

0CK50-M00260EN

P R E F A C E

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

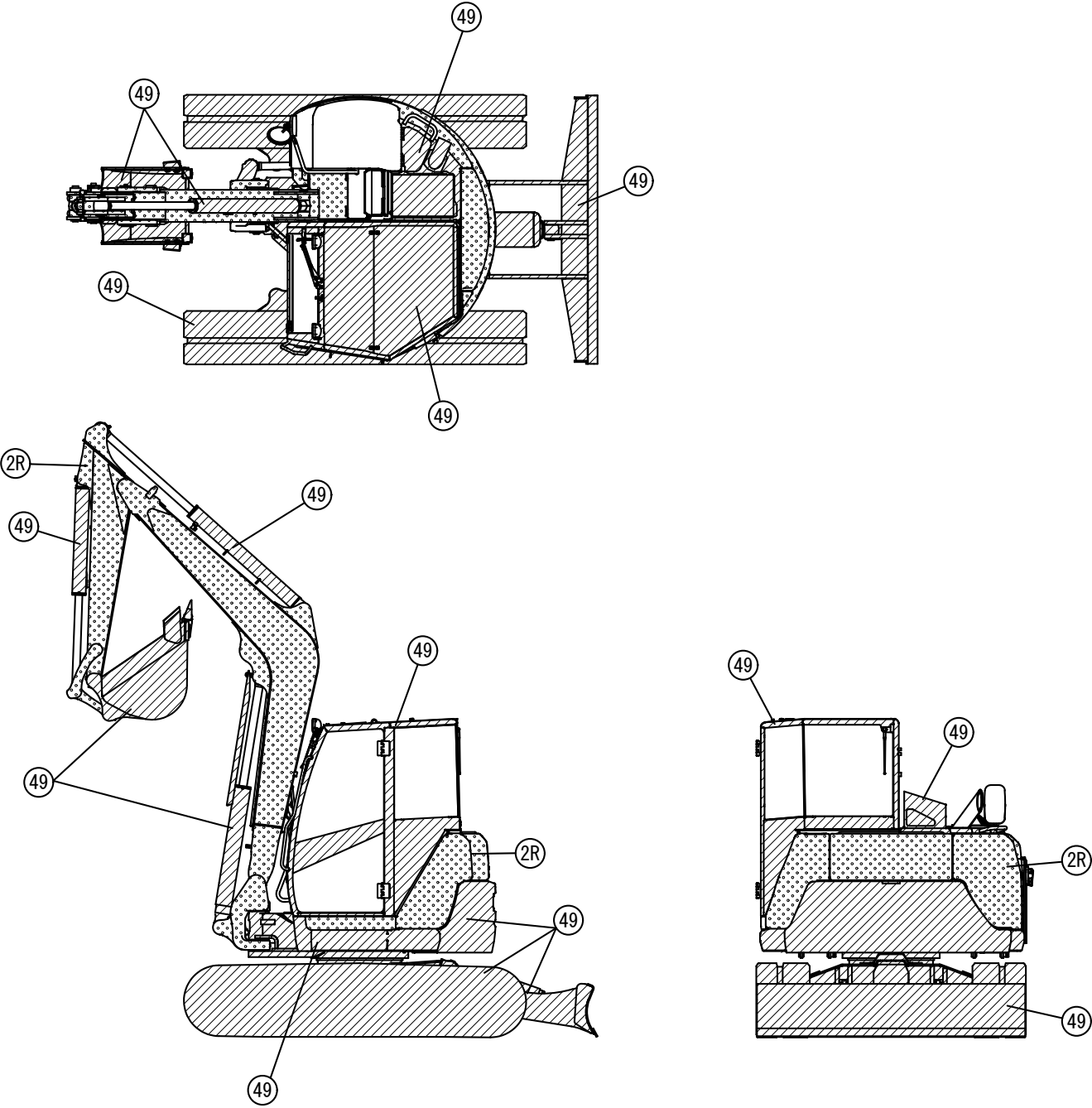
2. Parts catalog history

		Model	Published	Remarks
1st edition	Vehicle	VI080-1A (US)	Dec. , 2014	
	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-91390000	TOR-94800490

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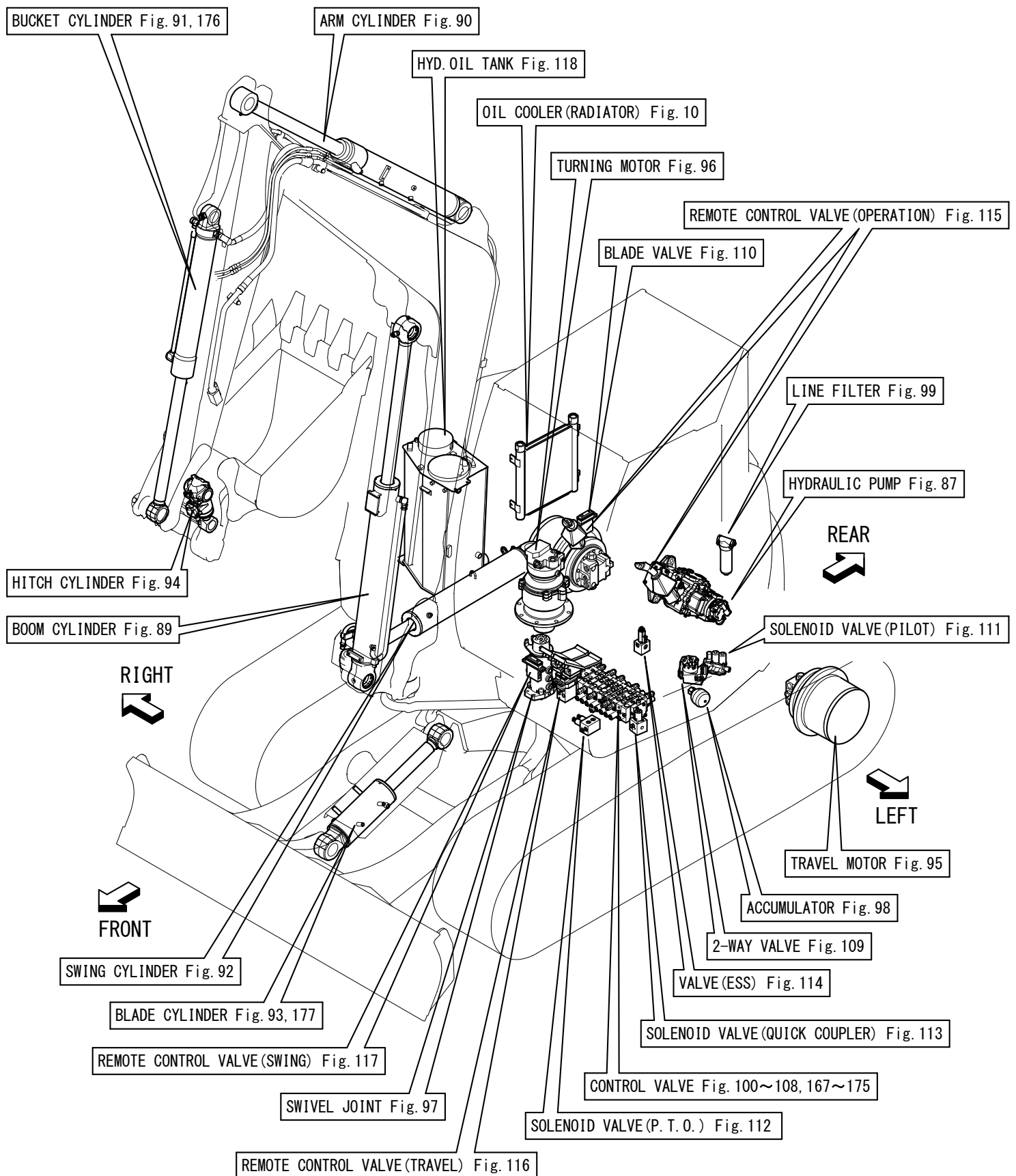
LEFT

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- 171. (108E)CONTROL VALVE(B-TYPE)(5/9)(FROM M1B320)
- 172. (108F)CONTROL VALVE(B-TYPE)(6/9)(FROM M1B320)
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- 122. CONTROL VALVE(FITTING)(1)
- 123. CONTROL VALVE(FITTING)(2)
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Fig. No. Fig. Name

- 137. CONTROL PIPING(P.T.O.)
- 138. GREASING(TURNING FRAME)
- 139. GREASING(BOOM)

IMPLEMENT

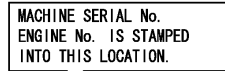
- 140. BOOM BRACKET
- 141. BOOM
- 142. ARM
- 143. ARM(LONG ARM SPEC.)
- 144. BUCKET ARM & LINK
- 145. QUICK COUPLER
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OPTIONAL & KIT

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- 149. DIAL KIT FOR P.T.O. FLOW RATE ADJUSTMENT(OPTIONAL)
- 150. REMOTE CONTROLLER KIT(OPTIONAL)
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- 152. P.T.O.2 KIT(BOOM END)(OPTIONAL)(2/7)
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160.	P.T.O.2 KIT(ARM END)(OPTIONAL)(3/7)		
161.	P.T.O.2 KIT(ARM END)(OPTIONAL)(4/7)		
162.	P.T.O.2 KIT(ARM END)(OPTIONAL)(5/7)		
163.	P.T.O.2 KIT(ARM END)(OPTIONAL)(6/7)		
164.	P.T.O.2 KIT(ARM END)(OPTIONAL)(7/7)		
165.	ADDITIONAL WEIGHT KIT(OPTIONAL)		
166.	SIDE MIRROR(LEFT)(OPTIONAL)		



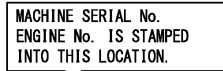
MACHINE SERIAL No.
IS STAMPED INTO
THIS LOCATION.

Figure 1 displays nine examples of safety labels (labeled 1 through 9, 11, 12, and 16) used for equipment. Each label includes a warning symbol (flame, skull and crossbones, or a person being crushed), a warning triangle with an exclamation mark, and text in English and Spanish. The labels are arranged in a grid:

- Label 1: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 2: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 3: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 4: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 5: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 6: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 7: DANGER. CRUSH HAZARD! Do not climb on main frame of excavator. Do not operate and maintain it.
- Label 8: WARNING. Flammable liquid or gas. Keep away from heat. No smoking. Do not breathe vapors. Do not get on or off of engine. Do not drink or eat while operating. Do not use open flame to start engine.
- Label 9: WARNING. CRUSH HAZARD! Do not climb on main frame of excavator. Do not operate and maintain it.
- Label 11: WARNING. SEVERE HAZARD! Do not climb on main frame of excavator. Do not operate and maintain it.
- Label 12: WARNING. SEVERE HAZARD! Do not climb on main frame of excavator. Do not operate and maintain it.
- Label 16: WARNING. CRUSH HAZARD! Do not climb on main frame of excavator. Do not operate and maintain it.

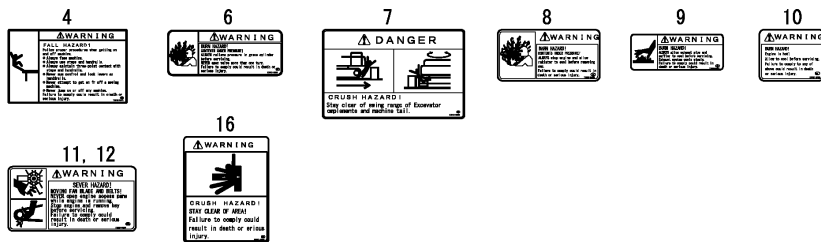
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08120	LABEL SET,OUT EX	1							
2	2	172B11-03140	LABEL,TYPE	2							
3	2	172B11-03160	LABEL,REAR EMBLEM	1							
4	2	172472-03141	LABEL, SUPPORT	1							
5	2	172A65-03230	LABEL,YANMAR 627	2							
6	2	172437-03352	LABEL, CYLINDER	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	1							
15	2	172437-03511	LABEL, HOOK	3							
16	2	172187-03941	LABEL, BOOM US	2							
17	2	114110-07761	LABEL, FUEL OIL CAUT	1							
18	1	172A89-03500	EMBLEM ASSY	1							

Fig.179. (1A)LABEL(EXTERIOR)(FROM MAF001)

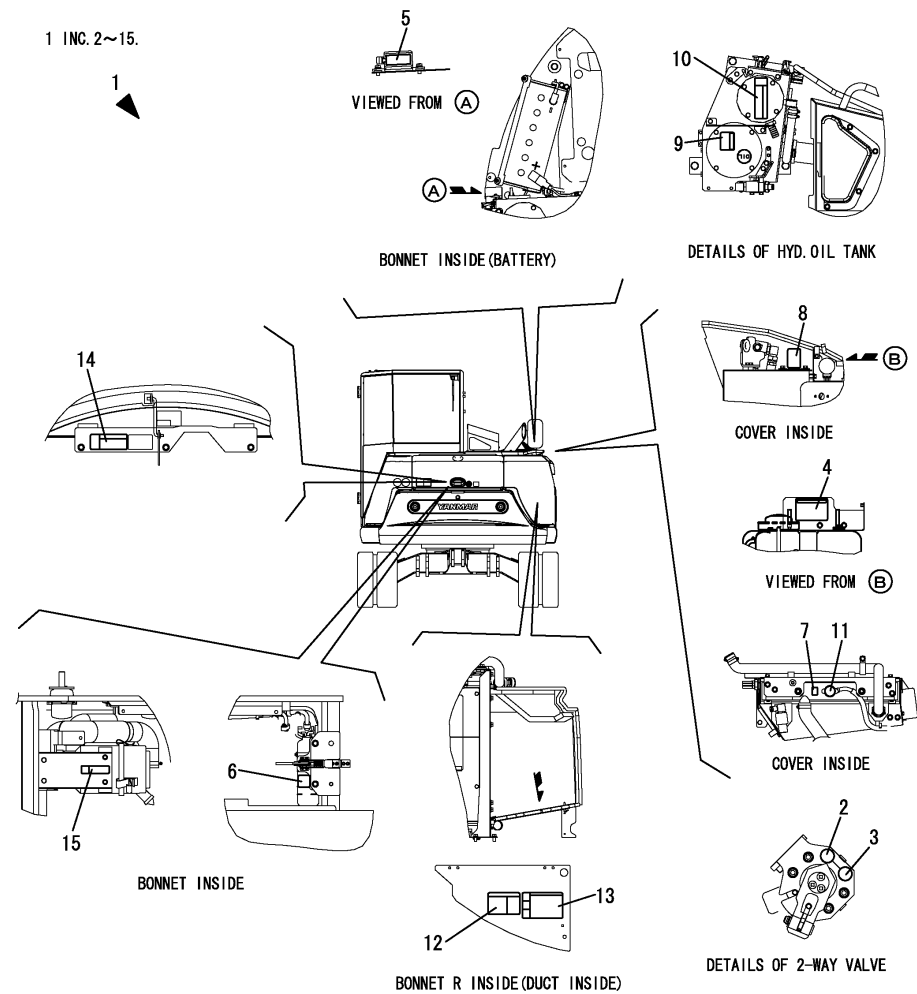


MACHINE SERIAL No.
IS STAMPED INTO
THIS LOCATION.

SAFETY LABEL



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172B11-08121	LABEL SET,OUT EX D	1					
2	2	172B04-03980	LABEL, REFLECTOR M	2					
3	2	172B11-04790	LABEL,REAR 80	1					
4	2	172472-03141	LABEL, SUPPORT	1					
5	2	172A86-03840	LABEL,YANMAR 800 B	2					
6	2	172437-03352	LABEL, CYLINDER	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	1					
15	2	172437-03511	LABEL, HOOK	3					
16	2	172187-03941	LABEL, BOOM US	2					
17	2	114110-07761	LABEL, FUEL OIL CAUT	1					
18	2	172B11-03470	LABEL,MODEL VIO80 R	1					
19	2	172B11-03480	LABEL,MODEL VIO80 L	1					
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	172B11-08360	LABEL SET,IN US T4	1							
2	2	172437-03610	LABEL	1							
3	2	172437-03620	LABEL	1							
4	2	172A69-03130	LABEL,GREASING US	1							
5	2	172B11-03170	LABEL,LF	1							
6	2	172A38-03201	LABEL, SUB TANK	1							
7	2	172A38-03211	LABEL, ANTI-FREEZING	1							
8	2	172A69-03270	LABEL,PTO SELECT	1							
9	2	172463-03290	LABEL, HYD.OIL	1							
10	2	172437-03322	LABEL, RESEVOIR	1							
11	2	172462-03320	LABEL, RADIATOR	1							
12	2	172A69-03350	LABEL,BATTERY COVER	1							
13	2	172437-03361	LABEL, BATTERY	1							
14	2	172B03-03390	LABEL,SILENCER EX	1							
15	2	172125-03951	LABEL, AIR CLEANER	1							

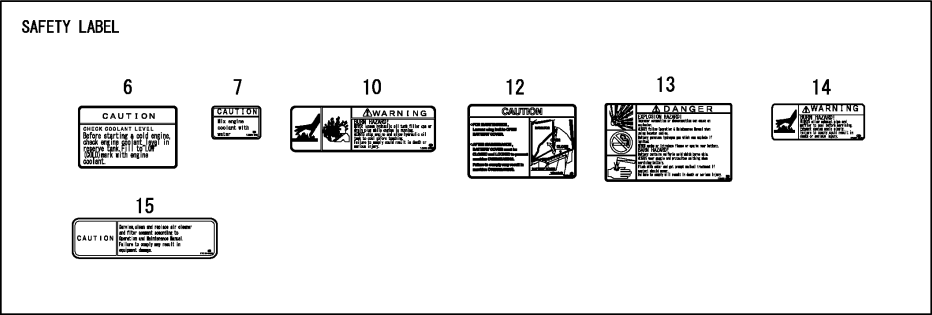
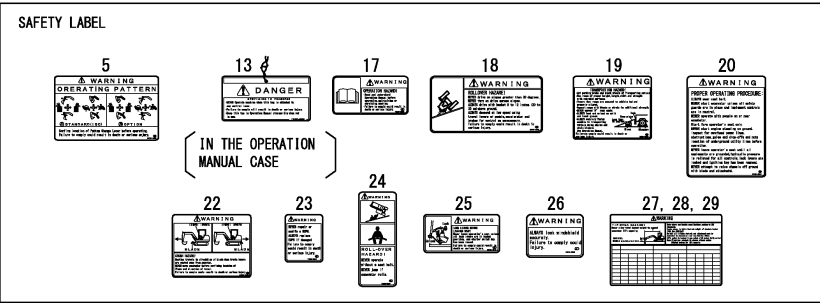
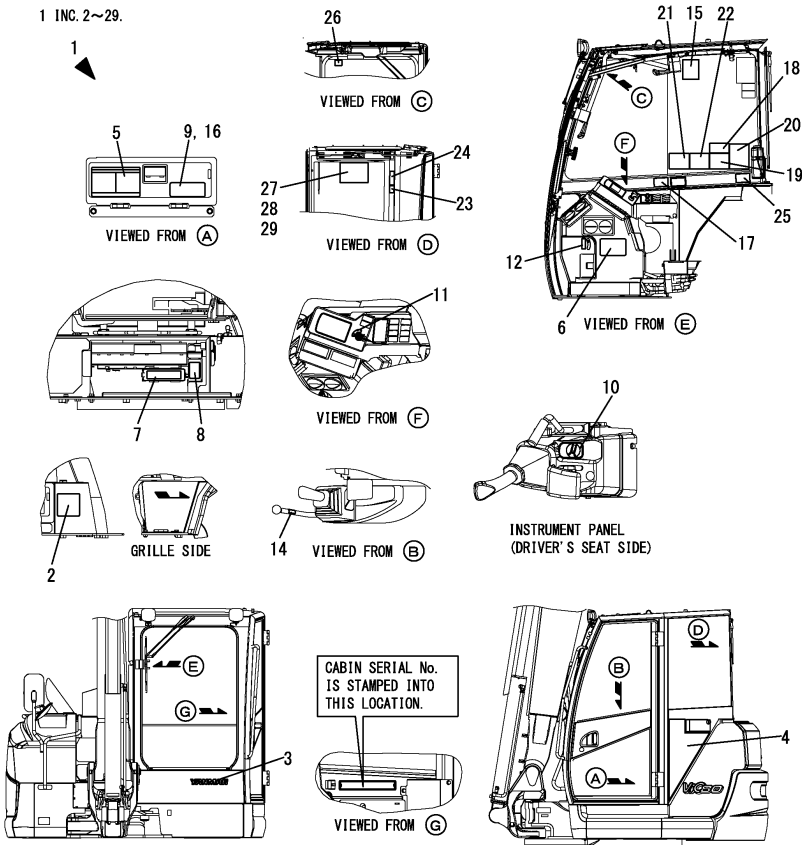


Fig.3. LABEL(CABIN)(TO MAF000)

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

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



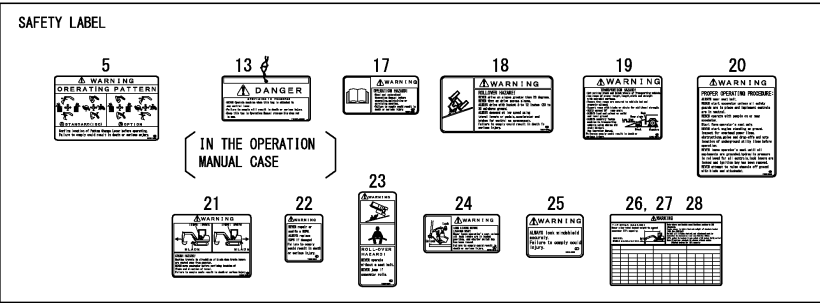
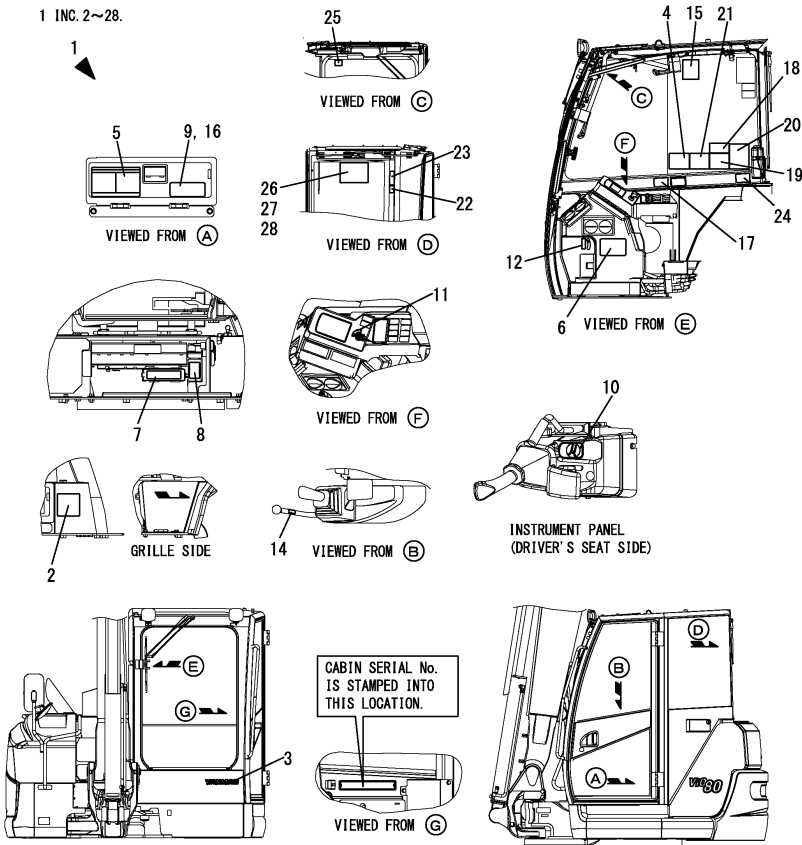
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08410	LABEL SET,CAB US T4	1							
2	2	172463-03281	LABEL,ADJUST CRAWLER	1							1
3	2	172B11-03300	LABEL,BRANDLOGO 315	1							
4	2	172B11-03310	LABEL,CAB SIDE	1							
5	2	172437-03601	LABEL, 2-WAY US	1							
6	2	172B11-03110	LABEL, FEED T4	1							
7	2	172B11-03130	LABEL,RELAY BOX	1							
8	2	172B11-03150	LABEL,FUSE BOX T4	1							
9	2	172B11-03180	LABEL, SPEC US T4	1							
10	2	172A69-03220	LABEL,ACCELERATOR	1							
11	2	172B03-03220	LABEL,SW	1							
12	2	172B03-03240	LABEL,AIR SELECT	1							
13	2	172437-03252	TAG ASSY, CAUTION	1							
14	2	172183-03280	LABEL, LOCK	1							
15	2	172B04-03370	LABEL, DPF EX	1							
16	2	172B11-03380	LABEL, SPEC US T4	1							2
17	2	172437-03302	LABEL, MANUAL	1							
18	2	172437-03312	LABEL, SLOPE	1							
19	2	172437-03343	LABEL, TRANSPORT	1							
20	2	172437-03372	LABEL, NEUTRAL	1							
21	2	172B11-03400	LABEL, OPERATION	1							
22	2	172437-03432	LABEL, STEERING	1							
23	2	172437-03441	LABEL, ROPS	1							
24	2	172437-03451	LABEL, SEAT BELT	1							
25	2	172437-03471	LABEL, LEVER LOCK	1							
26	2	172437-03551	LABEL, WINDOW US	1							
27	2	172B11-03860	LABEL, LIFT Q US	1							
28	2	172B11-03930	LABEL, LIFT US LONG	1							3
29	2	172B11-03890	LABEL, LIFT US	1							2

Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Rubber crawler specification.
(2)Without quick coupler specification.
(3)Long arm specification.

Fig.180. (3A)LABEL(CABIN)(FROM MAF001)

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

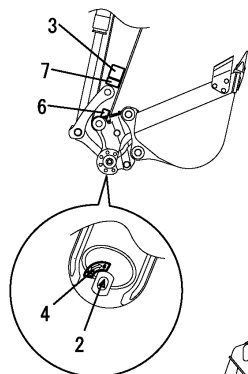
(D)=
(E)=
(F)=



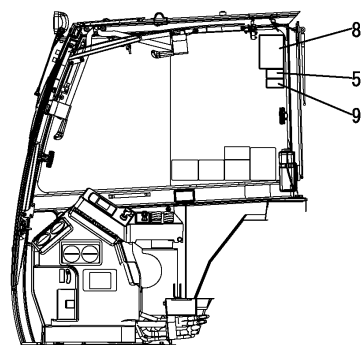
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08411	LABEL SET,CAB US T4D	1							
2	2	172463-03281	LABEL,ADJUST CRAWLER	1							1
3	2	172A86-03480	LABEL,YANMAR 280 W	1							
4	2	172B11-03400	LABEL, OPERATION	1							
5	2	172437-03601	LABEL, 2-WAY US	1							
6	2	172B11-03110	LABEL, FEED T4	1							
7	2	172B11-03130	LABEL,RELAY BOX	1							
8	2	172B11-03150	LABEL,FUSE BOX T4	1							
9	2	172B11-03180	LABEL, SPEC US T4	1							
10	2	172A69-03220	LABEL,ACCELERATOR	1							
11	2	172B03-03220	LABEL,SW	1							
12	2	172B03-03240	LABEL,AIR SELECT	1							
13	2	172437-03252	TAG ASSY, CAUTION	1							
14	2	172183-03280	LABEL, LOCK	1							
15	2	172B04-03370	LABEL, DPF EX	1							Z
16	2	172B11-03380	LABEL, SPEC US T4	1							Z 2
(A=*2016.10.)											
17	2	172437-03302	LABEL, MANUAL	1							
18	2	172437-03312	LABEL, SLOPE	1							
19	2	172437-03343	LABEL, TRANSPORT	1							
20	2	172437-03372	LABEL, NEUTRAL	1							
21	2	172437-03432	LABEL, STEERING	1							
22	2	172437-03441	LABEL, ROPS	1							
23	2	172437-03451	LABEL, SEAT BELT	1							
24	2	172437-03471	LABEL, LEVER LOCK	1							
25	2	172437-03551	LABEL, WINDOW US	1							
26	2	172B11-03860	LABEL, LIFT Q US	1							
27	2	172B11-03930	LABEL, LIFT US LONG	1							3
28	2	172B11-03890	LABEL, LIFT US	1							2

Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Rubber crawler specification.
(2)Without quick coupler specification.
(3)Long arm specification.

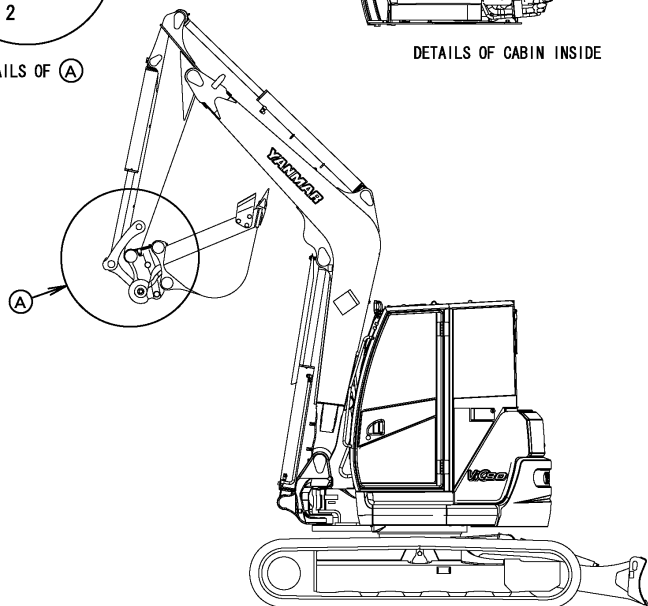
Fig.4. LABEL(QUICK COUPLER)



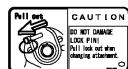
DETAILS OF (A)



DETAILS OF CABIN INSIDE



5



6



7



8



9



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B03-08200	LABEL SET,Q 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

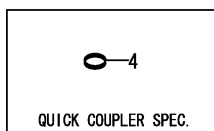
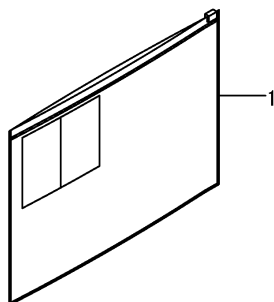
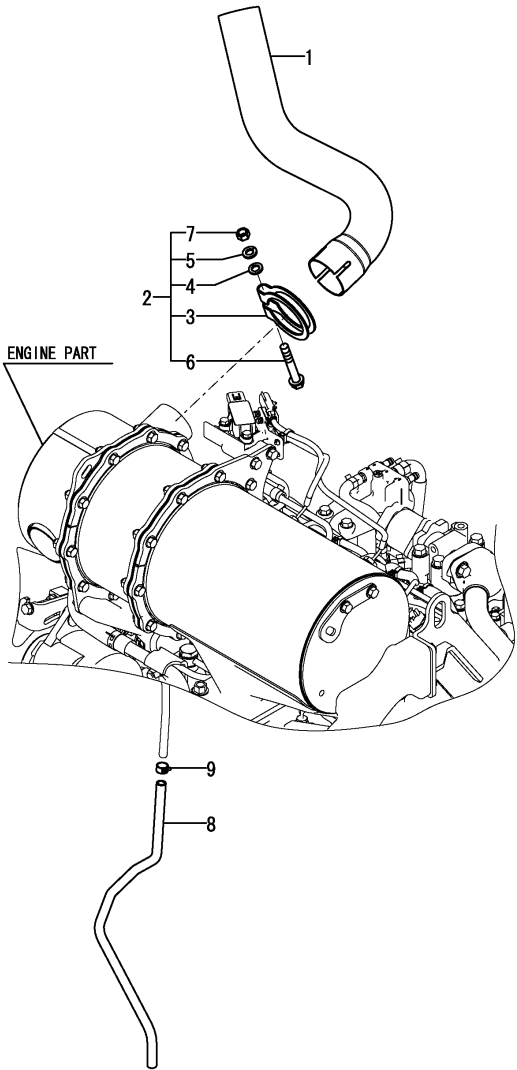
[illegible]

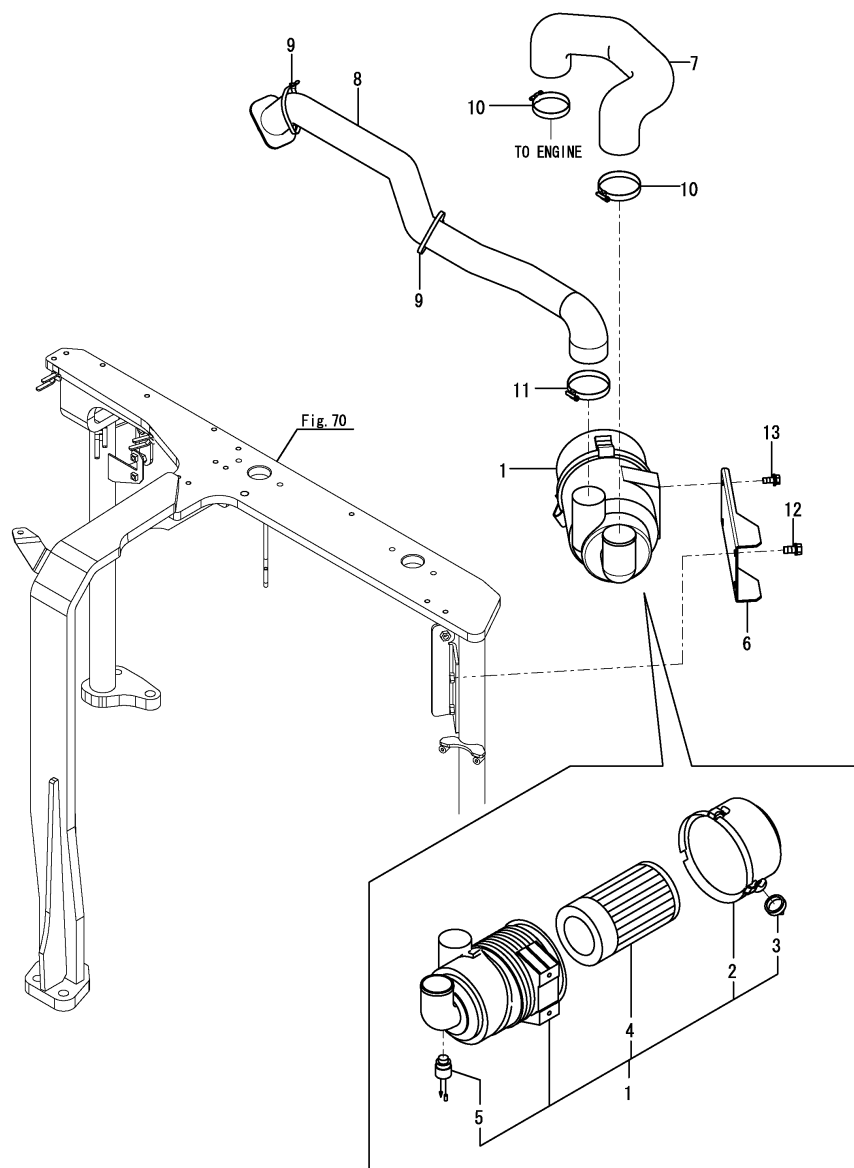
Fig.6. SILENCER



(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(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)											
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)											

Fig.7. AIR CLEANER

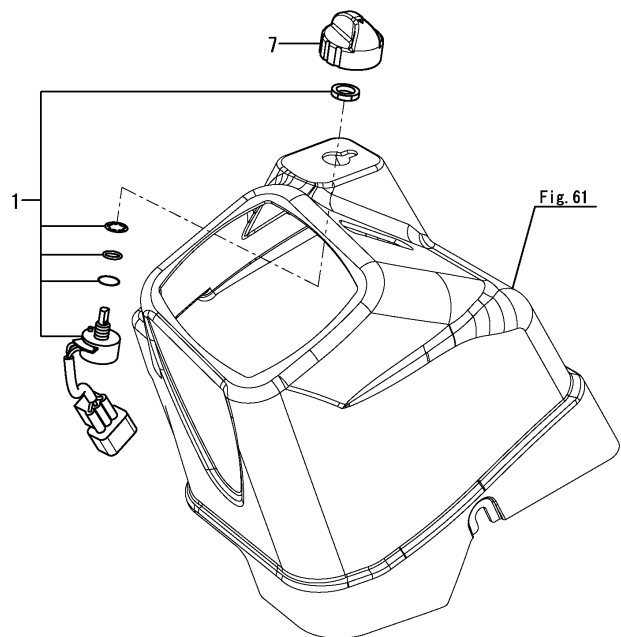


(1) Attach the No.6A label to this part.
(2) Not illustrated.

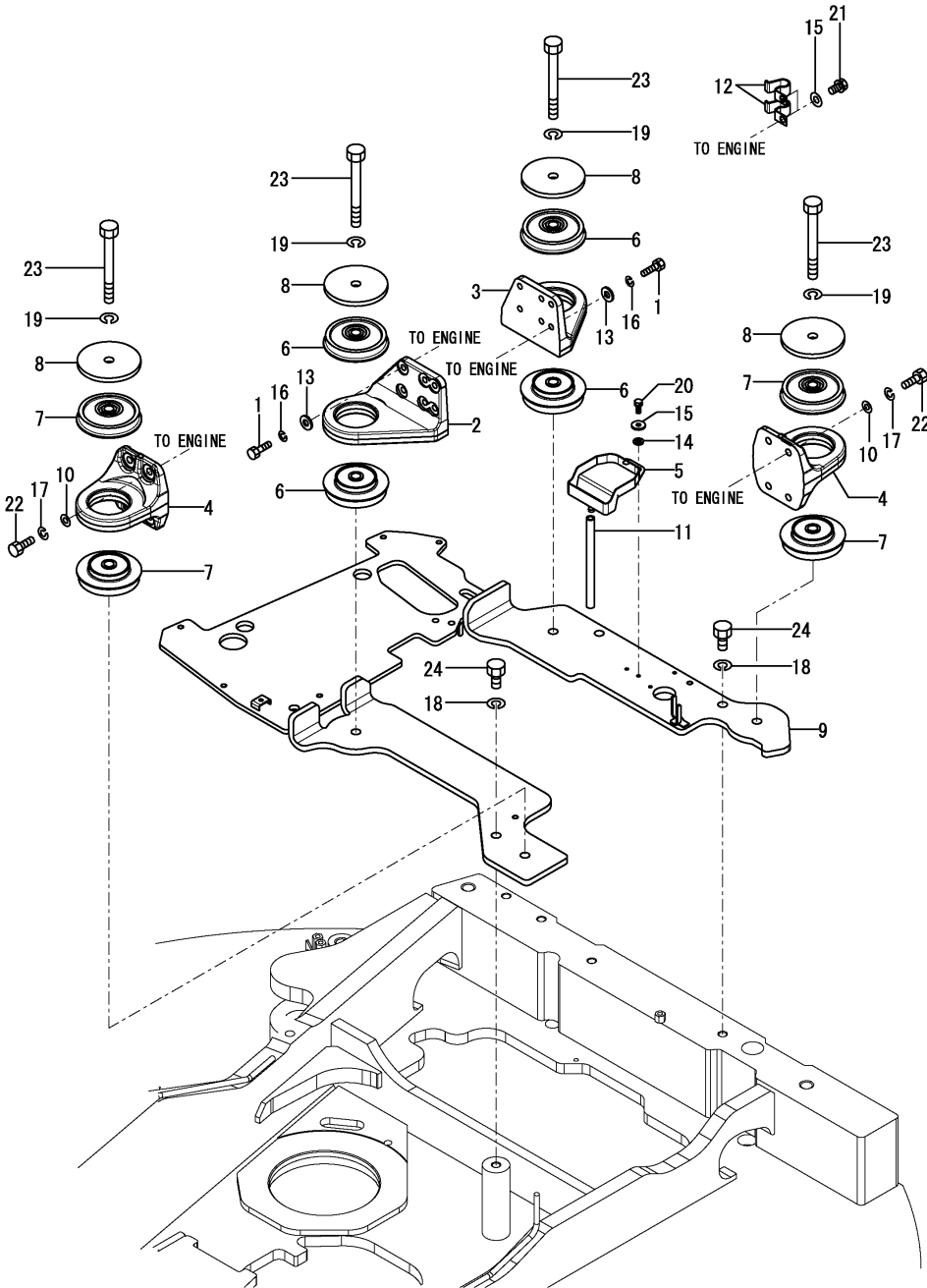
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-11500	AIR CLEANER ASSY	1							
2	2	119160-12530	COVER ASSY	1							
3	2	119160-12540	VALVE	1							
4	2	119160-12560	ELEMENT, OUTER	1							
5	2	119140-12680	INDICATOR	1							
6	1	172A69-11530	BRACKET, CLEANER	1							1
6A	1	172125-03951	LABEL, AIR CLEANER	1							2
7	1	172B11-11550	HOSE, A AIR INTAKE	1							
8	1	172B11-11560	HOSE ASSY, B	1							
9	1	172122-79890	CLAMP, HOSE	2							
10	1	23000-080000	CLAMP, 80	2							
11	1	23000-090000	CLAMP, 90	1							
12	1	26013-100202	BOLT, M10X 20	2							
13	1	26014-080202	BOLT, M8X 20	2							

Fig.8. ACCELERATOR



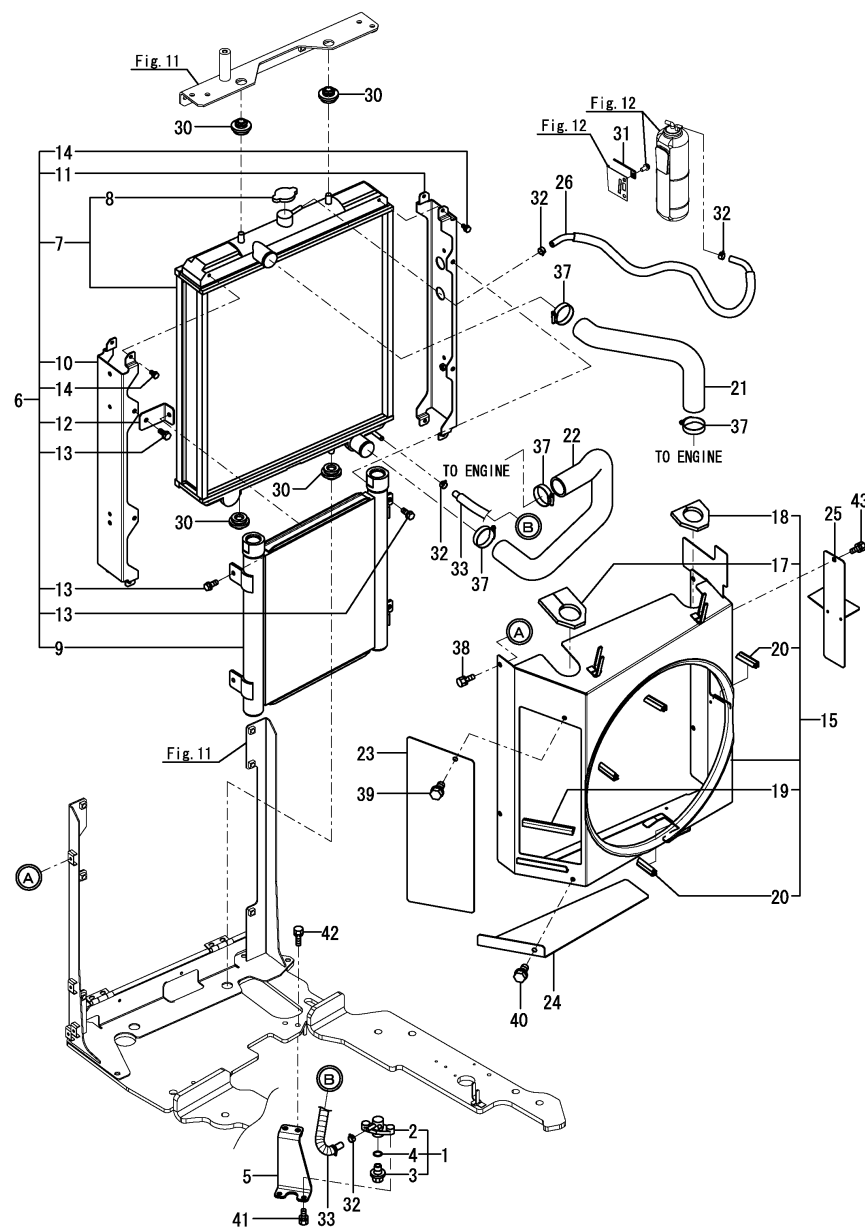
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-12100	VOLUME, ACCEL ASSY	1							
7	1	172A69-12120	KNOB ASSY	1							



(A)=VIO80-1A C(US)
(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	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	SUMP, OIL	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	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							

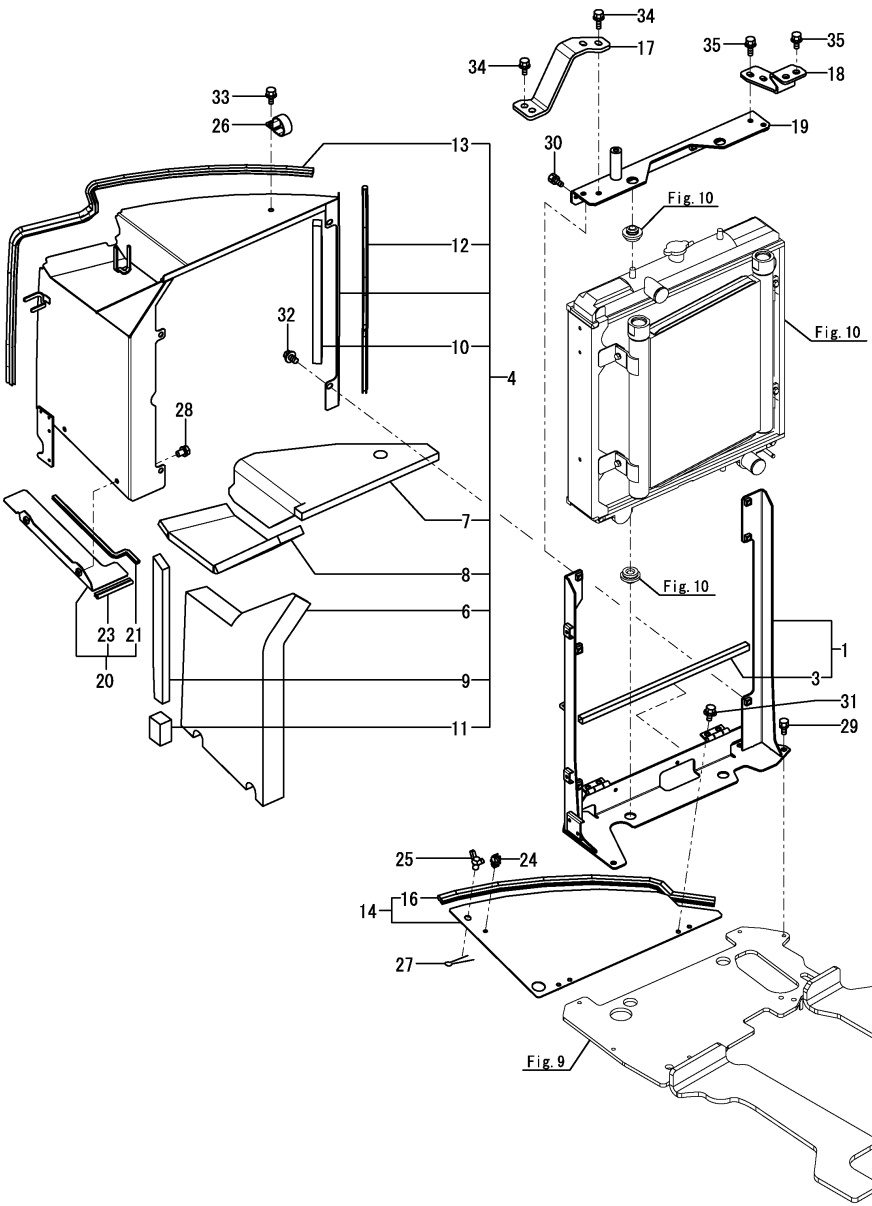


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-13210	COCK ASSY, 2-WAY	1							
2	2	172444-13220	BODY	1							
3	2	121250-49121	PLUG, DRAIN	1							
4	2	24311-000160	O-RING, 1AP16.0	1							
5	1	172A69-13230	PLATE ASSY, COCK	1							
6	1	172B11-13300	RADIATOR ASSY	1							
7	2	172B11-13310	RADIATOR ASSY, SUB	1							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							
14A	1	172A38-03211	LABEL, ANTI-FREEZING	1							2
15	1	172B11-13500	SHROUD ASSY	1							
17	2	172A89-13550	SPONGE	1							
18	2	172B11-13560	SPONGE, SEAL	1							
19	2	172458-61500	RUBBER, SEAL	1							
20	2	172458-61510	RUBBER, SEAL	2							
21	1	172B11-13570	HOSE,CW-T A	1							
22	1	172B11-13580	HOSE,CW B	1							
23	1	172A89-13800	COVER, SHROUD	1							
24	1	172A89-13810	COVER, SHROUD	1							
25	1	172A89-13820	COVER ASSY, SHROUD	1							
26	1	172A46-14610	FO HOSE ASSY,520	1							
30	1	184015-44680	ABSORBER, SHOCK	4							
31	1	1A1686-57850	CLAMP, 80	1							
32	1	124766-59050	CLIP, HOSE 11.5	4							
33	1	184014-59450	PIPE ASSY, FUEL	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							

(1) Attach the No.14A label to this part.
(2) Not illustrated.

