

YANMAR 굴삭기**ViO80-1A****PARTS CATALOG**

0CK50-M00640EN



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.

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P R E F A C E

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

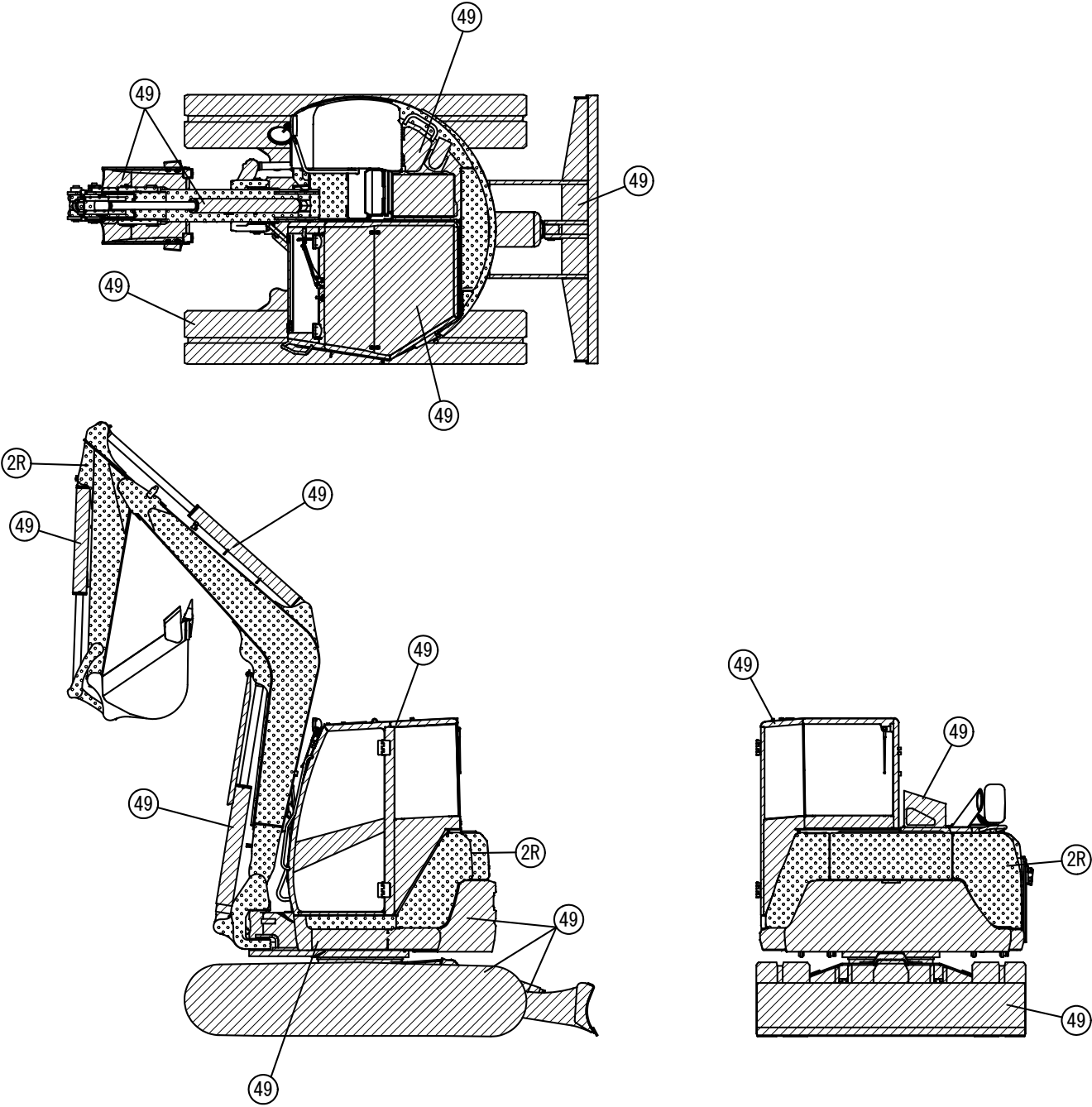
2. Parts catalog history

		Model	Published	Remarks
1st edition	Vehicle	VI080-1A (KR)	Jun. , 2015	
	Engine	4TNV98C-WBV		

3. 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



Color Code	Desc-ription	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
2R		YANMAR Turmeric Yellow	-----	977620-41001	977620-41002
49		YANMAR Navy Gray	-----	TOR-91390001	TOR-94800491

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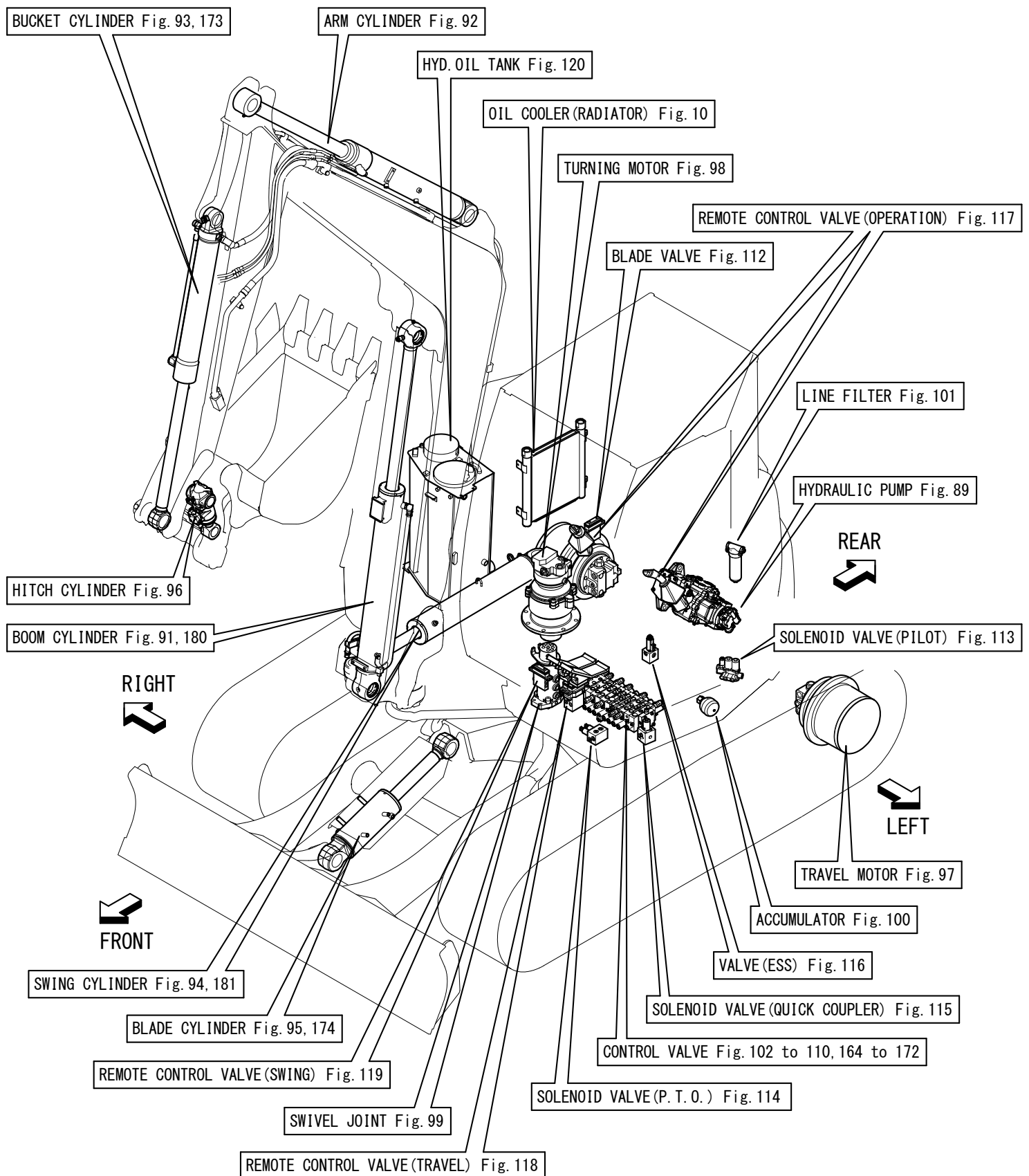
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- 168. (110E)CONTROL VALVE(B-TYPE)(5/9)(FROM M1B320)
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- 115. SOLENOID VALVE(QUICK COUPLER)
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Fig. No. Fig. Name

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- 144. BUCKET ARM & LINK
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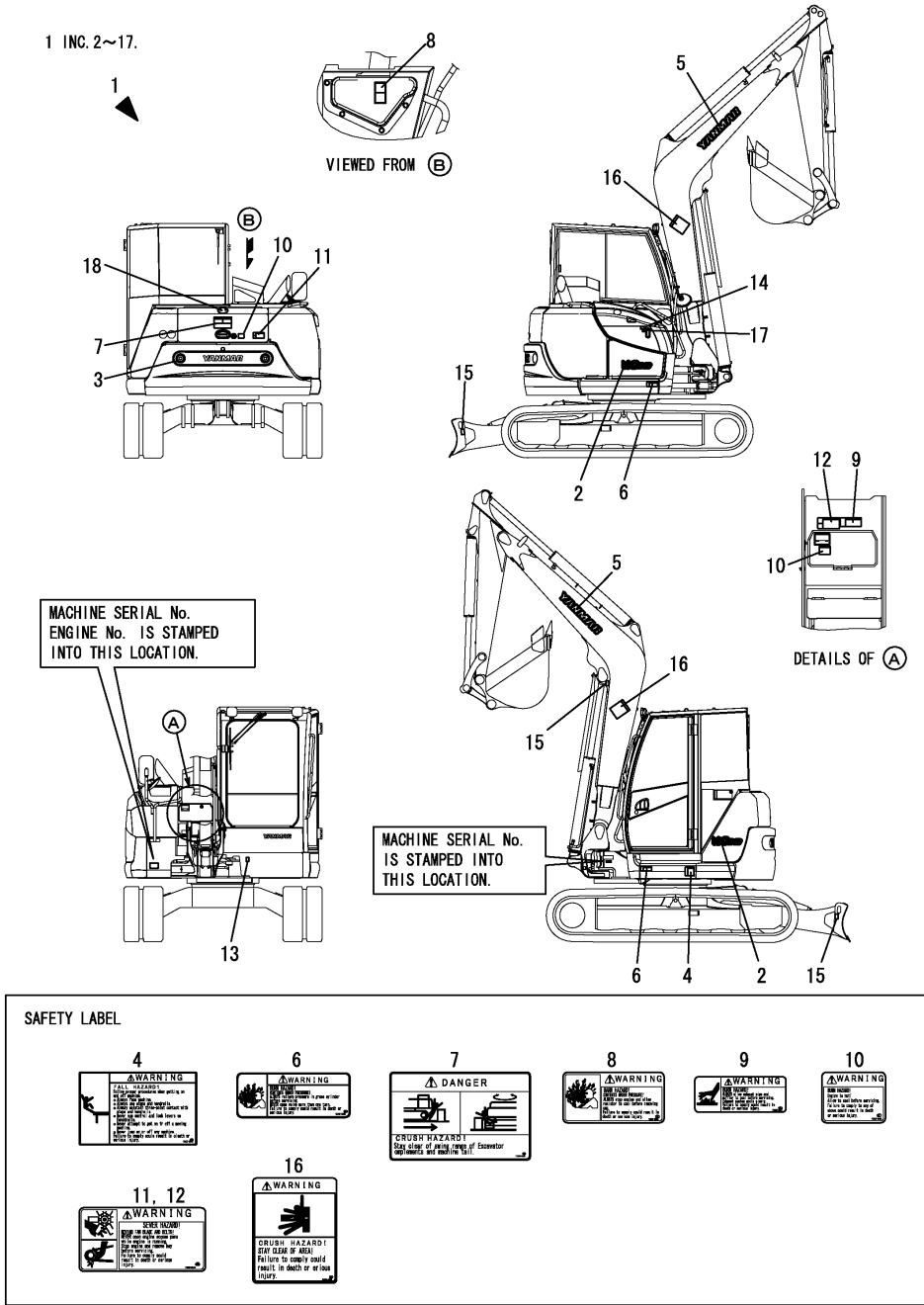
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157.	P.T.O.2 KIT(ARM END)(OPTIONAL)(3/7)		
158.	P.T.O.2 KIT(ARM END)(OPTIONAL)(4/7)		
159.	P.T.O.2 KIT(ARM END)(OPTIONAL)(5/7)		
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Fig.1. LABEL(EXTERIOR)(TO MAF000)



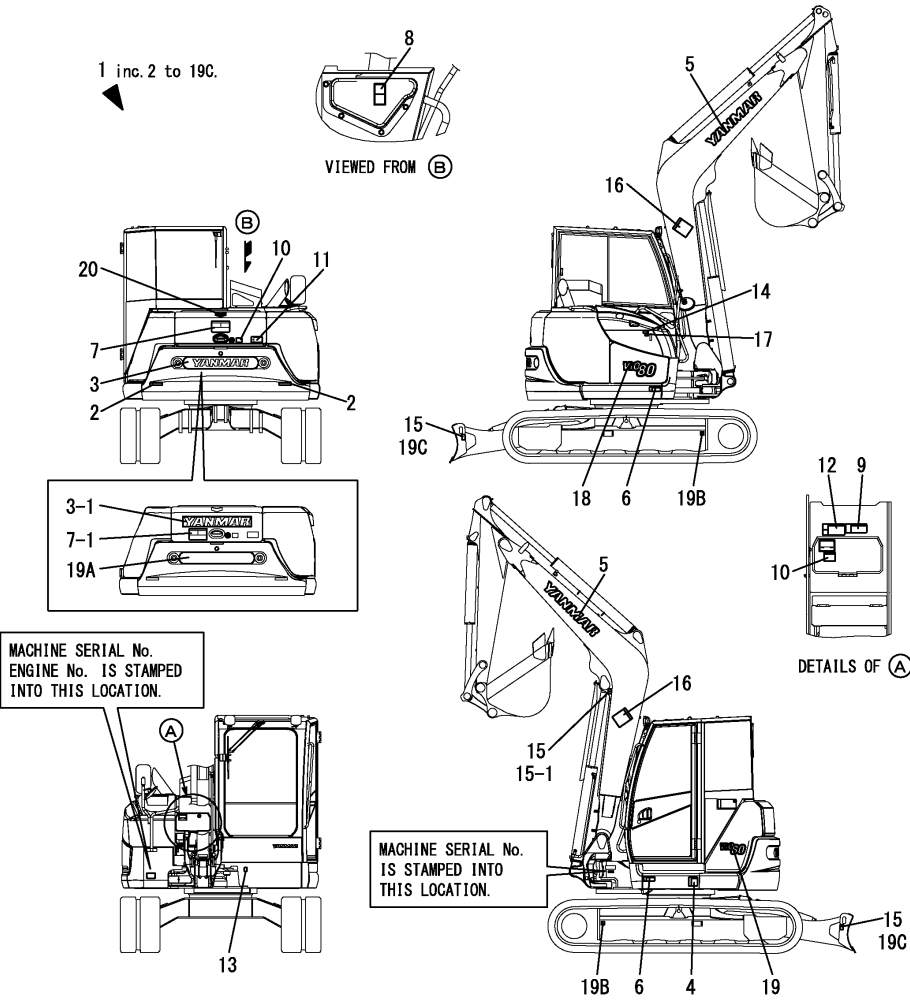
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08120	LABEL SET,OUT EX	1							
2	2	172B11-03140	LABEL, MODEL	2							
3	2	172B11-03160	LABEL, REAR EMBLEM	1							
4	2	172472-03141	LABEL, SUPPORT	1							
5	2	172A65-03230	LABEL, YANMAR 627	2							
6	2	172437-03352	LABEL, GREASE CYL US	2							
7	2	172437-03381	LABEL, SWING AREA	1							
8	2	172437-03391	LABEL, RADIATOR	1							
9	2	172B03-03390	LABEL, SILENCER EX	1							
10	2	172437-03402	LABEL, ENGINE COVER	2							
11	2	172A36-03411	LABEL, ENGINE ROOM	1							
12	2	172A36-03411	LABEL, ENGINE ROOM	1							
13	2	172B03-03460	LABEL, GREASE US	1							
14	2	172437-03501	LABEL, FUEL US	1							
15	2	172437-03511	LABEL, LIFTING	3							
16	2	172187-03941	LABEL, BOOM US	2							
17	2	114110-07761	LABEL, FUEL CAUTION	1							
18	1	172A89-03500	EMBLEM ASSY	1							

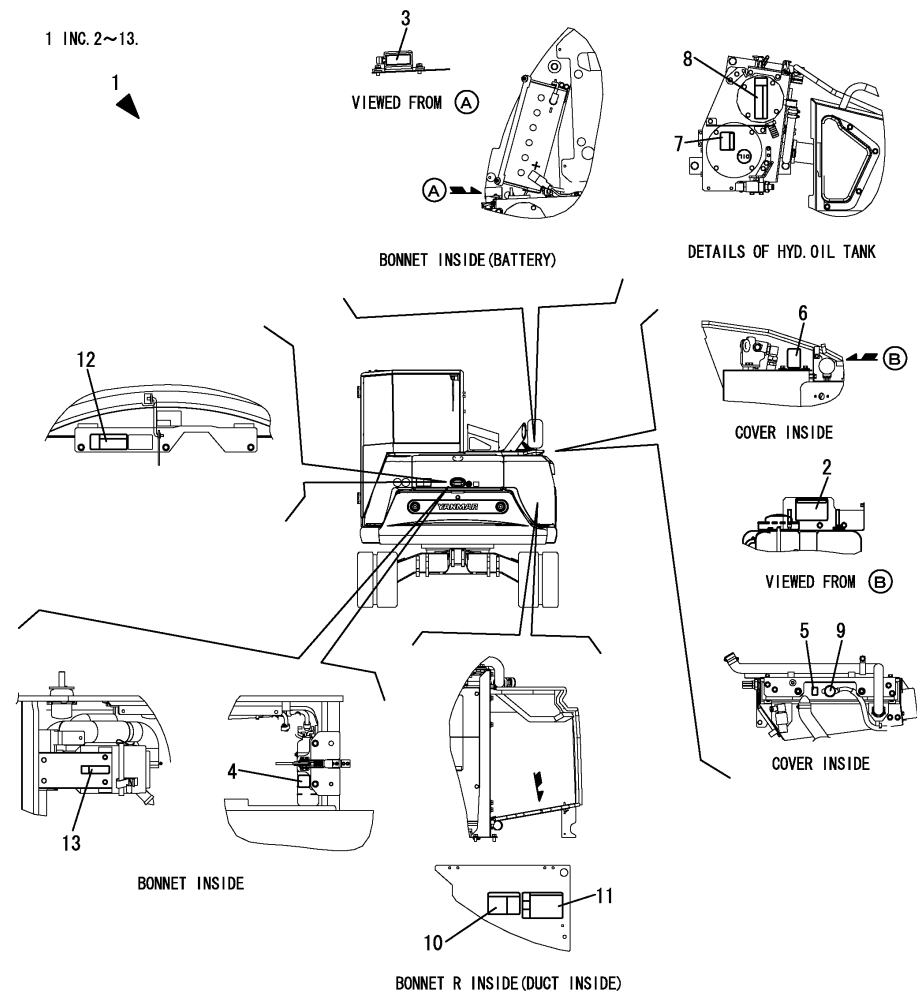
Fig.176. (1A)LABEL(EXTERIOR)(FROM MAF001)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08121	LABEL SET, EXT EX D	1							
1-1	1	172B11-08122	LABEL SET,OUT EX D	1						S	
(A=MAF001)											
2	2	172B04-03980	LABEL, REFLECTOR M	2							
3	2	172B11-04790	LABEL, REAR 80	1							
3-1	2	172A86-03840	LABEL, YANMAR 800 B	1						S	
(A=MAF001)											
4	2	172472-03141	LABEL, SUPPORT	1							
5	2	172A86-03840	LABEL, YANMAR 800 B	2							
6	2	172437-03352	LABEL, GREASE CYL US	2							
7	2	172437-03381	LABEL, SWING AREA	1							
7-1	2	172A64-03380	LABEL, SWING AREA US	1						N	
(A=MAF001)											
8	2	172437-03391	LABEL, RADIATOR	1							
9	2	172B03-03390	LABEL, SILENCER EX	1							
10	2	172437-03402	LABEL, ENGINE COVER	2							
11	2	172A36-03411	LABEL, ENGINE ROOM	1							
12	2	172A36-03411	LABEL, ENGINE ROOM	1							
13	2	172B03-03460	LABEL, GREASE US	1							
14	2	172437-03501	LABEL, FUEL US	1							
15	2	172437-03511	LABEL, LIFTING	3							
15-1	2	172437-03511	LABEL, LIFTING	1						K	
(A=MAG679)											
16	2	172187-03941	LABEL, BOOM US	2							
17	2	114110-07761	LABEL, FUEL CAUTION	1							
18	2	172B11-03470	LABEL, MODEL VIO80 R	1							
19	2	172B11-03480	LABEL, MODEL VIO80 L	1							
19A	2	172B11-03260	LABEL,WEIGHT	1						W	
(A=MAF001)											
19B	2	172B03-03930	LABEL,TIE-DOWN	2						W	
(A=MAG679)											
19C	2	172B03-03940	LABEL,LIFTING & TIE	2						W	
(A=MAG679)											
20	1	172B36-03100	EMBLEM ASSY, FY L5 Y	1							





No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08370	LABEL SET,IN KR T4	1							
2	2	172A69-03130	LABEL, GREASING US	1							
3	2	172B11-03170	LABEL, LF	1							
4	2	172A38-03201	LABEL, SUB TANK	1							
5	2	172A38-03211	LABEL, ANTI-FREEZING	1							
6	2	172A69-03270	LABEL, PTO SELECT	1							
7	2	172463-03290	LABEL, OILING US	1							
8	2	172437-03322	LABEL, RESERVOIR US	1							
9	2	172462-03320	LABEL, RADIATOR	1							
10	2	172A69-03350	LABEL, BATTERY COVER	1							
11	2	172437-03361	LABEL, BATTERY	1							
12	2	172B03-03390	LABEL, SILENCER EX	1							
13	2	172125-03951	LABEL, AIR CLEANER	1							

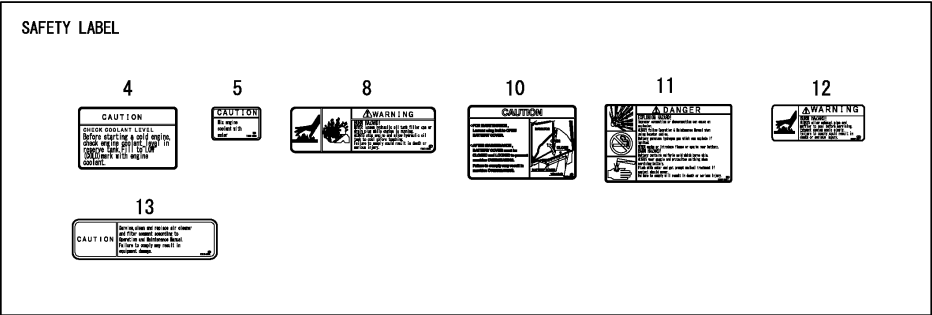
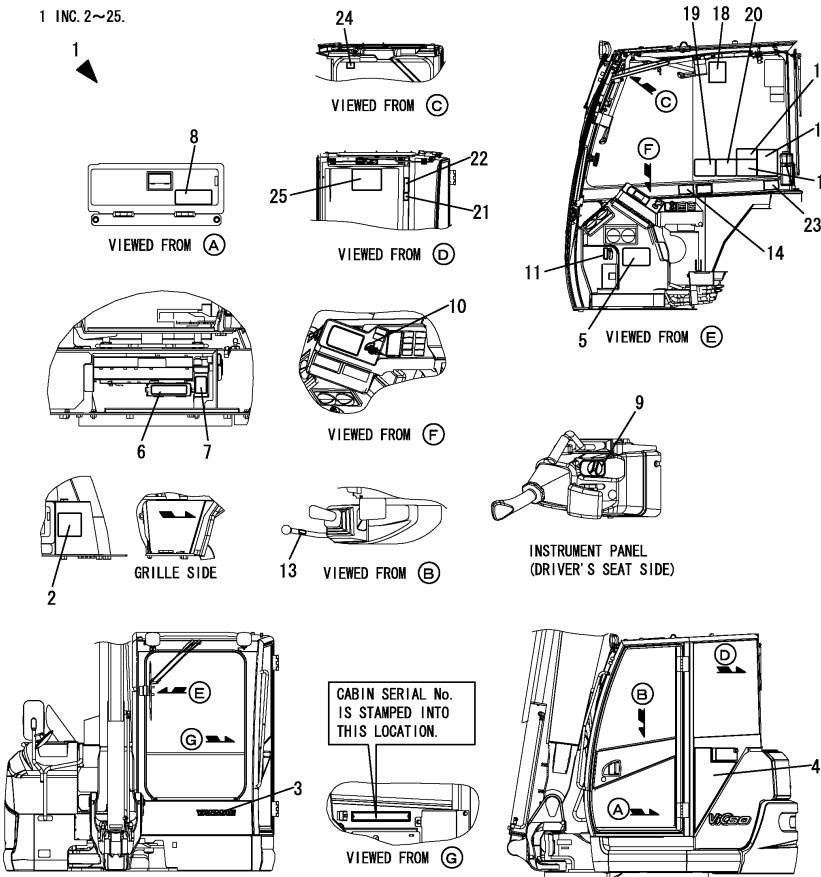


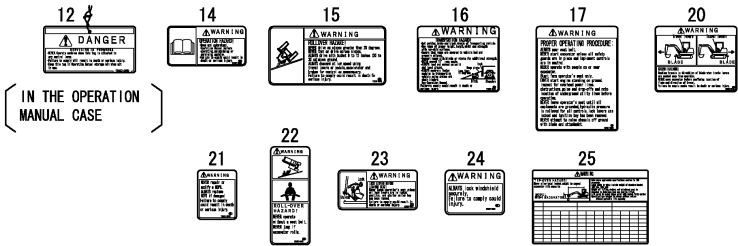
Fig.3. LABEL(CABIN)(TO MAF000)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



SAFETY LABEL



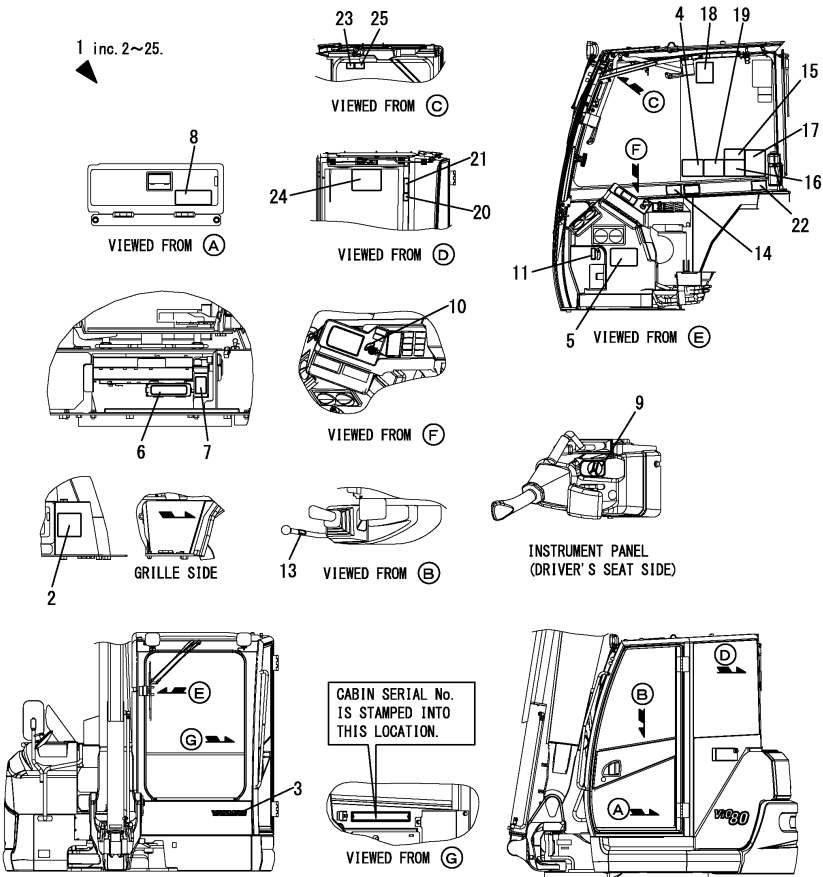
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08430	LABEL SET,CAB KR T4	1							
2	2	172463-03281	LABEL,ADJUST CRAWLER	1							1
3	2	172B11-03300	LABEL,BRAND LOGO 315	1							
4	2	172B11-03310	LABEL, CABIN SIDE	1							
5	2	172B11-03110	LABEL, OIL&WATER T4	1							
6	2	172B11-03130	LABEL, RELAY BOX	1							
7	2	172B11-03150	LABEL, FUSE BOX T4	1							
8	2	172B11-03180	LABEL, SPEC. US T4	1							
9	2	172A69-03220	LABEL, ACCELERATOR	1							
10	2	172B03-03220	LABEL, KEY SWITCH	1							
11	2	172B03-03240	LABEL, AIR SELECT	1							
12	2	172437-03252	TAG ASSY, CAUTION	1							
13	2	172183-03280	LABEL, LOCK	1							
14	2	172437-03302	LABEL, MANUAL	1							
15	2	172437-03312	LABEL, SLOPE	1							
16	2	172437-03343	LABEL, TRANSPORT	1							
17	2	172437-03372	LABEL, NEUTRAL	1							
18	2	172B04-03370	LABEL, DPF EX	1							
19	2	172B11-03400	LABEL, OPERATION	1							
20	2	172437-03432	LABEL, STEERING	1							
21	2	172437-03441	LABEL, ROPS US	1							
22	2	172437-03451	LABEL, SEAT BELT	1							
23	2	172437-03471	LABEL, LEVER LOCK US	1							
24	2	172437-03551	LABEL, WINDOW US	1							
25	2	172B11-03860	LABEL, LIFT Q US	1							

Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Rubber crawler specification.

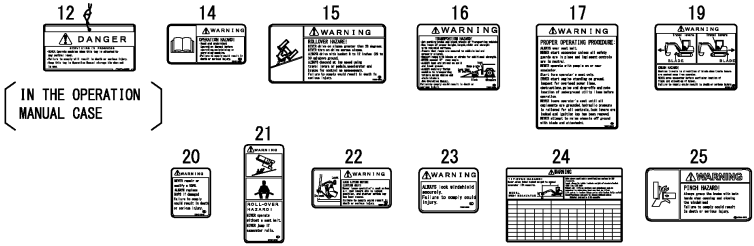
Fig.177. (3A)LABEL(CABIN)(FROM MAF001)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



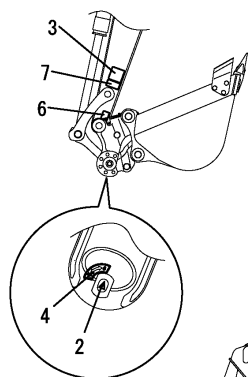
SAFETY LABEL



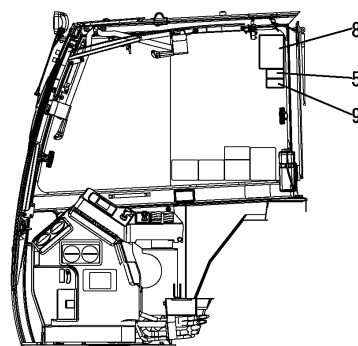
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08431	LABEL SET,CAB KR T4D	1							
2	2	172463-03281	LABEL,ADJUST CRAWLER	1							1
3	2	172A86-03480	LABEL, YANMAR 280 W	1							
4	2	172B11-03400	LABEL, OPERATION	1							
5	2	172B11-03110	LABEL, OIL&WATER T4	1							
6	2	172B11-03130	LABEL, RELAY BOX	1							
7	2	172B11-03150	LABEL, FUSE BOX T4	1							
8	2	172B11-03180	LABEL, SPEC. US T4	1							
9	2	172A69-03220	LABEL, ACCELERATOR	1							
10	2	172B03-03220	LABEL, KEY SWITCH	1							
11	2	172B03-03240	LABEL, AIR SELECT	1							
12	2	172437-03252	TAG ASSY, CAUTION	1							
13	2	172183-03280	LABEL, LOCK	1							
14	2	172437-03302	LABEL, MANUAL	1							
15	2	172437-03312	LABEL, SLOPE	1							
16	2	172437-03343	LABEL, TRANSPORT	1							
17	2	172437-03372	LABEL, NEUTRAL	1							
18	2	172B04-03370	LABEL, DPF EX	1							
19	2	172437-03432	LABEL, STEERING	1							
20	2	172437-03441	LABEL, ROPS US	1							
21	2	172437-03451	LABEL, SEAT BELT	1							
22	2	172437-03471	LABEL, LEVER LOCK US	1							
23	2	172437-03551	LABEL, WINDOW US	1							
24	2	172B11-03860	LABEL, LIFT Q US	1							
25	2	172B11-03970	LABEL, PINCH US	1							W
(A=MAF051)											

Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Rubber crawler specification.

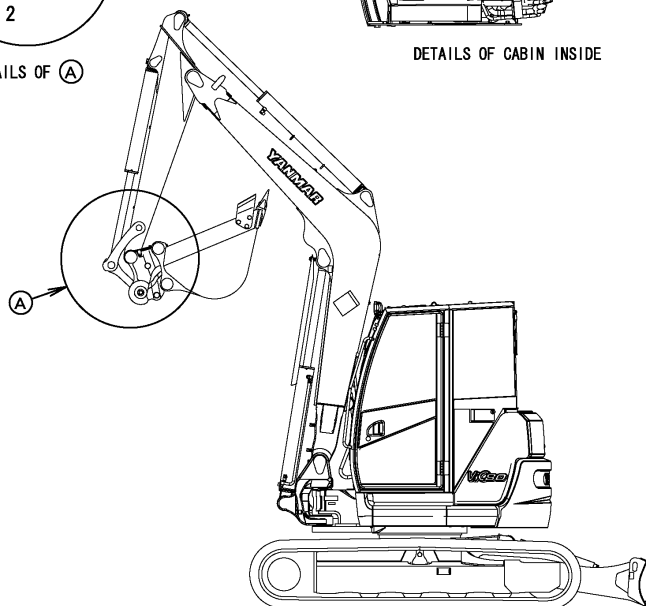
Fig.4. LABEL(QUICK COUPLER)



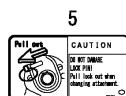
DETAILS OF (A)



DETAILS OF CABIN INSIDE



SAFETY LABEL



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172B03-08200	LABEL SET, QUICK EX	1					
2	2	172958-03160	LABEL	1					
3	2	172472-03230	LABEL, OPERATION	1					
4	2	172458-03240	LABEL, LOCK	1					
5	2	172472-03241	LABEL, PIN US	1					
6	2	172472-03261	LABEL, FINGER	1					
7	2	172472-03330	LABEL, LOCK PIN	1					
8	2	172B03-04400	LABEL, WARNING HITCH	1					
9	2	172B03-04410	LABEL, SAND US	1					

Fig.5. ACCESSORY

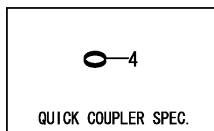
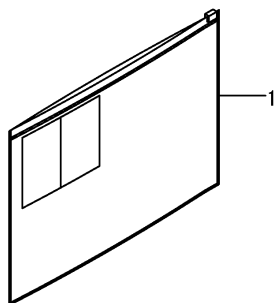
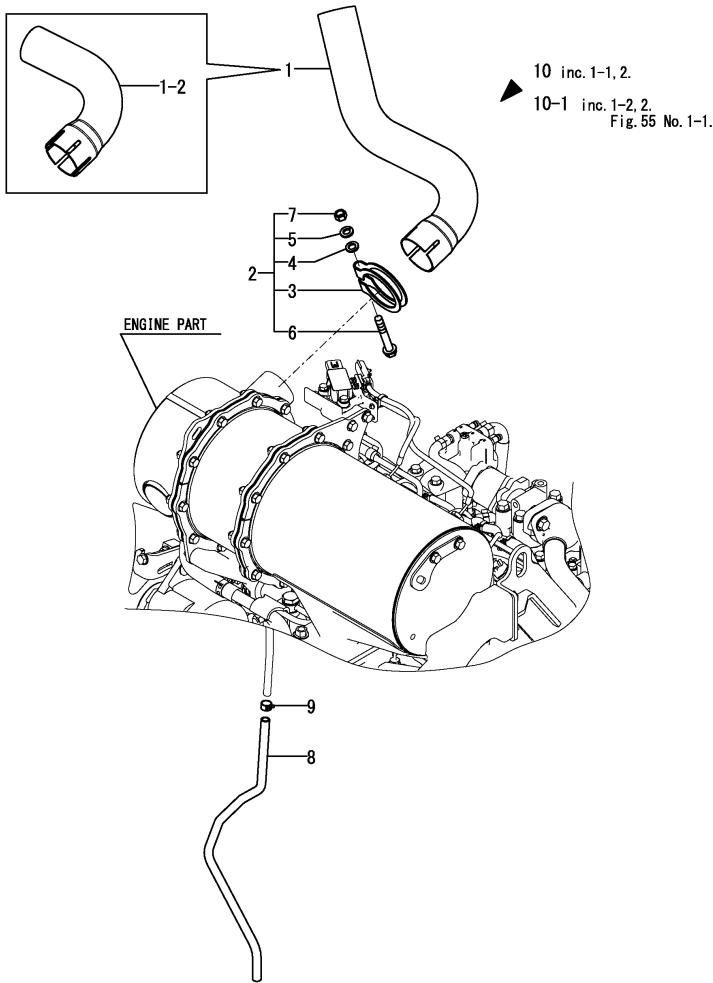
[illegible]

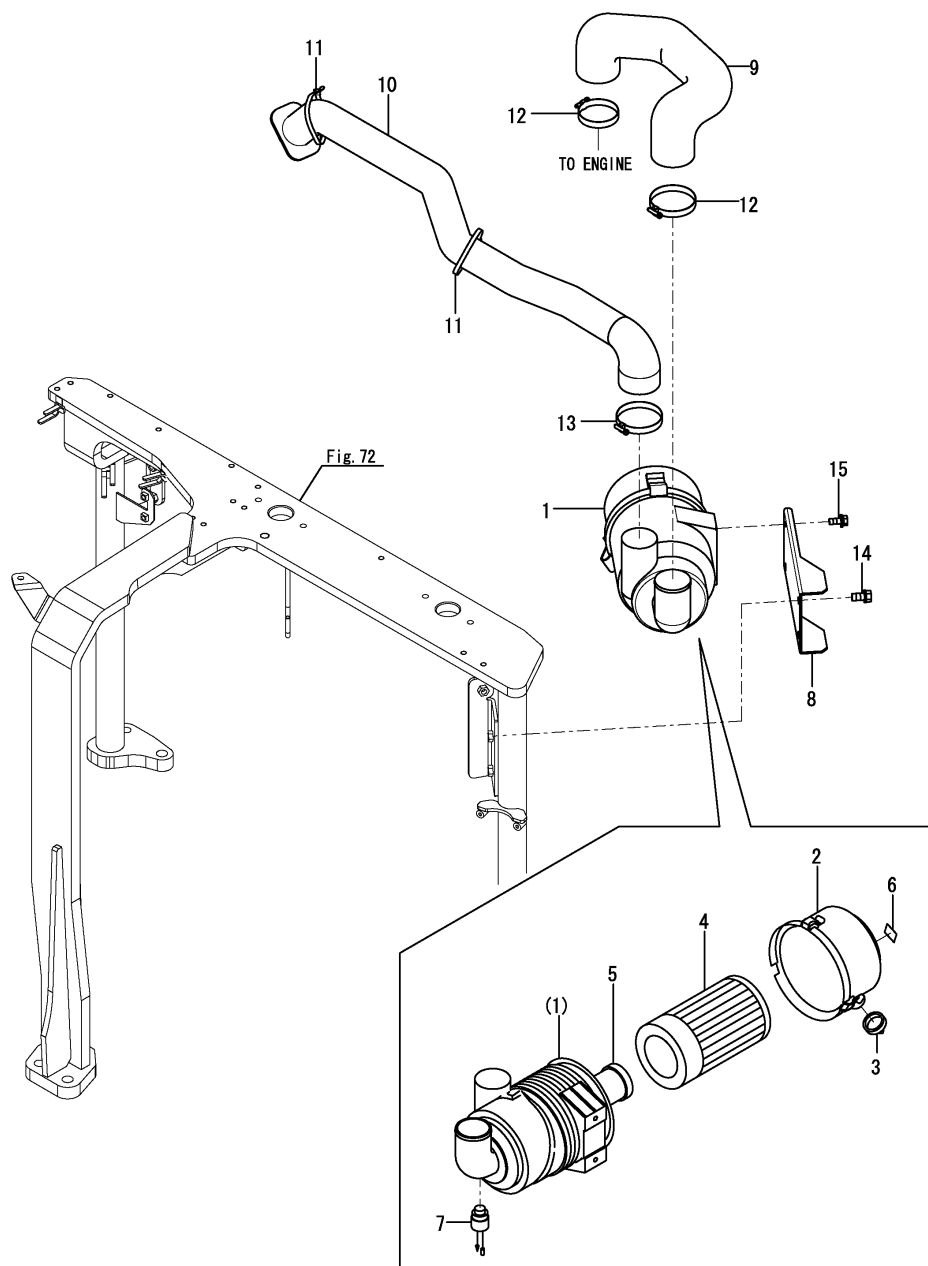
Fig.6. SILENCER



0CK50-M00640 Fig.6												
				(A)=VIO80-1A C(KR)	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172B11-11300	PIPE, EXHAUST	1								
1-1	1	172B11-11301	PIPE,EXHAUST	1						N		
(A=M1B039)												
1-2	1	172B11-11302	PIPE,EXHAUST	1						S		
(A=MAG539)												
2	1	172B11-11350	CLAMP ASSY, SILENCER	1								
3	2	172B11-11360	CLAMP	1								
4	2	22117-100000	WASHER, 10	1								
5	2	22217-100000	WASHER, SPRING 10	1						Z		
(A=M1B039)												
6	2	26106-100652	BOLT, M10X 65 PLATED	1								
7	2	26716-100002	NUT, M10	1								
7-1	2	26366-100002	NUT, M10	1						N		
(A=M1B039)												
8	1	172B11-11390	PIPE, DRAIN	1								
9	1	124766-59050	CLAMP, HOSE 11.5	8								
9-1	1	124766-59050	CLAMP, HOSE 11.5	1						K		
(A=M1B039)												
10	1	172B11-08810	CLAMP KIT, PIPE	1							1	
10-1	1	172B11-08811	CLAMP KIT, PIPE	1						S	2	
(A=MAG539)												

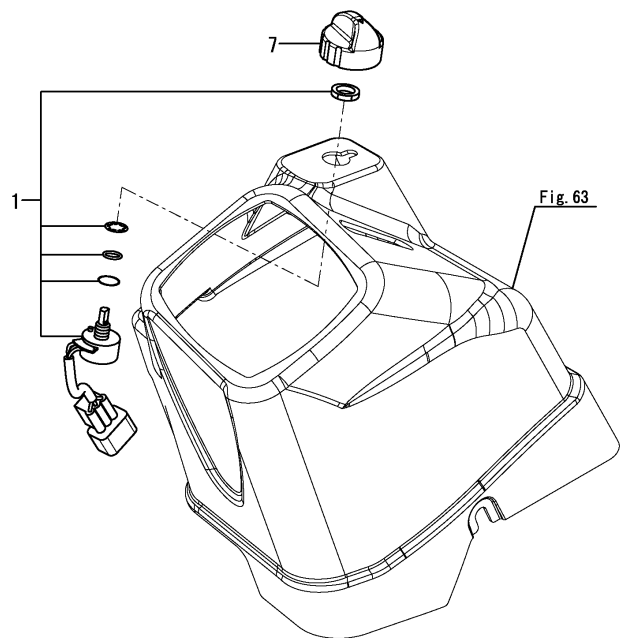
Remarks
(1)Include No.1-1, No.2.
(2)Include No.1-2, 2 & Fig.55 No.1-1.

Fig.7. AIR CLEANER

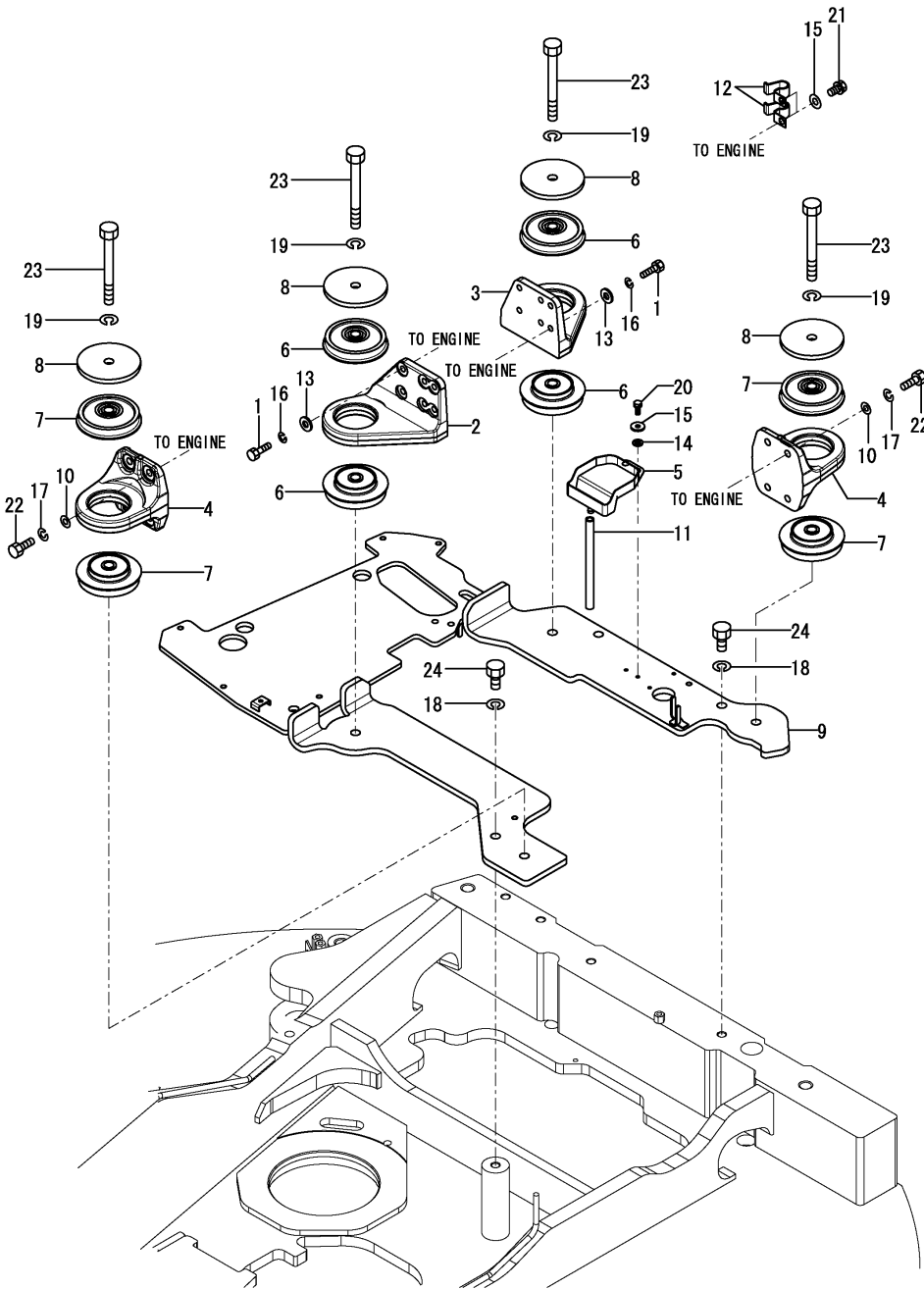


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-11510	CLEANER ASSY, AIR	1							
2	2	119160-12530	COVER ASSY, CLEANER	1							
3	2	119160-12540	VALVE, VACUATOR	1							
4	2	119160-12560	ELEMENT, OUTER	1							
5	2	119160-12570	ELEMENT, INNER	1							
6	2	129612-12650	LABEL, MARKING	1							
7	2	119140-12680	INDICATOR, CLEANER	1							
8	1	172A69-11530	BRACKET, CLEANER	1							
9	1	172B11-11550	HOSE, AIR INTAKE A	1							
10	1	172B11-11560	HOSE ASSY, B	1							
11	1	172122-79890	CLAMP, HOSE 350	2							
12	1	23000-080000	CLAMP, 80	2							
13	1	23000-090000	CLAMP, 90	1							
14	1	26013-100202	BOLT, M10X 20	2							
15	1	26014-080202	BOLT, M8X 20	2							

Fig.8. ACCELERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-12100	VOLUME ASSY, ACCEL.	1							
7	1	172A69-12120	KNOB ASSY, ACCEL.	1							



(A)=VIO80-1A C(KR)
(B)=
(C)=

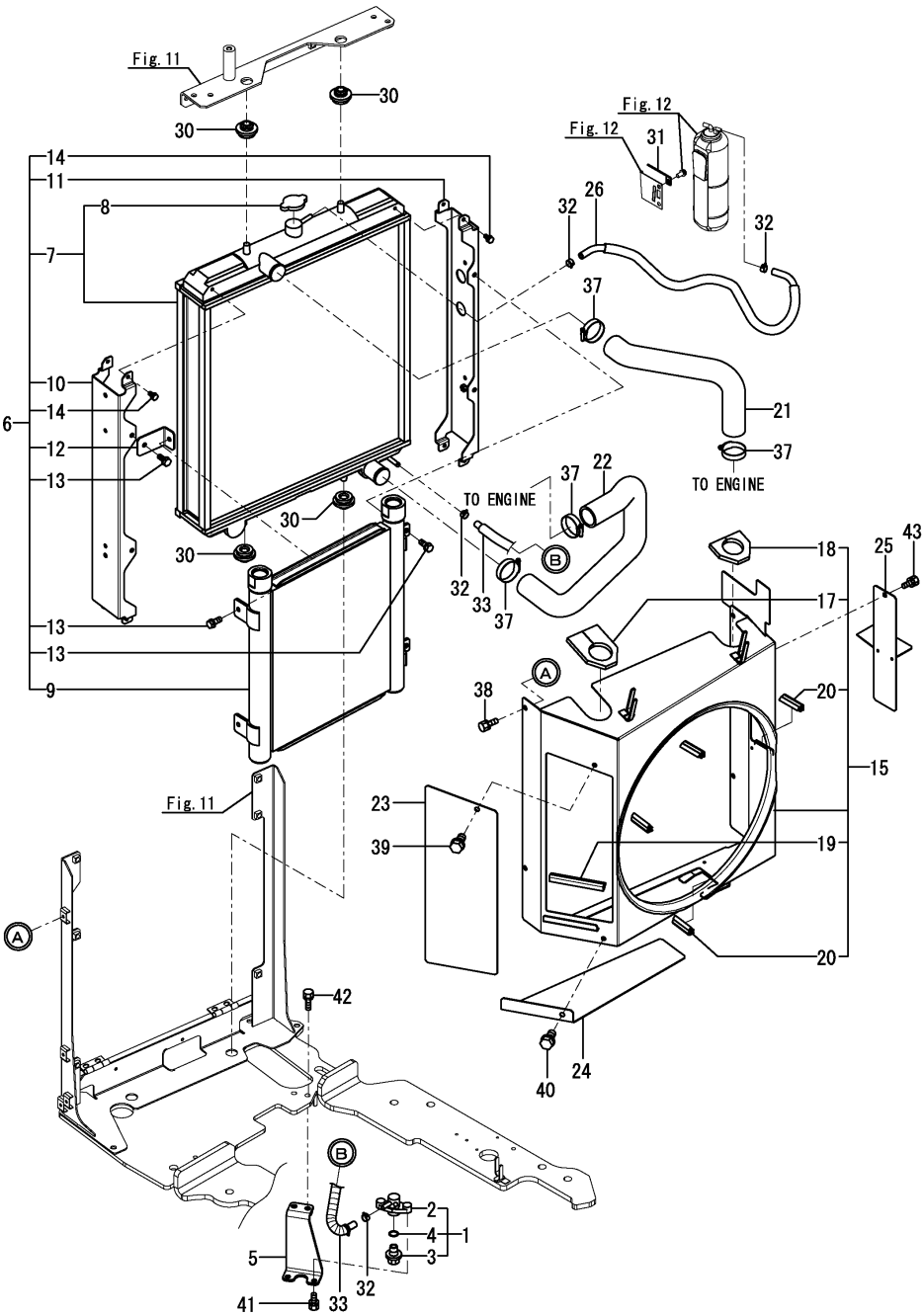
(D)=
(E)=
(F)=

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	172B11-13100	BRACKET, RR	1							
3	1	172B11-13110	BRACKET, RL	1							
4	1	172B11-13120	BRACKET, F	2							
5	1	172A89-13150	OIL PAN	1							
6	1	172B11-13150	MOUNT, ENGINE F	4							
7	1	172B11-13160	MOUNT, ENGINE R	4							
8	1	172B11-13170	STOPPER, 17X115X9	4							
9	1	172B11-13200	PLATE ASSY, BASE	1							
10	1	172165-13220	WASHER	8							
11	1	172137-14282	HOSE, FUEL GAUGE	1							
12	1	172112-16650	CLAMP	2							
13	1	172137-46042	SEAT, SPRING 10.5	12							
14	1	22117-060000	WASHER, 6	2							
15	1	22157-060000	WASHER, 6	2							
16	1	22217-100000	WASHER, SPRING 10	12							
17	1	22217-120000	WASHER, SPRING 12	8							
18	1	22217-160000	WASHER, SPRING 16	4							
19	1	22217-160000	WASHER, SPRING 16	4							
20	1	26013-060162	BOLT, M6X 16	2							
21	1	26013-100162	BOLT, M10X 16	2							
22	1	26076-120302	BOLT, 10.912X 30	8							
23	1	26076-161302	BOLT, 10.916X130	4							
24	1	26116-160352	BOLT, M16X 35 PLATED	4							

(A)=VIO80-1A C(KR)
(B)=
(C)=

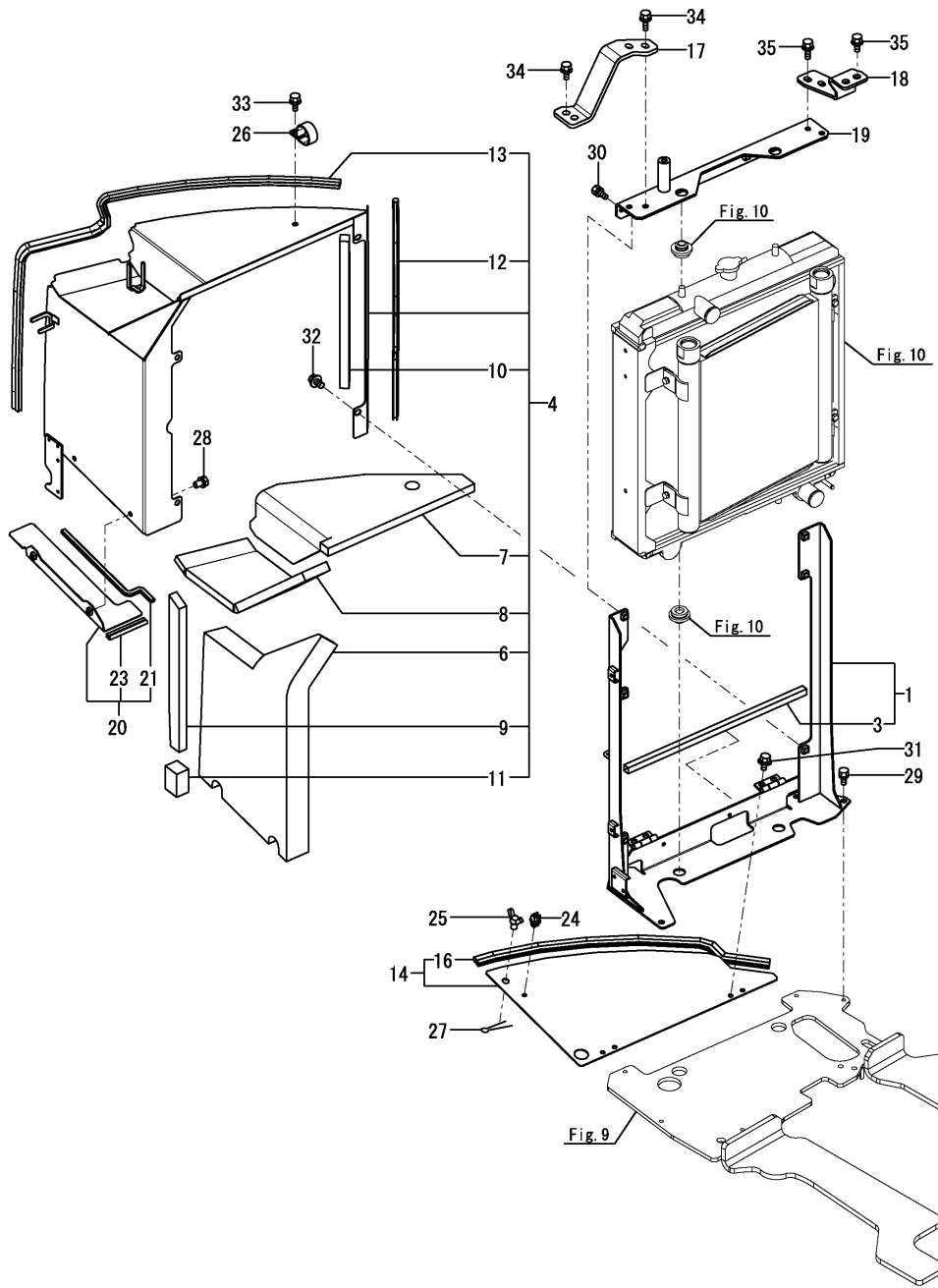
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-13210	COCK ASSY, 2WAY	1							
2	2	172444-13220	BODY	1							
3	2	121250-49121	PLUG, DRAIN M16	1							
4	2	24311-000160	O-RING, 1AP16.0	1							
5	1	172A69-13230	PLATE ASSY, COCK	1							
6	1	172B11-13300	RADIATOR ASSY	1							
7	2	172B11-13310	RADIATOR ASSY, SUB	1							
8	3	129107-44590	CAP, RADIATOR	1							
9	2	172B11-13320	COOLER ASSY, OIL	1							
10	2	172B11-13330	SUPPORT ASSY	1							
11	2	172B11-13340	SUPPORT ASSY	1							
12	2	172B11-13350	BRACKET	2							
13	2	172A89-13360	BOLT, M8	6							
14	2	172A89-13370	BOLT, M6	8							
15	1	172B11-13500	SHROUD ASSY	1							
17	2	172A89-13550	PAD, SHROUD A	1							
18	2	172B11-13560	SPONGE, SEAL	1							
19	2	172458-61500	RUBBER, SEAL 120	1							
20	2	172458-61510	RUBBER, SEAL 55	2							
21	1	172B11-13570	HOSE, WATER A	1							
22	1	172B11-13580	HOSE, WATER B	1							
23	1	172A89-13800	COVER, SHROUD A	1							
24	1	172A89-13810	COVER, SHROUD B	1							
25	1	172A89-13820	COVER ASSY, SHROUD C	1							
26	1	172A46-14610	HOSE ASSY, FUEL 520	1							
30	1	184015-44680	RUBBER, RADIATOR	4							
31	1	1A1686-57850	CLAMP, 80	1							
32	1	124766-59050	CLAMP, HOSE 11.5	4							
33	1	184014-59450	PIPE ASSY, FUEL 550	1							
37	1	23001-048000	CLAMP, HOSE 48	4							
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	2							
42	1	26013-100302	BOLT, M10X 30	2							
43	1	26014-080162	BOLT, M8X 16	1							

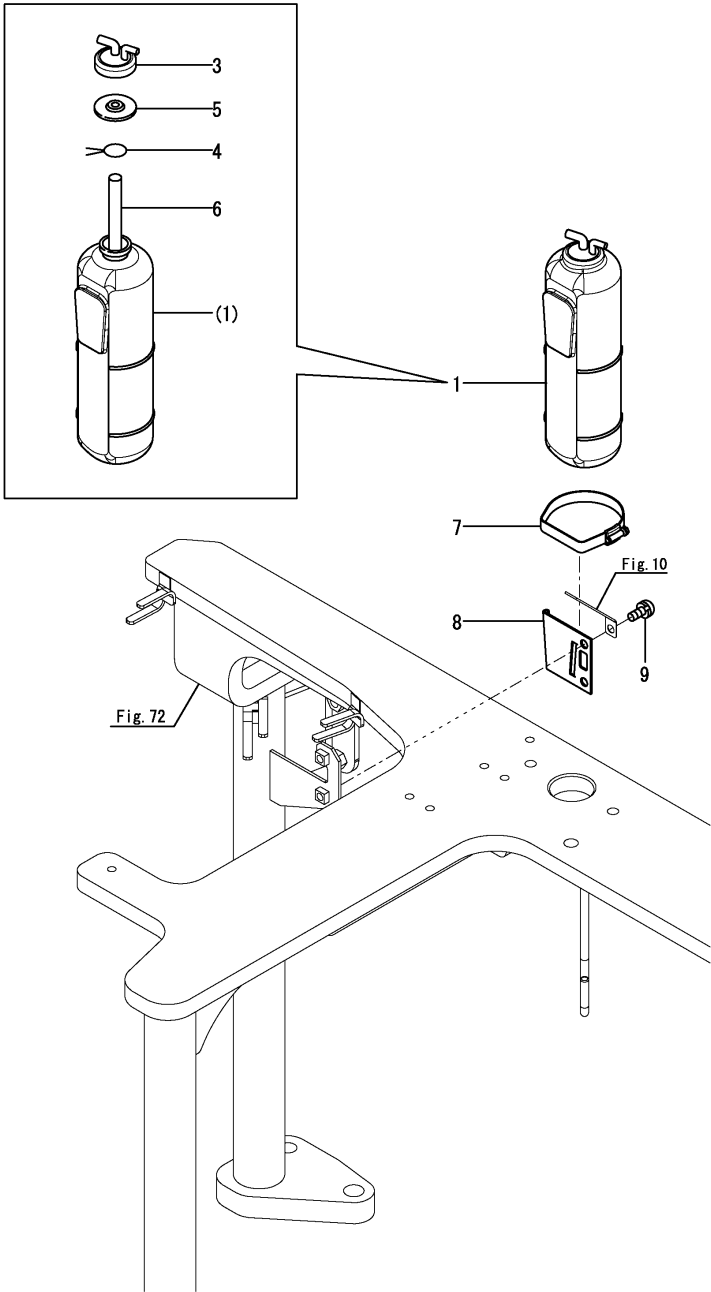


(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-13400	BRACKET ASSY	1							
3	2	172499-13750	SEAL, DUCT A	1							
4	1	172B11-13600	DUCT ASSY, RADIATOR	1							
6	2	172B11-13700	SPONGE, DUCT A	1							
7	2	172B11-13710	SPONGE, DUCT B	1							
8	2	172B11-13720	SPONGE, DUCT C	1							
9	2	172B11-13730	SPONGE, DUCT D	1							
10	2	172B11-13740	SPONGE, DUCT E	1							
11	2	172B11-13790	SPONGE, DUCT F	1							
12	2	172A64-64940	SEAL, 560	1							
13	2	172A64-65160	SEAL, 1170	1							
14	1	172B11-13750	COVER ASSY, DUCT	1							
16	2	172A89-65850	RUBBER, SEAL 670	1							
17	1	172B11-13830	STAY, RADIATOR A	1							
18	1	172B11-13840	STAY, RADIATOR B	1							
19	1	172B11-13860	BRACKET ASSY, RAD U	1							
20	1	172B11-13930	SUPPORT ASSY, DUCT	1							
21	2	172638-06710	RUBBER, CUSHION 300	1							
23	2	172164-66800	RUBBER, SEAL 60	1							
24	1	1A7400-61250	HOLDER, ROD 8	1							
25	1	172142-62301	WING BOLT, M10X20	1							
26	1	172146-78150	PLATE, CLAMP A	1							
27	1	22417-320200	PIN, COTTER 3.2X20	1							
28	1	26013-080122	BOLT, M8X 12	2							
29	1	26013-100202	BOLT, M10X 20	4							
30	1	26013-100202	BOLT, M10X 20	2							
31	1	26014-080162	BOLT, M8X 16	4							
32	1	26014-100202	BOLT, M10X 20	4							
33	1	26014-100202	BOLT, M10X 20	1							
34	1	26014-100252	BOLT, M10X 25	4							
35	1	26014-100252	BOLT, M10X 25	4							



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

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

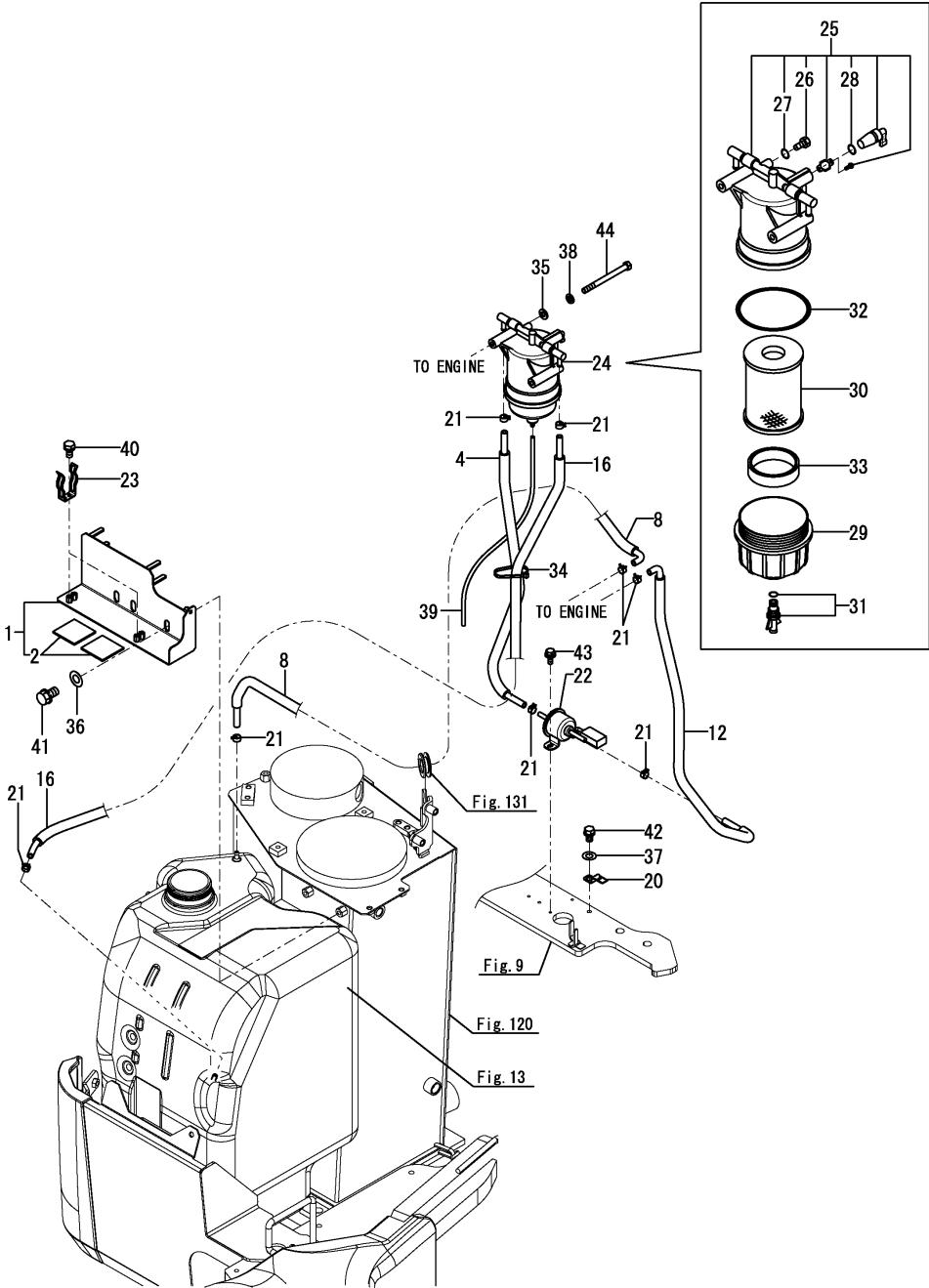
Fig.13. FUEL TANK

(A)=VIO80-1A C(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=MAH218)											
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=MAH218)											
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	22137-100000	WASHER, 10	2							
47	1	26013-100302	BOLT, M10X 30	2							
48	1	26013-100302	BOLT, M10X 30	2							
49	1	26013-100302	BOLT, M10X 30	2							
50	1	26014-100202	BOLT, M10X 20	2							
51	1	26367-100002	NUT, M10	2							

Fig.14. FUEL PIPING

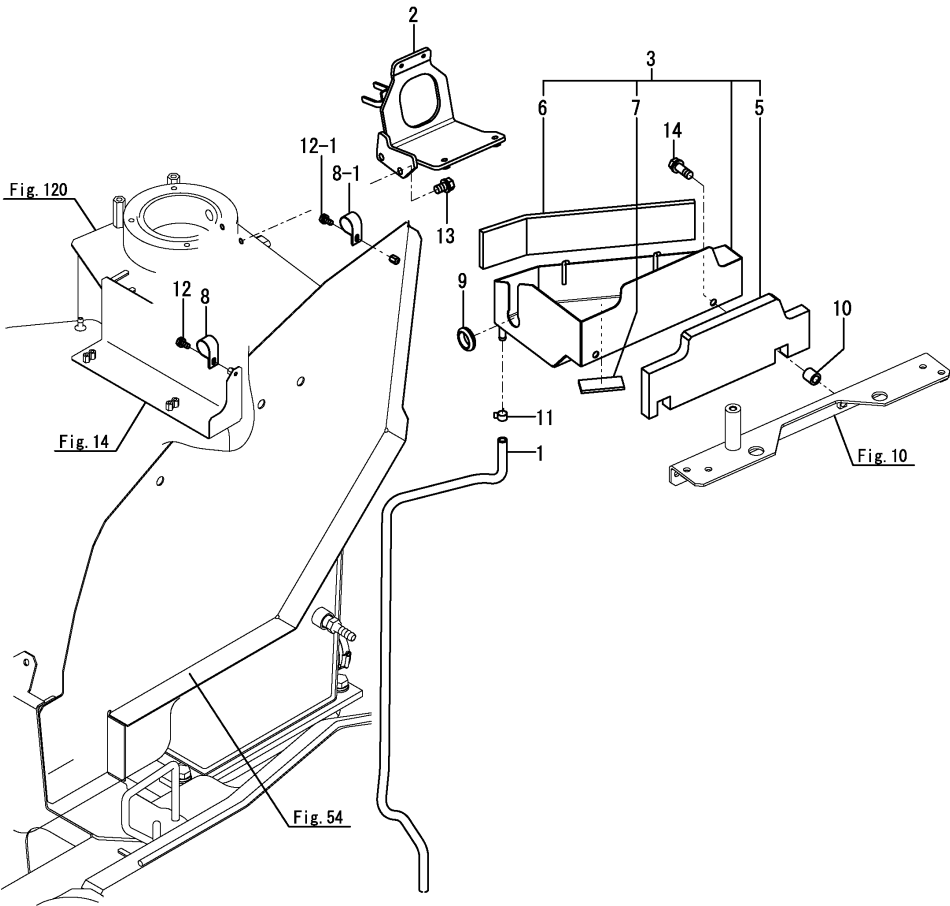


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-14510	BRACKET ASSY, GUN	1							
2	2	172446-14250	PLATE, RUBBER C	2							
4	1	172B11-14700	HOSE ASSY, 850	1							
8	1	172B11-14730	HOSE ASSY, 1700	1							
12	1	172B11-14760	HOSE ASSY, 2600	1							
16	1	172B11-14790	HOSE ASSY, 650	1							
20	1	172460-16700	STAY, A	1							
21	1	106990-44660	CLAMP, HOSE 12.5	8							
22	1	129612-52100	PUMP, FUEL FEED	1							
23	1	172122-55061	PLATE, GREASE PUMP	2							
24	1	129E22-55700	FILTER ASSY,FUEL PRE	1							
25	2	129E00-55710	BODY ASSY	1							
26	3	129A00-55750	PLUG, AIR VENT	1							
27	3	129A00-55760	O-RING	1							
28	3	24311-000110	O-RING, 1AP11.0	1							
29	2	129A00-55720	CUP, CLEAR	1							
30	2	129A00-55730	ELEMENT, FUEL FILTER	1							
31	2	129242-55740	PLUG, DRAIN	1							
32	2	129A00-55740	O-RING	1							
33	2	129A00-55770	FLOAT	1							
34	1	194202-56460	BAND, BINDING 200	1							
35	1	22137-080000	WASHER, 8	2							
36	1	22137-100000	WASHER, 10	2							
37	1	22137-100000	WASHER, 10	1							
38	1	22217-080000	WASHER, SPRING 8	2							
39	1	23061-050500	PIPE, 5X 500	1							
40	1	26013-060122	BOLT, M6X 12	4							
41	1	26013-100162	BOLT, M10X 16	2							
42	1	26013-100162	BOLT, M10X 16	1							
43	1	26014-060162	BOLT, M6X 16	2							
44	1	26116-080952	BOLT, M8X 95 PLATED	2							

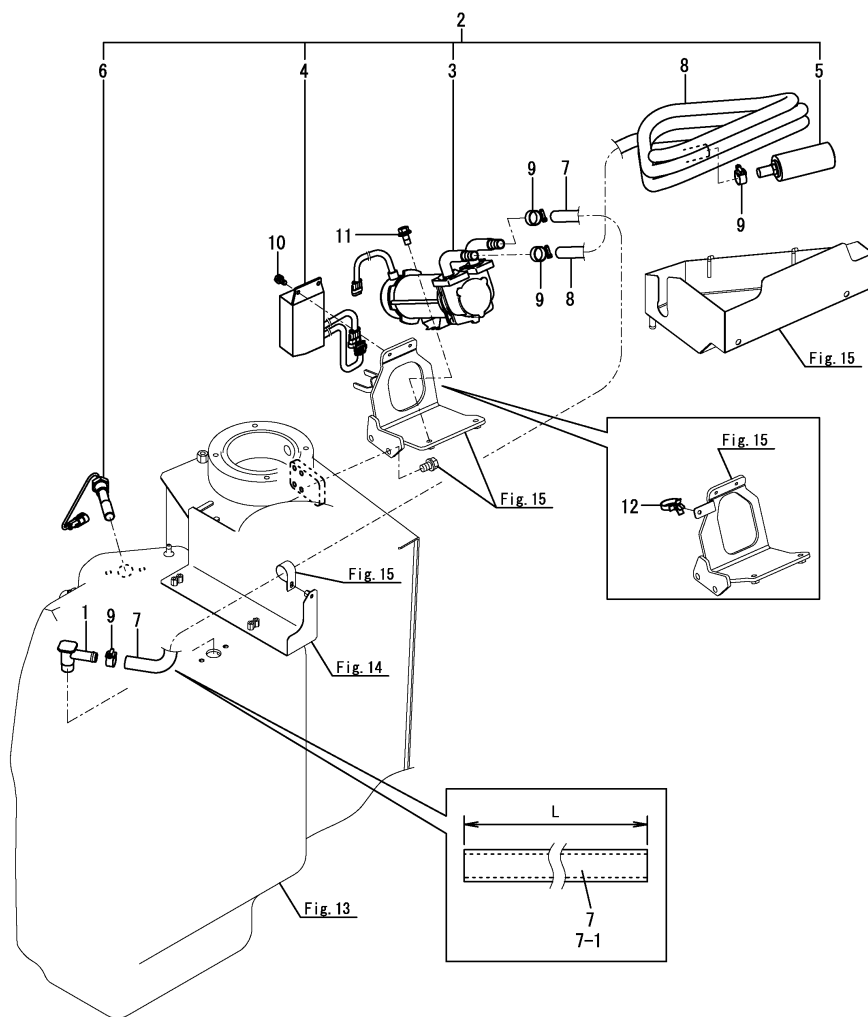
Fig.15. FUEL OUTSIDE SUPPLY PUMP MOUNT

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-14590	HOSE, DRAIN	1							
2	1	172B11-14650	BRACKET ASSY, PUMP	1							
2-1	1	172B11-14651	BRACKET ASSY,FO PUMP	1							N
(A=MAF526)											
3	1	172B11-14690	PLATE ASSY,HOSE	1							
5	2	172B11-14830	SPONGE,HOSE PLATE A	1							
6	2	172B11-14840	SPONGE,HOSE PLATE B	1							
7	2	172A89-61470	PLATE, RUBBER	1							
8	1	172142-16550	CLAMP	1							
8-1	1	172142-16550	CLAMP	2							K
(A=MAF526)											
9	1	172137-66230	GROMMET	1							
10	1	172A47-76460	COLLAR, 12.2X20X20	2							
11	1	23080-013000	CLAMP, 13	1							
12	1	26013-060122	BOLT, M6X 12	1							
12-1	1	26013-060122	BOLT, M6X 12	2							K
(A=MAF526)											
13	1	26013-100162	BOLT, M10X 16	2							
14	1	26013-100402	BOLT, M10X 40	2							

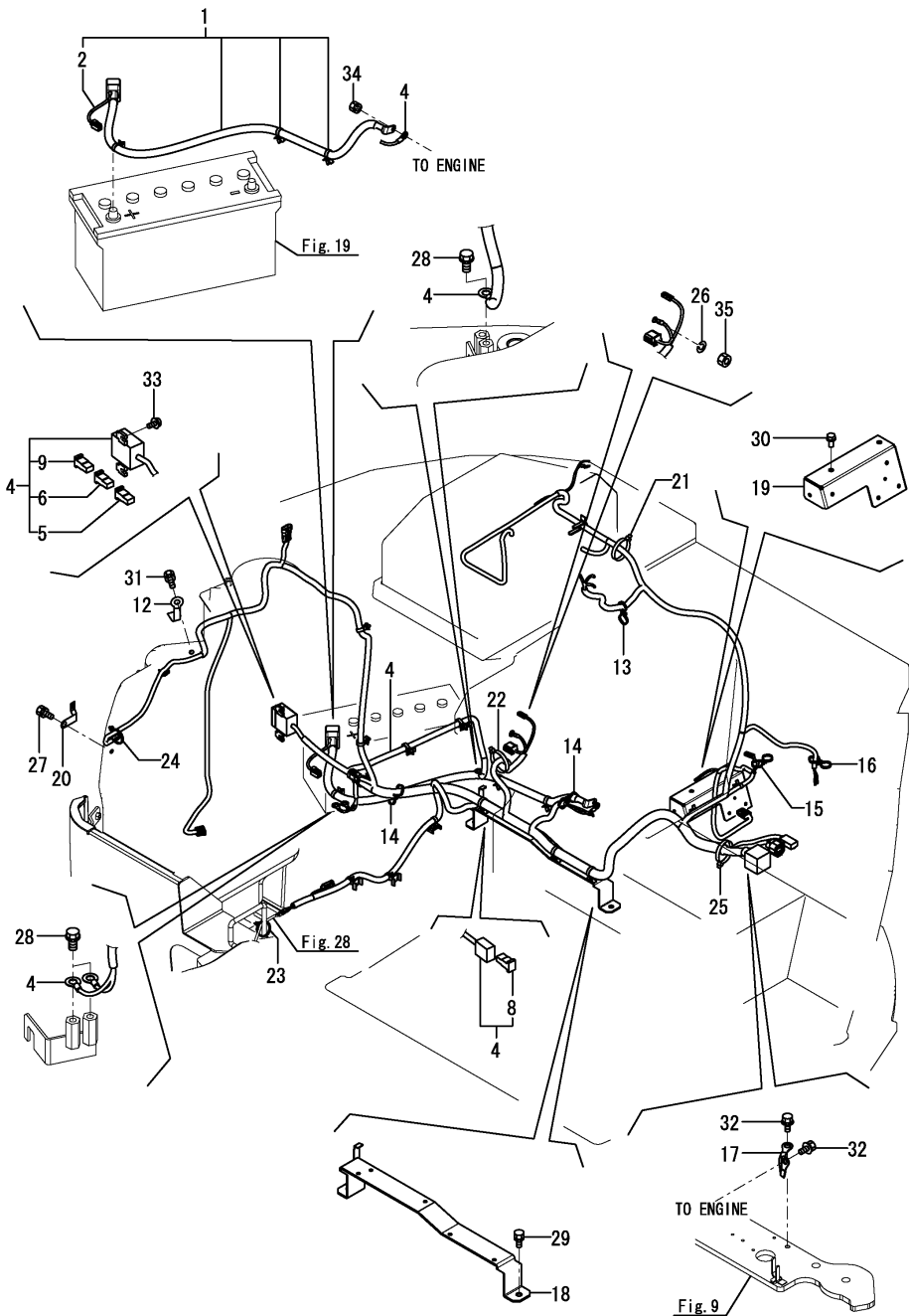


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172A69-14700	NIPPLE,R1/2	1							
2	1	172A69-14851	FO PUMP ASSY	1							
3	2	172A69-14861	PUMP ASSY, FO	1							
4	2	172A69-14871	SWITCH,FO PUMP	1							
5	2	172A69-14880	SUCTION FILTER	1							
6	2	172A69-14890	SWITCH, FLOAT	1							
7	1	172A89-14900	HOSE, FUEL 750	1							
7-1	1	172A89-14901 (A=MAF529)	HOSE, FO 820	2						S	1
8	1	172A69-14910	HOSE,FO 3000	1							
9	1	23001-022000	CLAMP, HOSE 22	4							
10	1	26013-060122	BOLT, M6X 12	2							
11	1	26014-080162	BOLT, M8X 16	2							
12	1	1E8775-84120 (A=MAF529)	CLAMP, BAND B	1						N	

Fig.15 No.2-1, 8-1, 12-1 & Fig.54 No.1-1 interchangeable by set.

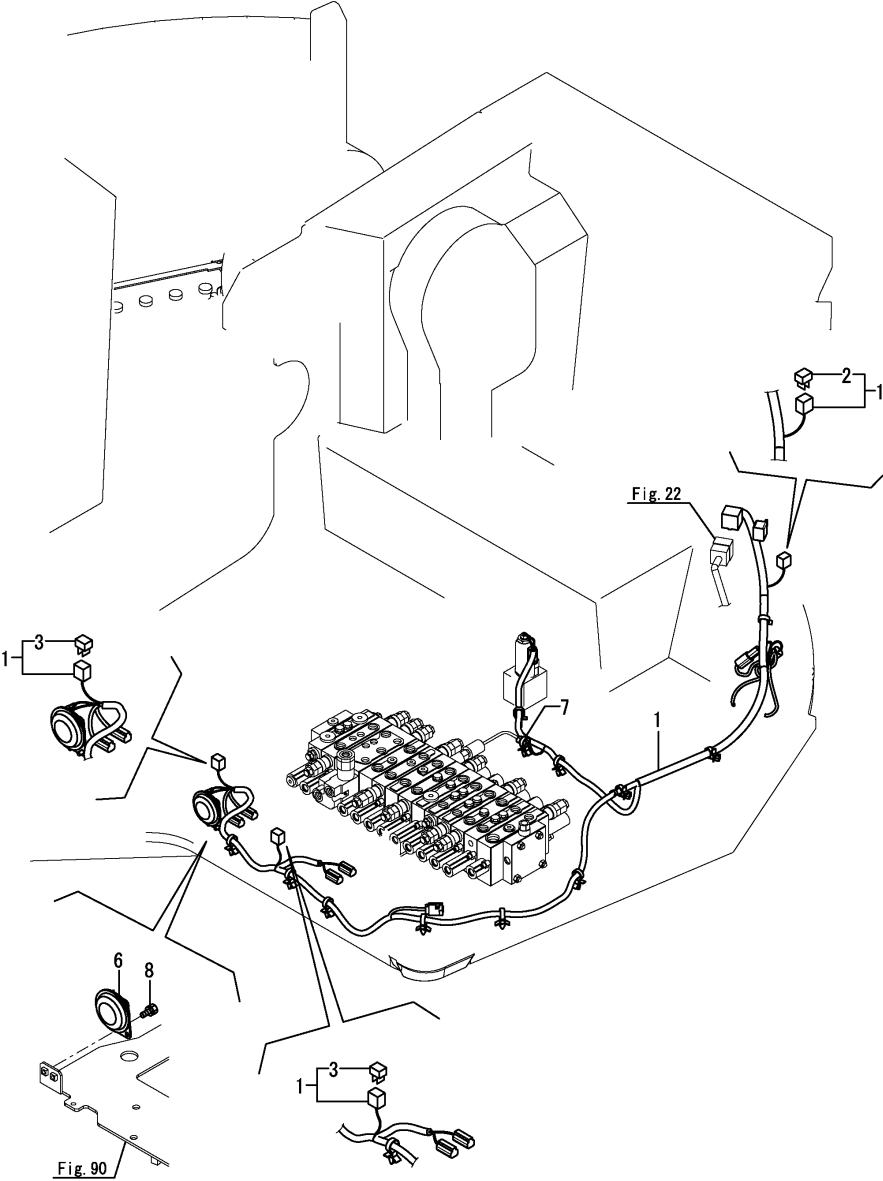
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.17. ENGINE



(A)=VIO80-1A C(KR)
(B)=
(C)=
(D)=
(E)=
(F)=

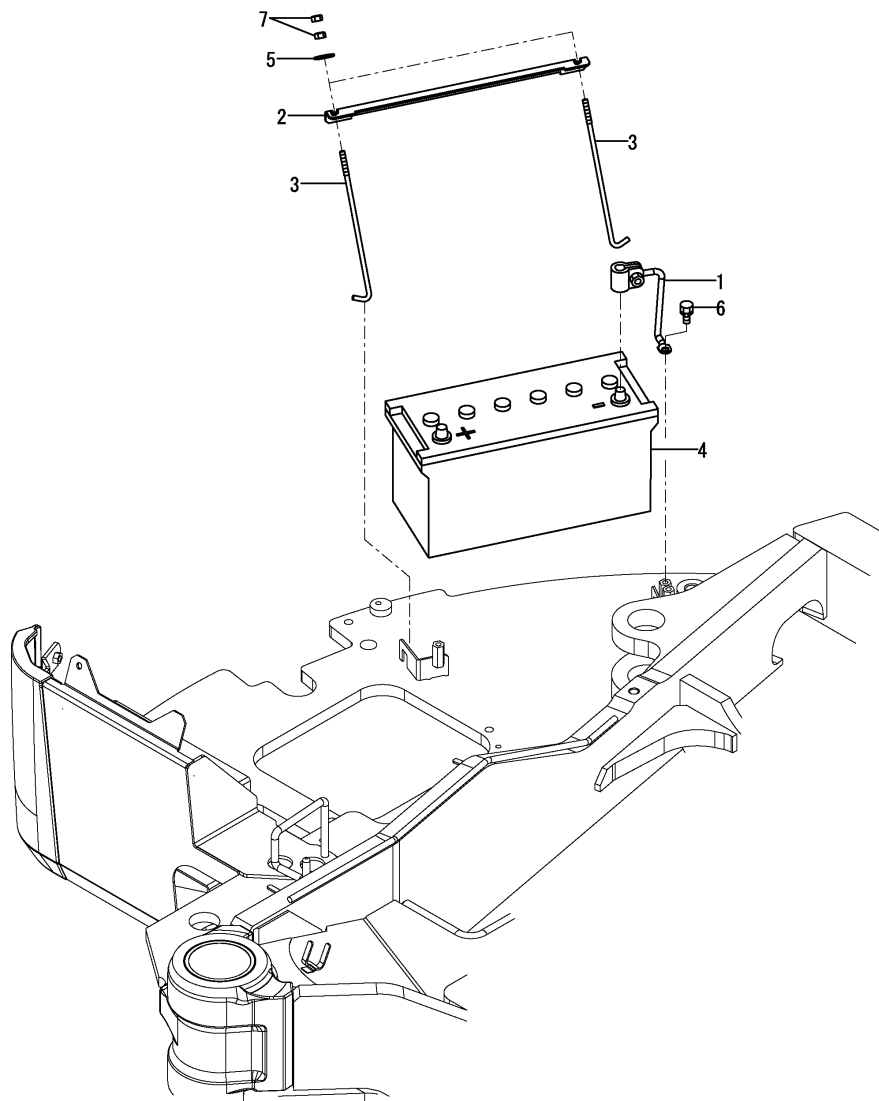
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-16100	CABLE ASSY,BATTERY +	1							
2	2	172B11-16120	HARNESS, BATTERY	1							
4	1	172B11-16501	HARNESS ASSY, WIRE A	1							
4-1	1	172B11-16502	HARNESS ASSY, A	1							N
(A=*2015.10.)											
5	2	1C6900-06180	FUSE, SLOW BLOW 80A	1							
6	2	172A65-16550	FUSE, SLOW BLOW 60A	1							
8	2	1A7810-51750	FUSE, SLOW BLOW 120A	1							
9	2	1E8940-83450	FUSE, SLOW BLOW 100A	1							
12	1	172126-16540	CLAMP, 10X70	1							
13	1	172137-16560	BAND, BINDING W	1							
14	1	172137-16560	BAND, BINDING W	2							
15	1	172137-16560	BAND, BINDING W	1							
16	1	172137-16560	BAND, BINDING W	1							
17	1	172187-16600	CORD, ENGINE EARTH	1							
18	1	172B11-16650	SUPPORT ASSY, B	1							
19	1	172B11-16660	SUPPORT, HARNESS A	1							
20	1	172A69-16700	BRACKET, SWP 2P-M	1							
21	1	194202-56460	BAND, BINDING 200	1							
22	1	194202-56460	BAND, BINDING 200	1							
23	1	194202-56460	BAND, BINDING 200	1							
24	1	194202-56460	BAND, BINDING 200	1							
25	1	194202-56460	BAND, BINDING 200	1							
26	1	22217-080000	WASHER, SPRING 8	1							
27	1	26013-080162	BOLT, M8X 16	1							
28	1	26013-100162	BOLT, M10X 16	3							
29	1	26013-100202	BOLT, M10X 20	2							
30	1	26013-100202	BOLT, M10X 20	2							
31	1	26014-080162	BOLT, M8X 16	1							
32	1	26014-100162	BOLT, M10X 16	2							
33	1	26023-060122	SCREW, M6X12	2							
34	1	26051-080002	NUT, M8	1							
35	1	26716-080002	NUT, M8	1							



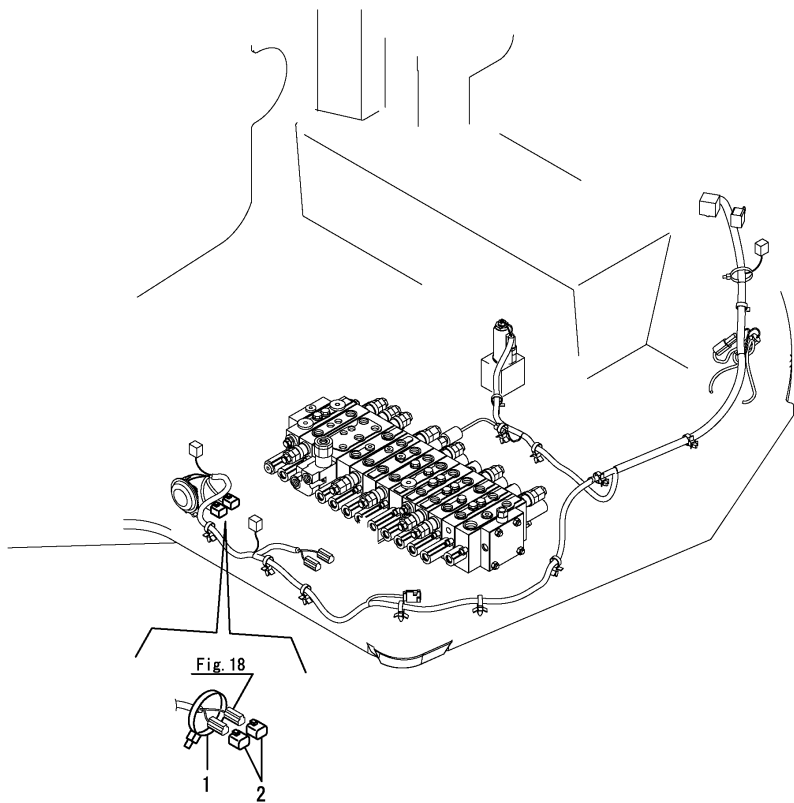
0CK50-M00640 Fig.18

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-16620	HARNESS ASSY, D	1							
2	2	172649-16560	DIODE, 1.5-3PA	1							
3	2	1E8465-83170	DIODE, 090,1.5A	2							
6	1	194151-57100	HORN	1							
7	1	1E8775-84120	CLAMP, BAND B	1							
8	1	26013-060122	BOLT, M6X 12	2							

Fig.19. BATTERY



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172187-16110	CORD, BATTERY MINUS	1							
2	1	172112-16201	RETAINER, BATTERY	1							
3	1	172164-16370	ROD	2							
4	1	1E8080-83321	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							



(A)=VIO80-1A C(KR)

(B)=

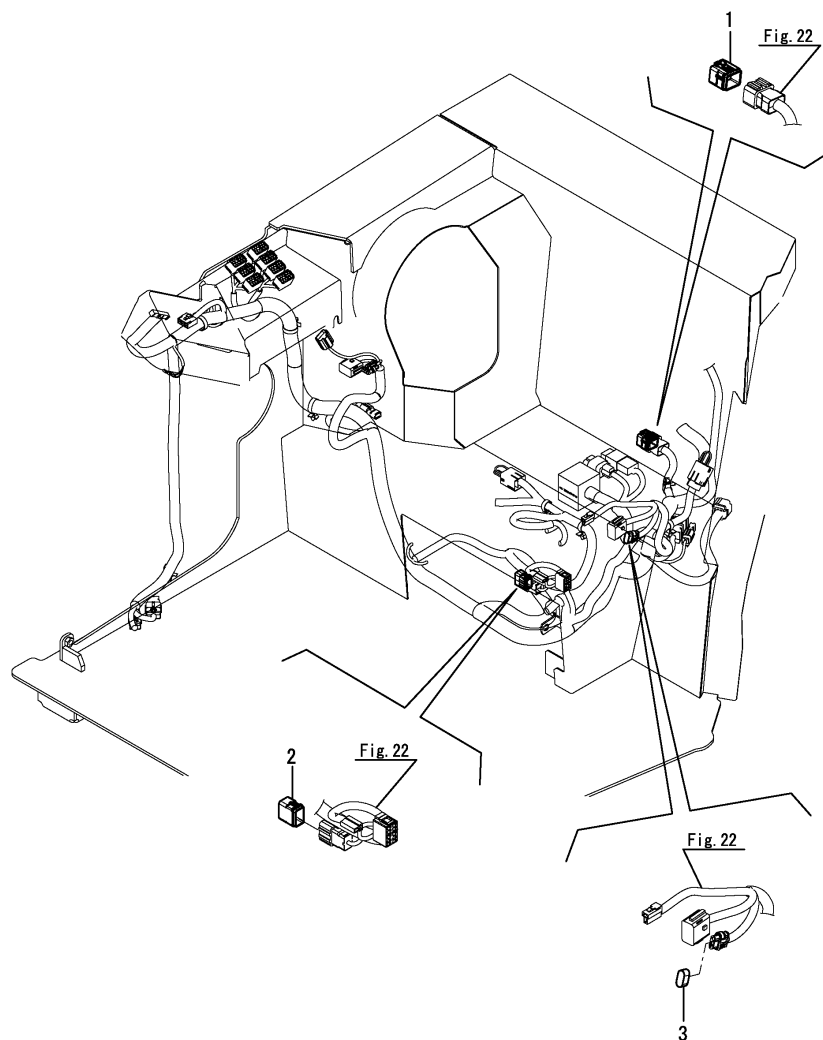
$$(C)=$$

(D)=

$$(E)=$$
$$(F)=$$

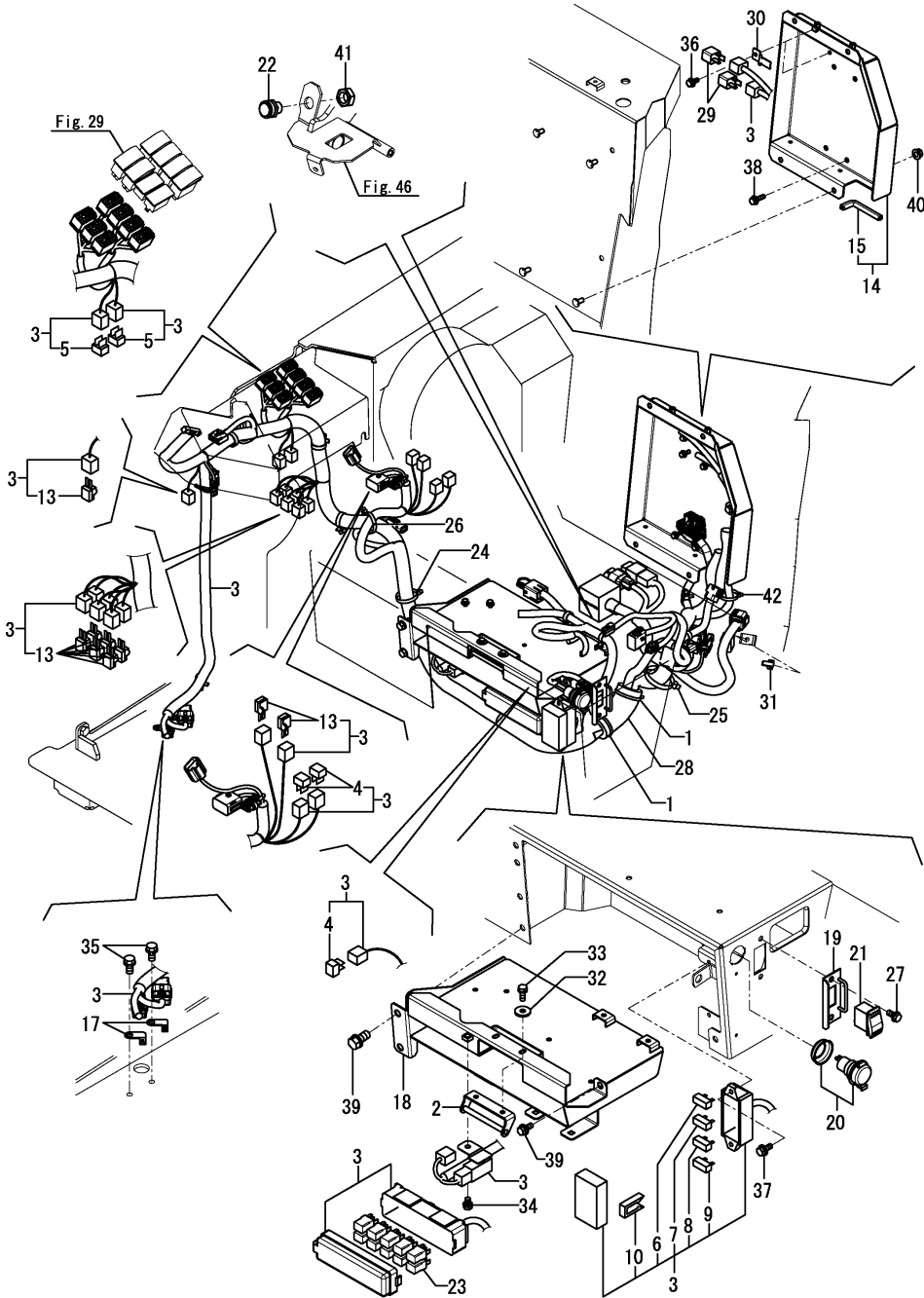
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND, BINDING 300	1							
2	1	172A69-16480	CONNECTOR, DUMMY	2							

Fig.21. COUPLER



				(A)=VIO80-1A C(KR)	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-16840	COUPLER, SWP 12F	1							
2	1	172B11-16850	COUPLER, SWP 8F	1							
3	1	172B11-16810	COUPLER, 282105-1	2							

Fig.22. SEAT MOUNT



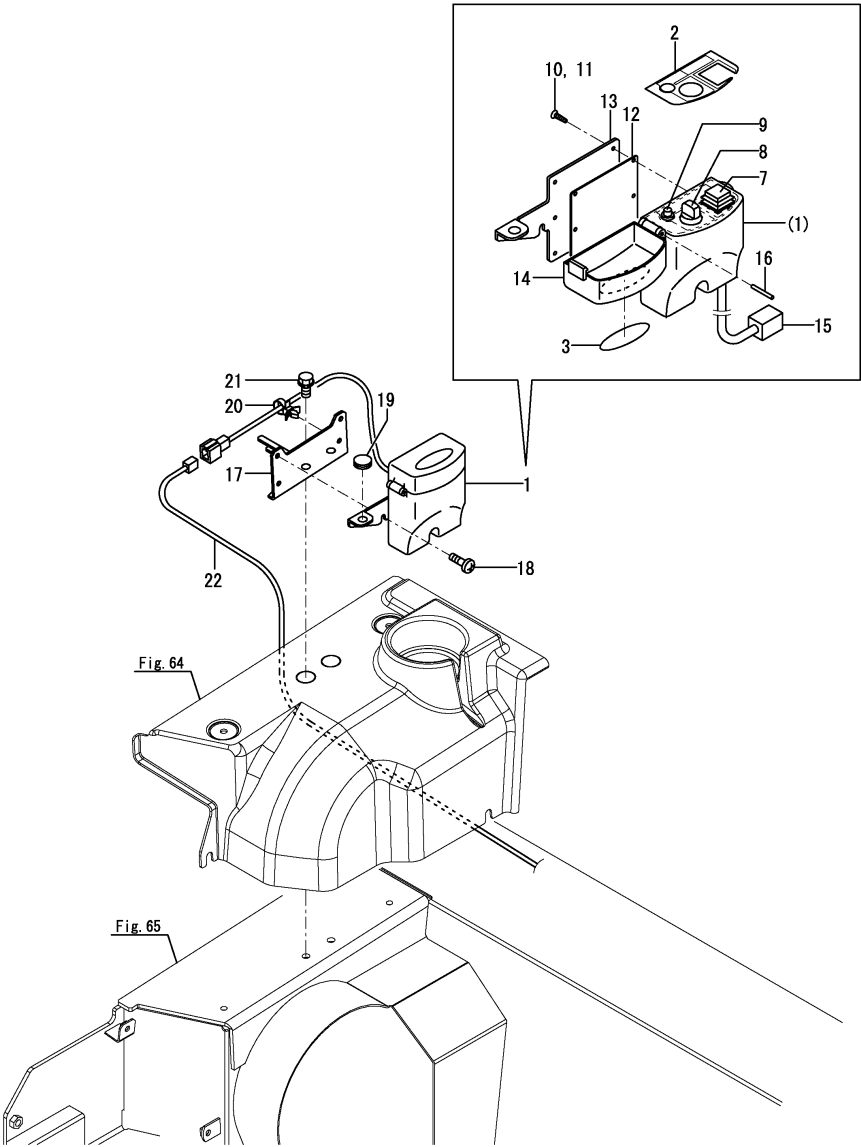
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND, BINDING 300	2							
2	1	172B11-16350	CATCH ASSY, LOCK	1							
3	1	172B11-16550	HARNESS ASSY, B	1							
4	2	172649-16560	DIODE, 1.5-3PA	3							
5	2	1A6382-51510	RESISTANCE, 2W R120	2							
6	2	198535-52110	FUSE, 5A	8							
7	2	198535-52120	FUSE, 10A	4							
8	2	198535-52140	FUSE, 20A	6							
9	2	198535-52170	FUSE, 30A	4							
10	2	1E9570-83900	PULLER, MINI FUSE	1							
13	2	1E8235-84910	DIODE, 090 31	9							
14	1	172B11-16601	BRACKET ASSY, E-ECU	1							
15	2	172456-13470	RUBBER 100	1							
17	1	172A69-16700	BRACKET, SWP 2P-M	2							
18	1	172B11-16900	BRACKET ASSY, CR	1							
18-1	1	172B11-16901	BRACKET ASSY,CR	1							N
(A=MAF461)											
19	1	172A89-17180	PLATE ASSY, SWITCH	1							
20	1	172A64-17250	SOCKET ASSY	1							
21	1	172A69-17260	SWITCH, ENGINE STOP	1							
22	1	194464-52190	SWITCH, SAFETY START	1							
23	1	1A7522-52950	RELAY, ACM13221M19	10							
24	1	194202-56460	BAND, BINDING 200	1							
25	1	194202-56460	BAND, BINDING 200	1							
26	1	194202-56460	BAND, BINDING 200	1							
27	1	172519-63240	BOLT, M8X16	2							
28	1	172445-68650	SPONGE, HOSE	1							
29	1	129927-77900	RELAY, ISO 90A	2							
30	1	129927-77910	BRACKET, CONNECTOR	2							
31	1	1E8490-84130	CLAMP, BAND	1							
32	1	22157-060000	WASHER, 6	2							
33	1	26013-060122	BOLT, M6X 12	2							
34	1	26013-080122	BOLT, M8X 12	1							
35	1	26013-080162	BOLT, M8X 16	2							
36	1	26014-060162	BOLT, M6X 16	2							
37	1	26014-060162	BOLT, M6X 16	2							
38	1	26014-060252	BOLT, M6X 25	4							
39	1	26014-100202	BOLT, M10X 20	3							
40	1	26051-080002	NUT, M8	4							
41	1	26776-180002	NUT, LOCK M18	1							
42	1	194202-56460	BAND, BINDING 200	1							W
(A=*2019.11)											

Fig.23. QUICK COUPLER(SWITCH BOX)

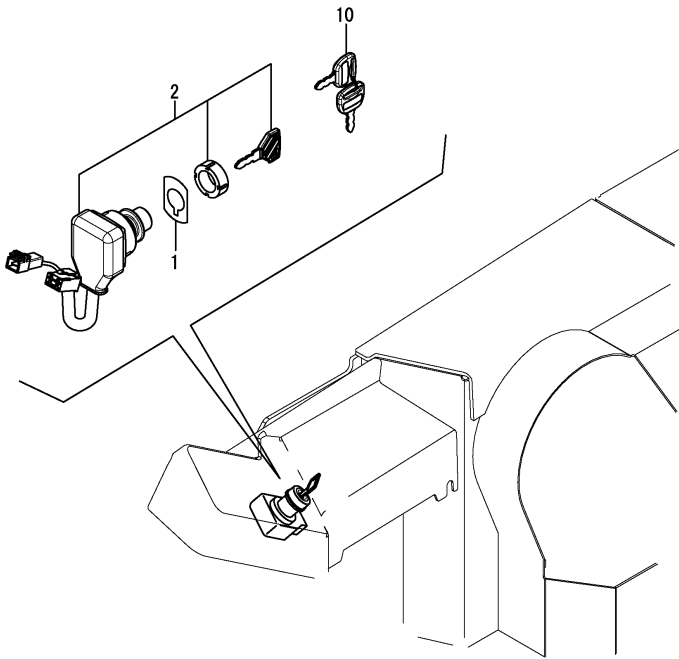
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-17111	BOX, SWITCH EX	1							1
1-1	1	172958-17410	BOX, SWITCH EX D	1						S	2
(A=MAF001)											
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, CONTROL	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, UPPER	1							1
14-1	3	172958-17230	CASE, UPPER	1						S	2
(A=MAF001)											
15	3	172958-17220	CORD, CP 4P	1							
16	3	22351-030028	PIN, SPRING 3.0X28	1							
17	1	172A89-17150	BRACKET ASSY, QH	1							
18	1	172137-46210	SCREW, BIND	2							
19	1	172187-64900	PLUG	1							
20	1	1E8775-84120	CLAMP, BAND B	1							
21	1	26013-100252	BOLT, M10X 25	2							
22	1	172B11-16270	HARNESS, QH	1							

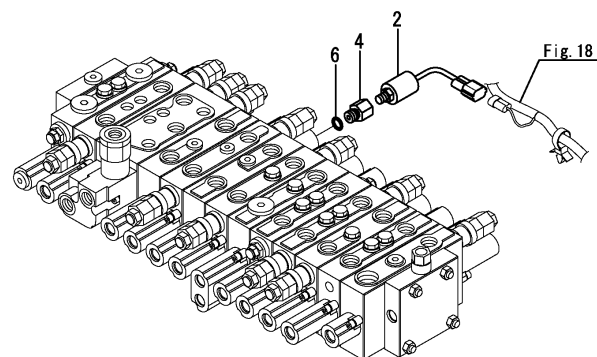


Remarks
(1)Color = DARK OLIVE GRAY.
(2)Color = PANTONE 425C.



