVER,BOX R	1							
9	1	172187-63160	CLIP	1							
10	1	172519-63240	BOLT	3							
11	1	172519-63240	BOLT	2							
12	1	172122-17190	CLIP, TREE	2							
13	1	172A67-63160	COVER	1							
14	1	172A67-63170	COVER	1							
15	1	1A6260-64200	CLIP	3							

Fig.42. SEAT(TO M92073)

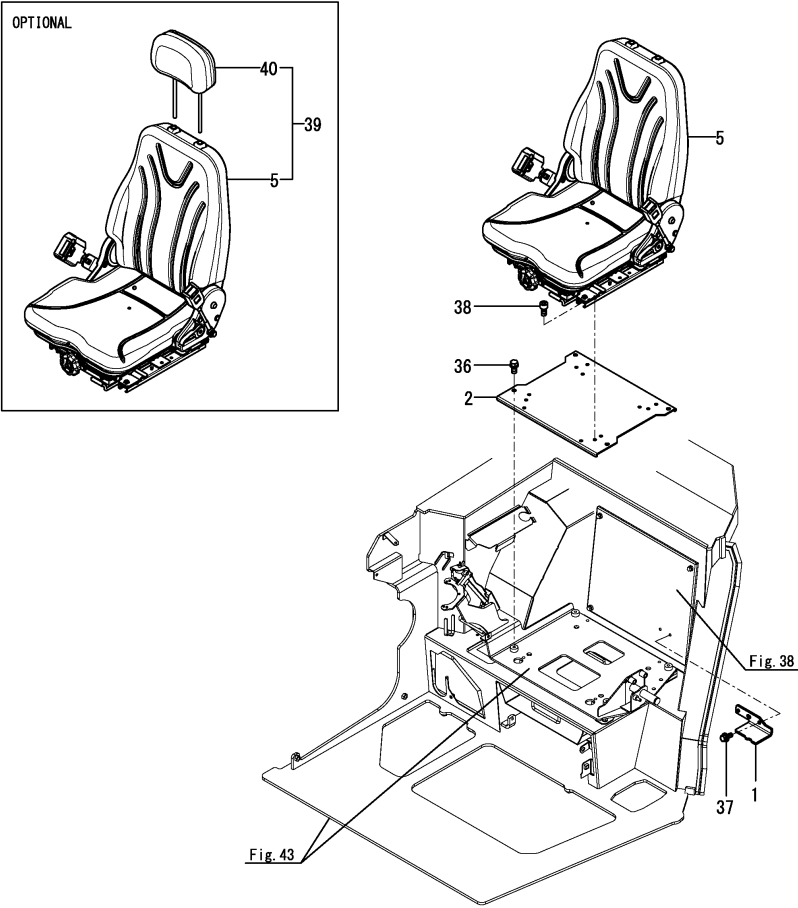


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-64100	SLIDER ASSY, SEAT	1							
2	1	172A69-64740	PLATE, STOPPER	1							
3	1	172A69-64811	FRAME ASSY, SLIDE	1							
4	1	26013-100252	BOLT, M10X 25	2							
5	1	26450-080162	BOLT, M8X 16	8							
6	1	172444-17660	CLIP, TREE 8	2							
7	1	172467-64101	SEAT ASSY, OPERATOR	1						Z	1
		(A=M92074)									
8	2	172467-64110	CUSHION, BACK REST	1							
9	2	172467-64120	CUSHION, SEAT	1							
10	2	172467-64130	STOPPER	1							
11	2	172467-64140	RAIL SET	1							
12	2	172467-64150	BELT, SEAT	1						Z	2
		(A=*2022.02.)									
13	2	172467-64160	COVER, CAP	2						Z	
		(A=*2022.02.)									
14	2	172467-64170	BOLT	2						Z	
		(A=*2022.02.)									
15	2	172467-64180	TUBE	2						Z	
		(A=*2022.02.)									
16	2	172467-64190	NUT	2						Z	
		(A=*2022.02.)									
16A	2	172A69-08100	SEATBELT KIT	1							W
		(A=*2022.02.)									
16B	3	172467-64020	SEATBELT	1							
16C	3	172467-64030	BRACKET	1							
16D	3	172467-64040	BOLT, M8X25	1							
16E	3	172467-64050	SPACER, 2.0	2							
16F	3	172467-64060	SPACER, 7.0	1							
16G	3	172467-64070	BOLT, M8X30	1							
16H	3	172467-64080	BOLT, M8X20	1							
16I	3	172467-64160	COVER, CAP	3							
16J	3	172467-64190	NUT	3							
17	1	172A69-64130	PLATE, SEAT	1							
18	1	26013-080162	BOLT, M8X 16	4							
19	1	26013-100162	BOLT, M10X 16	4							

(2)Copes in No.16A.

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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Fig.113. (42A)SEAT(U SPEC.)(FROM M92074)



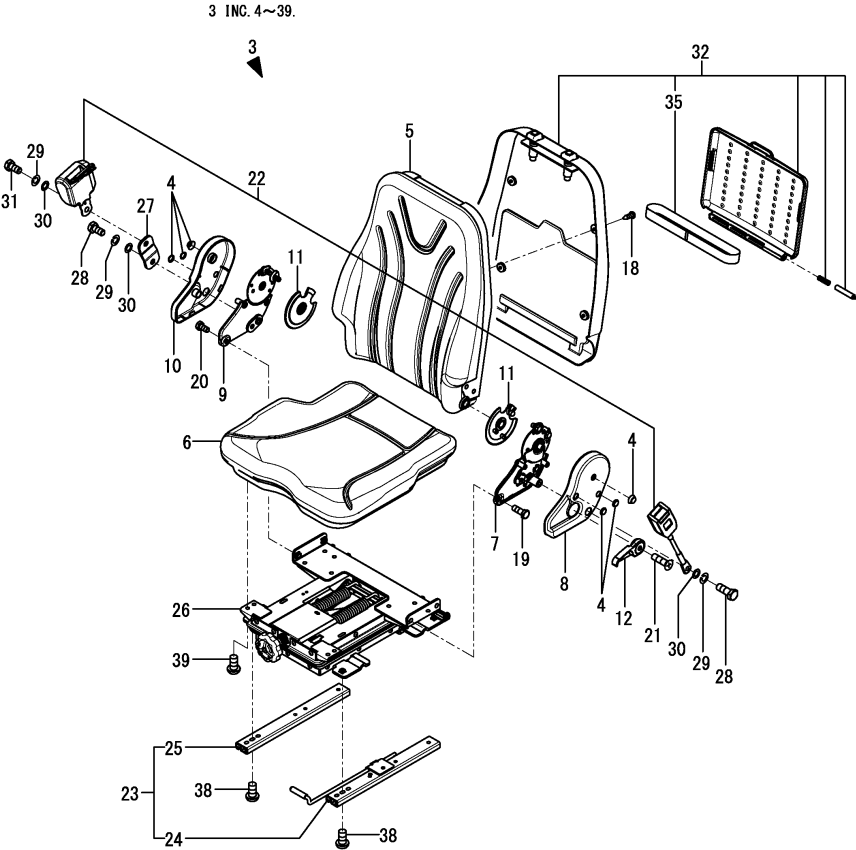
				0CS10-M55800 Fig.113							
				(A)=VIO80(KR)		(D)=					
				(B)=		(E)=					
				(C)=		(F)=					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-61071	PLATE, STOPPER	1							
2	1	172A69-64120	PLATE ASSY	1							
5	1	172A89-64730	SEAT, OPERATOR	1							3
36	1	26013-100162	BOLT, SPRING M10X 16	4							
37	1	26014-080202	BOLT, M8X 20	2							
38	1	26450-080162	BOLT, M8X 16	4							
39	1	172A69-64800	SEAT ASSY	1							1
40	2	172A89-64720	HEADREST	1							2

Remarks
(1)This attached an optional headrest to a standard seat.
(2)Optional
(3)Inner parts are shown in Fig.129(42B).

Fig.129. (42B)SEAT(INNER PARTS)(U SPEC.)(FROM M92074)

(A)=VIO80(KR)
(B)=
(C)=

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

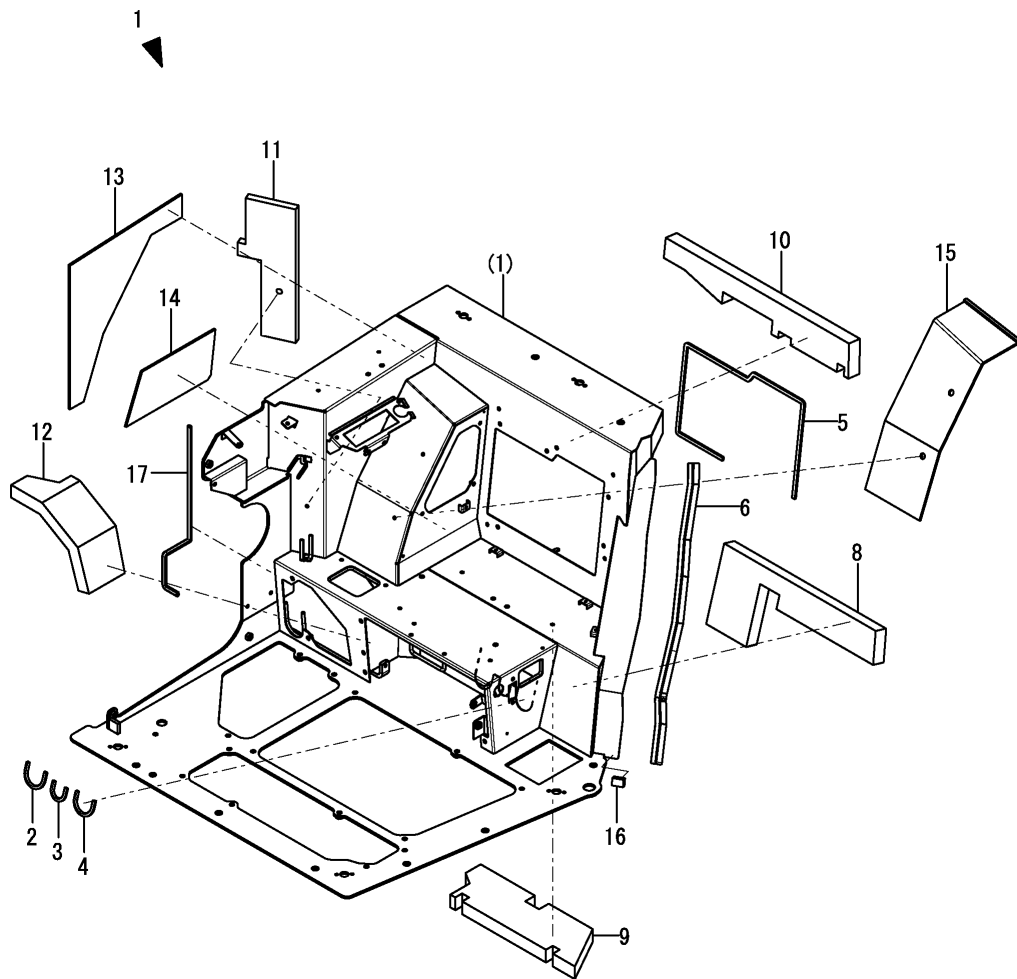


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	172A89-64730	SEAT ASSY, OPERATOR	1							
4	3	172A89-64760	CAP ASSY	1							
5	3	172A89-64770	SEAT, OPERATOR	1							
6	3	172A89-64780	SEAT, CUSHION	1							
7	3	172A89-64820	HINGE ASSY	1							
8	3	172A89-64830	COVER	1		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

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

Fig.43. SEAT MOUNT

1 INC. (1)~17.



(A)=VIO80(KR)
(B)=
(C)=

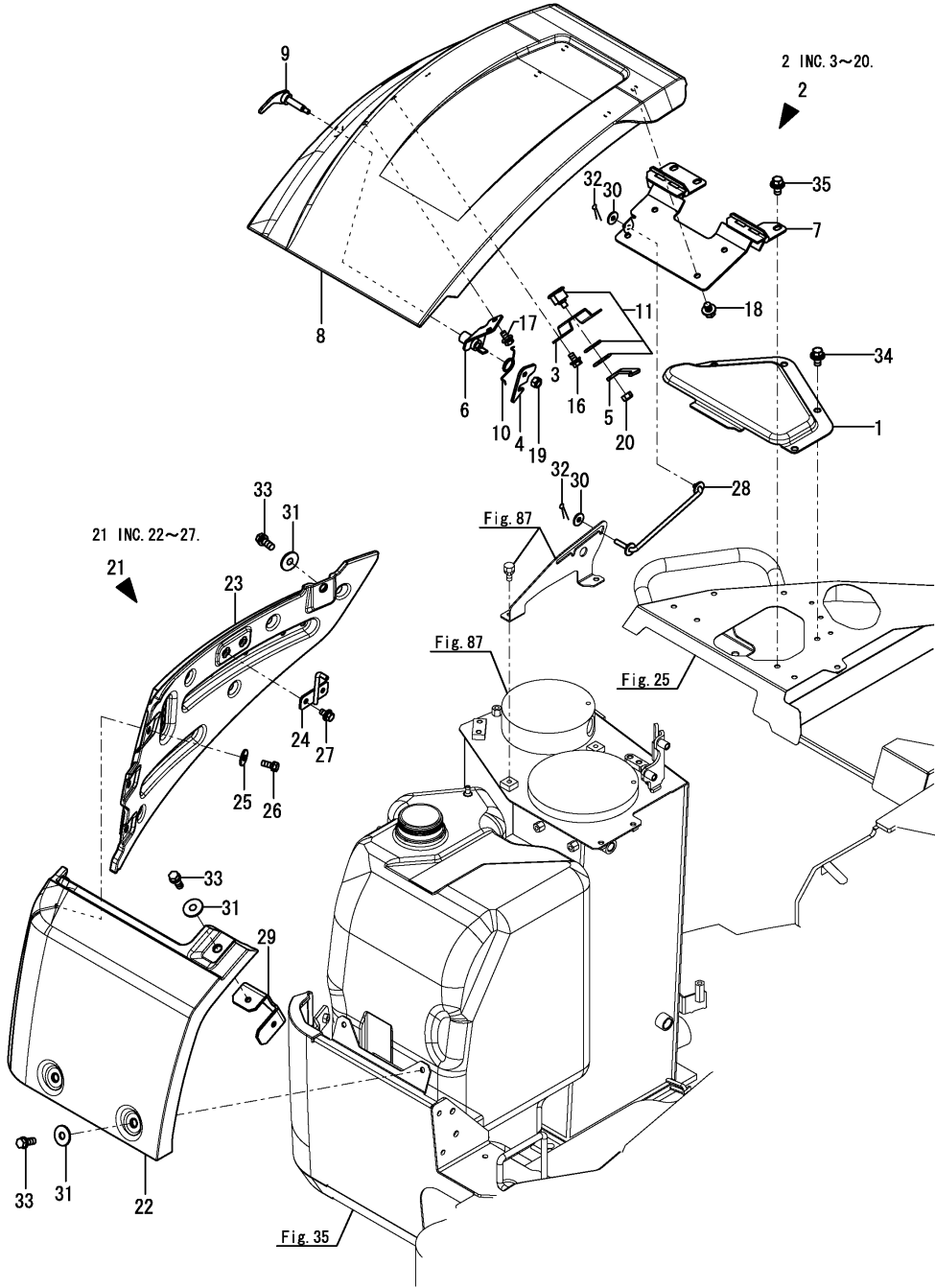
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-64200	MOUNT ASSY,SEAT (49)	1							
2	2	172444-17620	SEAL	1							
3	2	172458-18850	TRIM	1							
4	2	172538-19700	SEAL,135	1							
5	2	172458-46790	SEAL, STAND	1							
6	2	172162-61330	SEAL, COVER	1							
8	2	172A89-64610	SPONGE	1							
9	2	172A89-64620	SPONGE	1							
10	2	172A69-64630	SPONGE	1							
11	2	172A69-64640	SPONGE	1							
12	2	172A89-64650	SPONGE	1							
13	2	172A69-64680	WOOL, GLASS	1							
14	2	172A69-64690	WOOL, GLASS	1							
15	2	172A89-64700	WOOL, GLASS	1							
16	2	172A69-64720	SEAL, SEAT MOUNT	1							
17	2	172187-66140	RUBBER 580	1							

Fig.44. BONNET(BODY)

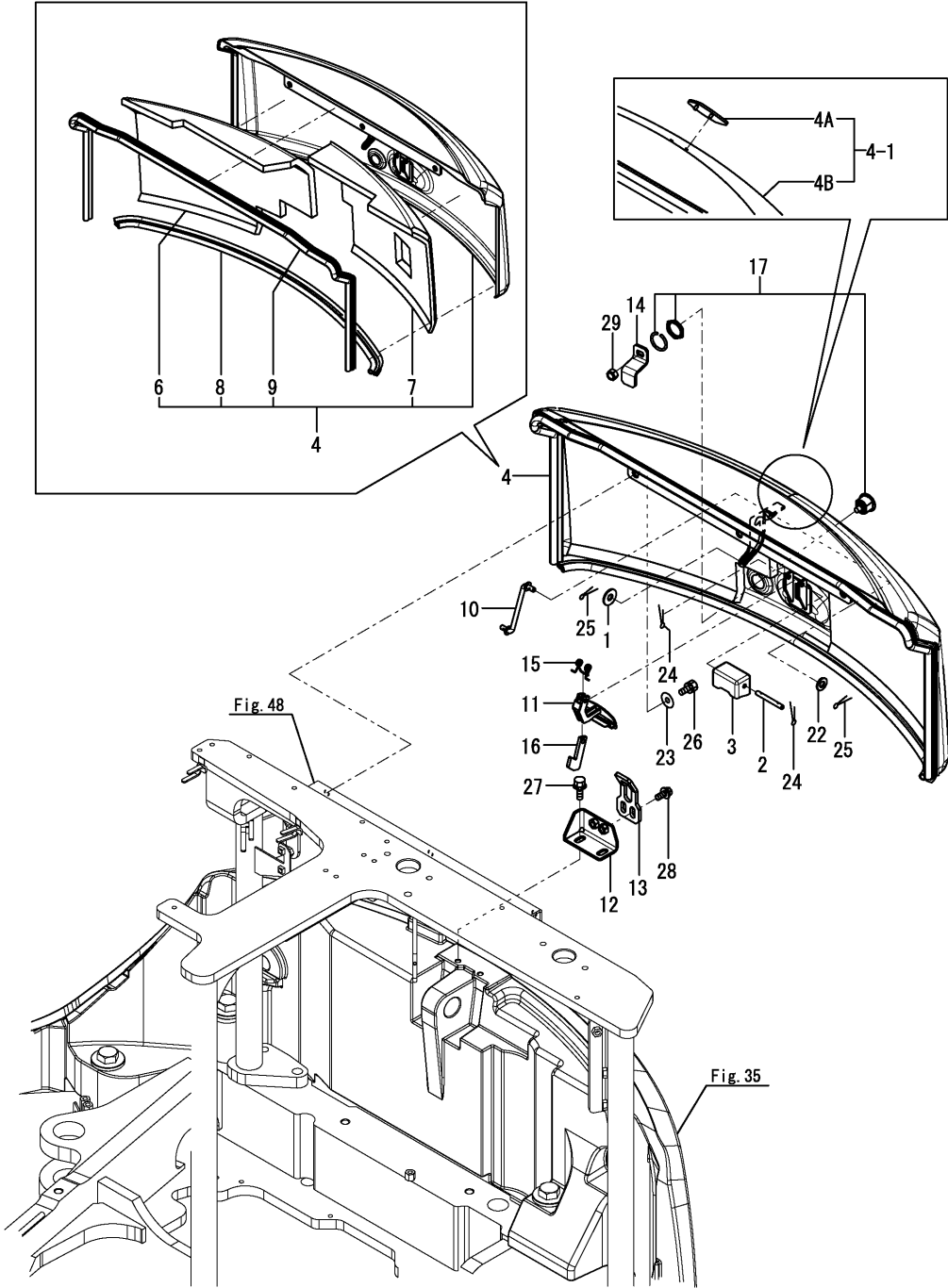
(A)=VIO80(KR)
(B)=
(C)=

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



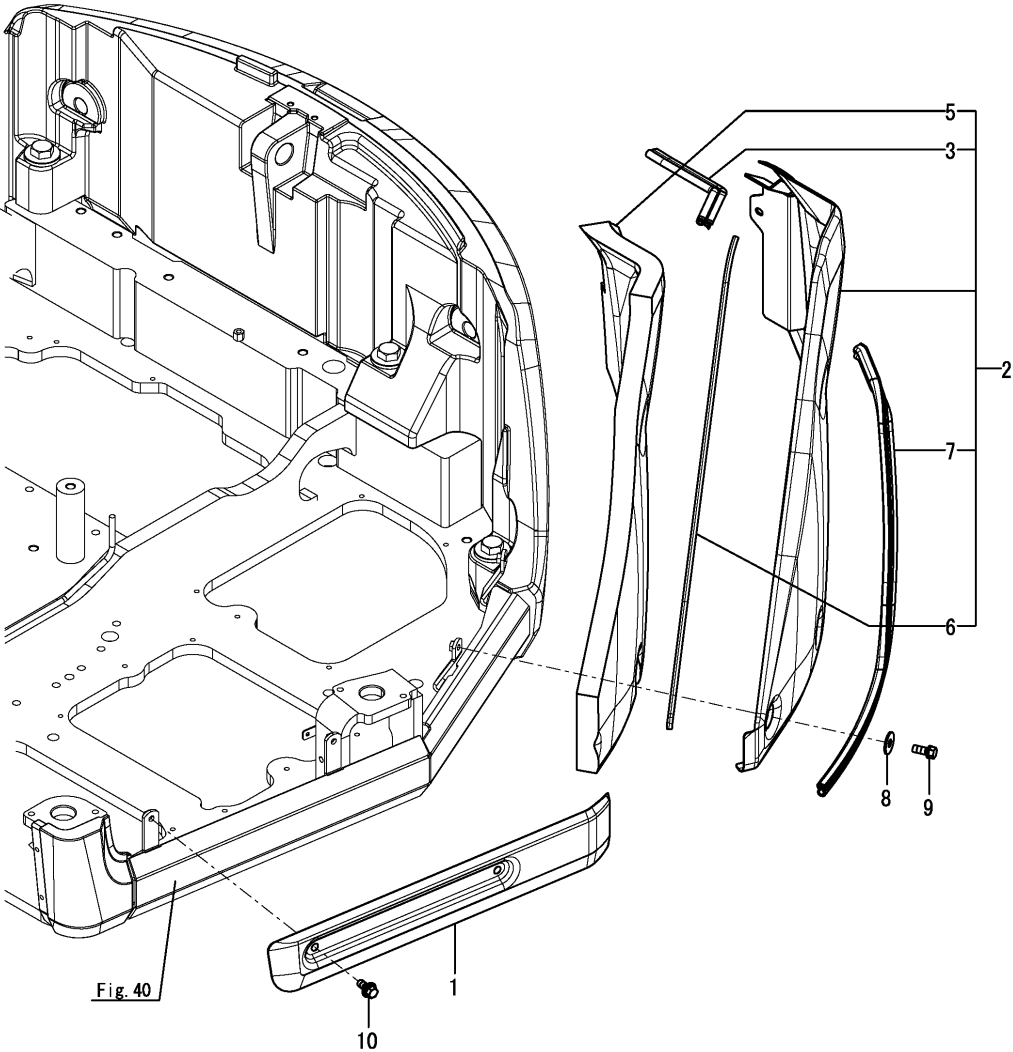
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-62130	COVER	1							
2	1	172A69-62410	BON B UPPER ASSY,BLK	1							
3	2	172A46-61960	ROCK PLATE	1							
4	2	172A69-62280	PLATE,LOCK	1							
5	2	172A69-62291	STAY, KEY	1							
6	2	172A69-62310	HOOK ASSY	1							
7	2	172A69-62340	PLATE ASSY,HINGE	1							
8	2	172A69-62420	BON B UPPER,BLACK	1							
9	2	172A69-62510	LEVER ASSY	1							
10	2	172156-65690	SPRING, STOPPER	1							
11	2	172164-66170	KEY ASSY, CYLINDER	1							
16	2	26014-080162	BOLT, M8X 16	2							
17	2	26014-080162	BOLT, M8X 16	2							
18	2	26014-100162	BOLT, M10X 16	4							
19	2	26347-080002	NUT, M8	1							
20	2	26347-100002	NUT, M10	1							
21	1	172A69-62430	BON B LOWER ASSY,BLK	1							
22	2	172A69-62440	BON B FRONT,BLACK	1							
23	2	172A69-62450	BON B REAR,BLACK	1							
24	2	172A69-62470	BAR ASSY, CATCH	1							
25	2	22157-080000	WASHER, 8	3							
26	2	26013-080202	BOLT, M8X 20	3							
27	2	26014-080162	BOLT, M8X 16	2							
28	1	172A69-62650	ROD ASSY,STOPPER	1							
29	1	172A69-65530	STAY ASSY, BONNET	1							
30	1	22157-080000	WASHER, 8	2							
31	1	22157-100000	WASHER, 10	4							
32	1	22417-200200	PIN, COTTER 2.0X20	2							
33	1	26013-100252	BOLT, M10X 25	4							
34	1	26014-100202	BOLT, M10X 20	4							
35	1	26014-100202	BOLT, M10X 20	3							

Fig.45. BONNET(REAR)



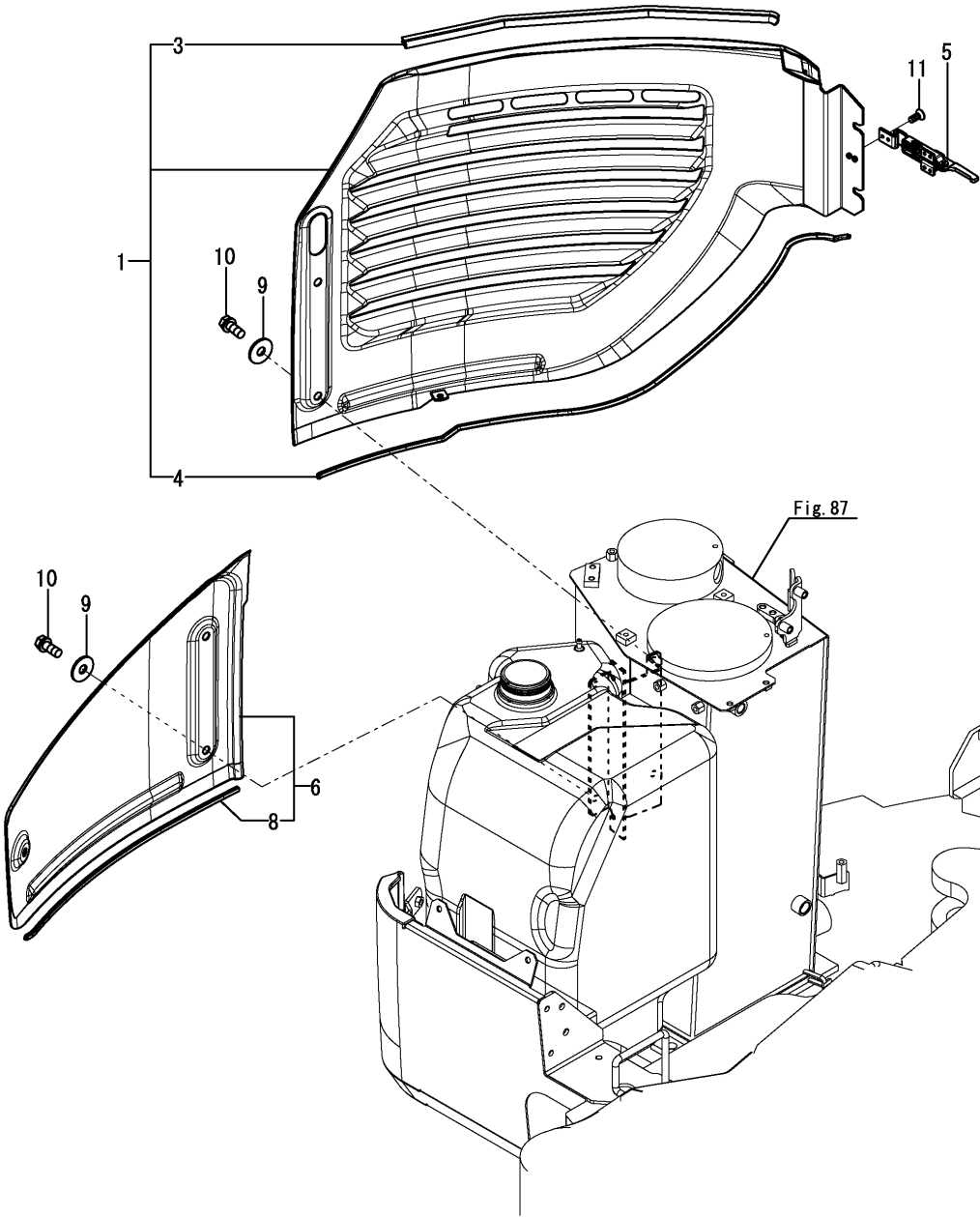
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1380-62160	WASHER	1							
2	1	172458-65050	SHAFT	1							
3	1	172458-65060	COVER, LOCK	1							
4	1	172A89-65100	BONNET A ASSY (2J)	1							
4-1	1	172A69-08400	BONNET KIT, Y	1							S
(A=M92001)											
4A	2	172A89-03500	EMBLEM ASSY	1							W
(A=M92001)											
4B	2	172A69-65400	BONNET ASSY	1							W
(A=M92001)											
6	3	172A89-65160	SPONGE	1							
7	3	172A89-65170	SPONGE	1							
8	3	172A69-65180	RUBBER, SEAL	1							
9	3	172A69-65190	RUBBER, SEAL	1							
10	1	172444-65190	ROD ASSY, STOPPER	1							
11	1	172187-65210	LEVER ASSY, LOCK	1							
12	1	172A89-65230	BRACKET ASSY, LOCK	1							
13	1	172187-65270	PLATE, CATCH	1							
14	1	172458-65271	PLATE, LOCK	1							
15	1	172734-65270	SPRING, CATCH	1							
16	1	172124-65480	CATCHER	1							
17	1	172164-66170	KEY ASSY, CYLINDER	1							
22	1	22137-080000	WASHER, 8	1							
23	1	22157-100000	WASHER, 10	3							
24	1	22417-200200	PIN, COTTER 2.0X20	2							
25	1	22417-200200	PIN, COTTER 2.0X20	2							
26	1	26013-100252	BOLT, M10X 25	3							
27	1	26014-100252	BOLT, M10X 25	2							
28	1	26014-100252	BOLT, M10X 25	2							
29	1	26347-100002	NUT, M10	1							

Fig.46. BONNET(SIDE : LEFT)



OCS10-M55800 Fig.46											
				(A)=VIO80(KR)					(D)=		
				(B)=					(E)=		
				(C)=					(F)=		
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-61490	COVER, FRAME	1							
1-1	1	172A69-61490-Y	COVER, FRAME	1							S
(A=M92001)											
2	1	172A89-65600	BONNET L ASSY (2J)	1							
2-1	1	172A89-65600-Y	BONNET L ASSY	1							S
(A=M92001)											
3	2	172162-15310	SEAL	1							
5	2	172A89-65630	SPONGE	1							
6	2	172A69-65670	TRIM	1							
7	2	172171-65820	RUBBER, SEAL	1							
8	1	22157-100000	WASHER, 10	3							
9	1	26013-100252	BOLT, M10X 25	3							
10	1	26014-100252	BOLT, M10X 25	2							

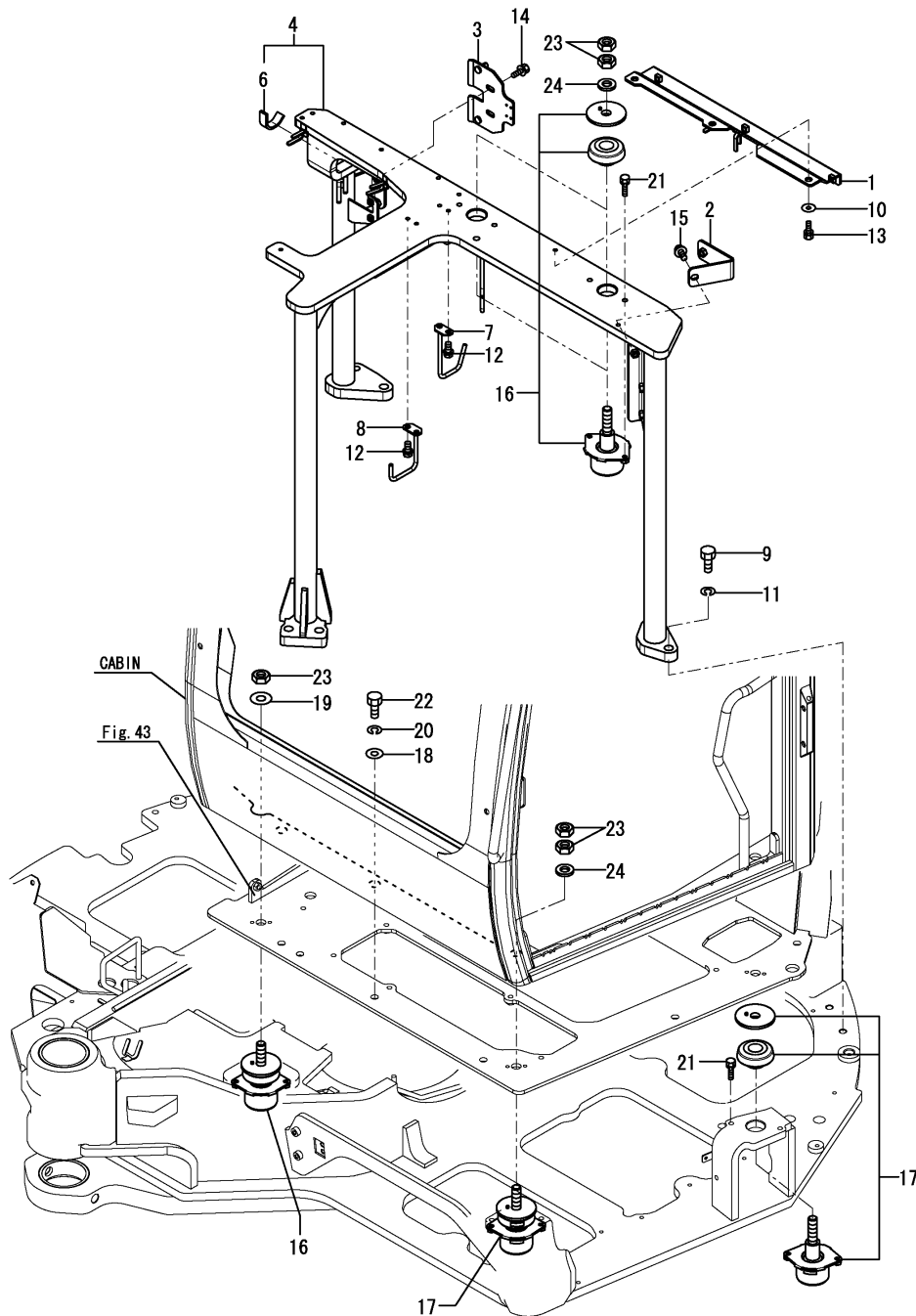
Fig.47. BONNET(SIDE : RIGHT)



(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-65800	BONNET RASSY (2J)	1							
1-1	1	172A89-65800-Y	BONNET RASSY	1						S	
(A=M92001)											
3	2	172A89-65850	RUBBER, SEAL 670	1							
4	2	172A89-65860	TRIM, 1160	1							
5	1	172A69-65871	GRIP, BONNET LOCK	1							
6	1	172A69-65900	BONNET ASSY	1							
6-1	1	172A69-65900-Y	BONNET ASSY	1						S	
(A=M92001)											
8	2	172A69-65920	TRIM	1							
9	1	22157-100000	WASHER, 10	5							
10	1	26013-100252	BOLT, M10X 25	5							
11	1	26577-050122	SCREW, M5X12	6							

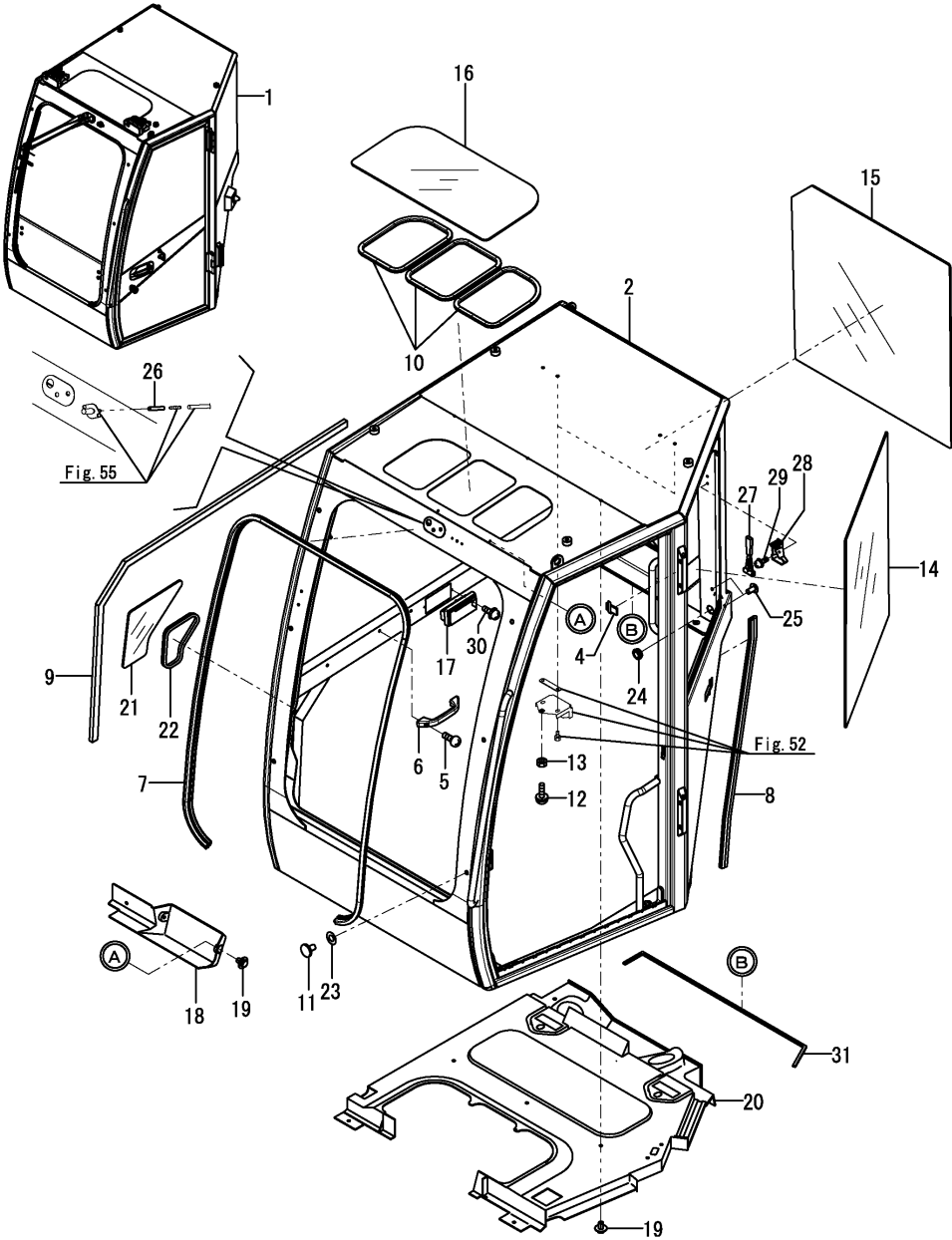


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-65200	BRACKET ASSY,BONNET	1							
2	1	172A89-65660	STAY ASSY, BONNET	1							
3	1	172A89-65950	BRACKET ASSY,BR	1							
4	1	172A89-67100	BRACKET ASSY,CAB M	1							
6	2	172A89-67450	SEAL, SPONGE	1							
7	1	172A89-67360	GUIDE ASSY, HOSE	1							
8	1	172A89-67390	GUIDE ASSY, HOSE	1							
9	1	172460-73320	BOLT	6							
10	1	22157-100000	WASHER, 10	3							
11	1	22217-160000	WASHER, SPRING 16	6							
12	1	26013-100202	BOLT, M10X 20	4							
13	1	26013-100252	BOLT, M10X 25	3							
14	1	26014-100252	BOLT, M10X 25	2							
15	1	26014-100252	BOLT, M10X 25	1							
16	1	172A69-64160	MOUNT ASSY,60HS	3							
17	1	172A69-64170	MOUNT ASSY,70HS	2							
18	1	22137-160000	WASHER, 16	6							
19	1	22137-200000	WASHER, 20	1							
20	1	22217-160000	WASHER, SPRING 16	6							
21	1	26013-100352	BOLT, M10X 35	10							
22	1	26076-160402	BOLT, 10.916X 40	6							
23	1	26716-200002	NUT, M20	9							
24	1	933172-14120	WASHER 21X40X6	4							

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.49. CABIN(BODY)

CABIN ASSY
172A69-68000
Fig. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~31.
Fig. 50~55.

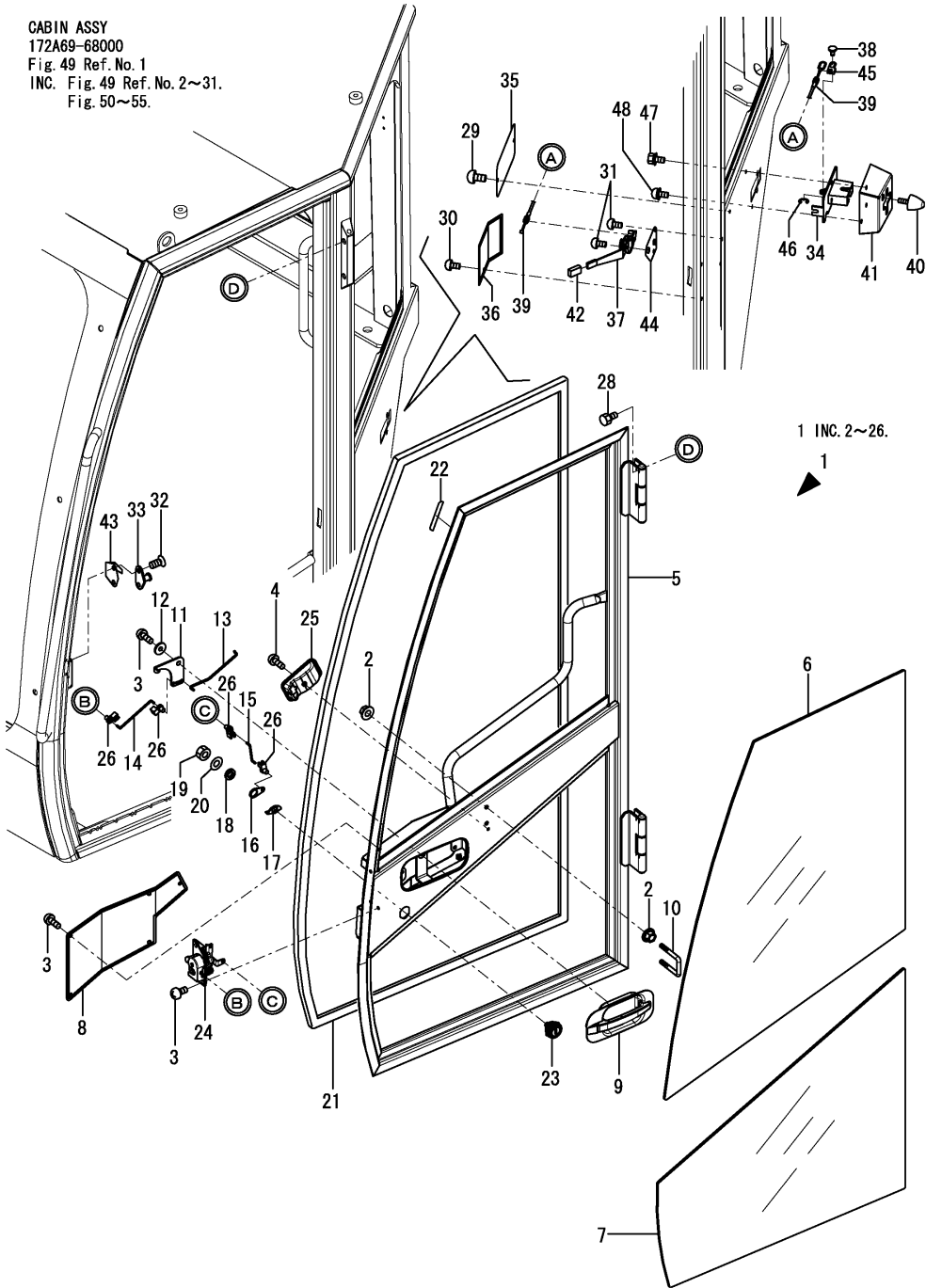


OCS10-M55800 Fig.49											
(A)=VIO80(KR)											
(D)=											
(E)=											
(F)=											
Q'ty											
I R											
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-68000	CABIN ASSY	1							
2	2	172A69-68010	FRAME,CAB CMP	1							
4	2	172538-67250	CLIP	1							
5	2	172538-67720	SCREW	2							
6	2	172538-68910	GRIP	1							
7	2	172A69-69560	RUBBER,TRIM	1							
8	2	172A69-69570	RUBBUR,P	1							
9	2	172A69-69580	SEAL, PACKING	1							
10	2	172A69-69590	RUBBER,TRIM	1							
11	2	172A69-69600	CLIP	10							
12	2	172A69-69610	RUBBER, STOPPER	2							
13	2	172A69-69620	NUT	2							
14	2	172A69-69630	GLASS, DOOR	1							
15	2	172A69-69640	GLASS	1							
16	2	172A69-69650	POLYCARBONATE	1							
17	2	172A69-69660	ASHTRAY	1							
18	2	172A69-69680	COVER	1							
19	2	172A69-69690	FASTENER	11							
20	2	172A69-69720	ROOF ASSY, INNER	1							
20-1	2	172A69-69721	ROOF ASSY, INNER	1							N
(A=MZZZZZ)											
21	2	172A69-69730	GLASS	1							
22	2	172A69-69740	TRIM	1							
23	2	172A69-69750	RUBBER,PACKIN	10							
24	2	172A69-69760	GROMMET	1							
25	2	172A69-69770	BOLT,CAP	2							
26	2	172A69-69780	HOSE,WASHER	1							
27	2	172A69-69790	HAMMER	1							
28	2	172A69-69800	BRACKET,HAMMER	1							
29	2	26023-050162	SCREW, M5X16	2							
30	2	26023-050162	SCREW, M5X16	2							
31	2	172A69-69670	SEAL, PACKING	1							W
(A=MXXXXX)											

Fig.50. CABIN(DOOR)

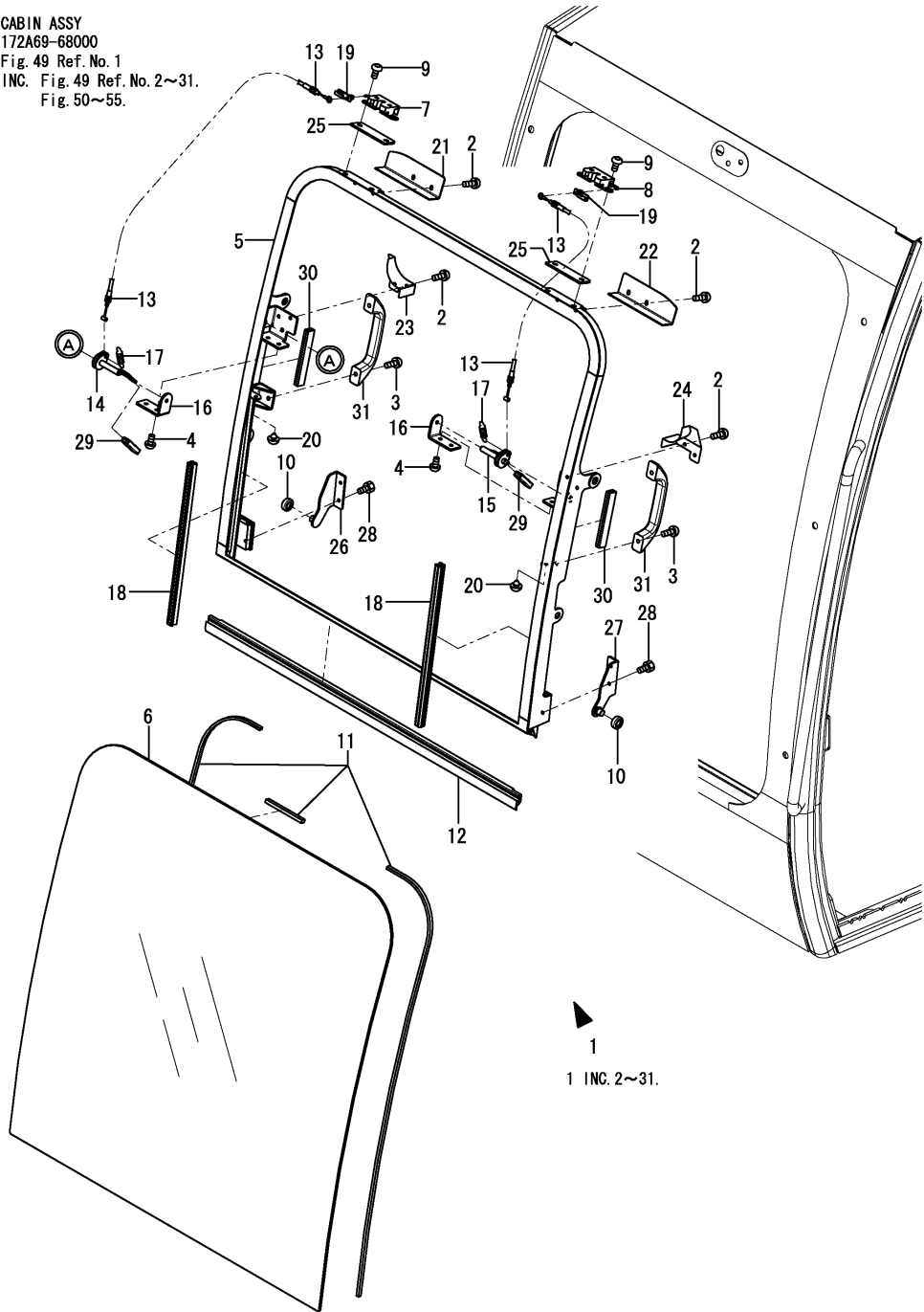
(A)=VIO80(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-68050	DOOR ASSY	1							
2	3	172538-67680	NUT, FLANGE	4							
3	3	172538-67720	SCREW	11							
4	3	172538-67780	SCREW	1							
5	3	172A69-68060	FRAME, DOOR	1							
6	3	172A69-68070	GLASS, DOOR	1							
7	3	172A69-68080	GLASS, DOOR	1							
8	3	172A69-68090	COVER	1							
9	3	172A69-68100	STEERING, ASSY	1							
10	3	172A69-68110	BOLT, U	1							
11	3	172A69-68120	PLATE	1							
12	3	172A69-68130	WASHER	1							
13	3	172A69-68140	LINK, A	1							
14	3	172A69-68150	LINK, B	1							
15	3	172A69-68160	LINK, C	1							
16	3	172A69-68170	PLATE	1							
17	3	172A69-68180	PLATE	1							
18	3	172A69-68190	SPACER	1							
19	3	172A69-68200	NUT	1							
20	3	172A69-68210	WASHER, PLATE	1							
21	3	172A69-68220	RUBBER	1							
22	3	172A69-68230	RUBBER	2							
23	3	172538-68730	CYLINDER ASSY, KEY	1							
24	3	172538-68780	LOCK ASSY LH	1							
25	3	172538-68890	INNER HANDLE	1							
26	3	172538-68960	HOLDER, LINK	4							
28	2	172538-67630	BOLT, M10X25	4							
29	2	172538-67660	SCREW	2							
30	2	172538-67660	SCREW	2							
31	2	172538-67660	SCREW	4							
32	2	172A69-69060	SCREW	2							
33	2	172A69-69260	STRIKER	1							
34	2	172A69-69270	CATCH ASSY	1							
35	2	172A69-69290	COVER	1							
36	2	172A69-69300	COVER	1							
37	2	172A69-69310	LEVER, ASSY	1							
38	2	172A69-69330	PIN	1							
39	2	172A69-69340	WIRE	1							
40	2	172A69-69350	RUBBER, STOPPER	1							
41	2	172A69-69360	COVER	1							
42	2	172A69-69370	COVER, LEVER	1							
43	2	172A69-69380	COVER	1							
44	2	172A69-69390	BRACKET	1							
45	2	172A69-69400	PLATE	1							
46	2	22272-000040	RING, E- 4	1							
47	2	26014-080202	BOLT, M8X 20	2							
48	2	26023-060162	SCREW, M6X16	1							

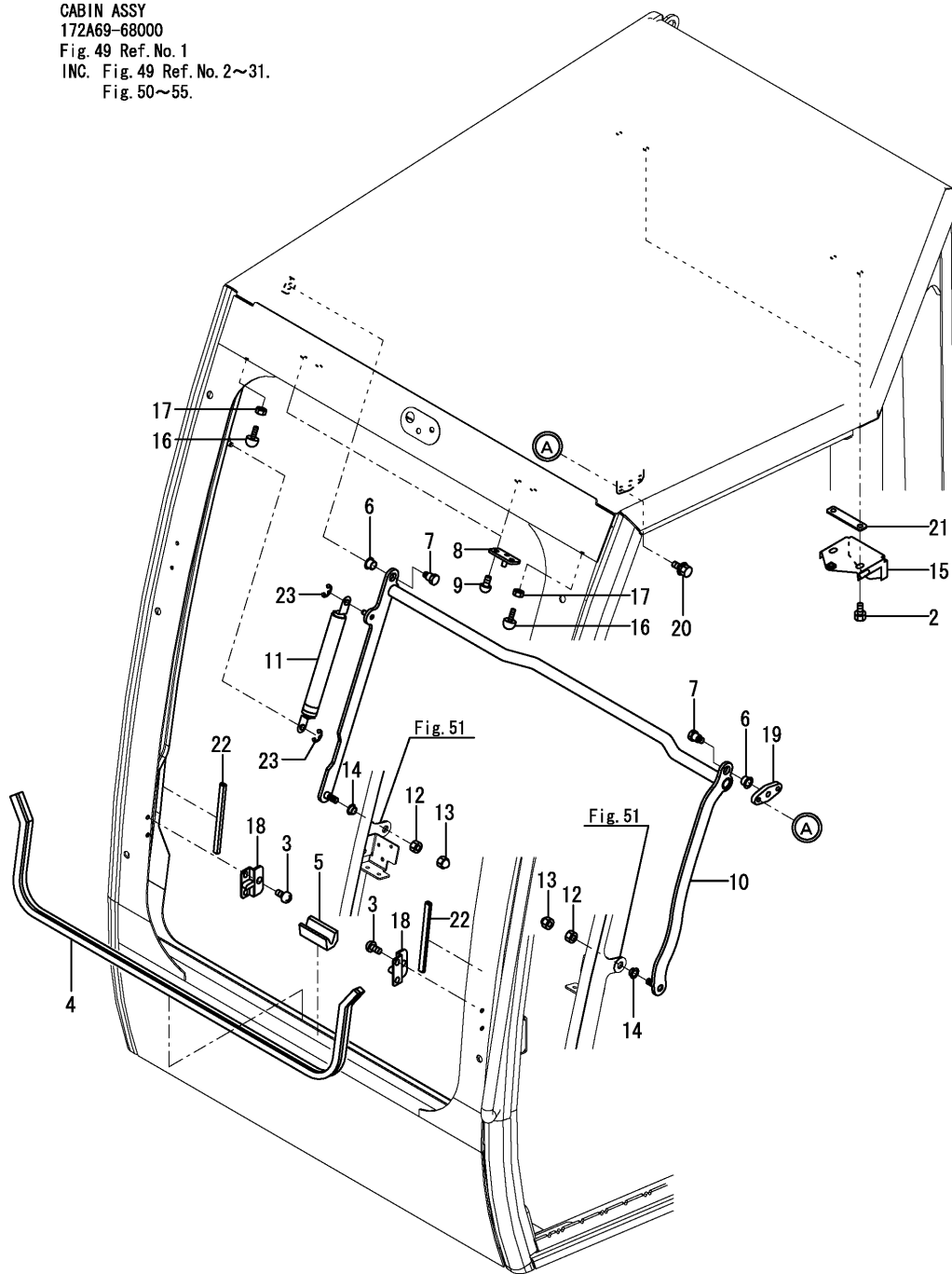
Fig.51. CABIN(FRONT WINDOW : 1)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-68250	WINDOW ASSY	1							
2	3	172538-67650	SCREW	8							
3	3	172538-67720	SCREW	4							
4	3	172538-67720	SCREW	4							
5	3	172A69-68260	WINDOW, SLIDE	1							
6	3	172A69-68270	GLASS	1							
7	3	172A69-68280	SNATCH LOCK,R	1							
8	3	172A69-68290	SNATCH LOCK,L	1							
9	3	172A69-68300	HEXAGON HOLE BLTM8	4							
10	3	172A69-68310	ROLLER	2							
11	3	172A69-68320	DAM RUBBER	1							
12	3	172A69-68330	RUBBER, SEAL	1							
13	3	172A69-68340	WIRE	2							
14	3	172A69-68350	LEVER,R	1							
15	3	172A69-68360	LEVER,L	1							
16	3	172A69-68370	BRACKET LEVER	2							
17	3	172A69-68380	SPRING, COIL	2							
18	3	172A69-68390	TRIM	2							
19	3	172A69-68400	HOLDER LINK	2							
20	3	172A69-68410	RUBBER, STOPPER	2							
21	3	172A69-68420	COVER, LATCH	1							
22	3	172A69-68430	COVER, LATCH	1							
23	3	172A69-68440	COVER	1							
24	3	172A69-68450	COVER	1							
25	3	172A69-68460	PLATE,LATCH	2							
26	3	172A69-68470	BRACKET,ROLLER R	1							
27	3	172A69-68480	BRACKET,ROLLER L	1							
28	3	172A69-68490	BOLT,M8X18 BK	4							
29	3	172A69-68500	COVER, LEVER	2							
30	3	172A69-68510	TRIM	2							
31	3	172538-68910	GRIP	2							

Fig.52. CABIN(FRONT WINDOW : 2)

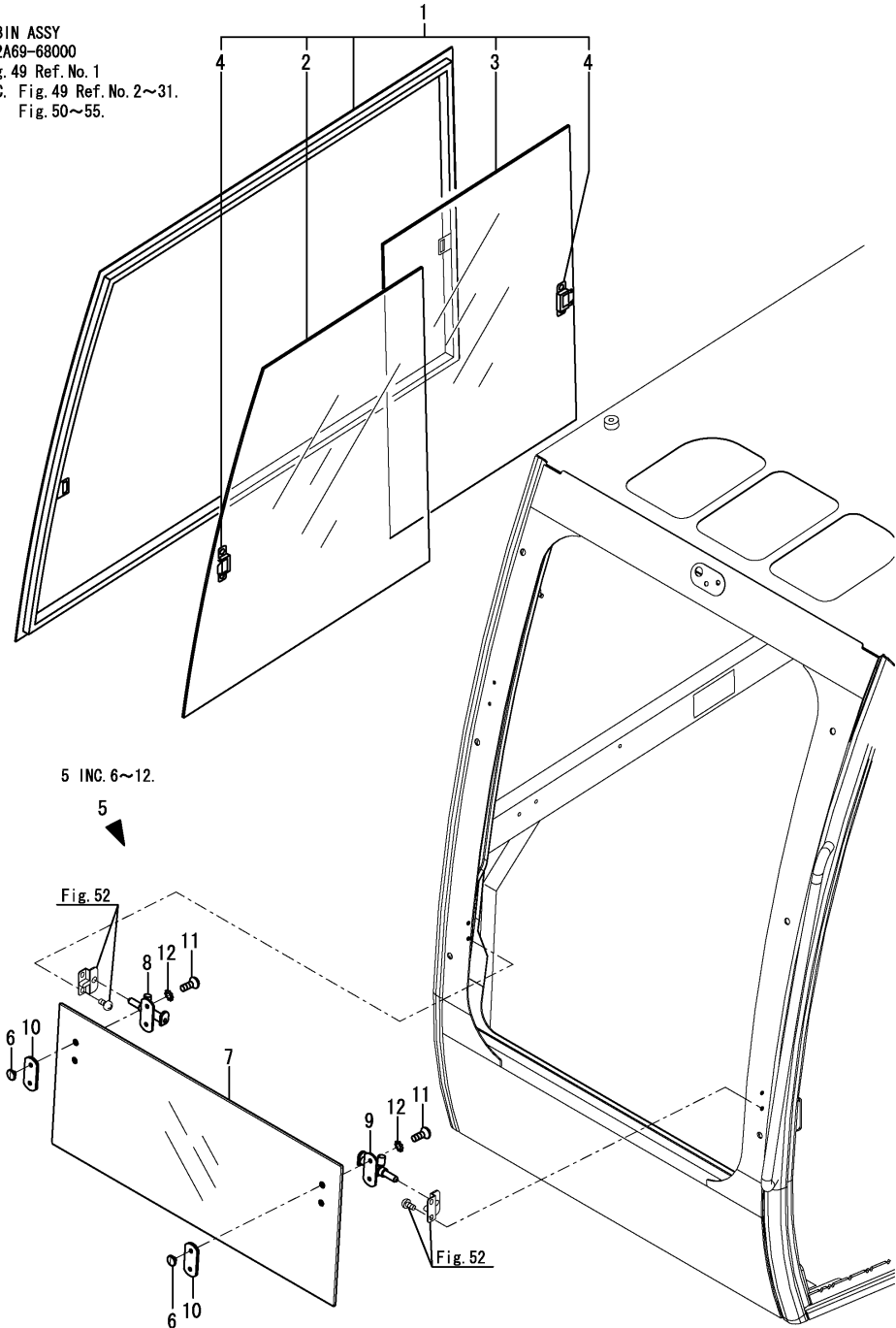
CABIN ASSY
172A69-68000
Fig. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~31.
Fig. 50~55.



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
2	2	172538-66380	BOLT,M8X20 BK	4					
3	2	172538-67720	SCREW	4					
4	2	172A69-69010	RUBBER,TRIM	1					
5	2	172A69-69020	RUBBER, STOPPER	2					
6	2	172A69-69030	BEARING	2					
7	2	172A69-69040	BOLT,LINK	2					
8	2	172A69-69050	STRIKER	2					
9	2	172A69-69060	SCREW	4					
10	2	172A69-69070	LINK ASSY	1					
11	2	172A69-69080	SPRING, GAS	1					
12	2	172A69-69090	NUT	2					
13	2	172A69-69100	NUT, CAP	2					
14	2	172A69-69110	BEARING	2					
15	2	172A69-69130	STRIKER	2					
16	2	172A69-69140	RUBBER, STOPPER	2					
17	2	172A69-69150	NUT	2					
18	2	172A69-69160	PLATE,LATCH	2					
19	2	172A69-69170	NUT	1					
20	2	172A69-69180	BOLT,M8X16 BK	2					
21	2	172A69-69190	SPACER	2					
22	2	172A69-69200	TRIM	2					
23	2	22272-000070	RING, E- 7	2					

Fig.53. CABIN(WINDOW SASH & LOWER GLASS)

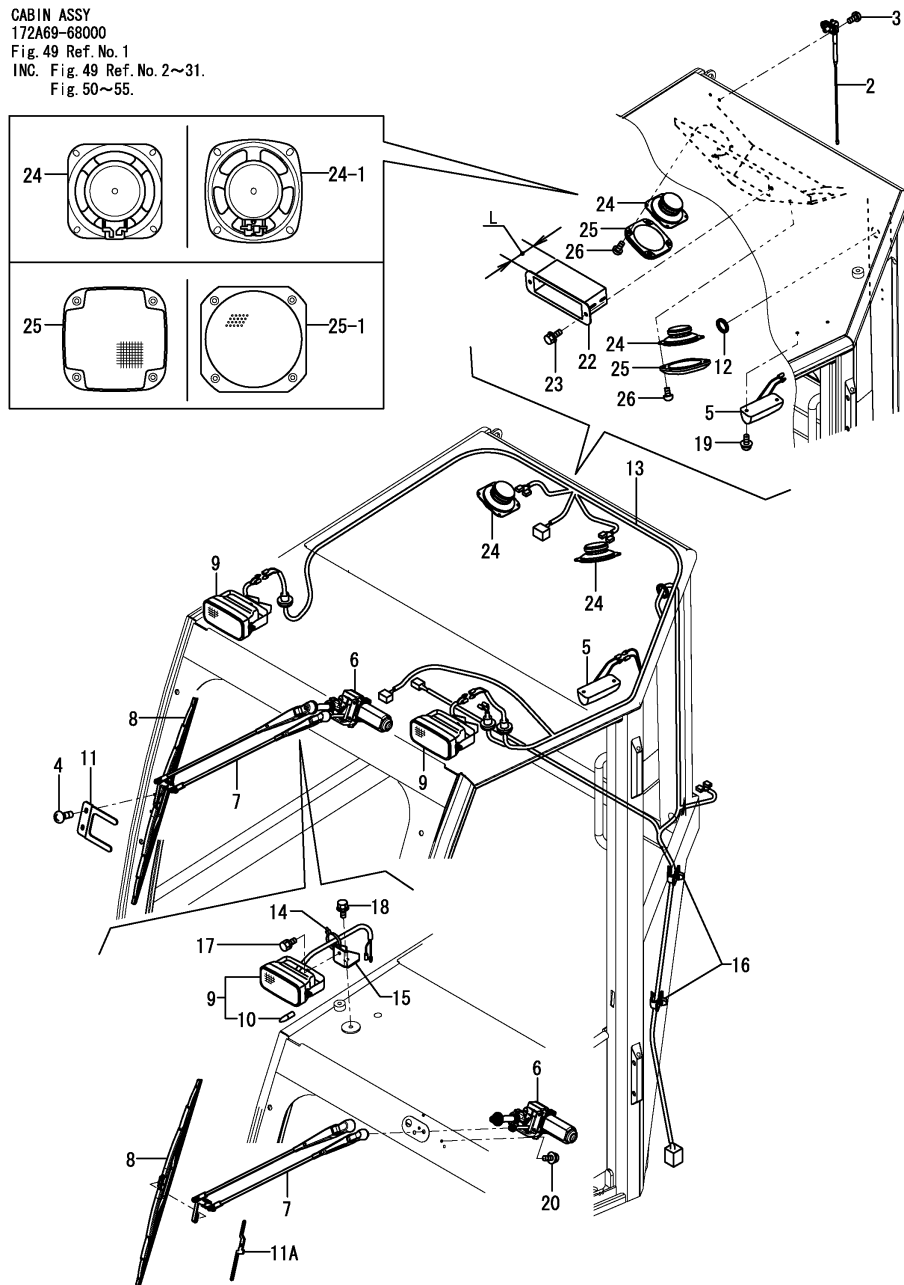
CABIN ASSY
172A69-68000
Fig. 49 Ref.No. 1
INC. Fig. 49 Ref. No. 2~31.
Fig. 50~55.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-68550	SASH ASSY	1							
2	3	172A69-68560	GLASS, SASH	1							
3	3	172A69-68570	GLASS, SASH	1							
4	3	172A69-68580	LOCK, ASSY	2							
5	2	172A69-68600	GLASS ASSY	1							
6	3	172538-67550	RETAINER	4							
7	3	172A69-68610	GLASS	1							
8	3	172A69-68620	LATCH, R ASSY LOWRE	1							
9	3	172A69-68630	LATCH, L ASSY LOWRE	1							
10	3	172A69-68640	PACKING	2							
11	3	172A69-68650	SCREW	4							
12	3	172A69-68660	WASHER, TWOSD LOCK	4							

Fig.54. CABIN(ELECTRIC)

CABIN ASSY
172A69-68000
Fig. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~31.
Fig. 50~55.