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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(A)=VIO80-1A C(US)
(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,RAD	1							
3	2	172499-13750	SEAL, DUCT	1							
4	1	172B11-13600	DUCT ASSY, RADIATOR	1							
6	2	172B11-13700	SPONGE, A DUCT	1							
7	2	172B11-13710	SPONGE, B DUCT	1							
8	2	172B11-13720	SPONGE, C DUCT	1							
9	2	172B11-13730	SPONGE, D DUCT	1							
10	2	172B11-13740	SPONGE, E DUCT	1							
11	2	172B11-13790	SPONGE, F DUCT	1							
12	2	172A64-64940	SEAL, 560	1							
13	2	172A64-65160	SEAL, 1170	1							
14	1	172B11-13750	COVER ASSY, DUCT	1							1
16	2	172A89-65850	RUBBER, SEAL 670	1							
16A	1	172A69-03350	LABEL,BATTERY COVER	1							2
16B	1	172437-03361	LABEL, BATTERY	1							2
17	1	172B11-13830	STAY,A RAD	1							
18	1	172B11-13840	STAY,B RAD	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	BOLT, WING	1							
26	1	172146-78150	PLATE, CLAMP	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							

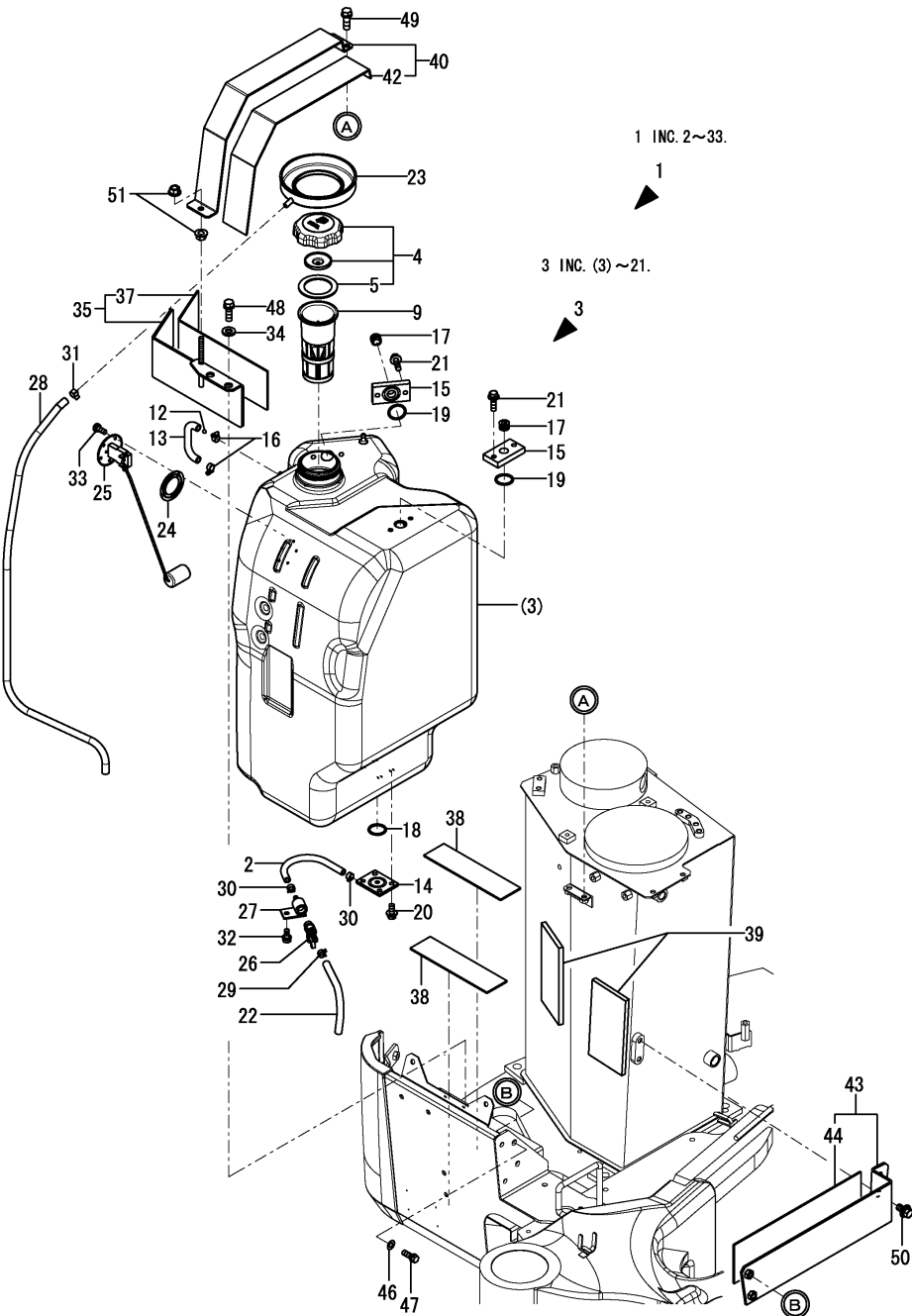
Remarks
(1)Attach the No.16A & 16B label to this part.
(2)Not illustrated.

Fig.13. FUEL TANK

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

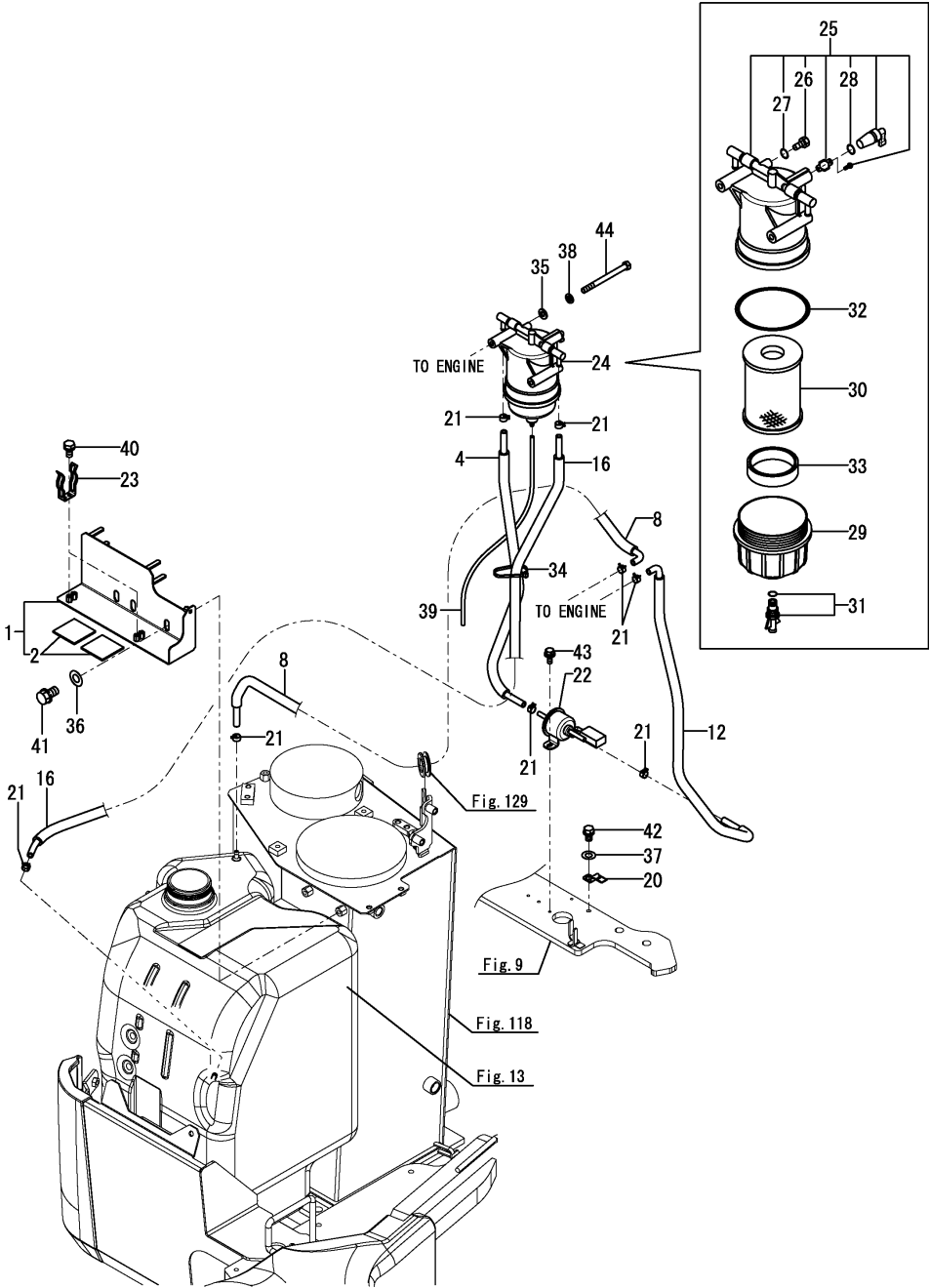
(D)=
(E)=
(F)=

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	1							
3	2	172A69-14110	TANK ASSY, FUEL	1							
4	3	198200-04031	CAP ASSY, FILLER	1							
5	4	198200-04040	GASKET, FUEL CAP	1							
9	3	172A69-14130	NET ASSY, FUEL	1							
12	3	172447-14160	FLOAT	1							
13	3	172458-14203	HOSE, FUEL GAUGE	1							
14	3	172A69-14211	BLOCK ASSY, DRAIN	1							
15	3	172A69-14240	PLATE	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, SPRING M8X 20	4							
21	3	26013-080302	BOLT, SPRING 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	1							
29	2	106990-44660	CLAMP, HOSE 12.5	1							
30	2	124766-59050	CLAMP, HOSE 11.5	2							
31	2	23080-013000	CLAMP, 13	1							
32	2	26013-080162	BOLT, SPRING M8X 16	1							
33	2	26022-050122	SCREW, M5X12	5							
34	1	194145-04810	WASHER, 10	2							
35	1	172A69-14310	BRACKET ASSY	1							
37	2	172A69-14350	PLATE, RUBBER	1							
38	1	172A69-14370	PLATE, RUBBER	2							
39	1	172A89-14380	SPONGE, RUBBER	2							
40	1	172A69-14410	BRACKET ASSY	1							
42	2	172A69-14430	PLATE, RUBBER	1							
43	1	172A69-14450	BRACKET ASSY	1							
44	2	172A69-14350	PLATE, RUBBER	1							
46	1	22137-100000	WASHER, 10	2							
47	1	26013-100302	BOLT, SPRING M10X 30	2							
48	1	26013-100302	BOLT, SPRING M10X 30	2							
49	1	26013-100302	BOLT, SPRING M10X 30	2							
50	1	26014-100202	BOLT, M10X 20	2							
51	1	26367-100002	NUT, M10	2							



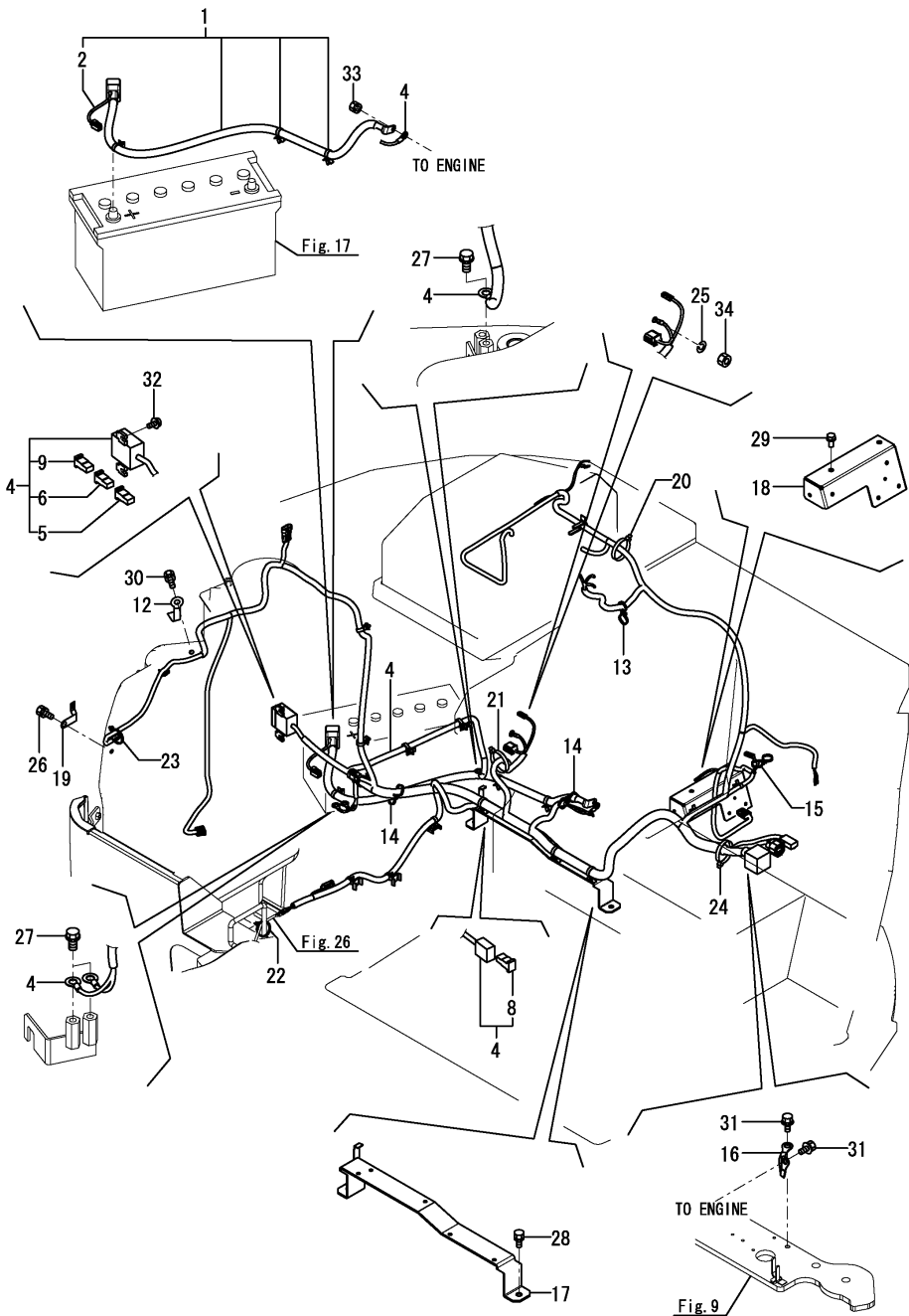
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(B)=
(C)=

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



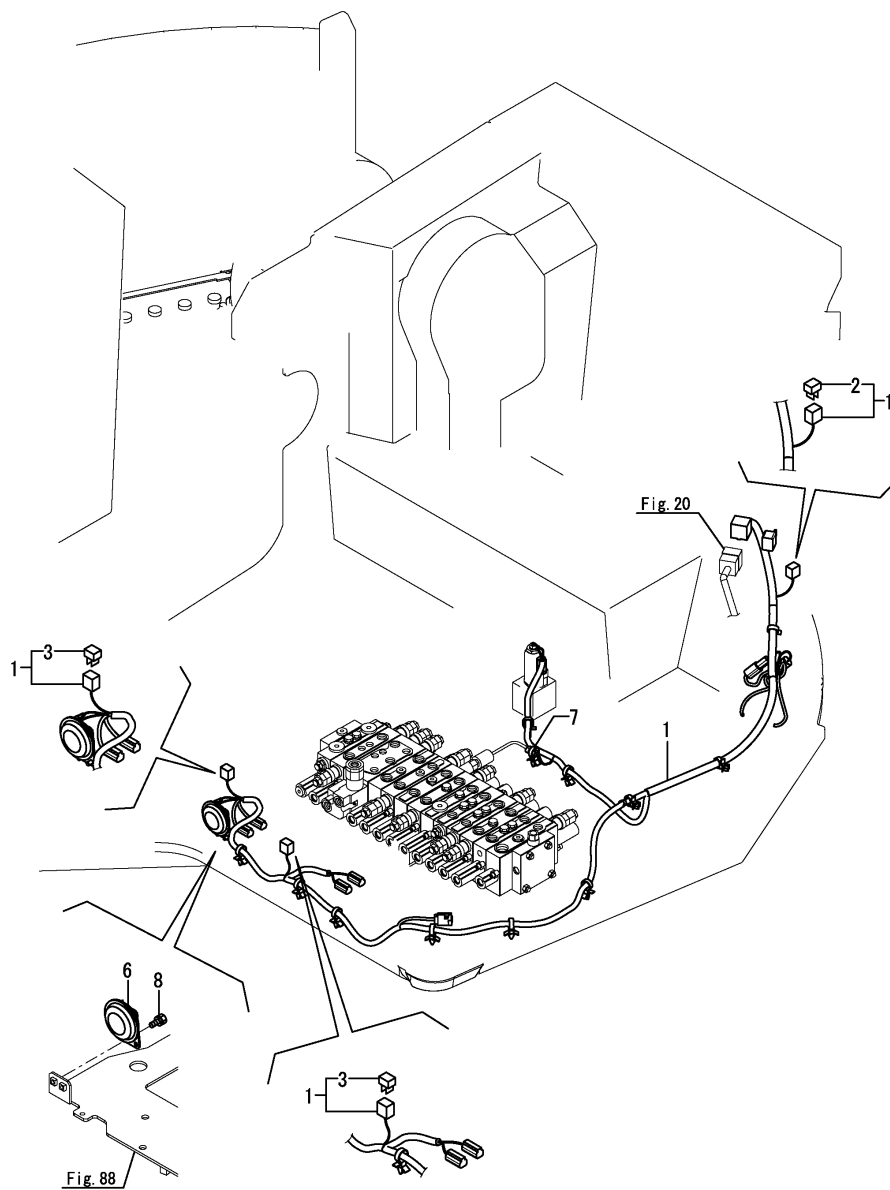
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-14510	BRACKET ASSY, GREASE	1							
2	2	172446-14250	PLATE, RUBBER	2							
4	1	172B11-14700	HOSE ASSY, 850	1							
8	1	172B11-14730	HOSE ASSY, 1700	1							
12	1	172B11-14760	HOSE ASSY, 2600	1							
16	1	172B11-14790	HOSE ASSY, 650	1							
20	1	172460-16700	STAY	1							
21	1	106990-44660	CLIP, HOSE 12.5	8							
22	1	129612-52100	PUMP ASSY, FUEL FEED	1							
23	1	172122-55061	BRACKET, PUMP	2							
24	1	129E22-55700	FILTER ASSY, FUEL	1							
25	2	129E00-55710	BODY ASSY	1							
26	3	129A00-55750	PLUG, BREATHER	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	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, 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. ENGINE



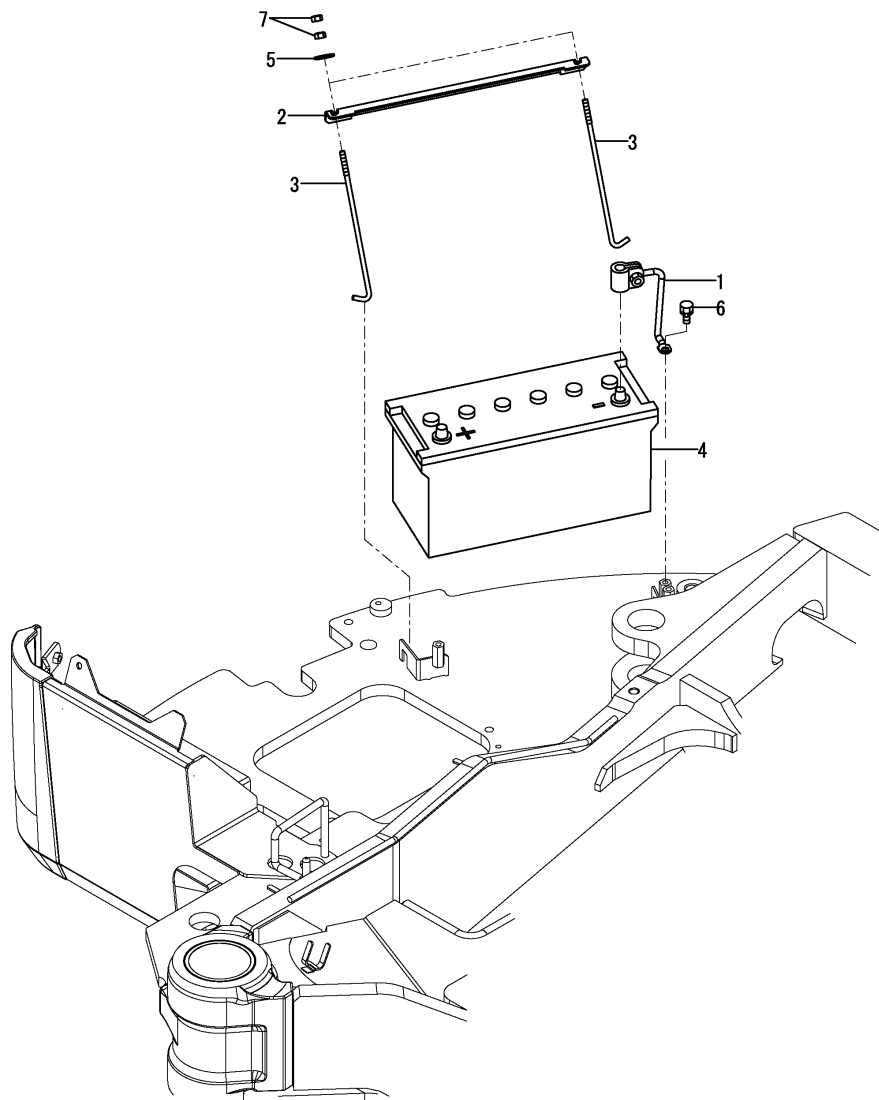
							OCK50-M00260 Fig.15					
							(A)=VIO80-1A C(US)		(D)=			
							(B)=		(E)=			
							(C)=		(F)=			
No.	Lev.	Parts No.	Description	Q'ty		I	R					
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172B11-16100	CABLE ASSY,BATTERY +	1								
2	2	172B11-16120	HARNESS,BATTERY	1								
4	1	172B11-16501	HARNESS ASSY, A	1								
4-1	1	172B11-16502	HARNESS ASSY, A	1							N	
(A=M1B607)												
5	2	1C6900-06180	FUSE, SLOW BLOW 60A	1								
6	2	172A65-16550	FUSE, SLOWBLOW	1								
8	2	1A7810-51750	FUSE, SLOW BLOW 120A	1								
9	2	1E8940-83450	FUSE, SLOW BLOW 100A	1								
12	1	172126-16540	CLAMP	1								
13	1	172137-16560	BAND	1								
14	1	172137-16560	BAND	2								
15	1	172137-16560	BAND	1								
16	1	172187-16600	CORD, ENGINE EARTH	1								
17	1	172B11-16650	SUPPORT ASSY,B	1								
18	1	172B11-16660	SUPPORT, HARNESS A	1								
19	1	172A69-16700	BRACKET	1								
20	1	194202-56460	BAND, 200	1								
21	1	194202-56460	BAND, 200	1								
22	1	194202-56460	BAND, 200	1								
23	1	194202-56460	BAND, 200	1								
24	1	194202-56460	BAND, 200	1								
25	1	22217-080000	WASHER, SPRING 8	1								
26	1	26013-080162	BOLT, SPRING M8X 16	1								
27	1	26013-100162	BOLT, SPRING M10X 16	3								
28	1	26013-100202	BOLT, SPRING M10X 20	2								
29	1	26013-100202	BOLT, SPRING M10X 20	2								
30	1	26014-080162	BOLT, M8X 16	1								
31	1	26014-100162	BOLT, M10X 16	2								
32	1	26023-060122	SCREW, M6X12	2								
33	1	26051-080002	NUT, M8	1								
34	1	26716-080002	NUT, M8	1								

Fig.16. VALVE PLATE

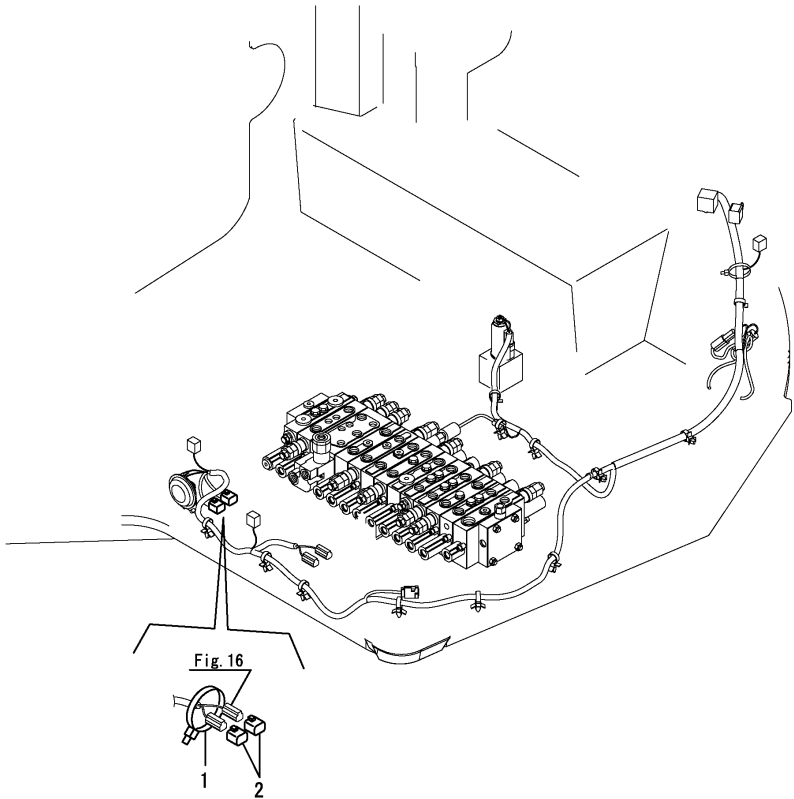


No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-16620	HARNESS ASSY, D	1							
2	2	172649-16560	DIODE, 1.5-3PA	1							
3	2	1E8465-83170	DIODE, 090 1.5A	2							
6	1	194151-57100	HORN	1							
7	1	1E8775-84120	CLAMP, BAND	1							
8	1	26013-060122	BOLT, M6X 12	2							

Fig.17. BATTERY

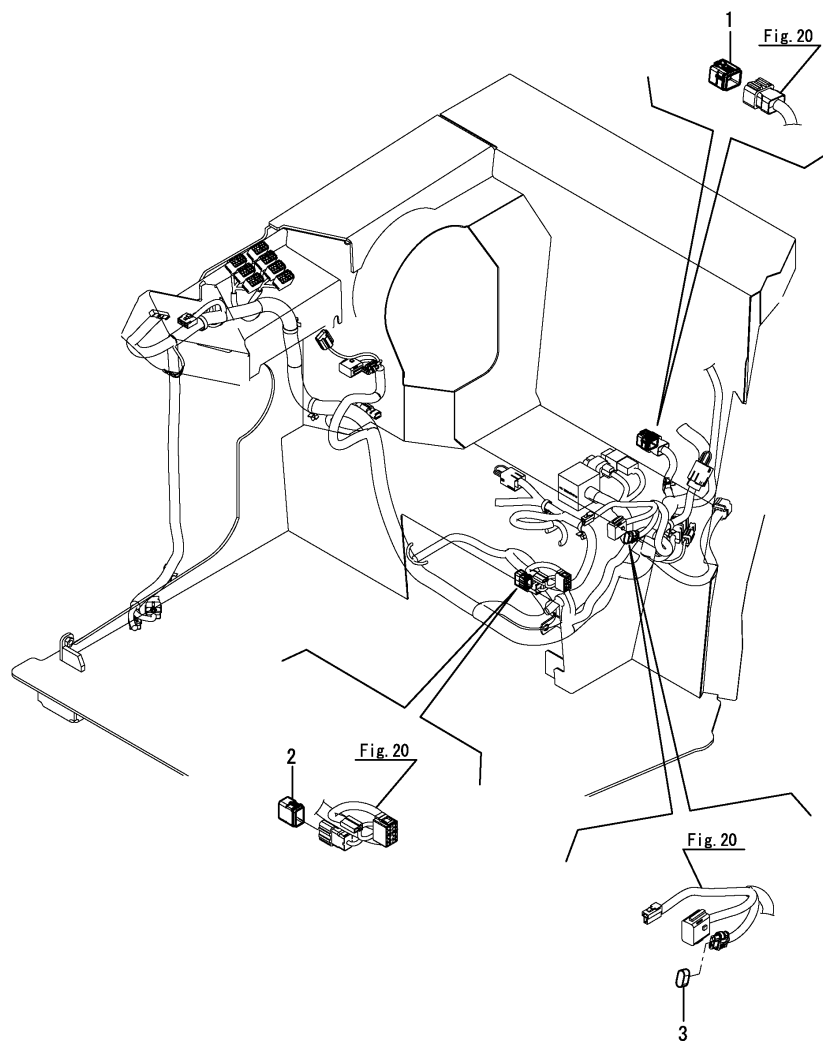


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172187-16110	CORD, BATTERY	1							
2	1	172112-16201	RETAINER, BATTERY	1							
3	1	172164-16370	ROD	2							
4	1	1E8080-83321	BATTERY, 130E41R	1							
5	1	22157-080000	WASHER, 8	2							
6	1	26013-100162	BOLT, M10X 16	1							
7	1	26716-080002	NUT, M8	4							



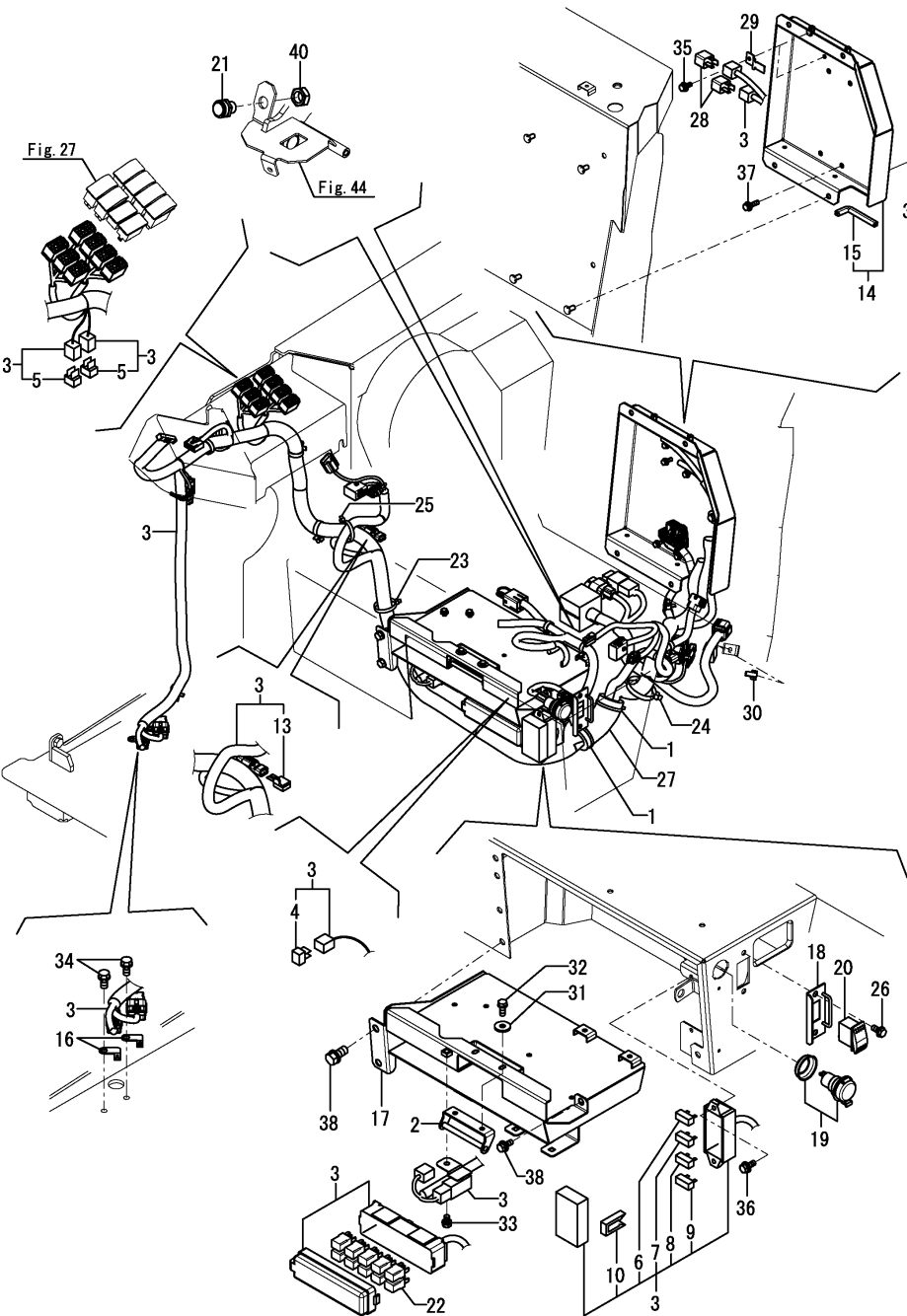
				(A)=VIO80-1A C(US)	OCK50-M00260 Fig.18							
				(B)=	(D)=							
				(C)=	(E)=							
					(F)=							
No.	Lev.	Parts No.	Description		Q'ty						I	R
					(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND		1							
2	1	172A69-16480	CONNECTOR,DUMMY		2							

Fig.19. COUPLER



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(B)=	(C)=	(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.20. SEAT MOUNT



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	2							
2	1	172B11-16350	CATCH ASSY, LOCK	1							
3	1	172B11-16440	HARNESS ASSY, B	1							
4	2	172649-16560	DIODE, 1.5-3PA	3							
5	2	1A6382-51510	RESISTOR, 2W,R120	2							
6	2	198535-52110	FUSE	8							
7	2	198535-52120	FUSE	4							
8	2	198535-52140	FUSE, 20A	6							
9	2	198535-52170	FUSE	4							
10	2	1E9570-83900	MINI FUSE PULLER	1							
13	2	1E8235-84910	DIODE, 090 3A	9							
14	1	172B11-16601	BRACKET ASSY, E-ECU	1							
15	2	172456-13470	RUBBER 100	1							
16	1	172A69-16700	BRACKET	2							
17	1	172B11-16900	BRACKET ASSY,CR	1							
18	1	172A89-17180	PLATE ASSY,SWITCH	1							
19	1	172A64-17250	SOCKET ASSY	1							
20	1	172A69-17260	SWITCH, ENGINE STOP	1							
21	1	194464-52190	SWITCH, SAFETY START	1							
22	1	1A7522-52950	RELAY, ACM13221M19	10							
23	1	194202-56460	BAND, 200	1							
24	1	194202-56460	BAND, 200	1							
25	1	194202-56460	BAND, 200	1							
26	1	172519-63240	BOLT	2							
27	1	172445-68650	SPONGE, HOSE	1							
28	1	129927-77900	RELAY	2							
29	1	129927-77910	BRACKET, CONNECTOR	2							
30	1	1E8490-84130	CLAMP, BAND	1							
31	1	22157-060000	WASHER, 6	2							
32	1	26013-060122	BOLT, M6X 12	2							
33	1	26013-080122	BOLT, M8X 12	1							
34	1	26013-080162	BOLT, M8X 16	2							
35	1	26014-060162	BOLT, M6X 16	2							
36	1	26014-060162	BOLT, M6X 16	2							
37	1	26014-060252	BOLT, M6X 25	4							
38	1	26014-100202	BOLT, M10X 20	3							
39	1	26051-080002	NUT, M8	4							
40	1	26776-180002	NUT, LOCK M18	1							

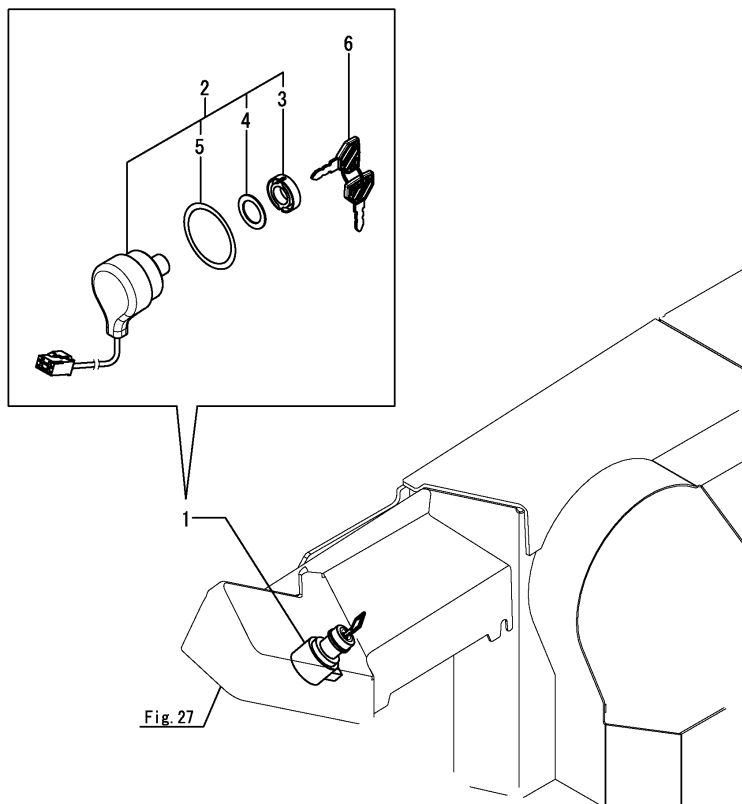
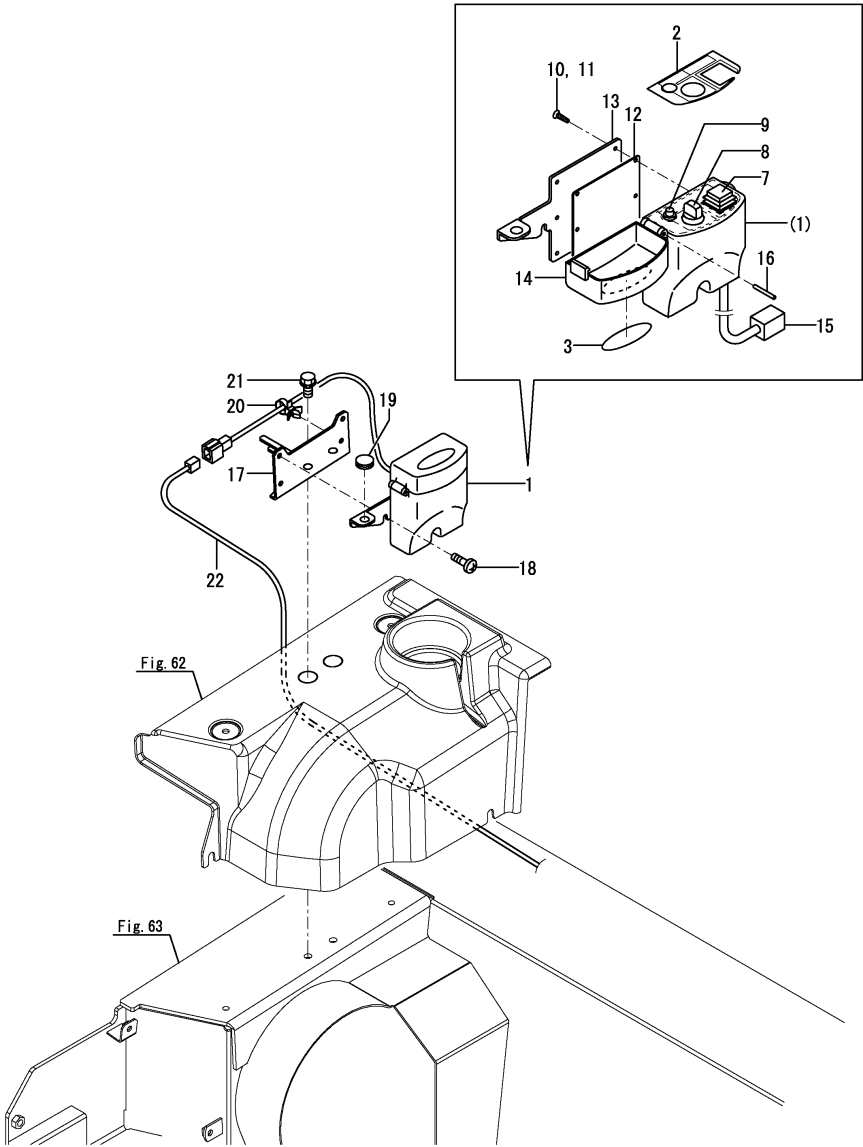


Fig. 27

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-17100	SWITCH ASSY, STARTER	1							
2	2	172B11-17110	CYLINDER ASSY, KEY	1							
3	3	172B11-17120	NUT, RING	1							
4	3	172B11-17130	WASHER	1							
5	3	172B11-17140	O-RING	1							
6	2	198360-52160	KEY ASSY	1							

Fig.22. QUICK COUPLER(SWITCH BOX)



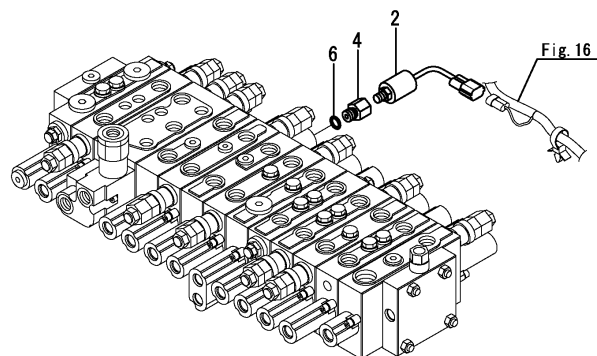
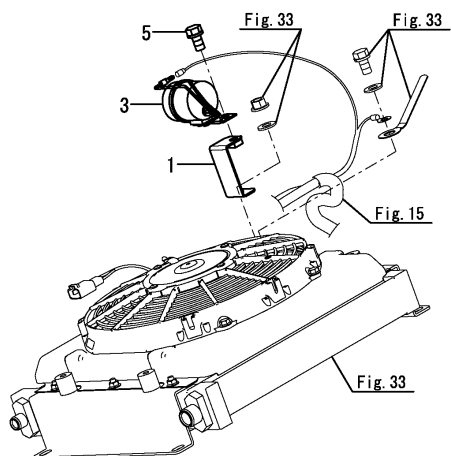
Remarks
(1)Color = DARK OLIVE GRAY.
(2)Color = PANTONE 425C.

(A)=VIO80-1A C(US)
(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	1							
9	3	172958-17160	LAMP, INDICATOR	1							
10	3	172958-17170	SCREW, TAPPING	6							
11	3	172958-17180	SCREW, TAPPING	2							
12	3	172958-17190	PACKING	1							
13	3	172958-17200	BRACKET	1							
14	3	172958-17210	CASE	1							1
14-1	3	172958-17230	CASE,UPPER	1						S	2
(A=MAF001)											
15	3	172958-17220	CORD	1							
16	3	22351-030028	PIN, SPRING 3.0X28	1							
17	1	172A89-17150	QH BRACKET ASSY	1							
18	1	172137-46210	SCREW	2							
19	1	172187-64900	PLUG	1							
20	1	1E8775-84120	CLAMP, BAND	1							
21	1	26013-100252	BOLT, SPRING M10X 25	2							
22	1	172B11-16270	HARNESS,QH	1							

Fig.23. TRAVEL ALARM



				(A)=VIO80-1A C(US)	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
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,PF1/4PT1/8	1							
5	1	26013-080162	BOLT, M8X 16	1							
6	1	41851-000110	O-RING	1							

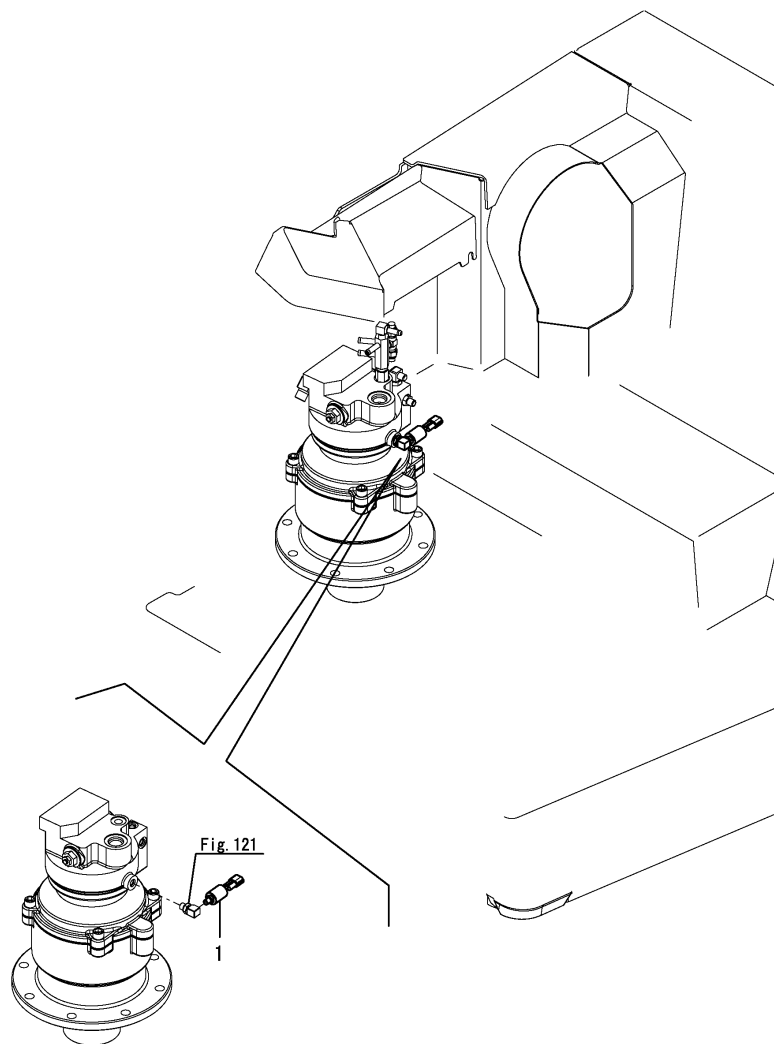
[illegible]

Fig.25. CONTROLLER

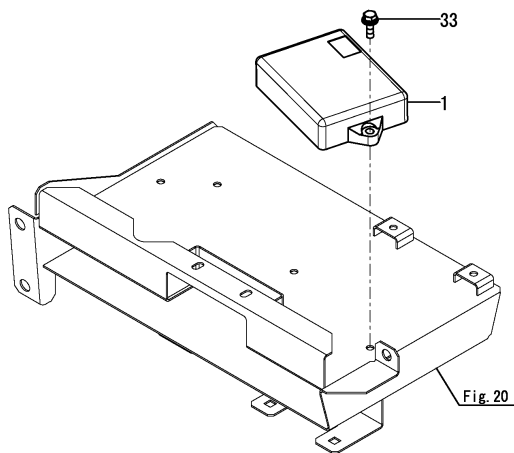


Fig. 20

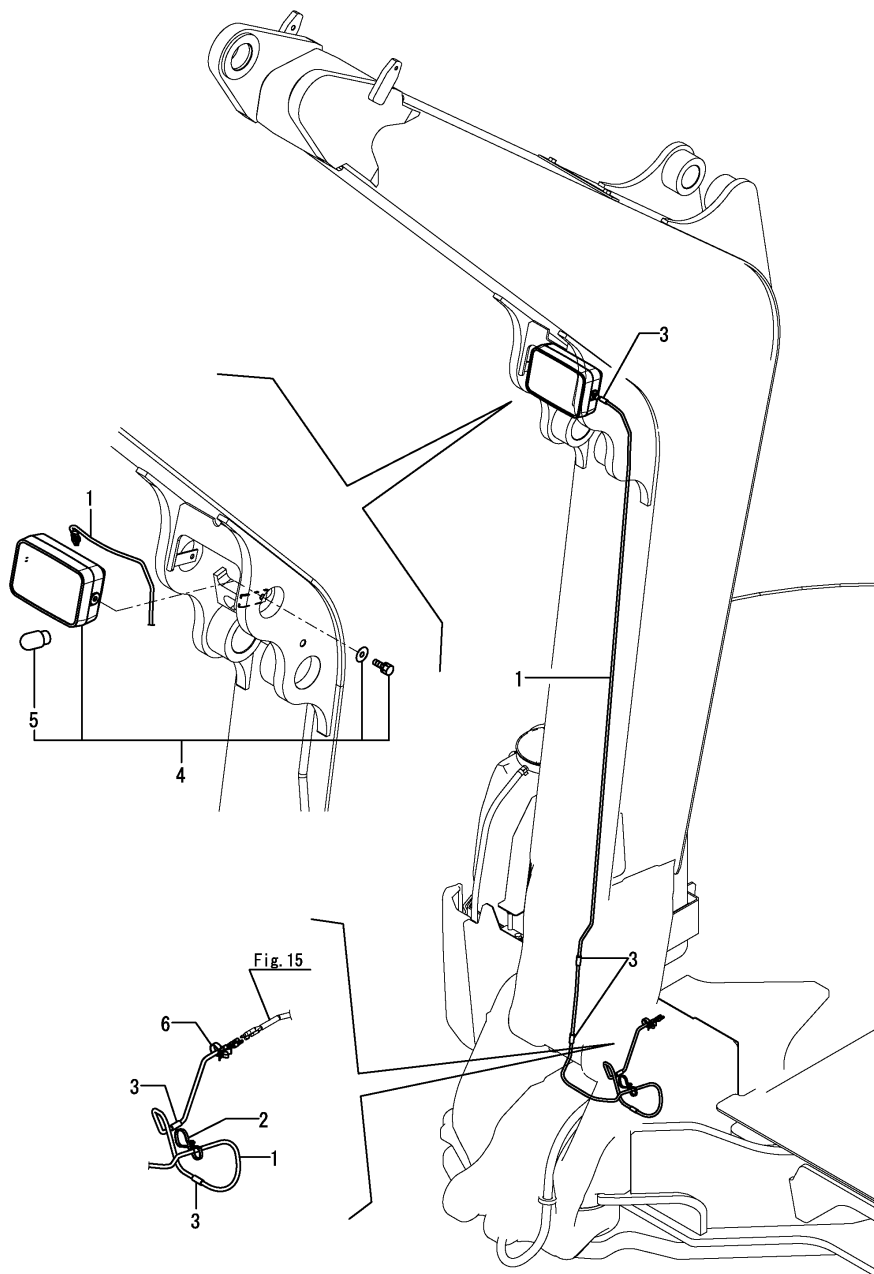
(A)=VIO80-1A C(US)
(B)=
(C)=

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

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

Remarks
(1)Spare parts.
Please contact any authorized distributor nearest to install a proper infomation.