0CK50-M00640 Fig.24											
(A)=VIO80-1A C(KR) (D)=											
(B)= (E)=											
(C)= (F)=											
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-17160	PLATE	1							
2	1	1A7180-52111	SWITCH ASSY, STARTER	1							
10	1	198360-52160	KEY ASSY, SPARE	1							1

Remarks
(1)For bonnet, door.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-16880	BRACKET ASSY, BUZZER	1							
2	1	172478-17201	SWITCH, PRESSURE	1							
3	1	172511-17351	BUZZER, BACK	1							
4	1	172156-76110	CONNECTOR, PF1/4X1/8	1							
5	1	26013-080162	BOLT, M8X 16	1							
6	1	41851-000110	O-RING. P11.0 HNBR	1							

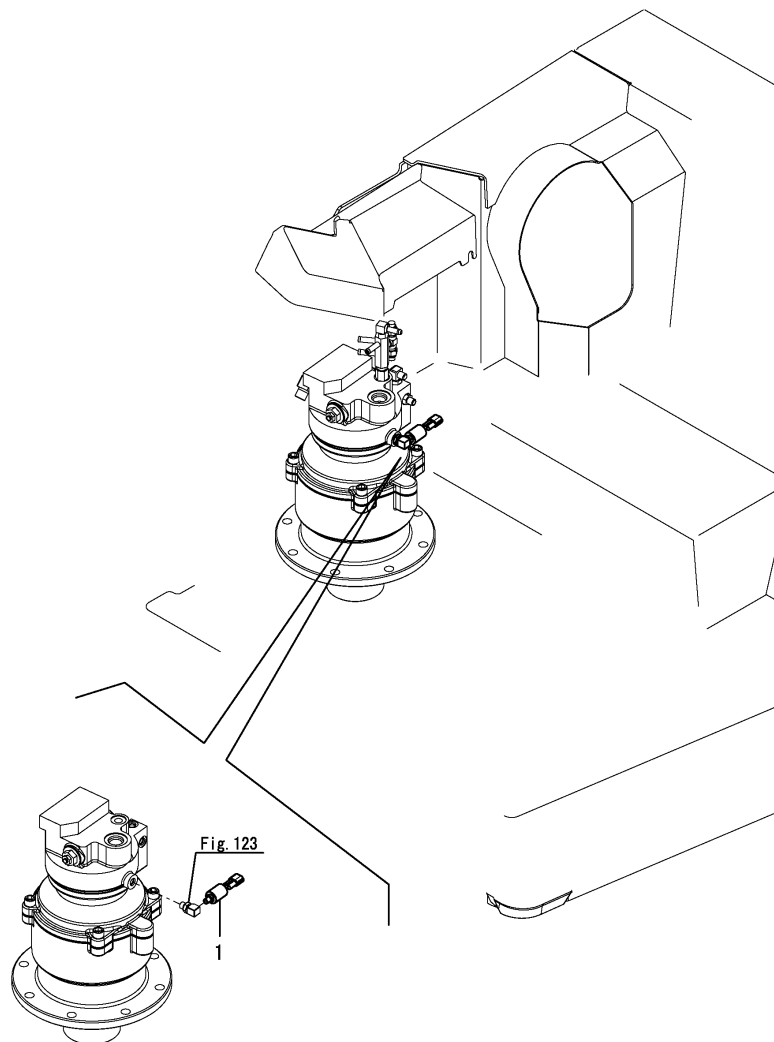
[illegible]

Fig.27. CONTROLLER

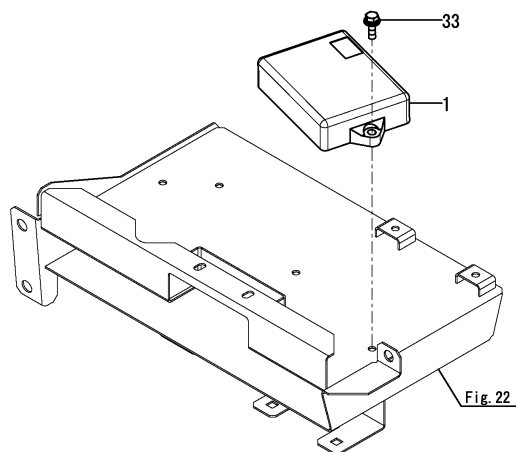


Fig. 22

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A8280-50900	CONTROLLER	1							1
33	1	26014-060202	BOLT, M6X 20	2							

Remarks

(1) Spare parts.

Please contact any authorized distributor nearest to install a proper information.

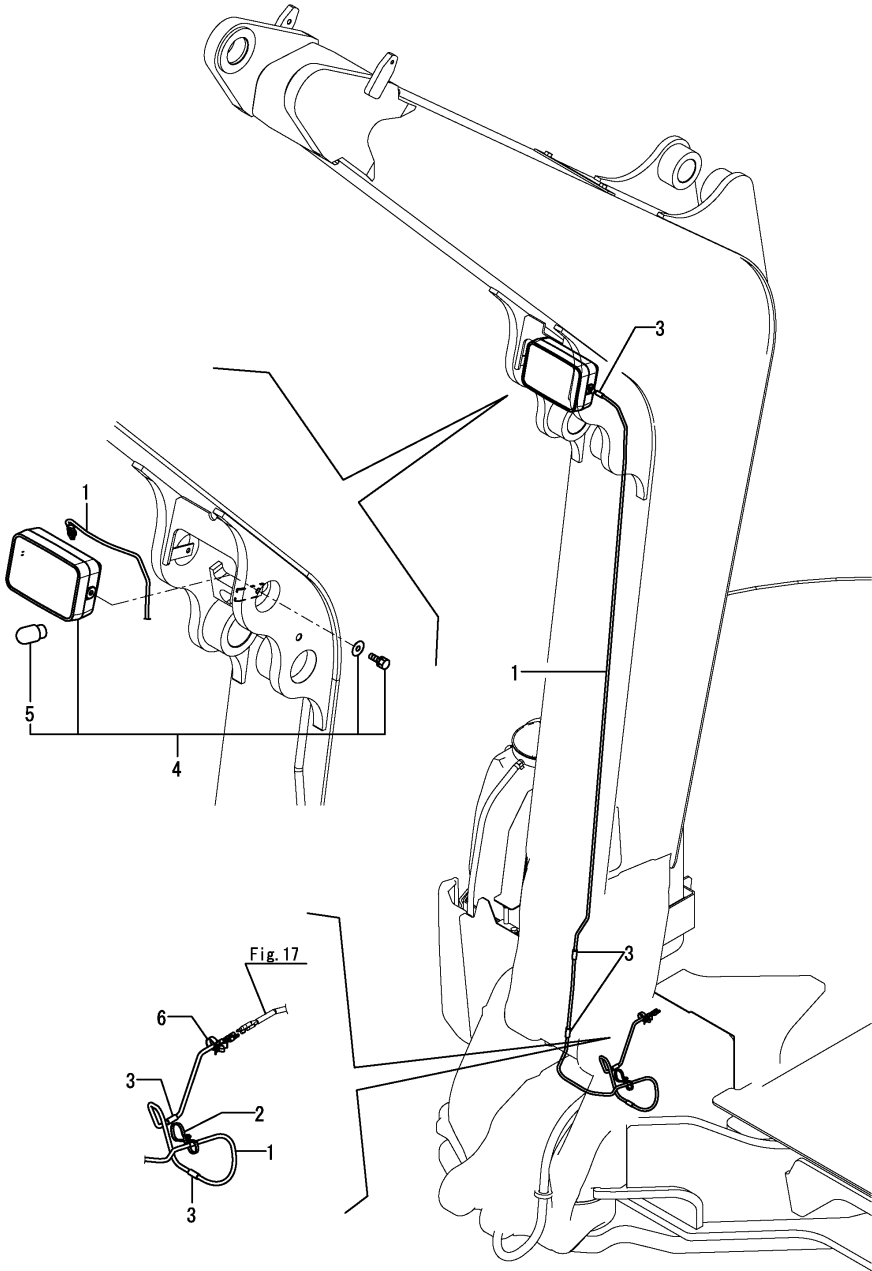
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.28. WORK LAMP

(A)=VIO80-1A C(KR)
(B)=
(C)=

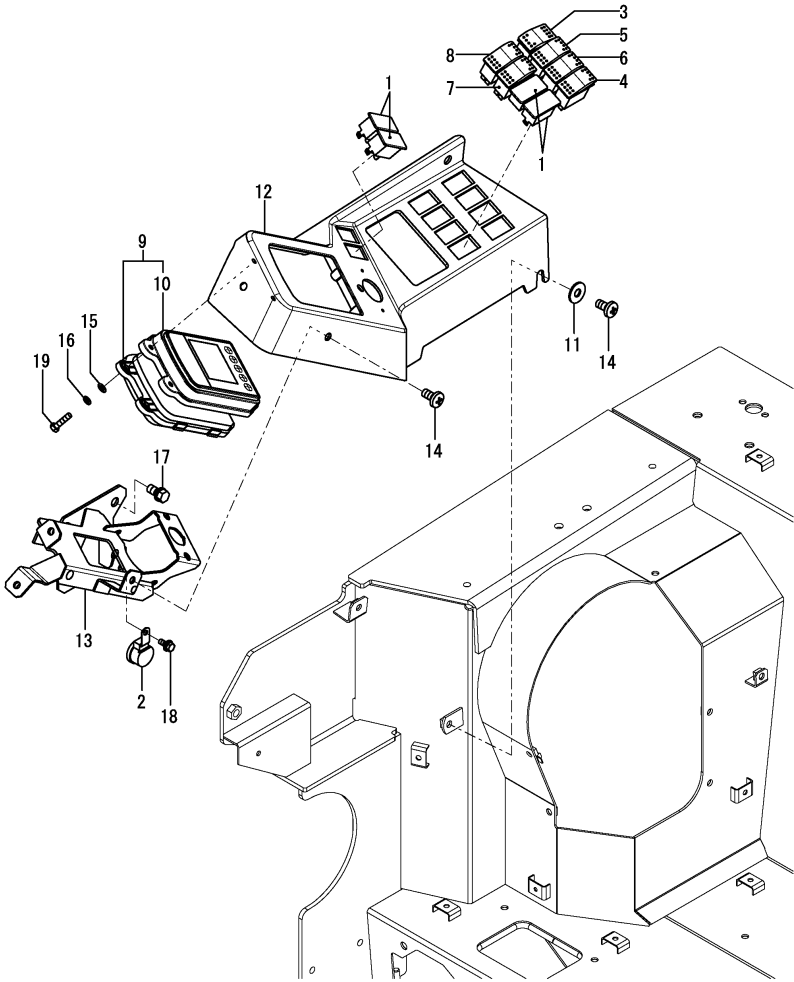
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-16440	HARNESS, WIRE BOOM	1							
2	1	172137-16560	BAND, BINDING W	1							
3	1	172B11-16780	RUBBER, CLAMP A	5							
4	1	172162-17400	LAMP ASSY, WORK	1							
5	2	172141-17211	BULB, 12V 55W	1							
6	1	1E8775-84120	CLAMP, BAND B	1							



(A)=VIO80-1A C(KR)
(B)=
(C)=

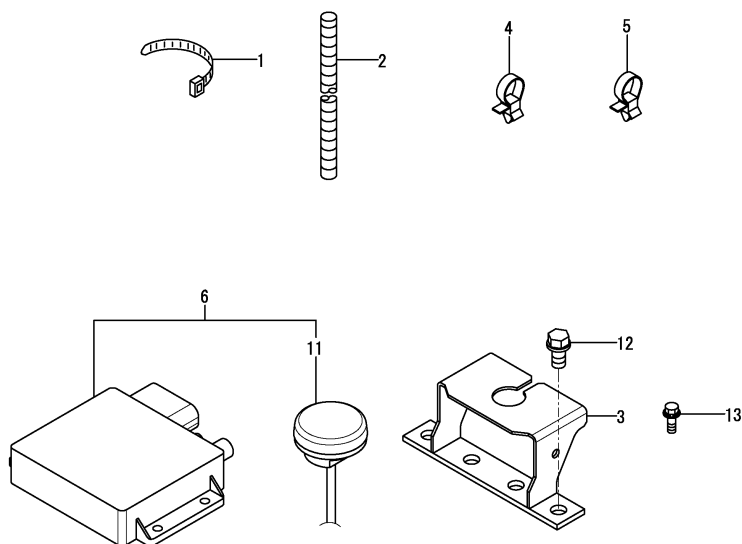
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172538-17100	PLUG, PANEL	4							
2	1	172141-17150	BUZZER	1							
3	1	172B11-17200	SWITCH, DPF	1							
4	1	172A69-17211	SWITCH, TRAVLE	1							
5	1	172A69-17221	SWITCH, WIPER	1							
6	1	172A69-17231	SWITCH, LIGHT	1							
7	1	172A69-17241	SWITCH, AUTO DECEL	1							
8	1	172A69-17251	SWITCH, ECO	1							
9	1	172B03-17256	MONITOR ASSY	1							
9-1	1	172B03-17259	MONITOR ASSY	1						N	
(A=MAG164)											
10	2	172B03-17261	MONITOR ASSY, UPPER	1							
11	1	172458-62430	WASHER, M8	2							
12	1	172B11-63140	PANEL, INSTRUMENT	1							1
12-1	1	172B11-63240	PANEL, INSTRUMENT D	1						S	2
(A=MAF001)											
13	1	172B11-63500	STAY ASSY, PANEL	1							
14	1	172137-69850	SCREW, BIND	4							
15	1	22137-050000	WASHER, 5	4							
16	1	22217-050000	WASHER, SPRING 5	4							
17	1	26013-100202	BOLT, M10X 20	3							
18	1	26014-060162	BOLT, M6X 16	1							
19	1	26116-050202	BOLT, M5X 20 PLATED	4							

Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Color = DARK OLIVE GRAY.
(2)Color = PANTONE 425C.

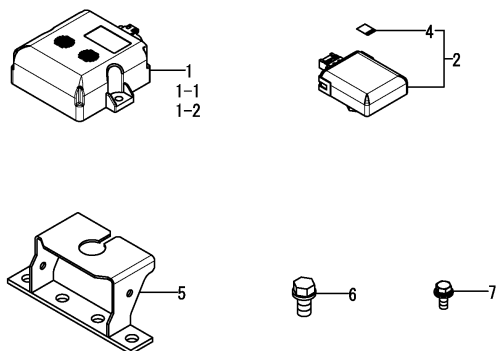
Fig.182. (26A)GPS(1.5G)



* For more information, contact the service department of the dealer you purchased from.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND, BINDING 300	6							
2	1	172B11-16540	TUBE, PROTECTOR 7	1							
3	1	172B11-17950	BRACKET ASSY, GPS	1							
3-1	1	172B11-17951 (A=MAF461)	BRACKET ASSY, GPS	1							N
4	1	1E8775-84120	CLAMP, BAND B	4							
5	1	1E8490-84130	CLAMP, BAND	3							
6	1	1RF001-93552	SA-R KIT,3G	1							1
6-1	1	1RF001-93553 (A=MAF439)	SA-R KIT,3G	1							R 1
6-2	1	1RF001-93554 (A=MAG858)	SA-R KIT,3G	1							N 1
6-3	1	1RF001-93555 (A=MAG977)	SA-R KIT,3G	1							N 1
11	2	1RF001-93010	ANTENNA, MOBILE	1							
12	1	26013-100202	BOLT, M10X 20	2							
13	1	26014-060162	BOLT, M6X 16	4							

Fig.183. (29B)GPS(2.0G)

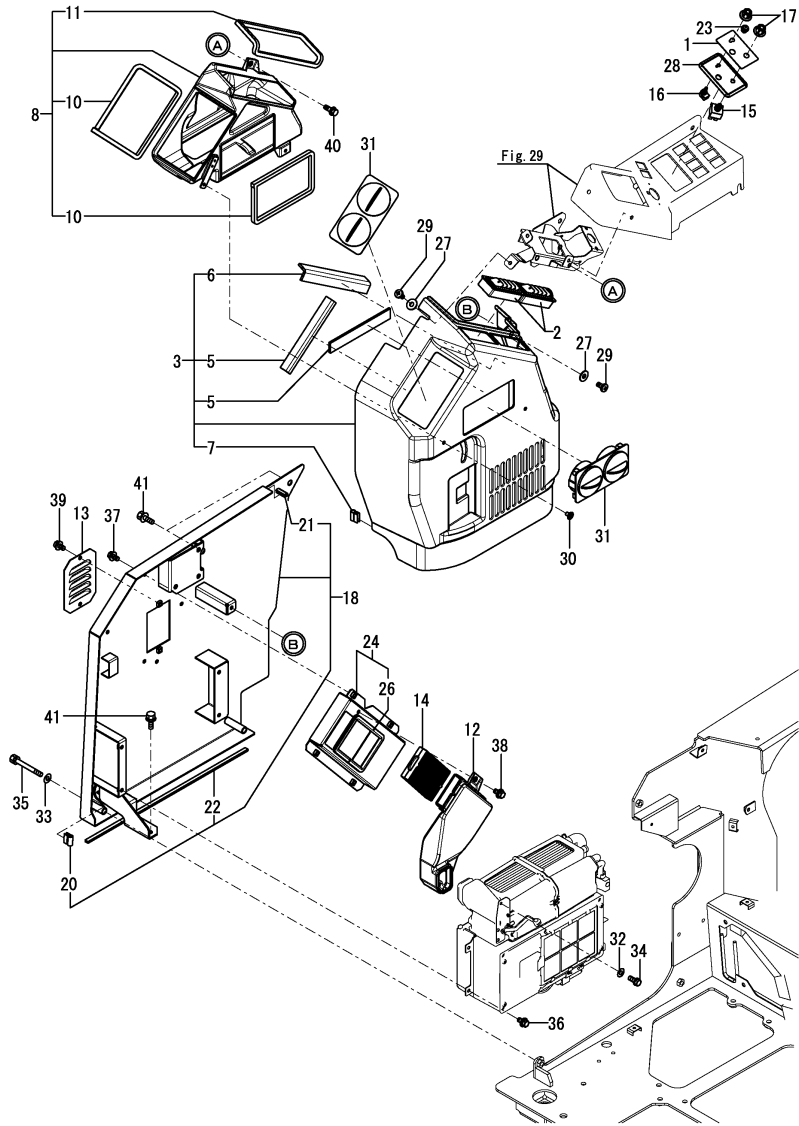


* For more information, contact the service department of the dealer you purchased from.

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

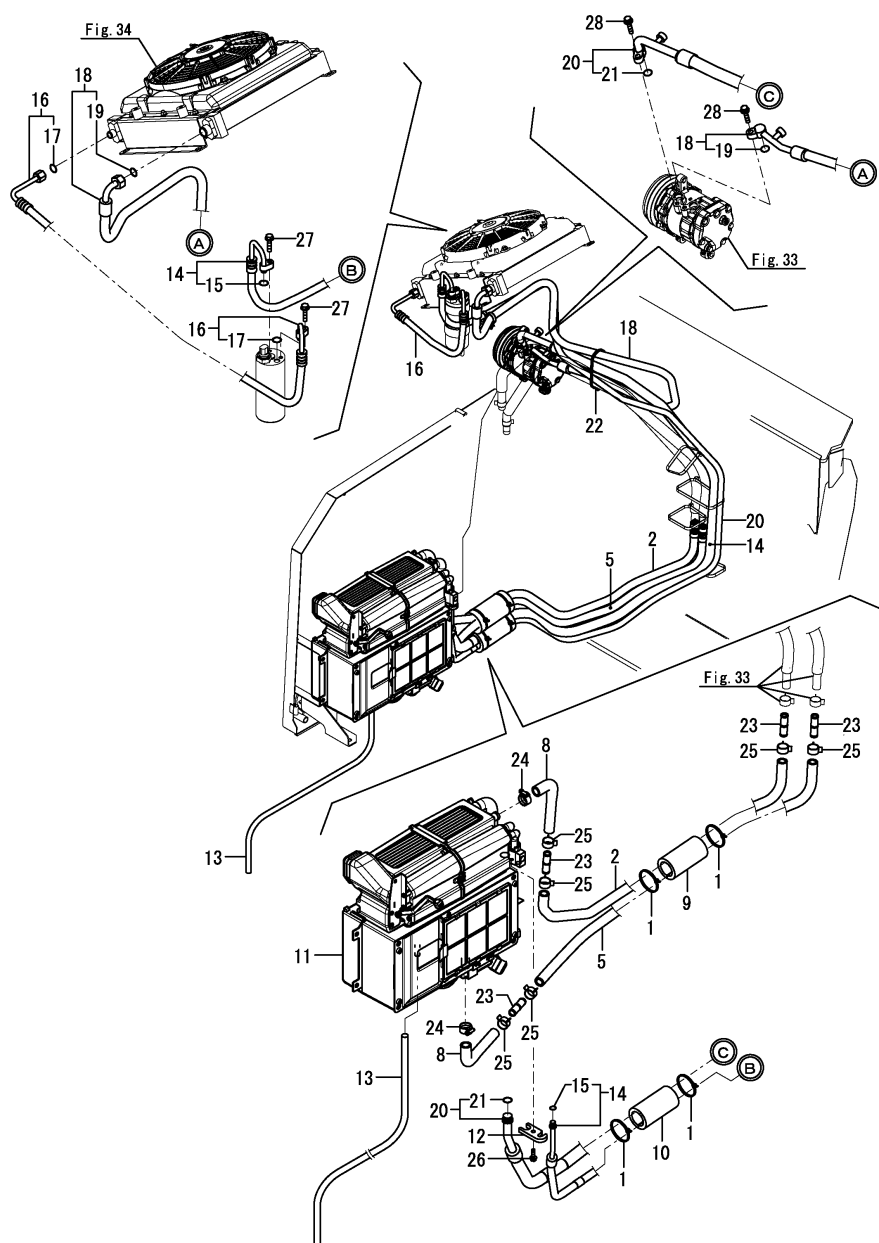
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1RF001-00222	CONTROLLER,SA-R BATT	1							1
1-1	1	1RF001-00212	CONTROLLER,SA-R	1							S 1
		(A=MAG977)									
1-2	1	1RF001-00223	CONTROLLER,SA-R BATT	1							S 1
		(A=MAH008)									
2	1	1RF001-00311	CONTROLLER,SA-R 3G	1							
4	2	1RF001-93410	MICROSIM,DOCOMO	1							
5	1	172B11-17951	BRACKET ASSY, GPS	1							
6	1	26013-100202	BOLT, M10X 20	2							
7	1	26014-060162	BOLT, M6X 16	2							

Fig.30. AIR CONDITIONER(CABIN RELATED)



Remarks
(1)Color = WARM IVORY.
(2)Color = WARM GARY.
(3)Color = LIGHT GARY.
(4)Color = NAVY GRAY.
(5)Color = PANTONE 425C.
(6)Color = BLACK.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B03-03250	LABEL, SWITCH	1							
2	1	172458-17700	GRILLE	2							
3	1	172B11-18200	COVER ASSY, AIR CON	1							1
3-1	1	172B11-18210	COVER ASSY, AIR CON	1						S	4
(A=MAF001)											
5	2	172B11-18240	SHEET, INSULATOR A	2							
6	2	172B11-18250	SHEET, INSULATOR B	1							
7	2	172B11-19760	SEAL, 25	1							
8	1	172B11-18700	DUCT ASSY, AIR CON	1							
10	2	172A69-18750	SEAL, DUCT C	2							
11	2	172B11-18810	SEAL, 700	1							
12	1	172B11-18740	DUCT, AIR CON	1							
13	1	172B11-18780	LOUVER	1							
14	2	172B06-18420	FILTER, AIR	1							
15	2	172B06-18560	SWITCH, BLOWER	1							
16	2	172B06-18570	SWITCH, THERMO	1							
17	2	172B06-18580	KNOB	2							
18	1	172B11-19110	BRACKET ASSY, AC U	1							
20	2	172B11-19760	SEAL, 25	1							
21	2	172455-61580	RUBBER, EDGE 30	1							
22	2	172458-64140	SEAL, 560	1							
23	1	172B03-19160	SWITCH ASSY, AC	1							
24	1	172B11-19250	DUCT ASSY	1							
26	2	172162-62540	SEAL, STEP	1							
27	1	172458-62430	WASHER, M8	2							
28	1	172B03-63340	PANEL, AC	1							2
28-1	1	172B03-63670	PANEL, AC D	1						S	5
(A=MAF001)											
29	1	172137-69850	SCREW, BIND	2							
30	1	1A8110-84210	RIVET, PUSH	2							3
30-1	1	1A8060-84280	RIVET, PUSH	2						S	6
(A=MAF001)											
31	1	1A7030-87411	GRILLE ASSY, FRONT	2							
32	1	22117-060000	WASHER, 6	1							
33	1	22137-100000	WASHER, 10	2							
34	1	26013-060102	BOLT, M6X 10	1							
35	1	26013-100852	BOLT, M10X 85	2							
36	1	26014-080162	BOLT, M8X 16	4							
37	1	26014-080162	BOLT, M8X 16	4							
38	1	26014-080162	BOLT, M8X 16	1							
39	1	26014-080162	BOLT, M8X 16	2							
40	1	26014-080202	BOLT, M8X 20	1							
41	1	26014-100252	BOLT, M10X 25	3							

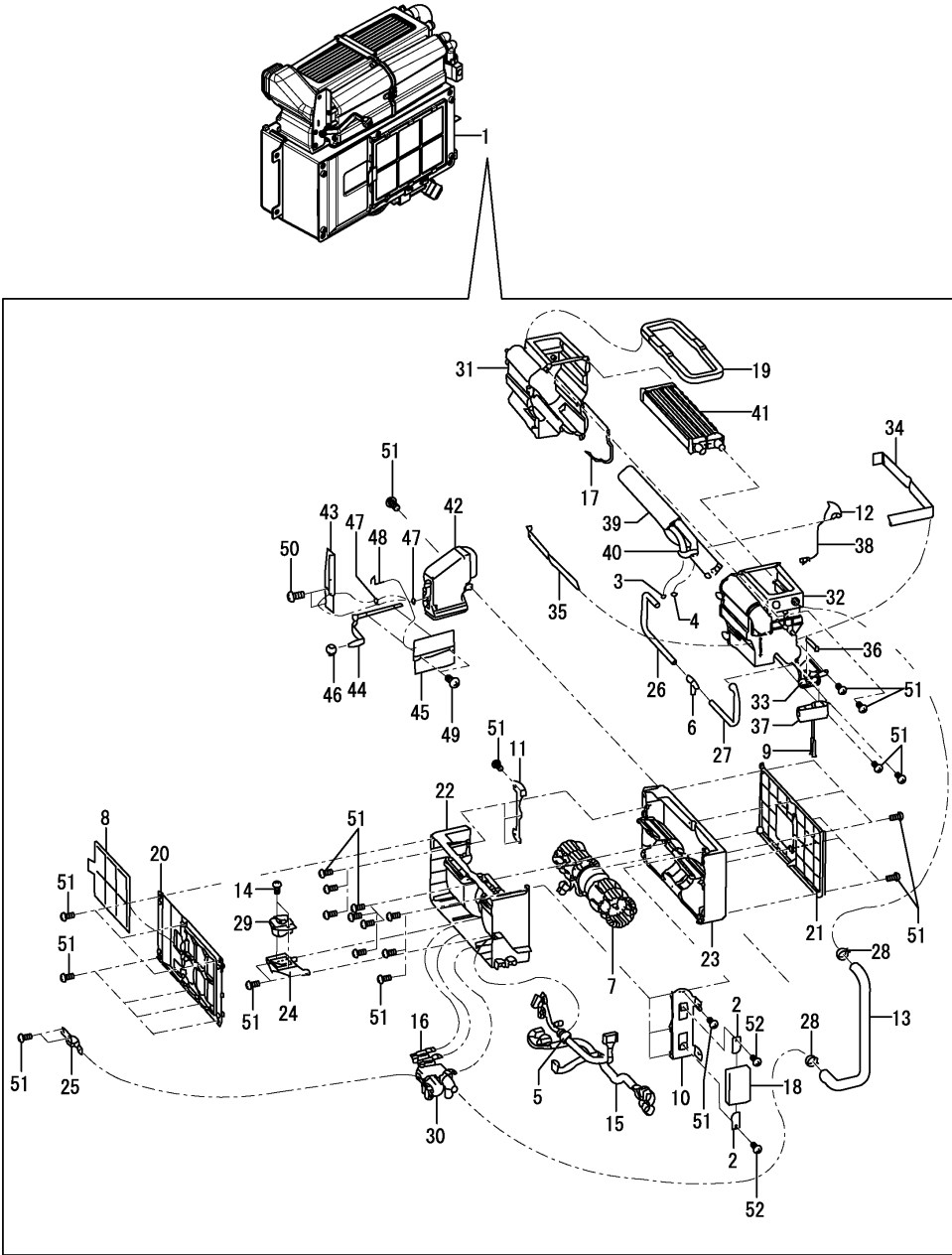


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND, BINDING 300	4							
2	1	172A89-17810	HOSE ASSY, 1050	1							
5	1	172A69-17840	HOSE ASSY, 1050	1							
8	1	172B11-17870	HOSE, HEATER A	2							
9	1	172A69-18900	SPONGE, HOSE 120X53	1							
10	1	172B11-18900	SPONGE, 42X120	1							
11	2	172B03-19101	AIR CON UNIT	1							1
12	2	172B03-19110	PLATE, FLANGE	1							
13	2	172B11-19870	HOSE, DRAIN AC	1							
14	1	172B11-19800	HOSE, VALVE	1							
15	2	172B06-18700	O-RING, L-HOSE	2							
16	1	172B11-19830	HOSE, RECIEVER	1							
17	2	172B06-18700	O-RING, L-HOSE	2							
18	1	172B11-19840	HOSE, DISCHARGE	1							
19	2	172B06-18680	O-RING, D-HOSE	2							
20	1	172B11-19850	HOSE, SUCTION	1							
21	2	172B06-18690	O-RING, S-HOSE	2							
22	1	194202-56460	BAND, BINDING 200	1							
23	1	1A7030-88660	PIPE, JOINT	4							
24	1	23001-022000	CLAMP, HOSE 22	2							
25	1	23080-018000	CLAMP, 18	6							
26	1	26106-060202	BOLT, M6X 20 PLATED	1							
27	1	26106-060252	BOLT, M6X 25 PLATED	2							
28	1	26106-080252	BOLT, M8X 25 PLATED	2							

(1) Inner parts are shown in Fig.32.

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.32. AIR CONDITIONER(UNIT)(INNER PARTS)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B03-19101	AIR CON UNIT	1							
2	3	172B06-18550	BRACKET, AMP	2							
3	3	172B06-18680	O-RING, D-HOSE	1							
4	3	172B06-18690	O-RING, S-HOSE	1							
5	3	172B06-18930	INSULATOR, HARNESS	1							
6	3	172B06-18960	ELBOW, DRAIN	1							
7	3	172B06-18970	MOTOR ASSY, BLOWER	1							
8	3	172B03-19120	FILTER, REC	1							
9	3	172B06-19120	BOLT, M5X40	2							
10	3	172B03-19130	BRACKET, 1	1							
11	3	172B03-19140	BRACKET, 2	1							
12	3	172B06-19140	HOLDER, THERMISTOR	1							
13	3	172B03-19150	HOSE, HEATER	1							
14	3	172B06-19150	SCREW, PAN HEAD	2							
15	3	172B03-19191	HARNESS ASSY, HVAC	1							
16	3	172B03-19200	RELAY	2							
17	3	172B06-19200	SEAL, CASE	1							
18	3	172B03-19210	CONTROLLER, HVAC	1							
19	3	172B03-19220	SEAL, OUTLET	1							
20	3	172B03-19230	COVER, FRONT	1							
21	3	172B03-19240	COVER, BACK	1							
22	3	172B03-19250	CASE ASSY, LOWER F	1							
23	3	172B03-19260	CASE ASSY, LOWER BACK	1							
24	3	172B03-19270	MOUNT, RESISTOR	1							
25	3	172B03-19280	RETAINER, VALVE	1							
26	3	172B03-19290	HOSE, DRAIN 1	1							
27	3	172B03-19300	HOSE, DRAIN 2	1							
28	3	172B03-19310	CLAMP, HOSE	2							
29	3	172B03-19320	RESISTOR	1							
30	3	172B03-19330	VALVE ASSY, WATER	1							
31	3	172B03-19340	CASE ASSY, UP FEMALE	1							
32	3	172B03-19350	CASE ASSY, UP MALE	1							
33	3	172B03-19360	COVER ASSY, PAF	1							
34	3	172B03-19370	SEAL, AC-UNIT 1	1							
35	3	172B03-19380	SEAL, AC-UNIT 2	1							
36	3	172B03-19390	RETAINER, TXV	1							
37	3	172B03-19400	VALVE, EXPANSION	1							
38	3	172B03-19410	SENSOR, TEMPERATURE	1							
39	3	172B03-19420	EVAPORATOR ASSY	1							
40	3	172B03-19430	STAY	1							
41	3	172B03-19440	HEATER ASSY	1							
42	3	172B03-19450	DUCT ASSY	1							
43	3	172B03-19460	BRACKET, DUCT	1							
44	3	172B03-19470	LEVER ASSY, DOOR	1							
45	3	172B03-19480	DOOR ASSY	1							
46	3	172B03-19490	KNOB	1							
47	3	172B03-19500	SPACER, C	2							
48	3	172B03-19510	SPRING	1							
49	3	172B03-19520	SCREW, 3X6	2							
50	3	172B03-19530	SCREW, 4X10	2							
51	3	172B03-19540	SCREW, 4X16	36							

Fig.32. AIR CONDITIONER(UNIT)(INNER PARTS)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
52	3	172B03-19550	SCREW, 5X5	2							

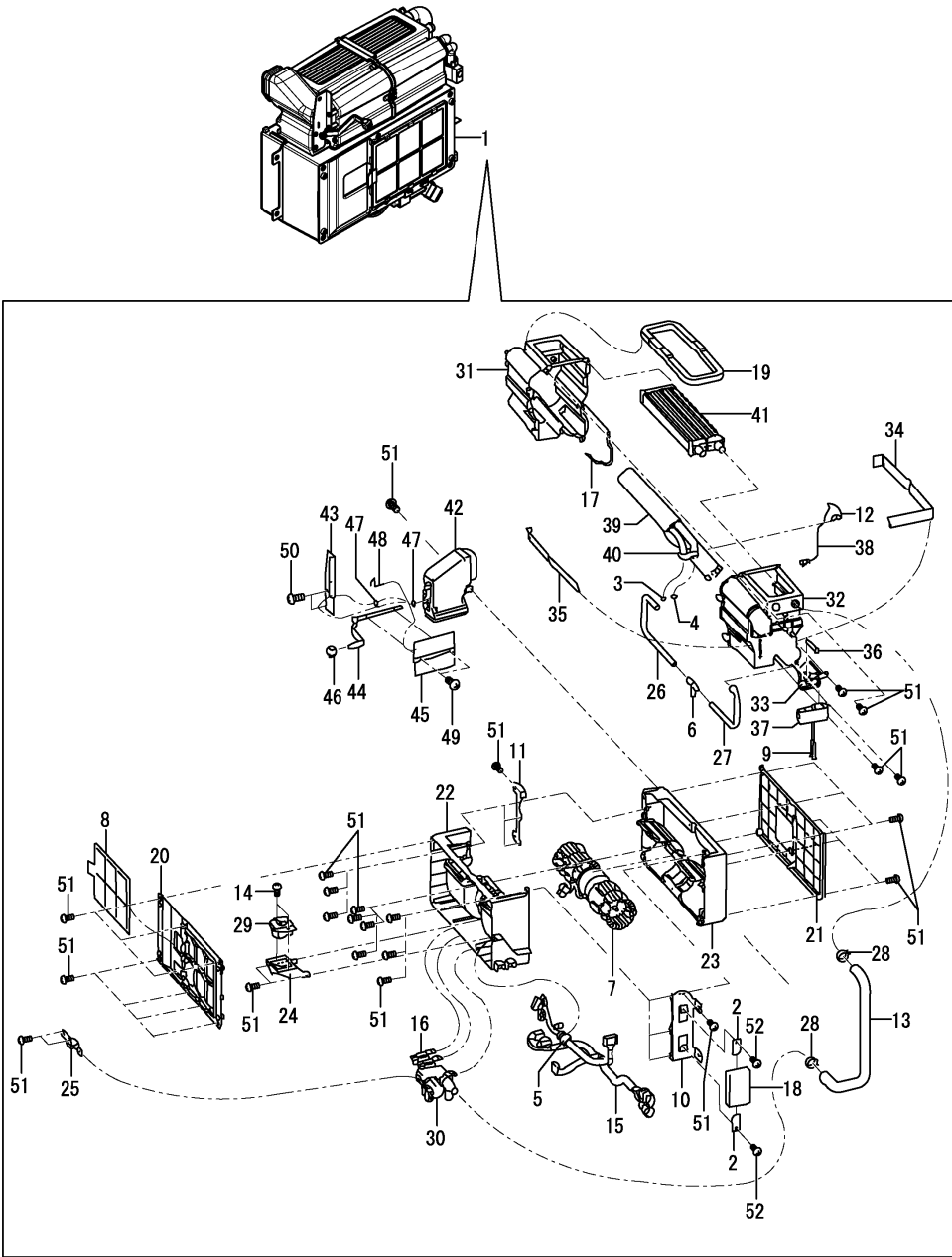
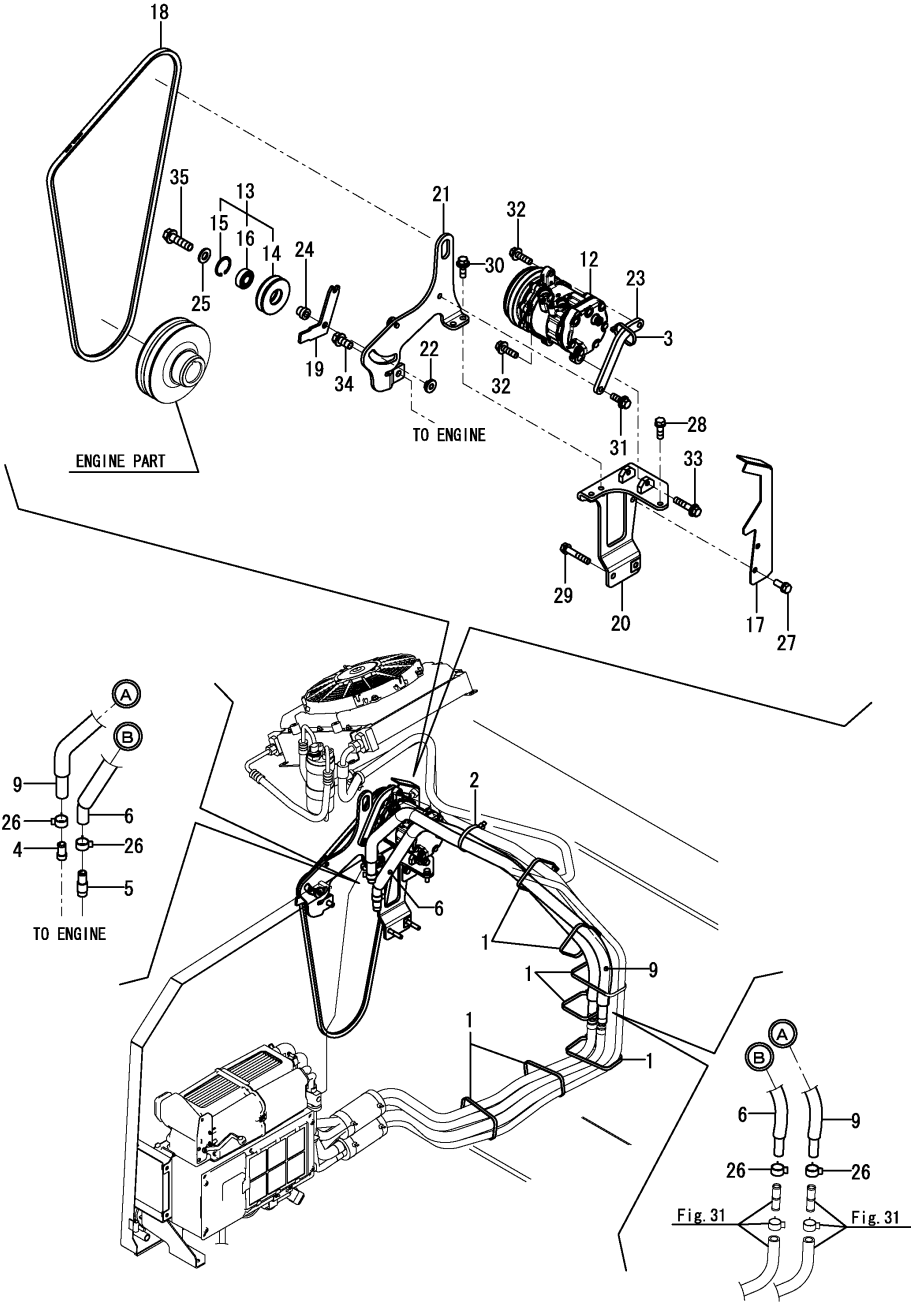


Fig.33. AIR CONDITIONER(ENGINE RELATED)

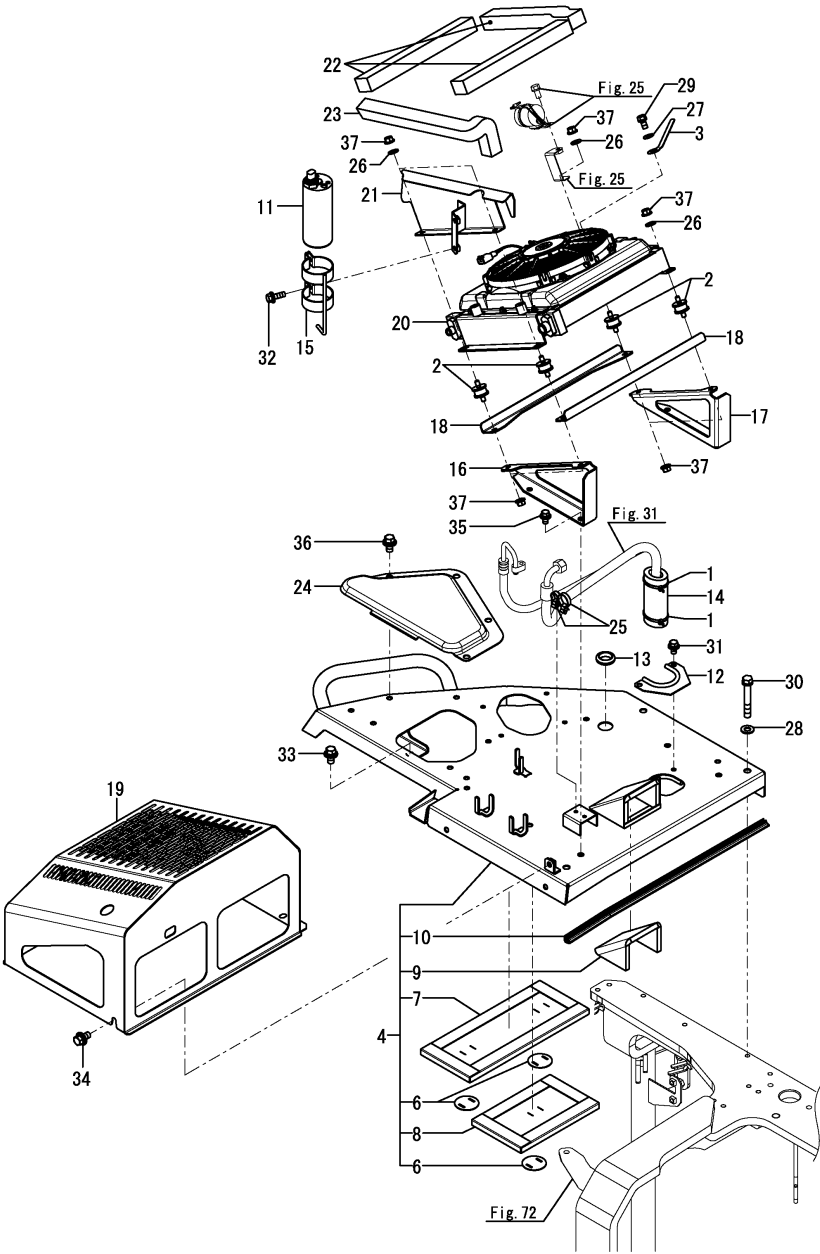


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND, BINDING 300	7							
2	1	172137-16560	BAND, BINDING W	2							
3	1	172137-16560	BAND, BINDING W	1							
4	1	172124-17640	JOINT, PIPE 3/8	1							
5	1	172B11-17640	JOINT, PIPE 3/8	1							
6	1	172A89-17810	HOSE ASSY, 1050	1							
9	1	172A69-17840	HOSE ASSY, 1050	1							
12	1	172B11-18100	COMPRESSOR ASSY, 116	1							
13	1	172A69-18150	PULLEY ASSY, TENSION	1							
14	2	172A69-18160	PULLEY, TENSION	1							
15	2	22252-000350	RING, 35	1							
16	2	24104-062020	BEARING, 6202UUC3	1							
17	1	172B11-18150	GUARD, BELT	1							
18	1	172A69-18190	V-BELT, HM60	1							
19	1	172B11-18290	BAR, ADJUST	1							
20	1	172B11-18300	BRACKET ASSY	1							
21	1	172B11-18370	BRACKET ASSY, PULLEY	1							
22	1	172187-18410	NUT, PULLEY	1							
23	1	172B11-18410	PLATE, COMPRESSOR	1							
24	1	129466-96240	SPACER, PULLEY	1							
25	1	22137-100000	WASHER, 10	1							
26	1	23080-018000	CLAMP, 18	4							
27	1	26013-080202	BOLT, M8X 20	2							
28	1	26013-080252	BOLT, M8X 25	1							
29	1	26013-080452	BOLT, M8X 45	2							
30	1	26014-080252	BOLT, M8X 25	2							
31	1	26014-080252	BOLT, M8X 25	1							
32	1	26014-080302	BOLT, M8X 30	2							
33	1	26014-080402	BOLT, M8X 40	1							
34	1	26106-100202	BOLT, M10X 20 PLATED	1							
35	1	26106-100352	BOLT, M10X 35 PLATED	1							

Fig.34. AIR CONDITIONER(CONDENSER RELATED)

(A)=VIO80-1A C(KR)
(B)=
(C)=

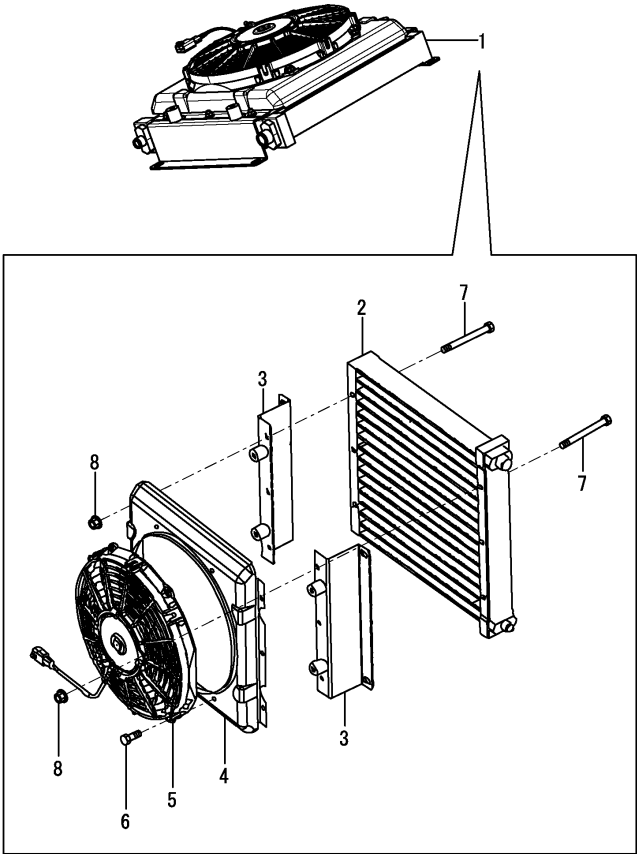
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND, BINDING 300	2							
2	1	172447-13550	MOUNT, EVER	4							
3	1	172126-16540	CLAMP, 10X70	1							
4	1	172B11-18441	BASE ASSY, CONDENSER	1							
6	2	172B11-18570	PLATE, INSULATOR	3							
7	2	172B11-18580	INSULATOR, A	1							
8	2	172B11-18590	INSULATOR, H	1							
9	2	172B11-18680	INSULATOR, J	1							
10	2	172444-61320	RUBBER, SEAL 580	1							
11	1	172B06-18450	RECEIVER-DRYER	1							
12	1	172A89-18580	COVER ASSY, HOSE U	1							
13	1	172B11-18880	GROMMET, 30	1							
14	1	172B11-18900	SPONGE, 42X120	1							
15	1	172B03-18950	BRACKET ASSY, R/D	1							
16	1	172B11-19500	BRACKET, CONDENSER F	1							
17	1	172B11-19520	BRACKET, CONDENSER R	1							
18	1	172B11-19580	RIB, BRACKET	2							
19	1	172B11-19610	COVER ASSY,CONDENSER	1							
20	1	172B03-19680	CONDENSER ASSY	1							1
21	1	172B11-19701	PLATE ASSY, SEAL	1							
22	1	172B11-19770	SEAL, 310	3							
23	1	172B11-19780	SEAL, 420	1							
24	1	172B12-62130	COVER, UPPER	1							
25	1	1E8490-84130	CLAMP, BAND	2							
26	1	22137-080000	WASHER, 8	4							
27	1	22137-080000	WASHER, 8	1							
28	1	22137-100000	WASHER, 10	3							
29	1	26013-080162	BOLT, M8X 16	1							
30	1	26013-100702	BOLT, M10X 70	3							
31	1	26014-080162	BOLT, M8X 16	2							
32	1	26014-080252	BOLT, M8X 25	2							
33	1	26014-100202	BOLT, M10X 20	1							
34	1	26014-100202	BOLT, M10X 20	4							
35	1	26014-100202	BOLT, M10X 20	4							
36	1	26014-100202	BOLT, M10X 20	4							
37	1	26051-080002	NUT, M8	8							

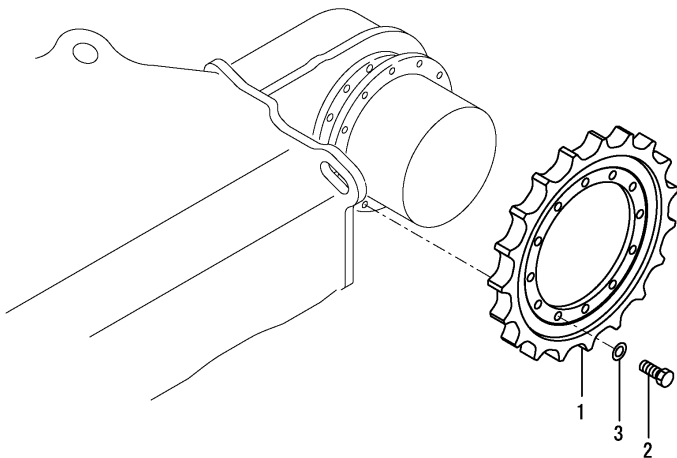
Remarks
(1)Inner parts are shown in Fig.35.

Fig.35. AIR CONDITIONER(CONDENSER)(INNER PARTS)



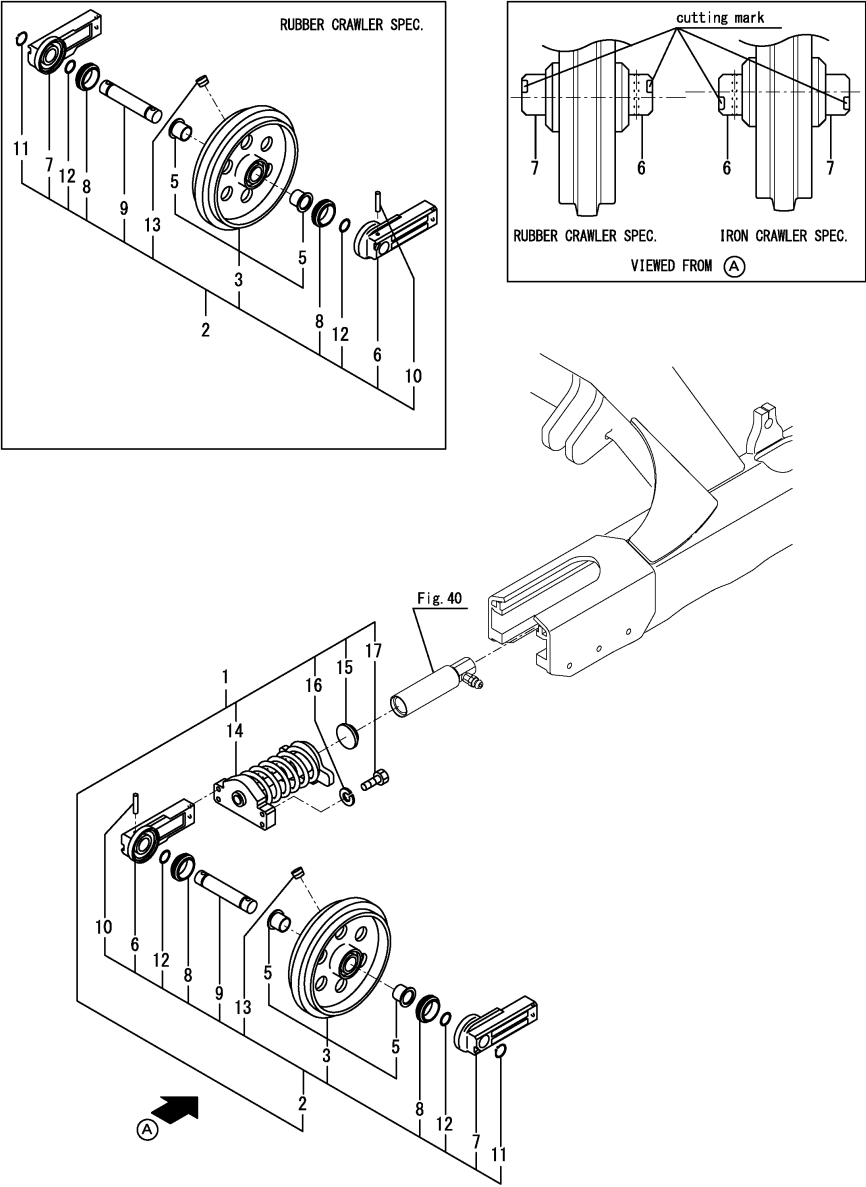
(A)=VIO80-1A C(KR)
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B03-19680	CONDENSER ASSY	1							
2	2	172B06-19260	CONDENSER	1							
3	2	172B03-19650	BRACKET ASSY	2							
4	2	172B03-19660	COVER ASSY, FAN	1							
5	2	172B03-19670	MOTOR ASSY, FAN	1							
6	2	26106-060162	BOLT, M6X 16 PLATED	4							
7	2	26106-060602	BOLT, M6X 60 PLATED	6							
8	2	26366-060002	NUT, M6	6							



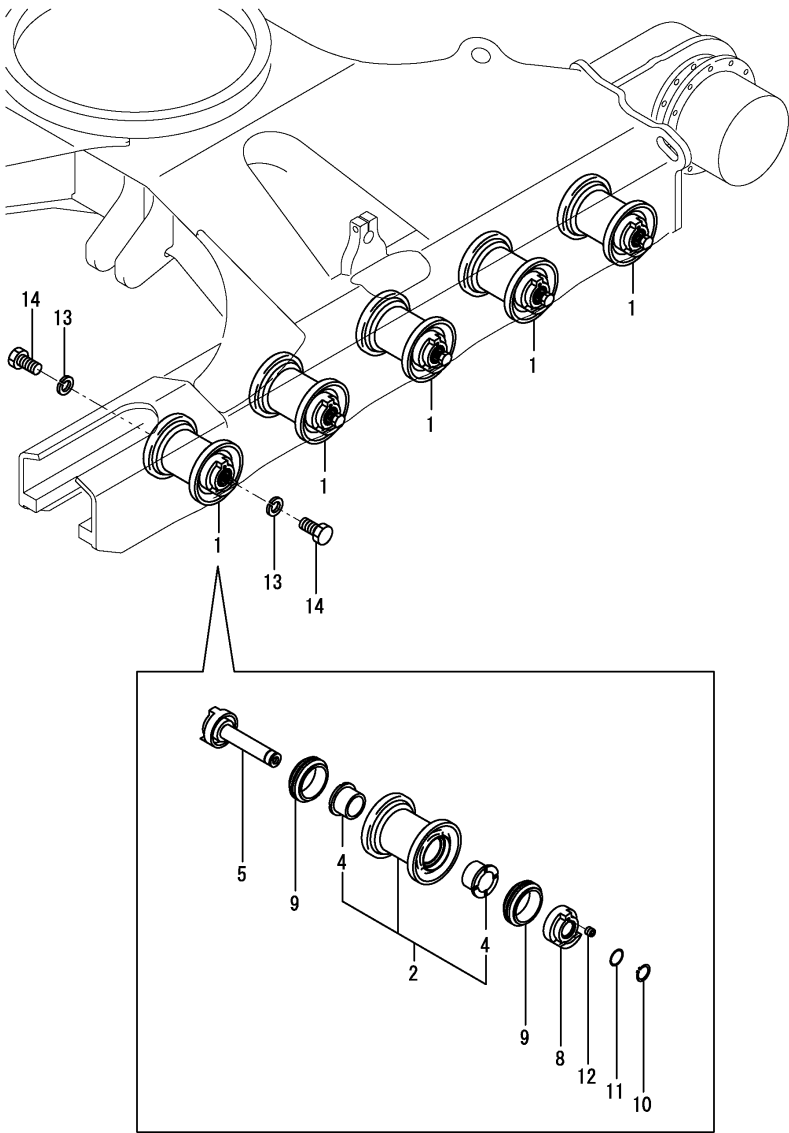
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-29100	SPROCKET, 19	2							
2	1	172455-29140	BOLT, 14X35	24							
3	1	172455-29150	WASHER, 14X25	24							

Fig.37. IDLER & ADJUST



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	IDLER ASSY	2							
5	4	172478-37121	BUSH, IDLER	4							
6	3	172478-37141	COVER, CYLINDER A	2							
7	3	172478-37151	COVER, CYLINDER B	2							
8	3	172455-37160	SEAL, FLOATING	4							
9	3	172455-37170	SHAFT, IDLER	2							
10	3	172455-37180	PIN, SPRING 10AWX70	2							
11	3	22242-000400	RING, 40	2							
12	3	24311-000380	O-RING, 1AP38.0	4							
13	3	933171-13691	PLUG, PT1/8	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							

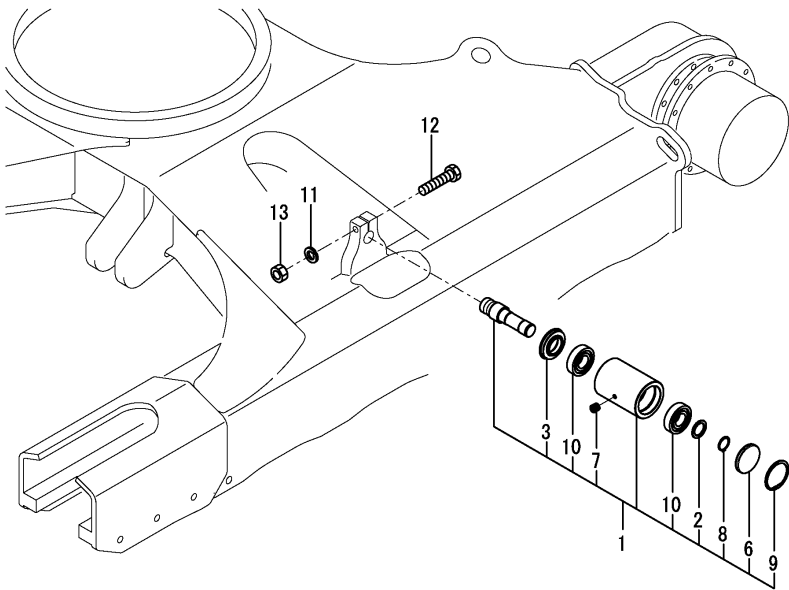
Remarks
(1)This part is used both rubber crawler & iron crawler.
When constructing Idler Assy, The direction of cutting mark of idler seal cover A & B is the opposite side concerning rubber crawler & iron crawler.



(A)=VIO80-1A C(KR)
(B)=
(C)=

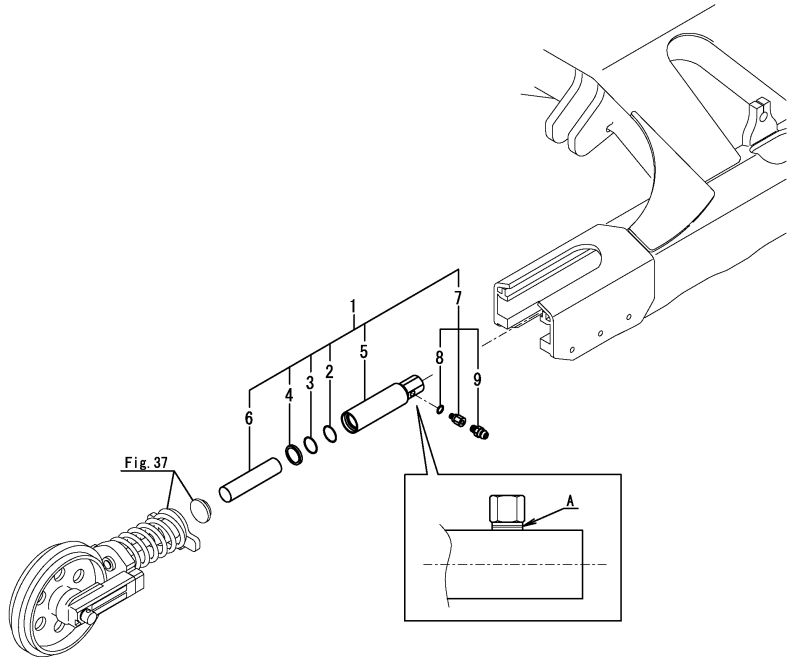
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-37300	ROLLER ASSY, LOWER	10							
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, PT1/8	10							
13	1	22217-200000	WASHER, SPRING 20	20							
14	1	26076-200409	BOLT, 10.920X 40	20							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-37501	ROLLER ASSY, CARRIER	2							
2	2	172499-37610	COLLAR, 35 50 3	2							
3	2	172499-37600	SEAL,OIL45 85 8.5 19	2							
6	2	172A89-37530	PLUG, BORE 72	2							
7	2	933171-13691	PLUG, PT1/8	2							
8	2	22242-000350	RING, 35	2							
9	2	22252-000720	RING, 72	2							
10	2	24101-062074	BEARING, BALL 6207	4							
11	1	22217-160000	WASHER, SPRING 16	2							
12	1	26116-160852	BOLT, M16X 85 PLATED	2							
13	1	26716-160002	NUT, M16	2							

Fig.40. CRAWLER ADJUST(Y SPEC.)(TO M1B872)



Remarks
* A : Y specifications have a slit for the identification.
S specifications do not have a slit for the identification.
S specifications are shown in Fig.175(40A).
(1)Interchangeable by Fig.175(40A) No.1.
The inner parts are not compatible.

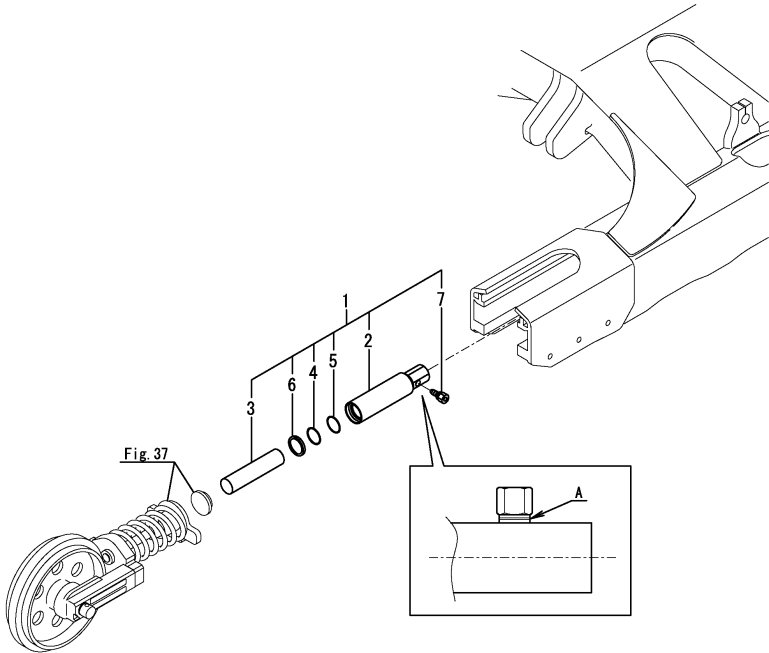
0CK50-M00640 Fig.40
(A)=VIO80-1A C(KR)
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772162-37770 (A=1B873)	CYLINDER ASSY,ADJUST	2						Z	1
2	2	198072-17440	O-RING, 55.0	2							
3	2	172478-37710	RING, BACK UP 55	2							
4	2	172478-37720	SEAL,DUST DKB5569811	2							
5	2	172162-37770	TUBE ASSY, ADJUST	2							
6	2	172162-37800	PISTON, HYDRAULIC	2							
7	2	172122-37844	VALVE ASSY, NIPPLE	2							
8	3	24315-000140	O-RING, 1BP14.0	2							
9	3	24761-020000	NIPPLE, GREASE PT1/8	2							

Fig.175. (40A)CRAWLER ADJUST(S SPEC.)(FROM M1B873)

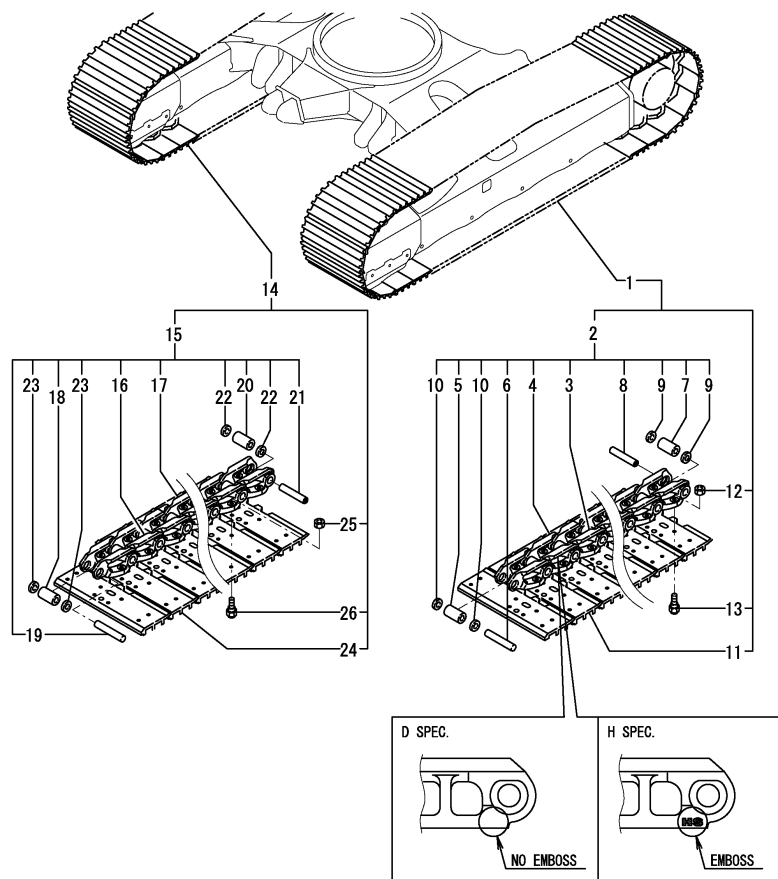
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-37750	CYLINDER ASSY,ADJUST	2							W
		(A=M1B873)									
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, DUST 55X69X11	2							
7	2	172B06-37951	NIPPLE, VALVE	2							

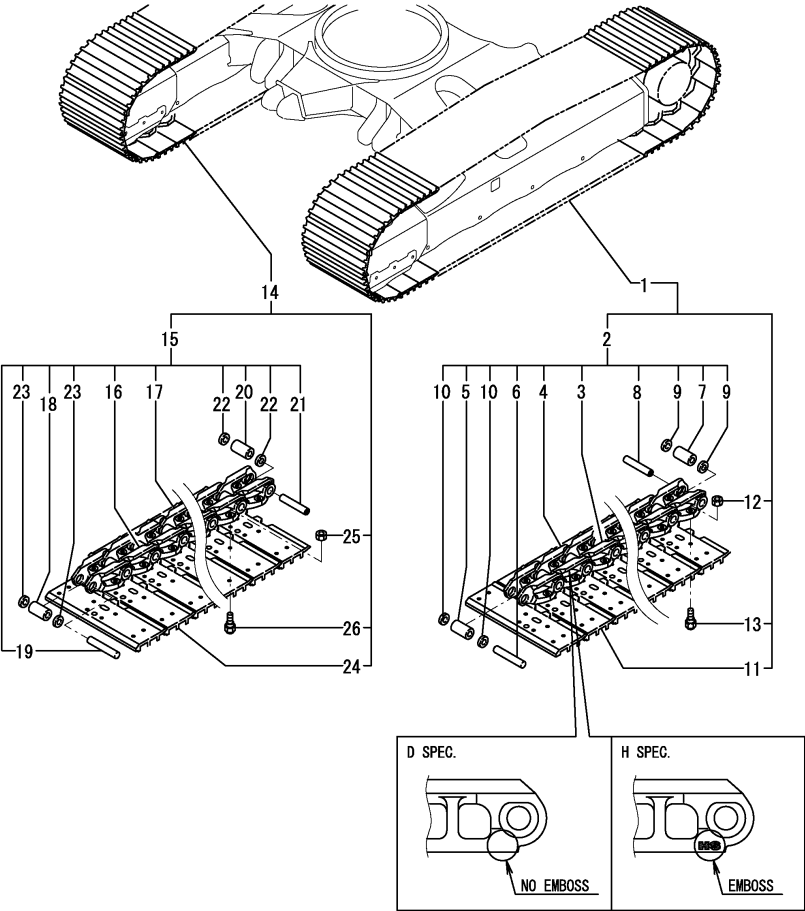
Remarks
* A : Y specifications have a slit for the identification.
S specifications do not have a slit for the identification.
Y specifications are shown in Fig.40.
The inner parts are not compatible.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-38100	SHOE ASSY,TRACK 450L	1						Z	1
		(A=MAF386)									
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	39							
12	2	172A89-38160	NUT, SHOE	156							
13	2	172A89-38170	BOLT, SHOE	156							
14	1	172A89-38110	SHOE ASSY,TRACK 450R	1						Z	2
		(A=MAF386)									
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	39							
25	2	172A89-38160	NUT, SHOE	156							
26	2	172A89-38170	BOLT, SHOE	156							

Remarks
(1)Replacement with Fig.179(41A) No1.
The inner parts are not compatible.
(2)Replacement with Fig.179(41A) No14.
The inner parts are not compatible.

Fig.179. (41A)IRON CRAWLER(D SPEC.)



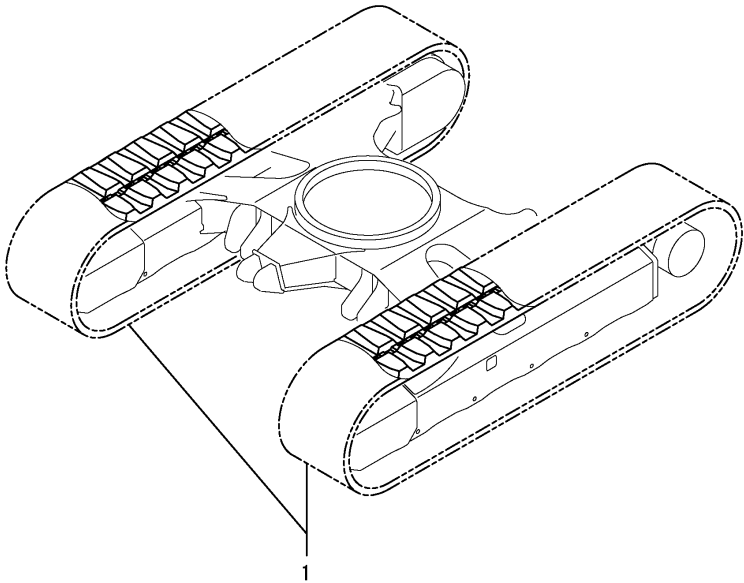
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-38100	SHOE ASSY,TRACK 450L	1							W
		(A=MAF386)									
2	2	172B11-38120	LINK ASSY	1							
3	3	172B11-38180	LINK, TRACK L	39							
4	3	172B11-38190	LINK, TRACK R	39							
5	3	172B11-38220	BUSH, TRACK	38							
6	3	172B11-38230	PIN, TRACK	38							
7	3	172B11-38240	BUSH, MASTER	1							
8	3	172B11-38250	PIN, MASTER	1							
9	3	172B11-38260	SPACER	2							
10	3	172B11-38280	SEAL, DUCT	76							
11	2	172B11-38130	SHOE, TRACK 450 L	39							
12	2	172B11-38160	NUT, SHOE	156							
13	2	172B11-38170	BOLT, SHOE	156							
14	1	172B11-38110	SHOE ASSY,TRACK 450R	1							W
		(A=MAF386)									
15	2	172B11-38120	LINK ASSY	1							
16	3	172B11-38180	LINK, TRACK L	39							
17	3	172B11-38190	LINK, TRACK R	39							
18	3	172B11-38220	BUSH, TRACK	38							
19	3	172B11-38230	PIN, TRACK	38							
20	3	172B11-38240	BUSH, MASTER	1							
21	3	172B11-38250	PIN, MASTER	1							
22	3	172B11-38260	SPACER	2							
23	3	172B11-38280	SEAL, DUCT	76							
24	2	172B11-38140	SHOE, TRACK 450 R	39							
25	2	172B11-38160	NUT, SHOE	156							
26	2	172B11-38170	BOLT, SHOE	156							

Remarks
* Iron crawler (H specification) are shown in Fig.41.
The inner parts are not compatible.

Fig.42. CRAWLER(RUBBER)



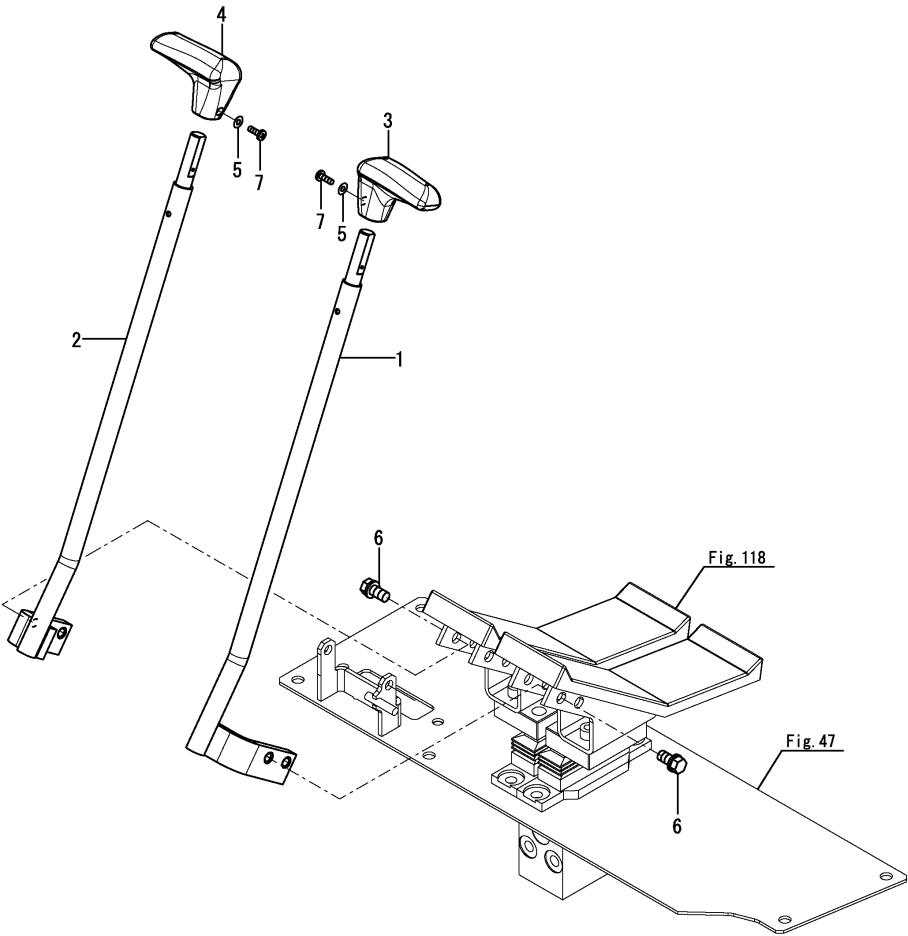
0CK50-M00640 Fig.42												
(A)=VIO80-1A C(KR)												
(B)=												
(C)=												
(D)=												
(E)=												
(F)=												
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172455-38601	CRAWLER, RUBBER 445	2								

Fig.43. TRAVEL LEVER

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

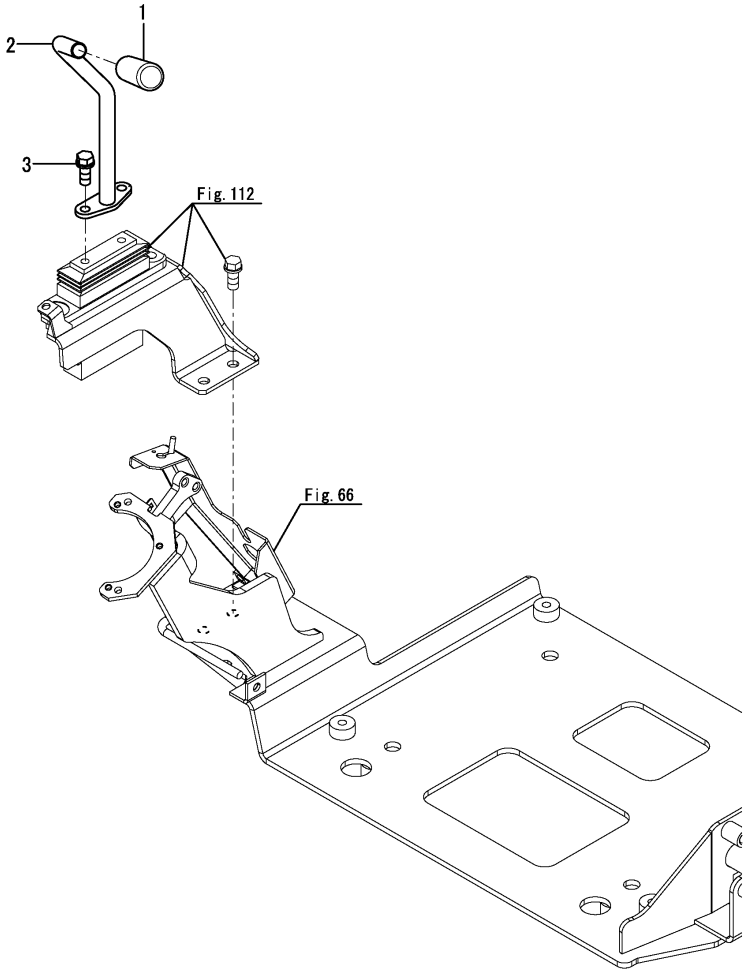
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-45211	LEVER ASSY, TRACK L	1							
2	1	172A69-45251	LEVER ASSY, TRACK R	1							
3	1	172187-45870	GRIP, DRIVE L	1							
4	1	172187-45880	GRIP, DRIVE R	1							
5	1	22117-040000	WASHER, 4	2							
6	1	26013-100202	BOLT,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

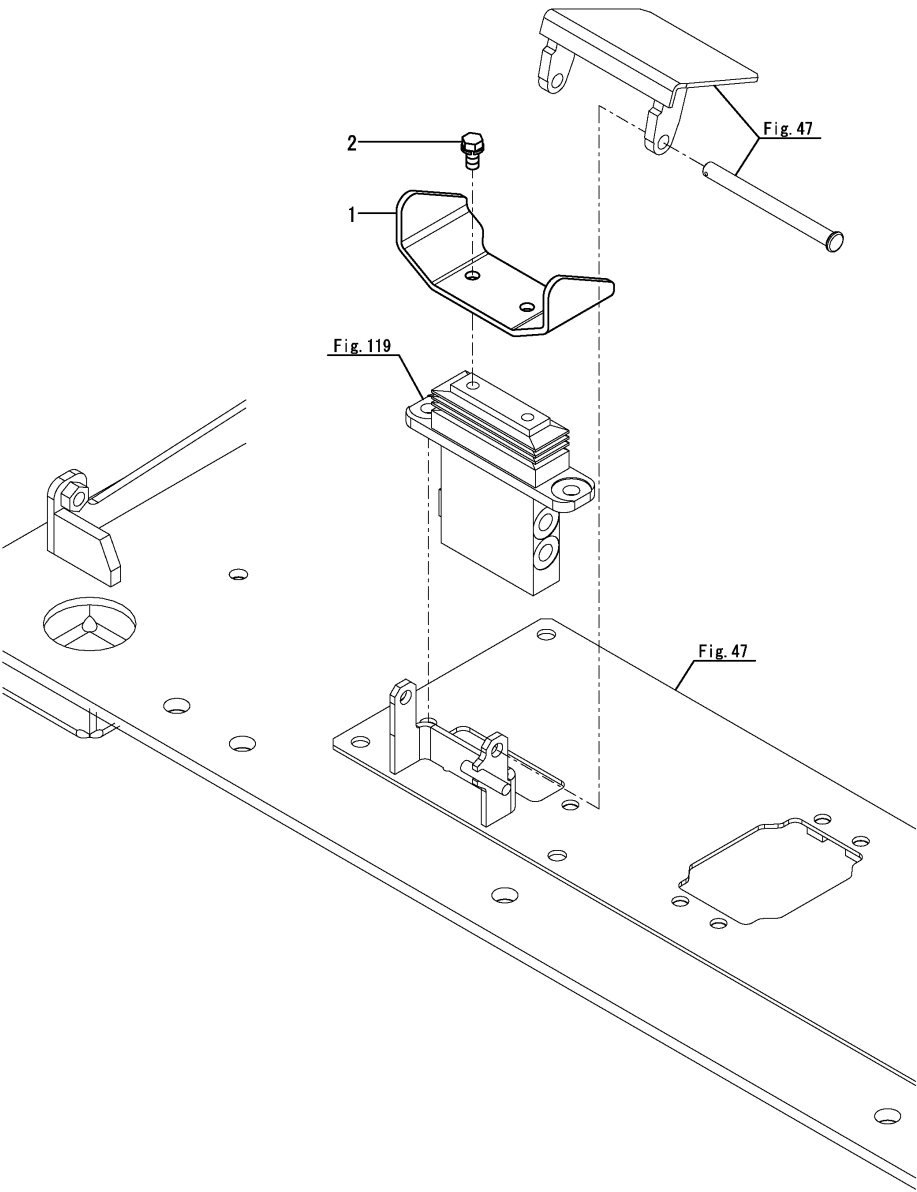


(A)=VIO80-1A C(KR)
(B)=
(C)=

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

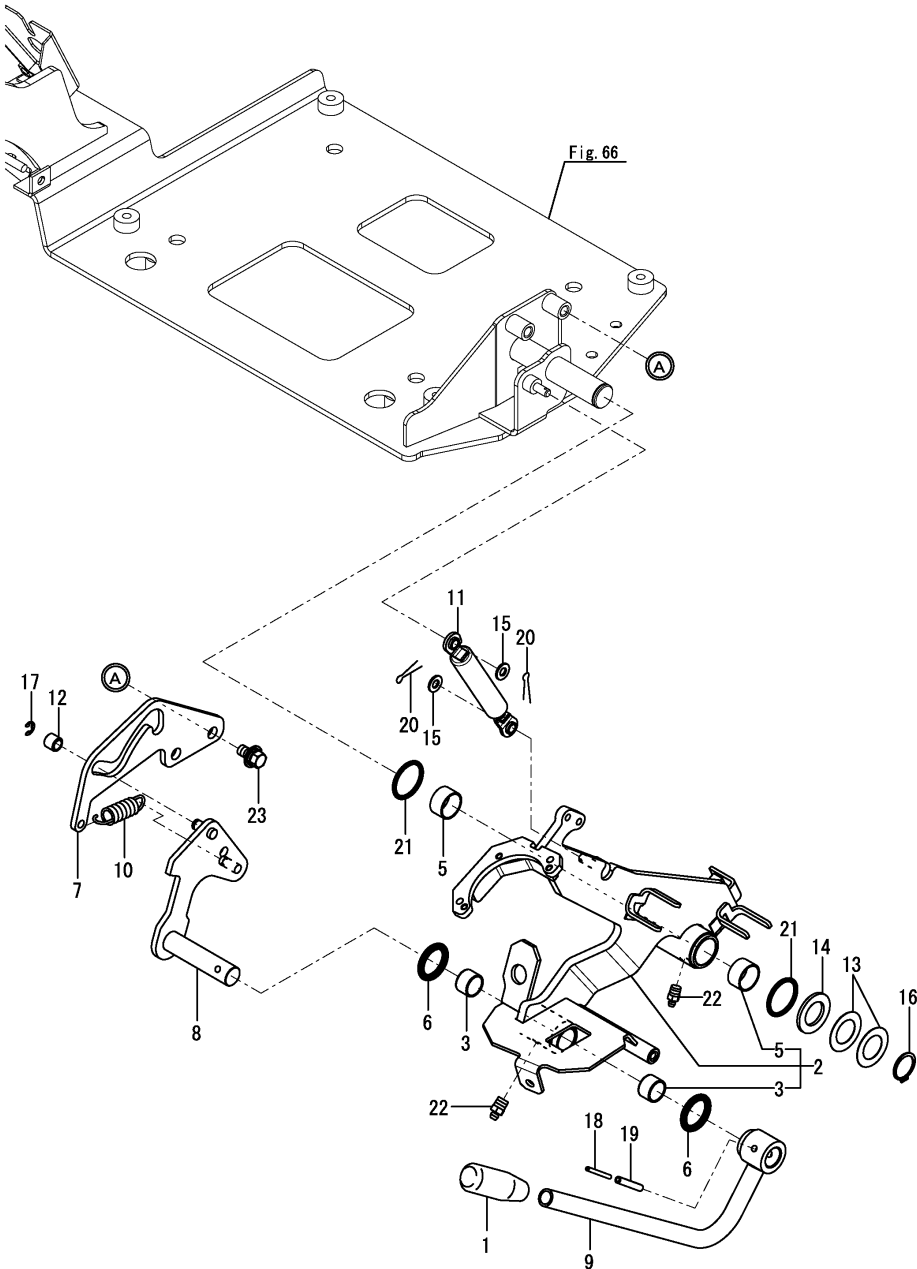
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172964-12140	GRIP	1							
2	1	172A69-45851	LEVER ASSY, BLADE	1							
3	1	26013-080162	BOLT, M8X 16	2							





0CK50-M00640 Fig.45												
(A)=VIO80-1A C(KR) (D)=												
(B)= (E)=												
(C)= (F)=												
Q'ty												
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	172A69-45350	PEDAL, SWING	1								
2	1	26013-080162	BOLT, M8X 16	2								

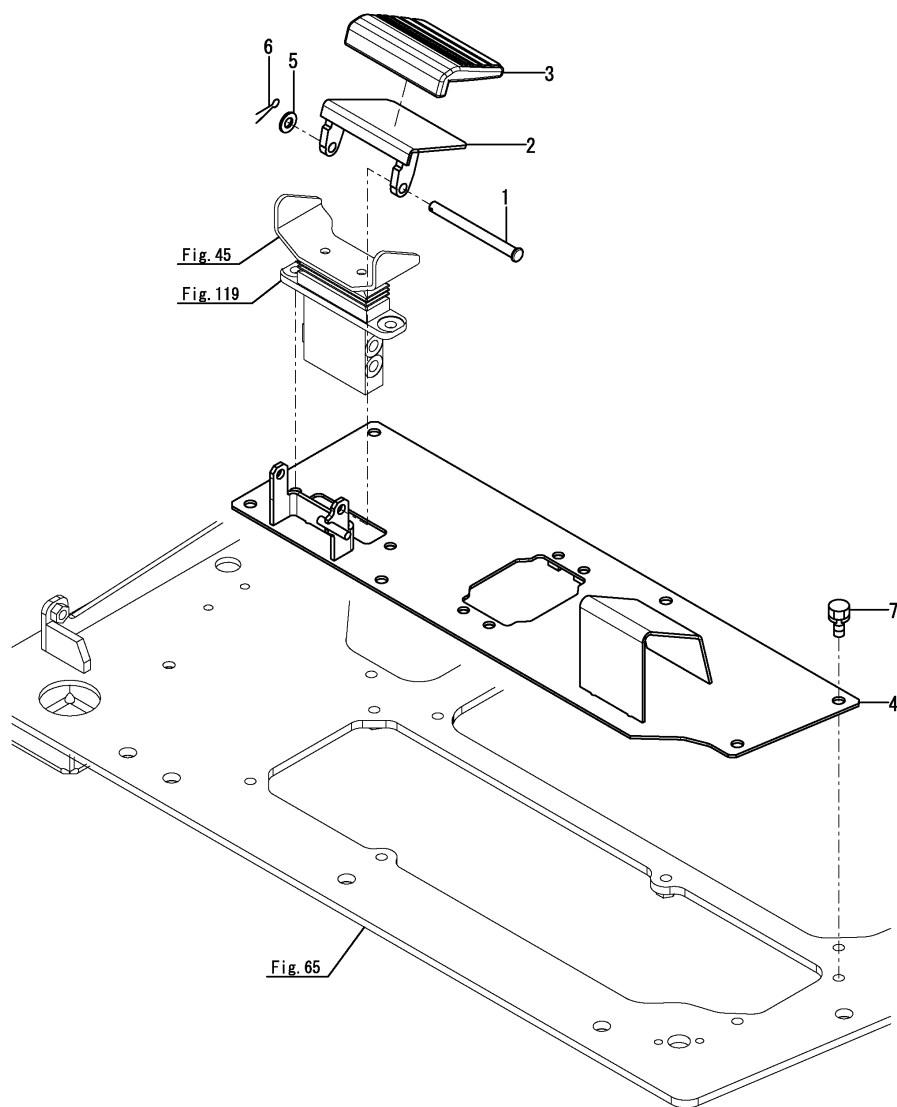
Fig.46. LOCK LEVER & LEVER STAND



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A77-46050	GRIP	1							
2	1	172A69-46101	STAND ASSY, LEVER L	1							
3	2	172141-41370	BUSH, 20 15	2							
5	2	24550-025150	BUSH, 25X15	2							
6	1	172124-46200	O-RING, 27.6X5.7	2							
7	1	172A69-46210	GUIDE, LOCK	1							
8	1	172A69-46220	ROD ASSY, SPRING	1							
9	1	172A69-46251	LEVER ASSY, LOCK	1							
10	1	172A69-46270	SPRING, 2.3X15X60	1							
11	1	172455-46890	SPRING, GAS	1							
12	1	172165-47550	BUSH	1							
13	1	172165-47980	SHIM, 42X25.5X0.5	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							
23	1	26014-100202	BOLT, M10X 20	2							