(A)=VIO80(KR)
(B)=
(C)=

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

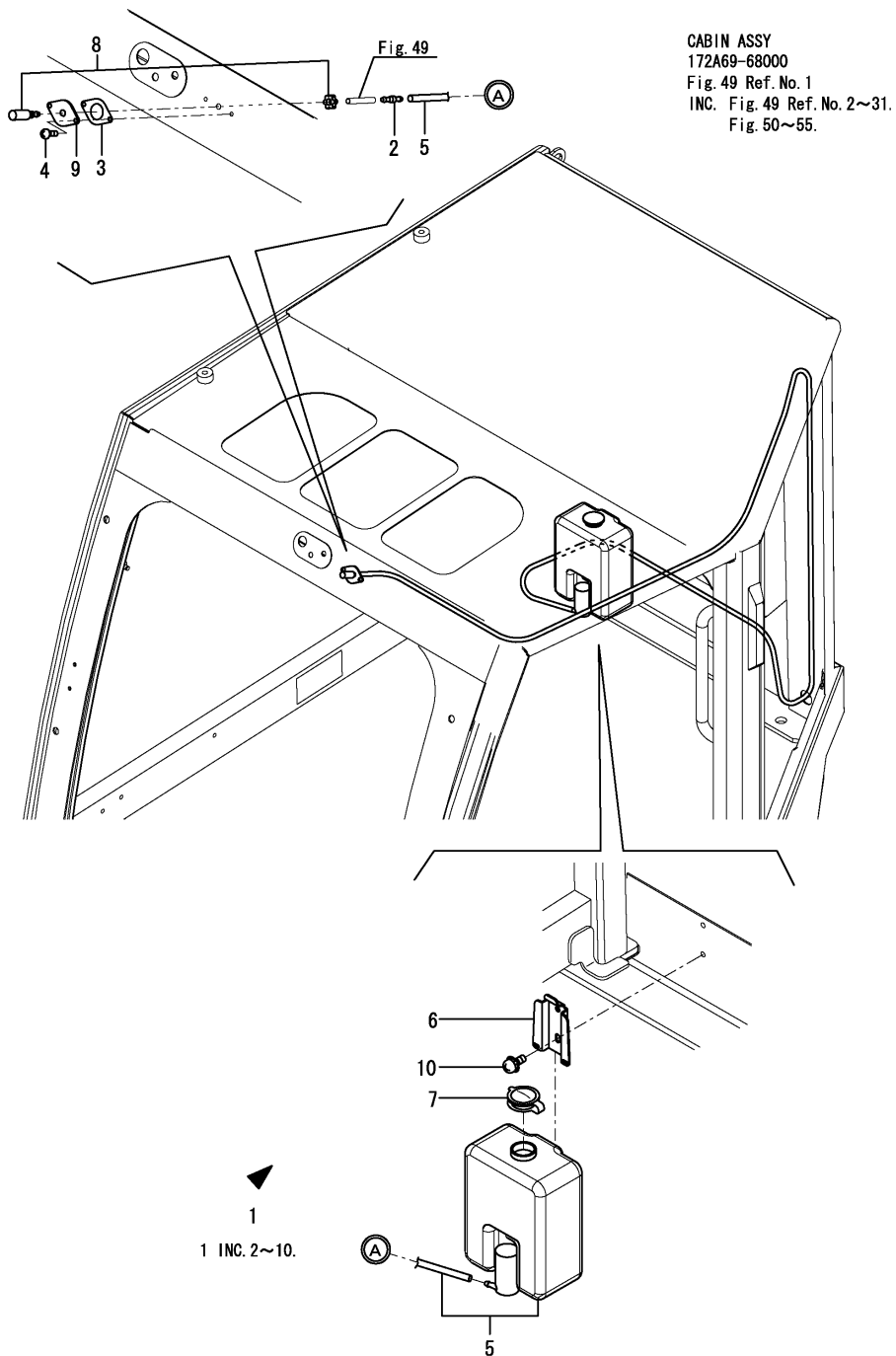
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	172538-66640	ROD ASSY, ANTENNA	1							
3	2	172538-67660	SCREW	2							
4	2	172538-67720	SCREW	2							
5	2	172538-68540	LAMP ASSY, ROOM	1							
6	2	172A69-68710	MOTOR, WIPER	1							
7	2	172A69-68720	ARM, WIPER	1							
8	2	172A69-68730	BLADE, WIPER	1							
9	2	172A69-68740	LAMP, WORK	2							
10	3	172458-17420	BULB	4							
11	2	172A69-68750	BRACKET, WIPER	1							
11A	2	172A69-68760	PLATE, WIPER ARM	1							W
	(A=MXXXXXX)										
12	2	172A69-68770	GROMMET	1							
13	2	172A69-68780	HARNESS, MAIN	1							
13-1	2	172A89-68780	HARNESS, MAIN	1							N
	(A=MZZZZZ)										
14	2	172A69-68790	CLAMP	2							
15	2	172A69-68800	BRACKET	2							
16	2	172A69-68820	CLIP	2							
17	2	172A69-69470	BOLT	2							
18	2	26014-100202	BOLT, M10X 20	2							
19	2	26023-050162	SCREW, M5X16	2							
20	2	26023-060162	SCREW, M6X16	3							
22	2	172A69-69460	BRACKET, RADIO	1							1
22-1	2	172A69-69461	BRACKET, RADIO	1							S 1
	(A=MZZZZZ)										
23	2	172A69-69470	BOLT	2							
24	2	172A69-69480	SPEAKER	2							
24-1	2	172A69-69481	SPEAKER	2							S
	(A=MZZZZZ)										
25	2	172A69-69490	SPEAKER	2							
25-1	2	172A69-69491	GRILLE, SPEAKER	2							S
	(A=MZZZZZ)										
26	2	172A69-69500	SCREW	8							

Remarks

(1)Ref.No.22 L=91mm, No.22-1 L=96mm.

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

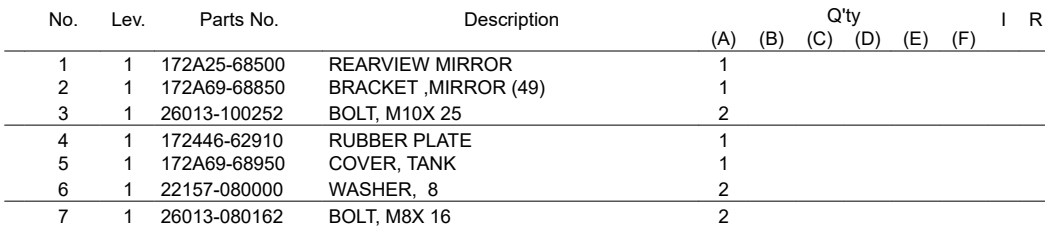
Fig.55. CABIN(WASHER TANK)

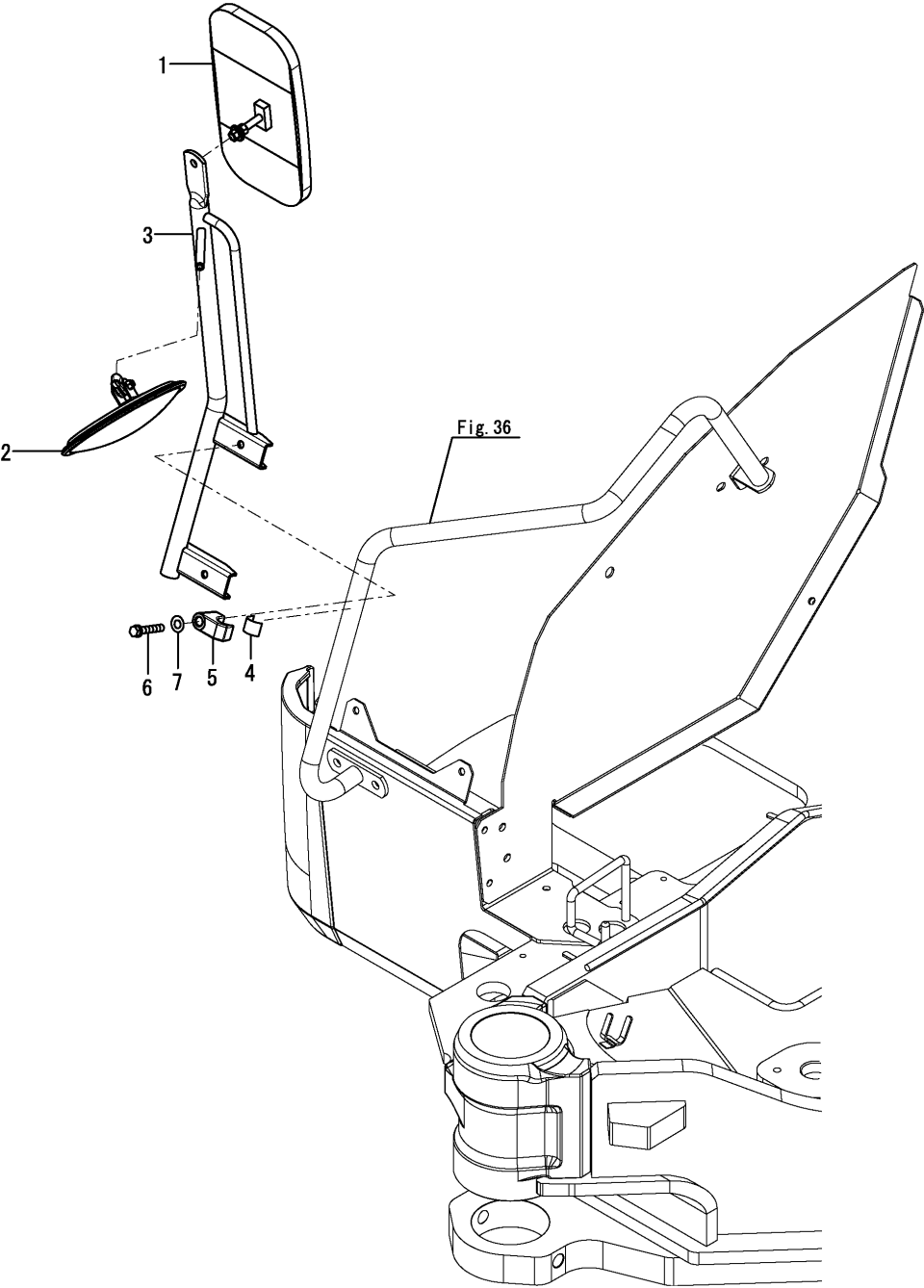


				(A)=VIO80(KR) (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-68900	TANK ASSY, WASHER	1							
2	3	172538-66480	CHECK VALVE	1							
3	3	172538-66530	PACKING	1							
4	3	172538-67640	SCREW	2							
5	3	172A69-68910	TANK, WASHER	1							
6	3	172A69-68920	BRACKET,WIND WASHER	1							
7	3	172A69-68930	CAP	1							
8	3	172A69-68940	NOZZLE, WASHER	1							
9	3	172A69-68960	PLATE	1							
10	3	26023-060162	SCREW, M6X16	2							

(A)=VIO80(KR)
(B)=
(C)=

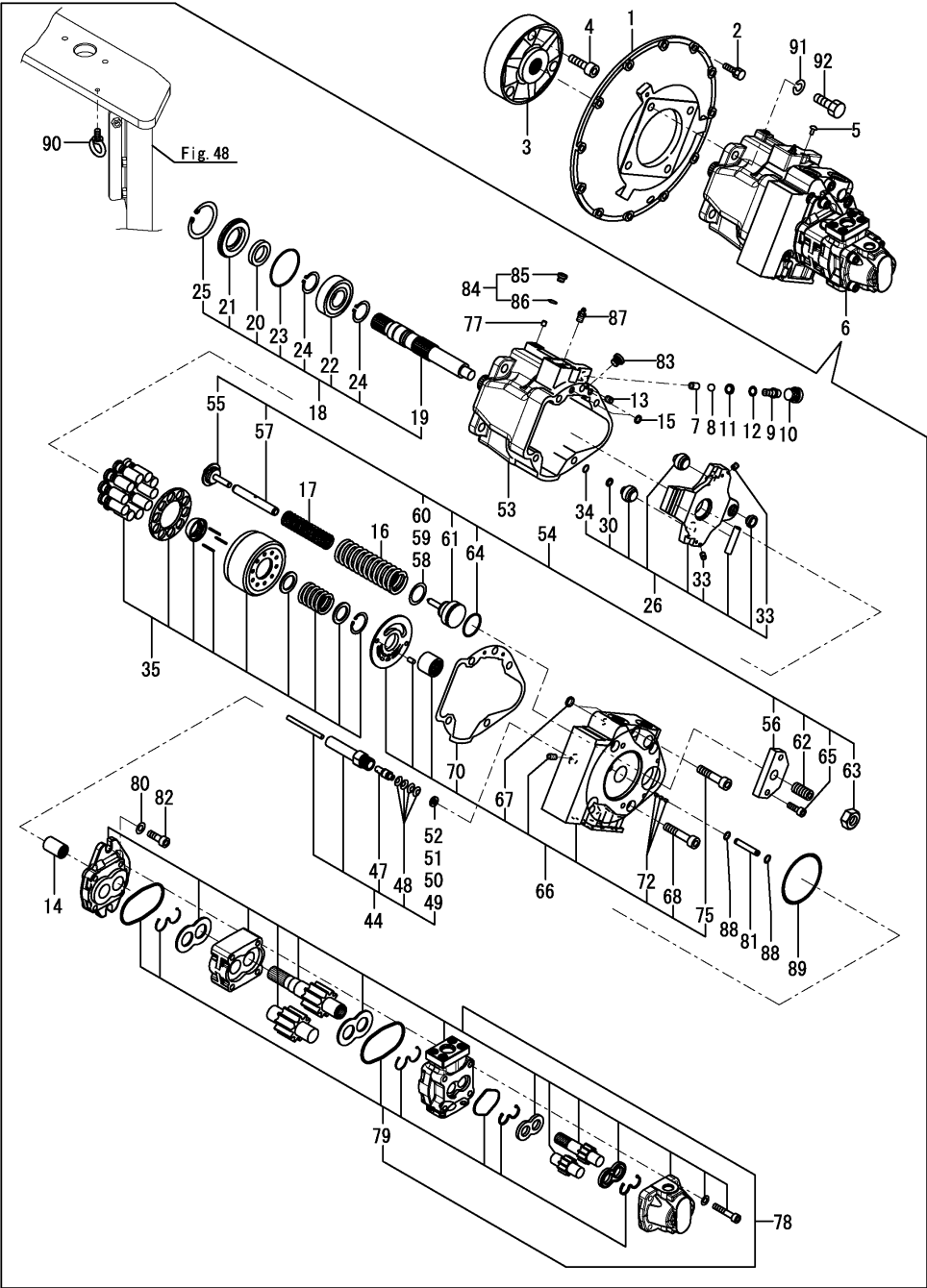
(D)=
(E)=
(F)=





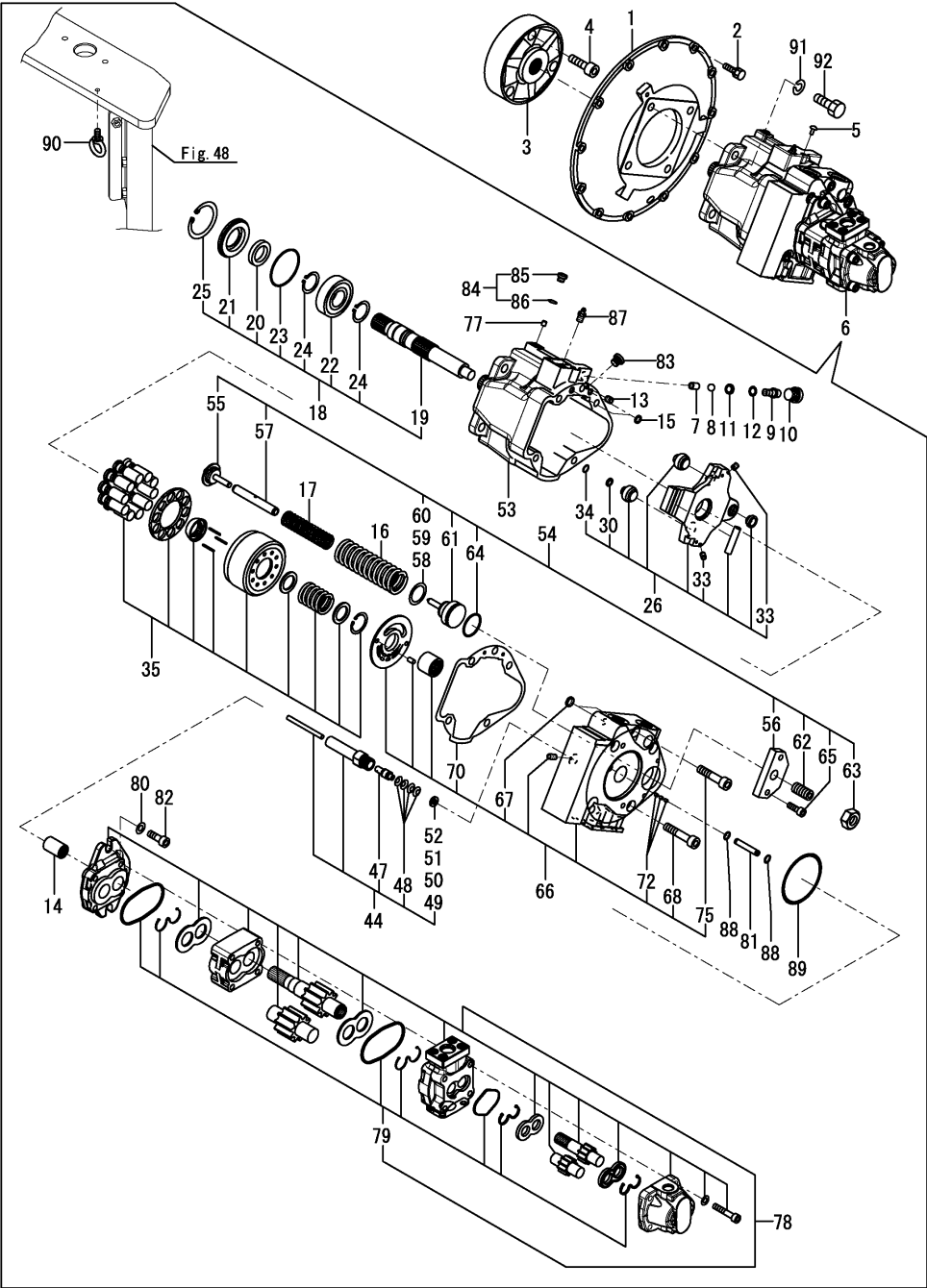
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1W3855-50160	MIRROR ASSY, BACK	1							
2	1	172A25-68500	MIRROR, REARVIEW	1							
3	1	172A69-69810	MIRROR ASSY, SIDE	1							
3-1	1	172A69-69810-Y (A=M92001)	MIRROR ASSY, SIDE	1							S
4	1	172A69-69880	RUBBER, CLAMP	2							
4-1	1	172A69-69881 (A=M10509)	SHEET	2							N
5	1	172142-76940-2	CLAMP	2							
5-1	1	172142-76940-Y (A=M92001)	CLAMP	2							S
6	1	26013-100552	BOLT, M10X 55	2							
7	1	22137-100000	WASHER, 10	2							

Fig.58. HYD.OIL PUMP & JOINT

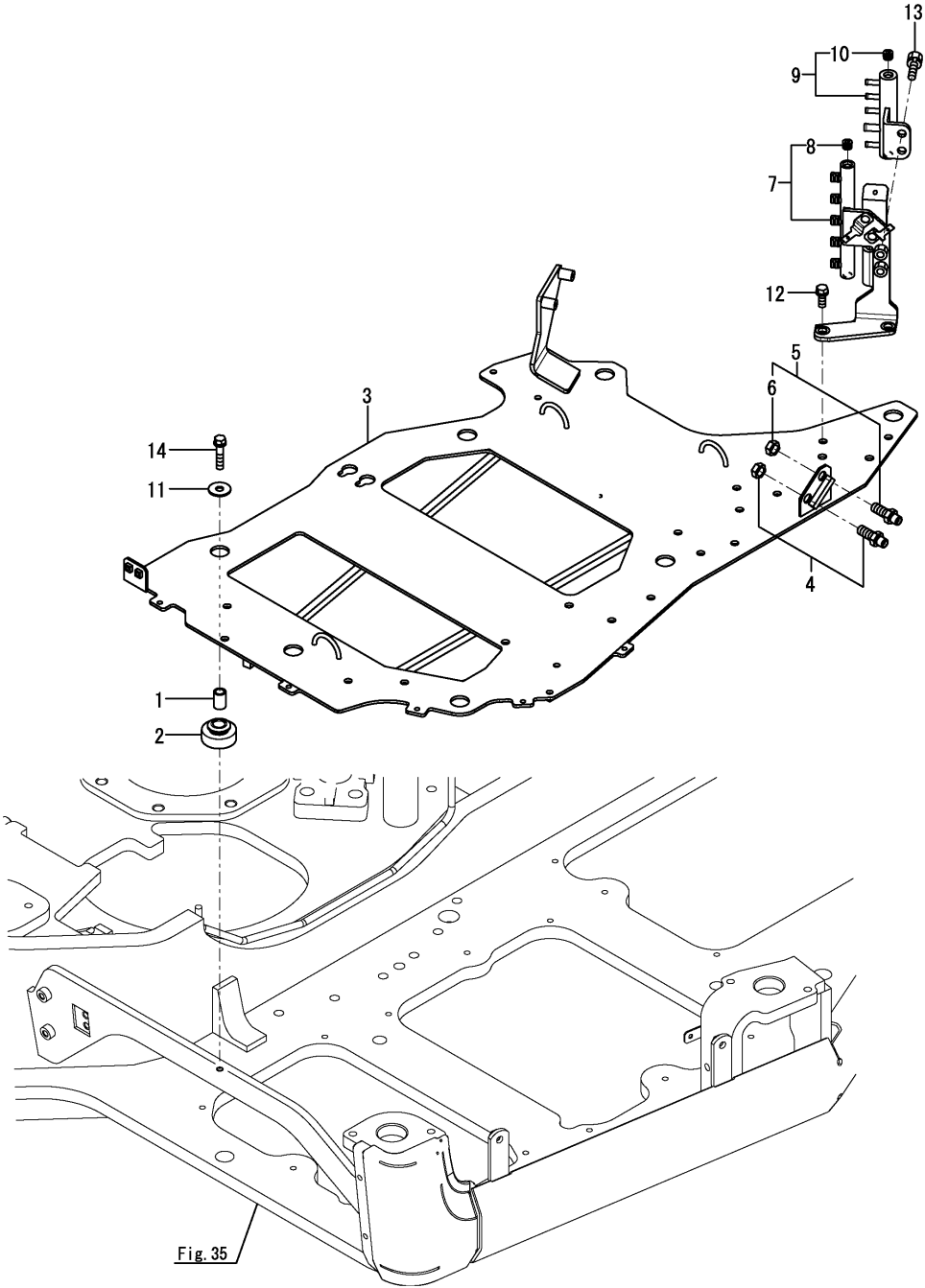


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-71100	COVER, FLYWHEEL	1							
2	1	26013-100302	BOLT, M10X 30	12							
3	1	172499-71200	COUPLING	1							
4	1	172187-71210	BOLT	3							
5	1	172122-17190	CLIP, TREE	1							
6	1	172A89-73100	PUMP ASSY	1							
6-1	1	172A89-73101	PUMP ASSY	1							N
(A=MZZZZZ)											
7	2	172499-70600	BUSH	1							
8	2	172499-70610	BALL, STEEL	1							
9	2	172499-70620	PLUG	1							
10	2	172499-70630	PLUG	1							
11	2	172499-70640	PACKING	1							
12	2	172499-70650	SHIM	1							
13	2	172499-70660	PLUG	1							
14	2	172499-70680	COUPLING	1							
15	2	172499-70690	RING	2							
16	2	172499-70701	SPRING	1							
17	2	172499-70711	SPRING	1							
17-1	2	172A89-73190	SPRING	1							N
(A=MZZZZZ)											
18	2	172499-71300	SHAFT ASSY	1							
19	3	172499-71450	SHAFT	1							
20	3	172187-73240	SEAL, OIL	1							
21	3	172187-73220	CASE, SEAL	1							
22	3	172187-73230	BEARING	1							
23	3	172187-73250	O-RING	1							
24	3	22242-000350	RING, 35	2							
25	3	22252-000800	RING, 80	1							
26	2	172499-71310	PLATE ASSY, SWASH	1							
30	3	172499-71500	RING	1							
33	3	172141-74720	PLUG	2							
34	3	24315-000110	O-RING, 1BP11.0	1							
35	2	172499-71320	ROTARY GROUP	1							
44	2	172499-71350	PISTON, CONTROL	1							
47	3	172499-71690	PISTON	1							
48	3	172499-71700	SPRING	4							
49	3	172499-71710	PIECE, DISTANCE	1							
50	3	172499-71720	PIECE, DISTANCE	1							
51	3	172499-71730	PIECE, DISTANCE	1							
52	3	172499-71740	PIECE, DISTANCE	1							
53	2	172499-71370	HOUSING	1							
54	2	172A69-73130	SEAT ASSY, SPRING	1							
55	3	172499-71600	SEAT, SPRING	1							
56	3	172499-71620	COVER	1							
57	3	172499-71630	GUIDE	1							
58	3	172499-71640	SHIM	1							
59	3	172499-71650	SHIM	1							
60	3	172499-71660	SHIM	1							
61	3	172A69-73140	SEAT, SPRING	1							
62	3	172187-75720	SCREW, ADJUST	1							

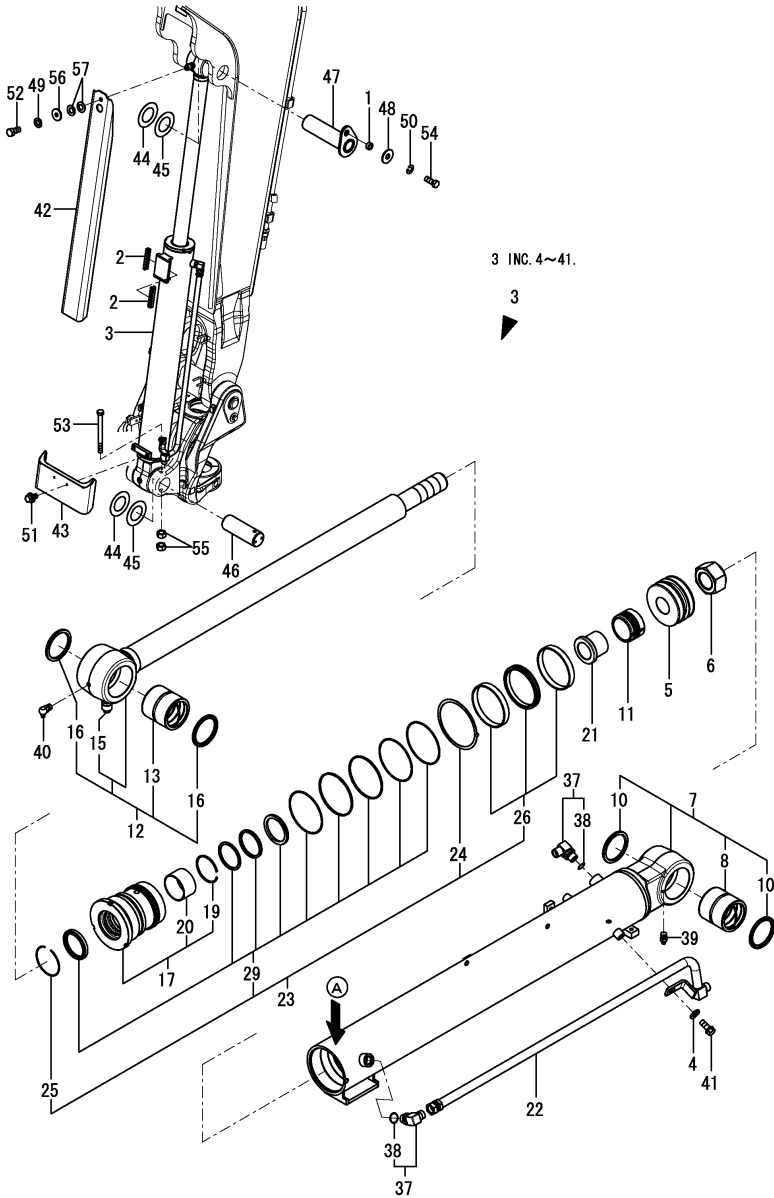
Fig.58. HYD.OIL PUMP & JOINT



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
63	3	172187-75750	NUT	1							
64	3	24311-000440	O-RING, 1AP44.0	1							
65	3	26450-100302	BOLT, M10X 30	2							
66	2	172A89-73130	COVER ASY	1							
67	3	172499-70690	RING	2							
68	3	172499-71490	BOLT	4							
70	3	172499-71590	PACKING	1							
72	3	172147-73530	ORIFICE	3							
75	3	172187-75630	BOLT	1							
77	2	172147-73150	ORIFICE	1							
78	2	172A89-73150	GEAR PUMP	1							
79	3	172A89-73160	SEAL SET	1							
80	2	172A89-73170	PLAIN WASHER	2							
81	2	172A89-73180	SLEEVE	1							
82	2	172651-73430	SOCKET BOLT M12X 35	2							
83	2	172649-73680	PLUG	1							
84	2	172142-74590	PLUG	1							
85	3	172142-74650	PLUG	1							
86	3	24315-000080	O-RING, 1BP8.0	1							
87	2	172456-75430	PLUG, AIR VENT	1							
88	2	24315-000070	O-RING, 1BP7.0	2							
89	2	24325-001050	O-RING 1B G-105.0	1							
90	2	26617-100002	BOLT, EYE M10	1							
91	1	22217-160000	WASHER, SPRING 16	4							
92	1	26116-160452	BOLT, M16X 45 PLATED	4							

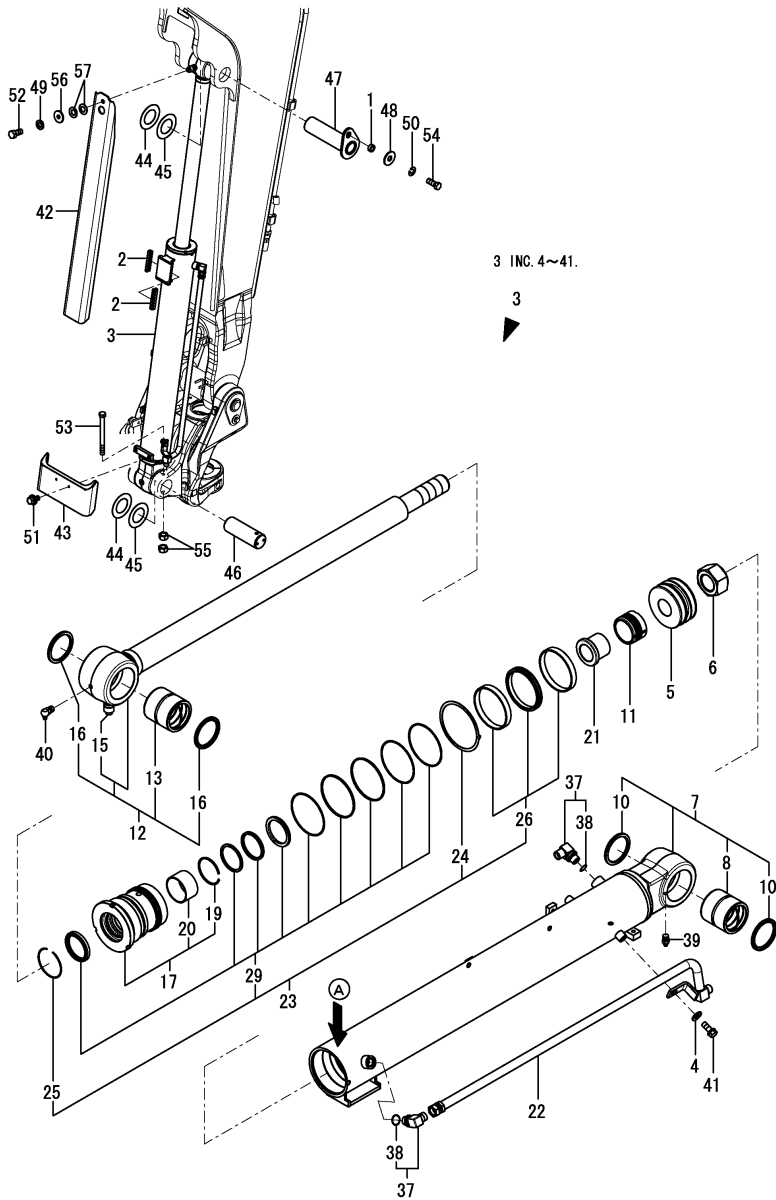


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-71550	COLLAR	7							
2	1	172A69-71560	GROMMET	7							
3	1	172A69-71600	PLATE ASSY,VALVE	1							
4	1	172151-76050	JOINT	1							
5	1	172A89-76150	JOINT	1							
6	2	172A89-76160	NUT, LOCK	1							
7	1	172A69-76680	BLOCK MOUNT ASSY	1							
8	2	23871-020000	PLUG, R02	1							
9	1	172A69-76720	BLOCK MOUNT ASSY,DR	1							
10	2	23871-020000	PLUG, R02	1							
11	1	22157-100000	WASHER, 10	7							
12	1	26013-100252	BOLT, M10X 25	2							
13	1	26013-100252	BOLT, M10X 25	2							
14	1	26013-100452	BOLT, M10X 45	7							



Remarks
(1)A : no mark
Interchangeable by Fig.120(60A) No.3.
The inner parts are not compatible.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-45790	SPACER	1							
2	1	172162-61770	GUIDE, SLIDE	2							
3	1	172A89-72100	CYLINDER ASSY, BOOM	1							
3-1	1	172A89-72100-N (A=M92001)	CYLINDER ASSY, BOOM	1							S
3-2	1	172A89-72100-N (A=*2013.05.)	CYLINDER ASSY, BOOM	1						Z	1
4	2	194145-04810	WASHER, 10	1							
5	2	172020-10290	PISTON	1							
6	2	172020-10370	NUT	1							
7	2	172A89-72110	TUBE ASSY, BOOM	1							
7-1	2	172A89-72110-N (A=M92001)	TUBE ASSY, BOOM	1							S
8	3	172020-10220	BUSH, PIN	1							
10	3	172162-82350	SEAL, DUST	2							
11	2	172478-72190	PLUNGER, CUSHION	1							
12	2	172A21-72200	ROD ASSY, BOOM	1							
13	3	172020-10220	BUSH, PIN	1							
15	4	172478-72010	NUT	1							
16	3	172162-82350	SEAL, DUST	2							
17	2	172A89-72200	HEAD ASSY 115 65	1							
19	3	172499-72490	SPRING RING 72	1							
20	3	24550-065400	BUSH, 65X40	1							
21	2	172478-72250	COLLAR, CUSHION	1							
22	2	172A89-72250	PIPE ASSY, BOOM	1							
22-1	2	172A89-72250-N (A=M92001)	PIPE ASSY, BOOM	1							S
23	2	172A89-72900	SEAL SET, 115X65	1							
24	3	172020-10360	WASHER, LOCK	1							
25	3	172020-10380	RING, SPRING	1							
26	3	172020-11620	SEAL SET, PISTON	1							
29	3	172A89-72910	SEAL SET, 115X65	1							
37	2	172141-76900	CONNECTOR ASSY	2							
38	3	24315-000180	O-RING, 1BP18.0	2							
39	2	24761-020000	NIPPLE, GREASE PT1/8	1							
40	2	24761-050000	NIPPLE, GREASE C	1							
41	2	26013-100252	BOLT, SPRING M10X 25	1							
42	1	172187-72910-2	COVER, SLIDE	1							
42-1	1	172187-72910-N (A=M92001)	COVER, SLIDE	1							S
43	1	172A89-72960	COVER, HOSE	1							
43-1	1	172A89-72960-N (A=M92001)	COVER, HOSE	1							S
44	1	172176-81700	SHIM	2							
45	1	172176-81710	SHIM	2							
46	1	172187-81801	PIN, 70X200	1							
47	1	172A89-81810	PIN ASSY	1							
48	1	22157-140000	WASHER, 14	1							
49	1	22217-100000	WASHER, SPRING 10	1							
50	1	22217-140000	WASHER, SPRING 14	1							
51	1	26014-100202	BOLT, M10X 20	2							



(A)=VIO80(KR)
(B)=
(C)=

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

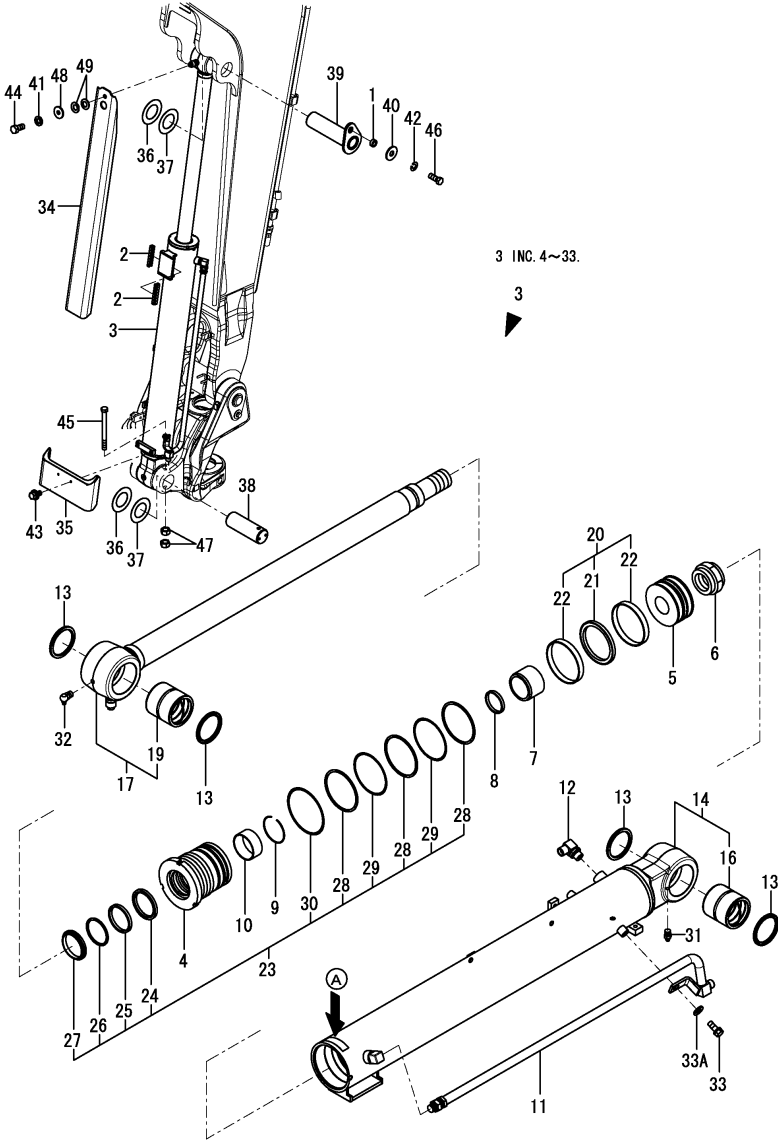
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
52	1	26116-100202	BOLT, M10X 20 PLATED	1							
53	1	26116-121402	BOLT, M12X165 PLATED	1							
54	1	26116-140352	BOLT, M14X 35 PLATED	1							
55	1	26716-120002	NUT, M12	2							
56	1	933147-03400	WASHER, BRAKE ARM	1							
57	1	933168-14170	SPRING	2							

Remarks
(1)A : no mark
Interchangeable by Fig.120(60A) No.3.
The inner parts are not compatible.

0CS10-M55800 HYDRAULIC OIL EQUIPMENT
Fig.120. (60A)BOOM CYLINDER(K SPEC.)

(A)=VIO80(KR)
(B)=
(C)=

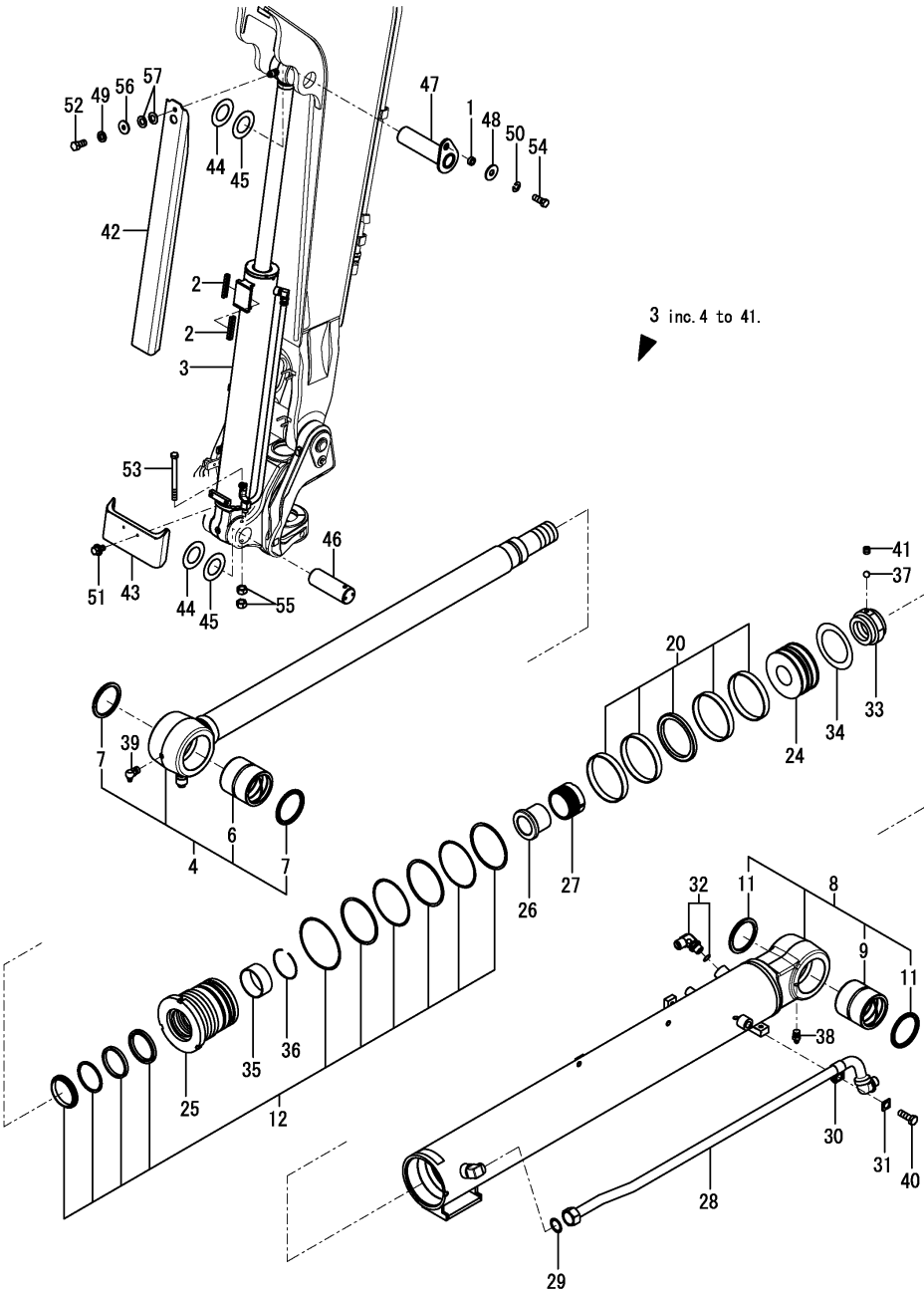
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-45790	SPACER	1							
2	1	172162-61770	GUIDE, SLIDE	2							
3	1	172B11-72100	CYLINDER ASSY, BOOM	1						Z	1
(A=M92224)											
4	2	172B11-72110	HEAD	1							
5	2	172B11-72120	PISTON	1							
6	2	172B11-72130	NUT, LOCK	1							
7	2	172B11-72140	PLUNGER, CUSHION	1							
8	2	172B11-72150	SEAL, CUSHION	1							
9	2	172B11-72160	RING, RETAINING	1							
10	2	172B11-72170	BEARING, SLEEVE	1							
11	2	172B11-72180	PIPE ASSY	1							
12	2	172B11-72190	ELBOW, G1/2	1							
13	2	172B11-72200	SEAL, DUST PIN 70	4							
14	2	172B11-72210	REPAIR KIT, TUBE AS	1							
16	3	172B11-71220	BUSH, PIN 70	1							
17	2	172B11-72220	REPAIR KIT, ROD AS	1							
19	3	172B11-71220	BUSH, PIN 70	1							
20	2	172B11-72230	SEAL KIT, PISTON	1							
21	3	172B11-71230	SEAL, PISTON	1							
22	3	172B11-71240	RING, WEAR	2							
23	2	172B11-72240	SEAL KIT, HEAD	1							
24	3	172B11-71250	SEAL, BUFFER	1							
25	3	172B11-71260	SEAL, ROD	1							
26	3	172B11-71270	RING, BACK UP	1							
27	3	172B11-71280	SEAL, DUST ROD	1							
28	3	172B11-71290	RING, BACK UP	3							
29	3	24315-001050	O-RING, 1BP105.0	2							
30	3	24321-001150	O-RING, 1AG115.0	1							
31	2	24761-020000	NIPPLE, GREASE PT1/8	1							
32	2	24761-050000	NIPPLE, GREASE C	1							
33	2	26076-100162	BOLT, 10 X 16	1							
33A	2	22137-100000	WASHER, 10	1							W
(A=M92224)											
34	1	172187-72910-N	COVER, SLIDE	1							
35	1	172A89-72960-N	COVER, HOSE	1							
36	1	172176-81700	SHIM, 70X120X0.8	2							
37	1	172176-81710	SHIM, 70X120X0.5	2							
38	1	172187-81801	PIN, 70X200	1							
39	1	172A89-81810	PIN ASSY, 70X252	1							
40	1	22157-140000	WASHER, 14	1							
41	1	22217-100000	WASHER, SPRING 10	1							
42	1	22217-140000	WASHER, SPRING 14	1							
43	1	26014-100202	BOLT, M10X 20	2							
44	1	26116-100202	BOLT, M10X 20 PLATED	1							
45	1	26116-121402	BOLT, M12X140 PLATED	1							
46	1	26116-140352	BOLT, M14X 35 PLATED	1							
47	1	26716-120002	NUT, M12	2							
48	1	933147-03400	WASHER, BRAKE ARM	1							
49	1	933168-14170	SPRING, 16	2							

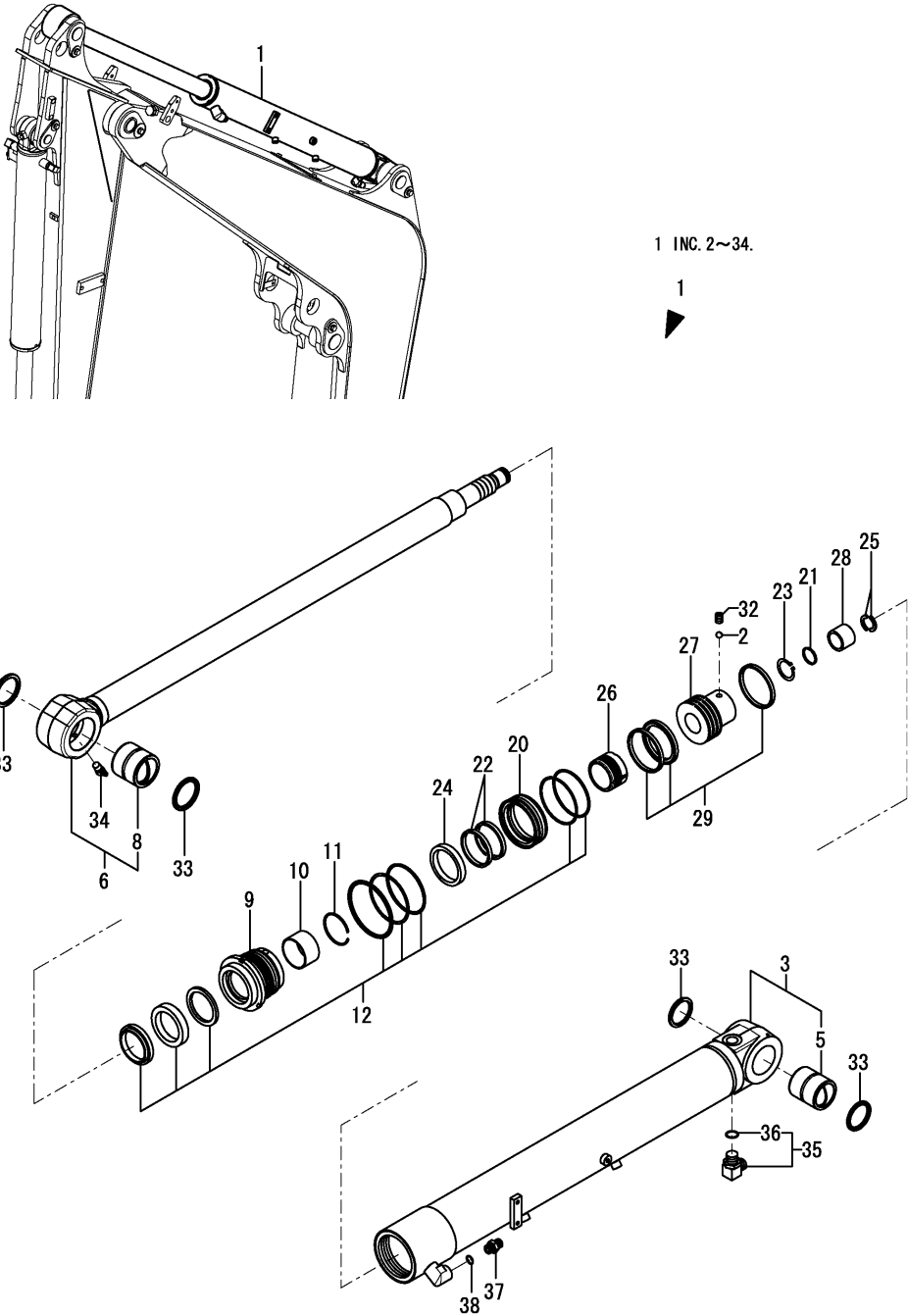
Remarks
*A : There is serial No..(K447XXX)
(1)Interchangeable by Fig.130(60B) No.3.
The inner parts are not compatible.

OCS10-M55800 HYDRAULIC OIL EQUIPMENT
Fig.130. (60B)BOOM CYLINDER(H SPEC.)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-45790	SPACER	1							
2	1	172162-61770	GUIDE, SLIDE	2							
3	1	172B11-72101	CYLINDER ASSY, BOOM	1							W
(A=M92224)											
4	2	172B11-96100	REPAIR KIT, ROD	1							
6	3	172B11-96120	BUSH, PIN 70X85X83	1							
7	3	172B11-96150	SEAL, DUST ROD 70	2							
8	2	172B11-96130	REPAIR KIT, TUBE	1							
9	3	172B11-96120	BUSH, PIN 70X85X83	1							
11	3	172B11-96150	SEAL, DUST ROD 70	2							
12	2	172B11-96160	SEAL KIT, HEAD 115 65	1							
20	2	172B11-96200	SEAL KIT, PISTON 115	1							
24	2	172B11-96240	PISTON, 115	1							
25	2	172B11-96250	HEAD, CYLINDER 115 65	1							
26	2	172B11-96260	BUSH, FLANGE 65	1							
27	2	172B11-96270	PLUNGER, CUSHION 78	1							
28	2	172B11-96280	PIPE ASSY	1							
29	2	172B11-97240	O-RING, 20X2	1							
30	2	172B11-97380	CLAMP, PIPE	1							
31	2	172B11-97390	WASHER	1							
32	2	172B11-97420	ELBOW, G1/2	1							
33	2	172B11-97710	NUT, M52	1							
34	2	172B11-97720	SHIM, 65X52.5X0.5	1							
35	2	172B11-97740	BUSH, 65X70X30	1							
36	2	172B11-97750	RING, RETAINING 65	1							
37	2	24190-080001	BALL, STEEL 1/4	1							
38	2	24761-020000	NIPPLE, GREASE PT1/8	1							
39	2	24761-050000	NIPPLE, GREASE C	1							
40	2	26076-080202	BOLT, 8 X 20	1							
41	2	26979-100122	SCREW, M10X12	1							
42	1	172187-72910-N	COVER, SLIDE	1							
43	1	172A89-72960-N	COVER, HOSE	1							
44	1	172176-81700	SHIM, 70X120X0.8	2							
45	1	172176-81710	SHIM, 70X120X0.5	2							
46	1	172187-81801	PIN, 70X200	1							
47	1	172A89-81810	PIN ASSY, 70X252	1							
48	1	22157-140000	WASHER, 14	1							
49	1	22217-100000	WASHER, SPRING 10	1							
50	1	22217-140000	WASHER, SPRING 14	1							
51	1	26014-100202	BOLT, M10X 20	2							
52	1	26116-100202	BOLT, M10X 20 PLATED	1							
53	1	26116-121402	BOLT, M12X140 PLATED	1							
54	1	26116-140352	BOLT, M14X 35 PLATED	1							
55	1	26716-120002	NUT, M12	2							
56	1	933147-03400	WASHER, BRAKE ARM	1							
57	1	933168-14170	SPRING, 16	2							

Fig.61. ARM CYLINDER



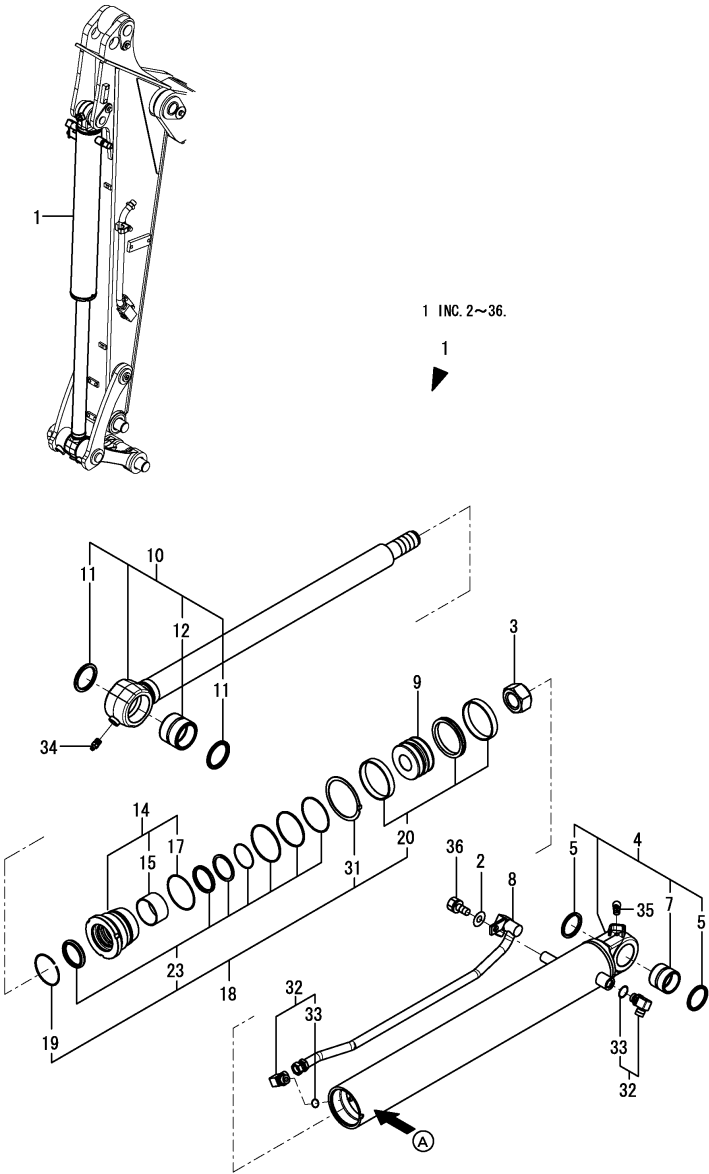
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-72300	CYLINDER ASSY, ARM	1							
1-1	1	172A89-72300-N	CYLINDER ASSY, ARM	1							S
(A=M92001)											
2	2	172124-70030	BALL, STEEL	1							
3	2	172A89-72310	TUBE KIT, CYLINDER	1							
3-1	2	172A89-72310-N	TUBE KIT, CYLINDER	1							S
(A=M92001)											
5	3	172A69-72480	BUSH, PIN	1							
6	2	172A89-72330	ROD KIT, PISTON	1							
8	3	172A69-72490	BUSH, PIN	1							
9	2	172A89-72350	HEAD, CYLINDER	1							
10	2	172A89-72360	BUSH	1							
11	2	172A89-72370	RING, SNAP	1							
12	2	172A89-72380	REPAIR KIT, CYLINDER	1							
20	2	172A89-72440	HOLDER	1							
21	2	172A69-72450	SEAL, CUSHION	1							
22	2	172A89-72450	SEAL, CUSHION	2							
23	2	172A69-72460	RING, SNAP	1							
24	2	172A89-72460	COLLAR	1							
25	2	172A69-72470	STOPPER	2							
26	2	172A89-72470	BEARING, CUSHION	1							
27	2	172A89-72480	PISTON	1							
28	2	172A89-72490	BEARING, CUSHION	1							
29	2	172A89-72750	REPAIR KIT, CYLINDER	1							
32	2	172162-72930	SCREW, SETTING	1							
33	2	172162-72950	SEAL, DUST	4							
34	2	24761-050000	NIPPLE, GREASE C	1							
35	1	172141-76900	CONNECTOR ASSY	1							
36	2	24315-000180	O-RING, 1BP18.0	1							
37	1	172112-77361	CONNECTOR	1							
38	1	41851-000180	O-RING	1							

(A)=VIO80(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-72500	CYLINDER ASSY	1							
1-1	1	172A89-72500-N	CYLINDER ASSY	1						S	
(A=M92001)											
1-2	1	172A89-72501-N	CYLINDER ASSY,BUCKET	1						N	
(A=*2012.07.)											
1-3	1	172A89-72501-N	CYLINDER ASSY,BUCKET	1						Z	
(A=*2013.05.)											
2	2	194145-04810	WASHER, 10	1							
3	2	172020-10810	NUT	1							
4	2	172A89-72510	TUBE ASSY, BUCKET	1							
4-1	2	172A89-72510-N	TUBE ASSY, BUCKET	1						S	
(A=M92001)											
5	3	172448-54120	SEAL, DUST	2							
7	3	172151-72591	BUSH	1							
8	2	172A89-72560	TUBE ASSY, BUCKET	1							
8-1	2	172A89-72560-N	TUBE ASSY, BUCKET	1						S	
(A=M92001)											
8-2	2	172A89-72561-N	TUBE ASSY,BUCKET	1						N	
(A=*2012.07.)											
9	2	172978-72590	PISTON 95	1							
10	2	172A89-72600	ROD ASSY,BUCKET	1							
11	3	172020-10620	SEAL, DUST	2							
12	3	172020-11030	BUSH, PIN	1							
14	2	172A89-72650	HEAD ASSY 95 60	1							
15	3	172445-72480	BUSH, ROD	1							
17	3	22207-065320	RING, 65X3.2	1							
18	2	172A89-72700	SEAL SET, 95X60	1							
19	3	172445-72450	RING, SPRING	1							
20	3	172978-72620	SEAL SET, PISTON 95	1							
23	3	172A89-72710	SEAL SET, HEAD 95X60	1							
31	3	172499-72981	WASHER,LOCK 95-114	1							
32	2	172141-76900	CONNECTOR ASSY	2							
33	3	24315-000180	O-RING, 1BP18.0	2							
34	2	24761-020000	NIPPLE, GREASE PT1/8	1							
35	2	24761-050000	NIPPLE, GREASE C	1							
36	2	26013-100252	BOLT, SPRING M10X 25	1							

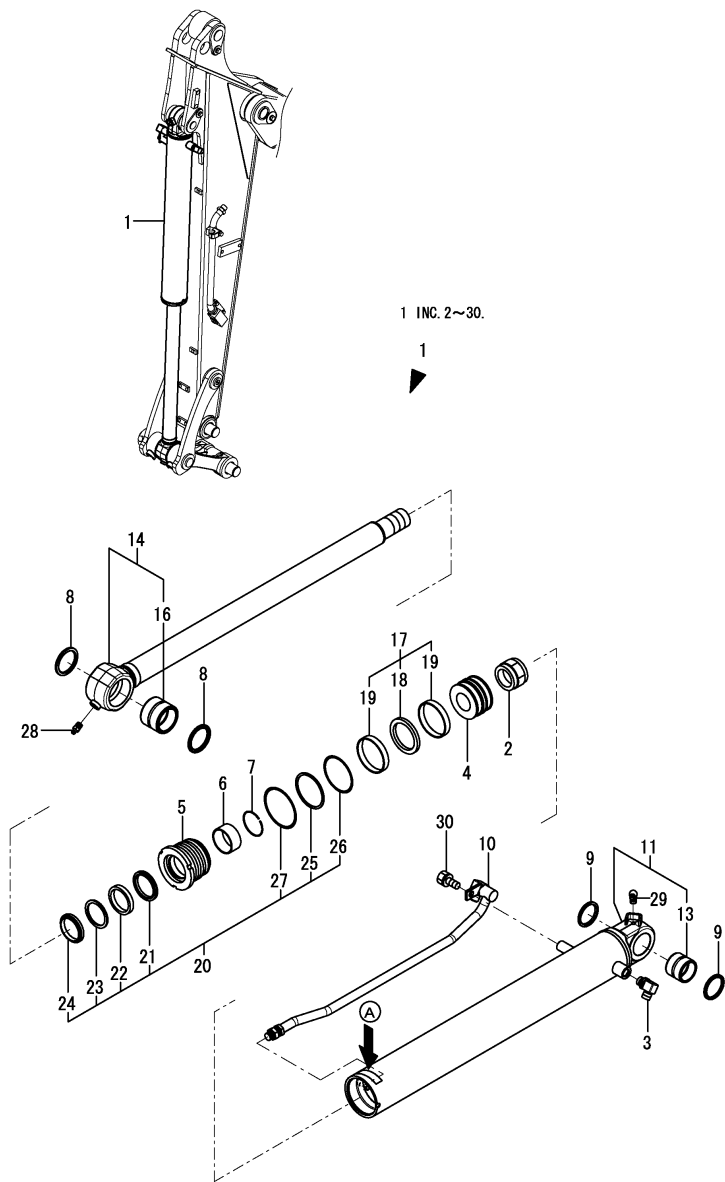
Remarks

* A : no mark.

Interchangeable by Fig.121(62A) & Fig.126(62B).

The inner parts are not compatible.

Fig.121. (62A)BUCKET CYLINDER(K SPEC.)



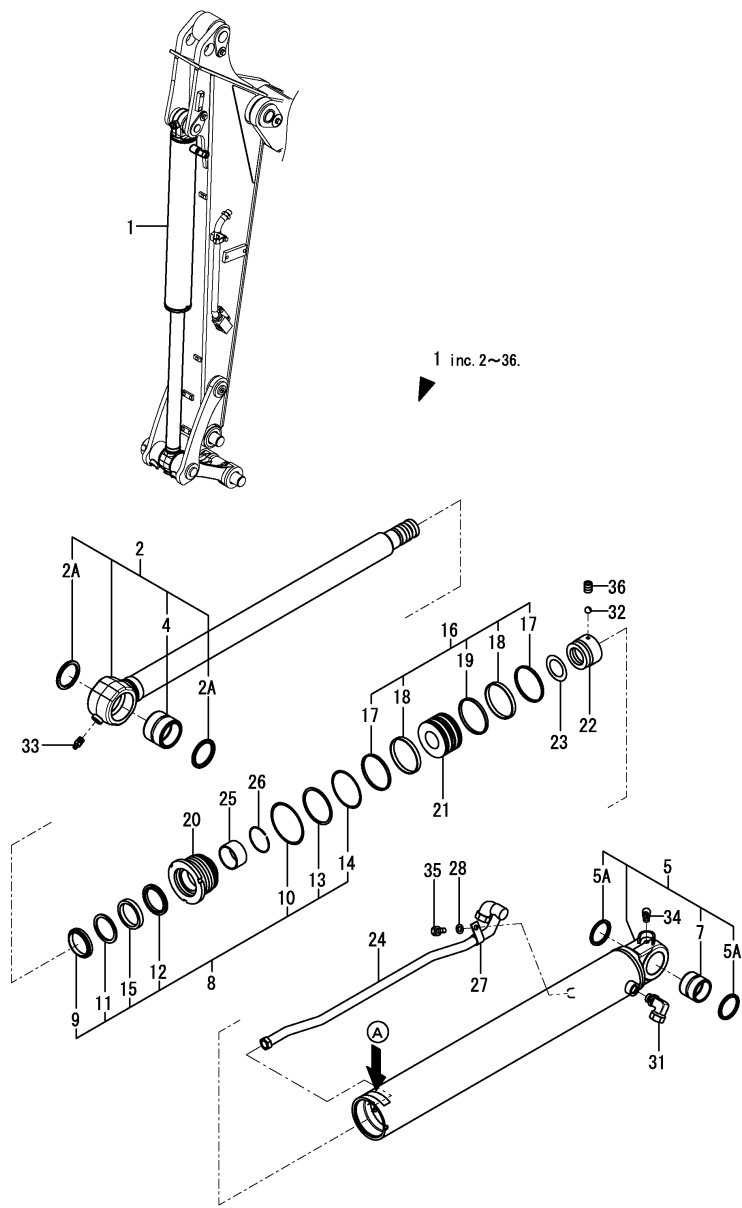
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72500	CYLINDER ASSY,BUCKET	1							Z
		(A)=*2016.03)									
2	2	172B11-72130	NUT, LOCK	1							
3	2	172B11-72190	ELBOW, G1/2	1							
4	2	172B11-72510	PISTON	1							
5	2	172B11-72520	HEAD	1							
6	2	172B11-72530	BEARING, SLEEVE	1							
7	2	172B11-72540	RING, RETAINING	1							
8	2	172B11-72550	SEAL, DUST PIN 60	2							
9	2	172B11-72560	SEAL, DUST PIN 50	2							
10	2	172B11-72570	PIPE ASSY	1							
11	2	172B11-72580	REPAIR KIT, TUBE AS	1							
13	3	172B11-71330	BUSH, PIN 50	1							
14	2	172B11-72590	REPAIR KIT, ROD AS	1							
16	3	172B11-71320	BUSH, PIN 60	1							
17	2	172B11-72600	SEAL KIT, PISTON	1							
18	3	172B11-71340	SEAL, PISTON	1							
19	3	172B11-71350	RING, WEAR	2							
20	2	172B11-72610	SEAL KIT, HEAD	1							
21	3	172B11-71360	SEAL, BUFFER	1							
22	3	172B11-71370	SEAL, ROD	1							
23	3	172B11-71380	RING, BACK UP	1							
24	3	172B11-71390	SEAL, DUST ROD	1							
25	3	172B11-71400	RING, BACK UP	1							
26	3	24315-000850	PACKING, P 85.0	1							
27	3	24321-000950	PACKING, G 95.0	1							
28	2	24761-020000	FITTING, PT 1/8	1							
29	2	24761-050000	FITTING, PT 1/8	1							
30	2	26076-100162	BOLT, 10 X 16	1							

Remarks
* A : There is parts No. & serial No.(K448XXX)
Interchangeable by Fig.126(62B).
The inner parts are not compatible.

Fig.126. (62B)BUCKET CYLINDER(J SPEC.)

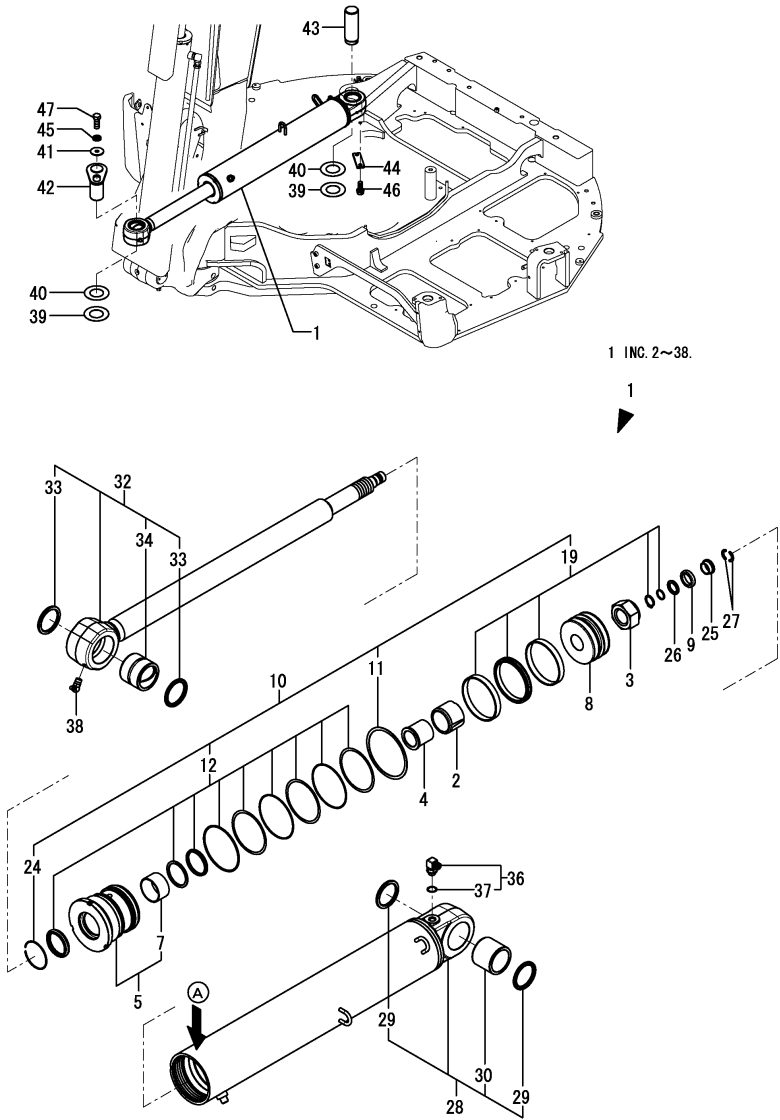


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72501	CYLINDER ASSY,BUCKET	1							W
(A=*2016.03)											
2	2	172B11-97100	REPAIR KIT, ROD	1							
2A	3	172B11-97400	SEAL, DUST PIN 60X75	2							W
(A=*2017.04.)											
4	3	172B11-97120	BUSH, PIN 60X75X58	1							
5	2	172B11-97130	REPAIR KIT, TUBE	1							
5A	3	172B11-97410	SEAL, DUST PIN 50X60	2							W
(A=*2017.04.)											
7	3	172B11-97150	BUSH, PIN 50X60X48	1							
8	2	172B11-97160	SEAL KIT, HEAD 95 60	1							
9	3	172B11-97170	SEAL, DUST ROD 60	1							
10	3	172B11-97180	O-RING, NBR HS90	1							
11	3	172B11-97190	SEAL, ROD 60	1							
12	3	172B11-97200	SEAL, BUFFER 60	1							
13	3	172B11-97210	RING, BACK UP	1							
14	3	172B11-97220	O-RING, NBR HS90	1							
15	3	172B11-97230	RING, BACK UP 60	1							
16	2	172B11-97250	SEAL KIT, PISTON 95	1							
17	3	172B11-97260	RING, WEAR 95	2							
18	3	172B11-97270	RING, WEAR 95	2							
19	3	172B11-97280	SEAL, PISTON 95	1							
20	2	172B11-97290	HEAD, CYLINDER 95 60	1							
21	2	172B11-97300	PISTON, 95	1							
22	2	172B11-97310	NUT, M45	1							
23	2	172B11-97320	SHIM, 65X45X0.5	1							
24	2	172B11-97330	PIPE ASSY	1							
25	2	172B11-97340	BUSH, 60X65X30	1							
26	2	172B11-97350	RING, RETAINING 60	1							
27	2	172B11-97380	CLAMP, PIPE	1							
28	2	172B11-97390	WASHER	1							
31	2	172B11-97420	ELBOW, G1/2	1							
32	2	24190-080001	BALL, STEEL 1/4	1							
33	2	24761-020000	NIPPLE, GREASE PT1/8	1							
34	2	24761-050000	NIPPLE, GREASE C	1							
35	2	26076-080202	BOLT, 8 X 20	1							
36	2	26979-100122	SCREW, M10X12	1							

Remarks
* A : There is parts No. & serial No.(172B11-72501HXXX)
The inner parts are not compatible.