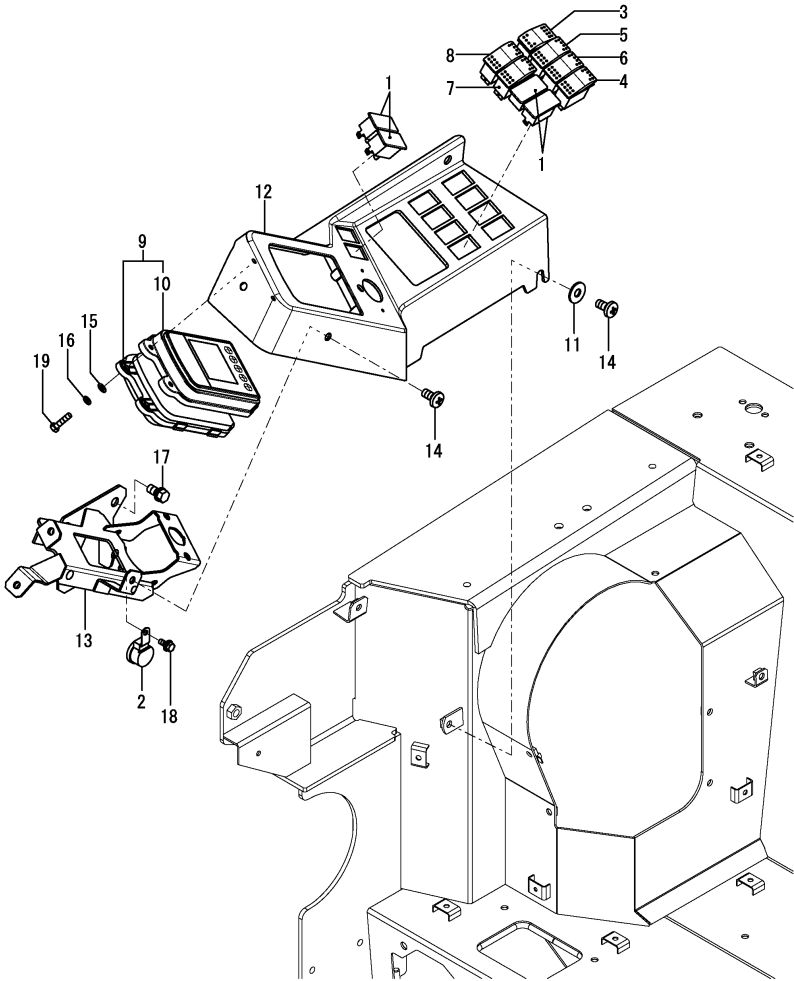
Fig.26. WORK LAMP



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-16440	HARNESS, WIRE	1							
2	1	172137-16560	BAND	1							
3	1	172B11-16780	RUBBER, CLAMP A	5							
4	1	172162-17400	LAMP ASSY, WORK	1							
5	2	172141-17211	BULB	1							
6	1	1E8775-84120	CLAMP, BAND	1							

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

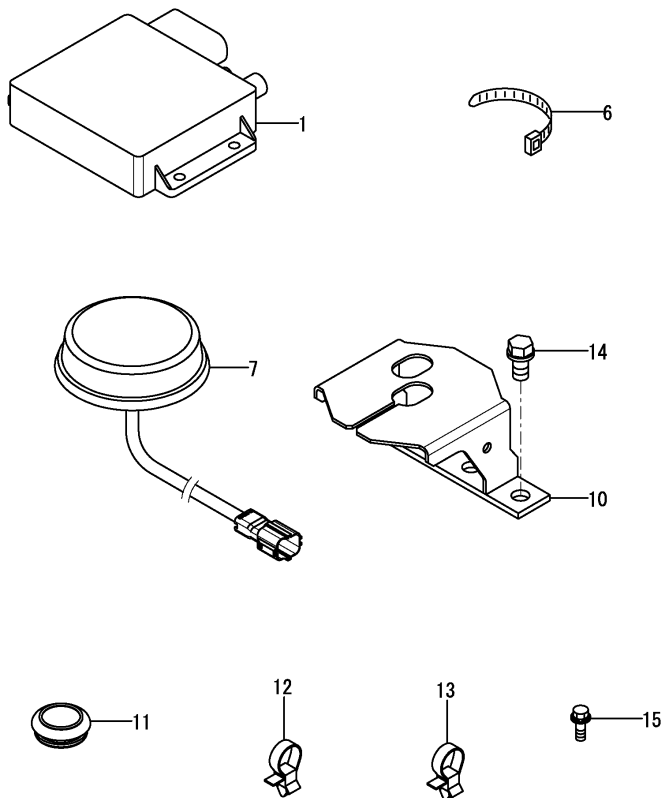
(D)=
(E)=
(F)=



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	172B03-17255	MONITOR ASSY	1							
10	2	172B03-17261	MONITOR ASSY,UPPER	1							
11	1	172458-62430	WASHER	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, INPANE	1							
14	1	172137-69850	SCREW	4							
15	1	22137-050000	WASHER, 5	4							
16	1	22217-050000	WASHER, SPRING 5	4							
17	1	26013-100202	BOLT, SPRING M10X 20	3							
18	1	26014-060162	BOLT, M6X 16	1							
19	1	26116-050202	BOLT, M5X 20 PLATED	4							

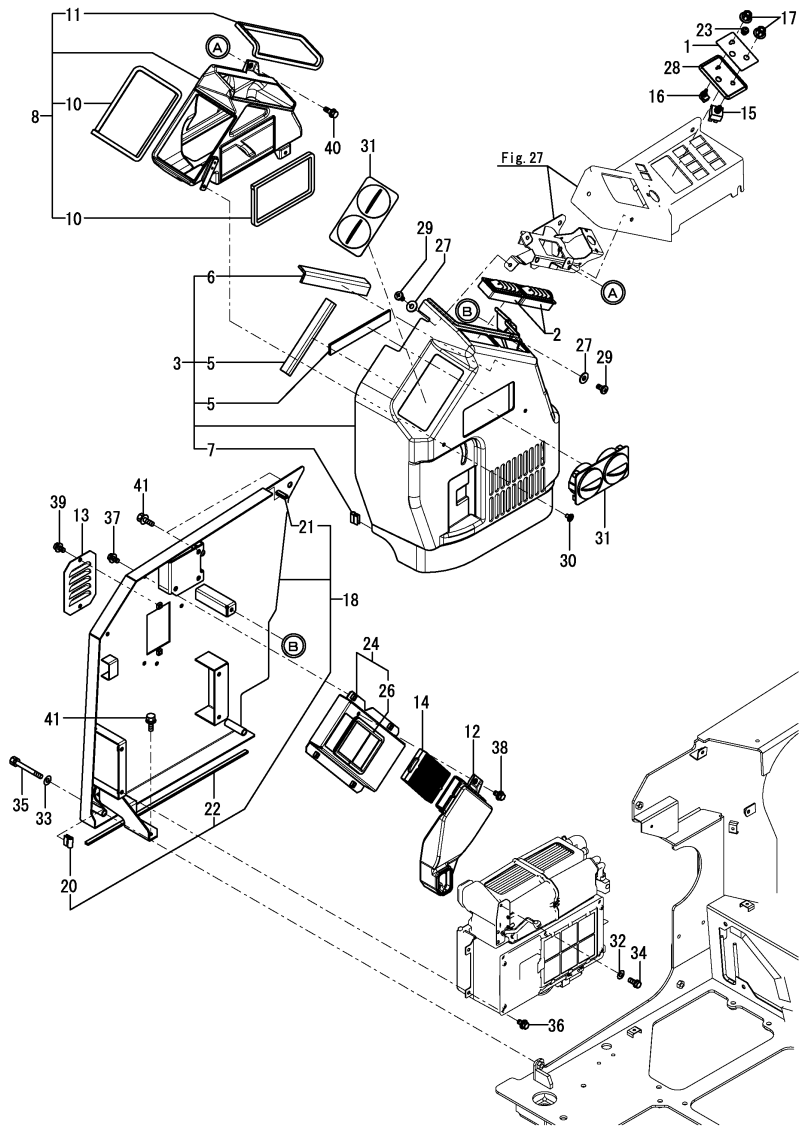
Remarks
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Color = DARK OLIVE GRAY.
(2)Color = PANTONE 425C.

Fig.28. GPS



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
1	1	1RF001-00024	CONTROLLER,MOBILE,O			1					1
6	1	172126-11510	BAND			6					
7	1	172B11-16590	ANTENNA ASSY,MOBILE			1					
10	1	172B11-17920	BRACKET ASSY, GPS			1					
11	1	172B11-18880	GROMMET,30			1					
12	1	1E8775-84120	CLAMP, BAND			4					
13	1	1E8490-84130	CLAMP, BAND			3					
14	1	26013-100202	BOLT, M10X 20			2					
15	1	26014-060162	BOLT. M6X 16			4					

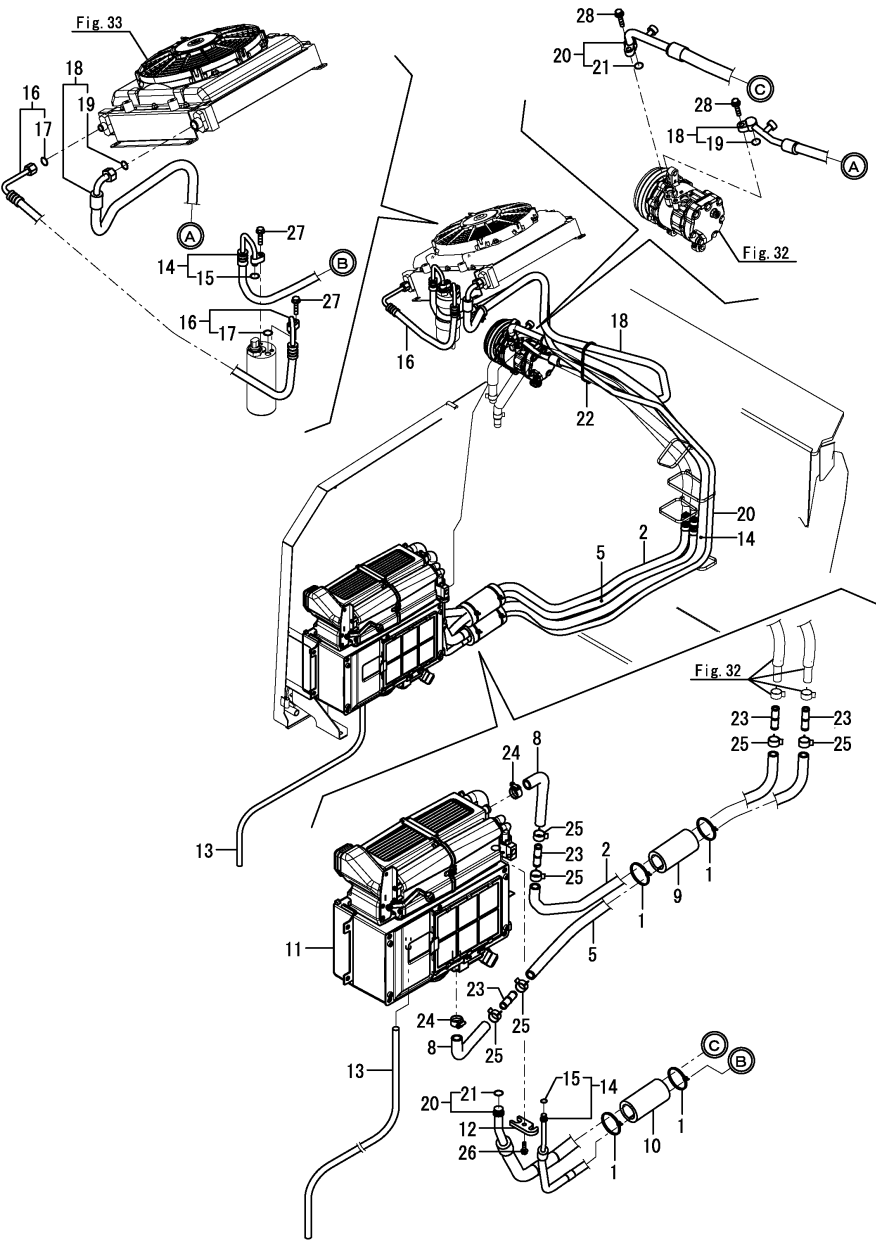
Fig.29. AIR CONDITIONER(CABIN RELATED)



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,SW A/C	1							
2	1	172458-17700	GRILLE	2							
3	1	172B11-18200	COVER ASSY,A/C	1							1
3-1	1	172B11-18210	COVER ASSY,A/C D	1						S	4
(A=MAF001)											
5	2	172B11-18240	SEAT,INSULATOR A	2							
6	2	172B11-18250	SEAT,INSULATOR B	1							
7	2	172B11-19760	SEAL, 25	1							
8	1	172B11-18700	DUCT ASSY,A/C	1							
10	2	172A69-18750	SEAL, DUCT	2							
11	2	172B11-18810	SEAL,700	1							
12	1	172B11-18740	DUCT,A/C FRESH AIR	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	TRIM	1							
22	2	172458-64140	SEAL	1							
23	1	172B03-19160	SWITCH ASSY	1							
24	1	172B11-19250	DUCT ASSY	1							
26	2	172162-62540	SEAL, STEP	1							
27	1	172458-62430	WASHER	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	2							
30	1	1A8110-84210	RIVET	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, SPRING M6X 10	1							
35	1	26013-100852	BOLT, SPRING 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							

Fig.30. AIR CONDITIONER(PIPING)



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

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

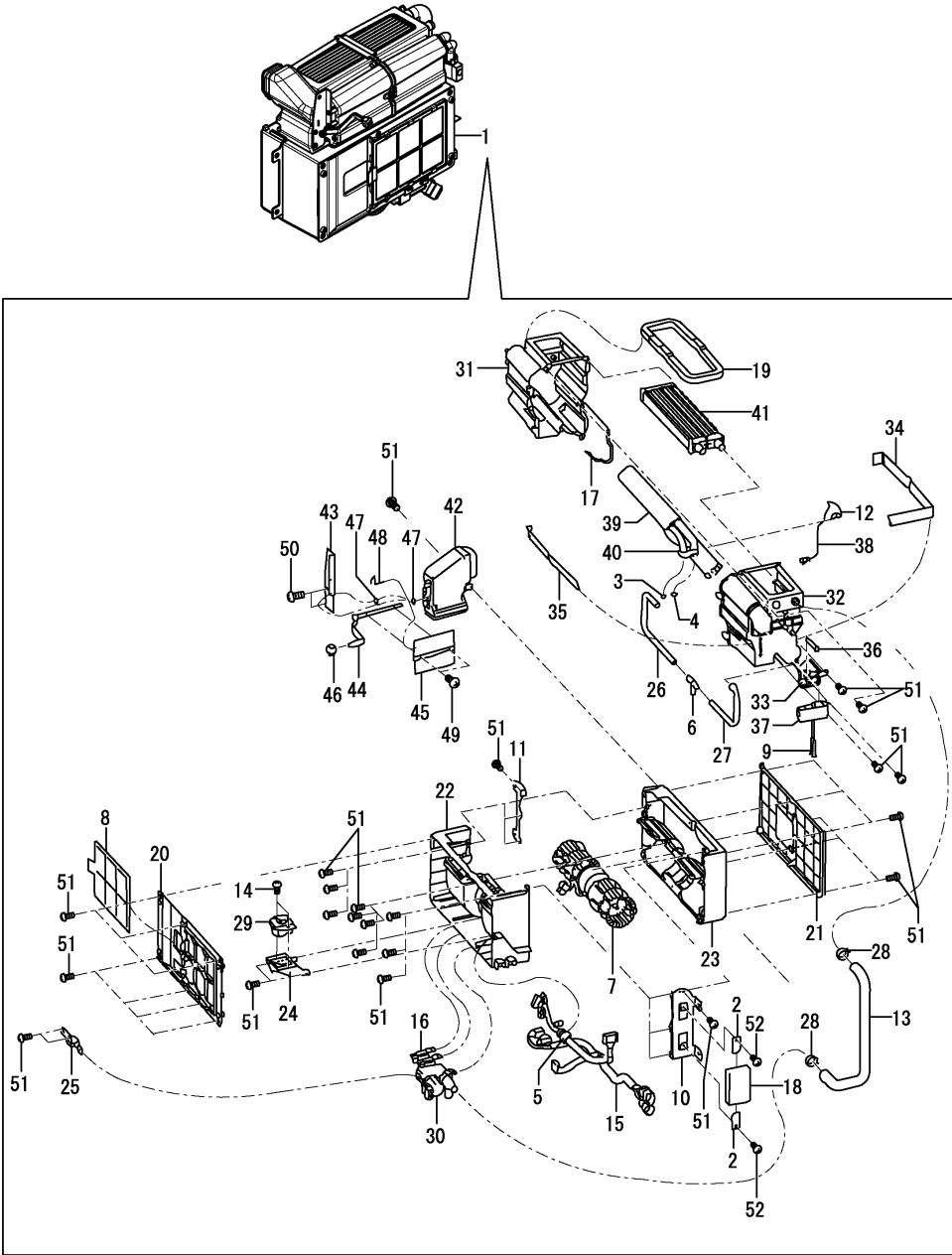
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	4							
2	1	172A89-17810	HOSE ASY,HEATER 1050	1							
5	1	172A69-17840	HOSE ASSY, HEATER	1							
8	1	172B11-17870	HOSE, HEATER A	2							
9	1	172A69-18900	SPONGE, HOSE	1							
10	1	172B11-18900	SPONGE,42X120	1							
11	2	172B03-19100	CONDITIONER, AIR	1							
12	1	172B03-19110	PLATE, FLANGE	1							
13	1	172B11-19870	HOSE, DRAIN AC	1							
14	1	172B11-19800	HOSE,EXP.V	1							
15	2	172B06-18700	O-RING	2							
16	1	172B11-19830	HOSE,RECIEVER	1							
17	2	172B06-18700	O-RING	2							
18	1	172B11-19840	HOSE,DISCHARGE	1							
19	2	172B06-18680	O-RING	2							
20	1	172B11-19850	HOSE,SUCTION	1							
21	2	172B06-18690	O-RING	2							
22	1	194202-56460	BAND, 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							

Remarks
(1)Inner parts are shown in Fig.31.

Fig.31. AIR CONDITIONER(UNIT)(INNER PARTS)

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

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B03-19100	CONDITIONER, AIR	1							
2	2	172B06-18550	BRACKET,AMP	2							
3	2	172B06-18680	O-RING	1							
4	2	172B06-18690	O-RING	1							
5	2	172B06-18930	INSULATOR,HARNESS	1							
6	2	172B06-18960	ELBOW,DRAIN	1							
7	2	172B06-18970	MOTOR ASSY,BLOWER	1							
8	2	172B03-19120	FILTER, REC	1							
9	2	172B06-19120	BOLT, SOCKET M5X40	2							
10	2	172B03-19130	BRACKET, 1	1							
11	2	172B03-19140	BRACKET, 2	1							
12	2	172B06-19140	HOLDER,THERMISTOR	1							
13	2	172B03-19150	HOSE, HEATER	1							
14	2	172B06-19150	SCREW, PAN HEAD	2							
15	2	172B03-19190	HARNESS ASSY, HVAC	1							
16	2	172B03-19200	RELAY	2							
17	2	172B06-19200	SEAL,CASE	1							
18	2	172B03-19210	CONTROLLER, HVAC	1							
19	2	172B03-19220	SEAL, OUTLET	1							
20	2	172B03-19230	COVER, FRONT	1							
21	2	172B03-19240	COVER, BACK	1							
22	2	172B03-19250	CASE ASSY, LOW FRONT	1							
23	2	172B03-19260	CASE ASSY, LOW BACK	1							
24	2	172B03-19270	MOUNT, RESISTOR	1							
25	2	172B03-19280	RETAINER, VALVE	1							
26	2	172B03-19290	HOSE, DRAIN 1	1							
27	2	172B03-19300	HOSE, DRAIN 2	1							
28	2	172B03-19310	CLAMP, HOSE	2							
29	2	172B03-19320	RESISTOR	1							
30	2	172B03-19330	VALVE ASSY, WATER	1							
31	2	172B03-19340	CASE ASSY, UP FEMALE	1							
32	2	172B03-19350	CASE ASSY, UP MALE	1							
33	2	172B03-19360	COVER ASSY, PAF	1							
34	2	172B03-19370	SEAL, AC-UNIT 1	1							
35	2	172B03-19380	SEAL, AC-UNIT 2	1							
36	2	172B03-19390	RETAINER, TXV	1							
37	2	172B03-19400	VALVE, EXPANSION	1							
38	2	172B03-19410	SENSOR, TEMPERATURE	1							
39	2	172B03-19420	EVAPORATOR ASSY	1							
40	2	172B03-19430	STAY	1							
41	2	172B03-19440	HEATER ASSY	1							
42	2	172B03-19450	DUCT ASSY	1							
43	2	172B03-19460	BRACKET, DUCT	1							
44	2	172B03-19470	LEVER ASSY, DOOR	1							
45	2	172B03-19480	DOOR ASSY	1							
46	2	172B03-19490	KNOB	1							
47	2	172B03-19500	SPACER, C	2							
48	2	172B03-19510	SPRING	1							
49	2	172B03-19520	SCREW, 3X6	2							
50	2	172B03-19530	SCREW, 4X10	2							
51	2	172B03-19540	SCREW, 4X16	36							

Fig.31. AIR CONDITIONER(UNIT)(INNER PARTS)

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

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

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

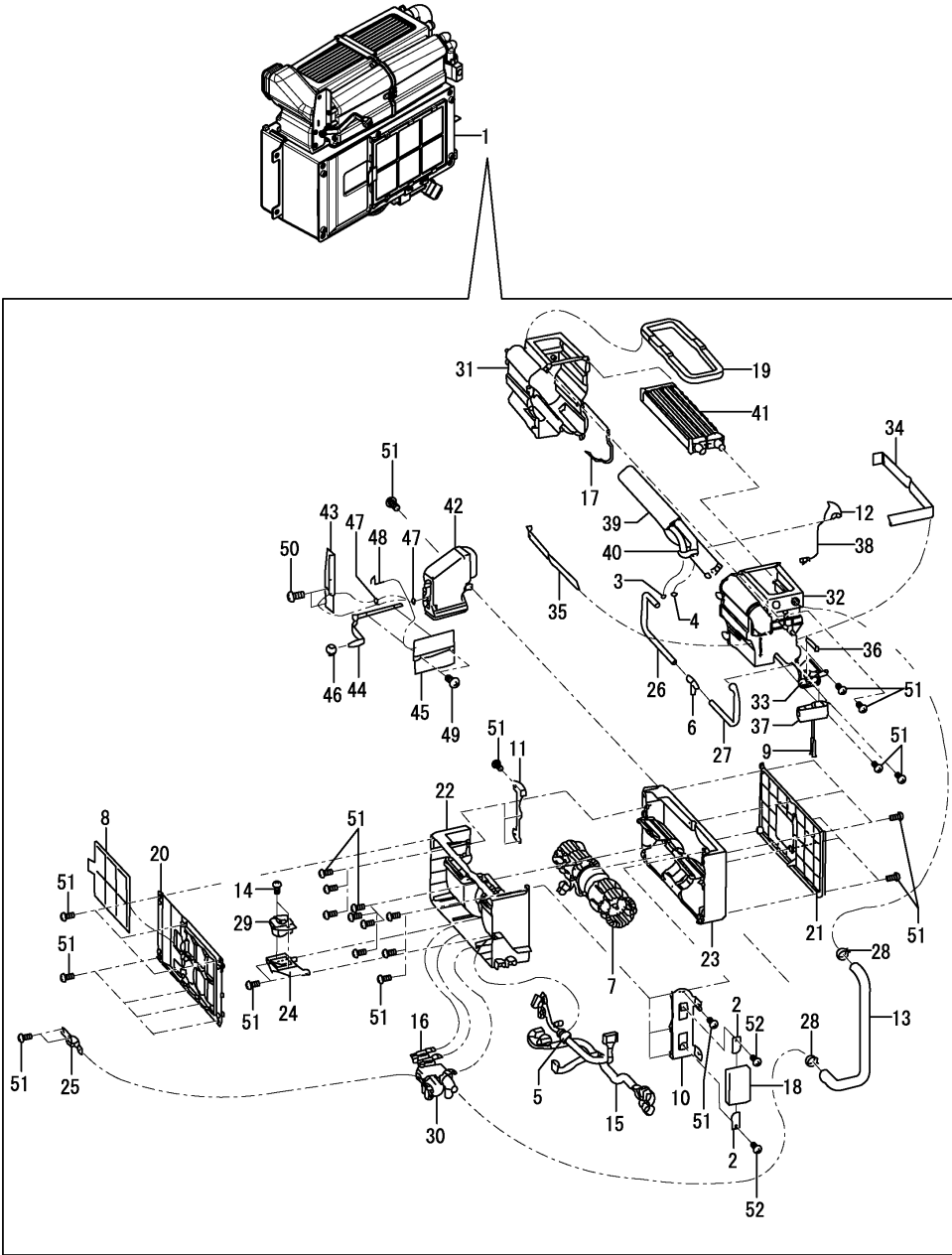
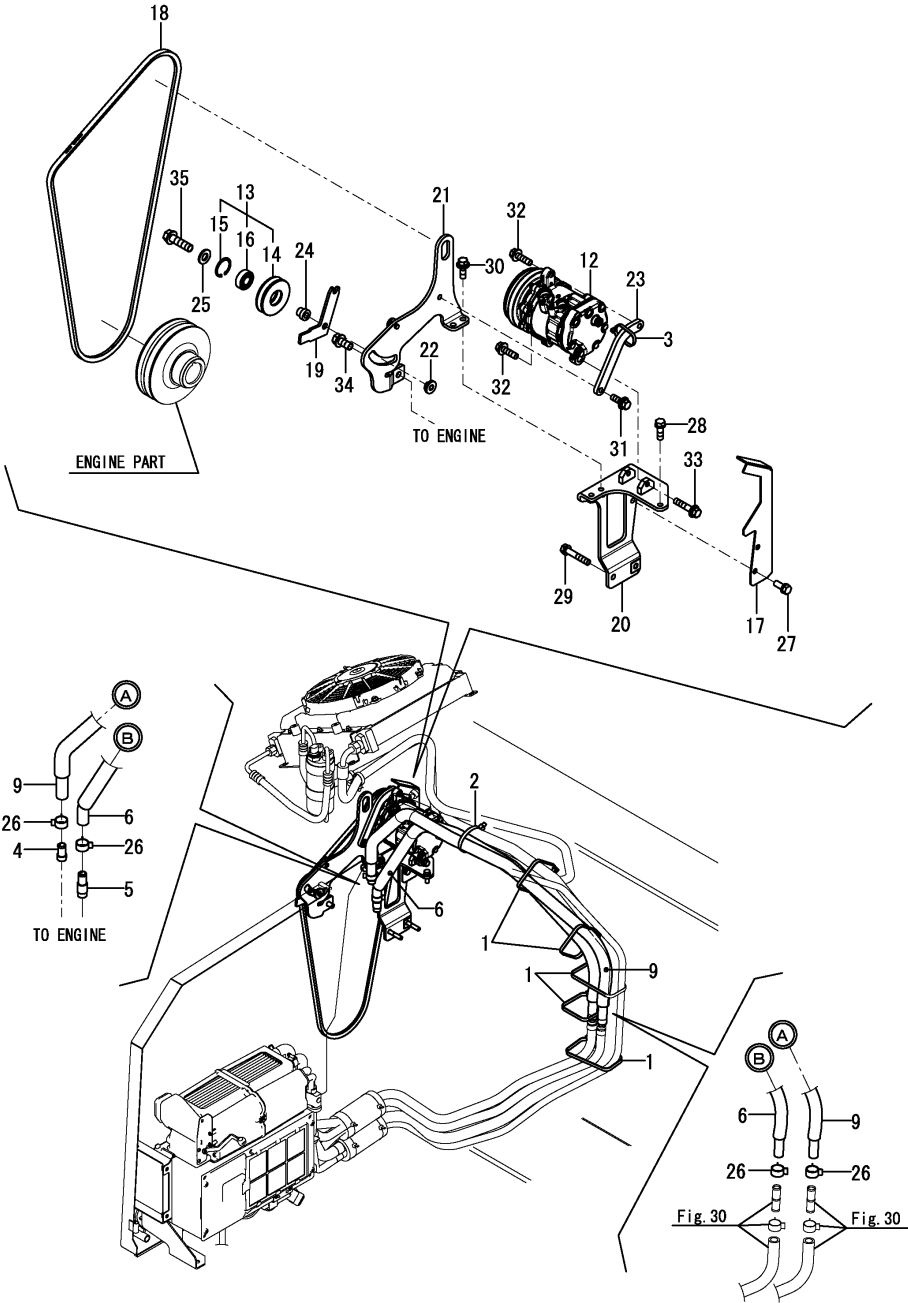


Fig.32. AIR CONDITIONER(ENGINE RELATED)

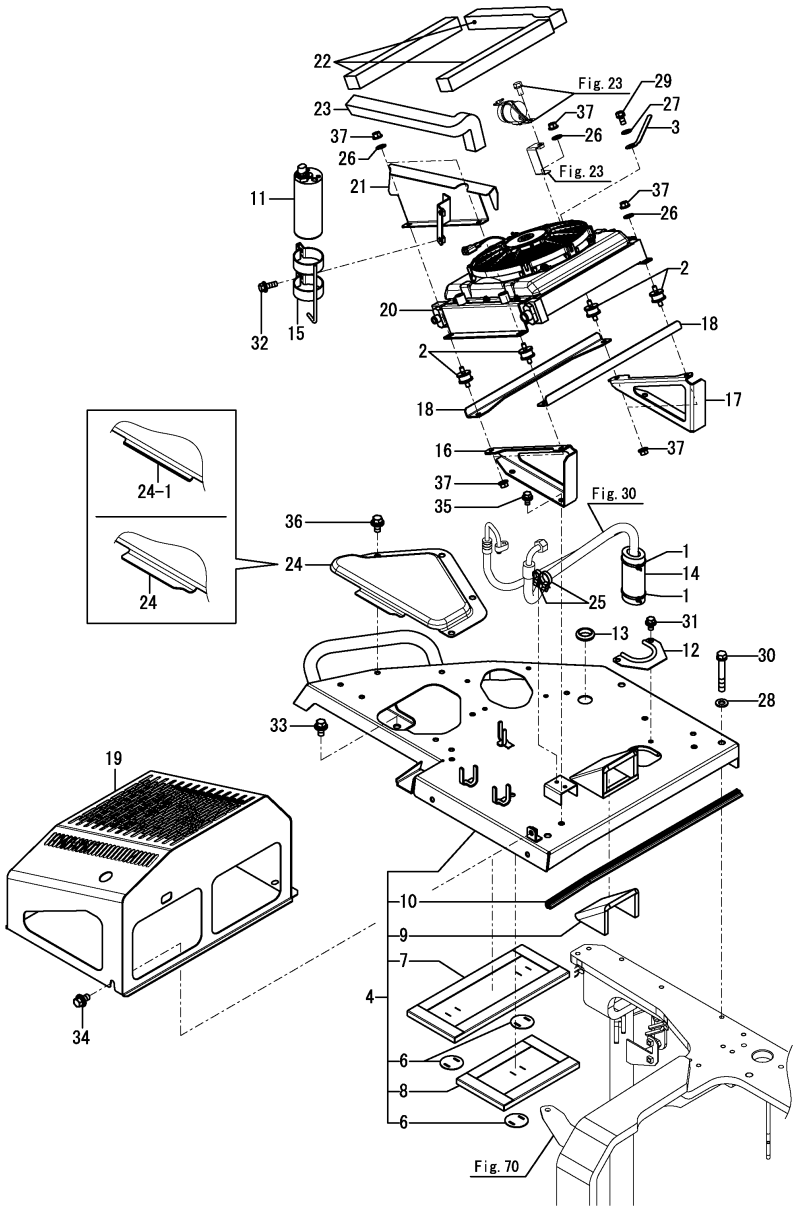


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	7							
2	1	172137-16560	BAND	2							
3	1	172137-16560	BAND	1							
4	1	172124-17640	JOINT, PIPE	1							
5	1	172B11-17640	JOINT,PIPE 3/8	1							
6	1	172A89-17810	HOSE ASY,HEATER 1050	1							
9	1	172A69-17840	HOSE ASY, HEATER	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	1							
19	1	172B11-18290	BAR,ADJUST	1							
20	1	172B11-18300	BRACKET ASSY,COMP	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	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.33. AIR CONDITIONER(CONDENSER RELATED)

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

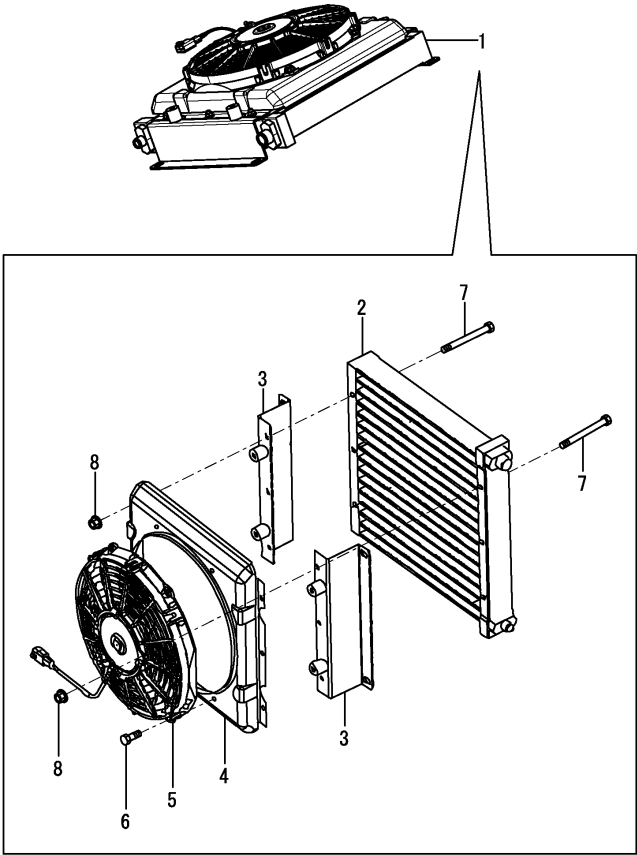
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	2							
2	1	172447-13550	MOUNT, PAD	4							
3	1	172126-16540	CLAMP	1							
4	1	172B11-18440	BASE ASSY,COND	1							
4-1	1	172B11-18441	BASE ASSY,COND	1							N
(A=*2015.02)											
6	2	172B11-18570	PLATE, INSURETOR	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	1							
11	1	172B06-18450	DRIER, RECEIVER	1							
12	1	172A89-18580	COVER, HOSE	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, COND F	1							
17	1	172B11-19520	BRACKET, COND R	1							
18	1	172B11-19580	RIB,COND BKT	2							
19	1	172B11-19610	COVER ASSY,COND	1							
20	1	172B03-19680	CONDENSER ASSY	1							1
21	1	172B11-19700	PLATE ASSY,SEAL COND	1							
22	1	172B11-19770	SEAL,310	3							
23	1	172B11-19780	SEAL,420	1							
24	1	172A69-62130	COVER	1							2
24-1	1	172B12-62130	COVER,UPPER	1							S 2
(A=*2015.02)											
24A	1	172437-03391	LABEL, RADIATOR	1							3
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							

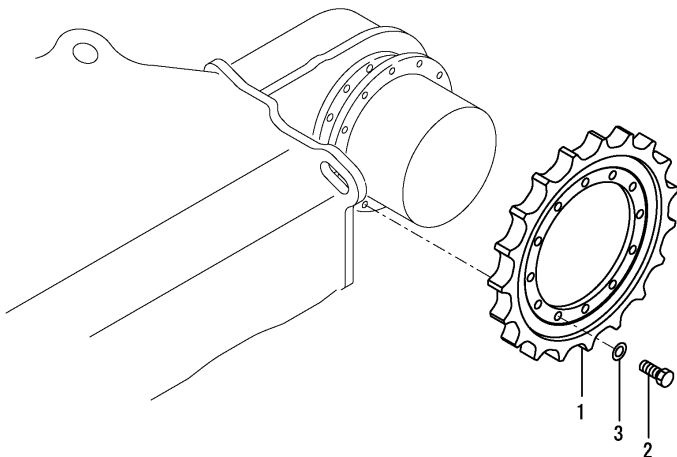
Remarks
(1)Inner parts are shown in Fig.34.
(2)Attach the No.24A label to this part.
(3)Not illustrated.

Fig.34. AIR CONDITIONER(CONDENSER)(INNER PARTS)



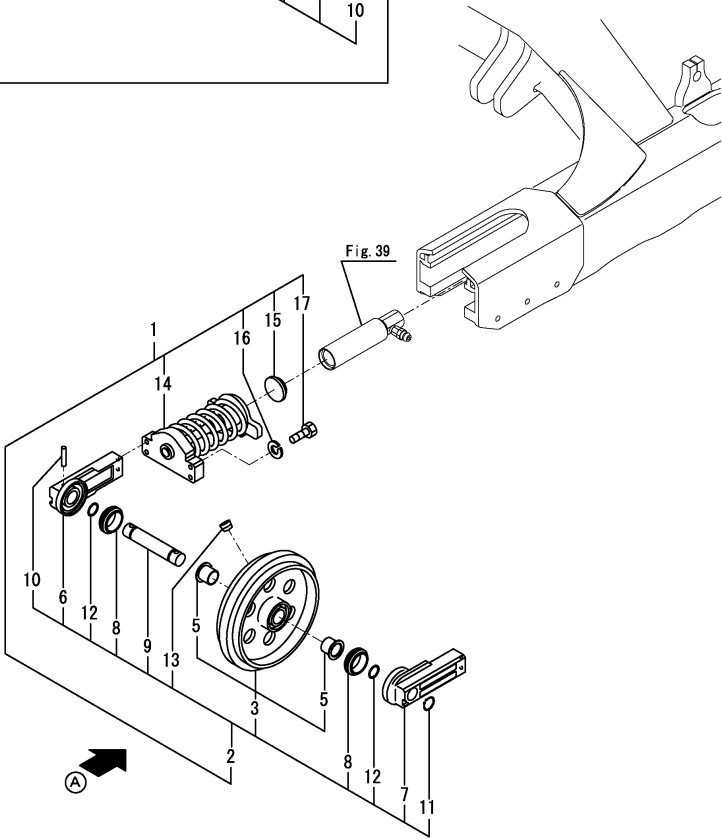
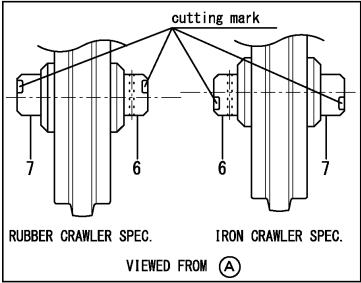
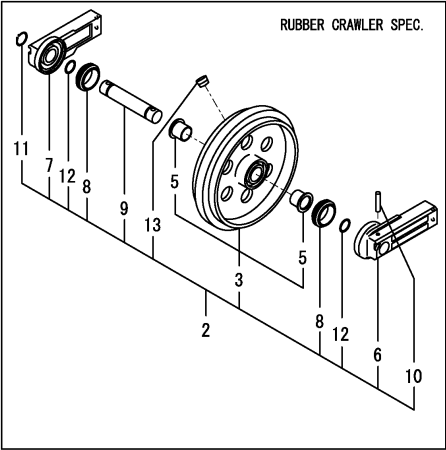
(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(F)=

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, COND	2							
4	2	172B03-19660	COVER ASSY, COND 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	24							
3	1	172455-29150	WASHER	24							

Fig.36. IDLER & ADJUST



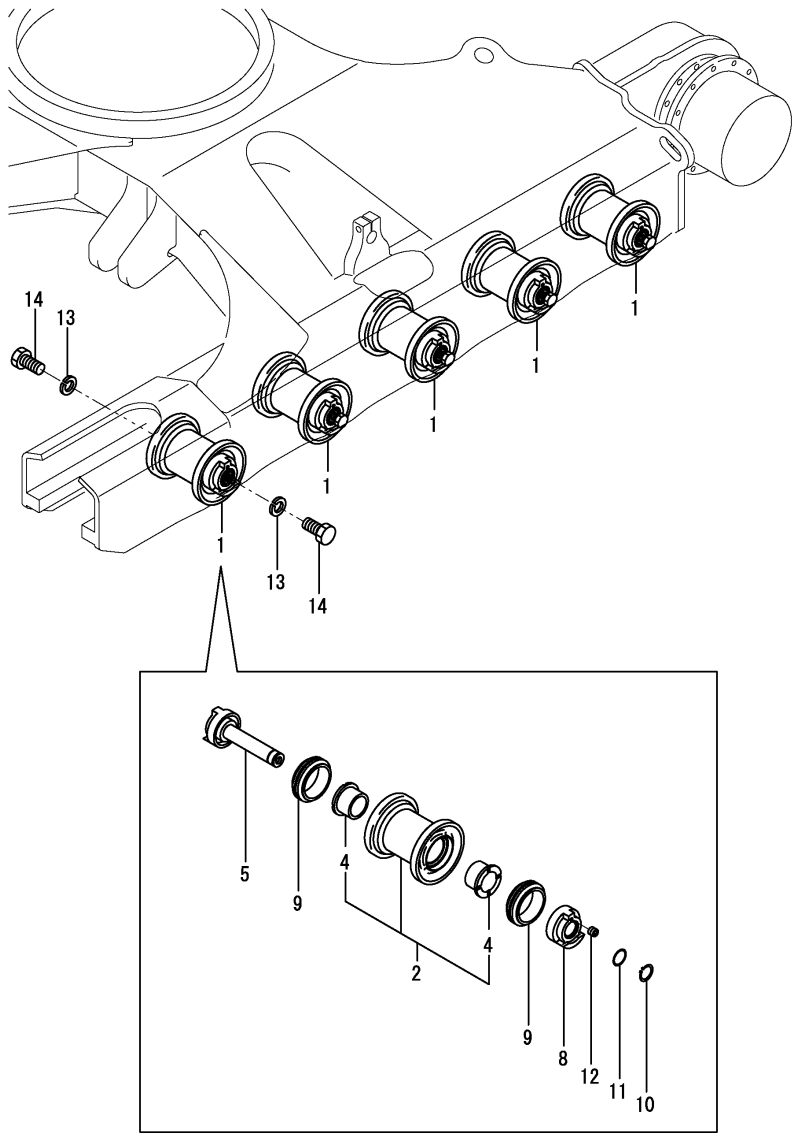
Remarks
(1)This part is used both rubber crawler & iron crawler.
When constructing Idler Assy, The direction of cutting mark of idler seal cover A & B is the opposite side concerning rubber crawler & iron crawler.

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

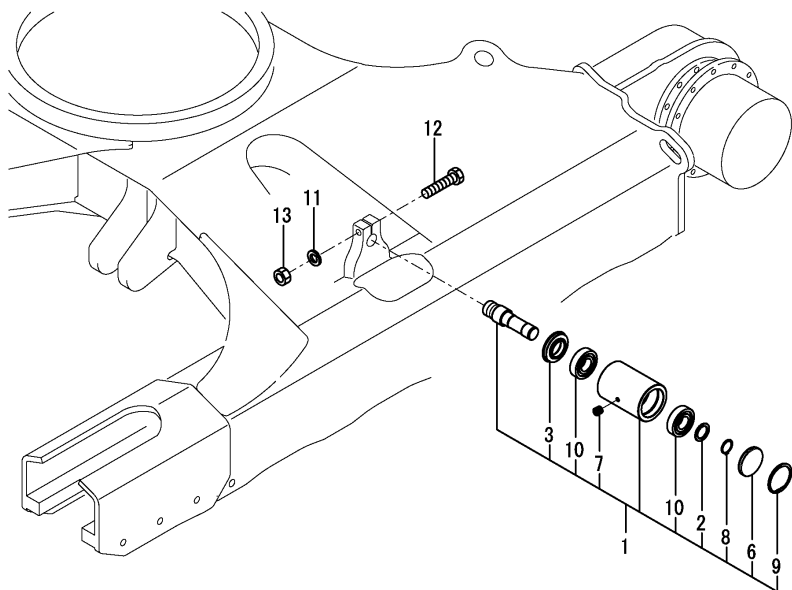
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772478-37120-1	IDLER ASSY	2							
2	2	772478-37101-2	IDLER ASSY	2							1
3	3	172478-37101	IDLER ASSY	2							
5	4	172478-37121	BUSH, IDLER	4							
6	3	172478-37141	SEAL COVER A,IDLER	2							
7	3	172478-37151	SEAL COVER B,IDLER	2							
8	3	172455-37160	SEAL, FLOATING	4							
9	3	172455-37170	SHAFT, IDLER	2							
10	3	172455-37180	PIN, SPRING	2							
11	3	22242-000400	RING, 40	2							
12	3	24311-000380	O-RING, 1AP38.0	4							
13	3	933171-13691	PLUG	2							
14	2	172187-37700-3	ADJUSTER ASSY	2							
15	2	172162-37810	PLATE, ADJUSTER	2							
16	2	22217-140000	WASHER, SPRING 14	8							
17	2	26116-140602	BOLT, M14X 60 PLATED	8							

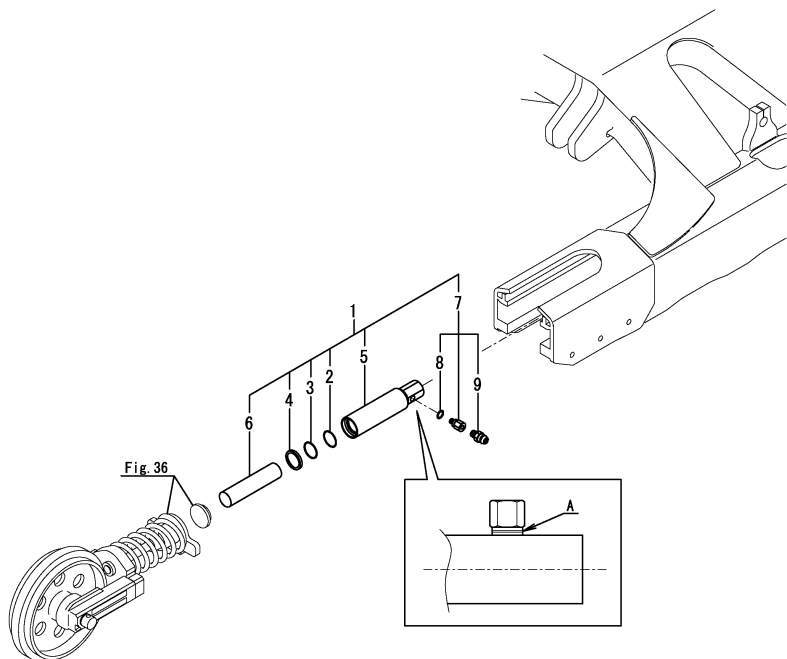
0CK50-M00260 TRAVELING
Fig.37. TRACK ROLLER



										OCK50-M00260		Fig.37	
										(A)=VIO80-1A C(US)		(D)=	
										(B)=		(E)=	
										(C)=		(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	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	172730-31630	COLLAR	2							
3	2	172164-37120	SEAL, OIL	2							
6	2	172A89-37530	CAP,SEALING 72	2							
7	2	194630-42120	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							



No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	772162-37770	CYLINDER ASSY	2						Z 1
	(A=M1B873)									
2	2	198072-17440	O-RING, 55.0	2						
3	2	172478-37710	RING, BUCK UP	2						
4	2	172478-37720	SEAL, DUST	2						
5	2	172162-37770	TUBE ASSY, ADJUST	2						
6	2	172162-37800	PISTON	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						

* 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.178(39A).
(1)Interchangeable by Fig.178(39A) No.1.
The inner parts are not compatible.