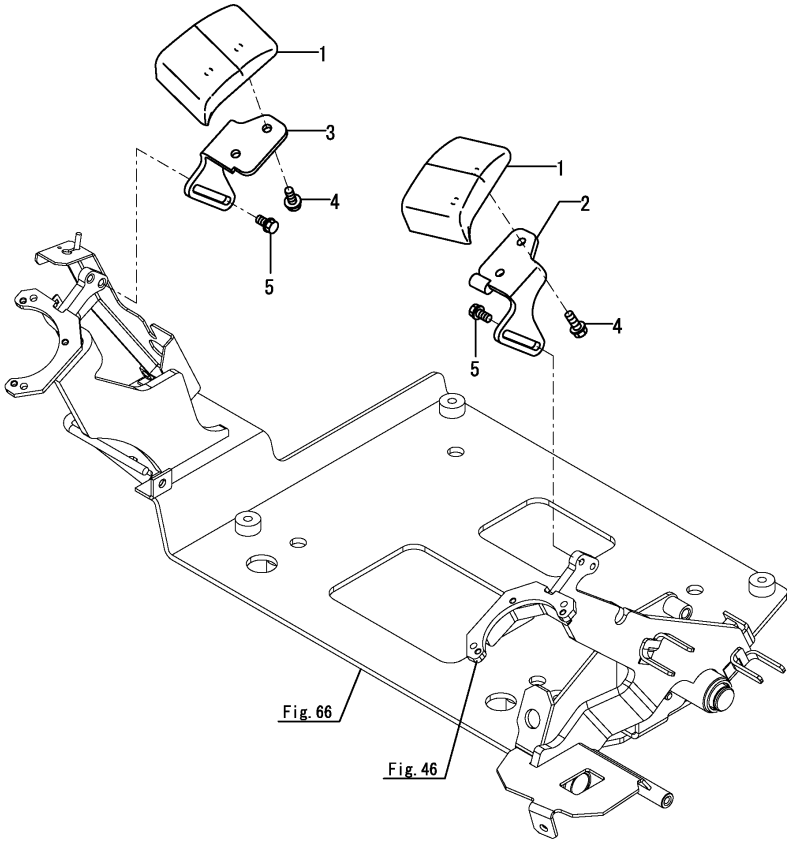


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-45651	SHAFT, PEDAL COVER	1							
2	1	172187-45720-2	COVER, PEDAL	1							
3	1	172187-45760	PAD	1							
4	1	172A69-45800	PLATE ASSY, PEDAL	1							
5	1	22137-100000	WASHER, 10	1							
6	1	22417-250200	PIN, COTTER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

(A)=VIO80-1A C(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	172A46-46500	GUIDE ASSY, L	1							
3	1	172A46-46530	PLATE, GUIDE R	1							
4	1	172519-63240	BOLT, M8X16	4							
4-1	1	172162-68370	BOLT, M8X12	4						N	
(A=MAH403)											
5	1	172519-63240	BOLT, M8X16	4							



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-50100	FRAME ASSY, LOWER	1							
2	1	172458-50480-2	COVER, FRAME	2							
3	1	26106-100122	BOLT, M10X 12 PLATED	4							

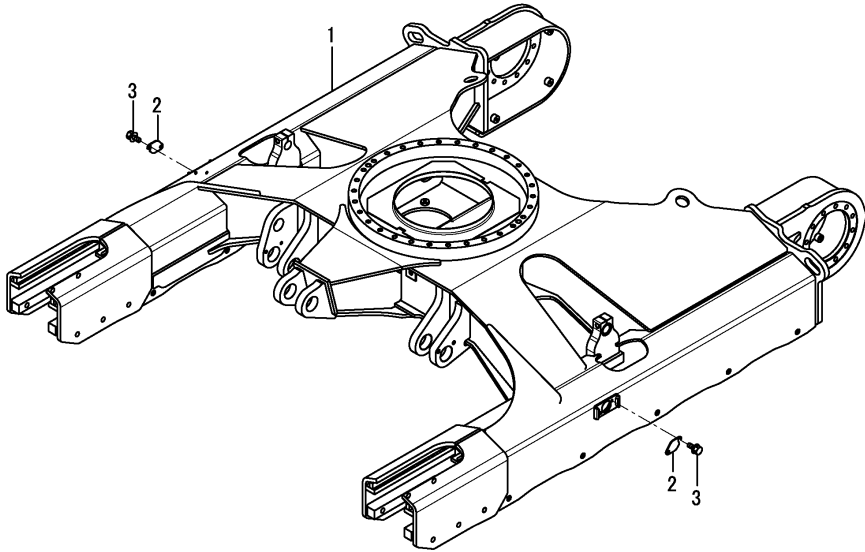
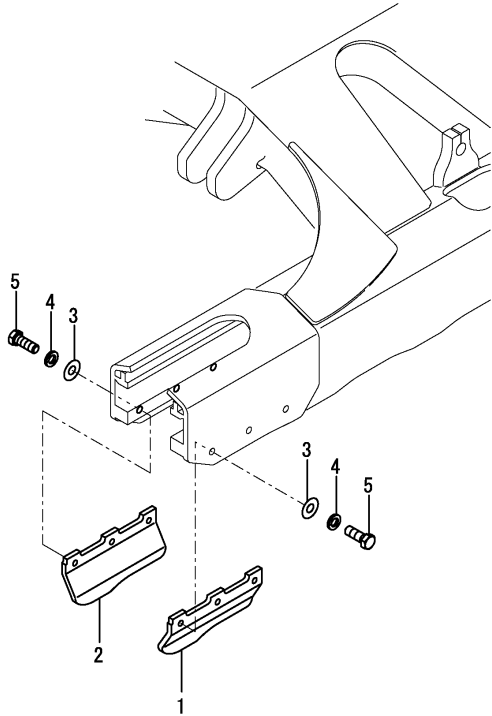


Fig.50. CRAWLER GUARD

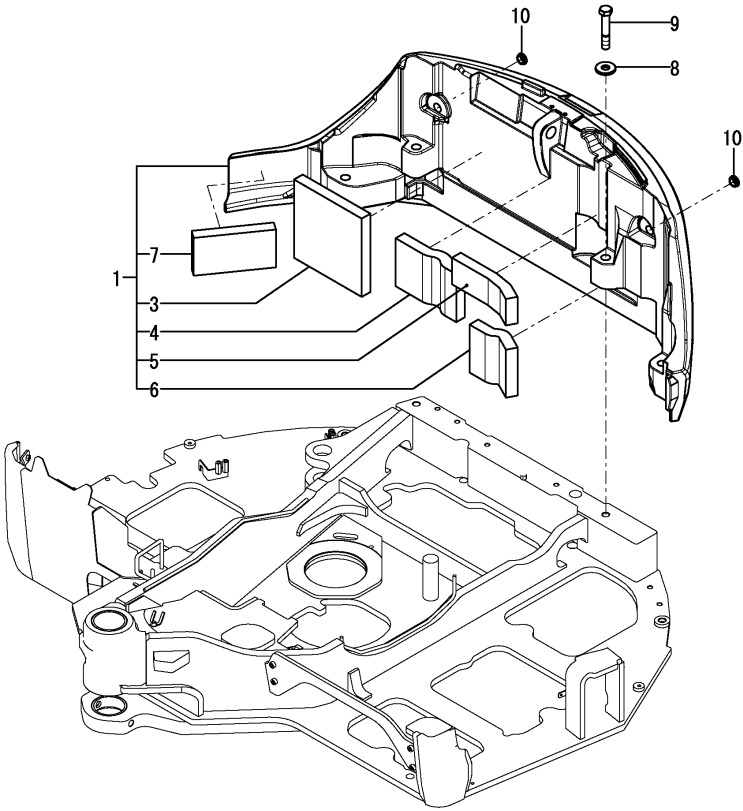


0CK50-M00640 Fig.50											
(A)=VIO80-1A C(KR)											
(D)=											
(B)=											
(E)=											
(C)=											
(F)=											
Q'ty											
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172187-50801-3	PLATE, GUARD	2							
2	1	172187-50811-3	PLATE, GUARD	2							
3	1	22137-160000	WASHER, 16	12							
4	1	22217-160000	WASHER, SPRING 16	12							
5	1	26116-160402	BOLT, M16X 40 PLATED	12							

Fig.51. COUNTER WEIGHT

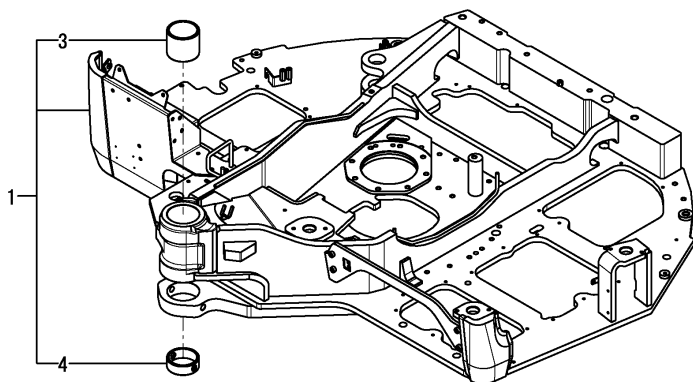
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

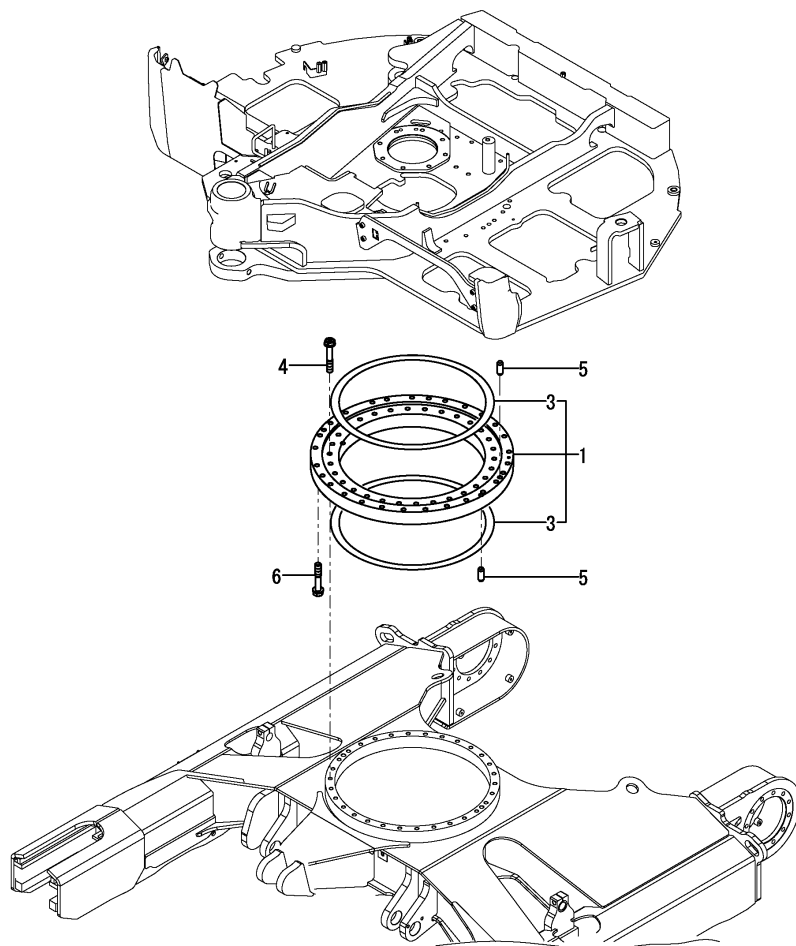


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-53300	WEIGHT ASSY, COUNTER	1							
3	2	172B11-53340	SPONGE, WEIGHT A	1							
4	2	172B11-53350	SPONGE, WEIGHT B	1							
5	2	172B11-53360	SPONGE, WEIGHT C	1							
6	2	172B11-53370	SPONGE, WEIGHT D	1							
7	2	172B11-53380	SPONGE, WEIGHT E	1							
8	1	172187-53321	WASHER, 24.5X65X8	4							
9	1	172455-53331	BOLT, 24X140	4							
10	1	172456-53700	GROMMET, 30	2							

Fig.52. TURNING FRAME



				(A)=VIO80-1A C(KR)	(D)=					
				(B)=	(E)=					
				(C)=	(F)=					
No.	Lev.	Parts No.	Description	Q'ty						
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	172B11-54100	FRAME ASSY, TURNING	1						
3	2	172A89-54500	BUSH, 100X100	1						
4	2	172187-54760	BUSH, 100X40	1						



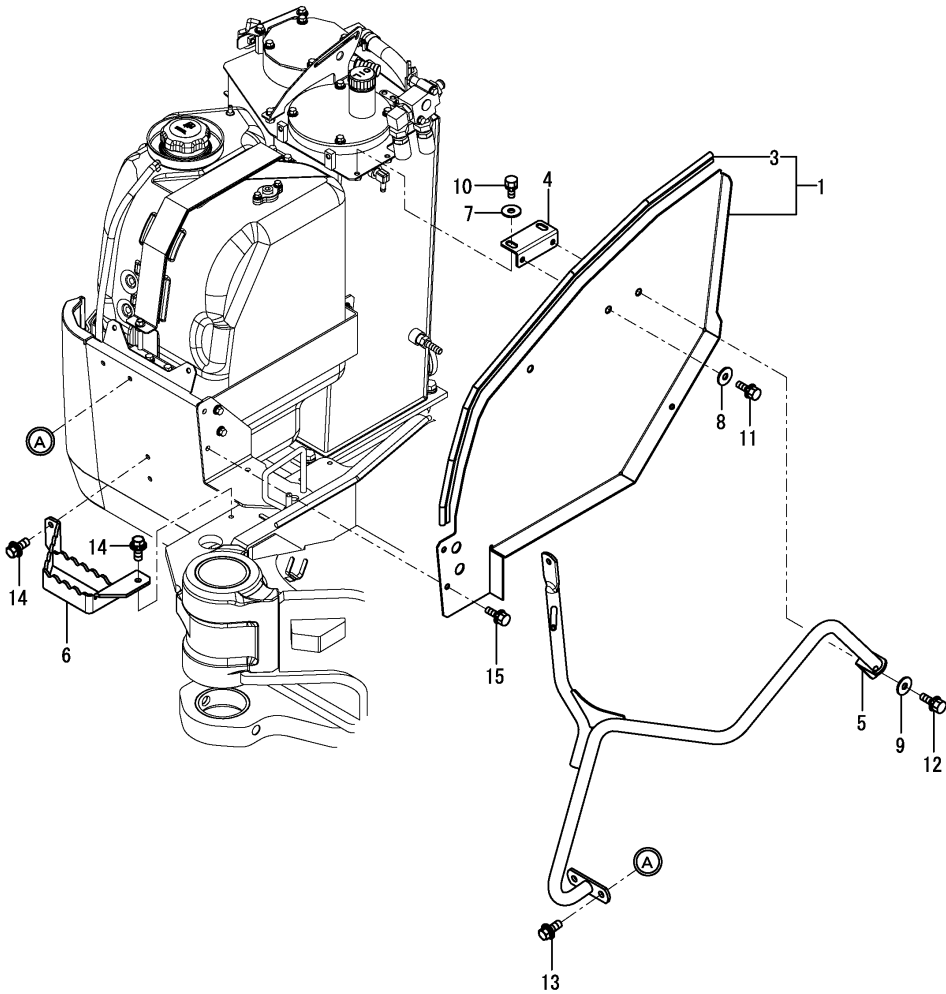
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A89-57600	BEARING ASSY,TURNING	1					
3	2	172A89-57620	SEAL	2					
4	1	172A69-57650	BOLT, 10.9 16X90	30					
5	1	172162-57660	PIN, PARALLEL 16X40	4					
6	1	172A69-57660	BOLT, 10.9 16X85	28					

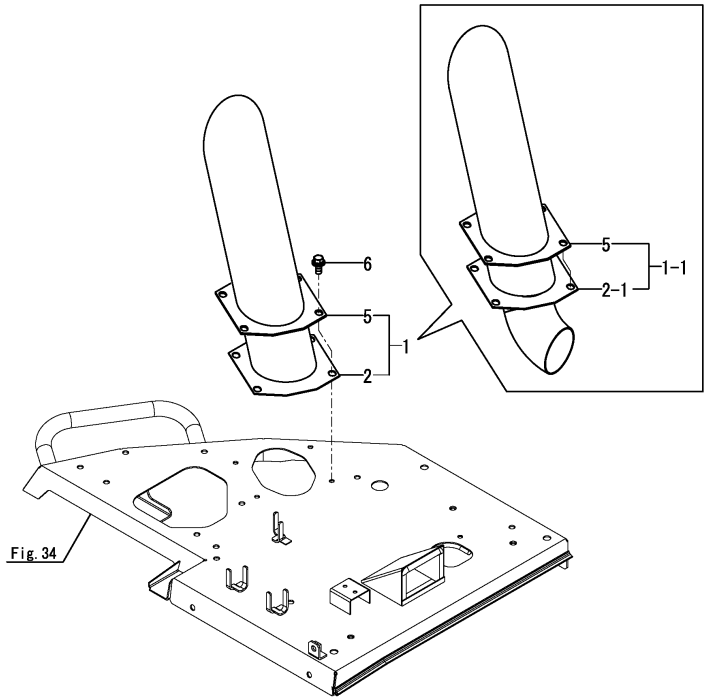
Fig.54. COVER(FUEL TANK SIDE)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61600	COVER ASSY, FUEL	1							
1-1	1	172B11-61601	COVER ASSY,FO	1						N	
(A=MAF519)											
3	2	172B11-61650	SEAL, 1060	1							
4	1	172B11-61660	STAY ASSY, COVER	1							
5	1	172B11-61830	GRIP ASSY, MIRROR	1							
6	1	172A69-62050	STEP ASSY	1							
7	1	22157-100000	WASHER, 10	2							
8	1	22157-100000	WASHER, 10	1							
9	1	22157-100000	WASHER, 10	1							
10	1	26013-100252	BOLT, M10X 25	2							
11	1	26013-100252	BOLT, M10X 25	1							
12	1	26013-100252	BOLT, M10X 25	1							
13	1	26014-100252	BOLT, M10X 25	2							
14	1	26014-100252	BOLT, M10X 25	3							
15	1	26014-100252	BOLT, M10X 25	2							



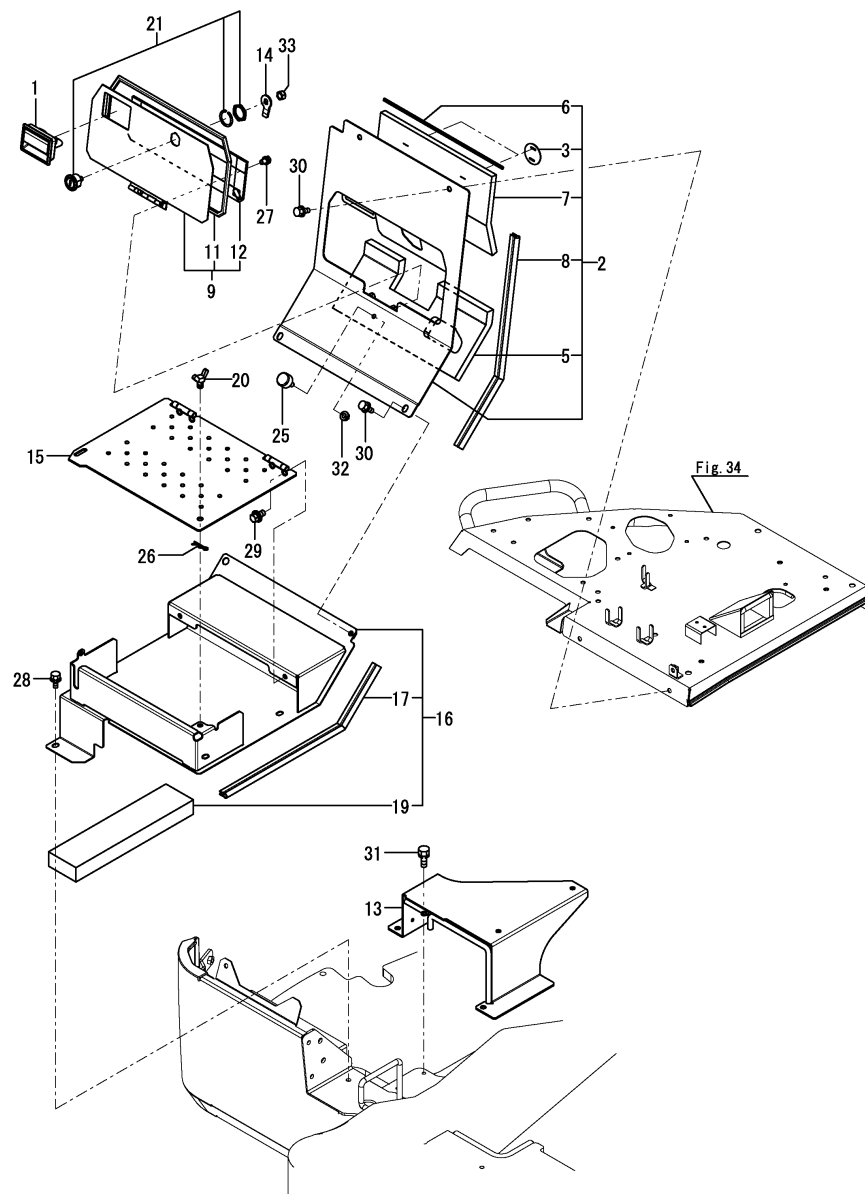


(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61900	COVER ASSY, TAIL	1							
1-1	1	172B11-61400	COVER ASSY, TAIL	1						S	1
(A=MAG539)											
2	2	172B11-61910	COVER ASSY, TAIL A	1							
2-1	2	172B11-61520	COVER ASSY, TAIL A	1						S	
(A=MAG539)											
5	2	172B11-61950	COVER ASSY, TAIL B	1							
6	1	26014-080202	BOLT, M8X 20	4							

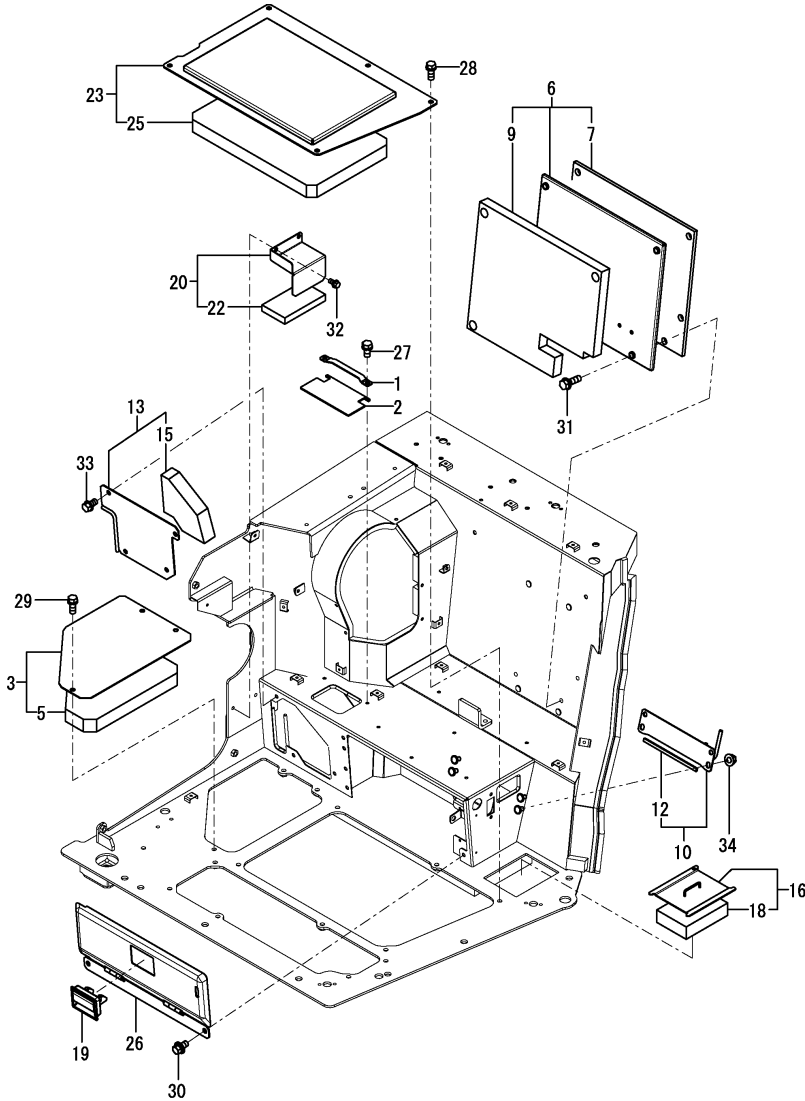
Remarks
(1)Interchangeable by simultaneous replacement with Fig.6 No.1-2.
Spare kit is shown in Fig.6 No.10-1.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1							1
1-1	1	172B02-69040	HANDLE, LOCK BLACK	1							S 2
		(A=MAF001)									
2	1	172B11-61680	COVER ASSY, CENTER	1							
3	2	172B11-18570	PLATE, INSULATOR	2							
5	2	172B11-61720	SPONGE, COVER A	1							
6	2	172B11-61730	SEAL, 385	1							
7	2	172B11-61810	INSULATOR, B	1							
8	2	172A64-64940	SEAL, 560	1							
9	1	172B11-61760	COVER ASSY, ENGINE	1							
11	2	172A69-61780	SEAL, 1020	1							
12	2	172B11-61820	INSULATOR, G	1							
13	1	172A89-61800	BRACKET ASSY, COVER	1							
14	1	172B11-61800	PLATE, LOCK	1							
15	1	172A89-61880	COVER ASSY, TOOL BOX	1							
16	1	172A89-61900	BASE ASSY, TOOL BOX	1							
17	2	172A69-13690	SEAL, 540	1							
19	2	172A89-61981	PAD, TOOL BOX A	1							
20	1	172142-62301	WING BOLT, M10X20	1							
21	1	172B03-66170	CYLINDER ASSY, KEY	1							
25	1	172176-67150	RUBBER, STOPPER 20	1							
26	1	22372-100000	PIN, SNAP 10	1							
27	1	26013-080122	BOLT, M8X 12	2							
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	26014-100202	BOLT, M10X 20	3							
32	1	26051-080002	NUT, M8	1							
33	1	26347-100002	NUT, M10	1							

(1)Color = DARK OLIVE GRAY.
(2)Color = BLACK.

Fig.57. COVER(SEAT MOUNT)

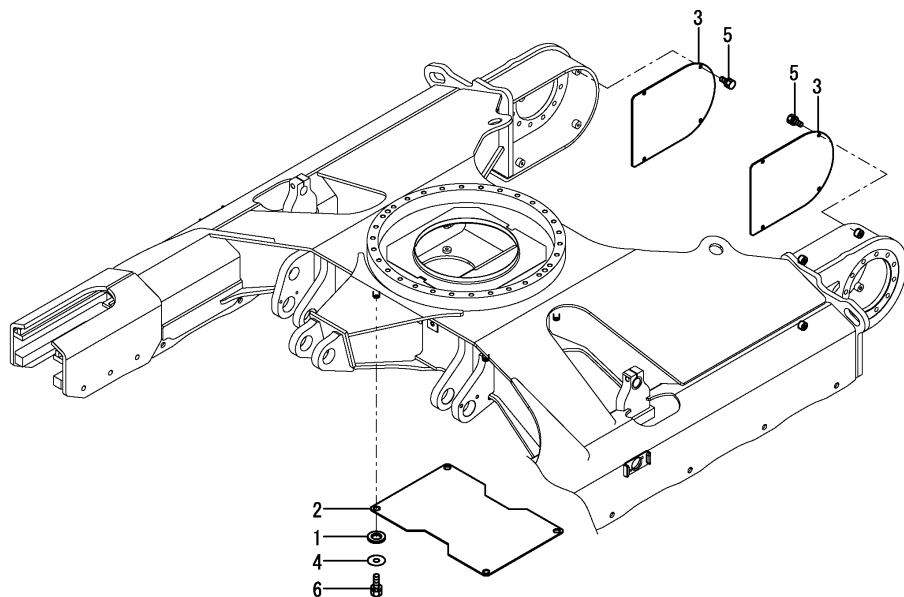


(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-61010	BRACKET, PLATE	1							
2	1	172A69-61020	PLATE, RUBBER	1							
3	1	172B11-61050	PLATE ASSY	1							
5	2	172B11-61060	SPONGE, PLATE	1							
6	1	172B11-61140	COVER ASSY, SEAT	1							
7	2	172A69-61120	PAD, COVER	1							
9	2	172B11-61290	SPONGE, COVER REAR	1							
10	1	172B11-61150	COVER ASSY, HOSE	1							
12	2	172A65-64840	SEAL, 190	1							
13	1	172B11-61240	COVER ASSY, HOSE	1							
15	2	172B11-61280	SPONGE, HOSE COVER	1							
16	1	172B11-61300	COVER ASSY, MULTI	1							
18	2	172B11-61330	SPONGE, MULTI COVER	1							
19	1	172187-61421	HANDLE, LOCK	1							1
19-1	1	172B02-69040	HANDLE, LOCK BLACK	1						S	2
(A=MAF001)											
20	1	172B11-61420	COVER ASSY,FLOOR MAT	1							
22	2	172B11-61470	SPONGE, MAT COVER	1							
23	1	172B11-62200	STEP ASSY	1							
25	2	172B11-62210	SPONGE, STEP	1							
26	1	172A69-64760	COVER ASSY, FL P	1							
27	1	26013-080162	BOLT, M8X 16	2							
28	1	26013-100252	BOLT, M10X 25	5							
29	1	26013-100252	BOLT, M10X 25	3							
30	1	26014-100202	BOLT, M10X 20	2							
31	1	26014-100302	BOLT, M10X 30	4							
32	1	26106-080162	BOLT, M8X 16 PLATED	2							
33	1	26106-100162	BOLT, M10X 16 PLATED	4							
34	1	26366-100002	NUT, M10	4							

Remarks
(1)Color = DARK OLIVE GRAY.
(2)Color = BLACK.

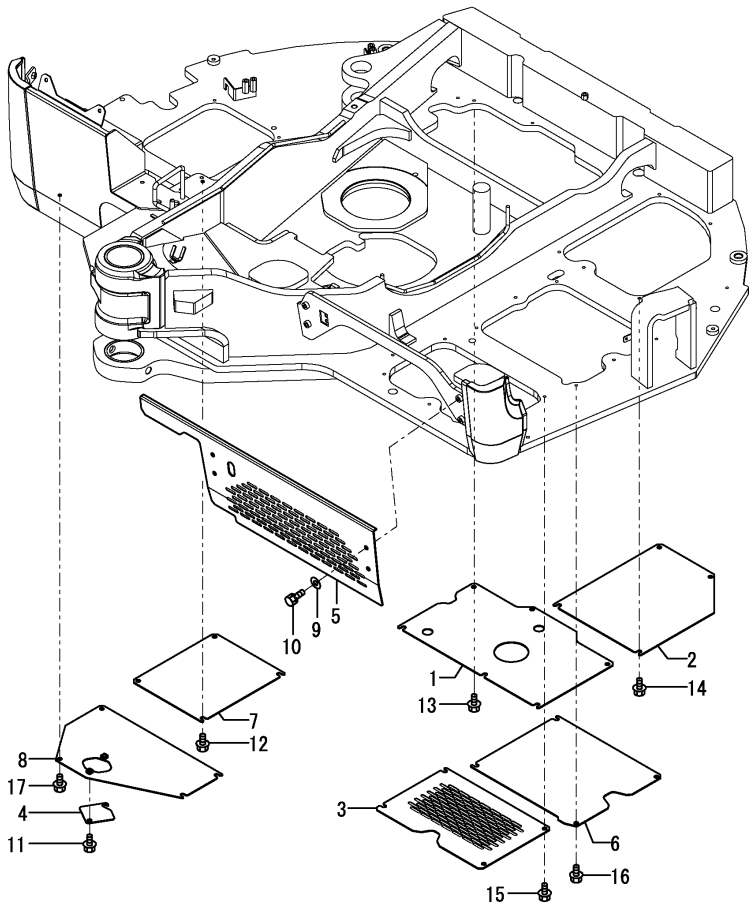


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172162-61500	RUBBER	4							
2	1	172187-61500-3	COVER	1							
3	1	172A89-61540	COVER, TRAVEL	2							
4	1	22157-120000	WASHER, 12	4							
5	1	26013-100202	BOLT, M10X 20	8							
6	1	26013-120302	BOLT, M12X 30	4							

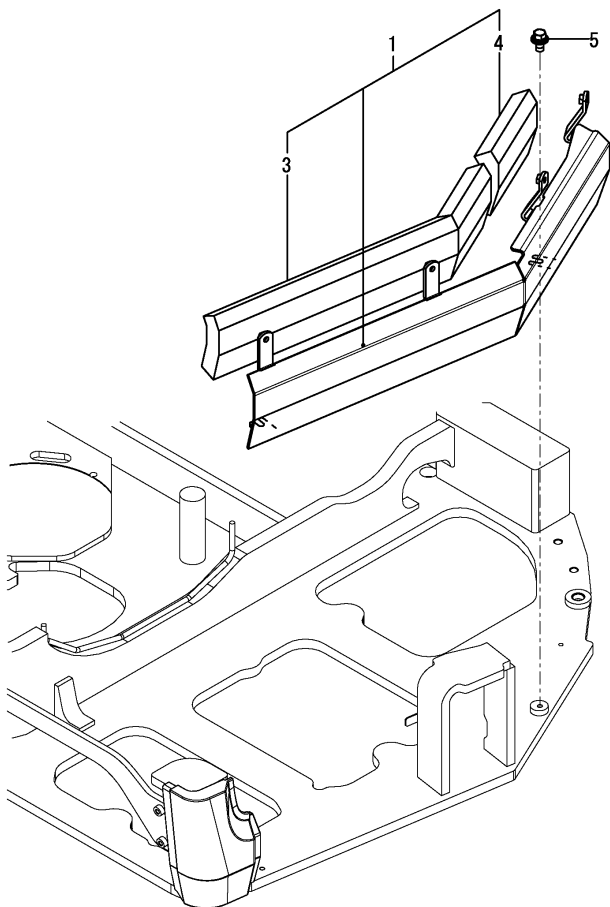
Fig.59. COVER(TURNING FRAME)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61500	COVER, OIL PAN	1							
2	1	172A89-61510	COVER, PUMP	1							
3	1	172A89-61520-N	COVER, C/V A	1							
4	1	172A89-61530	COVER, FUEL DRAIN	1							
5	1	172B11-61550	COVER, FRAME FL	1							
6	1	172A69-61560	COVER, B C/V	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=MAG477)											
9	1	22137-100000	WASHER, 10	4							
10	1	26013-100162	BOLT, M10X 16	4							
11	1	26106-100162	BOLT, M10X 16 PLATED	2							
12	1	26106-100162	BOLT, M10X 16 PLATED	4							
13	1	26106-100162	BOLT, M10X 16 PLATED	6							
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	4							

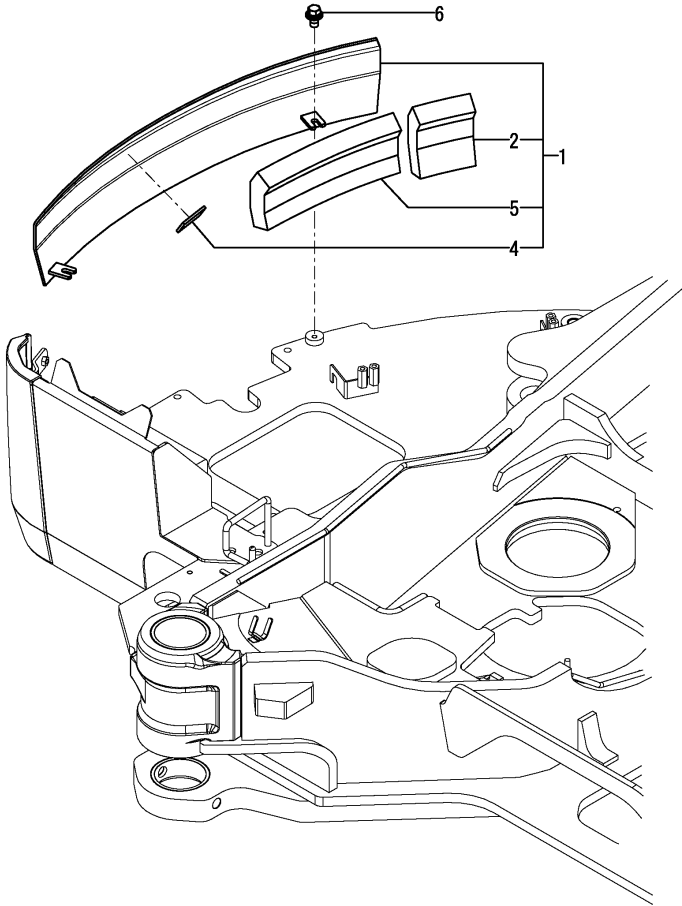


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61340	GUARD ASSY, FRAME L	1							
3	2	172B11-61380	SPONGE, GUARD L A	1							
4	2	172B11-61390	SPONGE, GUARD L B	1							
5	1	26106-100202	BOLT, M10X 20 PLATED	2							

Fig.61. FRAME GUARD(RIGHT)

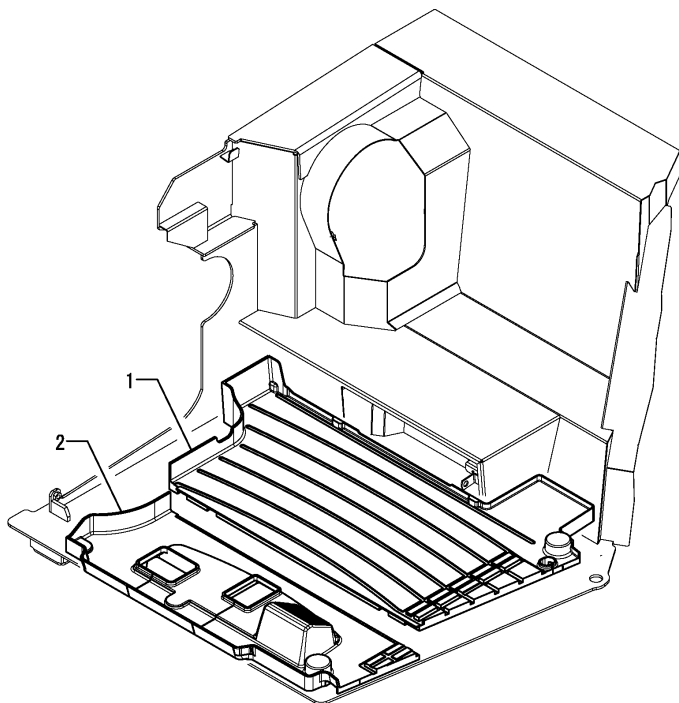
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



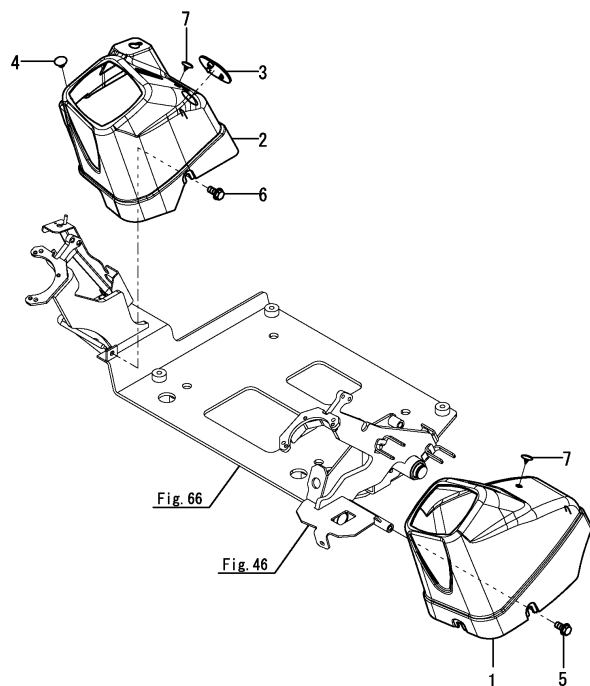
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61440	GUARD ASSY, FRAME R	1							
2	2	172B11-61330	SPONGE, MULTI COVER	1							
4	2	172A89-61470	PLATE, RUBBER	1							
5	2	172B11-62020	SPONGE, GUARD R B	1							
6	1	26106-100202	BOLT, M10X 20 PLATED	2							

Fig.62. FLOOR MAT



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-62150	MAT, FLOOR A	1							
2	1	172A69-62160	MAT, FLOOR B	1							

Fig.63. LEVER BOX



(1)Color = DARK OLIVE GRAY.
(2)Color = PANTONE 425C.

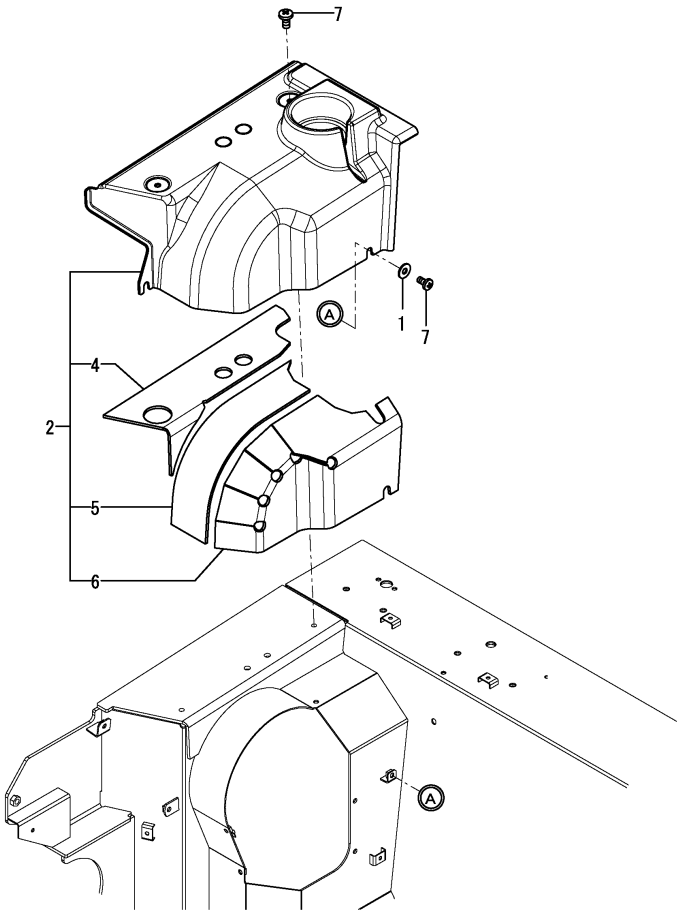
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-63110	BOX, CONTROL L	1							1
1-1	1	172B11-63210	BOX, CONTROL L D	1							S 2
		(A=MAF001)									
2	1	172B11-63120	BOX, CONTROL R	1							1
2-1	1	172B11-63220	BOX, CONTROL R D	1							S 2
		(A=MAF001)									
3	1	172B11-63130	COVER, CONTROL R	1							1
3-1	1	172B11-63230	COVER, CONTROL R D	1							S 2
		(A=MAF001)									
4	1	172187-63160	CLIP	1							
5	1	172519-63240	BOLT, M8X16	3							
6	1	172519-63240	BOLT, M8X16	2							
7	1	172176-68210	CLIP, TREE D25XL15	2							

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

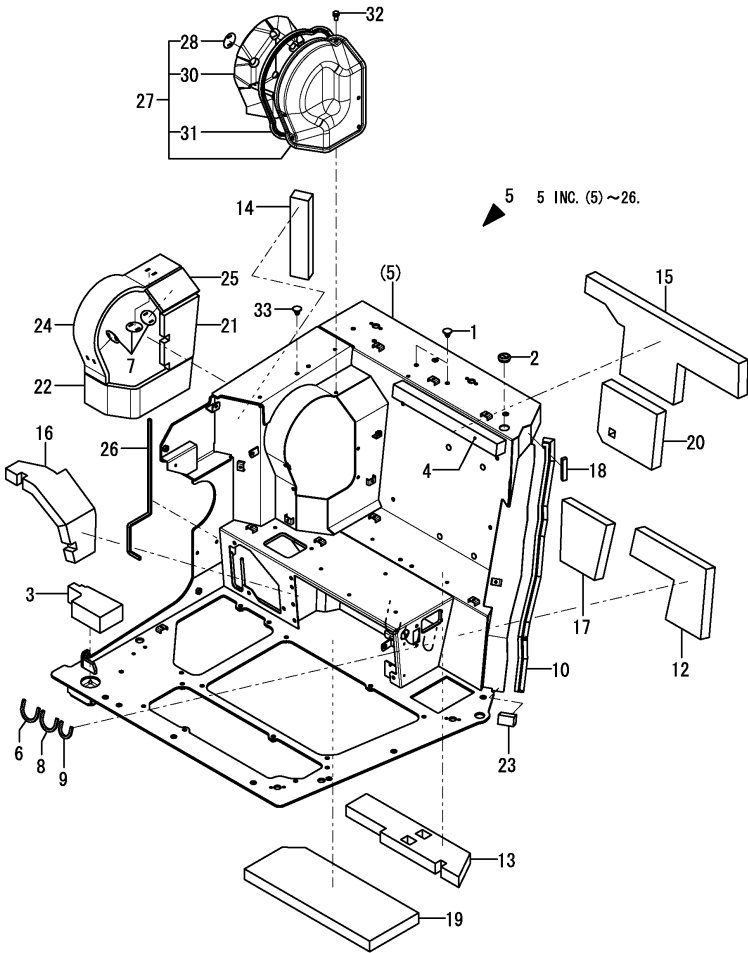


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-62430	WASHER, M8	1							
2	1	172B11-63150	COVER ASSY, SIDE	1							1
2-1	1	172B11-63250	COVER ASSY,SIDE D	1						S	2
(A=MAF001)											
4	2	172B11-63170	SHEET, INSULATION A	1							
5	2	172B11-63180	SHEET, INSULATION B	1							
6	2	172B11-63190	SHEET, INSULATION C	1							
7	1	172137-69850	SCREW, BIND	3							

Remarks
(1)Color = WARM IVORY.
(2)Color = PANTONE 425C.

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172122-17190	CLIP, TREE	2							
2	1	172B11-18880	GROMMET, 30	1							
3	1	172B11-62250	SPONGE, T60	1							
4	1	172B11-64170	CUSHION, SEAT	1							
5	1	172B11-64200	MOUNT ASSY, SEAT	1							
6	2	172444-17620	SEAL, 125	1							
7	2	172B11-18570	PLATE, INSULATOR	3							
8	2	172458-18850	PROTECTOR, 105	1							
9	2	172538-19700	SEAL, 135	1							
10	2	172162-61330	SEAL, COVER A	1							
12	2	172B11-64610	SPONGE, SEAT MOUNT	1							
13	2	172B11-64620	SPONGE, SEAT MOUNT	1							
14	2	172B11-64640	SPONGE, SEAT MOUNT	1							
15	2	172B11-64660	SPONGE, SEAT MOUNT	1							
16	2	172B11-64670	SPONGE, SEAT MOUNT	1							
17	2	172B11-64680	SPONGE, SEAT MOUNT	1							
18	2	172A69-64710	SEAL, SEAT MOUNT	1							
19	2	172B11-64820	SPONGE, SEAT MOUNT	1							
20	2	172B11-64830	SPONGE, SEAT MOUNT	1							
21	2	172B11-64840	SPONGE, SEAT MOUNT	1							
22	2	172B11-64850	INSULATOR, D	1							
23	2	172B11-64860	SEAL, SEAT MOUNT	1							
24	2	172B11-64910	INSULATOR, E	1							
25	2	172B11-64920	INSULATOR, F	1							
26	2	172187-66140	RUBBER, EDGE 580	1							
27	1	172B11-64690	COVER ASSY, DPF	1							
28	2	172B11-18570	PLATE, INSULATOR	1							
30	2	172B11-64810	INSULATOR, C	1							
31	2	172B11-64870	SEAL, 1200	1							
32	1	26013-080162	BOLT, M8X 16	5							
33	1	172122-17190	CLIP, TREE	2							

Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

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	172B11-64950	FRAME ASSY, SLIDE	1							
4	1	26013-100252	BOLT, M10X 25	2							
5	1	26450-080162	BOLT, M8X 16	8							

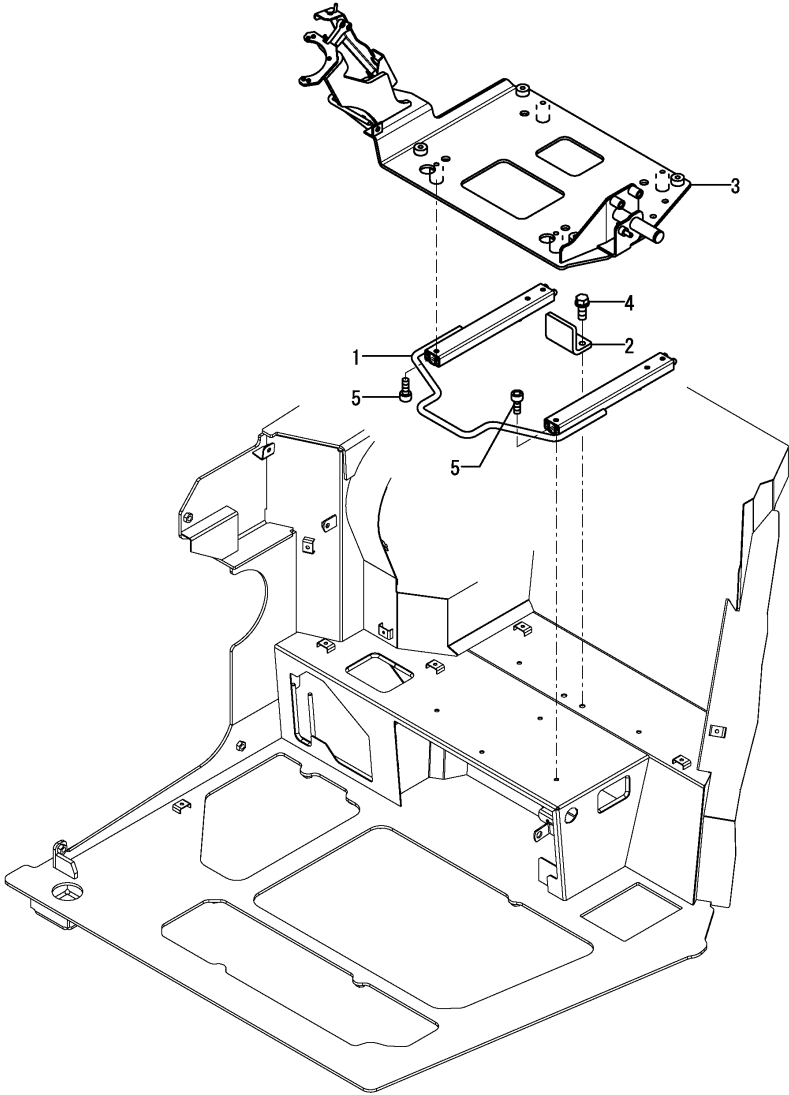
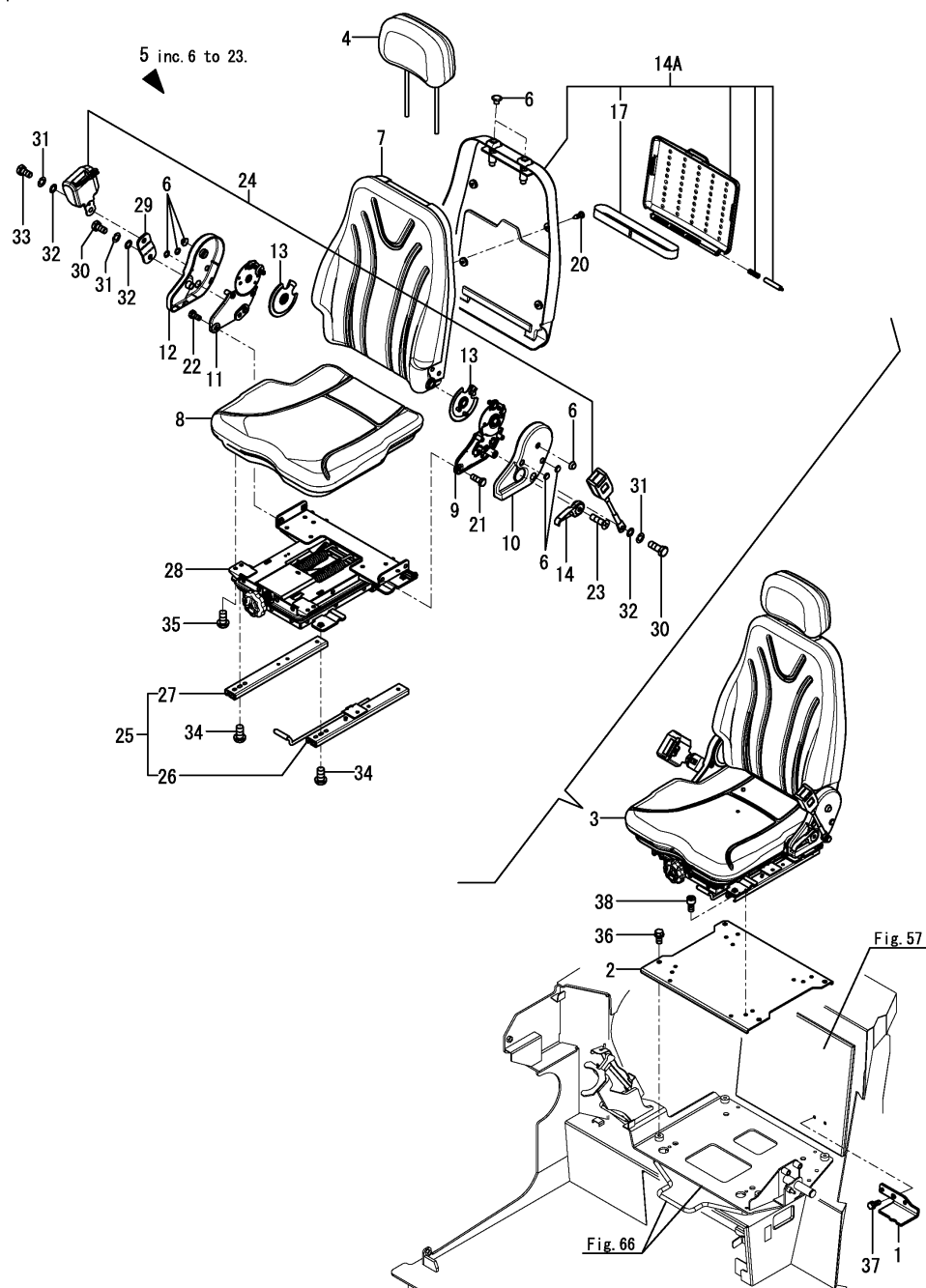


Fig.67. SEAT

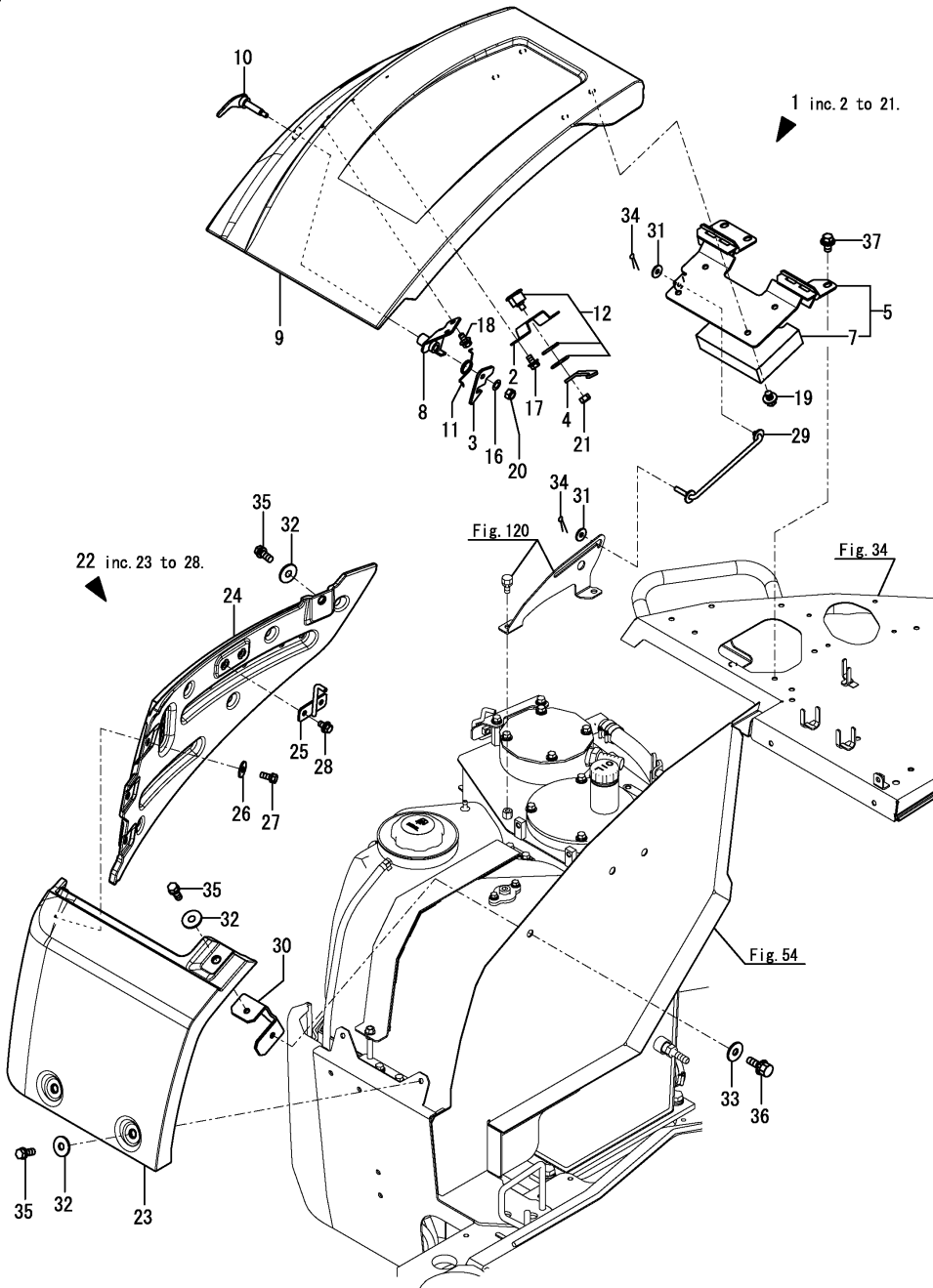


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61080	STOPPER, SEAT	1							
1-1	1	172B11-61130	STOPPER, SEAT	1							N
(A=MAF745)											
2	1	172A69-64120	PLATE ASSY	1							
3	1	172A69-64800	SEAT ASSY	1							
4	2	172A89-64720	HEADREST	1							
5	2	172A89-64730	SEAT ASSY, OPERATOR	1							
6	3	172A89-64760	CAP ASSY	1							
7	3	172A89-64770	SEAT, OPERATOR	1							
8	3	172A89-64780	SEAT, CUSHION	1							
9	3	172A89-64820	HINGE ASSY	1							
10	3	172A89-64830	COVER	1							
11	3	172A89-64840	HINGE ASSY	1							
12	3	172A89-64850	COVER	1							
13	3	172A89-64870	COVER	2							
14	3	172A89-64880	LEVER	1							
14A	3	172A89-64980	BOX ASSY,MANUAL	1							
17	4	172A89-64950	BAND	1							
20	3	22859-500160	SCREW, 5X16	4							
21	3	26106-100162	BOLT, M10X 16 PLATED	4							
22	3	26106-100162	BOLT, M10X 16 PLATED	4							
23	3	26559-050202	SCREW, M5X20	1							
24	2	172A89-64740	SEATBELT ASSY	1							
25	2	172A89-64750	RAIL ASSY	1							
26	3	172A89-64800	RAIL ASSY, TL	1							
27	3	172A89-64810	RAIL ASSY, TR	1							
28	2	172A89-64790	SEAT, SPRING	1							
29	2	172A89-64860	BRACKET ASSY	1							
30	2	172A89-64890	BOLT	2							
31	2	172A89-64900	SPRING	3							
32	2	172A89-64910	WASHER	3							
33	2	172A89-64920	BOLT	1							
34	2	26106-080162	BOLT, M8X 16 PLATED	4							
35	2	26106-080162	BOLT, M8X 16 PLATED	4							
36	1	26013-100162	BOLT, M10X 16	4							
36-1	1	26014-100252	BOLT, M10X 25	4							N
(A=MAF745)											
37	1	26014-080162	BOLT, M8X 16	2							
38	1	26450-080162	BOLT, M8X 16	4							

Fig.68. BONNET(BODY)

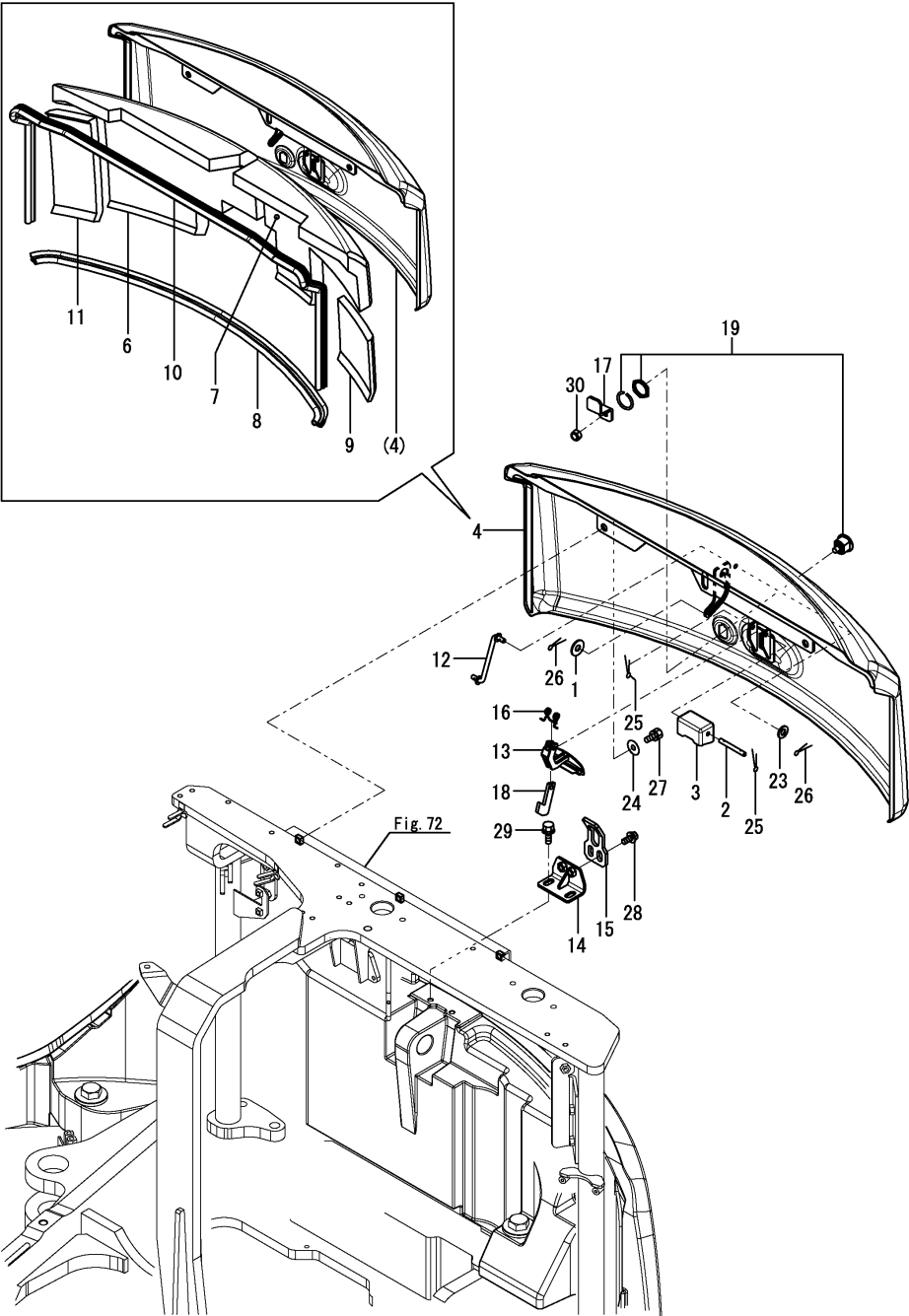
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-62410	BONNET ASSY, U	1							
2	2	172B03-61960	LOCK, PLATE	1							
3	2	172A69-62280	PLATE, LOCK	1							
4	2	172B11-62290	STAY, KEY	1							
5	2	172B11-62300	PLATE ASSY, HINGE	1							
7	3	172B11-62900	SPONGE, BONNET B	1							
8	2	172A69-62310	HOOK ASSY	1							
9	2	172A69-62420	BONNET, UPPER B	1							
10	2	172A69-62510	LEVER ASSY	1							
11	2	172156-65690	SPRING, STOPPER	1							
12	2	172B03-66170	CYLINDER ASSY, KEY	1							
16	2	22137-080000	WASHER, 8	1							
17	2	26014-080162	BOLT, M8X 16	2							
18	2	26014-080162	BOLT, M8X 16	2							
19	2	26014-100162	BOLT, M10X 16	4							
20	2	26347-080002	NUT, M8	1							
21	2	26347-100002	NUT, M10	1							
22	1	172A69-62430	BONNET ASSY, LOWER B	1							
23	2	172A69-62440	BONNET, FRONT B	1							
24	2	172A69-62450	BONNET, REAR B	1							
25	2	172A69-62470	BAR ASSY, CATCH	1							
26	2	22157-080000	WASHER, 8	3							
27	2	26013-080202	BOLT, M8X 20	3							
28	2	26014-080162	BOLT, M8X 16	2							
29	1	172A69-62650	ROD ASSY, STOPPER	1							
30	1	172A69-65530	STAY ASSY, BONNET	1							
31	1	22157-080000	WASHER, 8	2							
32	1	22157-100000	WASHER, 10	4							
33	1	22157-100000	WASHER, 10	1							
34	1	22417-200200	PIN, COTTER 2.0X20	2							
35	1	26013-100252	BOLT, M10X 25	4							
36	1	26013-100252	BOLT, M10X 25	1							
37	1	26014-100202	BOLT, M10X 20	3							

Fig.69. BONNET(REAR)



0CK50-M00640 Fig.69												
(A)=VIO80-1A C(KR) (D)=												
(B)= (E)=												
(C)= (F)=												
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	1A1380-62160	WASHER, BELT COVER	1								
2	1	172458-65050	SHAFT	1								
3	1	172458-65060	COVER, BONNET LOCK	1								
4	1	172B11-65120	BONNET ASSY, A	1								
6	2	172B11-65160	SPONGE, BONNET A	1								
7	2	172B11-65170	SPONGE, BONNET A	1								
8	2	172A69-65180	RUBBER, SEAL 1070	1								
9	2	172B11-65180	SPONGE, BONNET A	1								
10	2	172A69-65190	RUBBER, SEAL 1760	1								
11	2	172B11-65190	SPONGE, BONNET A	1								
12	1	172444-65190	ROD ASSY, STOPPER	1								
13	1	172187-65210	LEVER ASSY, LOCK	1								
14	1	172B11-65220	BRACKET ASSY, LOCK	1								
15	1	172187-65270	PLATE, CATCH	1								
16	1	172734-65270	SPRING, CATCH	1								
17	1	172B11-65270	PLATE, LOCK	1								
18	1	172124-65480	CATCHER	1								
19	1	172B03-66170	CYLINDER ASSY, KEY	1								
23	1	22137-080000	WASHER, 8	1								
24	1	22157-100000	WASHER, 10	3								
25	1	22417-200200	PIN, COTTER 2.0X20	2								
26	1	22417-200200	PIN, COTTER 2.0X20	2								
27	1	26013-100252	BOLT, M10X 25	3								
28	1	26014-100252	BOLT, M10X 25	2								
29	1	26014-100252	BOLT, M10X 25	2								
30	1	26347-100002	NUT, M10	1								

(D)=

$$(E)=$$
$$(F)=$$

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61490	COVER, FRAME L	1							
2	1	172A89-65600-Y	BONNET ASSY, L	1							
3	2	172162-15310	SEAL	1							
5	2	172A89-65630	PAD, BONNET L	1							
6	2	172A69-65670	TRIM, 860	1							
7	2	172171-65820	RUBBER, SEAL	1							
8	1	22157-100000	WASHER, 10	4							
9	1	26013-100252	BOLT, M10X 25	4							
10	1	26014-100252	BOLT, M10X 25	2							

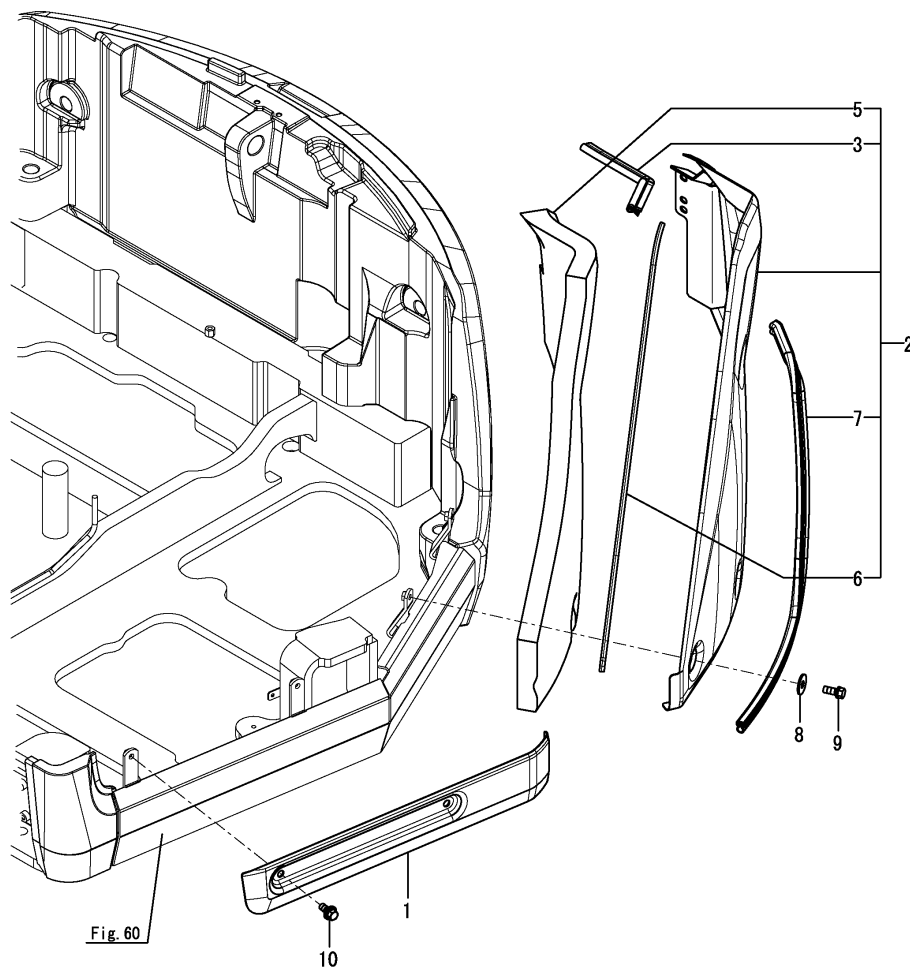
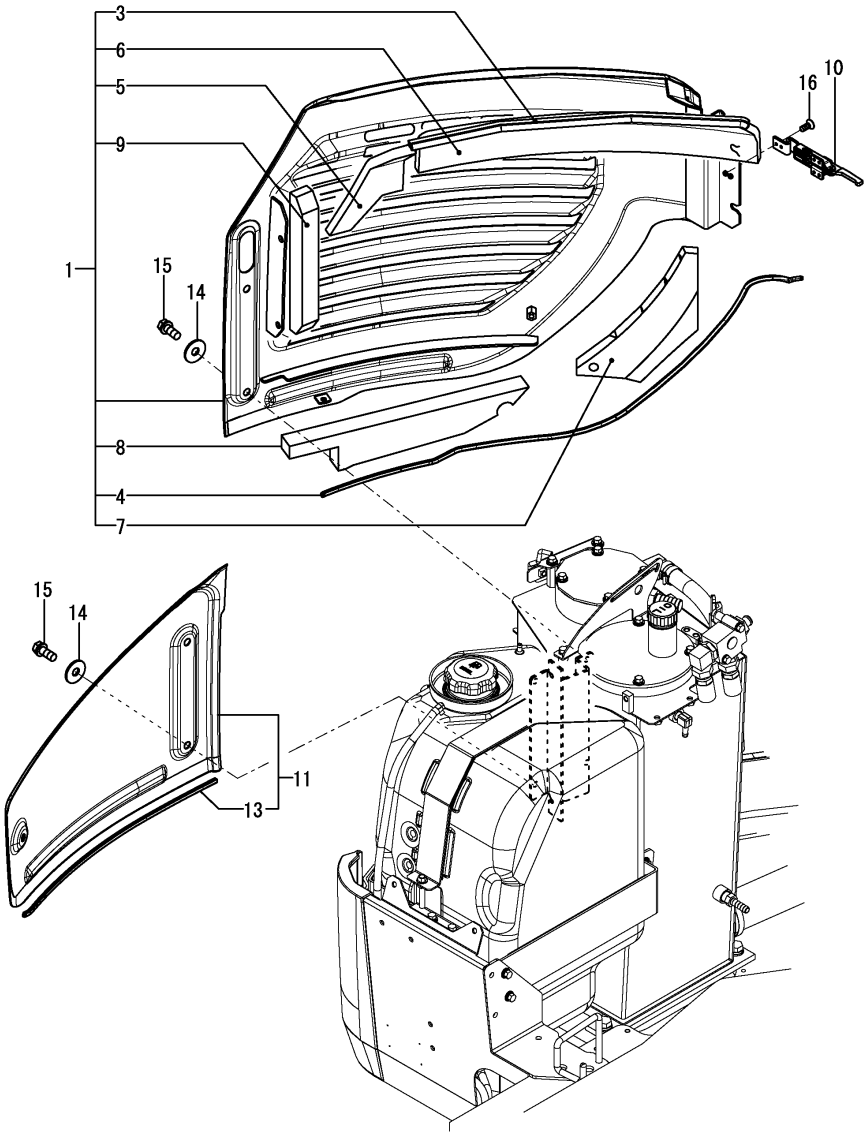


Fig.71. BONNET(RIGHT)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

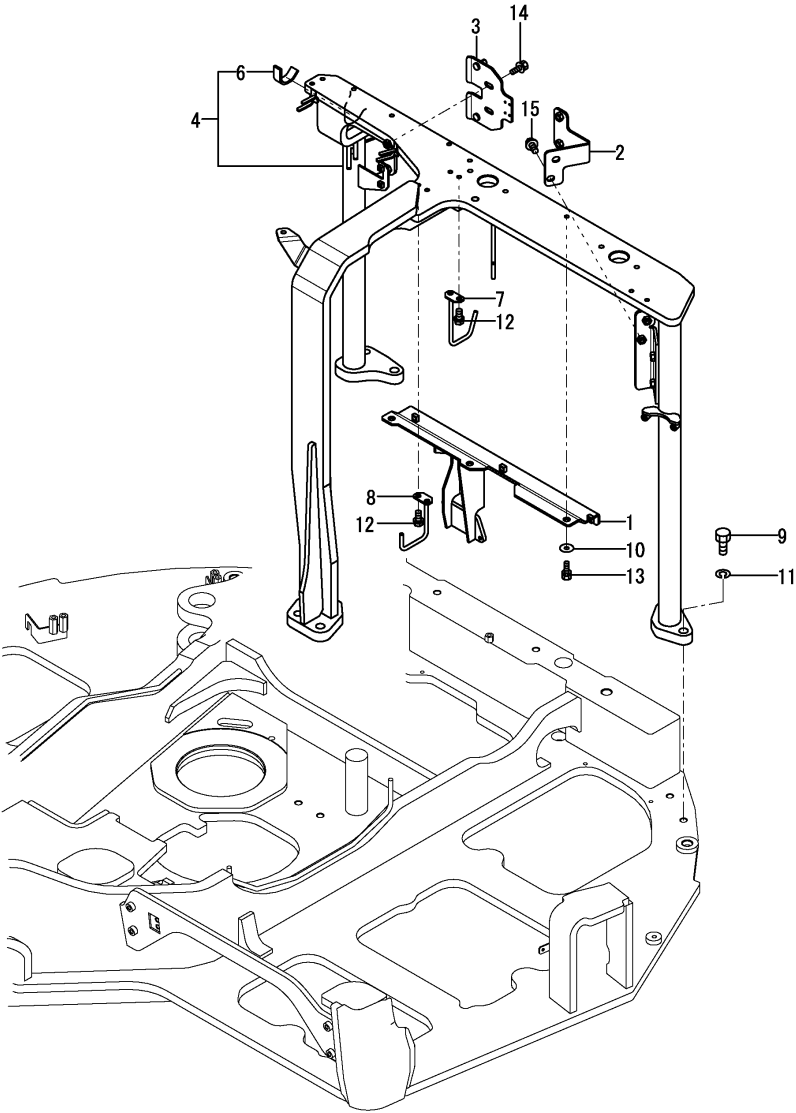


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-65800	BONNET ASSY, R	1							
3	2	172A89-65850	RUBBER, SEAL 670	1							
4	2	172A89-65860	TRIM, 1160	1							
5	2	172B11-65910	SPONGE, BONNET R A	1							
6	2	172B11-65921	SPONGE, BONNET R B	1							
7	2	172B11-65930	SPONGE, BONNET R C	1							
8	2	172B11-65940	SPONGE, BONNET R D	1							
9	2	172B11-65950	SPONGE, BONNET R E	1							
10	1	172A69-65872	HANDLE, BONNET LOCK	1							
11	1	172A69-65900-Y	BONNET ASSY	1							
13	2	172A69-65920	TRIM, 600	1							
14	1	22157-100000	WASHER, 10	5							
15	1	26013-100252	BOLT, M10X 25	5							
16	1	26577-050122	SCREW, M5X12	6							

Fig.72. CABIN MOUNT(BRACKET)

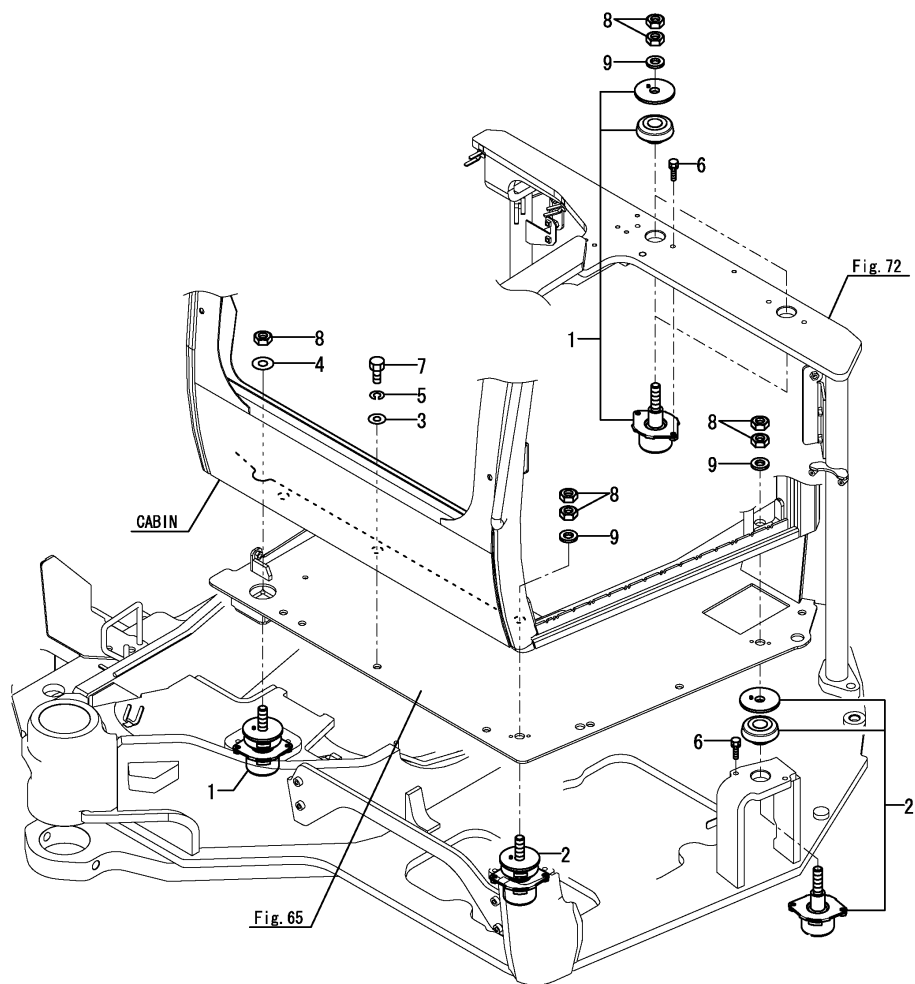
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

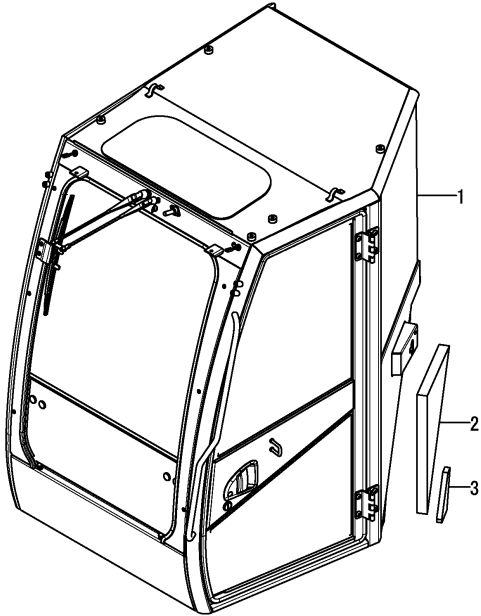


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-65211	BRACKET ASSY, A	1							
2	1	172A89-65661	STAY ASSY, BONNET L	1							
3	1	172A89-65950	BRACKET ASSY, BR	1							
4	1	172B11-67100	BRACKET ASSY,CABIN M	1							
6	2	172A89-67450	SEAL, SPONGE 105	1							
7	1	172A89-67360	GUIDE ASSY, HOSE C	1							
8	1	172A89-67390	GUIDE ASSY, HOSE E	1							
9	1	172460-73320	BOLT, 16X45	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	2							

Fig.73. CABIN MOUNT(ANTIVIBRATION MOUNT)



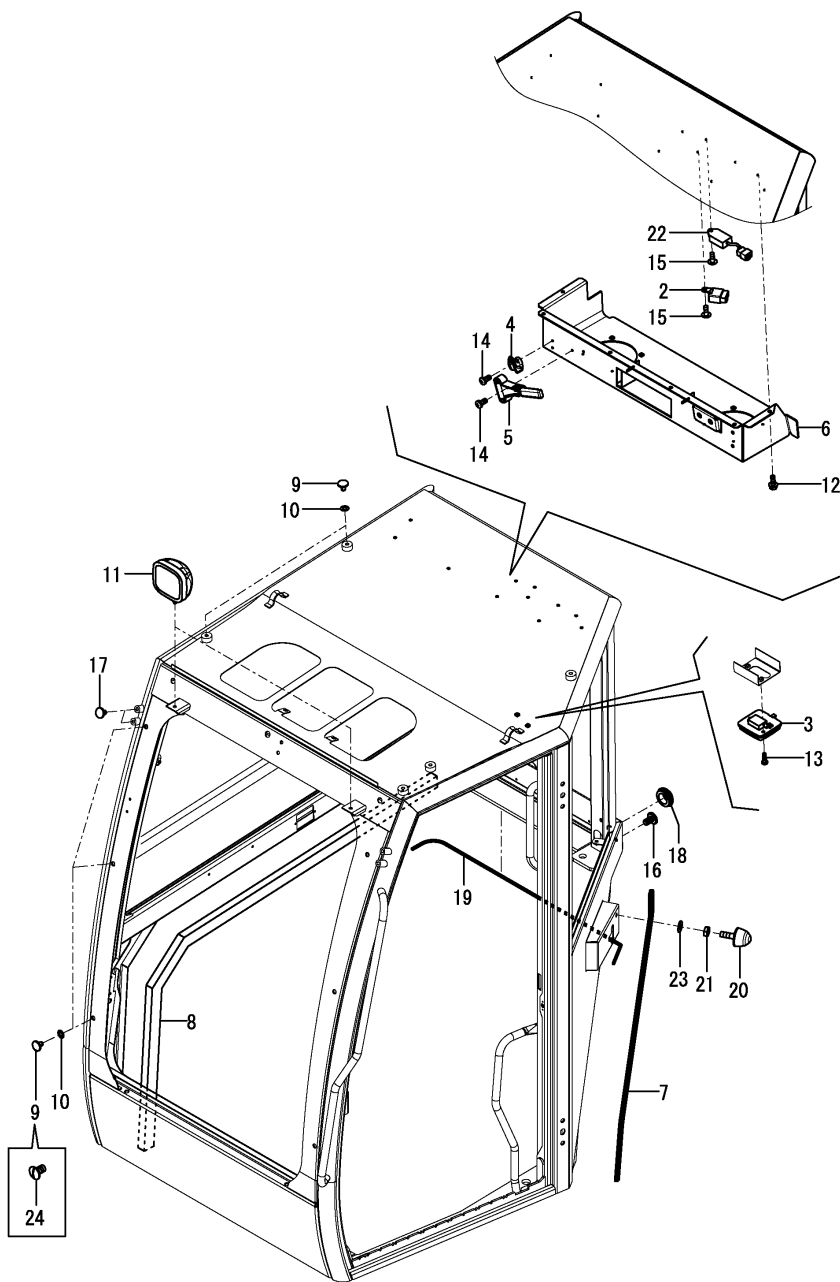
No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(KR)		(D)=		(E)=		I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-64160	MOUNT ASSY, 60HS	3							
2	1	172A69-64170	MOUNT ASSY, 70HS	2							
3	1	22137-160000	WASHER, 16	6							
4	1	22137-200000	WASHER, 20	1							
5	1	22217-160000	WASHER, SPRING 16	6							
6	1	26013-100352	BOLT, M10X 35	10							
7	1	26076-160402	BOLT, 10.916X 40	6							
8	1	26716-200002	NUT, M20	9							
9	1	933172-14120	WASHER, 21X40X6	4							



					0CK50-M00640 Fig.74						
					(A)=VIO80-1A C(KR)			(D)=			
					(B)=			(E)=			
					(C)=			(F)=			
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-68000	CABIN ASSY	1							
2	1	172B11-68910	SPONGE, CABIN A	1							
3	1	172B11-68920	SPONGE, CABIN B	1							

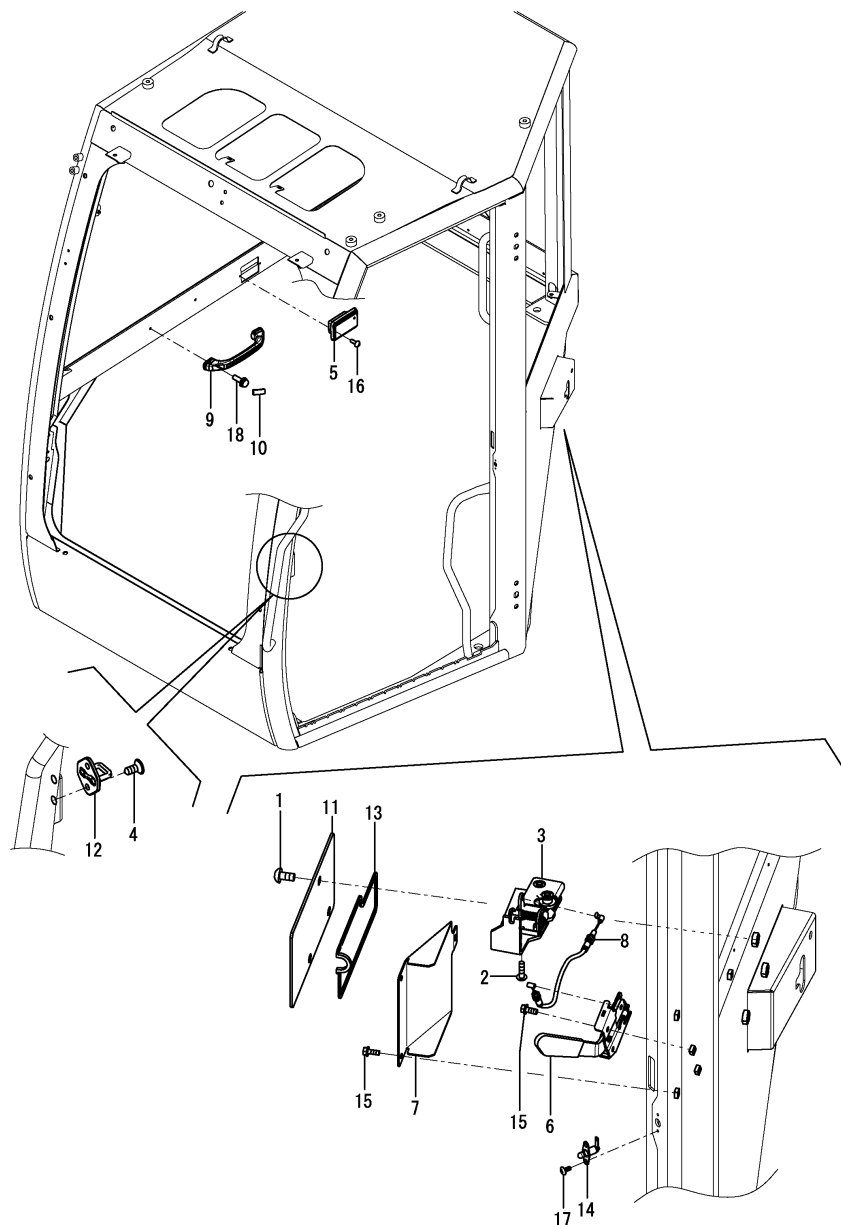
Remarks
* Inner parts are shown in Fig.84 from Fig.75.

Fig.75. CABIN(ACCESSORY)(1)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172B02-17150	RELAY, CA TYPE C	1							
3	3	172B06-68040	LAMP, ROOM	1							
4	3	172B06-68070	HOOK, COAT	1							
5	3	172B06-68101	HAMMER, EMERGENCY	1							
6	3	172B11-68240	COVER ASSY, HEADER	1							
7	3	172B11-68270	SEAL, 865	1							
8	3	172B11-68290	SEAL, 1780	1							
9	3	172B11-68310	PLUG, HOLE	11							
9-1	3	172B11-68310	PLUG, HOLE	10							K
9-2	3	172B11-68310	PLUG, HOLE	4							K
10	3	172B11-68320	RUBBER, PACKING	11							
10-1	3	172B11-68320	RUBBER, PACKING	10							K
10-2	3	172B11-68320	RUBBER, PACKING	4							K
11	3	172B06-68350	LAMP, WORK	2							
12	3	172B06-68360	BOLT, M6X16	6							
13	3	172B06-68370	BOLT, M5X16	2							
14	3	172B06-68380	BOLT, M4X12	4							
15	3	172B11-68800	SCREW, M6X16	2							
16	3	172B11-69030	CAP, BOLT M8	2							
17	3	172B11-69040	CAP, BOLT M10	4							
18	3	172B11-69060	GROMMET, 22	1							
19	3	172B11-69080	SEAL, DAM 935	1							
20	3	172463-69270	STOPPER, DOOR	1							
21	3	172455-69560	NUT, M10	1							
22	3	128300-77920	TIMER, GLOW PLUG	1							
23	3	22217-100000	WASHER, SPRING 10	1							
24	3	172B11-69040	CAP, BOLT M10	6							W

Fig.76. CABIN(ACCESSORY)(2)



(1)Color = GRAY.
(2)Color = BLACK.