(A)=VIO80(KR)
(B)=
(C)=

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



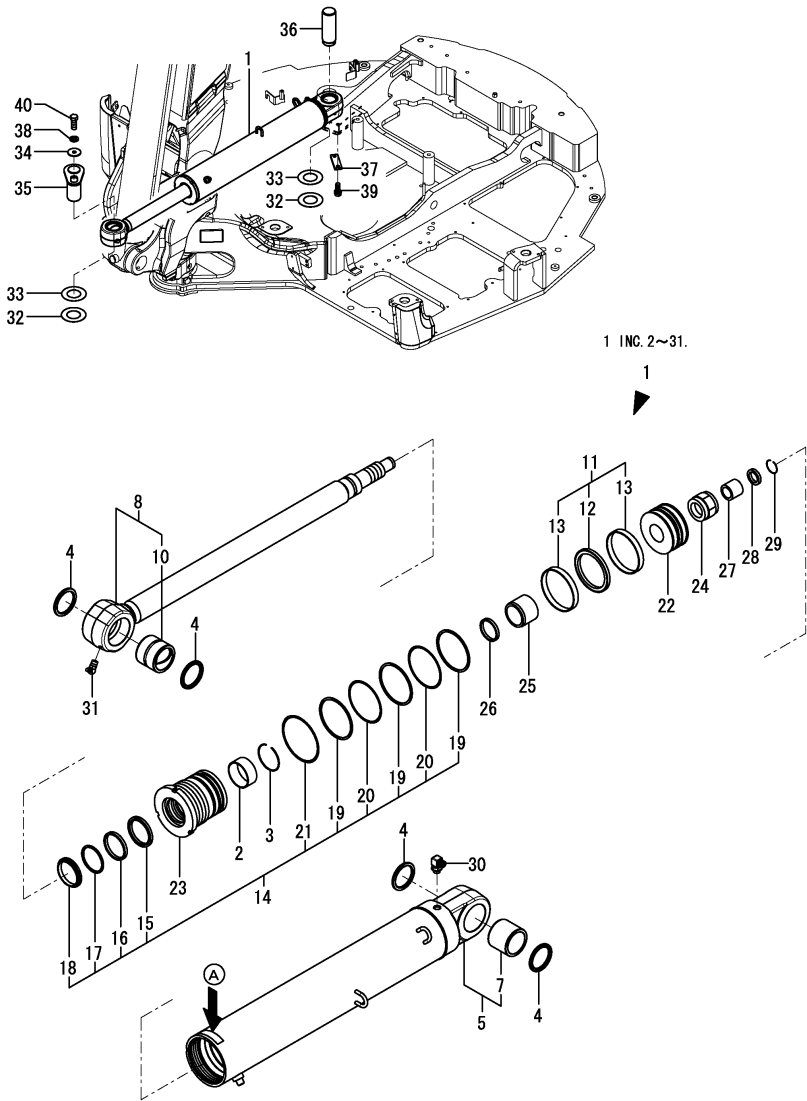
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-72700	CYLINDER ASSY, SWING	1						Z	1
(A=*2013.05.)											
2	2	172020-10730	PLUNGER, CUSHION	1							
3	2	172020-10810	NUT	1							
4	2	172020-10860	COLLAR, CUSHION	1							
5	2	172020-11300	HEAD ASSY	1							
7	3	172445-72480	BUSH, ROD	1							
8	2	172020-11320	PISTON	1							
9	2	172020-11340	RING, CUSHION	1							
10	2	172020-11690	SEAL SET, CYLINDER	1							
11	3	172020-11350	WASHER, LOCK	1							
12	3	172020-11700	SEAL SET, HEAD	1							
19	3	172020-11710	SEAL SET, PISTON	1							
24	3	172445-72450	RING, SPRING	1							
25	2	172423-72520	COLLAR, CUSHION	1							
26	2	172423-72530	SPACER	1							
27	2	172423-72540	STOPPER	2							
28	2	172A69-72710	TUBE ASSY, SWING	1							
29	3	172020-10620	SEAL, DUST	2							
30	3	172020-11230	BUSH, PIN	1							
32	2	172A69-72750	ROD ASSY, SWING	1							
33	3	172020-10620	SEAL, DUST	2							
34	3	172020-11280	BUSH, PIN	1							
36	2	172142-76181	JOINT ASSY	1							
37	3	24315-000140	O-RING, 1BP14.0	1							
38	2	24761-050000	NIPPLE, GREASE C	1							
39	1	172175-81700	SHIM	4							
40	1	172175-81710	SHIM	4							
41	1	172187-81970	WASHER	1							
42	1	172187-82370	PIN ASSY	1							
43	1	172A69-82370	PIN	1							
44	1	172162-94280-3	PLATE, LOCK	1							
45	1	22217-140000	WASHER, SPRING 14	1							
46	1	26013-120302	BOLT, SPRING M12X 30	2							
47	1	26116-140352	BOLT, M14X 35 PLATED	1							

Remarks
(1)A : no mark
Interchangeable by Fig.122(63A) No.1.
The inner parts are not compatible.

Fig.122. (63A)SWING CYLINDER(K SPEC.)

(A)=VIO80(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72700	CYLINDER ASSY, SWING	1						Z	1
		(A=M92224)									
2	2	172B11-72530	BEARING, SLEEVE	1							
3	2	172B11-72540	RING, RETAINING	1							
4	2	172B11-72550	SEAL, DUST PIN 60	4							
5	2	172B11-72620	REPAIR KIT, TUBE AS	1							
7	3	172B11-71520	BUSH, PIN 60	1							
8	2	172B11-72630	REPAIR KIT, ROD AS	1							
10	3	172B11-71530	BUSH, PIN 60	1							
11	2	172B11-72640	SEAL KIT, PISTON	1							
12	3	172B11-71540	SEAL, PISTON	1							
13	3	172B11-71550	RING, WEAR	2							
14	2	172B11-72650	SEAL KIT, HEAD	1							
15	3	172B11-71360	SEAL, BUFFER	1							
16	3	172B11-71370	SEAL, ROD	1							
17	3	172B11-71380	RING, BACK UP	1							
18	3	172B11-71390	SEAL, DUST ROD	1							
19	3	172B11-71560	RING, BACK UP	3							
20	3	24315-001100	O-RING, 1BP110.0	2							
21	3	24321-001200	O-RING, 1AG120.0	1							
22	2	172B11-72710	PISTON	1							
23	2	172B11-72720	HEAD	1							
24	2	172B11-72730	NUT, LOCK	1							
25	2	172B11-72740	PLUNGER, CUSHION	1							
26	2	172B11-72750	SEAL, CUSHION	1							
27	2	172B11-72760	PLUNGER, CUSHION	1							
28	2	172B11-72770	RING, PLATE	1							
29	2	172B11-72780	RING, RETAINING	1							
30	2	172B11-72790	ELBOW, G3/8	1							
31	2	24761-050000	NIPPLE, GREASE C	1							
32	1	172175-81700	SHIM, 60X110X0.8	4							
33	1	172175-81710	SHIM, 60X110X0.5	4							
34	1	172187-81970	WASHER, 15X58X3.2	1							
35	1	172187-82370	PIN ASSY, 60X144	1							
36	1	172A69-82370	PIN, 60X155	1							
37	1	172162-94280-3	PLATE, LOCK	1							
38	1	22217-140000	WASHER, SPRING 14	1							
39	1	26013-120302	BOLT, M12X 30	2							
40	1	26116-140352	BOLT, M14X 35 PLATED	1							

Remarks

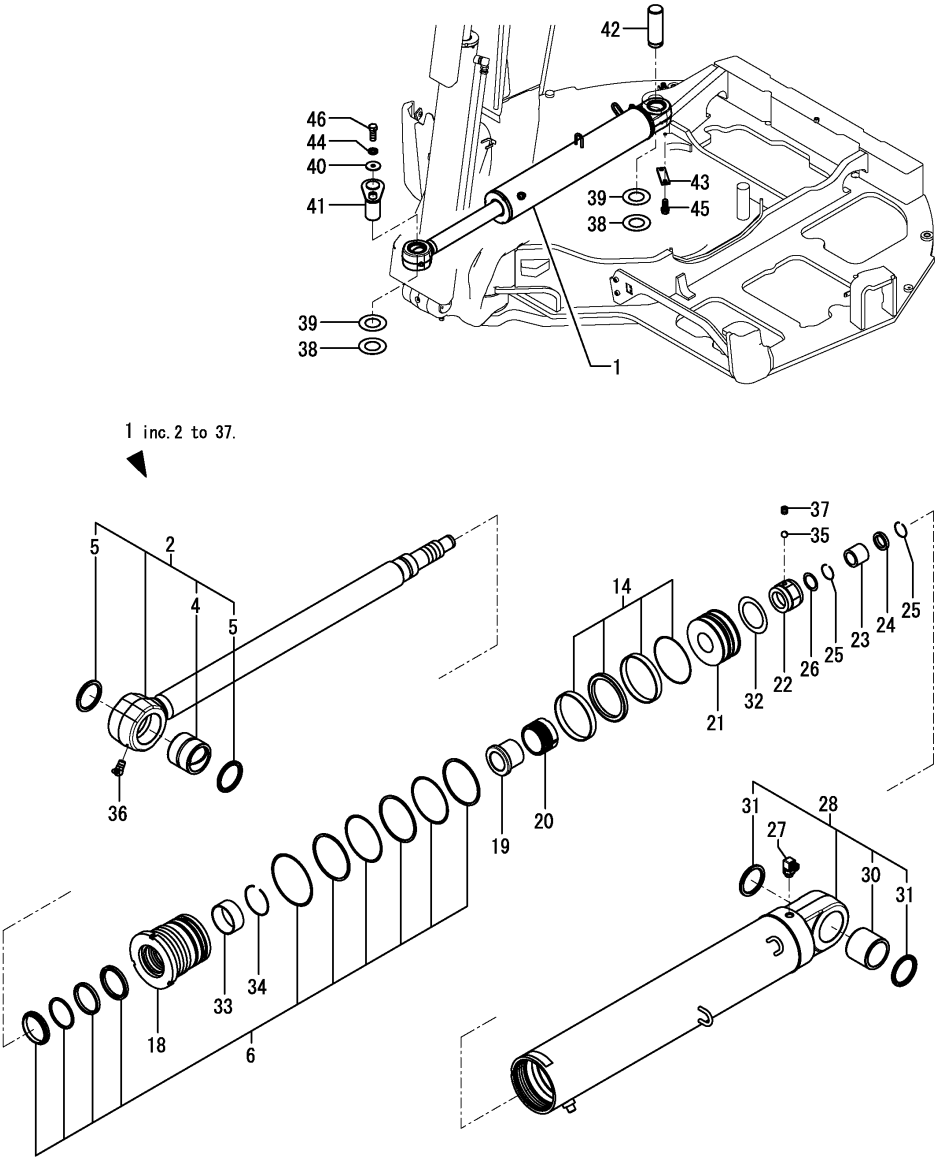
*A : There is serial No..(K449XXX)
(1)Interchangeable by Fig.131(63B) No.1.
The inner parts are not compatible.

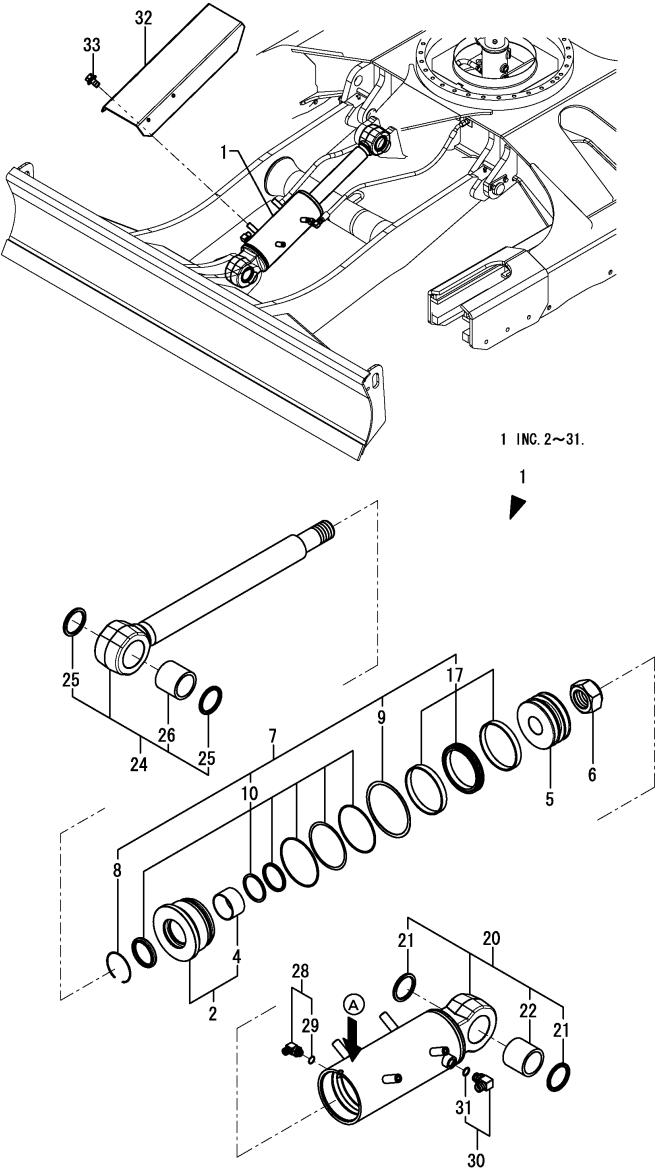
Fig.131. (63B)SWING CYLINDER(H SPEC.)

(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72701 (A=M92224)	CYLINDER ASSY, SWING	1							W
2	2	172B11-96400	REPAIR KIT, ROD	1							
4	3	172B11-96420	BUSH, PIN 60X75X63	1							
5	3	172B11-97400	SEAL, DUST PIN 60X75	2							
6	2	172B11-96460	SEAL KIT,HEAD 120 60	1							
14	2	172B11-96500	SEAL KIT, PISTON 120	1							
18	2	172B11-96550	HEAD,CYLINDER 120 60	1							
19	2	172B11-96560	BUSH, FLANGE 60	1							
20	2	172B11-96570	PLUNGER, CUSHION 78	1							
21	2	172B11-96580	PISTON, 120	1							
22	2	172B11-96590	NUT, M45	1							
23	2	172B11-96600	PLUNGER, CUSHION 32	1							
24	2	172B11-96610	CLAMP, 40X2.8	1							
25	2	172B11-96620	RETAINER, LING26X2.7	2							
26	2	172B11-96630	SEAL, BUFFER 23.5	1							
27	2	172B11-96640	ELBOW, G3/8	1							
28	2	172B11-96700	REPAIR KIT, TUBE	1							
30	3	172B11-96730	BUSH, PIN 60X75X63	1							
31	3	172B11-97400	SEAL, DUST PIN 60X75	2							
32	2	172B11-97320	SHIM, 65X45X0.5	1							
33	2	172B11-97340	BUSH, 60X65X30	1							
34	2	172B11-97350	RING, RETAINING 60	1							
35	2	24190-080001	BALL, STEEL 1/4	1							
36	2	24761-050000	NIPPLE, GREASE C	1							
37	2	26979-100122	SCREW, M10X12	1							
38	1	172175-81700	SHIM, 60X110X0.8	4							
39	1	172175-81710	SHIM, 60X110X0.5	4							
40	1	172187-81970	WASHER, 15X58X3.2	1							
41	1	172187-82370	PIN ASSY, 60X144	1							
42	1	172A69-82371	PIN, 60X155	1							
43	1	172162-94280-3	PLATE, LOCK	1							
44	1	22217-140000	WASHER, SPRING 14	1							
45	1	26013-120302	BOLT, M12X 30	2							
46	1	26116-140352	BOLT, M14X 35 PLATED	1							





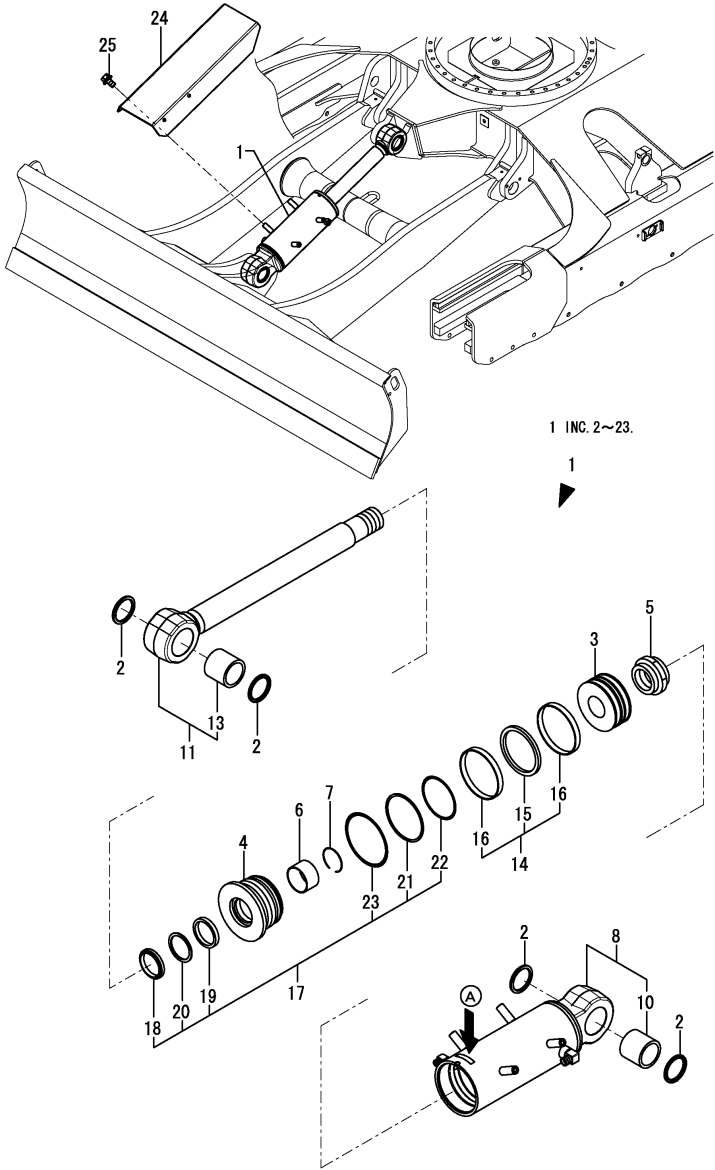
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-72800	CYLINDER ASSY, BLADE	1							Z
(A=*2013.05.)											
2	2	172020-11500	HEAD ASSY, 130 65	1							
4	3	24550-065400	BUSH, 65X40	1							
5	2	172020-11520	PISTON, 130	1							
6	2	172020-11540	U-NUT, M48X3	1							
7	2	172020-11720	SEAL SET, 130X65	1							
8	3	172020-10380	RING, SPRING 82	1							
9	3	172020-11530	WASHER, LOCK 130	1							
10	3	172020-11730	SEAL SET,HEAD 130X65	1							
17	3	172020-11740	SEAL SET, PISTON 130	1							
20	2	172A69-72810	TUBE ASSY, BLADE	1							
21	3	172020-10620	SEAL, DUST 60X75X5	2							
22	3	172020-11450	BUSH, PIN 60 68	1							
24	2	172A69-72850	ROD ASSY, BLADE	1							
25	3	172020-10620	SEAL, DUST 60X75X5	2							
26	3	172020-11450	BUSH, PIN 60 68	1							
28	2	172142-76181	JOINT, 90-3/8	1							
29	3	24315-000140	O-RING, 1BP14.0	1							
30	2	172141-76900	CONNECTOR ASSY, 1/2L	1							
31	3	24315-000180	O-RING, 1BP18.0	1							
32	1	172A69-72900	COVER ASSY, BLADE	1							
32-1	1	172B11-72900	COVER ASSY, CYLINDER	1							N
(A=M92134)											
33	1	26014-100202	BOLT, M10X 20	4							

Remarks
* A : no mark.
Interchangeable by Fig.123(64A) & Fig.127(64B).
The inner parts are not compatible.

Fig.123. (64A)BLADE CYLINDER(K SPEC.)



(A)=VIO80(KR)
(B)=
(C)=

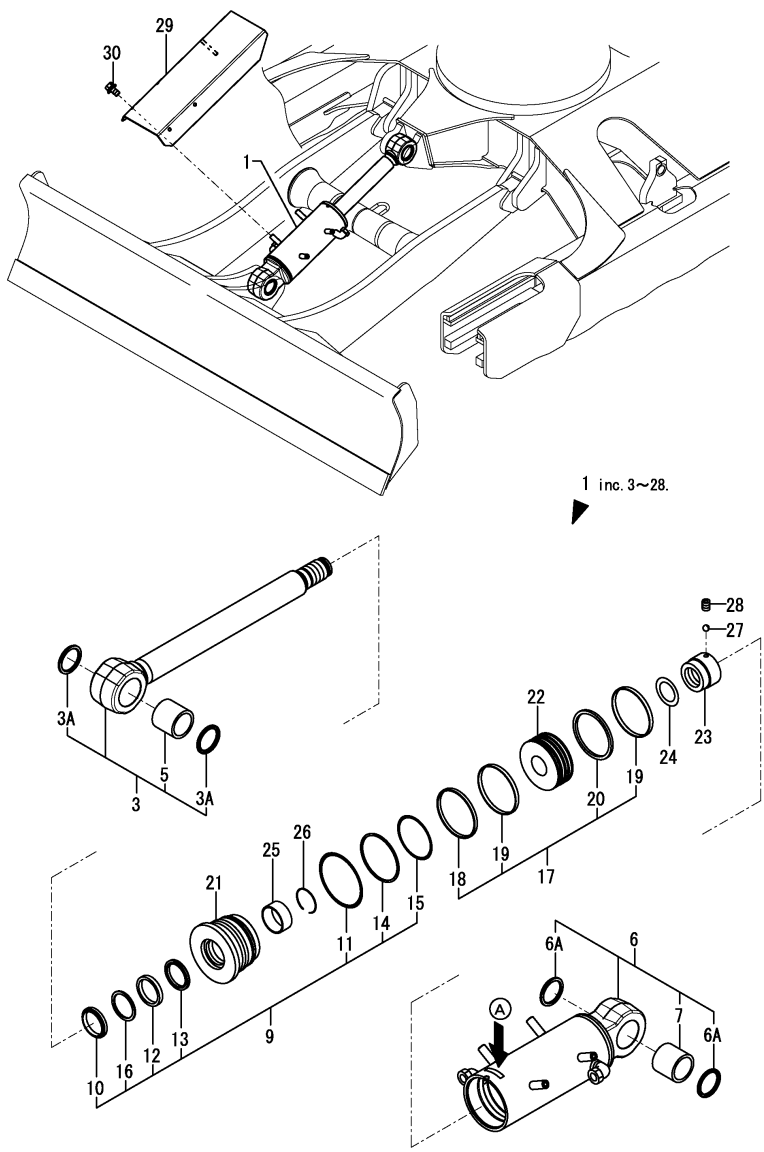
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72800	CYLINDER ASSY, BLADE	1							Z
(A=*2016.03)											
2	2	172B11-72550	SEAL, DUST PIN 60	4							
3	2	172B11-72810	PISTON	1							
4	2	172B11-72820	HEAD	1							
5	2	172B11-72830	NUT, LOCK	1							
6	2	172B11-72840	BEARING, SLEEVE	1							
7	2	172B11-72850	RING, RETAINING	1							
8	2	172B11-72860	REPAIR KIT, TUBE AS	1							
10	3	172B11-71720	BUSH, PIN 60	1							
11	2	172B11-72870	REPAIR KIT, ROD AS	1							
13	3	172B11-71720	BUSH, PIN 60	1							
14	2	172B11-72880	SEAL KIT, PISTON	1							
15	3	172B11-71730	SEAL, PISTON	1							
16	3	172B11-71740	RING, WEAR	2							
17	2	172B11-72890	SEAL KIT, HEAD	1							
18	3	172B11-71280	SEAL, DUST ROD	1							
19	3	172B11-71750	SEAL, ROD	1							
20	3	172B11-71760	RING, BACK UP	1							
21	3	172B11-71770	RING, BACK UP	1							
22	3	24315-001200	O-RING, 1BP120.0	1							
23	3	24321-001300	O-RING, 1AG130.0	1							
24	1	172B11-72900	COVER ASSY, BLADE	1							
25	1	26014-100202	BOLT, M10X 20	4							

Remarks
* A : There is parts No. & serial No.(K450XXX)
Interchangeable by Fig.127(64B).
The inner parts are not compatible.

OCS10-M55800 HYDRAULIC OIL EQUIPMENT

Fig.127. (64B)BLADE CYLINDER(J SPEC.)



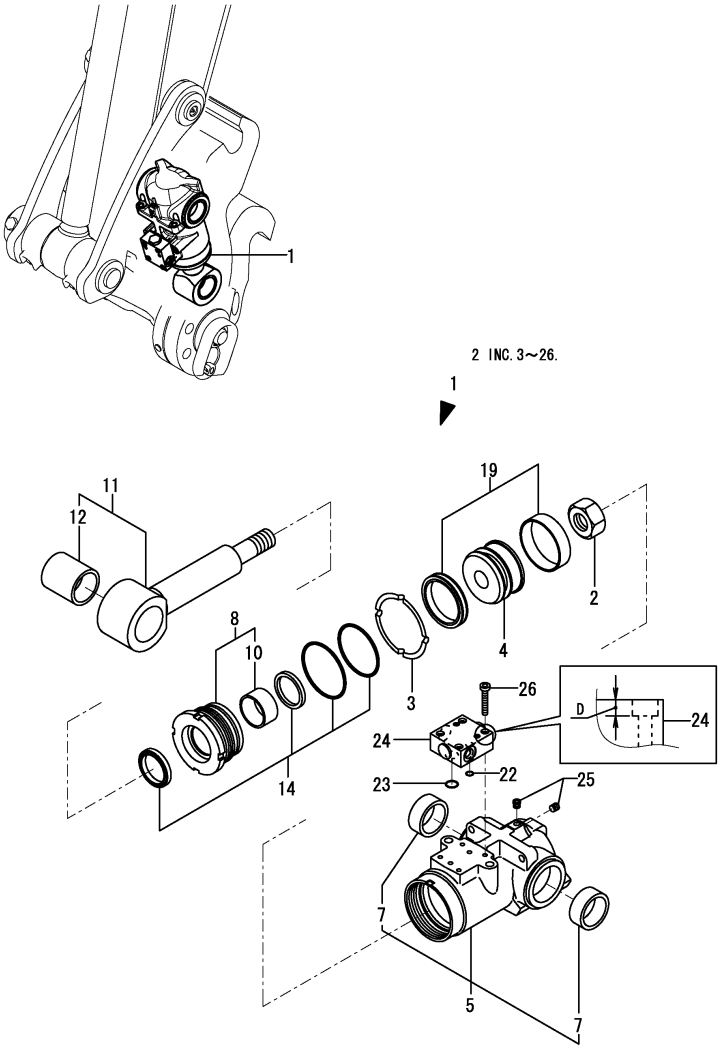
OCS10-M55800 Fig.127													
(A)=VIO80(KR) (B)= (C)=													
(D)= (E)= (F)=													
No.	Lev.	Parts No.	Description	Q'ty						I	R		
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	172B11-72801	CYLINDER ASSY, BLADE	1							W		
(A=*2016.03)													
3	2	172B11-97500	REPAIR KIT, ROD	1									
3A	3	172B11-97400	SEAL, DUST PIN 60X75	2							W		
(A=*2017.04.)													
5	3	172B11-97520	BUSH, PIN 60X75X68	1									
6	2	172B11-97530	REPAIR KIT, TUBE	1									
6A	3	172B11-97400	SEAL, DUST PIN 60X75	2							W		
(A=*2017.04.)													
7	3	172B11-97520	BUSH, PIN 60X75X68	1									
9	2	172B11-97560	SEAL KIT,HEAD 130 65	1									
10	3	172B11-97570	SEAL, DUST ROD 65	1									
11	3	172B11-97580	O-RING, NBR HS90	1									
12	3	172B11-97590	SEAL, ROD 65	1									
13	3	172B11-97600	SEAL, BUFFER 65	1									
14	3	172B11-97610	RING, BACK UP	1									
15	3	172B11-97620	O-RING, NBR HS90	1									
16	3	172B11-97630	RING, BACK UP 65	1									
17	2	172B11-97650	SEAL KIT, PISTON 130	1									
18	3	172B11-97660	RING, WEAR 130	1									
19	3	172B11-97670	RING, WEAR 130	2									
20	3	172B11-97680	SEAL, PISTON 130	1									
21	2	172B11-97690	HEAD,CYLINDER 130 65	1									
22	2	172B11-97700	PISTON, 130	1									
23	2	172B11-97710	NUT, M52	1									
24	2	172B11-97720	SHIM, 65X52.5X0.5	1									
25	2	172B11-97740	BUSH, 65X70X30	1									
26	2	172B11-97750	RING, RETAINING 65	1									
27	2	24190-080001	BALL, STEEL 1/4	1									
28	2	26979-100122	SCREW, M10X12	1									
29	1	172B11-72900	COVER ASSY, BLADE	1									
30	1	26014-100202	BOLT, M10X 20	4									

Remarks

* A : There is parts No. & serial No.(172B11-72801HXXX)

The inner parts are not compatible.

Fig.65. HITCH CYLINDER

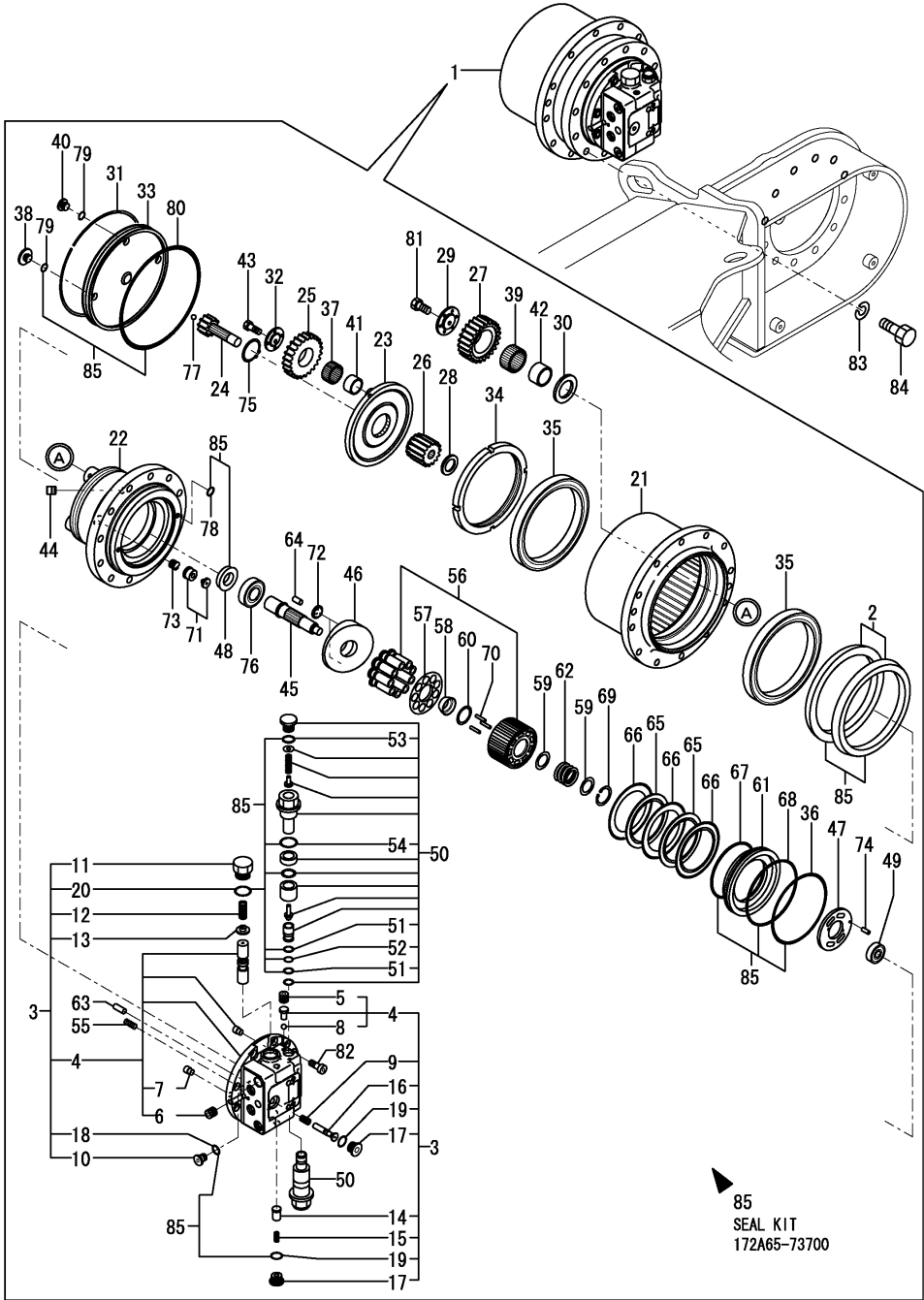


(A)=VIO80(KR)
(B)=
(C)=

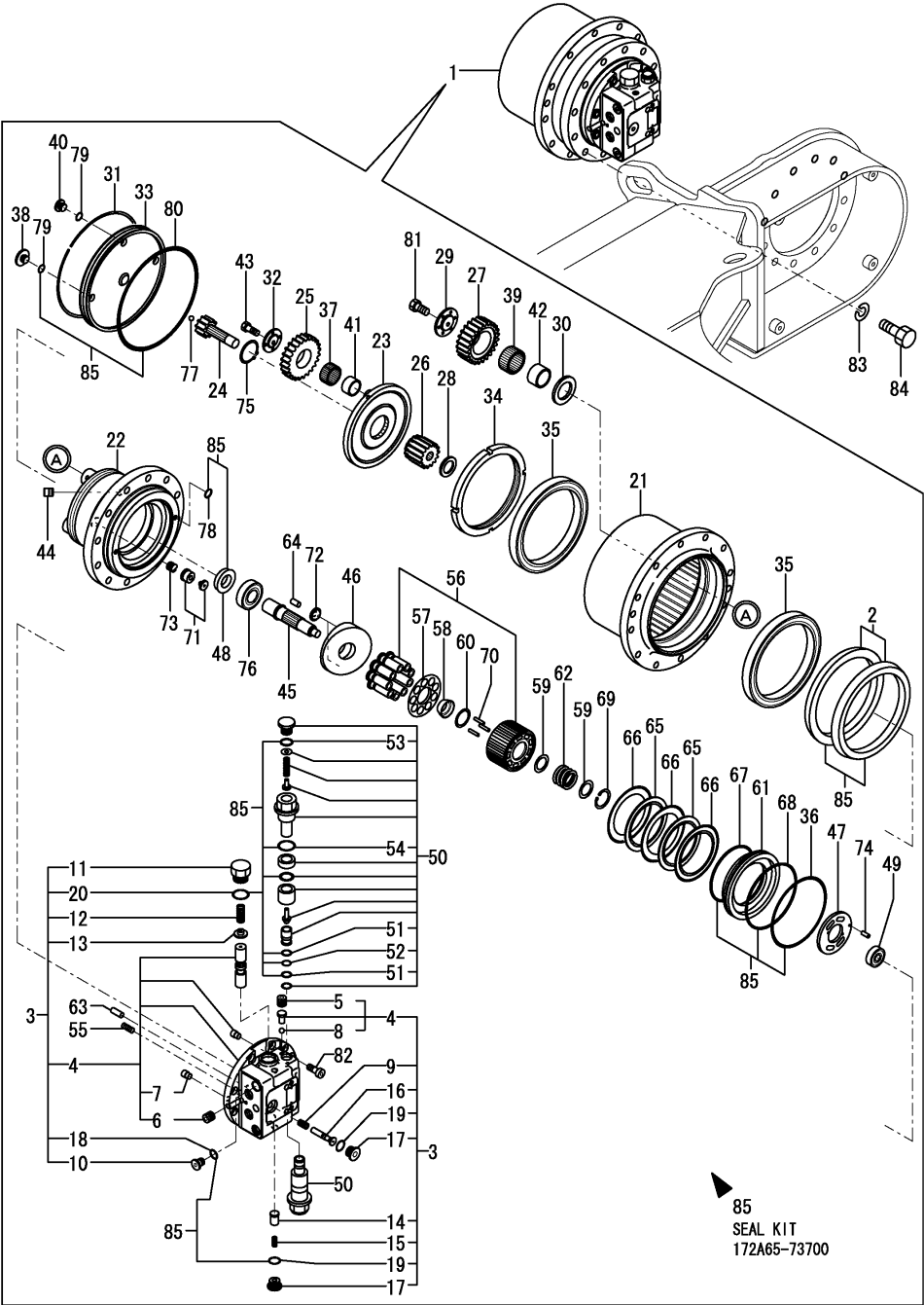
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172978-72800-2	CYLINDER, HITCH	1							
1-1	1	172978-72800-N	CYLINDER, HITCH	1							S
(A=M92001)											
2	2	172141-72250	NUT	1							
3	2	172142-72260	WASHER, LOCK	1							
4	2	172175-72480	PISTON 80	1							
5	2	172978-72810-2	TUBE, HITCH	1							
5-1	2	172978-72810-N	TUBE, HITCH	1							S
(A=M92001)											
7	3	172978-72890	BUSH 45-55-22	2							
8	2	172978-72860	HEAD 80 45	1							
10	3	24550-045250	BUSH, 45X25	1							
11	2	172978-72880	ROD ASSY,HITCH	1							
12	3	172151-71630	BUSH 45 60	1							
14	2	172978-72920	SEAL SET, HEAD 80X45	1							
19	2	172142-72951	SEAL SET, PISTON	1							
22	2	172958-72950	O-RING	1							
23	2	172958-72960	O-RING	1							
24	2	172958-72982-2	CHECK VALVE (2J)	1							
24-1	2	172958-72983	VALVE ASSY,OPERATE	1						F	1
(A=MZZZZZ)											
24-2	2	172958-72983-N	VALVE ASSY,OPERATE	1							S
(A=M92001)											
25	2	23871-005000	PLUG, R005	2							
26	2	26450-060352	BOLT, M6X 35	4							
26-1	2	26450-060302	BOLT, M6X 30	4							S
(A=MZZZZZ)											

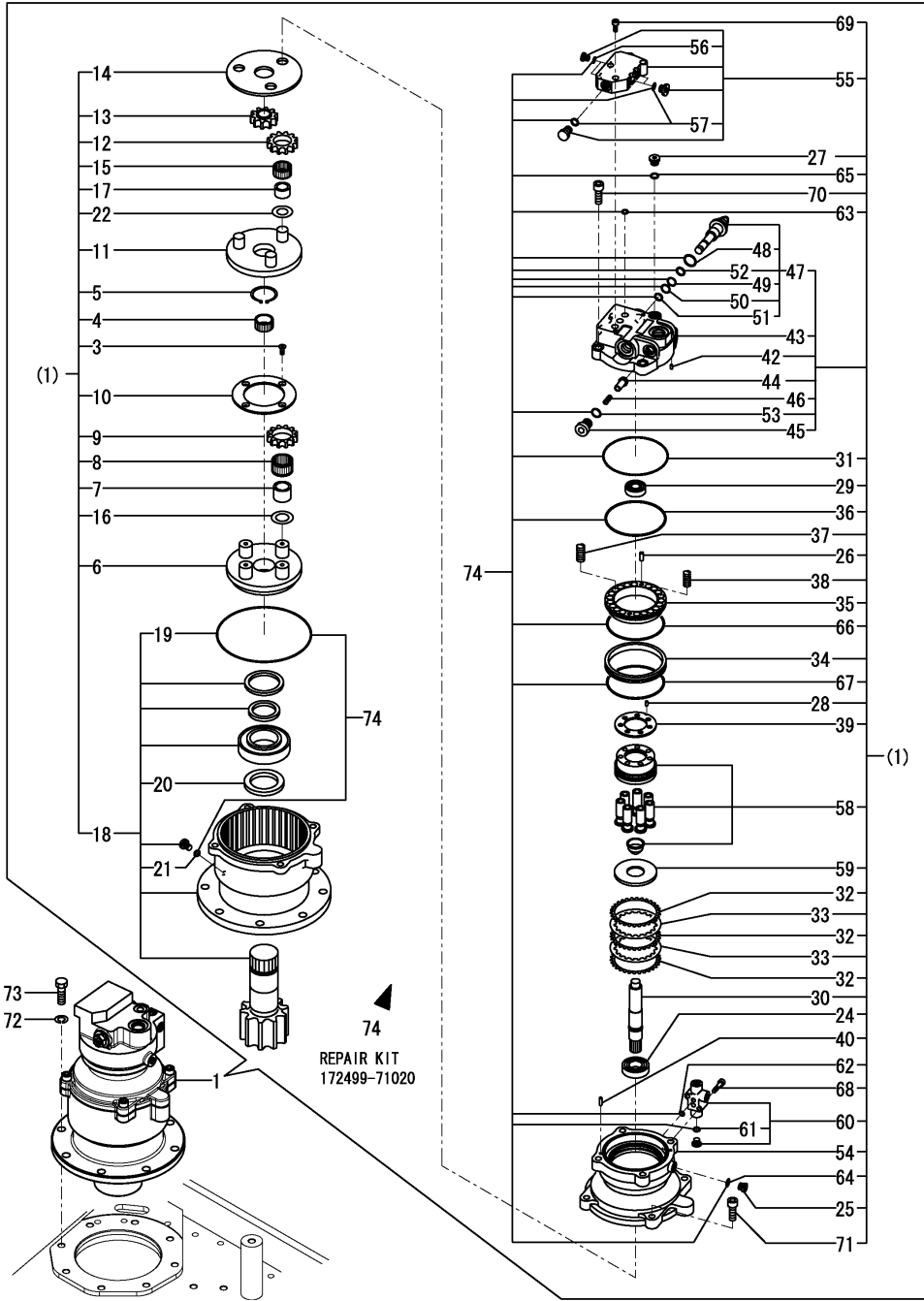
Remarks
(1)D=Ref.No.24 : 4mm,No.24-1 : 8mm.
Interchangeable by simultaneous
replacement with Ref.No.26-1.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-73300	MOTOR ASSY, DRIVE	2							
2	2	172A65-73310	SEAL SET, FLOATING	2							
3	2	172A89-73310	FLANGE, REAR	2							
4	3	172A89-73320	FLANGE, REAR	2							
5	4	172479-73750	PLUG	6							
6	4	172479-73760	PLUG	8							
7	4	172A69-73850	ORIFICE	2							
8	4	24190-060001	BALL, STEEL 3/16	2							
9	3	172A89-73340	SPRING	2							
10	3	172479-73480	PLUG	2							
11	3	172A65-73620	PLUG	4							
12	3	172A65-73630	SPRING	4							
13	3	172479-73800	SPRING RETAINER	4							
14	3	172479-73810	VALVE	4							
15	3	172479-73830	SPRING	4							
16	3	172A69-73830	SPOOL	2							
17	3	172479-73850	PLUG	6							
18	3	24315-000140	O-RING, 1BP14.0	2							
19	3	24315-000180	O-RING, 1BP18.0	6							
20	3	24315-000260	O-RING, 1BP26.0	4							
21	2	172A65-73320	HUB	2							
22	2	172A65-73330	SPINDLE	2							
23	2	172A65-73340	CARRIER	2							
24	2	172A65-73350	GEAR, SUN	2							
25	2	172A65-73360	GEAR, PLANETARY	6							
26	2	172A65-73370	GEAR, SUN	2							
27	2	172A65-73380	GEAR, PLANETARY	8							
28	2	172A65-73390	COLLAR, THRUST	2							
29	2	172A65-73400	WASHER 1, THRUST	8							
30	2	172A65-73410	WASHER 2, THRUST	8							
31	2	172479-73420	RING	2							
32	2	172A65-73420	WASHER 3, THRUST	6							
33	2	172A65-73430	COVER	2							
34	2	172A65-73440	NUT, RING	2							
35	2	172A65-73450	B.BEARING	4							
36	2	172499-73460	O-RING	2							
37	2	172A65-73460	ROLLER	6							
38	2	172479-73470	NUT	2							
39	2	172A65-73470	ROLLER	8							
40	2	172479-73480	PLUG	4							
41	2	172A65-73480	RING, INNER	6							
42	2	172A65-73490	RING, INNER	8							
43	2	172A65-73500	BOLT M8X20 10.9T	6							
44	2	172A65-73510	SCREW	4							
45	2	172A65-73520	SHAFT	2							
46	2	172A65-73530	SWASH PLATE	2							
47	2	172A65-73540	PLATE, TIMMING	2							
48	2	172A65-73550	SEAL, OIL	2							
49	2	172A65-73560	BEARING	2							
50	2	172A65-73570	VALVE ASSY, RELIEF	4							
51	3	172A65-73580	RING, BACK-UP	8							

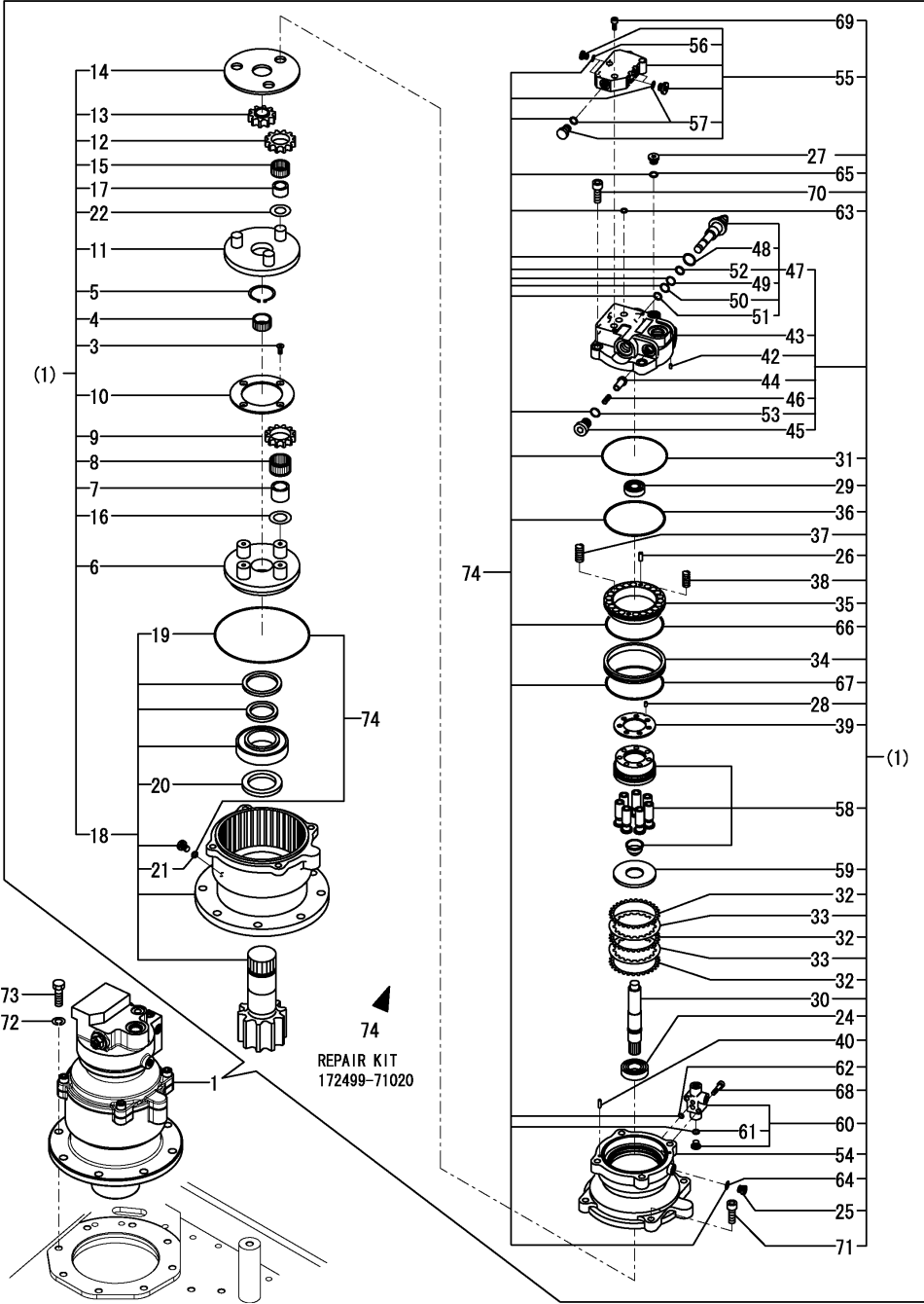


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
52	3	24315-000100	O-RING, 1BP10.0	4							
53	3	24315-000110	O-RING, 1BP11.0	4							
54	3	24315-000200	O-RING, 1BP20.0	4							
55	2	172479-73590	SPRING	20							
56	2	172499-73620	PISTON ASSEMBLY	2							
57	2	172499-73630	RETAINER PLATE	2							
58	2	172499-73640	THRUST BALL	2							
59	2	172499-73660	WASHER	4							
60	2	172499-73670	WASHER	2							
61	2	172499-73680	PISTON, HYDRAULIC	2							
62	2	172499-73700	SPRING	2							
63	2	172479-73710	PIN,STRAIGHT	4							
64	2	172479-73710	PIN,STRAIGHT	4							
65	2	172499-73710	PLATE,FRICTION	4							
66	2	172499-73720	PLATE	6							
67	2	172499-73760	O-RING	2							
68	2	172499-73770	O-RING	2							
69	2	172499-73780	RING	2							
70	2	172499-73810	ROLLER	6							
71	2	172499-73820	PISTON ASSEMBLY	2							
72	2	172499-73830	PIVOT	4							
73	2	172499-73870	SPRING	2							
74	2	172479-73950	PIN,STRAIGHT	2							
75	2	22242-000450	RING, 45	2							
76	2	24101-062064	BEARING, BALL 6206	2							
77	2	24190-120001	BALL, STEEL 3/8	2							
78	2	24315-000070	O-RING, 1BP7.0	4							
79	2	24315-000140	O-RING, 1BP14.0	6							
80	2	24321-002300	O-RING, 1AG230.0	2							
81	2	26076-100202	BOLT, 10.910X 20	8							
82	2	26450-120302	BOLT, M12X 30	16							
83	1	22217-160000	WASHER, SPRING 16	24							
84	1	26116-160452	BOLT, M16X 45 PLATED	24							
85	1	172A65-73700	SEAL SET	2							



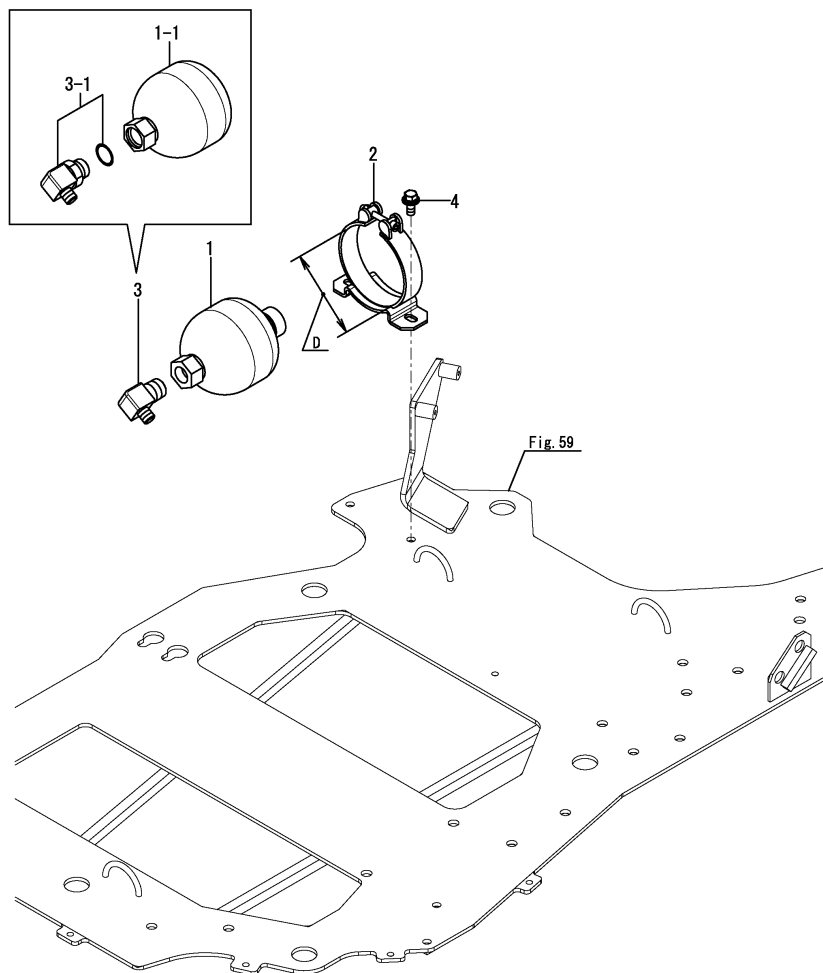
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-73310	MOTOR ASSY, SWING	1							
3	3	172162-70290	SCREW	4							
4	3	172162-70310	GEAR, SUN	1							
5	3	172162-70320	RING, SNAP	1							
6	3	172499-70720	HOLDER	1							
7	3	172499-70730	RACE, INNER	4							
8	3	172499-70740	BEARING, NEEDLE	4							
9	3	172499-70750	GEAR, PLANETARY	4							
10	3	172499-70760	PLATE, THRUST	1							
11	3	172499-70770	HOLDER	1							
12	3	172499-70780	GEAR, PLANETARY	3							
13	3	172499-70790	GEAR, DRIVE	1							
14	3	172499-71040	PLATE THRUST KIT	1							
15	3	172450-73360	NEEDLE BEARING	3							
16	3	172423-73370	WASHER	4							
17	3	172450-73370	INNER RACE	3							
18	3	172A69-73370	HOUSING ASSY	1							
19	4	172162-70150	O-RING	1							
20	4	172A69-73320	SEAL, OIL	1							
21	4	24315-000080	O-RING, 1BP8.0	1							
22	3	172450-73380	WASHER, THRUST	3							
24	3	172122-70260	BEARING	1							
25	3	172148-70301	PLUG	1							
26	3	172122-70410	PIN	2							
27	3	172147-70500	PLUG	1							
28	3	172122-70530	PIN	1							
29	3	172162-70590	BEARING, BALL	1							
30	3	172499-70810	SHAFT	1							
31	3	172162-70820	O-RING	1							
32	3	172499-70830	DISK	3							
33	3	172499-70840	PLATE, FRICTION	2							
34	3	172499-70850	COLLAR	1							
35	3	172499-70860	PISTON, BRAKE	1							
36	3	172499-70870	O-RING	1							
37	3	172499-70880	SPRING	12							
38	3	172499-70890	SPRING	8							
39	3	172499-70970	PLATE, VALVE	1							
40	3	172499-70980	PIN	2							
42	4	172124-70380	ORIFICE	1							
43	4	172499-70900	COVER	1							
44	4	172499-70910	POPPET	2							
45	4	172499-70920	PLUG	2							
46	4	172499-70930	SPRING	2							
47	4	172A69-73340	VALVE ASSY, RELIEF	2							
48	5	172499-70950	O-RING	2							
49	5	172499-70960	RING, BACK-UP	2							
50	5	172312-74780	RING, BUCK UP	2							
51	5	24315-000150	O-RING, 1BP15.0	2							
52	5	24315-000160	O-RING, 1BP16.0	2							
53	4	24315-000210	O-RING, 1BP21.0	2							
54	3	172A69-73330	CASE	1							

Fig.67. TURNING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
55	3	172A69-73350	VALVE ASSY	1							
56	4	24315-000110	O-RING, 1BP11.0	2							
57	4	24315-000140	O-RING, 1BP14.0	4							
58	3	172A69-73360	CYLINDER BLOCK ASSY	1							
59	3	172A69-73380	PLATE, THRUST	1							
60	3	172A69-73390	VALVE ASSY	1							
61	4	24315-000110	O-RING, 1BP11.0	1							
62	3	24315-000070	O-RING, 1BP7.0	2							
63	3	24315-000100	O-RING, 1BP10.0	3							
64	3	24315-000110	O-RING, 1BP11.0	1							
65	3	24315-000140	O-RING, 1BP14.0	1							
66	3	24325-001300	O-RING, 1BG130.0	1							
67	3	24325-001450	O-RING, 1BG145.0	1							
68	3	26450-060302	BOLT, M6X 30	2							
69	3	26450-080202	BOLT, M8X 20	3							
70	3	26450-140402	BOLT, M14X 40	4							
71	2	26450-140402	BOLT, M14X 40	4							
72	1	22217-160000	WASHER, SPRING 16	8							
73	1	26076-160502	BOLT, 10.916X 50	8							
74	1	172499-71020	REPAIR KIT	1							

Fig.68. ACCUMULATOR



Remarks
(1)D:Ref.No.2=92~95mm,
No.2-1=89~92mm.

(A)=VIO80(KR)
(B)=
(C)=

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

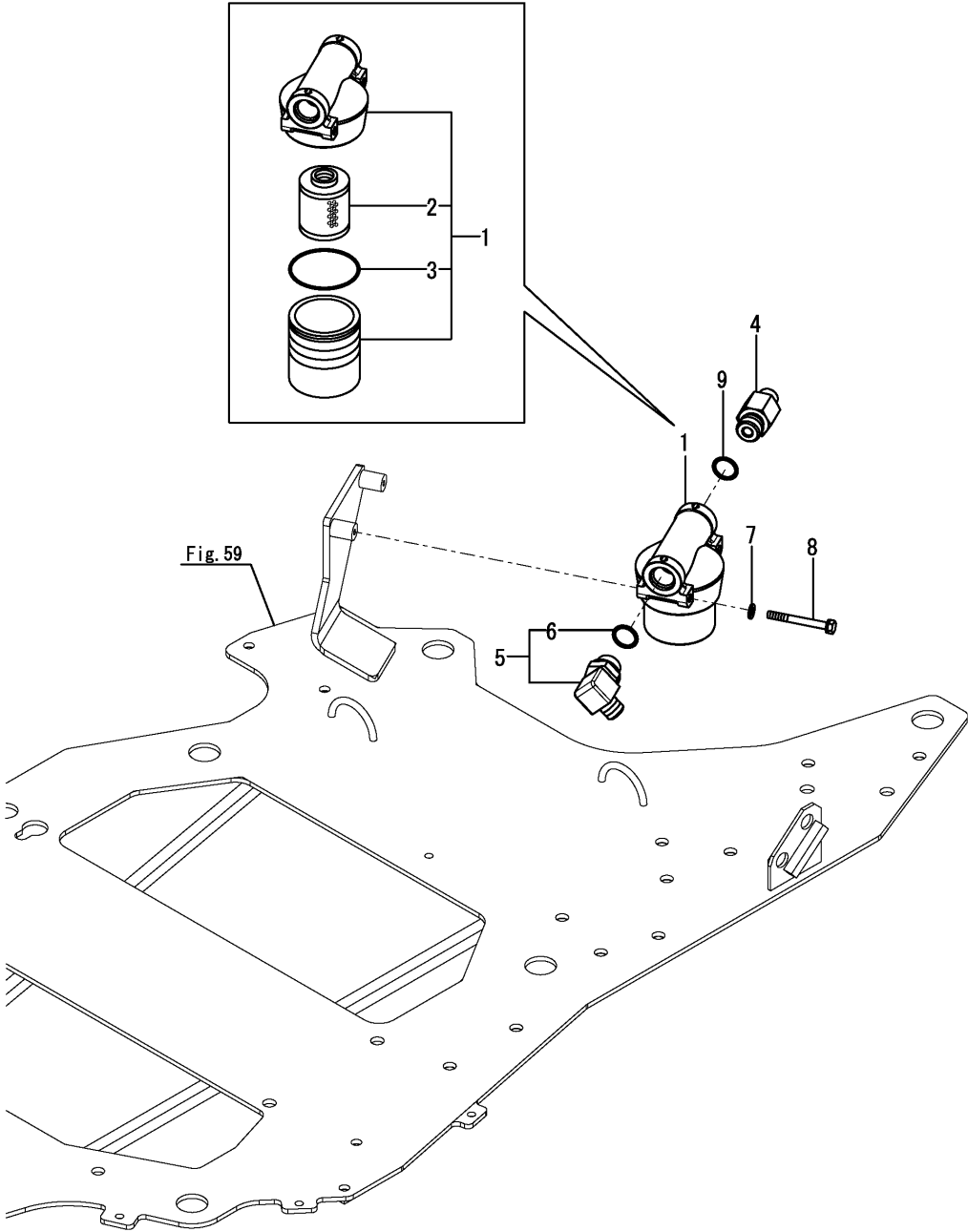
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172478-73600	ACCUMULATOR	1							
1-1	1	172B11-73600 (A=M92214)	ACCUMULATOR	1						S	
2	1	172478-73630	CLAMP	1							
2-1	1	172B11-73630 (A=M92214)	CLAMP	1						S	1
3	1	172478-76200	CONNECTOR	1							
3-1	1	172531-73550 (A=M92214)	ELBOW	1						S	
4	1	26014-080202	BOLT, M8X 20	1							
4-1	1	26014-080202 (A=*2012.06.)	BOLT, M8X 20	2						K	

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.69. LINE FILTER

(A)=VIO80(KR)
(B)=
(C)=

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

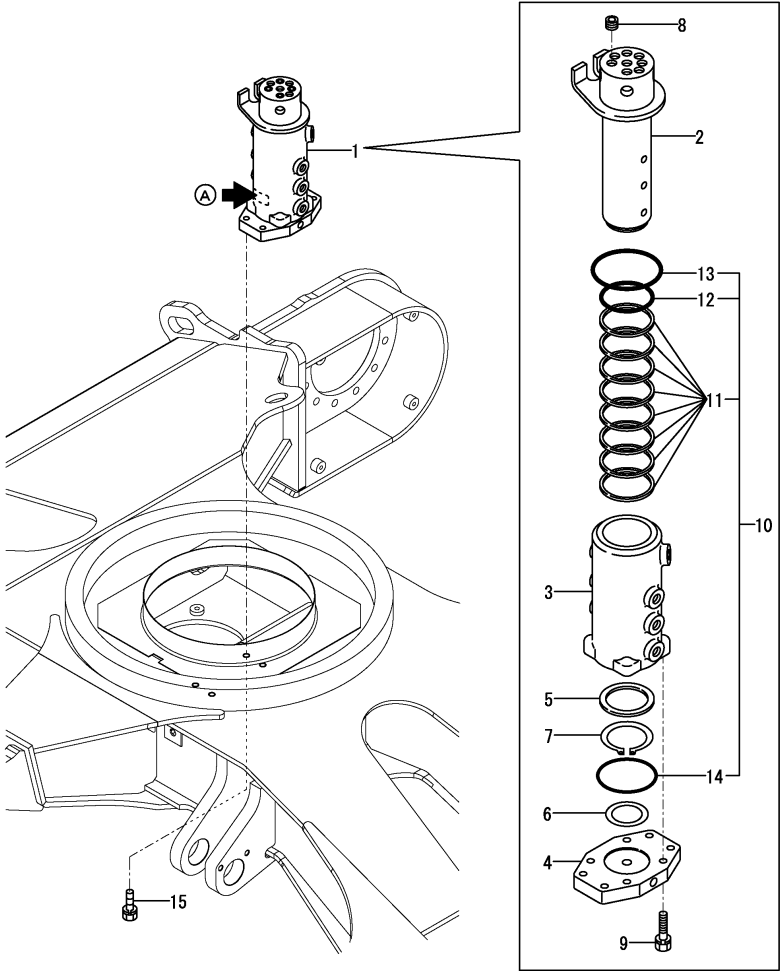


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172837-73700	LINE FILTER	1							
2	2	172837-73730	ELEMENT, FILTER	1							
3	2	172837-73740	O-RING	1							
4	1	172423-76100	CONNECTOR,PF1/2PF3/8	1							
5	1	172157-76300	ELBOW ASSY	1							
6	2	24315-000180	O-RING, 1BP18.0	1							
7	1	22137-060000	WASHER, 6	2							
8	1	26013-060552	BOLT, M6X 55	2							
9	1	41851-000180	O RING	1							

Fig.70. SWIVEL JOINT(Y SPEC.)TO M92121

(A)=VIO80(KR)
(B)=
(C)=

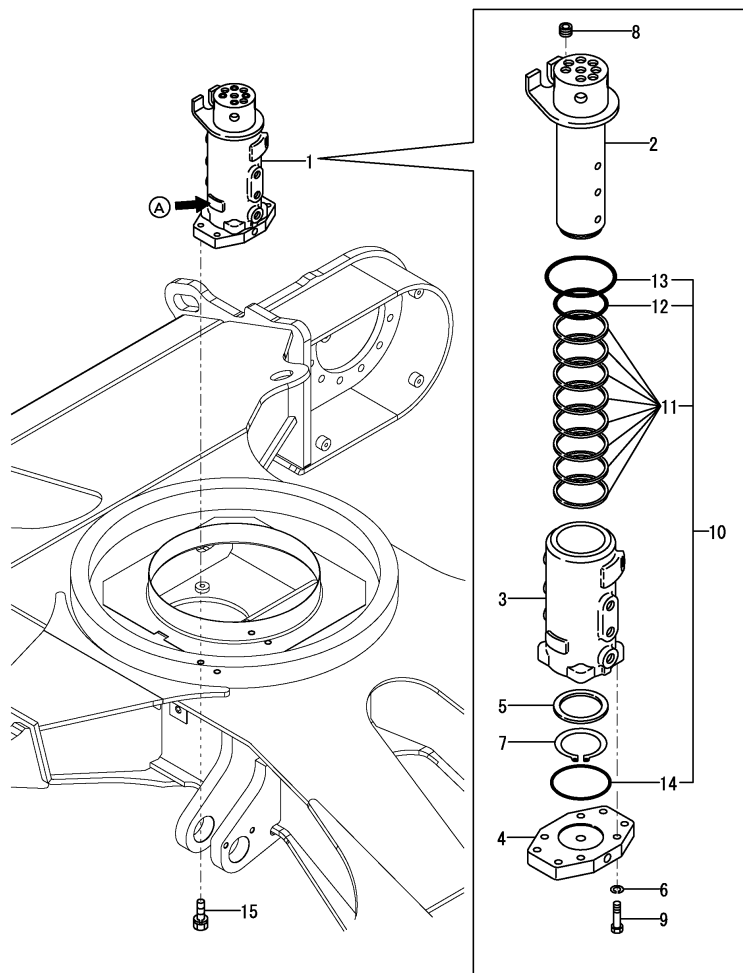
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-73801	JOINT ASSY, SWIVEL	1						Z	1
		(A=M92122)									
2	2	172147-73810	SHAFT, SWIVEL	1							
3	2	172147-73830	HUB, SWIVEL	1							
4	2	172147-73850	PLATE, SWIVEL	1							
5	2	172122-73860	SPACER, SWIVEL	1							
6	2	172122-73870	WASHER, THRUST	1							
7	2	22242-000700	RING, 70	1							
8	2	23871-030000	PLUG, R03	4							
9	2	26013-100402	BOLT, SPRING M10X 40	4							
10	2	172147-73880	SEAL ASSY	1							
11	3	172122-73890	SEAL, SWIVEL	8							
12	3	24311-000800	O-RING, 1AP80.0	1							
13	3	24311-001000	O-RING, 1AP100.0	1							
14	3	24321-000950	O-RING, 1AG95.0	1							
15	1	26013-120402	BOLT, SPRING M12X 40	4							

Remarks
(1)A : no label.
Interchangeable by Fig.119(70B) No.1.
The inner parts are not compatible.