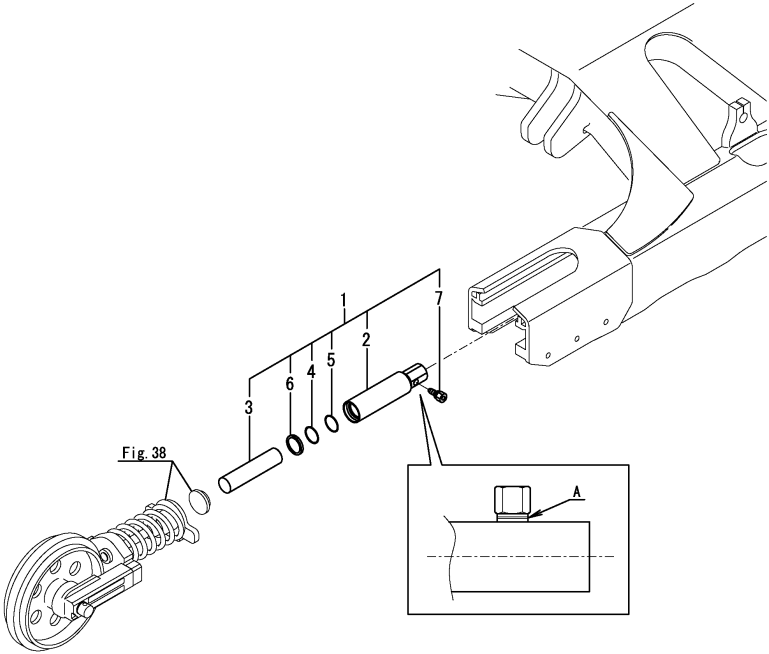
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.178. (39A)CRAWLER ADJUST(S SPEC.)(FROM M1B873)

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

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

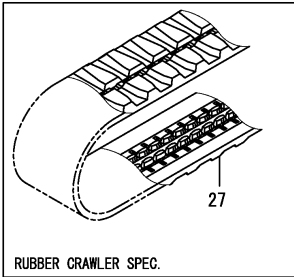
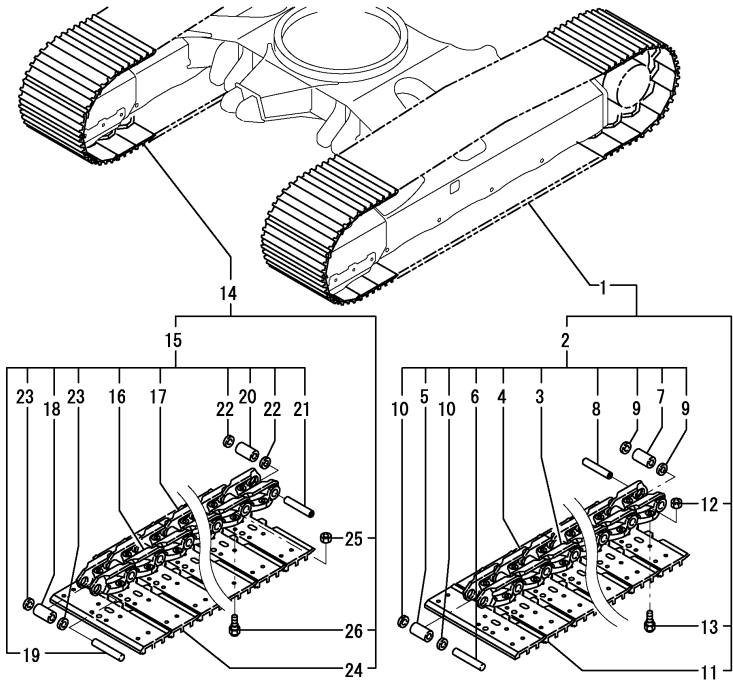


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-37750	CYLINDER ASSY, ADJUS	2							W
		(A=M1B873)									
2	2	172B11-37760	TUBE ASSY,ADJUST	2							
3	2	172B11-37790	PISTON	2							
4	2	172B11-37800	RING, BACK UP	2							
5	2	172B11-37810	SEAL, ISI 55X65X6	2							
6	2	172B11-37820	SEAL, DUST55X69X11	2							
7	2	172B06-37951	NIPPLE, VALVE	2							

Remarks
* A : Y specifications have a slit for the identification.
S specifications do not have a slit for the identification.
Y specifications are shown in Fig.39.
The inner parts are not compatible.

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

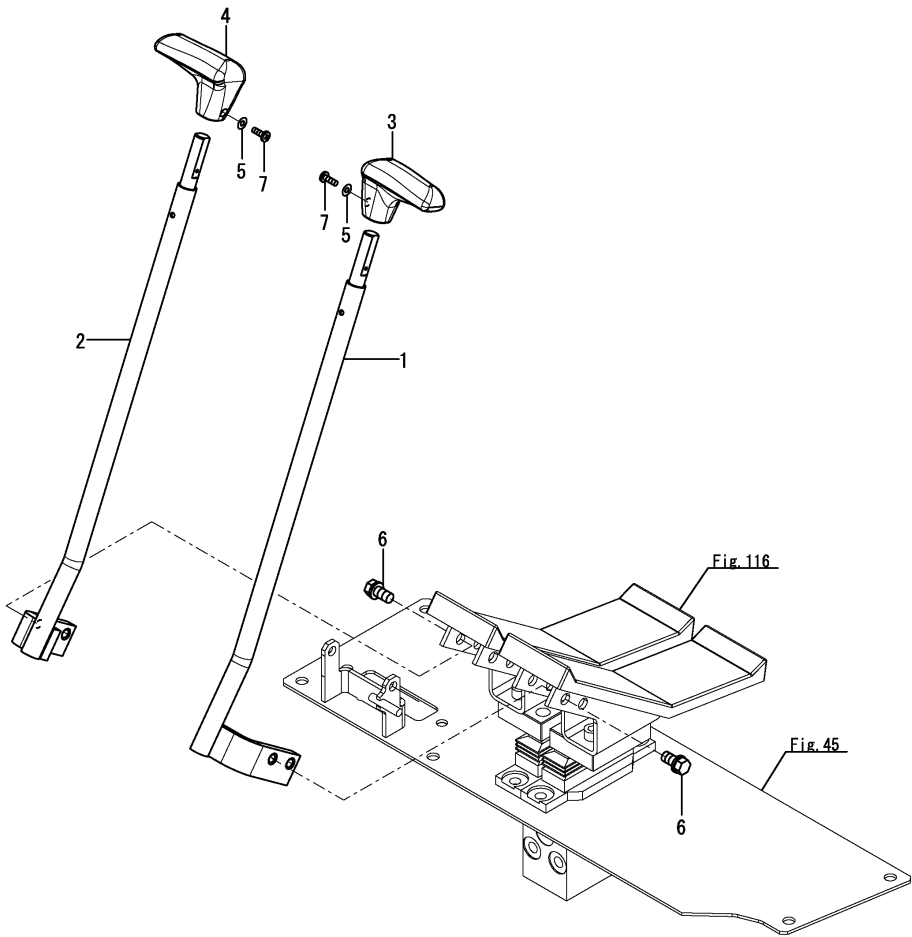
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-38100	SHOE ASSY, TRACK 450	1							1
2	2	172A89-38120	LINK ASSY	1							
3	3	172A89-38180	LINK, TRACK L	39							
4	3	172A89-38190	LINK, TRACK R	39							
5	3	172A89-38220	BUSH, TRUCK	38							
6	3	172A89-38230	PIN, TRUCK	38							
7	3	172A89-38240	BUSH, MASTER	1							
8	3	172A89-38250	PIN,MASTER	1							
9	3	172A89-38260	COLLAR	2							
10	3	172A89-38280	SEAL	76							
11	2	172A89-38130	SHOE,TRUCK 450 L(49)	39							
12	2	172A89-38160	NUT, SHOE	156							
13	2	172A89-38170	BOLT,SHOE	156							
14	1	172A89-38110	SHOE ASSY, TRACK 450	1							1
15	2	172A89-38120	LINK ASSY	1							
16	3	172A89-38180	LINK, TRACK L	39							
17	3	172A89-38190	LINK, TRACK R	39							
18	3	172A89-38220	BUSH, TRUCK	38							
19	3	172A89-38230	PIN, TRUCK	38							
20	3	172A89-38240	BUSH, MASTER	1							
21	3	172A89-38250	PIN,MASTER	1							
22	3	172A89-38260	COLLAR	2							
23	3	172A89-38280	SEAL	76							
24	2	172A89-38140	SHOE,TRUCK 450 R(49)	39							
25	2	172A89-38160	NUT, SHOE	156							
26	2	172A89-38170	BOLT,SHOE	156							
27	1	172455-38601	CRAWLER, RUBBER	2							2

Remarks
(1)Iron crawler specification.
(2)Rubber crawler specification.

Fig.41. TRAVEL LEVER



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

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

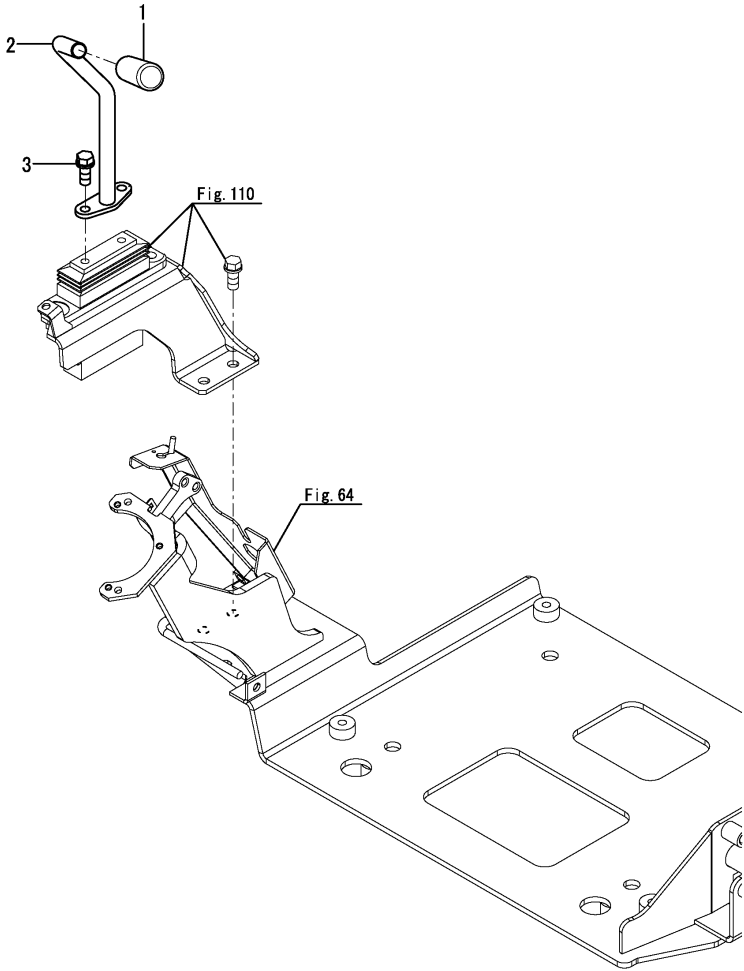
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-45211	LEVER L ASSY,TRACK	1							
2	1	172A69-45251	LEVER R ASSY,TRACK	1							
3	1	172187-45870	GRIP, DRIVE	1							
4	1	172187-45880	GRIP, DRIVE	1							
5	1	22117-040000	WASHER, 4	2							
6	1	26013-100202	BOLT, M10X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

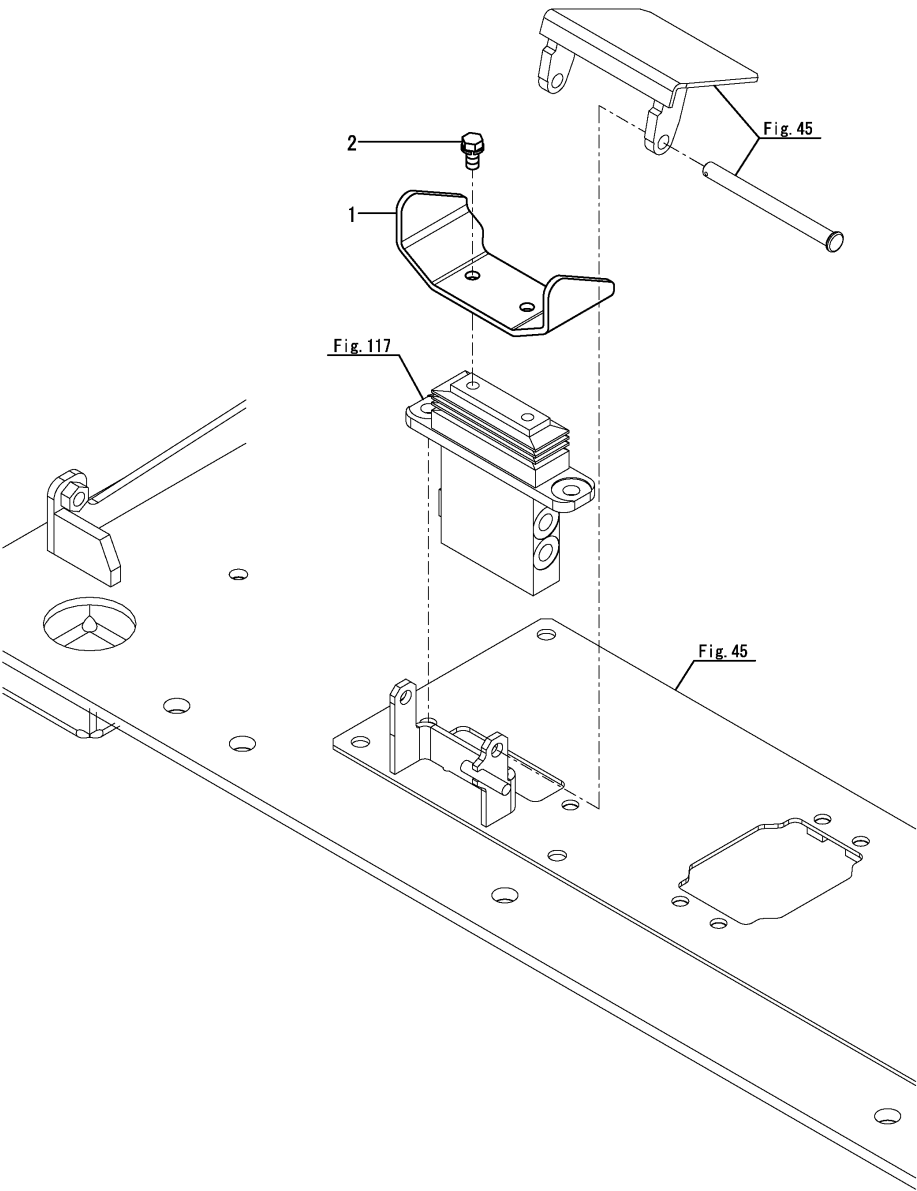
Fig.42. BLADE LEVER

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

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

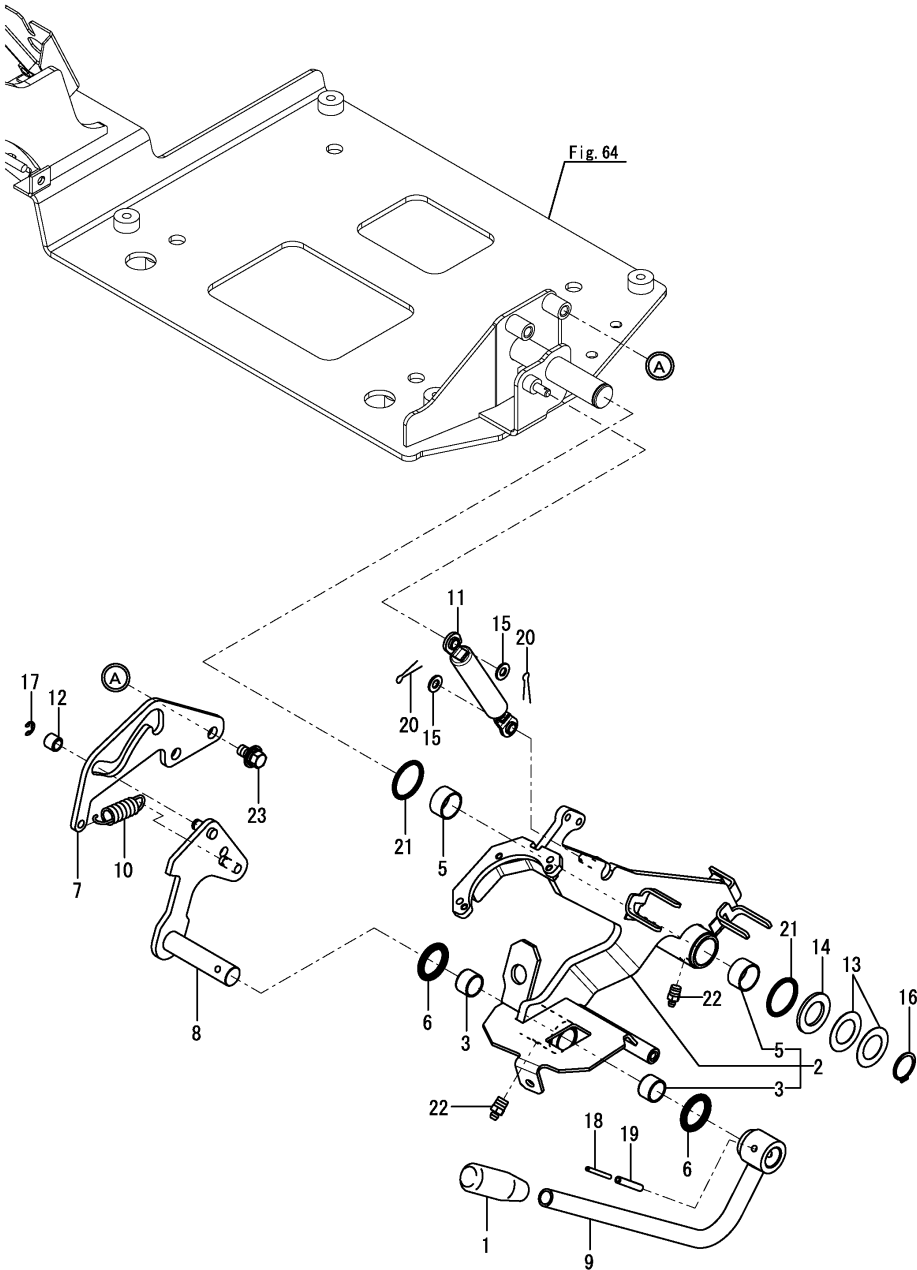
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172964-12140	GRIP	1							
2	1	172A69-45851	LEVER ASSY,BLADE	1							
3	1	26013-080162	BOLT, M8X 16	2							





0CK50-M00260 Fig.43												
(A)=VIO80-1A C(US) (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								

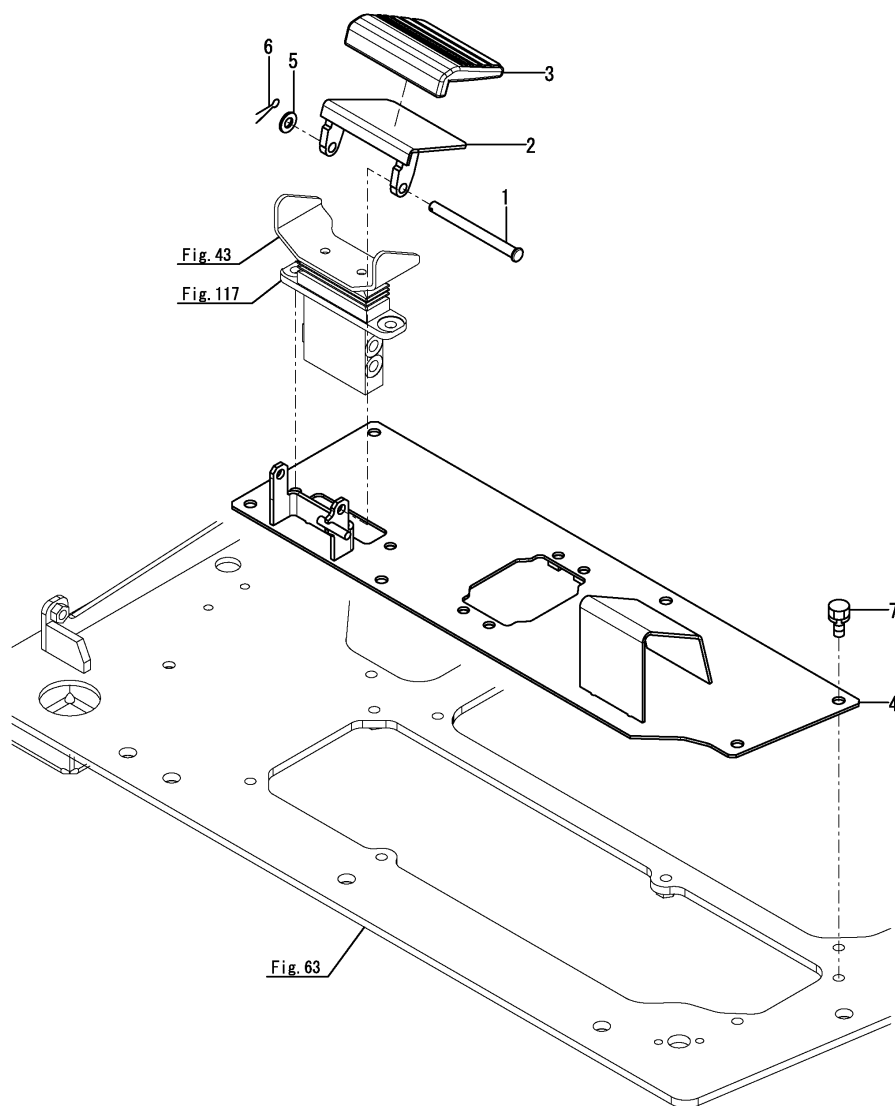
Fig.44. LOCK LEVER & LEVER STAND

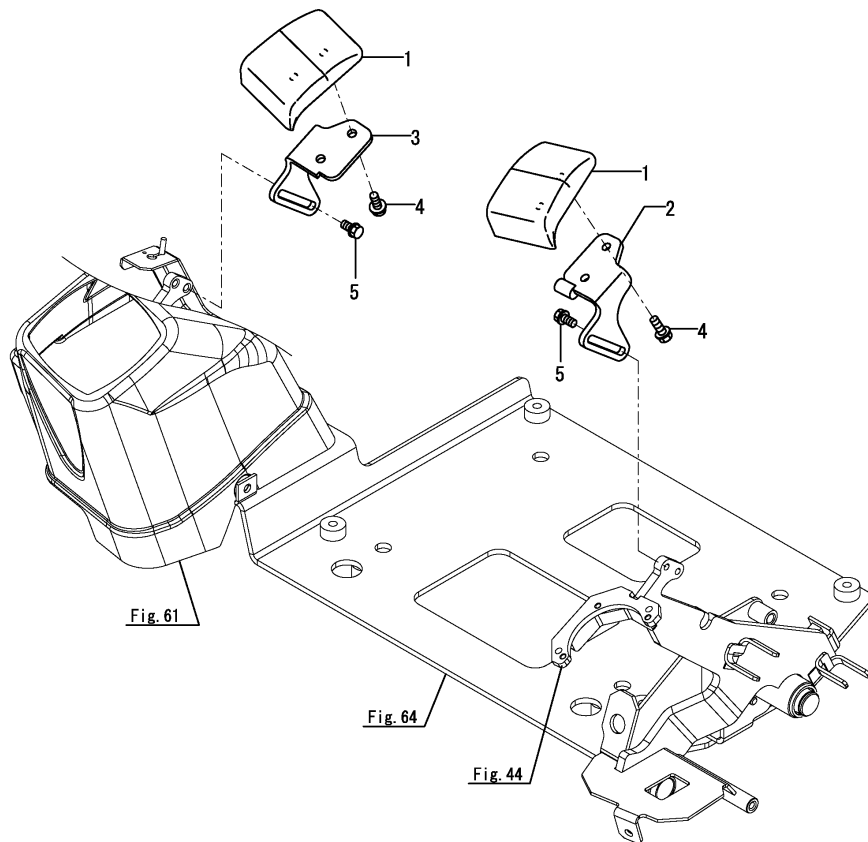


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A77-46050	GRIP	1							
2	1	172A69-46101	STAND ASSY, LEVER	1							
3	2	172141-41370	BUSH	2							
5	2	24550-025150	BUSH, 25X15	2							
6	1	172124-46200	O-RING	2							
7	1	172A69-46210	GUIDE, LOCK	1							
8	1	172A69-46220	ROD ASSY, SPRING	1							
9	1	172A69-46251	LEVER ASSY, LOCK	1							
10	1	172A69-46270	SPRING	1							
11	1	172455-46890	SPRING, GAS	1							
12	1	172165-47550	BUSH	1							
13	1	172165-47980	SHIM	2							
14	1	172165-47990	WASHER	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							

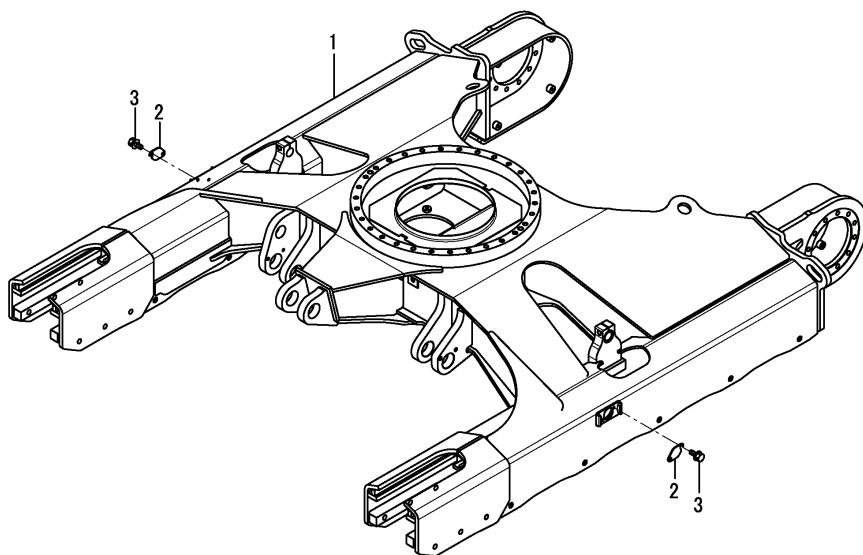
$$(F)=$$

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-45651	SHAFT	1							
2	1	172187-45720-2	COVER, PEDAL	1							
3	1	172187-45760	PAD	1							
4	1	172A69-45800	PLATE, 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							



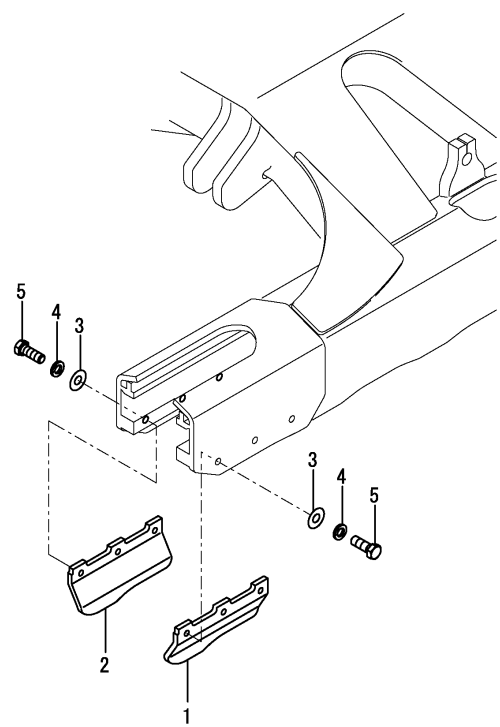


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172441-44320	ARMREST	2							
2	1	172A46-46500	GUIDE ASSY	1							
3	1	172A46-46530	PLATE, GUIDE	1							
4	1	172519-63240	BOLT	4							
5	1	172519-63240	BOLT	4							



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.48. CRAWLER GUARD



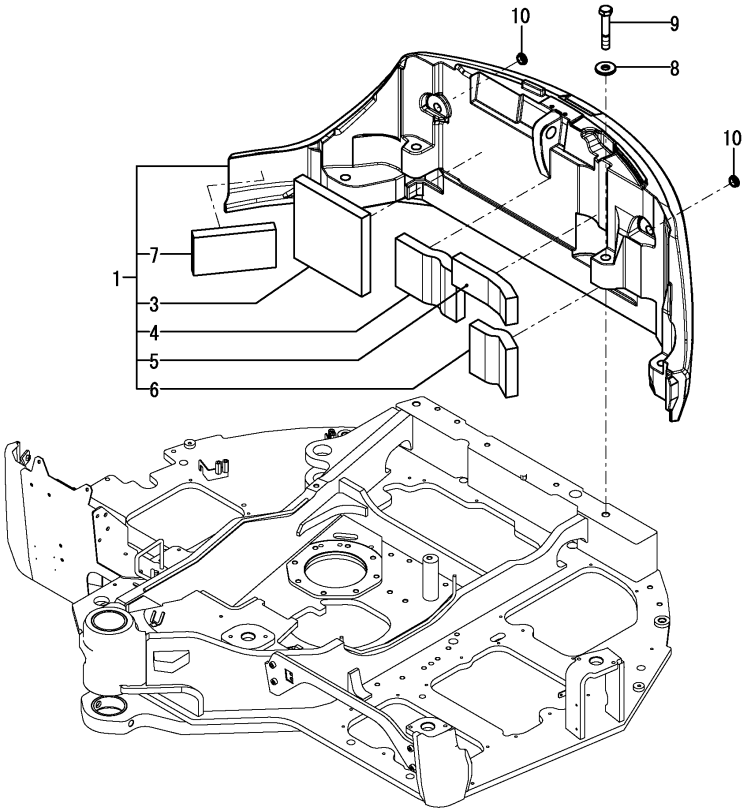
(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(F)=

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

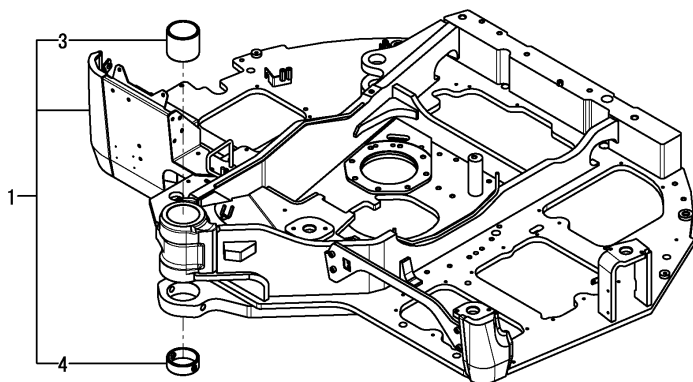
Fig.49. COUNTER WEIGHT

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

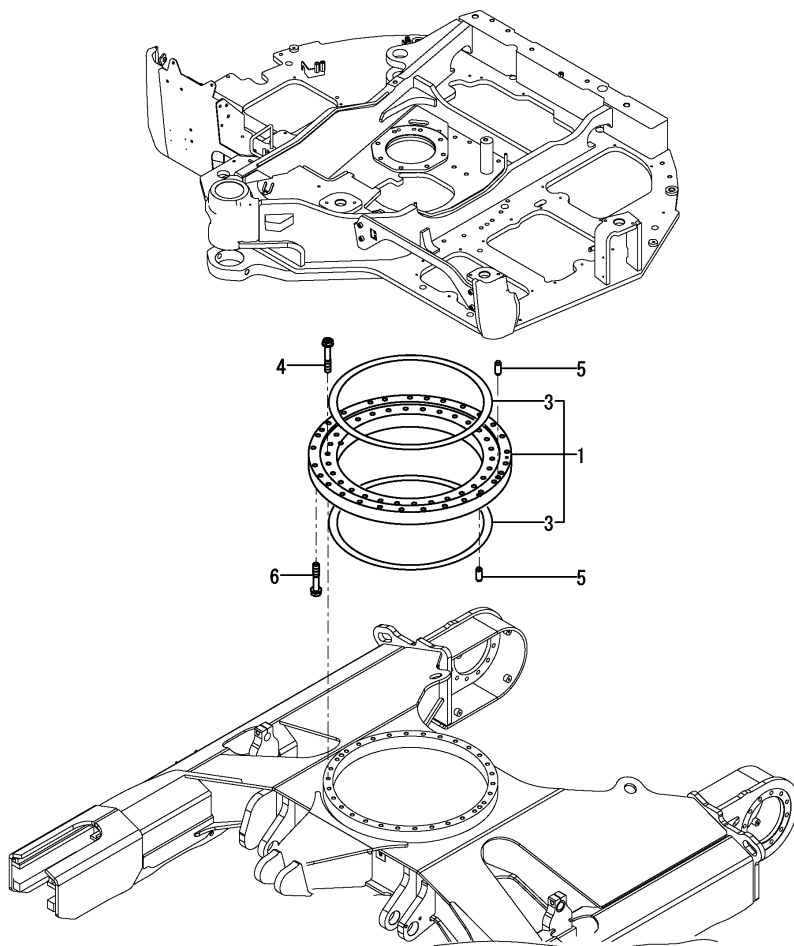
(D)=
(E)=
(F)=



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	4							
9	1	172455-53331	BOLT	4							
10	1	172456-53700	GROMMET	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(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	1							



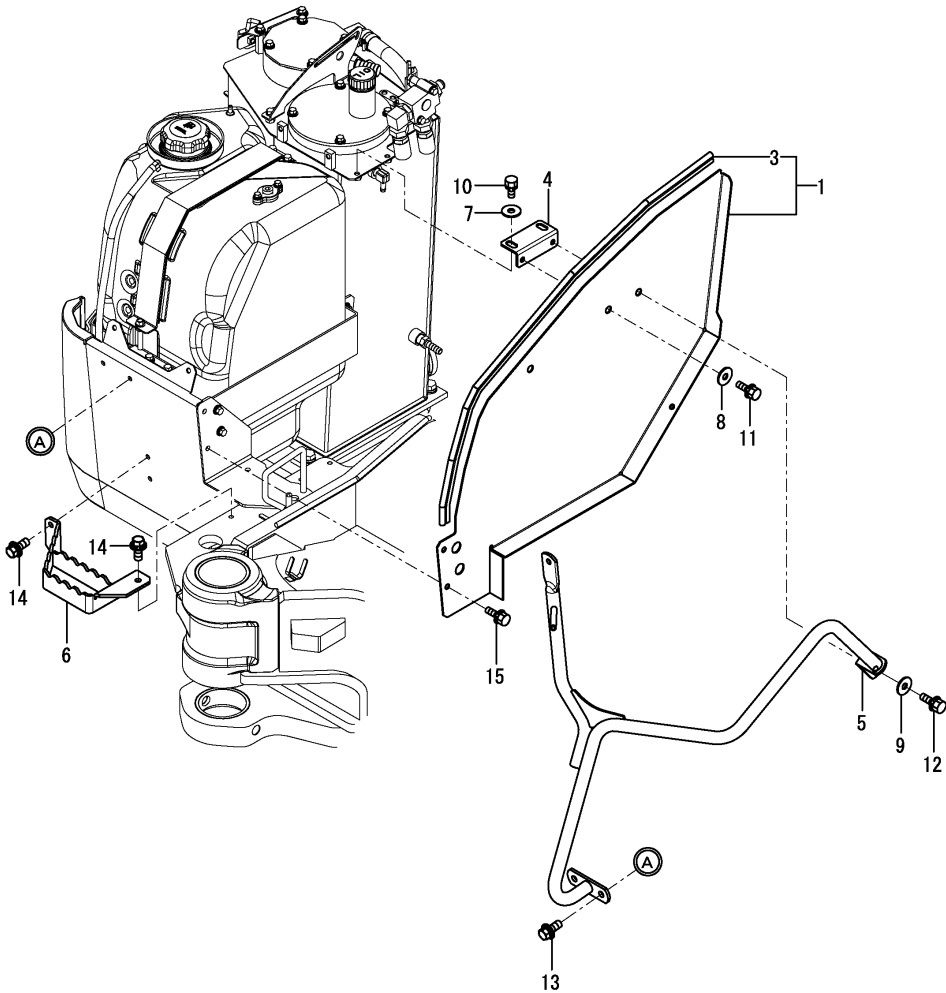
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-57600	BEARING ASSY,SWING	1							
3	2	172A89-57620	SEAL	2							
4	1	172A69-57650	BOLT	30							
5	1	172162-57660	PIN, PARALLEL	4							
6	1	172A69-57660	BOLT	28							

Fig.52. COVER(FUEL TANK SIDE)

(A)=VIO80-1A C(US)
(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,FO	1							
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							



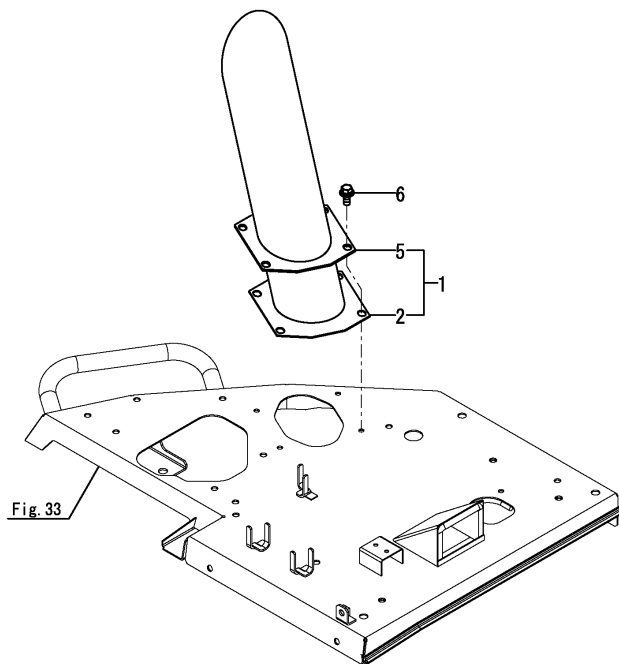


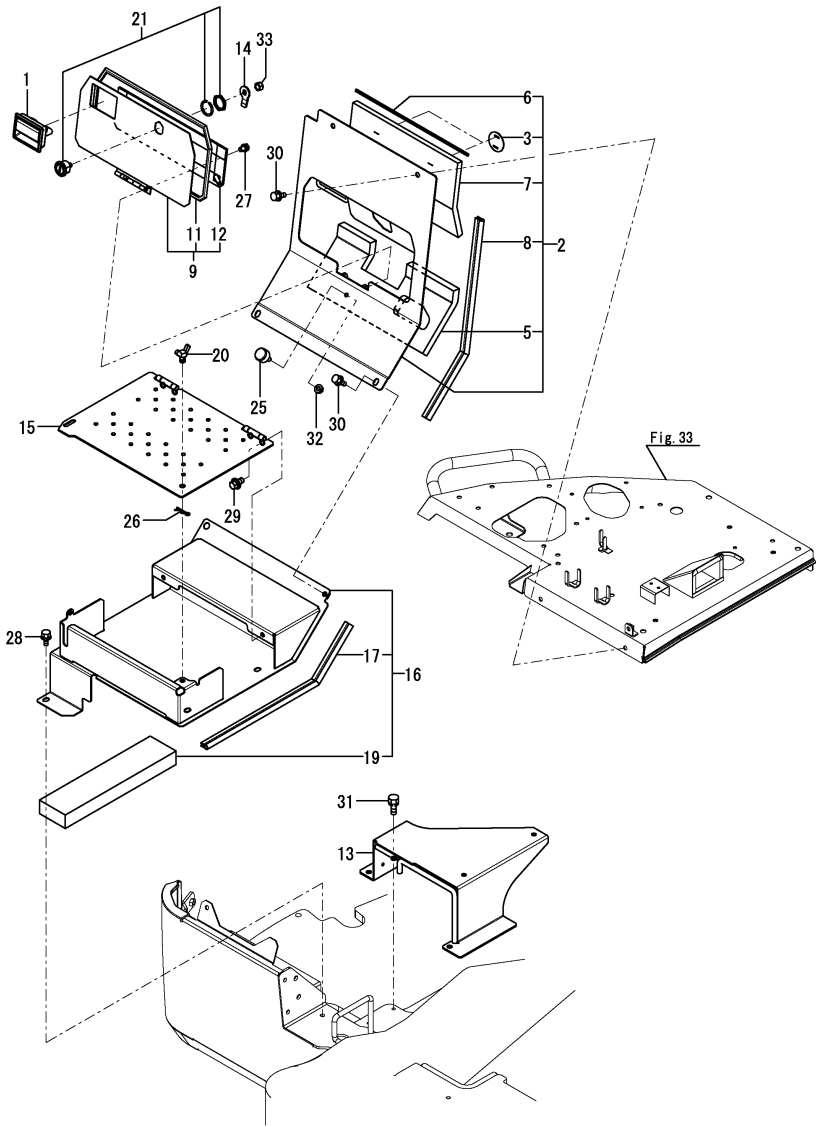
Fig. 33

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

0CK50-M00260 COVER
Fig.54. CENTER COVER

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

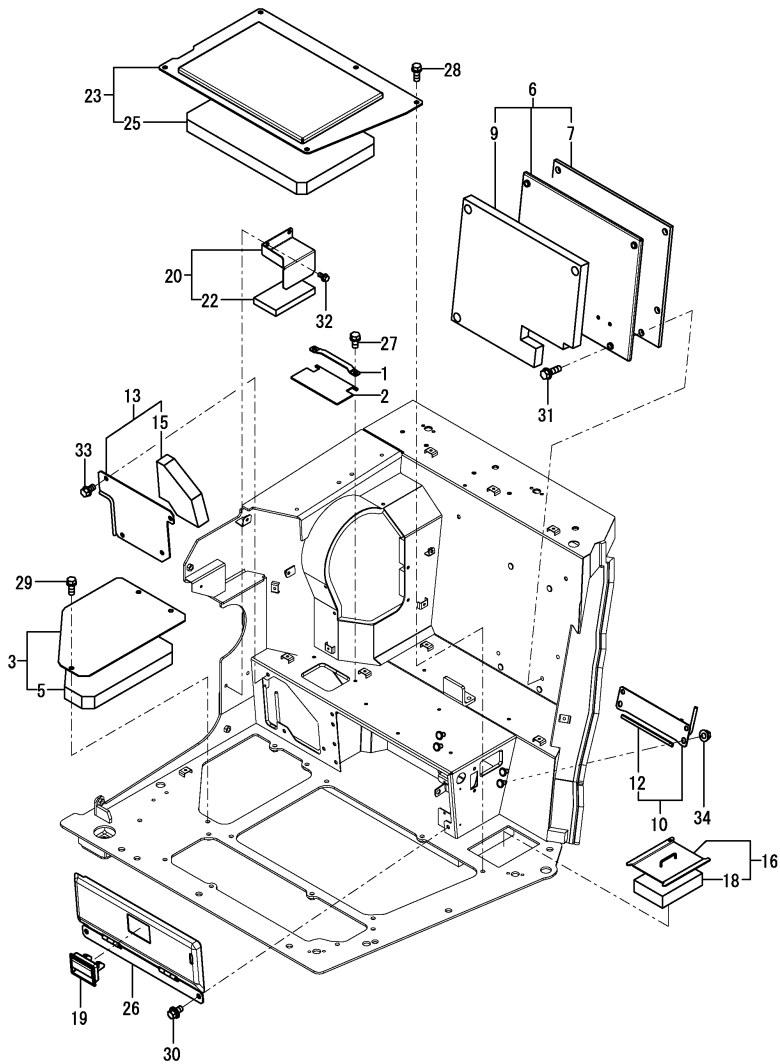
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1							4
1-1	1	172B02-69040	HANDLE, LOCK BLACK	1						S	5
(A=MAF001)											
2	1	172B11-61680	COVER ASSY, CENTER	1							1
3	2	172B11-18570	PLATE, INSURETOR	2							
5	2	172B11-61720	SPONGE, A COVER	1							
6	2	172B11-61730	SEAL, 385	1							
7	2	172B11-61810	INSULATOR, B	1							
8	2	172A64-64940	SEAL, 560	1							
8A	1	172B03-03390	LABEL, SILENCER EX	1							3
8B	1	172A36-03411	LABEL, ENGINE ROOM	1							3
9	1	172B11-61760	COVER ASSY, ENG	1							2
11	2	172A69-61780	SEAL	1							
12	2	172B11-61820	INSULATOR, G	1							
12A	1	172437-03402	LABEL, ENGINE COVER	2							3
13	1	172A89-61800	BRACKET, COVER (49)	1							
14	1	172B11-61800	PLATE, LOCK	1							
15	1	172A89-61880	COVER ASSY, TOOL BOX	1							
16	1	172A89-61900	BASE, TOOL BOX (49)	1							
17	2	172A69-13690	SEAL	1							
19	2	172A89-61981	EV A, TOOL BOX	1							
20	1	172142-62301	BOLT, WING	1							
21	1	172B03-66170	CYLINDER ASSY, KEY	1							
25	1	172176-67150	RUBBER, STOPPER	1							
26	1	22372-100000	PIN, SNAP 10	1							
27	1	26013-080122	BOLT, SPRING 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							

Remarks
(1)Attach the No.8A, 8B label to this part.
(2)Attach the No.12A label to this part.
(3)Not illustrated.
(4)Color = DARK OLIVE GRAY.
(5)Color = BLACK.

Fig.55. COVER(SEAT MOUNT)

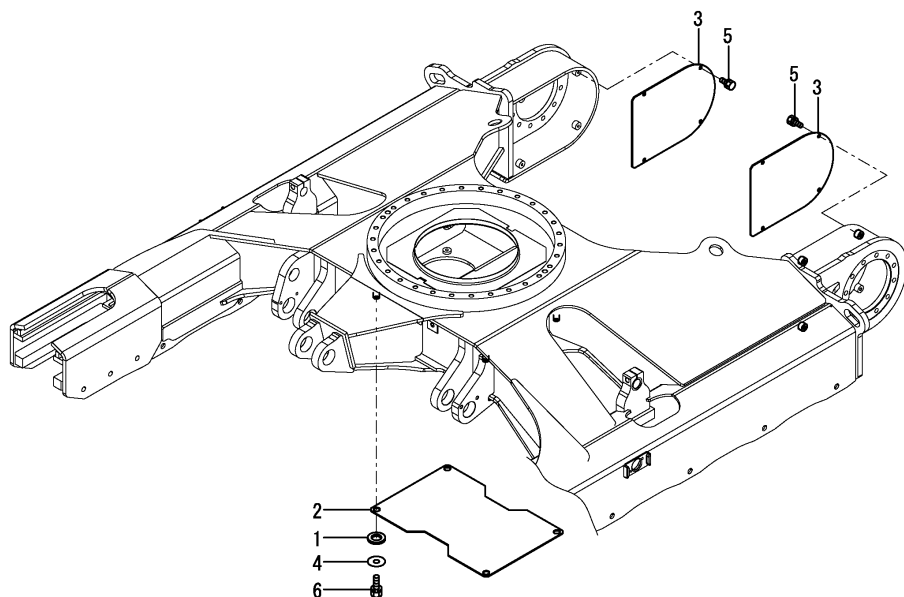


Remarks
(1)Attach the No.26A label to this part.
(2)Not illustrated.
(3)Color = DARK OLIVE GRAY.
(4)Color = BLACK.