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

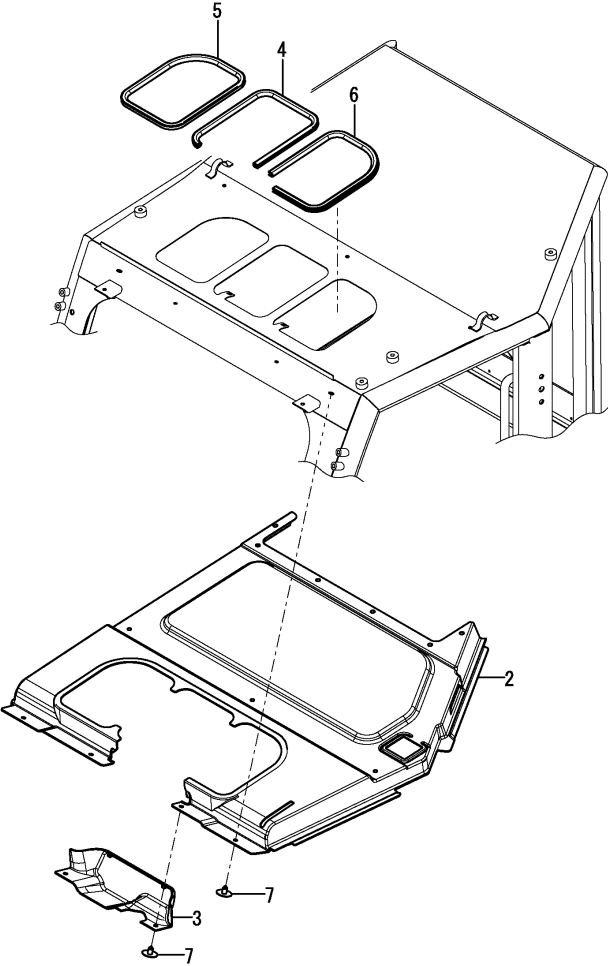
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172458-63730	SCREW, M10X20	3							
2	3	172455-67350	SCREW, M6X25	4							
3	3	172B06-68060	LATCH ASSY	1							
4	3	172B06-68130	SCREW, M8X20	2							
5	3	172B06-68150	TRAY, ASH	1							
6	3	172B11-68160	LEVER ASSY, LOW	1							
7	3	172B11-68170	COVER, DOOR LEVER	1							
8	3	172B11-68180	CABLE ASSY, DOOR	1							
9	3	172B11-68190	GRIP, R	1							1
9-1	3	172B11-68210	GRIP, R D	1							S 2
	(A=MAF001)										
10	3	172B11-68200	CAP, GRIP R	2							1
10-1	3	172B11-68220	CAP, GRIP R D	2							S 2
	(A=MAF001)										
11	3	172B11-68250	BRACKET ASSY, CATCH	1							
12	3	172B06-68260	STRIKER, DOOR	1							
13	3	172B11-68300	SEAL, 770	1							
14	3	172B06-68340	SWITCH, DOOR	1							
15	3	172B06-68360	BOLT, M6X16	5							
16	3	172B06-68380	BOLT, M4X12	2							
17	3	172B06-68400	SCREW, TAPPING M4X12	2							
18	3	172B11-68810	SCREW, M6X20	2							

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.77. CABIN(ACCESSORY)(3)

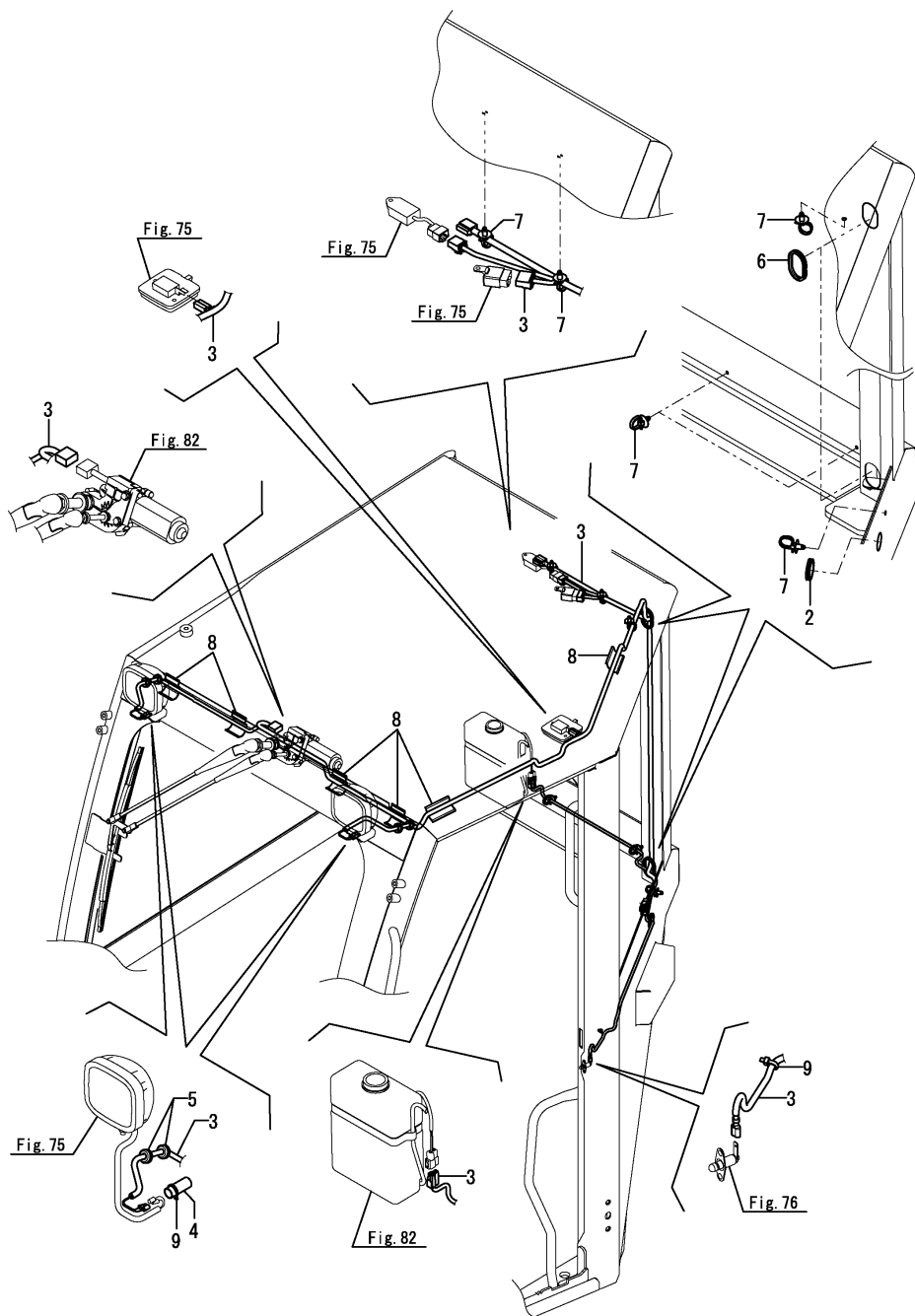
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



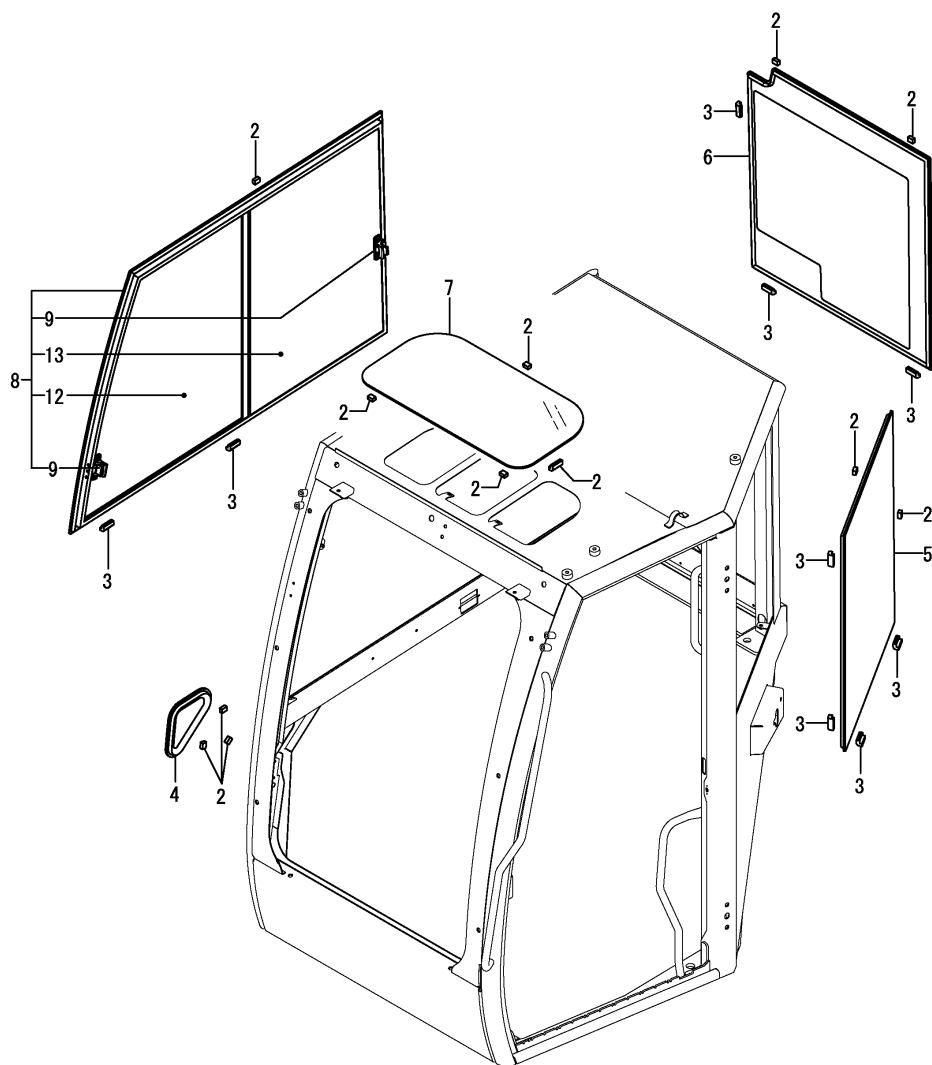
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172B11-68410	PAD, ROOF	1							
3	3	172B11-68420	COVER, HEADER FT	1							
4	3	172B11-68430	SEAL, 673	1							
5	3	172B11-68440	SEAL, 783	1							
6	3	172B11-68450	SEAL, 815	1							
7	3	172B11-68460	RIVET, 7	7							

Fig.78. CABIN(ELECTRIC PARTS)



No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
2	3	172455-67940	BUSH, PIN	1						
3	3	172B11-68751	HARNESS ASSY, CABIN	1						
3-1	3	172B11-68752	HARNESS ASSY, CABIN	1						N
(A=M1B400)										
4	3	172B11-68760	TUBE ASSY, PVC	2						
5	3	172B06-68780	GROMMET, 9.5X3.2	4						
6	3	172B06-68800	BUSH, 130	2						
7	3	172B06-68830	BAND, BINDING	6						
8	3	172B06-68870	TAPE, SOFT	6						
9	3	933168-55770	BAND, BINDING 146	3						

Fig.79. CABIN(GLASS)

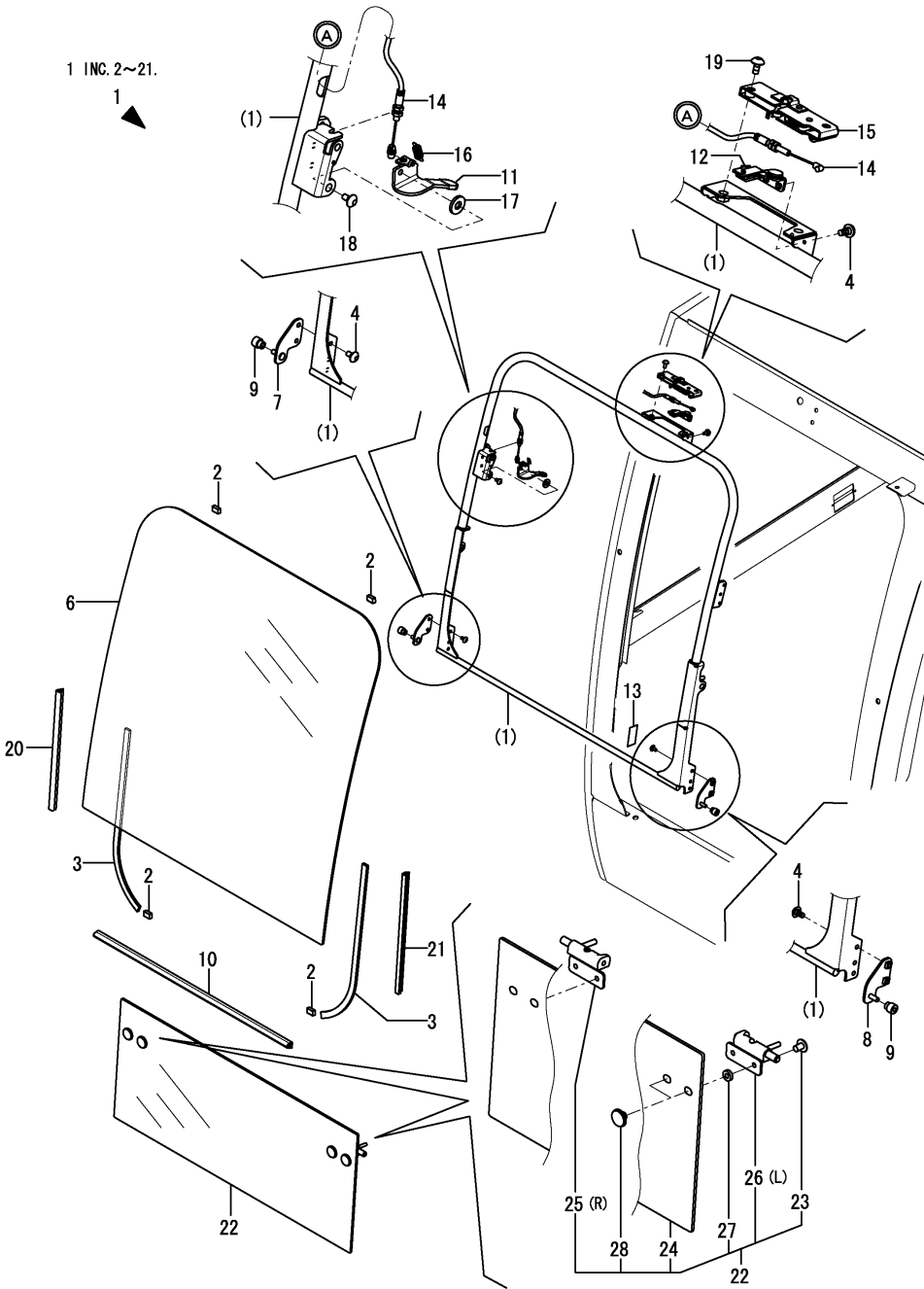


No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(KR)		(D)=		(E)=		I R
				(B)=	(C)=	(C)	(D)	(E)	(F)=	
2	3	172458-63950	SPACER			12				
3	3	172458-63960	SPACER, LOWER			11				
4	3	172B11-68560	GLASS, RIGHT FRONT			1				
5	3	172B11-68570	GLASS, LEFT			1				
6	3	172B11-68580	GLASS, REAR			1				
7	3	172B11-68590	GLASS, ROOF			1				
8	3	172B11-68600	SASH ASSY			1				
9	4	172455-67770	LOCK ASSY, SASH			2				
12	4	172B11-68631	GLASS, SASH FRONT			1				
13	4	172B11-68640	GLASS, SASH REAR			1				

Fig.80. CABIN(FRONT WINDOW)(1)

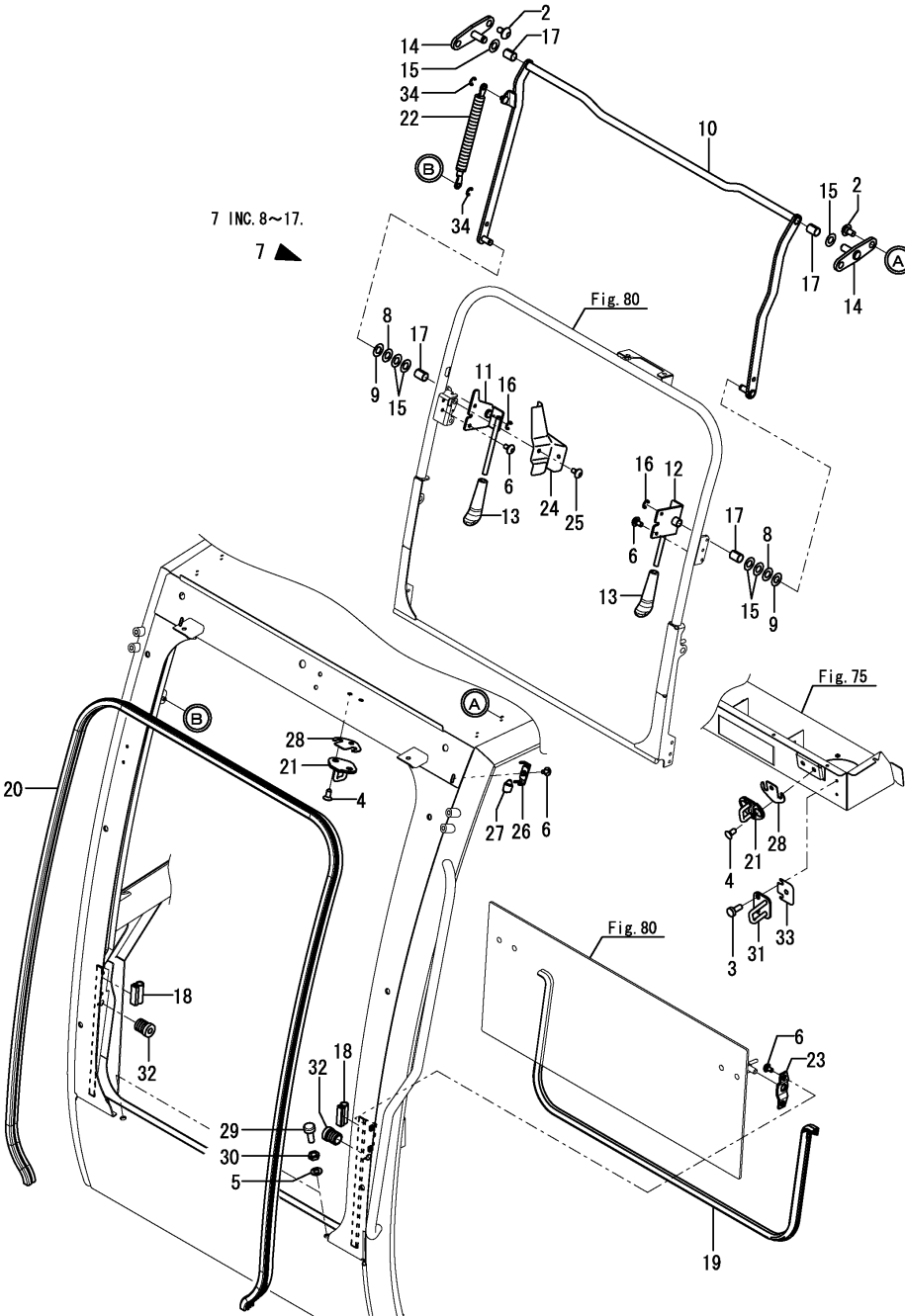
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



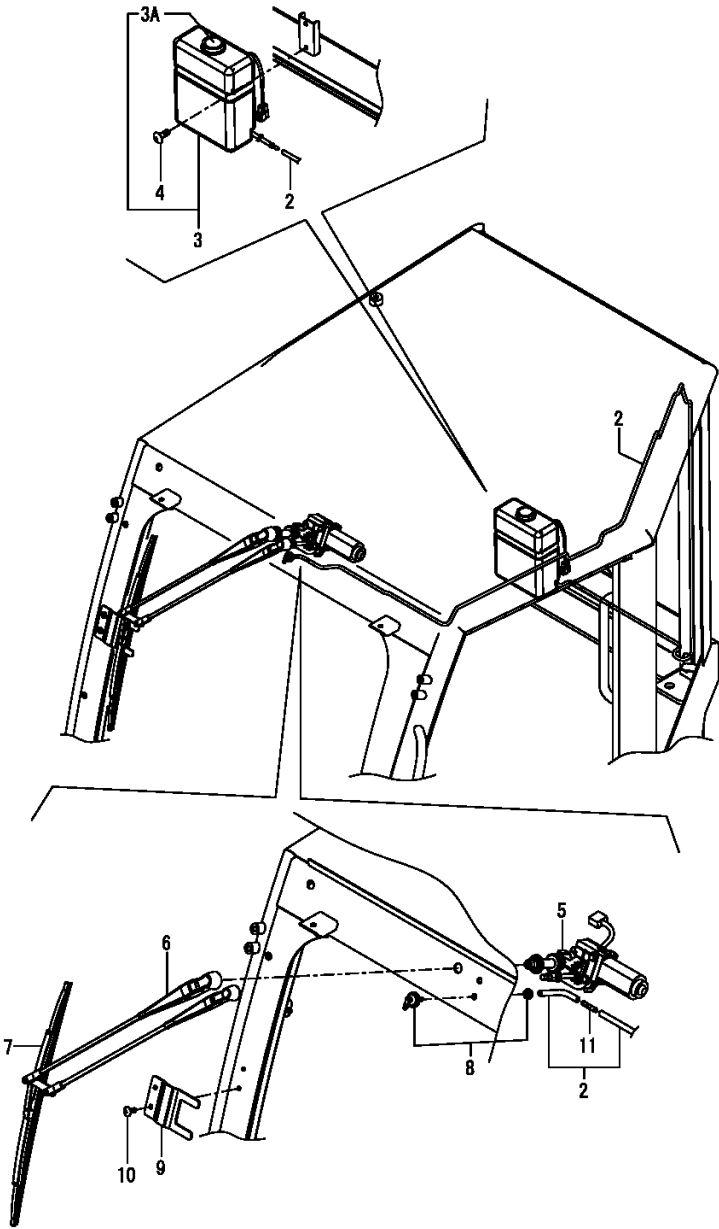
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172B11-69160	WINDOW ASSY, FRONT	1							
2	4	172458-63950	SPACER	4							
3	4	172B11-69090	SEAL, DUM 360	2							
4	4	172463-69150	SCREW	6							
6	4	172B11-69180	GLASS, F/W	1							
7	4	172B11-69190	STAY ASSY, F/W R	1							
8	4	172B11-69200	STAY ASSY, F/W L	1							
9	4	172B06-69211	ROLLER	2							
10	4	172B11-69260	SEAL, 852	1							
11	4	172B11-69270	LEVER ASSY, F/W LOCK	1							
12	4	172B11-69280	LOCK ASSY, F/W	1							
13	4	172B11-69290	RUBBER, PLATE	1							
14	4	172B11-69340	CABLE ASSY, F/W	1							
15	4	172B11-69350	LOCK ASSY, F/W	1							
16	4	172B06-69360	SPRING	1							
17	4	172B06-69380	WASHER	1							
18	4	172B06-69390	BOLT, TORX M6X16	1							
19	4	172B06-69400	BOLT, TORX M6X20	2							
20	4	172B11-69540	GLASSRUN, 388	1							
21	4	172B11-69550	GLASSRUN, 388	1							
22	3	172B11-69360	GLASS ASSY,FRONT LOW	1							
23	4	172B11-68820	SCREW, M8X12	4							
24	4	172B11-69370	GLASS, FRONT LOWER	1							
25	4	172B11-69380	LATCH ASSY, R	1							
26	4	172B11-69390	LATCH ASSY, L	1							
27	4	172B11-69400	RUBBER, PACKING	4							
28	4	172B11-69410	RETAINER, M8	4							

Fig.81. CABIN(FRONT WINDOW)(2)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172458-63730	SCREW, M10X20	4							
3	3	172B06-68360	BOLT, M6X16	2							
4	3	172B11-68830	SCREW, M8X20	4							
5	3	172B11-68860	WASHER, M10	2							
6	3	172463-69150	SCREW	12							
7	3	172B11-69300	LINK ASSY, F/W	1							
8	4	172B11-68870	WASHER, M12	2							
9	4	172463-69240	WASHER, 12.5X26	2							
10	4	172B11-69310	LINK ASSY, F/W	1							
11	4	172B11-69320	BRACKET ASSY, LINK R	1							
12	4	172B11-69330	BRACKET ASSY, LINK L	1							
13	4	172B06-69370	KNOB	2							
14	4	172B11-69440	BRACKET ASSY, LINK	2							
15	4	172B06-69450	WASHER	6							
16	4	22272-000080	RING, E- 8	2							
17	4	24550-012200	BEARING, 12 X 20	4							
18	3	172B11-69430	SEAL, 40	2							
19	3	172B11-69450	SEAL, 1410	1							
20	3	172B11-69460	SEAL, GLASS FRONT	1							
21	3	172B11-69470	STRIKER	2							
22	3	172B11-69480	SPRING, GAS	1							
23	3	172B11-69490	HOLDER, LATCH	2							
24	3	172B11-69500	COVER, LOCK HANDLE R	1							
25	3	172B06-69510	CLIP, TREE	2							
26	3	172B11-69510	BRACKET ASSY,STOPPER	2							
27	3	172B11-69520	RUBBER, STOPPER	2							
28	3	172B11-69530	SHIM	2							
29	3	172455-69550	STOPPER, B	2							
30	3	172455-69560	NUT, M10	2							
31	3	172B11-69560	STRIKER ASSY, LOCK	1							
32	3	172B11-69570	RUBBER, STOPPER	2							
33	3	172B11-69580	SHIM	1							
34	3	22272-000060	RING, E- 6	2							

Fig.82. CABIN(WIPER & WINDOW WASHER)



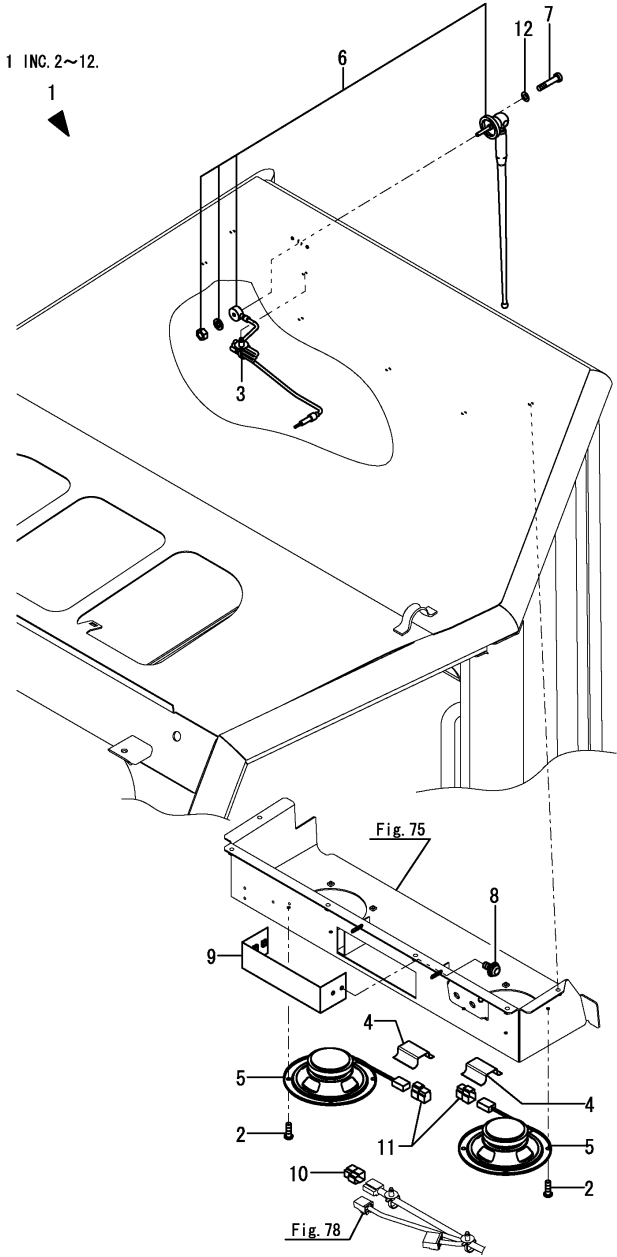
(A)=VIO80-1A C(KR)
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172B11-68030	HOSE, 2710	1							
3	3	172B11-68340	TANK, WASHER	1							
3A	4	172B11-68360	CAP,WASHER TANK	1							
4	3	172B11-68800	SCREW, M6X16	2							
5	3	172B11-69220	MOTOR, WIPER	1							
6	3	172B11-69230	ARM, WIPER	1							
7	3	172B06-69240	BLADE ASSY, 500	1							
8	3	172B11-69240	CONNECTOR, 90	1							
9	3	172B11-69250	BRACKET ASSY, WIPER	1							
10	3	172B11-69420	SCREW, TR-HD	2							
11	3	172B11-69700	VALVE ASSY	1							

Fig.83. CABIN(RADIO)

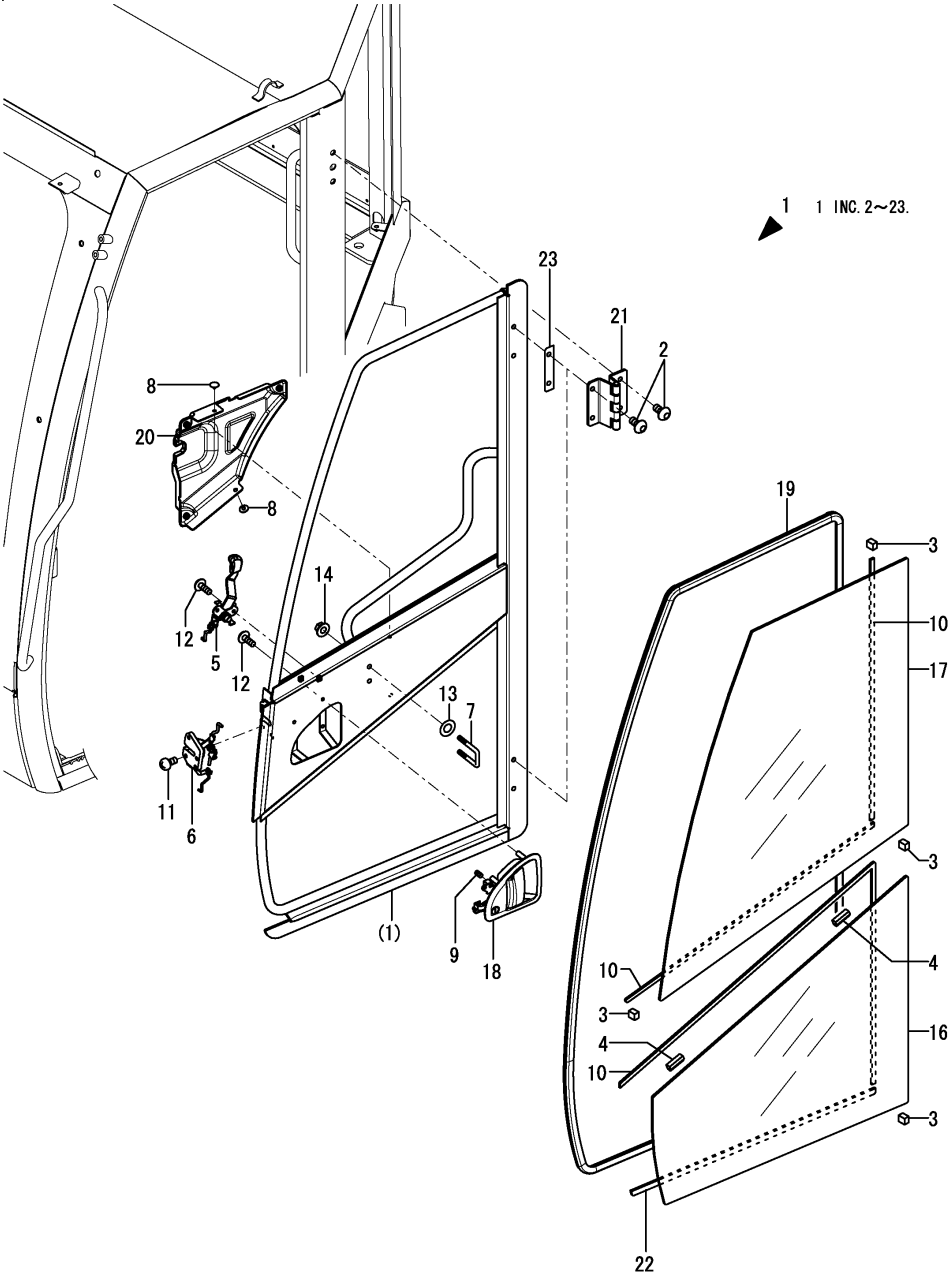
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



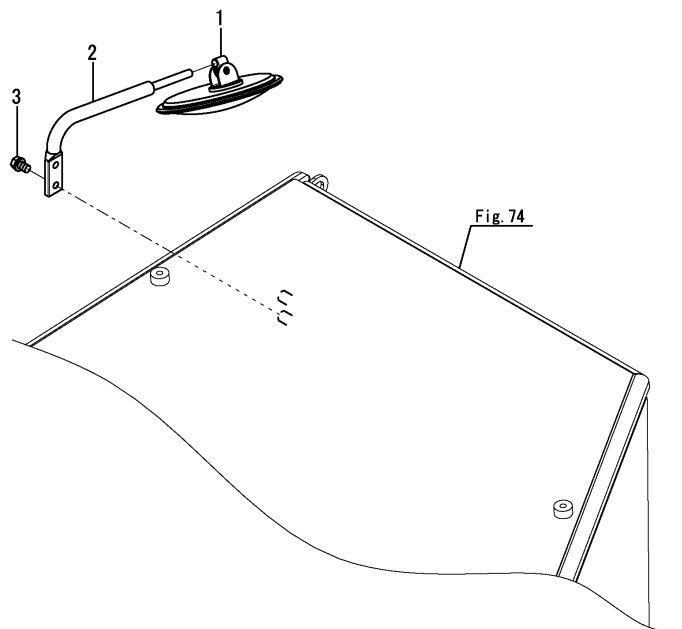
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-69610	ELECTRIC ASSY,NO RAD	1							
2	3	172B06-68390	BOLT, M4X12	8							
3	3	172B06-68830	BAND, BINDING	1							
4	3	172B06-68870	TAPE, SOFT	3							
5	3	172B06-69571	SPEAKER	2							
6	3	172B06-69581	ANTENNA, RADIO	1							
7	3	172B06-69600	BOLT, M4X20	2							
8	3	172B11-69630	SCREW, M4X12	4							
9	3	172B11-69640	COVER, RADIO	1							
10	3	172B11-69650	CONNECTOR	1							
11	3	172B11-69660	CONNECTOR	2							
12	3	22137-040000	WASHER, 4	2							

Fig.84. CABIN DOOR



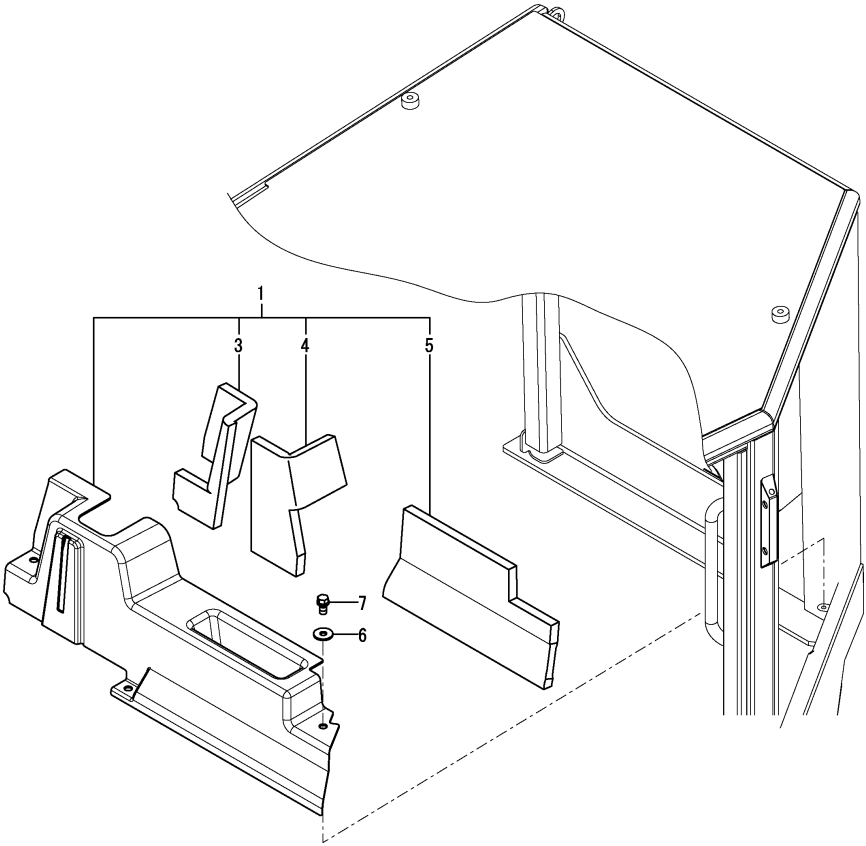
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-69801	DOOR ASSY, CABIN	1							
2	3	172458-63730	SCREW, M10X20	8							
3	3	172458-63950	SPACER	4							
4	3	172458-63960	SPACER, LOWER	2							
5	3	172B06-68940	HANDLE ASSY	1							
6	3	172B06-68950	LOCK ASSY, DOOR	1							
7	3	172B06-69010	HOOK, DOOR	1							
8	3	172B11-69020	CLIP, TREE	5							
9	3	172B06-69040	LOCK, SCREW	1							
10	3	172B11-69070	SEAL, DUM 2500	1							
11	3	172B06-69080	SCREW, M6X20	3							
12	3	172B06-69090	SCREW	5							
13	3	172455-69270	WASHER, 8.5X16	2							
14	3	172455-69710	NUT, SPRING 8	2							
16	3	172B11-69820	GLASS, DOOR LOWER	1							
17	3	172B11-69830	GLASS, DOOR UPPER	1							
18	3	172B11-69861	HANDLE ASSY, OUTER	1							
19	3	172B11-69870	SEAL, DOOR	1							
20	3	172B11-69880	COVER, DOOR INNER	1							
21	3	172B11-69890	HINGE ASSY, DOOR	2							
22	3	172B11-69920	SEAL, DUM 600	1							
23	3	172B11-69930	SHIM	1							

Fig.85. REARVIEW MIRROR



				(A)=VIO80-1A C(KR)	(D)=								
				(B)=	(E)=								
				(C)=	(F)=								
No.	Lev.	Parts No.	Description	Q'ty								I	R
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	172A25-68500	MIRROR, REARVIEW	1									
2	1	172A69-68850	BRACKET ASSY, MIRROR	1									
3	1	26013-100252	BOLT, M10X 25	2									

Fig.86. CABIN(COVER)



Remarks
(1)Color = WARM IVORY.
(2)Color = PANTONE 425C.

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-68940	COVER ASSY, TANK	1							1
1-1	1	172B11-68840	COVER ASSY, TANK D	1						S	2
(A=MAF001)											
3	2	172B11-68960	SPONGE, COVER A	1							
4	2	172B11-68970	SPONGE, COVER B	1							
5	2	172B11-68980	SPONGE, COVER C	1							
6	1	22157-080000	WASHER, 8	3							
6-1	1	172458-62430	WASHER, M8	3							S
(A=MAF001)											
7	1	26013-080162	BOLT, M8X 16	3							
7-1	1	172137-69850	SCREW, BIND	3							S
(A=MAF001)											

(A)=VIO80-1A C(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,REARVIEW	1							
2	1	172A25-68500	MIRROR, REARVIEW	1							

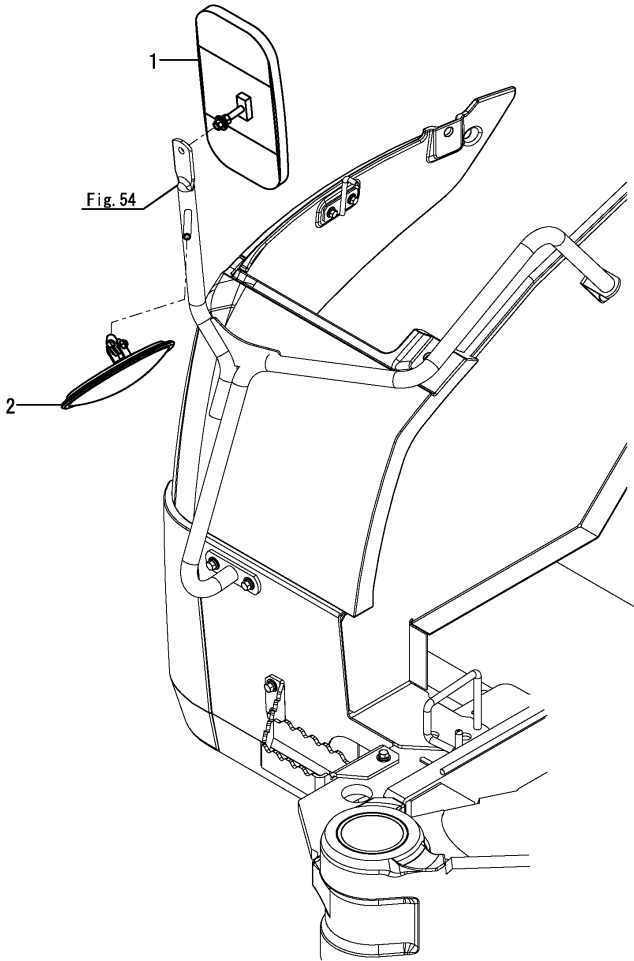


Fig.88. HYDRAULIC PUMP MOUNT & JOINT

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-71100	MOUNT, PUMP	1							
2	1	26013-100302	BOLT, M10X 30	12							
3	1	172499-71200	COUPLING	1							
4	1	172187-71210	BOLT, 14X50	3							

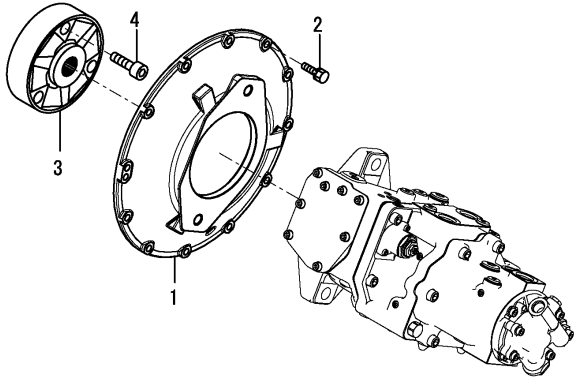
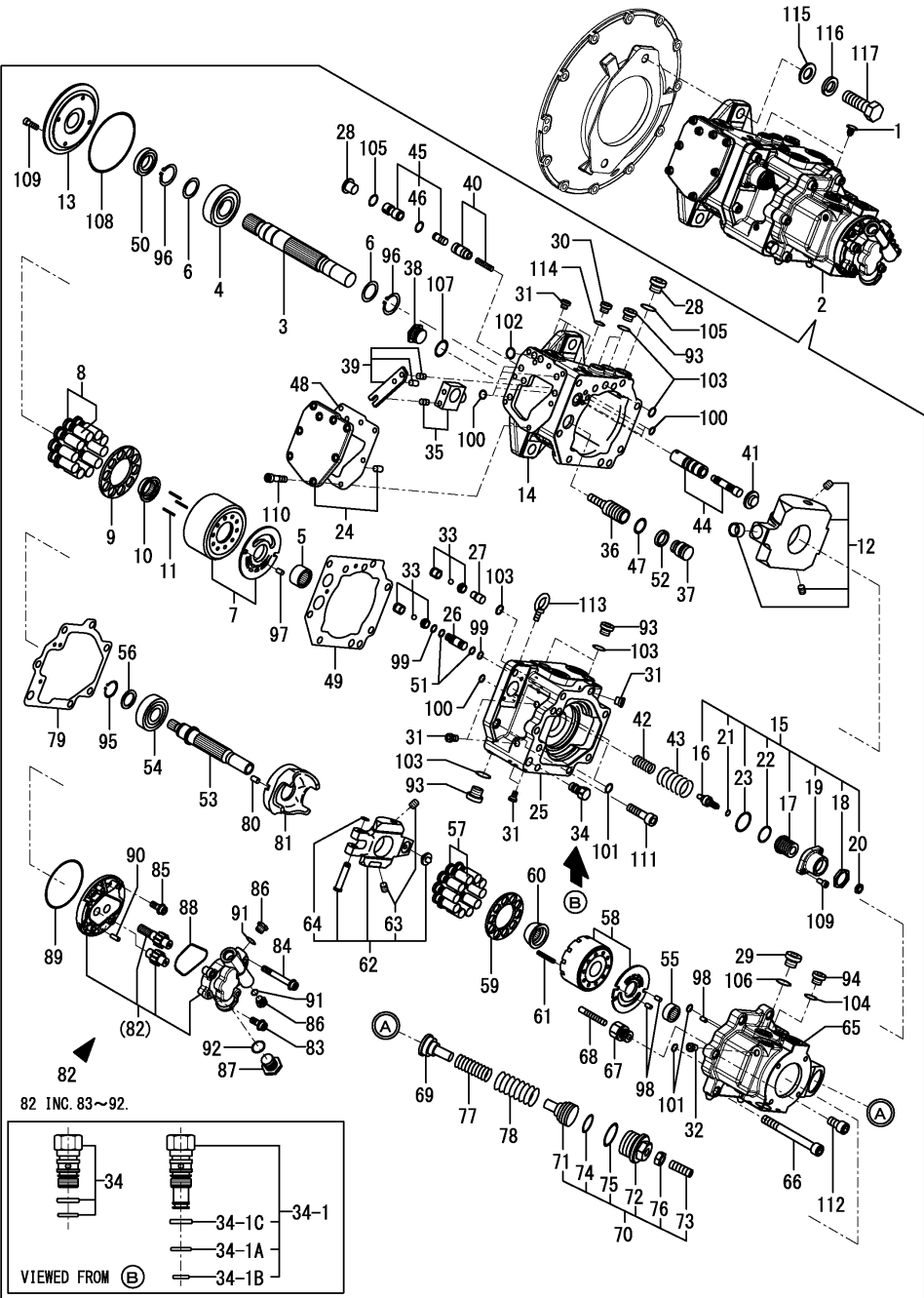
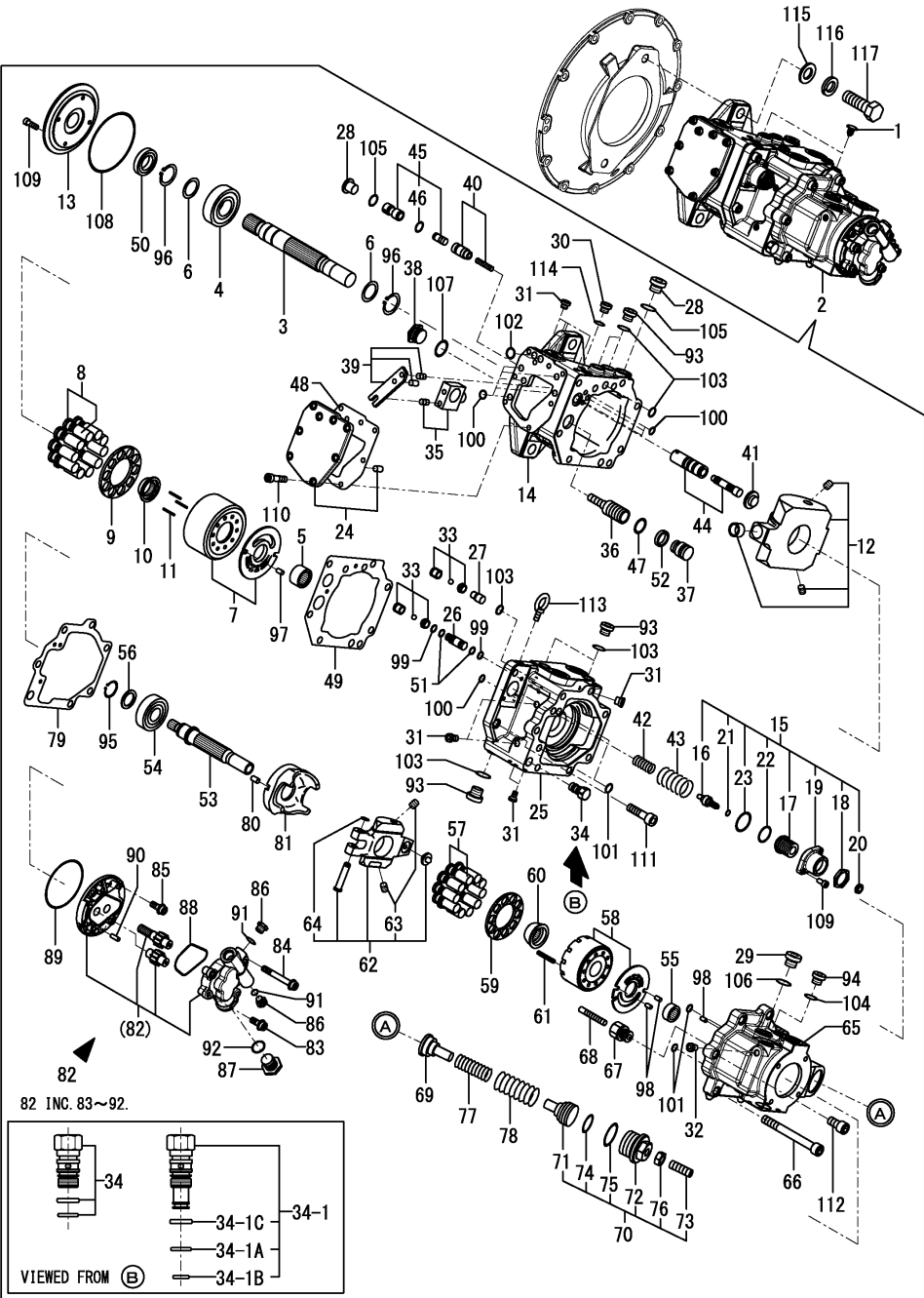


Fig.89. HYDRAULIC PUMP



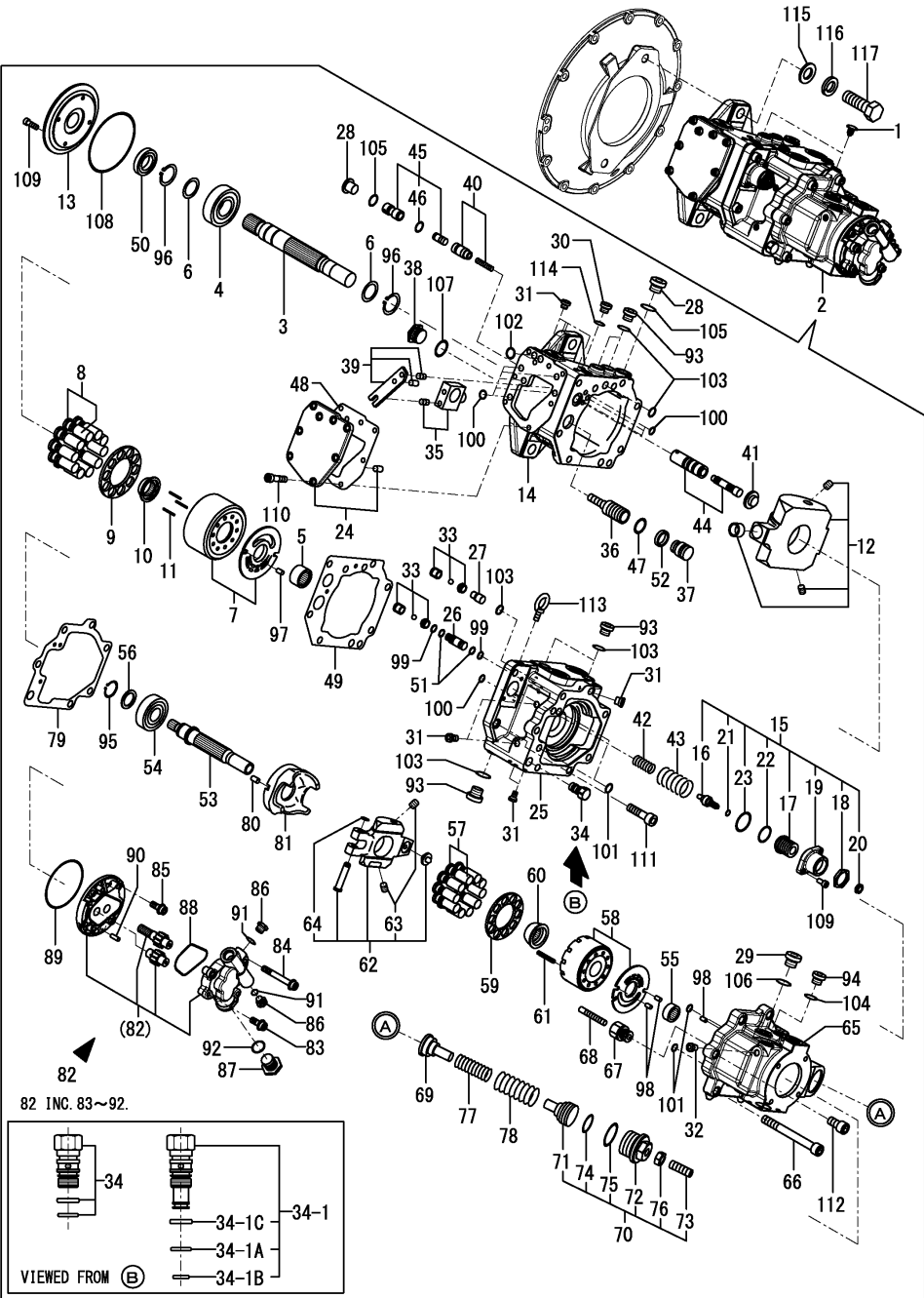
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172122-17190	CLIP, TREE	2							
2	1	172B11-73100	PUMP ASSY	1							
2-1	1	172B11-73200	PUMP ASSY	1							N
(A=M1B500)											
3	2	172B11-70010	SHAFT	1							
4	2	172B11-70020	BEARING, BALL	1							
5	2	172B11-70030	BEARING, NEEDLE	1							
6	2	172B11-70040	SPACER	2							
7	2	172B11-70050	CYLINDER ASSY	1							
8	2	172B11-70060	PISTON ASSY	1							
9	2	172B11-70070	PLATE	1							
10	2	172B11-70080	BUSH	1							
11	2	172B11-70090	SPRING	10							
12	2	172B11-70100	PLATE ASSY	1							
13	2	172B11-70110	COVER	1							
14	2	172B11-70120	CASE	1							
15	2	172B11-70130	COVER ASSY	1							
16	3	172B11-70350	ROD, AJUST	1							
17	3	172B11-70360	NUT, ADJUST	1							
18	3	172B11-70370	NUT, LOCK	1							
19	3	172B11-70380	COVER, SPRING	1							
20	3	172B11-70520	NUT	1							
21	3	24315-000090	O-RING, 1BP9.0	1							
22	3	24315-000260	O-RING, 1BP26.0	1							
23	3	24325-000350	O-RING, 1BG35.0	1							
24	2	172B11-70140	COVER ASSY	1							
25	2	172B11-70150	BLOCK, VALVE	1							
26	2	172B11-70160	PIPE, SEAL	1							
27	2	172B11-70170	SPACER	1							
28	2	172B11-70190	PLUG, G1/2	2							
29	2	172B11-70190	PLUG, G1/2	1							
30	2	172B11-70200	PLUG, G1/8	1							
31	2	172B11-70210	PLUG, M7X0.75	9							
32	2	172B11-70210	PLUG, M7X0.75	1							
33	2	172B11-70220	VALVE ASSY, CHECK	2							
34	2	172B27-73160	PLUG ASSY, CAVITY	1							
34-1	2	172B11-70900	PLUG, CAVITY	1							N
(A=M1B500)											
34-1A	3	172B11-70450	O-RING, AS568-015	1							W
(A=M1B500)											
34-1B	3	24315-000100	O-RING, 1BP10.0	1							W
(A=M1B500)											
34-1C	3	24315-000140	O-RING, 1BP14.0	1							W
(A=M1B500)											
35	2	172B11-70240	PIN ASSY	1							
36	2	172B11-70250	PISTON, SERVO	1							
37	2	172B11-70260	STOPPER, L	1							
38	2	172B11-70270	PLUG	1							
39	2	172B11-70300	LEVER ASSY, FEEDBACK	1							
40	2	172B11-70310	PISTON ASSY	1							
41	2	172B11-70320	SEAT, SPRING	1							

Fig.89. HYDRAULIC PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
42	2	172B11-70330	SPRING, INNER	1							
42-1	2	172B11-70910	SPRING, INNER	1							N
(A=M1B500)											
43	2	172B11-70340	SPRING, OUTER	1							
44	2	172B11-70400	SPOOL ASSY	1							
45	2	172B11-70410	PISTON ASSY, PF	1							
46	3	172B11-70450	O-RING, AS568-015	1							
47	2	172B11-70460	O-RING	1							
48	2	172B11-70470	SEAT, PACKING T	1							
49	2	172B11-70480	SEAT, PACKING F	1							
50	2	172B11-70490	SEAL, OIL	1							
51	2	172B11-70500	RING, BACK UP	2							
52	2	172B11-70510	RING, BACK UP	1							
53	2	172B11-70550	SHAFT, DRIVE	1							
54	2	172B11-70560	BEARING, BALL	1							
55	2	172B11-70570	BEARING, NEEDLE	1							
56	2	172B11-70580	SPACER	1							
57	2	172B11-70600	PISTON ASSY	1							
58	2	172B11-70610	CYLINDER ASSY	1							
59	2	172B11-70620	PLATE	1							
60	2	172B11-70630	BUSH	1							
61	2	172B11-70640	SPRING	6							
62	2	172B11-70650	PLATE ASSY	1							
63	3	172455-77150	PLUG	2							
64	3	22242-000120	RING, 12	1							
65	2	172B11-70660	CASE	1							
66	2	172B11-70670	BOLT, M12-150	6							
67	2	172B11-70680	CASE, PISTON	1							
68	2	172B11-70690	PIN	1							
69	2	172B11-70700	SEAT, SPRING	1							
70	2	172B11-70710	PLUG ASSY	1							
71	3	172B11-70720	ROD, ADJUST	1							
72	3	172B11-70750	PLUG	1							
73	3	172B11-70780	BOLT, ADJUST	1							
74	3	24315-000380	O-RING	1							
75	3	24315-000500	O-RING, 1BP50.0	1							
76	3	26756-160002	NUT, LOCK M16	1							
77	2	172B11-70730	SPRING, INNER	1							
78	2	172B11-70740	SPRING, OUTER	1							
79	2	172B11-70760	SEAT, PACKING R	1							
80	2	172B11-70770	PIN	1							
81	2	172B11-70790	SUPPORT	1							
82	2	172B11-73150	PUMP ASSY, GEAR	1							
83	3	172B11-70800	SOCKET, FLANGE	2							
84	3	172B11-70810	SOCKET, FLANGE	2							
85	3	172B11-70820	SOCKET, FLANGE	4							
86	3	172B11-70830	PLUG, G1/4	2							
87	3	172B11-70840	PLUG, G3/4	1							
88	3	172B11-70850	RING	1							
89	3	172B11-70860	O-RING, AS568-152	1							
90	3	172B11-70870	PIN	2							

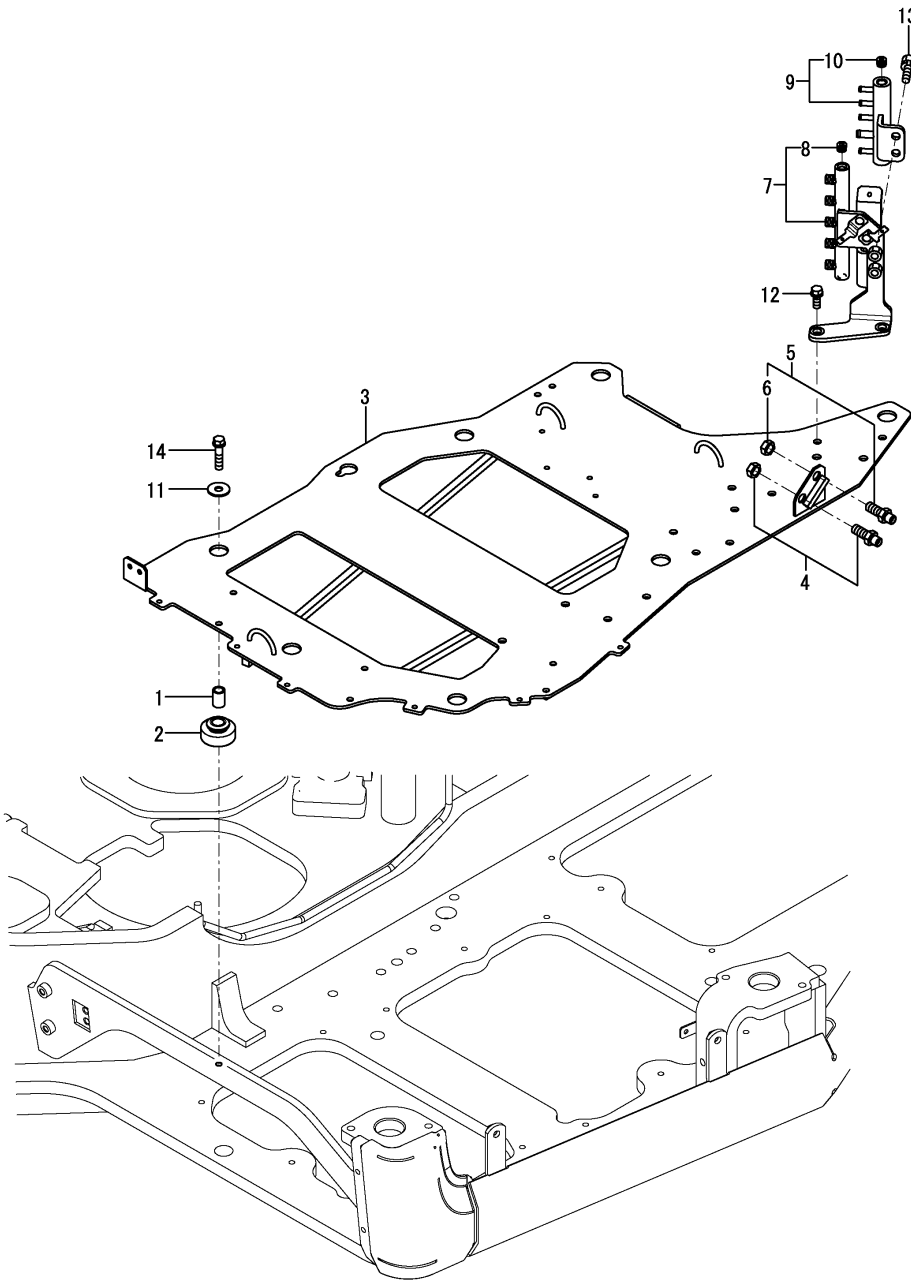
Fig.89. HYDRAULIC PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
91	3	24315-000110	O-RING, 1BP11.0	2							
92	3	24315-000240	O-RING, 1BP24.0	1							
93	2	172455-77140	PLUG	5							
94	2	172455-77140	PLUG	1							
95	2	22242-000250	RING, 25	1							
96	2	22242-000350	RING, 35	2							
97	2	22351-060014	PIN, SPRING 6.0X14	1							
98	2	22351-060014	PIN, SPRING 6.0X14	3							
99	2	24315-000070	O-RING, 1BP7.0	2							
100	2	24316-000080	O-RING, 4DP8.0	9							
101	2	24316-000080	O-RING, 4DP8.0	4							
102	2	24315-000100	O-RING, 1BP10.0	2							
103	2	24315-000110	O-RING, 1BP11.0	7							
104	2	24315-000110	O-RING, 1BP11.0	1							
105	2	24315-000180	O-RING, 1BP18.0	2							
106	2	24315-000180	O-RING, 1BP18.0	1							
107	2	24315-000240	O-RING, 1BP24.0	1							
108	2	24325-000850	O-RING, 1BG85.0	1							
109	2	26450-060202	BOLT, M6X 20	6							
110	2	26450-080252	BOLT, M8X 25	8							
111	2	26450-120402	BOLT, M12X 40	3							
112	2	26450-120402	BOLT, M12X 40	1							
113	2	26617-100002	BOLT, EYE M10	2							
114	2	24315-000080	O-RING, 1BP8.0	1							
115	1	22137-180000	WASHER, 18	2							
116	1	22217-180000	WASHER, SPRING 18	2							
117	1	26116-180552	BOLT, M18X 55 PLATED	2							

(A)=VIO80-1A C(KR)
(B)=
(C)=

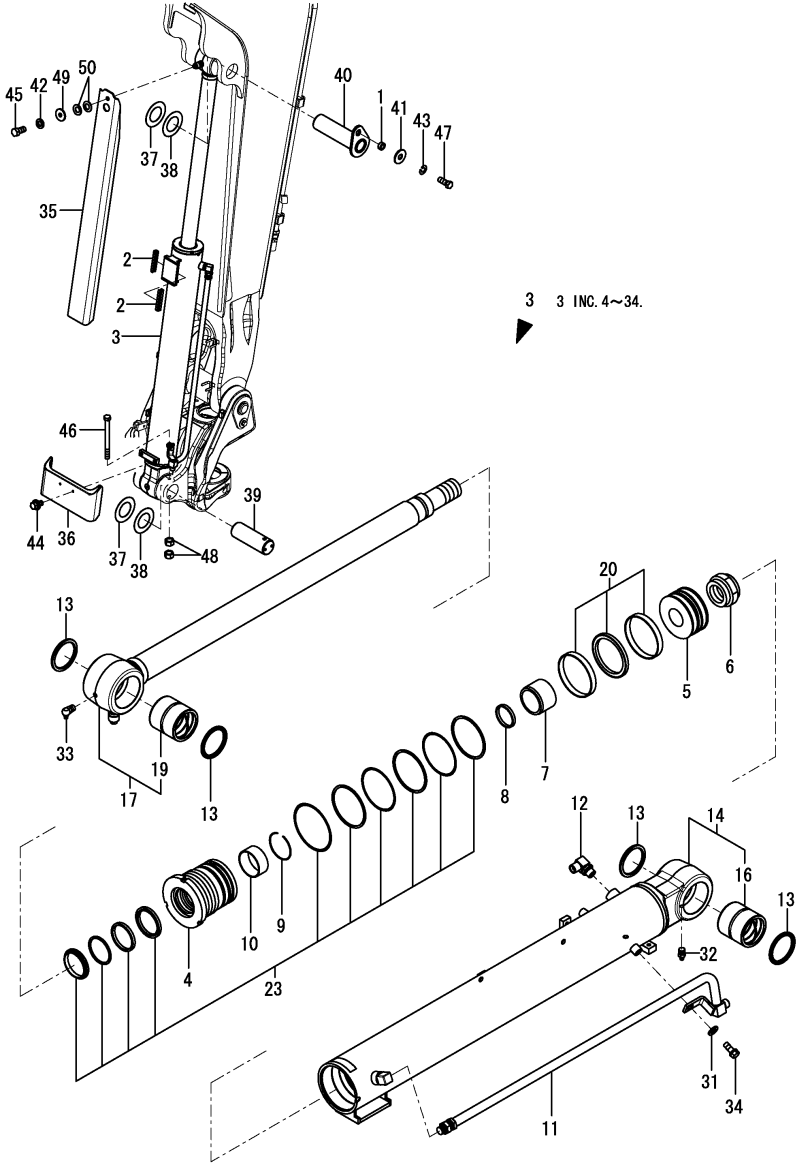
(D)=
(E)=
(F)=



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, 17X50	7							
3	1	172B11-71600	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	MOUNT ASSY, BLOCK	1							
8	2	23871-020000	PLUG, R02	1							
9	1	172B11-76720	MOUNT ASSY, BLOCK 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							

(A)=VIO80-1A C(KR)
(B)=
(C)=

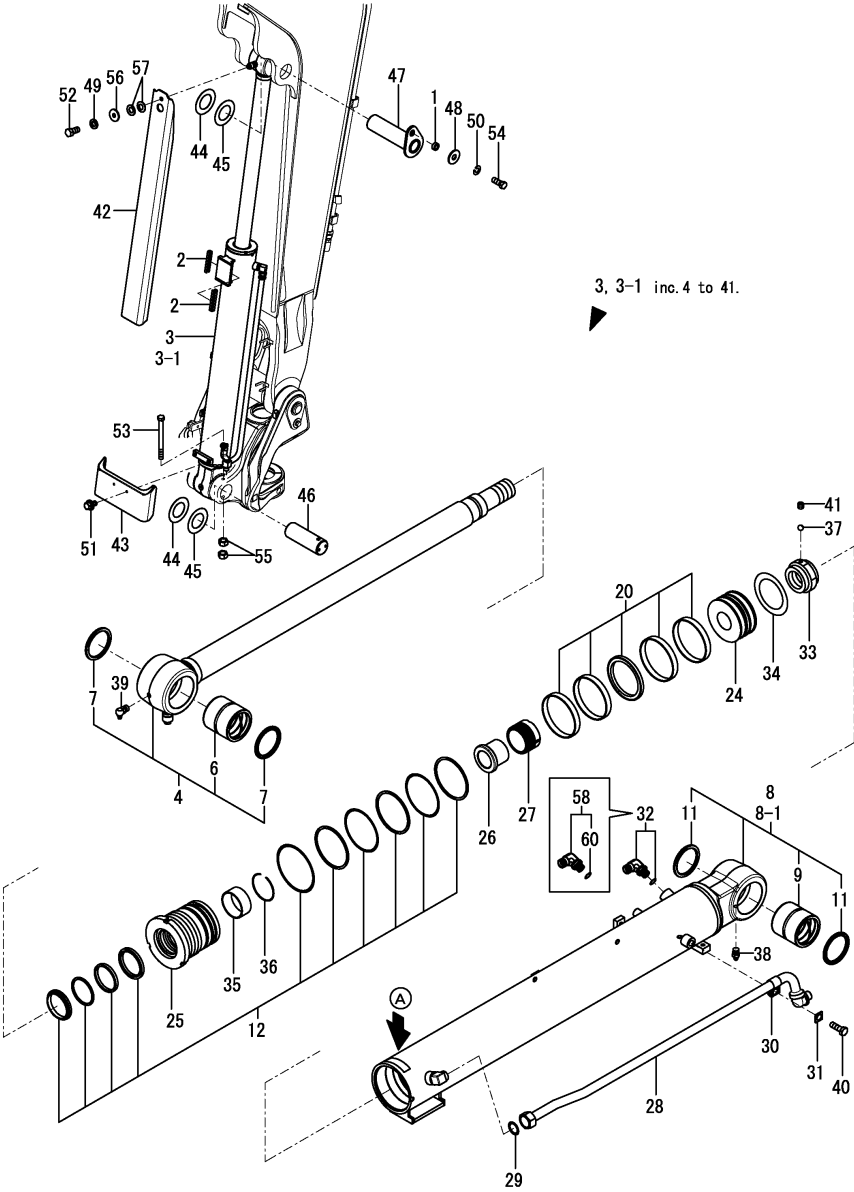
(D)=
(E)=
(F)=



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=MAG881)											
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							
23	2	172B11-72240	SEAL KIT, HEAD	1							
31	2	22137-100000	WASHER, 10	1							
32	2	24761-020000	NIPPLE, GREASE PT1/8	1							
33	2	24761-050000	NIPPLE, GREASE C	1							
34	2	26076-100162	BOLT, 10 X 16	1							
35	1	172187-72910-N	COVER, SLIDE	1							
36	1	172A89-72960-N	COVER, HOSE	1							
37	1	172176-81700	SHIM, 70X120X0.8	2							
38	1	172176-81710	SHIM, 70X120X0.5	2							
39	1	172187-81801	PIN, 70X200	1							
40	1	172A89-81810	PIN ASSY, 70X252	1							
41	1	22157-140000	WASHER, 14	1							
42	1	22217-100000	WASHER, SPRING 10	1							
43	1	22217-140000	WASHER, SPRING 14	1							
44	1	26014-100202	BOLT, M10X 20	2							
45	1	26116-100202	BOLT, M10X 20 PLATED	1							
46	1	26116-121402	BOLT, M12X140 PLATED	1							
47	1	26116-140352	BOLT, M14X 35 PLATED	1							
48	1	26716-120002	NUT, M12	2							
49	1	933147-03400	WASHER, BRAKE ARM	1							
50	1	933168-14170	SPRING, 16	2							

Remarks
(1)Interchangeable by Fig.180(91A) No.3.
The inner parts are not compatible.

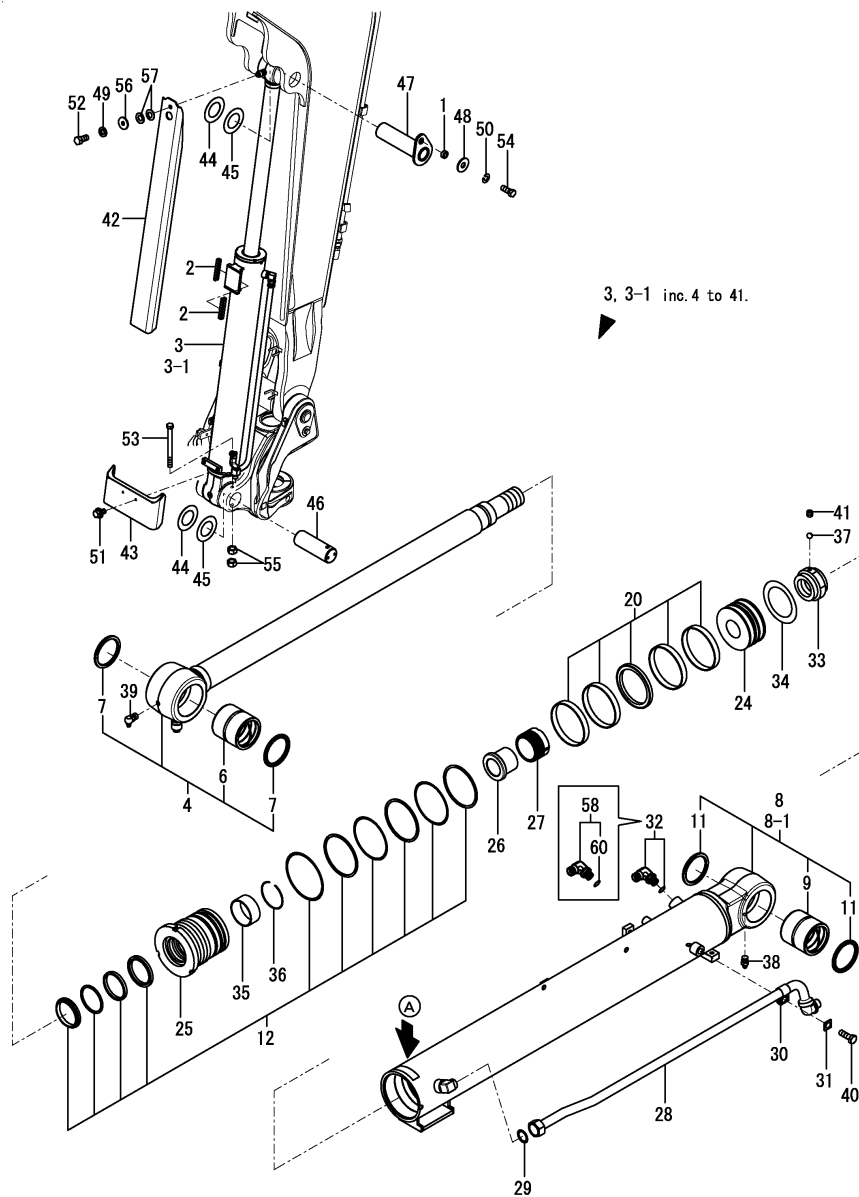
Fig.180. (91A)BOOM CYLINDER(J SPEC.)



Remarks
(1)There is parts No. & serial No. on A part=No.8 : (172B11-72101HXXXXX), No.8-1 : (172B11-72102HXXXXX)
Interchangeable by simultaneous replacement with No.58.

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=MAG881)											
3-1	1	172B11-72102	CYLINDER ASSY, BOOM	1							F 1
(A=*2021.02)											
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							
8-1	2	172B11-96131	REPAIR KIT, TUBE	1							S 1
(A=*2021.02)											
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							Z
(A=*2021.02)											
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.180. (91A)BOOM CYLINDER(J SPEC.)



(1) There is parts No. & serial No. on A part=No.8 : (172B11-72101HXXXXX), No.8-1 : (172B11-72102HXXXXX)
Interchangeable by simultaneous replacement with No.58.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
58	1	172141-76900	CONNECTOR ASSY, 1/2L	1							W
	(A="2021.02)										
60	2	24315-000180	O-RING, 1BP18.0	1							

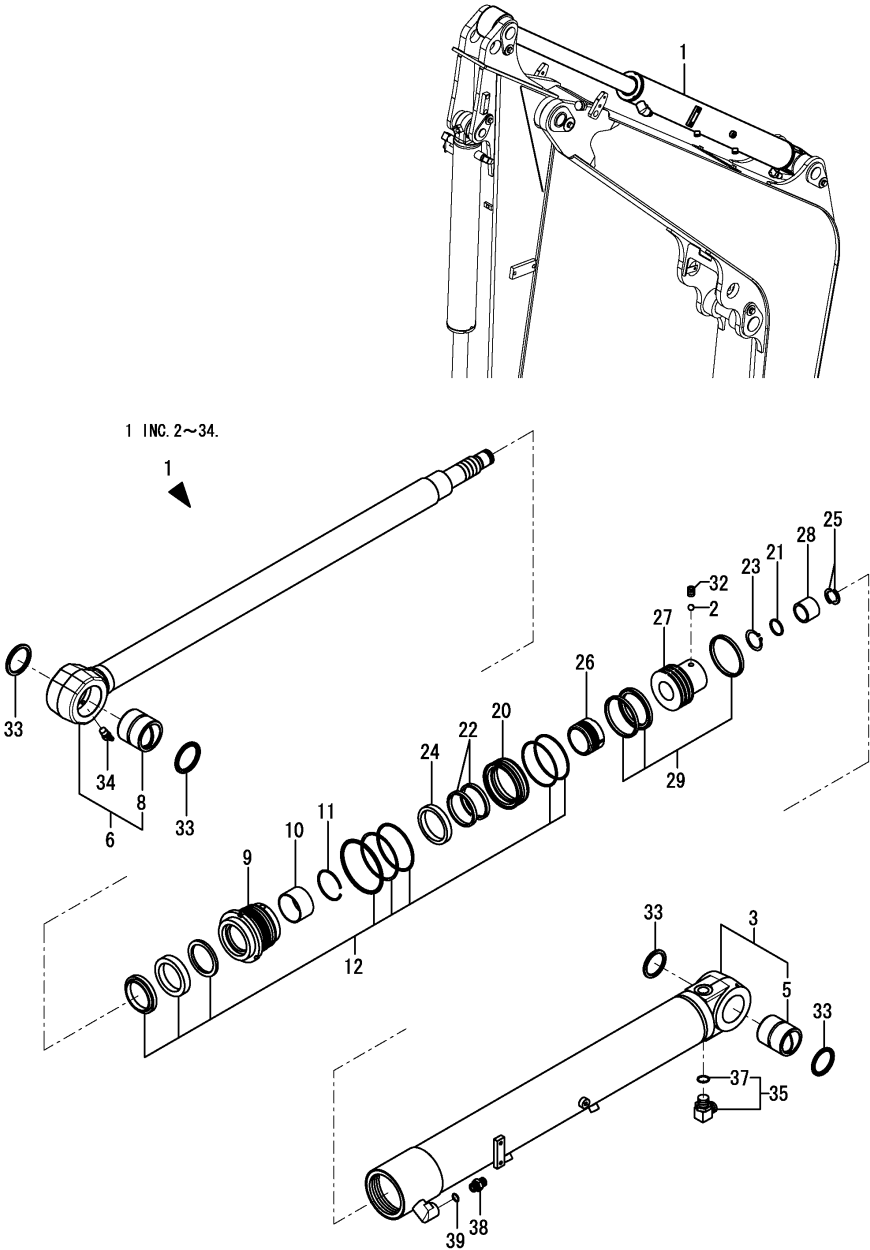
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.92. ARM CYLINDER

(A)=VIO80-1A C(KR)
(B)=
(C)=

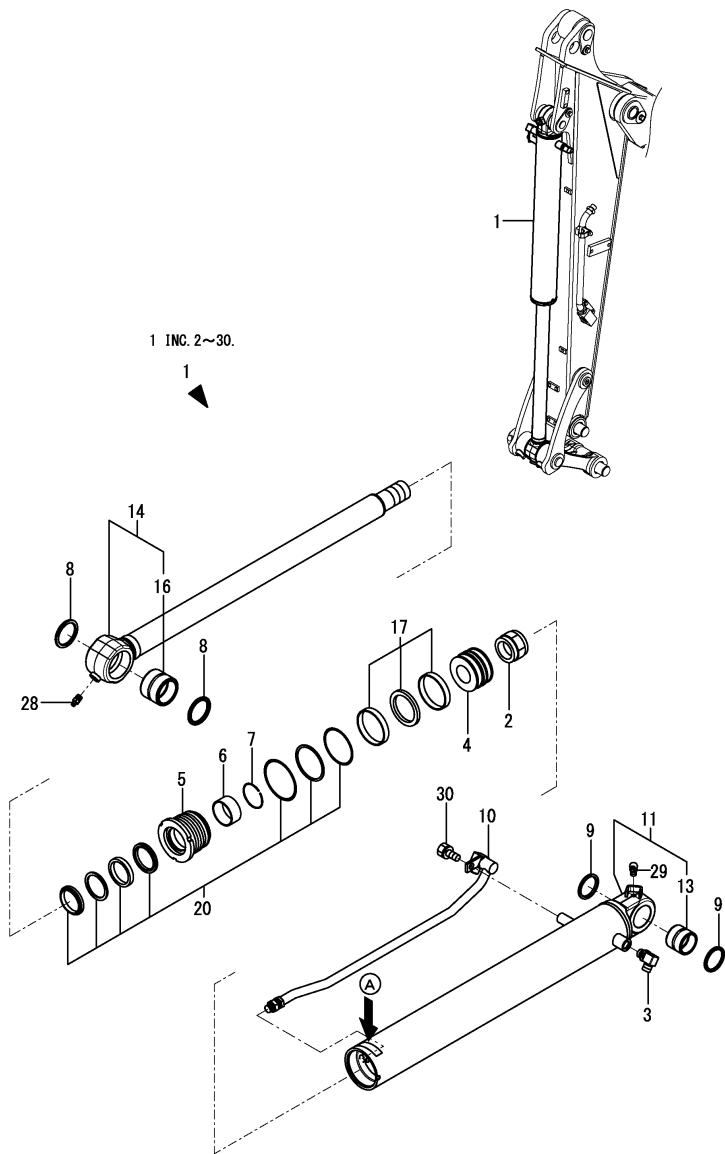
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-72300-N	CYLINDER ASSY, ARM	1							
2	2	172124-70030	BALL, STEEL	1							
3	2	172A89-72310-N	TUBE KIT, CYLINDER	1							
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, 1/2L	1							
37	2	24315-000180	O-RING, 1BP18.0	1							
38	1	172112-77361	CONNECTOR, PF1/2-1/2	1							
39	1	41851-000180	O-RING, P 18.0 HNBR	1							



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

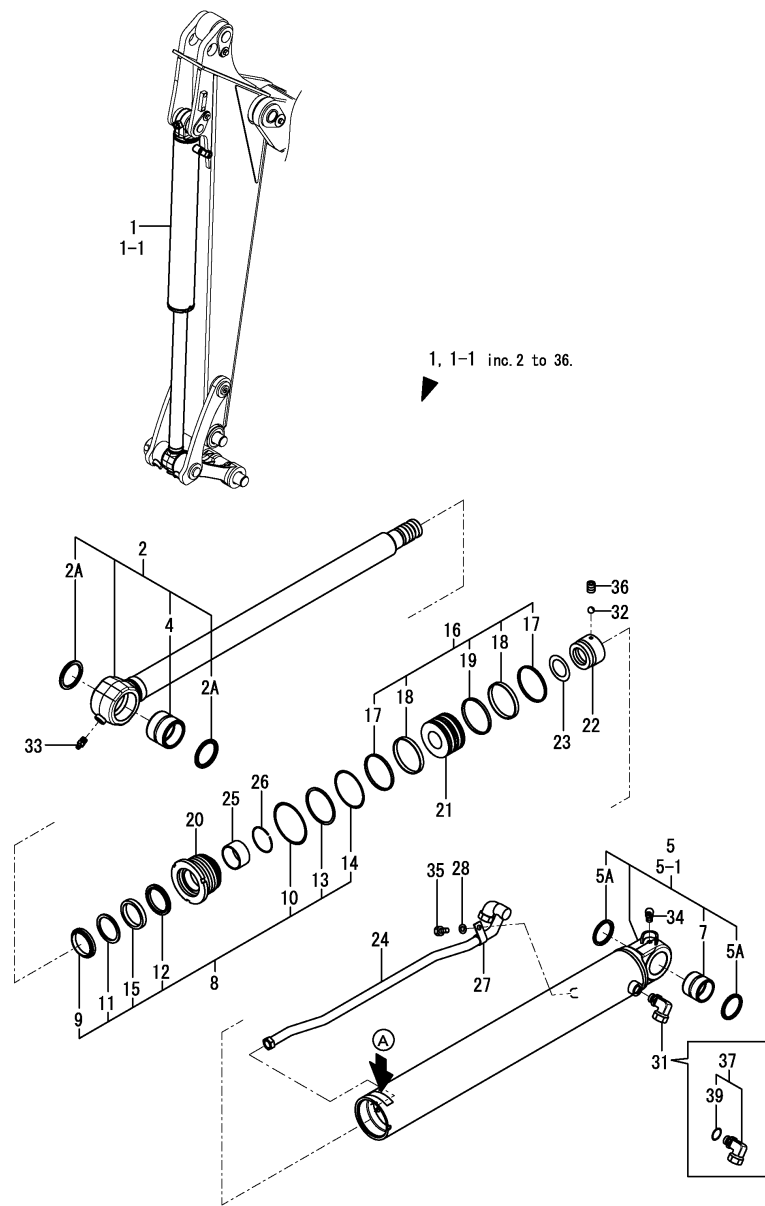


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72500	CYLINDER ASSY,BUCKET	1						Z	
(A=*2016.03)											
2	2	172B11-72130	NUT, LOCK	1							
3	2	172B11-72190	ELBOW, G1/2	1							
4	2	172B11-72510	PISTON	1							
5	2	172B11-72520	HEAD	1							
6	2	172B11-72530	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							
20	2	172B11-72610	SEAL KIT, HEAD	1							
28	2	24761-020000	NIPPLE, GREASE PT1/8	1							
29	2	24761-050000	NIPPLE, GREASE C	1							
30	2	26076-100162	BOLT, 10 X 16	1							

Remarks

* A : There is parts No. & serial No.(K448XXX)
Interchangeable by Fig.173(93A).
The inner parts are not compatible.

Fig.173. (93A)BUCKET CYLINDER(J SPEC.)



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

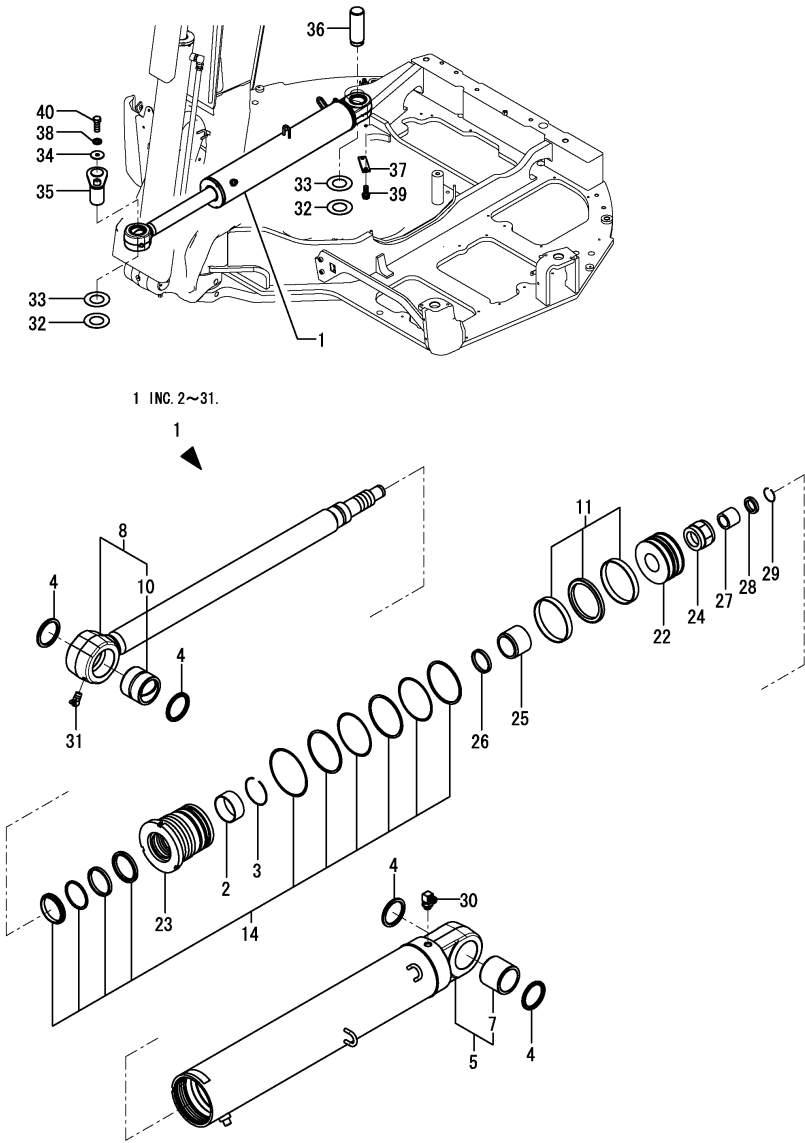
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72501 (A=MAF048)	CYLINDER ASSY,BUCKET	1							W
1-1	1	172B11-72502 (A=*2021.02)	CYLINDER ASSY,BUCKET	1						F	1
2	2	172B11-97100 (A=*2017.04.)	REPAIR KIT, ROD	1							
2A	3	172B11-97400	SEAL, DUST PIN 60X75	2							W
4	3	172B11-97120	BUSH, PIN 60X75X58	1							
5	2	172B11-97130	REPAIR KIT, TUBE	1							
5-1	2	172B11-97131 (A=*2021.02)	REPAIR KIT, TUBE	1						S	1
5A	3	172B11-97410 (A=*2017.04.)	SEAL, DUST PIN 50X60	2							W
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							Z
32	2	24190-080001 (A=*2021.02)	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							
37	1	172141-76900 (A=*2021.02)	CONNECTOR ASSY, 1/2L	1							W
39	2	24315-000180	O-RING, 1BP18.0	1							

Remarks

* There is parts No. & serial No. on A part=No.5 : (172B11-72501HXXXXX), No.5-1 : (172B11-72502HXXXXX)
(1)Interchangeable by simultaneous replacement with No.37.

(A)=VIO80-1A C(KR)
(B)=
(C)=

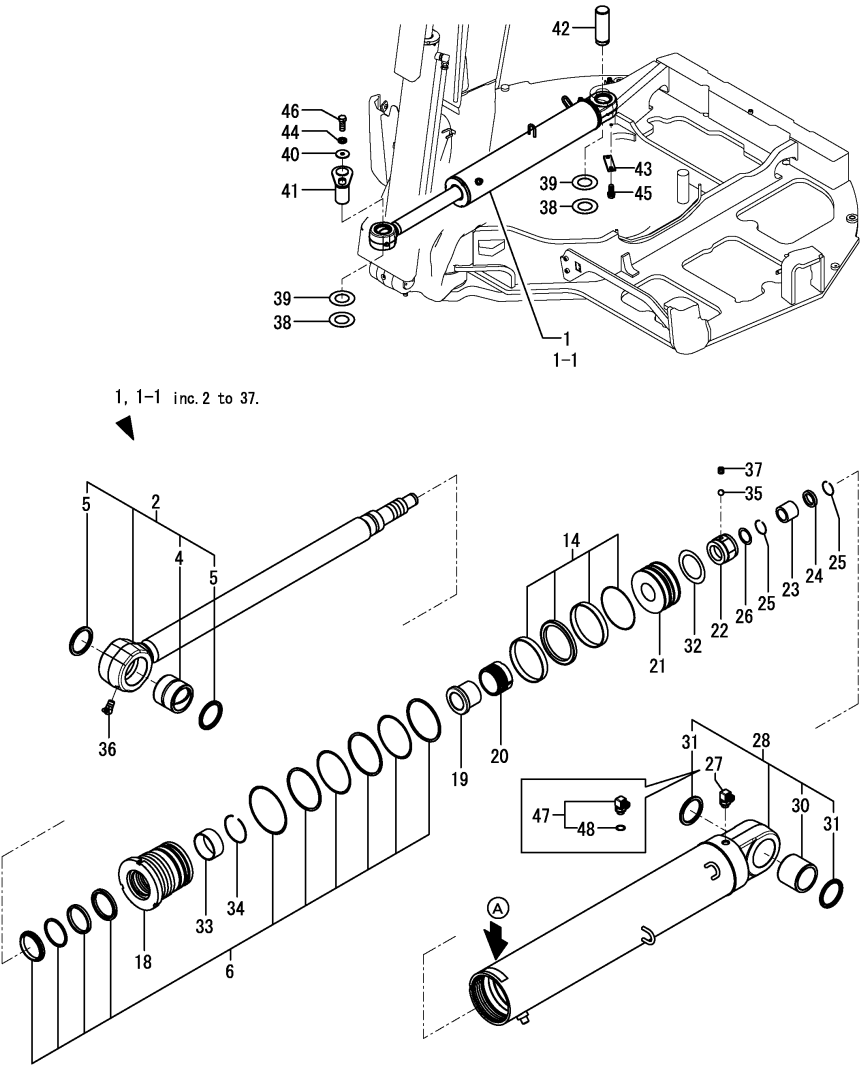
(D)=
(E)=
(F)=



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=MAG880)											
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							
14	2	172B11-72650	SEAL KIT, HEAD	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							

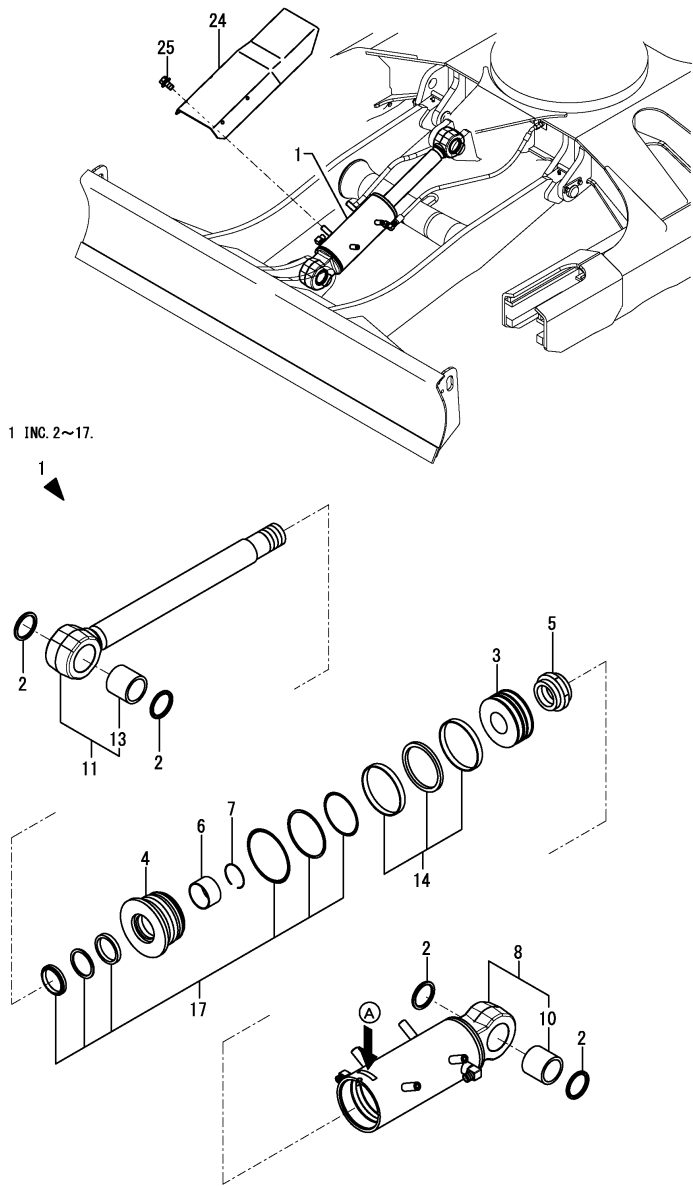
Remarks
(1)Interchangeable by Fig.181(94A) No.1.
The inner parts are not compatible.

Fig.181. (94A)SWING CYLINDER(J SPEC.)



							OCK50-M00640 Fig.181					
							(A)=VIO80-1A C(KR)		(D)=			
							(B)=		(E)=			
							(C)=		(F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	172B11-72701	CYLINDER ASSY, SWING	1							W	
(A=MAG880)												
1-1	1	172B11-72702	CYLINDER ASSY, SWING	1						F	1	
(A=*2021.02)												
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							Z	
(A=*2021.02)												
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								
47	1	172142-76181	JOINT, 90-3/8	1							W	
(A=*2021.02)												
48	2	24315-000140	O-RING, 1BP14.0	1								

Remarks
(1)There is parts No. & serial No. on A part=No.1 : (172B11-72701HXXXXX), No.1-1 : (172B11-72702HXXXXX)
Interchangeable by simultaneous replacement with No.47.



(A)=VIO80-1A C(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							
17	2	172B11-72890	SEAL KIT, HEAD	1							
24	1	172B11-72900	COVER ASSY, CYLINDER	1							
25	1	26014-100202	BOLT, M10X 20	4							

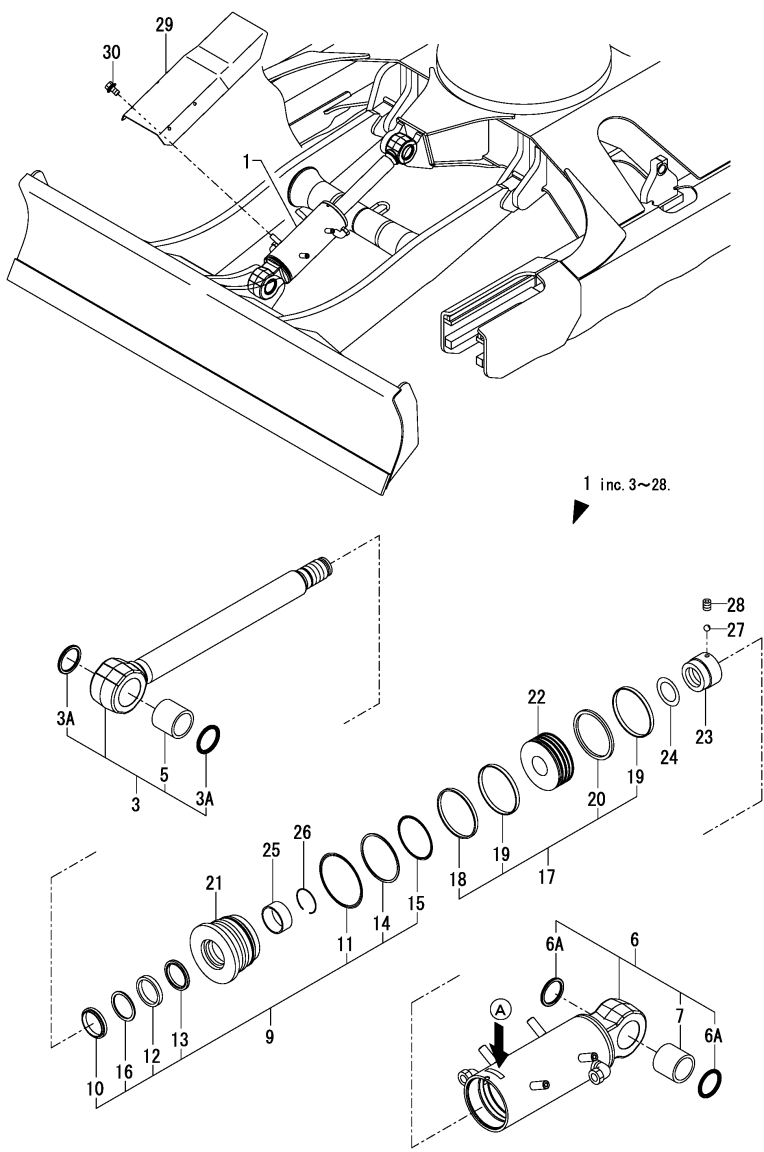
Remarks

* A : There is parts No. & serial No.(K450XXX)

Interchangeable by Fig.174(95A).

The inner parts are not compatible.

Fig.174. (95A)BLADE CYLINDER(J SPEC.)