Fig.118. (70A)SWIVEL JOINT(N SPEC.)FROM M92122



The inner parts are not compatible.

Q'ty

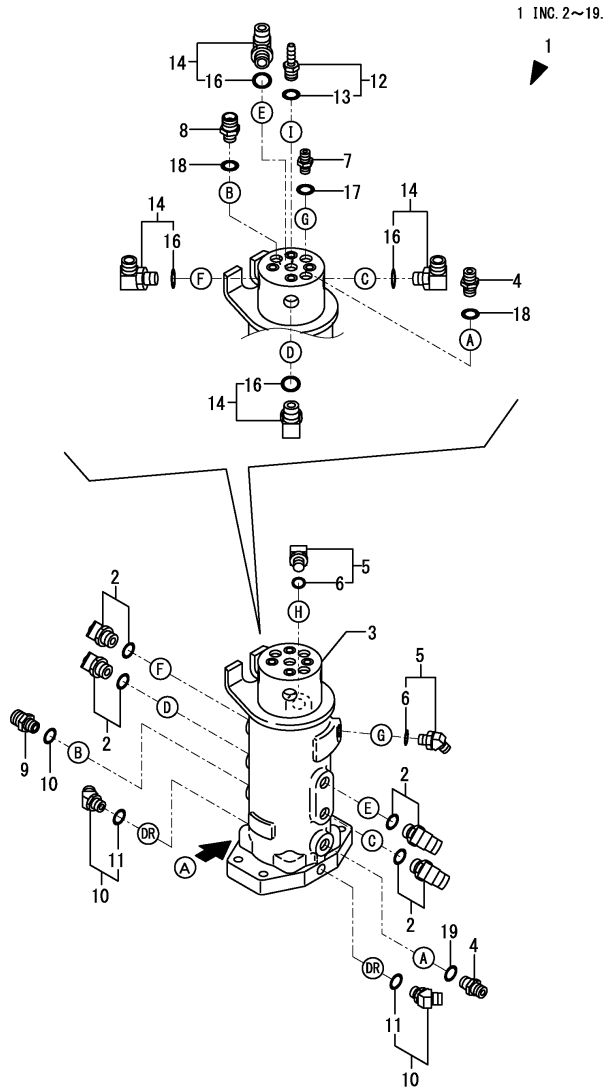
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A65-73800	JOINT ASSY, SWIVEL	1						W	1
	(A=M92122)										
2	2	172A65-73810	SHAFT ASSY	1							
3	2	172A65-73840	ROTOR	1							
4	2	172A65-73850	FLANGE	1							
5	2	172A65-73860	SPACER	1							
6	2	22217-100000	WASHER, SPRING 10	4							
7	2	22242-000720	RING, 72	1							
8	2	23871-030000	PLUG, R03	4							
9	2	26076-100402	BOLT, 10.910X 40	4							
10	2	172A65-73880	SEAL KIT	1							
11	3	172A65-73870	SEAL	8							
12	3	24315-000800	O-RING, 1BP80.0	1							
13	3	24315-001000	O-RING, 1BP100.0	1							
14	3	24325-000950	O-RING, 1BG95.0	1							
15	1	26013-120402	BOLT, SPRING M12X 40	4							

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

Fig.119. (70B)SWIVEL JOINT KIT(N SPEC.)FROM M92122

(A)=VIO80(KR)
(B)=
(C)=

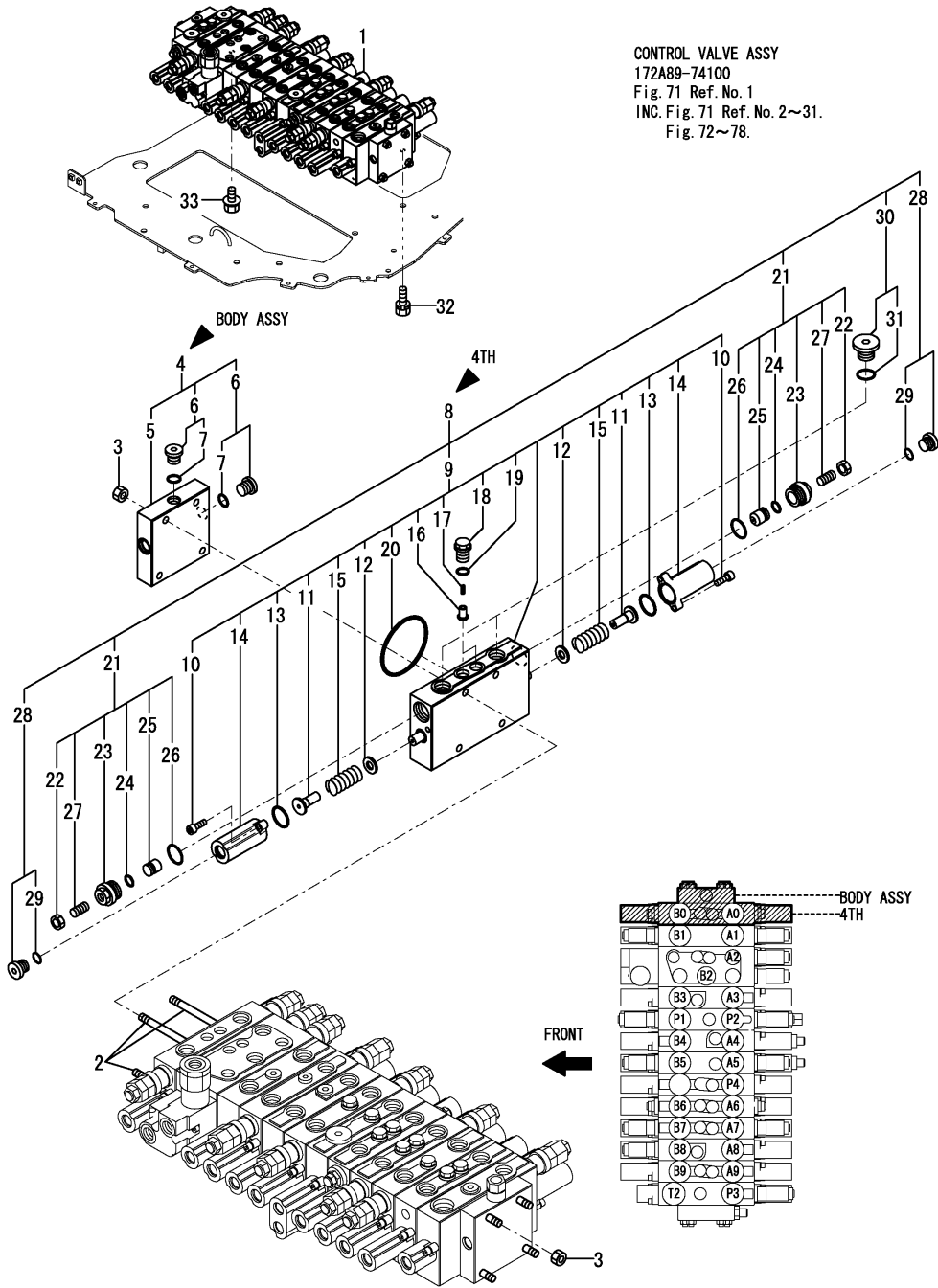
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-73900	JOINT KIT, SWIVEL	1							W
		(A=M92122)									
2	2	1D4180-22850	ELBOW, 45 PF1/2	4							
3	2	172A65-73800	JOINT ASSY, SWIVEL	1							1
4	2	172730-75141	ADAPTER	2							
5	2	172173-76102	CONNECTOR ASSY	2							
6	3	41851-000110	O-RING	1							
7	2	172123-76121	ADAPTER	1							
8	2	172168-76162	CONNECTOR, PF1/2X3/8	1							
9	2	172168-76162	CONNECTOR, PF1/2X3/8	1							
10	2	172644-76161	ELBOW, ADJUST	2							
11	3	24315-000140	O-RING, 1BP14.0	1							
12	2	172A65-76700	CONNECTOR, G3/8	1							
13	3	41851-000140	O-RING	1							
14	2	172141-76900	CONNECTOR ASSY	4							
16	3	24315-000180	O-RING, 1BP18.0	1							
17	2	41851-000110	O-RING	1							
18	2	41851-000140	O-RING	2							
19	2	41851-000140	O-RING	2							

Remarks
(1)A : 'NACHI' label.
Inner parts are shown in Fig.118(70A).

Fig.71. CONTROL VALVE(1/8)

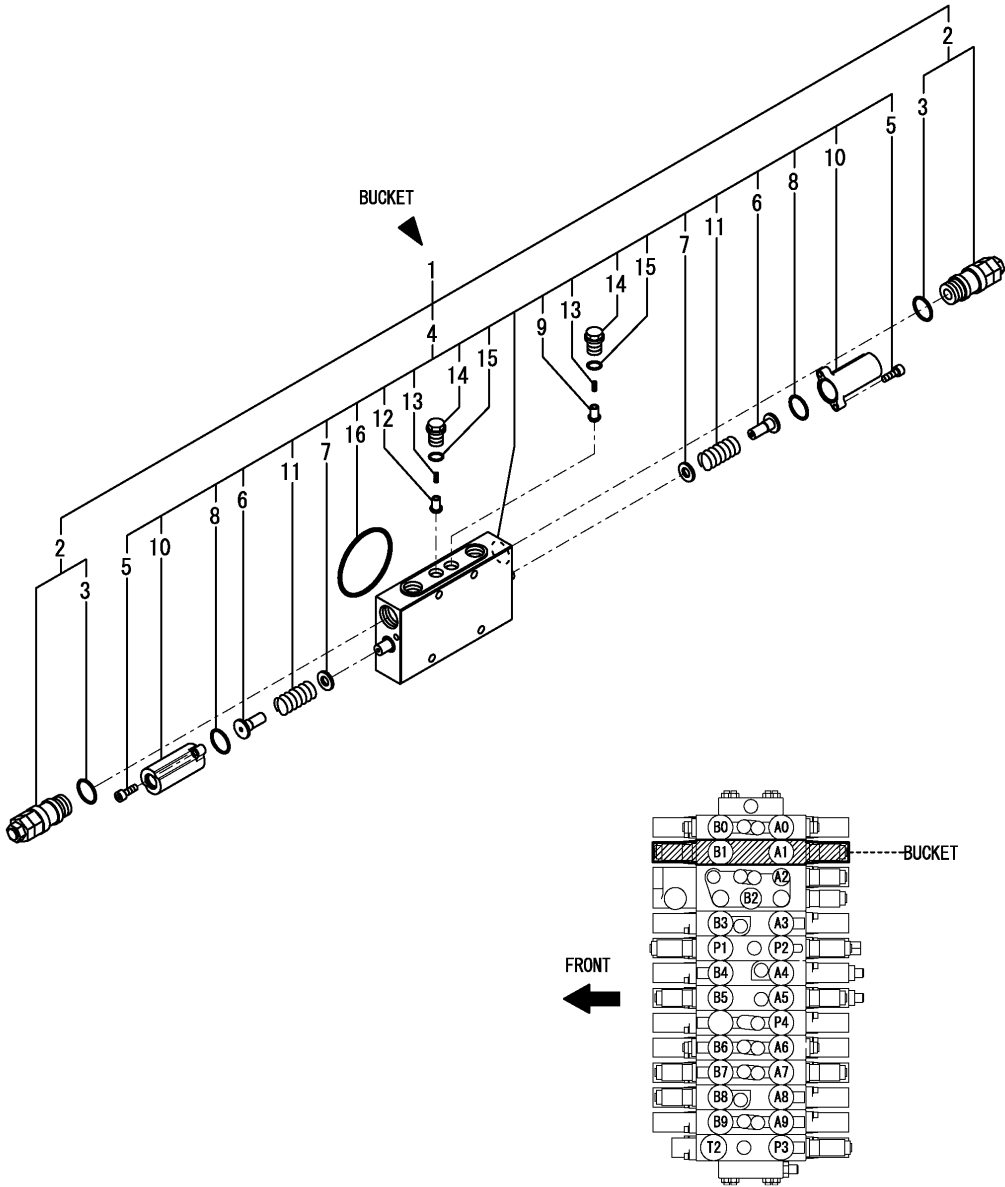


CONTROL VALVE ASSY
172A89-74100
Fig. 71 Ref. No. 1
INC. Fig. 71 Ref. No. 2~31.
Fig. 72~78.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-74100	VALVE ASSY, CONTROL	1							
1-1	1	172A89-74101	VALVE ASSY, CONTROL	1						N	
(A=MZZZZZ)											
1-2	1	172A89-74102	VALVE ASSY, CONTROL	1						N	
(A=MZZZZZ)											
2	2	172A69-71260	ROD, TIE	4							
3	2	172422-74110	NUT	8							
4	2	172A69-74110	BODY ASSY	1							
5	3	172478-74360	BODY	1							
6	3	172187-74530	PLUG ASSY	2							
7	4	24315-000110	O-RING, 1BP11.0	2							
8	2	172A69-74170	SECTION ASSY, 4TH	1							
9	3	172A69-74180	SECTION, 4TH	1							
10	4	172151-74060	BOLT, SOCKET HEAD	4							
11	4	172478-74180	SEAT, SPRING	2							
12	4	172175-74220	SEAT, SPRING	2							
13	4	172151-74320	O-RING	2							
14	4	172455-74390	CAP	2							
15	4	172455-74410	SPRING	2							
16	4	172455-74420	POPPET	2							
17	4	172455-74440	SPRING	2							
18	4	172455-74450	PLUG	2							
19	4	172455-74460	O-RING	2							
20	4	24321-000700	O-RING, 1AG70.0	1							
21	3	172455-74320	VALVE ASSY, SHUT-OFF	2							
22	4	172455-74010	NUT, SHOE	1							
23	4	172455-74020	PLUG	1							
24	4	172455-74030	O-RING	1							
25	4	172455-74040	POPPET	1							
26	4	172116-74150	O-RING	1							
27	4	172455-74990	SCREW, SETTING	1							
28	3	172187-74530	PLUG ASSY	2							
29	4	24315-000110	O-RING, 1BP11.0	1							
30	3	172187-74550	PLUG ASSY	2							
31	4	24315-000180	O-RING, 1BP18.0	2							
32	1	26013-100162	BOLT, M10X 16	2							
33	1	26106-100122	BOLT, M10X 12 PLATED	1							

Fig.72. CONTROL VALVE(2/8)

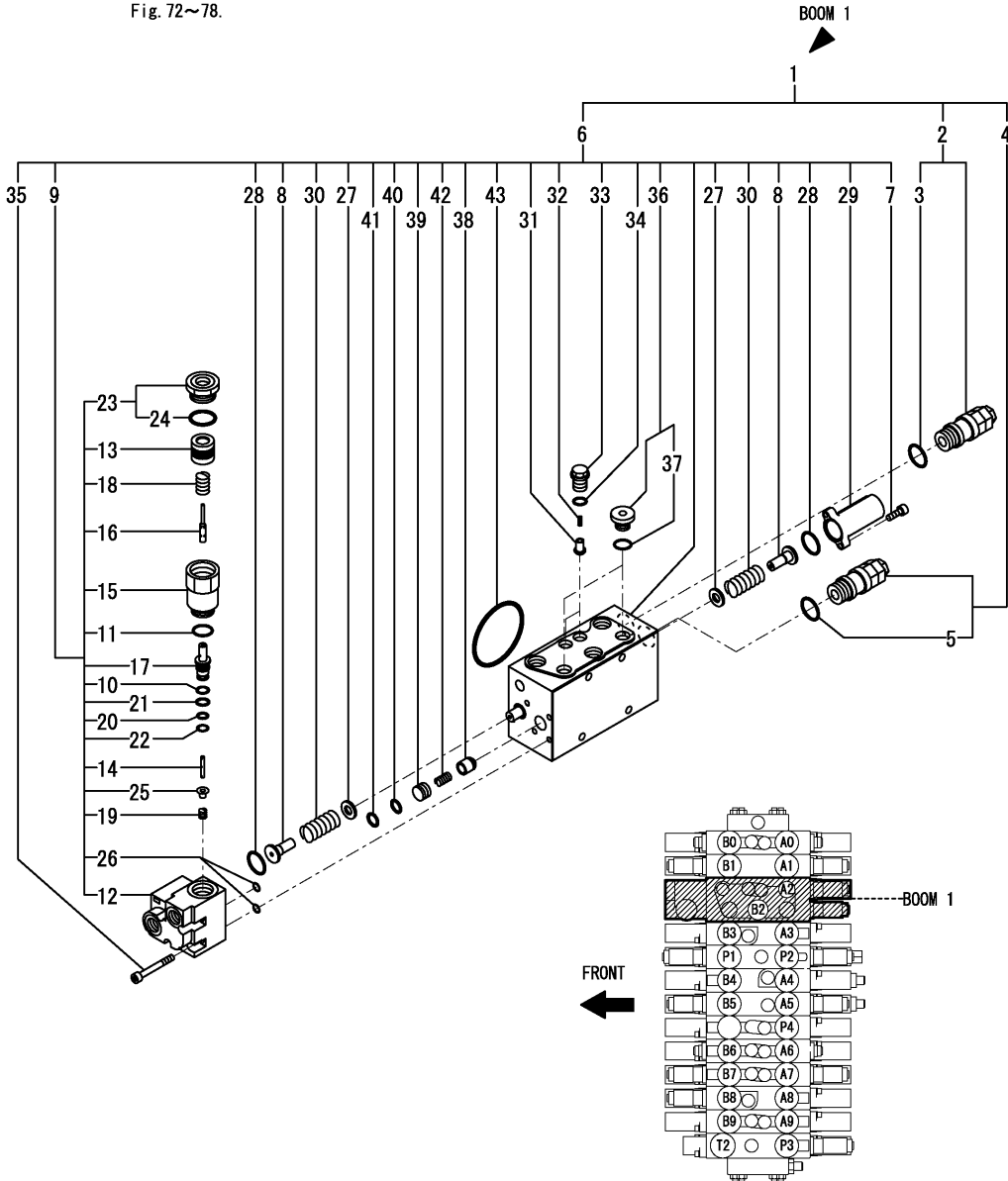
CONTROL VALVE ASSY
172A89-74100
Fig. 71 Ref. No. 1
INC. Fig. 71 Ref. No. 2~31.
Fig. 72~78.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74140	SECTION ASSY, BUCKET	1							
1-1	2	172A89-74141	SECTION ASSY, BUCKET	1						N	
(A=MZZZZZ)											
2	3	172A89-74150	VALVE RELIEF 29.5/50	2							
3	4	172116-74150	O-RING	1							
4	3	172A89-74160	SECTION, BUCKET	1							
4-1	3	172A89-74161	SECTION, BUCKET	1						N	
(A=MZZZZZ)											
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172478-74180	SEAT, SPRING	2							
7	4	172175-74220	SEAT, SPRING	2							
8	4	172151-74320	O-RING	2							
9	4	172478-74320	POPPET	1							
9-1	4	172478-74170	POPPET	1						N	
(A=MZZZZZ)											
10	4	172455-74390	CAP	2							
11	4	172455-74410	SPRING	2							
12	4	172455-74420	POPPET	1							
13	4	172455-74440	SPRING	2							
14	4	172455-74450	PLUG	2							
15	4	172455-74460	O-RING	2							
16	4	24321-000700	O-RING, 1AG70.0	1							

Fig.73. CONTROL VALVE(3/8)

CONTROL VALVE ASSY
172A89-74100
Fig. 71 Ref. No. 1
INC. Fig. 71 Ref. No. 2~31.
Fig. 72~78.

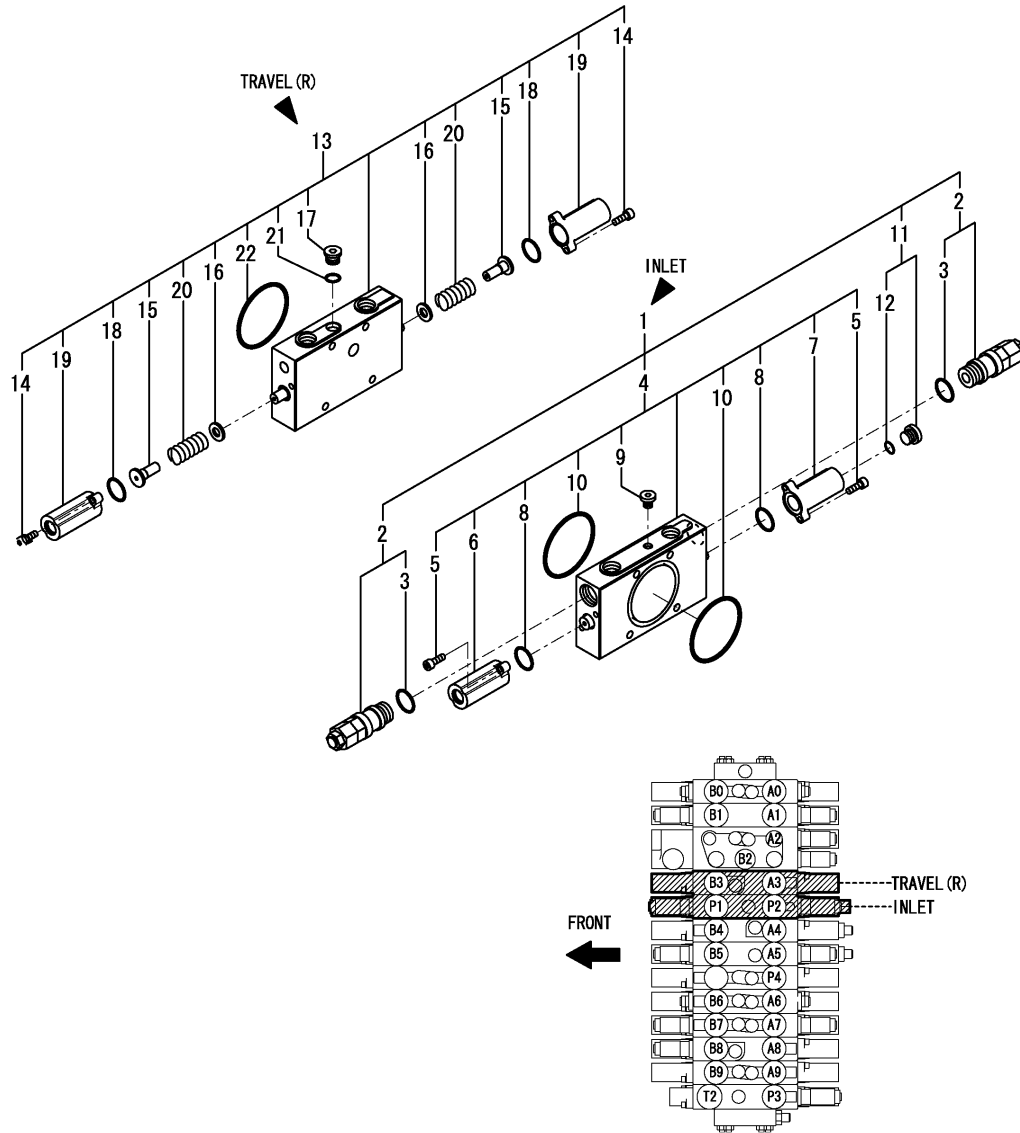


OCS10-M55800 Fig.73												
			(A)=VIO80(KR)	(D)=								
			(B)=	(E)=								
			(C)=	(F)=								
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	2	172A89-74180	SECTION ASSY, BOOM	1								
2	3	172A89-74150	VALVE RELIEF 29.5/50	1								
3	4	172116-74150	O-RING	1								
4	3	172A89-74190	VALVE RELIEF 29.5/50	1								
5	4	172116-74150	O-RING	1								
6	3	172A89-74200	SECTION, BOOM	1								
7	4	172151-74060	BOLT, SOCKET HEAD	2								
8	4	172478-74180	SEAT, SPRING	2								
9	4	172488-74200	ANTI-DRIFT VALVE	1								
10	5	172638-73650	RING	1								
11	5	172116-74150	O-RING	1								
12	5	172488-74210	BODY	1								
13	5	172488-74220	PISTON	1								
14	5	172455-74590	POPPET	1								
15	5	172455-74600	PLUG	1								
16	5	172455-74620	SPOOL	1								
17	5	172455-74630	SLEEVE	1								
18	5	172455-74640	SPRING	1								
19	5	172455-74650	SPRING	1								
20	5	172455-74660	O-RING	1								
21	5	172455-74670	O-RING	1								
22	5	172455-74680	BACK UP RING	1								
23	5	172187-74690	PLUG	1								
24	6	172312-74770	O-RING	1								
25	5	172455-74720	SEAT, SPRING	1								
26	5	24315-000070	O-RING, 1BP7.0	2								
27	4	172175-74220	SEAT, SPRING	2								
28	4	172151-74320	O-RING	2								
29	4	172455-74390	CAP	1								
30	4	172455-74410	SPRING	2								
31	4	172455-74420	POPPET	2								
32	4	172455-74440	SPRING	2								
33	4	172455-74450	PLUG	2								
34	4	172455-74460	O-RING	2								
35	4	172455-74530	BOLT, SOCKET HEAD	5								
36	4	172187-74540	PLUG	2								
37	5	24315-000140	O-RING, 1BP14.0	1								
38	4	172455-74550	POPPET	1								
39	4	172455-74560	SPACER	1								
40	4	172455-74570	O-RING	1								
41	4	172455-74580	RING, BACK-UP	1								
42	4	172187-74630	SPRING	1								
43	4	24321-000700	O-RING, 1AG70.0	1								

Fig.74. CONTROL VALVE(4/8)

(A)=VIO80(KR)
(B)=
(C)=

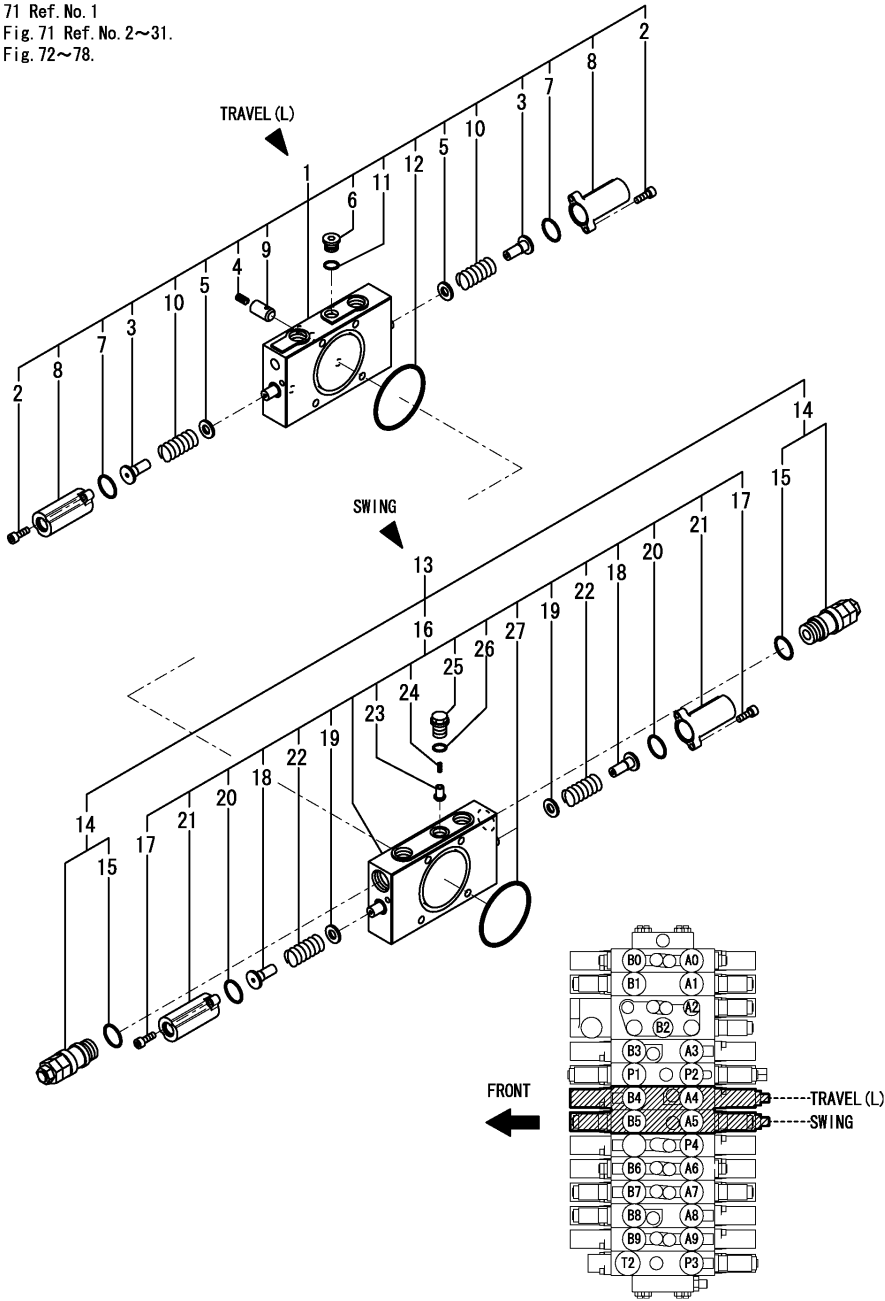
(D)=
(E)=
(F)=



				(A)=VIO80(KR)		(D)=					
				(B)=		(E)=					
				(C)=		(F)=					
No.	Lev.	Parts No.	Description			Q'ty				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74120	SECTION ASSY, INLET	1							
2	3	172A89-74130	VALVE,RELIEF 25.7/30	2							
3	4	172116-74150	O-RING	2							
4	3	172A69-74140	SECTION, INLET	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172A69-74150	CAP ASSY	1							
7	4	172A69-74160	CAP	1							
8	4	172151-74320	O-RING	2							
9	4	172422-74330	PLUG	1							
10	4	24321-000700	O-RING, 1AG70.0	2							
11	3	172187-74530	PLUG ASSY	1							
12	4	24315-000110	O-RING, 1BP11.0	1							
13	2	172A89-74210	SECTION, TRAVEL	1							
14	3	172151-74060	BOLT, SOCKET HEAD	4							
15	3	172478-74180	SEAT, SPRING	2							
16	3	172175-74220	SEAT, SPRING	2							
17	3	172A69-74250	PLUG	1							
18	3	172151-74320	O-RING	2							
19	3	172455-74390	CAP	2							
20	3	172455-74410	SPRING	2							
21	3	172455-74460	O-RING	1							
22	3	24321-000700	O-RING, 1AG70.0	1							

Fig.75. CONTROL VALVE(5/8)

CONTROL VALVE ASSY
172A89-74100
Fig. 71 Ref. No. 1
INC. Fig. 71 Ref. No. 2~31.
Fig. 72~78.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74220	SECTION, TRAVEL	1							
2	3	172151-74060	BOLT, SOCKET HEAD	4							
3	3	172478-74180	SEAT, SPRING	2							
4	3	172113-74190	SPRING	1							
5	3	172175-74220	SEAT, SPRING	2							
6	3	172A69-74250	PLUG	1							
7	3	172151-74320	O-RING	2							
8	3	172455-74390	CAP	2							
9	3	172187-74410	POPPET, VALVE	1							
10	3	172455-74410	SPRING	2							
11	3	172455-74460	O-RING	1							
12	3	24321-000700	O-RING, 1AG70.0	1							
13	2	172A89-74230	SECTION ASSY, SWING	1							
14	3	172A89-74150	VALVE RELIEF 29.5/50	2							
15	4	172116-74150	O-RING	1							
16	3	172A69-74280	SECTION, SWING	1							
17	4	172151-74060	BOLT, SOCKET HEAD	4							
18	4	172478-74180	SEAT, SPRING	2							
19	4	172175-74220	SEAT, SPRING	2							
20	4	172151-74320	O-RING	2							
21	4	172455-74390	CAP	2							
22	4	172455-74410	SPRING	2							
23	4	172455-74420	POPPET	1							
24	4	172455-74440	SPRING	1							
25	4	172455-74450	PLUG	1							
26	4	172455-74460	O-RING	1							
27	4	24321-000700	O-RING, 1AG70.0	1							

Fig.76. CONTROL VALVE(6/8)

(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71130	SECTION ASSY, PTO	1							
2	3	172A69-71140	SECTION, PTO	1							
3	4	172151-74060	BOLT, SOCKET HEAD	4							
4	4	172478-74180	SEAT, SPRING	2							
5	4	172175-74220	SEAT, SPRING	2							
6	4	172151-74320	O-RING	2							
7	4	172455-74390	CAP	2							
8	4	172455-74410	SPRING	2							
9	4	172455-74420	POPPET	2							
10	4	172455-74440	SPRING	2							
11	4	172455-74450	PLUG	2							
12	4	172455-74460	O-RING	2							
13	4	24321-000700	O-RING, 1AG70.0	1							
14	3	172455-74320	SHUTOFF VALVE	2							
15	4	172455-74010	NUT, SHOE	1							
16	4	172455-74020	PLUG	1							
17	4	172455-74030	O-RING	1							
18	4	172455-74040	POPPET, VALVE	1							
19	4	172116-74150	O-RING	1							
20	4	172455-74990	SCREW, SETTING	1							
21	2	172A69-74290	SECTION ASSY, BOOM	1							
21-1	2	172A69-74291	SECTION ASSY, BOOM	1							N
(A=MZZZZZ)											
22	3	172A69-74300	SECTION, BOOM	1							
22-1	3	172A69-74301	SECTION, BOOM	1							N
(A=MZZZZZ)											
23	4	172A69-71110	CAP	1							
24	4	172A69-71120	PISTON	1							
25	4	172151-74060	BOLT, SOCKET HEAD	4							
26	4	172478-74180	SEAT, SPRING	1							
27	4	172175-74220	SEAT, SPRING	1							
28	4	172151-74320	O-RING	2							
29	4	172455-74390	CAP	1							
30	4	172455-74410	SPRING	1							
31	4	172455-74420	POPPET	1							
32	4	172455-74440	SPRING	1							
33	4	172455-74450	PLUG	1							
34	4	172455-74460	O-RING	1							
35	4	24321-000700	O-RING, 1AG70.0	1							
36	3	172187-74550	PLUG	1							
37	4	24315-000180	O-RING, 1BP18.0	1							

CONTROL VALVE ASSY
172A89-74100
Fig. 71 Ref. No. 1
INC. Fig. 71 Ref. No. 2~31.
Fig. 72~78.

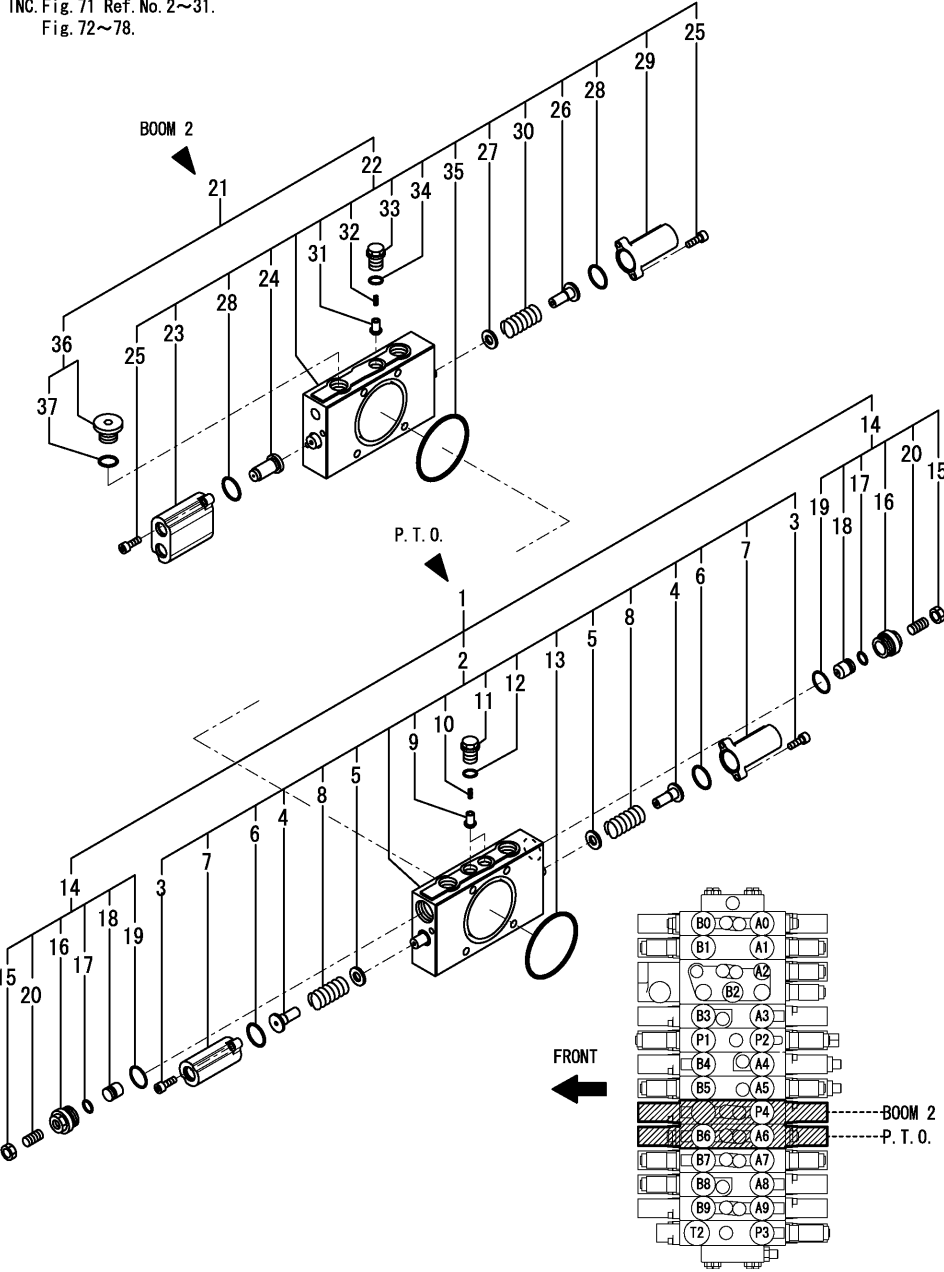
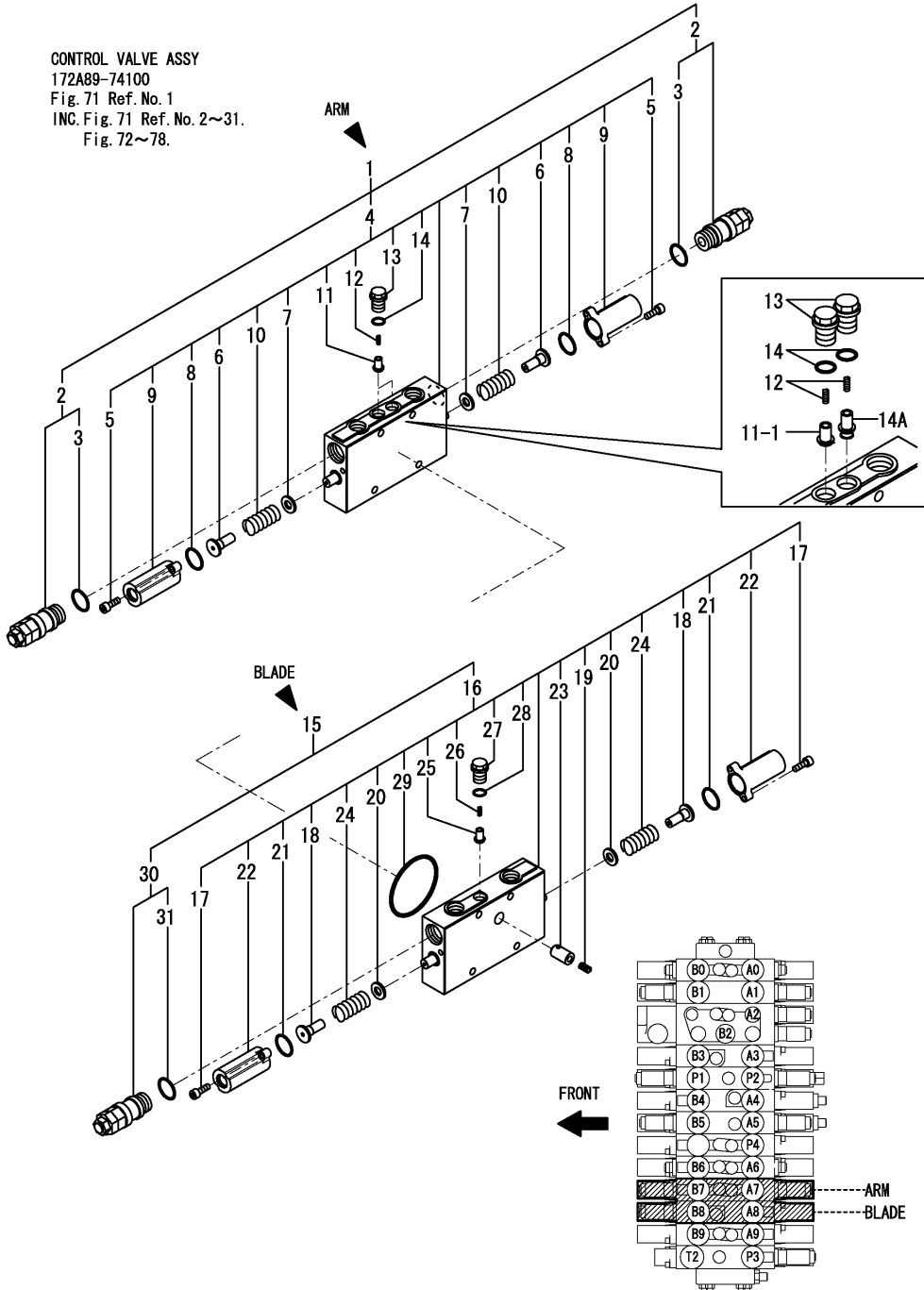


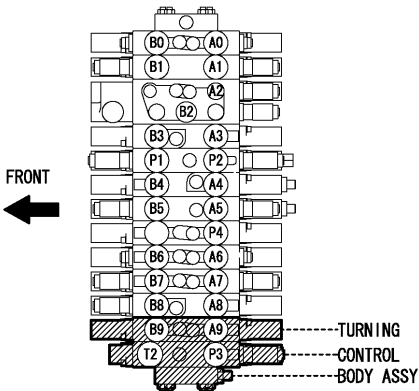
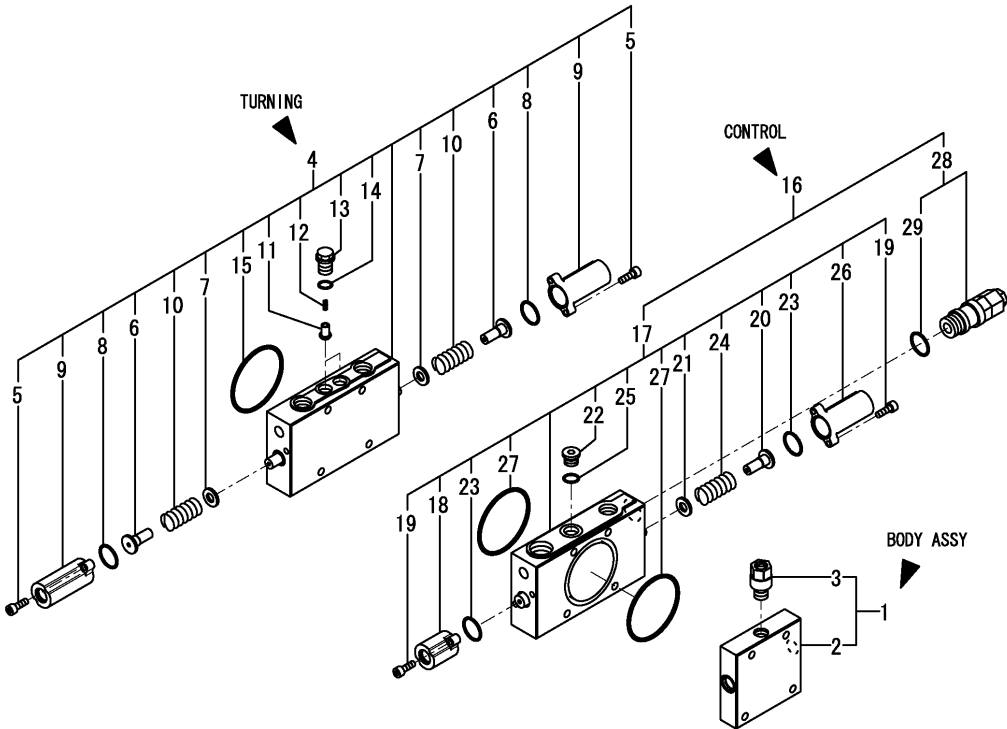
Fig.77. CONTROL VALVE(7/8)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74240	SECTION ASSY, ARM	1							
2	3	172A89-74150	VALVE RELIEF 29.5/50	2							
3	4	172116-74150	O-RING	1							
4	3	172A89-74260	SECTION, ARM	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172478-74180	SEAT, SPRING	2							
7	4	172175-74220	SEAT, SPRING	2							
8	4	172151-74320	O-RING	2							
9	4	172455-74390	CAP	2							
10	4	172455-74410	SPRING	2							
11	4	172455-74420	POPPET	2							
11-1	4	172455-74420	POPPET	1							K
(A=MZZZZZ)											
12	4	172455-74440	SPRING	2							
13	4	172455-74450	PLUG	2							
14	4	172455-74460	O-RING	2							
14A	4	172A89-74330	VALVE, POPPET	1							W
(A=MZZZZZ)											
15	2	172A89-74280	SECTION ASSY, BLADE	1							
16	3	172A69-71190	SECTION, BLADE	1							
17	4	172151-74060	BOLT, SOCKET HEAD	4							
18	4	172478-74180	SEAT, SPRING	2							
19	4	172113-74190	SPRING	1							
20	4	172175-74220	SEAT, SPRING	2							
21	4	172151-74320	O-RING	2							
22	4	172455-74390	CAP	2							
23	4	172187-74410	POPPET	1							
24	4	172455-74410	SPRING	2							
25	4	172455-74420	POPPET	1							
26	4	172455-74440	SPRING	1							
27	4	172455-74450	PLUG	1							
28	4	172455-74460	O-RING	1							
29	4	24321-000700	O-RING, 1AG70.0	1							
30	3	172A89-74290	VALVE RELIEF 15/50L	1							
31	4	172116-74150	O-RING	1							

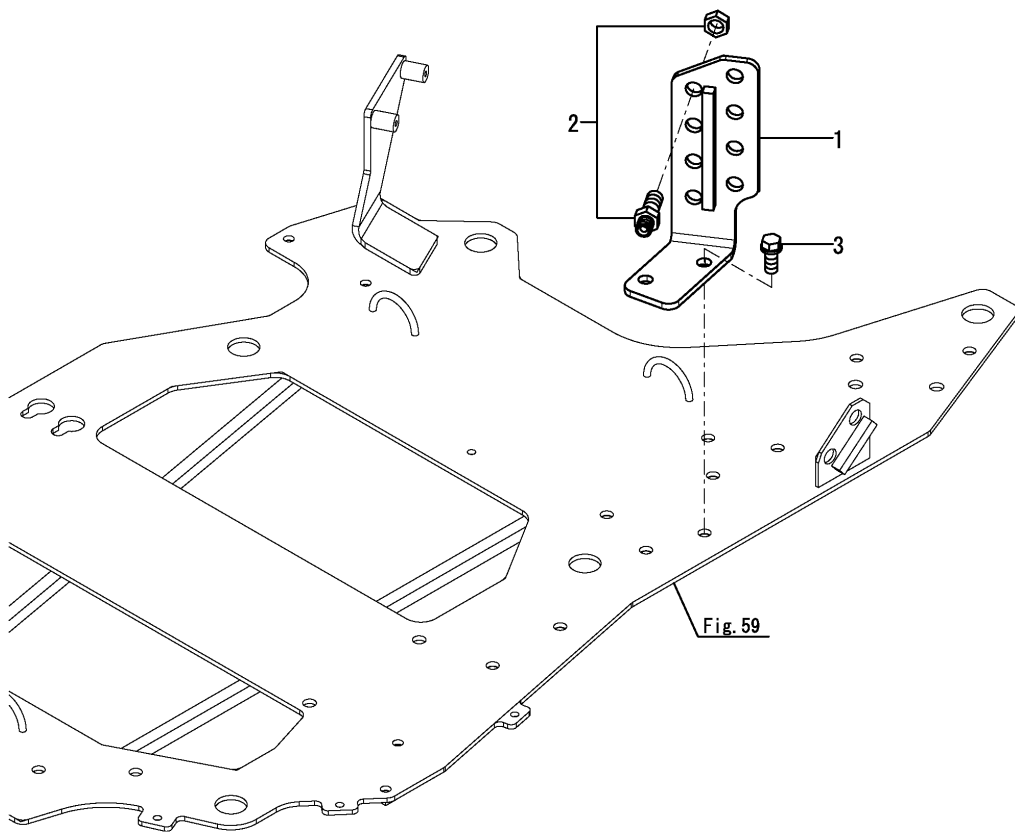
Fig.78. CONTROL VALVE(8/8)

CONTROL VALVE ASSY
172A89-74100
Fig. 71 Ref. No. 1
INC.Fig. 71 Ref. No. 2~31.
Fig. 72~78.

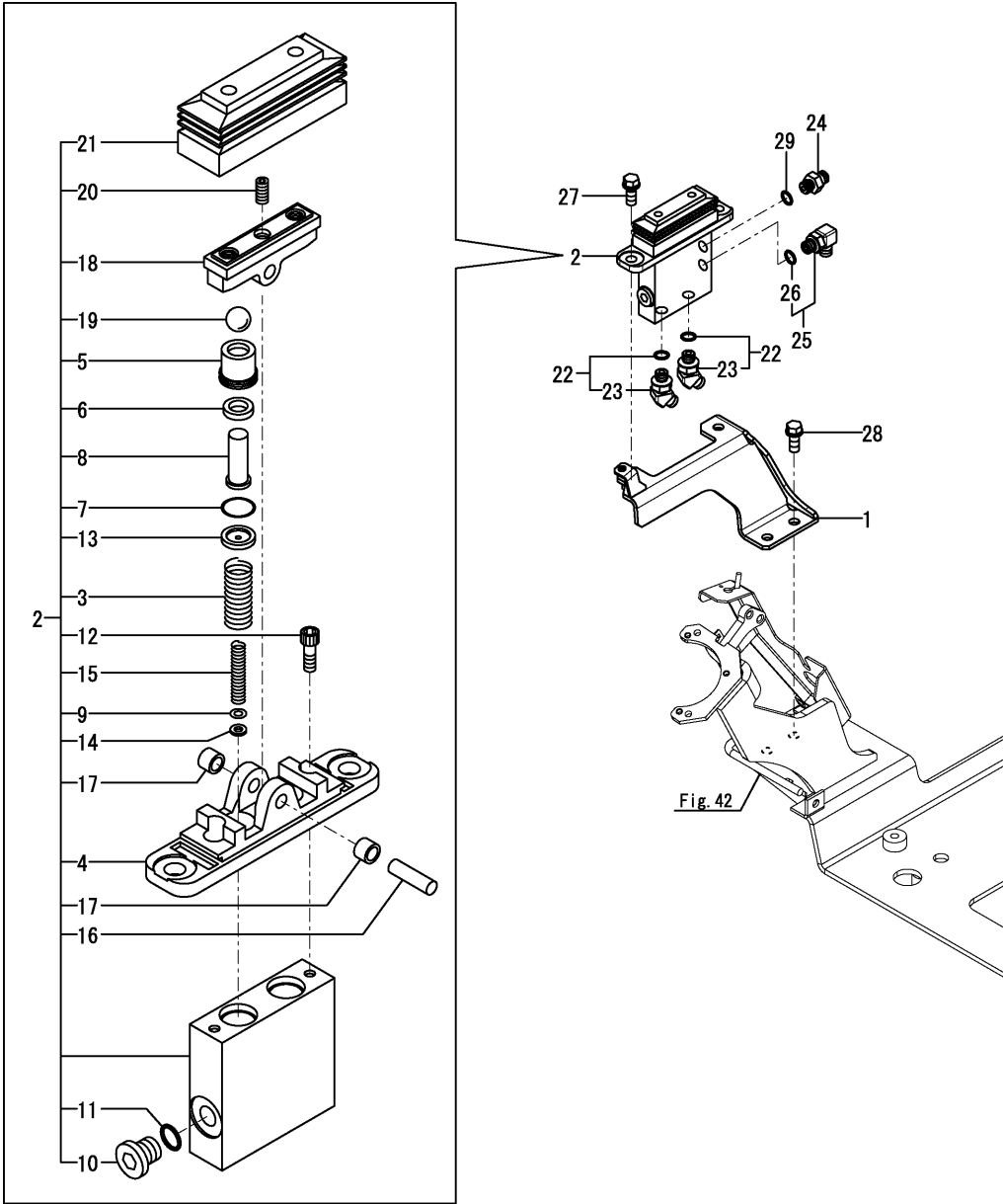


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71250	BODY ASSY	1							
2	3	172478-74360	BODY	1							
3	3	172478-74370	PLUG ASSY	1							
4	2	172A89-74270	SECTION, SWING	1							
5	3	172151-74060	BOLT, SOCKET HEAD	4							
6	3	172478-74180	SEAT, SPRING	2							
7	3	172175-74220	SEAT, SPRING	2							
8	3	172151-74320	O-RING	2							
9	3	172455-74390	CAP	2							
10	3	172455-74410	SPRING	2							
11	3	172455-74420	POPPET	2							
12	3	172455-74440	SPRING	2							
13	3	172455-74450	PLUG	2							
14	3	172455-74460	O-RING	2							
15	3	24321-000700	O-RING, 1AG70.0	1							
16	2	172A89-74300	SECTION ASSY	1							
17	3	172A69-71230	SECTION, CONTROL	1							
18	4	172A69-71240	CAP ASSY	1							
19	4	172151-74060	BOLT, SOCKET HEAD	4							
20	4	172478-74180	SEAT, SPRING	1							
21	4	172175-74220	SEAT, SPRING	1							
22	4	172A69-74250	PLUG	1							
23	4	172151-74320	O-RING	2							
24	4	172455-74410	SPRING	1							
25	4	172455-74460	O-RING	1							
26	4	172455-74480	CAP	1							
27	4	24321-000700	O-RING, 1AG70.0	2							
28	3	172A89-74310	VALVE,RELIEF 24.2/50	1							
29	4	172116-74150	O-RING	1							

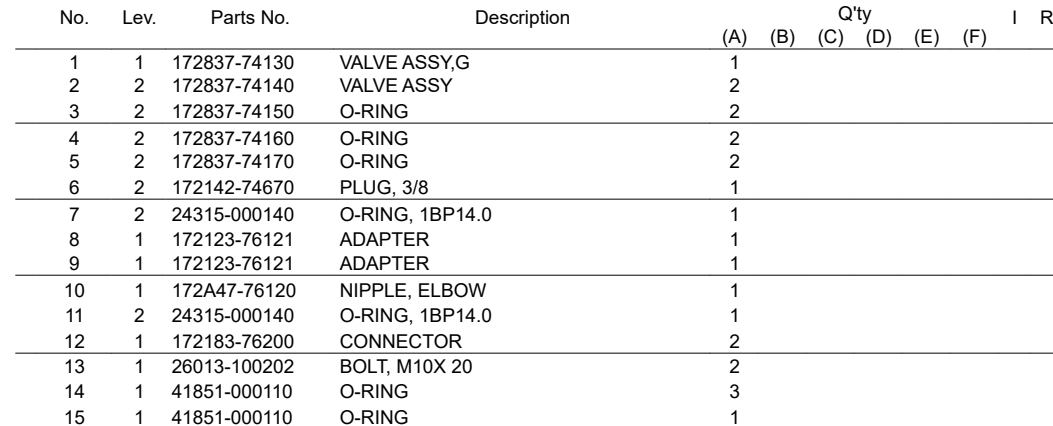
Fig.79. STANDARD PIPING BRACKET

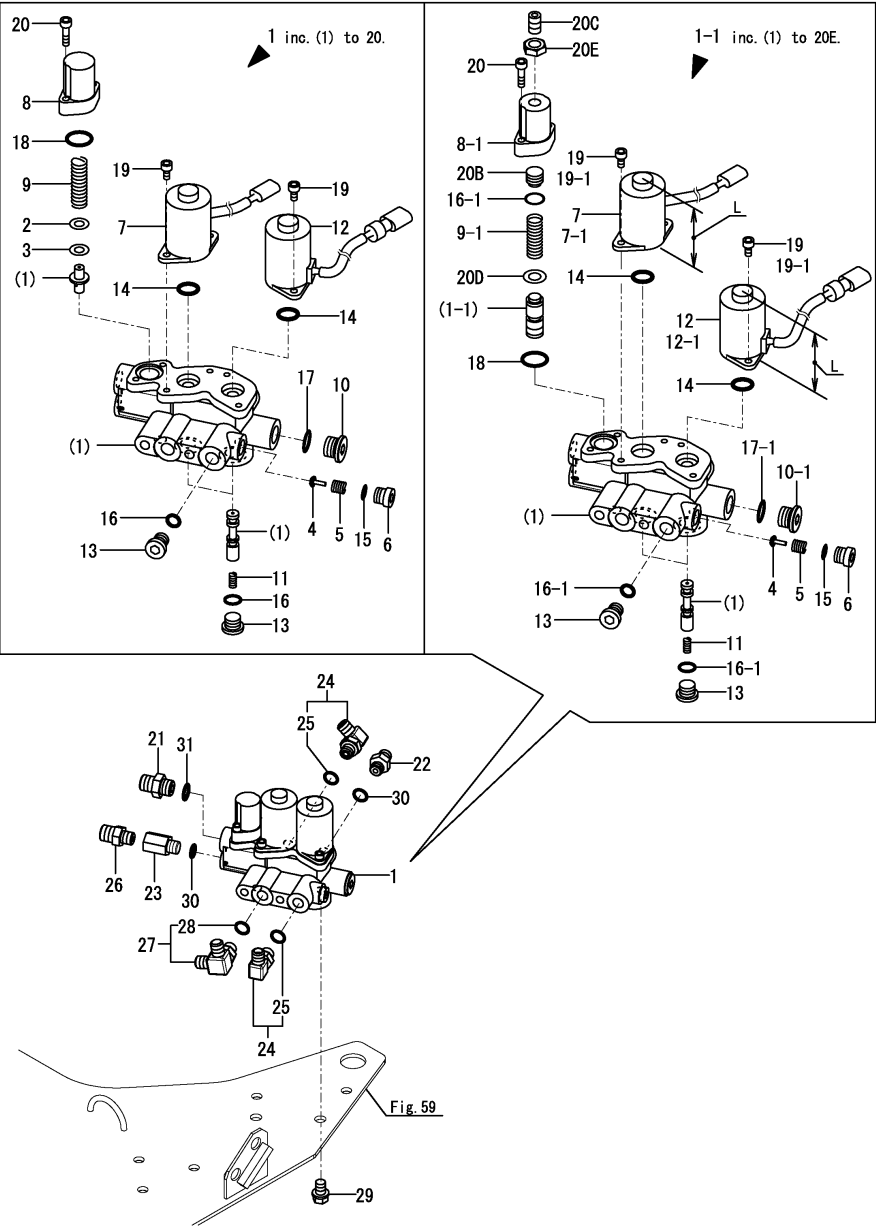


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-71700	BRACKET CMP,STD	1							
2	1	172151-76050	JOINT	8							
3	1	26013-100252	BOLT, M10X 25	2							



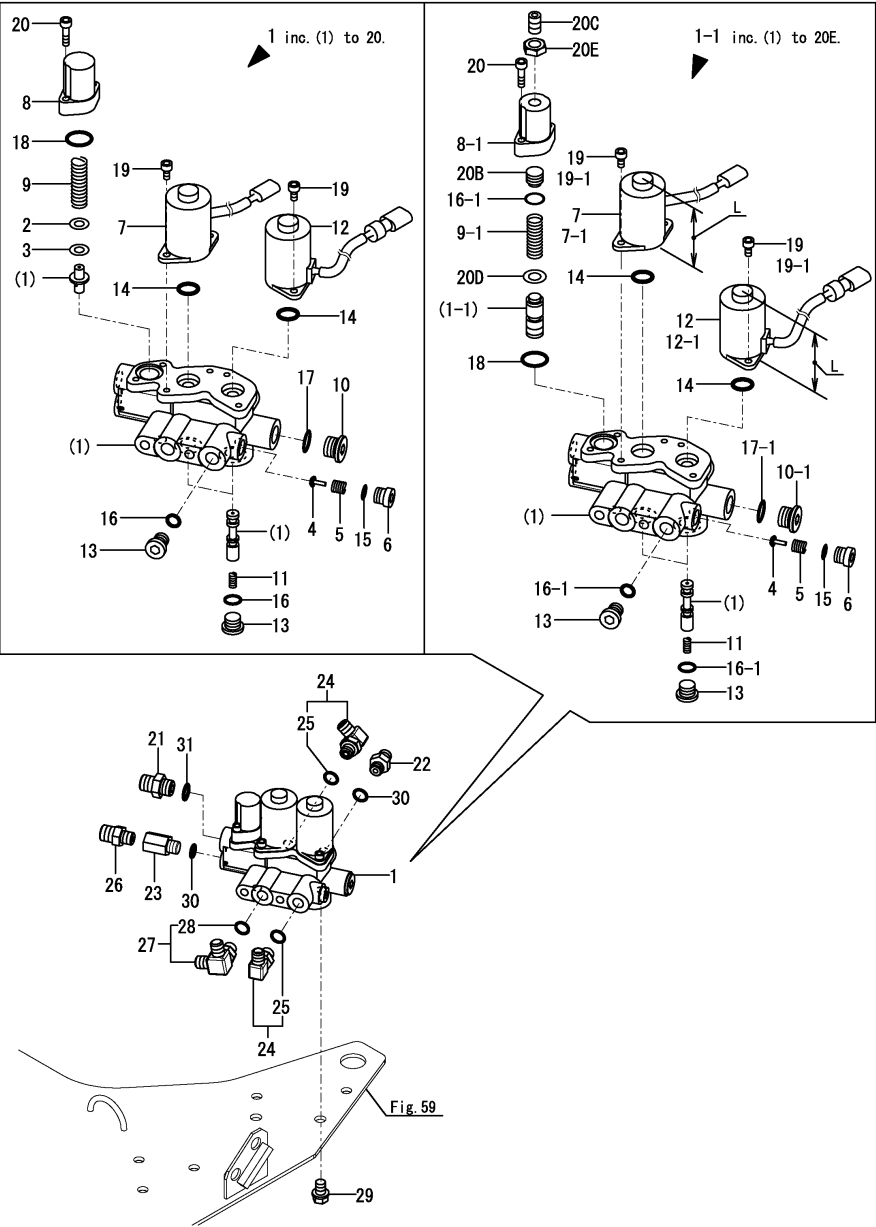
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74310	STAY ASSY, VALVE	1							
2	1	172A69-74670	VALVE ASSY	1							
3	2	172A69-74680	SPRING	2							
4	2	172A47-74710	COVER	1							
5	2	172A47-74720	PLUG	2							
6	2	172A47-74730	PACKING	2							
7	2	172A47-74740	O-RING	2							
8	2	172A47-74750	ROD, PUSH	2							
9	2	172A47-74760	SHIM	2							
10	2	172A47-74770	RO PLUG	1							
11	2	172A47-74780	O-RING	1							
12	2	172A47-74790	SCREW, HEX. S.H.C	2							
13	2	172A47-74800	SEAT, SPRING	2							
14	2	172A47-74810	WASHER	2							
15	2	172A47-74820	SPRING	2							
16	2	172A47-74840	SHAFT, CAM	1							
17	2	172A47-74850	BUSH	2							
18	2	172A47-74860	CAM	1							
19	2	172A47-74870	BALL, STEEL	2							
20	2	172A47-74880	SCREW, SETTING	1							
21	2	172A47-74890	BELLOWS	1							
22	1	172173-76102	CONNECTOR ASSY	2							
23	2	41851-000110	O-RING	2							
24	1	172123-76121	ADAPTER	1							
25	1	172141-76181	CONNECTOR ASSY, 02FF	1							
26	2	41851-000110	O-RING	1							
27	1	26013-100252	BOLT, M10X 25	2							
28	1	26013-100252	BOLT, M10X 25	2							
29	1	41851-000110	O-RING	1							





Remarks
(1)L=No.7, 12 : 61mm, No.7-1, 12-1 : 43mm.
Interchangeable by simultaneous replacement with No.19-1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74410	VALVE ASSY, SOL	1							
1-1	1	172A69-74411	VALVE ASSY, SOL	1						N	
(A=M92128)											
2	2	172A69-74420	SHIM	1						Z	
(A=M92128)											
3	2	172A69-74430	SHIM	1						Z	
(A=M92128)											
4	2	172A69-74440	PLUNGER	1							
5	2	172A69-74450	SPRING	1							
6	2	172A69-74460	PLUG	1							
7	2	172A69-74470	VALVE, SOLENOID	1							
7-1	2	172A69-74471	SOLENOID	1						F	1
(A=*2021.02)											
8	2	172A69-74490	COVER	1							
8-1	2	172A69-74980	COVER	1						S	
(A=M92128)											
9	2	172A69-74500	SPRING, COMPRESSION	1							
9-1	2	172A69-74540	SPRING	1						S	
(A=M92128)											
10	2	172A69-74510	PLUG	1							
10-1	2	172A69-74520	PLUG, PF1/2	1						S	
(A=M92128)											
11	2	172A46-74710	SPRING, COMPRESSION	2							
12	2	172A46-74720	VALVE, SOLENOID	1							
12-1	2	172A46-74721	SOLENOID	1						F	1
(A=*2021.02)											
13	2	172A46-74730	PLUG, G1/4	3							
14	2	24311-000160	O-RING, 1AP16.0	2							
15	2	24315-000100	O-RING, 1BP10.0	1							
16	2	24315-000110	O-RING, 1BP11.0	3							
16-1	2	24315-000110	O-RING, 1BP11.0	4						K	
(A=M92128)											
17	2	24315-000140	O-RING, 1BP14.0	1							
17-1	2	24315-000180	O-RING, 1BP18.0	1						S	
(A=M92128)											
18	2	24315-000200	O-RING, 1BP20.0	1							
19	2	26450-050122	BOLT, M5X 12	4							
19-1	2	26450-050102	BOLT, M5X 10	4						S	
(A=*2021.02)											
20	2	26450-050202	BOLT, M5X 20	2							
20B	2	172A69-74970	PLUG	1						W	
(A=M92128)											
20C	2	172A69-74990	SCREW, ADJUSTING	1						W	
(A=M92128)											
20D	2	22117-080000	WASHER, 8	1						W	
(A=M92128)											
20E	2	26736-100002	NUT, M10	1						W	
(A=M92128)											
21	1	172730-75141	ADAPTER, M/M C	1							
22	1	172123-76121	ADAPTER, M/M PF1/4	1							
23	1	172422-76140	CONNECTOR, PF1/4	1							



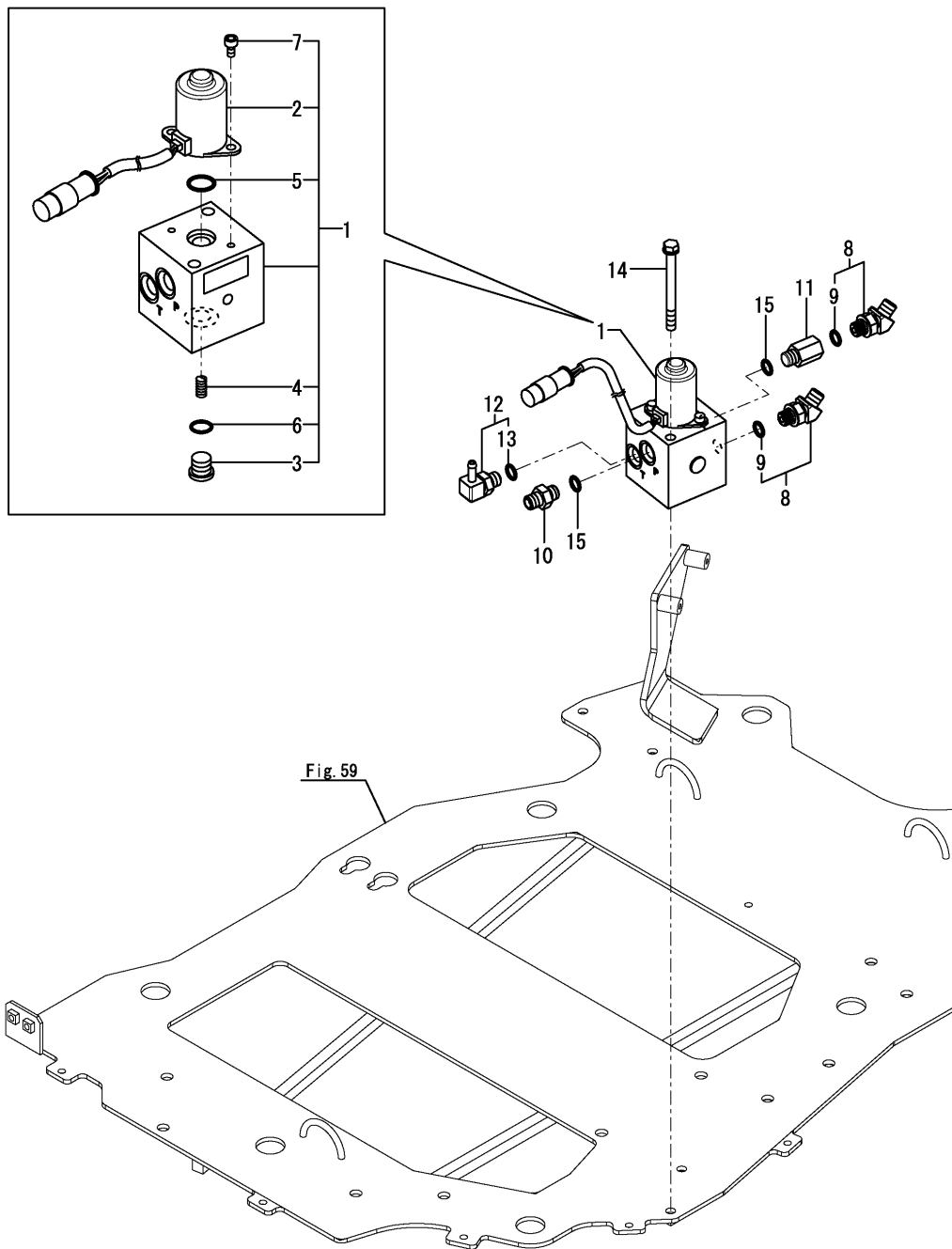
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
24	1	172141-76181	CONNECTOR ASSY, 02FF	2							
25	2	41851-000110	O-RING, P11.0 HNBR	2							
26	1	172638-76190	CONNECTOR, PF1/4X3/8	1							
27	1	172491-76330	ELBOW,ADJUSTABLE 1/4	1							
28	2	24315-000110	O-RING, 1BP11.0	1							
29	1	26013-100162	BOLT, M10X 16	2							
30	1	41851-000110	O-RING, P11.0 HNBR	2							
31	1	41851-000140	O-RING, P 14.0 HNBR	1							

Remarks
(1)L=No.7, 12 : 61mm, No.7-1, 12-1 : 43mm.
Interchangeable by simultaneous replacement with No.19-1.