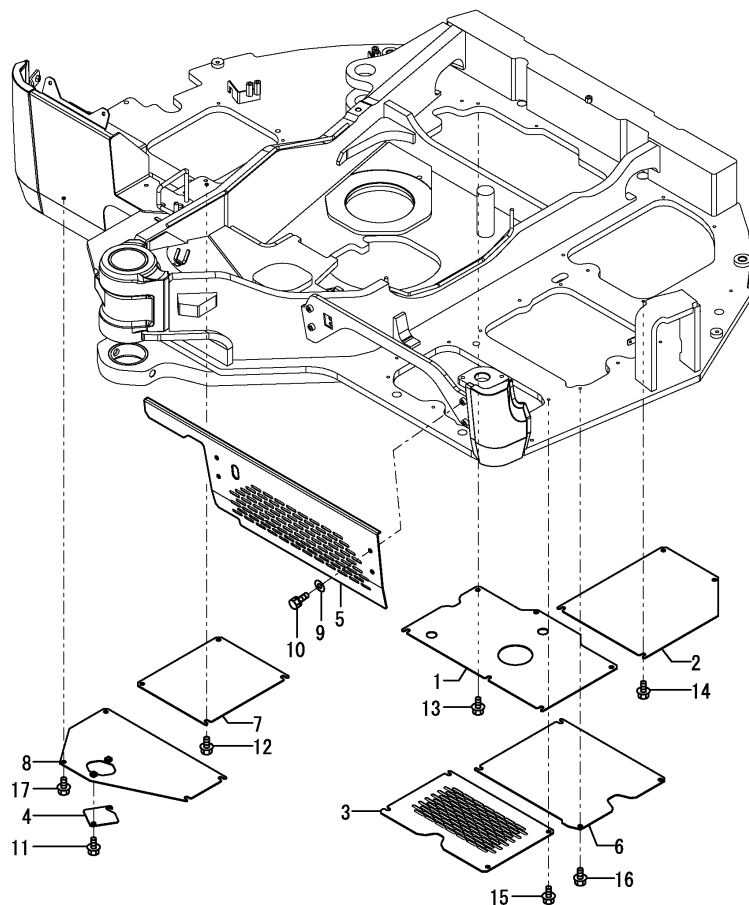
(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(F)=

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	SPONGE	1							
9	2	172B11-61290	SPONGE, COVER REAR	1							
10	1	172B11-61150	COVER ASSY,P HOSE	1							
12	2	172A65-64840	SEAL, 190	1							
13	1	172B11-61240	COVER ASSY,AC HOSE	1							
15	2	172B11-61280	SPONGE,AC 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							3
19-1	1	172B02-69040	HANDLE,LOCK BLACK	1						S	4
(A=MAF001)											
20	1	172B11-61420	COVER ASSY, FLOOR MA	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	1							1
26A	1	172437-03601	LABEL, 2-WAY US	1							2
27	1	26013-080162	BOLT, SPRING M8X 16	2							
28	1	26013-100252	BOLT, SPRING M10X 25	5							
29	1	26013-100252	BOLT, SPRING 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							

Fig.56. COVER(TRAVEL FRAME)



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)=		
1	1	172162-61500	TRIM			4					
2	1	172187-61500-3	COVER			1					
3	1	172A89-61540	COVER, TRAVEL			2					
4	1	22157-120000	WASHER, 12			4					
5	1	26013-100202	BOLT, M10X 20			8					
6	1	26013-120302	BOLT, M12X 30			4					

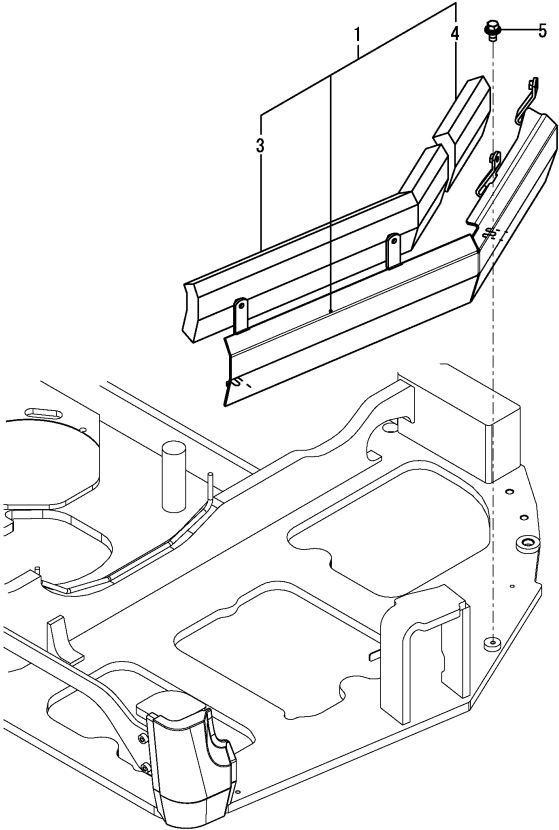


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61500	COVER, OILPAN	1							
2	1	172A89-61510	COVER, PUMP	1							
3	1	172A89-61520-N	COVER, A C/V	1							
4	1	172A89-61530	COVER, DRAIN	1							
5	1	172B11-61550	COVER,FRAME FL	1							
6	1	172A69-61560	COVER	1							
7	1	172A89-61570	COVER, RESERVOIR	1							
8	1	172A89-61580	COVER ASSY, FUEL	1							
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							

Fig.58. FRAME GUARD(LEFT)

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

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



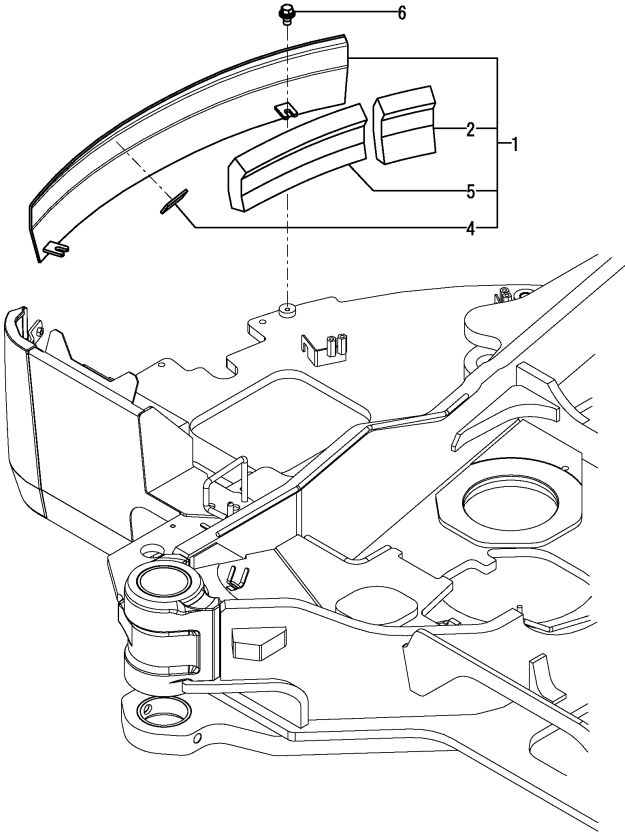
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61340	GUARD ASSY,FRAME L	1							1
3	2	172B11-61380	SPONGE, GUARD L A	1							
4	2	172B11-61390	SPONGE, GUARD L B	1							
4A	1	172472-03141	LABEL, SUPPORT	1							2
4B	1	172437-03352	LABEL, CYLINDER	1							2
5	1	26106-100202	BOLT, M10X 20 PLATED	2							

Remarks
(1)Attach the No.4A & 4B label to this part.
(2)Not illustrated.

Fig.59. FRAME GUARD(RIGHT)

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

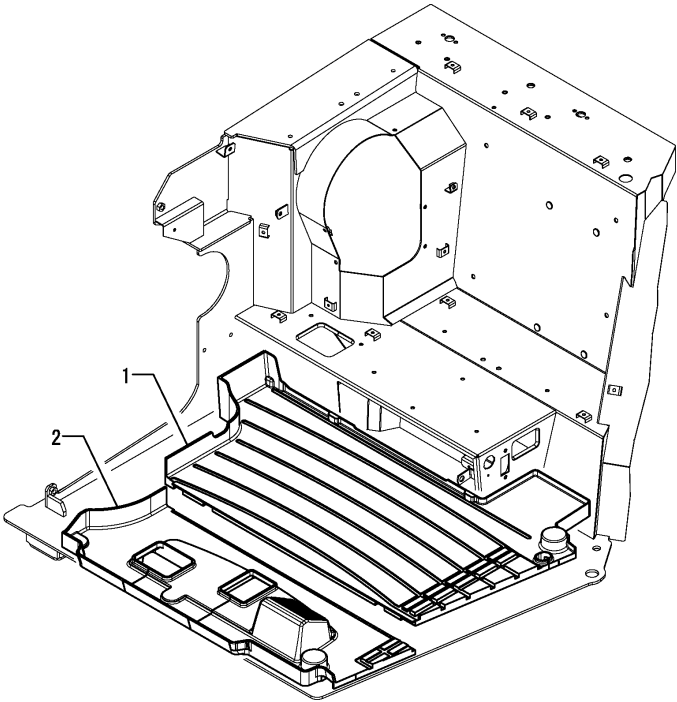
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61440	GUARD ASSY,FRAME R	1							1
2	2	172B11-61330	SPONGE,MULTI COVER	1							
4	2	172A89-61470	RUBBER, PLATE	1							
5	2	172B11-62020	SPONGE, GUARD R B	1							
5A	1	172437-03352	LABEL, CYLINDER	1							2
6	1	26106-100202	BOLT, M10X 20 PLATED	2							

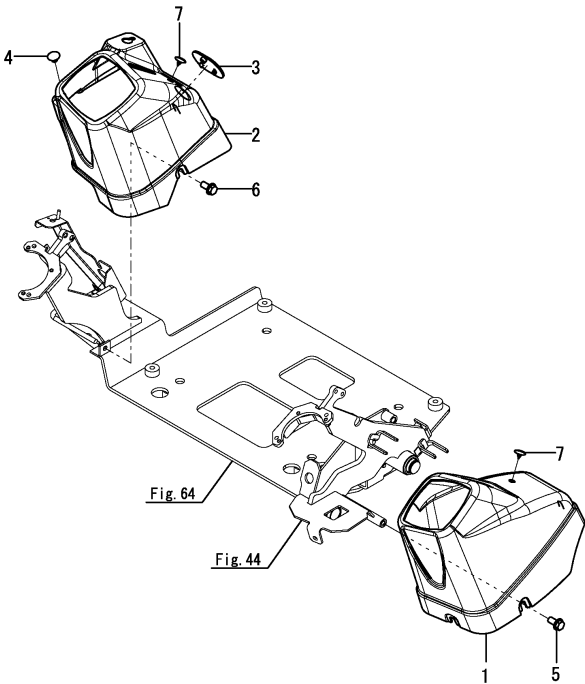
Remarks
(1)Attach the No.5A label to this part.
(2)Not illustrated.

Fig.60. FLOOR MAT



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

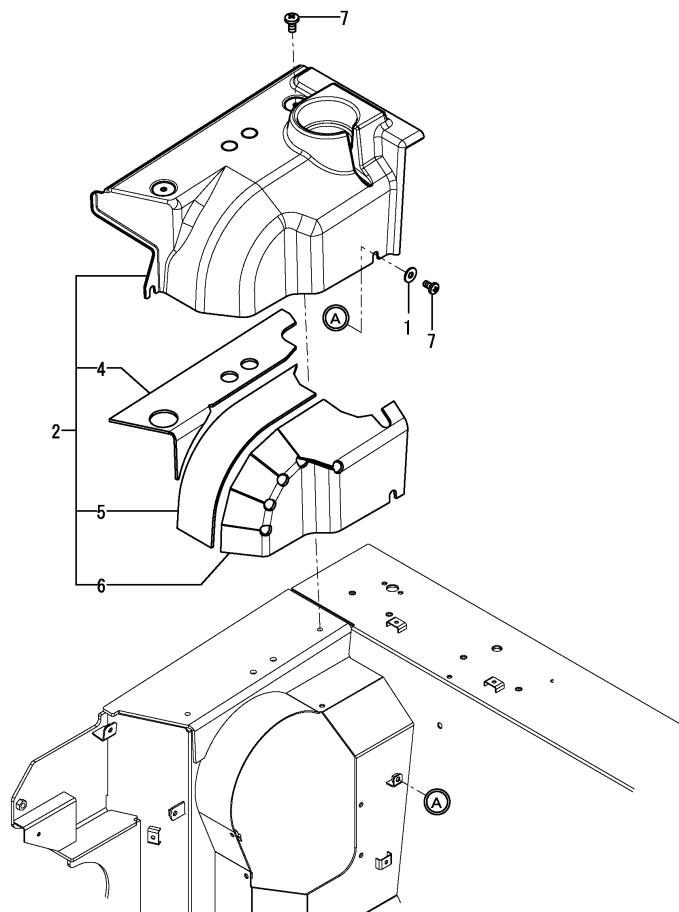
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-62150	FLOOR MAT A	1							
2	1	172A69-62160	MAT, FLOOR	1							



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

										0CK50-M00260 Fig.61	
										(A)=VIO80-1A C(US)	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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	3							
6	1	172519-63240	BOLT	2							
7	1	172176-68210	CLIP, TREE	2							

Fig.62. SIDE COVER

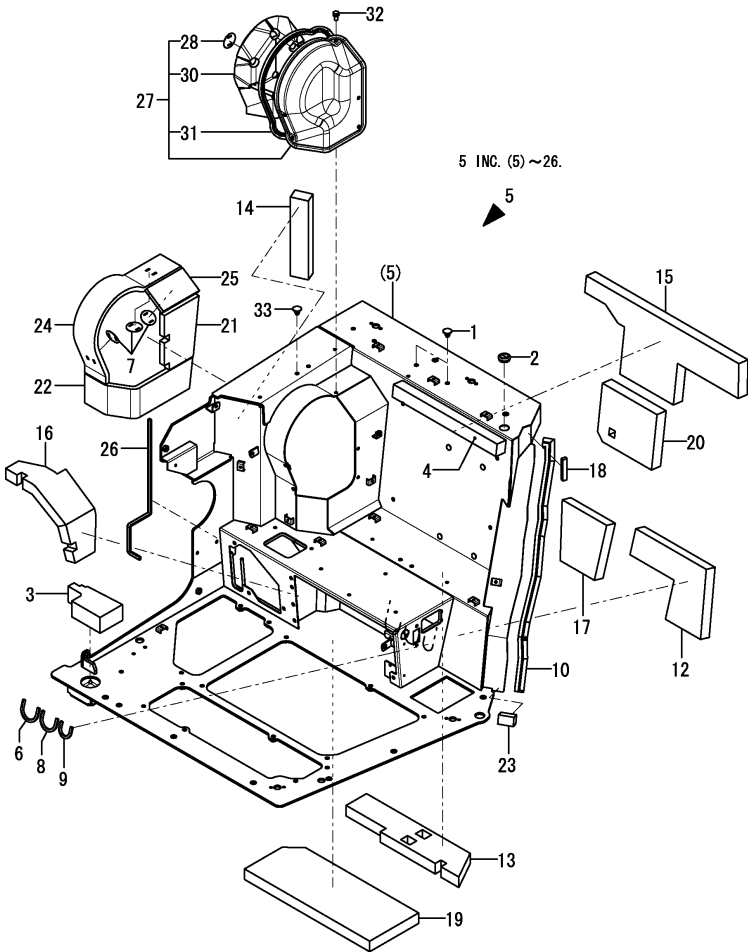


				(A)=VIO80-1A C(US)					(D)=		
				(B)=					(E)=		
				(C)=					(F)=		
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
1	1	172458-62430	WASHER	1							
2	1	172B11-63150	COVER ASSY,SIDE	1							1
2-1	1	172B11-63250	COVER ASSY,SIDE D	1						S	2
(A=MAF001)											
4	2	172B11-63170	SHEET,INSULATION A	1							
5	2	172B11-63180	SHEET,INSULATION B	1							
6	2	172B11-63190	SHEET,INSULATION C	1							
7	1	172137-69850	SCREW	3							

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

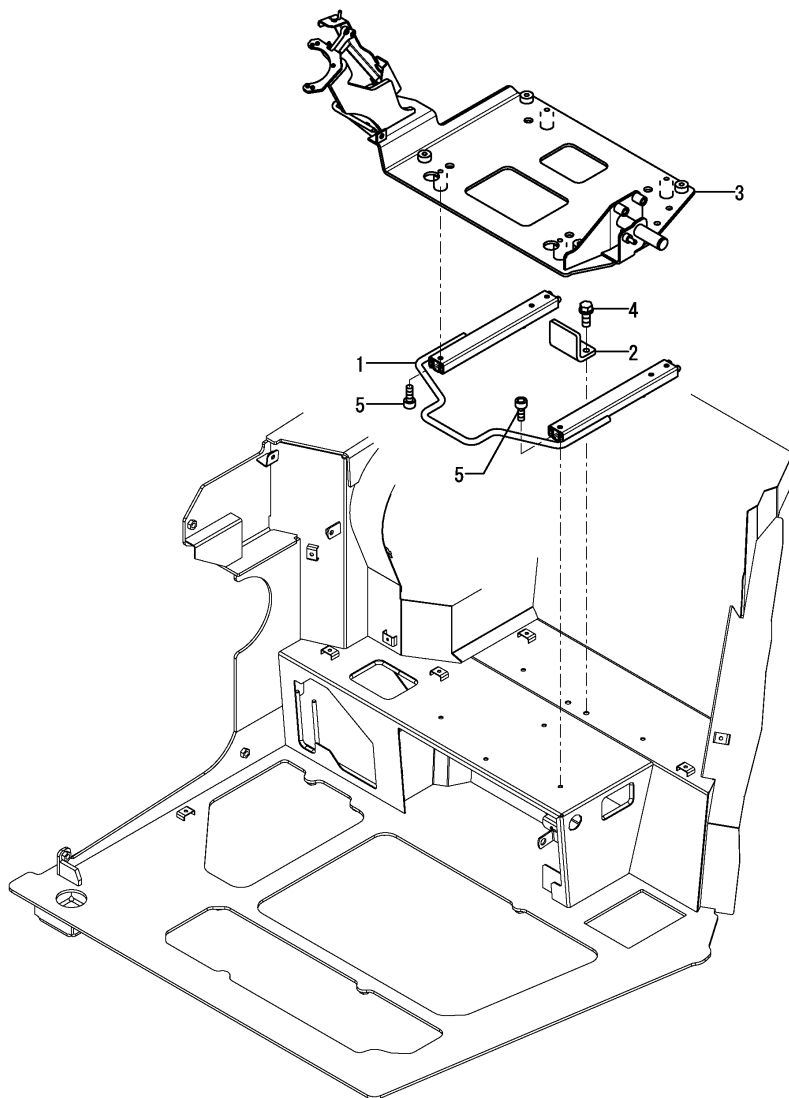
(A)=VIO80-1A C(US)
(B)=
(C)=

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



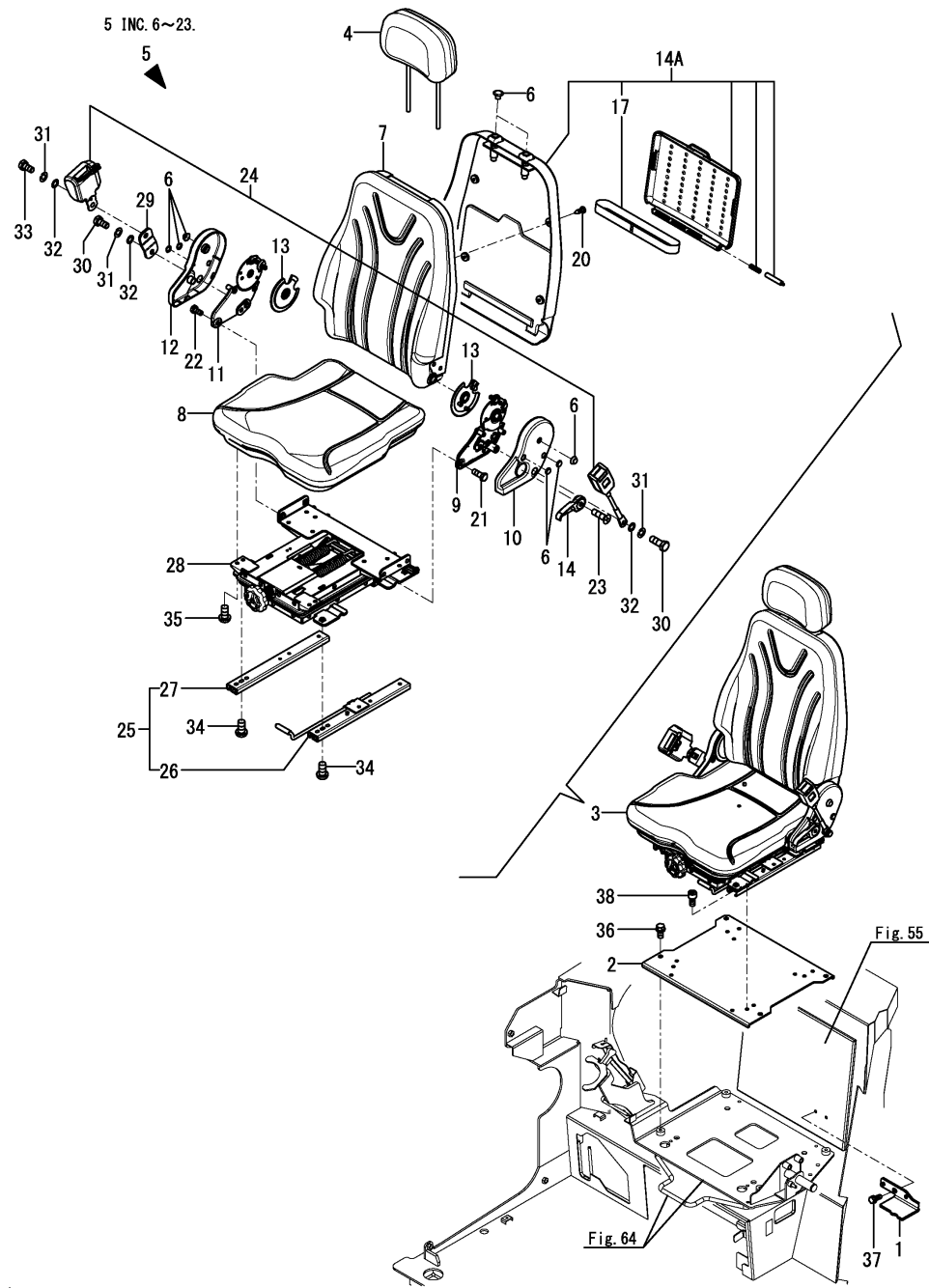
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172122-17190	CLIP, TREE	2							
2	1	172B11-18880	GROMMET,30	1							
3	1	172B11-62250	SPONGE,T60	1							
4	1	172B11-64170	CUSHION,SEAT	1							
5	1	172B11-64200	MOUNT ASSY, SEAT	1							
6	2	172444-17620	SEAL	1							
7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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-64100	SLIDE 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.65. SEAT

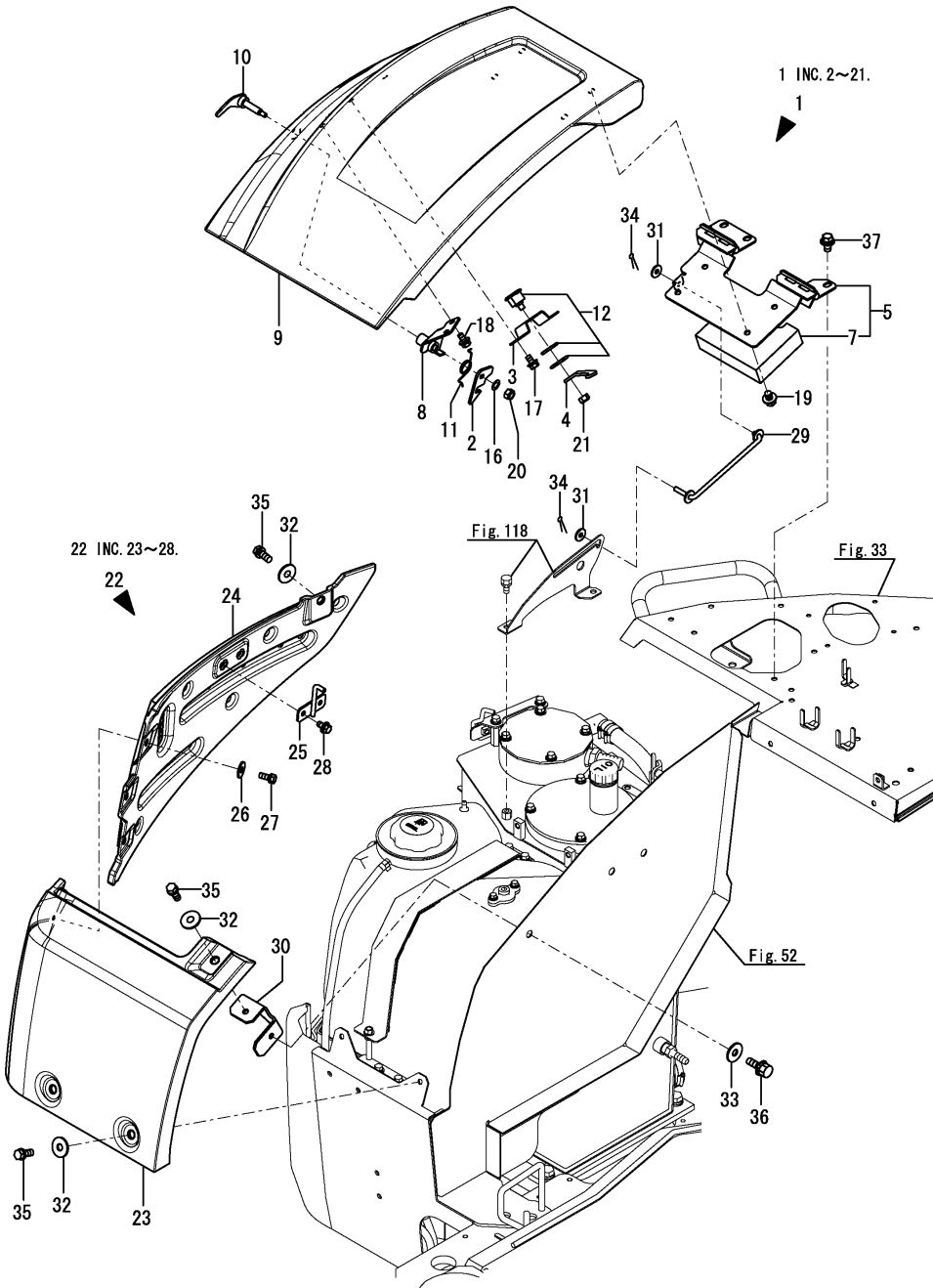


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-61080	STOPPER,SEAT	1							
2	1	172A69-64120	PLATE ASSY	1							
3	1	172A69-64800	SEAT ASSY	1							
4	2	172A89-64720	HEADREST	1							
5	2	172A89-64730	SEAT ASSY, OPERATOR	1							
6	3	172A89-64760	CAP ASSY	1							
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	SEAT BELT 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, SPRING M10X 16	4							
37	1	26014-080162	BOLT, M8X 16	2							
38	1	26450-080162	BOLT, M8X 16	4							

Fig.66. BONNET(BODY)

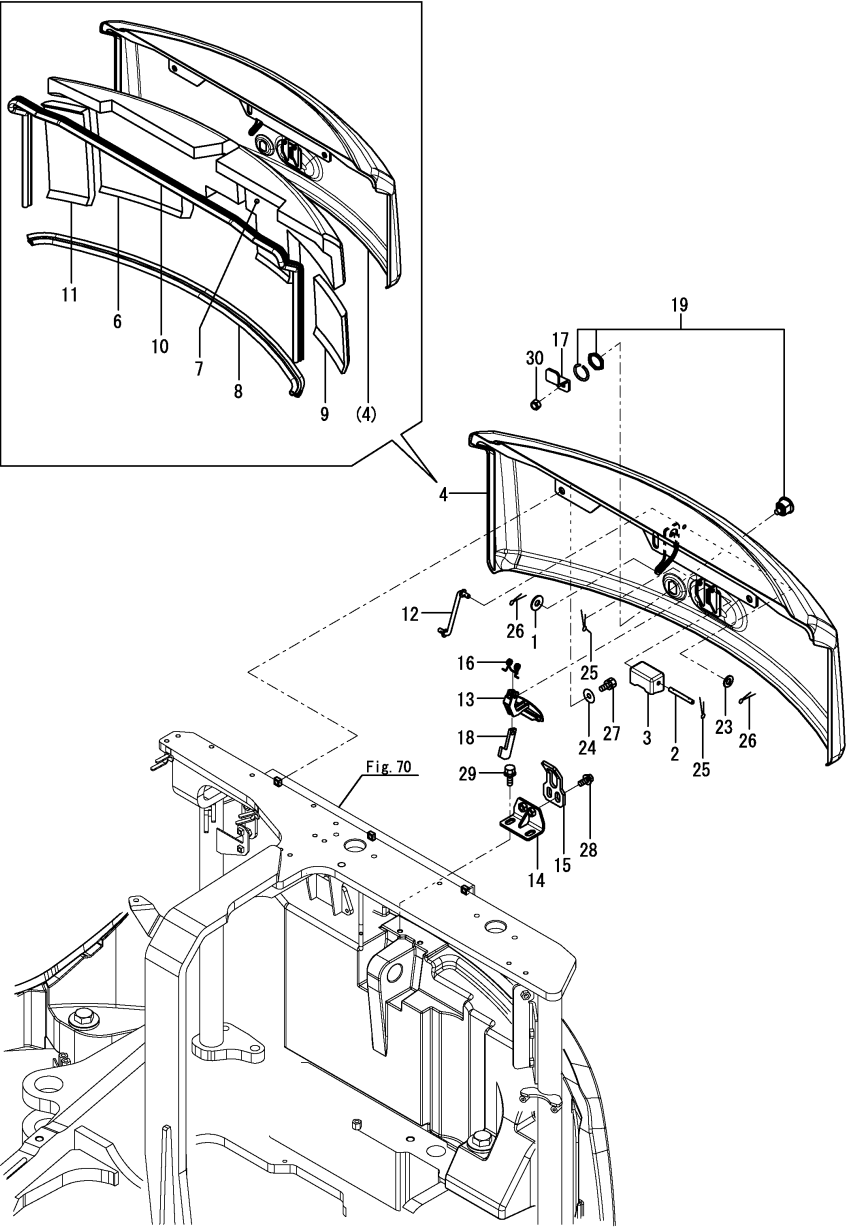
(A)=VIO80-1A C(US)
(B)=
(C)=

(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 BLACK	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	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	1							
23	2	172A69-62440	BONNET	1							
24	2	172A69-62450	BONNET	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.67. BONNET(REAR)

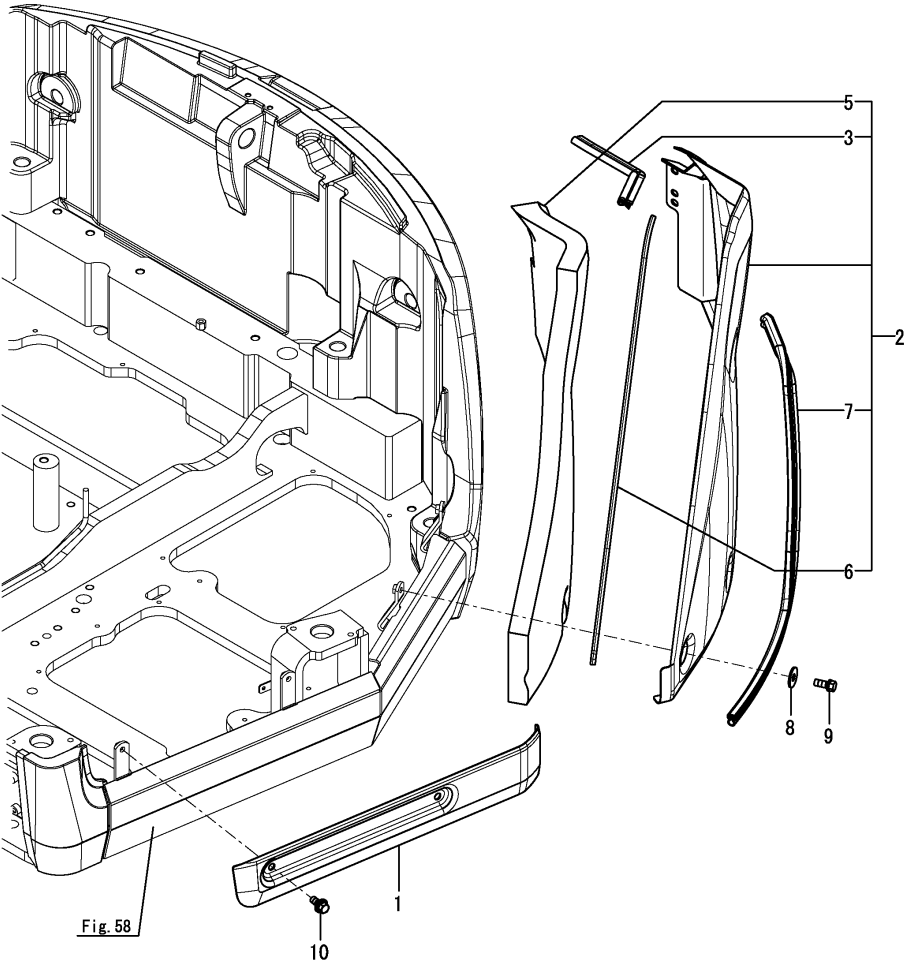


Remarks
(1)Attach the No.11A, 11B, 11C & 11D label to this part.
(2)Not illustrated.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1380-62160	WASHER	1							
2	1	172458-65050	SHAFT	1							
3	1	172458-65060	COVER, LOCK	1							
4	1	172B11-65120	BONNET ASSY,A	1							1
6	2	172B11-65160	SPONGE,BONNET A	1							
7	2	172B11-65170	SPONGE,BONNET A	1							
8	2	172A69-65180	RUBBER, SEAL	1							
9	2	172B11-65180	SPONGE,BONNET A	1							
10	2	172A69-65190	RUBBER, SEAL	1							
11	2	172B11-65190	SPONGE,BONNET A	1							
11A	1	172437-03381	LABEL, SWING AREA	1							2
11B	1	172B03-03390	LABEL,SILENCER EX	1							2
11C	1	172437-03402	LABEL, ENGINE COVER	2							2
11D	1	172A36-03411	LABEL, ENGINE ROOM	1							2
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							

Fig.68. BONNET(LEFT)

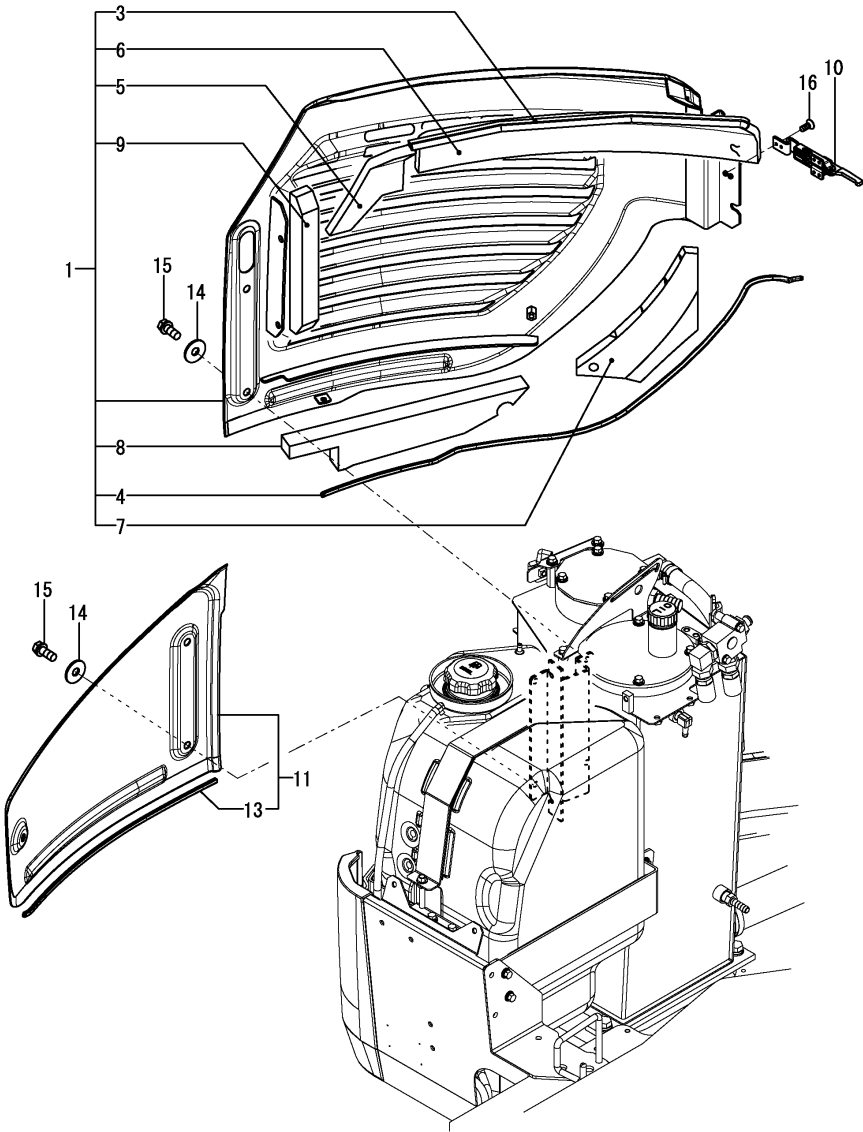


							0CK50-M00260 Fig.68					
							(A)=VIO80-1A C(US)			(D)=		
							(B)=			(E)=		
							(C)=			(F)=		
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172B11-61490	COVER,L FRAME	1								
2	1	172A89-65600-Y	BONNET L ASSY	1								
3	2	172162-15310	SEAL	1								
5	2	172A89-65630	SPONGE	1								
6	2	172A69-65670	TRIM	1								
7	2	172171-65820	RUBBER, SEAL	1								
8	1	22157-100000	WASHER, 10	4								
9	1	26013-100252	BOLT, M10X 25	4								
10	1	26014-100252	BOLT, M10X 25	2								

Fig.69. BONNET(RIGHT)

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

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

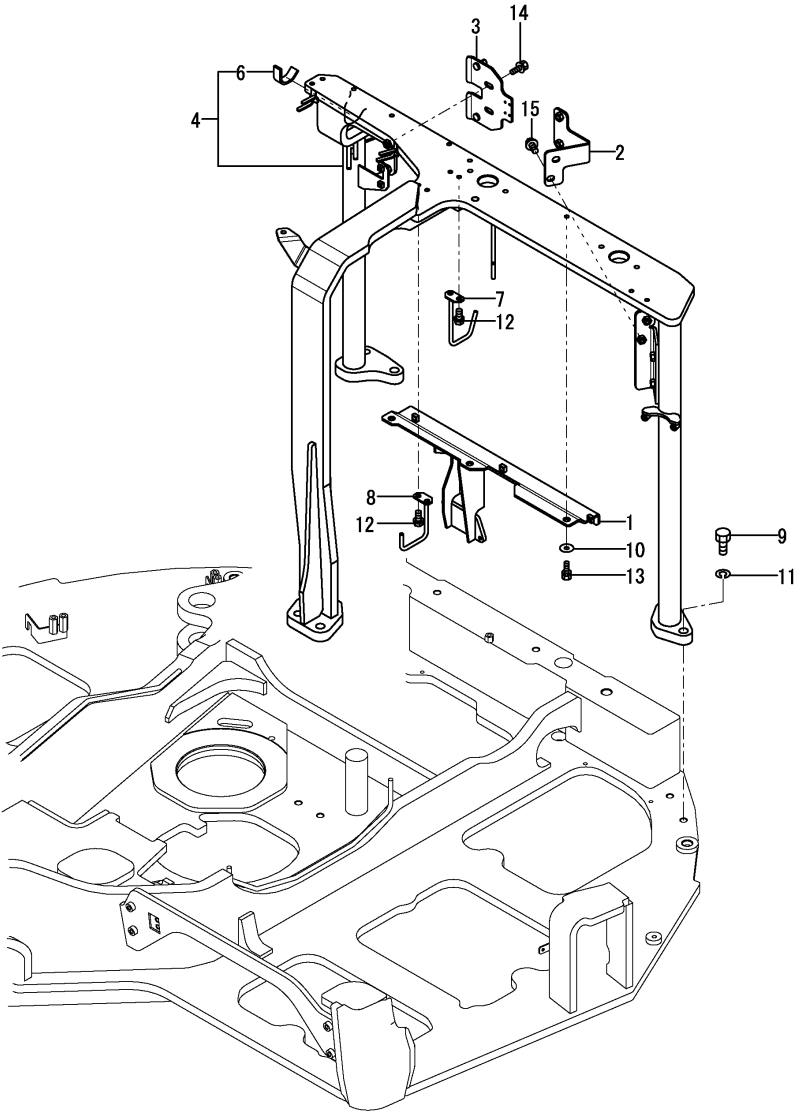


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-65800	BONNET ASSY,R	1							
3	2	172A89-65850	RUBBER, SEAL 670	1							
4	2	172A89-65860	TRIM, 1160	1							
5	2	172B11-65910	SPONGE,BONNET R A	1							
6	2	172B11-65921	SPONGE,BONNET R B	1							
7	2	172B11-65930	SPONGE,BONNET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

Fig.70. CABIN MOUNT(BRACKET)

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

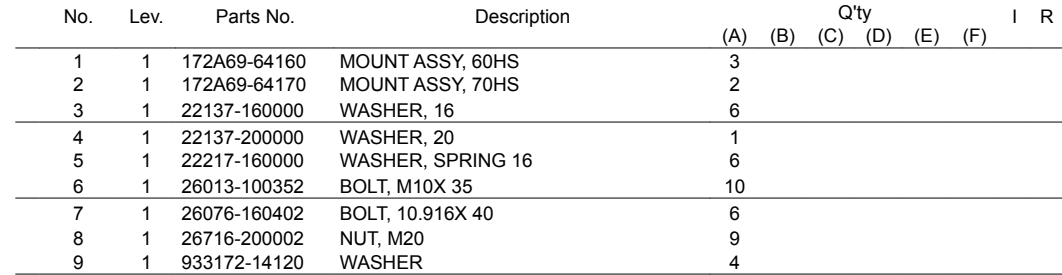
(D)=
(E)=
(F)=

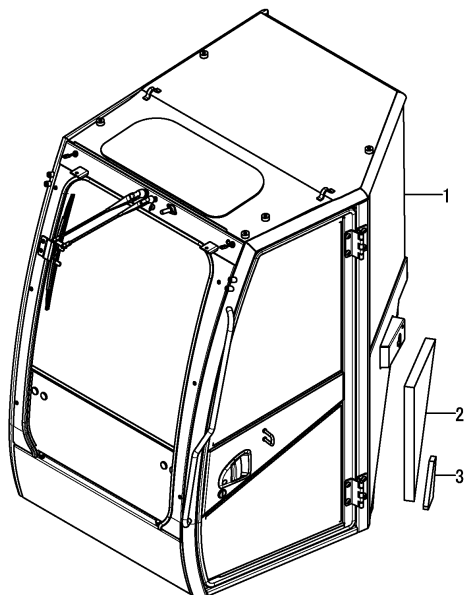


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-65211	BRACKET ASSY,BON A	1							
2	1	172A89-65661	STAY ASSY,BONNET L	1							
3	1	172A89-65950	BRACKET ASSY,BR	1							
4	1	172B11-67100	BRACKET ASSY, CAB M	1							
6	2	172A89-67450	SEAL, SPONGE	1							
7	1	172A89-67360	GUIDE ASSY, HOSE	1							
8	1	172A89-67390	GUIDE ASSY, HOSE	1							
9	1	172460-73320	BOLT	6							
10	1	22157-100000	WASHER, 10	3							
11	1	22217-160000	WASHER, SPRING 16	6							
12	1	26013-100202	BOLT, M10X 20	4							
13	1	26013-100252	BOLT, M10X 25	3							
14	1	26014-100252	BOLT, M10X 25	2							
15	1	26014-100252	BOLT, M10X 25	2							

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

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



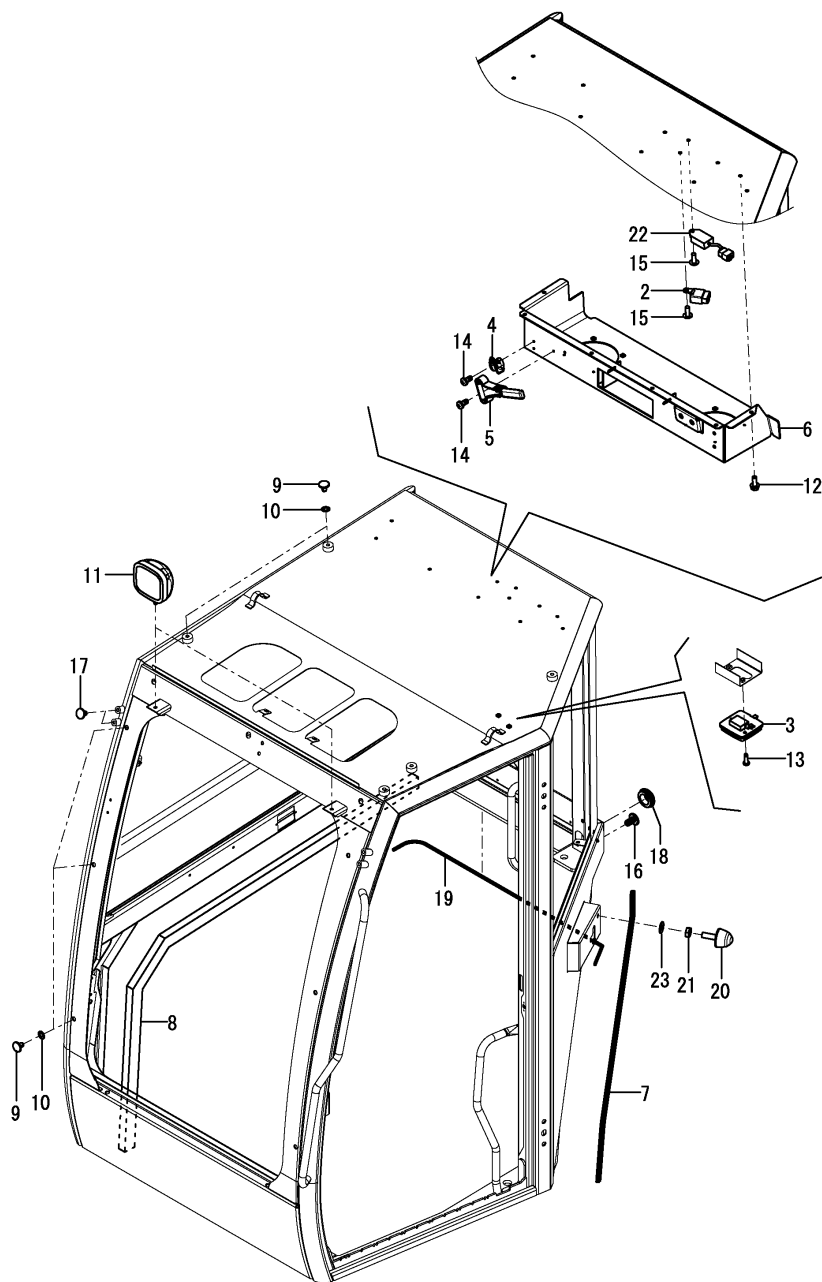


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-68000	CABIN ASSY	1							1
1A	1	172437-03302	LABEL, MANUAL	1							2
1B	1	172437-03441	LABEL, ROPS	1							2
1C	1	172437-03451	LABEL, SEAT BELT	1							2
1S	1	172437-03471	LABEL, LEVER LOCK	1							2
2	1	172B11-68910	SPONGE,CAB A	1							
3	1	172B11-68920	SPONGE,CAB B	1							

* Inner parts are shown in Fig.73 from Fig.82.