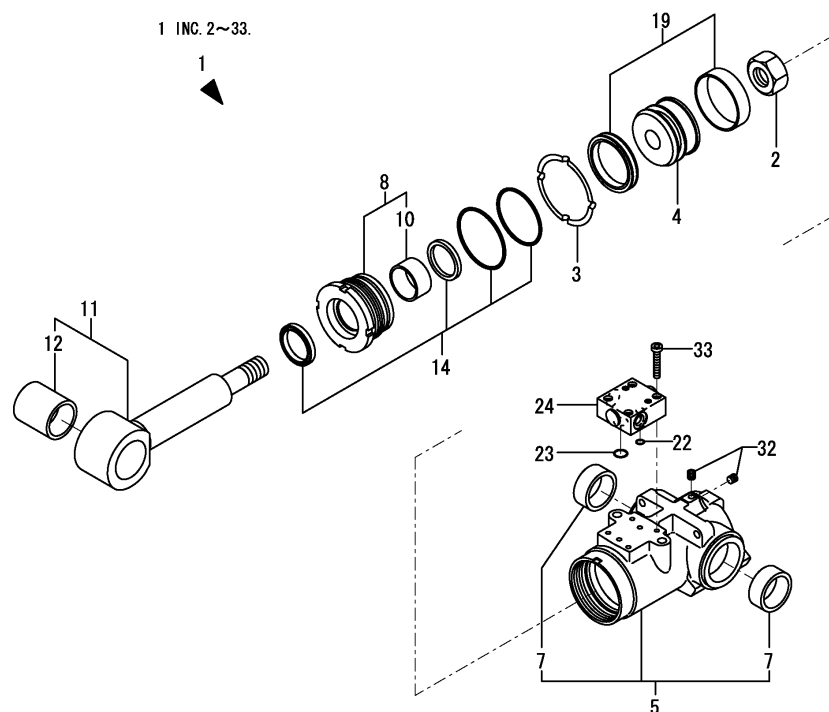
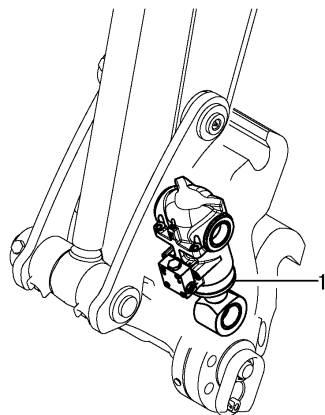


(A)=VIO80-1A C(KR)
(B)=
(C)=

(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							

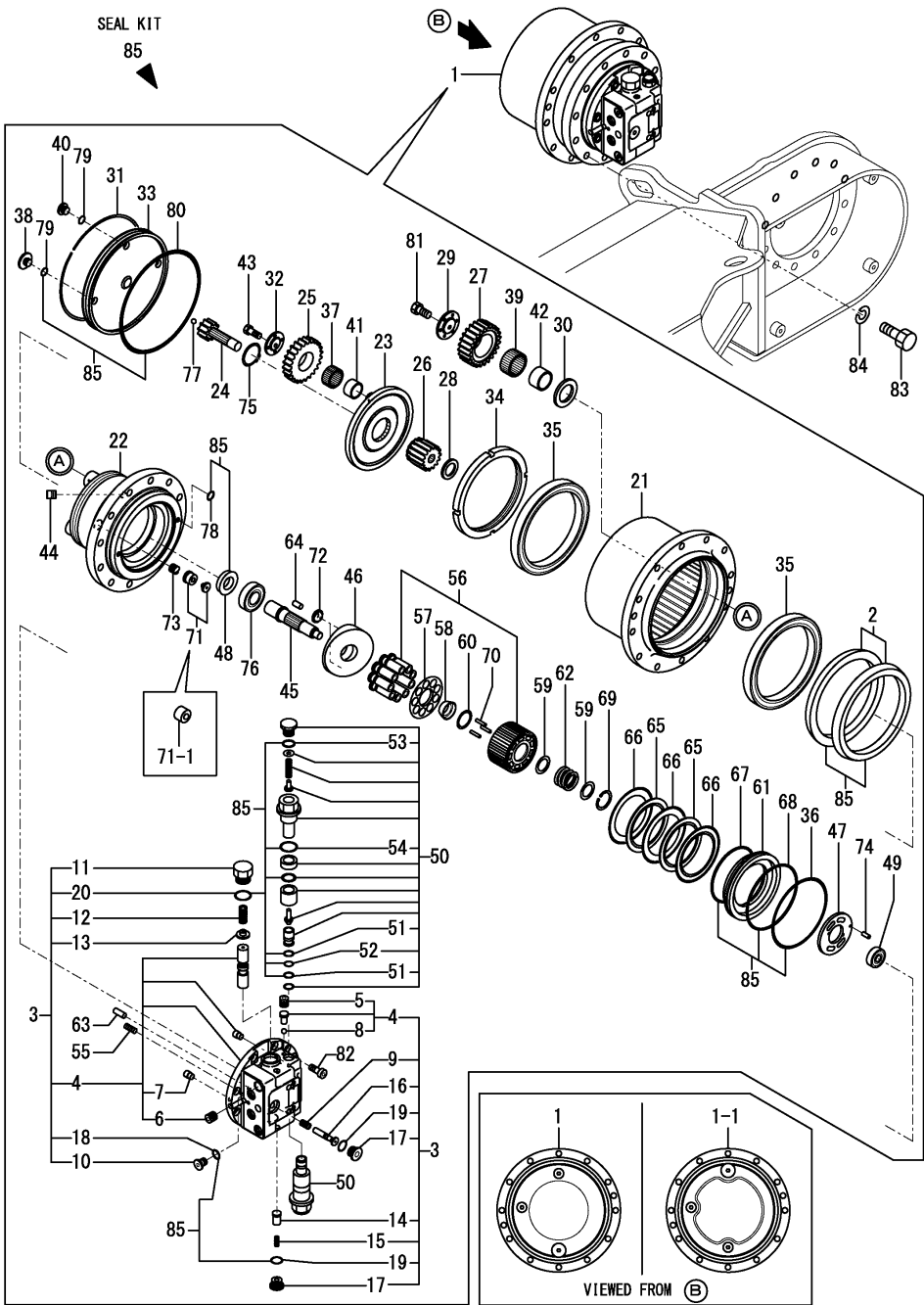
Remarks
* A : There is parts No. & serial No.(172B11-72801HXXX)
The inner parts are not compatible.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172978-72800-N	CYLINDER, HITCH	1							
2	2	172141-72250	U-NUT, M27	1							
3	2	172142-72260	WASHER, LOCK 80 B	1							
4	2	172175-72480	PISTON, 80	1							
5	2	172978-72810-N	TUBE, HITCH	1							
7	3	172978-72890	BUSH, 45-55-22	2							
8	2	172978-72860	HEAD ASSY, 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, P8	1							
23	2	172958-72960	O-RING, P14	1							
24	2	172958-72983-N	VALVE ASSY, OPERATE	1							
32	2	23871-005000	PLUG, R005	2							
33	2	26450-060302	BOLT, M6X 30	4							

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

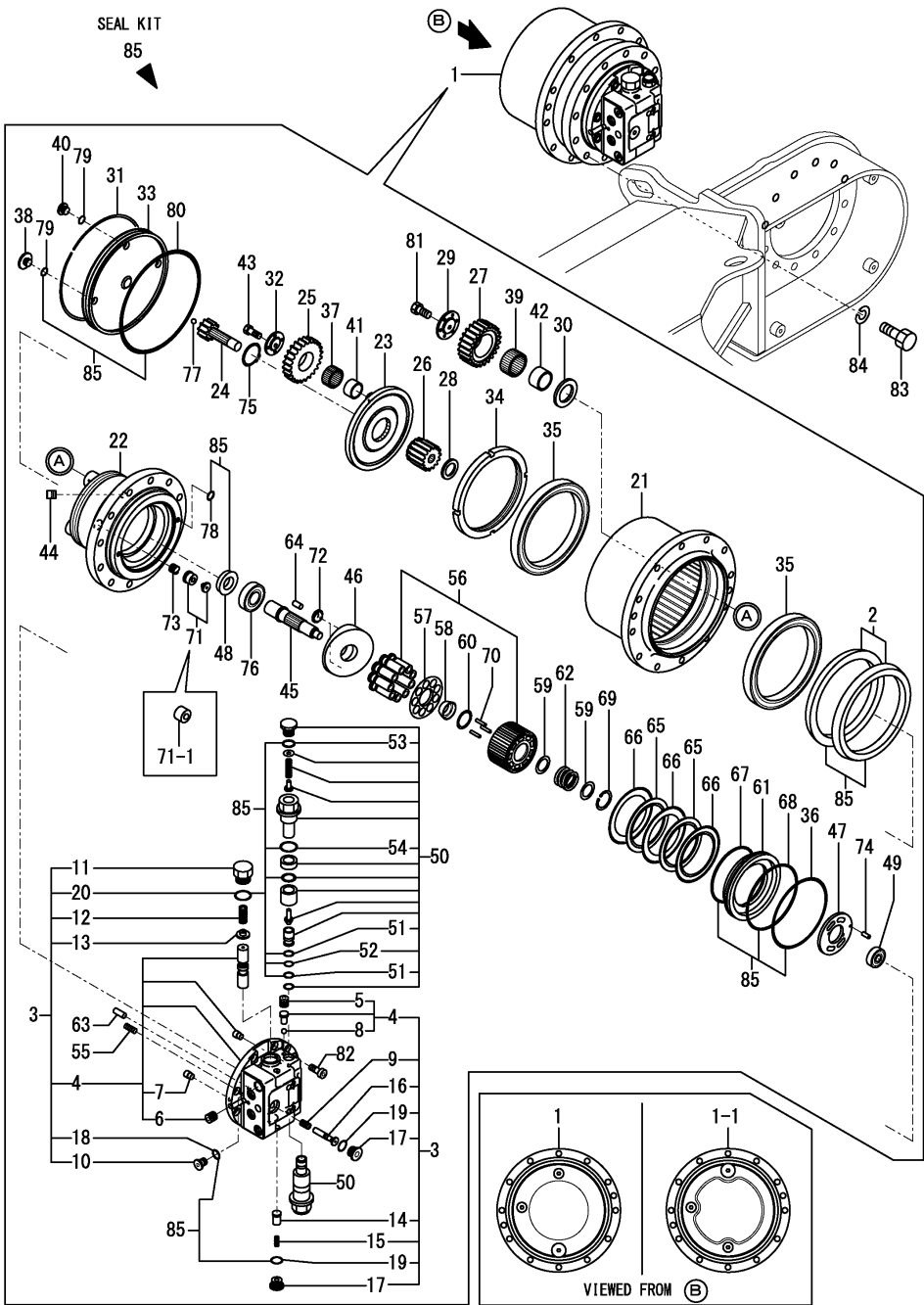


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-73300	MOTOR ASSY, TRAVEL	2							
1-1	1	172A89-73301	MOTOR ASSY, TRAVEL	2						N	
(A=M1B297)											
2	2	172A65-73310	SEAL SET, FLOATING	2							
3	2	172A89-73310	FLANGE ASSY, REAR	2							
4	3	172A89-73320	FLANGE KIT, 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	RETAINER, SPRING	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							
22-1	1	172A89-73350	SPINDLE	2						S	
(A=M1B297)											
23	2	172A65-73340	CARRIER	2							
24	2	172A65-73350	GEAR, SUN 2	2							
25	2	172A65-73360	GEAR, PLANETARY 1	6							
26	2	172A65-73370	GEAR, SUN 1	2							
27	2	172A65-73380	GEAR, PLANETARY 2	8							
28	2	172A65-73390	COLLAR, THRUST	2							
29	2	172A65-73400	WASHER, THRUST 1	8							
30	2	172A65-73410	WASHER, THRUST 2	8							
31	2	172479-73420	RING	2							
32	2	172A65-73420	WASHER, THRUST 3	6							
33	2	172A65-73430	COVER	2							
33-1	1	172A89-73430	COVER	2						N	
(A=M1B297)											
34	2	172A65-73440	NUT, RING	2							
35	2	172A65-73450	BEARING, ANGULAR	4							
36	2	172499-73460	O-RING	2							
37	2	172A65-73460	BEARING, ROLLER	6							
38	2	172479-73470	PLUG	2							
39	2	172A65-73470	BEARING, ROLLER	8							
40	2	172479-73480	PLUG	4							
41	2	172A65-73480	INNER RACE	6							
42	2	172A65-73490	INNER RACE	8							
43	2	172A65-73500	BOLT, M8X20 10.9T	6							
44	2	172A65-73510	SCREW, M8X12	4							
45	2	172A65-73520	SHAFT	2							

Fig.97. TRAVEL MOTOR

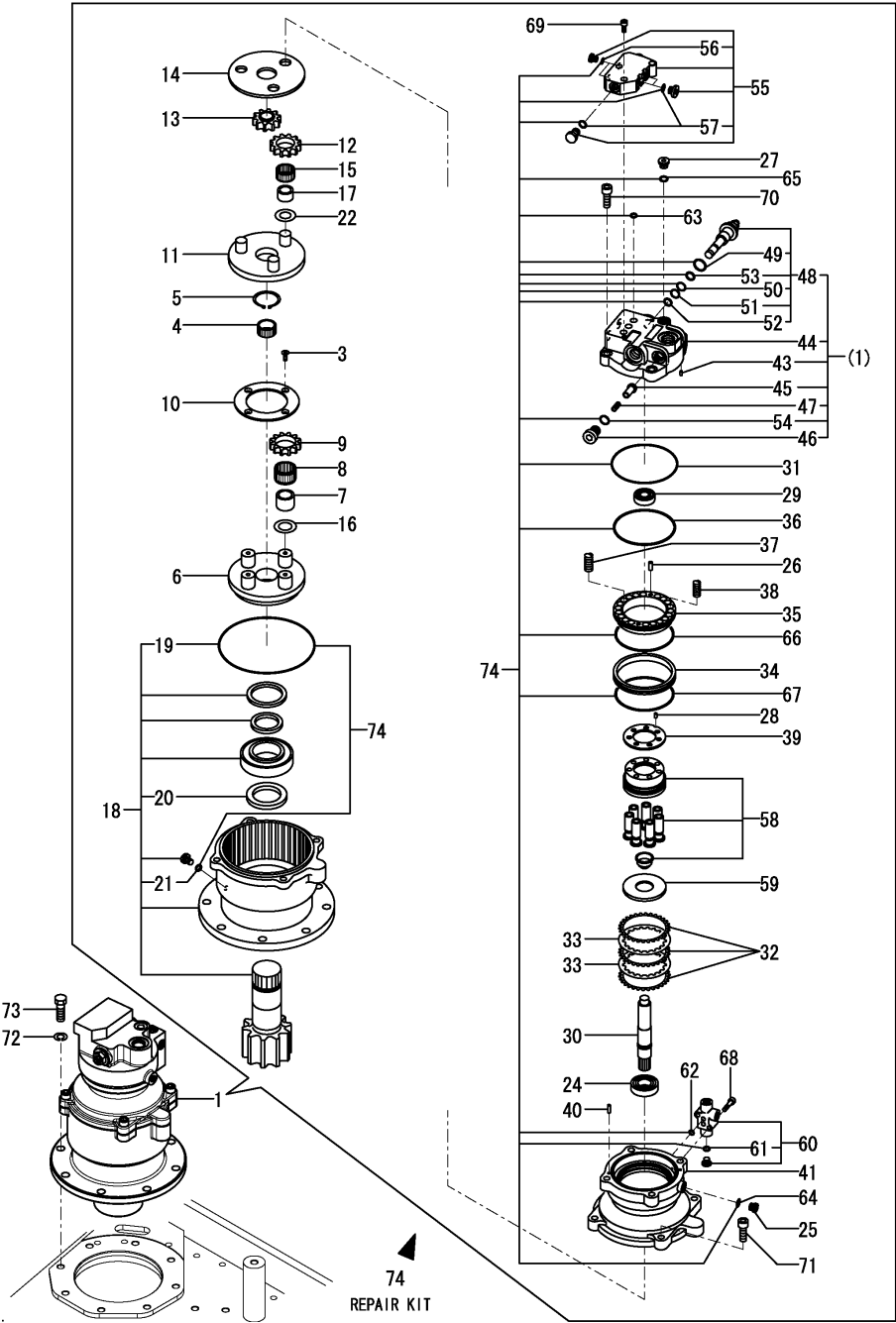
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

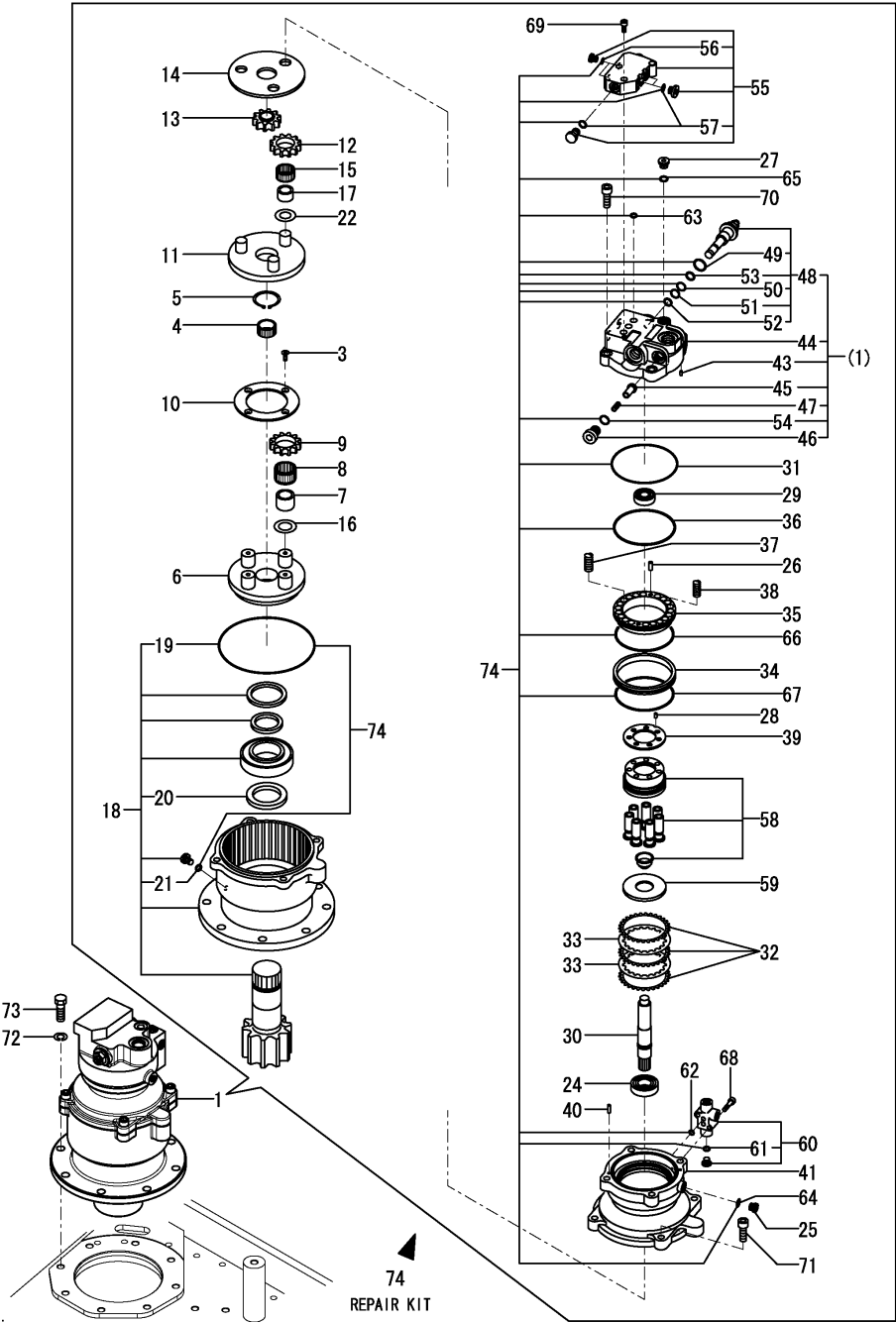


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
46	2	172A65-73530	PLATE, SWASH	2							
46-1	1	172A89-73530	PLATE, SWASH	2							S
(A=M1B297)											
47	2	172A65-73540	PLATE, TIMING	2							
48	2	172A65-73550	SEAL, OIL	2							
49	2	172A65-73560	BEARING	2							
50	2	172A65-73570	VALVE ASSY, RELIEF	4							
51	3	172A65-73580	RING, BACK UP	8							
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 ASSY	2							
57	2	172499-73630	PLATE, RETAINER	2							
57-1	1	172A89-73540	PLATE, RETAINER	2							N
(A=M1B297)											
58	2	172499-73640	BALL, THRUST	2							
58-1	1	172A89-73550	BALL, THRUST	2							N
(A=M1B297)											
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, PARALLEL 8X54	4							
64	2	172479-73710	PIN, PARALLEL 8X54	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, SNAP	2							
70	2	172499-73810	BEARING, ROLLER	6							
71	2	172499-73820	PISTON ASSY	2							
71-1	1	172A89-73560	PISTON	2							S
(A=M1B297)											
72	2	172499-73830	PIVOT	4							
72-1	1	172A89-73570	PIVOT	4							S
(A=M1B297)											
73	2	172499-73870	SPRING	2							
74	2	172479-73950	PIN, PARALLEL 8X54	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	172460-73320	BOLT, 16X45	24							
84	1	22217-160000	WASHER, SPRING 16	24							
85	1	172A65-73700	SEAL SET	2							

Fig.98. TURNING MOTOR

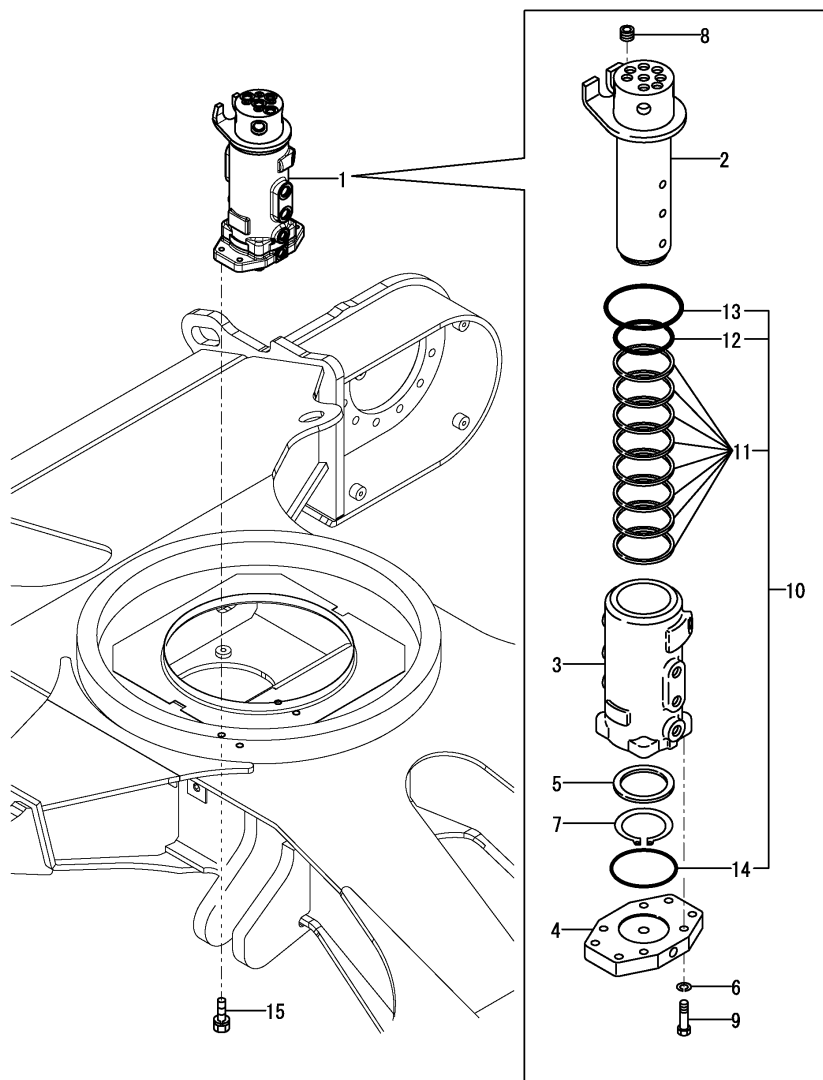


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-73310	MOTOR ASSY, SWING	1							
3	3	172162-70290	SCREW	4							
4	3	172162-70310	GEAR, SUN	1							
5	3	172162-70320	RING, SNAP	1							
6	3	172499-70720	HOLDER	1							
7	3	172499-70730	LACE, INNER	4							
8	3	172499-70740	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 KIT, THRUST	1							
15	3	172450-73360	BEARING, NEEDLE	3							
16	3	172423-73370	WASHER, THRUST	4							
17	3	172450-73370	LACE, INNER	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, BALL	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, AS568-257	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							
41	3	172A69-73330	CASE	1							
43	4	172124-70380	ORIFICE	1							
44	4	172499-70900	COVER	1							
45	4	172499-70910	POPPET	2							
46	4	172499-70920	PLUG	2							
47	4	172499-70930	SPRING	2							
48	4	172B11-73340	VALVE ASSY, RELIEF	2							
49	5	172499-70950	O-RING, AS568-916	2							
50	5	172499-70960	RING, BACK UP	2							
51	5	172312-74780	RING, BUCK UP	2							
52	5	24315-000150	O-RING, 1BP15.0	2							
53	5	24315-000160	O-RING, 1BP16.0	2							
54	4	24315-000210	O-RING, 1BP21.0	2							



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	BLOCK ASSY, CYLINDER	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.99. SWIVEL JOINT



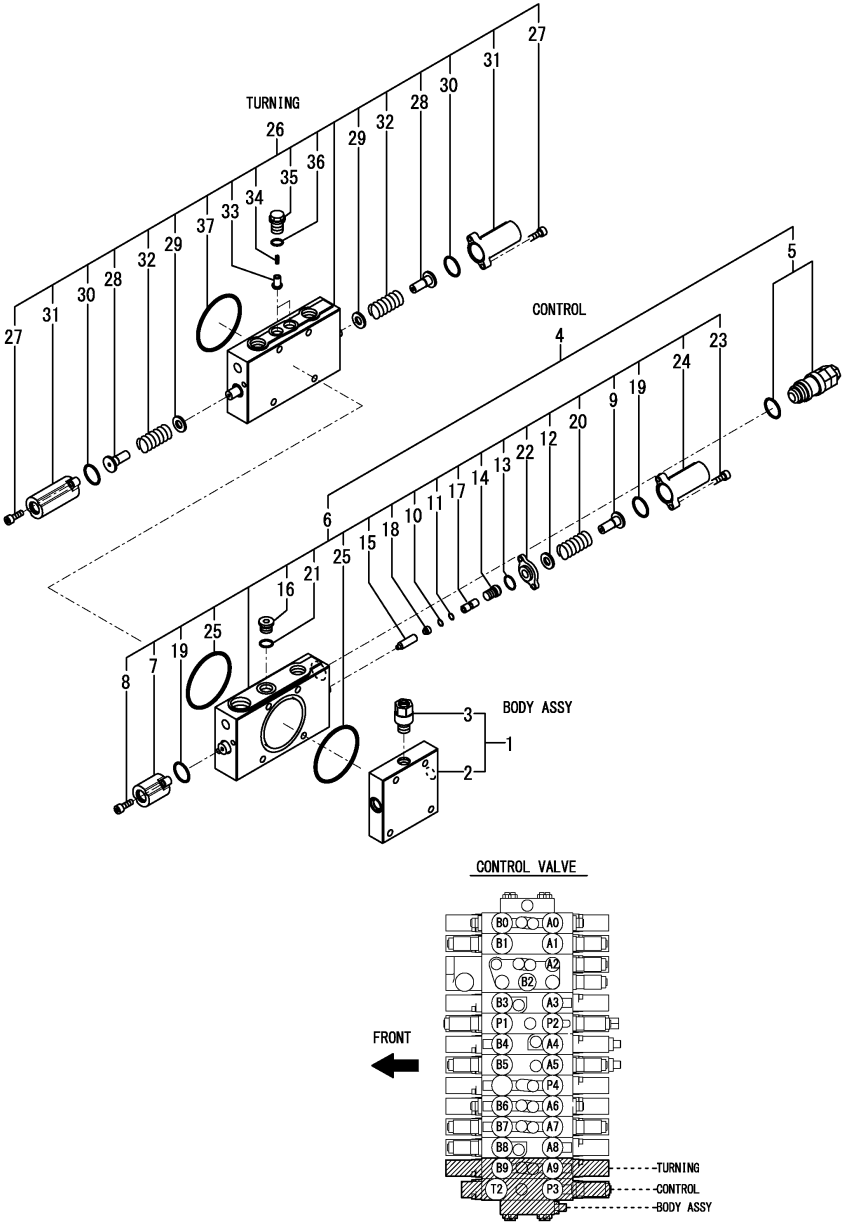
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A65-73800	JOINT ASSY, SWIVEL	1							
2	2	172A65-73810	SHAFT ASSY	1							
3	2	172A65-73840	ROTOR	1							
4	2	172A65-73850	FLANGE	1							
5	2	172A65-73860	SPACER	1							
6	2	22217-100000	WASHER, SPRING 10	4							
7	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, M12X 40	4							

Fig.100. ACCUMULATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-73600	ACCUMULATOR	1							
2	1	172B11-73630	CLAMP	1							
3	1	172423-76120	CONNECTOR, PF1/2X1/4	1							
4	1	26014-080202	BOLT, M8X 20	2							
5	1	41851-000180	O-RING, P 18.0 HNBR	1							

Fig.172. (110I)CONTROL VALVE(B-TYPE)(9/9)(FROM M1B320)



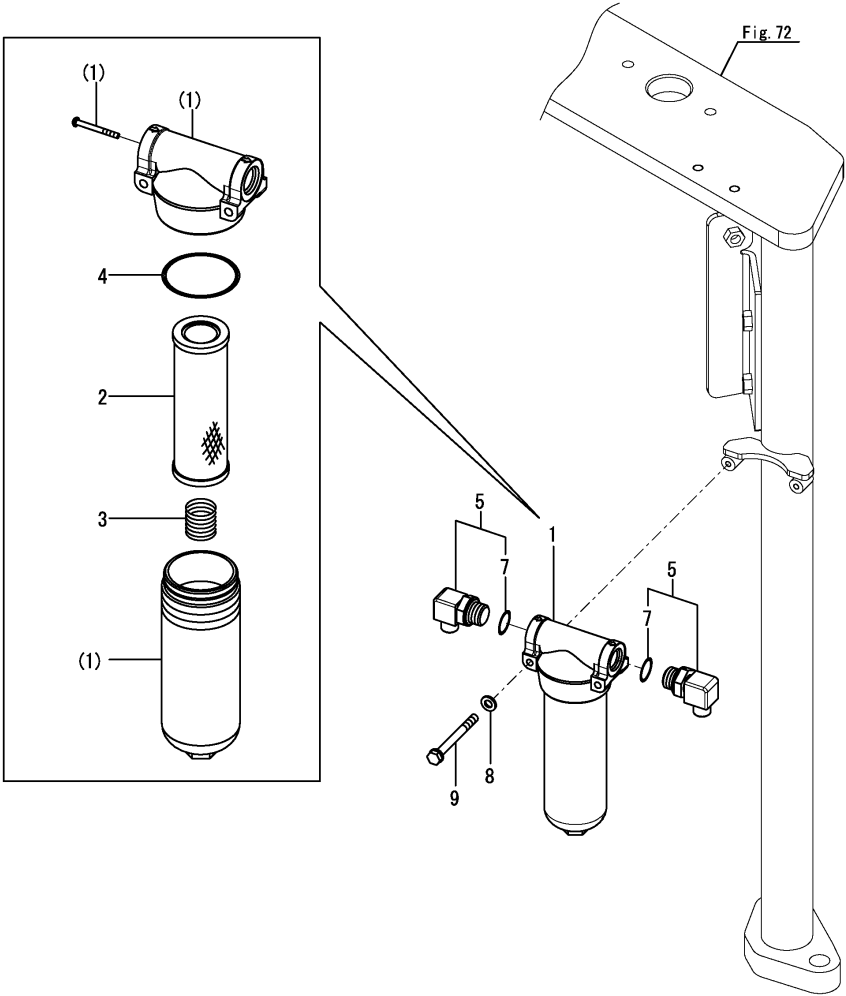
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

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	172B11-74141	SECTION ASSY,CONTROL	1							
5	3	172B11-74150	RELIEF, 24.2/30	1							
6	3	172B27-74360	SECTION, CONFLUX	1							
7	4	172A69-71240	CAP ASSY	1							
8	4	172151-74060	BOLT, SOCKET HEAD	2							
9	4	172478-74180	SEAT, SPRING	1							
10	4	172425-74200	O-RING	1							
11	4	172425-74210	RING, BACKUP	1							
12	4	172175-74220	SEAT, SPRING	1							
13	4	172312-74230	O-RING	1							
14	4	172B11-74230	PLUG	1							
15	4	172B11-74240	SPOOL, POPPET	1							
16	4	172A69-74250	PLUG	1							
17	4	172B11-74250	SPACER	1							
18	4	172B11-74260	SPRING	1							
19	4	172151-74320	O-RING	2							
20	4	172455-74410	SPRING	1							
21	4	172455-74460	O-RING	1							
22	4	172B27-74460	SPACER	1							
23	4	172B27-74470	BOLT, HEX SOCKET	2							
24	4	172455-74480	CAP, STEERING WHEEL	1							
25	4	24321-000700	O-RING, 1AG70.0	2							
26	2	172A89-74270	SECTION, SWING	1							
27	3	172151-74060	BOLT, SOCKET HEAD	4							
28	3	172478-74180	SEAT, SPRING	2							
29	3	172175-74220	SEAT, SPRING	2							
30	3	172151-74320	O-RING	2							
31	3	172455-74390	CAP, STEERING WHEEL	2							
32	3	172455-74410	SPRING	2							
33	3	172455-74420	POPPET, VALVE	2							
34	3	172455-74440	SPRING	2							
35	3	172455-74450	PLUG	2							
36	3	172455-74460	O-RING	2							
37	3	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.164(110A).

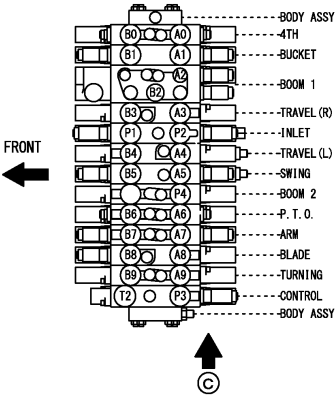
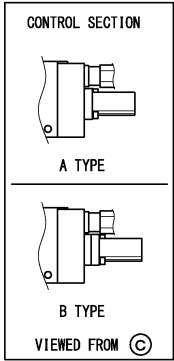
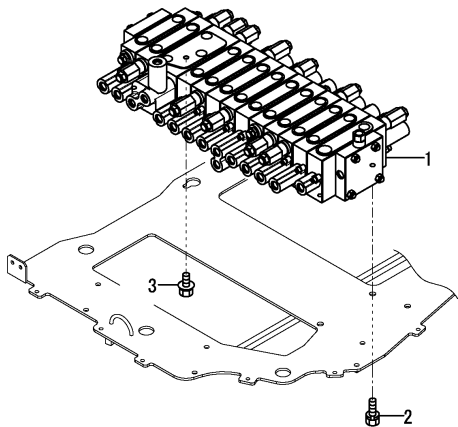
Fig.101. LINE FILTER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-73750	FILTER ASSY, LINE	1							
2	2	172B11-73760	ELEMENT	1							
3	2	172B11-73770	SPRING	1							
4	2	172B11-73780	O-RING, JASO 2053 90	1							
5	1	172157-76300	ELBOW ASSY, 3/8-1/2	2							
7	2	24315-000180	O-RING, 1BP18.0	2							
8	1	22137-060000	WASHER, 6	2							
9	1	26013-060602	BOLT, M6X 60	2							

Fig.102. CONTROL VALVE(A-TYPE)(1/9)(TO M1B319)

CONTROL VALVE ASSY
Fig. 102 Ref. No. 1
INC. Fig. 103~110.



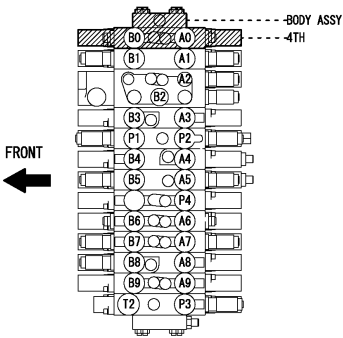
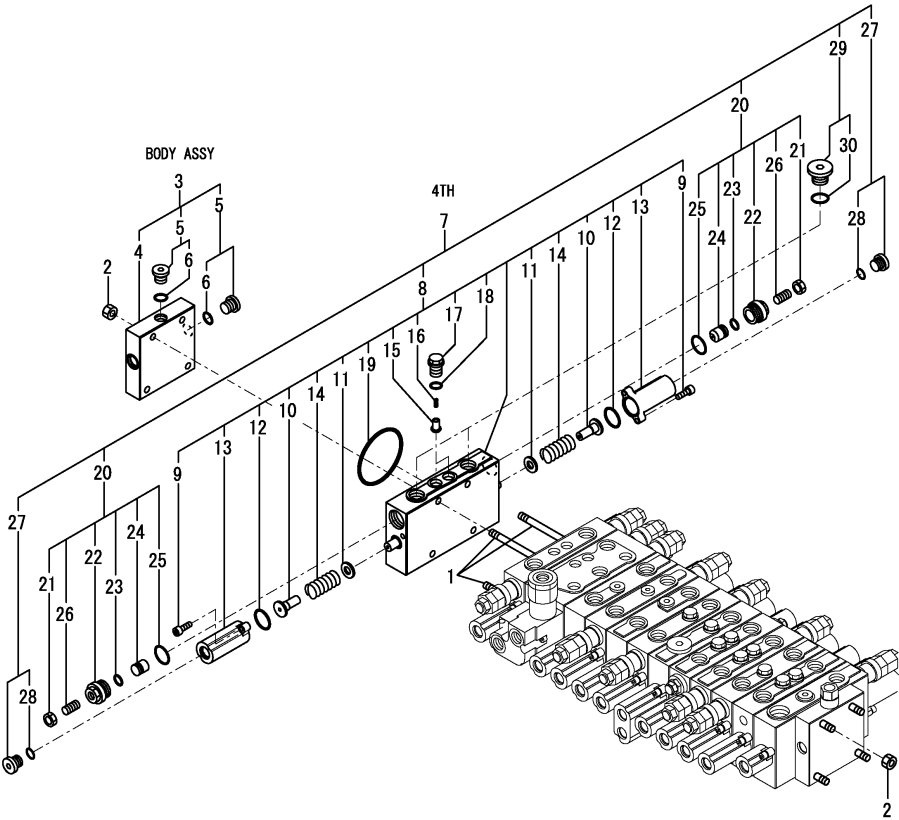
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-74100	VALVE ASSY, CONTROL	1							1
2	1	26013-100162	BOLT, M10X 16	2							
3	1	26106-100122	BOLT, M10X 12 PLATED	1							

Remarks
* B-type is shown in Fig.164(110A).
(1)Inner parts are shown in Fig.110 from Fig.103.

Fig.103. CONTROL VALVE(A-TYPE)(2/9)(TO M1B319)



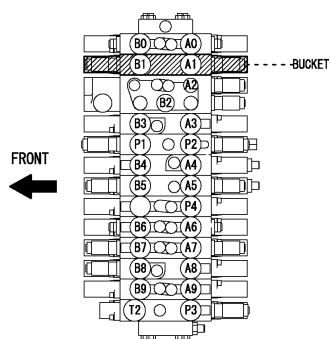
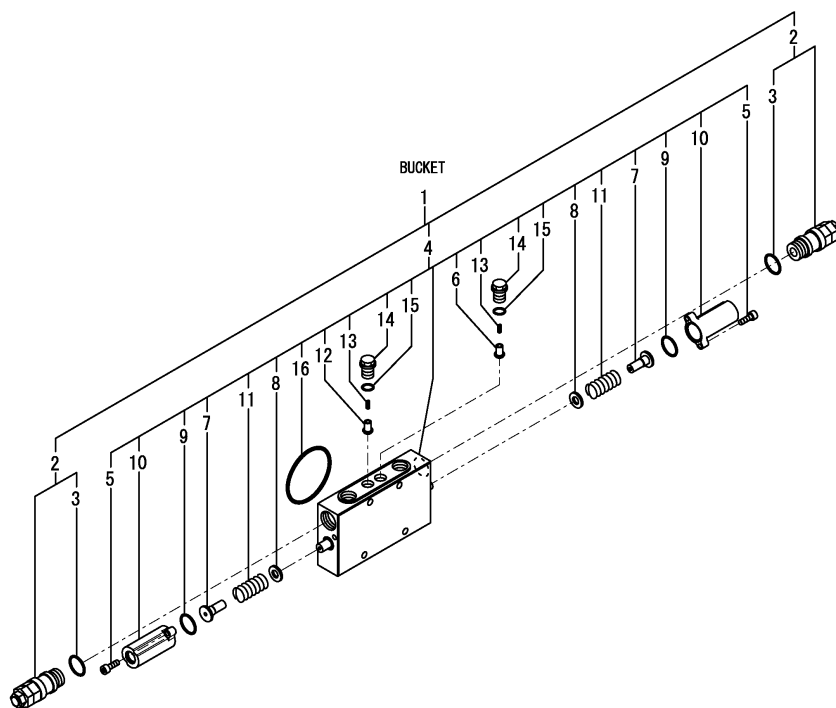
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

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

Remarks
* Control valve assy is shown in Fig.102.

Fig.104. CONTROL VALVE(A-TYPE)(3/9)(TO M1B319)



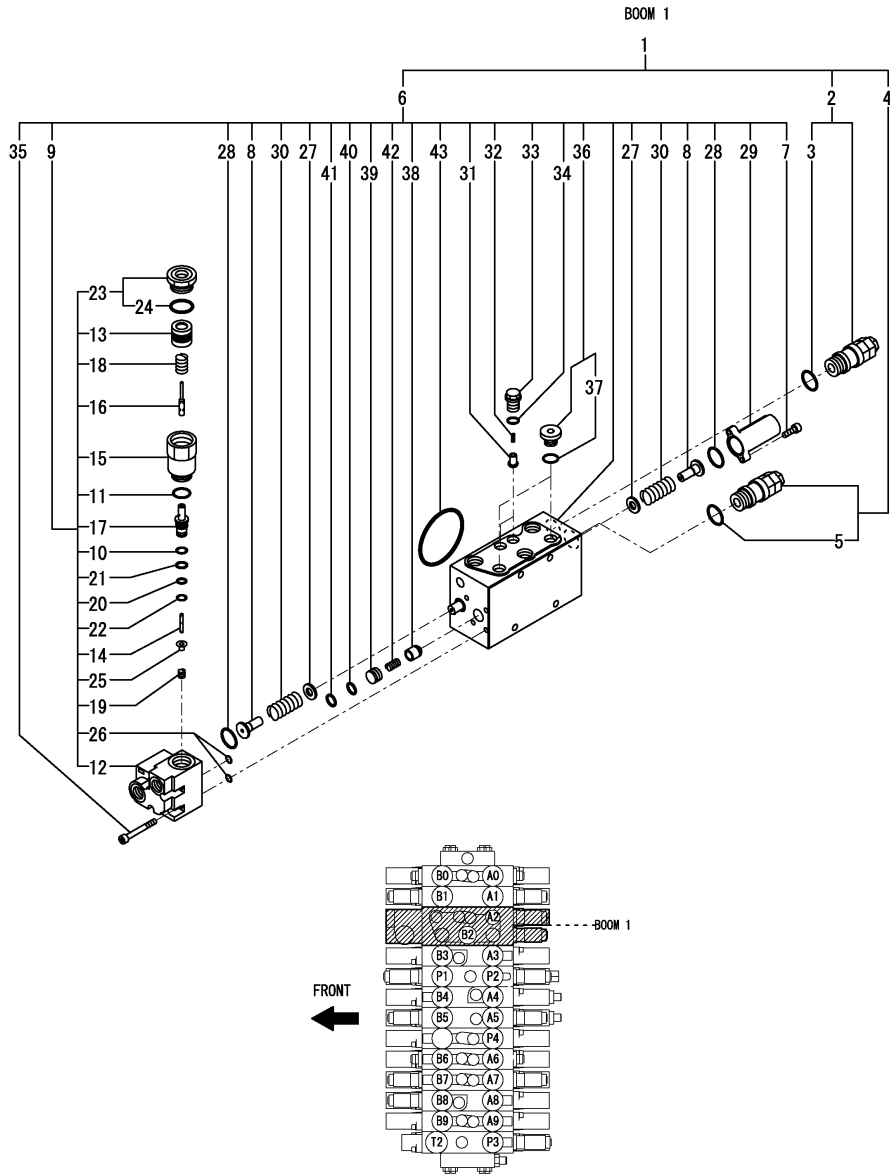
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74141	SECTION ASSY, BUCKET	1							
2	3	172A89-74150	VALVE,RELIEF 28.5/50	2							
3	4	172116-74150	O-RING	2							
4	3	172A89-74161	SECTION, BUCKET	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172478-74170	POPPET, VALVE	1							
7	4	172478-74180	SEAT, SPRING	2							
8	4	172175-74220	SEAT, SPRING	2							
9	4	172151-74320	O-RING	2							
10	4	172455-74390	CAP, STEERING WHEEL	2							
11	4	172455-74410	SPRING	2							
12	4	172455-74420	POPPET, VALVE	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							

* Control valve assy is shown in Fig.102.

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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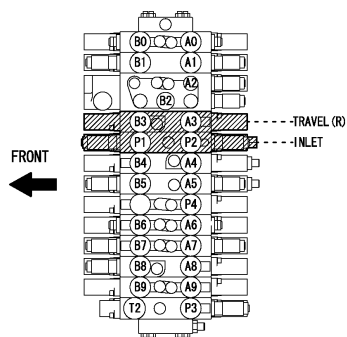
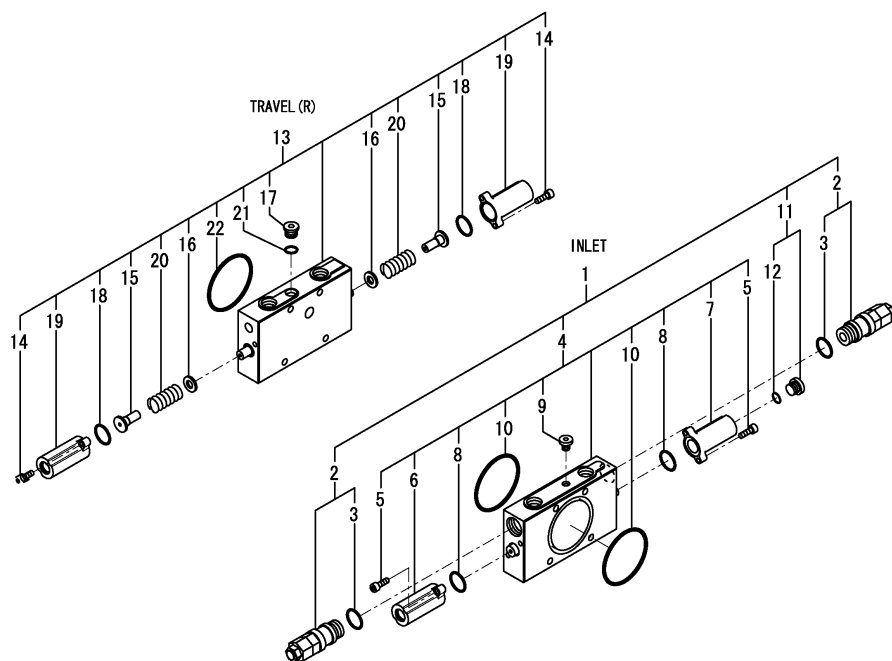
Fig.105. CONTROL VALVE(A-TYPE)(4/9)(TO M1B319)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74180	SECTION ASSY, BOOM 1	1							
2	3	172A89-74150	VALVE,RELIEF 28.5/50	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	172B11-74200	SECTION, BOOM 1	1							
7	4	172151-74060	BOLT, SOCKET HEAD	2							
8	4	172478-74180	SEAT, SPRING	2							
9	4	172488-74200	VALVE ASSY	1							
10	5	172638-73650	RING, BACK UP	1							
11	5	172116-74150	O-RING	1							
12	5	172488-74210	BODY	1							
13	5	172488-74220	PISTON, HYDRAULIC	1							
14	5	172455-74590	POPPET, VALVE	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	RING, BACK UP	1							
23	5	172187-74690	PLUG ASSY	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, STEERING WHEEL	1							
30	4	172455-74410	SPRING	2							
31	4	172455-74420	POPPET, VALVE	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 ASSY	2							
37	5	24315-000140	O-RING, 1BP14.0	2							
38	4	172455-74550	POPPET, VALVE	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							

Remarks
* Control valve assy is shown in Fig.102.

Fig.106. CONTROL VALVE(A-TYPE)(5/9)(TO M1B319)



(D)=
(E)=
(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 ASSY	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 R	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, STEERING WHEEL	2							
20	3	172455-74410	SPRING	2							
21	3	172455-74460	O-RING	1							
22	3	24321-000700	O-RING, 1AG70.0	1							

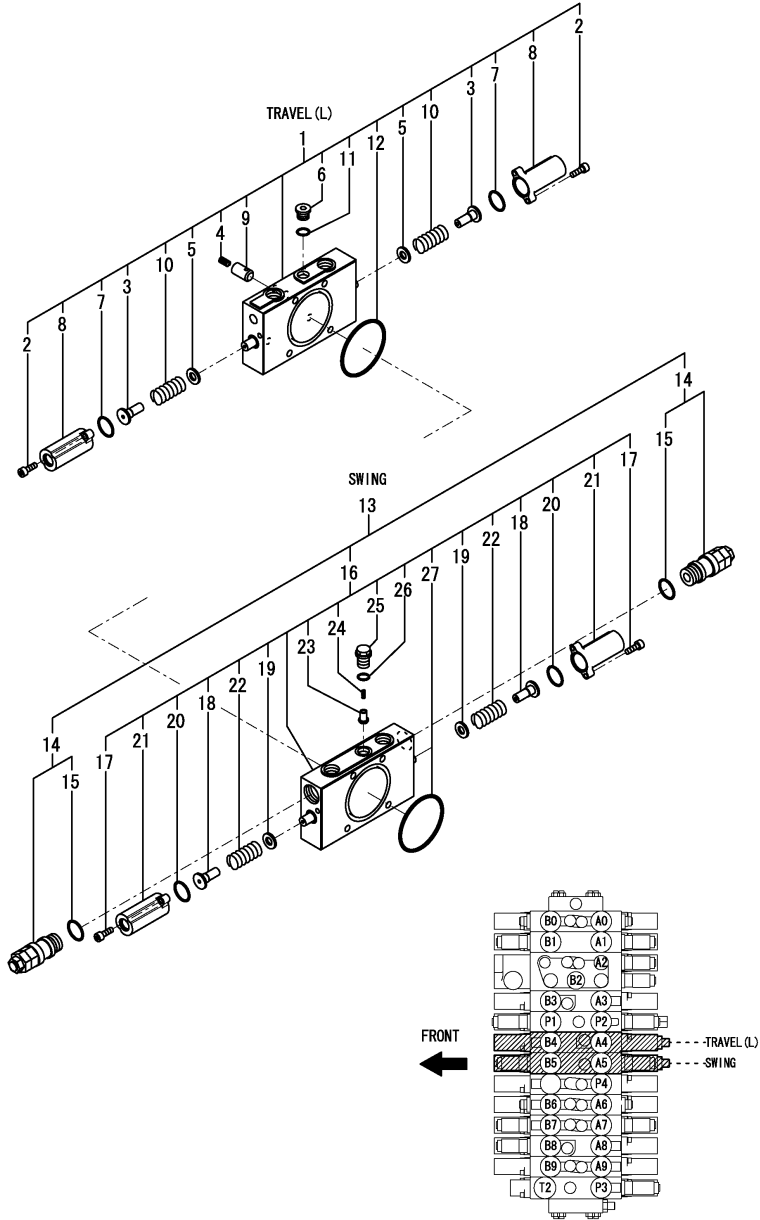
* Control valve assy is shown in Fig.102.

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.107. CONTROL VALVE(A-TYPE)(6/9)(TO M1B319)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



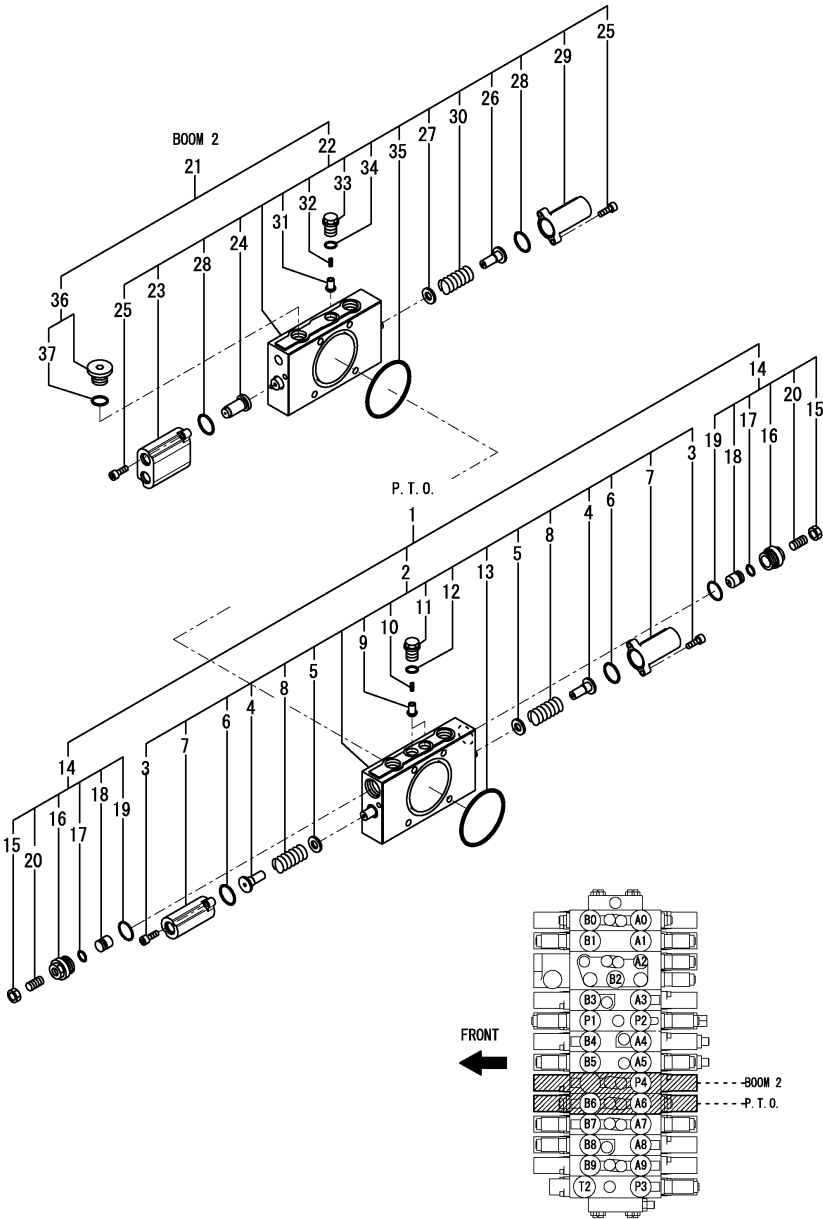
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74220	SECTION, TRAVEL L	1							
2	3	172151-74060	BOLT, SOCKET HEAD	4							
3	3	172478-74180	SEAT, SPRING	2							
4	3	172113-74190	SPRING	1							
5	3	172175-74220	SEAT, SPRING	2							
6	3	172A69-74250	PLUG	1							
7	3	172151-74320	O-RING	2							
8	3	172455-74390	CAP, STEERING WHEEL	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 28.5/50	2							
15	4	172116-74150	O-RING	2							
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, STEERING WHEEL	2							
22	4	172455-74410	SPRING	2							
23	4	172455-74420	POPPET, VALVE	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							

Remarks
* Control valve assy is shown in Fig.102.

Fig.108. CONTROL VALVE(A-TYPE)(7/9)(TO M1B319)

(A)=VIO80-1A C(KR)
(B)=
(C)=

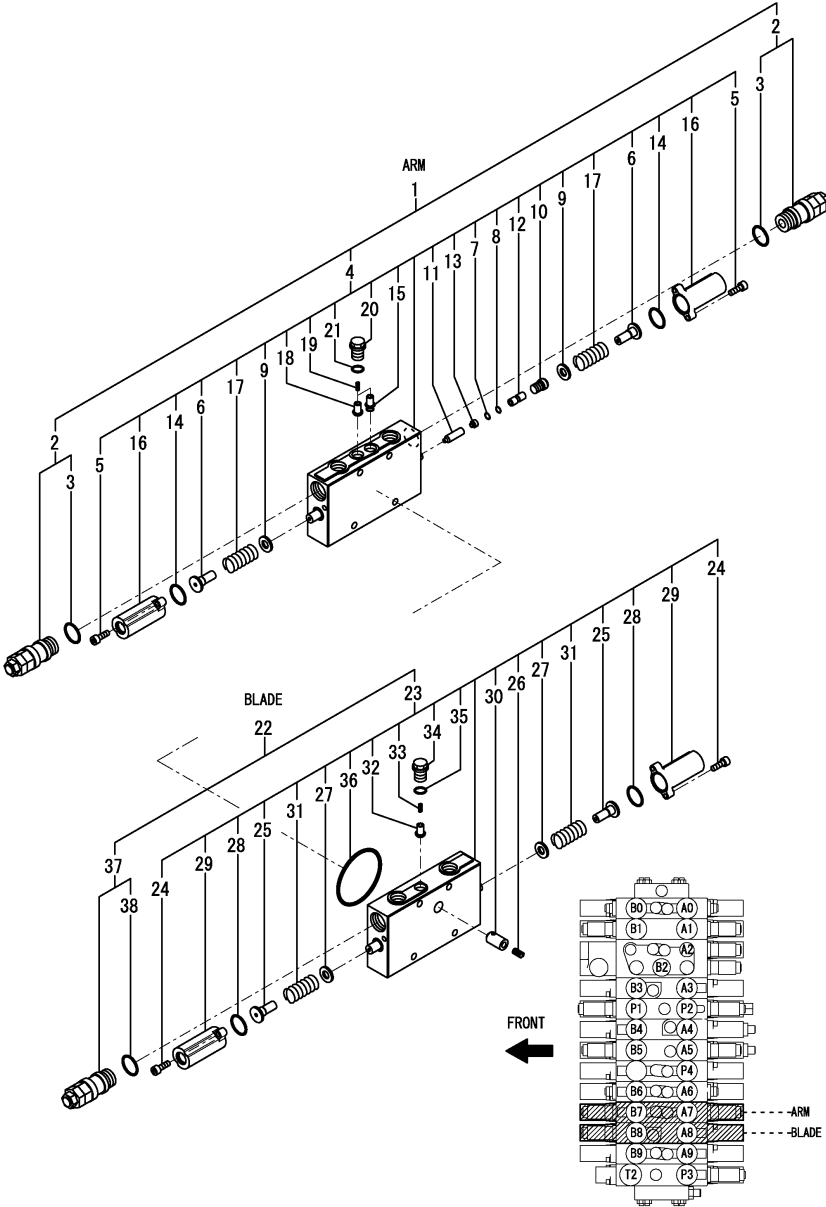
(D)=
(E)=
(F)=



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, STEERING WHEEL	2							
8	4	172455-74410	SPRING	2							
9	4	172455-74420	POPPET, VALVE	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	VALVE ASSY, SHUT-OFF	2							
15	4	172455-74010	NUT, SHOE	2							
16	4	172455-74020	PLUG	2							
17	4	172455-74030	O-RING	2							
18	4	172455-74040	POPPET, VALVE	2							
19	4	172116-74150	O-RING	2							
20	4	172455-74990	SCREW, SETTING	2							
21	2	172A69-74291	SECTION ASSY, BOOM 2	1							
22	3	172A69-74301	SECTION, BOOM 2	1							
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, STEERING WHEEL	1							
30	4	172455-74410	SPRING	1							
31	4	172455-74420	POPPET, VALVE	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 ASSY	1							
37	4	24315-000180	O-RING, 1BP18.0	1							

Remarks
* Control valve assy is shown in Fig.102.

Fig.109. CONTROL VALVE(A-TYPE)(8/9)(TO M1B319)



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74210	SECTION ASSY, ARM	1							
2	3	172A89-74150	VALVE,RELIEF 28.5/50	2							
3	4	172116-74150	O-RING	2							
4	3	172B11-74220	SECTION, ARM	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172478-74180	SEAT, SPRING	2							
7	4	172425-74200	O-RING	1							
8	4	172425-74210	RING, BACKUP	1							
9	4	172175-74220	SEAT, SPRING	2							
10	4	172B11-74230	PLUG	1							
11	4	172B11-74240	SPOOL, POPPET	1							
12	4	172B11-74250	SPACER	1							
13	4	172B11-74260	SPRING	1							
14	4	172151-74320	O-RING	2							
15	4	172A89-74330	VALVE, POPPET	1							
16	4	172455-74390	CAP, STEERING WHEEL	2							
17	4	172455-74410	SPRING	2							
18	4	172455-74420	POPPET, VALVE	1							
19	4	172455-74440	SPRING	2							
20	4	172455-74450	PLUG	2							
21	4	172455-74460	O-RING	2							
22	2	172A89-74280	SECTION ASSY, BLADE	1							
23	3	172A69-71190	SECTION, BLADE	1							
24	4	172151-74060	BOLT, SOCKET HEAD	4							
25	4	172478-74180	SEAT, SPRING	2							
26	4	172113-74190	SPRING	1							
27	4	172175-74220	SEAT, SPRING	2							
28	4	172151-74320	O-RING	2							
29	4	172455-74390	CAP, STEERING WHEEL	2							
30	4	172187-74410	POPPET, VALVE	1							
31	4	172455-74410	SPRING	2							
32	4	172455-74420	POPPET, VALVE	1							
33	4	172455-74440	SPRING	1							
34	4	172455-74450	PLUG	1							
35	4	172455-74460	O-RING	1							
36	4	24321-000700	O-RING, 1AG70.0	1							
37	3	172A89-74290	VALVE, RELIEF 15/50	1							
38	4	172116-74150	O-RING	1							

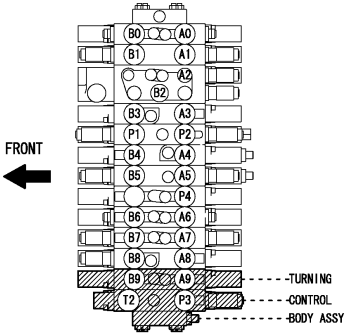
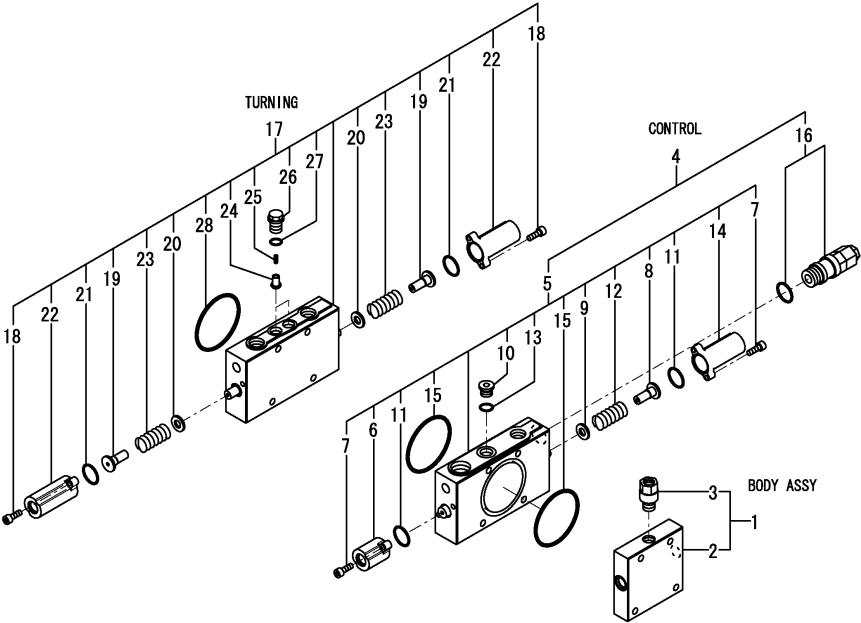
Remarks

* Control valve assy is shown in Fig.102.

Fig.110. CONTROL VALVE(A-TYPE)(9/9)(TO M1B319)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

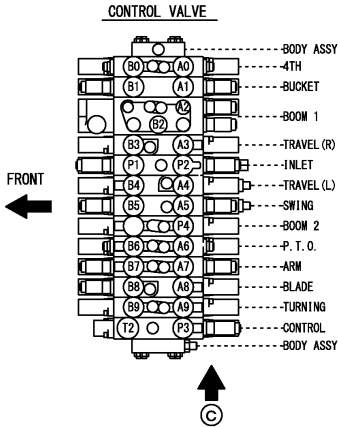
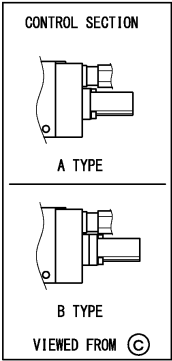
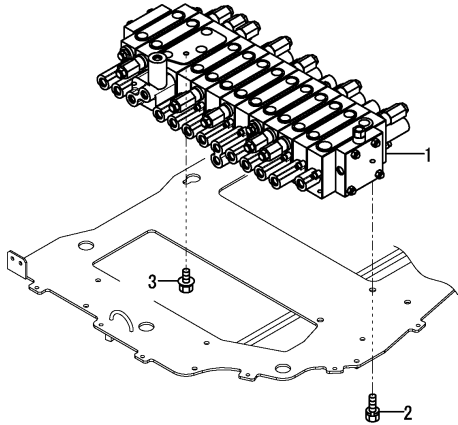


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71250	BODY ASSY	1							
2	3	172478-74360	BODY	1							
3	3	172478-74370	PLUG ASSY	1							
4	2	172B11-74140	SECTION ASSY,CONFLUX	1							
5	3	172A69-71230	SECTION, CONFLUX	1							
6	4	172A69-71240	CAP ASSY	1							
7	4	172151-74060	BOLT, SOCKET HEAD	4							
8	4	172478-74180	SEAT, SPRING	1							
9	4	172175-74220	SEAT, SPRING	1							
10	4	172A69-74250	PLUG	1							
11	4	172151-74320	O-RING	2							
12	4	172455-74410	SPRING	1							
13	4	172455-74460	O-RING	1							
14	4	172455-74480	CAP, STEERING WHEEL	1							
15	4	24321-000700	O-RING, 1AG70.0	2							
16	3	172B11-74150	RELIEF, 24.2/30	1							
17	2	172A89-74270	SECTION, SWING	1							
18	3	172151-74060	BOLT, SOCKET HEAD	4							
19	3	172478-74180	SEAT, SPRING	2							
20	3	172175-74220	SEAT, SPRING	2							
21	3	172151-74320	O-RING	2							
22	3	172455-74390	CAP, STEERING WHEEL	2							
23	3	172455-74410	SPRING	2							
24	3	172455-74420	POPPET, VALVE	2							
25	3	172455-74440	SPRING	2							
26	3	172455-74450	PLUG	2							
27	3	172455-74460	O-RING	2							
28	3	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.102.

Fig.164. (110A)CONTROL VALVE(B-TYPE)(1/9)(FROM M1B320)

CONTROL VALVE ASSY
Fig. 164 Ref. No. 1
INC. Fig. 165~172.



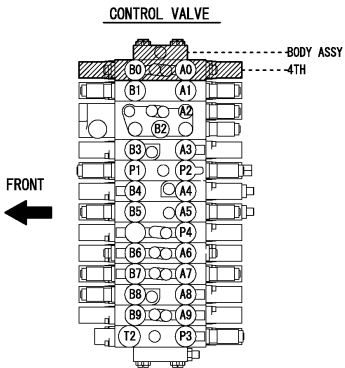
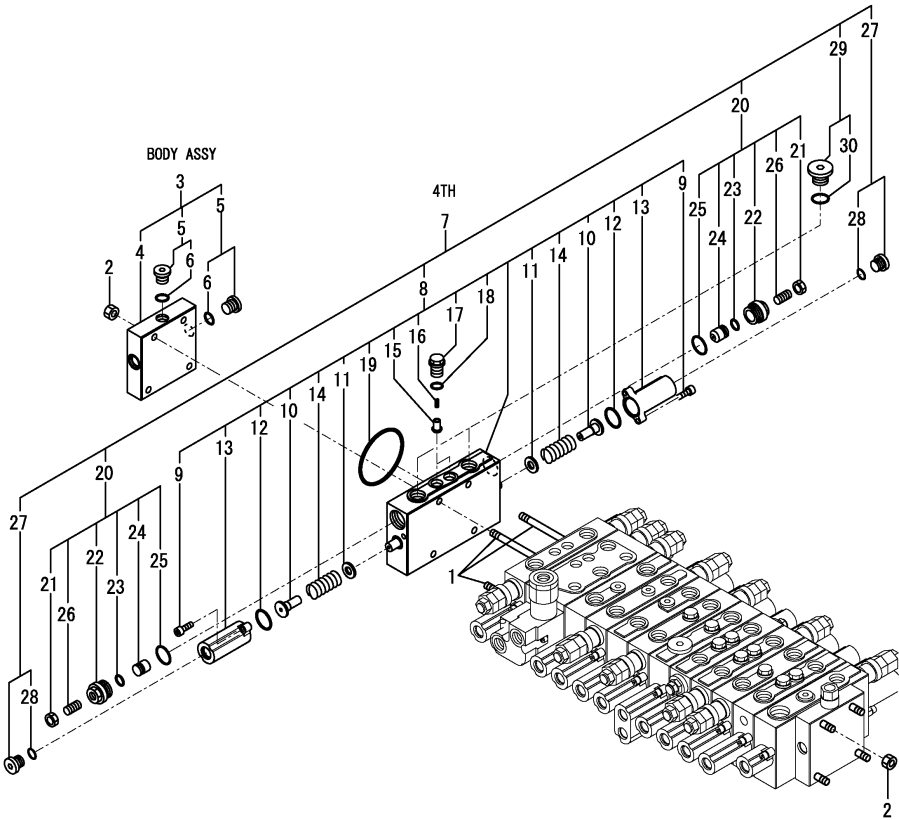
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-74101	VALVE ASSY, CONTROL	1							1
2	1	26013-100162	BOLT, M10X 16	2							
3	1	26106-100122	BOLT, M10X 12 PLATED	1							

Remarks
* A-type is shown in Fig.102.
(1)Inner parts are shown in Fig.172(110I) from Fig.165(110B).

Fig.165. (110B)CONTROL VALVE(B-TYPE)(2/9)(FROM M1B320)



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

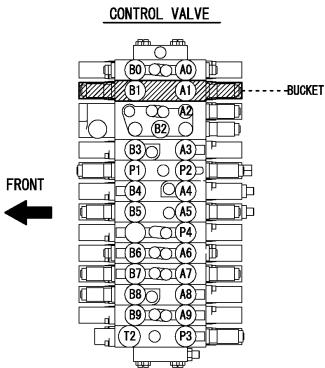
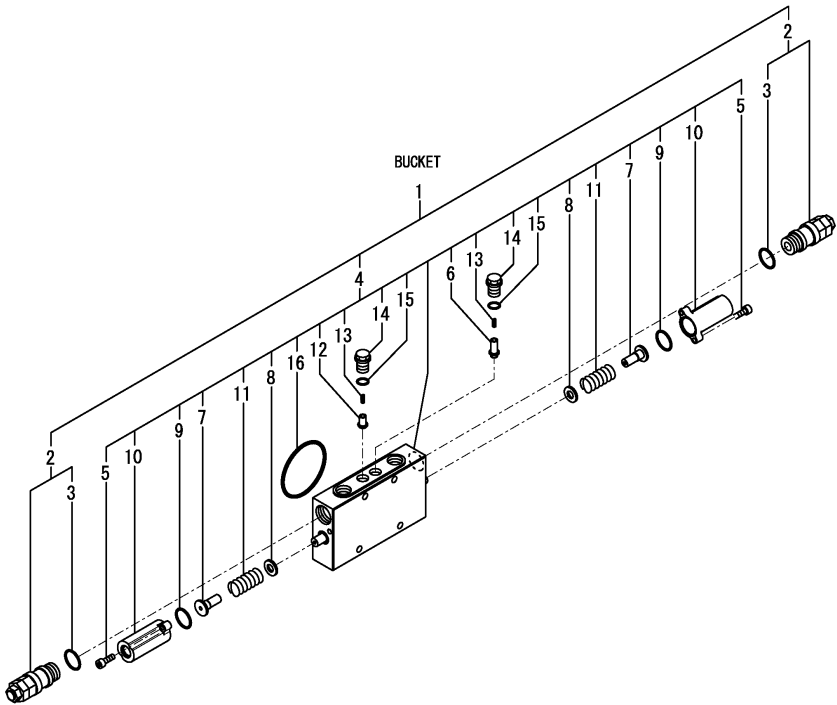
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71260	TIE-ROD	4							
2	2	172422-74110	NUT	8							
3	2	172A69-74110	BODY ASSY	1							
4	3	172478-74360	BODY	1							
5	3	172187-74530	PLUG ASSY	2							
6	4	24315-000110	O-RING, 1BP11.0	2							
7	2	172A69-74170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

Remarks
* Control valve assy is shown in Fig.164(110A).

Fig.166. (110C)CONTROL VALVE(B-TYPE)(3/9)(FROM M1B320)

(A)=VIO80-1A C(KR)
(B)=
(C)=

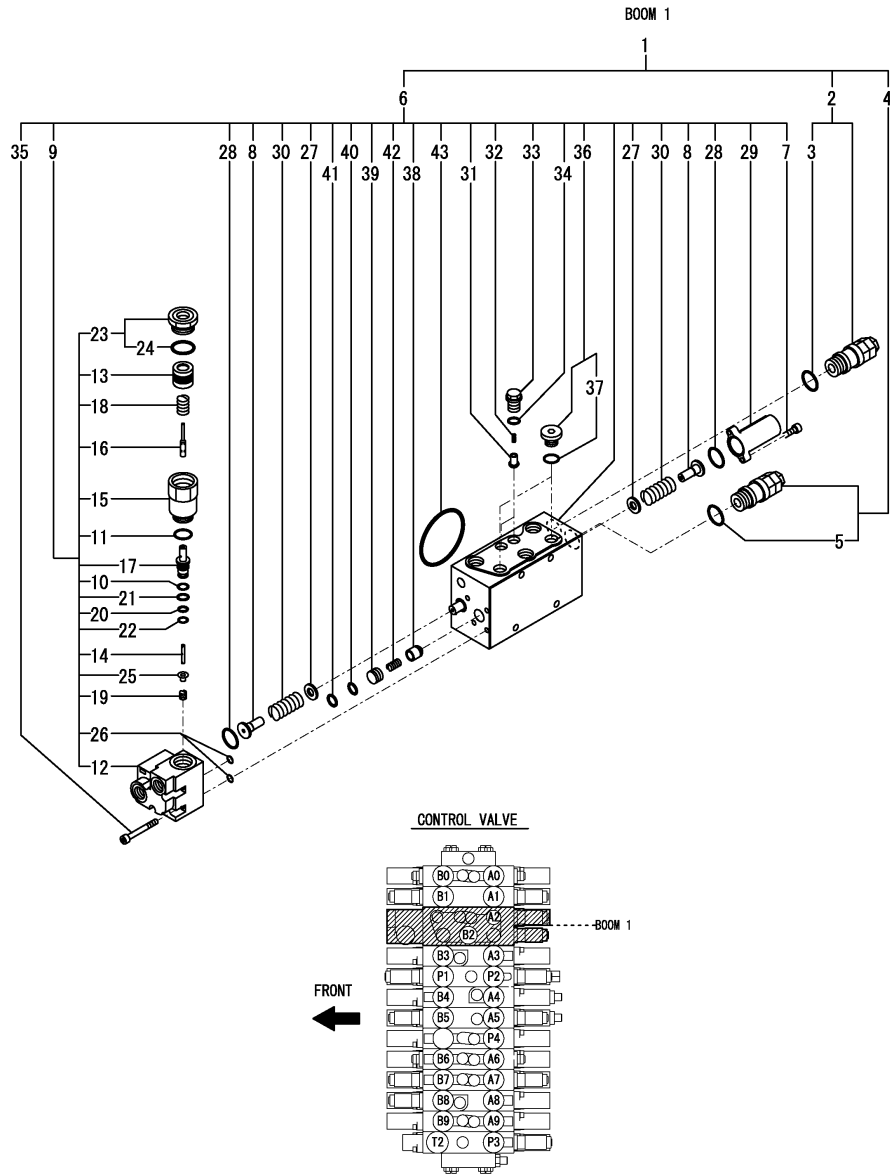
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74270	SECTION ASSY, BUCKET	1							
2	3	172A89-74150	VALVE,RELIEF 28.5/50	2							
3	4	172116-74150	O-RING	2							
4	3	172B11-74280	SECTION, BUCKET	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172B11-74120	VALVE, POPPET 3.0	1							
7	4	172478-74180	SEAT, SPRING	2							
8	4	172175-74220	SEAT, SPRING	2							
9	4	172151-74320	O-RING	2							
10	4	172455-74390	CAP, STEERING WHEEL	2							
11	4	172455-74410	SPRING	2							
12	4	172455-74420	POPPET, VALVE	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							

Remarks
* Control valve assy is shown in Fig.164(110A).

Fig.167. (110D)CONTROL VALVE(B-TYPE)(4/9)(FROM M1B320)



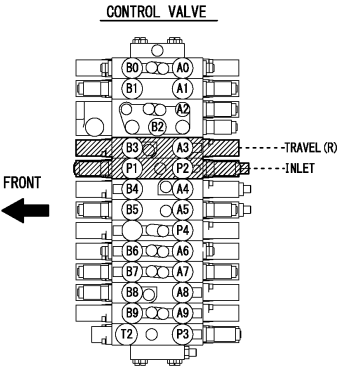
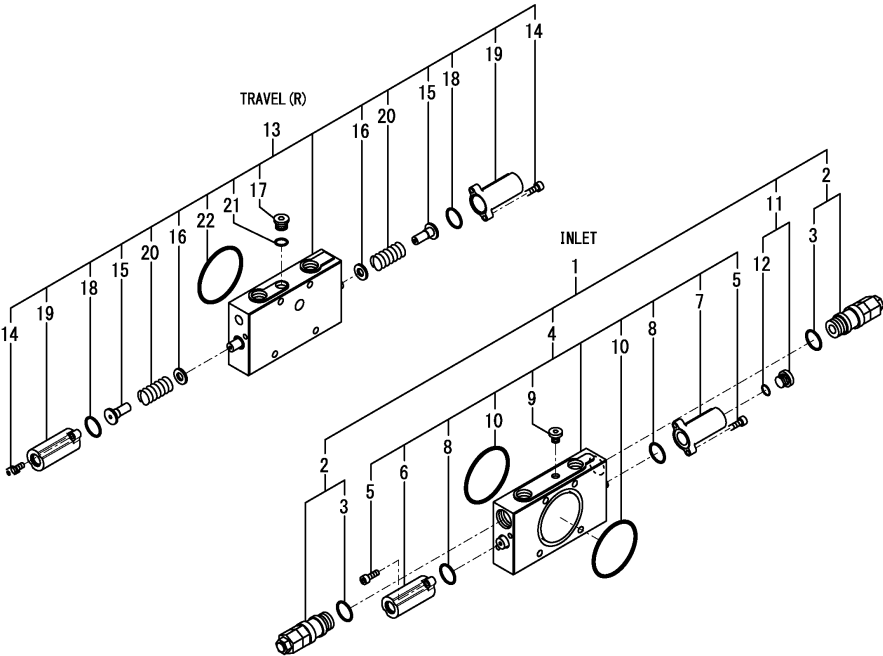
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74180	SECTION ASSY, BOOM 1	1							
2	3	172A89-74150	VALVE,RELIEF 28.5/50	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	172B11-74200	SECTION, BOOM 1	1							
7	4	172151-74060	BOLT, SOCKET HEAD	2							
8	4	172478-74180	SEAT, SPRING	2							
9	4	172488-74200	VALVE ASSY	1							
10	5	172638-73650	RING, BACK UP	1							
11	5	172116-74150	O-RING	1							
12	5	172488-74210	BODY	1							
13	5	172488-74220	PISTON, HYDRAULIC	1							
14	5	172455-74590	POPPET, VALVE	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	RING, BACK UP	1							
23	5	172187-74690	PLUG ASSY	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, STEERING WHEEL	1							
30	4	172455-74410	SPRING	2							
31	4	172455-74420	POPPET, VALVE	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 ASSY	2							
37	5	24315-000140	O-RING, 1BP14.0	2							
38	4	172455-74550	POPPET, VALVE	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							

Remarks
* Control valve assy is shown in Fig.164(110A).

Fig.168. (110E)CONTROL VALVE(B-TYPE)(5/9)(FROM M1B320)



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

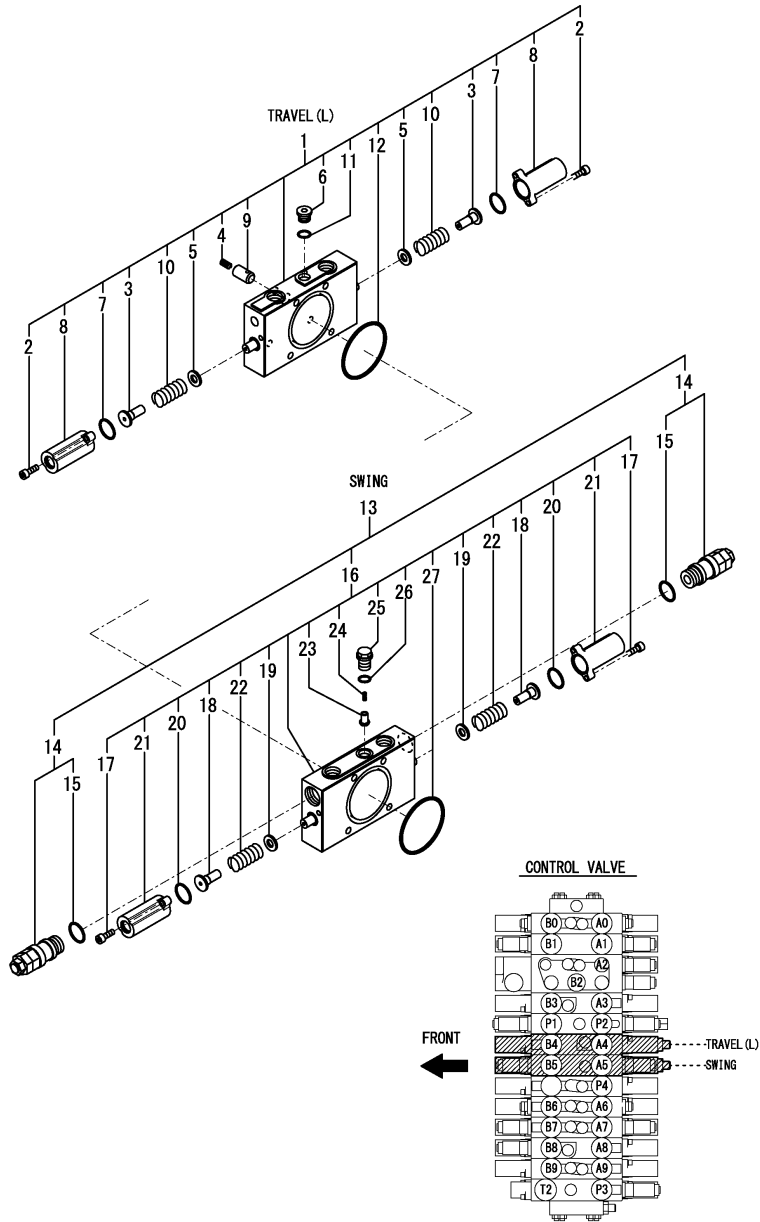
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74120	SECTION ASSY, INLET	1							
2	3	172A89-74130	VALVE,RELIEF 25.7/30	2							
3	4	172116-74150	O-RING	2							
4	3	172A69-74140	SECTION, INLET	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172A69-74150	CAP ASSY	1							
7	4	172A69-74160	CAP	1							
8	4	172151-74320	O-RING	2							
9	4	172422-74330	PLUG ASSY	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 R	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, STEERING WHEEL	2							
20	3	172455-74410	SPRING	2							
21	3	172455-74460	O-RING	1							
22	3	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.164(110A).

Fig.169. (110F)CONTROL VALVE(B-TYPE)(6/9)(FROM M1B320)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74220	SECTION, TRAVEL L	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, STEERING WHEEL	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 28.5/50	2							
15	4	172116-74150	O-RING	2							
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, STEERING WHEEL	2							
22	4	172455-74410	SPRING	2							
23	4	172455-74420	POPPET, VALVE	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							

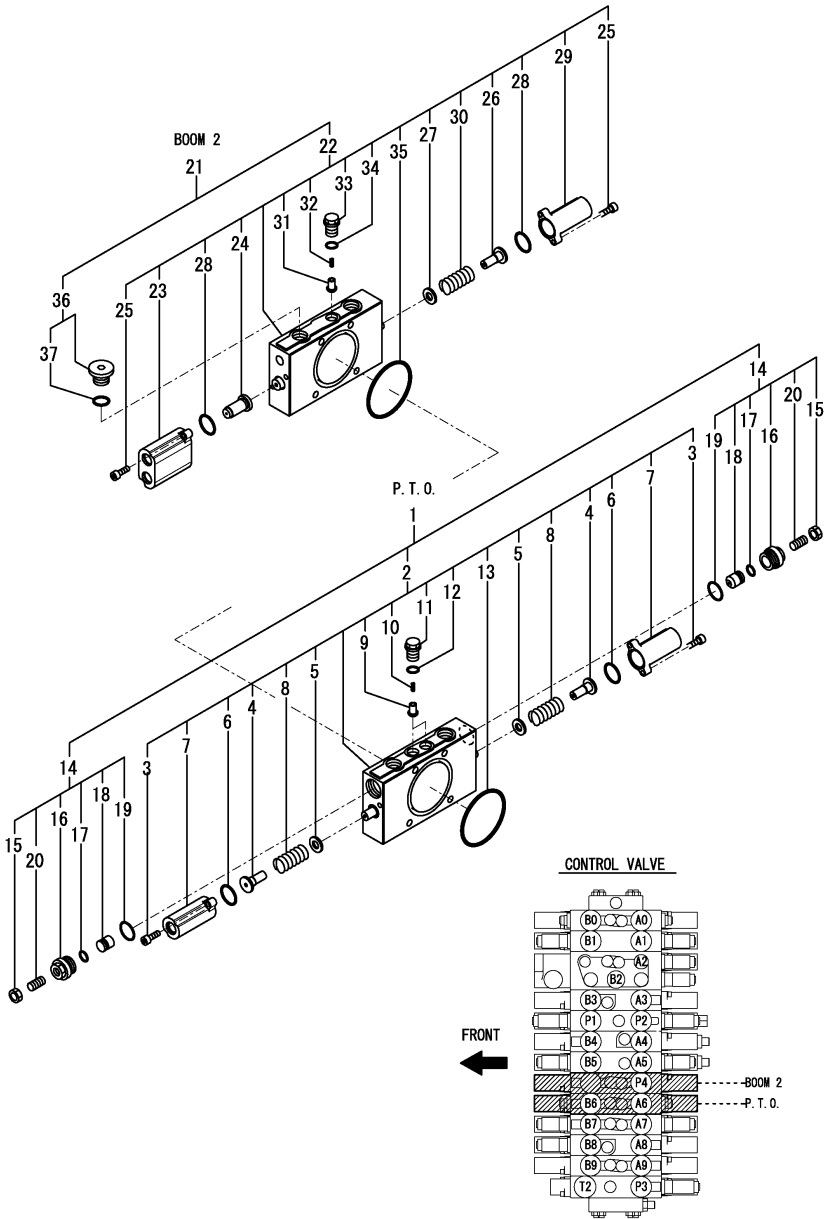
Remarks

* Control valve assy is shown in Fig.164(110A).

Fig.170. (110G)CONTROL VALVE(B-TYPE)(7/9)(FROM M1B320)

(A)=VIO80-1A C(KR)
(B)=
(C)=

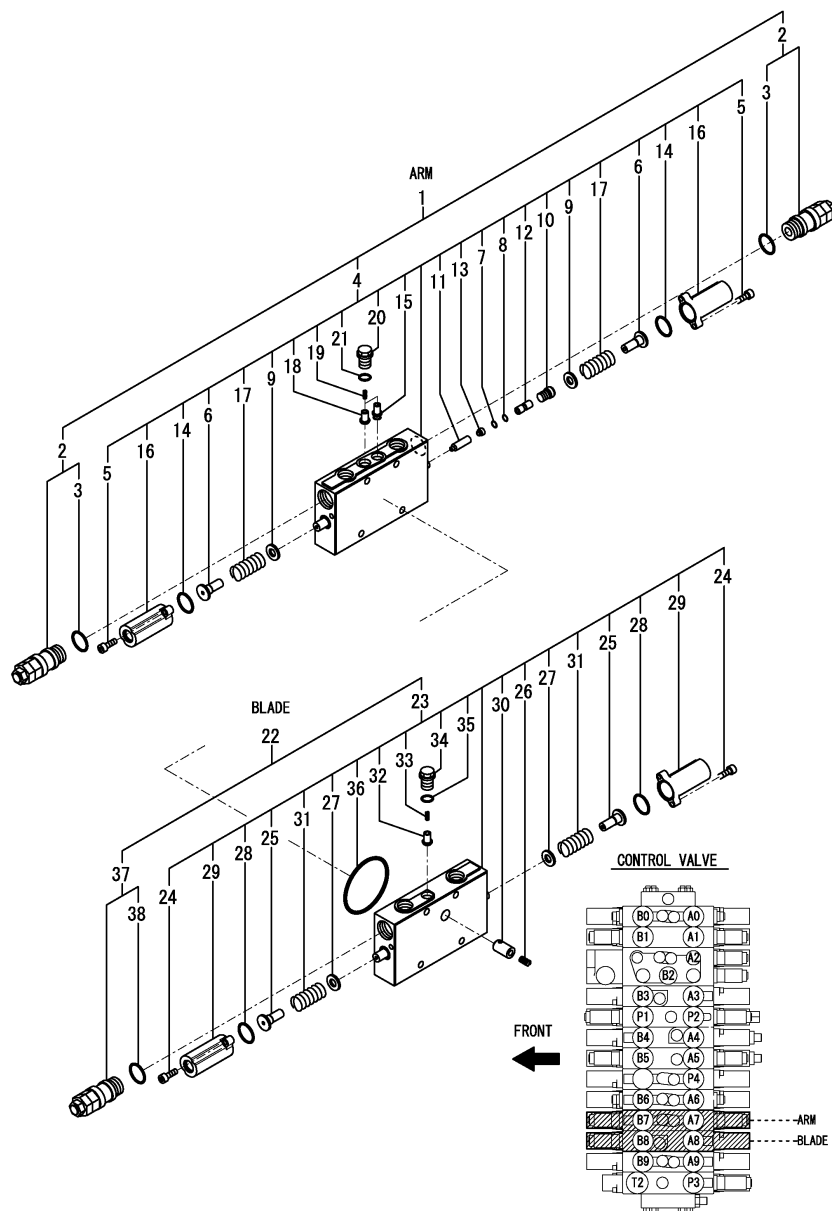
(D)=
(E)=
(F)=



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, STEERING WHEEL	2							
8	4	172455-74410	SPRING	2							
9	4	172455-74420	POPPET, VALVE	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	VALVE ASSY, SHUT-OFF	2							
15	4	172455-74010	NUT, SHOE	2							
16	4	172455-74020	PLUG	2							
17	4	172455-74030	O-RING	2							
18	4	172455-74040	POPPET, VALVE	2							
19	4	172116-74150	O-RING	2							
20	4	172455-74990	SCREW, SETTING	2							
21	2	172B11-74290	SECTION ASSY, BOOM 2	1							
22	3	172B11-74300	SECTION, BOOM 2	1							
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, STEERING WHEEL	1							
30	4	172455-74410	SPRING	1							
31	4	172455-74420	POPPET, VALVE	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 ASSY	1							
37	4	24315-000180	O-RING, 1BP18.0	1							

Remarks
* Control valve assy is shown in Fig.164(110A).

Fig.171. (110H)CONTROL VALVE(B-TYPE)(8/9)(FROM M1B320)



No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	2	172B11-74210	SECTION ASSY, ARM	1						
2	3	172A89-74150	VALVE,RELIEF 28.5/50	2						
3	4	172116-74150	O-RING	2						
4	3	172B11-74220	SECTION, ARM	1						
5	4	172151-74060	BOLT, SOCKET HEAD	4						
6	4	172478-74180	SEAT, SPRING	2						
7	4	172425-74200	O-RING	1						
8	4	172425-74210	RING, BACKUP	1						
9	4	172175-74220	SEAT, SPRING	2						
10	4	172B11-74230	PLUG	1						
11	4	172B11-74240	SPOOL, POPPET	1						
12	4	172B11-74250	SPACER	1						
13	4	172B11-74260	SPRING	1						
14	4	172151-74320	O-RING	2						
15	4	172A89-74330	VALVE, POPPET	1						
16	4	172455-74390	CAP, STEERING WHEEL	2						
17	4	172455-74410	SPRING	2						
18	4	172455-74420	POPPET, VALVE	1						
19	4	172455-74440	SPRING	2						
20	4	172455-74450	PLUG	2						
21	4	172455-74460	O-RING	2						
22	2	172A89-74280	SECTION ASSY, BLADE	1						
23	3	172A69-71190	SECTION, BLADE	1						
24	4	172151-74060	BOLT, SOCKET HEAD	4						
25	4	172478-74180	SEAT, SPRING	2						
26	4	172113-74190	SPRING	1						
27	4	172175-74220	SEAT, SPRING	2						
28	4	172151-74320	O-RING	2						
29	4	172455-74390	CAP, STEERING WHEEL	2						
30	4	172187-74410	POPPET, VALVE	1						
31	4	172455-74410	SPRING	2						
32	4	172455-74420	POPPET, VALVE	1						
33	4	172455-74440	SPRING	1						
34	4	172455-74450	PLUG	1						
35	4	172455-74460	O-RING	1						
36	4	24321-000700	O-RING, 1AG70.0	1						
37	3	172B11-74440	RELIEF, 15.0/50	1						
38	4	172116-74150	O-RING	1						

Remarks

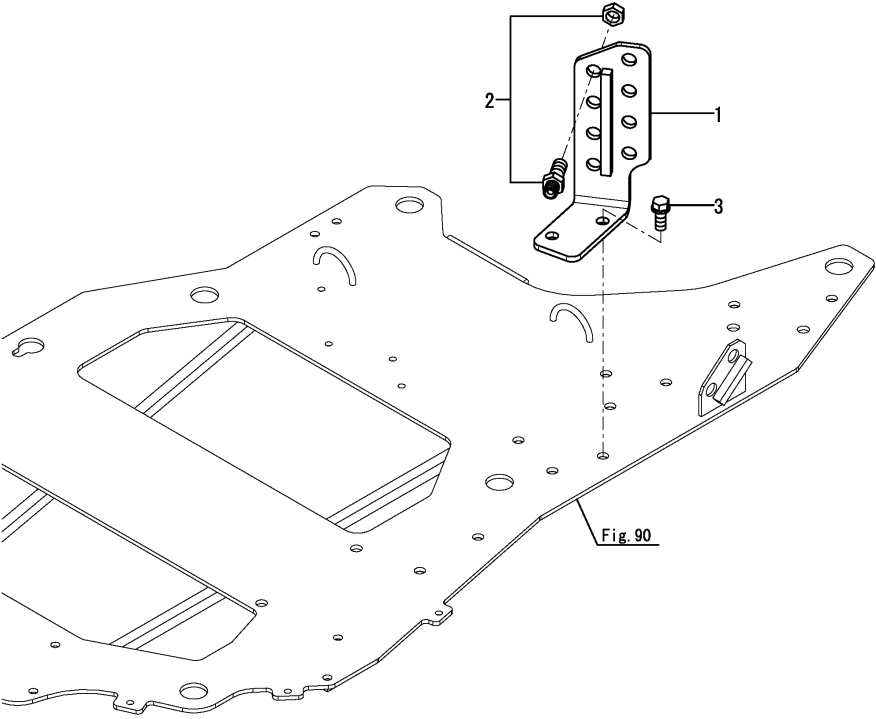
* Control valve assy is shown in Fig.164(110A).

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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(A)=VIO80-1A C(KR)
(B)=
(C)=

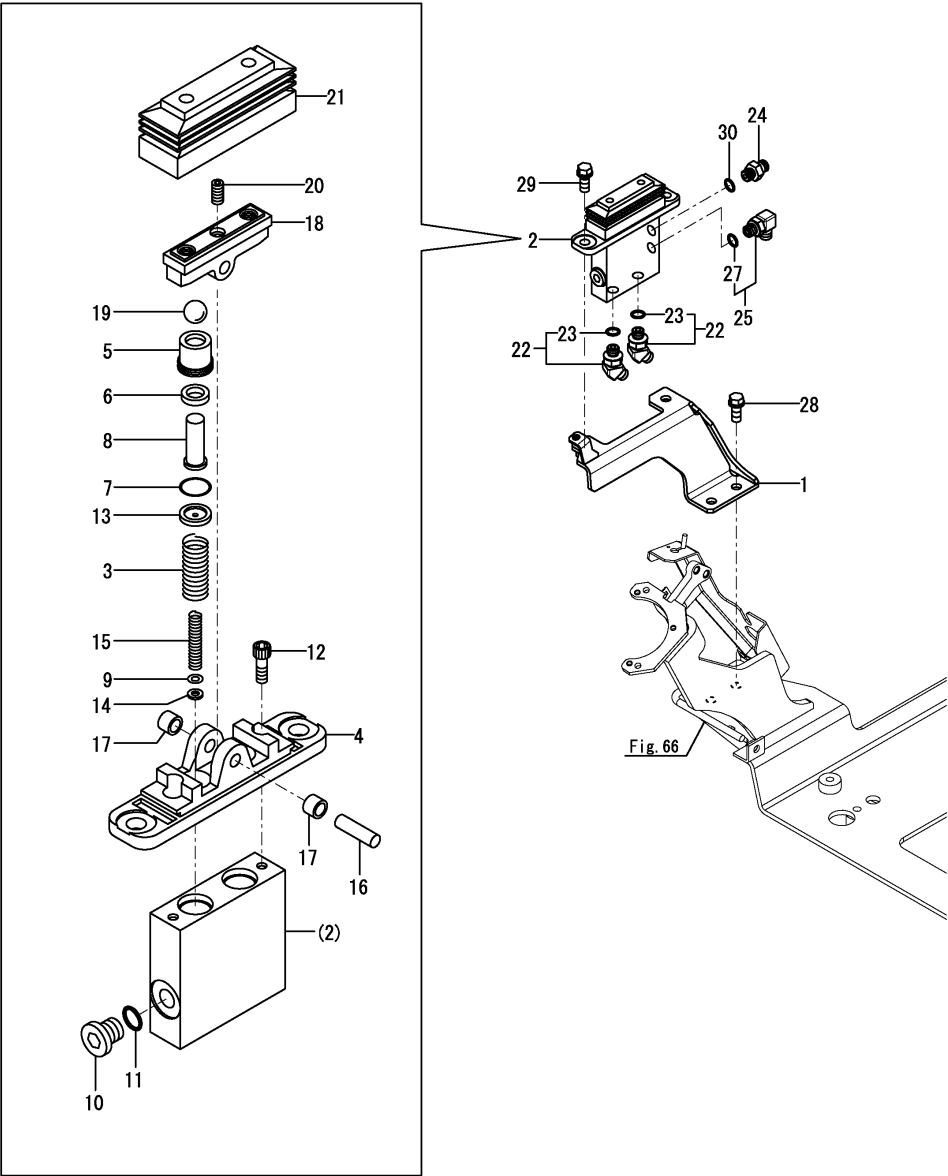
(D)=
(E)=
(F)=

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



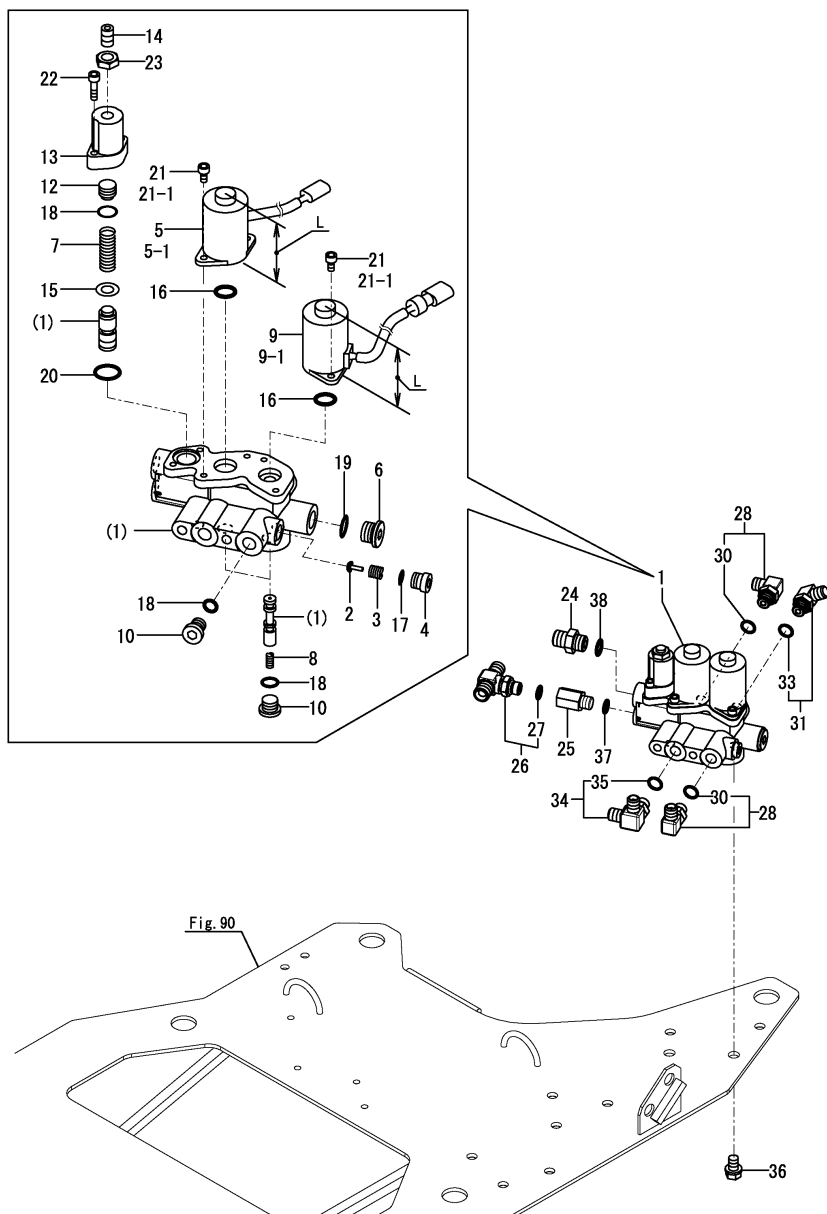
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



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, REMO-CON	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	PLUG, RO	1							
11	2	172A47-74780	O-RING	1							
12	2	172A47-74790	BOLT, HEX SOCKET	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, P11.0 HNBR	2							
24	1	172123-76121	ADAPTER, M/M PF1/4	1							
25	1	172141-76181	CONNECTOR ASSY, 02FF	1							
27	2	41851-000110	O-RING, P11.0 HNBR	1							
28	1	26013-100252	BOLT, M10X 25	2							
29	1	26013-100252	BOLT, M10X 25	2							
30	1	41851-000110	O-RING, P11.0 HNBR	1							

Fig.113. SOLENOID VALVE(PILOT)



(1)L=No.5, 9 : 61mm, No.5-1, 9-1 : 43mm.

Interchangeable by simultaneous replacement with No.21-1.