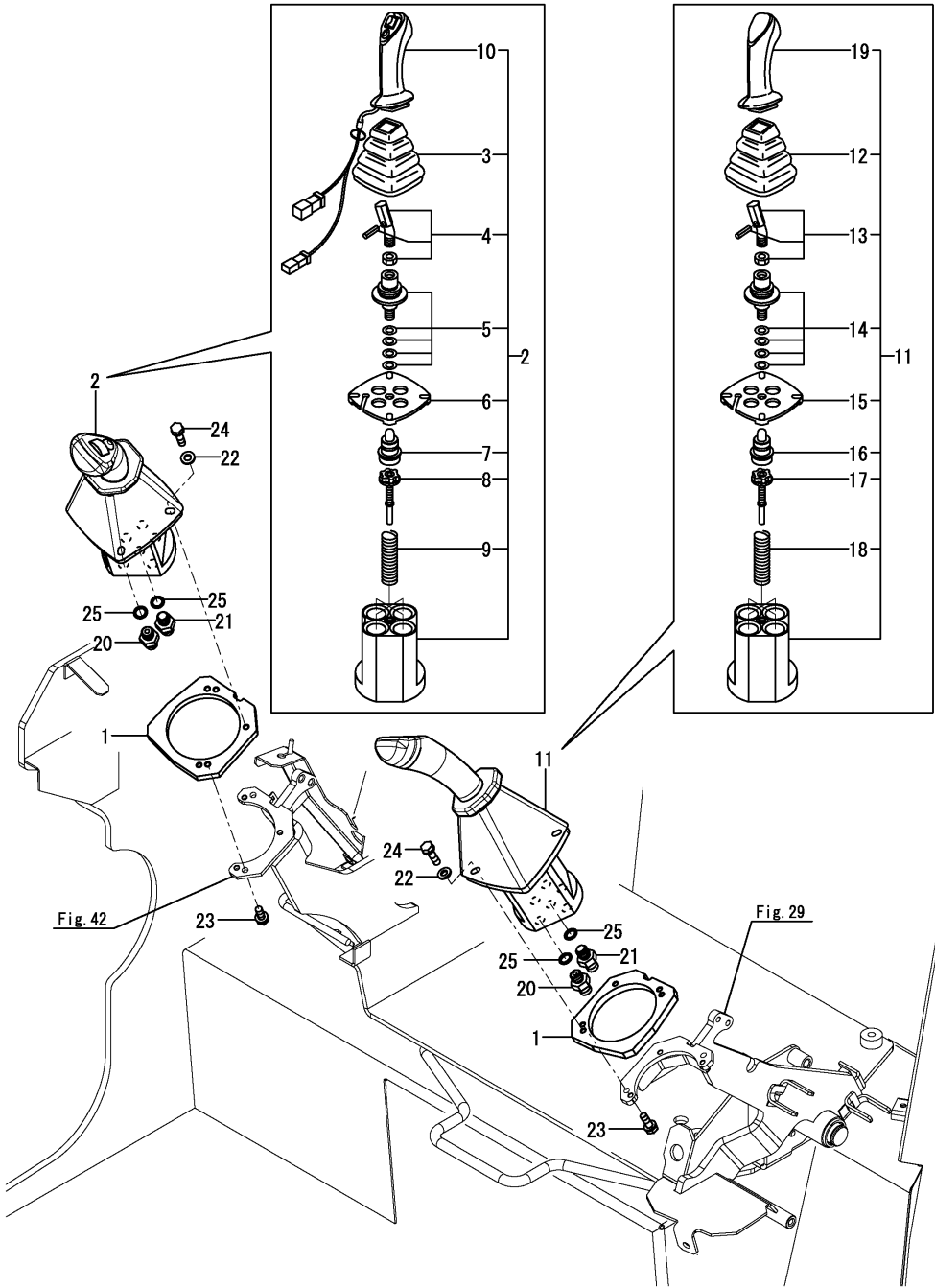
Fig.83. SOLENOID VALVE(QUICK COUPLER)



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74550	VALVE ASSY, Q	1							
2	2	172A69-74560	SOLENOID	1							
2-1	2	172A69-74561	SOLENOID	1							R
		(A=*2021.02)									
3	2	172A69-74590	PLUG, G1/4	1							
4	2	172A46-74710	SPRING, COMPRESSION	1							
5	2	24311-000160	O-RING, 1AP16.0	1							
6	2	24315-000110	O-RING, 1BP11.0	1							
7	2	26450-050102	BOLT, M5X 10	2							
8	1	172173-76102	CONNECTOR ASSY	2							
9	2	41851-000110	O-RING, P11.0 HNBR	2							
10	1	172123-76121	ADAPTER, M/M PF1/4	1							
11	1	172422-76140	CONNECTOR, PF1/4	1							
12	1	172186-76430	NIPPLE, ELBOW PF1/4	1							
13	2	24315-000110	O-RING, 1BP11.0	1							
14	1	26013-080902	BOLT, M8X 90	2							
15	1	41851-000110	O-RING, P11.0 HNBR	2							

Fig.84. REMOTE CONTROL VALVE(OPERATION)

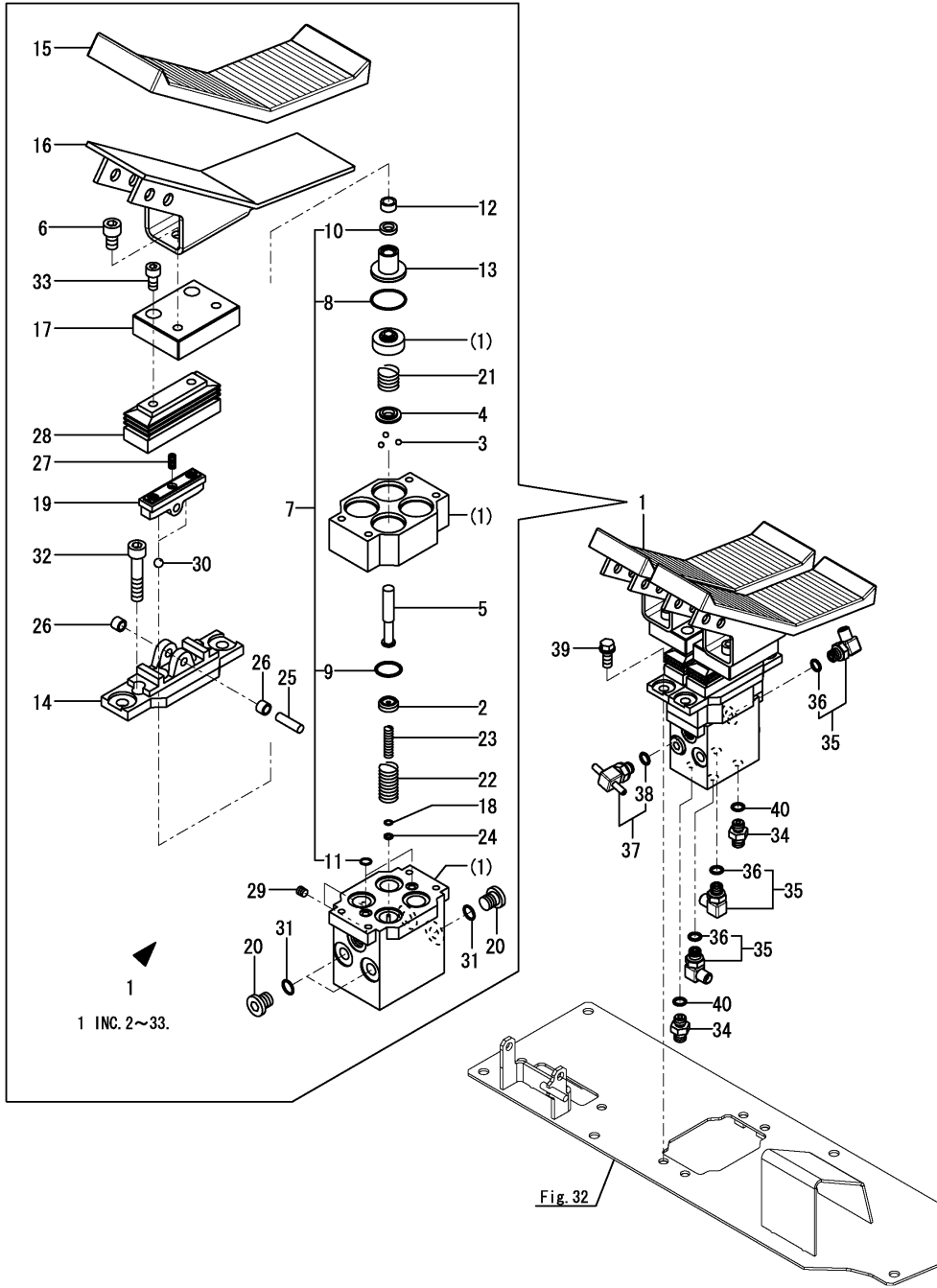


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A78-64510	SPACER, VALVE	2							
2	1	172A69-74850	VALVE ASSY,R	1							
3	2	172441-74030	BELLOWS	1							
4	2	172441-74040	COMMAND KIT	1							
5	2	172463-74530	CARDAN KIT	1							
6	2	172463-74540	RETAINING PLATE	1							
7	2	172463-74551	PLUNGER KIT	1							
8	2	172463-74561	REGULATION KIT	4							
9	2	172463-74570	SPRING KIT	1							
10	2	172A69-74860	HANDLE ASSY	1							
11	1	172A69-74900	VALVE ASSY,L	1							
12	2	172441-74030	BELLOWS	1							
13	2	172441-74040	COMMAND KIT	1							
14	2	172463-74530	CARDAN KIT	1							
15	2	172463-74540	RETAINING PLATE	1							
16	2	172463-74551	PLUNGER KIT	1							
17	2	172463-74561	REGULATION KIT	4							
18	2	172463-74570	SPRING KIT	1							
19	2	172A69-74910	HANDLE	1							
20	1	172123-76121	ADAPTER	10							
21	1	172455-76220	CONNECTOR	2							
22	1	22137-060000	WASHER, 6	6							
23	1	26014-060162	BOLT, M6X 16	4							
24	1	26014-060162	BOLT, M6X 16	6							
25	1	41851-000110	O-RING	12							

Fig.85. REMOTE CONTROL VALVE(TRAVEL)

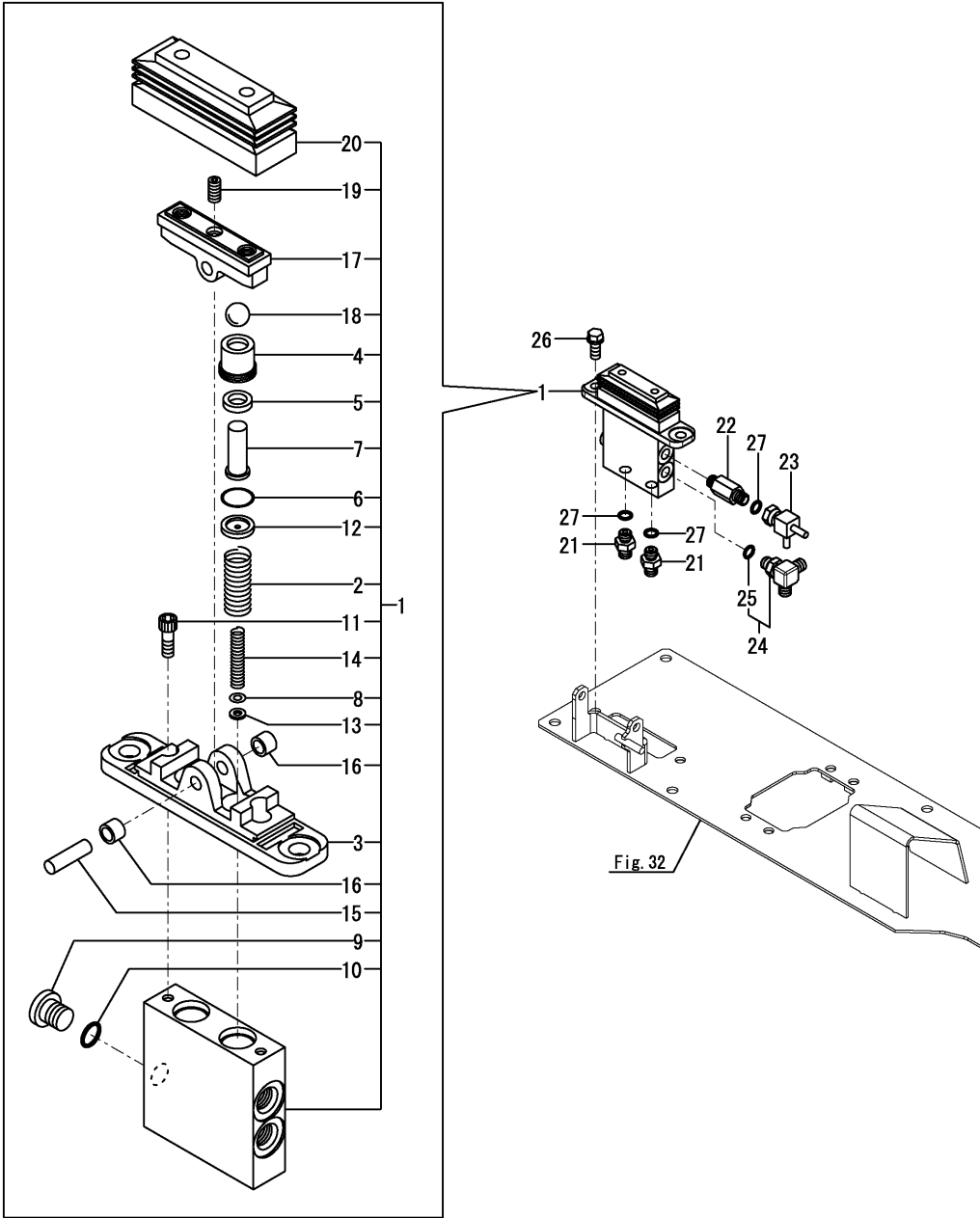
(A)=VIO80(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-74700	VALVE ASSY,TRAVEL	1							
2	2	172A69-71300	SEAT, SPRING	4							
3	2	172A69-71310	BALL,STEEL	12							
4	2	172A69-71320	SEAT, SPRING	4							
5	2	172A89-74710	ROD,PUSH	4							
6	2	172A69-71340	BOLT 10X16	4							
7	2	172A69-71350	SEAL SET	1							
8	3	172A69-71360	O-RING	4							
9	3	172A69-71370	O-RING	4							
10	3	172A47-74730	PACKING	4							
11	3	24315-000080	O-RING, 1BP8.0	2							
12	2	172A69-71380	CUP, GREASE	4							
13	2	172A69-71390	PLUG	4							
14	2	172A69-71400	COVER	2							
15	2	172A69-74730	COVER, PEDAL	2							
16	2	172A69-74740	PEDAL	2							
17	2	172A69-74750	BLOCK	2							
18	2	172A47-74760	SHIM	4							
19	2	172A89-74730	CAM	2							
20	2	172A47-74770	RO PLUG	3							
21	2	172A69-74770	SPRING	4							
22	2	172A69-74780	SPRING	4							
23	2	172A89-74720	SPRING	4							
24	2	172A47-74810	WASHER	4							
25	2	172A47-74840	SHAFT, CAM	2							
26	2	172A47-74850	BUSH	4							
27	2	172A47-74880	SCREW, SETTING	2							
28	2	172A47-74890	BELLOWS	2							
29	2	172455-77150	PLUG	2							
30	2	24190-100001	BALL, STEEL 5/16	4							
31	2	24315-000110	O-RING, 1BP11.0	3							
32	2	26450-060502	BOLT M 6X 50	4							
33	2	26450-080162	BOLT, M8X 16	4							
34	1	172123-76121	ADAPTER	2							
35	1	172141-76181	CONNECTOR ASSY, 02FF	3							
36	2	41851-000110	O-RING	3							
37	1	172A47-76230	NIPPLE, TEE	1							
38	2	41851-000110	O-RING	1							
39	1	26013-100252	BOLT, M10X 25	4							
40	1	41851-000110	O-RING	2							

Fig.86. REMOTE CONTROL VALVE(SWING)

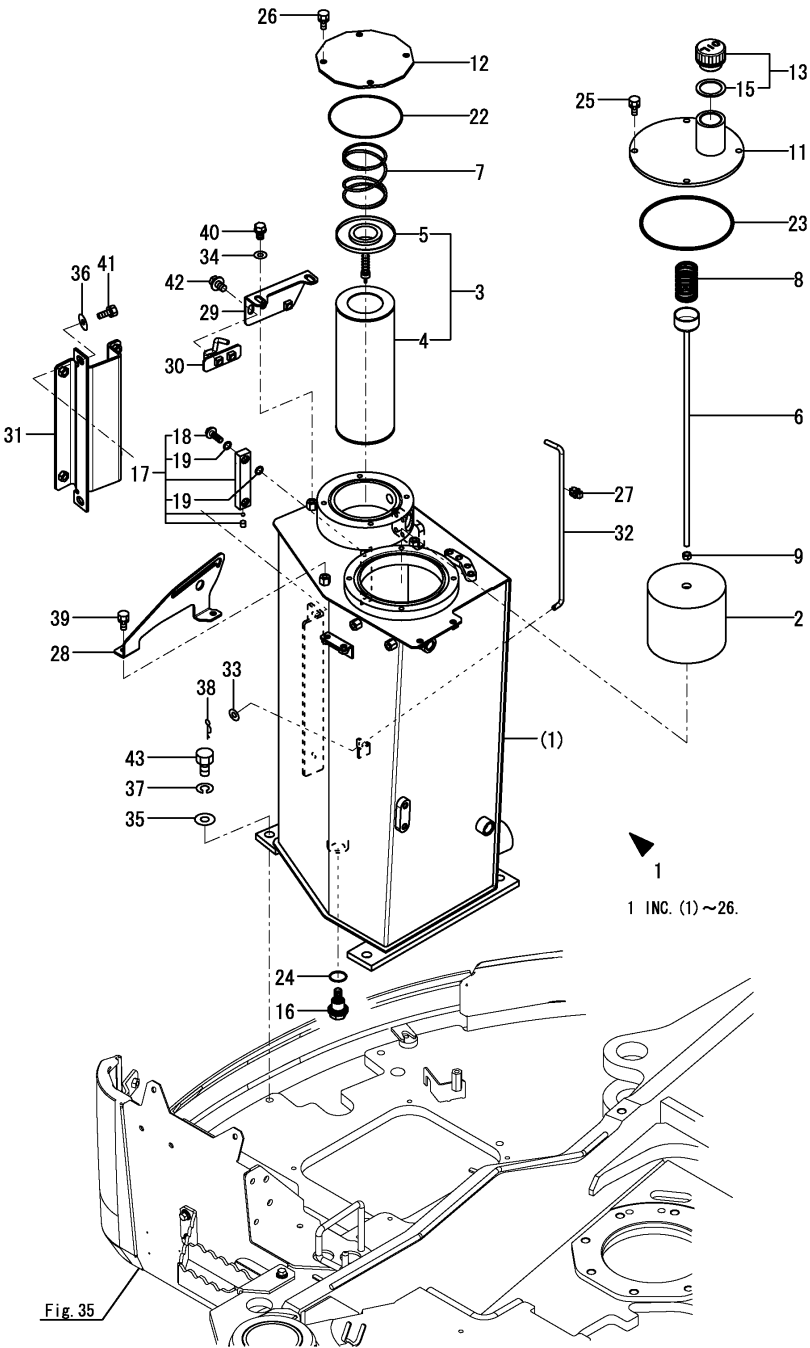


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74670	VALVE ASSY	1							
2	2	172A69-74680	SPRING	2							
3	2	172A47-74710	COVER	1							
4	2	172A47-74720	PLUG	2							
5	2	172A47-74730	PACKING	2							
6	2	172A47-74740	O-RING	2							
7	2	172A47-74750	ROD,PUSH	2							
8	2	172A47-74760	SHIM	2							
9	2	172A47-74770	RO PLUG	1							
10	2	172A47-74780	O-RING	1							
11	2	172A47-74790	SCREW,HEX.S.H.C	2							
12	2	172A47-74800	SEAT, SPRING	2							
13	2	172A47-74810	WASHER	2							
14	2	172A47-74820	SPRING	2							
15	2	172A47-74840	SHAFT, CAM	1							
16	2	172A47-74850	BUSH	2							
17	2	172A47-74860	CAM	1							
18	2	172A47-74870	BALL,STEEL	2							
19	2	172A47-74880	SCREW, SETTING	1							
20	2	172A47-74890	BELLOWS	1							
21	1	172123-76121	ADAPTER	2							
22	1	172183-76200	CONNECTOR	1							
23	1	172A47-76320	NIPPLE	1							
24	1	172491-76330	ELBOW, ADJUSTABLE	1							
25	2	24315-000110	O-RING, 1BP11.0	1							
26	1	26013-100252	BOLT, M10X 25	2							
27	1	41851-000110	O-RING	3							

Fig.87. HYD.OIL TANK

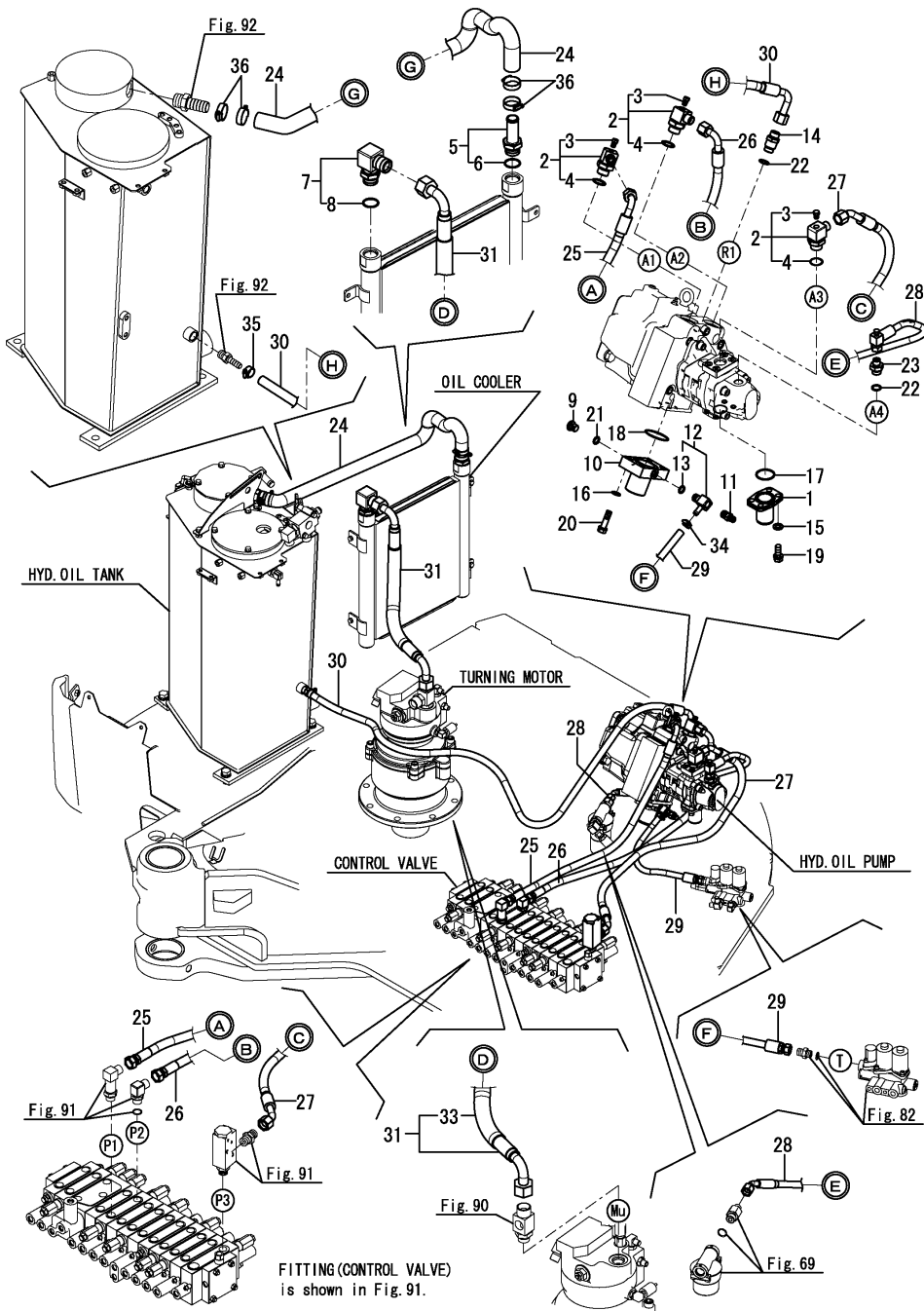
(A)=VIO80(KR)
(B)=
(C)=

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



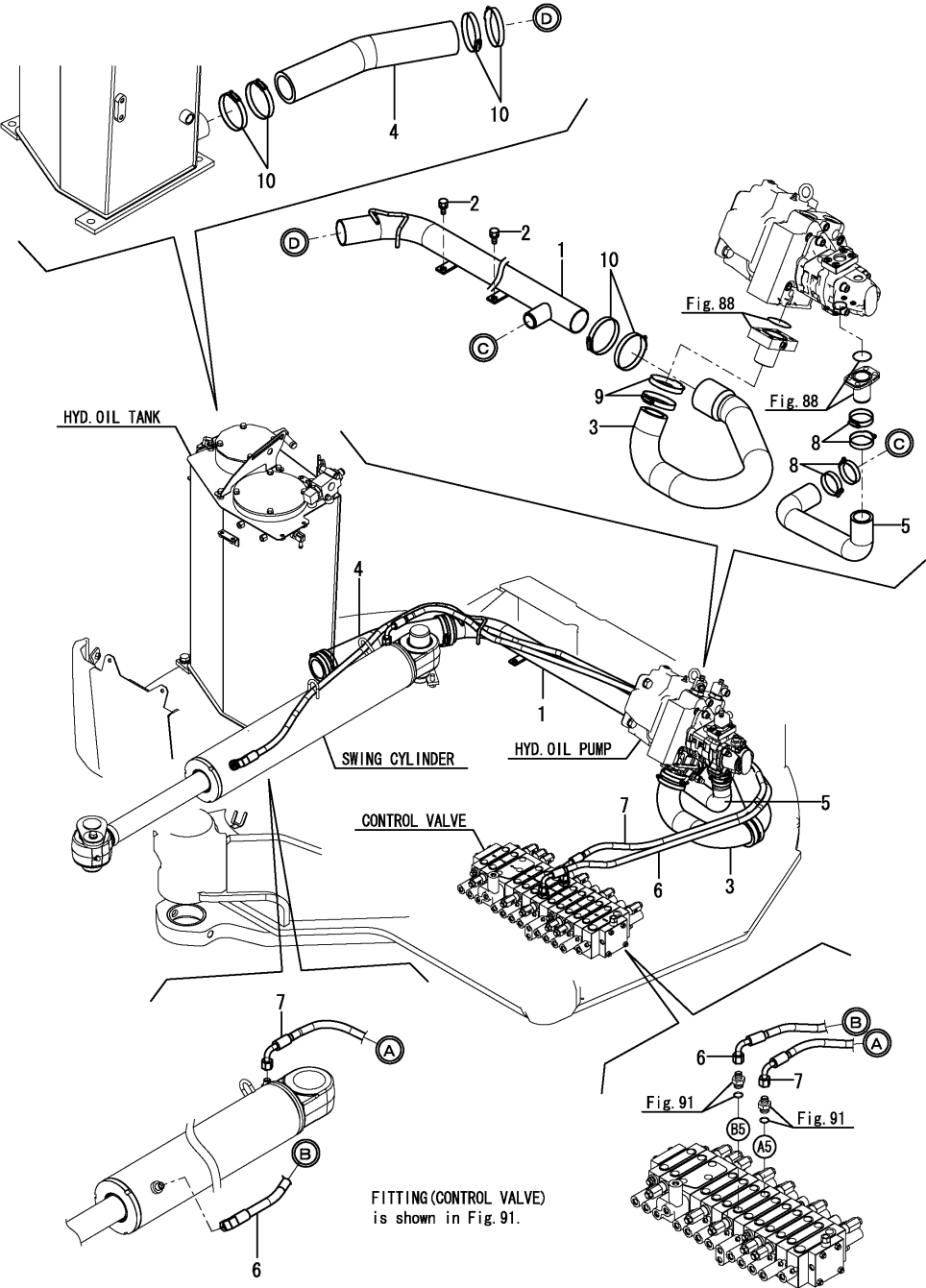
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A69-75100	TANK ASSY, RESERVOIR	1							
2	2	172162-73700	STRAINER, SUCTION	1							
3	2	172187-73700	FILTER ASSY, RETURN	1							
4	3	172187-73730	ELEMENT, FILTER	1							
5	3	172112-74971	VALVE, BY-PASS	1							
6	2	172A69-75710	ROD ASSY, FILTER	1							
7	2	172112-75770	SPRING, FILTER	1							
8	2	172112-75780	SPRING, FILTER	1							
9	2	26716-100002	NUT, M10	1							
11	2	172A69-75240	COVER ASSY	1							
12	2	172187-75340-2	COVER, TANK	1							
13	2	172A69-75450	CAP, RESERVER	1							
15	3	172A69-75470	PACKING	1							
16	2	172187-75500	PLUG 24	1							
17	2	172A69-75600	GAUGE, OIL LEVEL	1							
18	3	172455-75290	BOLT M10	2							
19	3	172455-75300	O-RING	4							
22	2	24321-001350	O-RING, 1AG135.0	1							
23	2	24321-001700	O-RING, 1AG170.0	1							
24	2	24341-000300	O-RING, 1AS30.0	1							
25	2	26013-100202	BOLT, M10X 20	4							
26	2	26013-100202	BOLT, M10X 20	4							
27	1	1A7400-61250	HOLDER, ROD 8	1							
28	1	172A89-62550	GUIDE, STOPPER	1							
29	1	172A89-62570	STAY ASSY	1							
30	1	172A89-62610	CATCH ASSY, LOCK	1							
31	1	172A69-65721	HINGE ASSY	1							
32	1	172A69-65780	HOOK, BONNET R	1							
33	1	22137-080000	WASHER, 8	1							
34	1	22137-100000	WASHER, 10	2							
35	1	22137-160000	WASHER, 16	4							
36	1	22157-100000	WASHER, 10	2							
37	1	22217-160000	WASHER, SPRING 16	4							
38	1	22372-080000	PIN, SNAP 8	1							
39	1	26013-100162	BOLT, M10X 16	2							
40	1	26013-100162	BOLT, M10X 16	2							
41	1	26013-100252	BOLT, M10X 25	2							
42	1	26014-100202	BOLT, M10X 20	2							
43	1	26116-160352	BOLT, M16X 35 PLATED	4							

Fig.88. HYD.OIL PIPING(PUMP - CONTROL VALVE - OIL COOLER)



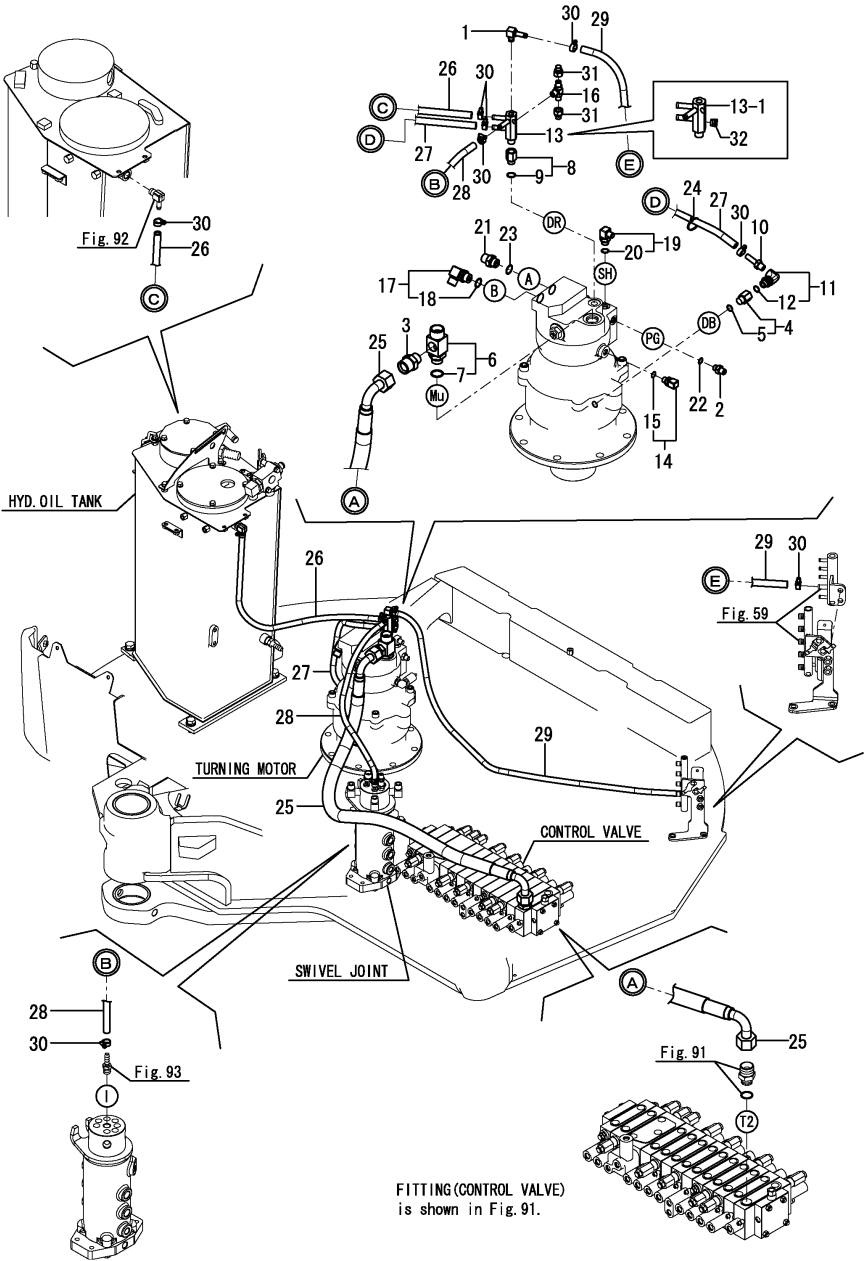
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172422-76100	FLANGE	1							
2	1	172A89-76110	ELBOW	3							
3	2	172A89-76120	PLUG, SCREW PT1/8	3							
4	2	41851-000240	PACKING, 24.0	3							
5	1	172A69-76120	NIPPLE	1							
6	2	172A65-76790	O-RING	1							
7	1	172A89-76130	ELBOW	1							
8	2	24315-000290	O-RING, 1BP29.0	1							
9	1	172499-76160	PLUG G1/4	1							
10	1	172A69-76160	FLANGE ASSY	1							
11	1	172312-76190	NIPPLE	1							
12	1	172A69-76190	ELBOW	1							
13	2	41851-000140	O RING P 14.0 HNBR	1							
14	1	172147-76271	CONNECTOR, 1/2X1/2	1							
15	1	22117-100000	WASHER, 10	4							
16	1	22117-120000	WASHER, 12	4							
17	1	24325-000400	O-RING, 1BG40.0	1							
18	1	24325-000550	O-RING, 1BG55.0	1							
19	1	26013-100302	BOLT, M10X 30	4							
20	1	26013-120302	BOLT, M12X 30	4							
21	1	41851-000110	O-RING	1							
22	1	41851-000180	O RING	2							
23	1	933160-01370	CONNECTOR,PF1/2PF3/8	1							
24	1	172A89-78130	HOSE 25.4	1							
25	1	172A89-78150	HOSE H108BC092S	1							
26	1	172A89-78160	HOSE H108BC095S	1							
27	1	172A89-78170	HOSE H108EE100S	1							
28	1	172A89-78180	HOSE H604EZ068	1							
29	1	172A89-78200	HOSE G806BY039S	1							
30	1	172A89-78210	HOSE G608CY165S	1							
31	1	172A89-78240	HOSE G616CC060	1							
33	2	172499-78591	INSURATOR,HOSE	1							
34	1	23001-016000	CLAMP, HOSE 16	1							
35	1	23001-022000	CLAMP, HOSE 22	1							
36	1	23001-041000	CLAMP, HOSE 41	4							

Fig.89. HYD.OIL PIPING(TANK-PUMP,SWING CYLINDER)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-76470	TUBE ASSY, SUCTION	1							
2	1	26013-100202	BOLT, M10X 20	2							Z
(A=MXXXXX)											
2-1	1	26014-100252	BOLT, M10X 25	2							W
(A=MXXXXX)											
3	1	172A69-78081	HOSE ASSY,59 A	1							
4	1	172A69-78110	HOSE	1							
5	1	172A69-78120	HOSE	1							
6	1	172A89-78380	HOSE H106BV332S	1							
7	1	172A89-78390	HOSE H106CC237S	1							
8	1	23001-054000	CLAMP, HOSE 54	4							
9	1	23001-080000	CLAMP, HOSE 80	2							
9-1	1	23001-070000	CLAMP, HOSE 70	2							N
(A=MXXXXX)											
10	1	23001-090000	CLAMP, HOSE 90	6							

Fig.90. HYD.OIL PIPING(CONTROL VALVE - TURNING MOTOR)



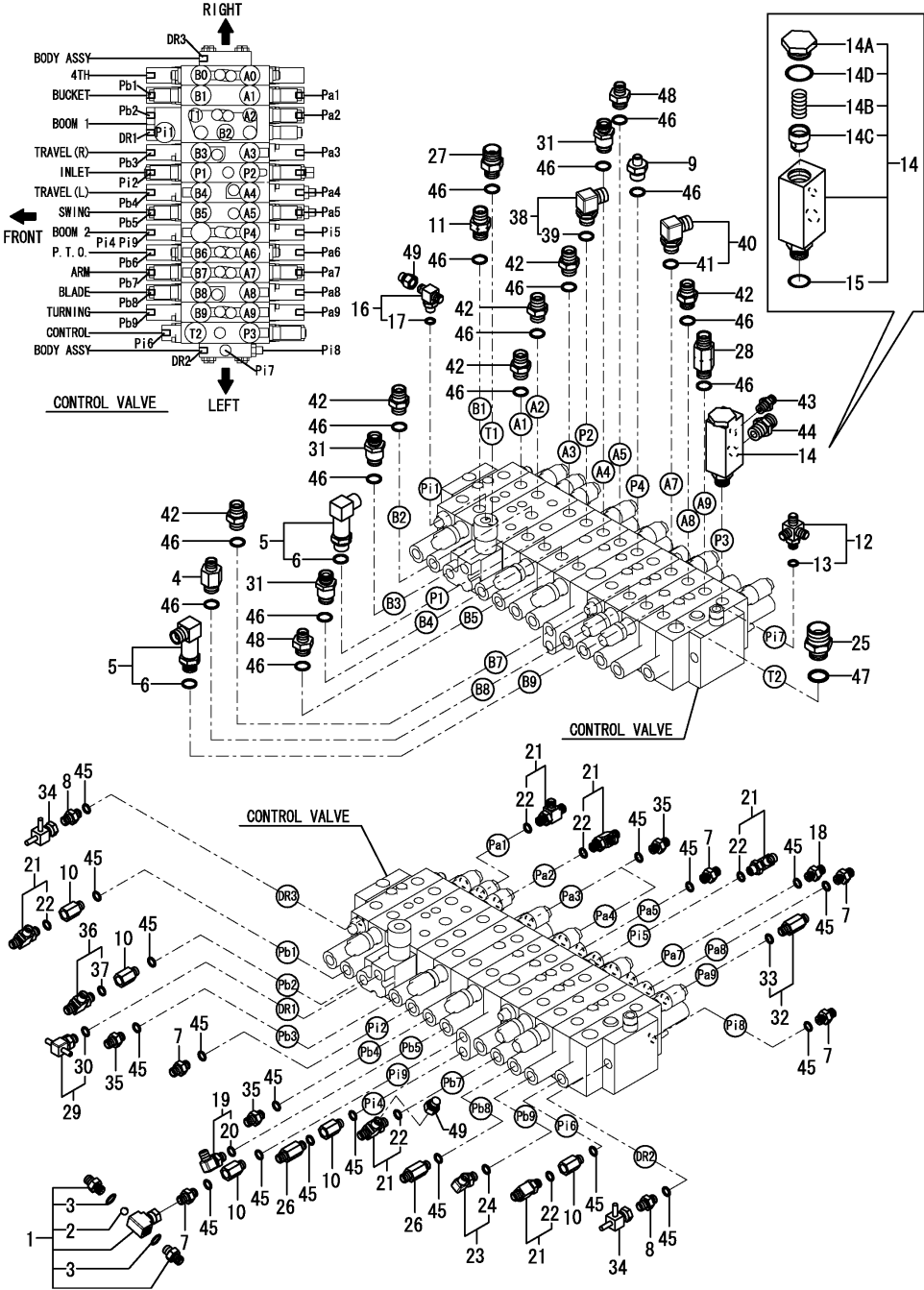
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-11120	ELBOW	1							
2	1	172123-76121	ADAPTER	1							
3	1	172187-76131	CONNECTOR, PF3/4	1							
4	1	172A52-76130	ADAPTER	1							
5	2	24315-000140	O-RING, 1BP14.0	1							
6	1	172187-76141	CONNECTOR, PF1XPF3/4	1							
7	2	24315-000240	O-RING, 1BP24.0	1							
8	1	172A69-76140	ADAPTER	1							
9	2	41851-000140	O RING P 14.0 HNBR	1							
10	1	172165-76270	NIPPLE	1							
11	1	172499-76300	ELBOW ASSY	1							
12	2	24315-000140	O-RING, 1BP14.0	1							
13	1	172499-76310	JOINT	1							
13-1	1	172499-76311	JOINT	1						F	1
(A=MZZZZZ)											
14	1	172A89-76310	JOINT, G1/4-RC1/8	1							
15	2	41851-000110	O-RING	1							
16	1	172162-76320	CONNECTOR, 3X1/4	1							
17	1	172141-76900	CONNECTOR ASSY	1							
18	2	24315-000180	O-RING, 1BP18.0	1							
19	1	172141-76920	CONNECTOR ASSY	1							
20	2	24315-000140	O-RING, 1BP14.0	1							
21	1	172112-77361	CONNECTOR	1							
22	1	41851-000110	O-RING	1							
23	1	41851-000180	O RING	1							
24	1	172137-16560	BAND	1							
25	1	172A69-78230	HOSE G616CC159S	1							
26	1	172A69-78250	HOSE G806YY075	1							
27	1	172A69-78261	HOSE G806YY060S	1							
28	1	172A69-78261	HOSE G806YY060S	1							
29	1	172A69-78270	HOSE G806YY140	1							
30	1	23001-016000	CLAMP, HOSE 16	8							
31	1	1E3030-78370	CAP, SCREW	2							
32	1	23871-020000	PLUG, R02	1							W
(A=MZZZZZ)											

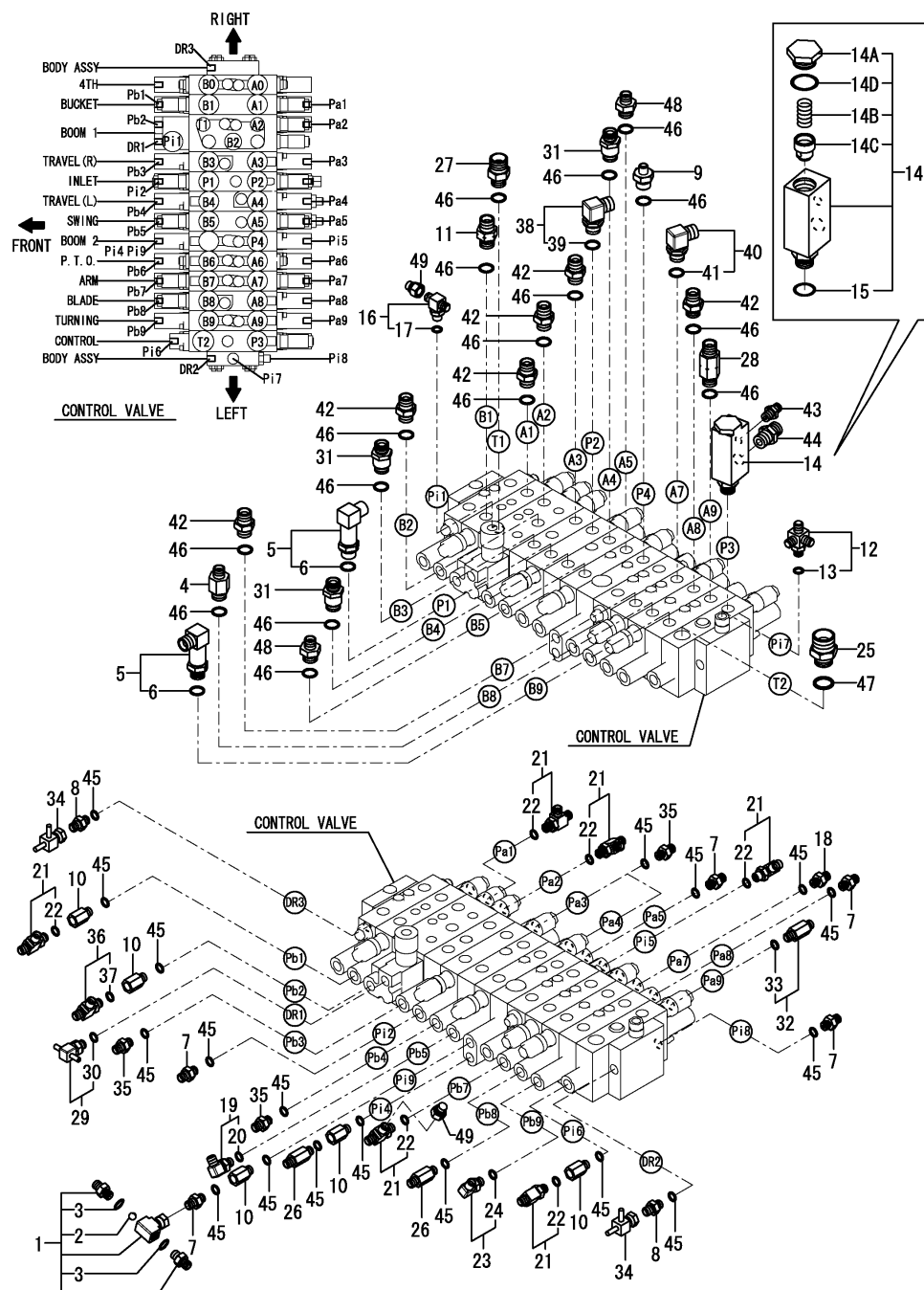
Remarks
(1)Interchangeable by simultaneous replacement with Ref.No.32.

Fig.91. HYD.OIL PIPING(CONTROL VALVE : FITTING)



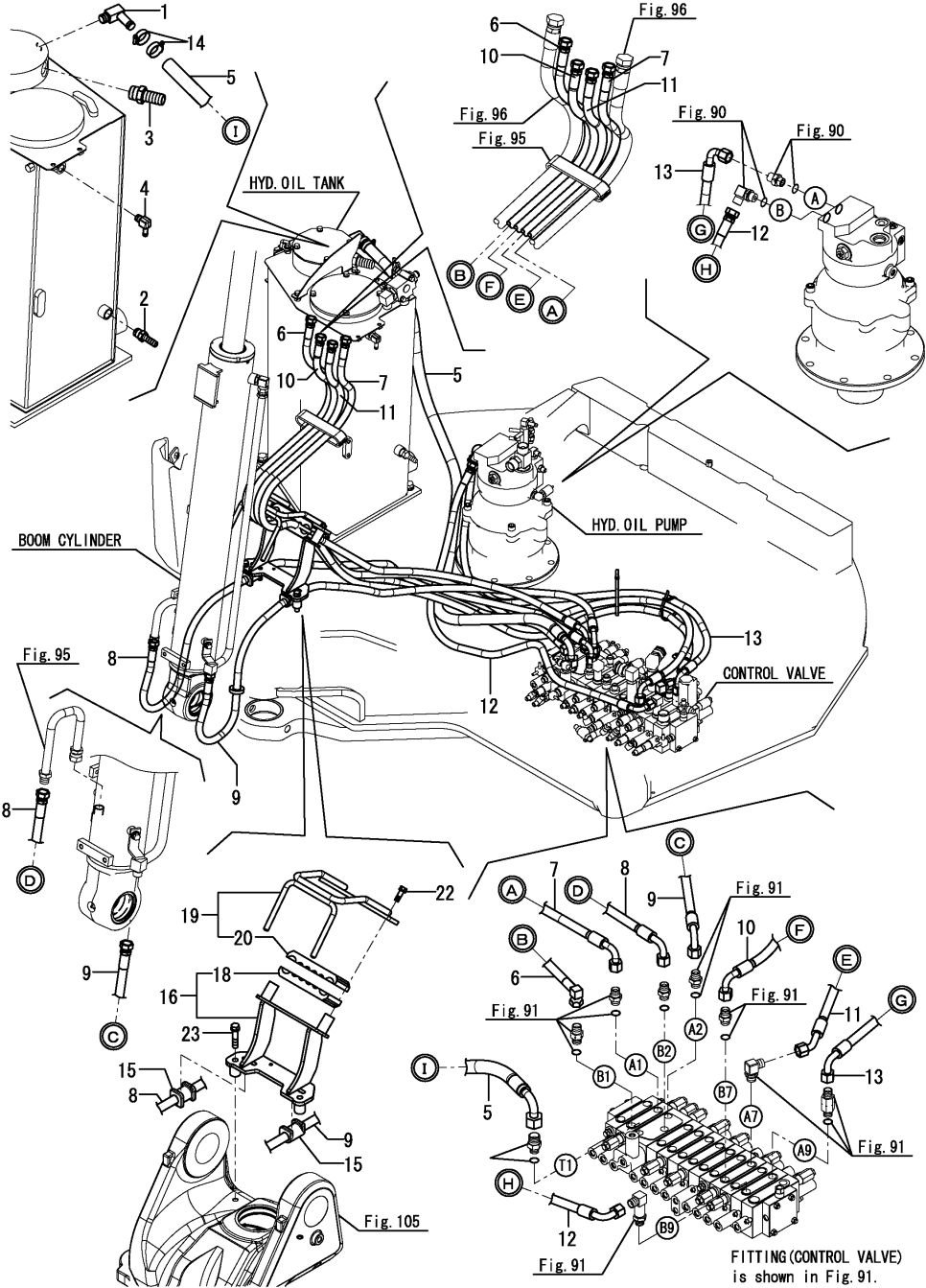
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A86-74500	VALVE,SHUTTLE	1							
2	2	24190-140001	BALL, STEEL 7/16	1							
3	2	41851-000110	O-RING	2							
4	1	172423-76100	CONNECTOR,PF1/2PF3/8	1							
5	1	172524-76110	ELBOW	2							
6	2	24315-000180	O-RING, 1BP18.0	2							
7	1	172123-76121	ADAPTER	5							
8	1	172123-76121	ADAPTER	2							
9	1	172423-76120	CONNECTOR, PF1/2X1/4	1							
10	1	172422-76140	CONNECTOR	5							
11	1	172423-76140	CONNECTOR, 1/2X1/2	1							
12	1	172491-76140	JOINT	1							
13	2	24315-000110	O-RING, 1BP11.0	1							
14	1	172A69-76150	ELBOW	1							
14A	2	172A69-76050	PLUG	1							
14B	2	172A69-76060	SPRING	1							
14C	2	172A69-76070	VALVE, POPPET	1							
14D	2	24315-000240	O-RING, 1BP24.0	1							
15	2	41851-000180	O RING	1							
16	1	172187-76170	TEE, ADJUSTABLE	1							
17	2	24315-000110	O-RING, 1BP11.0	1							
18	1	172A47-76171	CONNECTOR, G1/4X0.6	1							
19	1	172141-76181	CONNECTOR ASSY, 02FF	1							
20	2	41851-000110	O-RING	1							
21	1	172162-76181	JOINT ASSY	6							
22	2	41851-000110	O-RING	6							
23	1	172A47-76180	ELBOW	1							
24	2	41851-000110	O-RING	1							
25	1	172151-76200	JOINT	1							
26	1	172183-76200	CONNECTOR	2							
27	1	172187-76200	ADAPTER, 1/2-3/4	1							
28	1	172176-76210	JOINT, PF1/2	1							
29	1	172A47-76230	NIPPLE, TEE	1							
30	2	41851-000110	O-RING	1							
31	1	172147-76271	CONNECTOR, 1/2X1/2	3							
32	1	172A47-76290	CONNECTOR	1							
33	2	41851-000110	O-RING	1							
34	1	172A47-76320	NIPPLE	2							
35	1	172164-76330	JOINT, PF1/4-0.7	4							
36	1	172164-76700	JOINT ASSY	1							
37	2	24315-000110	O-RING, 1BP11.0	1							
38	1	172141-76900	CONNECTOR ASSY	1							
39	2	24315-000180	O-RING, 1BP18.0	1							
40	1	172141-76900	CONNECTOR ASSY	1							
41	2	24315-000180	O-RING, 1BP18.0	1							
42	1	172112-77361	CONNECTOR	6							
43	1	23391-020000	JOINT, RGI-1/4	1							
44	1	23391-040000	JOINT, RGI-1/2	1							
45	1	41851-000110	O-RING	19							
46	1	41851-000180	O RING	16							
47	1	41851-000240	PACKING, 24.0	1							

Fig.91. HYD.OIL PIPING(CONTROL VALVE : FITTING)



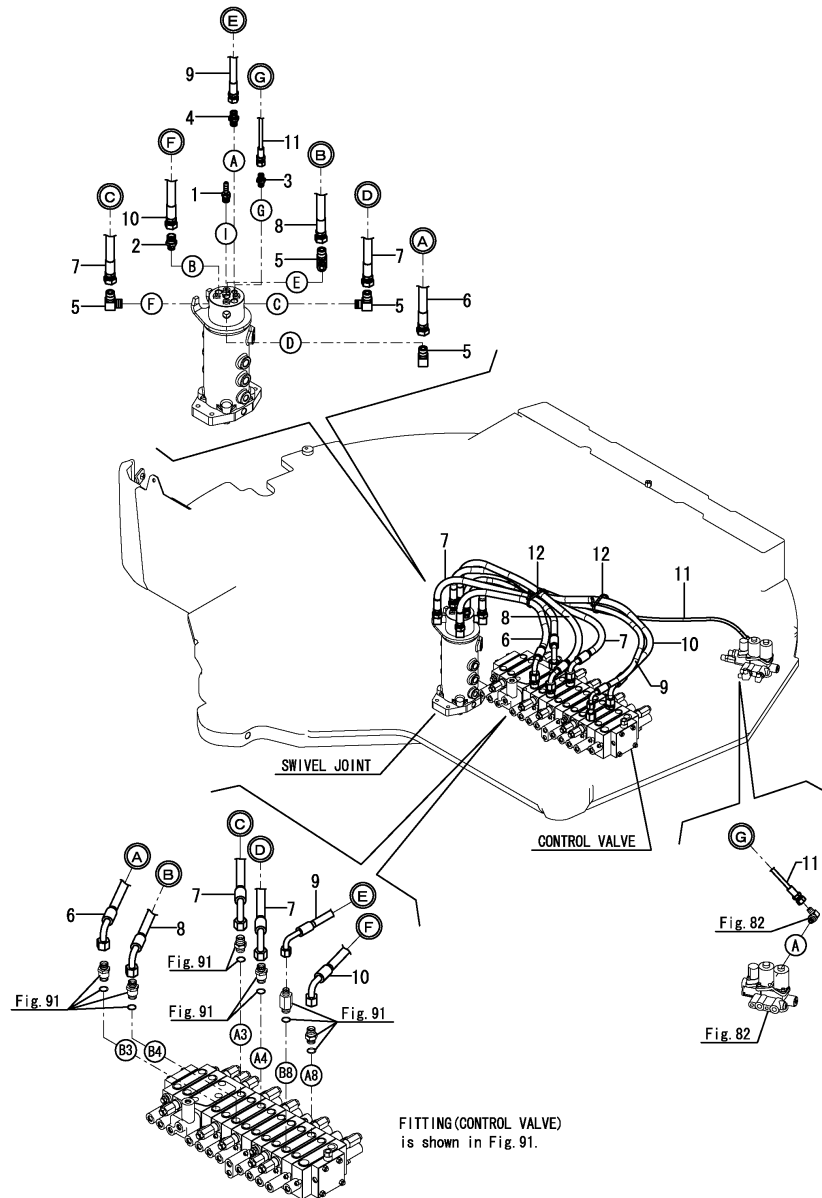
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
48	1	933160-01370	CONNECTOR,PF1/2PF3/8	2					
49	1	1E3030-78370	CAP. SCREW	2					

Fig.92. HYD.OIL PIPING(CONTROL VALVE - BOOM, TURNING MOTOR, TANK)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172455-76160	ELBOW	1							
1-1	1	172A89-76170	ELBOW, 90 1/2	1							N
(A=MZZZZZ)											
2	1	172168-76170	CONNECTOR	1							
3	1	172187-76180	NIPPLE, HOSE	1							
4	1	172168-76370	ELBOW	1							
5	1	172A69-78220	HOSE	1							
6	1	172A89-78300	HOSE H108BV238K	1							
7	1	172A89-78310	HOSE H108BC234K	1							
8	1	172A69-78320	HOSE	1							
9	1	172A69-78330	HOSE	1							
10	1	172A89-78430	HOSE G108BC291K	1							
11	1	172A89-78440	HOSE H108BE272K	1							
12	1	172A69-78470	HOSE	1							
13	1	172A69-78480	HOSE	1							
14	1	23001-035000	CLAMP, HOSE 35	2							
15	1	172187-78100	RUBBER	2							
16	1	172A89-79100	CLAMP ASSY, HOSE	1							
16-1	1	172A89-79100-Y	CLAMP ASSY, HOSE	1							S
(A=M92001)											
18	2	172A89-79140	SUPPORT, RUBBER	1							
19	1	172A89-79150	PLATE ASSY,CLAMP(2J)	1							
19-1	1	172A89-79150-Y	PLATE ASSY,CLAMP	1							S
(A=M92001)											
20	2	172A89-79140	SUPPORT, RUBBER	1							
22	1	26013-100302	BOLT, M10X 30	2							
23	1	26013-120602	BOLT, M12X 60	2							

Fig.93. HYD.OIL PIPING(CONTROL VALVE - SWIVEL JOINT)



Remarks
(1)New parts(:N-spec. Swivel joint)
are shown in Fig.119(70B).

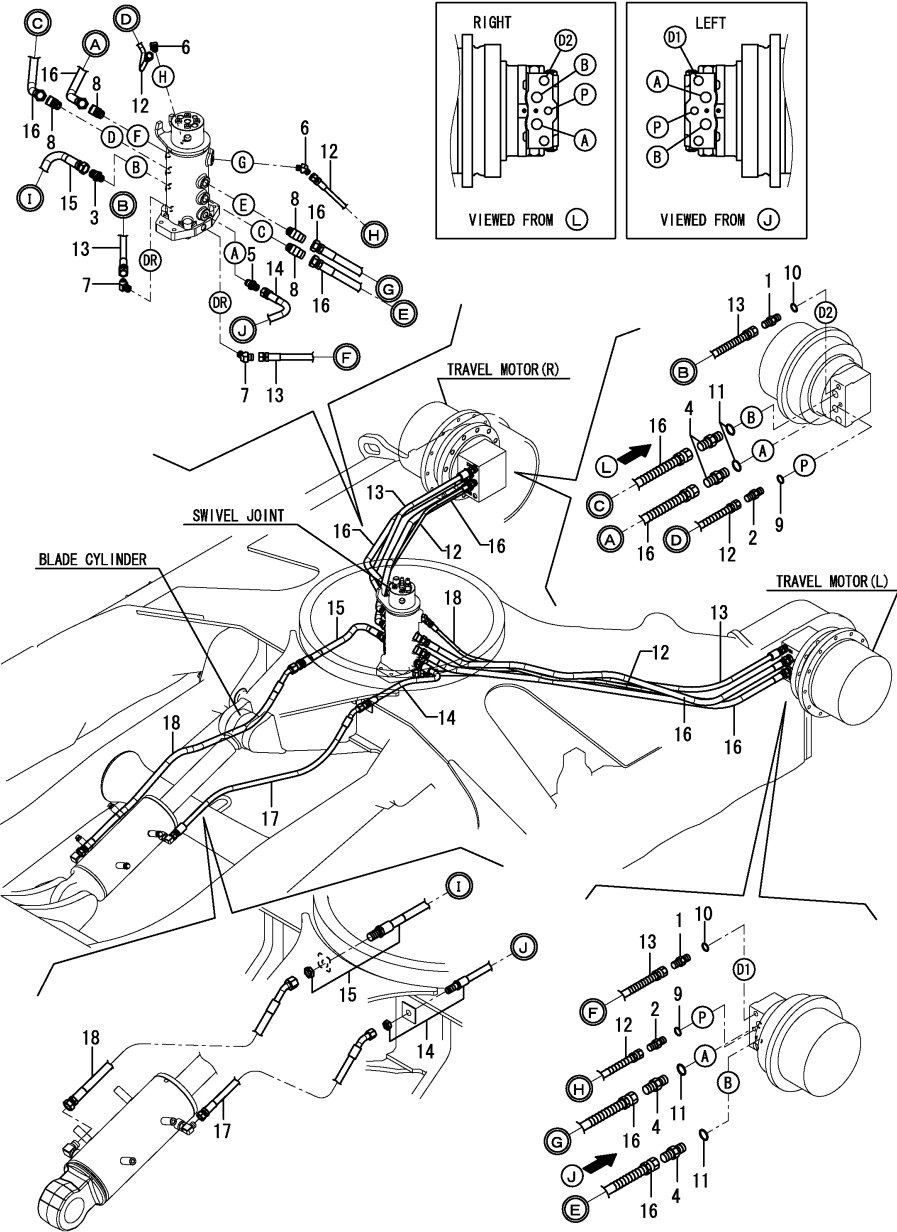
(A)=VIO80(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-76110	NIPPLE	1						Z	1
		(A=M92122)									
2	1	172141-76940	ADAPTER	1						Z	1
		(A=M92122)									
3	1	23391-020000	JOINT, RGI-1/4	1						Z	1
		(A=M92122)									
4	1	23391-030000	JOINT, RGI-3/8	1						Z	1
		(A=M92122)									
5	1	23393-040000	JOINT, 90RGI-1/2	4						Z	1
		(A=M92122)									
6	1	172A69-78340	HOSE	1							
7	1	172A69-78350	HOSE	2							
8	1	172A69-78360	HOSE	1							
9	1	172A69-78450	HOSE	1							
10	1	172A69-78460	HOSE	1							
11	1	172A69-78900	HOSE	1							
12	1	172122-79890	CLAMP, HOSE	3							

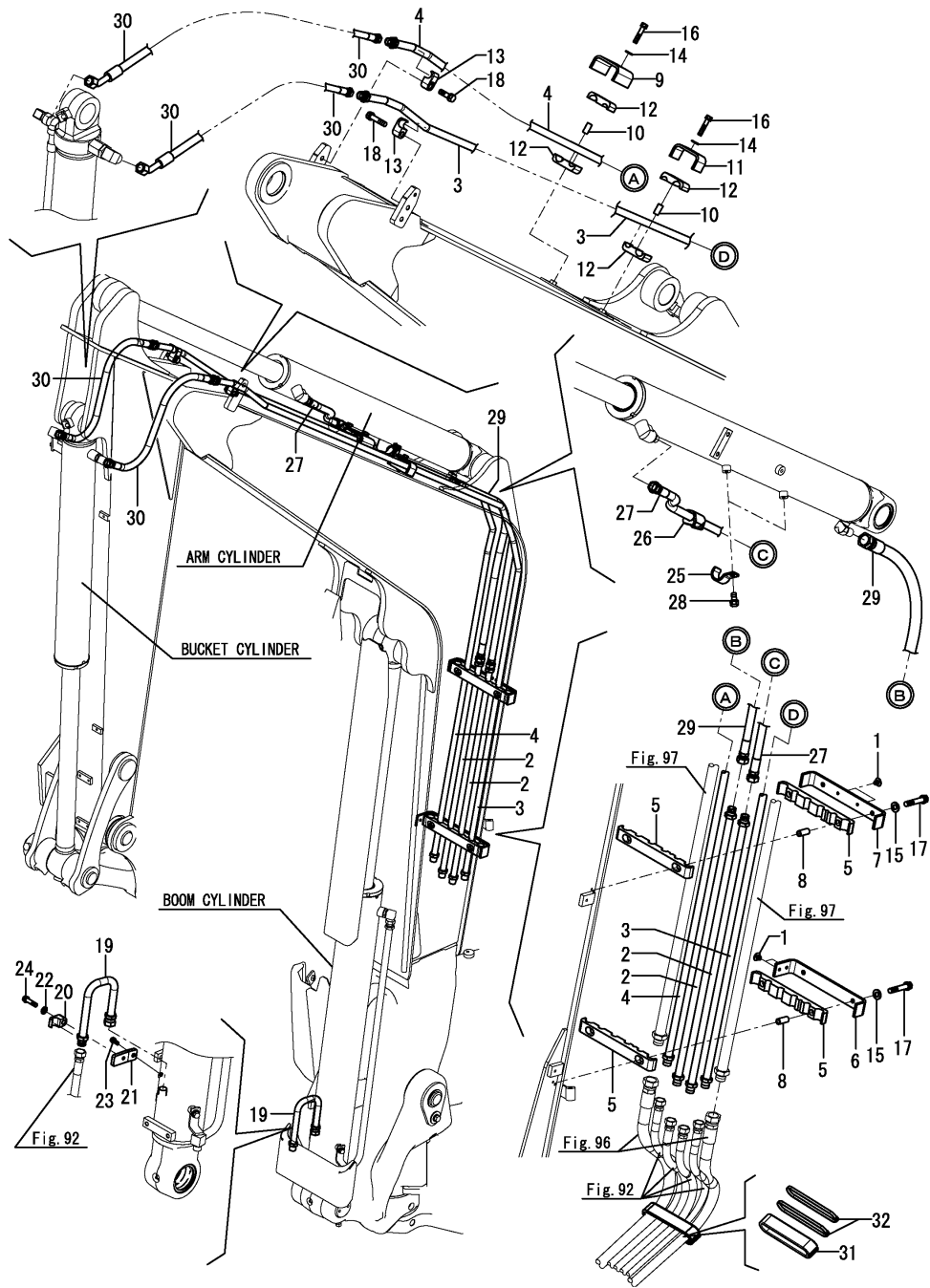
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.94. HYD.OIL PIPING(TRACK FRAME)

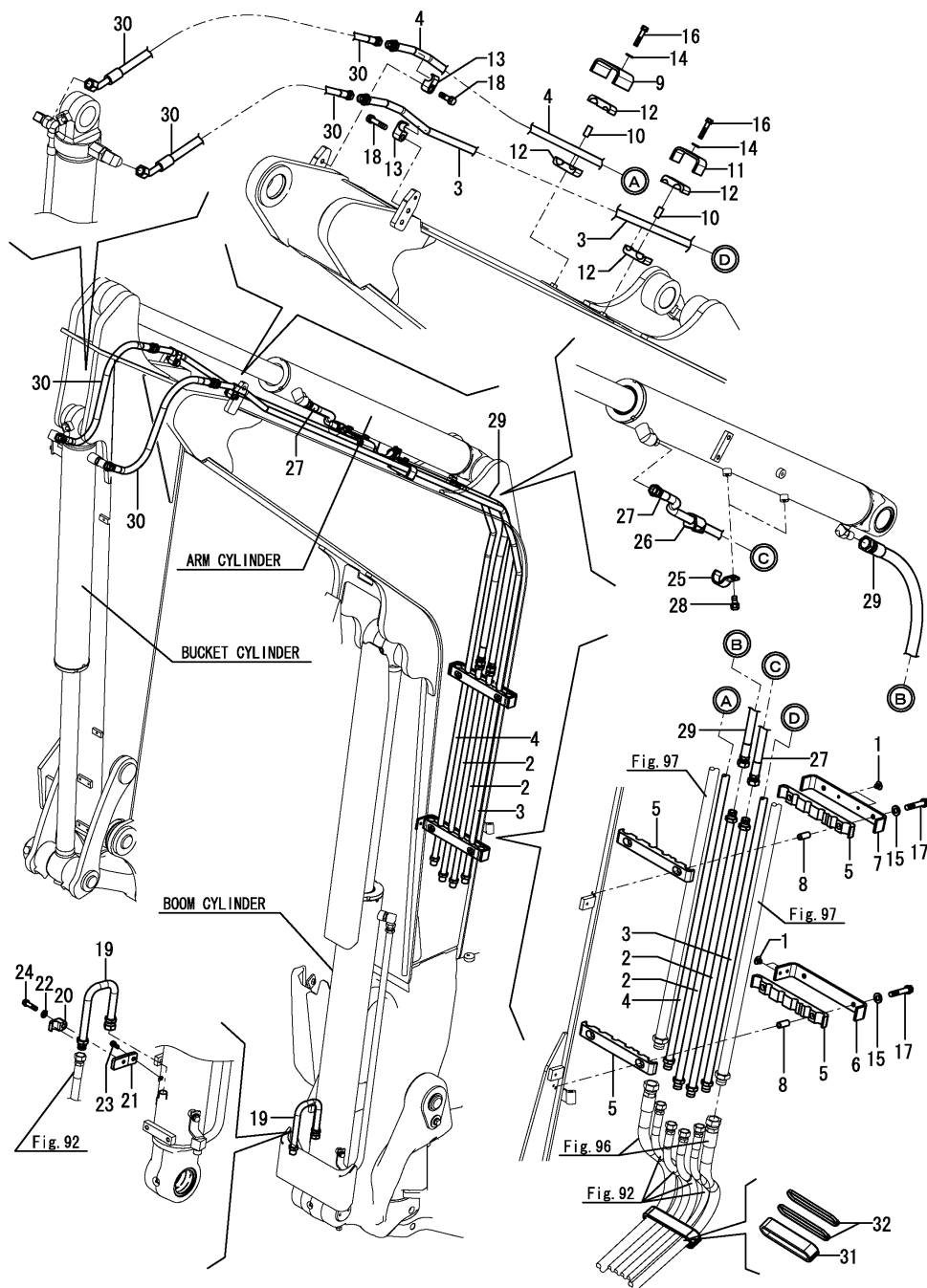


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	2							
2	1	172123-76121	ADAPTER	2							
3	1	172141-76940	ADAPTER	1						Z	1
(A=M92122)											
4	1	172112-77361	CONNECTOR	4							
5	1	23391-030000	JOINT, RGI-3/8	1						Z	1
(A=M92122)											
6	1	23394-020000	JOINT, 45RGI-1/4	2						Z	1
(A=M92122)											
7	1	23394-030000	JOINT, 45RGI-3/8	2						Z	1
(A=M92122)											
8	1	23394-040000	JOINT, 45RGI-1/2	4						Z	1
(A=M92122)											
9	1	41851-000110	O-RING	2							
10	1	41851-000140	O-RING	2							
11	1	41851-000180	O-RING	4							
12	1	172187-78201	HOSE	2							
13	1	172187-78211	HOSE	2							
14	1	172A69-78510	HOSE	1							
15	1	172A69-78520	HOSE	1							
16	1	172A99-78530	HOSE	4							
17	1	172A69-78530	HOSE	1							
18	1	172A69-78540	HOSE	1							

Remarks
(1)New parts(:N-spec. Swivel joint)
are shown in Fig.119(70B).