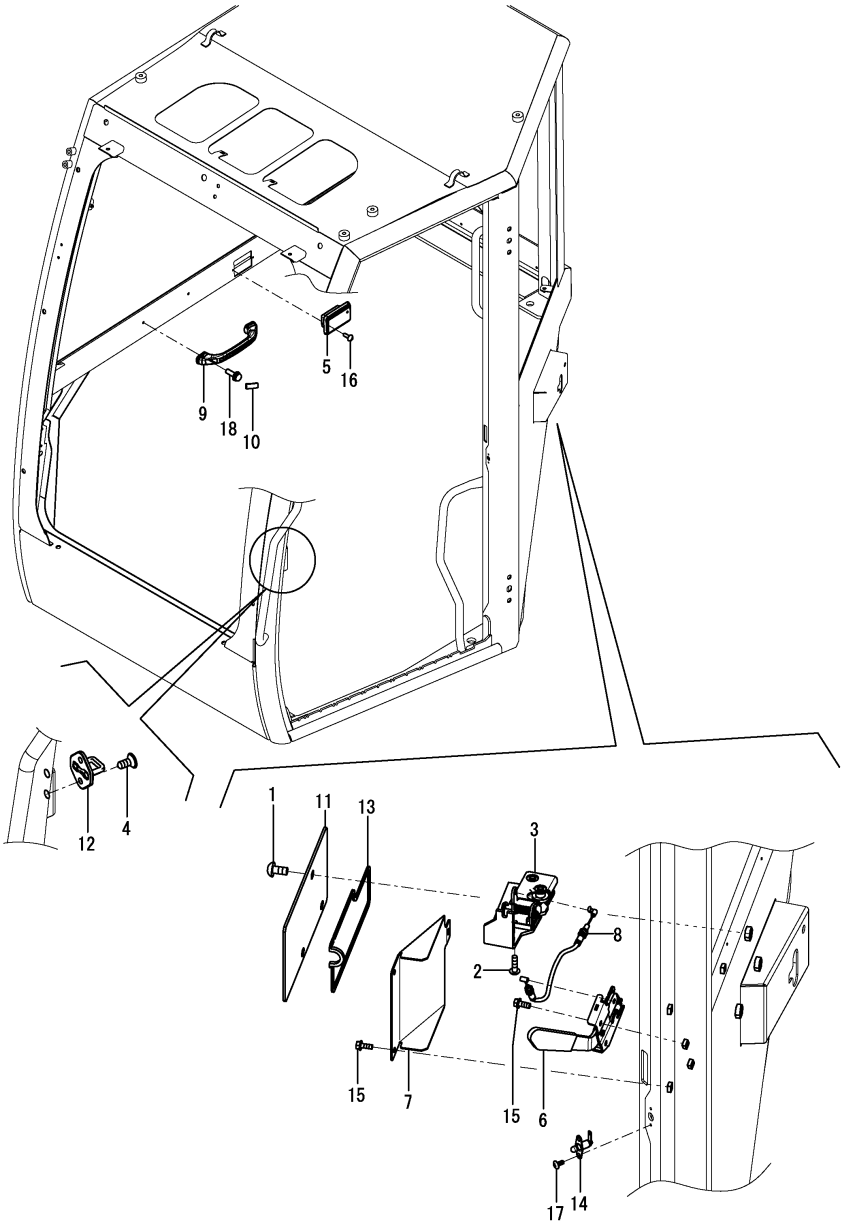
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.73. CABIN(ACCESSORY)(1)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172B02-17150	RELAY,CA C TYPE	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
(A=M1B328)											
10	3	172B11-68320	RUBBER,PACKING	11							
10-1	3	172B11-68320	RUBBER,PACKING	10							K
(A=M1B328)											
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	1							
22	3	128300-77920	TIMER	1							
23	3	22217-100000	WASHER, SPRING 10	1							

Fig.74. CABIN(ACCESSORY)(2)



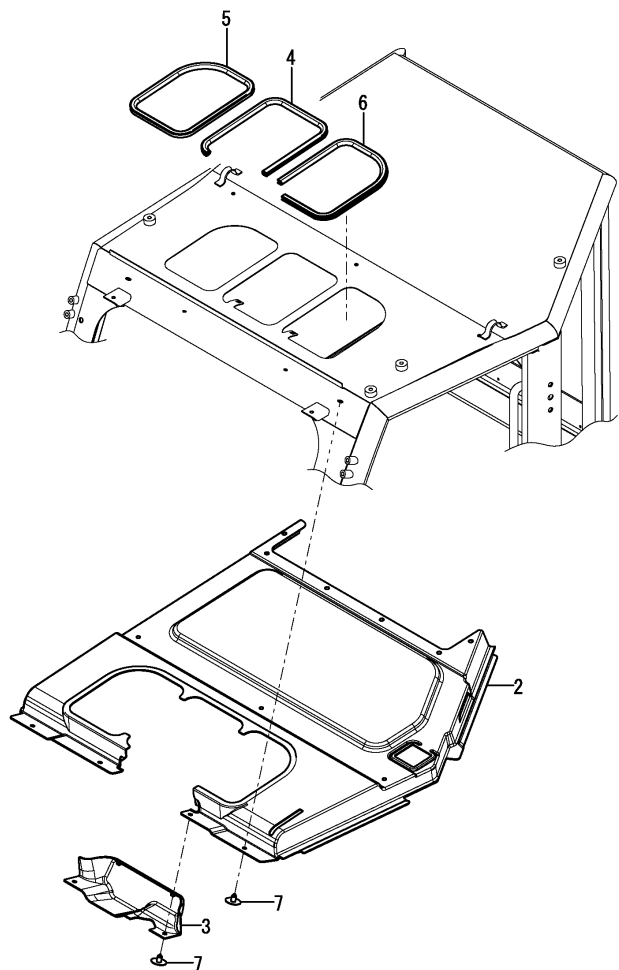
(A)=VIO80-1A C(US)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	3	172458-63730	SCREW	3							
2	3	172455-67350	SCREW	4							
3	3	172B06-68060	LATCH ASSY	1							
4	3	172B06-68130	SCREW,TORX 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							

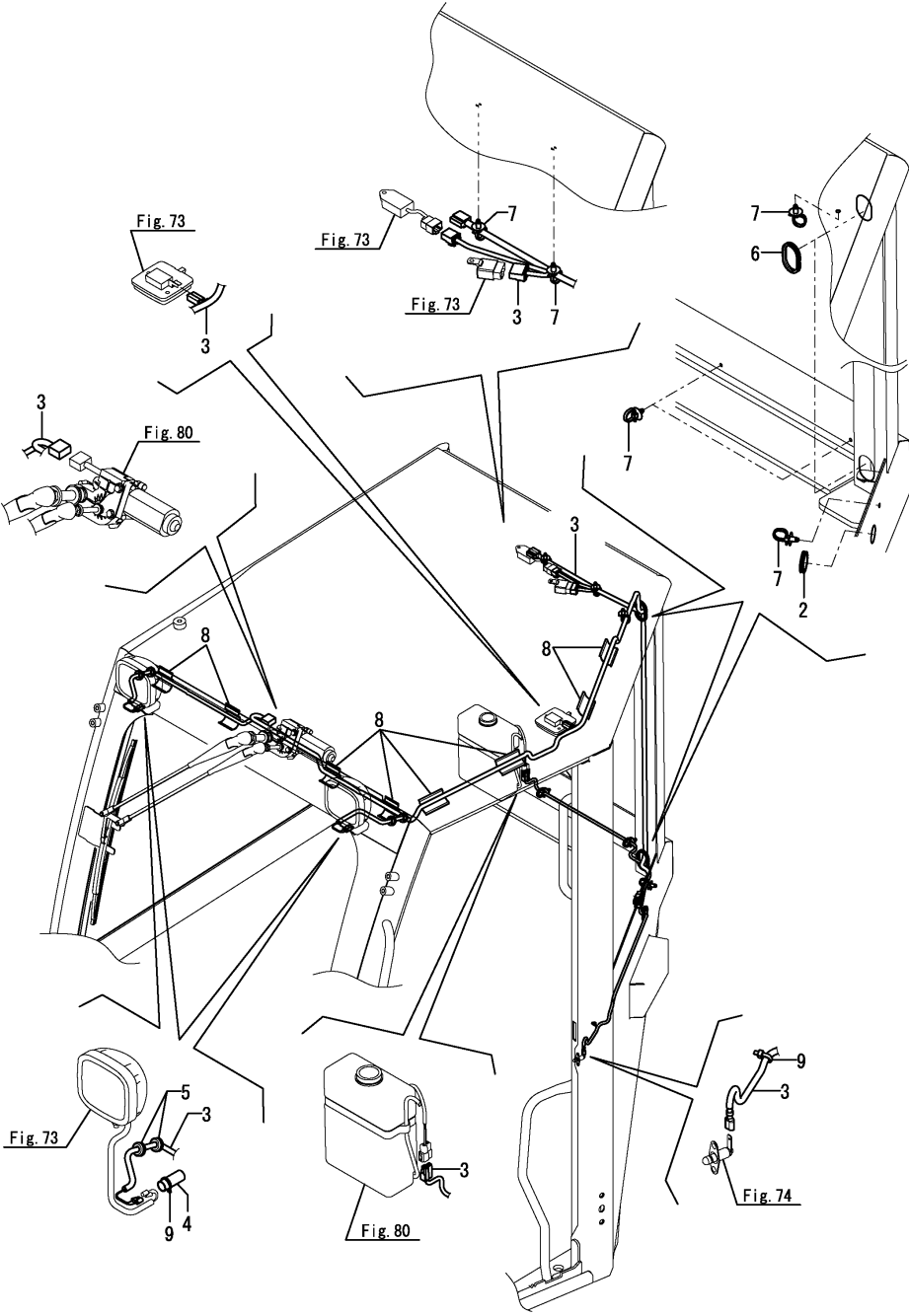
Remarks
(1)Color = GRAY.
(2)Color = BLACK.

Fig.75. CABIN(ACCESSORY)(3)



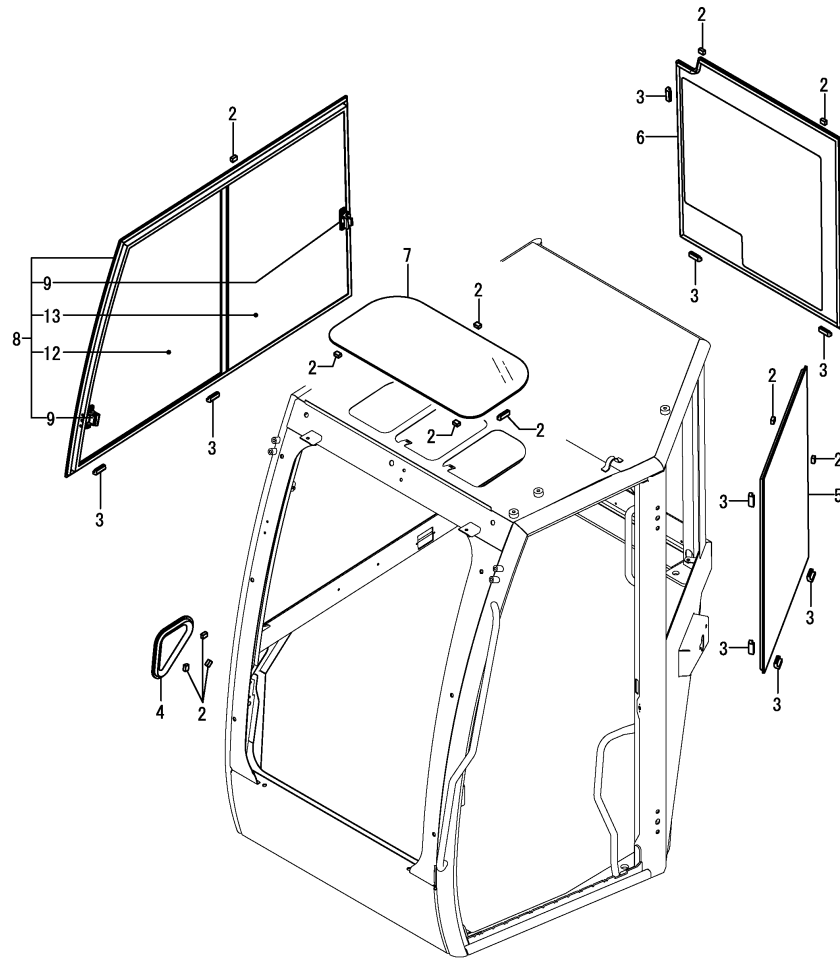
No.	Lev.	Parts No.	Description	(A)	(B)	(C)= Q'ty (D) (E) (F)	I R
2	3	172B11-68410	PAD,ROOF	1			
3	3	172B11-68420	COVER,HEADER FT	1			
4	3	172B11-68430	SEAL,673	1			
5	3	172B11-68440	SEAL,783	1			
6	3	172B11-68450	SEAL,815	1			
7	3	172B11-68460	RIVET,7	7			

Fig.76. CABIN(ELECTRIC PARTS)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172455-67940	BUSH	1							
3	3	172B11-68751	HARNESS ASSY,CABIN	1							
3-1	3	172B11-68752	HARNESS ASSY,CABIN	1							N
(A=M1B328)											
4	3	172B11-68760	TUBE ASSY,PVC	2							
5	3	172B06-68780	GROMMET,9.5X3.2	4							
6	3	172B06-68800	BUSH,90	2							
7	3	172B06-68830	BAND, BINDING	6							
8	3	172B06-68870	TAPE,SOFT	6							
9	3	933168-55770	BAND	3							

Fig.77. CABIN(GLASS)

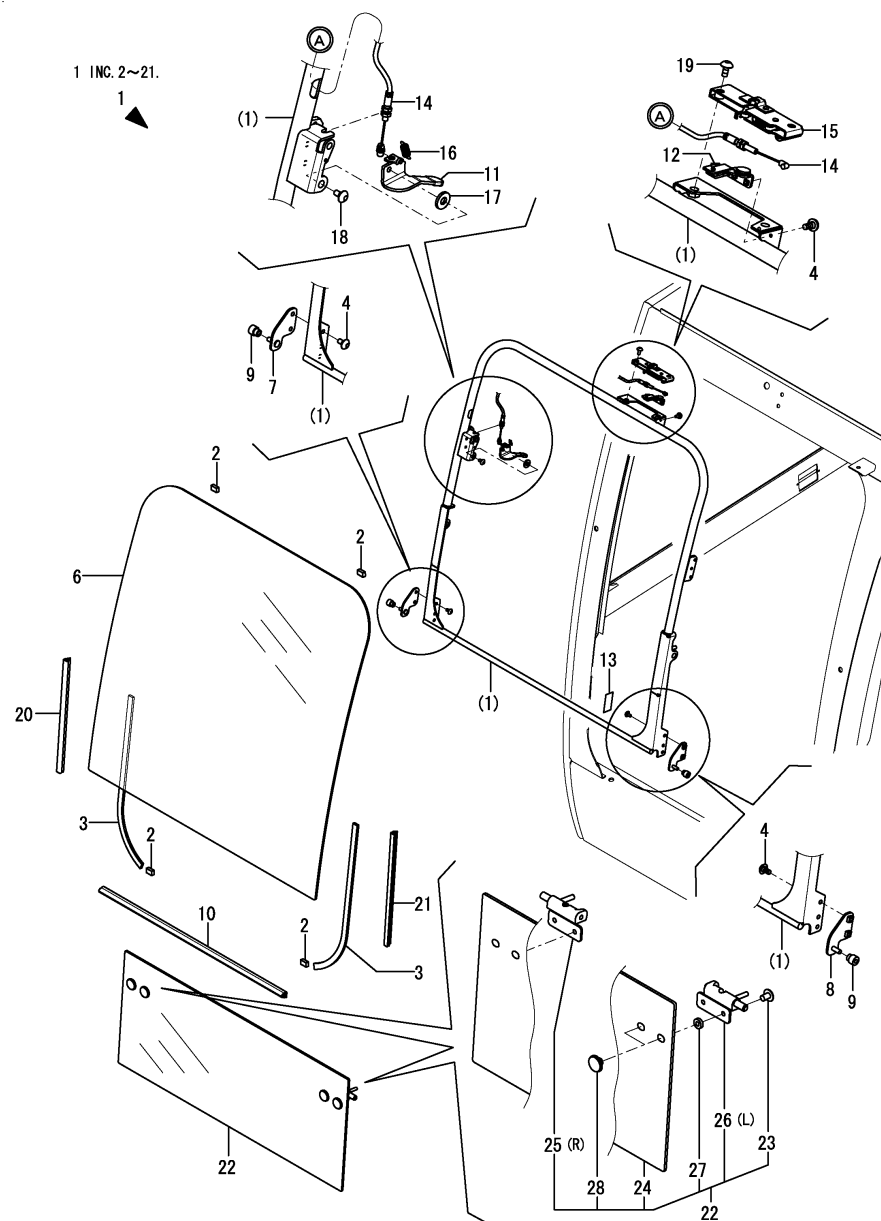


(1) Attach the No.14A & 14B label to this part.
(2) Attach the No.15A, 15B, 15C, 15D, 15E, 15F & 15G label to this part.
(3) Not illustrated.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172458-63950	SPACER	12							
3	3	172458-63960	SPACER	11							
4	3	172B11-68560	GLASS,RIGHT FRONT	1							
5	3	172B11-68570	GLASS,LEFT	1							
6	3	172B11-68580	GLASS,REAR	1							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,F SASH	1							
13	4	172B11-68640	GLASS,R SASH	1							2
14A	1	172B11-03860	LABEL, LIFT Q US	1							3
14B	1	172B11-03930	LABEL, LIFT US LONG	1							3
15A	1	172437-03312	LABEL, SLOPE	1							3
15B	1	172437-03343	LABEL, TRANSPORT	1							3
15C	1	172437-03372	LABEL, NEUTRAL	1							3
15D	1	172437-03432	LABEL, STEERING	1							3
15E	1	172472-03241	LABEL, PIN US	1							3
15F	1	172B03-04400	LABEL,WARNING HITCH	1							3
15G	1	172B03-04410	LABEL,SAND US	1							3

Fig.78. CABIN(FRONT WINDOW)(1)



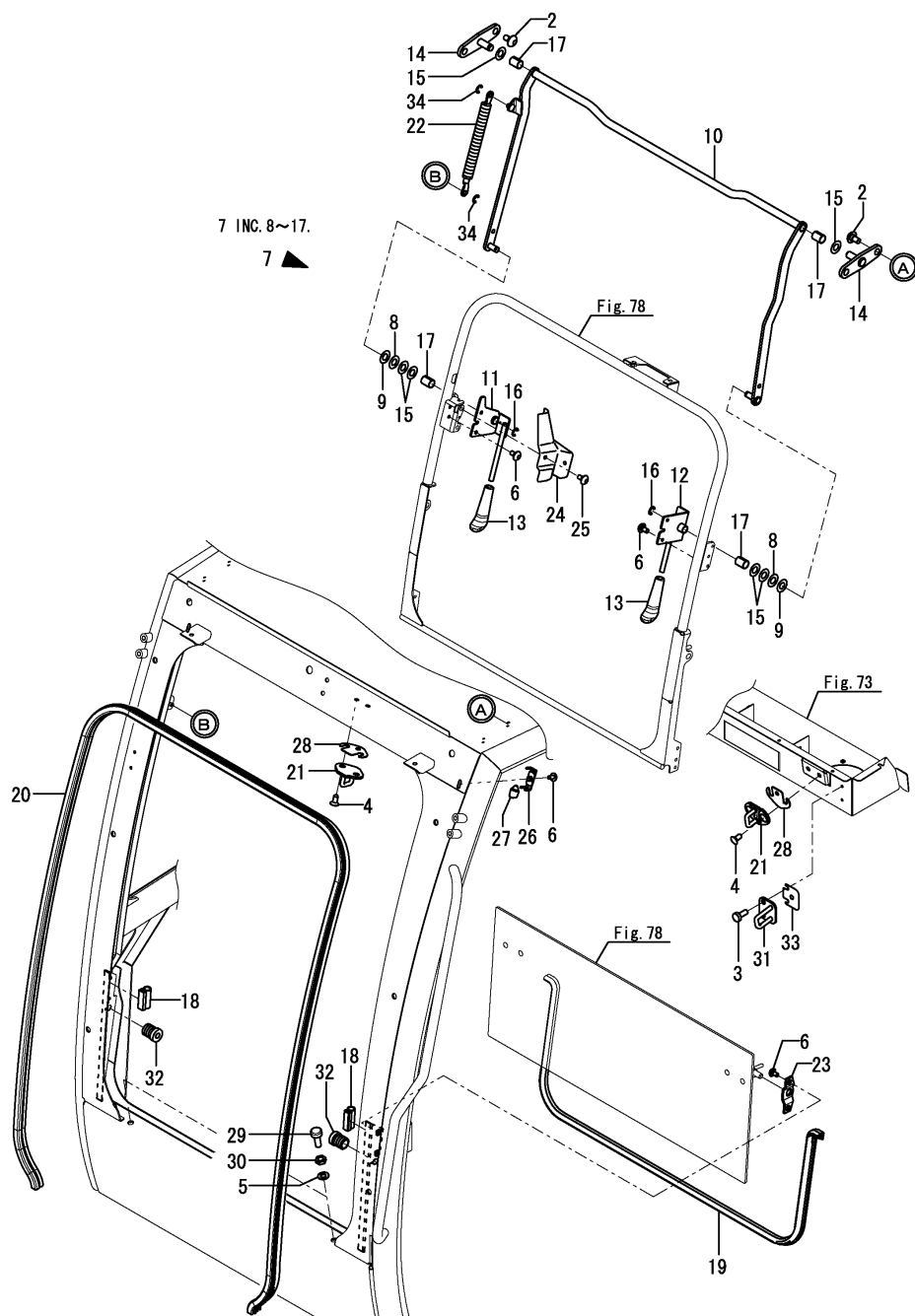
(2) Not illustrated.

(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							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,FT 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							
29A	1	172437-03551	LABEL WINDOW US	1							2

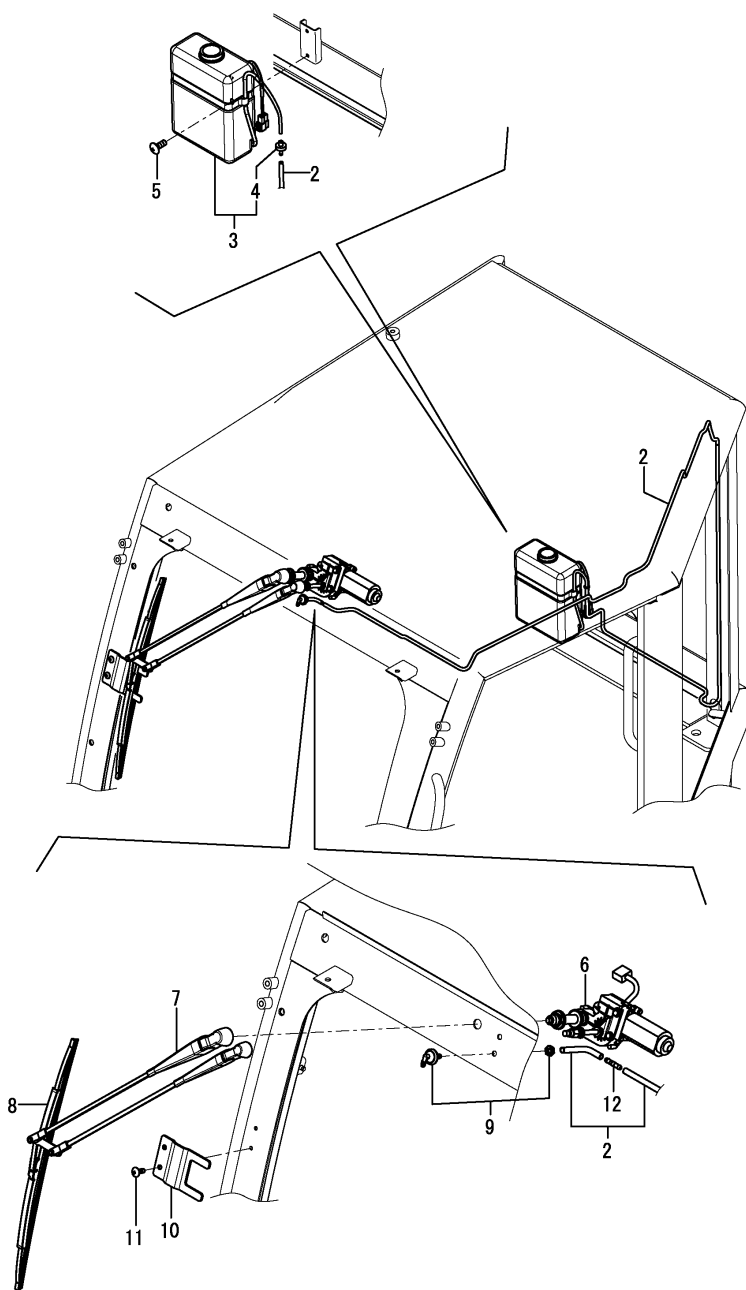
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.79. CABIN(FRONT WINDOW)(2)



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
2	3	172458-63730	SCREW	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	BUSH, 12X20	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,GASS	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	2					
31	3	172B11-69560	STRIKER ASSY,2NDLOCK	1					
32	3	172B11-69570	RUBBER,STOPPER	2					
33	3	172B11-69580	SHIM	1					
34	3	22272-000060	RING, E- 6	2					

Fig.80. CABIN(WIPER & WINDOW WASHER)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	172B11-68030	HOSE,2710	1							
3	3	172B06-68310	TANK, WASHER	1							
3-1	3	172B11-68340	TANK, WASHER	1							N
(A="2015.01)											
4	4	172B06-68410	VALVE, CHECK	1							Z
(A="2015.01)											
5	3	172B11-68800	SCREW,M6X16	2							
6	3	172B11-69220	MOTOR, WIPER	1							
7	3	172B11-69230	ARM,WIPER	1							
8	3	172B06-69240	BLADE ASSY,500	1							
9	3	172B11-69240	CONNECTOR,90 ELBOW	1							
10	3	172B11-69250	BRACKET ASSY,WIPER	1							
11	3	172B11-69420	SCREW,TR-HD	2							
12	3	172B11-69700	VALVE ASSY	1							

Fig.81. CABIN(RADIO)

(A)=VIO80-1A C(US)
(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 TREAT	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							

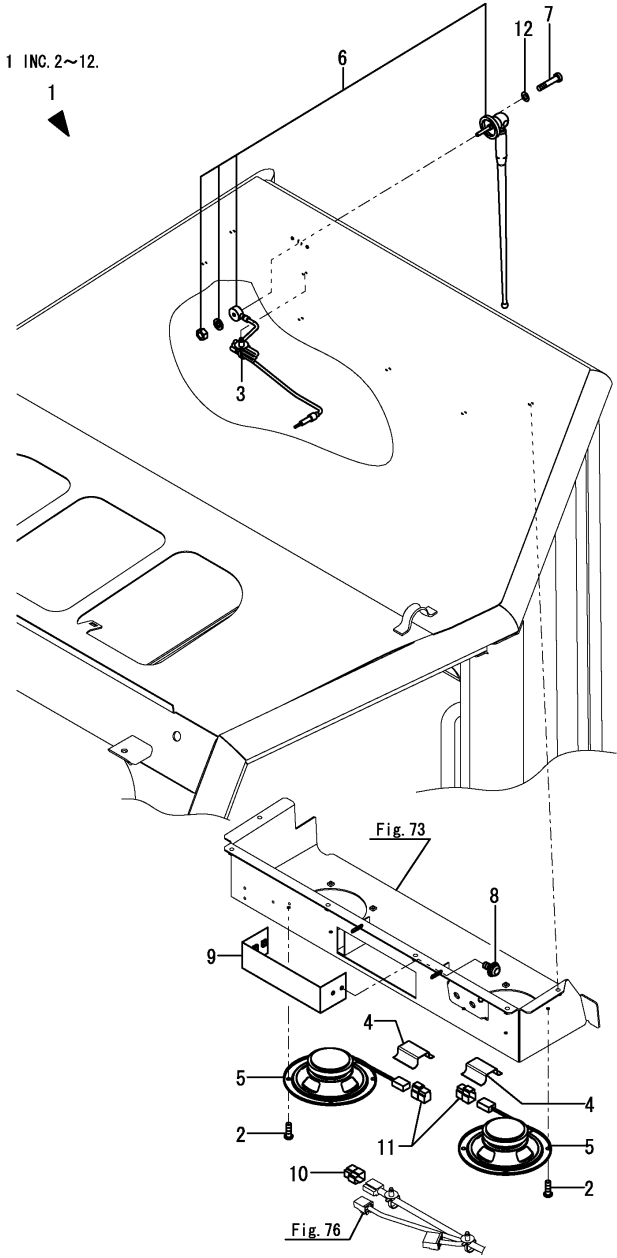
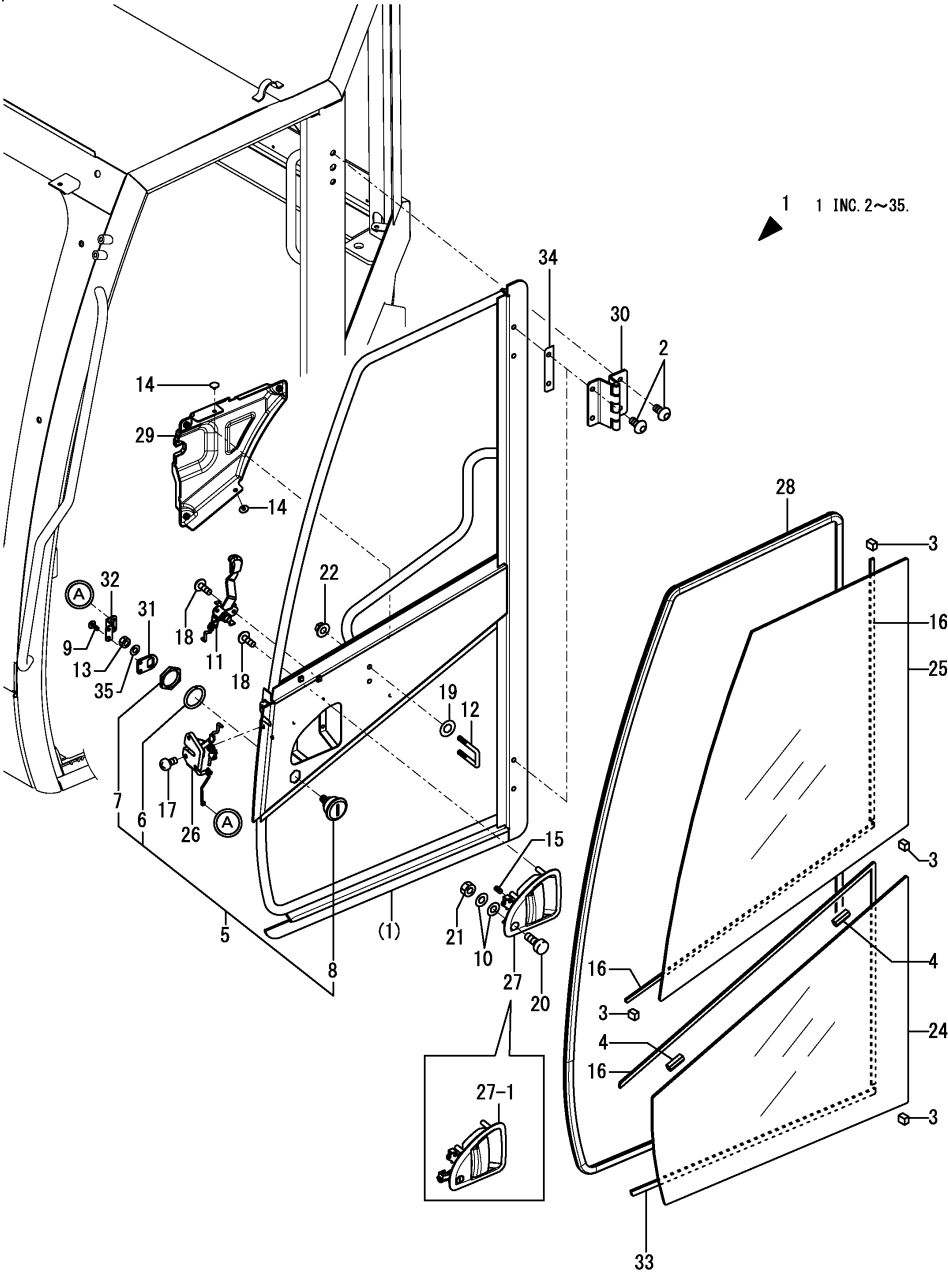


Fig.82. CABIN DOOR

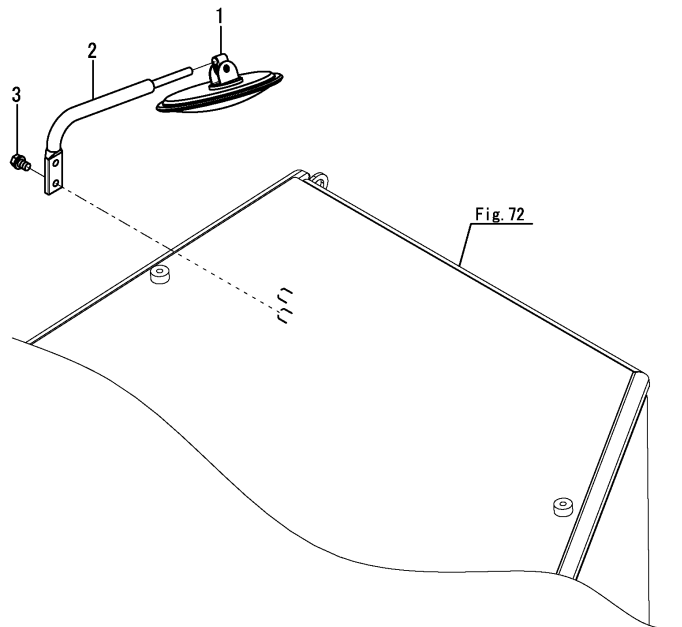
(A)=VIO80-1A C(US)
(B)=
(C)=

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



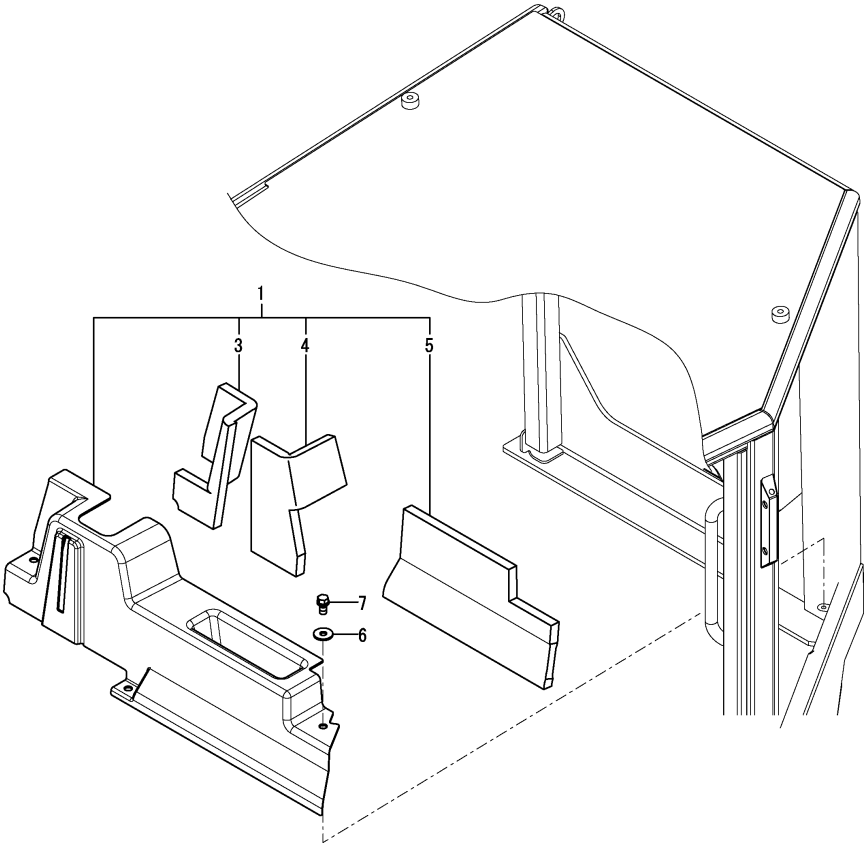
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-69800	DOOR ASSY, CABIN	1							
1-1	2	172B11-69801	DOOR ASSY, CABIN	1						N	
(A=*2015.01)											
2	3	172458-63730	SCREW	8							
3	3	172458-63950	SPACER	4							
4	3	172458-63960	SPACER	2							
5	3	172B03-66170	CYLINDER ASSY, KEY	1						Z	
(A=*2015.01)											
6	4	172B03-66180	WASHER, RING	1						Z	
(A=*2015.01)											
7	4	172B03-66190	NUT, M24	1						Z	
(A=*2015.01)											
8	4	172B03-66200	CYLINDER ASSY, BASE	1						Z	
(A=*2015.01)											
9	3	172B11-68790	SCREW,M4X10	2						Z	
(A=*2015.01)											
10	3	172B11-68860	WASHER,M10	2						Z	
(A=*2015.01)											
11	3	172B06-68940	HANDLE ASSY	1							
12	3	172B06-69010	HOOK, DOOR	1							
13	3	172B11-69010	NUT,M10	1						Z	
(A=*2015.01)											
14	3	172B11-69020	CLIP,TREE	5							
15	3	172B06-69040	LOCK,SCREW	1							
16	3	172B11-69070	SEAL,DUM 2500	1							
17	3	172B06-69080	SCREW, M6X20	3							
18	3	172B06-69090	SCREW	5							
19	3	172455-69270	WASHER	2							
20	3	172455-69550	STOPPER B	1						Z	
(A=*2015.01)											
21	3	172455-69560	NUT	1						Z	
(A=*2015.01)											
22	3	172455-69710	NUT	2							
24	3	172B11-69820	GLASS, DOOR LOW	1							
25	3	172B11-69830	GLASS, DOOR UP	1							
26	3	172B11-69850	LOCK ASSY,DOOR	1							
27	3	172B11-69860	HANDLE ASSY,OUTER	1							
27-1	2	172B11-69861	HANDLE ASSY,OUTER	1						S	
(A=*2015.01)											
28	3	172B11-69870	SEAL, DOOR	1							
29	3	172B11-69880	COVER,DOOR INNER	1							
30	3	172B11-69890	HINGE ASSY,DOOR	2							
31	3	172B11-69900	PLATE,KEYCYL ROD	1						Z	
(A=*2015.01)											
32	3	172B11-69910	BRACKET,KEYCYL ROD	1						Z	
(A=*2015.01)											
33	3	172B11-69920	SEAL,DUM 600	1							
34	3	172B11-69930	SHIM	1							
35	3	22217-100000	WASHER, SPRING 10	1						Z	
(A=*2015.01)											

Fig.83. REARVIEW MIRROR



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(B)=	(C)=	(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.84. CABIN(COVER)



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

(A)=VIO80-1A C(US)
(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,WASHER TA	1							1
1-1	1	172B11-68840	COVER ASSY,WASHER TD	1						S	2
(A=MAF001)											
3	2	172B11-68960	SPONGE,WT COVER A	1							
4	2	172B11-68970	SPONGE,WT COVER B	1							
5	2	172B11-68980	SPONGE,WT COVER C	1							
6	1	22157-080000	WASHER, 8	3							
6-1	1	172458-62430	WASHER	3							S
(A=MAF001)											
7	1	26013-080162	BOLT, SPRING M8X 16	3							
7-1	1	172137-69850	SCREW, BIND M8	3							S
(A=MAF001)											

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1W3855-50160	MIRROR ASSY, BACK	1							
2	1	172A25-68500	MIRROR, REARVIEW	1							

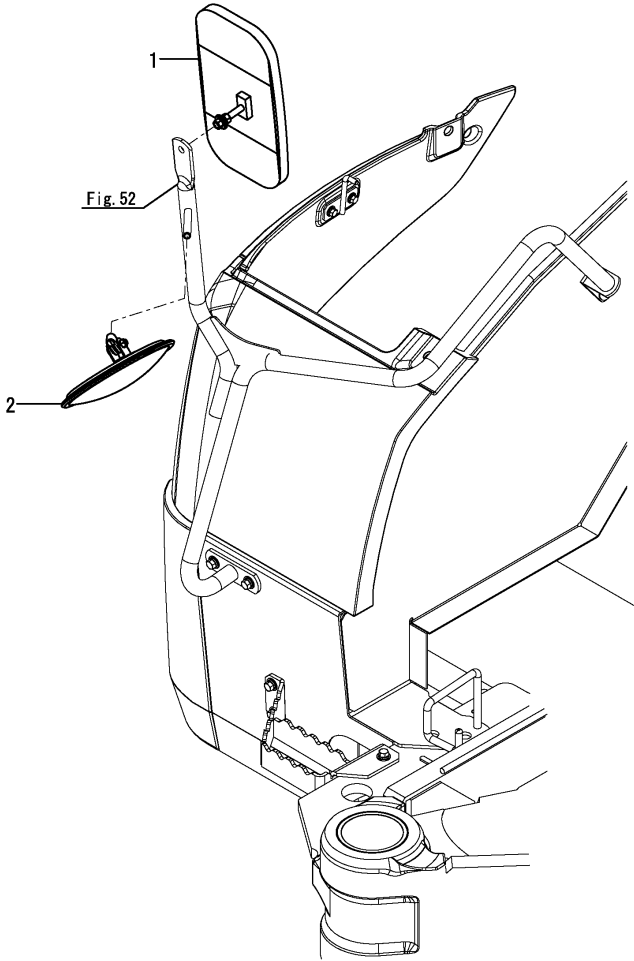


Fig.86. HYDRAULIC PUMP MOUNT & JOINT

(A)=VIO80-1A C(US)
(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	3							

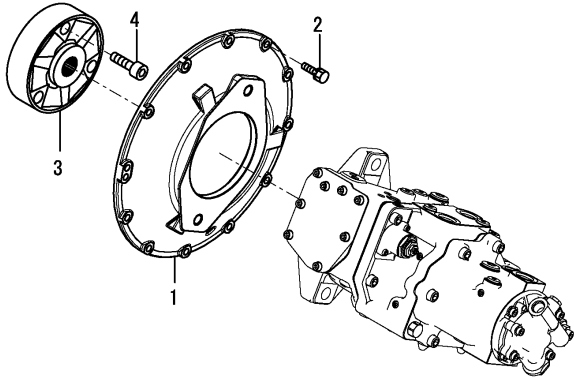
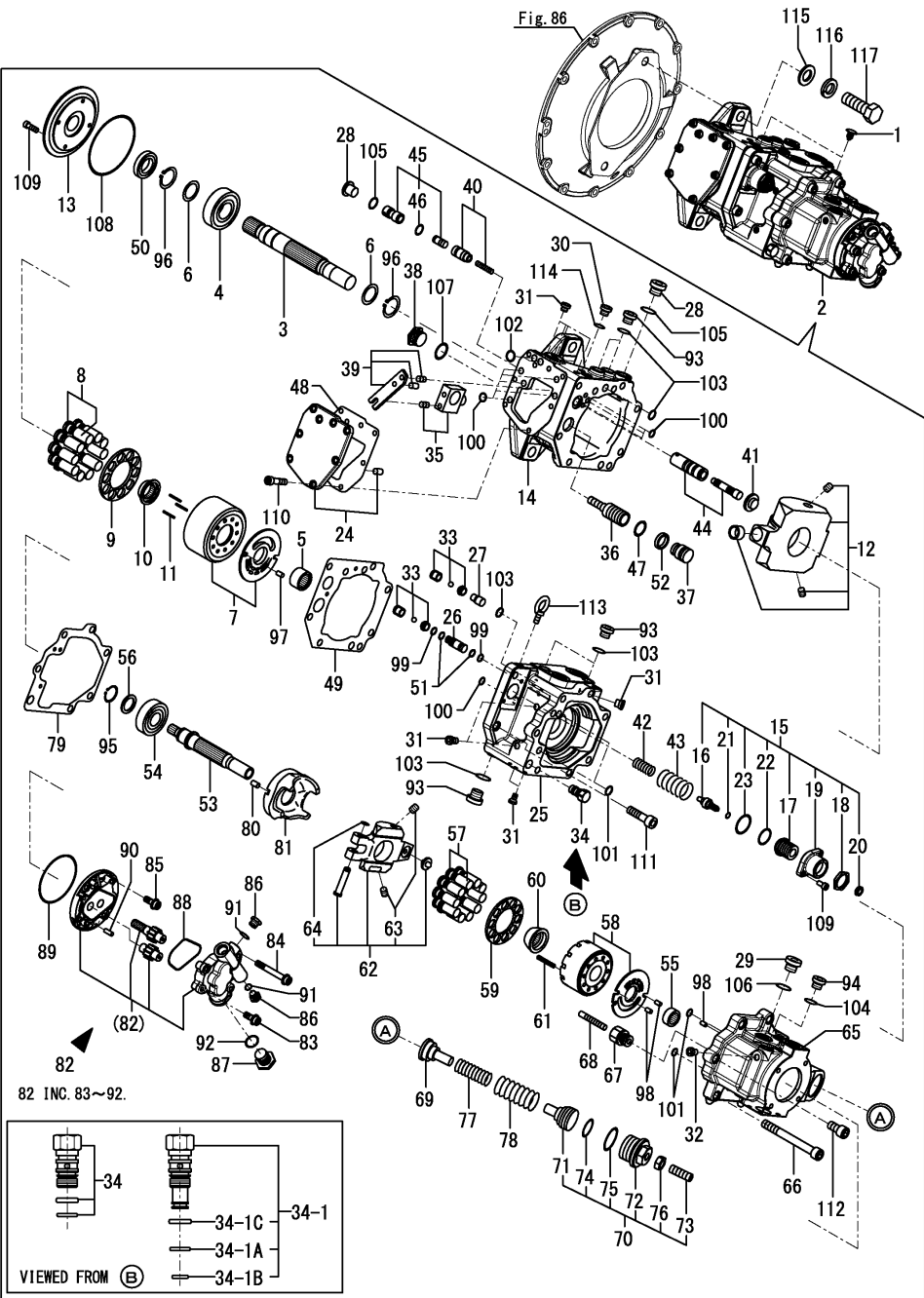


Fig.87. HYDRAULIC PUMP

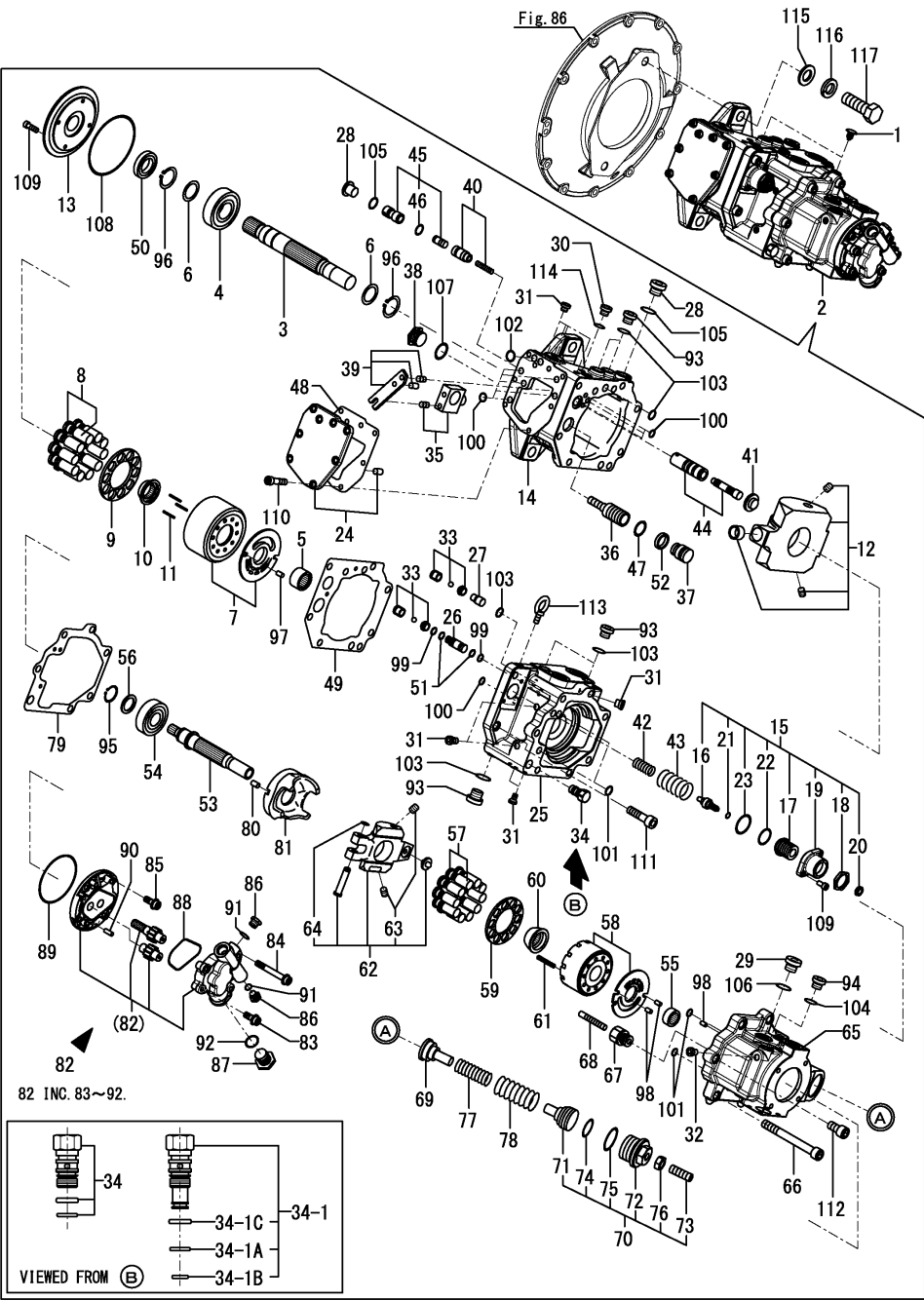
(A)=VIO80-1A C(US)
(B)=
(C)=

(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	172B11-73100	PUMP ASSY	1							
2-1	1	172B11-73200	PUMP ASSY	1							N
(A=M1B494)											
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=M1B494)											
34-1A	3	172B11-70450	O-RING, AS568-015	1							W
(A=M1B494)											
34-1B	3	24315-000100	O-RING, 1BP10.0	1							W
(A=M1B494)											
34-1C	3	24315-000140	O-RING, 1BP14.0	1							W
(A=M1B494)											
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, FEED BAC	1							
40	2	172B11-70310	PISTON ASSY	1							
41	2	172B11-70320	SEAT, SPRING	1							