(A)=VIO80-1A C(KR)

(B)=

(C)=

(D)=

$$(E) =$$

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74411	VALVE ASSY, SOL	1							
2	2	172A69-74440	PLUNGER	1							
3	2	172A69-74450	SPRING	1							
4	2	172A69-74460	PLUG	1							
5	2	172A69-74470	VALVE, SOLENOID	1							
5-1	2	172A69-74471	SOLENOID	1						F	1
		(A=MAH534)									
6	2	172A69-74520	PLUG, PF1/2	1							
7	2	172A69-74540	SPRING	1							
8	2	172A46-74710	SPRING, COMPRESSION	2							
9	2	172A46-74720	VALVE, SOLENOID	1							
9-1	2	172A46-74721	SOLENOID	1						F	1
		(A=MAH534)									
10	2	172A46-74730	PLUG, G1/4	3							
12	2	172A69-74970	PLUG	1							
13	2	172A69-74980	COVER	1							
14	2	172A69-74990	SCREW, ADJUSTING	1							
15	2	22117-080000	WASHER, 8	1							
16	2	24311-000160	O-RING, 1AP16.0	2							
17	2	24315-000100	O-RING, 1BP10.0	1							
18	2	24315-000110	O-RING, 1BP11.0	4							
19	2	24315-000180	O-RING, 1BP18.0	1							
20	2	24315-000200	O-RING, 1BP20.0	1							
21	2	26450-050122	BOLT, M5X 12	4							
21-1	2	26450-050102	BOLT, M5X 10	4						S	
		(A=MAH534)									
22	2	26450-050202	BOLT, M5X 20	2							
23	2	26736-100002	NUT, M10	1							
24	1	172730-75141	ADAPTER, M/M C	1							
25	1	172422-76140	CONNECTOR, PF1/4	1							
26	1	172B11-76150	CONNECTOR, TEE	1							
27	2	41851-000110	O-RING, P11.0 HNBR	1							
28	1	172141-76181	CONNECTOR ASSY, 02FF	2							
30	2	41851-000110	O-RING, P11.0 HNBR	2							
31	1	172141-76181	CONNECTOR ASSY, 02FF	1							
33	2	41851-000110	O-RING, P11.0 HNBR	1							
34	1	172491-76330	ELBOW,ADJUSTABLE 1/4	1							
35	2	24315-000110	O-RING, 1BP11.0	1							
36	1	26013-100162	BOLT, M10X 16	2							
37	1	41851-000110	O-RING, P11.0 HNBR	1							
38	1	41851-000140	O-RING, P 14.0 HNBR	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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(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-74410	VALVE ASSY, PTO	1							
2	1	172123-76121	ADAPTER, M/M PF1/4	1							
3	1	172141-76181	CONNECTOR ASSY, 02FF	2							
5	2	41851-000110	O-RING, P11.0 HNBR	2							
6	1	172186-76430	NIPPLE, ELBOW PF1/4	1							
7	2	24315-000110	O-RING, 1BP11.0	1							
8	1	26013-080162	BOLT, M8X 16	2							
9	1	41851-000110	O-RING, P11.0 HNBR	1							

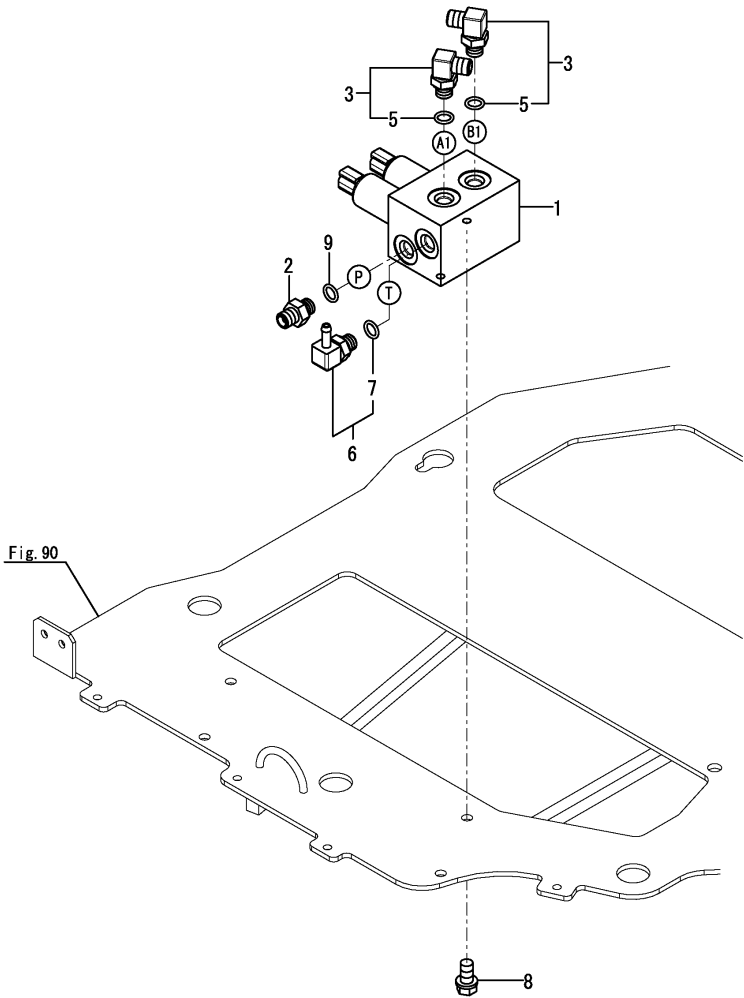
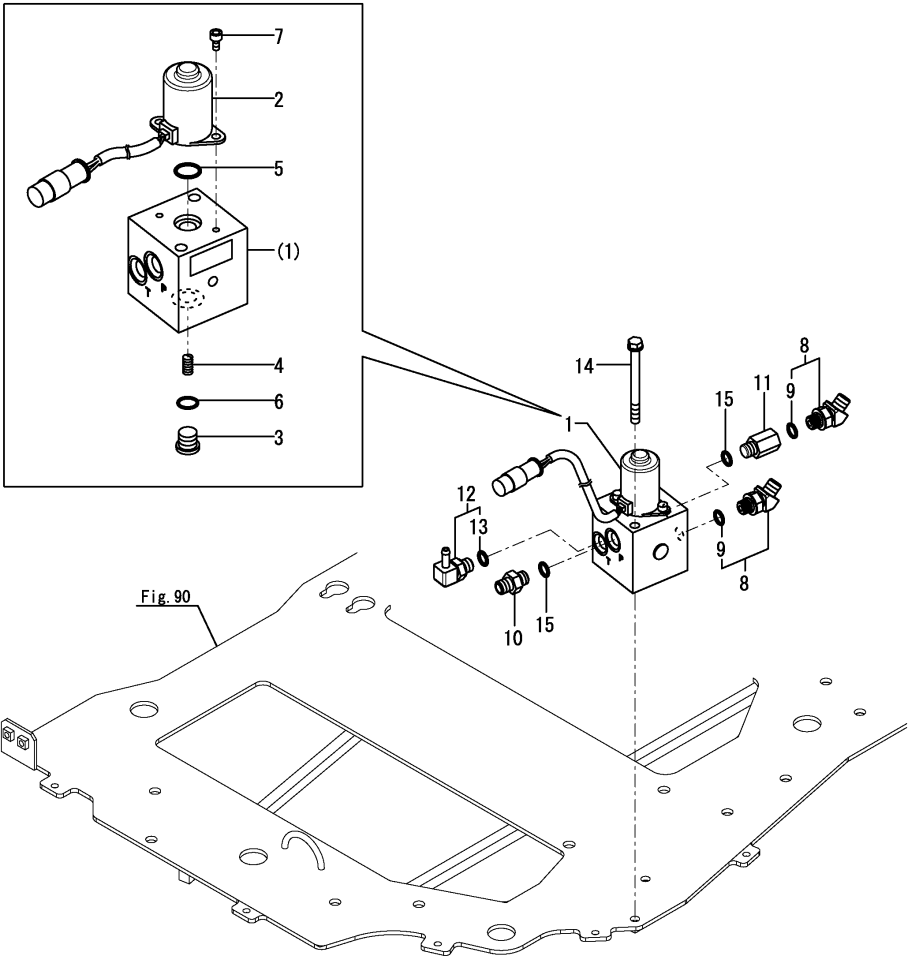


Fig.115. SOLENOID VALVE(QUICK COUPLER)



0CK50-M00640 Fig.115

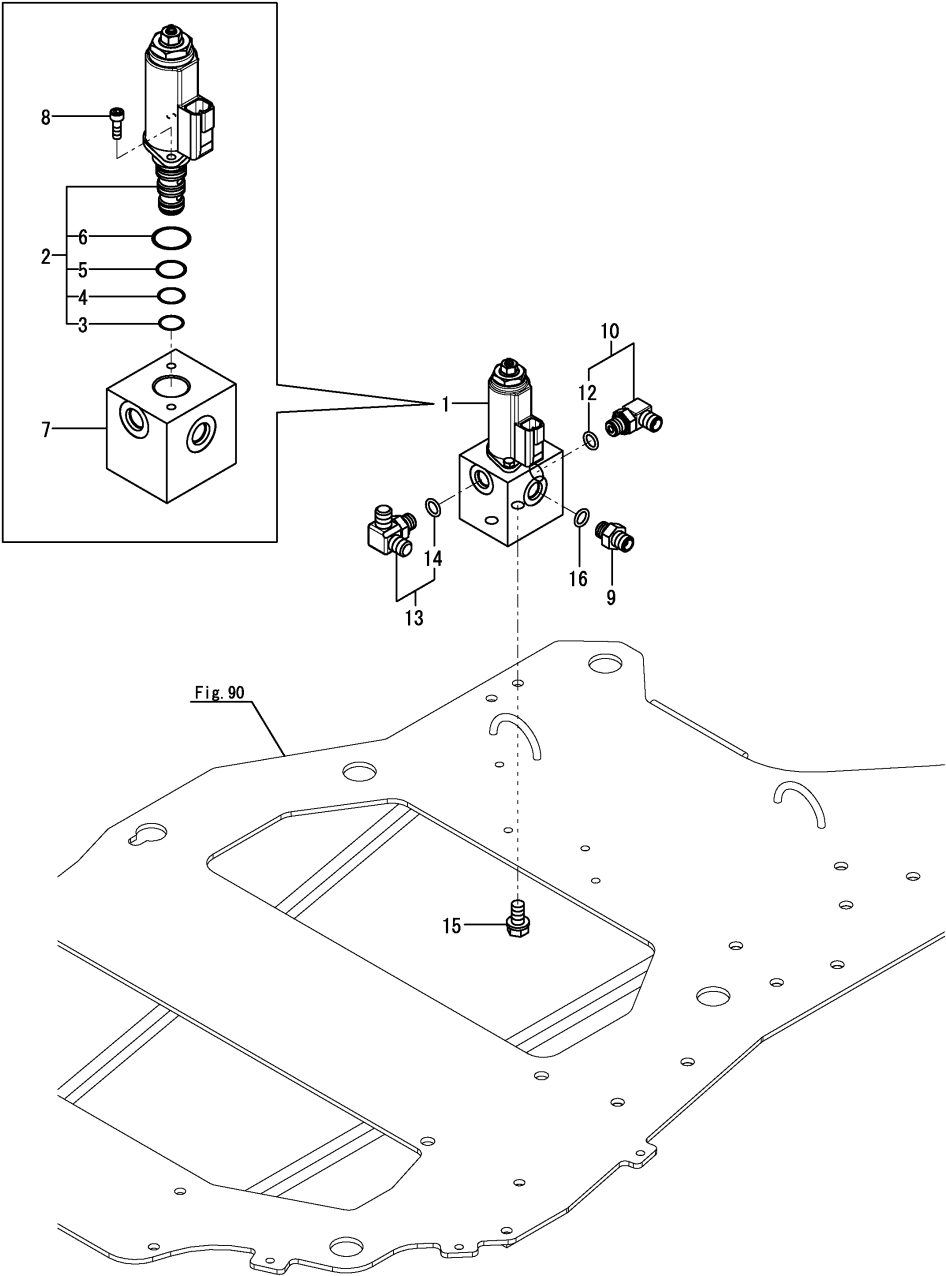
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(B)=
(C)=

(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=MAH535)											
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							

(A)=VIO80-1A C(KR)
(B)=
(C)=

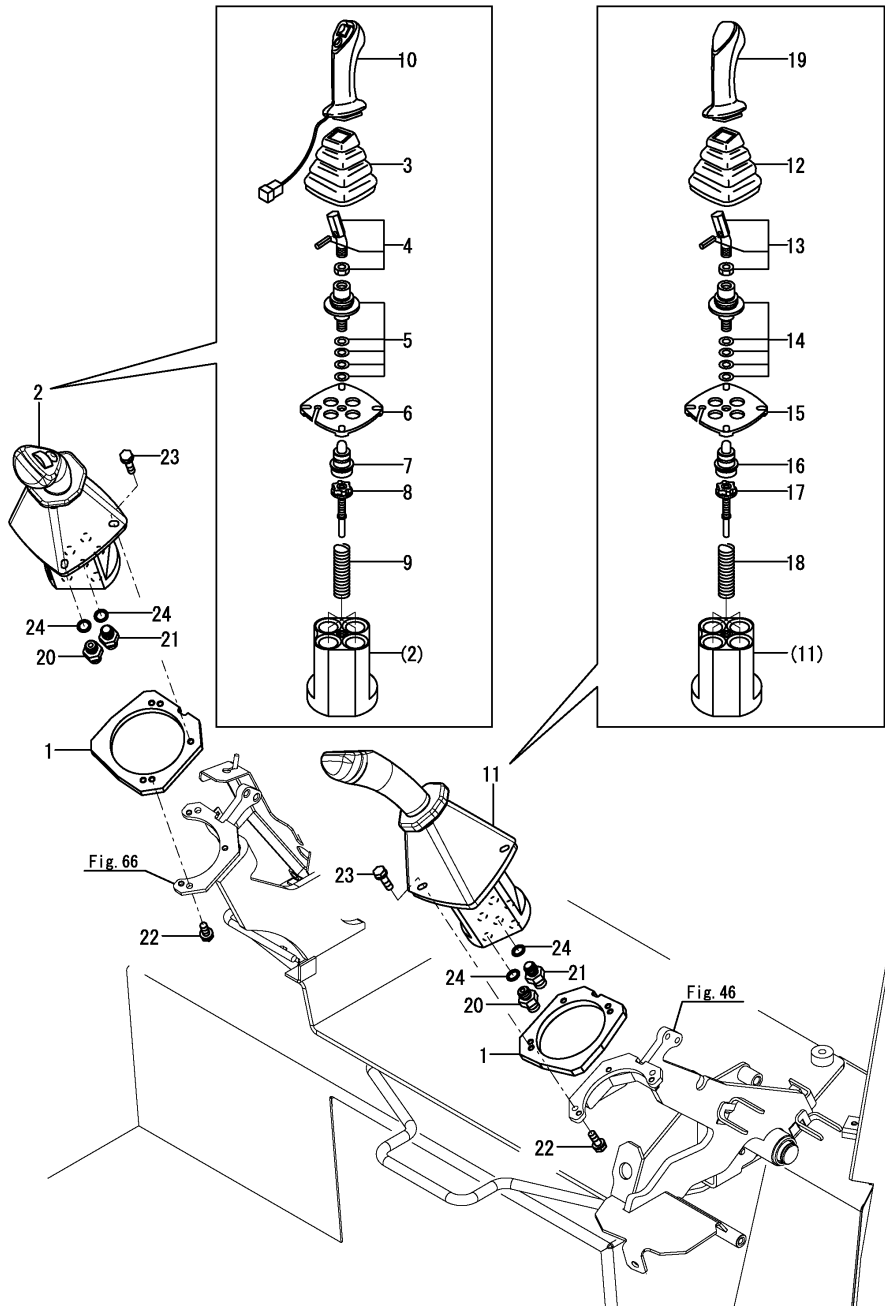
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B03-74710	VALVE ASSY, P	1							
2	2	172B03-74740	CARTRIDGE ASSY,P0.7A	1							
3	3	172B03-74860	O-RING, 1B AS 013	1							
4	3	172B03-74870	O-RING, 1B AS 014	1							
5	3	172B03-74880	O-RING, 1B AS 015	1							
6	3	24315-000200	O-RING, 1BP20.0	1							
7	2	172B03-74760	BLOCK, 1	1							
8	2	26450-050122	BOLT, M5X 12	2							
9	1	172123-76121	ADAPTER, M/M PF1/4	1							
10	1	172141-76181	CONNECTOR ASSY, 02FF	1							
12	2	41851-000110	O-RING, P11.0 HNBR	1							
13	1	172491-76330	ELBOW,ADJUSTABLE 1/4	1							
14	2	24315-000110	O-RING, 1BP11.0	1							
15	1	26013-080162	BOLT, M8X 16	2							
16	1	41851-000110	O-RING, P11.0 HNBR	1							

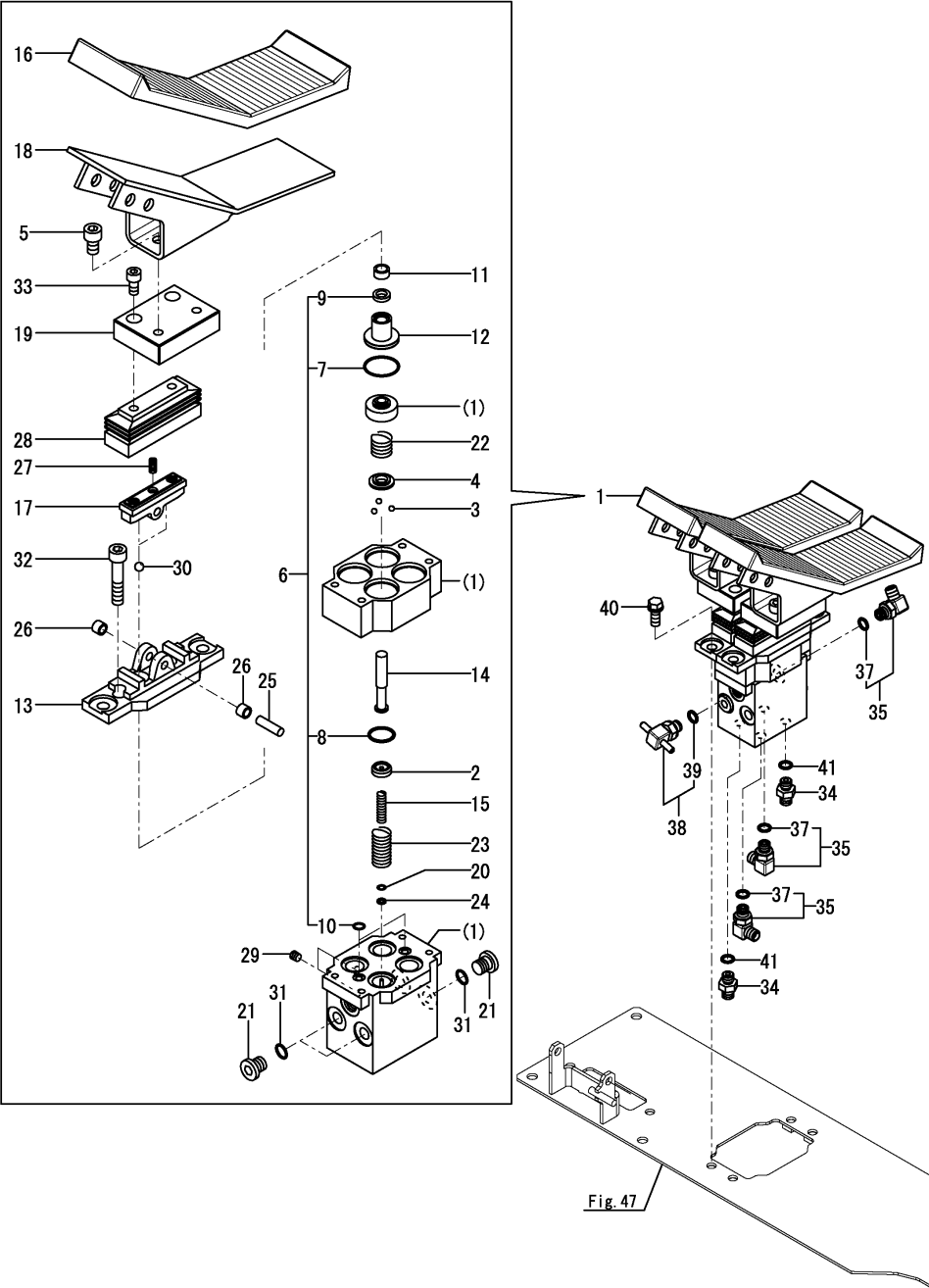
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A78-64510	SPACER, VALVE	2							
2	1	172B11-74850	VALVE ASSY, R	1							
3	2	172441-74030	BOOT, RUBBER	1							
4	2	172441-74040	LEVER KIT	1							
5	2	172463-74530	JOINT KIT	1							
6	2	172463-74540	PLATE, RETAINING	1							
7	2	172463-74551	PLUNGER KIT	1							
8	2	172463-74561	REGULATION KIT	4							
9	2	172463-74570	SPRING KIT	1							
10	2	172B11-74860	HANDLE ASSY	1							
11	1	172A69-74900	VALVE ASSY, L	1							
12	2	172441-74030	BOOT, RUBBER	1							
13	2	172441-74040	LEVER KIT	1							
14	2	172463-74530	JOINT KIT	1							
15	2	172463-74540	PLATE, RETAINING	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, M/M PF1/4	10							
21	1	172455-76220	CONNECTOR, PF1/4	2							
22	1	26014-060162	BOLT, M6X 16	4							
23	1	26014-060162	BOLT, M6X 16	6							
24	1	41851-000110	O-RING, P11.0 HNBR	12							

Fig.118. REMOTE CONTROL VALVE(TRAVEL)



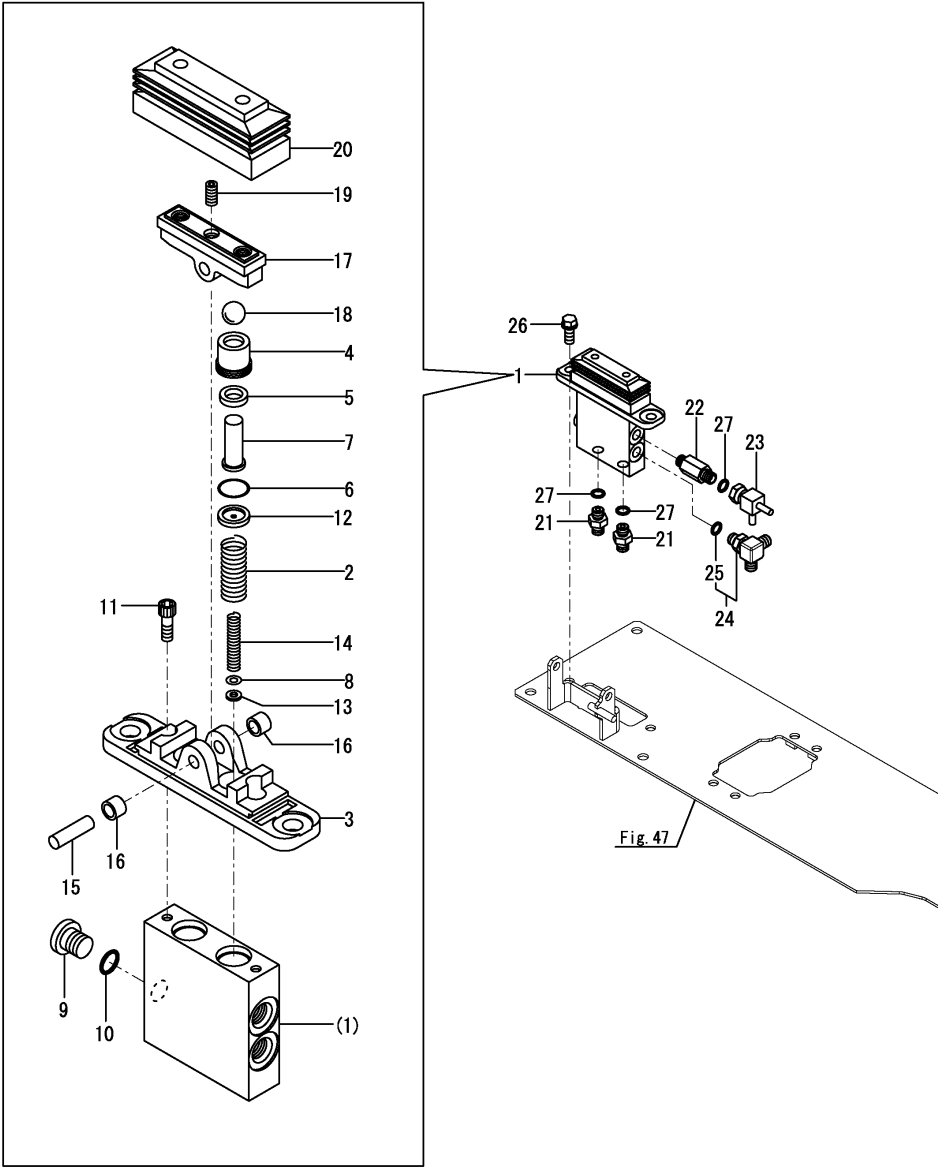
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-74700	VALVE ASSY, TRAVEL	1							
2	2	172A69-71300	SEAT, SPRING	4							
3	2	172A69-71310	BALL, STEEL	12							
4	2	172A69-71320	SEAT, SPRING	4							
5	2	172A69-71340	BOLT, 10X16	4							
6	2	172A69-71350	SEAL SET, SUB	1							
7	3	172A69-71360	O-RING, AS568-025	4							
8	3	172A69-71370	O-RING, AS568-020	4							
9	3	172A47-74730	PACKING	4							
10	3	24315-000080	O-RING, 1BP8.0	2							
11	2	172A69-71380	CUP, GREASE	4							
12	2	172A69-71390	PLUG	4							
13	2	172A69-71400	COVER	2							
14	2	172A89-74710	ROD, PUSH	4							
15	2	172A89-74720	SPRING	4							
16	2	172A69-74730	COVER, PEDAL	2							
17	2	172A89-74730	CAM	2							
18	2	172A69-74740	PEDAL	2							
19	2	172A69-74750	BLOCK	2							
20	2	172A47-74760	SHIM	4							
21	2	172A47-74770	PLUG, RO	3							
22	2	172A69-74770	SPRING	4							
23	2	172A69-74780	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, M/M PF1/4	2							
35	1	172141-76181	CONNECTOR ASSY, 02FF	3							
37	2	41851-000110	O-RING, P11.0 HNBR	3							
38	1	172A47-76230	NIPPLE, TEE G1/4	1							
39	2	41851-000110	O-RING, P11.0 HNBR	1							
40	1	26013-100252	BOLT, M10X 25	4							
41	1	41851-000110	O-RING, P11.0 HNBR	2							

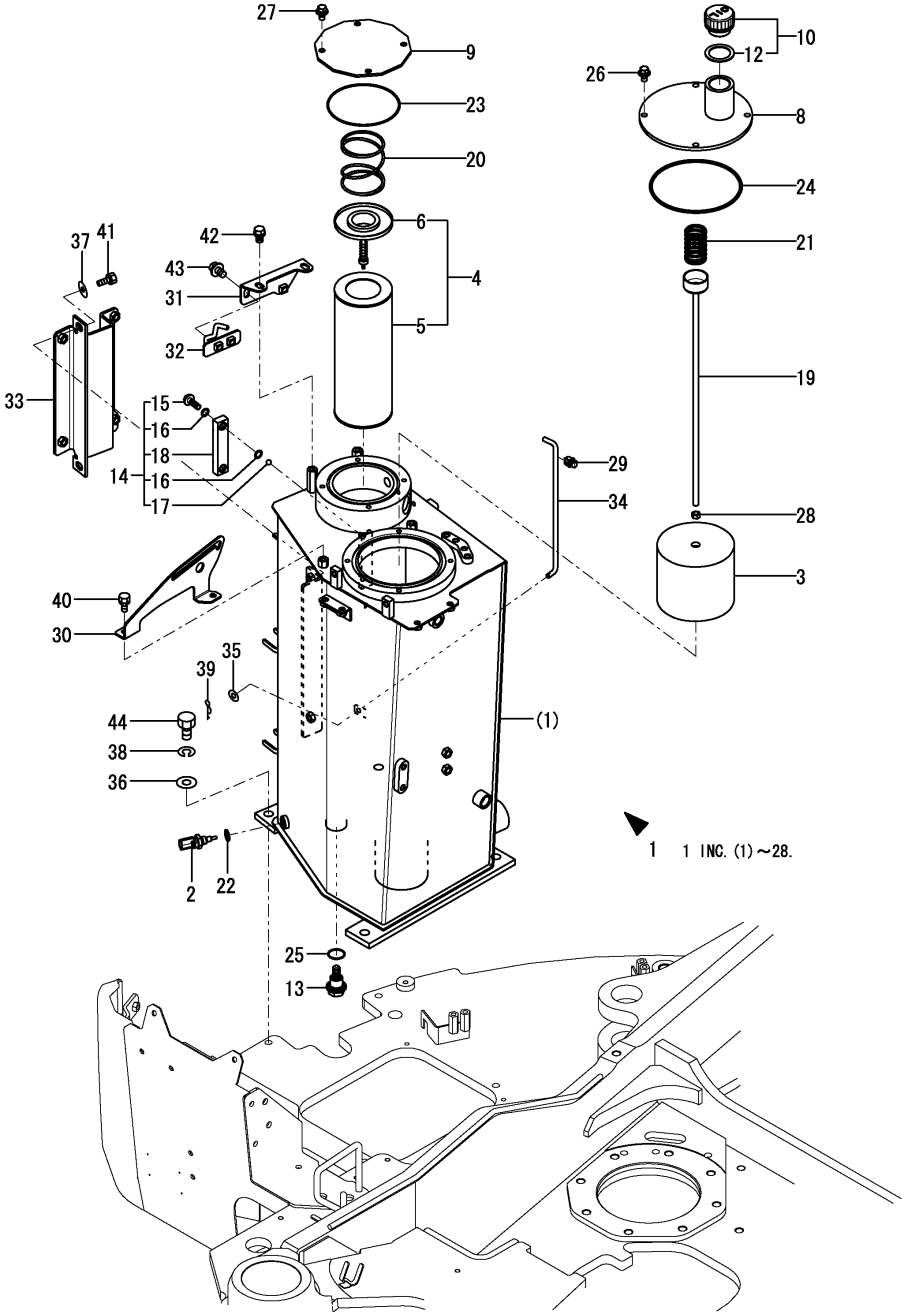
Fig.119. REMOTE CONTROL VALVE(SWING)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

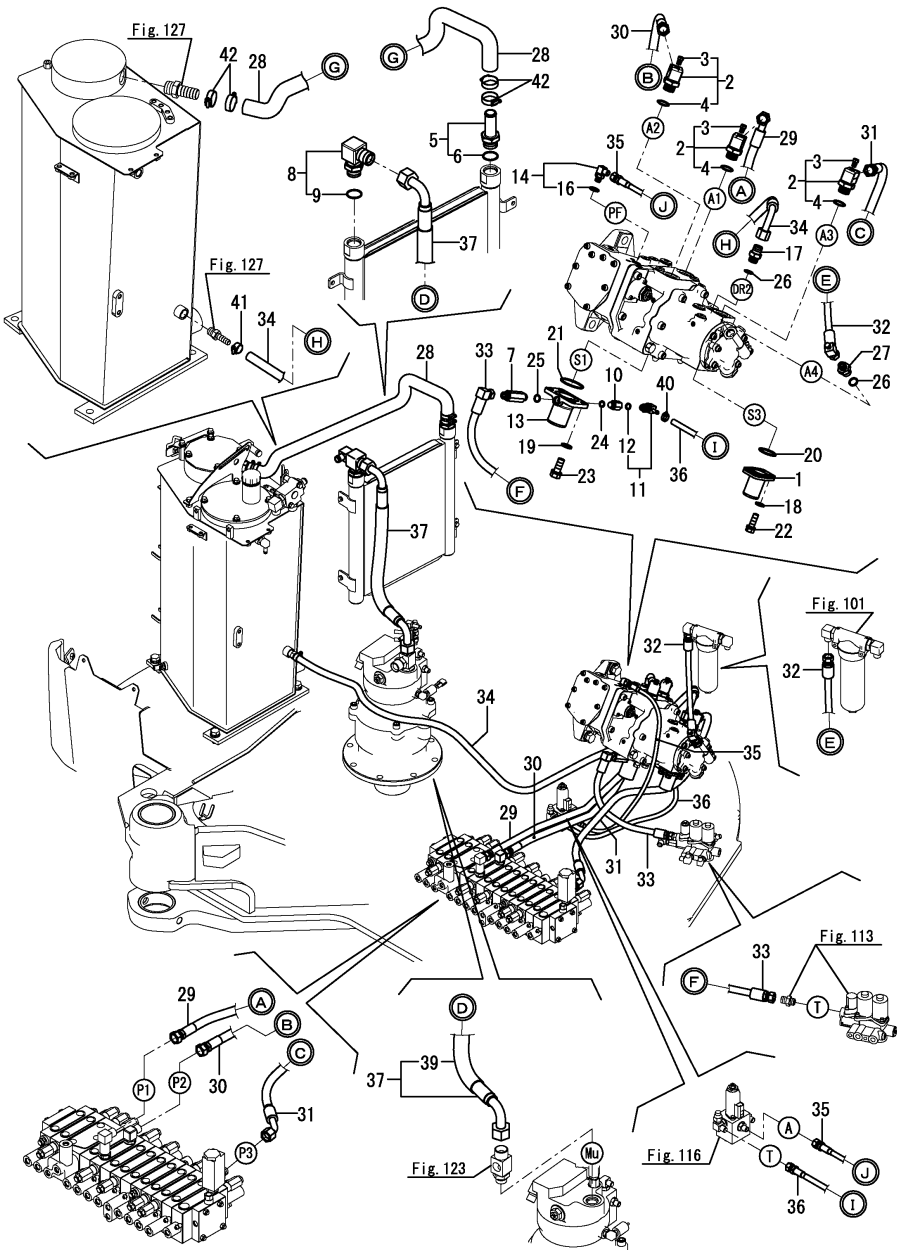
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74670	VALVE ASSY, REMO-CON	1							
2	2	172A69-74680	SPRING	2							
3	2	172A47-74710	COVER	1							
4	2	172A47-74720	PLUG	2							
5	2	172A47-74730	PACKING	2							
6	2	172A47-74740	O-RING	2							
7	2	172A47-74750	ROD, PUSH	2							
8	2	172A47-74760	SHIM	2							
9	2	172A47-74770	PLUG, RO	1							
10	2	172A47-74780	O-RING	1							
11	2	172A47-74790	BOLT, HEX SOCKET	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, M/M PF1/4	2							
22	1	172183-76200	CONNECTOR, 1/4-1/4	1							
23	1	172A47-76320	NIPPLE, G1/4	1							
24	1	172491-76330	ELBOW,ADJUSTABLE 1/4	1							
25	2	24315-000110	O-RING, 1BP11.0	1							
26	1	26013-100252	BOLT, M10X 25	2							
27	1	41851-000110	O-RING, P11.0 HNBR	3							





No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772B11-75100	RESERVOIR SET	1							
2	2	129927-44900	SENSOR, TEMPERATURE	1							
3	2	172162-73700	STRAINER, SUCTION	1							
4	2	172B11-73700	FILTER ASSY, RETURN	1							
5	3	172B11-73710	ELEMENT, RETURN	1							
6	3	172112-74971	VALVE, BYPASS	1							
8	2	172A69-75240	COVER ASSY	1							
9	2	172187-75340-2	COVER, HYD TANK A	1							
10	2	172A69-75450	CAP, RESERVOIR	1							
12	3	172A69-75470	PACKING	1							
13	2	172187-75500	PLUG, MAGNET 24	1							
14	2	172A69-75600	GAUGE, OIL LEVEL	1							
15	3	172455-75290	BOLT, OIL M10	2							
16	3	172455-75300	O-RING	4							
17	3	172455-75310	FLOAT	1							
18	3	172A69-75610	GAUGE, OIL LEVEL	1							
19	2	172A69-75710	ROD ASSY, FILTER	1							
20	2	172112-75770	SPRING, FILTER	1							
21	2	172112-75780	SPRING, FILTER	1							
22	2	22190-120002	WASHER, SEAL 12	1							
23	2	24321-001350	O-RING, 1AG135.0	1							
24	2	24321-001700	O-RING, 1AG170.0	1							
25	2	24341-000300	O-RING, 1AS30.0	1							
26	2	26014-100202	BOLT, M10X 20	4							
27	2	26014-100202	BOLT, M10X 20	4							
28	2	26716-100002	NUT, M10	1							
29	1	1A7400-61250	HOLDER, ROD 8	1							
30	1	172A89-62550	GUIDE, STOPPER	1							
31	1	172B11-62570	STAY ASSY	1							
32	1	172A89-62610	CATCH ASSY, LOCK	1							
33	1	172B11-65720	HINGE ASSY	1							
34	1	172B11-65780	HOOK, BONNET R	1							
35	1	22137-080000	WASHER, 8	1							
36	1	22137-160000	WASHER, 16	4							
37	1	22157-100000	WASHER, 10	2							
38	1	22217-160000	WASHER, SPRING 16	4							
39	1	22372-080000	PIN, SNAP 8	1							
40	1	26013-100162	BOLT, M10X 16	2							
41	1	26013-100252	BOLT, M10X 25	2							
42	1	26014-100162	BOLT, M10X 16	2							
43	1	26014-100202	BOLT, M10X 20	2							
44	1	26116-160352	BOLT, M16X 35 PLATED	4							

Fig.121. PUMP - CONTROL VALVE - OIL COOLER



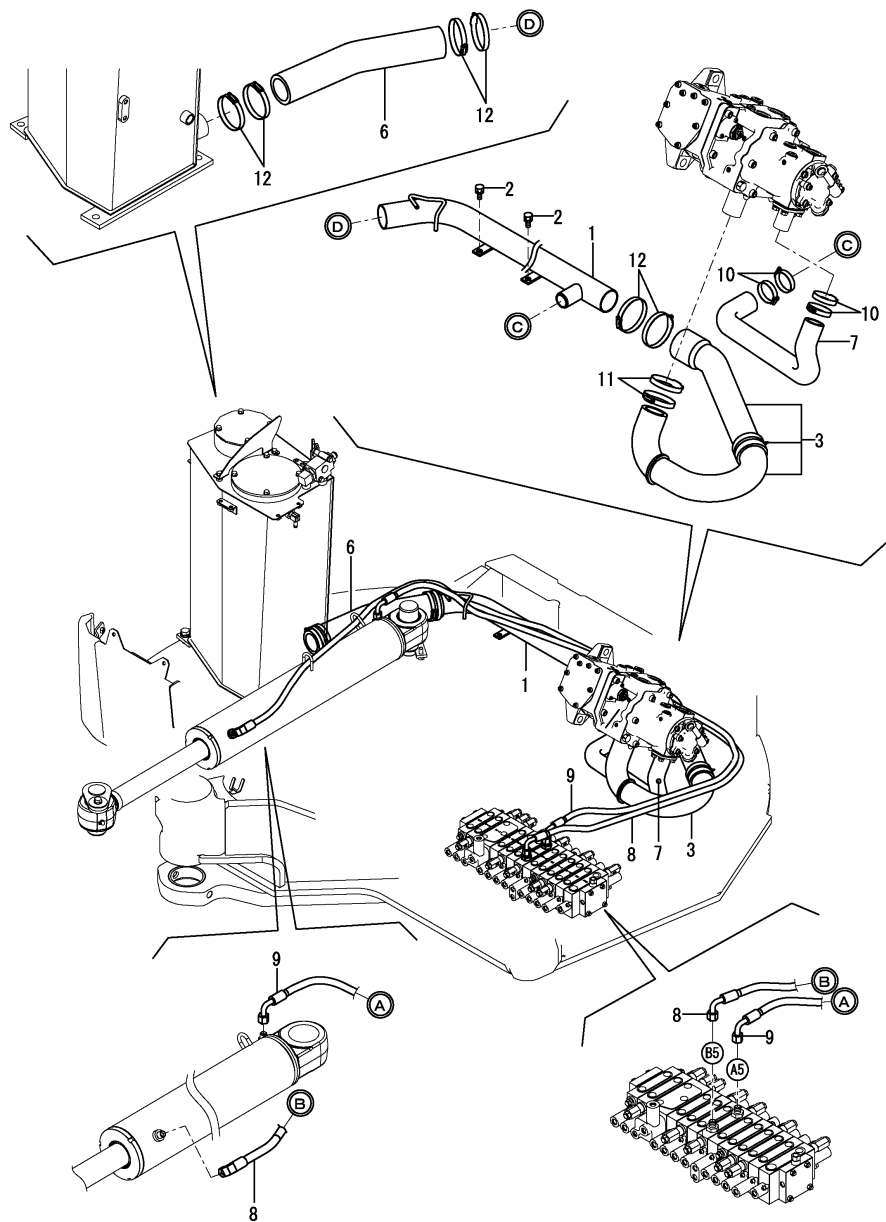
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172422-76100	FLANGE, 40.5	1							
2	1	172A89-76110	ELBOW, G3/4-G1/2	3							
3	2	172A89-76120	PLUG, SCREW PT1/8	3							
4	2	41851-000240	O-RING, P 24.0 HNBR	3							
5	1	172A69-76120	NIPPLE, G1	1							
6	2	172A65-76790	O-RING, P29.0 HNBR	1							
7	1	172162-76131	ADAPTER, M/M	1							
8	1	172A89-76130	ELBOW, 90 G1	1							
9	2	24315-000290	O-RING, 1BP29.0	1							
10	1	172422-76140	CONNECTOR, PF1/4	1							
11	1	172458-76150	NIPPLE, ELBOW PF1/4	1							
12	2	24315-000110	O-RING, 1BP11.0	1							
13	1	172A69-76160	FLANGE ASSY	1							
14	1	172141-76181	CONNECTOR ASSY, 02FF	1							
16	2	41851-000110	O-RING, P11.0 HNBR	1							
17	1	172112-77361	CONNECTOR, PF1/2-1/2	1							
18	1	22117-100000	WASHER, 10	4							
19	1	22117-120000	WASHER, 12	4							
20	1	24325-000400	O-RING, 1BG40.0	1							
21	1	24325-000550	O-RING, 1BG55.0	1							
22	1	26013-100302	BOLT, M10X 30	4							
23	1	26013-120302	BOLT, M12X 30	4							
24	1	41851-000110	O-RING, P11.0 HNBR	1							
25	1	41851-000140	O-RING, P 14.0 HNBR	1							
26	1	41851-000180	O-RING, P 18.0 HNBR	2							
27	1	933160-01370	CONNECTOR, PF1/2X3/8	1							
28	1	172B11-78130	HOSE, 25.4	1							
29	1	172B11-78150	HOSE, H108BC106S	1							
30	1	172B11-78160	HOSE, H108BB110S	1							
31	1	172B11-78170	HOSE, H108BE112S	1							
32	1	172B11-78180	HOSE, H606BZ040S	1							
33	1	172B11-78200	HOSE, G806BV043S	1							
34	1	172A69-78210	HOSE, G608CY180S	1							
35	1	172B11-78220	HOSE, H604BB072S	1							
36	1	172B11-78230	HOSE, G804BY062	1							
37	1	172A89-78240	HOSE, G616CC060	1							
39	2	172499-78591	HEAT INSULATOR, HOSE	1							
40	1	23001-016000	CLAMP, HOSE 16	1							
41	1	23001-022000	CLAMP, HOSE 22	1							
42	1	23001-041000	CLAMP, HOSE 41	4							

Remarks
* Fitting(control valve) is shown in Fig.124 & 125.

Fig.122. TANK - PUMP & SWING CYLINDER



(A)=VIO80-1A C(KR)
(B)=
(C)=

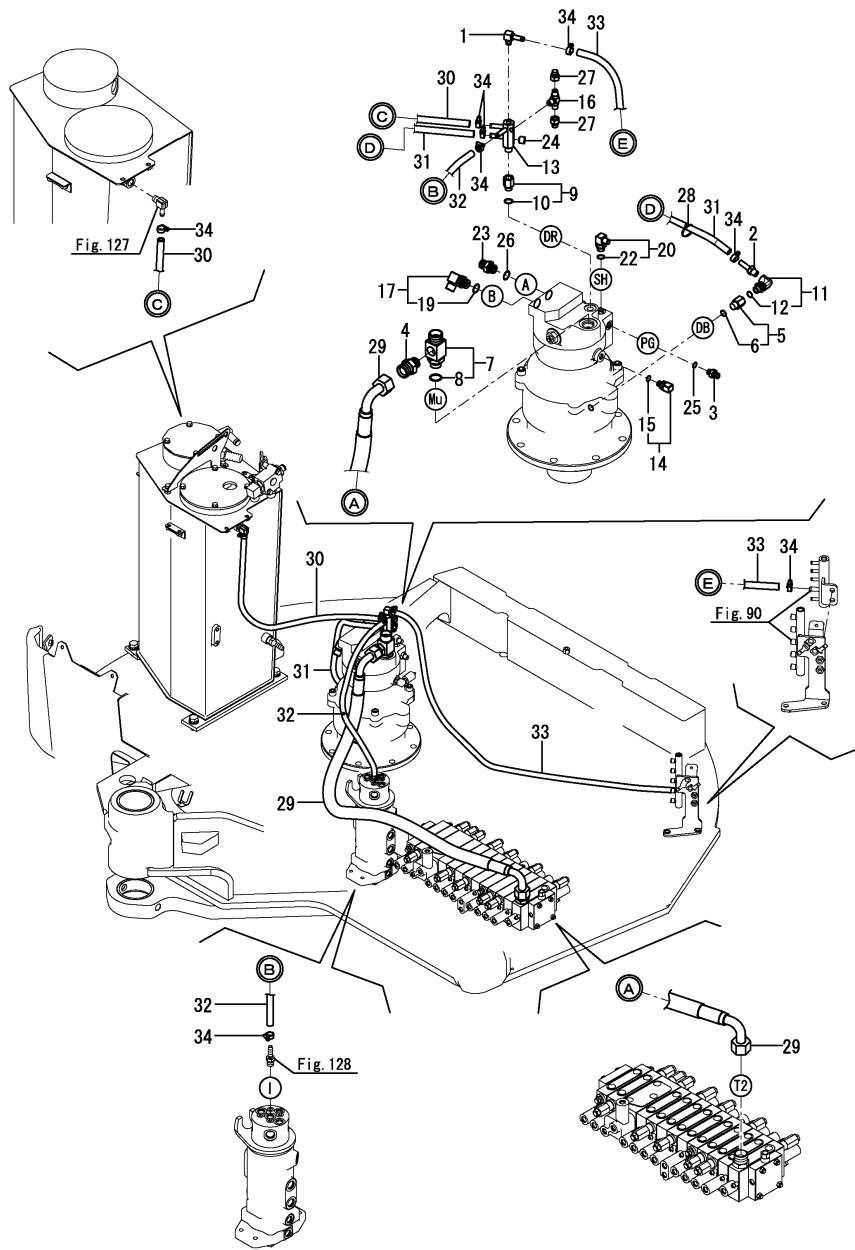
(D)=
(E)=
(F)=

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	26014-100252	BOLT, M10X 25	2							
3	1	172B11-78080	HOSE ASSY, 59 A	1							
6	1	172A69-78110	HOSE, 59 B	1							
7	1	172B11-78120	HOSE, 39.5	1							
8	1	172B11-78380	HOSE, H106BV327S	1							
9	1	172B11-78390	HOSE, H106CC226S	1							
10	1	23001-054000	CLAMP, HOSE 54	4							
11	1	23001-070000	CLAMP, HOSE 70	2							
12	1	23001-090000	CLAMP, HOSE 90	6							

* Fitting(control valve) is shown in Fig.124 & 125.

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.123. CONTROL VALVE - TURNING MOTOR



(A)=VIO80-1A C(KR)
(B)=
(C)=

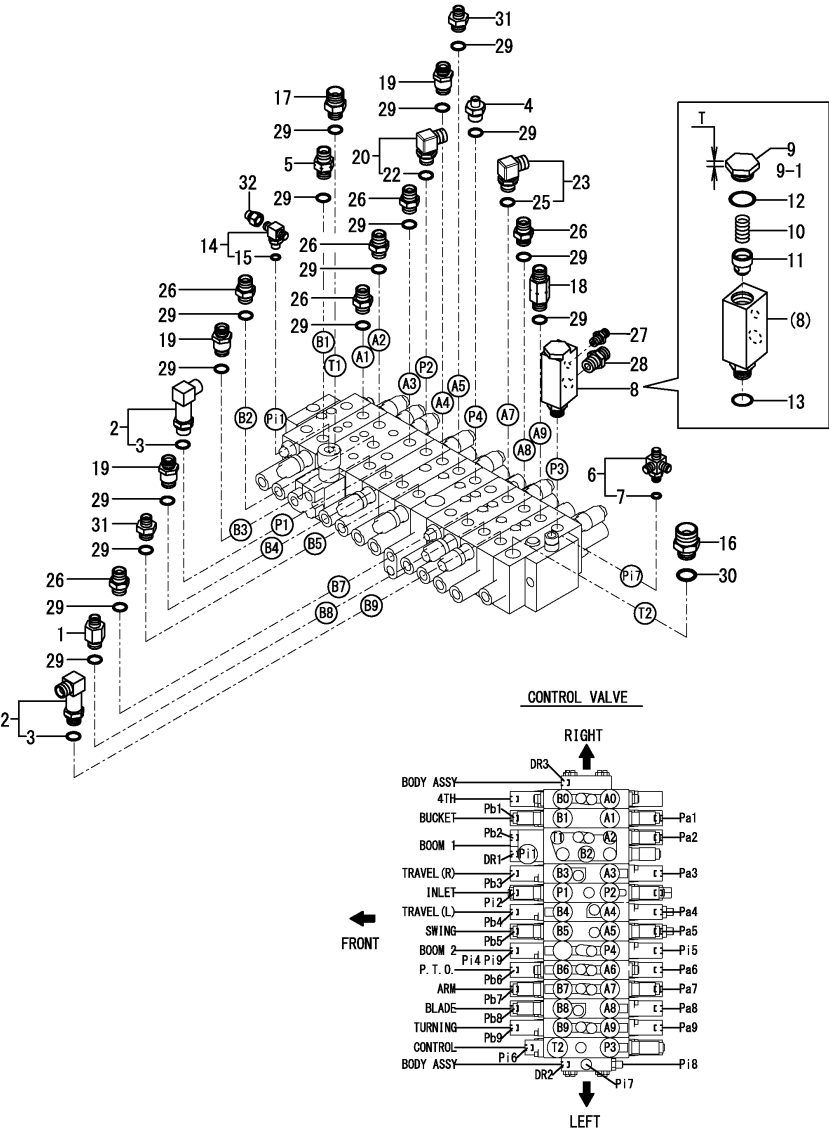
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-11120	ELBOW, 1/4X3/8	1							
2	1	172137-76110	NIPPLE, 3/8	1							
3	1	172123-76121	ADAPTER, M/M PF1/4	1							
4	1	172187-76131	CONNECTOR, PF1/PT3/4	1							
5	1	172A52-76130	ADAPTER, G3/8	1							
6	2	24315-000140	O-RING, 1BP14.0	1							
7	1	172187-76141	CONNECTOR, PF1XPF3/4	1							
8	2	24315-000240	O-RING, 1BP24.0	1							
9	1	172A69-76140	ADAPTER, M/F 3/8	1							
10	2	41851-000140	O-RING, P 14.0 HNBR	1							
11	1	172499-76300	ELBOW, 3/8 W/FILTER	1							
12	2	24315-000140	O-RING, 1BP14.0	1							
13	1	172499-76311	JOINT, 3/8	1							
14	1	172A89-76310	JOINT, G1/4-RC1/8	1							
15	2	41851-000110	O-RING, P11.0 HNBR	1							
16	1	172162-76320	CONNECTOR, 3X1/4	1							
17	1	172141-76900	CONNECTOR ASSY, 1/2L	1							
19	2	24315-000180	O-RING, 1BP18.0	1							
20	1	172141-76920	CONNECTOR ASSY	1							
22	2	24315-000140	O-RING, 1BP14.0	1							
23	1	172112-77361	CONNECTOR, PF1/2-1/2	1							
24	1	23871-020000	PLUG, R02	1							
25	1	41851-000110	O-RING, P11.0 HNBR	1							
26	1	41851-000180	O-RING, P 18.0 HNBR	1							
27	1	1E3030-78370	CAP, SCREW	2							
28	1	172137-16560	BAND, BINDING W	1							
29	1	172A69-78230	HOSE, G616CC159S	1							
30	1	172A69-78250	HOSE, G806YY075	1							
31	1	172A69-78261	HOSE, G806YY060S	1							
32	1	172A69-78261	HOSE, G806YY060S	1							
33	1	172A69-78270	HOSE, G806YY140	1							
34	1	23001-016000	CLAMP, HOSE 16	8							

Remarks

* Fitting(control valve) is shown in Fig.124 & 125.

Fig.124. CONTROL VALVE(FITTING)(1)



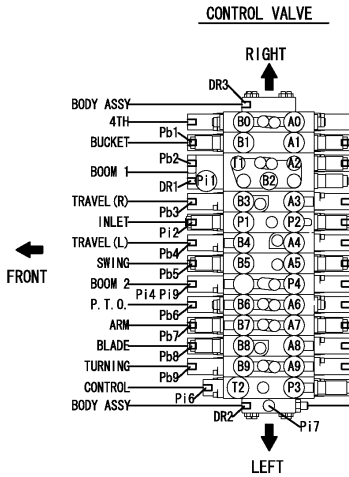
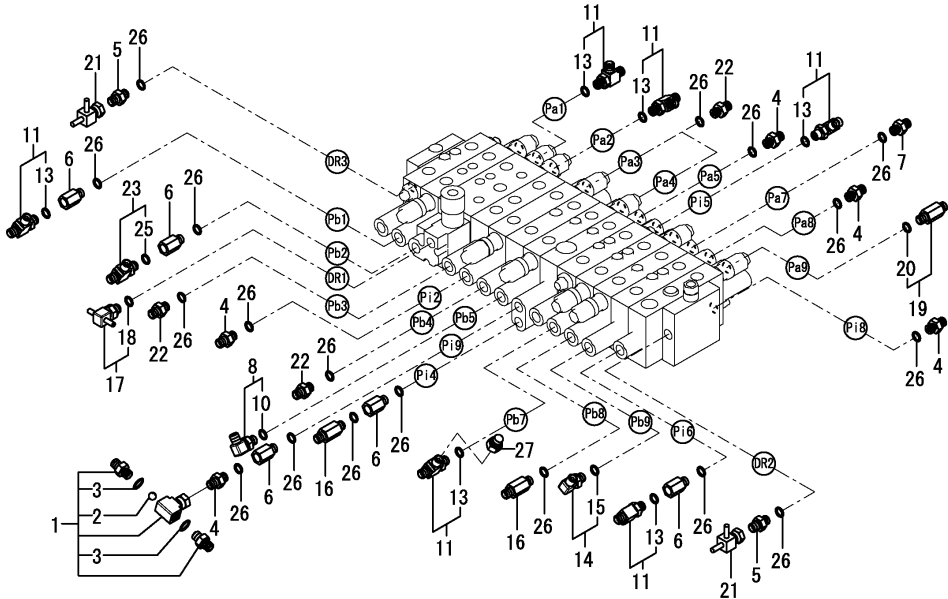
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172423-76100	CONNECTOR, PF1/2X3/8	1							
2	1	172524-76110	ELBOW, 1/2 L	2							
3	2	24315-000180	O-RING, 1BP18.0	2							
4	1	172423-76120	CONNECTOR, PF1/2X1/4	1							
5	1	172423-76140	CONNECTOR, 1/2X1/2	1							
6	1	172491-76140	JOINT, 1/4	1							
7	2	24315-000110	O-RING, 1BP11.0	1							
8	1	172A69-76150	ELBOW, 90 CHECK 1/2	1							
8-1	1	172A69-76151	ELBOW, 90 CHEK1/2	1							N
(A=MAH439)											
9	2	172A69-76050	PLUG	1							
9-1	2	172A69-76051	PLUG	1							S 1
(A=MAH439)											
10	2	172A69-76060	SPRING	1							
11	2	172A69-76070	VALVE, POPPET	1							
12	2	24315-000240	O-RING, 1BP24.0	1							
13	2	41851-000180	O-RING, P 18.0 HNBR	1							
13-1	2	24319-000180	PACKING,HNBR-90 P 18	1							N
(A=MAH439)											
14	1	172187-76170	TEE, ADJUSTABLE	1							
15	2	24315-000110	O-RING, 1BP11.0	1							
16	1	172151-76200	JOINT, PF3/4-1	1							
17	1	172187-76200	ADAPTER, 1/2-3/4	1							
18	1	172176-76210	JOINT, PF1/2	1							
19	1	172147-76271	CONNECTOR, 1/2X1/2	3							
20	1	172141-76900	CONNECTOR ASSY, 1/2L	1							
22	2	24315-000180	O-RING, 1BP18.0	1							
23	1	172141-76900	CONNECTOR ASSY, 1/2L	1							
25	2	24315-000180	O-RING, 1BP18.0	1							
26	1	172112-77361	CONNECTOR, PF1/2-1/2	6							
27	1	23391-020000	JOINT, RGI-1/4	1							
28	1	23391-040000	JOINT, RGI-1/2	1							
29	1	41851-000180	O-RING, P 18.0 HNBR	16							
30	1	41851-000240	O-RING, P 24.0 HNBR	1							
31	1	933160-01370	CONNECTOR, PF1/2X3/8	2							
32	1	1E3030-78370	CAP, SCREW	1							

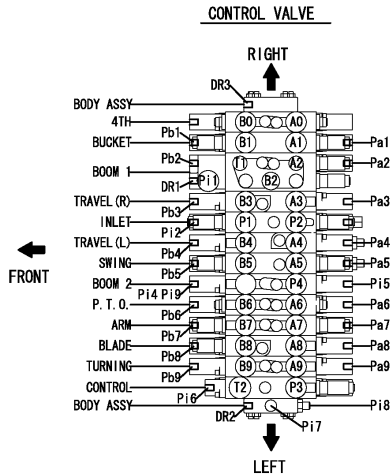
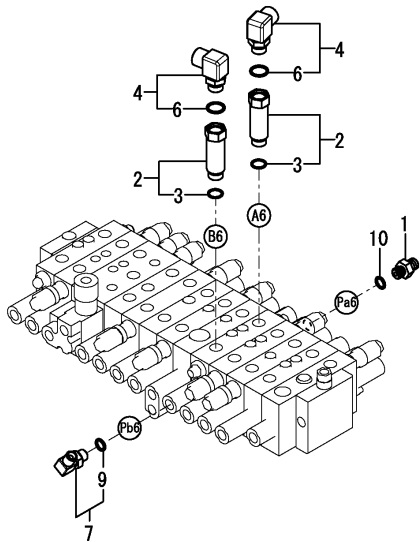
Remarks
(1)T=No.9 : 10mm, No.9-1 : 13mm.

Fig.125. CONTROL VALVE(FITTING)(2)



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, P11.0 HNBR	2							
4	1	172123-76121	ADAPTER, M/M PF1/4	5							
5	1	172123-76121	ADAPTER, M/M PF1/4	2							
6	1	172422-76140	CONNECTOR, PF1/4	5							
7	1	172A47-76171	CONNECTOR, G1/4X0.6	1							
8	1	172141-76181	CONNECTOR ASSY, 02FF	1							
10	2	41851-000110	O-RING, P11.0 HNBR	1							
11	1	172162-76181	JOINT ASSY, 1/4 T	6							
13	2	41851-000110	O-RING, P11.0 HNBR	6							
14	1	172A47-76180	ELBOW, 90 G1/4-0.6	1							
15	2	41851-000110	O-RING, P11.0 HNBR	1							
16	1	172183-76200	CONNECTOR, 1/4-1/4	2							
17	1	172A47-76230	NIPPLE, TEE G1/4	1							
18	2	41851-000110	O-RING, P11.0 HNBR	1							
19	1	172A47-76290	CONNECTOR, G1/4L-0.6	1							
20	2	41851-000110	O-RING, P11.0 HNBR	1							
21	1	172A47-76320	NIPPLE, G1/4	2							
22	1	172164-76330	JOINT, PF1/4-0.7	4							
23	1	172164-76700	JOINT ASSY	1							
25	2	24315-000110	O-RING, 1BP11.0	1							
26	1	41851-000110	O-RING, P11.0 HNBR	19							
27	1	1E3030-78370	CAP, SCREW	1							

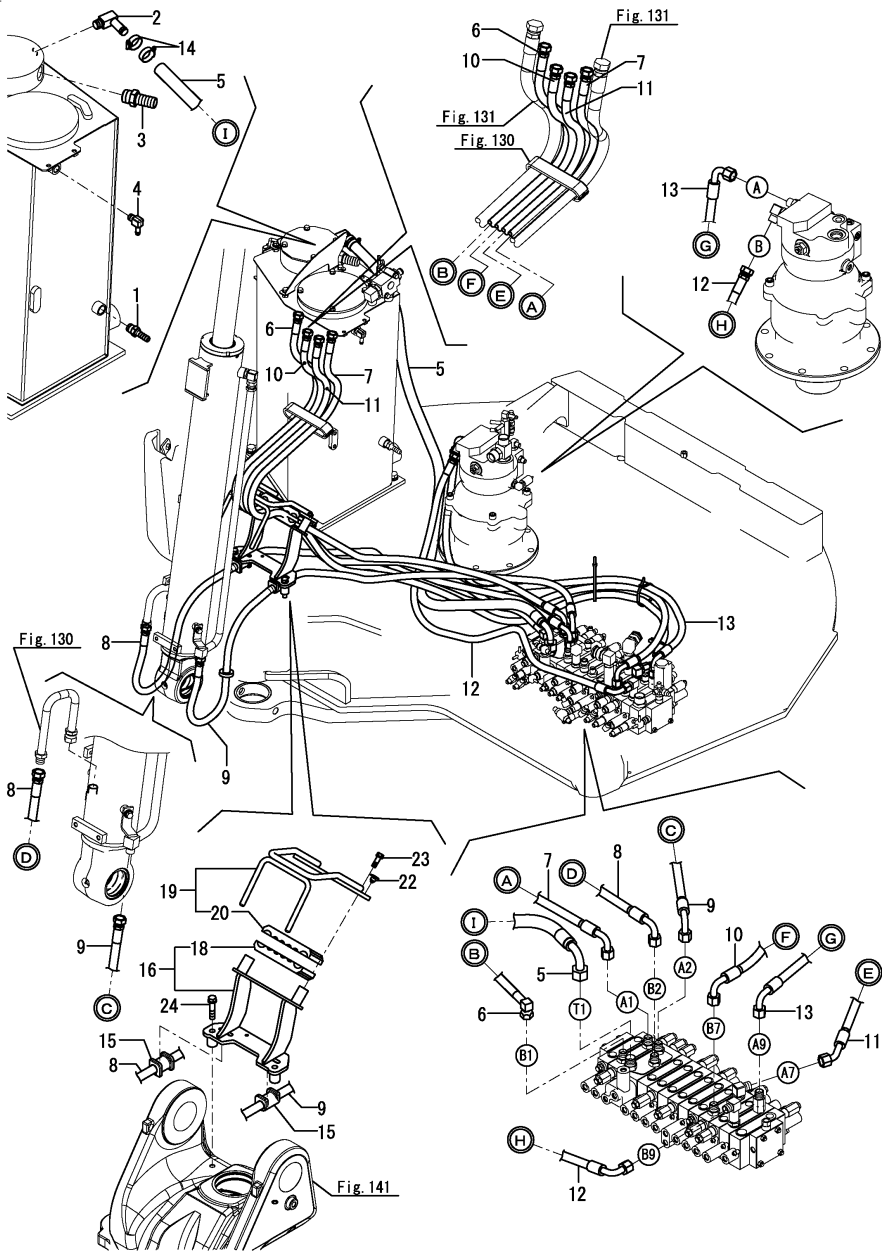
Fig.126. CONTROL VALVE(FITTING)(P.T.O.)



(A)=VIO80-1A C(KR)
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER, M/M PF1/4	1							
2	1	172A21-76120	ADAPTER, G1/2-1/2	2							
3	2	41851-000180	O-RING, P 18.0 HNBR	2							
4	1	172151-76161	ELBOW, PF1/2-3/4	2							
6	2	24315-000180	O-RING, 1BP18.0	2							
7	1	172141-76181	CONNECTOR ASSY, 02FF	1							
9	2	41851-000110	O-RING, P11.0 HNBR	1							
10	1	41851-000110	O-RING, P11.0 HNBR	1							

Fig.127. CONTROL VALVE - BOOM, TURNING MOTOR & TANK



(A)=VIO80-1A C(KR)
(B)=
(C)=

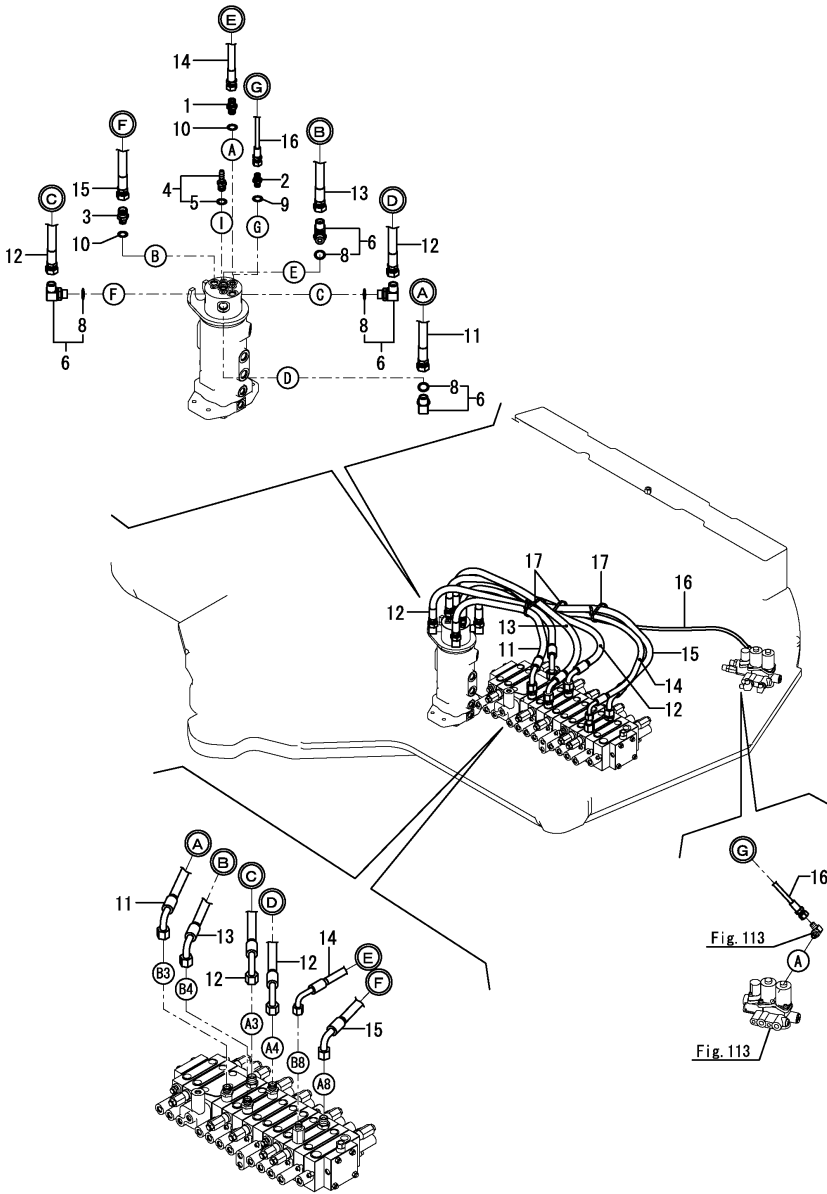
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-76170	CONNECTOR, 12	1							
2	1	172A89-76170	ELBOW, 90 1/2	1							
3	1	172187-76180	NIPPLE, HOSE 101-25	1							
4	1	172168-76370	ELBOW, 90 3/8-1/2	1							
5	1	172A69-78220	HOSE, G612CY188S	1							
6	1	172A89-78300	HOSE, H108BV238K	1							
7	1	172A89-78310	HOSE, H108BC234K	1							
8	1	172A69-78320	HOSE, H108BC217K	1							
9	1	172A69-78330	HOSE, H108BC208K	1							
10	1	172A89-78430	HOSE, G108BC291K	1							
11	1	172A89-78440	HOSE, H108BE272K	1							
12	1	172A69-78470	HOSE, H108BC145S	1							
13	1	172A69-78480	HOSE, H108CC152S	1							
14	1	23001-035000	CLAMP, HOSE 35	2							
15	1	172187-78100	RUBBER, HOSE CLAMP A	2							
16	1	172A89-79100-Y	CLAMP ASSY, HOSE	1							
18	2	172A89-79140	SUPPORT, HOSE RUBBER	1							
19	1	172A89-79150-Y	PLATE ASSY, CLAMP	1							
20	2	172A89-79140	SUPPORT, HOSE RUBBER	1							
22	1	172183-81160	CLIP, TREE 9.5	4							
23	1	26013-100302	BOLT, M10X 30	2							
24	1	26013-120602	BOLT, M12X 60	2							

Remarks

* Fitting(control valve) is shown in Fig.124 & 125.

Fig.128. CONTROL VALVE - SWIVEL JOINT



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

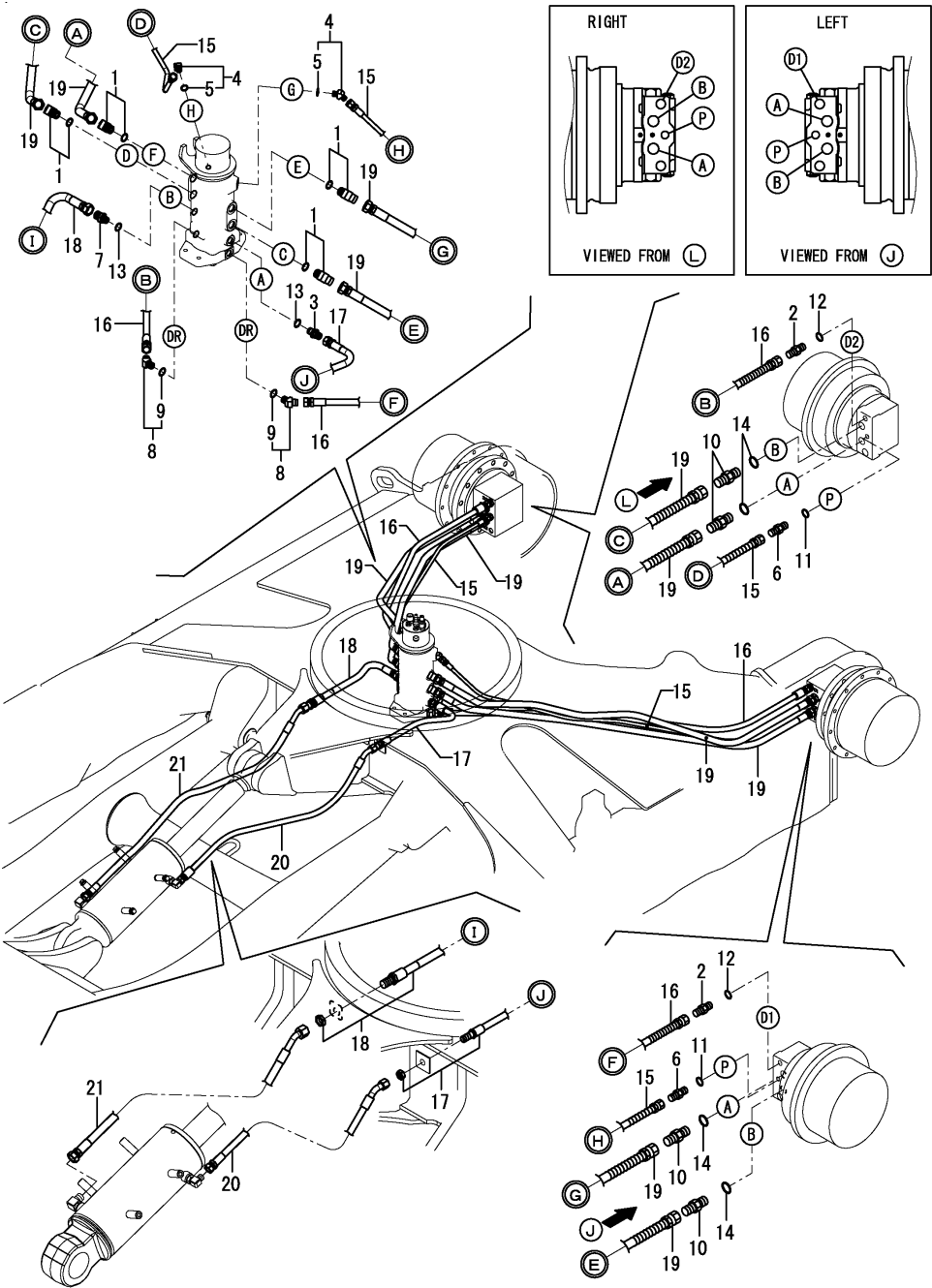
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER, M/M C	1							
2	1	172123-76121	ADAPTER, M/M PF1/4	1							
3	1	172168-76162	CONNECTOR, PF1/2X3/8	1							
4	1	172A65-76700	CONNECTOR, G3/8	1							
5	2	41851-000140	O-RING, P 14.0 HNBR	1							
6	1	172141-76900	CONNECTOR ASSY, 1/2L	4							
8	2	24315-000180	O-RING, 1BP18.0	4							
9	1	41851-000110	O-RING, P11.0 HNBR	1							
10	1	41851-000140	O-RING, P 14.0 HNBR	2							
11	1	172A69-78340	HOSE, H108BC070S	1							
12	1	172A69-78350	HOSE, H108BC073S	2							
13	1	172A69-78360	HOSE, H108BC086S	1							
14	1	172A69-78450	HOSE, H106BC113S	1							
15	1	172A69-78460	HOSE, H108BC113S	1							
16	1	172A69-78900	HOSE, F403BB107S	1							
17	1	172122-79890	CLAMP, HOSE 350	3							

Remarks

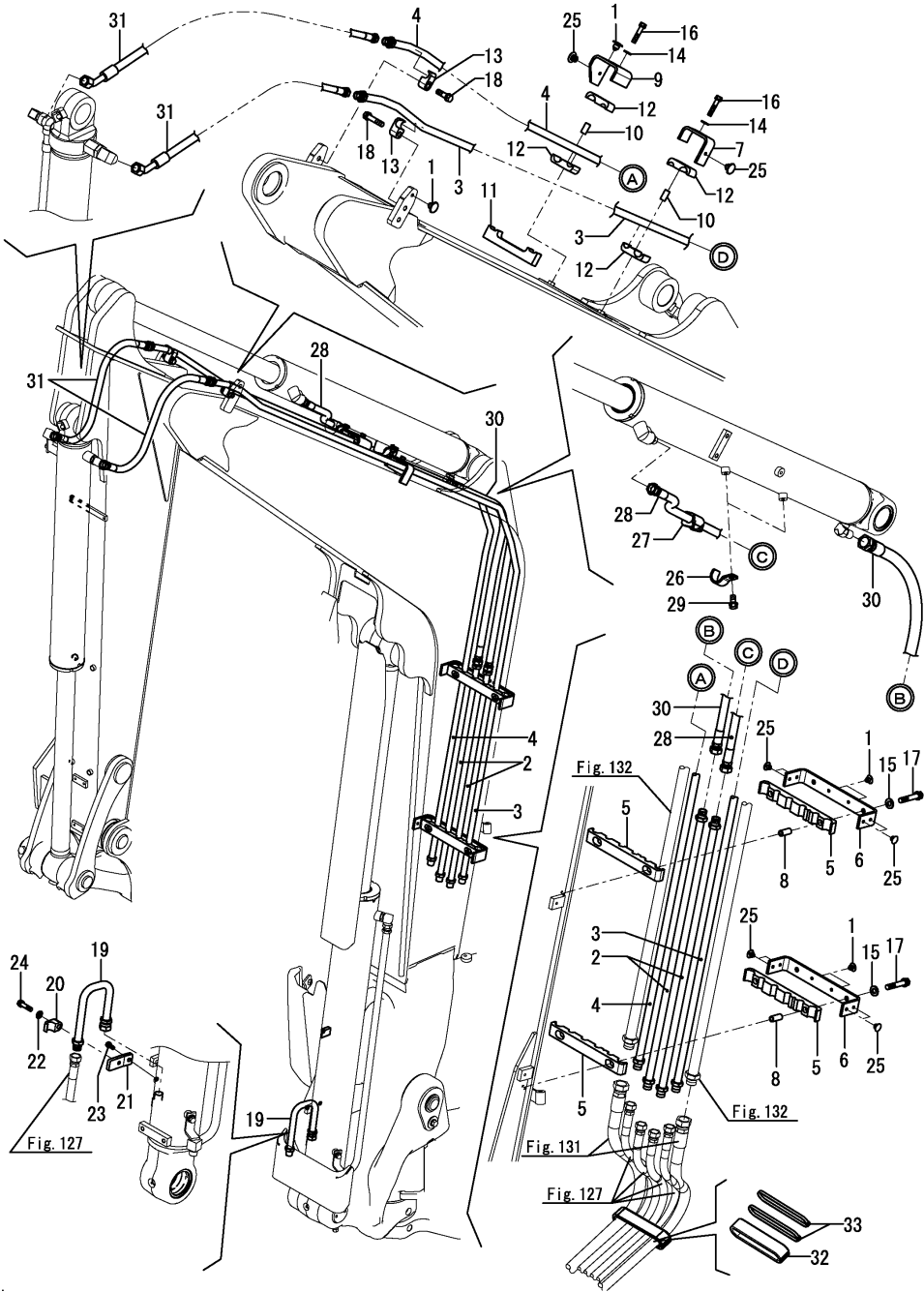
* Fitting(control valve) is shown in Fig.124 & 125.

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



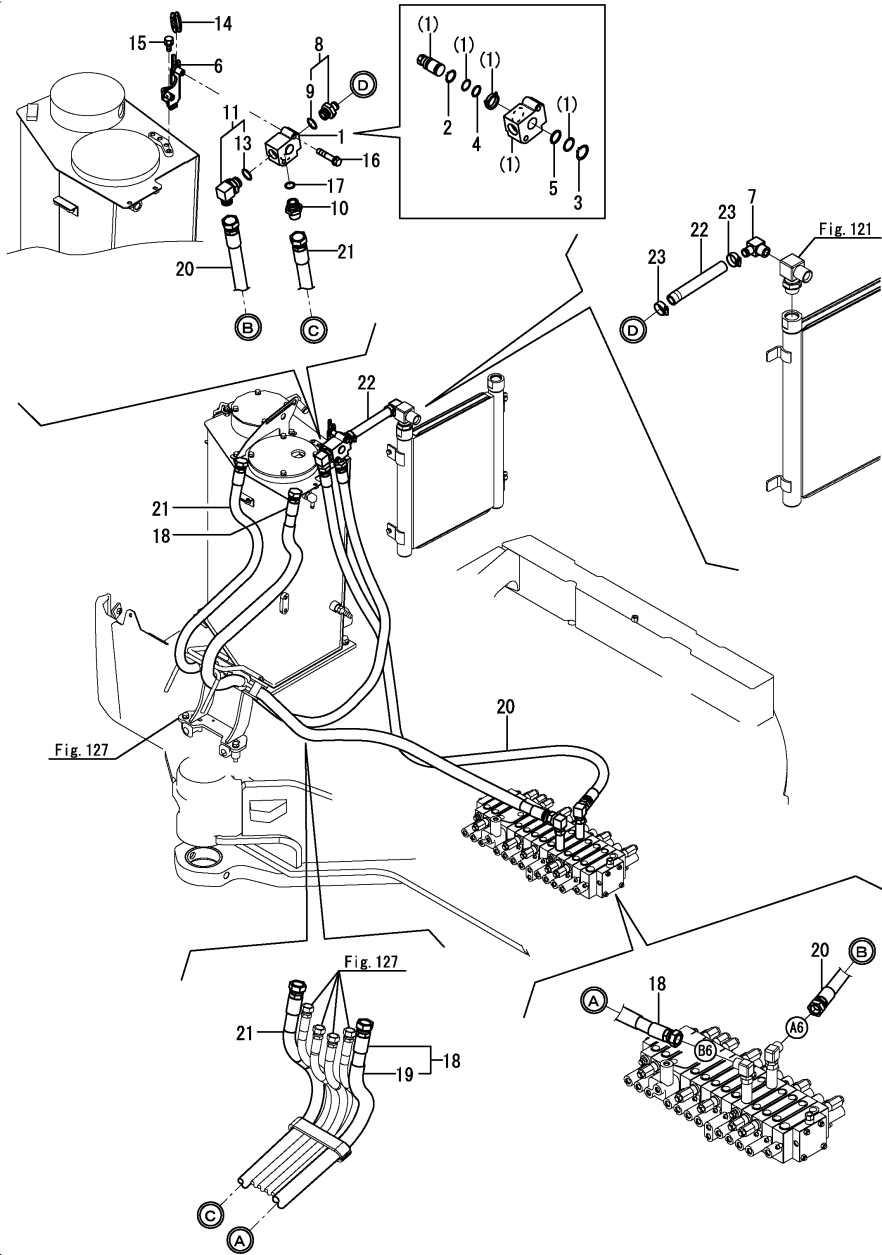
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4180-22850	ELBOW, 45 PF1/2	4							
2	1	172730-75141	ADAPTER, M/M C	2							
3	1	172730-75141	ADAPTER, M/M C	1							
4	1	172173-76102	CONNECTOR ASSY	2							
5	2	41851-000110	O-RING, P11.0 HNBR	2							
6	1	172123-76121	ADAPTER, M/M PF1/4	2							
7	1	172168-76162	CONNECTOR, PF1/2X3/8	1							
8	1	172644-76161	ELBOW, ADJUST 45	2							
9	2	24315-000140	O-RING, 1BP14.0	2							
10	1	172112-77361	CONNECTOR, PF1/2-1/2	4							
11	1	41851-000110	O-RING, P11.0 HNBR	2							
12	1	41851-000140	O-RING, P 14.0 HNBR	2							
13	1	41851-000140	O-RING, P 14.0 HNBR	2							
14	1	41851-000180	O-RING, P 18.0 HNBR	4							
15	1	172187-78201	HOSE, G604BB155W	2							
16	1	172187-78211	HOSE, G306BB145W	2							
17	1	172A69-78510	HOSE, H106BX055	1							
18	1	172A69-78520	HOSE, H108BX055	1							
19	1	172499-78530	HOSE, H108BB151W	4							
20	1	172A69-78530	HOSE, H106BE097W	1							
21	1	172A69-78540	HOSE, H108BE130W	1							



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE 8	6							
1-1	1	172B11-76900	CLIP, TREE 8	6							N
(A=*2015.07.)											
2	1	172A69-76200-Y	TUBE ASSY, ARM	2							
3	1	172B11-76250	TUBE ASSY, BUCKET L	1							
4	1	172A69-76270-Y	TUBE ASSY, BUCKET	1							
5	1	172A89-76400	CLAMP, RUBBER A	4							
6	1	172B11-76420	CLAMP, TUBE A	2							
7	1	172B11-76440	CLAMP, TUBE B	1							
8	1	172A69-76450	COLLAR, CLAMP	4							
9	1	172B11-76460	CLAMP, TUBE Q PTO2	1							
10	1	172187-76520	COLLAR, CLAMP	2							
11	1	172B11-76830	RUBBER, TUBE CLAMP	1							
12	1	172187-76940	RUBBER, CLAMP B	4							
13	1	172142-76950-Y	CLAMP, 1/2	2							
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							
18-1	1	26014-120452	BOLT, M12X 45	2							N
(A=*2016.05.)											
19	1	172A89-72270-N	TUBE, BOOM	1							
20	1	172142-76950-N	CLAMP, 1/2	1							
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	172444-17660	CLIP, TREE 8	10							
26	1	172A69-72680	CLAMP ASSY, HOSE	2							
27	1	172187-78100	RUBBER, HOSE CLAMP A	2							
28	1	172A69-78280	HOSE, H108BB202K	1							
29	1	26013-100162	BOLT, M10X 16	2							
30	1	172A89-78550	HOSE, H108BB095K	1							
31	1	172A89-78570	HOSE, H108BB070W	2							
32	1	172A69-78680	COVER, HOSE 23X330	1							
33	1	172A69-79890	CLIP, HOSE	2							

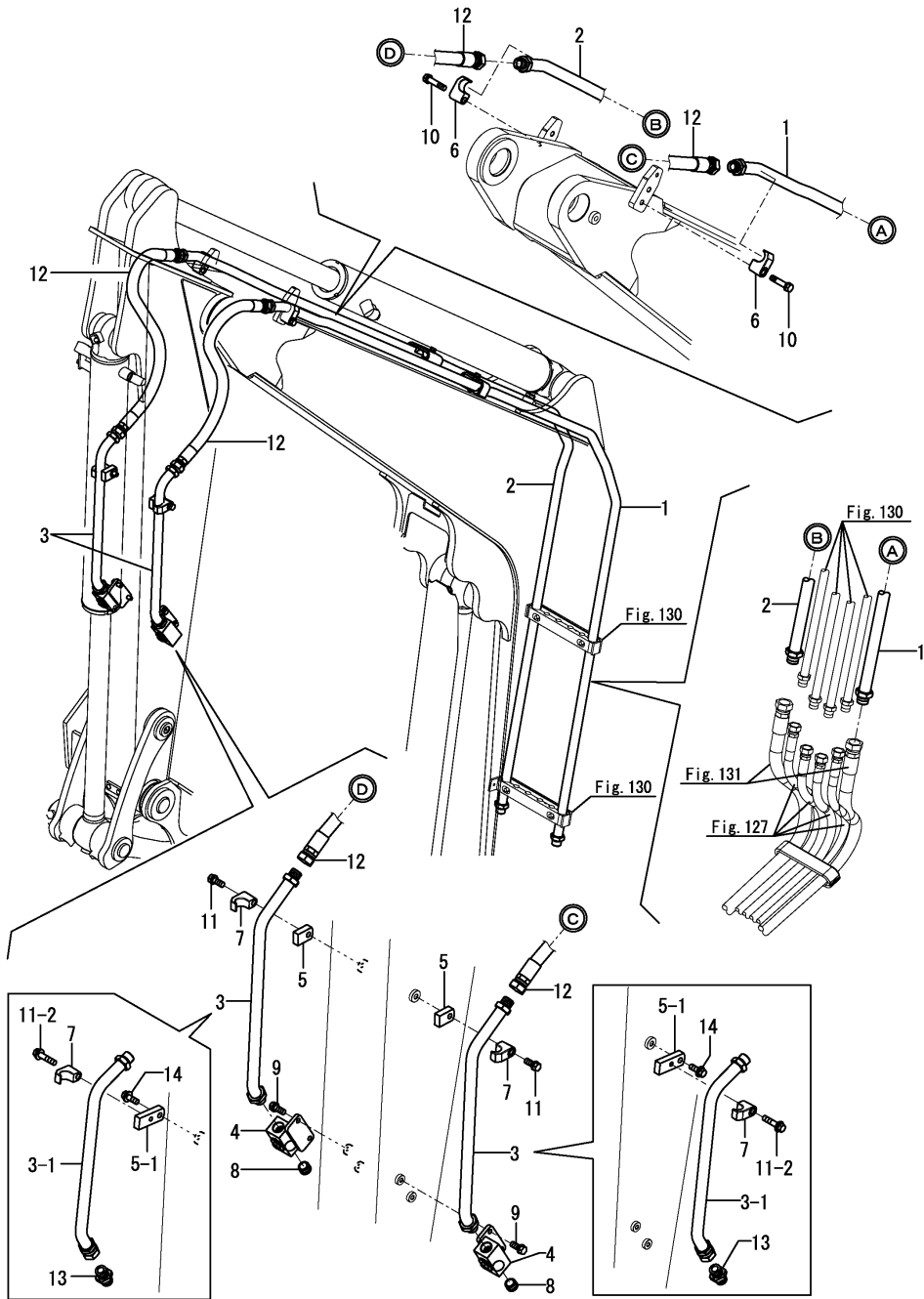


(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74050	VALVE ASSY, SELECOR	1							
2	2	22242-000210	RING, 21	1							
3	2	22242-000250	RING, 25	1							
4	2	24315-000210	O-RING, 1BP21.0	1							
5	2	24315-000250	O-RING, 1BP25.0	1							
6	1	172A69-74070	STAY ASSY, VALVE	1							
7	1	172467-76120	ELBOW, 90 R3/4	1							
8	1	172524-76210	NIPPLE, HOSE 3/4	1							
9	2	24315-000240	O-RING, 1BP24.0	1							
10	1	172142-76240	JOINT, PF3/4	1							
11	1	172165-76380	CONNECTOR ASSY	1							
13	2	24315-000240	O-RING, 1BP24.0	1							
14	1	172422-78760	GROMMET	1							
15	1	26013-100162	BOLT, M10X 16	2							
16	1	26013-100502	BOLT, M10X 50	2							
17	1	41851-000240	O-RING, P 24.0 HNBR	1							
18	1	172A89-78400	HOSE, G112BB259K	1							
19	2	172175-78720	SPONGE, HOSE 330	1							
20	1	172A69-78410	HOSE, G112BB195K	1							
21	1	172A69-78420	HOSE, G112BB296K	1							
22	1	172B11-78490	HOSE, G812YY020	1							
23	1	23001-025000	CLAMP, HOSE 25	2							

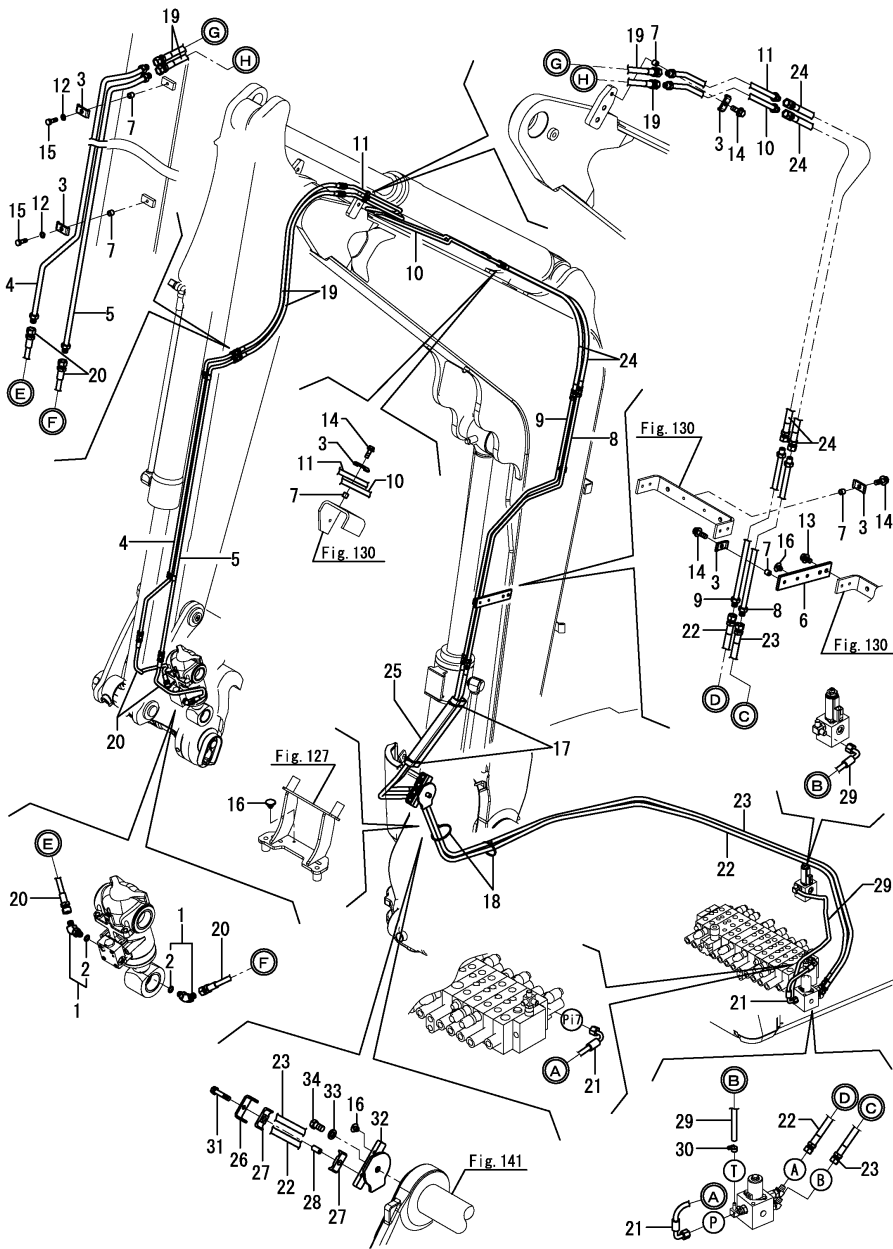
Remarks
* Fitting(control valve) is shown in Fig.126.



(A)=VIO80-1A C(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-Y	TUBE ASSY, PTO	1							
2	1	172A69-76320-Y	TUBE ASSY, PTO	1							
3	1	172187-76570-Y	TUBE, 3RD	2							
3-1	1	172B11-76610-Y (A=M1F333)	TUBE ASSY, PTO1	2							S
4	1	172176-76582-Y	VALVE ASSY, STOP	2							
4-1	1	172B11-74800 (A=MAF942)	VALVE ASSY,STOP R3/4	2							N
5	1	172187-76690-Y	PLATE, SPACER T16	2							
5-1	1	172B11-76630-Y (A=M1F333)	PLATE, M12	2							S
6	1	172142-76940-Y	CLAMP, 3/4	2							
7	1	172142-76940-Y	CLAMP, 3/4	2							
8	1	23871-060000	PLUG, R06	2							
9	1	26013-100252	BOLT, M10X 25	4							
10	1	26013-120552	BOLT, M12X 55	2							
10-1	1	26014-120552	BOLT, M12X 55	2							N
		(A=M1B719)									
11	1	26013-120702	BOLT, M12X 70	2							
11-1	1	26014-120752 (A=M1B719)	BOLT, 12 X 75	2							N
11-2	1	26014-120552 (A=M1F333)	BOLT, M12X 55	2							S
12	1	172187-79250	HOSE, G112BB085W	2							
13	1	23391-060000 (A=M1F333)	JOINT, RGI-3/4	2							W
14	1	26014-120352 (A=M1F333)	BOLT, M12X 35	2							W



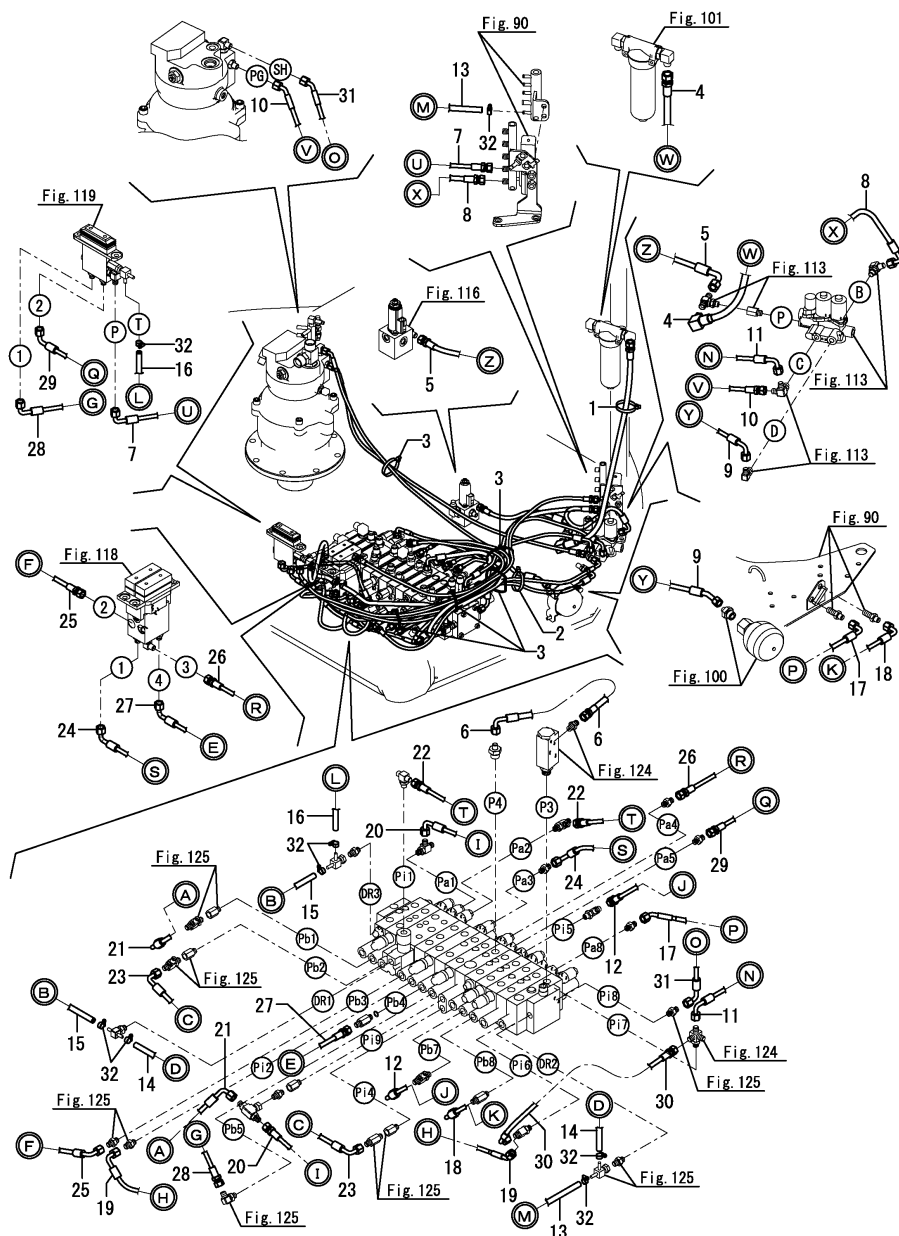
(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172978-76100	ELBOW, 45 PF1/4	2							
2	2	24315-000110	O-RING, 1BP11.0	2							
3	1	172110-76170-5	PLATE	6							
4	1	172978-76480-Y	TUBE ASSY, ARM	1							
5	1	172978-76500-Y	TUBE ASSY, ARM	1							
6	1	172B11-76510	PLATE, CLAMP Q HV	1							
7	1	172137-76580	COLLAR, 9X11	6							
8	1	172A69-76600-Y	TUBE ASSY	1							
9	1	172A69-76620-Y	TUBE ASSY	1							
10	1	172A69-76640-Y	TUBE ASSY	1							
11	1	172A69-76660-Y	TUBE ASSY	1							
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	172444-17660	CLIP, TREE 8	4							
16-1	1	172B11-76900	CLIP, TREE 8	4							N
(A=*2015.07.)											
17	1	172126-11510	BAND, BINDING 300	2							
18	1	194202-56460	BAND, BINDING 200	2							
19	1	172978-78111	HOSE, H205BB065W	2							
20	1	172958-78120	HOSE, G604BB048W	2							
21	1	172A69-78591	HOSE, H604CC025	1							
22	1	172A89-78600	HOSE, H604BB339K	1							
23	1	172A89-78610	HOSE, H604BB339K	1							
24	1	172A69-78620	HOSE, H604BB093K	2							
25	1	172A69-78670	COVER, HOSE	1							
26	1	172A69-79200	CLAMP, 54X25	1							
27	1	172A69-79210	SUPPORT, HOSE RUBBER	2							
28	1	172A69-79220	COLLAR, 9X24	1							
29	1	172A89-79620	HOSE, G804CY103	1							
30	1	23000-013000	CLAMP, 13	1							
31	1	26013-080402	BOLT, M8X 40	1							
32	1	172A69-79250-Y	CLAMP ASSY	1							
33	1	22217-140000	WASHER, SPRING 14	1							
34	1	26116-140252	BOLT, M14X 25 PLATED	1							

Remarks
* Fitting(control valve) is shown in Fig.124 & 125.