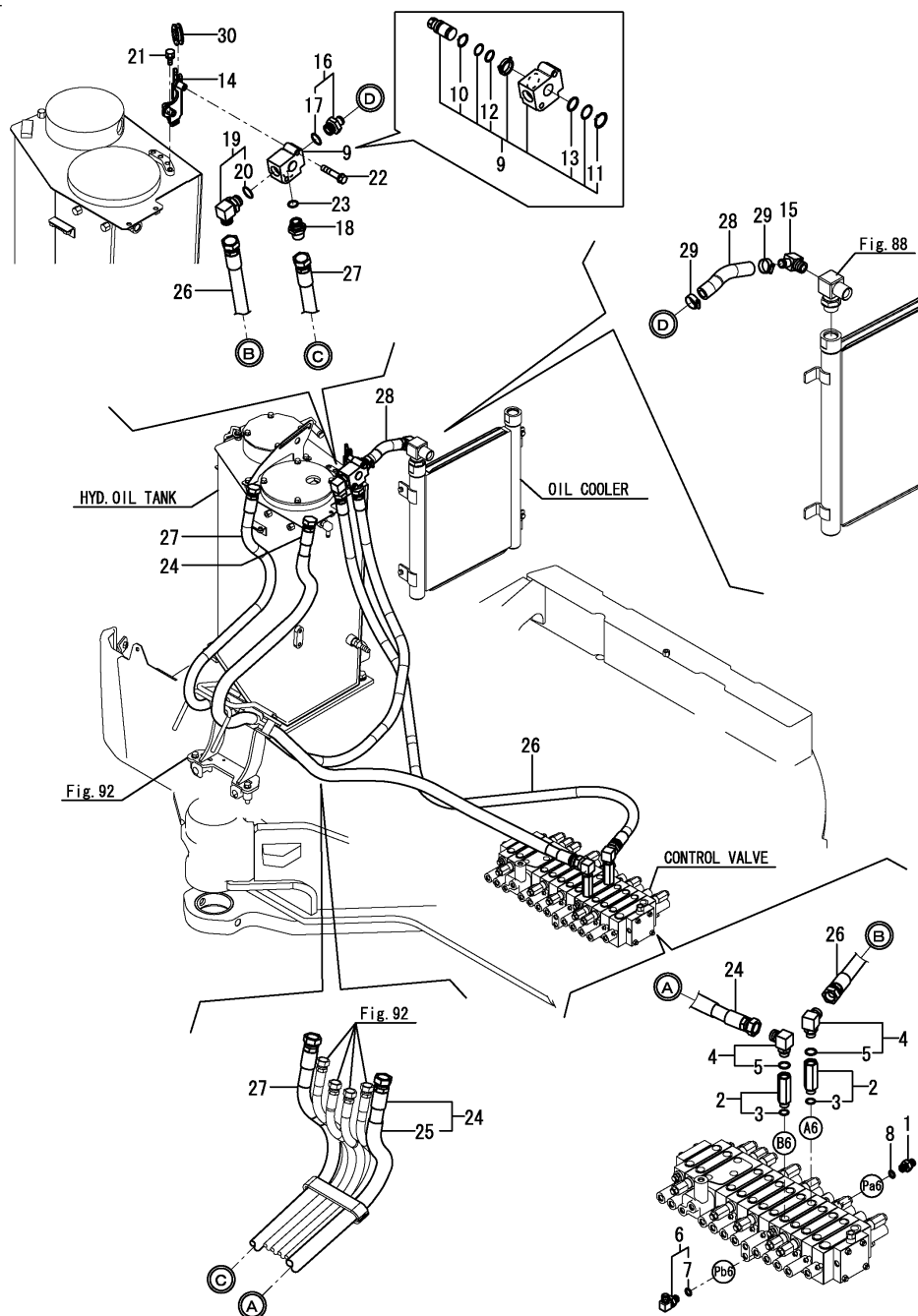


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE	6							
2	1	172A69-76200	TUBE ASSY, ARM	2							
2-1	1	172A69-76200-Y	TUBE ASSY, ARM	2							S
(A=M92001)											
3	1	172A89-76250	TUBE ASSY, BUCKET	1							
3-1	1	172A89-76250-Y	TUBE ASSY, BUCKET	1							S
(A=M92001)											
4	1	172A69-76270	TUBE ASSY, BUCKET	1							
4-1	1	172A69-76270-Y	TUBE ASSY, BUCKET	1							S
(A=M92001)											
5	1	172A89-76400	CLAMP, RUBBER	4							
6	1	172A69-76420	CLAMP, TUBE	1							
6-1	1	172A69-76420-Y	CLAMP, TUBE	1							S
(A=M92001)											
7	1	172A69-76430	CLAMP, TUBE	1							
7-1	1	172A69-76430-Y	CLAMP, TUBE	1							S
(A=M92001)											
8	1	172A69-76450	COLLAR, CLAMP	4							
9	1	172A69-76460	CLAMP, TUBE	1							
9-1	1	172A69-76460-Y	CLAMP, TUBE	1							S
(A=M92001)											
10	1	172187-76520	COLLAR, CLAMP	2							
11	1	172187-76530-2	CLAMP, TUBE	1							
11-1	1	172187-76530-Y	CLAMP, TUBE	1							S
(A=M92001)											
12	1	172187-76940	RUBBER	4							
13	1	172142-76950-6	CLAMP	2							
13-1	1	172142-76950-Y	CLAMP, 1/2	2							S
(A=M92001)											
14	1	22137-100000	WASHER, 10	2							
15	1	22137-100000	WASHER, 10	4							
16	1	26013-100502	BOLT, M10X 50	2							
17	1	26013-100552	BOLT, M10X 55	4							
18	1	26013-120402	BOLT, M12X 40	2							
19	1	172A89-72270	TUBE, BOOM	1							
19-1	1	172A89-72270-N	TUBE, BOOM	1							S
(A=M92001)											
20	1	172142-76950-6	CLAMP	1							
20-1	1	172142-76950-N	CLAMP	1							S
(A=M92001)											
21	1	172A69-77240	PLATE, CLAMP H	1							
22	1	22137-100000	WASHER, 10	1							
23	1	26013-080202	BOLT, M8X 20	1							
24	1	26013-100402	BOLT, M10X 40	1							
25	1	172A69-72680	CLAMP ASSY, HOSE	2							
26	1	172187-78100	RUBBER	2							
27	1	172A69-78280	HOSE	1							
28	1	26013-100162	BOLT, M10X 16	2							
29	1	172A89-78550	HOSE H108BB095K	1							
30	1	172A89-78570	HOSE H108BB070W	2							
31	1	172A69-78680	COVER, HOSE	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	1	172A69-79890	CLIP, HOSE	2							

Fig.96. HYD.OIL.PIPING(P.T.O. : FRAME END)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	1							
2	1	172A21-76120	ADAPTER	2							
3	2	41851-000180	O-RING	2							
4	1	172151-76161	ELBOW ASSY	2							
5	2	24315-000180	O-RING, 1BP18.0	2							
6	1	172141-76181	CONNECTOR ASSY, 02FF	1							
7	2	41851-000110	O-RING	1							
8	1	41851-000110	O-RING	1							
9	1	172A69-74050	VALVE ASSY,SELECOR	1							
10	2	22242-000210	RING, 21	1							
11	2	22242-000250	RING, 25	1							
12	2	24315-000210	O-RING, 1BP21.0	1							
13	2	24315-000250	O-RING, 1BP25.0	1							
14	1	172A69-74070	STAY, VALVE	1							
15	1	172467-76120	ELBOW	1							
16	1	172524-76210	NIPPLE, HOSE 3/4	1							
17	2	24315-000240	O-RING, 1BP24.0	1							
18	1	172142-76240	JOINT	1							
19	1	172165-76380	CONNECTOR ASSY	1							
20	2	24315-000240	O-RING, 1BP24.0	1							
21	1	26013-100162	BOLT, M10X 16	2							
22	1	26013-100502	BOLT, M10X 50	2							
23	1	41851-000240	O-RING	1							
24	1	172A89-78400	HOSE G112BB259K	1							
25	2	172175-78720	SPONGE, HOSE 330	1							
26	1	172A89-78410	HOSE G112BB205K	1							
27	1	172A89-78420	HOSE G112BB304K	1							
28	1	172A89-78490	HOSE G812YY018	1							
29	1	23001-025000	CLAMP, HOSE 25	2							
30	1	172422-78760	GROMMET	1							W

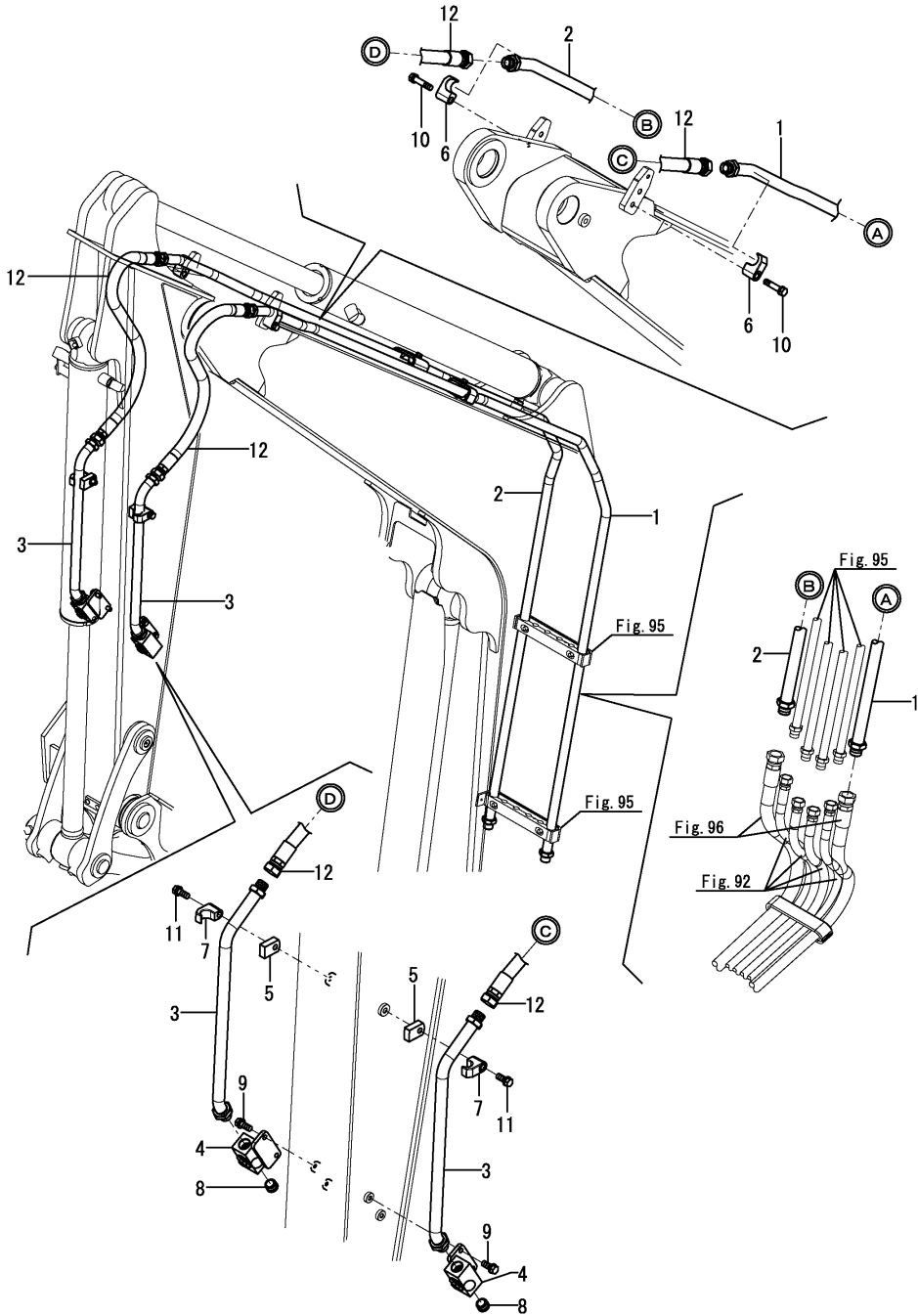
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.97. HYD.OIL PIPING(P.T.O. : ARM END)

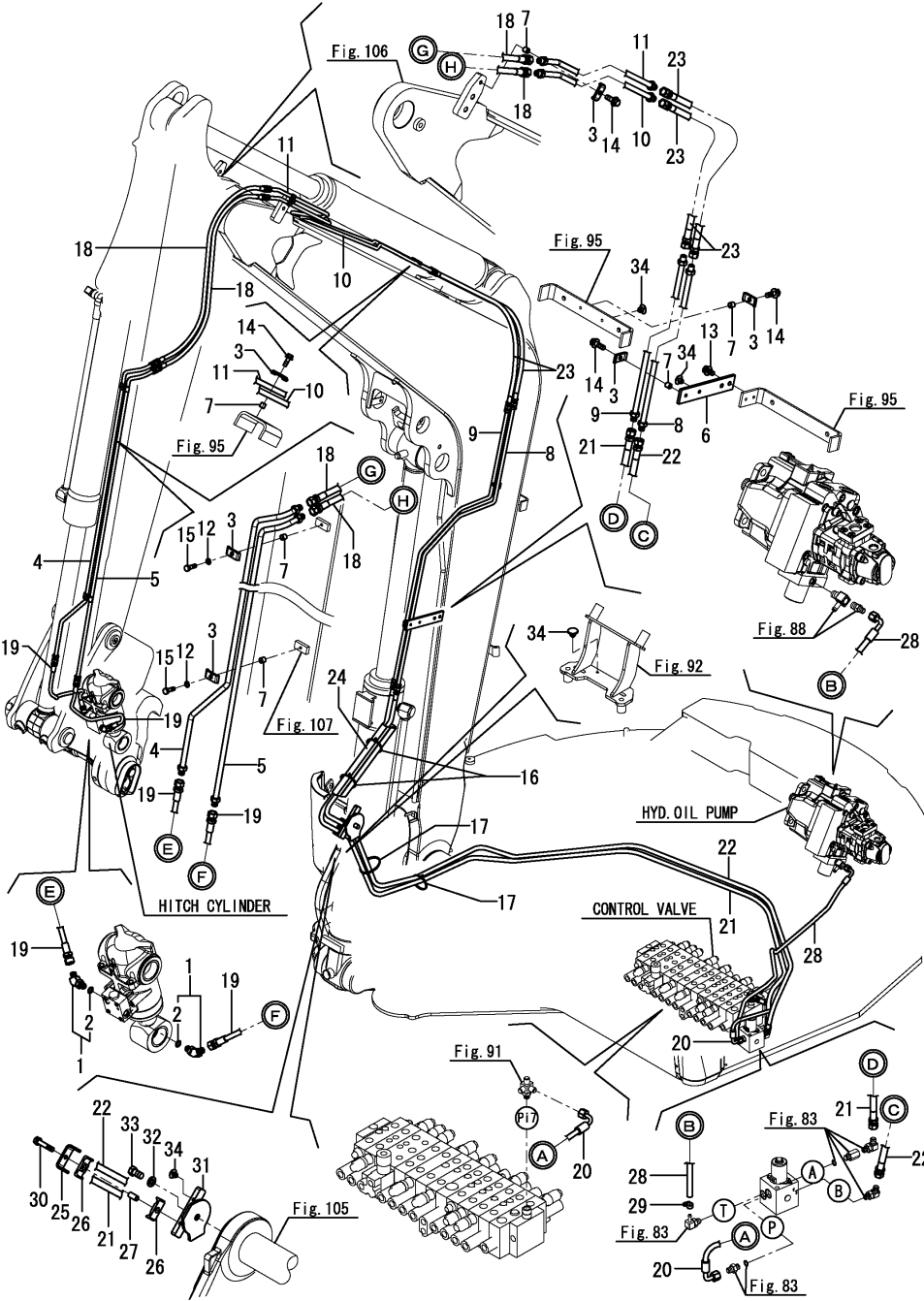
(A)=VIO80(KR)
(B)=
(C)=

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



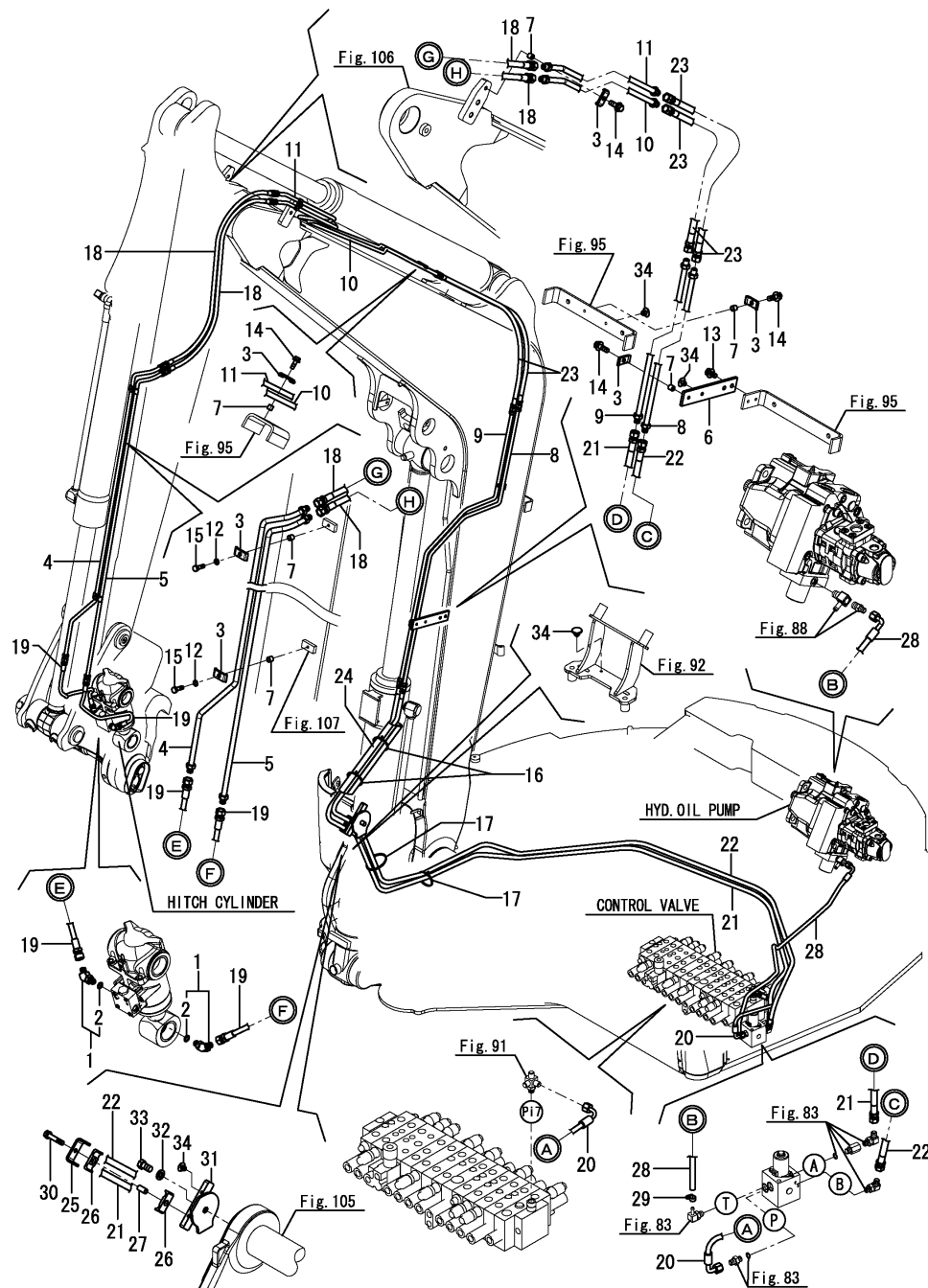
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-76300	TUBE ASSY, PTO	1							
1-1	1	172A69-76300-Y	TUBE ASSY, PTO	1							S
(A=M92001)											
2	1	172A69-76320	TUBE ASSY, PTO	1							
2-1	1	172A69-76320-Y	TUBE ASSY, PTO	1							S
(A=M92001)											
3	1	172187-76570-2	TUBE, 3RD	2							
3-1	1	172187-76570-Y	TUBE, 3RD	2							S
(A=M92001)											
4	1	172176-76582-2	VALVE ASSY, STOP	2							
4-1	1	172176-76582-Y	VALVE ASSY, STOP	2							S
(A=M92001)											
4-2	1	172B11-74800	VALVE ASSY,STOP R3/4	2							N
(A=M92224)											
5	1	172187-76690-2	PLATE	2							
5-1	1	172187-76690-Y	PLATE	2							S
(A=M92001)											
6	1	172142-76940-2	CLAMP	2							
6-1	1	172142-76940-Y	CLAMP	2							S
(A=M92001)											
7	1	172142-76940-2	CLAMP	2							
7-1	1	172142-76940-Y	CLAMP	2							S
(A=M92001)											
8	1	23871-060000	PLUG, R06	2							
9	1	26013-100252	BOLT, SPRING M10X 25	4							
10	1	26013-120552	BOLT, SPRING M12X 55	2							
11	1	26013-120702	BOLT, SPRING M12X 70	2							
12	1	172187-79250	HOSE	2							

Fig.98. HYD.OIL PIPING(QUICK COUPLER)



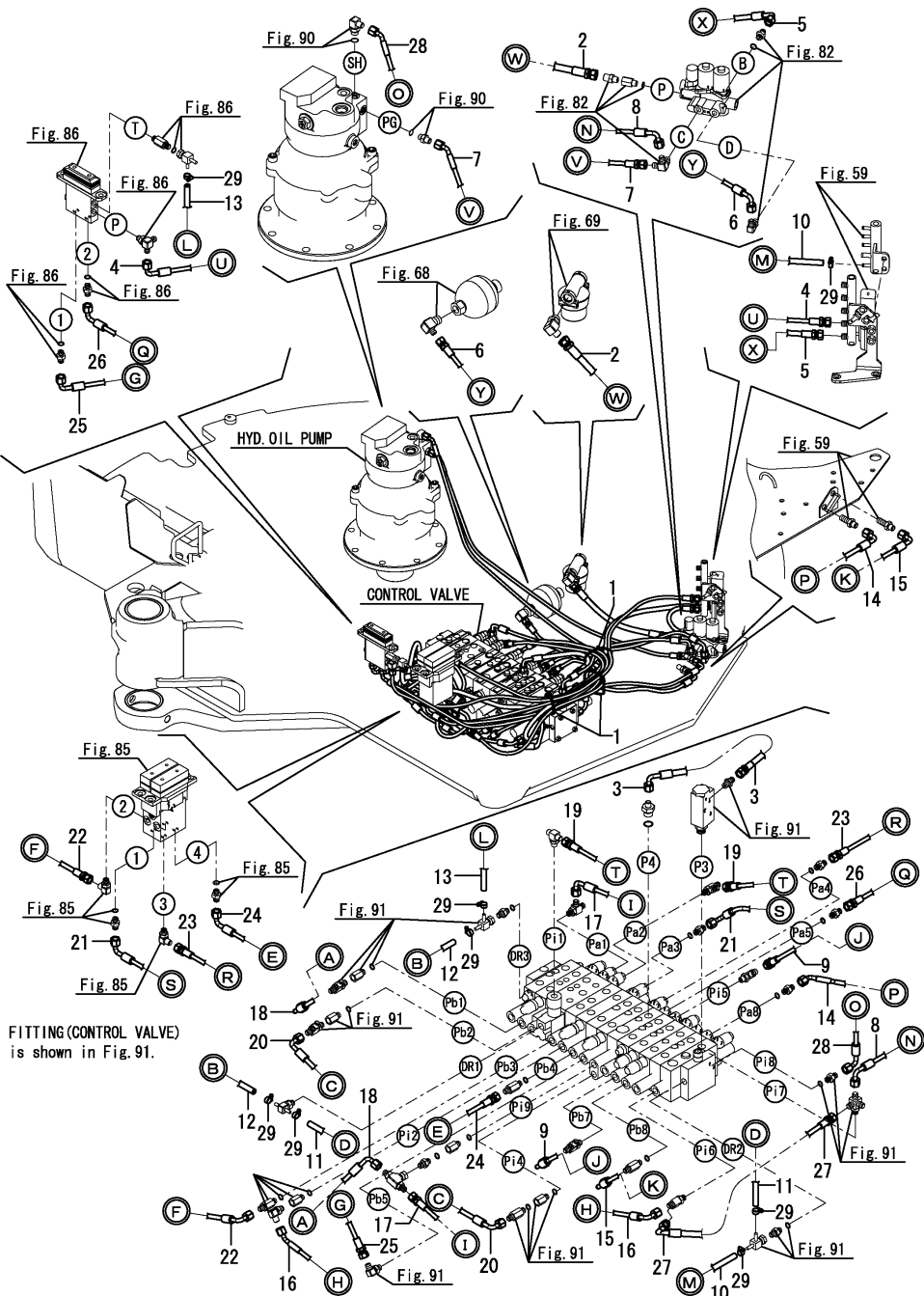
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172978-76100	ELBOW	2							
2	2	24315-000110	O-RING, 1BP11.0	2							
3	1	172110-76170-3	PLATE	6							
3-1	1	172110-76170	PLATE	6							R
(A=M90501)											
4	1	172978-76480-2	TUBE ASSY, ARM	1							
4-1	1	172978-76480-Y	TUBE ASSY, ARM	1							S
(A=M92001)											
5	1	172978-76500-2	TUBE ASSY, ARM	1							
5-1	1	172978-76500-Y	TUBE ASSY, ARM	1							S
(A=M92001)											
6	1	172A69-76510	PLATE,CLAMP Q HV(2J)	1							
6-1	1	172A69-76510-Y	PLATE,CLAMP Q HV	1							S
(A=M92001)											
7	1	172137-76580	COLLAR	6							
8	1	172A69-76600	TUBE ASSY	1							
8-1	1	172A69-76600-Y	TUBE ASSY	1							S
(A=M92001)											
9	1	172A69-76620	TUBE ASSY	1							
9-1	1	172A69-76620-Y	TUBE ASSY	1							S
(A=M92001)											
10	1	172A69-76640	TUBE ASSY	1							
10-1	1	172A69-76640-Y	TUBE ASSY	1							S
(A=M92001)											
11	1	172A69-76660	TUBE ASSY	1							
11-1	1	172A69-76660-Y	TUBE ASSY	1							S
(A=M92001)											
12	1	22217-080000	WASHER, SPRING 8	2							
13	1	26014-080162	BOLT, M8X 16	2							
14	1	26014-080252	BOLT, M8X 25	4							
15	1	26076-080252	BOLT, 10.98X 25	2							
16	1	172126-11510	BAND	2							
17	1	194202-56460	BAND, 200	2							
18	1	172978-78111	HOSE	2							
19	1	172958-78120	HOSE	2							
20	1	172A69-78591	HOSE H604CC025	1							
21	1	172A89-78600	HOSE H604BB339K	1							
22	1	172A89-78610	HOSE H604BB339K	1							
23	1	172A69-78620	HOSE H604BB093K	2							
24	1	172A69-78670	COVER, HOSE	1							
25	1	172A69-79200	CLAMP, 54X25	1							
26	1	172A69-79210	SUPPORT, RUBBER	2							
27	1	172A69-79220	COLLAR, 9X24	1							
28	1	172A89-79620	HOSE G804CY103	1							
29	1	23000-013000	CLAMP, 13	1							
30	1	26013-080402	BOLT, SPRING M8X 40	1							
31	1	172A69-79250	CLAMP ASSY	1							
31-1	1	172A69-79250-Y	CLAMP ASSY	1							S
(A=M92001)											
32	1	22217-140000	WASHER, SPRING 14	1							
33	1	26116-140252	BOLT, M14X 25 PLATED	1							

Fig.98. HYD.OIL PIPING(QUICK COUPLER)



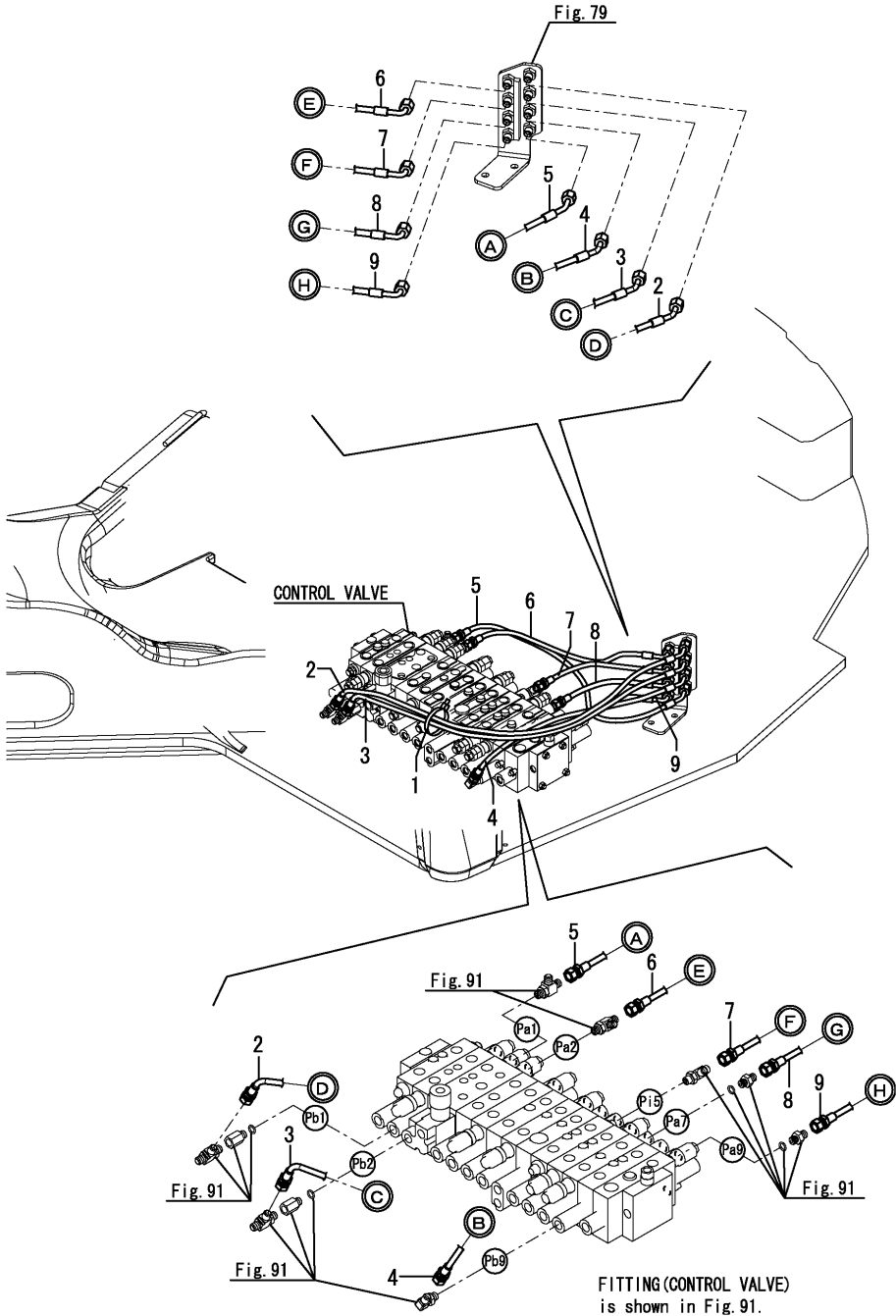
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
34	1	172444-17660	CLIP, TREE	4							
34-1	1	172B11-76900	CLIP, TREE 8	4							N

Fig.99. CONTROL PIPING(CONTROL VALVE - SOLENOID VALVE)



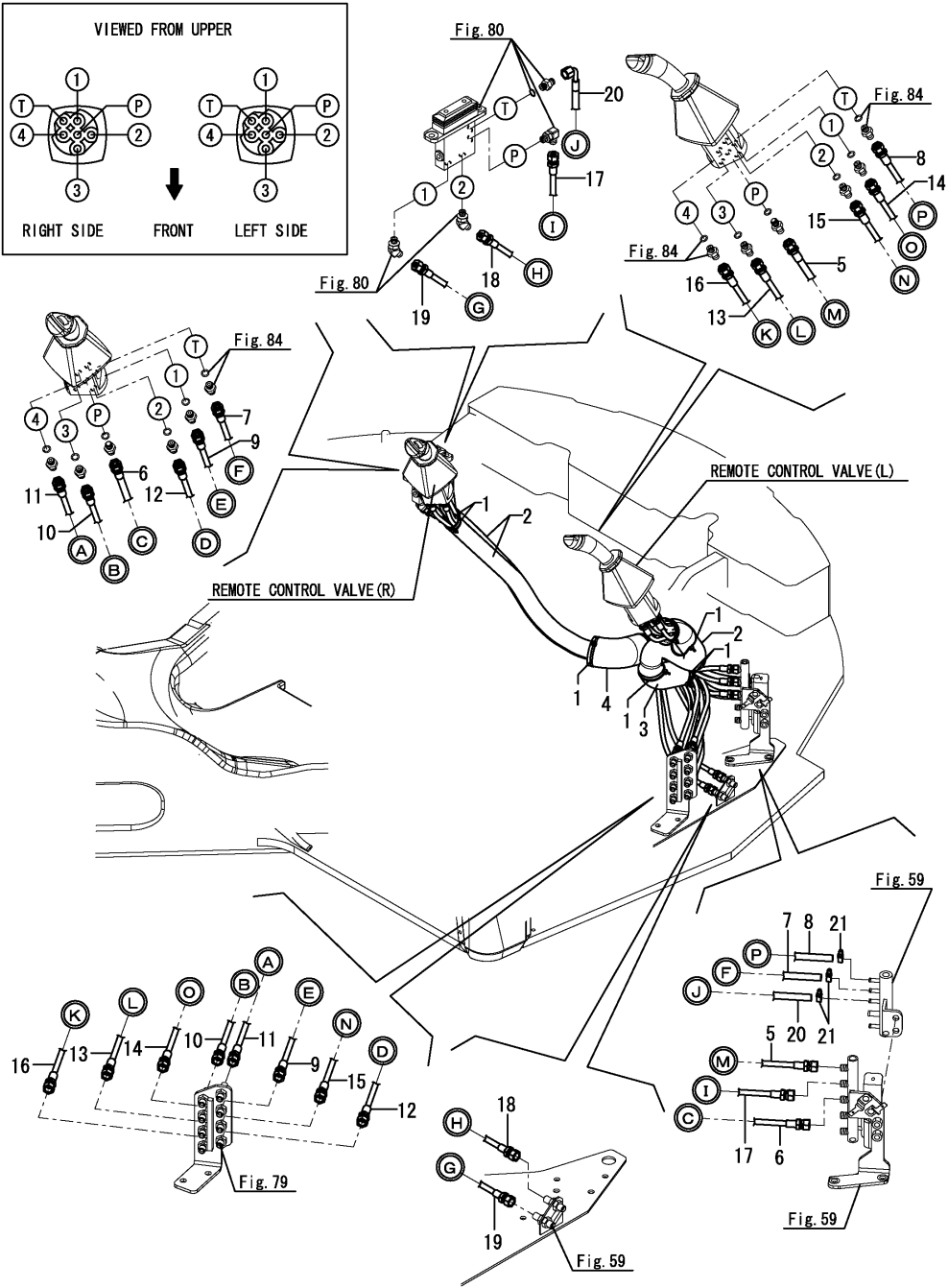
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, 200	5							
2	1	172A69-78190	HOSE H604BB036S	1							
3	1	172A69-78370	HOSE H104BC034	1							
4	1	172A69-78860	HOSE F403BC148	1							
5	1	172A69-78870	HOSE H604BC026	1							
6	1	172A69-78880	HOSE F403BC059S	1							
7	1	172A69-78890	HOSE F403BE120S	1							
8	1	172A69-78910	HOSE F403CC067	1							
9	1	172A69-78920	HOSE F403BC083	1							
10	1	172A69-78930	HOSE G804YY115S	1							
11	1	172A69-78940	HOSE G804YY045S	1							
12	1	172A69-78950	HOSE G804YY017S	1							
13	1	172A69-78960	HOSE G804YY034	1							
14	1	172A69-78980	HOSE H603CE042	1							
15	1	172A69-78990	HOSE F403CC090	1							
16	1	172A69-79400	HOSE F403CE027	1							
17	1	172A69-79410	HOSE F403BE113	1							
18	1	172A69-79420	HOSE H603CC035	1							
19	1	172A69-79430	HOSE F403BB117	1							
20	1	172A69-79440	HOSE H603CC022	1							
21	1	172A69-79450	HOSE F403CC115	1							
22	1	172A69-79460	HOSE H603BC026	1							
23	1	172A69-79470	HOSE F403BB115	1							
24	1	172A69-79481	HOSE H603BC036	1							
25	1	172A69-79501	HOSE F403BC042	1							
26	1	172A69-79511	HOSE F403BC133	1							
27	1	172A69-79520	HOSE H603BC023	1							
28	1	172A69-79530	HOSE F403CE135S	1							
29	1	23000-013000	CLAMP, 13	8							

Fig.100. CONTROL PIPING(CONTROL VALVE - PIPING BRACKET)



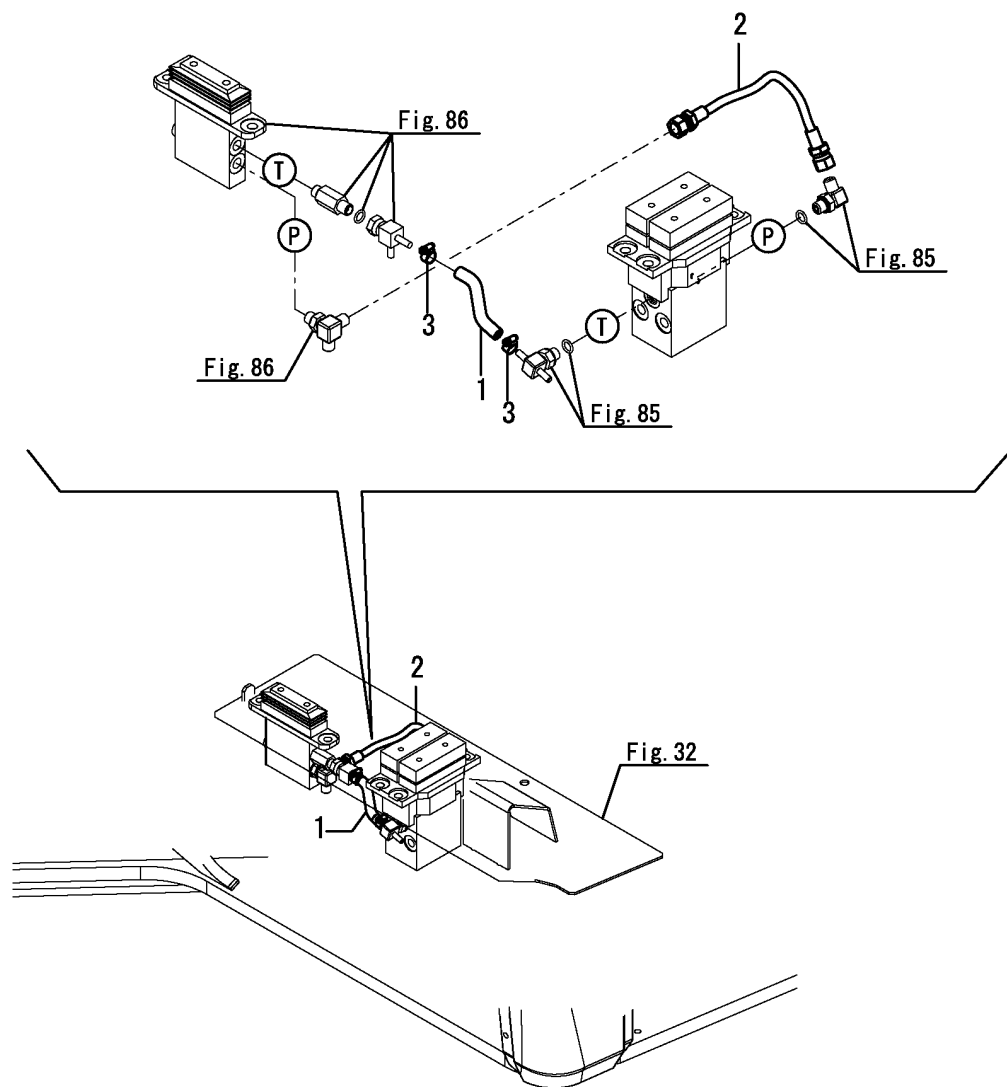
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, 200	1							
2	1	172A69-79300	HOSE F403BE101	1							
3	1	172A69-79310	HOSE F403BE097	1							
4	1	172A69-79320	HOSE F403BE065	1							
5	1	172A69-79330	HOSE F403EE065	1							
6	1	172A69-79340	HOSE F403BC061	1							
7	1	172A69-79350	HOSE H603BC036	1							
8	1	172A69-79360	HOSE H603BC028	1							
9	1	172A69-79370	HOSE H603BC021	1							

Fig.101. CONTROL PIPING(PIPING BRACKET- REMOTE CONTROL VALVE)



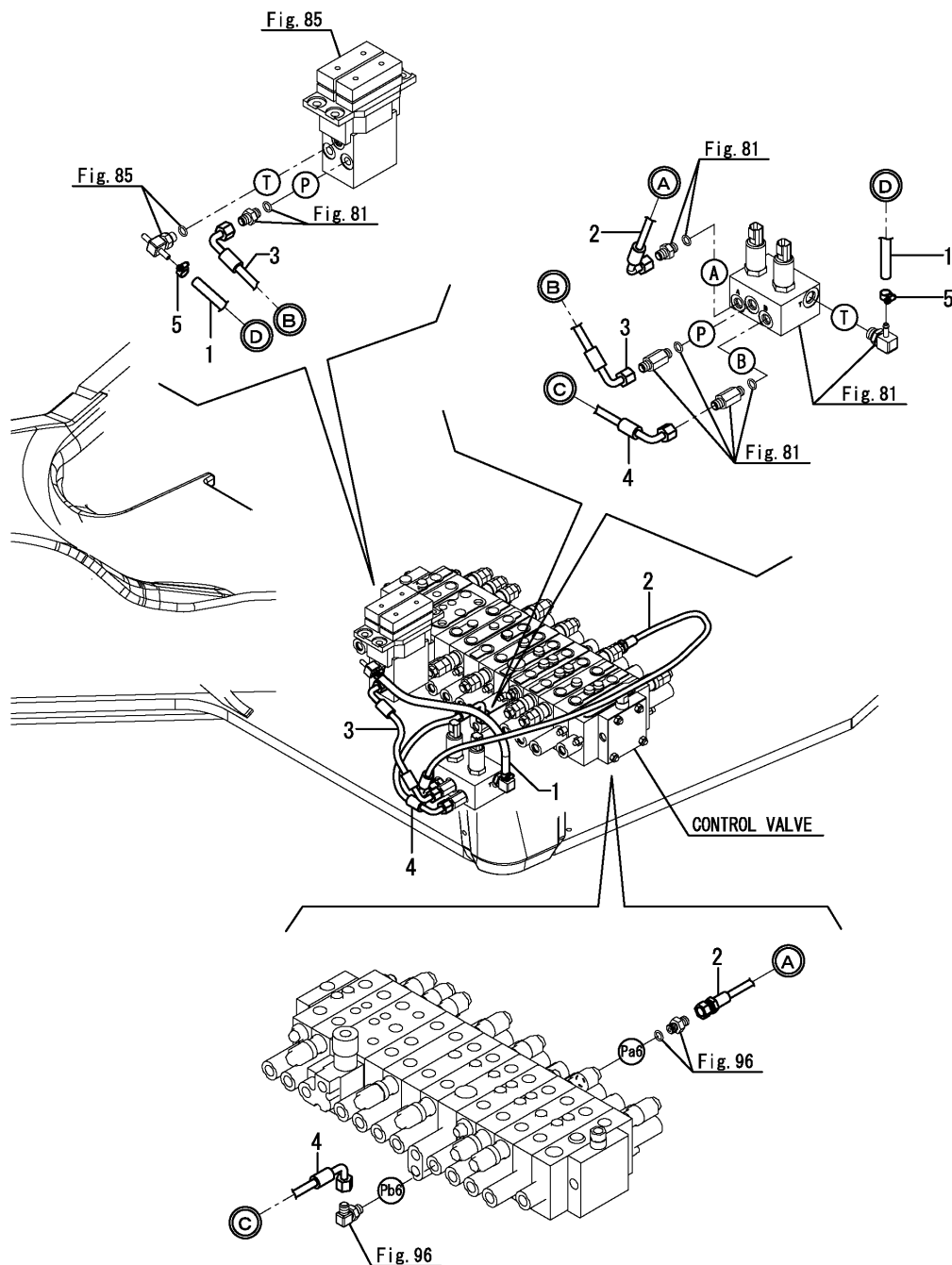
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	11							
2	1	172A69-78630	COVER, HOSE	3							
3	1	172A69-78650	SPONGE, HOSE	1							
4	1	172A69-78660	SPONGE, HOSE	1							
5	1	172A69-78700	HOSEH603BB106	1							
6	1	172A69-78710	HOSE H603BB092	1							
7	1	172A69-78720	HOSE G804BY120	1							
8	1	172A69-78730	HOSE G804BY095	1							
9	1	172A69-78740	HOSE H603BB134	1							
10	1	172A69-78750	HOSE H603BB123	1							
11	1	172A69-78760	HOSE H603BB130	1							
12	1	172A69-78770	HOSE H603BB126	1							
13	1	172A69-78780	HOSE H603BB104	1							
14	1	172A69-78790	HOSE H603BB103	1							
15	1	172A69-78800	HOSE H603BB106	1							
16	1	172A69-78810	HOSE H603BB105	1							
17	1	172A69-78820	HOSE F403BB103	1							
18	1	172A69-78830	HOSE H603BB116	1							
19	1	172A69-78840	HOSE H603BB114	1							
20	1	172A69-78850	HOSE G804CY110	1							
21	1	23000-013000	CLAMP, 13	3							

Fig.102. CONTROL PIPING(TRAVEL, SWING PEDAL)

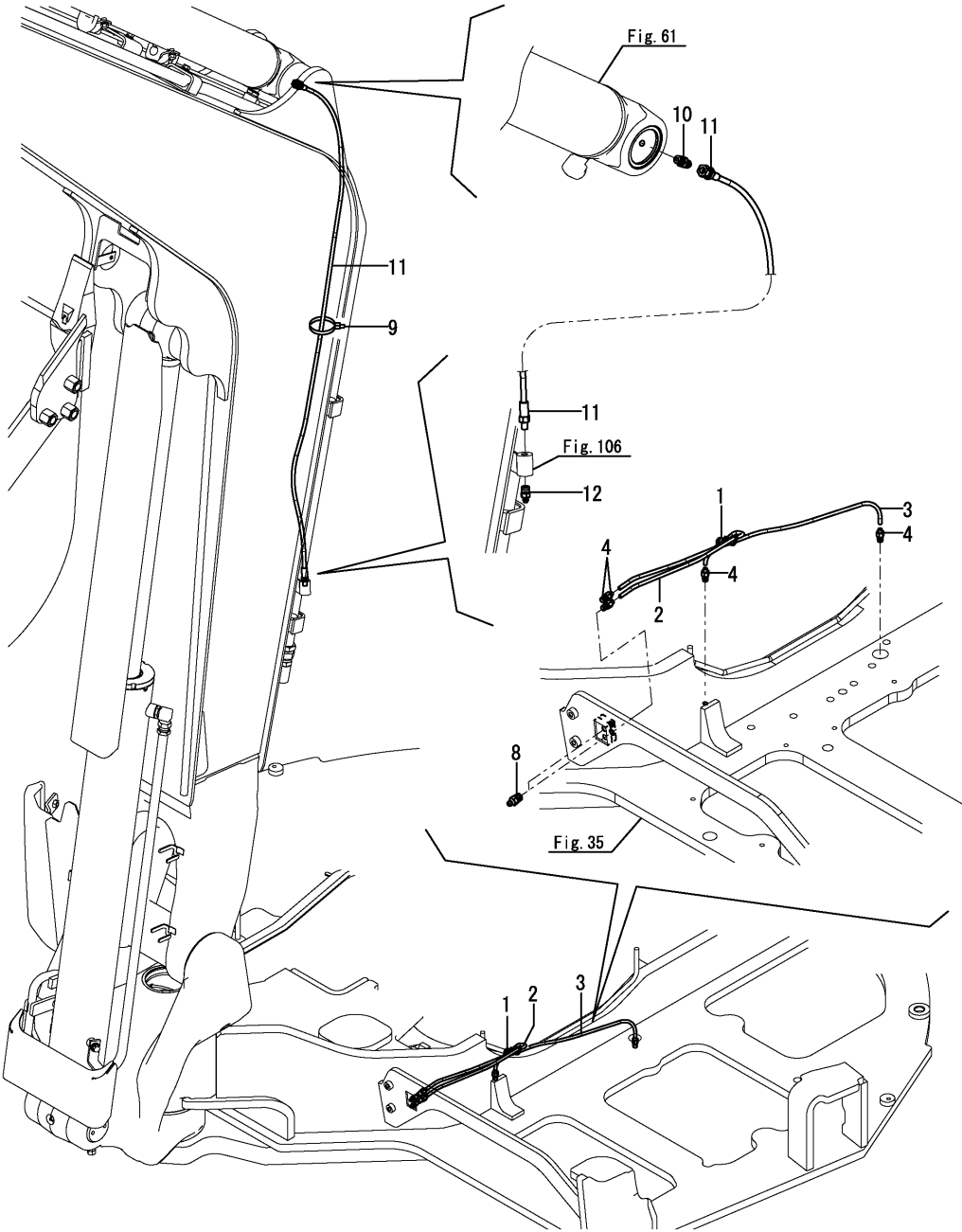


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-78970	HOSE G804YY010	1							
2	1	172A69-79490	HOSE H603BB020	1							
3	1	23000-013000	CLAMP. 13	2							

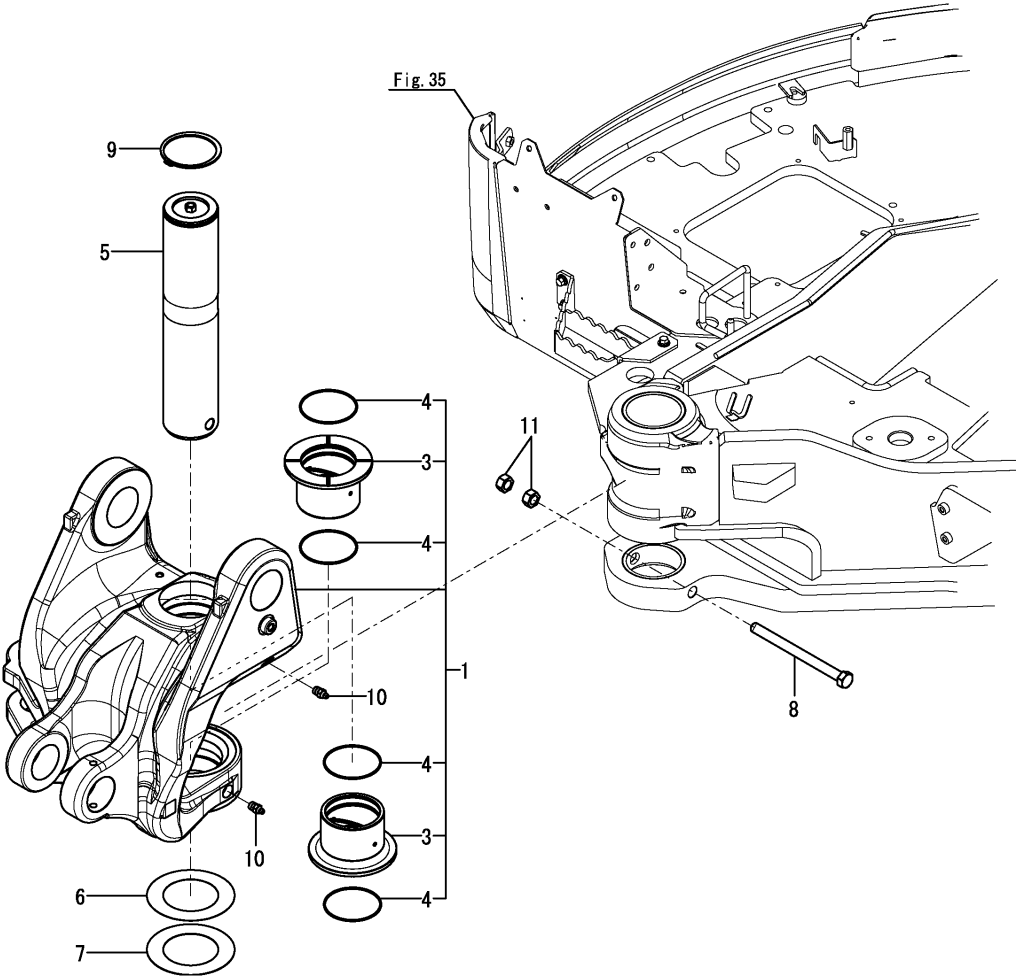
Fig.103. CONTROL PIPING(P.T.O.)



				(A)=VIO80(KR)				(D)=			
				(B)=				(E)=			
				(C)=				(F)=			
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-79540	HOSE G804YY036	1							
2	1	172A69-79550	HOSE F403BC105	1							
3	1	172A69-79560	HOSE H603CC023	1							
4	1	172A69-79570	HOSE H603CC030	1							
5	1	23000-013000	CLAMP, 13	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-16560	BAND	1							
2	1	172A89-77800	HOSE P602YY045	1							
3	1	172A89-77810	HOSE P602YY075	1							
4	1	172A47-77820	JOINT, GREASE	4							
8	1	24761-020000	NIPPLE, GREASE PT1/8	2							
9	1	194202-56460	BAND, 200	1							
10	1	172112-77580	JOINT, 1/8	1							
11	1	172A89-77820	HOSE P202AF145	1							
12	1	24761-020000	NIPPLE, GREASE PT1/8	1							



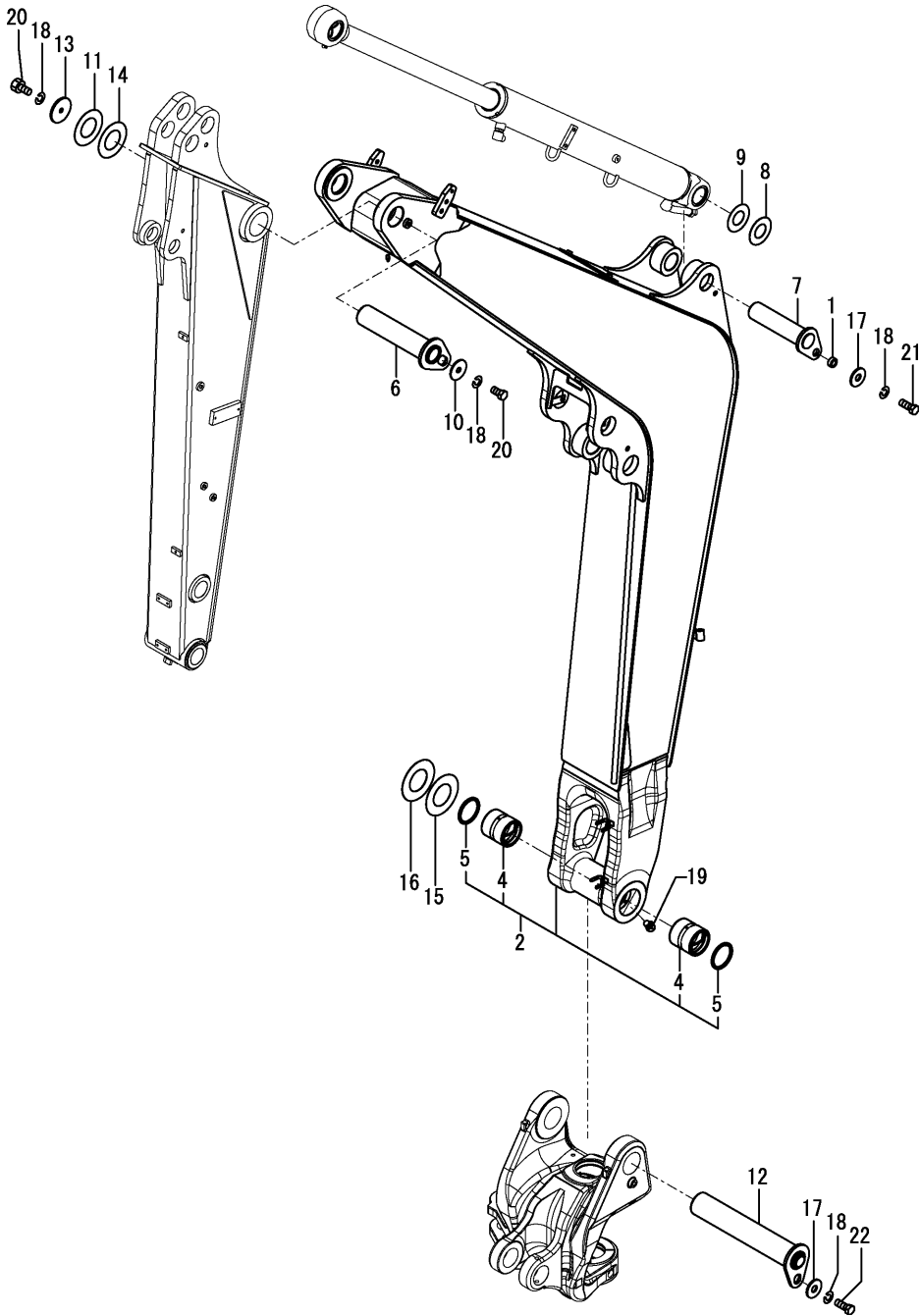
(A)=VIO80(KR)
(B)=
(C)=

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

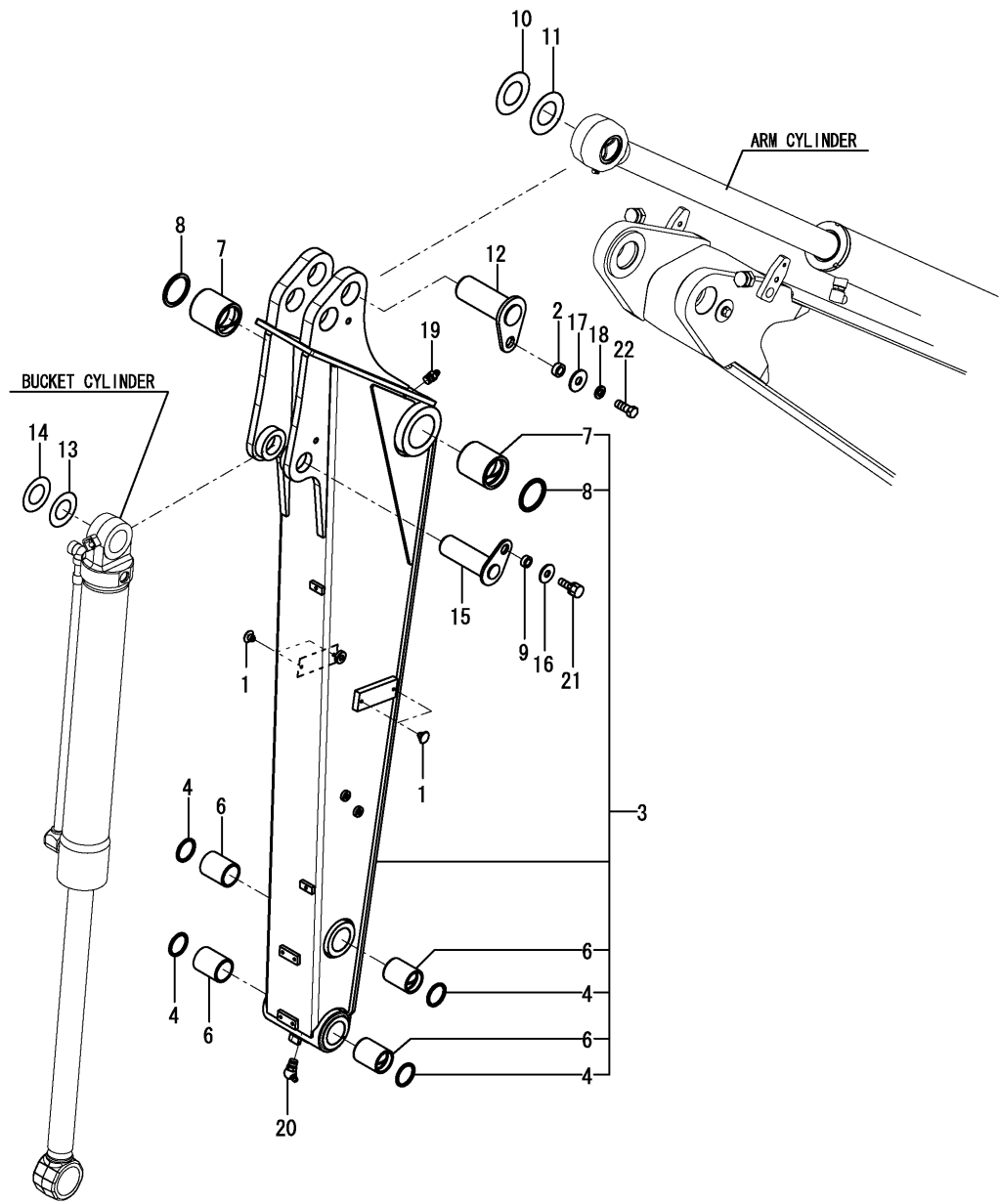
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-82300	BRACKET ASSY,BOOM(2J	1							
1-1	1	172A89-82300-Y	BRACKET ASSY,BOOM	1						S	
(A=M92001)											
3	2	172A89-82320	BUSH, 100X90	2							
4	2	24321-001000	O-RING, 1AG100.0	4							
5	1	172187-82330	PIN ASSY	1							
6	1	172187-82400	SHIM	1							
7	1	172187-82410	SHIM	1							
8	1	172187-82420	BOLT	1							
9	1	22242-001000	RING, 100	1							
10	1	24761-020000	NIPPLE, GREASE PT1/8	2							
11	1	26716-180002	NUT, M18	2							