Fig.87. HYDRAULIC PUMP

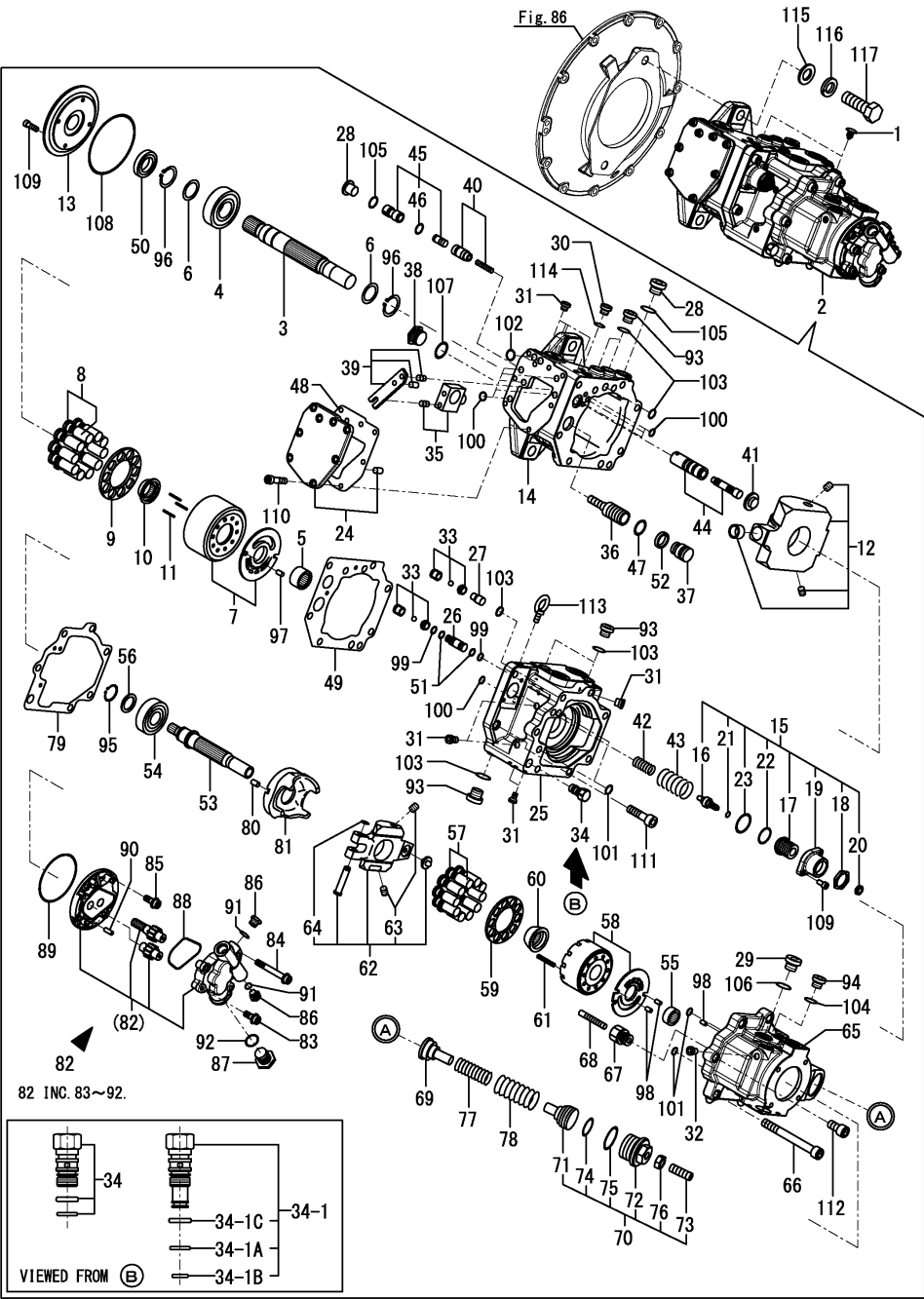


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
42	2	172B11-70330	SPRING, INNER	1							
42-1	2	172B11-70910	SPRING, INNER	1							N
(A=M1B494)											
43	2	172B11-70340	SPRING, OUTER	1							
44	2	172B11-70400	SPOOL ASSY	1							
45	2	172B11-70410	PISTON ASSY,PF	1							
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, SOCKET 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.87. HYDRAULIC PUMP

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

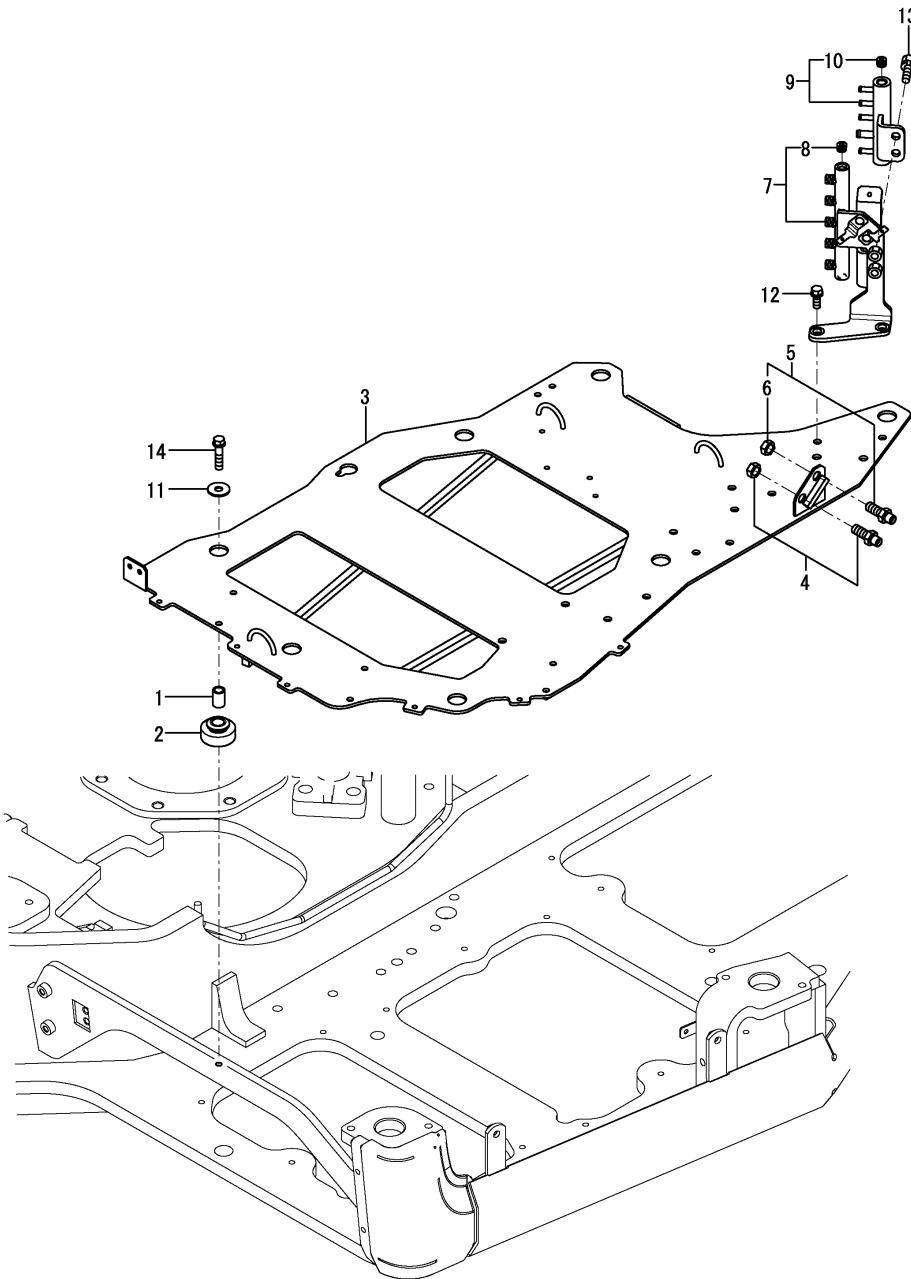
(D)=
(E)=
(F)=



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							

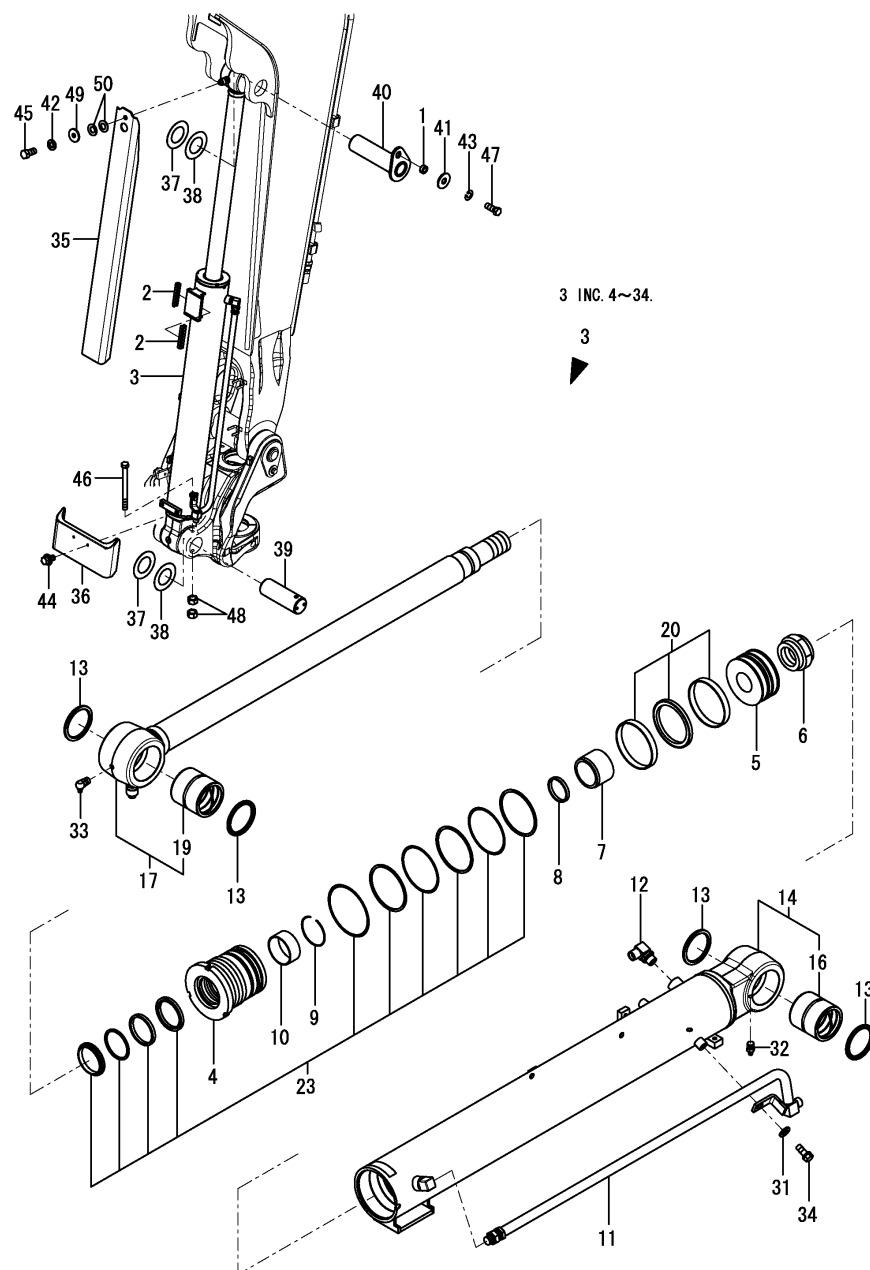
(A)=VIO80-1A C(US)
(B)=
(C)=

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



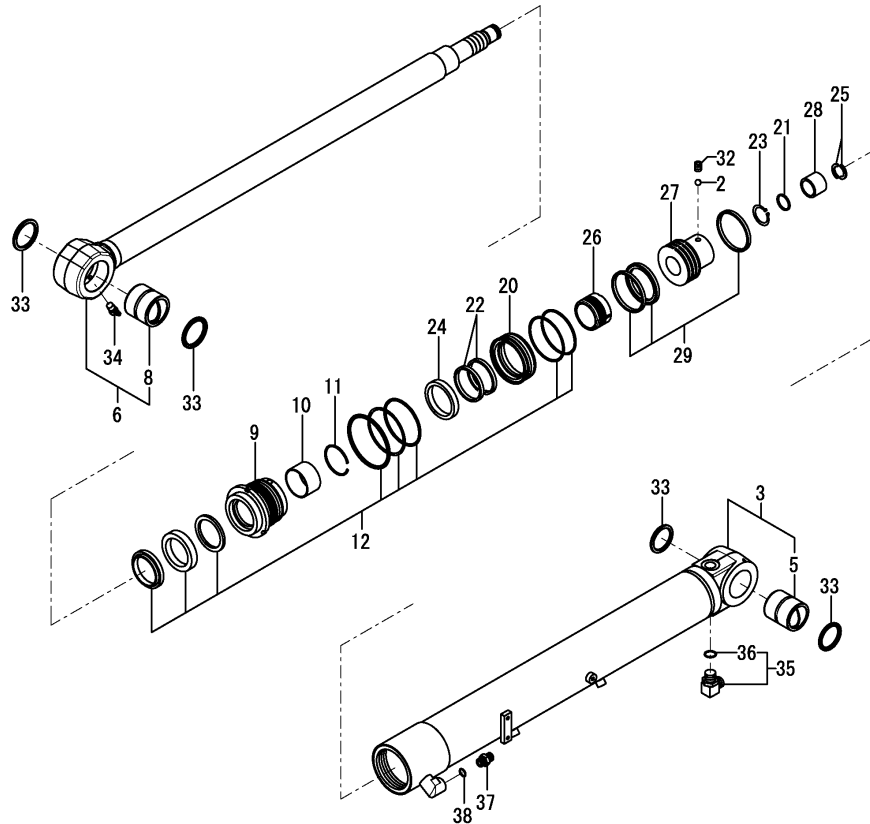
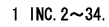
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-71550	COLLAR	7							
2	1	172A69-71560	GROMMET	7							
3	1	172B11-71600	PLATE ASSY, VALVE	1							
4	1	172151-76050	JOINT	1							
5	1	172A89-76150	JOINT	1							
6	2	172A89-76160	NUT, LOCK	1							
7	1	172A69-76680	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							

Fig.89. BOOM CYLINDER



No.	Lev.	Parts No.	Description	Q'ty					
				(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					
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	2					
38	1	172176-81710	SHIM	2					
39	1	172187-81801	PIN, 70X200	1					
40	1	172A89-81810	PIN ASSY	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	2					

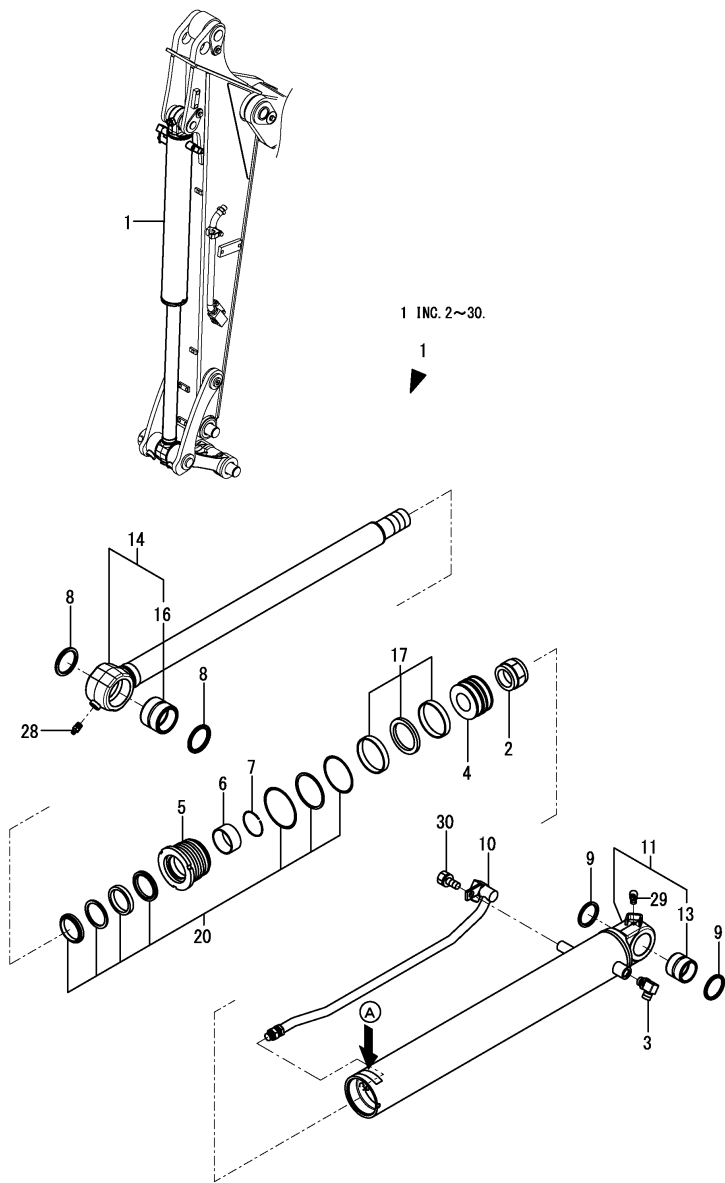
Fig.90. ARM CYLINDER



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)			(D)=			I	R
				(B)=	(C)=		(E)=	(F)=			
				(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							
36	2	24315-000180	O-RING, 1BP18.0	1							
37	1	172112-77361	CONNECTOR	1							
38	1	41851-000180	O-RING	1							

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

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



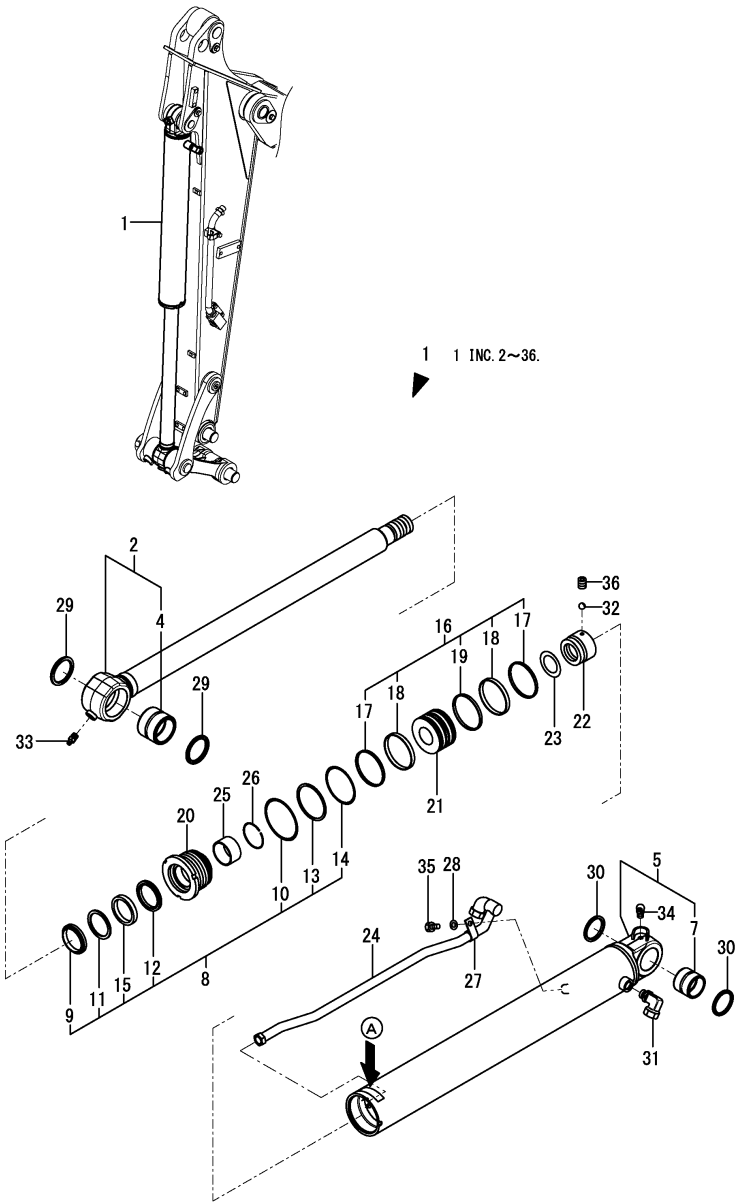
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72500	CYLINDER ASSY, BUCKET	1							Z
(A=*2016.03)											
2	2	172B11-72130	NUT, LOCK	1							
3	2	172B11-72190	ELBOW, G1/2	1							
4	2	172B11-72510	PISTON	1							
5	2	172B11-72520	HEAD	1							
6	2	172B11-72530	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.176(91A).
The inner parts are not compatible.

Fig.176. (91A)BUCKET CYLINDER(J SPEC.)

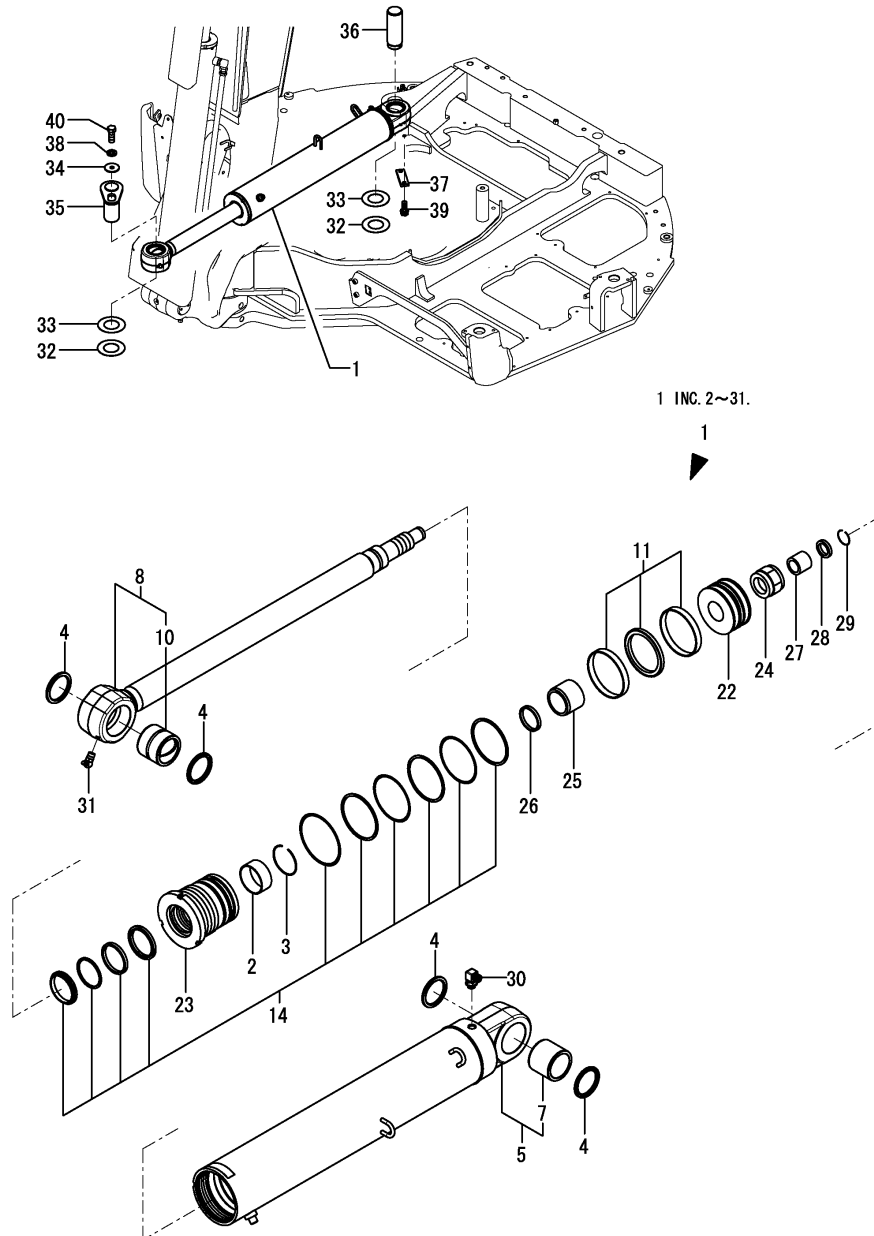
(A)=VIO80-1A C(US)
(B)=
(C)=

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

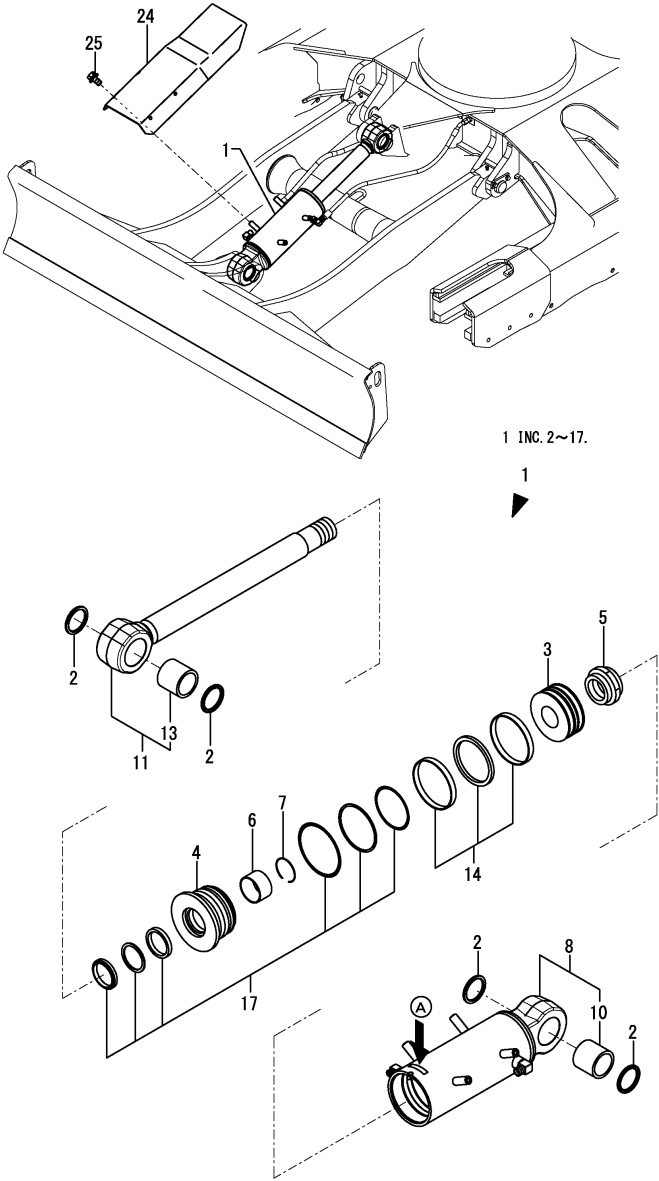


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72501	CYLINDER ASSY,BUCKET	1							W
(A=*2016.03)											
2	2	172B11-97100	REPAIR KIT, ROD	1							
4	3	172B11-97120	BUSH, PIN 60X75X58	1							
5	2	172B11-97130	REPAIR KIT, TUBE	1							
7	3	172B11-97150	BUSH, PIN 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							
29	2	172B11-97400	SEAL, DUST PIN 60X75	2							
30	2	172B11-97410	SEAL, DUST PIN 50X60	2							
31	2	172B11-97420	ELBOW, G1/2	1							
32	2	24190-080001	BALL, STEEL 1/4	1							
33	2	24761-020000	NIPPLE, GREASE PT1/8	1							
34	2	24761-050000	NIPPLE, GREASE C	1							
35	2	26076-080202	BOLT, 8 X 20	1							
36	2	26979-100122	SCREW, M10X12	1							

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-72700	CYLINDER ASSY, SWING	1							
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	4							
33	1	172175-81710	SHIM	4							
34	1	172187-81970	WASHER	1							
35	1	172187-82370	PIN ASSY	1							
36	1	172A69-82370	PIN	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							



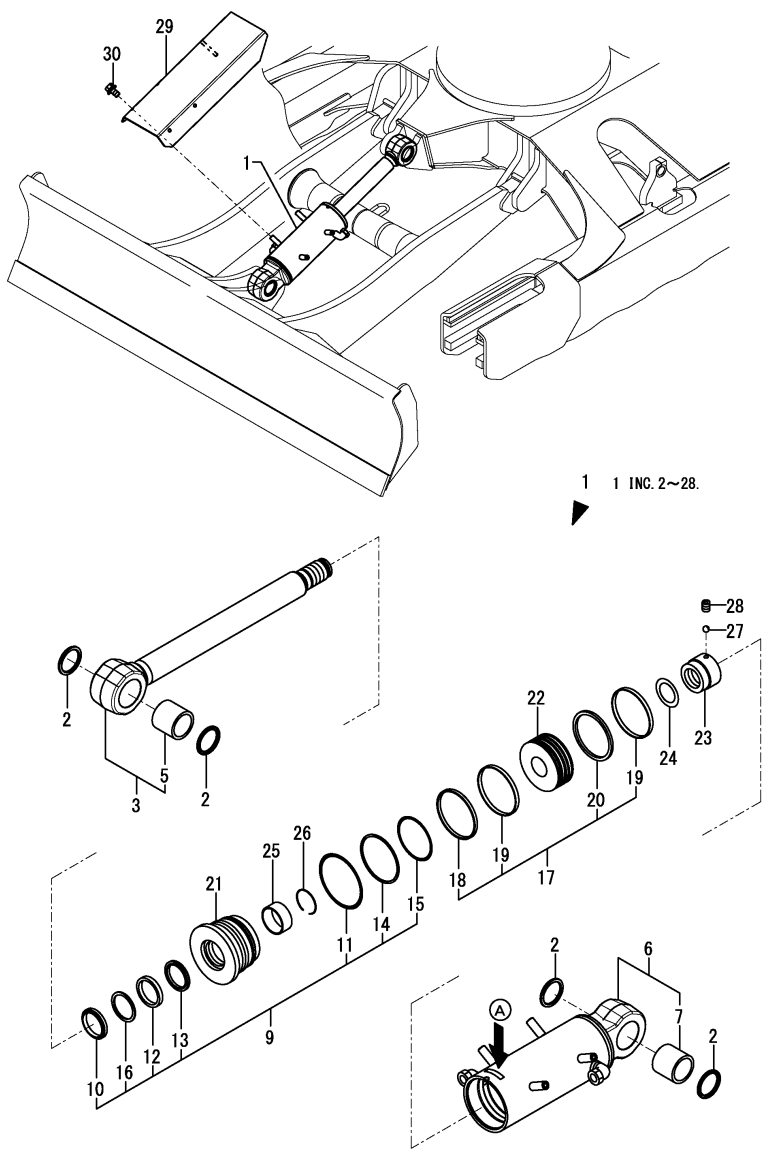
(A)=VIO80-1A C(US)
(B)=
(C)=

(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,BLADE CY	1							
25	1	26014-100202	BOLT, M10X 20	4							

Remarks
* A : There is parts No. & serial No.(K450XXX)
Interchangeable by Fig.177(93A).
The inner parts are not compatible.

Fig.177. (93A)BLADE CYLINDER(J SPEC.)

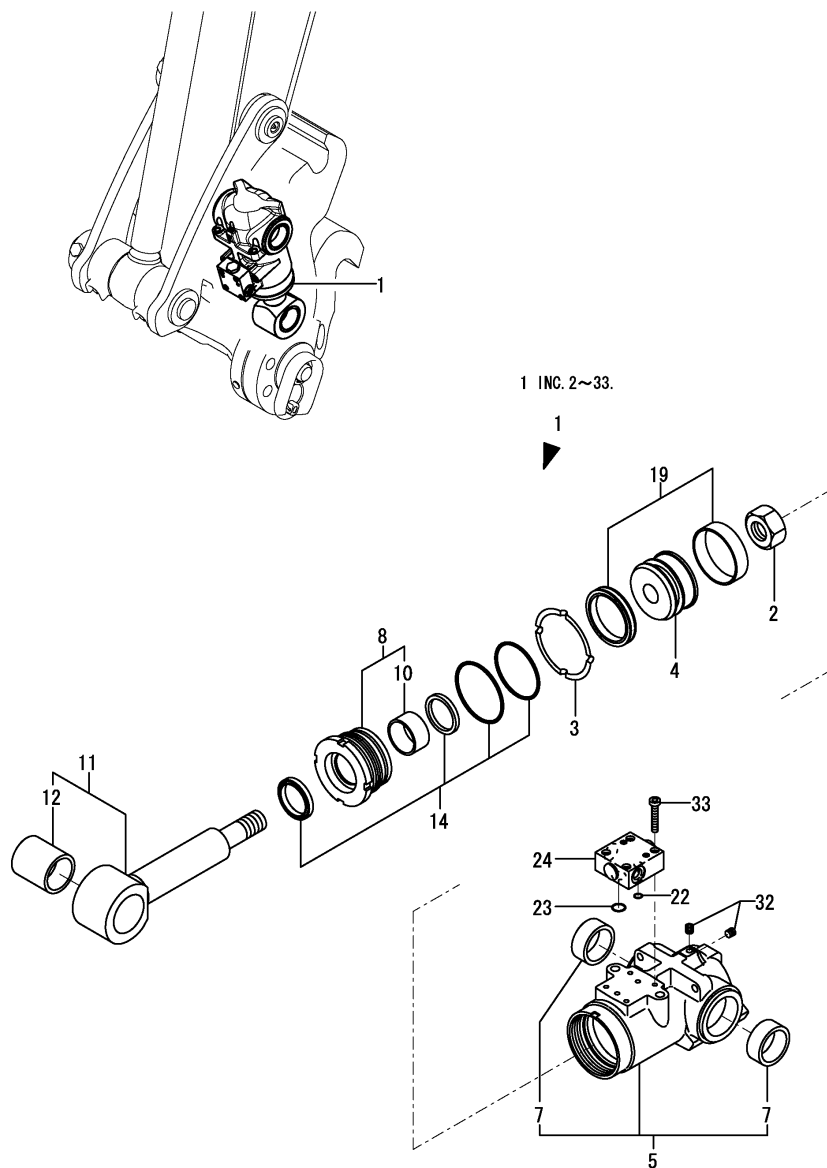


(A)=VIO80-1A C(US)
(D)=
(B)=
(E)=
(C)=
(F)=

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)											
2	2	172B11-97400	SEAL, DUST PIN 60X75	4							
3	2	172B11-97500	REPAIR KIT, ROD	1							
5	3	172B11-97520	BUSH, PIN 60X75X68	1							
6	2	172B11-97530	REPAIR KIT, TUBE	1							
7	3	172B11-97520	BUSH, PIN 60X75X68	1							
9	2	172B11-97560	SEAL KIT, HEAD130 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, CYLINDER130 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	172A69-72900	COVER ASSY, BLADE	1							
30	1	26014-100202	BOLT, M10X 20	4							

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

Fig.94. HITCH CYLINDER

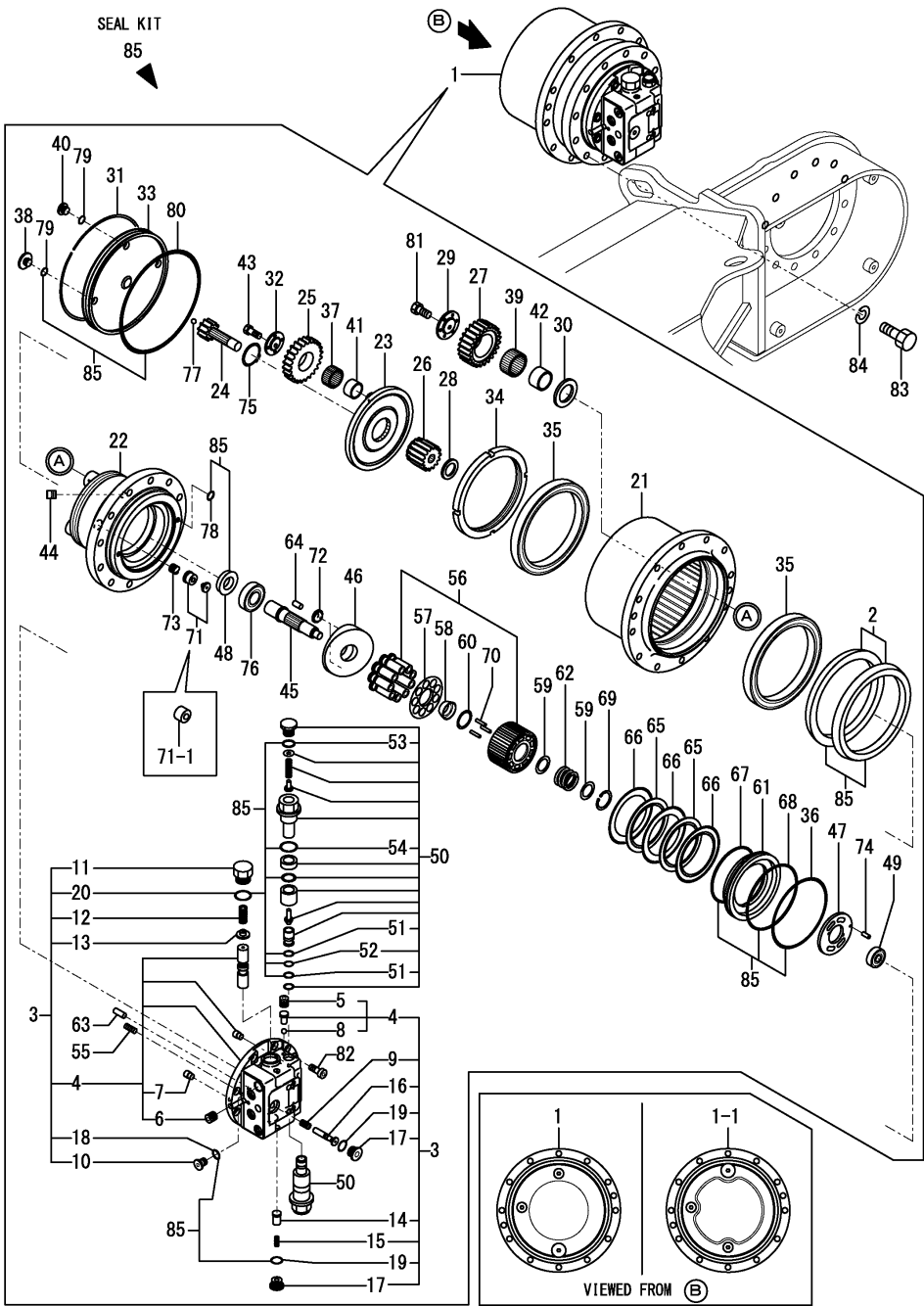


				(A)=VIO80-1A C(US)					(D)=			I	R
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	Q'ty									
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	172978-72800-N	CYLINDER, HITCH	1									
2	2	172141-72250	NUT	1									
3	2	172142-72260	WASHER, LOCK	1									
4	2	172175-72480	PISTON 80	1									
5	2	172978-72810-N	TUBE, HITCH	1									
7	3	172978-72890	BUSH 45-55-22	2									
8	2	172978-72860	HEAD 80 45	1									
10	3	24550-045250	BUSH, 45X25	1									
11	2	172978-72880	ROD ASSY,HITCH	1									
12	3	172151-71630	BUSH 45 60	1									
14	2	172978-72920	SEAL SET, HEAD 80X45	1									
19	2	172142-72951	SEAL SET, PISTON	1									
22	2	172958-72950	O-RING	1									
23	2	172958-72960	O-RING	1									
24	2	172958-72983-N	VALVE ASSY,OPERATE	1									
32	2	23871-005000	PLUG, R005	2									
33	2	26450-060302	BOLT, M6X 30	4									

Fig.95. TRAVEL MOTOR

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

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

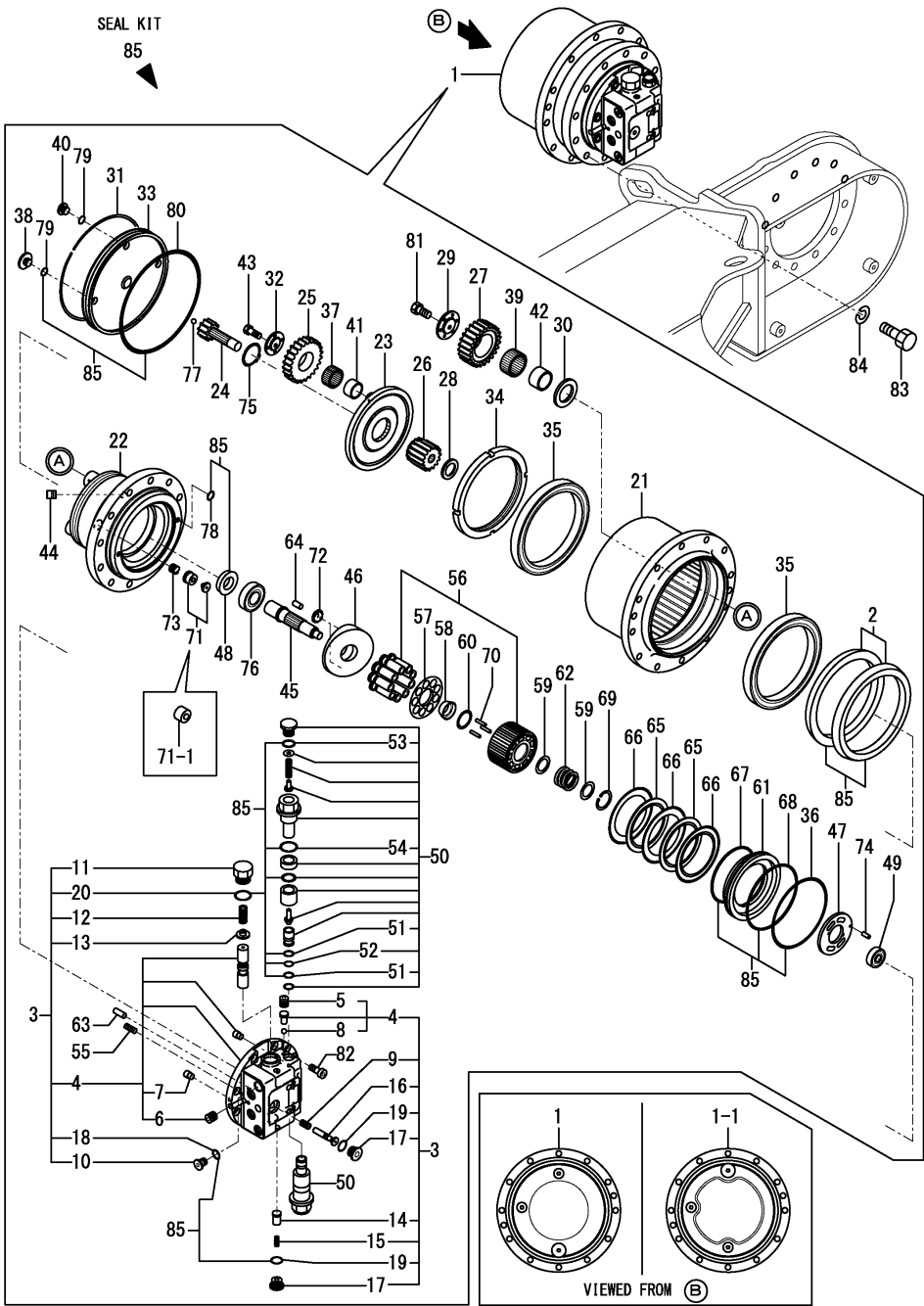


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-73300	MOTOR ASSY, DRIVE	2							
1-1	1	172A89-73301	MOTOR ASSY, DRIVE	2						N	
(A=M1B289)											
2	2	172A65-73310	SEAL SET, FLOATING	2							
3	2	172A89-73310	FLANGE, REAR	2							
4	3	172A89-73320	FLANGE, REAR	2							
5	4	172479-73750	PLUG	6							
6	4	172479-73760	PLUG	8							
7	4	172A69-73850	ORIFICE	2							
8	4	24190-060001	BALL, STEEL 3/16	2							
9	3	172A89-73340	SPRING	2							
10	3	172479-73480	PLUG	2							
11	3	172A65-73620	PLUG	4							
12	3	172A65-73630	SPRING	4							
13	3	172479-73800	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=M1B289)											
23	2	172A65-73340	CARRIER	2							
24	2	172A65-73350	GEAR, SUN	2							
25	2	172A65-73360	GEAR, PLANETARY	6							
26	2	172A65-73370	GEAR, SUN	2							
27	2	172A65-73380	GEAR, PLANETARY	8							
28	2	172A65-73390	COLLAR, THRUST	2							
29	2	172A65-73400	WASHER, THRUST	8							
30	2	172A65-73410	WASHER, THRUST	8							
31	2	172479-73420	RING	2							
32	2	172A65-73420	WASHER 3, THRUST	6							
33	2	172A65-73430	COVER	2							
33-1	1	172A89-73430	COVER	2						N	
(A=M1B289)											
34	2	172A65-73440	NUT, RING	2							
35	2	172A65-73450	BEARING, BALL	4							
36	2	172499-73460	O-RING	2							
37	2	172A65-73460	ROLLER	6							
38	2	172479-73470	PLUG	2							
39	2	172A65-73470	ROLLER	8							
40	2	172479-73480	PLUG	4							
41	2	172A65-73480	RING, INNER	6							
42	2	172A65-73490	RING, INNER	8							
43	2	172A65-73500	BOLT M8X20 10.9T	6							
44	2	172A65-73510	SCREW	4							
45	2	172A65-73520	SHAFT	2							