Fig.134. CONTROL PIPING(CONTROL VALVE - SOLENOID VALVE)



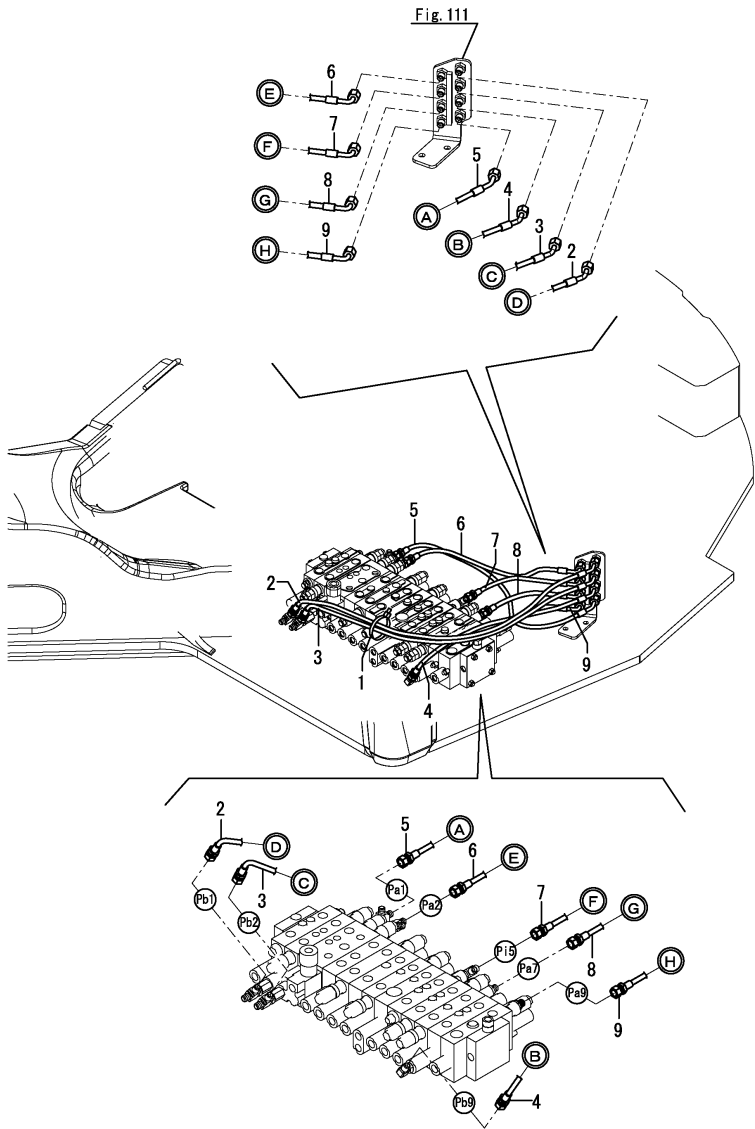
* Fitting(control valve) is shown in Fig.124 & 125.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-16560	BAND, BINDING W	1							
2	1	172137-16560	BAND, BINDING W	1							
3	1	194202-56460	BAND, BINDING 200	5							
4	1	172B11-78191	HOSE, H606BV077	1							
5	1	172B11-78261	HOSE, H604BC031S	1							
6	1	172A69-78370	HOSE, H104BC034	1							
7	1	172A69-78860	HOSE, F403BC148	1							
8	1	172B11-78870	HOSE, H604BC042	1							
9	1	172B11-78881	HOSE, H603CE058	1							
10	1	172A69-78890	HOSE, F403BE120S	1							
11	1	172A69-78910	HOSE, F403CC067	1							
12	1	172A69-78920	HOSE, F403BC083	1							
13	1	172A69-78930	HOSE, G804YY115S	1							
14	1	172A69-78940	HOSE, G804YY045S	1							
15	1	172A69-78950	HOSE, G804YY017S	1							
16	1	172A69-78960	HOSE, G804YY034	1							
17	1	172A69-78980	HOSE, H603CE042	1							
18	1	172A69-78990	HOSE, F403CC090	1							
19	1	172A69-79400	HOSE, F403CE029	1							
20	1	172A69-79410	HOSE, F403BC113	1							
21	1	172A69-79420	HOSE, H603CC035	1							
22	1	172A69-79430	HOSE, F403BB117	1							
23	1	172A69-79440	HOSE, H603CC022	1							
24	1	172A69-79450	HOSE, F403CC115	1							
25	1	172A69-79460	HOSE, H603BC026	1							
26	1	172A69-79470	HOSE, F403BB115	1							
27	1	172A69-79481	HOSE, H603BC036	1							
28	1	172A69-79501	HOSE, F403BC042	1							
29	1	172A69-79511	HOSE, F403BC133	1							
30	1	172A69-79520	HOSE, H603BC027	1							
31	1	172A69-79530	HOSE, F403CE135S	1							
32	1	23000-013000	CLAMP, 13	8							

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.135. CONTROL PIPING(CONTROL VALVE - PIPING BRACKET)



(A)=VIO80-1A C(KR)
(B)=
(C)=

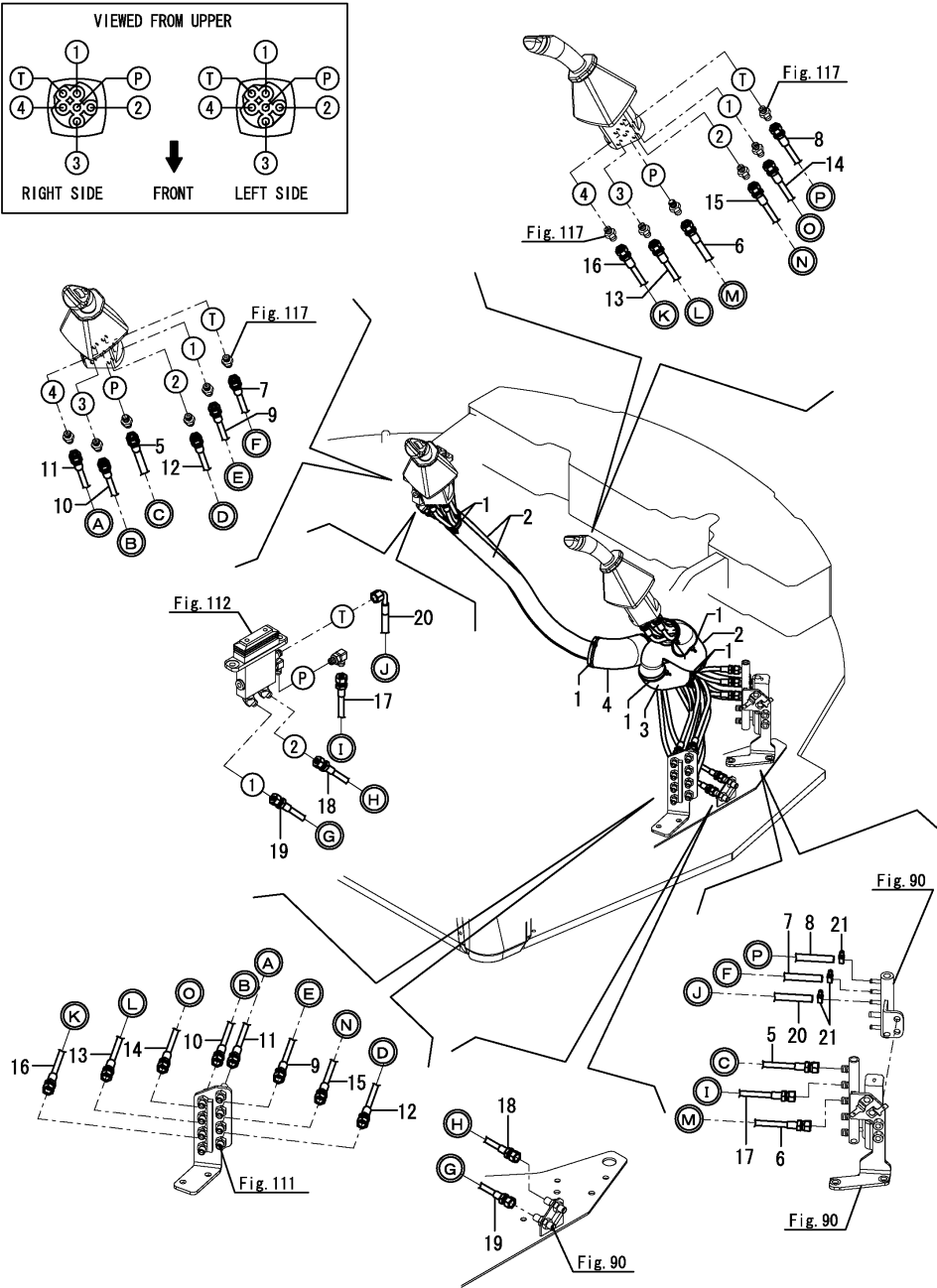
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, BINDING 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, F403BE076	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							

Remarks

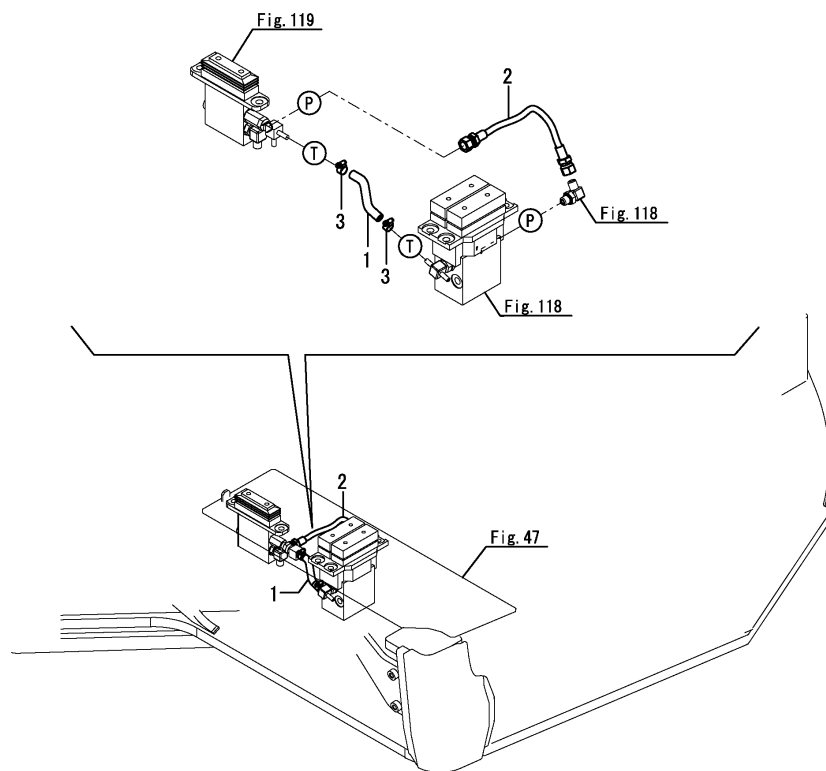
* Fitting(control valve) is shown in Fig.124 & 125.

Fig.136. 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, BINDING 300	12							
2	1	172A69-78630	COVER, HOSE 650	3							
3	1	172A69-78650	SPONGE, HOSE 150X44	1							
4	1	172A69-78660	SPONGE, HOSE 150X53	1							
5	1	172A69-78700	HOSE, H603BB106	1							
6	1	172A69-78711	HOSE, H603BB097	1							
7	1	172A69-78720	HOSE, G804BY120	1							
8	1	172A69-78731	HOSE, G804BY103	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	172A69-78781	HOSE, H603BB112	1							
14	1	172A69-78791	HOSE, H603BB111	1							
15	1	172A69-78801	HOSE, H603BB111	1							
16	1	172A69-78811	HOSE, H603BB110	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.137. CONTROL PIPING(TRAVEL & SWING PEDAL)

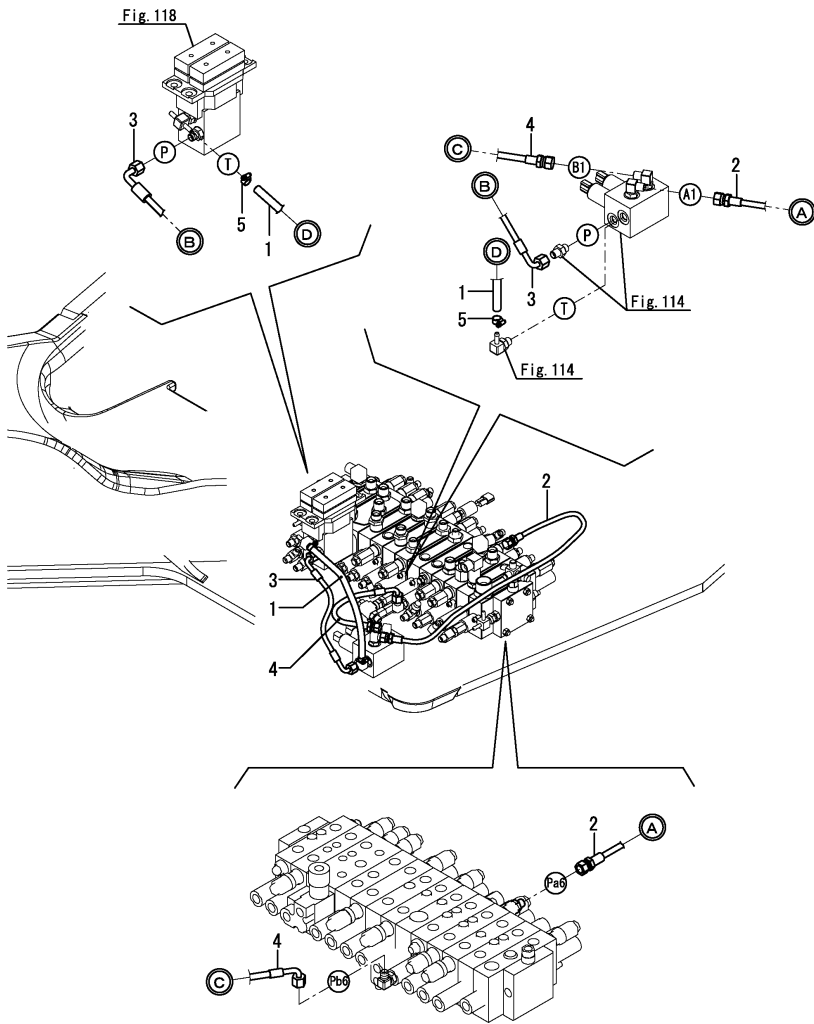


No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(KR)		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
1	1	172A69-78970	HOSE, G804YY010		1						
2	1	172A69-79490	HOSE, H603BB020		1						
3	1	23000-013000	CLAMP, 13		2						

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-79540	HOSE, G604YY029	1							
2	1	172B11-79550	HOSE, F403BB095	1							
3	1	172B11-79560	HOSE, H603CC028	1							
4	1	172B11-79570	HOSE, H603BC029	1							
5	1	23000-013000	CLAMP, 13	2							



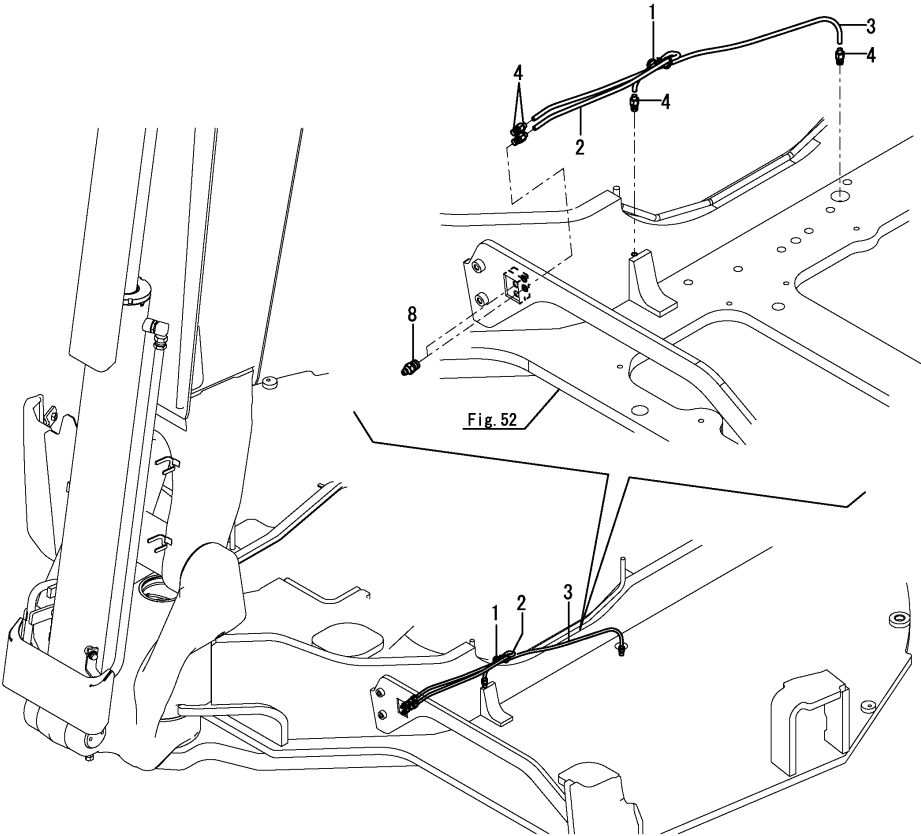
Remarks
* Fitting(control valve) is shown in Fig.126.

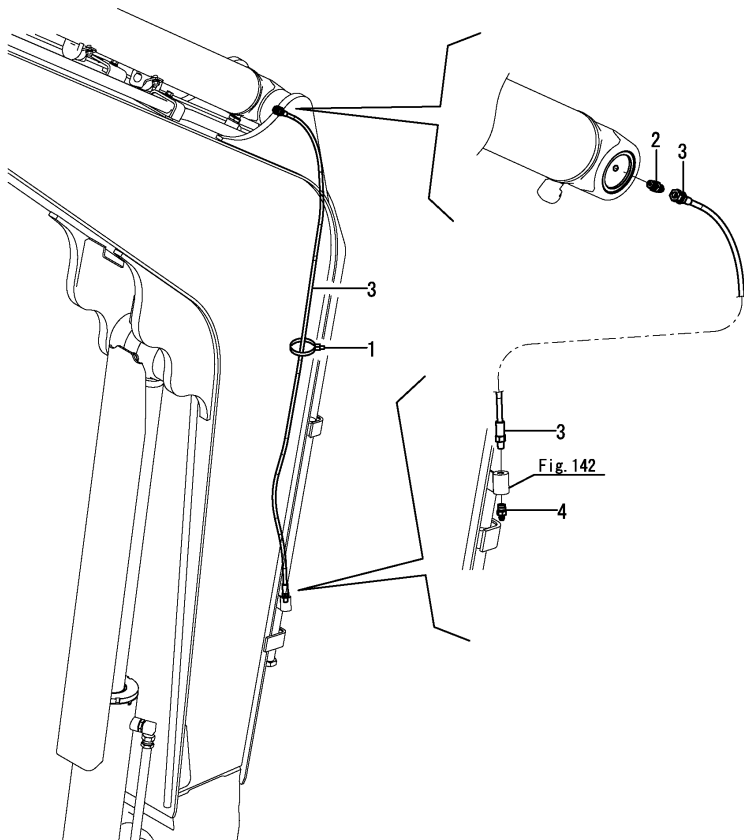
Fig.139. GREASING(TURNING FRAME)

(A)=VIO80-1A C(KR)
(B)=
(C)=

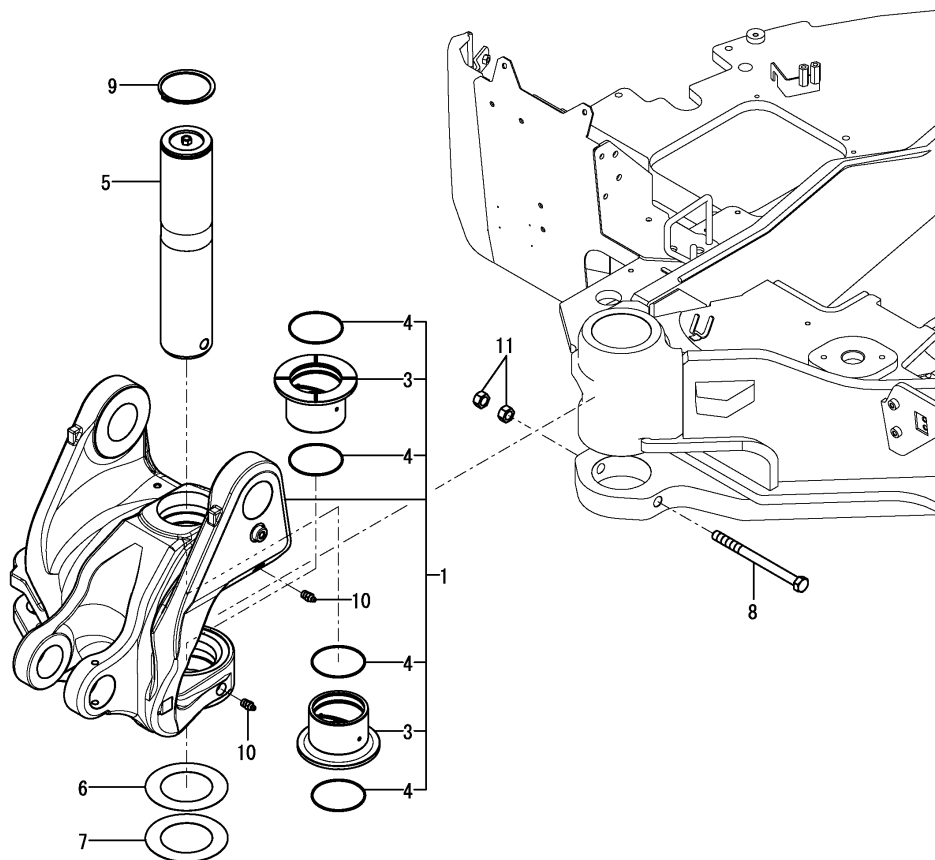
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-16560	BAND, BINDING W	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							

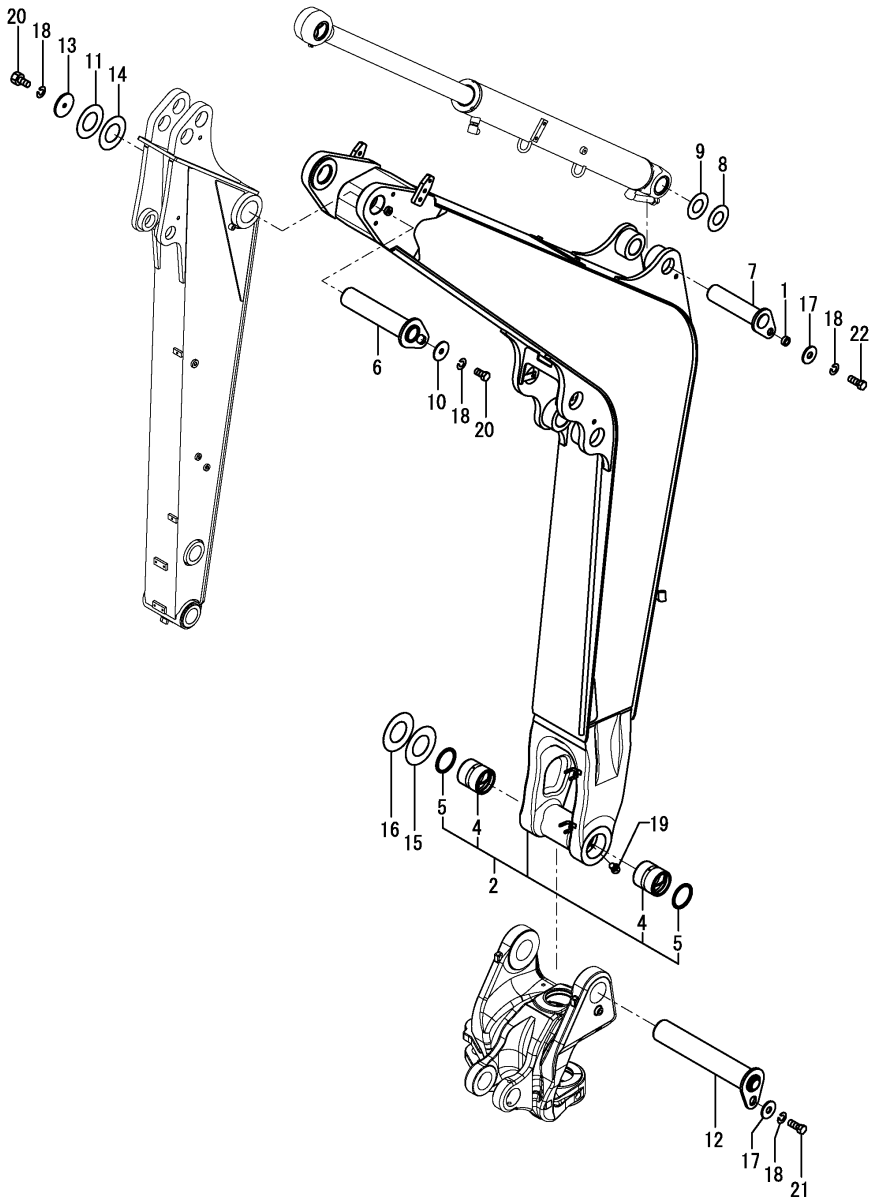




No.	Lev.	Parts No.	Description	Q'ty						I	F
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, BINDING 200	1							
2	1	172112-77580	JOINT, STRAIGHT 1/8	1							
3	1	172A89-77820	HOSE, P202AF141	1							
4	1	24761-020000	NIPPLE, GREASE PT1/8	1							



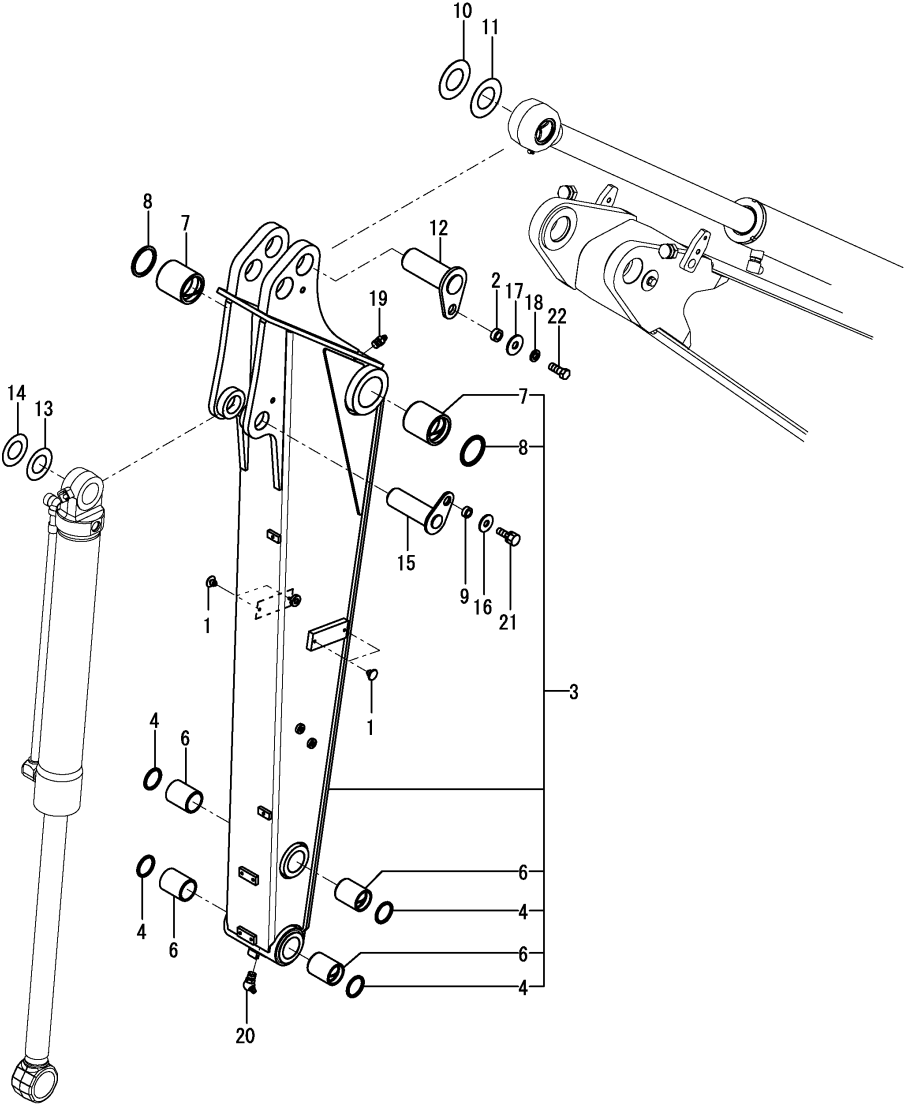
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-82300-Y	BRACKET ASSY, BOOM	1							
3	2	172A89-82320	BUSH, 100X90	2							
4	2	24321-001000	O-RING, 1AG100.0	4							
5	1	172187-82330	PIN ASSY, 100X487	1							
6	1	172187-82400	SHIM, 100X160X0.5	1							
7	1	172187-82410	SHIM, 100X160X0.8	1							
8	1	172187-82420	BOLT, 18X230	1							
9	1	22242-001000	RING, 100	1							
10	1	24761-020000	NIPPLE, GREASE PT1/8	2							
11	1	26716-180002	NUT, M18	2							



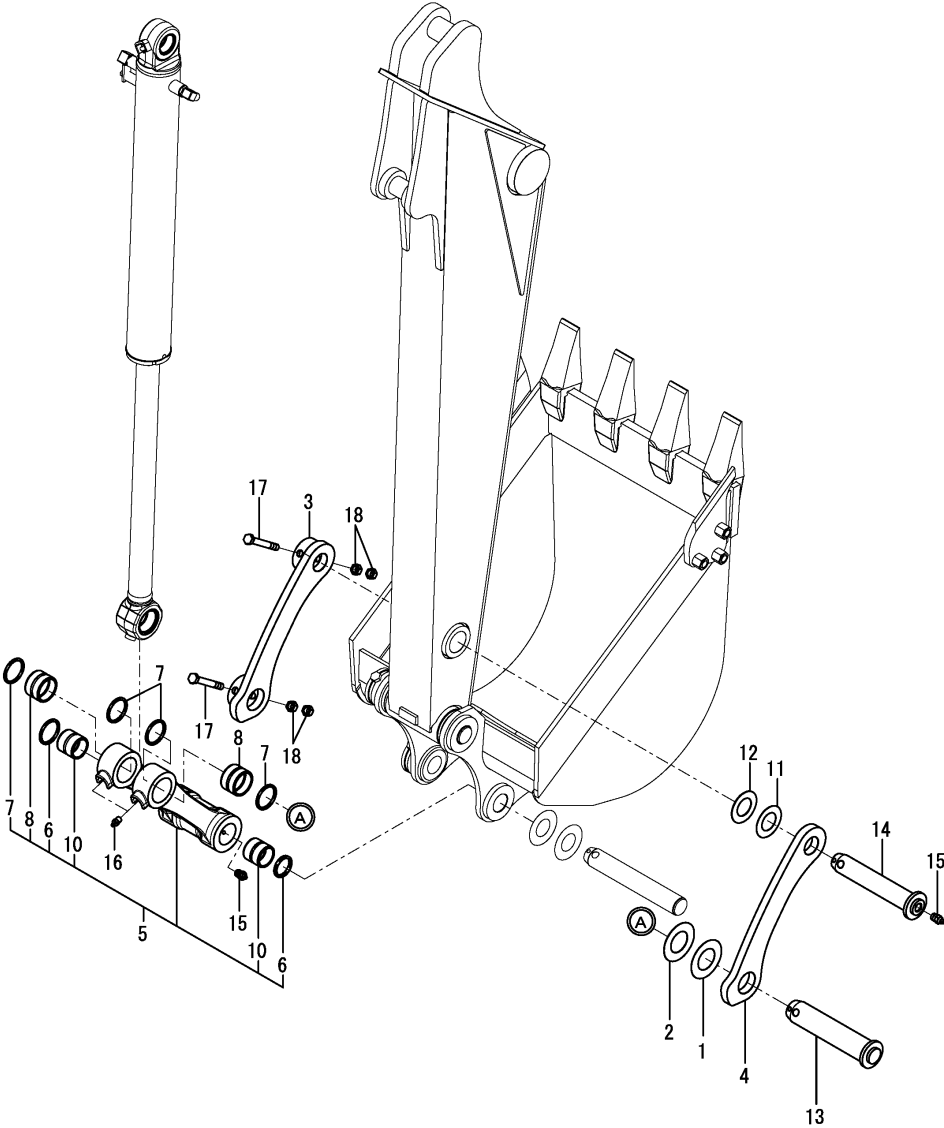
(A)=VIO80-1A C(KR)
(B)=
(C)=

(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-Y	BOOM ASSY, EX	1							
4	2	172A52-81352	BUSH, 80X95 A	2							
5	2	172162-81430	SEAL, DUST 80X95X5	2							
6	1	172499-81751	PIN ASSY, 70X315	1							
7	1	172187-81840	PIN ASSY, 60X243	1							
8	1	172499-81850	SHIM, 60X100X0.8	1							
9	1	172499-81860	SHIM, 60X100X0.5	1							
10	1	172187-81970	WASHER, 15X58X3.2	1							
11	1	172445-81990	SHIM, 70X130X0.8	1							
12	1	172187-82340	PIN ASSY, 80X435	1							
13	1	172187-82430	WASHER, 15X90X6	1							
14	1	172162-83580	SHIM, 70X130X0.5	1							
15	1	172162-83600	SHIM, 80X150X0.5	1							
16	1	172162-83610	SHIM, 80X150X1.2	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	26116-140252	BOLT, M14X 25 PLATED	1							
22	1	26116-140352	BOLT, M14X 35 PLATED	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE 8	4							
2	1	172155-45790	SPACER	1							
3	1	172A89-81470-Y	ARM, 1650 EX	1							
3-1	1	172A89-81471-Y	ARM, 1650 EX	1							N
(A="2019.03)											
4	2	172448-54120	SEAL, DUST 50X60X4	4							
6	2	172187-81710	BUSH, 50X75	4							
7	2	172162-82280	BUSH, 70X85	2							
8	2	172162-82350	SEAL, DUST 70X85X5	2							
9	1	172164-81670	SPACER	1							
10	1	172175-81700	SHIM, 60X110X0.8	1							
11	1	172175-81710	SHIM, 60X110X0.5	1							
12	1	172187-81861	PIN ASSY, 60X155	1							
13	1	172165-82520	SHIM, 50X90X0.5	1							
14	1	172165-82530	SHIM, 50X90X1.2	1							
15	1	172458-83650	PIN ASSY, 50X153	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, M12X 30	1							
22	1	26116-140352	BOLT, M14X 35 PLATED	1							



(A)=VIO80-1A C(KR)
(B)=
(C)=

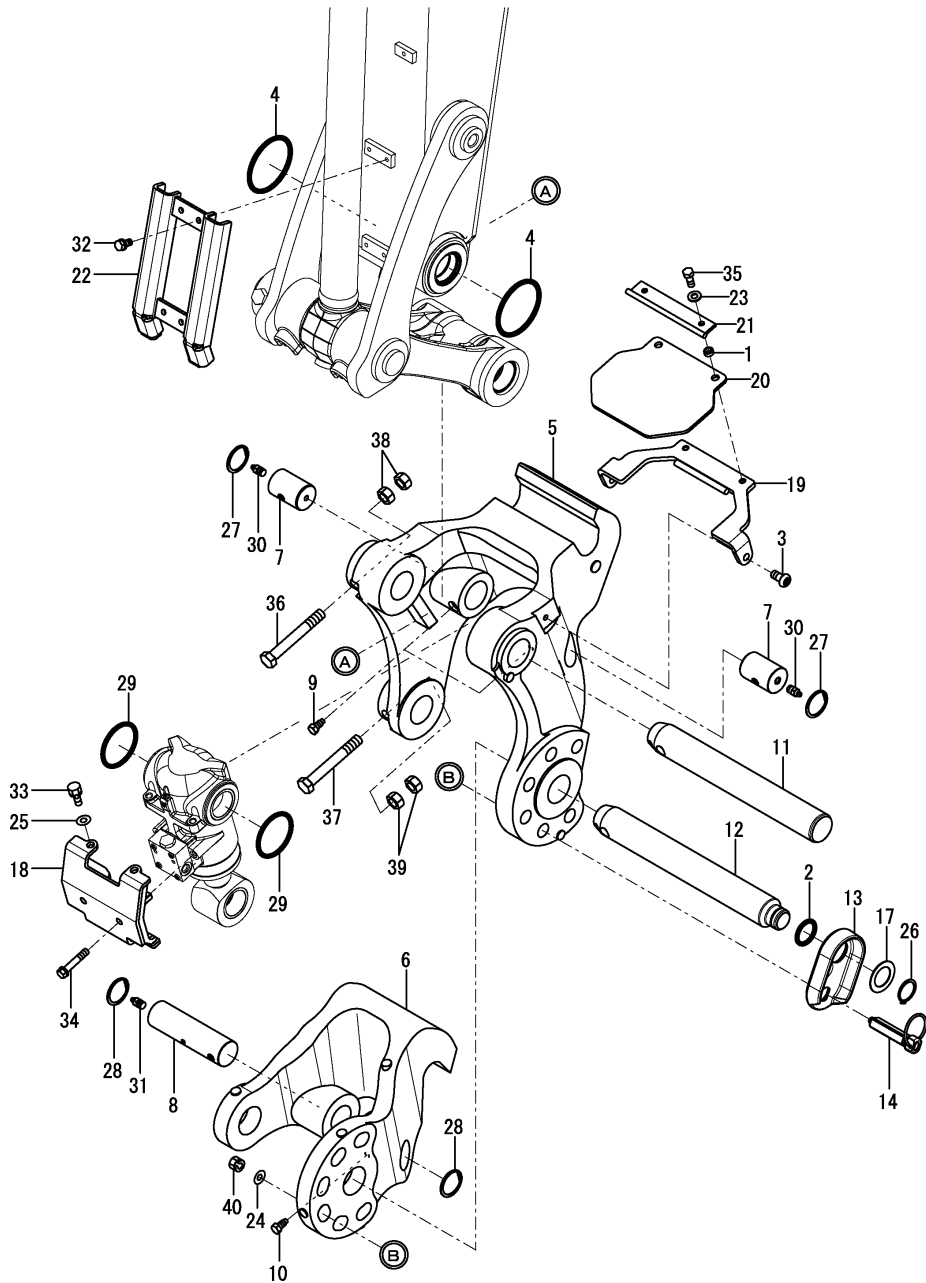
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172175-81700	SHIM, 60X110X0.8	1							
2	1	172175-81710	SHIM, 60X110X0.5	1							
3	1	172455-82380-Y	ARM, BUCKET	1							
4	1	172455-82391-Y	ARM, BUCKET	1							
5	1	172499-82400-Y	LINK, BUCKET	1							
6	2	172448-54120	SEAL, DUST 50X60X4	2							
7	2	172168-54760	SEAL, DUST 60X70X4	4							
8	2	172455-82360	BUSH, 60X47	2							
10	2	172187-83040	BUSH, 50X60X54.5	2							
11	1	172165-82520	SHIM, 50X90X0.5	1							
12	1	172165-82530	SHIM, 50X90X1.2	1							
13	1	172455-83350	PIN ASSY, 60X248	1							
14	1	172455-83360	PIN ASSY, 50X248	1							
15	1	24761-020000	NIPPLE, GREASE PT1/8	3							
16	1	24761-020000	NIPPLE, GREASE PT1/8	2							
17	1	26116-161202	BOLT, M16X120 PLATED	2							
18	1	26716-160002	NUT, M16	4							

OCK50-M00640 IMPLEMENT
Fig.145. QUICK COUPLER

(A)=VIO80-1A C(KR)
(B)=
(C)=

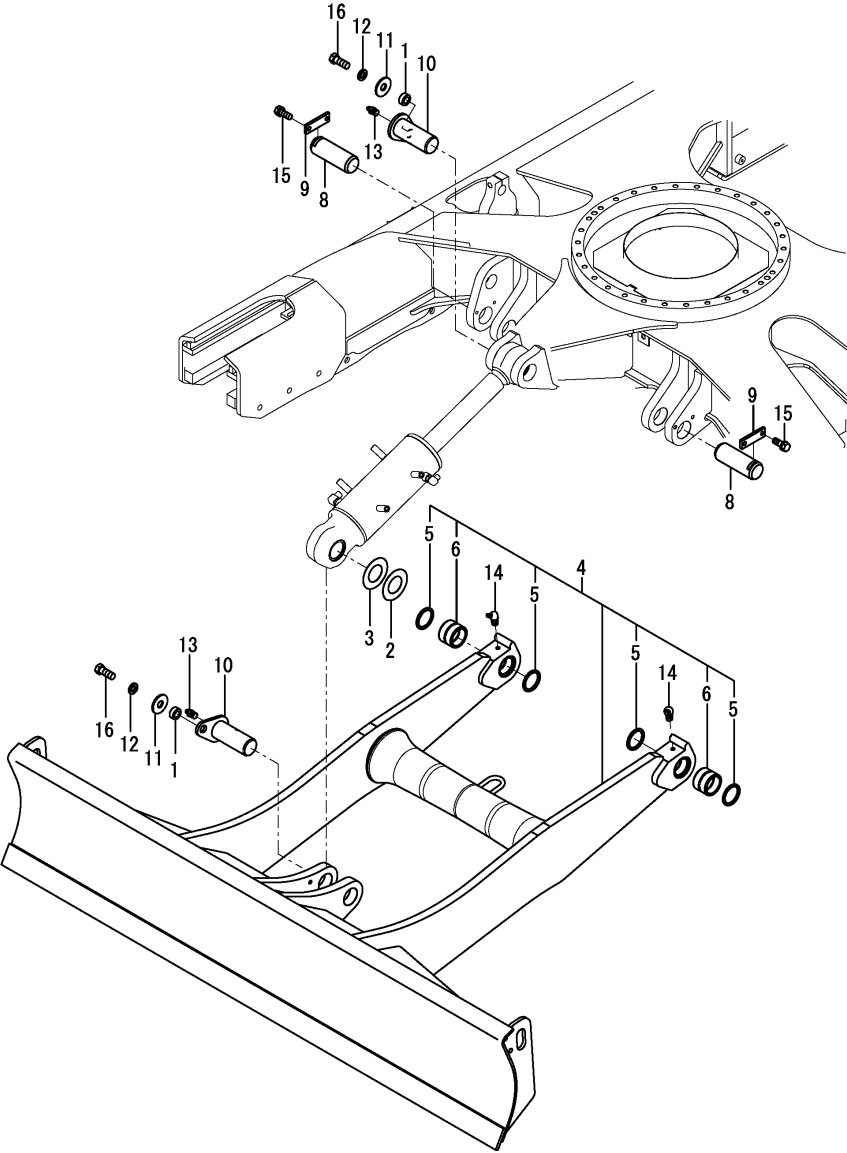
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-17121	COLLAR, 9X4	2							
2	1	172124-46200	O-RING, 27.6X5.7	1							
3	1	172455-61720	BOLT, BUTTON	2							
4	1	172162-82360	O-RING, 86X8	2							
5	1	172978-83101-Y	BRACKET, A	1							
6	1	172978-83111-Y	BRACKET, B	1							
7	1	172978-83120	PIN, 45X65	2							
8	1	172978-83130	PIN, 45X161	1							
9	1	172978-83140	BOLT, LOCK	2							
10	1	172978-83140	BOLT, LOCK	1							
11	1	172978-83150	PIN, 50X345	1							
12	1	172978-83161	PIN, 50X373	1							
13	1	172978-83170-Y	PLATE, LOCK	1							
14	1	172978-83191	PIN ASSY, LOCK	1							
17	1	172960-83210	COLLAR, 35.5X55X1.6	1							
18	1	172978-83221-Y	COVER, HITCH CYLINDER	1							
19	1	172978-83270-Y	GUARD ASSY	1							
20	1	172978-83292	PLATE, RUBBER	1							
21	1	172978-83300-Y	PLATE ASSY	1							
22	1	172978-83320-Y	COVER, ARM	1							
23	1	22137-080000	WASHER, 8	2							
24	1	22137-100000	WASHER, 10	1							
25	1	22137-100000	WASHER, 10	2							
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	26013-100502	BOLT, M10X 50	2							
35	1	26116-080202	BOLT, M8X 20 PLATED	2							
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							

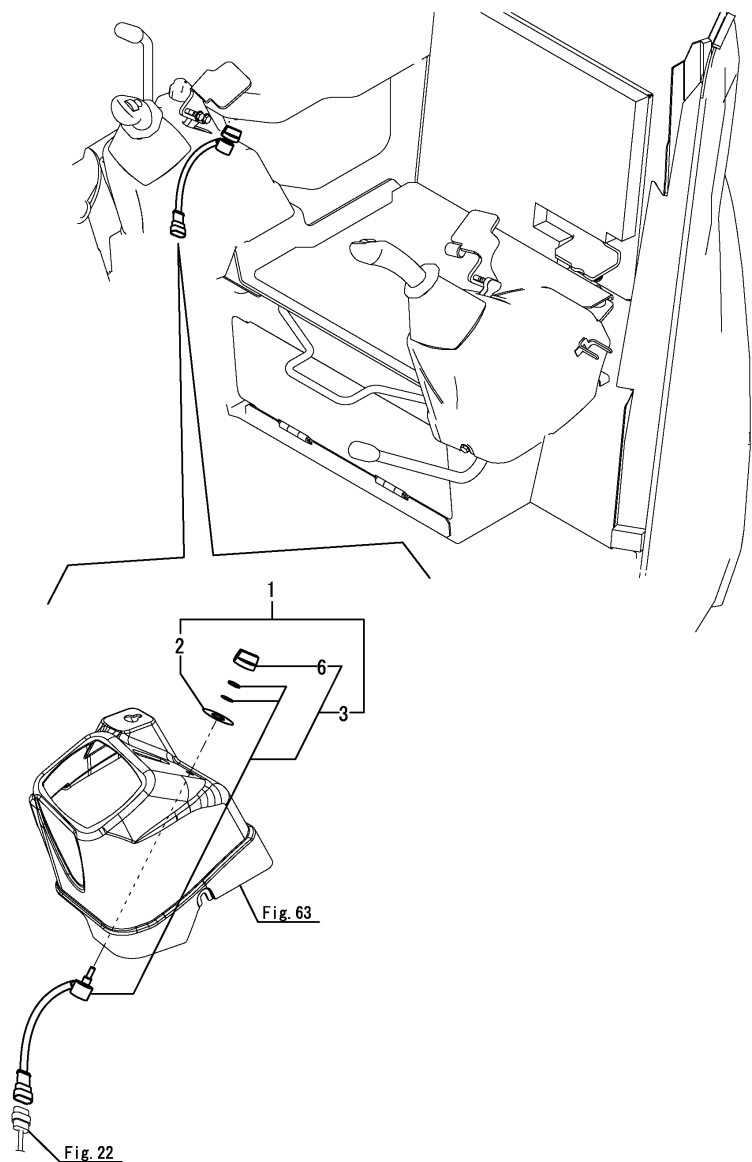
(A)=VIO80-1A C(KR)
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-45790	SPACER	2							
2	1	172175-81700	SHIM, 60X110X0.8	1							
3	1	172175-81710	SHIM, 60X110X0.5	1							
4	1	172A89-94100	BLADE ASSY	1							
5	2	172020-10620	SEAL, DUST 60X75X5	4							
6	2	172162-81060	BUSH, 60X55	2							
8	1	172162-94270	PIN, 60X150	2							
9	1	172162-94280-3	PLATE, LOCK	2							
10	1	172187-94300	PIN ASSY, 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.147. DIAL KIT FOR P.T.O. FLOW RATE ADJUSTMENT(OPTIONAL)

[illegible]

(A)=VIO80-1A C(KR)
(B)=
(C)=

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



Part	Qty	Part Name	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	172B11-08700	PTO KIT, BOOM END 2	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.149. P.T.O.2 KIT(BOOM END)(OPTIONAL)(2/7)

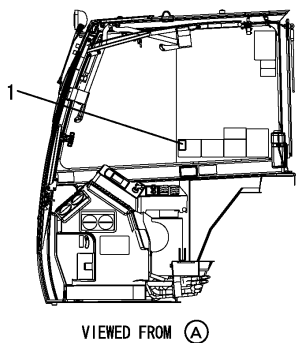
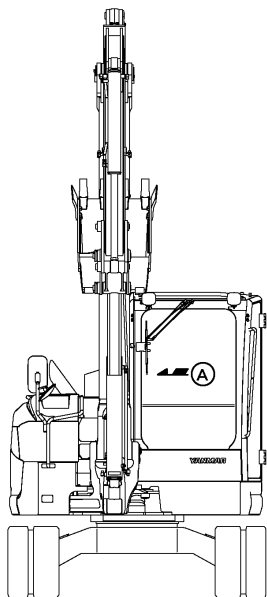
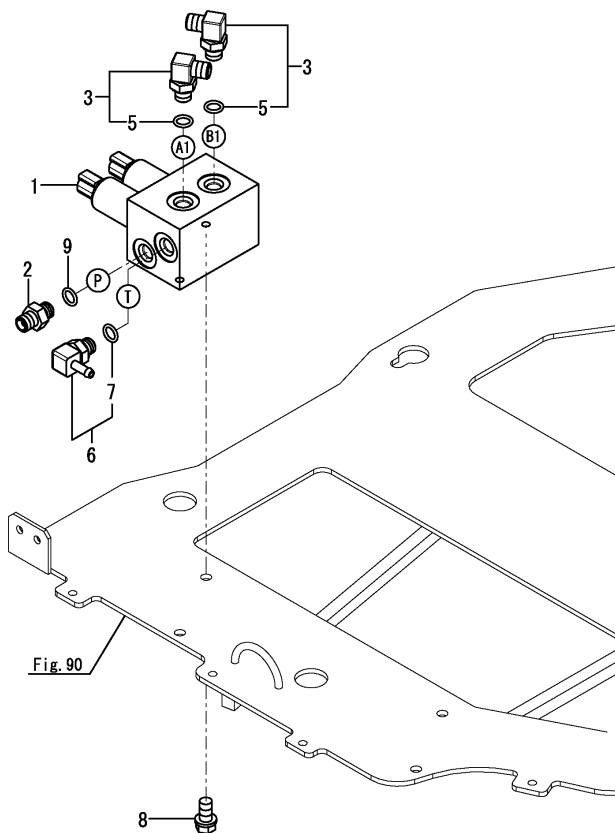
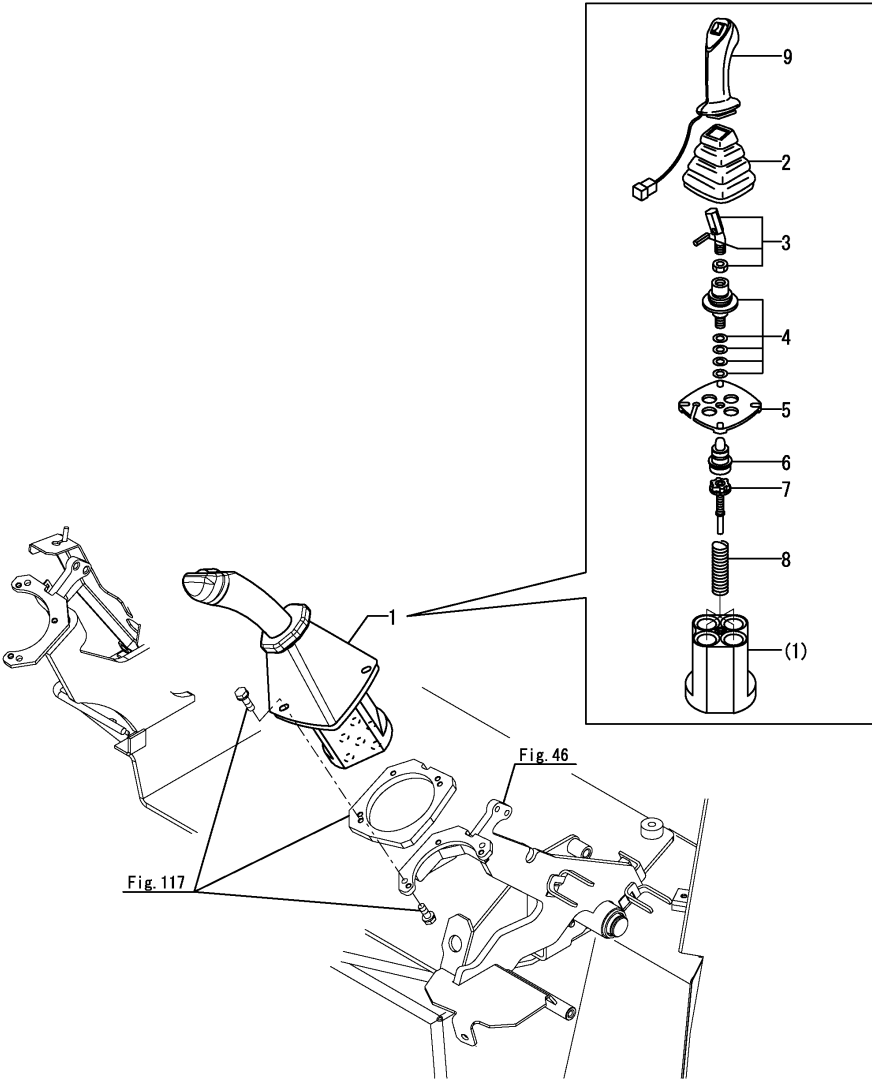
[illegible]

Fig.150. P.T.O.2 KIT(BOOM END)(OPTIONAL)(3/7)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74410	VALVE ASSY, PTO	1							
2	2	172123-76121	ADAPTER, M/M PF1/4	1							
3	2	172141-76181	CONNECTOR ASSY, 02FF	2							
5	3	41851-000110	O-RING, P11.0 HNBR	2							
6	2	172186-76430	NIPPLE, ELBOW PF1/4	1							
7	3	24315-000110	O-RING, 1BP11.0	1							
8	2	26013-080162	BOLT, M8X 16	2							
9	2	41851-000110	O-RING, P11.0 HNBR	1							

Fig.151. P.T.O.2 KIT(BOOM END)(OPTIONAL)(4/7)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74900	VALVE ASSY, L	1							
2	3	172441-74030	BOOT, RUBBER	1							
3	3	172441-74040	LEVER KIT	1							
4	3	172463-74530	JOINT KIT	1							
5	3	172463-74540	PLATE, RETAINING	1							
6	3	172463-74551	PLUNGER KIT	1							
7	3	172463-74561	REGULATION KIT	4							
8	3	172463-74570	SPRING KIT	1							
9	3	172B11-74910	HANDLE ASSY	1							

Fig.152. P.T.O.2 KIT(BOOM END)(OPTIONAL)(5/7)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172123-76121	ADAPTER, M/M PF1/4	2							
2	2	172141-76900	CONNECTOR ASSY, 1/2L	2							
4	3	24315-000180	O-RING, 1BP18.0	2							
5	2	41851-000110	O-RING, P11.0 HNBR	2							

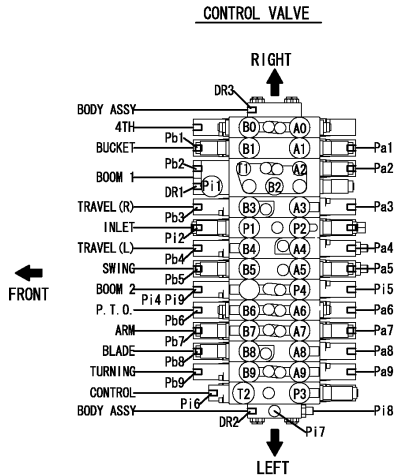
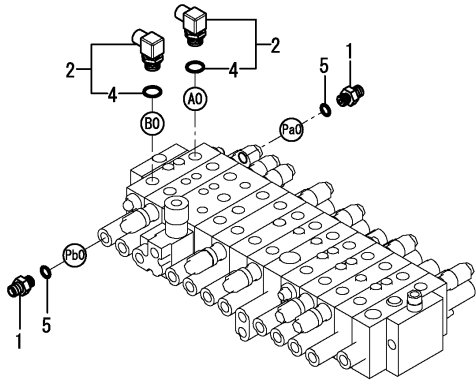
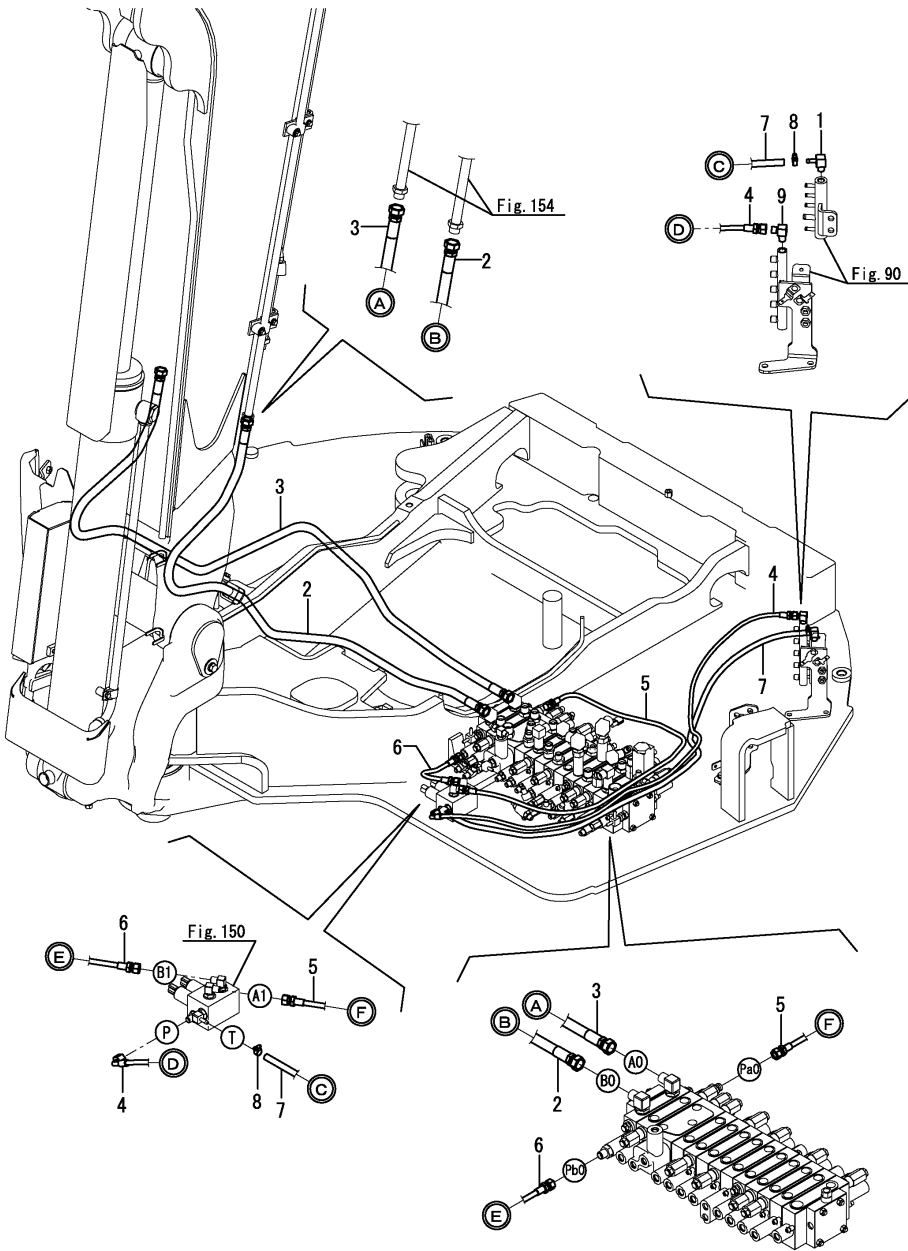


Fig.153. P.T.O.2 KIT(BOOM END)(OPTIONAL)(6/7)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172186-76390	NIPPLE, ELBOW 1/4	1							
2	2	172B11-79940	HOSE, H108BB238K	1							
3	2	172B11-79950	HOSE, H108BB238K	1							
4	2	172B11-79960	HOSE, F403BC150	1							
5	2	172B11-79970	HOSE, F403BB140	1							
6	2	172B11-79980	HOSE, H603BB027	1							
7	2	172B11-79990	HOSE, G604YY147	1							
8	2	23000-013000	CLAMP, 13	2							
9	2	23393-020000	JOINT, 90RGI-1/4	1							

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

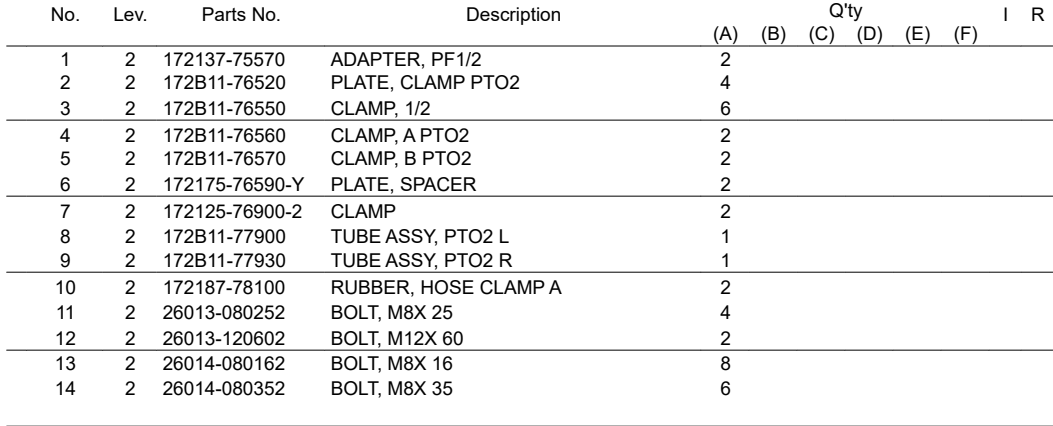
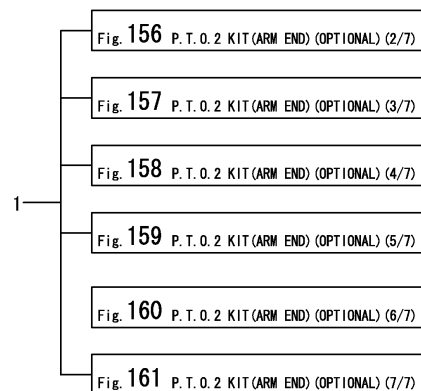


Fig.155. P.T.O.2 KIT(ARM END)(OPTIONAL)(1/7)

[illegible]

Remarks
(1) Refer to each figure, showing details of kit parts.

Fig.156. P.T.O.2 KIT(ARM END)(OPTIONAL)(2/7)

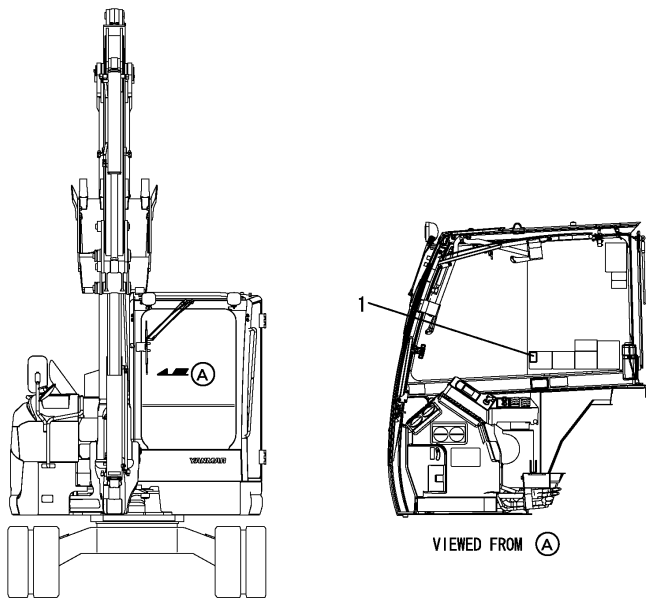
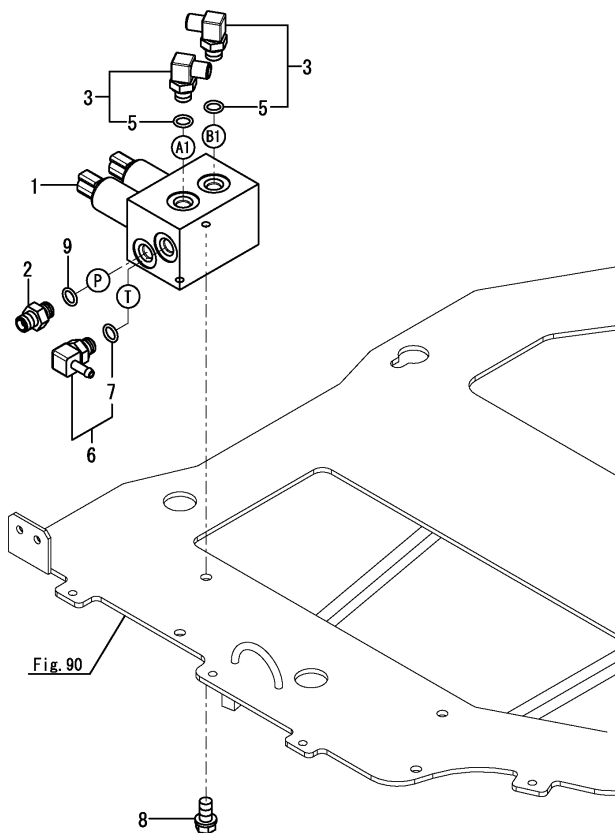
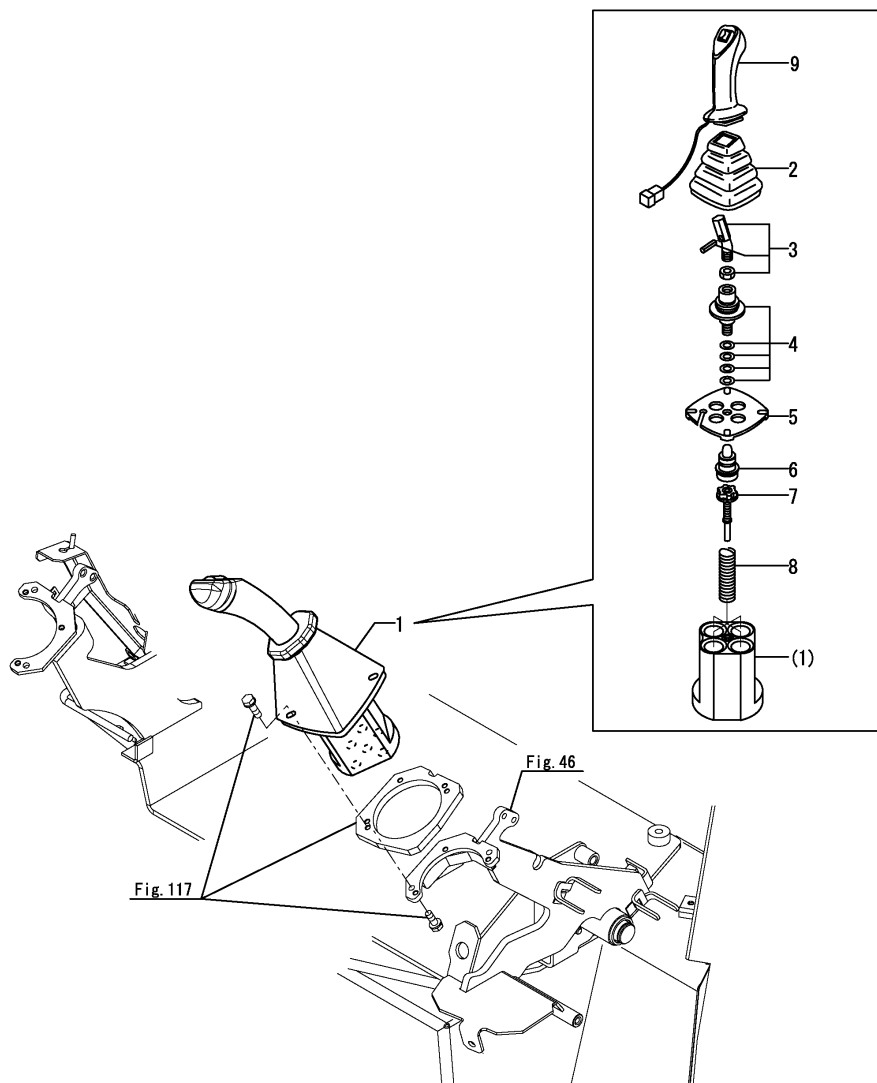
[illegible]

Fig.157. P.T.O.2 KIT(ARM END)(OPTIONAL)(3/7)



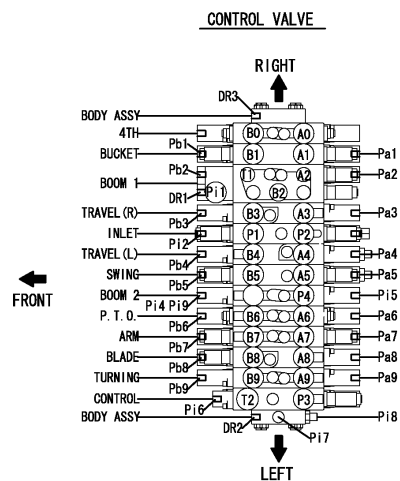
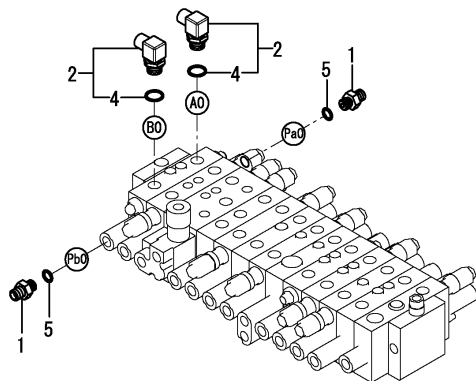
No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(KR)		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)=		
1	2	172B11-74410	VALVE ASSY, PTO			1					
2	2	172123-76121	ADAPTER, M/M PF1/4			1					
3	2	172141-76181	CONNECTOR ASSY, 02FF			2					
5	3	41851-000110	O-RING, P11.0 HNBR			2					
6	2	172186-76430	NIPPLE, ELBOW PF1/4								
7	3	24315-000110	O-RING, 1BP11.0			1					
8	2	26013-080162	BOLT, M8X 16			2					
9	2	41851-000110	O-RING, P11.0 HNBR			1					

Fig.158. P.T.O.2 KIT(ARM END)(OPTIONAL)(4/7)



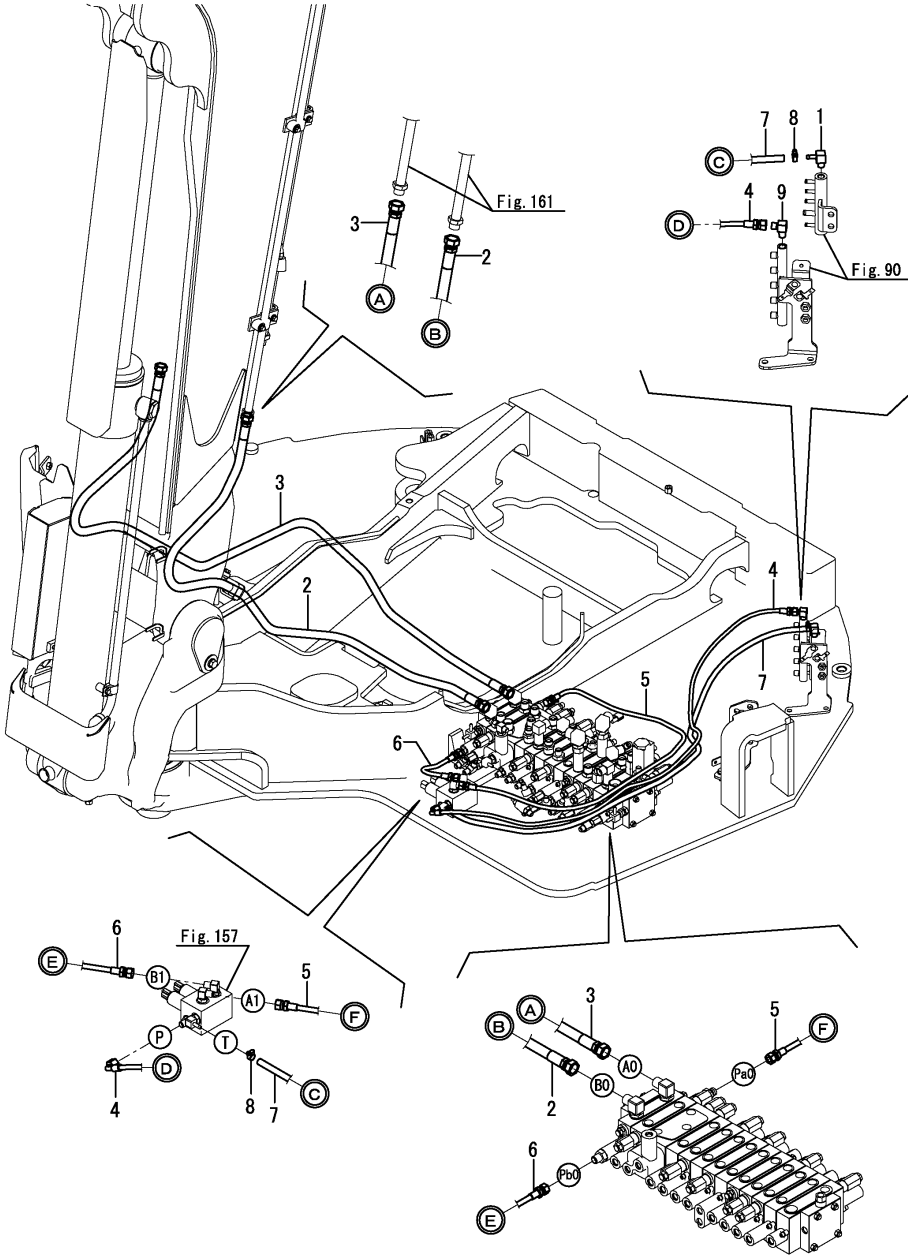
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	2	172B11-74900	VALVE ASSY, L	1					
2	3	172441-74030	BOOT, RUBBER	1					
3	3	172441-74040	LEVER KIT	1					
4	3	172463-74530	JOINT KIT	1					
5	3	172463-74540	PLATE, RETAINING	1					
6	3	172463-74551	PLUNGER KIT	1					
7	3	172463-74561	REGULATION KIT	4					
8	3	172463-74570	SPRING KIT	1					
9	3	172B11-74910	HANDLE ASSY	1					

Fig.159. P.T.O.2 KIT(ARM END)(OPTIONAL)(5/7)



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(KR)		(D)=		(E)=		I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172123-76121	ADAPTER, M/M PF1/4	2							
2	2	172141-76900	CONNECTOR ASSY, 1/2L	2							
4	3	24315-000180	O-RING, 1BP18.0	2							
5	2	41851-000110	O-RING, P11.0 HNBR	2							

Fig.160. P.T.O.2 KIT(ARM END)(OPTIONAL)(6/7)

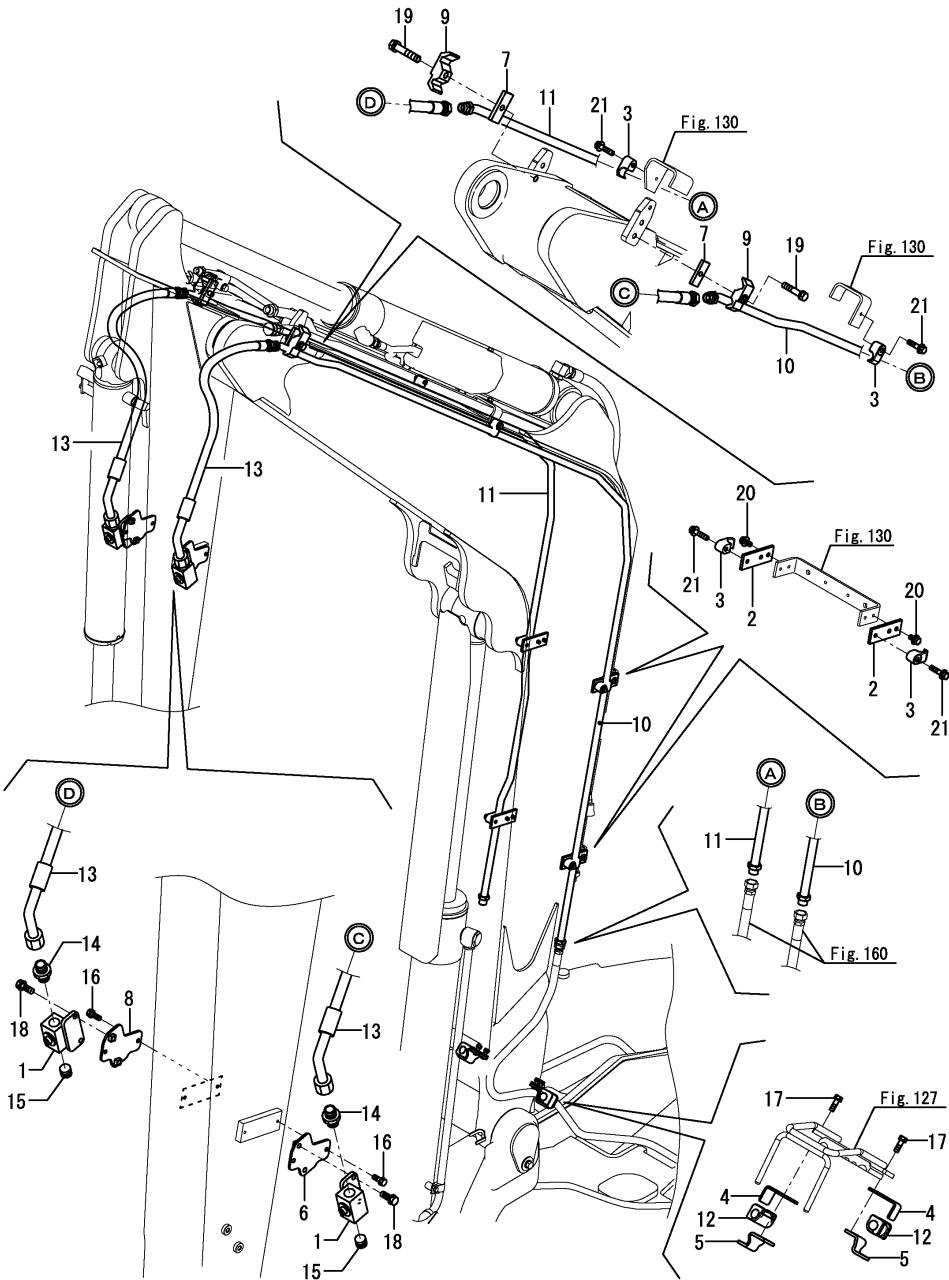


(A)=VIO80-1A C(KR)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172186-76390	NIPPLE, ELBOW 1/4	1							
2	2	172B11-79940	HOSE, H108BB238K	1							
3	2	172B11-79950	HOSE, H108BB238K	1							
4	2	172B11-79960	HOSE, F403BC150	1							
5	2	172B11-79970	HOSE, F403BB140	1							
6	2	172B11-79980	HOSE, H603BB027	1							
7	2	172B11-79990	HOSE, G604YY147	1							
8	2	23000-013000	CLAMP, 13	2							
9	2	23393-020000	JOINT, 90RGI-1/4	1							

Fig.161. P.T.O.2 KIT(ARM END)(OPTIONAL)(7/7)



(A)=VIO80-1A C(KR)
(B)=
(C)=

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

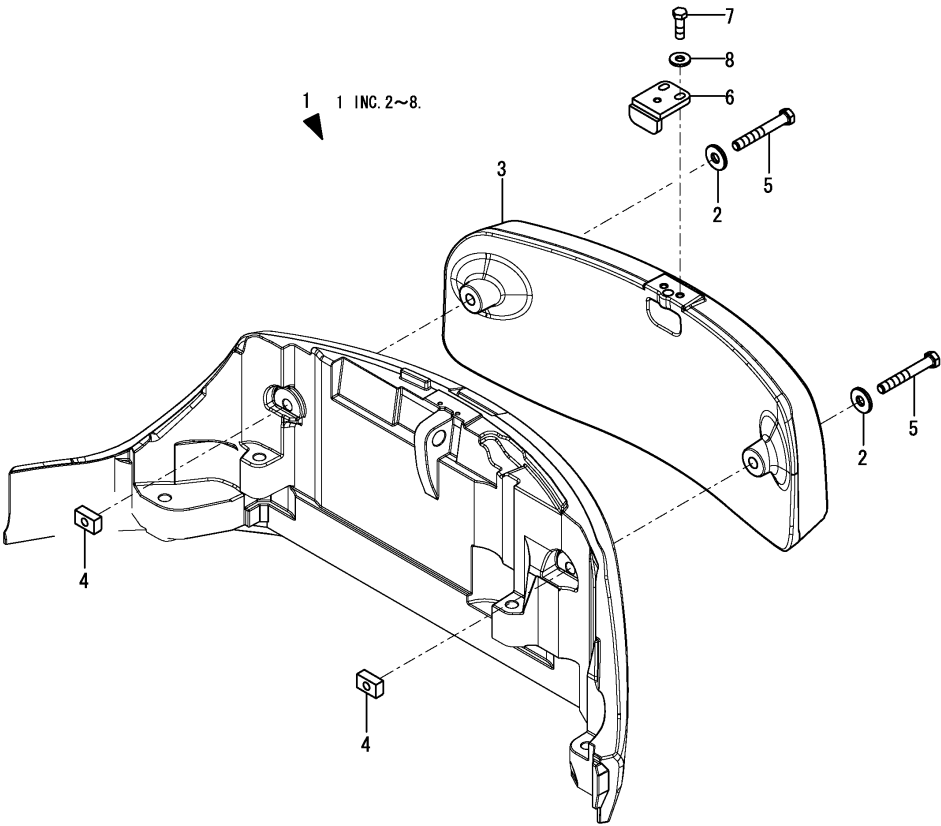
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172183-74822-Y	VALVE ASSY, STOP 08	2							
1-1	2	172B11-74700	VALVE ASSY,STOP R1/2	2							N
(A=MAG004)											
2	2	172B11-76520	PLATE, CLAMP PTO2	4							
3	2	172B11-76550	CLAMP, 1/2	6							
4	2	172B11-76560	CLAMP, A PTO2	2							
5	2	172B11-76570	CLAMP, B PTO2	2							
6	2	172B11-76580	PLATE ASSY, VALVE L	1							
7	2	172175-76590-Y	PLATE, SPACER	2							
8	2	172B11-76600	PLATE ASSY, VALVE R	1							
9	2	172125-76900-2	CLAMP	2							
10	2	172B11-77900	TUBE ASSY, PTO2 L	1							
11	2	172B11-77930	TUBE ASSY, PTO2 R	1							
12	2	172187-78100	RUBBER, HOSE CLAMP A	2							
13	2	172B11-79930	HOSE, H108BE095W	2							
14	2	23391-040000	JOINT, RGI-1/2	2							
15	2	23871-040000	PLUG, R04	2							
16	2	26013-080202	BOLT, M8X 20	4							
17	2	26013-080252	BOLT, M8X 25	4							
18	2	26013-100252	BOLT, M10X 25	4							
19	2	26013-120602	BOLT, M12X 60	2							
20	2	26014-080162	BOLT, M8X 16	8							
21	2	26014-080352	BOLT, M8X 35	6							

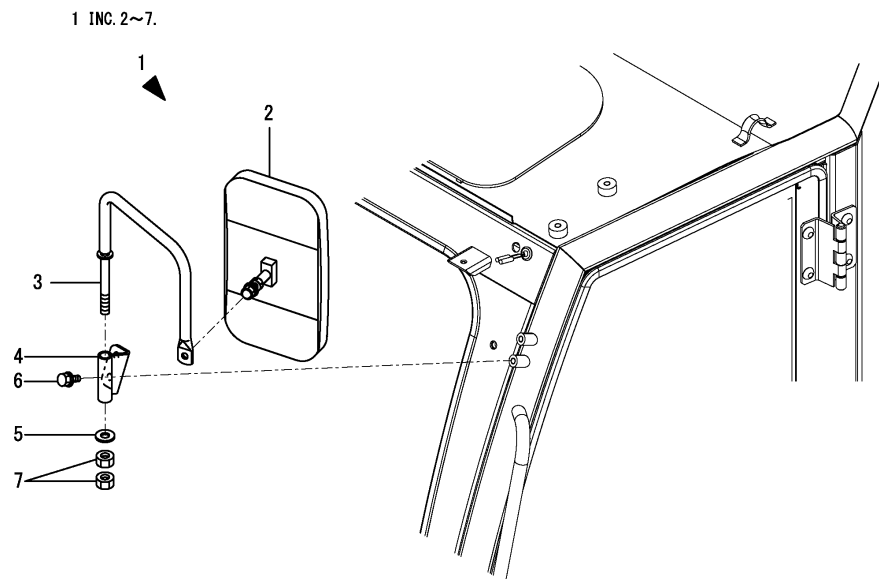
Fig.162. ADDITIONAL WEIGHT KIT(OPTIONAL)

(A)=VIO80-1A C(KR)
(B)=
(C)=

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

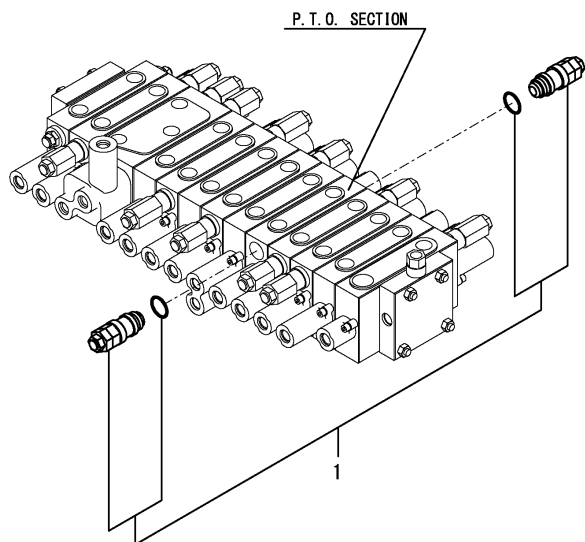
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-08900	WEIGHT SET, ADD	1							
2	2	172187-53321	WASHER, 24.5X65X8	2							
3	2	172A89-53320	WEIGHT, ADD	1							
4	2	172A46-53360	NUT, M24	2							
5	2	172A48-53371	BOLT, M24X170	2							
6	2	172A48-53380	BRACKET ASSY, WEIGHT	1							
7	2	26116-160502	BOLT, M16X 50 PLATED	2							
8	2	933147-08501	WASHER, WHEEL SHAFT	2							





No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B12-06700	MIRROR KIT, SIDE L	1							
2	2	1W3855-50160	MIRROR ASSY,REARVIEW	1							
3	2	172B12-68500	STAY ASSY, MIRROR L	1							
4	2	172B12-68550	BRACKET ASSY, MIRROR	1							
5	2	22137-140000	WASHER, 14	1							
6	2	26014-100202	BOLT, M10X 20	2							
7	2	26736-140002	NUT, M14	2							

Fig.178. P.T.O. OVER LOAD VALVE KIT(OPTIONAL)

[illegible]

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119160-12530	7	2
119160-12540	7	3
119160-12560	7	4
119160-12570	7	5
121250-49121	10	3
121256-44600	12	8
121450-44531	12	3
121470-44581	12	5
124450-44550	12	7
124450-44560	12	4
124766-59050	6	9
		9 -1
	10	32
	13	30
128300-77920	75	22
129107-44590	10	8
129242-55740	14	31
129466-96240	33	24
129612-12650	7	6
129612-52100	14	22
129927-44900	120	2
129927-77900	22	29
129927-77910	22	30
129A00-55720	14	29
129A00-55730	14	30
129A00-55740	14	32
129A00-55750	14	26
129A00-55760	14	27
129A00-55770	14	33
129E00-55710	14	25
129E22-55700	14	24
171064-44510	12	1
172020-10620	146	5
172110-76170-5	133	3
172112-16201	19	2
172112-16650	9	12
172112-74971	120	6
172112-75770	120	20
172112-75780	120	21
172112-77361	92	38
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	123	23
	124	26
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	109	3
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	165	25
	166	3
	167	3
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		11
	168	3
	169	15
	170	19
	171	3
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172122-17190	65	1
		33
	89	1
172122-37844	40	7
172122-55061	14	23
172122-70260	98	24
172122-70410	98	26
172122-70530	98	28
172122-79890	7	11
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172123-76121	112	24
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	116	9
	117	20
	118	34
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	123	3
	125	4
		5
	126	1
	128	2
	129	6
	150	2
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172124-46200	46	6
	145	2
172124-65480	69	18
172124-70030	92	2
172124-70380	98	43
172125-03951	2	13
172125-76900-2	154	7
	161	9
172126-11510	20	1
	22	1
	31	1
	33	1
	34	1
	133	17
	136	1
	182	1
172126-16540	17	12
	34	3
172137-13400	13	2
172137-14282	9	11
172137-16560	17	13
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		15
		16
	28	2
	33	2
		3
	123	28
	134	1
		2
	139	1
172137-46042	9	13
172137-46210	23	18
172137-66230	15	9
172137-69850	29	14
	30	29
	64	7
	86	7 -1
172137-75570	154	1
172137-76110	123	2
172137-76580	133	7
172141-17150	29	2
172141-17211	28	5
172141-41370	46	3
172141-72250	96	2
172141-76181	112	25
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	125	8
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	150	3
	157	3
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	152	2
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	173	37
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172141-76920	123	20
172142-16550	15	8
		8 -1
172142-62301	11	25
	56	20
172142-72260	96	3
172142-72951	96	19
172142-76181	181	47
172142-76240	131	10
172142-76940-Y	132	6
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172142-76950-N	130	20
172142-76950-Y	130	13
172146-78150	11	26
172147-70500	98	27
172147-76271	124	19
172148-70301	98	25
172151-71630	96	12
172151-74060	103	9
	104	5
	105	7
	106	5
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172151-76200	124	16
172155-11120	123	1
172155-45790	91	1
	142	1
	143	2
	146	1
	180	1
172156-65690	68	11
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172162-15310	70	3
172162-17400	28	4
172162-37770	40	5
172162-37800	40	6
172162-37810	37	15
172162-57660	53	5
172162-61330	65	10
172162-61500	58	1
172162-61770	91	2
	180	2
172162-62540	30	26
172162-68370	48	4 -1
172162-70150	98	19
172162-70290	98	3
172162-70310	98	4
172162-70320	98	5
172162-70590	98	29
172162-70820	98	31
172162-72930	92	32
172162-72950	92	33
172162-73700	120	3
172162-76131	121	7
172162-76181	125	11
172162-76320	123	16
172162-81060	146	6
172162-81430	142	5
172162-82280	143	7
172162-82350	143	8
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172162-83580	142	14
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172162-94270	146	8
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172164-66800	11	23
172164-76330	125	22
172164-76700	125	23
172164-81670	143	9
172165-13220	9	10
172165-47550	46	12
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172168-76170	127	1
172168-76370	127	4
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172183-74822-Y	161	1
172183-76200	119	22
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172183-81160	127	22
172186-14150	13	22
172186-76390	153	1
	160	1
172186-76430	114	6
	115	12
	150	6
	157	6
172187-03941	1	16
	176	16
172187-14510	13	28
172187-16110	19	1
172187-16600	17	17
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172187-45651	47	1
172187-45720-2	47	2
172187-45760	47	3
172187-45870	43	3
172187-45880	43	4
172187-50801-3	50	1
172187-50811-3	50	2
172187-53321	51	8
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172187-74550	103	29
	108	36
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	170	36
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172187-74690	105	23
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172187-75340-2	120	9
172187-75500	120	13
172187-76131	123	4
172187-76141	123	7
172187-76170	124	14
172187-76180	127	3
172187-76200	124	17
172187-76520	130	10
172187-76570-Y	132	3
172187-76690-Y	132	5
172187-76940	130	12
172187-78100	127	15
	130	27
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	161	12
172187-78201	129	15
172187-78211	129	16
172187-79250	132	12
172187-81710	143	6
172187-81801	91	39
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172187-81840	142	7
172187-81861	143	12
172187-81970	94	34
	142	10
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172187-82330	141	5
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172422-76100	121	1
172422-76140	113	25
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172437-03302	3	14
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172437-03343	3	16
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172437-03352	1	6
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172437-03361	2	11
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172437-03551	3	24
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172441-74030	117	3
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	151	2
	158	2
172441-74040	117	4
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	151	3
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172444-13210	10	1
172444-13220	10	2
172444-14270	13	27
172444-17620	65	6
172444-17660	130	1
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172444-61320	34	10
172444-65190	69	12
172445-68650	22	28
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172446-14250	14	2
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172447-14160	13	12
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172455-67940	78	2
172455-69270	84	13
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172455-74030	103	23
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172455-74580	105	41
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172455-74590	105	14
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172455-74600	105	15
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172455-74620	105	16
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172455-74630	105	17
	167	17
172455-74640	105	18
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172455-74650	105	19
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172455-74660	105	20
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172455-74680	105	22
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172455-74720	105	25
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172456-53700	51	10
172458-03240	4	4
172458-14203	13	13
172458-17700	30	2
172458-18850	65	8
172458-50480-2	49	2
172458-61500	10	19
172458-61510	10	20
172458-62430	29	11
	30	27
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	86	6 -1
172458-63730	76	1
	81	2
	84	2
172458-63950	79	2
	80	2
	84	3
172458-63960	79	3
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172463-69240	81	9
172463-69270	75	20
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172472-03141	1	4
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172472-03230	4	3
172472-03241	4	5
172472-03261	4	6
172472-03290	23	2
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172472-03330	4	7
172478-17201	25	2
	26	1
172478-37101	37	3
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172478-37720	40	4
172478-74170	104	6
172478-74180	103	10
	104	7
	105	8
	106	15
	107	3
		18
	108	4
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	109	6
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	110	8
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	168	15
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	15	13
	17	28
	19	6
	59	10
	67	36
	102	2
	113	36
	120	40
	130	29
	131	15
	164	2
26013-100202	7	14
	11	29
		30
	17	29
		30
	29	17
	43	6
	58	5
	72	12
	182	12
	183	6
26013-100252	23	21
	47	7
	54	10
		11
		12
	57	28
		29
	66	4
	68	35
		36
	69	27
	70	9
	71	15
	72	13
	85	3
	90	12
		13
	111	3
	112	28
		29
	118	40
	119	26
	120	41
	132	9
	145	33
	161	18
26013-100302	10	42

Parts No.	Fig. No.	Ref. No.
26013-100302	13	47
		48
		49
	88	2
	121	22
	127	23
26013-100352	73	6
26013-100402	15	14
	130	24
26013-100452	90	14
26013-100502	130	16
	131	16
	145	34
26013-100552	130	17
26013-100702	34	30
26013-100852	30	35
26013-120302	58	6
	94	39
	121	23
	143	21
	146	15
	181	45
26013-120402	99	15
	130	18
26013-120552	132	10
26013-120602	127	24
	154	12
	161	19
26013-120702	132	11
26014-060162	14	43
	22	36
		37
	29	18
	117	22
		23
	182	13
	183	7
26014-060202	27	33
26014-060252	22	38
26014-080162	10	43
	11	31
	16	11
	17	31
	30	36
		37
		38
		39
	34	31
	67	37
	68	17

Parts No.	Fig. No.	Ref. No.
26014-080162	68	18
		28
	133	13
	154	13
	161	20
26014-080202	7	15
	30	40
	55	6
	100	4
26014-080252	33	30
		31
	34	32
	133	14
26014-080302	33	32
26014-080352	154	14
	161	21
26014-080402	33	33
26014-100162	17	32
	68	19
	120	42
26014-100202	11	32
		33
	13	50
	22	39
	34	33
		34
		35
		36
	46	23
	56	28
		29
		30
		31
	57	30
	68	37
	91	44
	95	25
	120	26
		27
		43
	163	6
	174	30
	180	51
26014-100252	11	34
		35
	30	41
	54	13
		14
		15
	67	36 -1

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Parts No.	Fig. No.	Ref. No.
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		29
	70	10
	72	14
		15
	122	2
26014-100302	57	31
26014-120352	132	14
26014-120452	130	18 -1
26014-120552	132	10 -1
		11 -2
26014-120752	132	11 -1
26022-050122	13	33
26022-080162	12	9
26023-060122	17	33
26051-080002	17	34
	22	40
	34	37
	56	32
26076-080202	173	35
	180	40
26076-080252	133	15
26076-100162	91	34
	93	30
26076-100202	97	81
26076-100402	99	9
26076-120302	9	22
26076-160402	73	7
26076-160502	98	73
26076-161302	9	23
26076-200409	38	14
26106-060162	35	6
26106-060202	31	26
26106-060252	31	27
26106-060602	35	7
26106-080162	57	32
	67	34
		35
26106-080252	31	28
26106-100122	49	3
	102	3
	164	3
26106-100162	57	33
	59	11
		12
		13
		14
		15
		16
		17

Parts No.	Fig. No.	Ref. No.
26106-100162	67	21
		22
26106-100202	33	34
	60	5
	61	6
	33	35
26106-100352	6	6
26116-050202	29	19
26116-080202	145	35
26116-080952	14	44
26116-100202	91	45
	180	52
26116-121402	91	46
	180	53
26116-140252	133	34
	142	20
		21
26116-140352	91	47
	94	40
	142	22
	143	22
	146	16
	180	54
	181	46
26116-140602	37	17
26116-160352	9	24
	120	44
26116-160402	50	5
26116-160502	162	7
26116-160852	39	12
26116-161202	144	17
	145	36
		37
26116-180552	89	117
26347-080002	68	20
26347-100002	56	33
	68	21
	69	30
	35	8
26366-060002	6	7 -1
26366-100002	57	34
	13	51
26367-100002	113	21 -1
26450-050102	115	7
	113	21
26450-050122	116	8
26450-050202	113	22
26450-060202	89	109
26450-060302	96	33
	98	68

Parts No.	Fig. No.	Ref. No.
26450-060502	118	32
26450-080162	66	5
	67	38
	118	33
26450-080202	98	69
26450-080252	89	110
26450-120302	97	82
26450-120402	89	111
		112
26450-140402	98	70
		71
26559-050202	67	23
26577-050122	71	16
26587-040122	43	7
26617-100002	89	113
26716-080002	17	35
	19	7
26716-100002	6	7
	120	28
26716-120002	91	48
	180	55
26716-160002	39	13
	144	18
	145	38
		39
26716-180002	141	11
26716-200002	73	8
26736-100002	113	23
26736-140002	163	7
26756-100002	145	40
26756-160002	89	76
26776-180002	22	41
26979-100122	173	36
	174	28
	180	41
	181	37
41851-000110	25	6
	112	23
		27
		30
	113	27
		30
		33
		37
	114	5
		9
	115	9
		15
	116	12
		16

Parts No.	Fig. No.	Ref. No.
41851-000110	117	24
	118	37
		39
		41
	119	27
	121	16
		24
	123	15
		25
	125	3
		10
		13
		15
		18
		20
		26
	126	9
		10
	128	9
	129	5
		11
	150	5
		9
	152	5
	157	5
		9
	159	5
41851-000140	113	38
	121	25
	123	10
	128	5
		10
	129	12
		13
41851-000180	92	39
	100	5
	121	26
	123	26
	124	13
		29
	126	3
	129	14
41851-000240	121	4
	124	30
	131	17
772162-37770	40	1
772478-37101-2	37	2
772478-37120-1	37	1
772A69-14100	13	1
772B11-75100	120	1

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Parts No.	Fig. No.	Ref. No.
933147-03400	91	49
	180	56
933147-08501	162	8
933160-01370	121	27
	124	31
933168-14170	91	50
	180	57
933168-55770	78	9
933171-13691	37	13
	38	12
	39	7
933172-14120	73	9

Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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0CB10-M81000EN

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.