(A)=VIO80(KR)
(B)=
(C)=

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

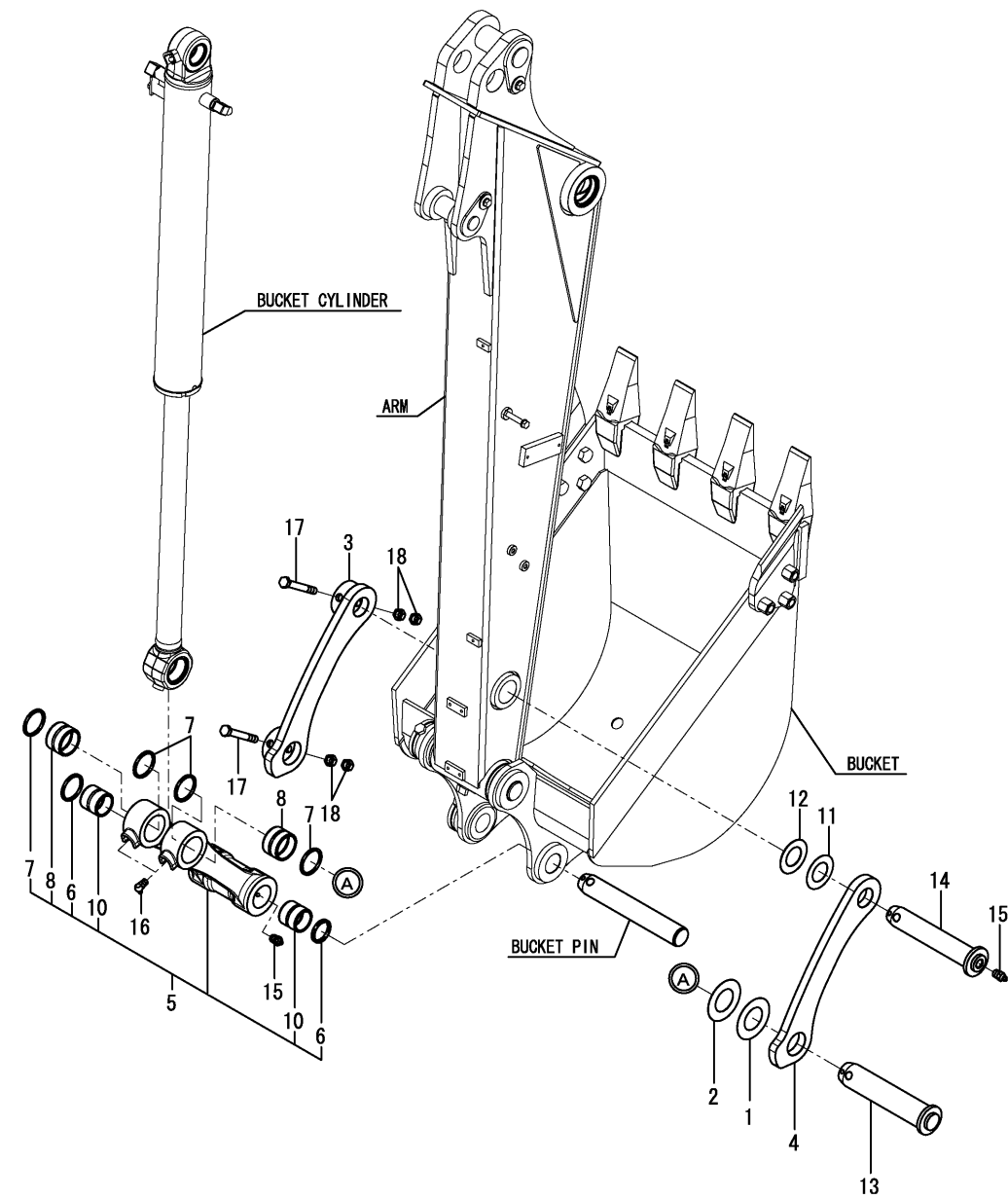


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-45790	SPACER	1							
2	1	172A89-81100	BOOM ASSY,EX (2J)	1							
2-1	1	172A89-81100-Y	BOOM ASSY,EX	1							S
(A=M92001)											
4	2	172A52-81352	BUSH	2							
5	2	172162-81430	SEAL, DUST	2							
6	1	172499-81750	PIN ASSY	1							
7	1	172187-81840	PIN ASSY	1							
8	1	172499-81850	SHIM	1							
9	1	172499-81860	SHIM	1							
10	1	172187-81970	WASHER	1							
11	1	172445-81990	SHIM	1							
12	1	172187-82340	PIN ASSY	1							
13	1	172187-82430	WASHER	1							
14	1	172162-83580	SHIM	1							
15	1	172162-83600	SHIM	1							
16	1	172162-83610	SHIM	1							
17	1	22157-140000	WASHER, 14	2							
18	1	22217-140000	WASHER, SPRING 14	4							
19	1	24761-040000	NIPPLE, GREASE B	2							
20	1	26116-140252	BOLT, M14X 25 PLATED	2							
21	1	26116-140352	BOLT, M14X 35 PLATED	1							
22	1	26116-140252	BOLT, M14X 25 PLATED	1							

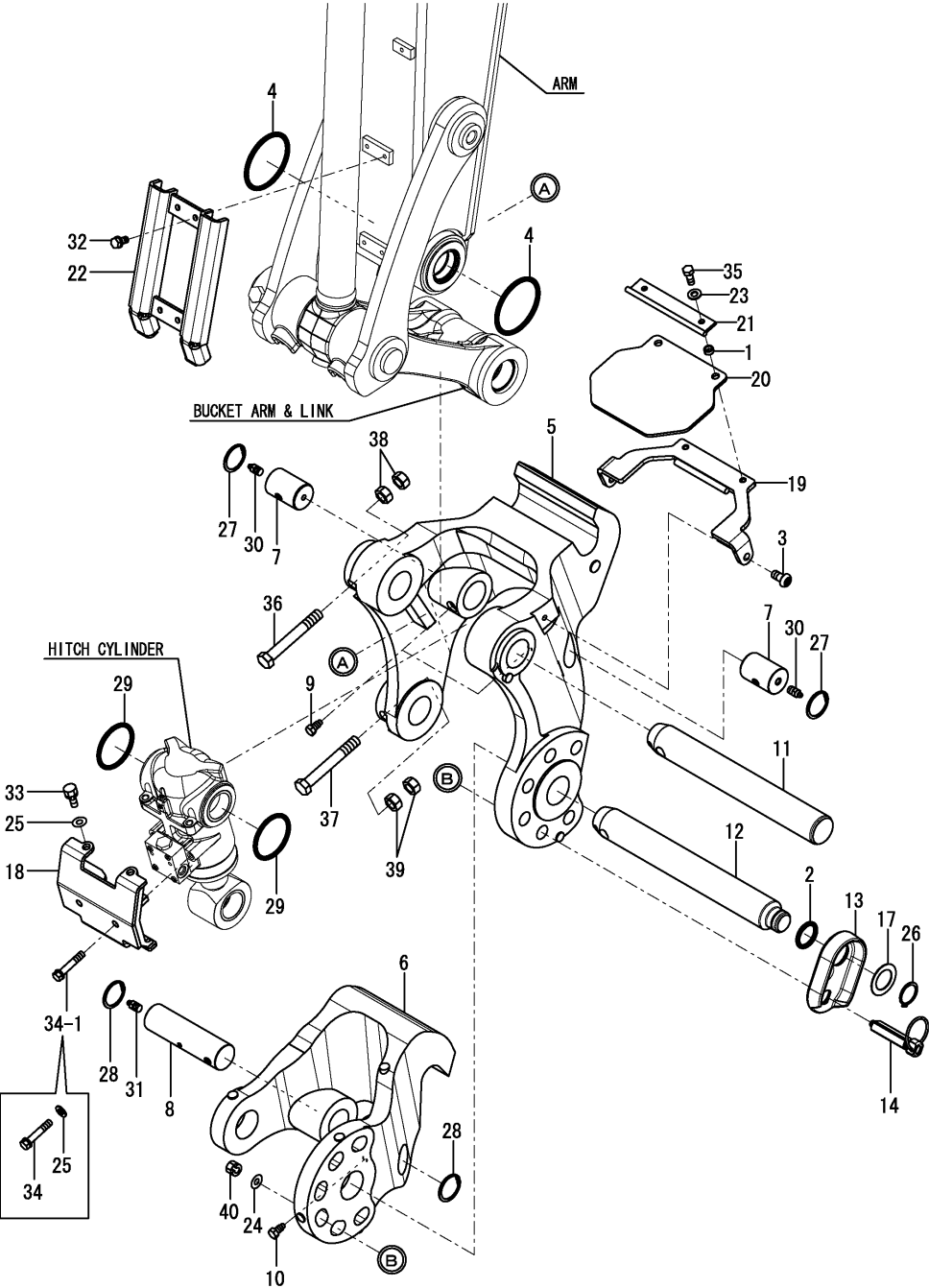


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE	4							
2	1	172155-45790	SPACER	1							
3	1	172A89-81470	ARM, 1650	1							
3-1	1	172A89-81470-Y (A=M92001)	ARM, 1650	1							S
3-2	1	172A89-81471-Y (A=*2019.03)	ARM, 1650 EX	1							N
4	2	172448-54120	SEAL, DUST	4							
6	2	172187-81710	BUSH	4							
7	2	172162-82280	BUSH	2							
8	2	172162-82350	SEAL, DUST	2							
9	1	172164-81670	SPACER	1							
10	1	172175-81700	SHIM	1							
11	1	172175-81710	SHIM	1							
12	1	172187-81861	PIN	1							
13	1	172165-82520	SHIM	1							
14	1	172165-82530	SHIM	1							
15	1	172458-83650	PIN ASSY	1							
16	1	22157-120000	WASHER, 12	1							
17	1	22157-140000	WASHER, 14	1							
18	1	22217-140000	WASHER, SPRING 14	1							
19	1	24761-020000	NIPPLE, GREASE PT1/8	1							
20	1	24761-040000	NIPPLE, GREASE B	1							
21	1	26013-120302	BOLT, SPRING M12X 30	1							
22	1	26116-140352	BOLT, M14X 35 PLATED	1							

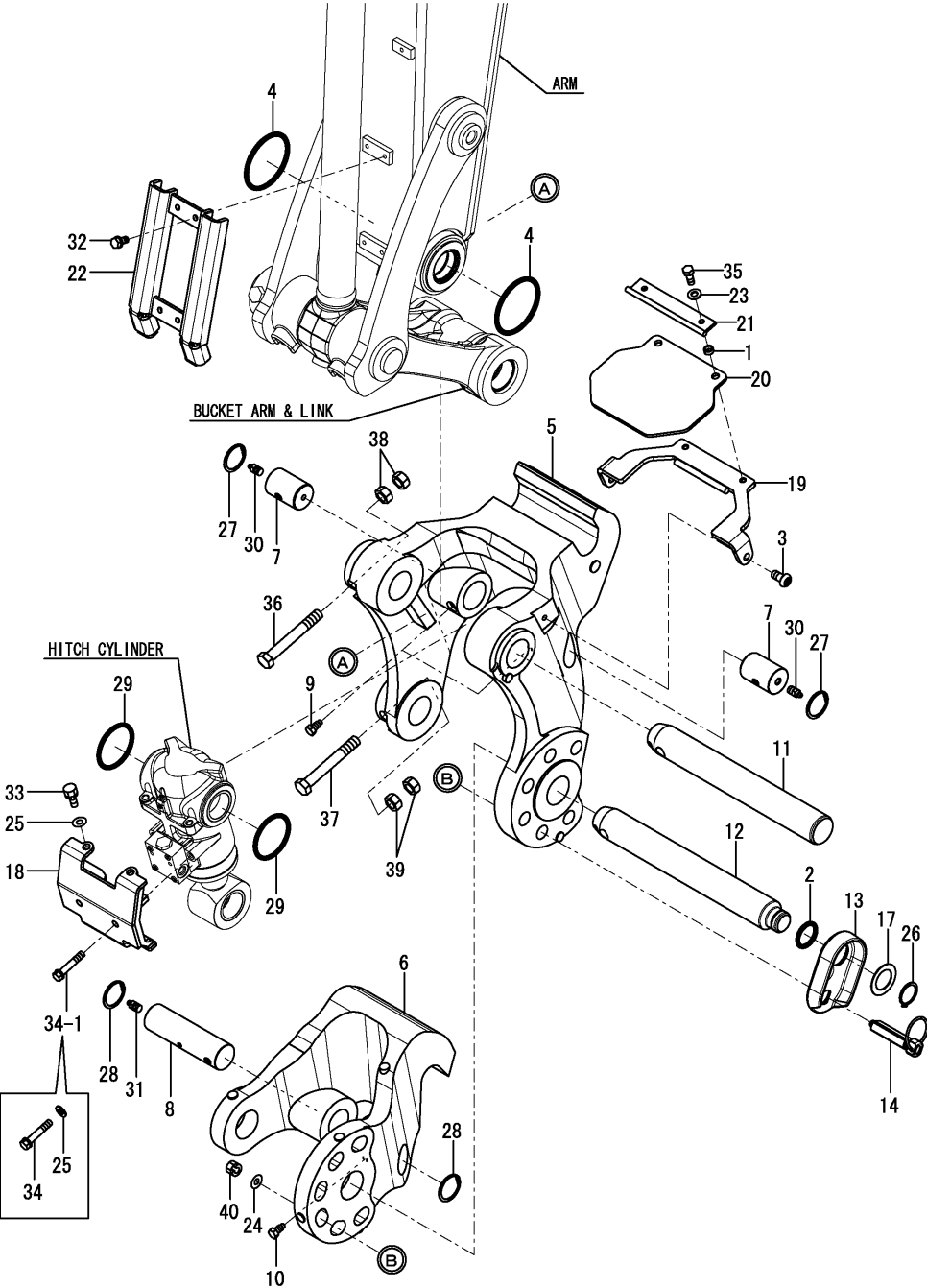
OCS10-M55800 IMPLEMENT
Fig.108. BUCKET ARM & LINK



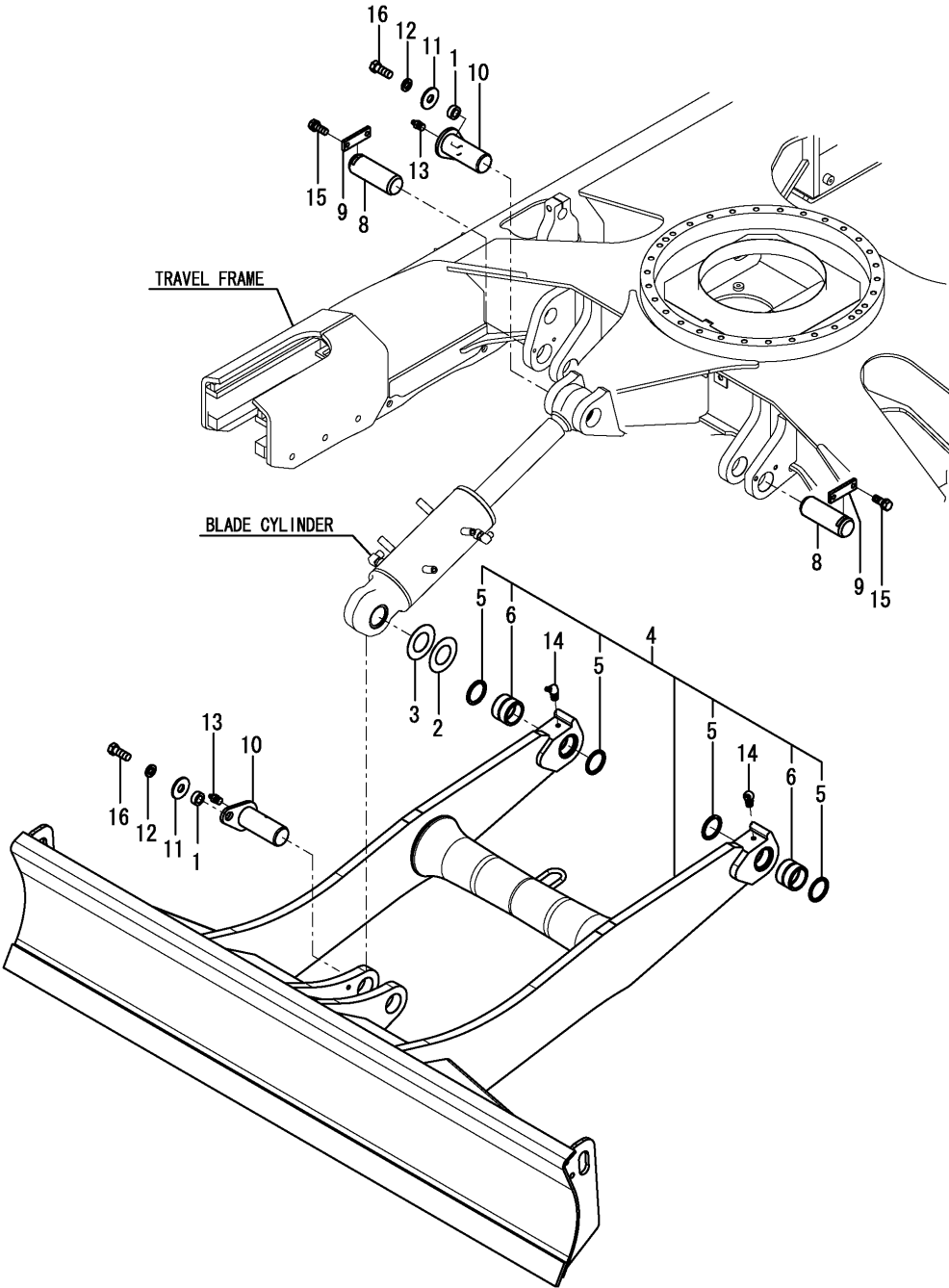
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172175-81700	SHIM	1							
2	1	172175-81710	SHIM	1							
3	1	172455-82380-2	ARM, BUCKET	1							
3-1	1	172455-82380-Y (A=M92001)	ARM, BUCKET	1							S
4	1	172455-82391-2	ARM, BUCKET	1							
4-1	1	172455-82391-Y (A=M92001)	ARM, BUCKET	1							S
5	1	172499-82400-1	LINK, BUCKET	1							
5-1	1	172499-82400-Y (A=M92001)	LINK, BUCKET	1							S
6	2	172448-54120	SEAL, DUST	2							
7	2	172168-54760	SEAL, DUST	4							
8	2	172455-82360	BUSH	2							
10	2	172187-83040	BUSH	2							
11	1	172165-82520	SHIM	1							
12	1	172165-82530	SHIM	1							
13	1	172455-83350	PIN ASSY	1							
14	1	172455-83360	PIN ASSY	1							
15	1	24761-020000	NIPPLE, GREASE PT1/8	3							
16	1	24761-050000	NIPPLE, GREASE C	2							
17	1	26116-161202	BOLT, M16X120 PLATED	2							
18	1	26716-160002	NUT, M16	4							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-17121	COLLAR, 9X4	2							
2	1	172124-46200	O-RING	1							
3	1	172455-61720	BOLT	2							
4	1	172162-82360	O-RING	2							
5	1	172978-83101-2	BRACKET A(YEELow:2J)	1							
5-1	1	172978-83101-Y	BRACKET A	1							S
(A=M92001)											
6	1	172978-83111-2	BRACKET B(YELLOW:2J)	1							
6-1	1	172978-83111-Y	BRACKET B	1							S
(A=M92001)											
7	1	172978-83120	PIN 45X65	2							
8	1	172978-83130	PIN 45X161	1							
9	1	172978-83140	BOLT	2							
10	1	172978-83140	BOLT	1							
11	1	172978-83150	PIN 50X345	1							
12	1	172978-83161	PIN 50X373	1							
13	1	172978-83170-2	PLATE,LOCK(YELLOW:2J)	1							
13-1	1	172978-83170-Y	PLATE,LOCK	1							S
(A=M92001)											
14	1	172978-83191	PIN,LOCK	1							
17	1	172960-83210	COLLAR	1							
18	1	172978-83221-2	COVER, HITCH	1							
18-1	1	172978-83221-Y	COVER, HITCH	1							S
(A=M92001)											
19	1	172978-83270-2	GUARD ASSY	1							
19-1	1	172978-83270-Y	GUARD ASSY	1							S
(A=M92001)											
20	1	172978-83292	PLATE,RUBBER	1							
21	1	172978-83300-2	PLATE (YELLOW:2J)	1							
21-1	1	172978-83300-Y	PLATE	1							S
(A=M92001)											
22	1	172978-83320-2	COVER, ARM	1							
22-1	1	172978-83320-Y	COVER, ARM	1							S
(A=M92001)											
23	1	22137-080000	WASHER, 8	2							
24	1	22137-100000	WASHER, 10	1							
25	1	22137-100000	WASHER, 10	4							
25-1	1	22137-100000	WASHER, 10	2							K
(A=MZZZZZ)											
26	1	22242-000350	RING, 35	1							
27	1	22252-000450	RING, 45	2							
28	1	22252-000450	RING, 45	2							
29	1	24311-000700	O-RING, 1AP70.0	2							
30	1	24761-020000	NIPPLE, GREASE PT1/8	2							
31	1	24761-020000	NIPPLE, GREASE PT1/8	1							
32	1	26013-080162	BOLT, M8X 16	4							
33	1	26013-100252	BOLT, M10X 25	2							
34	1	26013-100552	BOLT, M10X 55	2							
34-1	1	26013-100502	BOLT, M10X 50	2							N
(A=MZZZZZ)											
35	1	26116-080202	BOLT, M8X 20 PLATED	2							

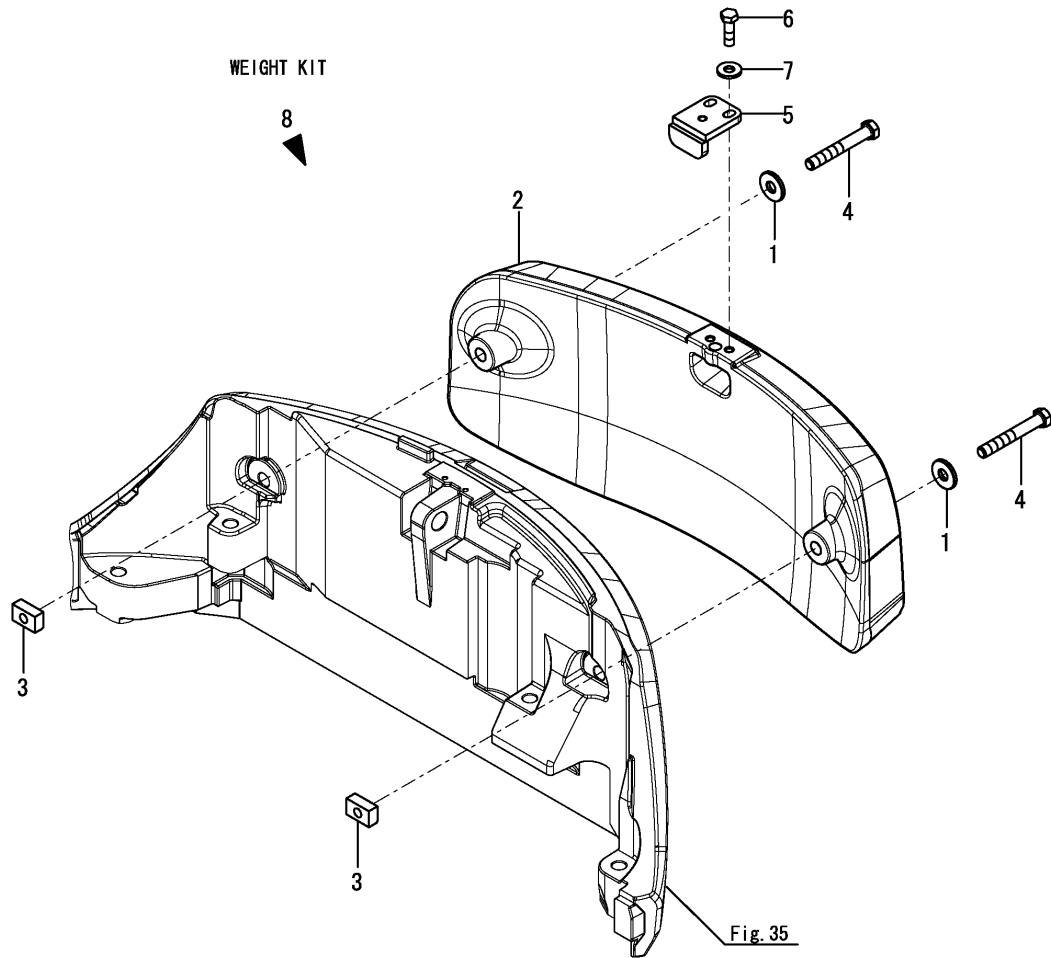


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
36	1	26116-161202	BOLT, M16X120 PLATED	1							
37	1	26116-161202	BOLT, M16X120 PLATED	1							
38	1	26716-160002	NUT, M16	2							
39	1	26716-160002	NUT, M16	2							
40	1	26756-100002	NUT, LOCK M10	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-45790	SPACER	2							
2	1	172175-81700	SHIM	1							
3	1	172175-81710	SHIM	1							
4	1	172A89-94100	BLADE ASSY (49)	1							
5	2	172020-10620	SEAL, DUST	4							
6	2	172162-81060	BUSH 60X55	2							
8	1	172162-94270	PIN	2							
9	1	172162-94280-3	PLATE, LOCK (GRAY:49)	2							
10	1	172187-94300	PIN 60X147	2							
11	1	22157-140000	WASHER, 14	2							
12	1	22217-140000	WASHER, SPRING 14	2							
13	1	24761-020000	NIPPLE, GREASE PT1/8	2							
14	1	24761-040000	NIPPLE, GREASE B	2							
15	1	26013-120302	BOLT, M12X 30	4							
16	1	26116-140352	BOLT, M14X 35 PLATED	2							

Fig.111. ADDITIONAL WEIGHT(OPTIONAL)



OCS10-M55800 Fig.111											
				(A)=VIO80(KR)	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-53321	WASHER	2							
2	1	172A89-53320	WEIGHT, ADD	1							
3	1	172A46-53360	NUT	2							
4	1	172A48-53371	BOLT	2							
5	1	172A48-53380	BRACKET ASSY, WEIGHT	1							
6	1	26116-160502	BOLT, M16X 50 PLATED	2							
7	1	933147-08501	WASHER	2							
8	1	172A89-08900	WEIGHT SET	1						W 1	
(A=MXXXXX)											

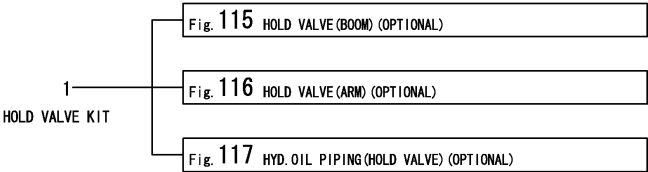
Remarks
(1)Refer No.8 includes No.7 from 1.

Fig.114. HOLD VALVE(OPTIONAL)

(A)=VIO80(KR)
(B)=
(C)=

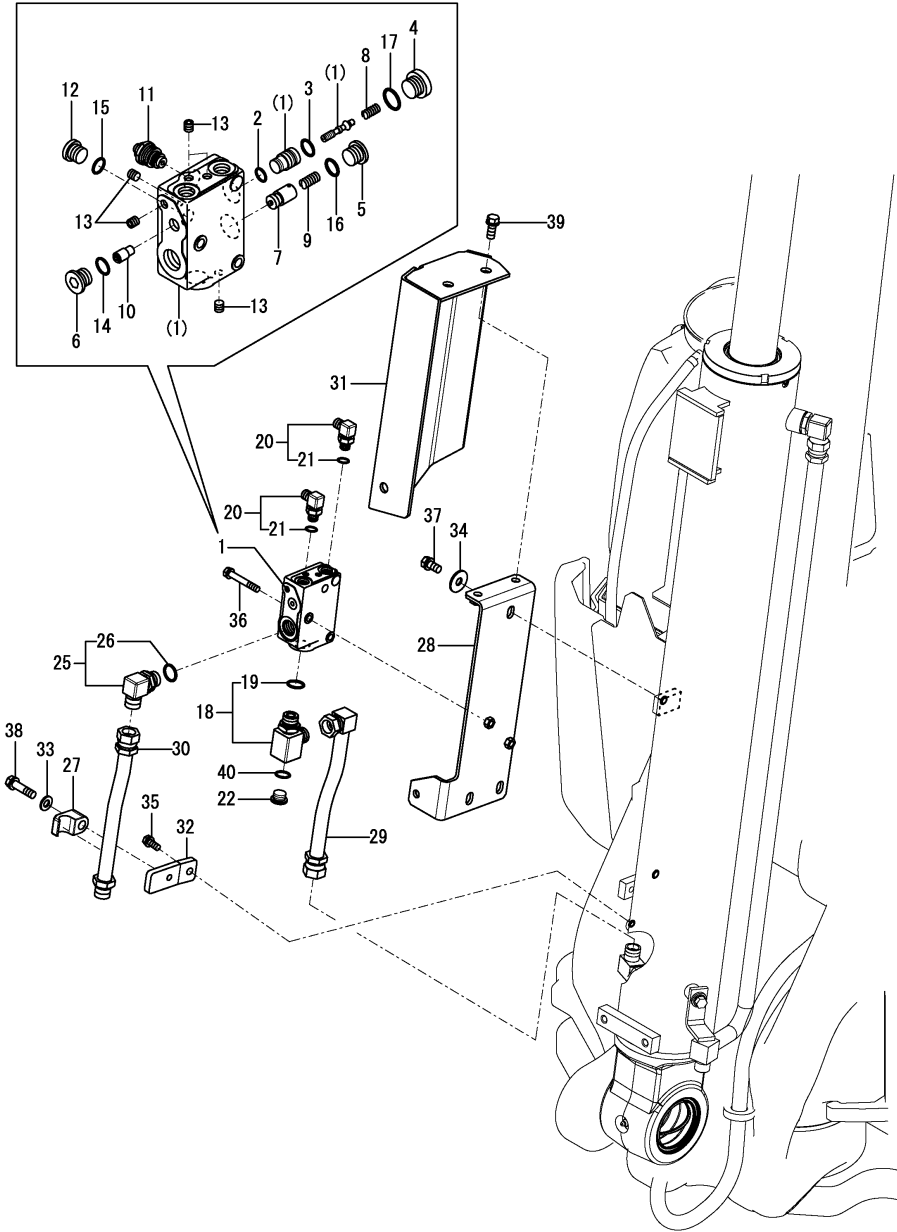
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-08520	VALVE KIT, HOLD	1						W	1
(A=MXXXXX)											
1-1	1	172A69-08520-Y	VALVE KIT, HOLD	1						S	
(A=M92001)											



Remarks
(1)Inner parts are shown in Fig.115,
116 & 117.

Fig.115. HOLD VALVE(BOOM)(OPTIONAL)



(A)=VIO80(KR)
(B)=
(C)=

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

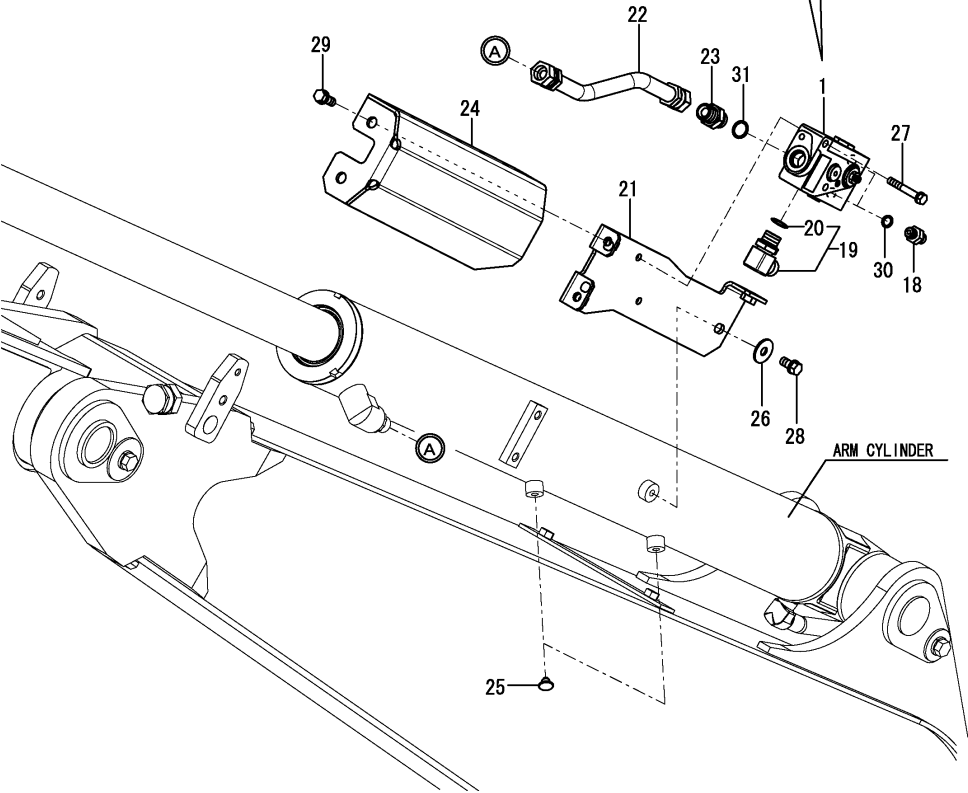
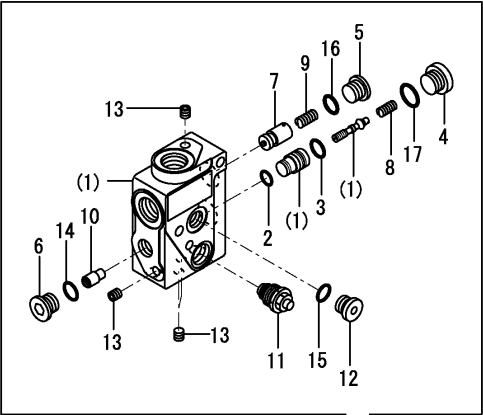
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74650	VALVE ASSY,HOLD	1							
2	2	172A25-74420	O-RING	1							
3	2	172A25-74430	O-RING	1							
4	2	172A25-74440	PLUG	1							
5	2	172A25-74450	PLUG	1							
6	2	172A25-74460	PLUG	1							
7	2	172A25-74470	POPPET	1							
8	2	172A25-74480	SPRING	1							
9	2	172A25-74490	SPRING	1							
10	2	172A25-74501	PISTON	1							
11	2	172A69-74660	VALVE,RELIEF 33	1							
12	2	172455-77140	PLUG	1							
13	2	172455-77150	PLUG	5							
14	2	24315-000100	O-RING, 1BP10.0	1							
15	2	24315-000110	O-RING, 1BP11.0	1							
16	2	24315-000140	O-RING, 1BP14.0	1							
17	2	24315-000160	O-RING, 1BP16.0	1							
18	1	172A25-76100	TEE, ADJUSTABLE	1							
19	2	24315-000180	O-RING, 1BP18.0	1							
20	1	172141-76181	CONNECTOR ASSY, 02FF	2							
21	2	41851-000110	O-RING	2							
22	1	172183-76180	PLUG	1							
25	1	172141-76900	CONNECTOR ASSY	1							
26	2	24315-000180	O-RING, 1BP18.0	1							
27	1	172142-76950-6	CLAMP	1							
27-1	1	172142-76950-N	CLAMP	1							S
(A=M92001)											
28	1	172A69-77100	BRACKET ,BOOM H (2J)	1							
28-1	1	172A69-77100-N	BRACKET ,BOOM H	1							S
(A=M92001)											
29	1	172A89-77150	TUBE ASSY, BOOM	1							
29-1	1	172A89-77150-N	TUBE ASSY, BOOM	1							S
(A=M92001)											
30	1	172A69-77180	TUBE ASSY, BOOM	1							
30-1	1	172A69-77180-N	TUBE ASSY, BOOM	1							S
(A=M92001)											
31	1	172A69-77200	COVER, BOOM	1							
31-1	1	172A69-77200-N	COVER, BOOM	1							S
(A=M92001)											
32	1	172A69-77240	PLATE,CLAMP H	1							
33	1	22137-100000	WASHER, 10	1							
34	1	22157-100000	WASHER, 10	3							
35	1	26013-080202	BOLT, M8X 20	1							
36	1	26013-080552	BOLT, M8X 55	2							
37	1	26013-100202	BOLT, M10X 20	3							
38	1	26013-100402	BOLT, M10X 40	1							
39	1	26014-100252	BOLT, M10X 25	3							
40	1	41851-000140	O-RING	1							

Remarks
* Hold valve kit is shown in Fig.114.

Fig.116. HOLD VALVE(ARM)(OPTIONAL)

(A)=VIO80(KR)
(B)=
(C)=

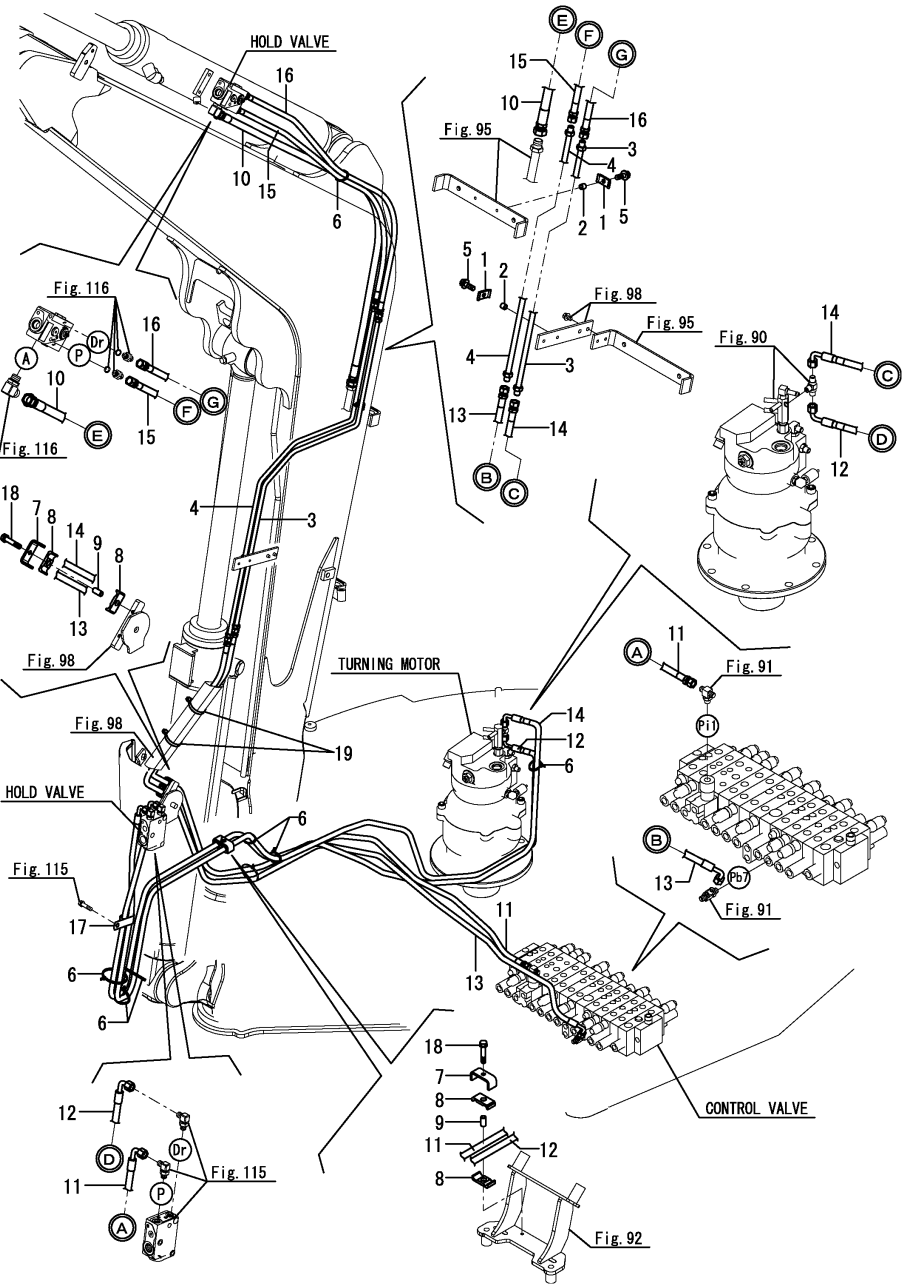
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74650	VALVE ASSY,HOLD	1							
2	2	172A25-74420	O-RING	1							
3	2	172A25-74430	O-RING	1							
4	2	172A25-74440	PLUG	1							
5	2	172A25-74450	PLUG	1							
6	2	172A25-74460	PLUG	1							
7	2	172A25-74470	POPPET	1							
8	2	172A25-74480	SPRING	1							
9	2	172A25-74490	SPRING	1							
10	2	172A25-74501	PISTON	1							
11	2	172A69-74660	VALVE,RELIEF 33	1							
12	2	172455-77140	PLUG	1							
13	2	172455-77150	PLUG	5							
14	2	24315-000100	O-RING, 1BP10.0	1							
15	2	24315-000110	O-RING, 1BP11.0	1							
16	2	24315-000140	O-RING, 1BP14.0	1							
17	2	24315-000160	O-RING, 1BP16.0	1							
18	1	172123-76121	ADAPTER	2							
19	1	172141-76900	CONNECTOR ASSY	1							
20	2	24315-000180	O-RING, 1BP18.0	1							
21	1	172A69-77300	BRACKET ,ARM H (2J)	1							
21-1	1	172A69-77300-N	BRACKET ,ARM H	1							S
(A=M92001)											
22	1	172A69-77350	TUBE ASSY, ARM	1							
22-1	1	172A69-77350-N	TUBE ASSY, ARM	1							S
(A=M92001)											
23	1	172112-77361	CONNECTOR	1							
24	1	172A69-77400	COVER, ARM	1							
24-1	1	172A69-77400-N	COVER, ARM	1							S
(A=M92001)											
25	1	172183-81160	CLIP, TREE	2							
26	1	22157-100000	WASHER, 10	3							
27	1	26013-080552	BOLT, M8X 55	2							
28	1	26013-100202	BOLT, M10X 20	3							
29	1	26014-100252	BOLT, M10X 25	3							
30	1	41851-000110	O-RING	2							
31	1	41851-000180	O-RING	1							

Remarks
* Hold valve kit is shown in Fig.114.

Fig.117. HYD.OIL PIPING(HOLD VALVE)(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172110-76170-3	PLATE	2							
1-1	1	172110-76170	PLATE	2							R
(A=MZZZZZ)											
2	1	172137-76580	COLLAR	2							
3	1	172A69-77480	TUBE ASSY	1							
3-1	1	172A69-77480-Y	TUBE ASSY	1							S
(A=M92001)											
4	1	172A69-77500	TUBE ASSY	1							
4-1	1	172A69-77500-Y	TUBE ASSY	1							S
(A=M92001)											
5	1	26014-080252	BOLT, M8X 25	3							
6	1	194202-56460	BAND, 200	9							
7	1	172A69-79200	CLAMP, 54X25	2							
8	1	172A69-79210	SUPPORT, RUBBER	4							
9	1	172A69-79220	COLLAR, 9X24	2							
10	1	172A69-79690	HOSE H108BB168K	1							
11	1	172A69-79700	HOSE H604BC268K	1							
12	1	172A69-79711	HOSE H604CC285K	1							
13	1	172A69-79720	HOSE H604BC260K	1							
14	1	172A69-79730	HOSE H604BC264K	1							
15	1	172A69-79740	HOSE H604BB131K	1							
16	1	172A69-79750	HOSE H604BB133K	1							
17	1	1E6212-82820	CLIP	1							
18	1	26013-080402	BOLT, M8X 40	2							
19	1	172126-11510	BAND	2							

Remarks
* Hold valve kit is shown in Fig.114.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
106990-44660	10	29
		30 -1
114110-07760	1	45
119802-55710	11	28
119808-12540	4	3
121250-49121	7	3
121256-44600-3	9	8
121450-44531	9	3
121470-44581	9	5
124450-44550	9	7
124450-44560	9	4
124766-59050	7	27
	10	30
	11	32
		33
		34
		35
124970-77920	18	29
129062-12560	4	4
129062-12570	4	5
129100-55690	11	27
129107-44590	7	8
129122-44480	24	27
129466-96240	24	28
129612-52100	11	24
129927-77900	12	27
129927-77910	12	28
	18	28
129927-77920	18	30
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	67	68
26450-050122	65	26
	85	32
	42	5
26450-050202	85	33
	113	38
	67	69
26450-060302	24	42
	58	65
	66	82
26450-060352	67	70
		71
	129	21
26450-060502	47	11
	22	51
26450-080162		
26450-080202		
26450-080502		
26450-100302		
26450-120302		
26450-140402		
26559-050202		
26577-050122		
26587-040122		

Parts No.	Fig. No.	Ref. No.
26587-040122	30	7
	58	90
	3	6
26617-100002	12	21
	14	7
	87	9
26706-100002	60	55
	120	47
	130	55
26716-060002	26	28
	108	18
	109	38
26716-080002		39
	105	11
	48	23
26716-100002	82	20 E
	109	40
	18	41
26716-120002	126	36
	127	28
	130	41
26716-160002	131	37
	18	12
	18	13
26716-180002	18	14
	21	11
	80	23
26716-200002		26
		29
	81	14
26736-100002		15
	82	25
		30
26756-100002	83	9
		15
	84	25
26776-180002	85	36
		38
		40
26979-100122	86	27
	88	21
	90	15
29420-050000		22
	91	3
		20
29420-100000		22
		24
		30
29420-300000		33
		45
41851-000110		

Parts No.	Fig. No.	Ref. No.
41851-000110	94	9
	96	7
		8
41851-000140	115	21
	116	30
	119	6
41851-000180		17
	82	31
	88	13
41851-000240	90	9
	94	10
	115	40
41851-000280	119	13
		18
		19
41851-000320	61	38
	69	9
	88	22
41851-000360	90	23
	91	15
		46
41851-000400	94	11
	96	3
	116	31
41851-000440	88	4
	91	47
	96	23
41851-000480	27	18
	27	2
	27	1
41851-000520	10	1
	87	1
	15	7
41851-000560	60	56
	120	48
	130	56
41851-000600	111	7
	88	23
	91	48
41851-000640	60	57
	120	49
	130	57
41851-000680	26	13
	27	13
	124	12
41851-000720	48	24

0CB10-M76500EN

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.

4. When using this parts catalog, you must comply with the laws and regulations applicable in the country or region in which you use it. Our company assumes no responsibility for any violations of laws and regulations by the customer.

Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601

29. FUEL INJECTION PUMP(W/BOOST)

①

REF.

②

LEV.

PARTS NO.

DESCRIPTION

(A)=4JH-DT
(B)=4JH-DTZ
(C)=4JH-DTZP

(D)=4JH-DTZA
(E)=4JH-DTZY
(F)=

Q'TY

③

I

⑤

R

				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185)	(B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	④	2	26022-060162	4	4	4	4	4		K	
		(A=E00156)	(B=E00156)	(C=E00156)	(D=E00156)	(E=E00156)					
4	2	129470-51040	CAMSHAFT	1	1	1	1	1			
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2			
6	2	129470-51060	RETAINER	1	1	1	1	1			

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No $\xrightarrow{\text{No}}$	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes $\xrightarrow{\text{Yes}}$	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes $\xrightarrow{\text{Yes}}$	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks

Figures or alphabets (symbols) are entered in the remarks column.

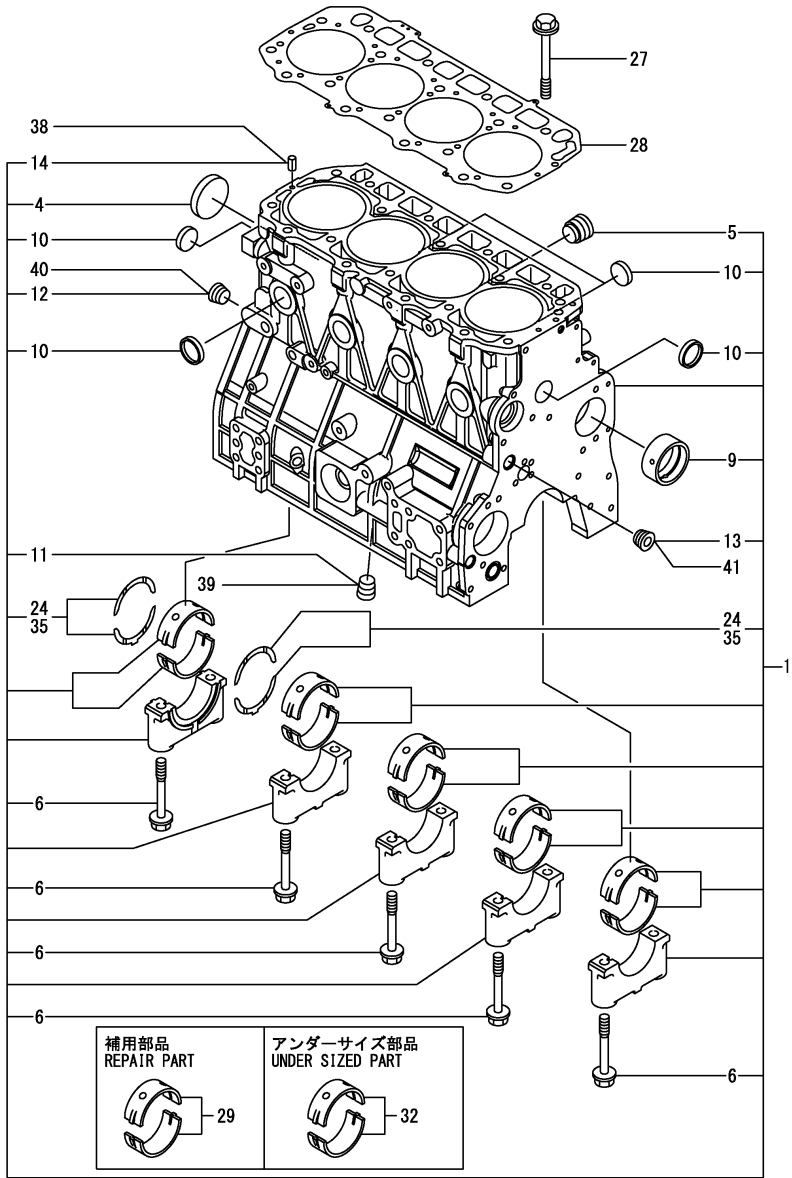
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
4TNV98-ZWBV1			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD & SILENCER		
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.	STARTER MOTOR		
16.	GENERATOR		
17.	ELECTRIC PARTS		
18.	GASKET SET		

(A)=4TNV98-ZWBV1
(B)=
(C)=

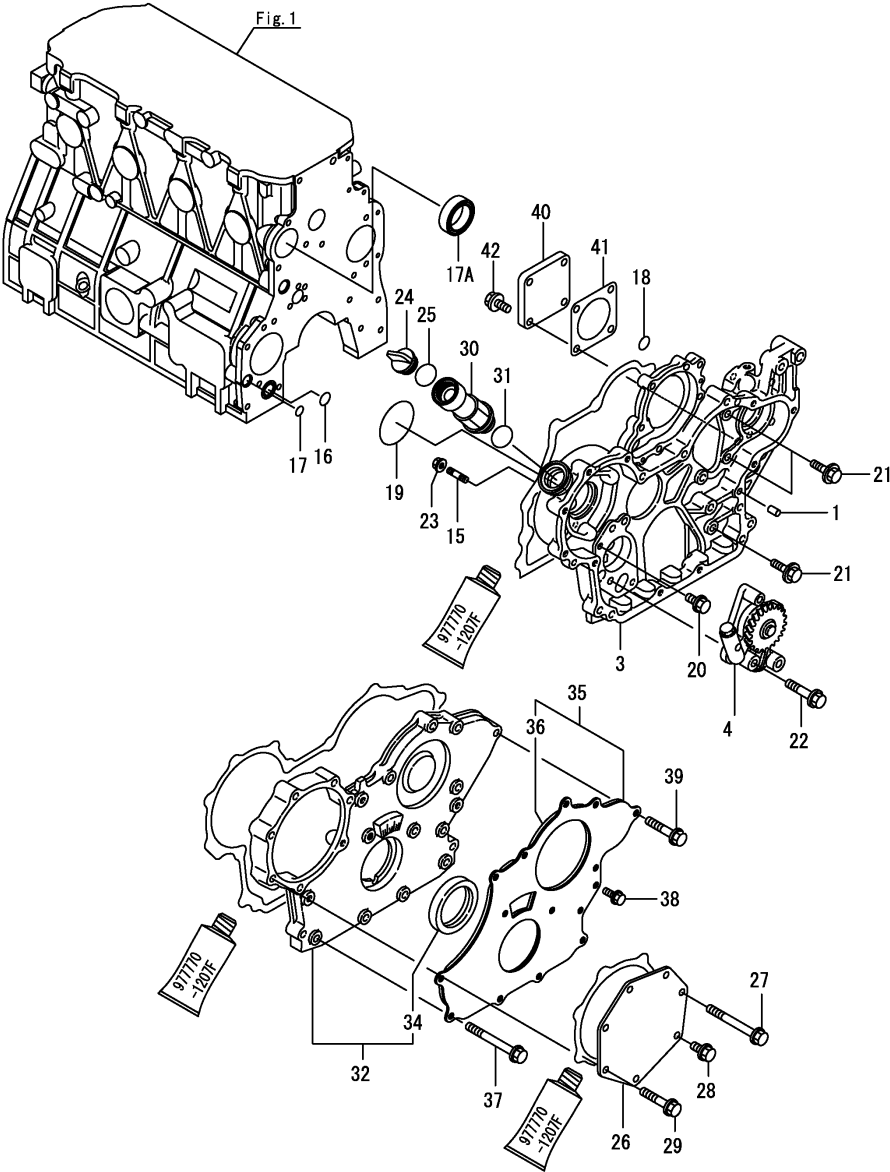
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729927-01560	BLOCK ASSY, CYLINDER	1							
4	3	129900-01250	PLUG, 55	1							
5	3	171051-01921	PLUG, NPTF1	1							
6	3	129900-02020	BOLT, METAL CAP	10							
9	3	129900-02410	BUSH, CAMSHAFT	1							
10	3	27241-300000	PLUG(30	8							
11	2	23876-030000	PLUG, R03	1						Z	
(A=EC5746)											
12	2	23876-030000	PLUG, R03	1						Z	
(A=EC5746)											
13	2	23876-030000	PLUG, R03	1						Z	
(A=EC5746)											
14	2	22351-060012	PIN, SPRING 6.0X12	2						Z	
(A=EC5746)											
24	2	129900-02931	METAL ASSY, THRUST	2							
27	1	129900-01200	BOLT, CYLINDER HEAD	18							
28	1	129907-01331	GASKET, HEAD	1							
29	1	729900-02801	METAL ASSY, MAIN	5							1
32	1	129900-02341	METAL ASSY, MAIN .25	5							2
35	1	129900-02941	METAL ASSY, 0.25 OS	2							3
38	1	22351-060012	PIN, SPRING 6.0X12	2							W
(A=EC5746)											
39	1	23876-030000	PLUG, R03	1							W
(A=EC5746)											
40	1	23876-030000	PLUG, R03	1							W
(A=EC5746)											
41	1	23876-030000	PLUG, R03	1							W
(A=EC5746)											

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

Fig.2. GEAR HOUSING

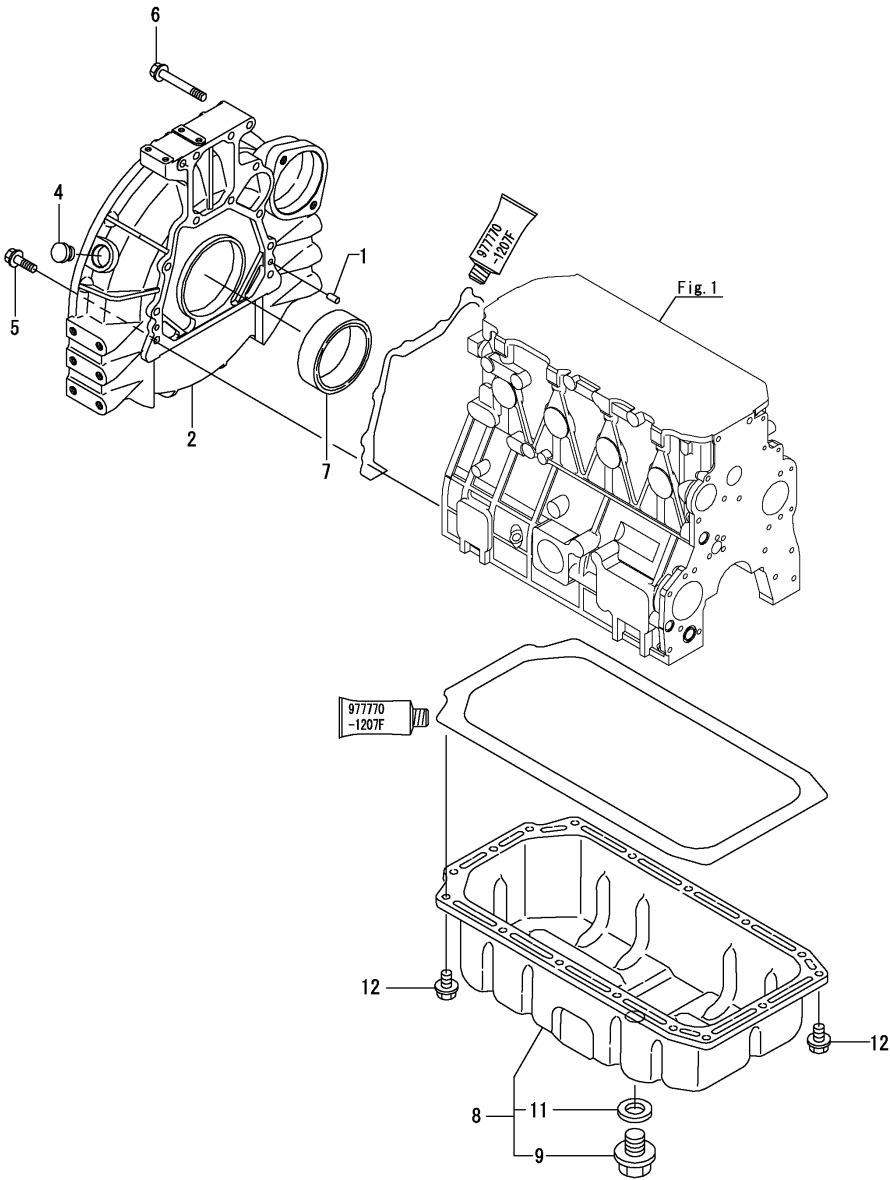


(A)=4TNV98-ZWBV1
(B)=
(C)=

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

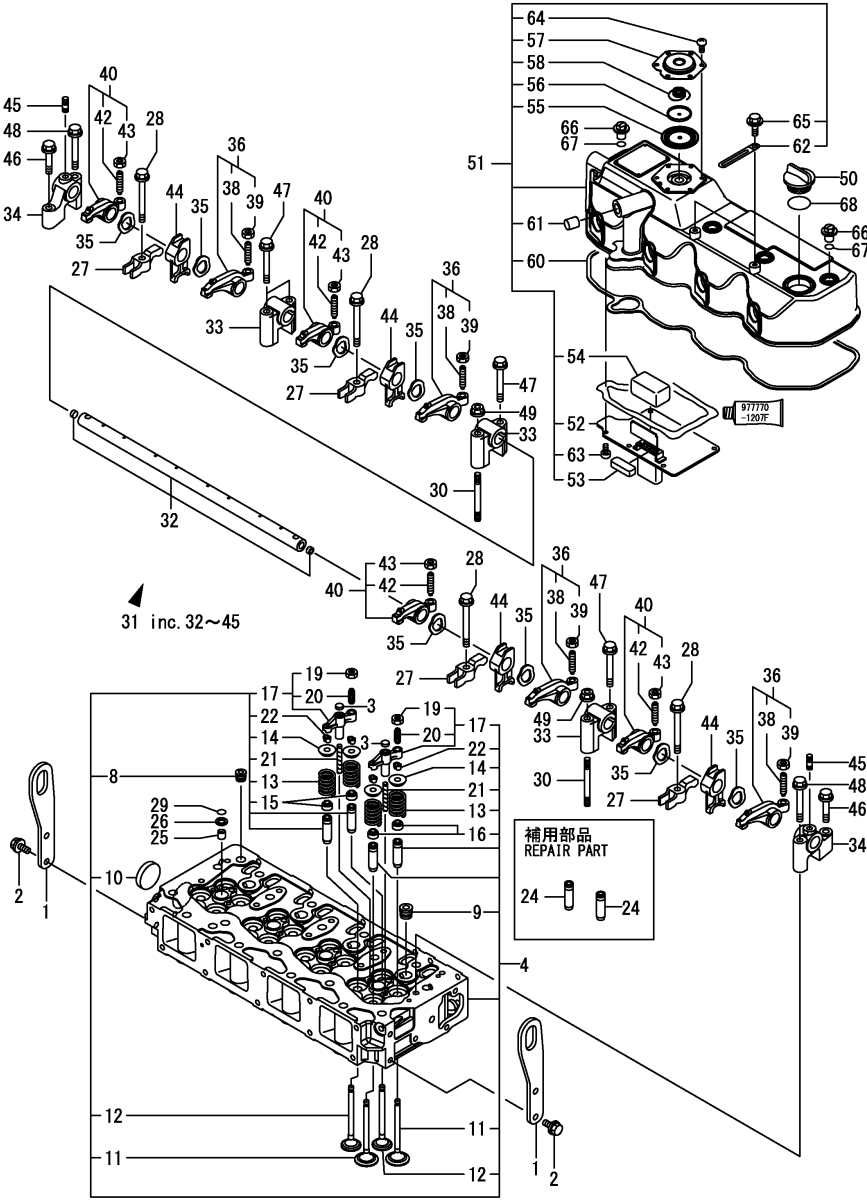
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	4							
3	1	129907-01500	CASE, GEAR	1							
4	1	129900-32001	PUMP ASSY, OIL	1							
15	1	26216-100302	STUD, M10X 30	4							
16	1	129900-32030	O-RING, P20	1							
17	1	129900-32040	O-RING, P14	1							
17A	1	129927-42140	GASKET, PUMP OUTLET	1							W
(A=EU0249)											
18	1	24311-000070	O-RING, 1AP7.0	1							
19	1	24351-030750	O-RING, 1A3075	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	1							
21	1	26106-080202	BOLT, M8X 20 PLATED	3							
22	1	26106-080452	BOLT, M8X 45 PLATED	3							
23	1	26306-100002	NUT, M10	4							
24	1	124160-01751	CAP, FILLER	1							
25	1	24311-000320	O-RING, 1AP32.0	1							
26	1	129951-01740	COVER	1							
27	1	26106-080752	BOLT, M8X 75 PLATED	1							
28	1	26106-080202	BOLT, M8X 20 PLATED	1							
29	1	26106-080402	BOLT, M8X 40 PLATED	5							
30	1	171031-11741	PIPE	1							
31	1	24311-000320	O-RING, 1AP32.0	1							
32	1	729907-01559	COVER ASSY,GEAR CASE	1							
34	2	129916-01800	SEAL, OIL	1							
35	1	129900-01850	COVER ASSY,GEAR CASE	1							
36	2	129900-01870	SPONGE, GEAR CASE	1							
37	1	26106-080702	BOLT, M8X 70 PLATED	6							
38	1	26106-080162	BOLT, M8X 16 PLATED	3							
39	1	26106-080452	BOLT, M8X 45 PLATED	5							
40	1	124240-01871	COVER, PUMP	1							
41	1	124240-01883	GASKET	1							
42	1	26106-080162	BOLT, M8X 16 PLATED	4							

Fig.3. FLYWHEEL HOUSING & OIL SUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	129953-01620	HOUSING, FLYWHEEL	1							
4	1	119620-01750	CAP	1							
5	1	26206-100352	BOLT, M10X 35 PLATED	9							
6	1	26206-100702	BOLT, M10X 70 PLATED	4							
7	1	129916-01790	SEAL, D115/95XT11	1							
8	1	129916-01710	OIL PAN ASSY	1							
9	2	119640-01640	PLUG, DRAIN M22	1							
11	2	22190-220002	WASHER, SEAL 22	1							
12	1	26106-080122	BOLT, M8X 12 PLATED	16							

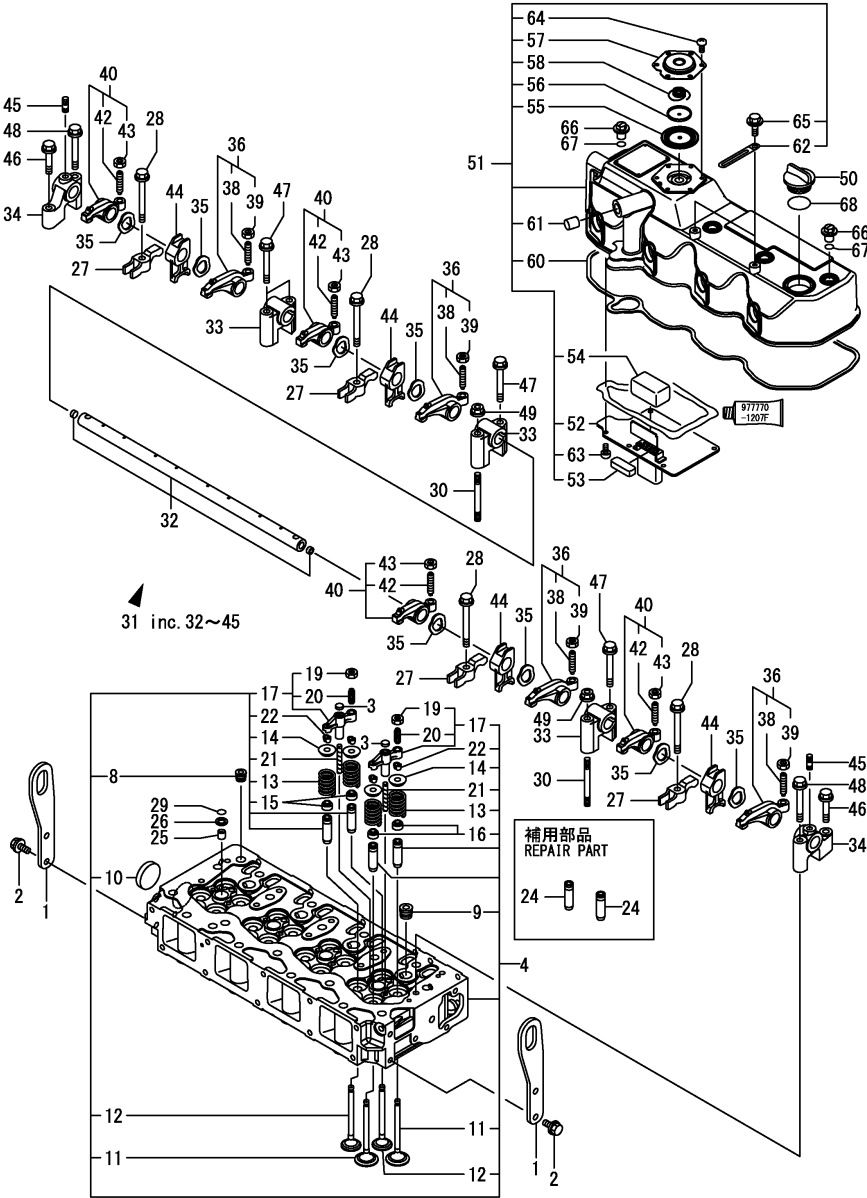
Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-07900	LIFTER, ENGINE	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	123907-11550	SEAT, VALVE BRIDGE	8							
4	1	129927-11700	HEAD ASSY, CYLINDER	1							
8	2	23876-020000	PLUG, R02	1							
9	2	23876-030000	PLUG, R03	4							
10	2	27241-400000	PLUG, 40	1							
11	2	129907-11100	VALVE, SUCTION	8							
12	2	129907-11110	VALVE, EXHAUST	8							
13	2	129907-11120	SPRING, VALVE	16							
14	2	119620-11180	RETAINER, SPRING	16							
15	2	119803-11340	SEAL, VALVE STEM	8							
16	2	124160-11340	SEAL, VALVE STEM	8							
17	2	129907-11510	BRIDGE ASSY, VALVE	8							
19	3	129150-11750	NUT, M8	8							
20	3	123907-11830	ADJUSTER	8							
21	2	123907-11820	GUIDE, BRIDGE	8							
22	2	27310-070001	COTTER, 7	16							
24	1	129907-11800	GUIDE, VALVE	16							1
25	1	119802-11870	PROTECTOR, NOZZLE	4							
26	1	119625-11880	SEAT, NOZZLE	4							
27	1	129907-11910	RETAINER, NOZZLE	4							
28	1	129907-11950	BOLT, M8X75	4							
29	1	24311-000120	O-RING, 1AP12.0	4							
30	1	119593-11301	BOLT, STUD M8X80	2							
31	1	129907-11341	SHAFT ASSY, ROCKER	1							
32	2	129907-11250	SHAFT, ROCKER ARM	1							
33	2	129907-11260	SUPPORT, ROCKER ARM	3							
34	2	129907-11270	SUPPORT, ROCKER ARM	2							
35	2	123907-11280	WASHER	8							
36	2	129907-11650	ARM ASSY, ROCKER	4							
38	3	129150-11230	SCREW, VALVE ADJUST	4							
39	3	129150-11750	NUT, M8	4							
40	2	129907-11660	ARM ASSY, ROCKER	4							
42	3	129150-11230	SCREW, VALVE ADJUST	4							
43	3	129150-11750	NUT, M8	4							
44	2	129907-11920	RETAINER, NOZZLE	4							
45	2	26226-080222	STUD, M8X 22	2							
46	1	26106-080402	BOLT, M8X 40 PLATED	2							
47	1	26106-080602	BOLT, M8X 60 PLATED	4							
48	1	26106-080602	BOLT, M8X 60 PLATED	2							
49	1	26306-080002	NUT, M8	2							
50	1	124160-01751	CAP, FILLER	1							
51	1	129927-11320	BONNET ASSY, HEAD	1							
52	2	129907-03011	PLATE, BAFFLE	1							
53	2	129907-03061	BAFFLE, BREATHER	1							
54	2	129907-03070	BAFFLE, BREATHER	1							
55	2	123907-03100	DIAPHRAGM	1							
56	2	123907-03110	PLATE	1							
57	2	123907-03120	PLATE, BREATHER	1							
58	2	123907-03140	SPRING, DIAPHRAGM	1							

Fig.4. CYLINDER HEAD & BONNET



(A)=4TNV98-ZWBV1
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
60	2	129933-11310	GASKET, BONNET	1							
61	2	119640-61400	PLUG	1							
62	2	175339-79700	CLIP	2							
63	2	22857-500100	SCREW, 5X10	6							
64	2	22857-500100	SCREW, 5X10	6							
65	2	26106-060122	BOLT, M6X 12 PLATED	2							
66	1	124160-11360	KNOB	4							
67	1	24311-000120	O-RING, 1AP12.0	4							
68	1	24311-000320	O-RING, 1AP32.0	1							

Remarks
(1)Spare parts.