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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.
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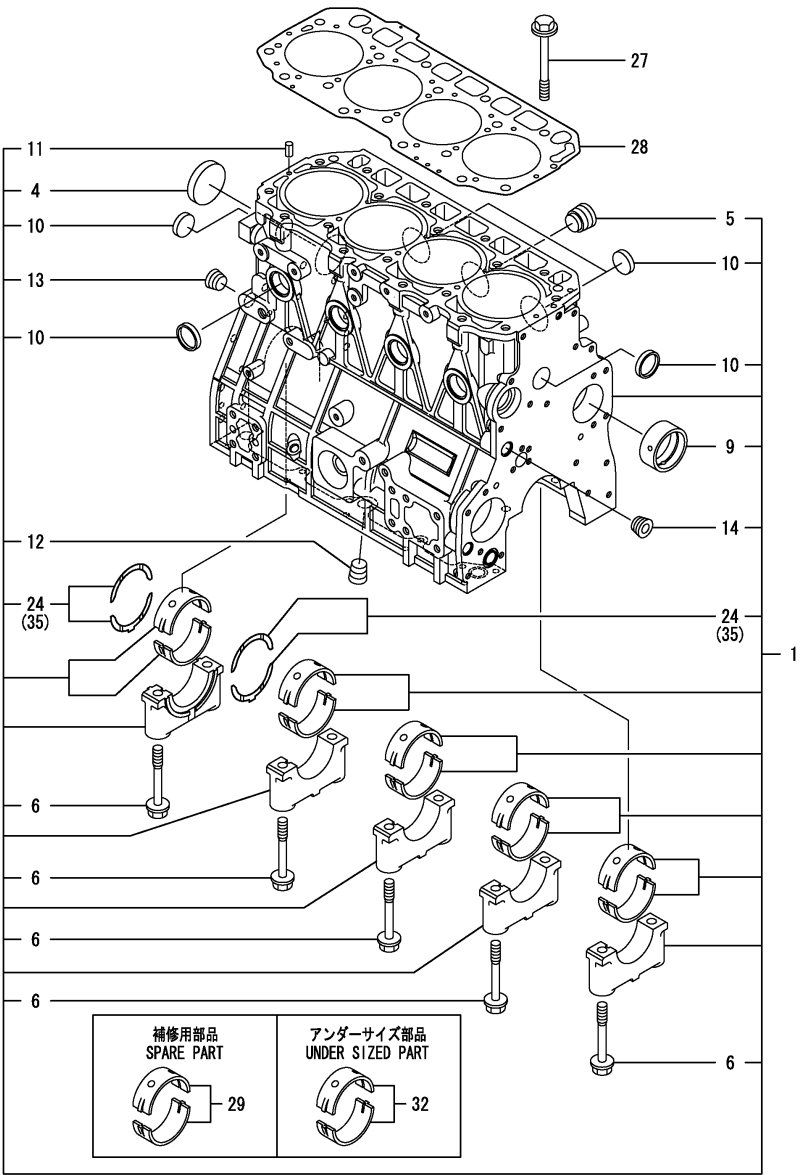
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Fig. No.	Fig. Name	Fig. No.	Fig. Name
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2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	DIESEL PARTICULATE FILTER(DPF)		
8.	CAMSHAFT & DRIVING GEAR		
9.	CRANKSHAFT & PISTON		
10.	LUB. OIL SYSTEM		
11.	COOLING WATER SYSTEM		
12.	FUEL SUPPLY PUMP		
13.	FUEL INJECTION VALVE		
14.	FUEL PIPE		
15.	STARTER MOTOR		
16.	GENERATOR		
17.	ELECTRONIC CONTROL UNIT(ECU)		
18.	ELECTRIC PARTS		
19.	GASKET SET		

Fig.1. CYLINDER BLOCK

(A)=4TNV98C-WBV
(B)=
(C)=

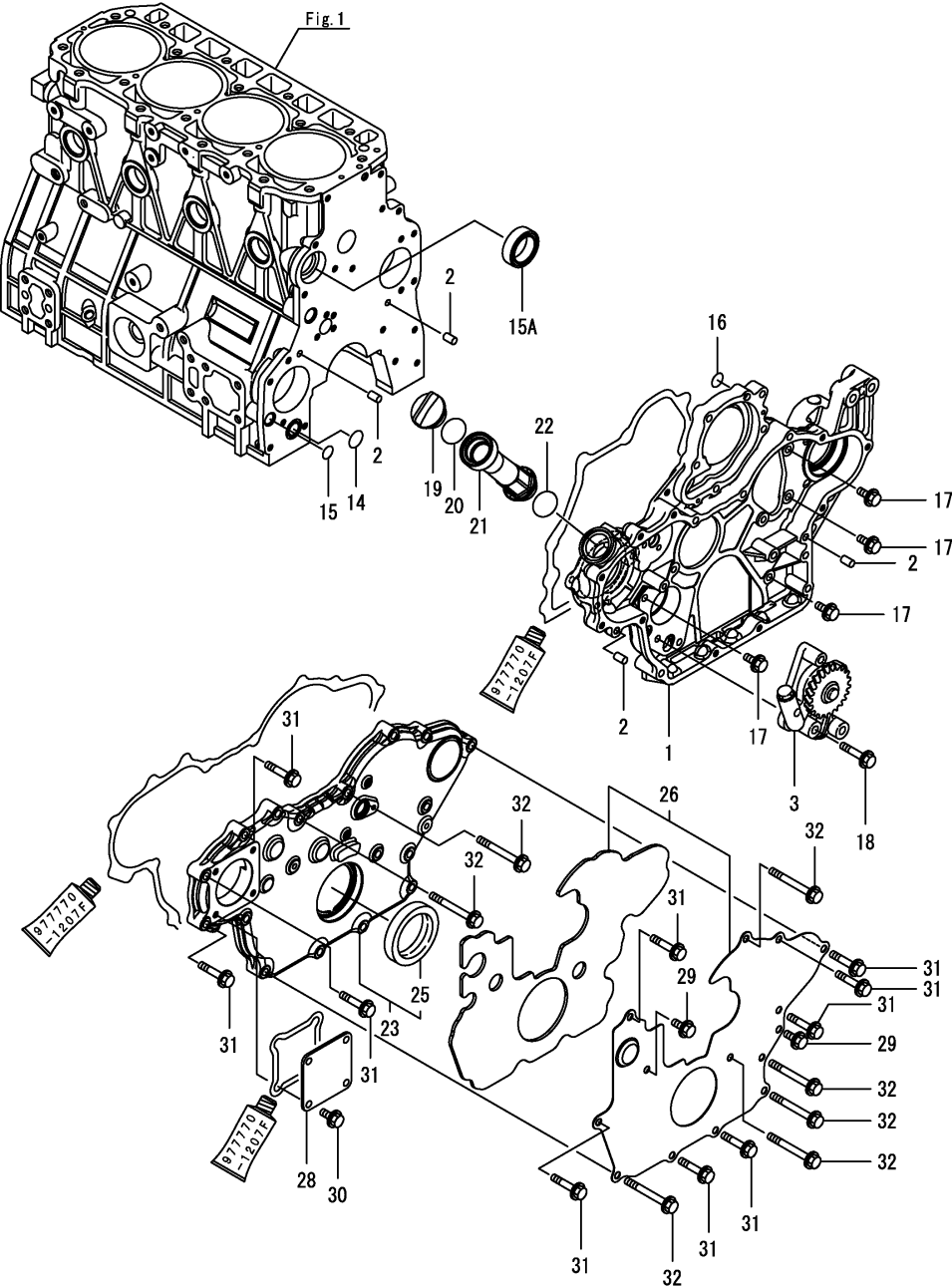
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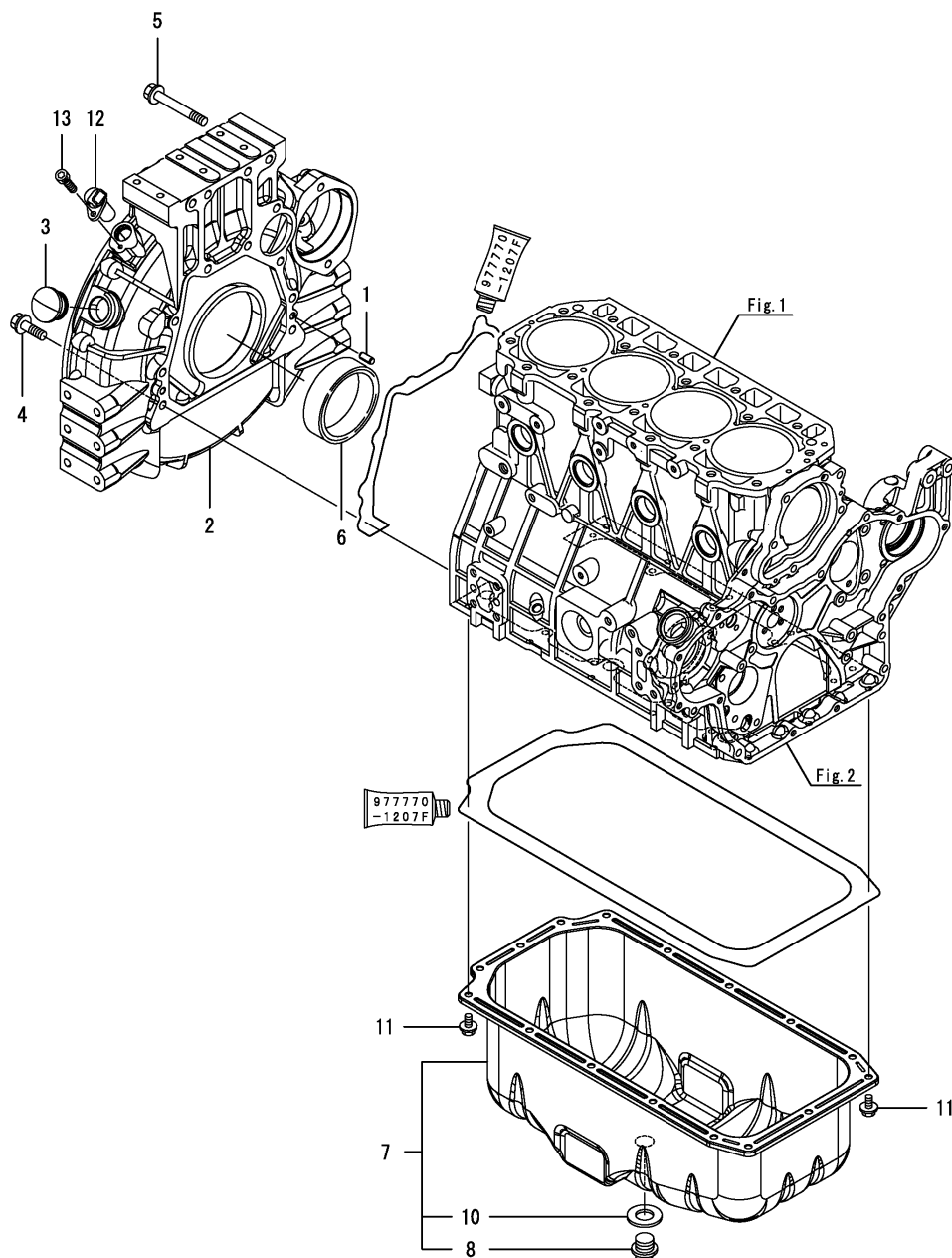
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E00-01570	BLOCK ASSY, CYLINDER	1							
4	2	129900-01250	PLUG, DISH TYPE 55	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	129900-02020	BOLT, METAL CAP	10							
9	2	129900-02410	BUSH, CAMSHAFT	1							
10	2	27241-300000	PLUG 30	8							
11	2	22351-060012	PIN, SPRING 6.0X12	2							
12	2	23876-030000	PLUG, R03	1							
13	2	23876-030000	PLUG, R03	1							
14	2	23876-030000	PLUG, R03	1							
24	2	129900-02931	BEARING ASSY, THRUST	2							
27	1	129900-01200	BOLT, CYLINDER HEAD	18							
28	1	129E00-01330	GASKET, CYL. HEAD	1							
29	1	729900-02801	BEARING, MAIN	5							1
32	1	129900-02341	BEARING ASSY, MAIN	5							2
35	1	129900-02941	BEARING, THRUST 0.25	2							3

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

Fig.2. GEAR HOUSING

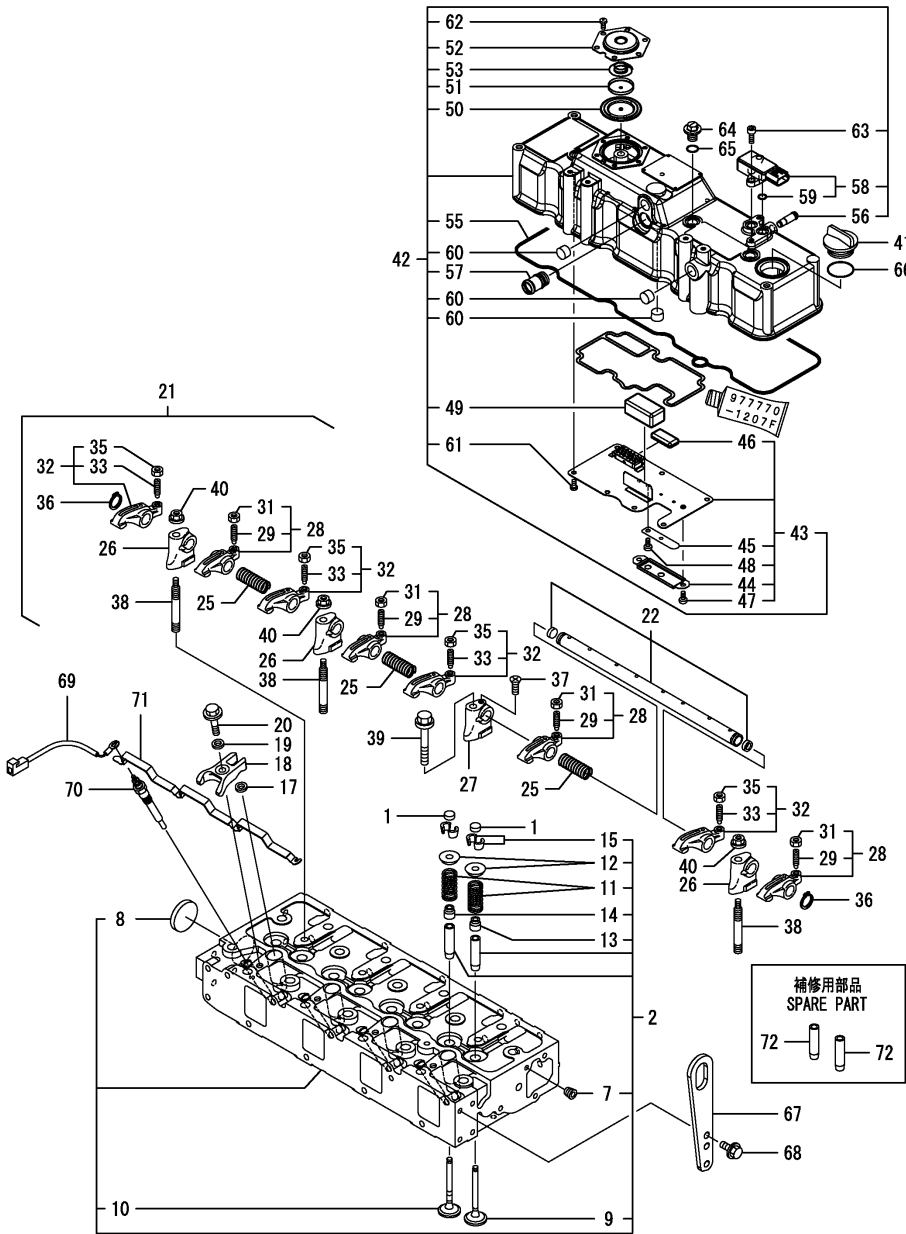


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E00-01500	CASE, GEAR	1							
2	1	129100-01580	PIN, PARALLEL 8X16	4							
3	1	129900-32001	PUMP ASSY, OIL	1							
14	1	129900-32030	O-RING, P20	1							
15	1	129900-32040	O-RING, P14	1							
15A	1	129927-42140	GASKET, PUMP OUTLET	1							W
(A=E09747)											
16	1	24311-000070	O-RING, 1AP7.0	1							
17	1	26106-080162	BOLT, M8X 16 PLATED	4							
18	1	26106-080452	BOLT, M8X 45 PLATED	3							
19	1	124160-01751	CAP, FILLER	1							
20	1	24311-000320	O-RING, 1AP32.0	1							
21	1	121027-11743	PIPE	1							
22	1	24311-000320	O-RING, 1AP32.0	1							
23	1	129E00-01580	COVER ASSY, GEARCASE	1							
25	2	129916-01800	SEAL, OIL	1							
26	1	129E00-01850	COVER ASSY,GEARCASE	1							
28	1	124240-01871	COVER, PUMP	1							
29	1	26106-080162	BOLT, M8X 16 PLATED	2							
30	1	26106-080162	BOLT, M8X 16 PLATED	4							
31	1	26106-080402	BOLT, M8X 40 PLATED	10							
32	1	26106-080702	BOLT, M8X 70 PLATED	7							



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	129E20-01620	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100352	BOLT, M10X 35 PLATED	9							
5	1	26206-100952	BOLT, M10X 95 PLATED	4							
6	1	129916-01790	SEAL, D115/95XT11	1							
7	1	129916-01710	OIL PAN ASSY	1							
8	2	119640-01640	PLUG, DRAIN M22	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	1	26106-080122	BOLT, M8X 12 PLATED	16							
12	1	129A00-21710	SENSOR, FLYWHEEL REV	1							
13	1	26450-060162	BOLT, M6X 16	1							

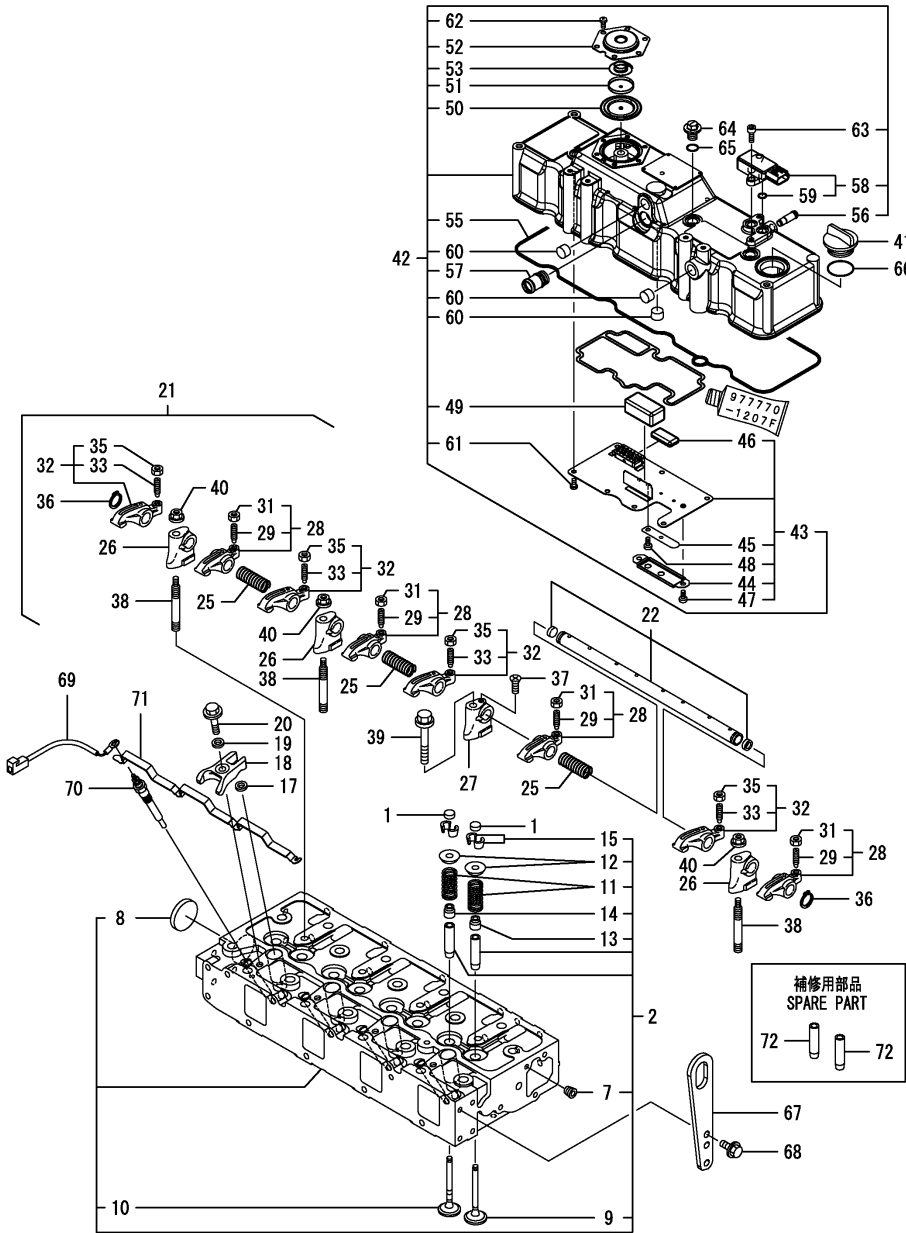
Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-11370	CAP, VALVE	8							
2	1	129E00-11710	HEAD ASSY, CYLINDER	1							
2-1	1	129E00-11720	HEAD ASSY, CYLINDER	1							N
(A=E30143)											
2-2	1	129E20-11700	HEAD ASSY, CYLINDER	1							N
(A=EF8220)											
7	2	23876-005000	PLUG, R005	1							
8	2	27241-400000	PLUG, 40	1							
9	2	129900-11100	VALVE, INTAKE	4							
9-1	2	129E00-11100	VALVE, INTAKE	4							N
(A=E30143)											
10	2	129900-11110	VALVE, EXHAUST	4							
11	2	129900-11120	SPRING, VALVE	8							
12	2	129795-11180	RETAINER, SPRING	8							
13	2	124460-11340	SEAL, VALVE STEM	4							
14	2	129A00-11340	SEAL, VALVE STEM	4							
15	2	27310-080001	COTTER, 8	8							
17	1	129978-11871	GASKET, INJECTOR	4							
18	1	129E00-11900	RETAINER, INJECTOR	4							
19	1	120270-54410	WASHER, INJECTOR	4							
20	1	26106-080352	BOLT, M8X 35 PLATED	4							
21	1	129900-11200	SUPPORT ASSY, ROCKER	1							
22	2	129900-11240	SHAFT ASSY, ROCKER	1							
25	2	129900-11280	SPRING, SHAFT	3							
26	2	129900-11510	SUPPORT, ROCKER A	3							
27	2	129900-11520	SUPPORT, ROCKER B	1							
28	2	129900-11650	ARM ASSY, ROCKER INT	4							
29	3	129150-11230	SCREW, VALVE ADJUST	4							
31	3	129150-11750	NUT, M8XP1.0	4							
32	2	129900-11660	ARM ASSY, ROCKER EXH	4							
33	3	129150-11230	SCREW, VALVE ADJUST	4							
35	3	129150-11750	NUT, M8XP1.0	4							
36	2	22242-000180	RING, 18	2							
37	2	26577-040162	SCREW, M4X16	1							
38	1	129900-11530	BOLT, SUPPORT	3							
39	1	26106-100652	BOLT, M10X 65 PLATED	1							
40	1	26306-100002	NUT, M10	3							
41	1	124160-01751	CAP, FILLER	1							
42	1	129E00-11350	BONNET ASSY, HEAD	1							
43	2	129E00-03010	PLATE, BAFFLE	1							
44	3	129E00-03020	COVER, PLATE SPRING	1							
45	3	129978-03030	SPRING, PLATE	1							
46	3	129907-03061	BAFFLE, BREATHER	1							
47	3	26557-050082	SCREW, M5X 8	2							
48	3	26587-050102	SCREW, M5X10	1							
49	2	129907-03070	BAFFLE, BREATHER	1							
50	2	123907-03100	DIAPHRAGM, BREATHER	1							
51	2	123907-03110	PLATE, CENTER	1							
52	2	123907-03120	PLATE, BREATHER	1							
53	2	123907-03140	SPRING, DIAPHRAGM	1							
55	2	129E00-11310	GASKET, BONNET	1							

Fig.4. CYLINDER HEAD & BONNET



(A)=4TNV98C-WBV
(B)=
(C)=

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

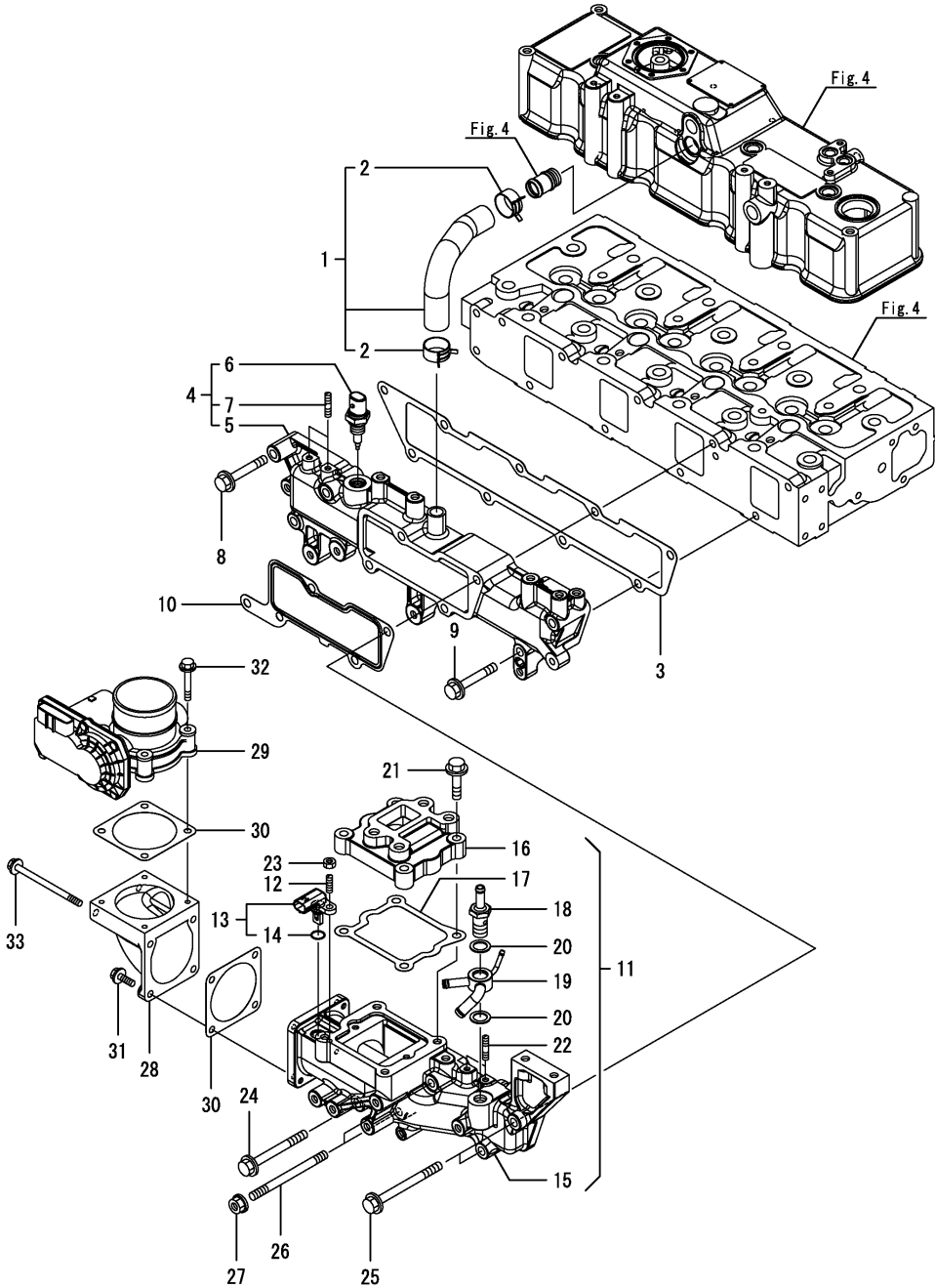
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
56	2	129A00-11330	JOINT	1							
57	2	129001-11340	PIPE, BREATHER	1							
58	2	129A00-12703	SENSOR,PRESSURE	1							
59	3	129A00-12780	O-RING, EGR SENSOR	2							
60	2	119640-61400	PLUG	3							
61	2	22857-500100	SCREW, 5X10	7							
62	2	22857-500100	SCREW, 5X10	6							
63	2	26450-060162	BOLT, M6X 16	2							
64	1	124160-11360	KNOB, BONNET	3							
65	1	24311-000120	O-RING, 1AP12.0	3							
66	1	24311-000320	O-RING, 1AP32.0	1							
67	1	129900-07900	LIFTER, ENGINE	1							
68	1	26106-080162	BOLT, M8X 16 PLATED	2							
69	1	119803-77830	HARNES, WIRE	1							
70	1	129008-77800	PLUG, GLOW	4							
71	1	129E00-77820	CONNECTOR, GLOW PLUG	1							
72	1	129150-11810	GUIDE, VALVE	8							1

Remarks
(1)Spare parts.

Fig.5. SUCTION MANIFOLD

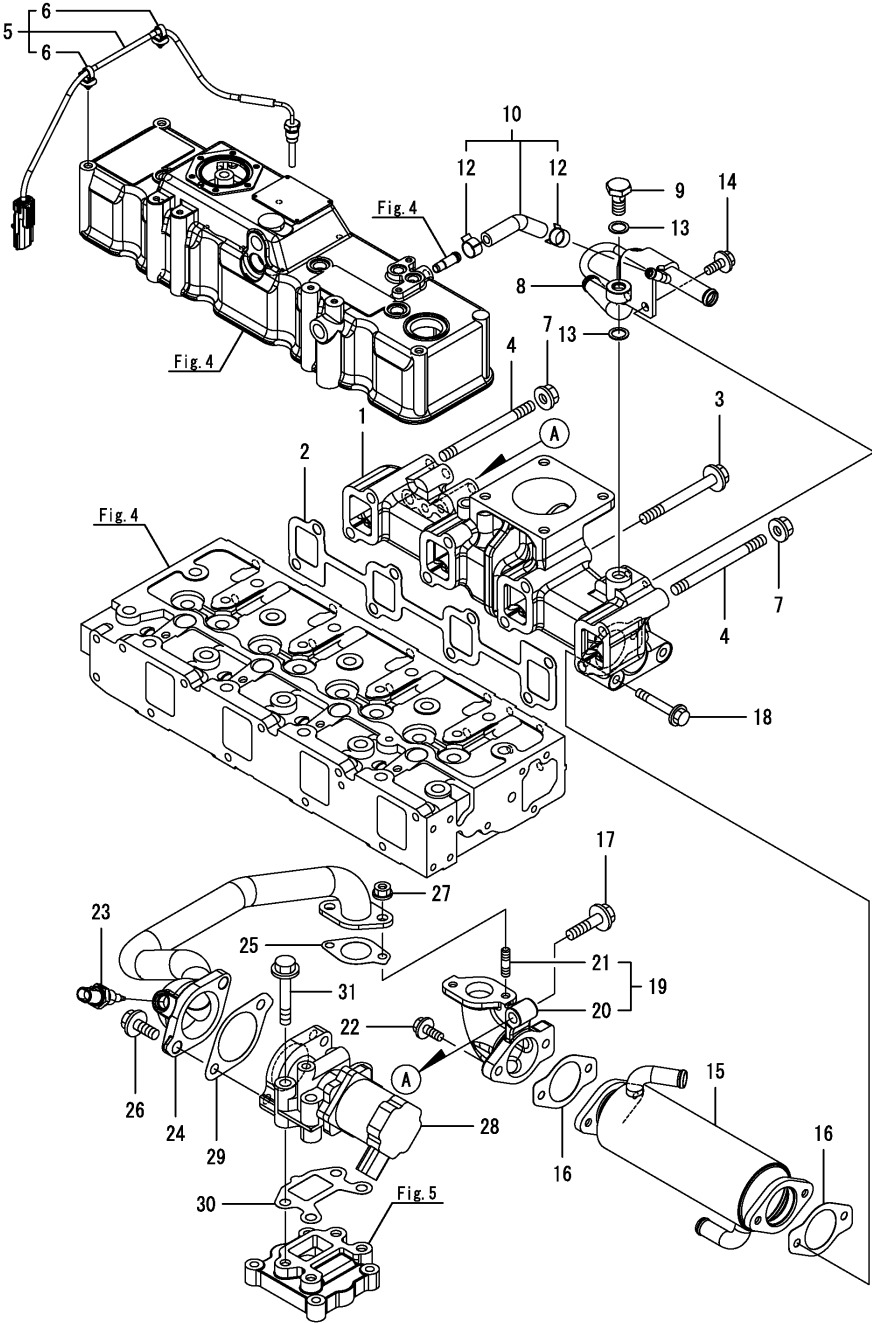
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(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129005-03080	HOSE ASSY, BREATHER	1							
2	2	129410-03990	CLAMP, HOSE 21.5	2							
3	1	129E00-12110	GASKET, MANIFOLD	1							
4	1	129E00-12151	MANIFOLD ASSY,INTAKE	1							
5	2	129E00-12101	MANIFOLD, AIR INTAKE	1							
6	2	129A00-12720	SENSOR,AIR TEMP	1							
7	2	26216-060202	STUD, M6X 20	2							
8	1	26106-080452	BOLT, M8X 45 PLATED	1							
9	1	26106-080552	BOLT, M8X 55 PLATED	4							
10	1	129E00-12810	GASKET, COLLECTOR	1							
11	1	129E00-12850	COLLECTOR ASSY	1							
12	2	119660-01570	BOLT, STUD M6X12	1							
13	2	129A00-12711	SENSOR,AIR TEMP	1							
14	3	129A00-12790	O-RING,TEMP SENSOR	1							
15	2	129E00-12800	COLLECTOR	1							
16	2	129E00-13710	SPACER, EGR VALVE	1							
17	2	129E00-13720	GASKET, EGR-V SPACER	1							
18	2	129A00-59110	JOINT, HOSE M14	1							
19	2	129E00-59120	JOINT, HOSE 14	1							
20	2	22190-140002	WASHER, SEAL 14	2							
21	2	26106-080352	BOLT, M8X 35 PLATED	4							
22	2	26216-060202	STUD, M6X 20	2							
23	2	26716-060002	NUT, M6	1							
24	1	26106-080752	BOLT, M8X 75 PLATED	1							
25	1	26106-080902	BOLT, M8X 90 PLATED	2							
26	1	26216-081002	STUD, M8X100	2							
27	1	26306-080002	NUT, M8	2							
28	1	129A00-12820	BEND, INLET	1							
29	1	129A00-12900	THROTTLE BODY(INT	1							
30	1	129A00-12910	GASKET,THROTTLE	2							
31	1	26106-060202	BOLT, M6X 20 PLATED	2							
32	1	26106-060402	BOLT, M6X 40 PLATED	4							
33	1	26106-060902	BOLT, M6X 90 PLATED	2							

Fig.6. EXHAUST MANIFOLD

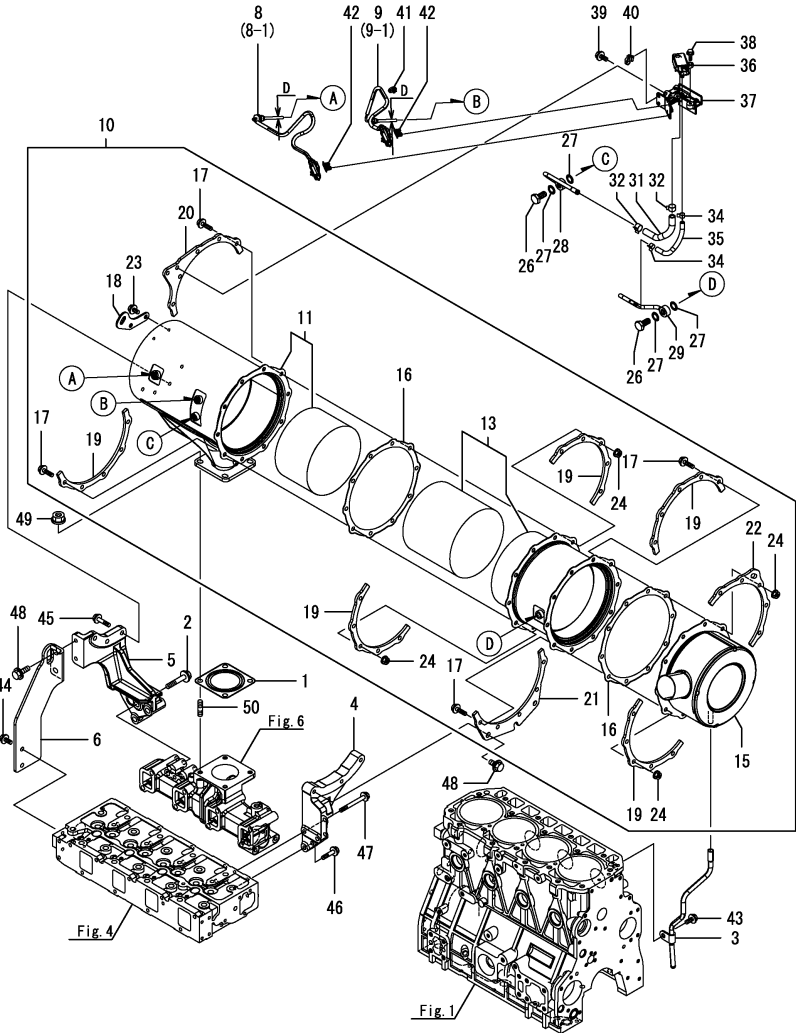


			(A)=4TNV98C-WBV (B)= (C)=	OCB10-M81000 Fig.6							
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E00-13101	MANIFOLD, EXHAUST	1							
2	1	129E00-13110	GASKET, MANIFOLD	1							
3	1	129A00-13620	BOLT, M10X95 10.9T	6							
4	1	129A01-13710	STUD, M10X95 10.9T	2							
5	1	129E00-13770	SENSOR,EXH TEMP.	1							
6	2	129A00-91200	BAND CLIP	2							
7	1	26306-100002	NUT, M10	2							
8	1	129E00-13300	PIPE, EXH PRESSURE	1							
9	1	129A00-13350	BOLT, PIPE JOINT	1							
10	1	129E00-13360	HOSE ASSY, PRES EXH	1							
12	2	129A00-13380	CLIP, HOSE 14	2							
13	1	23414-120000	GASKET, 12X1.0	2							
14	1	26106-080162	BOLT, M8X 16 PLATED	2							
15	1	129E00-13400	COOLER, EGR	1							
16	1	129E00-13410	GASKET, EGR COOLER	2							
17	1	129C01-13600	BOLT, FLANGE M10X40	1							
18	1	129E00-13610	BOLT, M8X50 10.9	2							
19	1	129E00-13851	BEND ASSY, EGR-C OUT	1							
20	2	129E00-13861	BEND, EGR-C OUT	1							
21	2	129418-18320	BOLT, STUD M8X20	2							
22	1	26106-080202	BOLT, M8X 20 PLATED	2							
23	1	129A00-13751	SENSOR,EGR GAS TEMP	1							
24	1	129E00-13800	PIPE ASSY, EGR	1							
25	1	129927-13810	GASKET	1							
26	1	26106-100252	BOLT, M10X 25 PLATED	2							
27	1	26306-080002	NUT, M8	2							
28	1	129E00-13901	VALVE, EGR	1							
29	1	129E00-13910	GASKET, EGR-V IN	1							
30	1	129E00-13920	GASKET, EGR-V OUT	1							
31	1	26106-100602	BOLT, M10X 60 PLATED	4							

Fig.7. DIESEL PARTICULATE FILTER(DPF)

(A)=4TNV98C-WBV
(B)=
(C)=

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



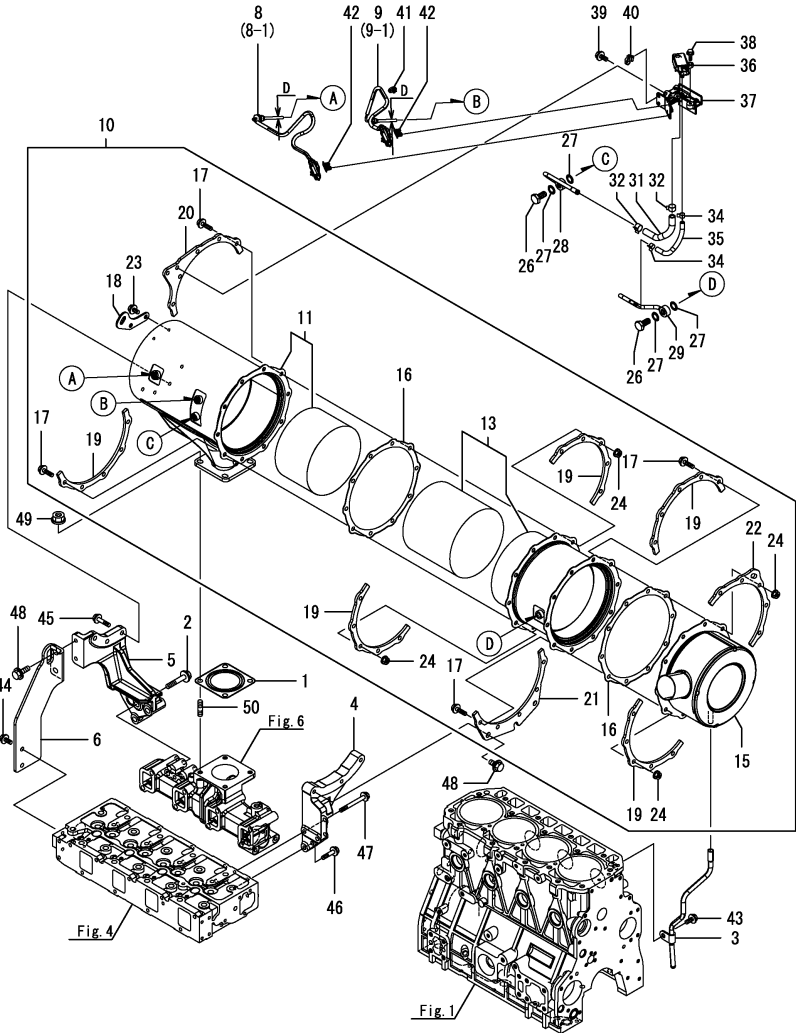
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128300-13230	GASKET, SILENCER	1							
2	1	129E00-13600	BOLT, M10X55 10.9	3							
2-1	1	129E00-13601	BOLT, M10X55 10.9T	3							N
(A=E14244)											
3	1	129E20-13900	PIPE, WATER DRAIN	1							
4	1	129E00-16810	STAY, DPF	1							
5	1	129E00-16820	STAY, DPF	1							
5-1	1	129E20-16830	STAY, DPF	1							
(A=E82826)											
6	1	129E00-16830	STAY, DPF	1							
8	1	129C00-13940	SENSOR, EXH. TEMP.	1							1
8-1	1	129C00-13860	SENSOR, ATD TEMP.DS+	1							F 1
(A=EC3486)											
9	1	129C00-13950	SENSOR, EXH. TEMP.	1							1
9-1	1	129C00-13870	SENSOR, ATD TEMP.DS+	1							F 1
(A=EC3486)											
10	1	129E20-16070	DPF ASSY	1							1
10-1	1	129E20-16071	DPF ASSY	1							N 1
(A=E31722)											
10-2	1	129E20-16072	DPF ASSY	1							N 1
(A=E99893)											
10-3	1	129E20-16150	DPF ASSY	1							N 1
(A=EC3486)											
11	2	129E00-16210	CASE, DOC	1							1
11-1	2	129E00-16220	CASE, DOC	1							N 1
(A=EC3486)											
13	2	129E00-16410	CASE, SOOT FILTER	1							1
15	2	129E20-16560	SILENCER, DPF	1							
15-1	2	129E20-16561	SILENCER, DPF	1							N
(A=E31722)											
15-2	2	129E20-16562	SILENCER, DPF	1							N
(A=E99893)											
16	2	129E00-16600	GASKET, DPF	2							
17	2	129A00-16610	BOLT, M8X28 10.9T	20							
18	2	129C01-16680	LIFTER, DPF	1							
19	2	129C01-16700	STIFFENER, DPF A	5							
20	2	129E00-16700	STIFFENER, DPF C	1							
21	2	129E00-16720	STIFFENER, DPF B	1							
22	2	129C01-16740	STIFFENER, DPF C	1							
23	2	26106-080142	BOLT, M8X 14 PLATED	2							
24	2	26306-080002	NUT, M8	20							
26	1	129A00-13350	BOLT, PIPE JOINT	2							
27	1	129A00-17311	GASKET, SENSOR	4							
28	1	129E00-17310	PIPE ASSY, PRESSURE	1							
29	1	129E00-17360	PIPE ASSY, PRESSURE	1							
31	1	129A00-17510	HOSE, PRES EXH	1							
32	1	129A00-17520	CLIP, HOSE	2							
34	1	129A00-17570	CLIP, HOSE	2							
35	1	129A00-17580	HOSE, PRES EXH	1							
36	1	129A00-17702	SENSOR, PRESSURE	1							1
36-1	1	129978-17700	SENSOR, PRESSURE	1							N 1

Remarks
When replacing these parts, it is necessary to update the ECU.
Please use the designated service tool for the software update.
Please refer to the Service Manual for details.
No.8-1 & 9-1 are interchangeable with a set of No.11-1.
Interchangeability of No.8-1, 9-1 is Serial No.E50281 or previous : F, Serial No.E50282 or following : N.
D=No.8 & 9 : 5.5mm, No.8-1 & 9-1 : 6.5mm.

Fig.7. DIESEL PARTICULATE FILTER(DPF)

(A)=4TNV98C-WBV
(B)=
(C)=

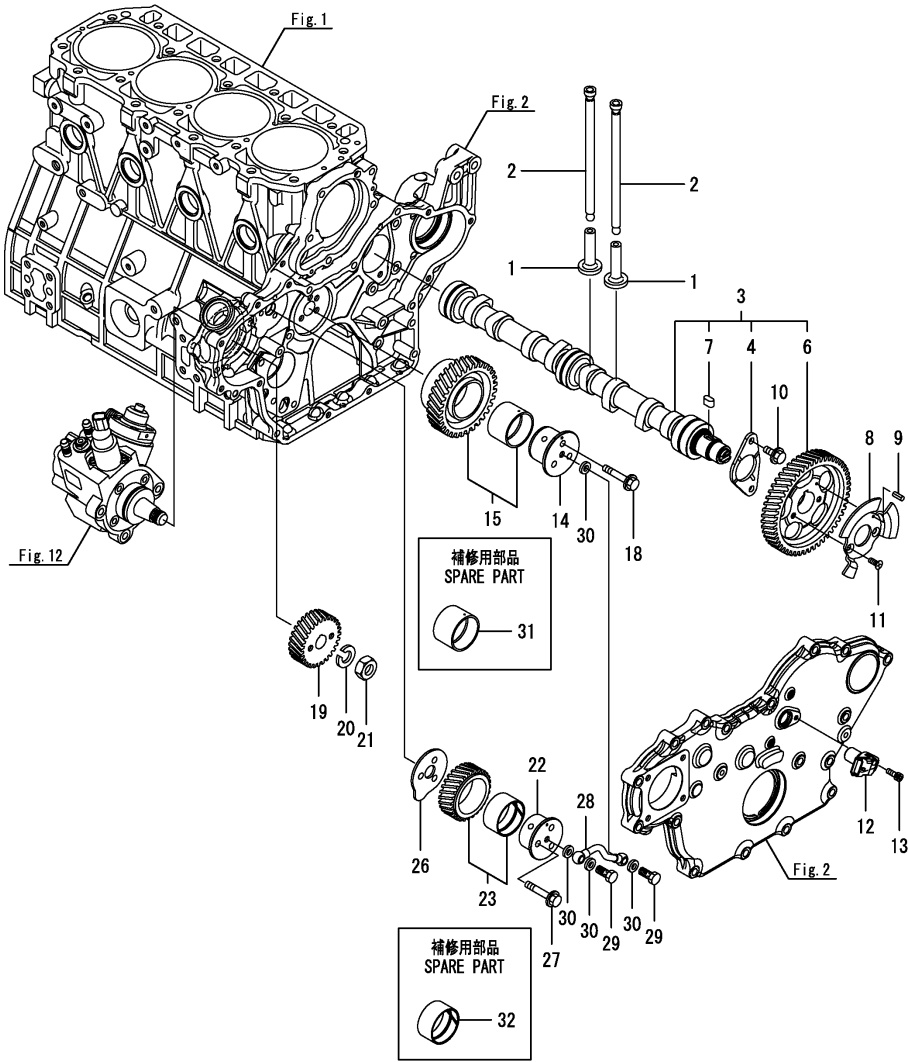
(D)=
(E)=
(F)=



				(A)=4TNV98C-WBV (B)= (C)=					(D)= (E)= (F)=		
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
36-2	(A=E07147)										
	1	129978-17710	SENSOR, PRESSURE	1						N	1
(A=EW2416)											
37	1	129E20-17700	BRACKET, SENSOR	1							
38	1	26106-060162	BOLT, M6X 16 PLATED	2							
39	1	26106-080202	BOLT, M8X 20 PLATED	2							
40	1	129A00-91200	CLIP, BAND	1							
41	1	129C00-91200	BAND	1							
42	1	129A00-91430	CLIP, CONNECTOR	2							
43	1	26106-080142	BOLT, M8X 14 PLATED	1							
43-1	1	26106-080122	BOLT, M8X 12 PLATED	1						N	
(A=E01093)											
44	1	26106-080162	BOLT, M8X 16 PLATED	2							
45	1	26106-080352	BOLT, M8X 35 PLATED	3							
46	1	26106-080352	BOLT, M8X 35 PLATED	2							
47	1	26106-080752	BOLT, M8X 75 PLATED	1							
48	1	26106-100182	BOLT, M10X 18 PLATED	5							
48-1	1	26106-100202	BOLT, M10X 20 PLATED	5						N	
(A=E01093)											
49	1	26306-100002	NUT, M10	4							
50	1	123900-13130	STUD, M10X22	4							

Remarks
When replacing these parts, it is necessary to update the ECU.
Please use the designated service tool for the software update.
Please refer to the Service Manual for details.
No.8-1 & 9-1 are interchangeable with a set of No.11-1.
Interchangeability of No.8-1, 9-1 is Serial No.E50281 or previous : F, Serial No.E50282 or following : N.
D=No.8 & 9 : 5.5mm, No.8-1 & 9-1 : 6.5mm.

Fig.8. CAMSHAFT & DRIVING GEAR



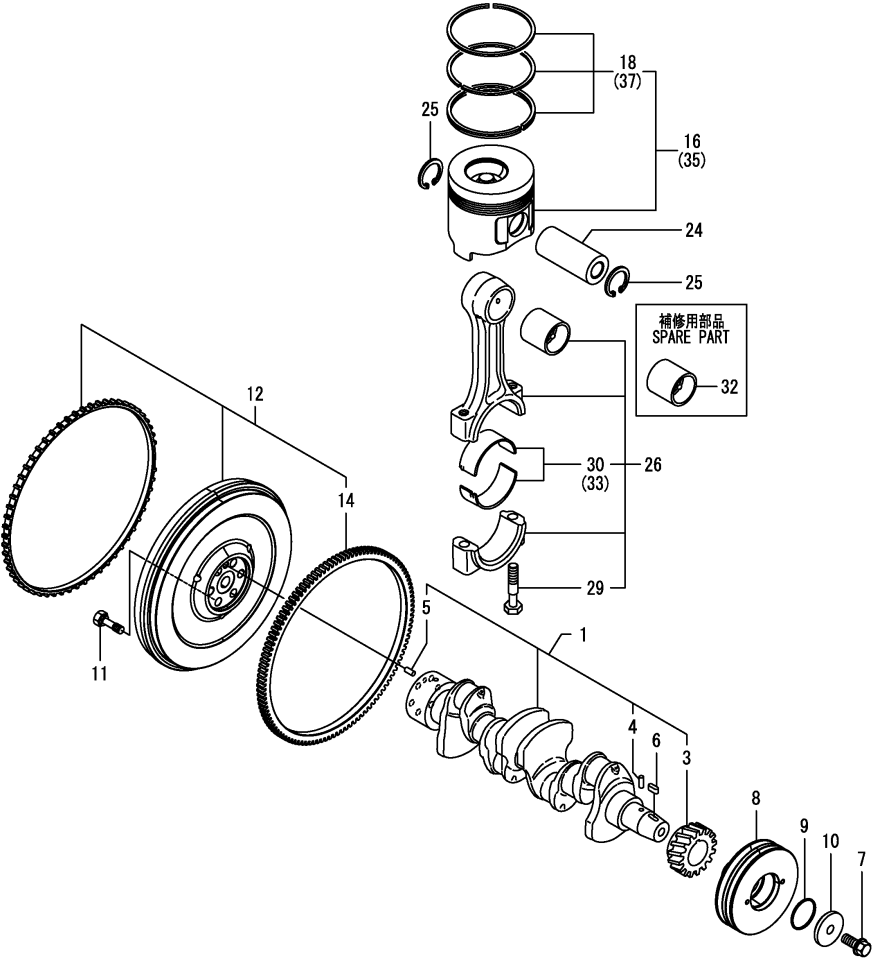
(A)=4TNV98C-WBV
(B)=
(C)=

(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	129900-14400	PUSH-ROD	8							
3	1	129E00-14581	SHAFT ASSY, CAM	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129E00-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	129E00-14700	PULSER, CAM GEAR	1							
9	1	22351-030010	PIN, SPRING 3.0X10	1							
10	1	26106-080162	BOLT, M8X 16 PLATED	2							
11	1	26577-060122	SCREW, M6X12	2							
12	1	129A00-14710	SENSOR, GEAR REV	1							
13	1	26450-060162	BOLT, M6X 16	1							
14	1	129E00-25050	SHAFT, IDLE GEAR A	1							
15	1	129900-25110	GEAR ASSY, IDLE	1							
18	1	26106-080502	BOLT, M8X 50 PLATED	3							
19	1	129E00-25902	GEAR, SUPPLY PUMP	1							
20	1	22217-180000	WASHER, SPRING 18	1							
21	1	26776-180002	NUT, LOCK M18	1							
22	1	129E00-25060	SHAFT, IDLE GEAR B	1							
23	1	129E00-25121	GEAR ASSY, IDLE B	1							
26	1	129E00-25200	PLATE, IDLE SHAFT B	1							
27	1	26106-080452	BOLT, M8X 45 PLATED	3							
28	1	129E00-25400	PIPE ASSY, LO	1							
29	1	105010-39140	BOLT, PIPE JOINT	2							
30	1	22190-080002	WASHER, SEAL 6	4							
31	1	129150-25920	BUSH, IDLE GEAR	1							1
32	1	129E00-25080	BUSH	1							1

Remarks
(1)Spare parts.

Fig.9. CRANKSHAFT & PISTON



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

(A)=4TNV98C-WBV
(B)=
(C)=

0CB10-M81000 Fig.9
(D)=
(E)=
(F)=

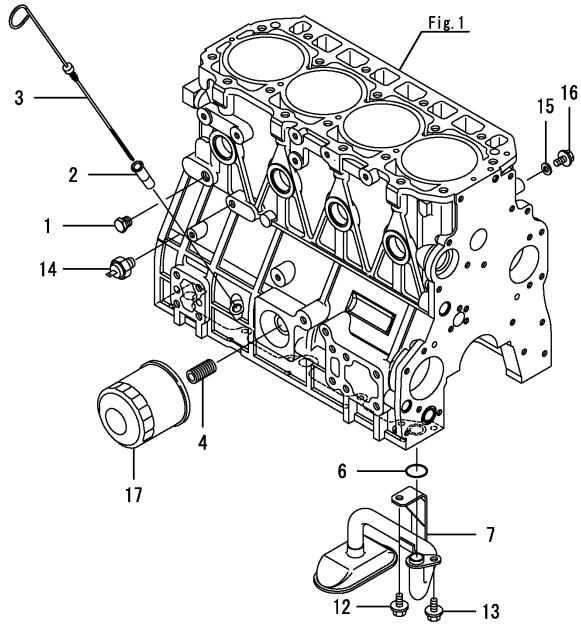
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129902-21050	CRANKSHAFT ASSY	1							
3	2	129900-21220	GEAR, CRANKSHAFT	1							
4	2	121850-21290	PIN	1							
5	2	121850-21920	PIN, PARALLEL 10X22	1							
6	1	22512-070140	KEY, 7X 14	1							
7	1	129916-21610	BOLT	1							
8	1	129938-21650	V-PULLEY, CRANKSHAFT	1							
9	1	129960-21930	GASKET, WASHER	1							
10	1	129960-21940	WASHER, V-PULLEY	1							
11	1	121850-21130	BOLT, FLYWHEEL	6							
12	1	129E20-21600	FLYWHEEL ASSY	1							
14	2	129900-21600	GEAR, RING	1							
16	1	129E00-22080	PISTON ASSY	4							
18	2	129E00-22050	RING ASSY	4							
24	1	120130-22301	PIN, PISTON	4							
25	1	22252-000300	RING, 30	8							
26	1	129900-23001	ROD ASSY, CONNECTING	4							
29	2	129900-23200	BOLT, CONNECTING ROD	8							
30	2	129900-23601	BEARING, CRANK PIN	4							
32	1	129900-23911	BEARING, PISTON PIN	4							1
33	1	129900-23611	BEARING ASSY, 0.25US	4							2
35	1	129E00-22900	PISTON ASSY, 0.25 OS	4							3
37	2	129E00-22950	RING ASSY, 0.25OS	4							3

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

(A)=4TNV98C-WBV
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171056-49120	PLUG, DRAIN R1/4	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129938-34820	DIPSTICK, LUB.OIL	1							
4	1	119000-35140	BOLT, STUD FILTER	1							
6	1	129900-32030	O-RING, P20	1							
7	1	129953-35000	PIPE ASSY, OIL INLET	1							
12	1	26106-080122	BOLT, M8X 12 PLATED	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	1							
14	1	119761-39450	SWITCH, HYDRAULIC	1							
15	1	22190-080002	WASHER, SEAL 6	1							
16	1	26106-080122	BOLT, M8X 12 PLATED	1							
17	1	129150-35170	FILTER,LO	1							

Remarks
(1)Spare parts.

Fig.11. COOLING WATER SYSTEM

(A)=4TNV98C-WBV
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-42002	PUMP ASSY, WATER	1							
10	1	129900-42020	GASKET, WATER PUMP	1							
11	1	26106-060302	BOLT, M6X 30 PLATED	2							
12	1	26106-080552	BOLT, M8X 55 PLATED	5							
13	1	129900-42462	V-PULLEY, PUMP	1							
14	1	129940-42310	V-BELT, A44	1							
15	1	129916-44740	FAN, COOLING D=430	1							
16	1	119005-44761	SPACER, FAN	1							
17	1	26106-080452	BOLT, M8X 45 PLATED	4							
18	1	129E00-49800	CASE ASSY,THERMOSTAT	1							
19	2	129927-44900	SENSOR, WATER TEMP.	1							
20	2	129928-49420	JOINT	1							
21	2	129916-49530	COVER, THERMOSTAT	1							
22	2	121850-49540	GASKET, THERMOSTAT	1							
23	2	121850-49550	GASKET, THERMOSTAT	1							
24	2	121850-49811	THERMOSTAT, 71C	1							
26	2	22190-120002	WASHER, SEAL 12	1							
27	2	23875-030000	PLUG, R03	2							
28	2	26106-060202	BOLT, M6X 20 PLATED	4							
29	1	129900-49870	GASKET, THERMOSTAT	1							
30	1	23414-080000	GASKET, 8X1.0	1							
31	1	26106-080122	BOLT, M8X 12 PLATED	1							
32	1	26106-080602	BOLT, M8X 60 PLATED	3							
33	1	121450-42450	PLUG, M16	2							
34	1	124465-44950	GASKET, 16	2							
35	1	129928-49420	JOINT	1							
36	1	129E00-49610	HOSE ASSY, EGR-C IN	1							
38	2	129960-03990	CLAMP, HOSE 19.8	2							
40	1	129E00-49620	HOSE ASSY,EGRC OUT A	1							
41	2	129960-03990	CLAMP, HOSE 19.8	2							
44	1	129E20-49630	HOSE ASSY,EGRC OUT B	1							
45	2	129960-03990	CLAMP, HOSE 19.8	2							

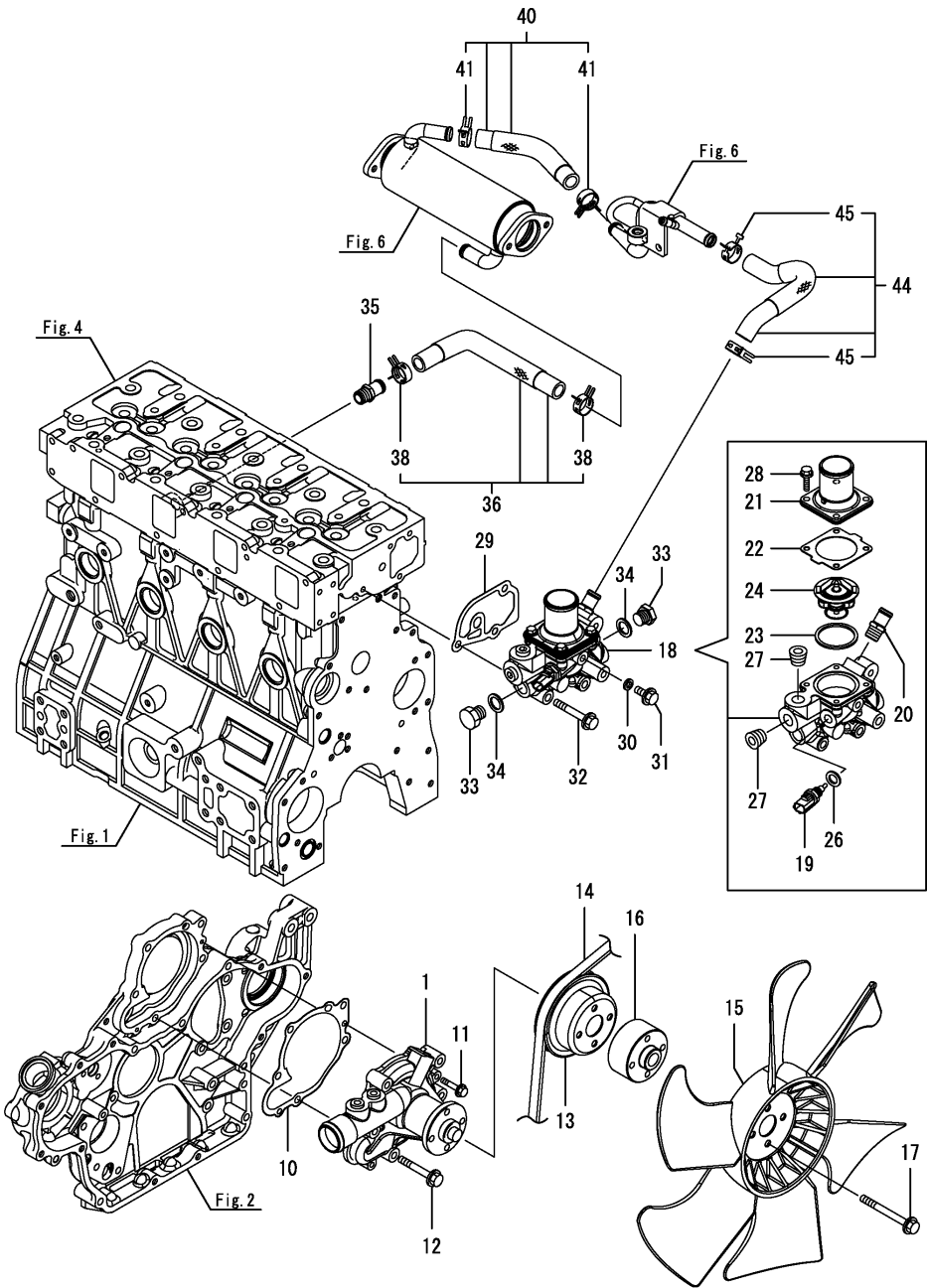


Fig.12. FUEL SUPPLY PUMP

(A)=4TNV98C-WBV
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129A00-51000	PUMP ASSY, FUEL	1							
2	2	129A00-51100	VALVE ASSY, MPROP	1							
3	3	129A00-51110	RING, SEALING	1							
4	3	129A00-51120	O-RING, MPROP	1							
5	2	129A00-51130	BOLT, MPROP	2							
6	2	129A00-51200	SENSOR, TEMPERATURE	1							
7	2	129A00-51900	O-RING, FUEL PUMP	1							
8	1	26106-080302	BOLT, M8X 30 PLATED	3							

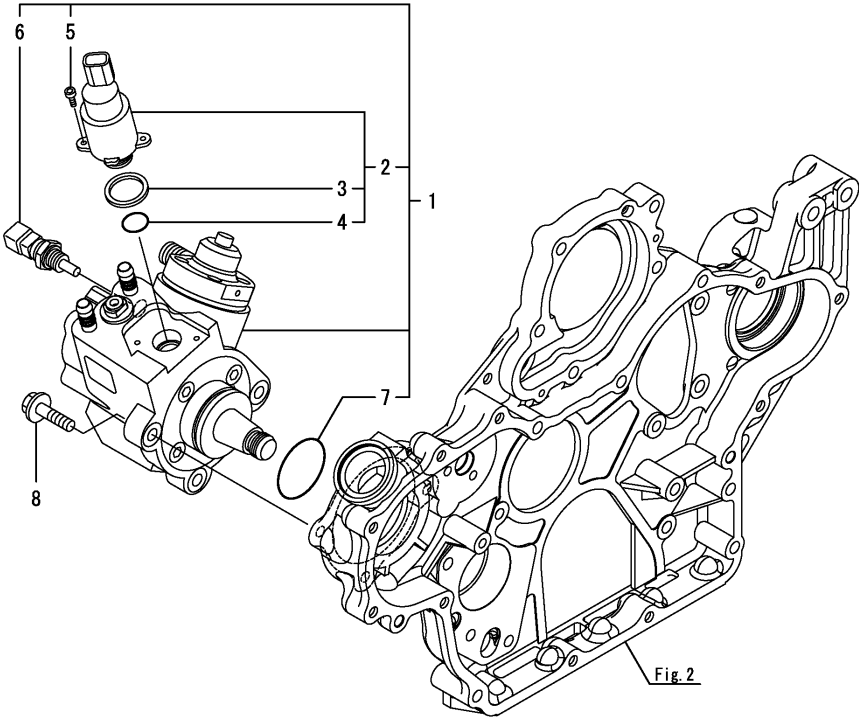
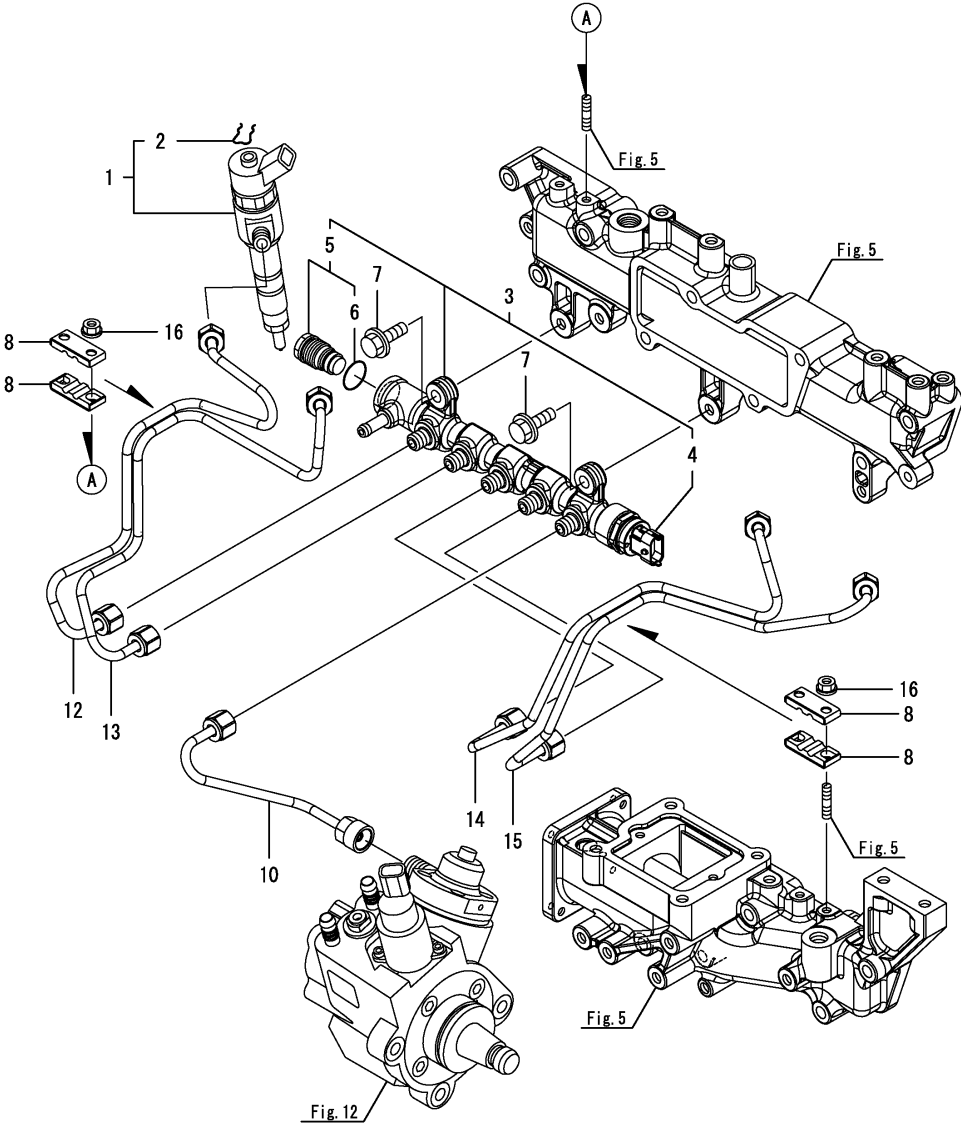


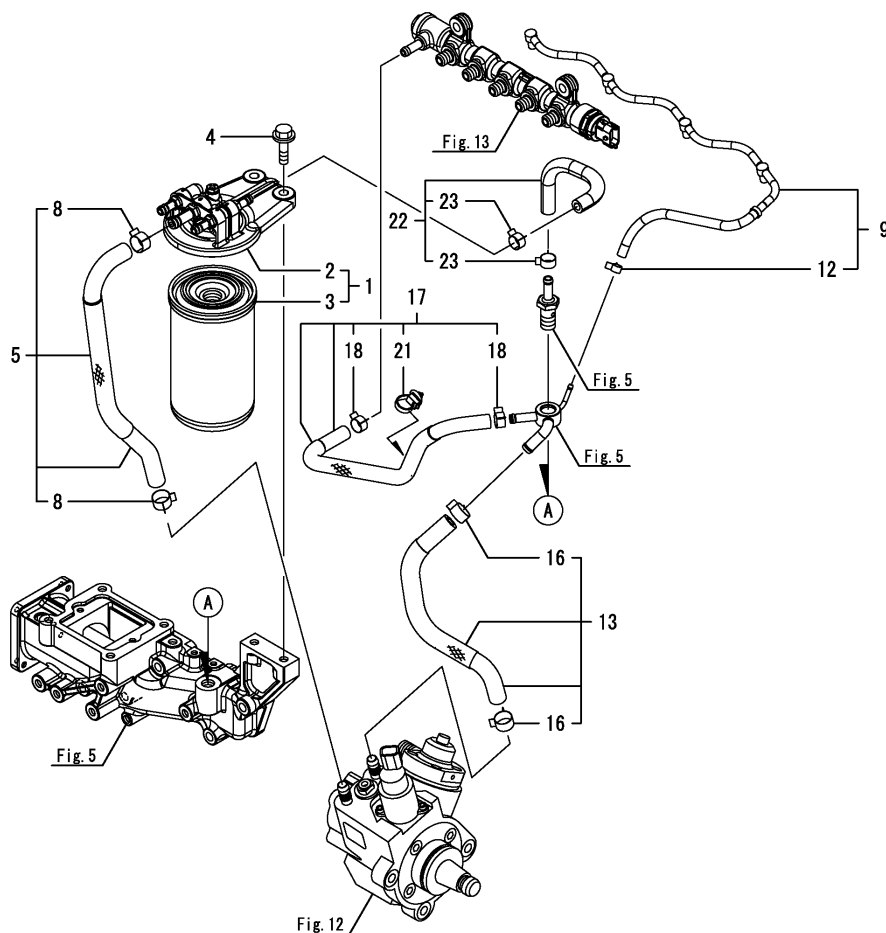
Fig.13. FUEL INJECTION VALVE

(A)=4TNV98C-WBV
(B)=
(C)=

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

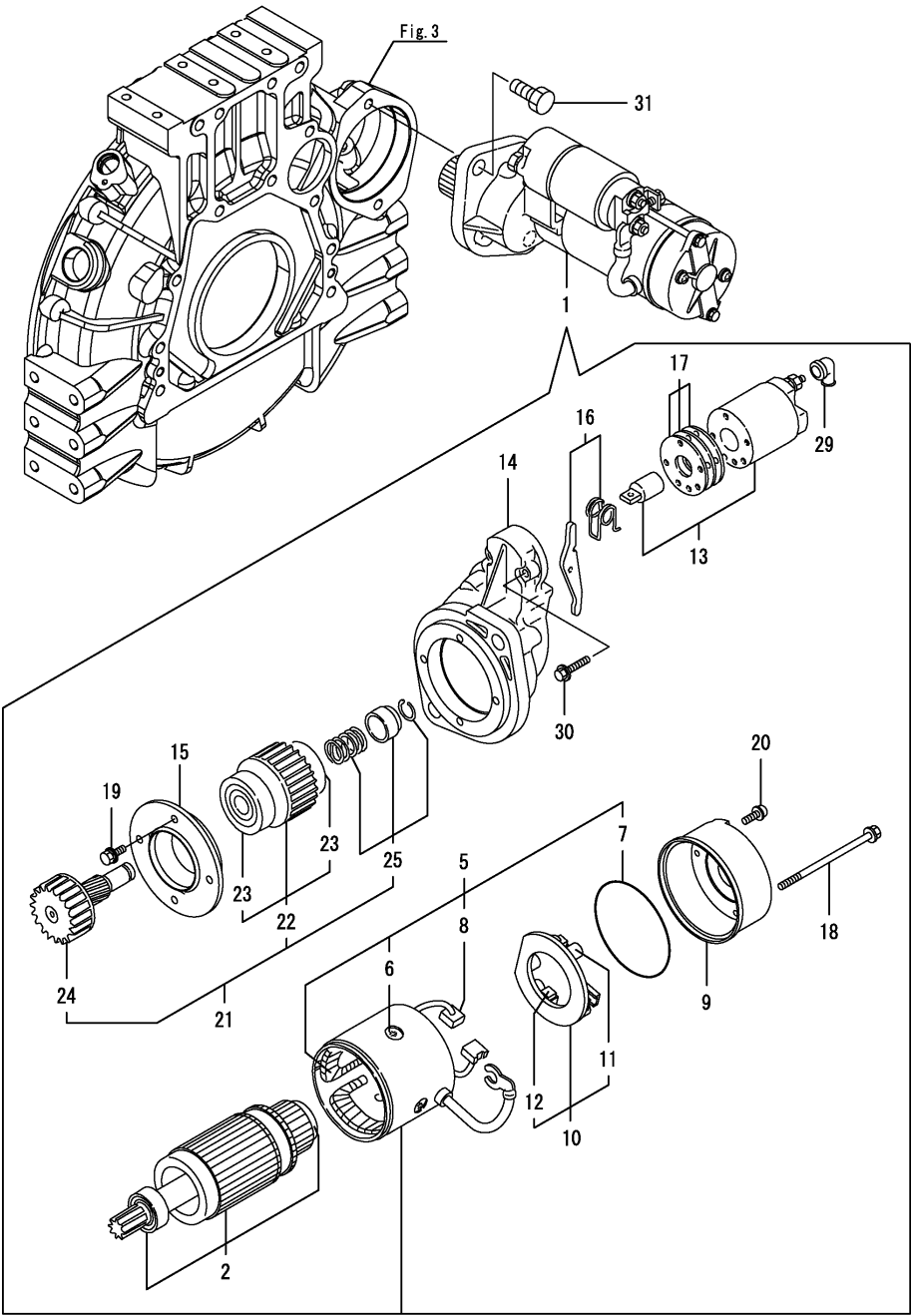


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E00-53100	INJECTOR, CR	4							
2	2	129A00-53200	RING, RETAINING	4							
3	1	129C00-57000	RAIL ASSY	1							
4	2	129A00-57100	SENSOR, RAILPRESSURE	1							
5	2	129A00-57200	VALVE ASSY, PLV4	1							
6	3	129A00-57210	O-RING, PLV4	1							
7	1	26106-080252	BOLT, M8X 25 PLATED	2							
8	1	122780-59100	RETAINER	4							
10	1	129E00-59700	PIPE ASSY, RAIL IN	1							
12	1	129E00-59810	PIPE ASSY, INJ. NO1	1							
13	1	129E00-59820	PIPE ASSY, INJ. NO2	1							
14	1	129E00-59830	PIPE ASSY, INJ. NO3	1							
15	1	129E00-59840	PIPE ASSY, INJ. NO4	1							
16	1	26366-060002	NUT, M6	4							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129A00-55600	FILTE ASSY,FO	1							
2	2	129A00-55610	BRACKET ASSY,FO FILT	1							
3	2	129A00-55800	FILTER, FUEL OIL	1							
4	1	26106-080302	BOLT, M8X 30 PLATED	2							
5	1	129E00-59010	HOSE ASSY, FO	1							
8	2	23080-015000	CLAMP, 15	2							
9	1	129E00-59500	PIPE ASSY, RETURN	1							
9-1	1	129E01-59500	PIPE ASSY, FO RETURN	1							N
		(A=E40907)									
12	2	23080-007000	CLAMP, 7	1							
13	1	129E00-59020	HOSE ASSY, FO RETURN	1							
16	2	23080-015000	CLAMP, 15	2							
17	1	129E00-59030	HOSE ASSY, FO RETURN	1							
18	2	114270-59010	CLAMP, HOSE 12	2							
21	2	129A00-91200	BAND CLIP	1							
22	1	129E00-59040	HOSE ASSY, FO RETURN	1							
23	2	114270-59010	CLAMP, HOSE 12	2							

Fig.15. STARTER MOTOR



(A)=4TNV98C-WBV
(B)=
(C)=

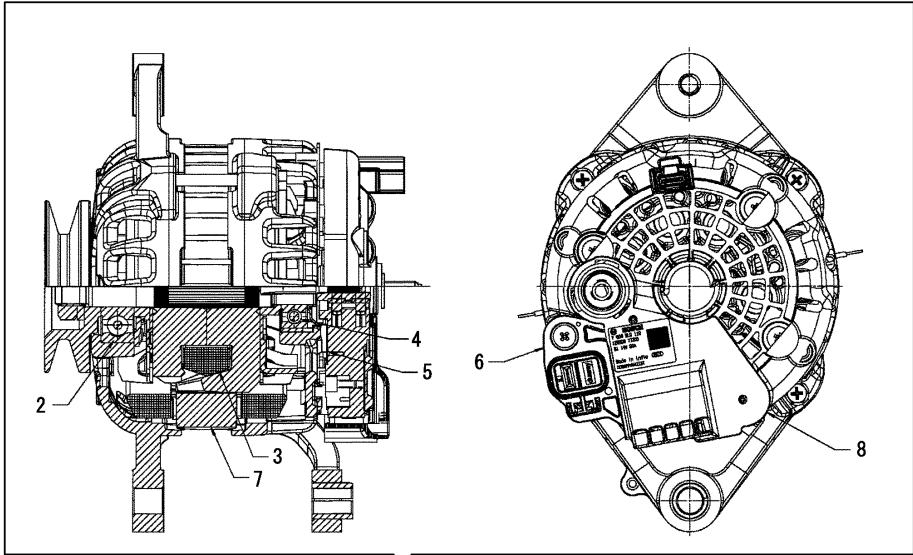
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129940-77011	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	129940-77171	COVER	1							
10	2	129940-77181	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	129940-77221	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)=4TNV98C-WBV
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129908-77200	ALTERNATOR	1							
2	2	129908-77710	BEARING, BALL FR	1							
3	2	129908-77720	ROTOR	1							
4	2	129908-77730	BEARING, BALL RR	1							
5	2	129908-77740	RECTIFIER	1							
6	2	129908-77750	REGULATOR	1							
7	2	129908-77760	STATOR	1							
8	2	129908-77770	PROTECTOR	1							
9	1	129908-77220	BOLT, STOPPER M10	1							
10	1	129908-77360	PIECE, DISTANCE	1							
11	1	26306-100002	NUT, M10	1							
12	1	129953-77300	ADJUSTER	1							
13	1	121236-77340	SPACER	1							
14	1	119624-77351	BLOCK ASSY, ADJUSTER	1							
16	2	26106-081004	BOLT, M8X100 PLATED	1							
17	2	26306-080002	NUT, M8	1							
18	1	26106-080452	BOLT, M8X 45 PLATED	1							

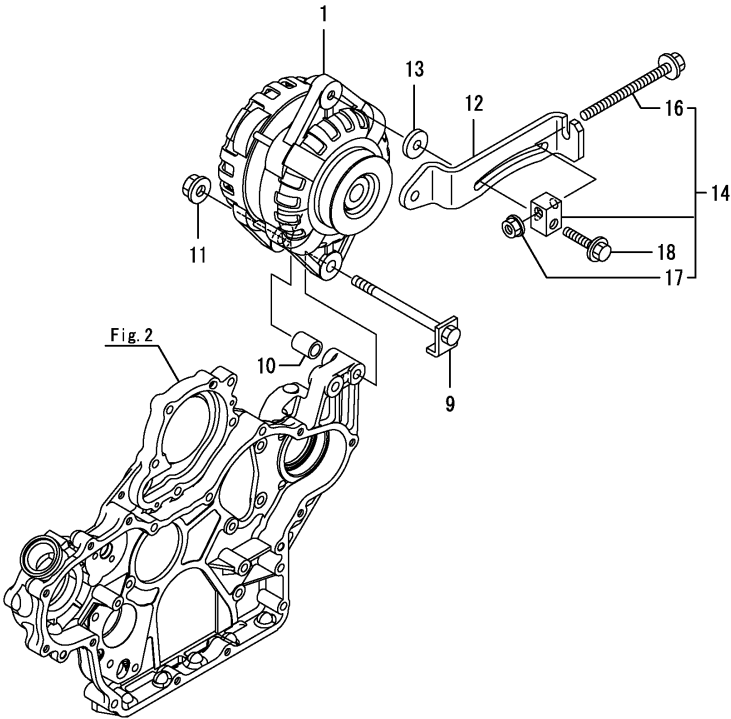
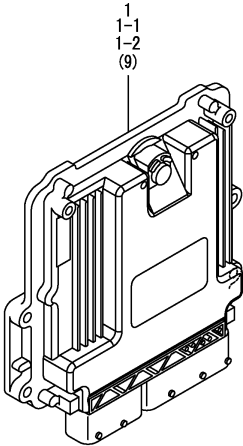


Fig.17. ELECTRONIC CONTROL UNIT(ECU)

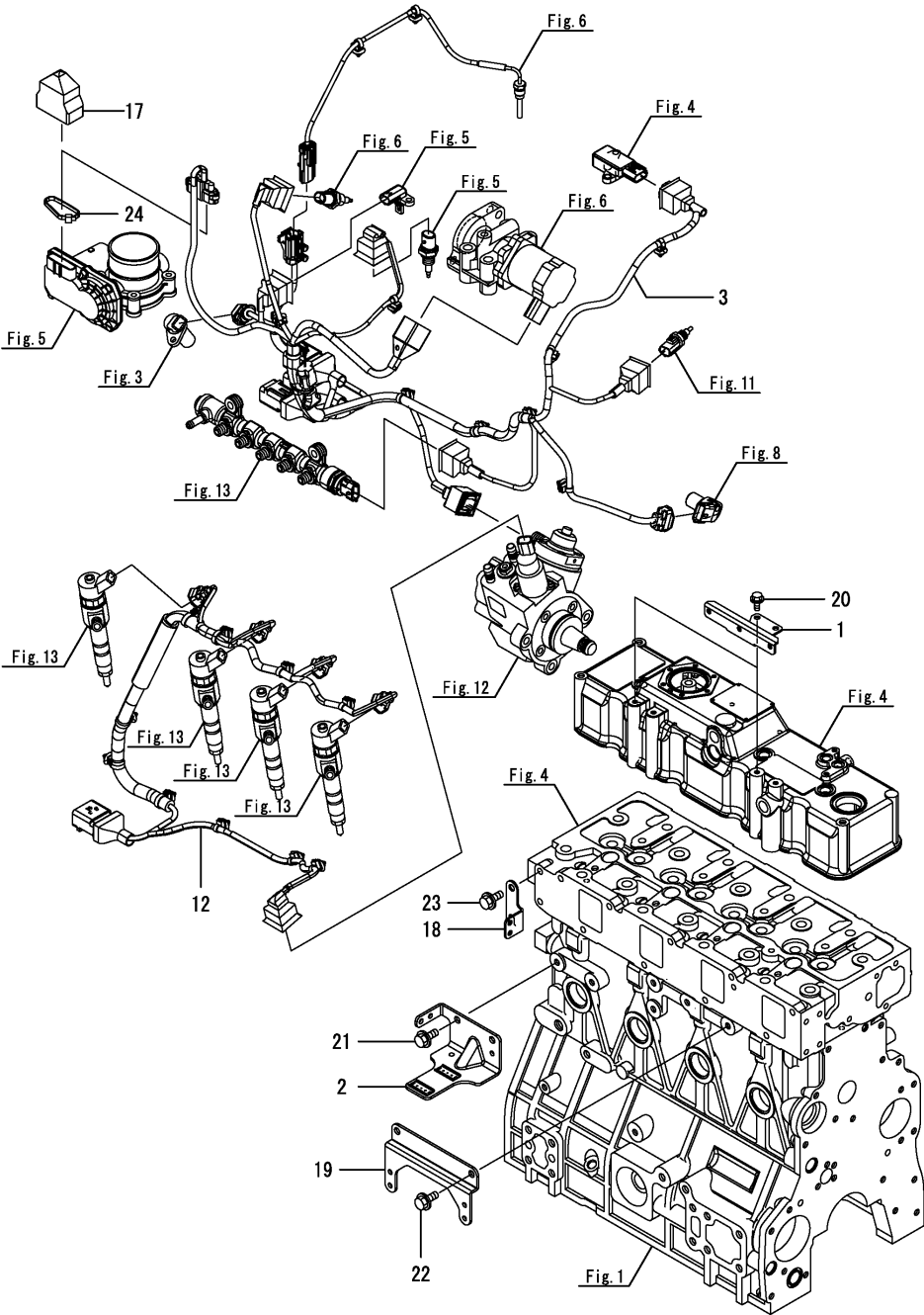


Remarks
(1)Eco ECU
This part cannot be ordered.
Replace the part using a Service ECU with the proper engine information installed.
(2)Service ECU
If the proper information is not installed, the engine will not operate.
To install proper information, go to an authorized distributor.

(A)=4TNV98C-WBV
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E20-75040	ECU ASSY,98C-WBV	1							1
1-1	1	129E20-75041	ECU ASSY, 98C-WBV	1						S	1
(A=E00647)											
1-2	1	129E20-75042	ECU ASSY,98C-WBV	1						S	1
(A=E81727)											
9	1	129A00-75910	ECU ASSY,SERVICE YMR	1							2

Fig.18. ELECTRIC PARTS



OCB10-M81000 Fig.18

(A)=4TNV98C-WBV

(B)=

(C)=

(D)=

(E)=

(F)=

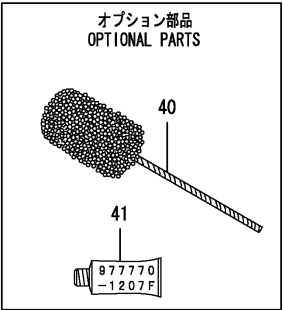
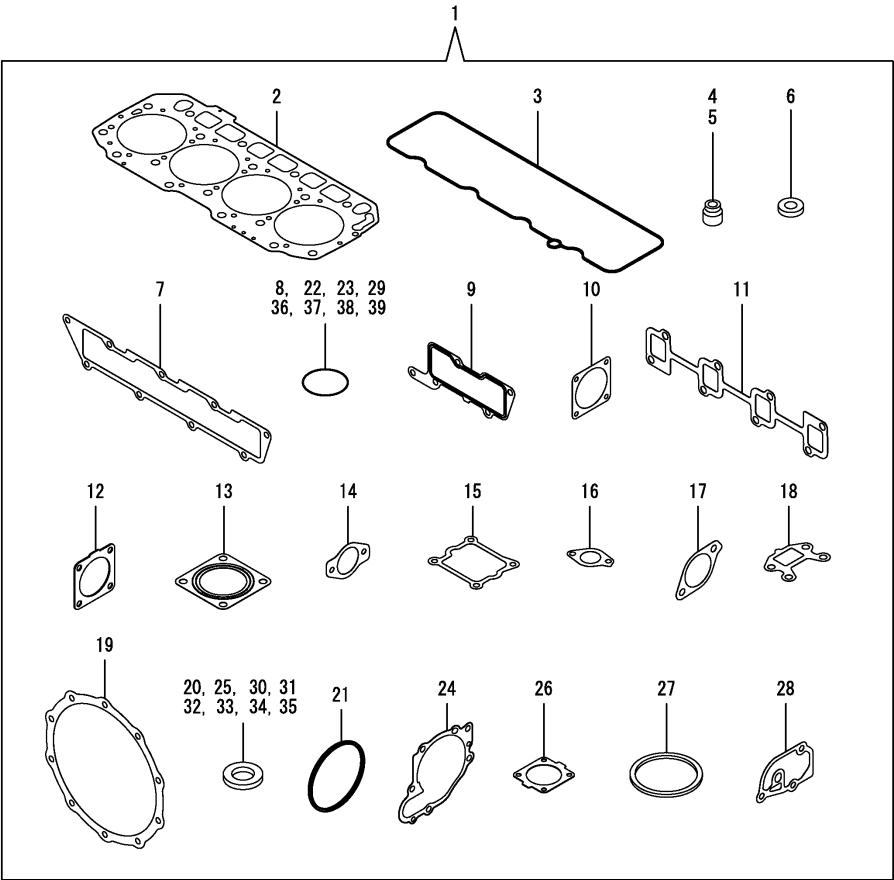
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E00-11390	BRACKET,HAENESS	2							
2	1	129E00-77910	BRACKET,CONNECTOR	1							
3	1	129E00-91220	HARNESS,B ECO ENGINE	1							
12	1	129E00-91230	HARNESS,C ECO ENGINE	1							
17	1	129A00-91451	BOOT,CAP TYPE	1							
18	1	129A00-91600	BRACKET, HARNESS	1							
19	1	129E00-91600	BRACKET, HARNESS	1							
20	1	26106-060122	BOLT, M6X 12 PLATED	4							
21	1	26106-080122	BOLT, M8X 12 PLATED	2							
22	1	26106-080122	BOLT, M8X 12 PLATED	2							
23	1	26106-080122	BOLT, M8X 12 PLATED	2							
24	1	29621-200000	BAND	1							

Fig.19. GASKET SET

(A)=4TNV98C-WBV
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129E22-92600	PACKING	1							1
2	2	129E00-01330	GASKET, CYL. HEAD	1							
3	2	129E00-11310	PACKING, BONNET	1							
3-1	2	129E00-11330 (A=E07147)	GASKET, BONNET	1						N	
4	2	124460-11340	SEAL, VALVE STEM	4							
5	2	129A00-11340	SEAL, VALVE STEM	4							
6	2	129978-11871	GASKET,INJECTOR	4							
7	2	129E00-12110	GASKET, MANIFOLD	1							
8	2	129A00-12790	O-RING,TEMP SENSOR	1							
9	2	129E00-12810	GASKET, COLLECTOR	1							
10	2	129A00-12910	GASKET,THROTTLE	2							
11	2	129E00-13110	GASKET, MANIFOLD	1							
12	2	129930-13201	GASKET, SILENCER	1							
13	2	128300-13230	GASKET, SILENCER	1							
14	2	129E00-13410	GASKET, EGR COOLER	2							
15	2	129E00-13720	GASKET, EGR-V SPACER	1							
16	2	129927-13810	GASKET	1							
17	2	129E00-13910	GASKET, EGR-V IN	1							
18	2	129E00-13920	GASKET, EGR-V OUT	1							
19	2	129E00-16600	GASKET, DPF	2							
20	2	129A00-17311	GASKET,SENSOR	4							
21	2	129960-21930	GASKET, WASHER	1							
22	2	129900-32030	O-RING, P20	2							
23	2	129900-32040	O-RING, P14	1							
24	2	129900-42020	GASKET, WATER PUMP	1							
25	2	124465-44950	GASKET, 16	2							
26	2	121850-49540	GASKET, THERMOSTAT	1							
27	2	121850-49550	GASKET, THERMOSTAT	1							
28	2	129900-49870	GASKET, THERMOSTAT	1							
29	2	129A00-51900	O-RING, FUEL PUMP	1							
30	2	22190-080002	WASHER, SEAL 6	5							
31	2	22190-120002	WASHER, SEAL 12	1							
32	2	22190-140002	WASHER, SEAL 14	2							
33	2	22190-220002	WASHER, SEAL 22	1							
34	2	23414-080000	GASKET, 8X1.0	1							
35	2	23414-120000	GASKET, 12X1.0	2							
36	2	24311-000070	O-RING, 1AP7.0	1							
37	2	24311-000120	O-RING, 1AP12.0	3							
38	2	24311-000320	O-RING, 1AP32.0	2							
39	2	24321-000600	O-RING, 1AG60.0	1							
40	1	129400-92450	HONE, FLEX	1							1
41	1	977770-1207F	GASKET,LIQUID	1							1



Remarks
(X)Optional parts.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105010-39140	8	29
114270-59010	14	18
		23
114371-79070	15	30
119000-35140	10	4
119005-44761	11	16
119131-77550	15	25
119620-01750	3	3
119624-77351	16	14
119640-01640	3	8
119640-61400	4	60
119660-01570	5	12
119761-39450	10	14
119803-77830	4	69
120130-22301	9	24
120270-54410	4	19
121027-11743	2	21
121236-77340	16	13
121254-77810	15	29
121450-42450	11	33
121520-34810	10	2
121850-21130	9	11
121850-21290	9	4
121850-21920	9	5
121850-49540	11	22
	19	26
121850-49550	11	23
	19	27
121850-49811	11	24
122780-59100	13	8
123900-13130	7	50
123900-77510	15	21
123900-77520	15	22
123900-77540	15	24
123907-03100	4	50
123907-03110	4	51
123907-03120	4	52
123907-03140	4	53
124160-01751	2	19
	4	41
124160-11360	4	64
124240-01871	2	28
124460-11340	4	13
	19	4
124465-44950	11	34
	19	25
128300-13230	7	1
	19	13
129001-11340	4	57
129005-03080	5	1

Parts No.	Fig. No.	Ref. No.
129008-77800	4	70
129100-01580	2	2
	3	1
129150-02450	8	4
129150-11230	4	29
		33
129150-11370	4	1
129150-11750	4	31
		35
129150-11810	4	72
129150-14200	8	1
129150-25920	8	31
129150-35170	10	17
129400-92450	19	40
129410-03990	5	2
129418-18320	6	21
129795-11180	4	12
129900-01200	1	27
129900-01250	1	4
129900-02020	1	6
129900-02341	1	32
129900-02410	1	9
129900-02931	1	24
129900-02941	1	35
129900-07900	4	67
129900-11100	4	9
129900-11110	4	10
129900-11120	4	11
129900-11200	4	21
129900-11240	4	22
129900-11280	4	25
129900-11510	4	26
129900-11520	4	27
129900-11530	4	38
129900-11650	4	28
129900-11660	4	32
129900-14400	8	2
129900-21220	9	3
129900-21600	9	14
129900-23001	9	26
129900-23200	9	29
129900-23601	9	30
129900-23611	9	33
129900-23911	9	32
129900-25110	8	15
129900-32001	2	3
129900-32030	2	14
	10	6
	19	22
129900-32040	2	15

Parts No.	Fig. No.	Ref. No.
129900-32040	19	23
129900-42002	11	1
129900-42020	11	10
	19	24
129900-42462	11	13
129900-49870	11	29
	19	28
129902-21050	9	1
129907-03061	4	46
129907-03070	4	49
129908-77200	16	1
129908-77220	16	9
129908-77360	16	10
129908-77710	16	2
129908-77720	16	3
129908-77730	16	4
129908-77740	16	5
129908-77750	16	6
129908-77760	16	7
129908-77770	16	8
129916-01710	3	7
129916-01790	3	6
129916-01800	2	25
129916-21610	9	7
129916-44740	11	15
129916-49530	11	21
129927-13810	6	25
	19	16
129927-42140	2	15 A
129927-44900	11	19
129928-49420	11	20
		35
129930-13201	19	12
129938-21650	9	8
129938-34820	10	3
129940-42310	11	14
129940-77011	15	1
129940-77100	15	2
129940-77130	15	5
129940-77140	15	6
129940-77150	15	7
129940-77160	15	8
129940-77171	15	9
129940-77181	15	10
129940-77190	15	11
129940-77200	15	12
129940-77210	15	13
129940-77221	15	14
129940-77230	15	15
129940-77240	15	16

Parts No.	Fig. No.	Ref. No.
129940-77250	15	17
129940-77260	15	18
129940-77270	15	19
129940-77280	15	20
129953-35000	10	7
129953-77300	16	12
129960-03990	11	38
		41
		45
129960-21930	9	9
	19	21
129960-21940	9	10
129978-03030	4	45
129978-11871	4	17
	19	6
129978-17700	7	36 -1
129978-17710	7	36 -2
129A00-11330	4	56
129A00-11340	4	14
	19	5
129A00-12703	4	58
129A00-12711	5	13
129A00-12720	5	6
129A00-12780	4	59
129A00-12790	5	14
	19	8
129A00-12820	5	28
129A00-12900	5	29
129A00-12910	5	30
	19	10
129A00-13350	6	9
	7	26
129A00-13380	6	12
129A00-13620	6	3
129A00-13751	6	23
129A00-14710	8	12
129A00-16610	7	17
129A00-17311	7	27
	19	20
129A00-17510	7	31
129A00-17520	7	32
129A00-17570	7	34
129A00-17580	7	35
129A00-17702	7	36
129A00-21710	3	12
129A00-51000	12	1
129A00-51100	12	2
129A00-51110	12	3
129A00-51120	12	4
129A00-51130	12	5

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Parts No.	Fig. No.	Ref. No.
129A00-51200	12	6
129A00-51900	12	7
	19	29
129A00-53200	13	2
129A00-55600	14	1
129A00-55610	14	2
129A00-55800	14	3
129A00-57100	13	4
129A00-57200	13	5
129A00-57210	13	6
129A00-59110	5	18
129A00-75910	17	9
129A00-91200	6	6
	7	40
	14	21
129A00-91430	7	42
129A00-91451	18	17
129A00-91600	18	18
129A01-13710	6	4
129C00-13860	7	8 -1
129C00-13870	7	9 -1
129C00-13940	7	8
129C00-13950	7	9
129C00-57000	13	3
129C00-91200	7	41
129C01-13600	6	17
129C01-16680	7	18
129C01-16700	7	19
129C01-16740	7	22
129E00-01330	1	28
	19	2
129E00-01500	2	1
129E00-01570	1	1
129E00-01580	2	23
129E00-01850	2	26
129E00-03010	4	43
129E00-03020	4	44
129E00-11100	4	9 -1
129E00-11310	4	55
	19	3
129E00-11330	19	3 -1
129E00-11350	4	42
129E00-11390	18	1
129E00-11710	4	2
129E00-11720	4	2 -1
129E00-11900	4	18
129E00-12101	5	5
129E00-12110	5	3
	19	7
129E00-12151	5	4

Parts No.	Fig. No.	Ref. No.
129E00-12800	5	15
129E00-12810	5	10
	19	9
129E00-12850	5	11
129E00-13101	6	1
129E00-13110	6	2
	19	11
129E00-13300	6	8
129E00-13360	6	10
129E00-13400	6	15
129E00-13410	6	16
	19	14
129E00-13600	7	2
129E00-13601	7	2 -1
129E00-13610	6	18
129E00-13710	5	16
129E00-13720	5	17
	19	15
129E00-13770	6	5
129E00-13800	6	24
129E00-13851	6	19
129E00-13861	6	20
129E00-13901	6	28
129E00-13910	6	29
	19	17
129E00-13920	6	30
	19	18
129E00-14101	8	6
129E00-14581	8	3
129E00-14700	8	8
129E00-16210	7	11
129E00-16220	7	11 -1
129E00-16410	7	13
129E00-16600	7	16
	19	19
129E00-16700	7	20
129E00-16720	7	21
129E00-16810	7	4
129E00-16820	7	5
129E00-16830	7	6
129E00-17310	7	28
129E00-17360	7	29
129E00-22050	9	18
129E00-22080	9	16
129E00-22900	9	35
129E00-22950	9	37
129E00-25050	8	14
129E00-25060	8	22
129E00-25080	8	32
129E00-25121	8	23

Parts No.	Fig. No.	Ref. No.
129E00-25200	8	26
129E00-25400	8	28
129E00-25902	8	19
129E00-49610	11	36
129E00-49620	11	40
129E00-49800	11	18
129E00-53100	13	1
129E00-59010	14	5
129E00-59020	14	13
129E00-59030	14	17
129E00-59040	14	22
129E00-59120	5	19
129E00-59500	14	9
129E00-59700	13	10
129E00-59810	13	12
129E00-59820	13	13
129E00-59830	13	14
129E00-59840	13	15
129E00-77820	4	71
129E00-77910	18	2
129E00-91220	18	3
129E00-91230	18	12
129E00-91600	18	19
129E01-59500	14	9 -1
129E20-01620	3	2
129E20-11700	4	2 -2
129E20-13900	7	3
129E20-16070	7	10
129E20-16071	7	10 -1
129E20-16072	7	10 -2
129E20-16150	7	10 -3
129E20-16560	7	15
129E20-16561	7	15 -1
129E20-16562	7	15 -2
129E20-16830	7	5 -1
129E20-17700	7	37
129E20-21600	9	12
129E20-49630	11	44
129E20-75040	17	1
129E20-75041	17	1 -1
129E20-75042	17	1 -2
129E22-92600	19	1
171051-01921	1	5
171056-49120	10	1
22190-080002	8	30
	10	15
	19	30
22190-120002	11	26
	19	31
22190-140002	5	20

Parts No.	Fig. No.	Ref. No.
22190-140002	19	32
22190-220002	3	10
	19	33
22217-180000	8	20
22242-000180	4	36
22252-000300	9	25
22351-030010	8	9
22351-060012	1	11
22512-070140	8	7
	9	6
22857-500100	4	61
		62
23080-007000	14	12
23080-015000	14	8
		16
23414-080000	11	30
	19	34
23414-120000	6	13
	19	35
23875-030000	11	27
23876-005000	4	7
23876-030000	1	12
		13
		14
24311-000070	2	16
	19	36
24311-000120	4	65
	19	37
24311-000320	2	20
		22
	4	66
	19	38
24321-000600	19	39
26106-060122	18	20
26106-060162	7	38
26106-060202	5	31
	11	28
26106-060302	11	11
26106-060402	5	32
26106-060902	5	33
26106-080122	3	11
	7	43 -1
	10	12
		16
	11	31
	18	21
		22
		23
26106-080142	7	23
		43

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Parts No.	Fig. No.	Ref. No.
26106-080162	2	17
		29
		30
	4	68
	6	14
	7	44
	8	10
	10	13
	6	22
	7	39
26106-080202	13	7
26106-080252	12	8
26106-080302	14	4
26106-080352	4	20
	5	21
	7	45
		46
26106-080402	2	31
26106-080452	2	18
	5	8
	8	27
	11	17
	16	18
26106-080502	8	18
26106-080552	5	9
	11	12
26106-080602	11	32
26106-080702	2	32
26106-080752	5	24
	7	47
26106-080902	5	25
26106-081004	16	16
26106-100182	7	48
26106-100202	7	48 -1
26106-100252	6	26
26106-100602	6	31
26106-100652	4	39
26116-120302	15	31
26206-100352	3	4
26206-100952	3	5
26216-060202	5	7
		22
26216-081002	5	26
26306-080002	5	27
	6	27
	7	24
	16	17
26306-100002	4	40
	6	7
	7	49

Parts No.	Fig. No.	Ref. No.
26306-100002	16	11
26366-060002	13	16
26450-060162	3	13
	4	63
	8	13
	4	47
26557-050082	4	37
26577-040162	8	11
26577-060122	4	48
26587-050102	5	23
26716-060002	8	21
26776-180002	1	10
27241-300000	4	8
27241-400000	4	15
27310-080001	18	24
29621-200000	1	29
729900-02801	19	41
977770-1207F	15	23
X2240610100		

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