Fig.5. SUCTION MANIFOLD

(A)=4TNV98-ZWBV1
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-12110	GASKET, MANIFOLD	1							
2	1	129927-12150	MANIFOLD ASSY,INTAKE	1							
3	2	129927-12100	MANIFOLD, AIR INTAKE	1							
4	2	26216-060202	STUD, M6X 20	2							
5	1	26106-080452	BOLT, M8X 45 PLATED	6							
6	1	26106-080802	BOLT, M8X 80 PLATED	4							
7	1	119129-77020	GASKET	2							
8	1	121850-77021	GASKET, AIR HEATER	1							
9	1	119005-77051	HEATER, AIR	2							
10	1	119129-77520	BEND	1							
11	1	26106-080602	BOLT, M8X 60 PLATED	2							
12	1	26106-081102	BOLT, M8X110 PLATED	2							

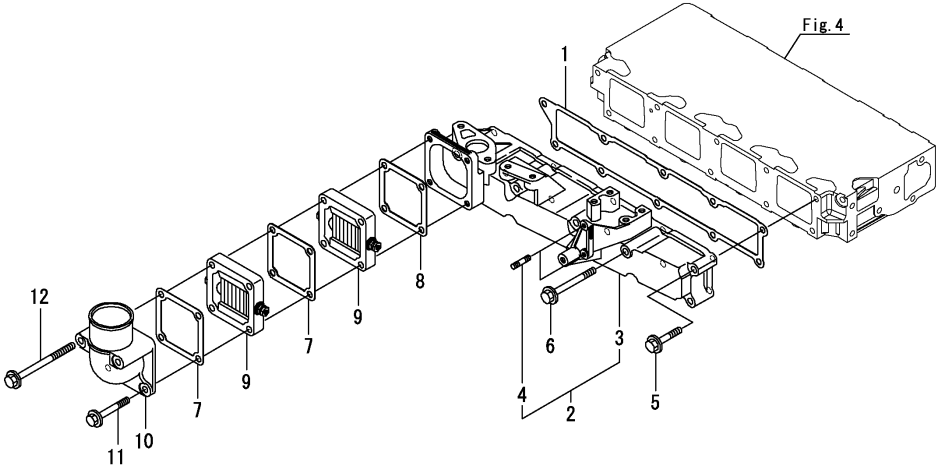
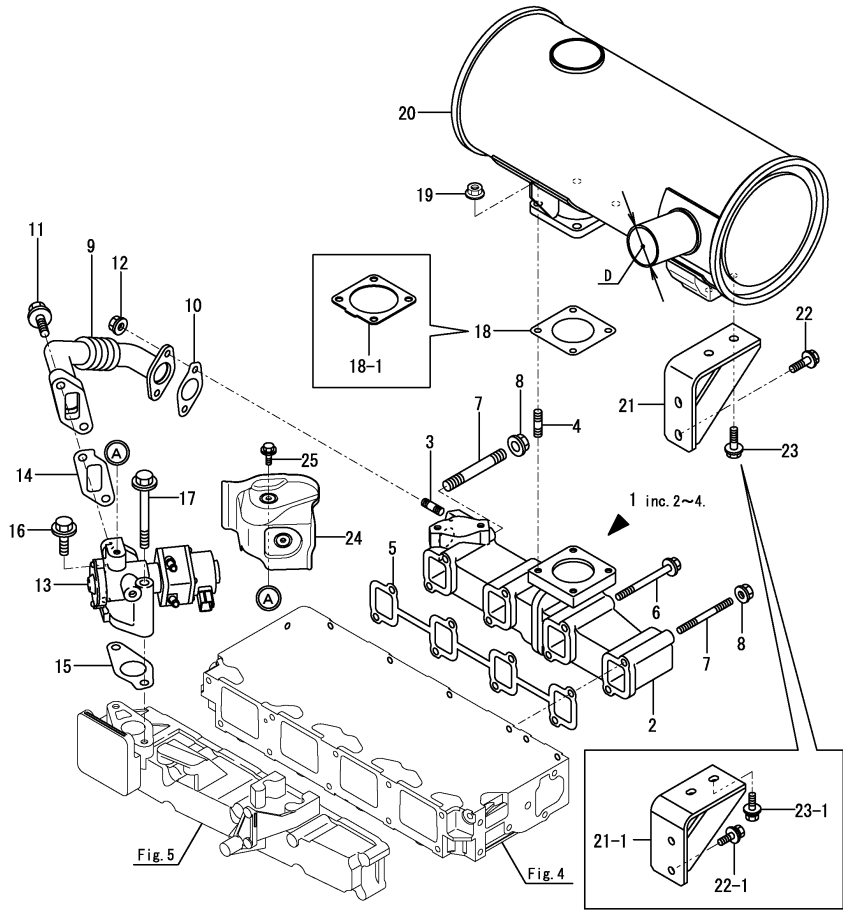


Fig.6. EXHAUST MANIFOLD & SILENCER

(A)=4TNV98-ZWBV1
(B)=
(C)=

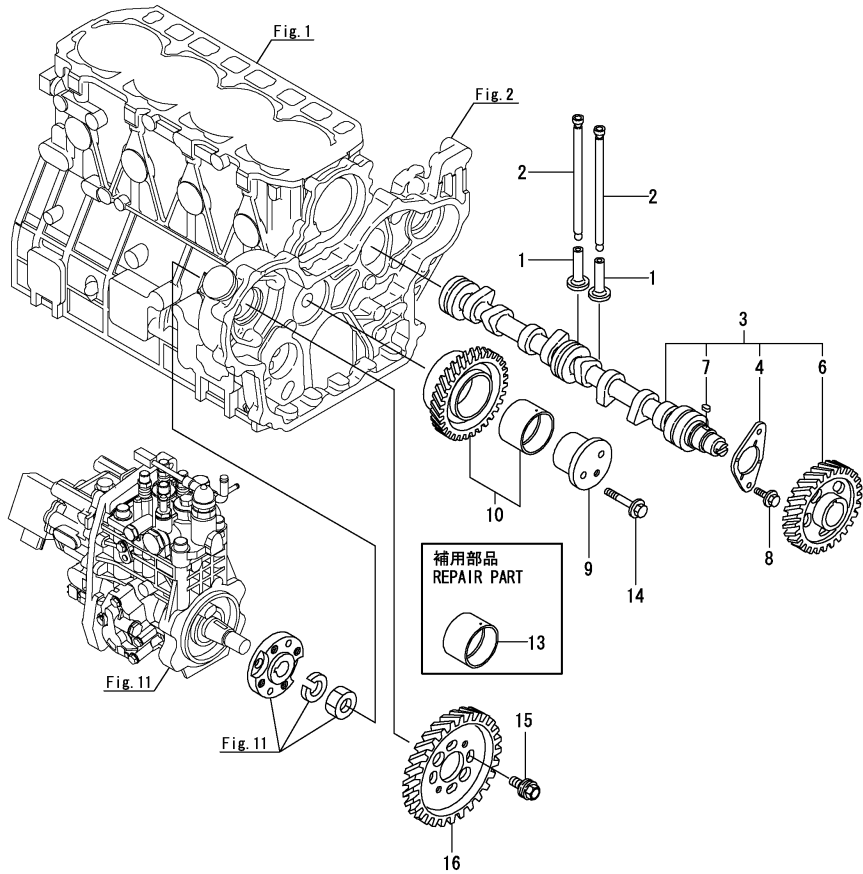
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129927-13150	MANIFOLD ASSY, EXH.	1							
2	2	129927-13100	MANIFOLD, EXHAUST	1							
3	2	129418-18320	BOLT, STUD M8X20	2							
4	2	119131-18320	BOLT, STUD M8X22	4							
5	1	129900-13251	GASKET, EXH.MANIFOLD	1							
6	1	119802-13680	BOLT, M8X90 10.9T	6							
7	1	129263-13210	BOLT, STUD M8X90	2							
8	1	26306-080002	NUT, M8	2							
9	1	129927-13800	PIPE ASSY, EGR	1							
10	1	129927-13810	GASKET	1							
11	1	26106-100302	BOLT, M10X 30 PLATED	2							
12	1	26306-080002	NUT, M8	2							
13	1	129927-13900	VALVE, EGR	1							
14	1	129927-13910	GASKET, EGR	1							
15	1	129927-13920	GASKET, EGR	1							
16	1	26106-100302	BOLT, M10X 30 PLATED	1							
17	1	26106-100952	BOLT, M10X 95 PLATED	1							
18	1	129400-13201	GASKET, SILENCER	1							
18-1	1	129930-13201	GASKET, SILENCER	1						F	1
(A=2016.02.)											
19	1	26306-080002	NUT, M8	4							
20	1	129938-13530	SILENCER	1							
20-1	1	129938-13531	SILENCER	1						S	3
(A=*2016.03.)											
21	1	129938-13680	STAY, SILENCER	1							
21-1	1	129938-13681	STAY, SILENCER	1						N	
(A=EU0249)											
21-2	1	129938-13682	STAY, SILENCER	1						F	1
(A=2016.02.)											
22	1	26106-080162	BOLT, M8X 16 PLATED	2							
22-1	1	26014-080202	BOLT, M8X 20	2						N	2
(A=2016.02.)											
23	1	26106-080202	BOLT, M8X 20 PLATED	2							
23-1	1	26014-080222	BOLT, M8X 22	2						N	2
(A=2016.02.)											
24	1	129927-13960	COVER	1							
25	1	26106-060142	BOLT, M6X 14 PLATED	2							

Remarks
(1)No.18-1, 21-2 interchangeable by set. Spare parts.
(2)Spare parts.
(3)Spare parts. D=No.20 : 48.6mm, No.20-1 : 42.7mm.
Interchangeable by simultaneous replacement with exhaust pipe & clamp.

Fig.7. CAMSHAFT & DRIVING GEAR



0CB10-M76500 Fig.7

(A)=4TNV98-ZWBV1
(B)=
(C)=

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

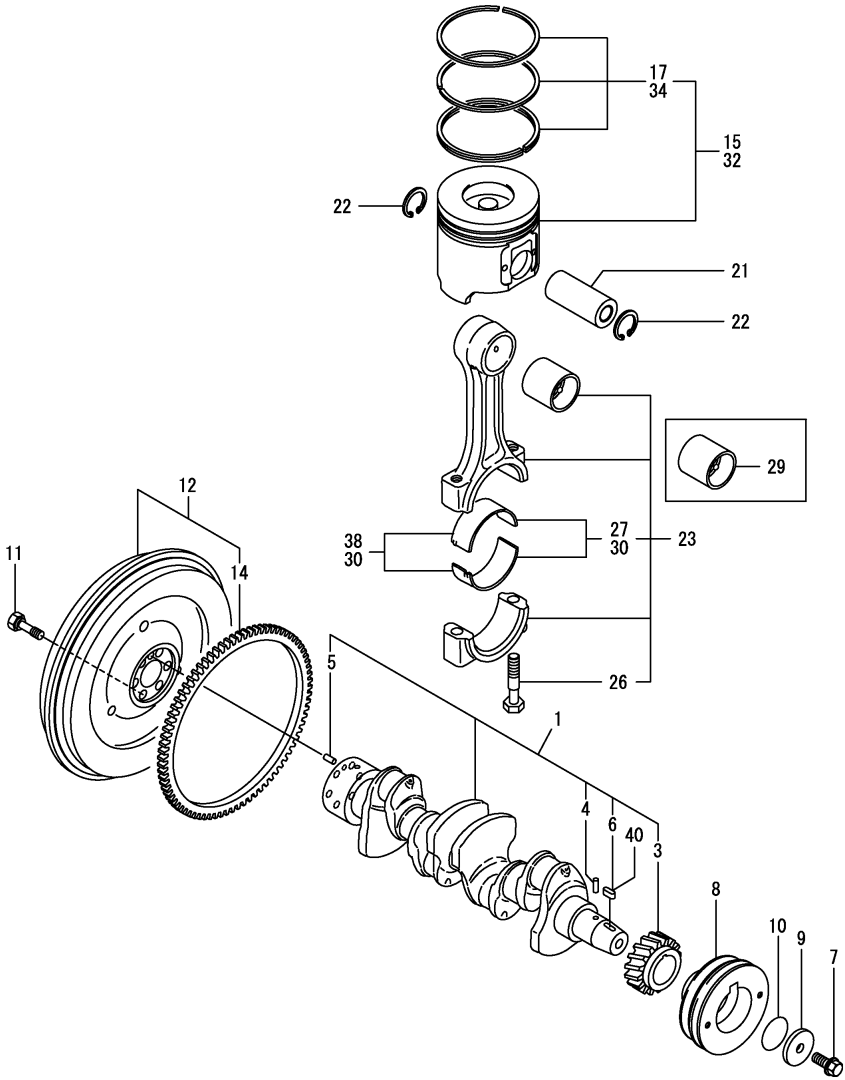
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129907-14400	PUSH-ROD	8							
3	1	129908-14581	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129900-14100	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	26106-080162	BOLT, M8X 16 PLATED	2							
9	1	123900-25060	SHAFT, IDLE GEAR	1							
10	1	129900-25100	GEAR ASSY, IDLE	1							
13	1	129150-25920	BUSH, IDLE GEAR	1							1
14	1	26106-080552	BOLT, M8X 55 PLATED	3							
15	1	129953-25300	BOLT	4							
16	1	129907-25900	GEAR, PUMP	1							

Remarks
(1)Spare parts.

Fig.8. CRANKSHAFT & PISTON

(A)=4TNV98-ZWBV1
(B)=
(C)=

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

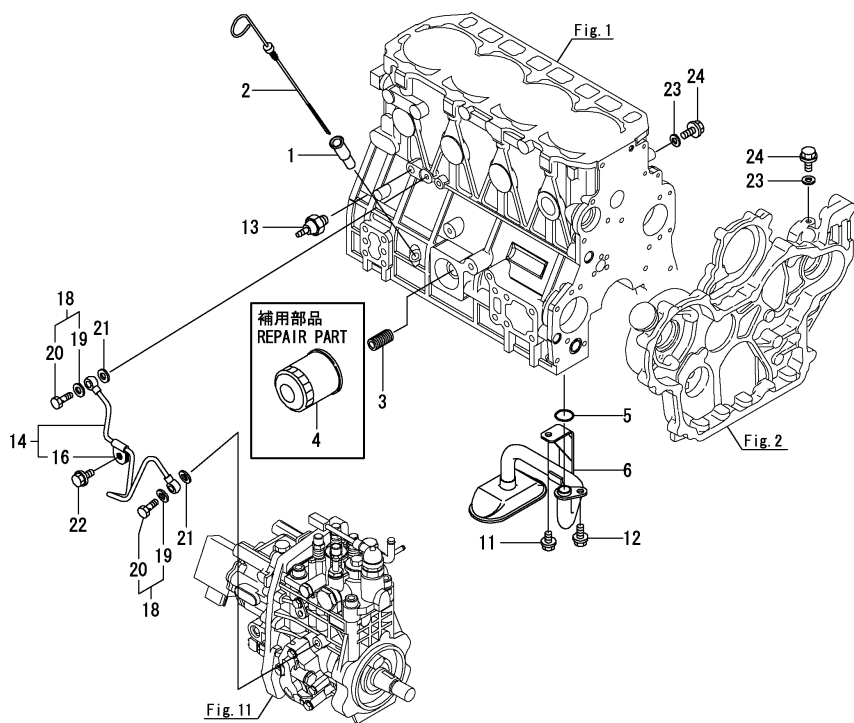


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129902-21000	CRANKSHAFT ASSY	1							
3	2	129900-21200	GEAR, CRANKSHAFT	1							
4	2	121850-21290	PIN, CRANK GEAR	1							
5	2	121850-21920	PIN, PARALLEL 10X22	1							
6	2	22512-070140	KEY, 7X 14	1							Z
(A=EC5746)											
7	1	129916-21610	BOLT, V-PULLEY	1							
8	1	129938-21650	V-PULLEY, CRANKSHAFT	1							
9	1	129960-21640	WASHER	1							
10	1	24341-000530	O-RING, 1AS53.0	1							
11	1	121850-21130	BOLT, FLYWHEEL	6							
12	1	129953-21581	FLYWHEEL ASSY	1							
14	2	129900-21600	GEAR, RING	1							
15	1	129927-22080	PISTON ASSY	4							
17	2	129927-22050	RING SET, PISTON	4							
21	1	120130-22301	PIN, PISTON	4							
22	1	22252-000300	RING, 30	8							
23	1	129900-23001	ROD ASSY, CONNECTING	4							
26	2	129900-23200	BOLT, CONNECTING ROD	8							
27	2	129900-23601	METAL ASSY,CRANK PIN	4							Z 1
(A=EC5746)											
29	1	129900-23911	METAL, PISTON PIN	4							1
30	1	129900-23611	METAL ASSY, PIN .25	4							2
32	1	729927-22900	PISTON ASSY, 0.25 OS	4							3
34	2	729927-22950	RING SET, PISTON .25	4							3
38	1	129900-23601	METAL ASSY,CRANK PIN	4							W
(A=EC5746)											
40	1	22512-070140	KEY, 7X 14	1							W
(A=EC5746)											

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

Fig.9. LUB. OIL SYSTEM

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121520-34810	GUIDE, DIPSTICK	1							
2	1	129938-34820	DIPSTICK, LUB.OIL	1							
3	1	119000-35140	BOLT, STUD FILTER	1							
4	1	119005-35170	FILTER, D80X100	1							
5	1	129900-32030	O-RING, P20	1							
6	1	129953-35000	PIPE ASSY, OIL INLET	1							
11	1	26106-080122	BOLT, M8X 12 PLATED	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	1							
13	1	114250-39450	SWITCH, HYDRAULIC	1							
14	1	129927-39060	PIPE ASSY, OIL	1							
16	2	123907-39500	RETAINER, PIPE	1							
18	1	129005-59830	BOLT ASSY, JOINT M8	2							
19	2	22190-080002	WASHER, SEAL 6	2							
20	2	23857-030000	BOLT, JOINT 3	2							
21	1	22190-080002	WASHER, SEAL 6	2							
22	1	26106-080122	BOLT, M8X 12 PLATED	1							
23	1	22190-080002	WASHER, SEAL 6	2							
24	1	26106-080122	BOLT, M8X 12 PLATED	2							

Remarks
(1) Spare parts.

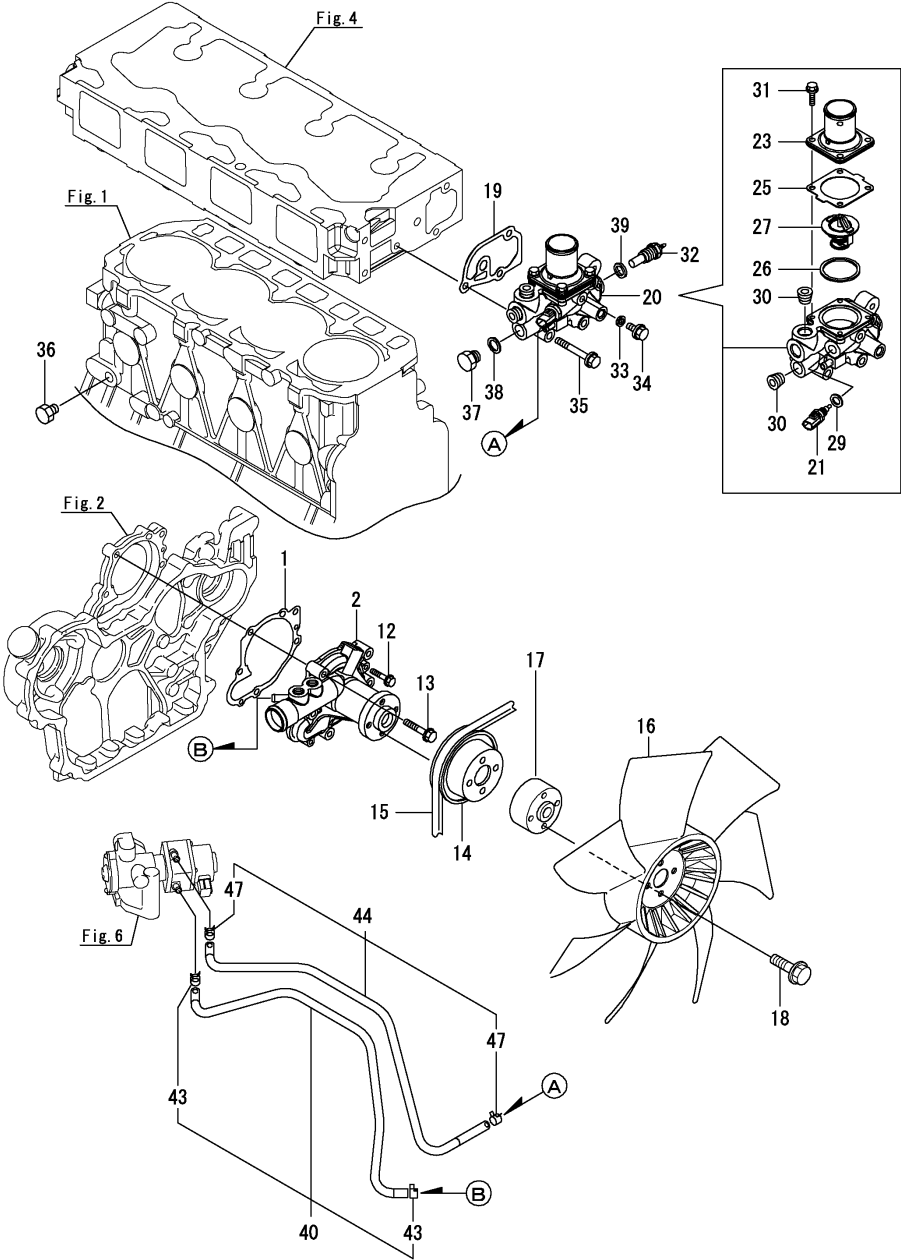
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.10. COOLING WATER SYSTEM

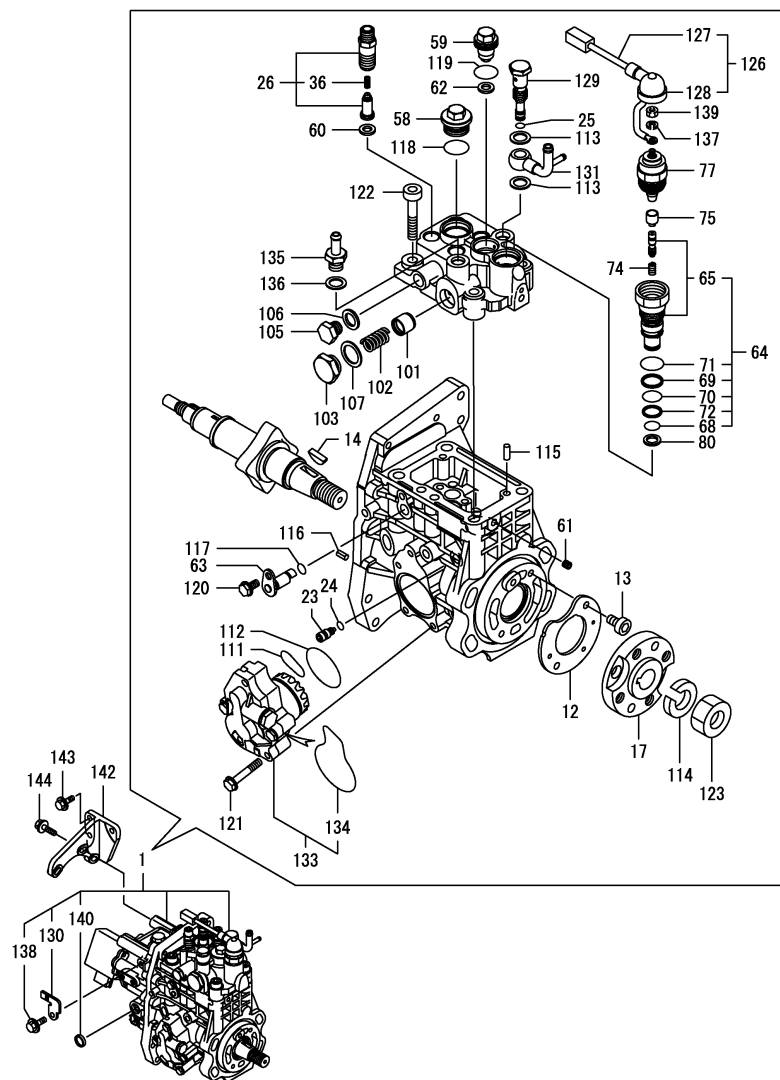
(A)=4TNV98-ZWBV1
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-42020	GASKET, WATER PUMP	1							
2	1	129927-42000	PUMP ASSY, WATER	1							
12	1	26106-060302	BOLT, M6X 30 PLATED	2							
13	1	26106-080552	BOLT, M8X 55 PLATED	5							
14	1	129900-42461	V-PULLEY, C.W.PUMP	1							
15	1	129963-42280	V-BELT, A42.5	1							
16	1	129916-44740	FAN, COOLING D=430	1							
17	1	119005-44761	SPACER, FAN	1							
18	1	26106-080452	BOLT, M8X 45 PLATED	4							
19	1	129900-49870	GASKET, THERMOSTAT	1							
20	1	129927-49800	CASE ASSY,THERMOSTAT	1							
21	2	129927-44900	SENSOR, WATER TEMP.	1							
23	2	129916-49530	COVER, THERMOSTAT	1							
25	2	121850-49540	GASKET, THERMOSTAT	1							
26	2	121850-49550	GASKET, THERMOSTAT	1							
27	2	121850-49810	THERMOSTAT, 71C	1							
29	2	22190-120002	WASHER, SEAL 12	1							
30	2	23875-030000	PLUG, R03	2							
31	2	26106-060202	BOLT, M6X 20 PLATED	4							
32	1	171056-49351	SENSOR, WATER TEMP.	1							
33	1	23414-080000	GASKET, 8X1.0	1							
34	1	26106-080122	BOLT, M8X 12 PLATED	1							
35	1	26106-080602	BOLT, M8X 60 PLATED	3							
36	1	171056-49120	PLUG, DRAIN R1/4	1							
37	1	121450-42450	PLUG, M16	1							
38	1	124465-44950	GASKET, 16	1							
39	1	129150-49360	GASKET	1							
40	1	129927-49610	HOSE ASSY, WATER	1							
43	2	23080-012000	CLAMP, 12	2							
44	1	129927-49620	HOSE ASSY, WATER	1							
47	2	23080-012000	CLAMP, 12	2							

Fig.11. FUEL INJECTION PUMP



Failing to do so will result in engine malfunction.

				(A)=4TNV98-ZWBV1	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729938-51420	INJECTON PUMP ASSY	1							1
12	2	129928-51900	COVER	1							
13	2	129008-51920	BOLT, SOCKET M6X10	2							
14	2	144626-51090	FEATHER KEY, 5X19	1							
17	2	158563-51150	FLANGE	1							
23	2	158600-51270	STOPPER, TAPPET	1							
24	2	158563-51281	O-RING, 4D S6	1							
25	2	158563-51281	O-RING, 4D S6	1							
26	2	129927-51390	VALVE ASSY, DELIVERY	4							
36	3	158563-51330	SPRING, DELIVERY	4							
58	2	158601-51550	PLUG, M22	1							
59	2	129907-51560	PLUG, M16	1							
60	2	158552-51571	GASKET, PLUG	4							
61	2	158557-51570	PLUG, RACK	1							
62	2	129906-51580	GASKET, PLUG	1							
63	2	158552-51580	LIFTER, LINK	1							
64	2	129657-51590	TIMER ASSY	1							
65	3	129657-51600	TIMER ASSY	1							
68	3	158553-51670	O-RING	1							
69	3	119802-51680	RING, BACKUP	1							
70	3	119802-51690	O-RING	1							
71	3	24356-190200	O-RING, 4D19020	1							
72	3	24372-000150	RING, BACK UP T2P15	1							
74	2	119852-51630	SPRING, TIMER	1							
75	2	119852-51640	CAP, TIMER	1							
77	2	119852-51650	VALVE ASSY, SOLENOID	1							
80	2	158553-51680	GASKET, TIMER	1							
101	2	158601-51770	PISTON, ACCUMULATOR	1							
102	2	158552-51781	SPRING, ACCUMULATOR	1							
103	2	158601-51790	PLUG	1							
105	2	158553-51930	PLUG, M12	1							
106	2	22190-120002	WASHER, SEAL 12	1							
107	2	22190-180002	WASHER, SEAL 18	1							
111	2	158552-52311	O-RING	1							
112	2	158552-52400	O-RING, 4E S42	1							
113	2	22190-120002	WASHER, SEAL 12	2							
114	2	22217-180000	WASHER, SPRING 18	1							
115	2	22312-050140	PIN, PARALLEL M5X14	2							
116	2	22351-050010	PIN, SPRING 5.0X10	2							
117	2	24311-000070	O-RING, 1AP7.0	1							
118	2	24356-190200	O-RING, 4D19020	1							
119	2	24356-240210	O-RING, 4D24021	1							
120	2	26106-060102	BOLT, M6X 10 PLATED	1							
121	2	26106-060352	BOLT, M6X 35 PLATED	4							
122	2	26450-100452	BOLT, M10X 45	4							
123	2	26776-180002	NUT, LOCK M18	1							
126	2	129927-51650	HARNESS ASSY, WIRE	1							
127	3	129927-51660	HARNESS	1							
128	3	129263-77941	CAP, RUBBER	1							
129	2	158601-51650	JOINT, OVER FLOW	1							
130	2	129927-51670	BRACKET	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

NO
++ CONTINUE ++

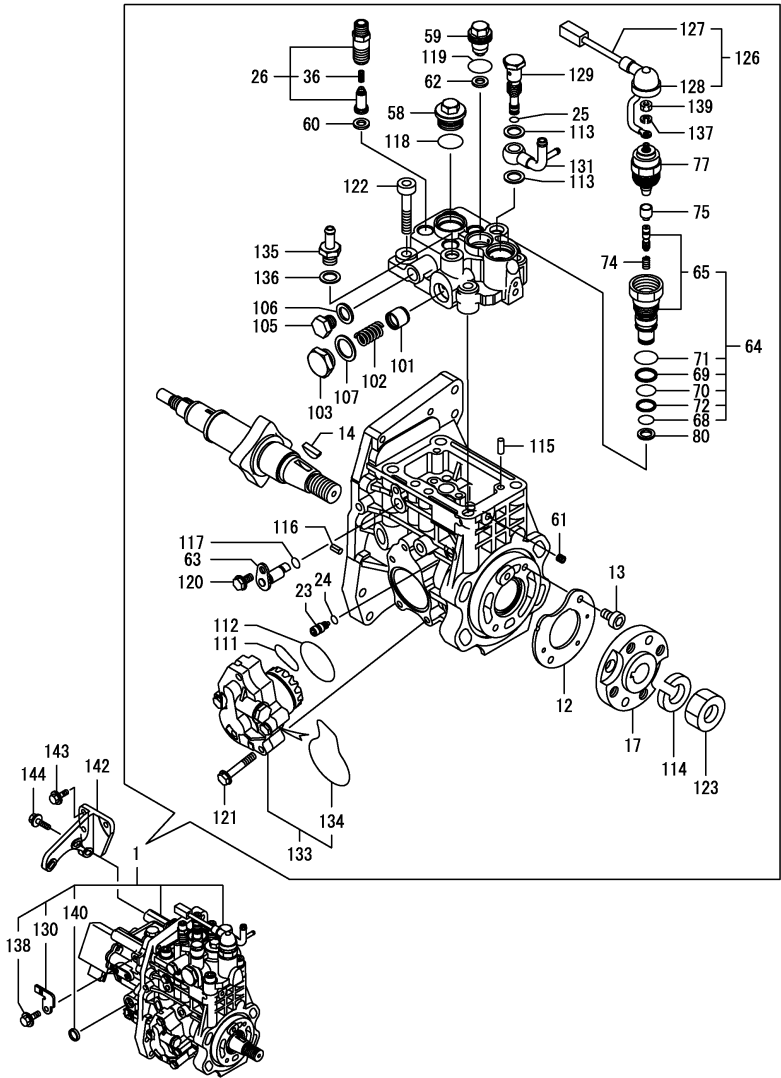
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Fig.11. FUEL INJECTION PUMP

(A)=4TNV98-ZWBV1
(B)=
(C)=

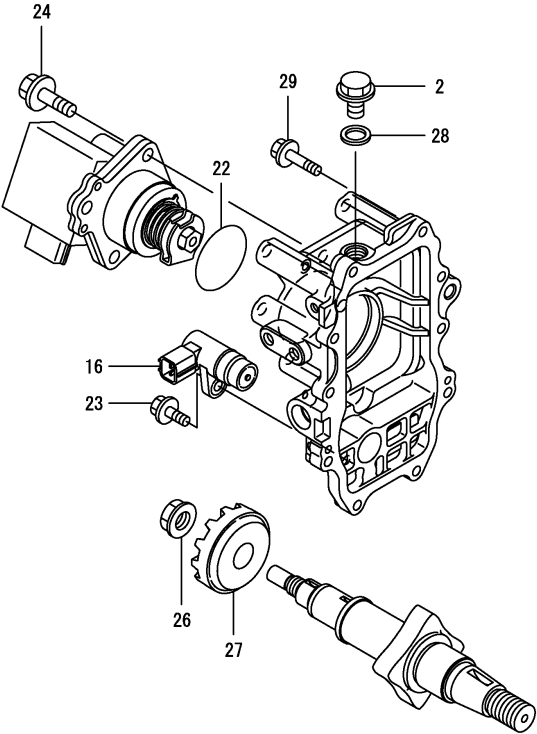
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
131	2	158552-51670	JOINT, OVER FLOW	1							
133	2	158552-52100	PUMP ASSY, FUEL FEED	1							
134	3	158552-52500	O-RING	1							
135	2	119934-59910	JOINT, PIPE	1							
136	2	22190-120002	WASHER, SEAL 12	1							
137	2	22217-050000	WASHER, SPRING 5	1							
138	2	26106-060122	BOLT, M6X 12 PLATED	1							
139	2	26716-050002	NUT, M5	1							
140	2	27241-160000	PLUG, 16	1							
142	1	129927-51250	RETAINER, PUMP	1							
143	1	26106-080202	BOLT, M8X 20 PLATED	3							
144	1	26106-080302	BOLT, M8X 30 PLATED	3							



Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).
* Eco Pump
Make sure to update the engines ECU information when replacing the Eco pump.
Failing to do so will result in engine malfunction.

Fig.12. GOVERNOR



(A)=4TNV98-ZWBV1
(B)=
(C)=

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

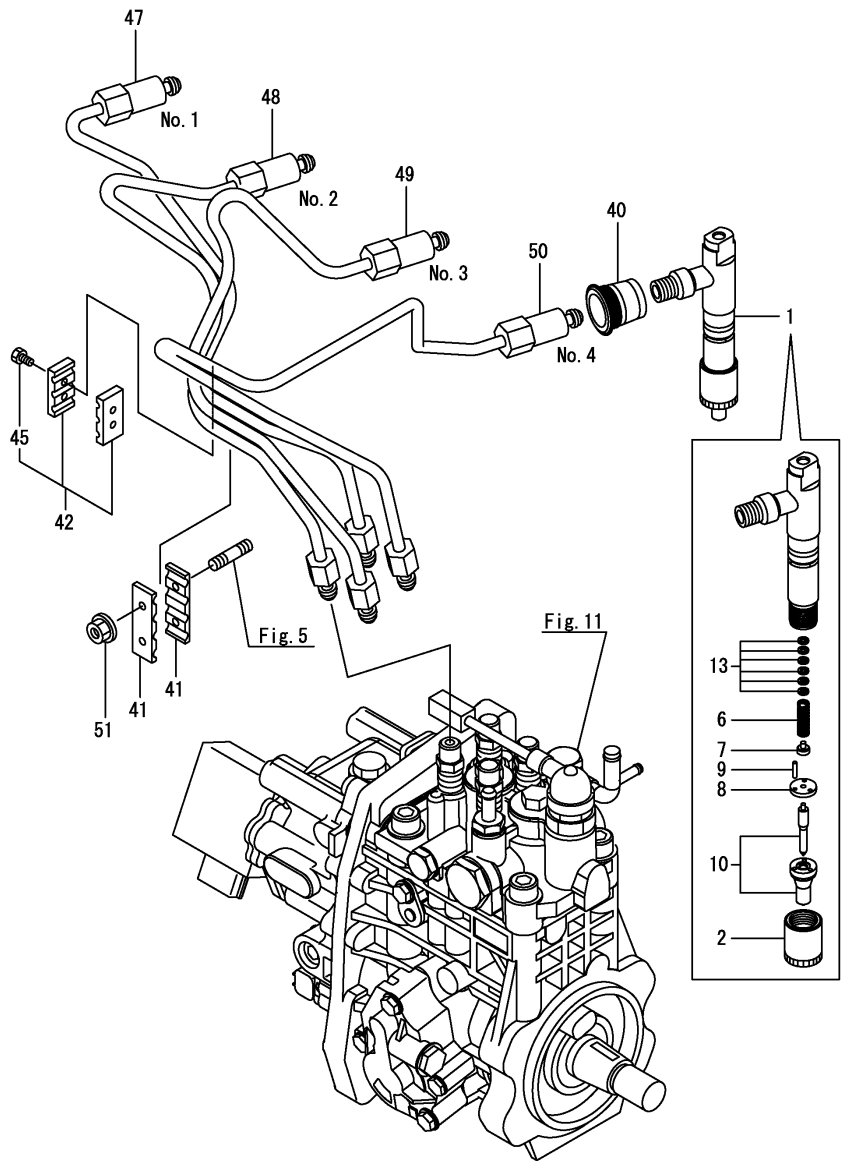
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-51930	PLUG, M12	1							
16	2	158557-61720	SENSOR, ROTATION	1							
22	2	24341-000480	O-RING, 1AS48.0	1							
23	2	26106-060162	BOLT, M6X 16 PLATED	1							
24	2	26106-080252	BOLT, M8X 25 PLATED	3							
24-1	2	26106-080222	BOLT, M8X 22 PLATED	3							R
(A=*2022.06)											
26	2	129008-61301	NUT, SUPPORT	1							
27	2	158553-61780	GEAR, SENSOR	1							
28	2	22190-120002	WASHER, SEAL 12	1							
29	2	26106-060252	BOLT, M6X 25 PLATED	10							

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

Fig.13. FUEL INJECTION VALVE

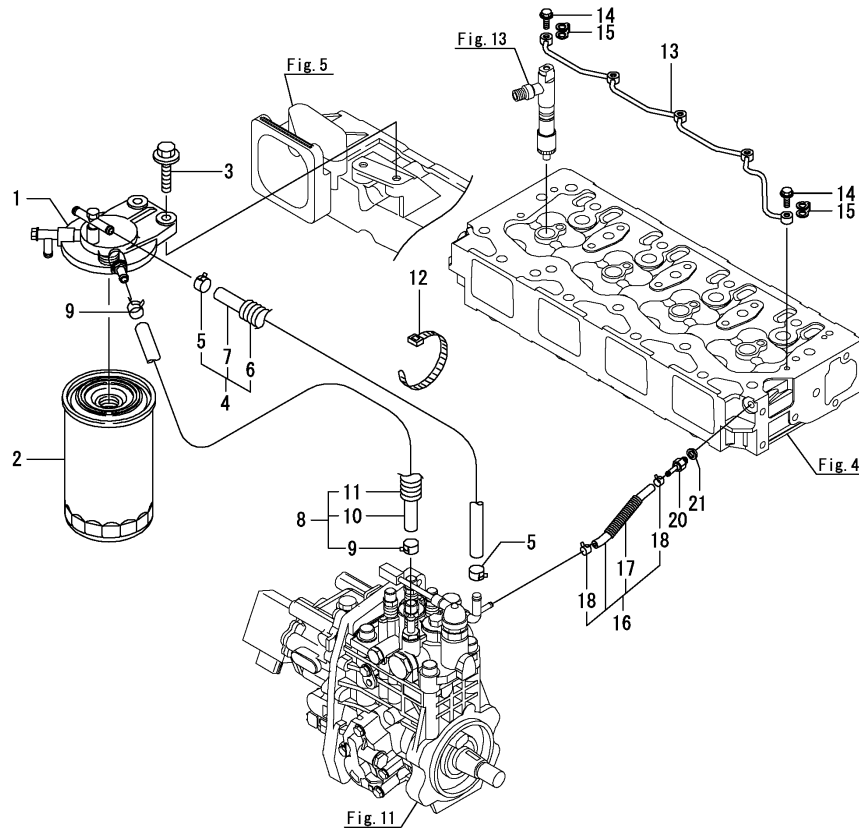
(A)=4TNV98-ZWBV1
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729927-53300	FUEL INJECTOR ASSY	4							
2	2	114250-53080	NUT, NOZZLE	4							
6	2	114250-53120	SPRING, NOZZLE	4							
7	2	114250-53130	SEAT, SPRING	4							
8	2	114250-53140	SPACER	4							
9	2	114250-53210	PIN	8							
10	2	129927-53300	NOZZLE ASSY	4							
13	2	119803-53400	SHIM SET	4							
40	1	123907-11601	SEAL, PIPE	4							
41	1	123472-59120	RETAINER, PIPE	2							
42	1	129150-59120	RETAINER, PIPE	1							
45	2	129150-59131	BOLT, M4X14	2							
47	1	129927-59810	PIPE ASSY, INJECTION	1							
48	1	129927-59820	PIPE ASSY, INJECTION	1							
49	1	129927-59830	PIPE ASSY, INJECTION	1							
50	1	129927-59840	PIPE ASSY, INJECTION	1							
51	1	26366-060002	NUT, M6	2							

Fig.14. FUEL PIPE

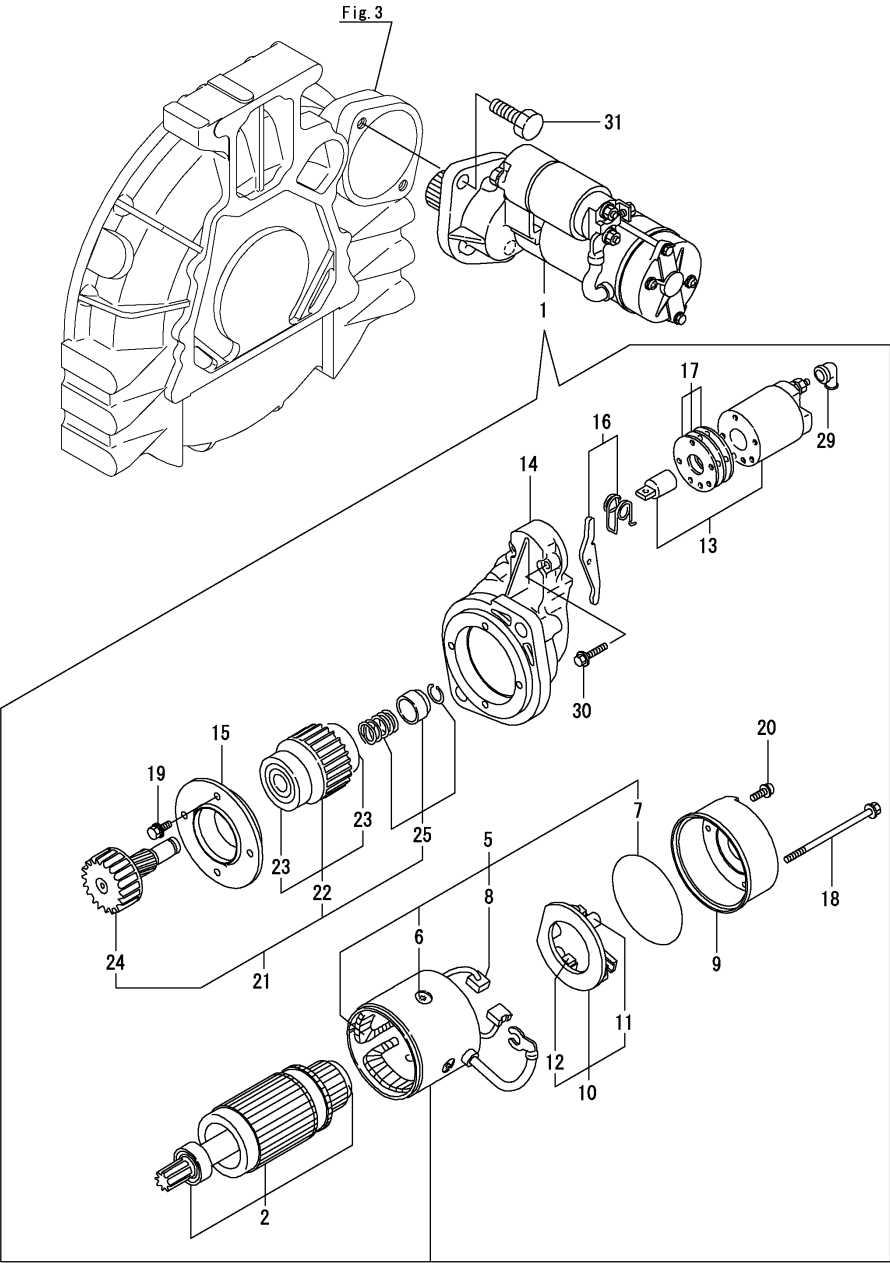


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	123907-55810	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129457-59010	HOSE ASSY, FUEL	1							
5	2	124766-59050	CLAMP, HOSE 11.5	2							
6	2	129957-59120	TUBE, CORRUGATED 15	1							
7	2	105025-59750	HOSE, FUEL	1							
8	1	129961-59310	HOSE ASSY, FUEL	1							
9	2	124766-59050	CLAMP, HOSE 11.5	2							
10	2	129136-59110	HOSE, D13/7.5X270	1							
11	2	129961-59110	TUBE, CORRUGATED 15	1							
12	1	121750-59890	BAND, NYLON	1							
13	1	129907-59140	PIPE ASSY, RETURN	1							
14	1	123907-59540	BOLT, PIPE JOINT M6	5							
15	1	123907-59550	GASKET	5							
16	1	129927-59550	HOSE ASSY, RETURN	1							
17	2	129263-49750	TUBE, CORRUGATED	1							
18	2	124722-59050	CLAMP, HOSE 9	2							
20	1	123907-59560	JOINT, HOSE	1							
21	1	22190-080002	WASHER, SEAL 6	1							

Fig.15. STARTER MOTOR

(A)=4TNV98-ZWBV1
(B)=
(C)=

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

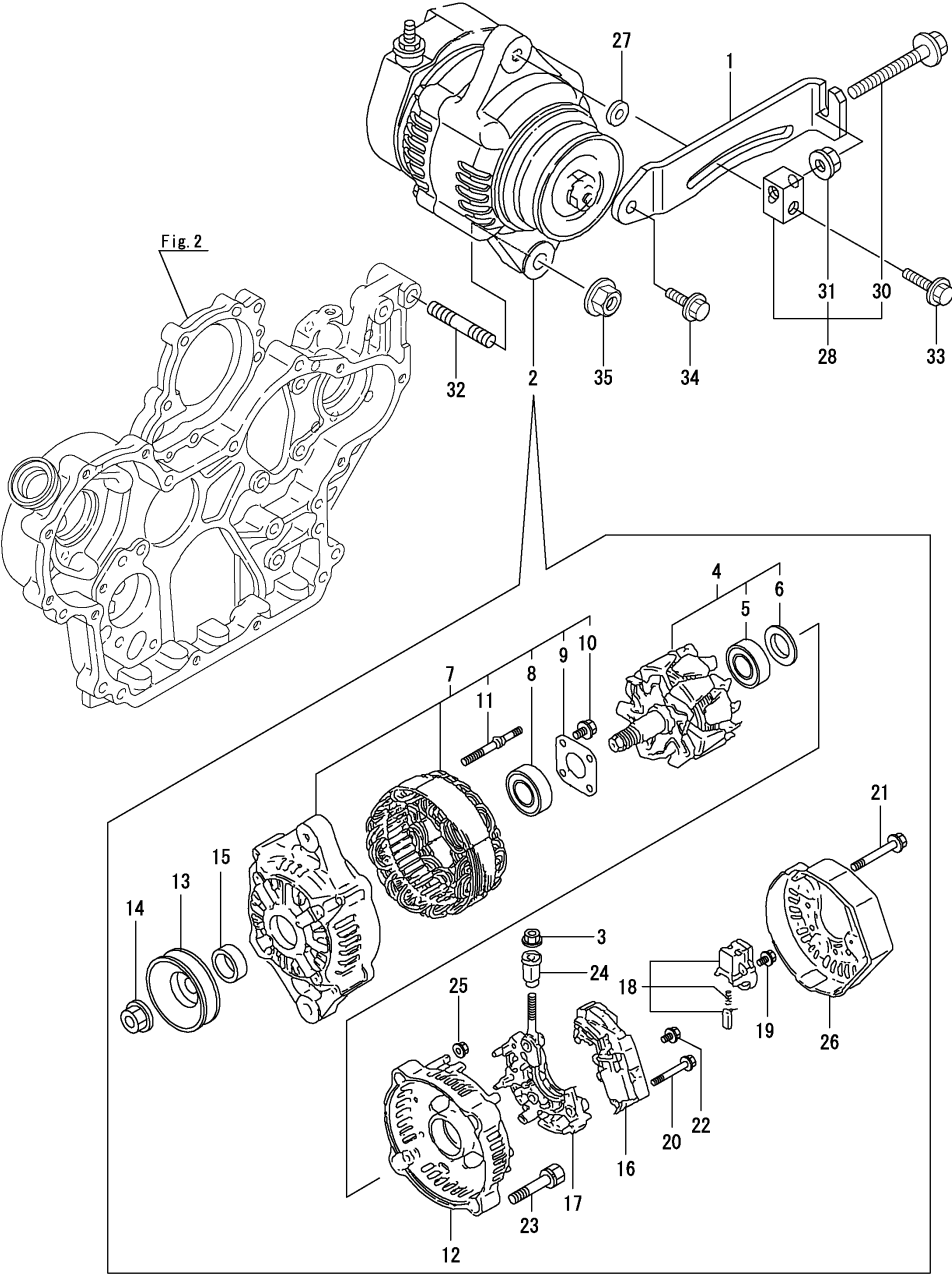


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129940-77010	STARTER ASSY	1							
2	2	129940-77100	ARMATURE ASSY	1							
5	2	129940-77130	COIL ASSY, FIELD	1							
6	3	129940-77140	SCREW, CORE SET	4							
7	3	129940-77150	O-RING	1							
8	3	129940-77160	BRUSH	2							
9	2	129940-77170	COVER	1							
10	2	129940-77180	HOLDER ASSY, BRUSH	1							
11	3	129940-77190	SPRING, BRUSH	1							
12	3	129940-77200	BRUSH	2							
13	2	129940-77210	SWITCH ASSY, MAGNET	1							
14	2	129940-77220	CASE, GEAR	1							
15	2	129940-77230	RETAINER, BEARING	1							
16	2	129940-77240	LEVER SET	1							
17	2	129940-77250	COVER KIT, DUST	1							
18	2	129940-77260	BOLT, THROUGH	2							
19	2	129940-77270	BOLT	4							
20	2	129940-77280	SCREW	2							
21	2	123900-77510	PINION ASSY	1							
22	3	123900-77520	CLUTCH ASSY	1							
23	4	X2240610100	BEARING, BALL	2							
24	3	123900-77540	SHAFT, PINION	1							
25	3	119131-77550	STOPPER SET, PINION	1							
29	2	121254-77810	COVER, TERMINAL	1							
30	2	114371-79070	BOLT	2							
31	1	26116-120302	BOLT, M12X 30 PLATED	2							

Fig.16. GENERATOR

(A)=4TNV98-ZWBV1
(B)=
(C)=

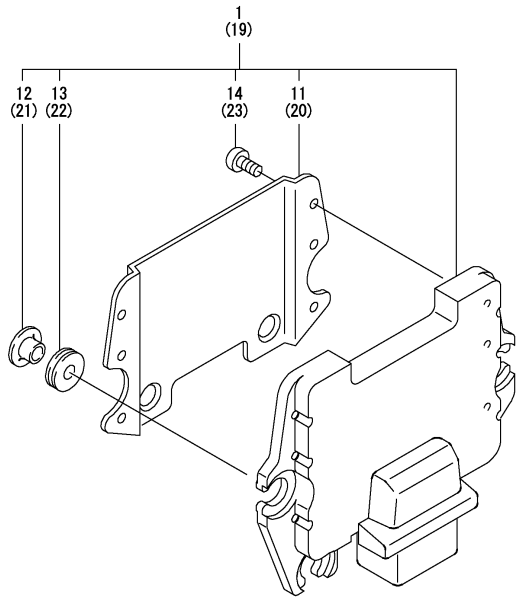
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129906-77300	ADJUSTER, BELT	1							
2	1	119626-77210	ALTERNATOR, 12V-55A	1							
3	2	X9490561001	NUT	1							
4	2	129052-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	129052-77422	FRAME ASSY	1							
8	3	119620-79200	BEARING, BALL	1							
9	3	119620-79210	RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	BOLT, STUD	2							
12	2	128401-77440	COVER	1							
13	2	119620-77461	PULLEY, GENERATOR	1							
14	2	119620-77471	NUT	1							
15	2	119620-77490	COLLAR	1							
16	2	129423-77710	REGULATOR ASSY	1							
17	2	129052-79260	HOLDER	1							
18	2	129052-79270	HOLDER, BRUSH	1							
19	2	119620-79290	SCREW	6							
20	2	119620-79300	SCREW	1							
21	2	119620-79310	BOLT	3							
22	2	119620-79320	SCREW	2							
23	2	119620-79330	BOLT	2							
24	2	119620-79340	BUSH, INSULATION	1							
25	2	119620-79350	NUT	2							
26	2	119626-77450	FRAME	1							
27	1	121236-77340	SPACER	1							
28	1	119624-77351	BLOCK ASSY, ADJUSTER	1							
30	2	26106-081004	BOLT, M8X100 PLATED	1							
31	2	26306-080002	NUT, M8	1							
32	1	129795-01900	BOLT, STUD M10X33	1							
33	1	26106-080552	BOLT, M8X 55 PLATED	1							
34	1	26014-080252	BOLT, M8X 25	1							
35	1	26306-100002	NUT, M10	1							

(A)=4TNV98-ZWBV1
(B)=
(C)=

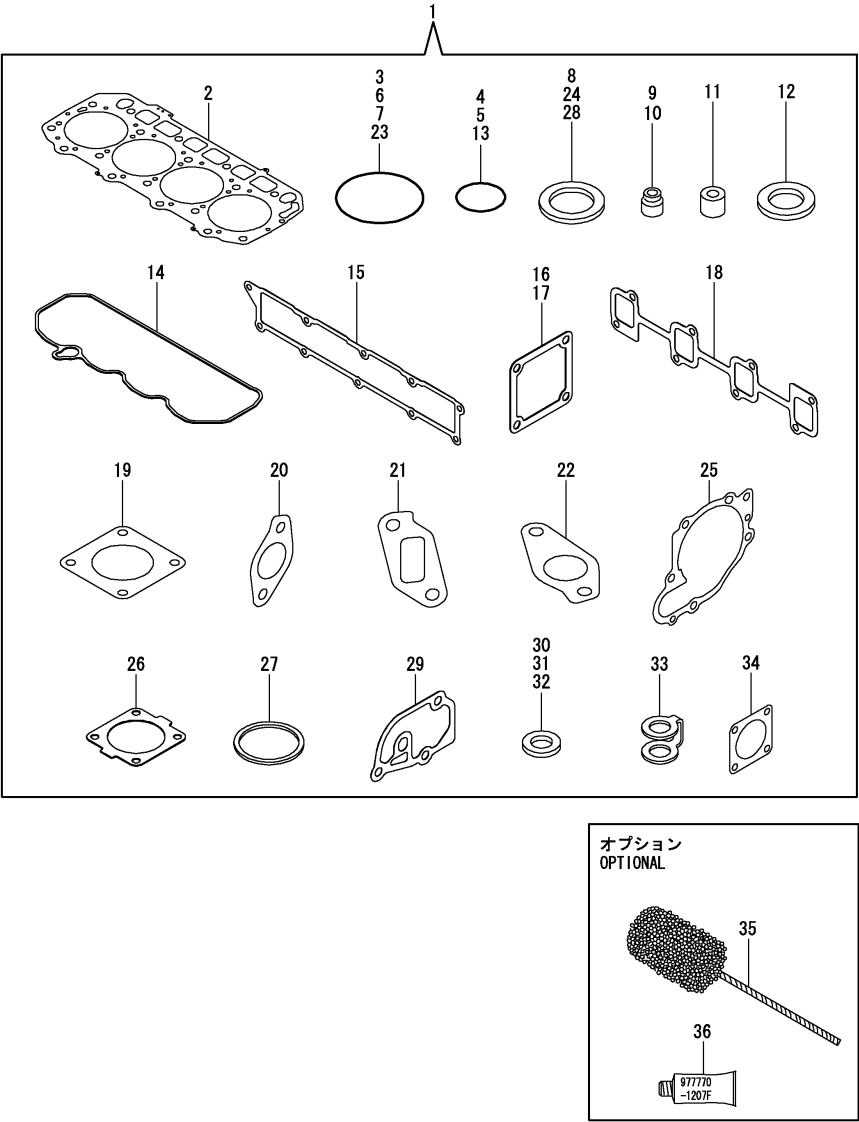
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129938-75150	CONTROLLER ASSY, EUC	1							1
11	2	129927-77600	SHIELD, ECU	1							
12	2	129927-77680	COLLAR, CONTROL	3							
13	2	119578-91351	ABSORBER	3							
14	2	22877-500080	SCREW, 5X 8	6							
19	1	129927-75900	ECU ASSY, SERVICE	1							2
20	2	129927-77600	SHIELD, ECU	1							
21	2	129927-77680	COLLAR, CONTROL	3							
22	2	119578-91351	ABSORBER	3							
23	2	22877-500080	SCREW, 5X 8	6							

Remarks
(1)Eco Ecu
This part cannot be ordered.
Replace the part using a Service ECU with the proper engine information installed.
(2)Service ECU
If the proper information is not installed, the engine will not operate.
To install proper information, go to an authorized distributor.

Fig.18. GASKET SET



(A)=4TNV98-ZWBV1
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129938-92600	GASKET SET	1							1
2	2	129907-01331	GASKET, HEAD	1							
3	2	129900-32030	O-RING, P20	2							
4	2	129900-32040	O-RING, P14	1							
5	2	24311-000070	O-RING, 1AP7.0	1							
6	2	24351-030750	O-RING, 1A3075	1							
7	2	24311-000320	O-RING, 1AP32.0	3							
8	2	22190-220002	WASHER, SEAL 22	1							
9	2	119803-11340	SEAL, VALVE STEM	8							
10	2	124160-11340	SEAL, VALVE STEM	8							
11	2	119802-11870	PROTECTOR, NOZZLE	4							
12	2	119625-11880	SEAT, NOZZLE	4							
13	2	24311-000120	O-RING, 1AP12.0	8							
14	2	129933-11310	GASKET, BONNET	1							
15	2	129907-12110	GASKET, MANIFOLD	1							
16	2	119129-77020	GASKET	2							
17	2	121850-77021	GASKET, AIR HEATER	1							
18	2	129900-13251	GASKET, EXH.MANIFOLD	1							
19	2	129400-13201	GASKET, SILENCER	1							
20	2	129927-13810	GASKET	1							
21	2	129927-13910	GASKET, EGR	1							
22	2	129927-13920	GASKET, EGR	1							
23	2	24341-000530	O-RING, 1AS53.0	1							
24	2	22190-080002	WASHER, SEAL 6	7							
25	2	129900-42020	GASKET, WATER PUMP	1							
26	2	121850-49540	GASKET, THERMOSTAT	1							
27	2	121850-49550	GASKET, THERMOSTAT	1							
28	2	22190-120002	WASHER, SEAL 12	1							
29	2	129900-49870	GASKET, THERMOSTAT	1							
30	2	23414-080000	GASKET, 8X1.0	1							
31	2	124465-44950	GASKET, 16	1							
32	2	129150-49360	GASKET	1							
33	2	123907-59550	GASKET	5							
34	2	124240-01883	GASKET	1							
35	1	129400-92450	HONE, FLEX	1							1
36	1	977770-1207F	GASKET.LIQUID	1							1

Remarks
(1)Optional parts.

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105025-59750	14	7
114250-39450	9	13
114250-53080	13	2
114250-53120	13	6
114250-53130	13	7
114250-53140	13	8
114250-53210	13	9
114371-79070	15	30
119000-35140	9	3
119005-35170	9	4
119005-44761	10	17
119005-77051	5	9
119129-77020	5	7
	18	16
119129-77520	5	10
119131-18320	6	4
119131-77550	15	25
119578-91351	17	13
		22
119593-11301	4	30
119620-01750	3	4
119620-11180	4	14
119620-77461	16	13
119620-77471	16	14
119620-77490	16	15
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79290	16	19
119620-79300	16	20
119620-79310	16	21
119620-79320	16	22
119620-79330	16	23
119620-79340	16	24
119620-79350	16	25
119624-77351	16	28
119625-11880	4	26
	18	12
119626-77210	16	2
119626-77450	16	26
119640-01640	3	9
119640-61400	4	61
119802-11870	4	25
	18	11
119802-13680	6	6
119802-51680	11	69
119802-51690	11	70
119803-11340	4	15

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119803-53400	13	13
119852-51630	11	74
119852-51640	11	75
119852-51650	11	77
119934-59910	11	135
120130-22301	8	21
121236-77340	16	27
121254-77810	15	29
121450-42450	10	37
121520-34810	9	1
121750-59890	14	12
121850-21130	8	11
121850-21290	8	4
121850-21920	8	5
121850-49540	10	25
	18	26
121850-49550	10	26
	18	27
121850-49810	10	27
121850-77021	5	8
	18	17
123472-59120	13	41
123501-79240	16	5
123900-25060	7	9
123900-77510	15	21
123900-77520	15	22
123900-77540	15	24
123907-03100	4	55
123907-03110	4	56
123907-03120	4	57
123907-03140	4	58
123907-11280	4	35
123907-11550	4	3
123907-11601	13	40
123907-11820	4	21
123907-11830	4	20
123907-39500	9	16
123907-55810	14	2
123907-59540	14	14
123907-59550	14	15
	18	33
123907-59560	14	20
124160-01751	2	24
	4	50
124160-11340	4	16
	18	10
124160-11360	4	66
124240-01871	2	40
124240-01883	2	41

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124465-44950	10	38
	18	31
124722-59050	14	18
124766-59050	14	5
		9
128401-77440	16	12
129004-55612	14	1
129005-59830	9	18
129008-51920	11	13
129008-61301	12	26
129052-77380	16	4
129052-77422	16	7
129052-79260	16	17
129052-79270	16	18
129100-01580	2	1
	3	1
129136-59110	14	10
129150-02450	7	4
129150-11230	4	38
		42
129150-11750	4	19
		39
		43
129150-14200	7	1
129150-25920	7	13
129150-49360	10	39
	18	32
129150-59120	13	42
129150-59131	13	45
129263-13210	6	7
129263-49750	14	17
129263-77941	11	128
129400-13201	6	18
	18	19
129400-92450	18	35
129418-18320	6	3
129423-77710	16	16
129457-59010	14	4
129657-51590	11	64
129657-51600	11	65
129795-01900	16	32
129900-01200	1	27
129900-01250	1	4
129900-01850	2	35
129900-01870	2	36
129900-02020	1	6
129900-02341	1	32
129900-02410	1	9
129900-02931	1	24

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129900-13251	6	5
	18	18
129900-14100	7	6
129900-21200	8	3
129900-21600	8	14
129900-23001	8	23
129900-23200	8	26
129900-23601	8	27
		38
129900-23611	8	30
129900-23911	8	29
129900-25100	7	10
129900-32001	2	4
129900-32030	2	16
	9	5
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129900-32040	2	17
	18	4
129900-42020	10	1
	18	25
129900-42461	10	14
129900-49870	10	19
	18	29
129902-21000	8	1
129906-51580	11	62
129906-77300	16	1
129907-01331	1	28
	18	2
129907-01500	2	3
129907-03011	4	52
129907-03061	4	53
129907-03070	4	54
129907-07900	4	1
129907-11100	4	11
129907-11110	4	12
129907-11120	4	13
129907-11250	4	32
129907-11260	4	33
129907-11270	4	34
129907-11341	4	31
129907-11510	4	17
129907-11650	4	36
129907-11660	4	40
129907-11800	4	24
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129907-11920	4	44
129907-11950	4	28
129907-12110	5	1
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129907-51560	11	59
129907-59140	14	13
129908-14581	7	3
129916-01710	3	8
129916-01790	3	7
129916-01800	2	34
129916-21610	8	7
129916-44740	10	16
129916-49530	10	23
129927-11320	4	51
129927-11700	4	4
129927-12100	5	3
129927-12150	5	2
129927-13100	6	2
129927-13150	6	1
129927-13800	6	9
129927-13810	6	10
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129927-13900	6	13
129927-13910	6	14
	18	21
129927-13920	6	15
	18	22
129927-13960	6	24
129927-22050	8	17
129927-22080	8	15
129927-39060	9	14
129927-42000	10	2
129927-42140	2	17 A
129927-44900	10	21
129927-49610	10	40
129927-49620	10	44
129927-49800	10	20
129927-51250	11	142
129927-51390	11	26
129927-51650	11	126
129927-51660	11	127
129927-51670	11	130
129927-53300	13	10
129927-59550	14	16
129927-59810	13	47
129927-59820	13	48
129927-59830	13	49
129927-59840	13	50
129927-75900	17	19
129927-77600	17	11
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129927-77680	17	12

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129928-51900	11	12
129930-13201	6	18 -1
129933-11310	4	60
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129938-13530	6	20
129938-13531	6	20 -1
129938-13680	6	21
129938-13681	6	21 -1
129938-13682	6	21 -2
129938-21650	8	8
129938-34820	9	2
129938-75150	17	1
129938-92600	18	1
129940-77010	15	1
129940-77100	15	2
129940-77130	15	5
129940-77140	15	6
129940-77150	15	7
129940-77160	15	8
129940-77170	15	9
129940-77180	15	10
129940-77190	15	11
129940-77200	15	12
129940-77210	15	13
129940-77220	15	14
129940-77230	15	15
129940-77240	15	16
129940-77250	15	17
129940-77260	15	18
129940-77270	15	19
129940-77280	15	20
129951-01740	2	26
129953-01620	3	2
129953-21581	8	12
129953-25300	7	15
129953-35000	9	6
129957-59120	14	6
129960-21640	8	9
129961-59110	14	11
129961-59310	14	8
129963-42280	10	15
144626-51090	11	14
158552-51571	11	60
158552-51580	11	63
158552-51670	11	131
158552-51781	11	102
158552-52100	11	133
158552-52311	11	111
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158553-51670	11	68
158553-51680	11	80
158553-51930	11	105
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158553-61780	12	27
158557-51570	11	61
158557-61720	12	16
158563-51150	11	17
158563-51281	11	24
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158563-51330	11	36
158600-51270	11	23
158601-51550	11	58
158601-51650	11	129
158601-51770	11	101
158601-51790	11	103
171031-11741	2	30
171051-01921	1	5
171056-49120	10	36
171056-49351	10	32
175339-79700	4	62
22190-080002	9	19
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		23
	14	21
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22190-120002	10	29
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22190-180002	11	107
22190-220002	3	11
	18	8
22217-050000	11	137
22217-180000	11	114
22252-000300	8	22
22312-050140	11	115
22351-050010	11	116
22351-060012	1	14
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22512-070140	7	7
	8	6
		40
22857-500100	4	63
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22877-500080	17	14
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23414-080000	10	33
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23857-030000	9	20
23875-030000	10	30
23876-020000	4	8
23876-030000	1	11
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24311-000070	2	18
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24311-000120	4	29
		67
	18	13
24311-000320	2	25
		31
	4	68
	18	7
24341-000480	12	22
24341-000530	8	10
	18	23
24351-030750	2	19
	18	6
24356-190200	11	71
		118
24356-240210	11	119
24372-000150	11	72
26014-080202	6	22 -1
26014-080222	6	23 -1
26014-080252	16	34
26106-060102	11	120
26106-060122	4	65
	11	138
26106-060142	6	25
26106-060162	12	23
26106-060202	10	31
26106-060252	12	29
26106-060302	10	12
26106-060352	11	121
26106-080122	3	12
	9	11
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	4	2
	6	22
26106-080202	7	8
	9	12
	2	21
		28
	6	23
26106-080222	11	143
	12	24 -1
26106-080252	12	24
26106-080302	11	144
	14	3
26106-080402	2	29
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26106-080452	2	22
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	7	14
26106-080552	10	13
	16	33
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26106-080602		48
	5	11
	10	35
26106-080702	2	37
26106-080752	2	27
26106-080802	5	6
26106-081004	16	30
26106-081102	5	12
26106-100302	6	11
		16
26106-100952	6	17
26116-120302	15	31
26206-100352	3	5
26206-100702	3	6
26216-060202	5	4
26216-100302	2	15
26226-080222	4	45
26306-080002	4	49
	6	8
		12
26306-100002		19
	16	31
	2	23
26366-060002	16	35
	13	51

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26776-180002	11	123
27241-160000	11	140
27241-300000	1	10
27241-400000	4	10
27310-070001	4	22
729900-02801	1	29
729907-01559	2	32
729927-01560	1	1
729927-22900	8	32
729927-22950	8	34
729927-53300	13	1
729938-51420	11	1
977770-1207F	18	36
X2240610100	15	23
X9490561001	16	3

Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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