Fig.95. TRAVEL MOTOR

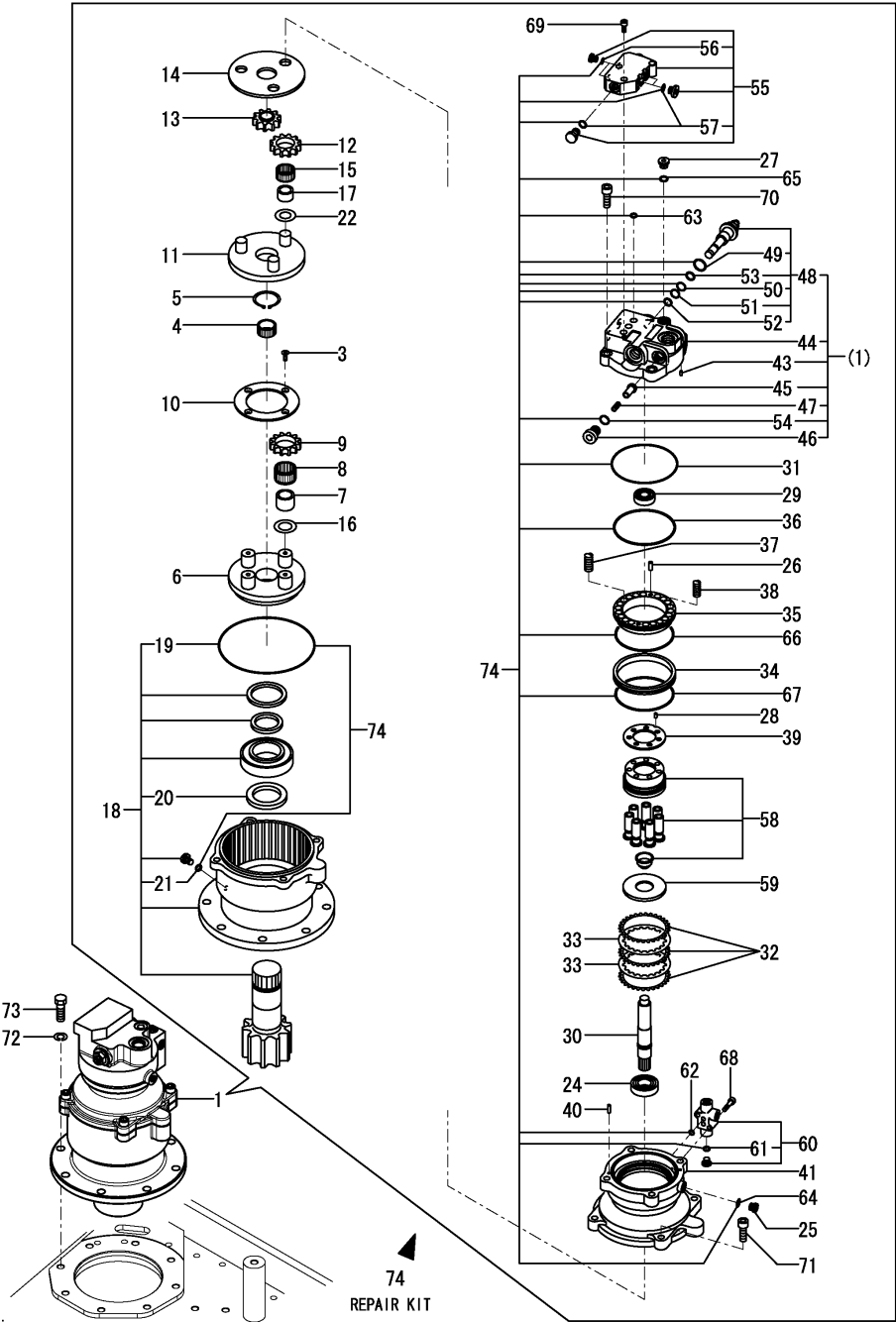
(A)=VIO80-1A C(US)
(B)=
(C)=

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



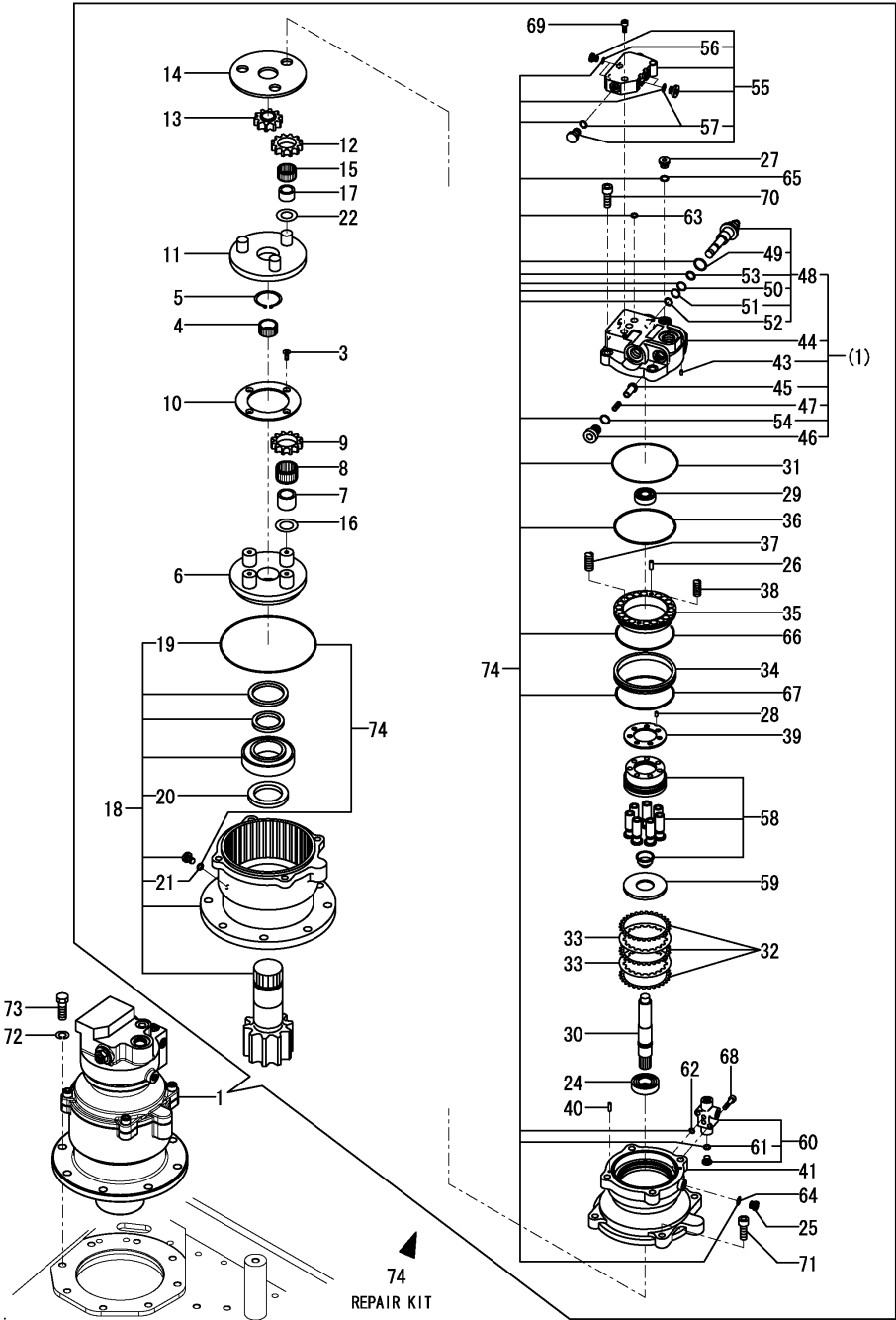
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
46	2	172A65-73530	PLATE, SWASH	2							
46-1	1	172A89-73530	PLATE, SWASH	2							S
(A=M1B289)											
47	2	172A65-73540	PLATE,TIMMING	2							
48	2	172A65-73550	SEAL, OIL	2							
49	2	172A65-73560	BEARING	2							
50	2	172A65-73570	VALVE ASSY,RELIEF	4							
51	3	172A65-73580	RING,BACK-UP	8							
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=M1B289)											
58	2	172499-73640	BALL, THRUST	2							
58-1	1	172A89-73550	BALL, THRUST	2							N
(A=M1B289)											
59	2	172499-73660	WASHER	4							
60	2	172499-73670	WASHER	2							
61	2	172499-73680	PISTON	2							
62	2	172499-73700	SPRING	2							
63	2	172479-73710	PIN, PARALLEL	4							
64	2	172479-73710	PIN, PARALLEL	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	ROLLER	6							
71	2	172499-73820	PISTON ASSY	2							
71-1	1	172A89-73560	PISTON	2							S
(A=M1B289)											
72	2	172499-73830	PIVOT	4							
72-1	1	172A89-73570	PIVOT	4							S
(A=M1B289)											
73	2	172499-73870	SPRING	2							
74	2	172479-73950	PIN, PARALLEL	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	24							
84	1	22217-160000	WASHER, SPRING 16	24							
85	1	172A65-73700	SEAL SET	2							

Fig.96. 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	RACE, INNER	4							
8	3	172499-70740	BEARING, NEEDLE	4							
9	3	172499-70750	GEAR, PLANETARY	4							
10	3	172499-70760	PLATE, THRUST	1							
11	3	172499-70770	HOLDER	1							
12	3	172499-70780	GEAR, PLANETARY	3							
13	3	172499-70790	GEAR, DRIVE	1							
14	3	172499-71040	PLATE KIT, THRUST	1							
15	3	172450-73360	BEARING, NEEDLE	3							
16	3	172423-73370	WASHER, THRUST	4							
17	3	172450-73370	RACE, 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	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	2							
50	5	172499-70960	RING, BUCK 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							

Fig.96. TURNING MOTOR

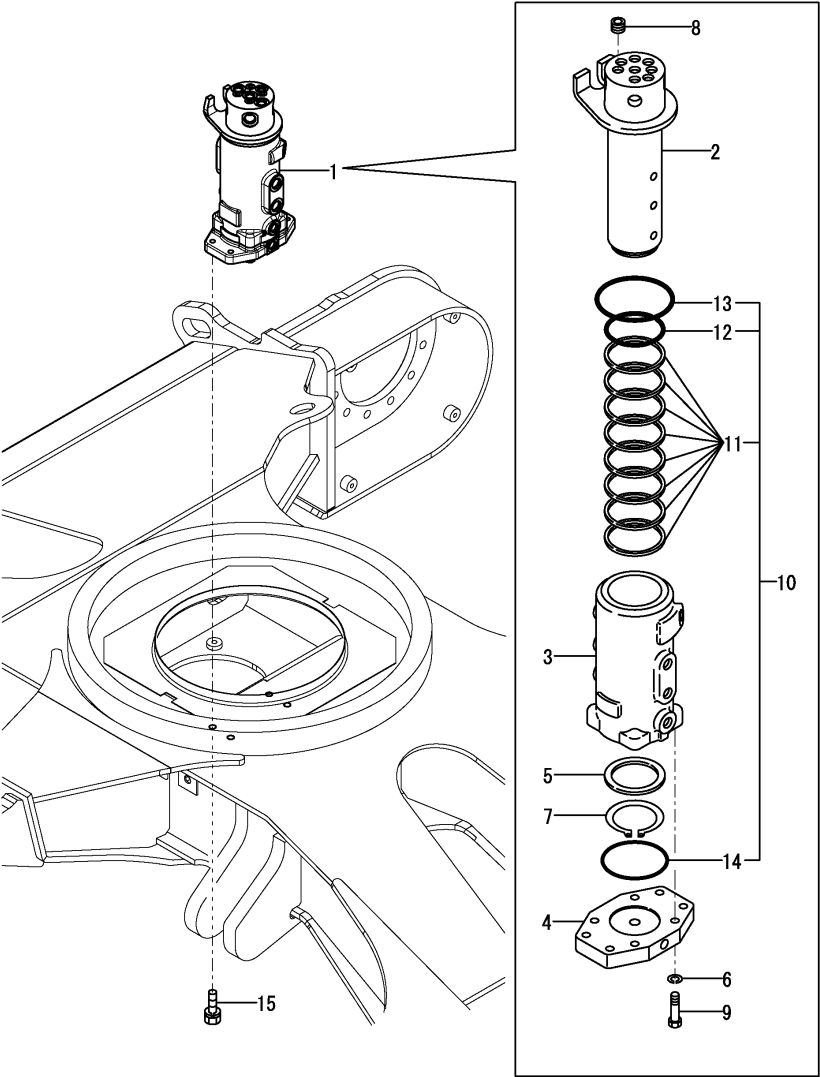


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
55	3	172A69-73350	VALVE ASSY	1							
56	4	24315-000110	O-RING, 1BP11.0	2							
57	4	24315-000140	O-RING, 1BP14.0	4							
58	3	172A69-73360	CYLINDER BLOCK ASSY	1							
59	3	172A69-73380	PLATE, THRUST	1							
60	3	172A69-73390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

Fig.97. SWIVEL JOINT

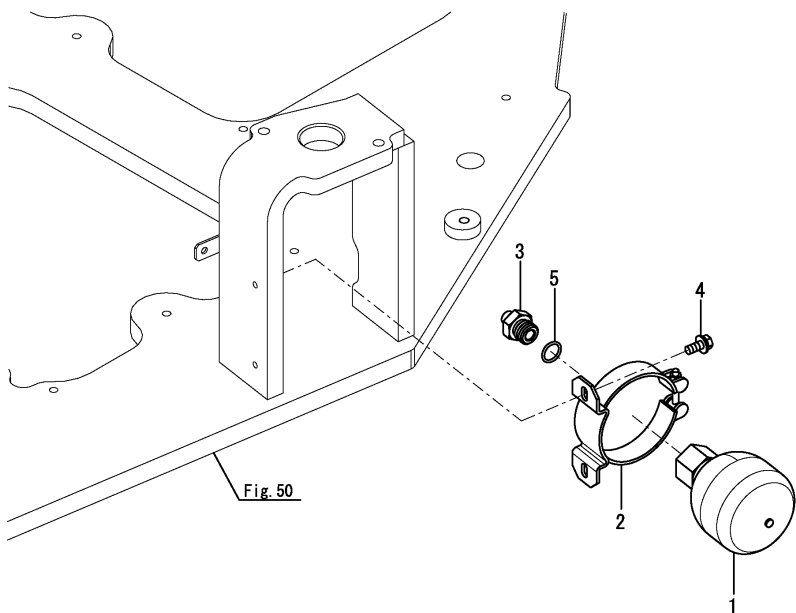
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(B)=
(C)=

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



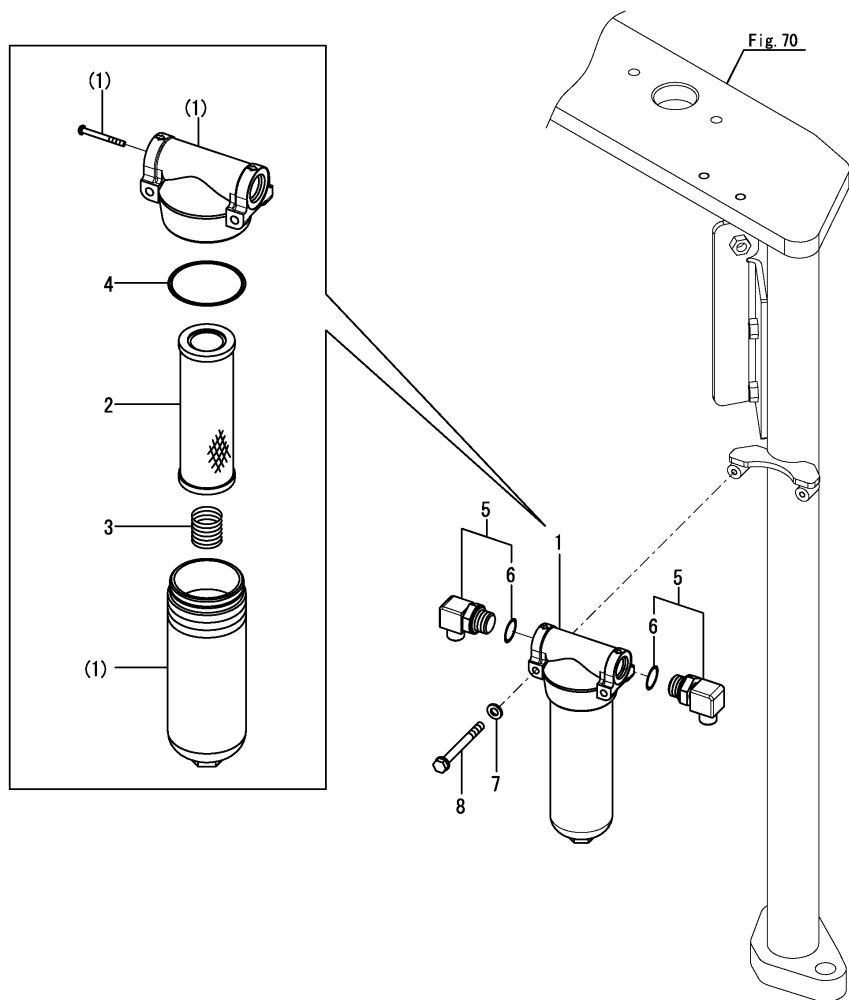
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A65-73800	JOINT ASSY, SWIVEL	1							
2	2	172A65-73810	SHAFT ASSY	1							
3	2	172A65-73840	ROTOR	1							
4	2	172A65-73850	FLANGE	1							
5	2	172A65-73860	SPACER	1							
6	2	22217-100000	WASHER, SPRING 10	4							
7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



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

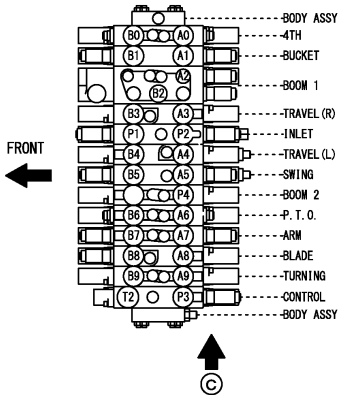
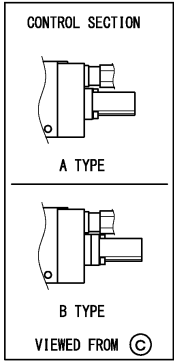
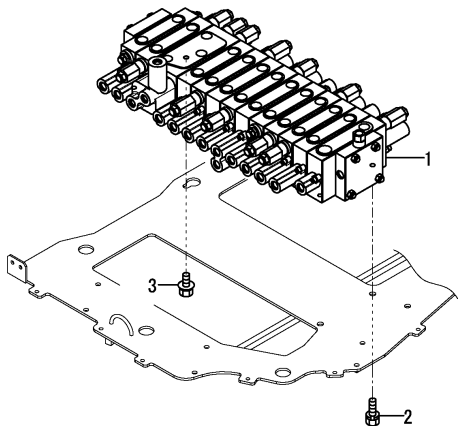
Fig.99. LINE FILTER



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	2							
6	2	24315-000180	O-RING, 1BP18.0	2							
7	1	22137-060000	WASHER, 6	2							
8	1	26013-060602	BOLT, M6X 60	2							

Fig.100. CONTROL VALVE(A-TYPE)(1/9)(TO M1B319)

CONTROL VALVE ASSY
Fig. 100 Ref. No. 1
INC. Fig. 101~108.



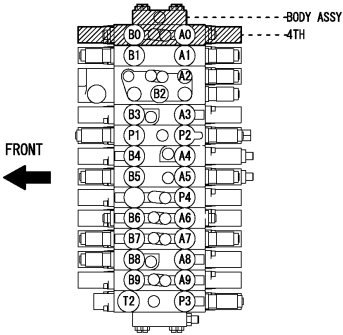
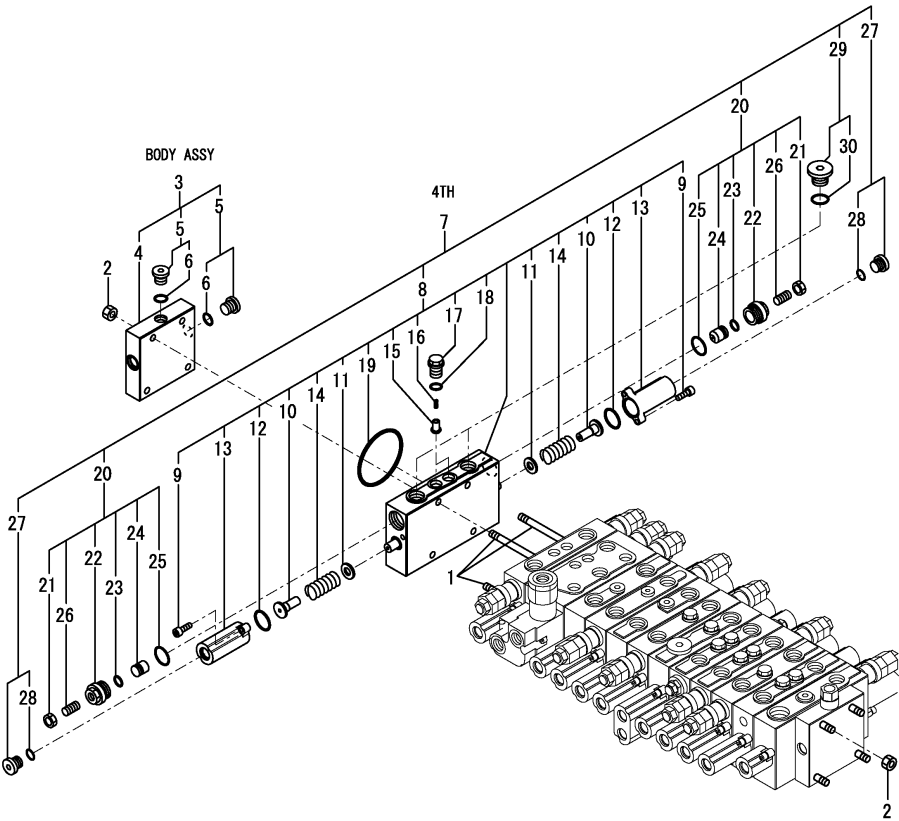
(A)=VIO80-1A C(US)
(B)=
(C)=

(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, SPRING M10X 16	2							
3	1	26106-100122	BOLT, M10X 12 PLATED	1							

Remarks
* B-type is shown in Fig.167(108A).
(1)Inner parts are shown in Fig.108 from Fig.101.

Fig.101. CONTROL VALVE(A-TYPE)(2/9)(TO M1B319)



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

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

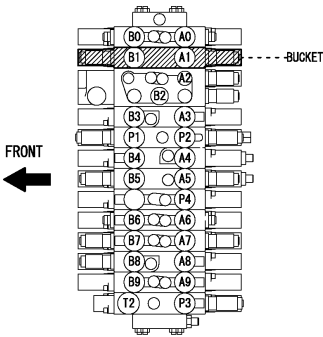
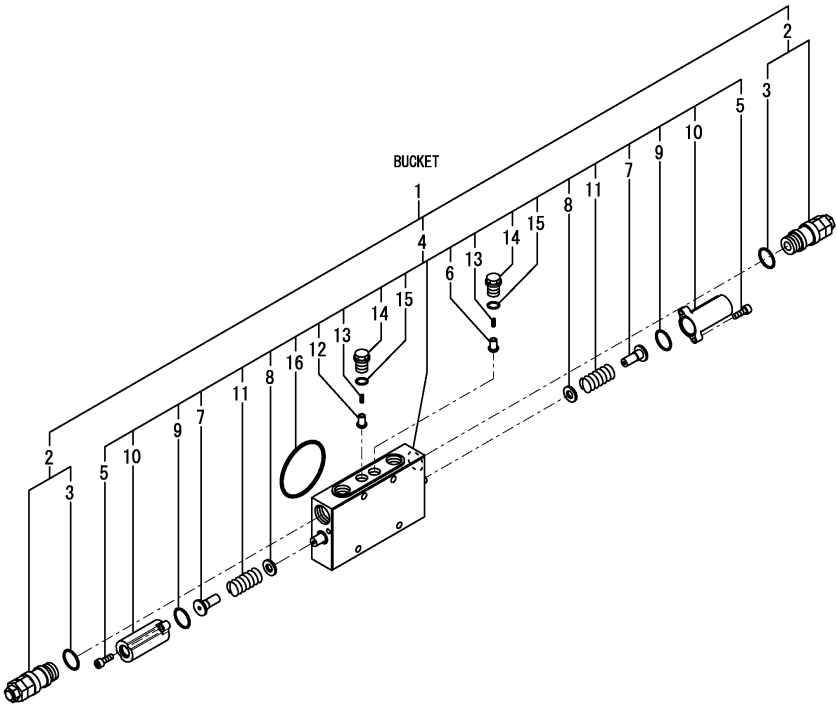
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71260	ROD, TIE	4							
2	2	172422-74110	NUT	8							
3	2	172A69-74110	BODY ASSY	1							
4	3	172478-74360	BODY	1							
5	3	172187-74530	PLUG ASSY	2							
6	4	24315-000110	O-RING, 1BP11.0	2							
7	2	172A69-74170	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	2							
14	4	172455-74410	SPRING	2							
15	4	172455-74420	POPPET	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	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.100.

Fig.102. CONTROL VALVE(A-TYPE)(3/9)(TO M1B319)

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

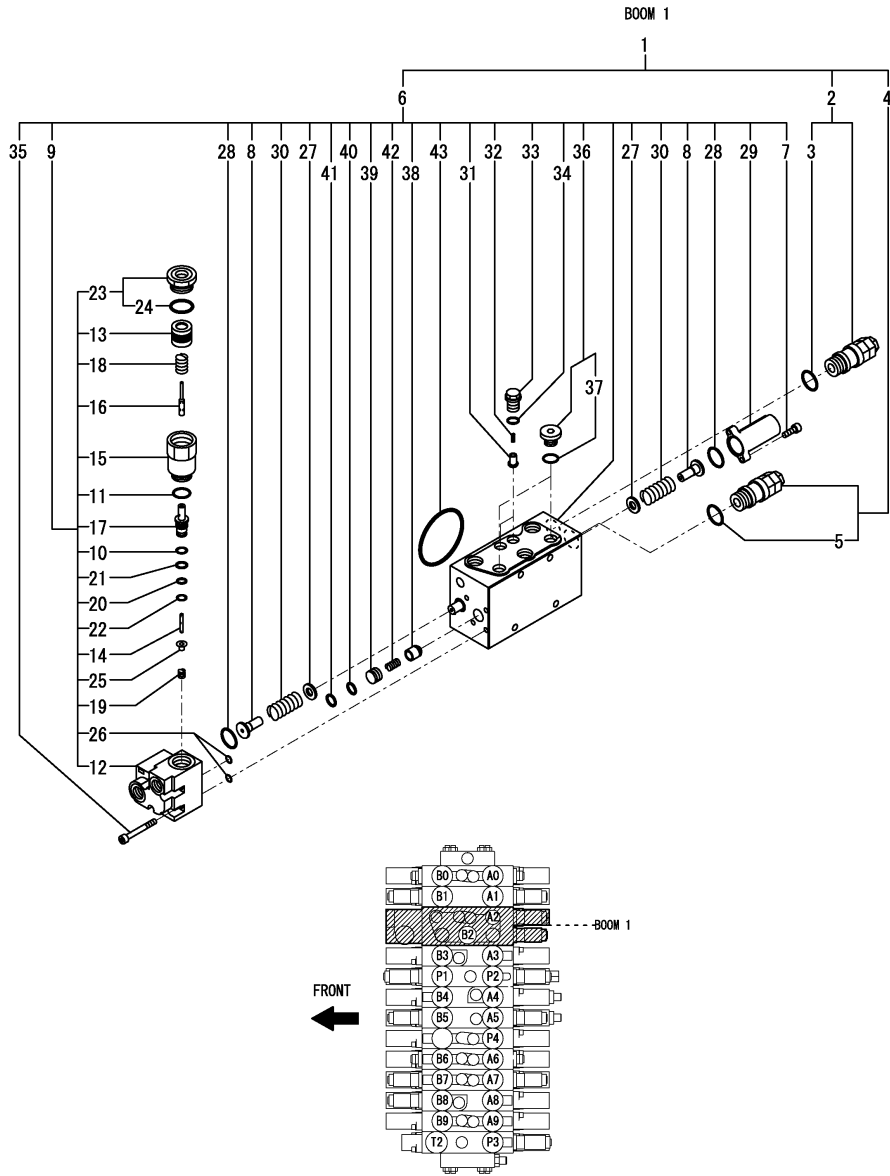
(D)=
(E)=
(F)=



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	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	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	2							
11	4	172455-74410	SPRING	2							
12	4	172455-74420	POPPET	1							
13	4	172455-74440	SPRING	2							
14	4	172455-74450	PLUG	2							
15	4	172455-74460	O-RING	2							
16	4	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.100.

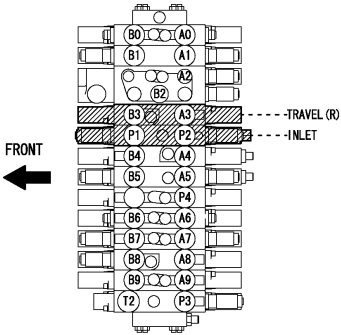
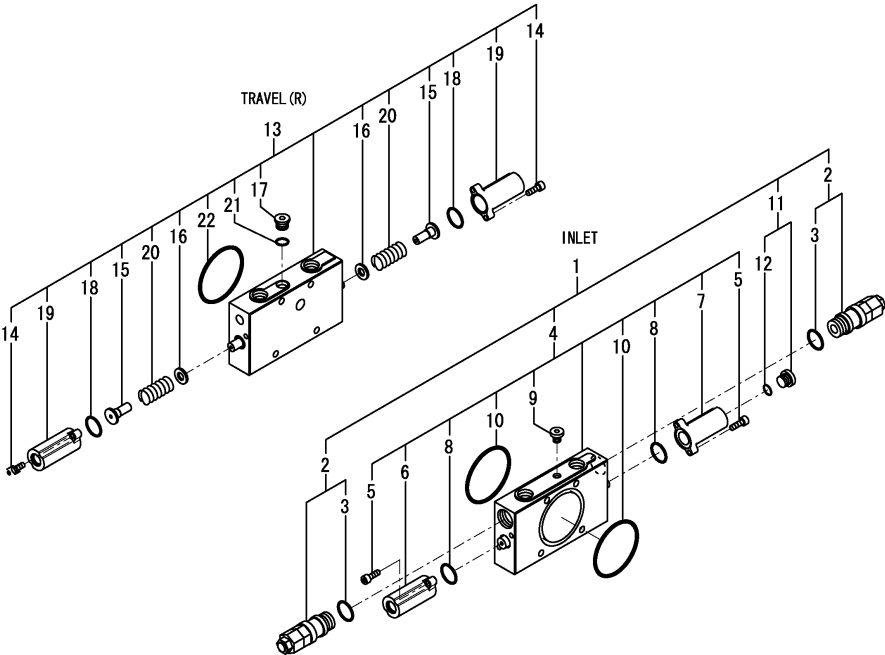
Fig.103. CONTROL VALVE(A-TYPE)(4/9)(TO M1B319)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74180	SECTION ASSY, BOOM1	1							
2	3	172A89-74150	VALVE, RELIEF	1							
3	4	172116-74150	O-RING	1							
4	3	172A89-74190	VALVE, RELIEF	1							
5	4	172116-74150	O-RING	1							
6	3	172B11-74200	SECTION, BOOM1	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, BUCK UP	1							
11	5	172116-74150	O-RING	1							
12	5	172488-74210	BODY	1							
13	5	172488-74220	PISTON	1							
14	5	172455-74590	POPPET	1							
15	5	172455-74600	PLUG	1							
16	5	172455-74620	SPOOL	1							
17	5	172455-74630	SLEEVE	1							
18	5	172455-74640	SPRING	1							
19	5	172455-74650	SPRING	1							
20	5	172455-74660	O-RING	1							
21	5	172455-74670	O-RING	1							
22	5	172455-74680	RING, BUCK 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	1							
30	4	172455-74410	SPRING	2							
31	4	172455-74420	POPPET	2							
32	4	172455-74440	SPRING	2							
33	4	172455-74450	PLUG	2							
34	4	172455-74460	O-RING	2							
35	4	172455-74530	BOLT, SOCKET HEAD	5							
36	4	172187-74540	PLUG ASSY	2							
37	5	24315-000140	O-RING, 1BP14.0	2							
38	4	172455-74550	POPPET	1							
39	4	172455-74560	SPACER	1							
40	4	172455-74570	O-RING	1							
41	4	172455-74580	RING, BUCK 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.100.

Fig.104. CONTROL VALVE(A-TYPE)(5/9)(TO M1B319)



Remarks
* Control valve assy is shown in Fig.100.

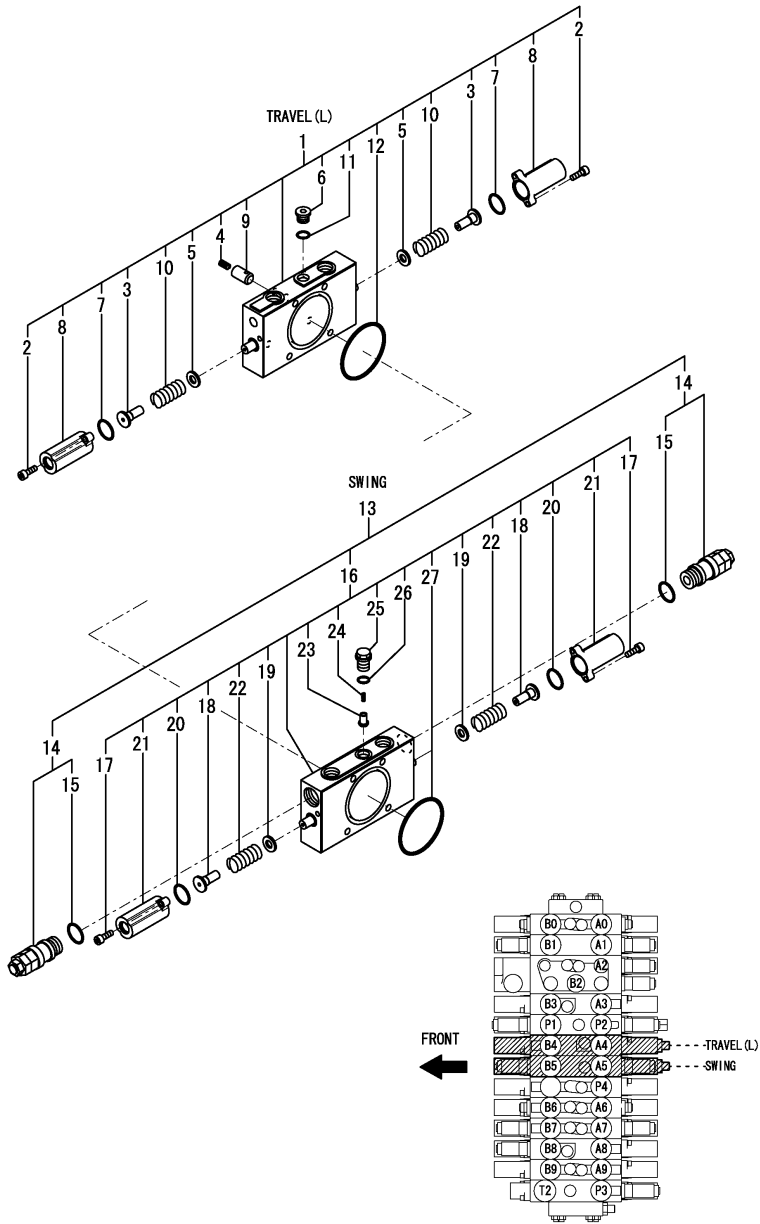
(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(F)=

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	1							
14	3	172151-74060	BOLT, SOCKET HEAD	4							
15	3	172478-74180	SEAT, SPRING	2							
16	3	172175-74220	SEAT, SPRING	2							
17	3	172A69-74250	PLUG	1							
18	3	172151-74320	O-RING	2							
19	3	172455-74390	CAP	2							
20	3	172455-74410	SPRING	2							
21	3	172455-74460	O-RING	1							
22	3	24321-000700	O-RING, 1AG70.0	1							

Fig.105. CONTROL VALVE(A-TYPE)(6/9)(TO M1B319)

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

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



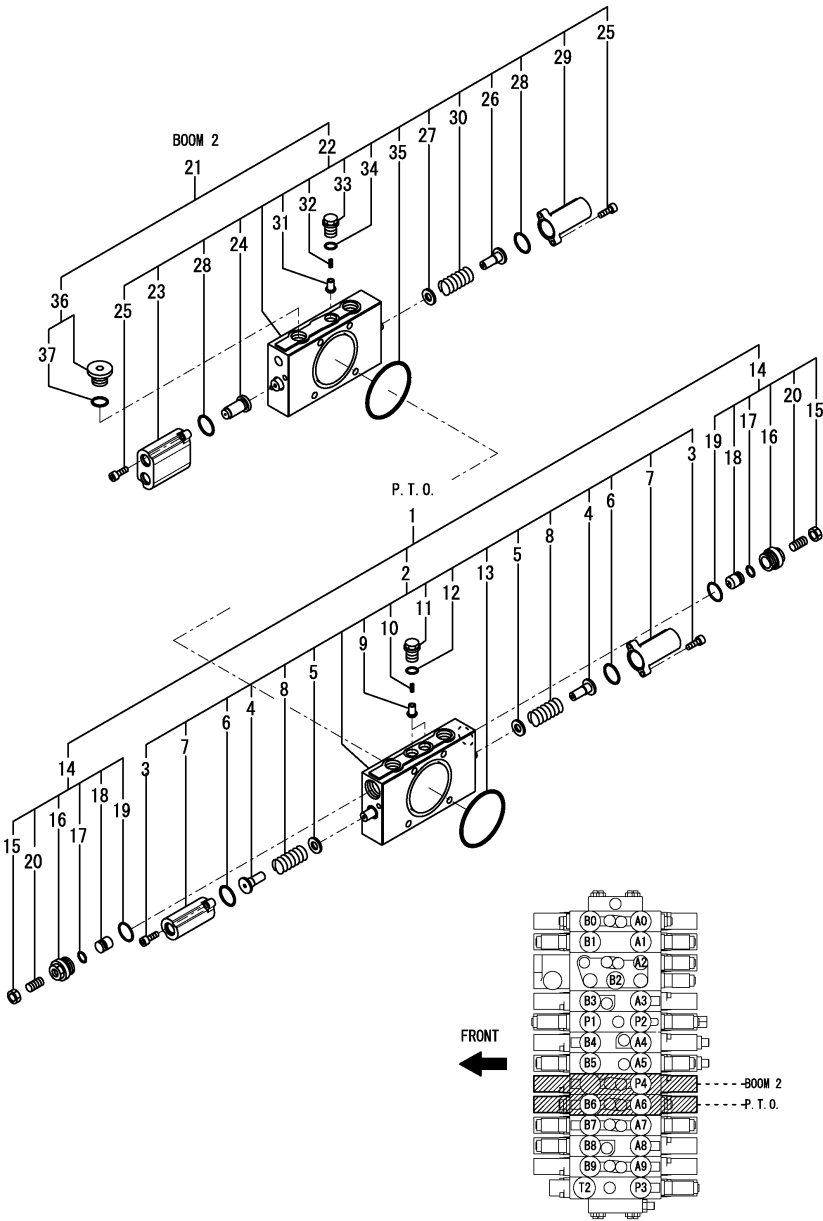
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74220	SECTION, TRAVEL	1							
2	3	172151-74060	BOLT, SOCKET HEAD	4							
3	3	172478-74180	SEAT, SPRING	2							
4	3	172113-74190	SPRING	1							
5	3	172175-74220	SEAT, SPRING	2							
6	3	172A69-74250	PLUG	1							
7	3	172151-74320	O-RING	2							
8	3	172455-74390	CAP	2							
9	3	172187-74410	POPPET	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	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	2							
22	4	172455-74410	SPRING	2							
23	4	172455-74420	POPPET	1							
24	4	172455-74440	SPRING	1							
25	4	172455-74450	PLUG	1							
26	4	172455-74460	O-RING	1							
27	4	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.100.

Fig.106. CONTROL VALVE(A-TYPE)(7/9)(TO M1B319)

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

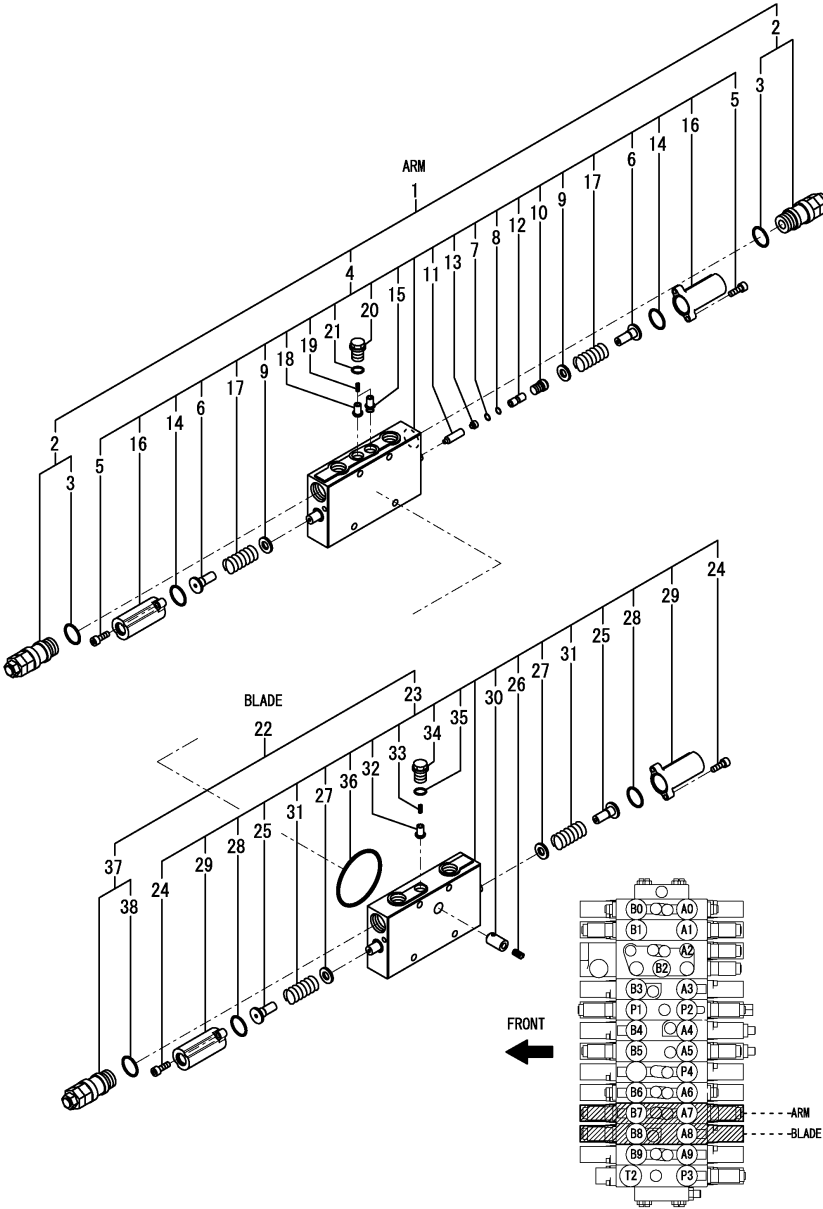
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71130	SECTION ASSY, PTO	1							
2	3	172A69-71140	SECTION, PTO	1							
3	4	172151-74060	BOLT, SOCKET HEAD	4							
4	4	172478-74180	SEAT, SPRING	2							
5	4	172175-74220	SEAT, SPRING	2							
6	4	172151-74320	O-RING	2							
7	4	172455-74390	CAP	2							
8	4	172455-74410	SPRING	2							
9	4	172455-74420	POPPET	2							
10	4	172455-74440	SPRING	2							
11	4	172455-74450	PLUG	2							
12	4	172455-74460	O-RING	2							
13	4	24321-000700	O-RING, 1AG70.0	1							
14	3	172455-74320	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	2							
19	4	172116-74150	O-RING	2							
20	4	172455-74990	SCREW, SETTING	2							
21	2	172A69-74291	SECTION ASSY, BOOM	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	1							
30	4	172455-74410	SPRING	1							
31	4	172455-74420	POPPET	1							
32	4	172455-74440	SPRING	1							
33	4	172455-74450	PLUG	1							
34	4	172455-74460	O-RING	1							
35	4	24321-000700	O-RING, 1AG70.0	1							
36	3	172187-74550	PLUG ASSY	1							
37	4	24315-000180	O-RING, 1BP18.0	1							

Remarks
* Control valve assy is shown in Fig.100.

Fig.107. CONTROL VALVE(A-TYPE)(8/9)(TO M1B319)



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

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

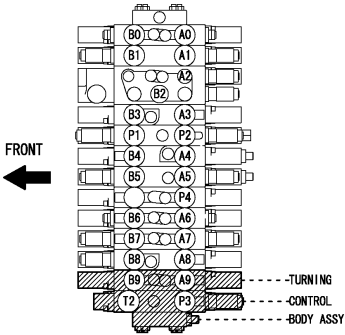
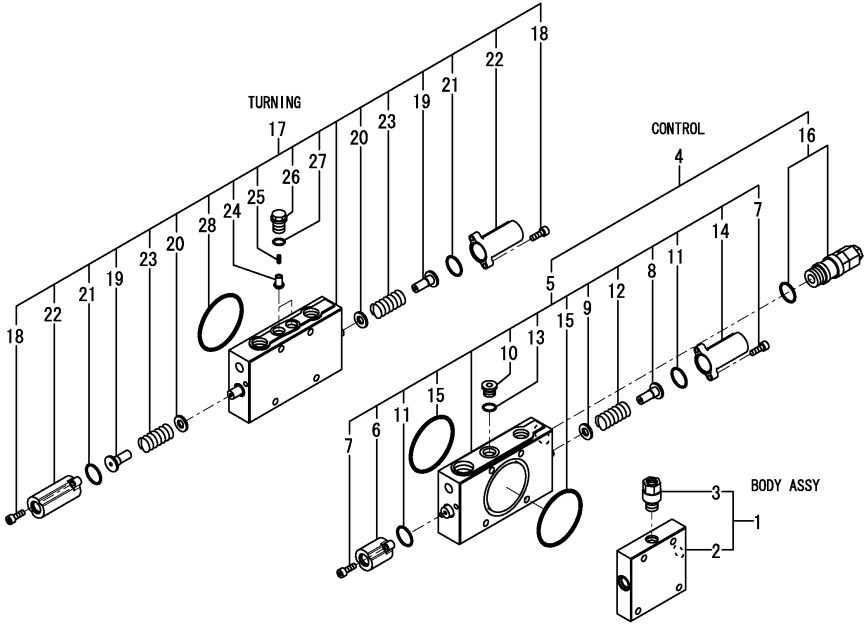
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74210	SECTION ASSY, ARM	1							
2	3	172A89-74150	VALVE, RELIEF	2							
3	4	172116-74150	O-RING	2							
4	3	172B11-74220	SECTION, ARM	1							
5	4	172151-74060	BOLT, SOCKET HEAD	4							
6	4	172478-74180	SEAT, SPRING	2							
7	4	172425-74200	O-RING	1							
8	4	172425-74210	RING	1							
9	4	172175-74220	SEAT, SPRING	2							
10	4	172B11-74230	PLUG	1							
11	4	172B11-74240	SPOOL, POPEET	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	2							
17	4	172455-74410	SPRING	2							
18	4	172455-74420	POPPET	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	2							
30	4	172187-74410	POPPET	1							
31	4	172455-74410	SPRING	2							
32	4	172455-74420	POPPET	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	1							
38	4	172116-74150	O-RING	1							

Remarks
* Control valve assy is shown in Fig.100.

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

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

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

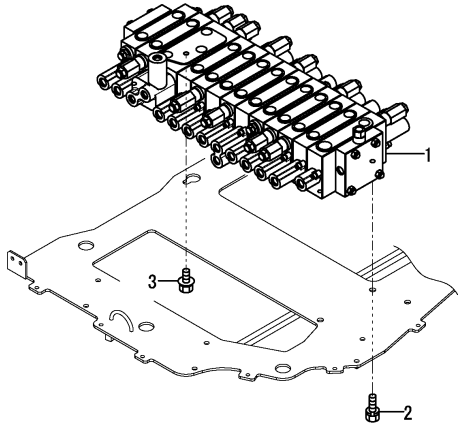


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71250	BODY ASSY	1							
2	3	172478-74360	BODY	1							
3	3	172478-74370	PLUG ASSY	1							
4	2	172B11-74140	SECTION ASSY,CONTROL	1							
5	3	172A69-71230	SECTION, CONTROL	1							
6	4	172A69-71240	CAP ASSY	1							
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	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	2							
23	3	172455-74410	SPRING	2							
24	3	172455-74420	POPPET	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							

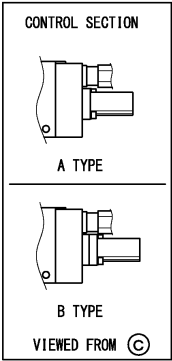
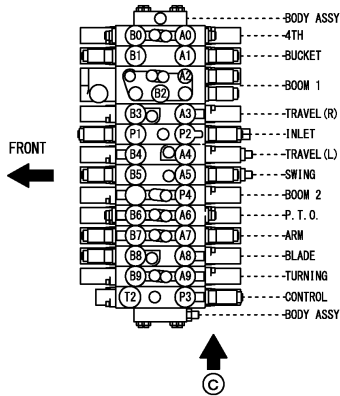
Remarks
* Control valve assy is shown in Fig.100.

Fig.167. (108A)CONTROL VALVE(B-TYPE)(1/9)(FROM M1B320)

CONTROL VALVE ASSY
Fig. 167 Ref. No. 1
INC. Fig. 168~175.



CONTROL VALVE



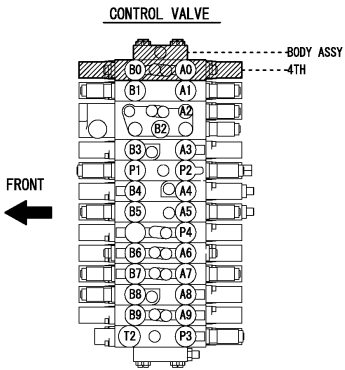
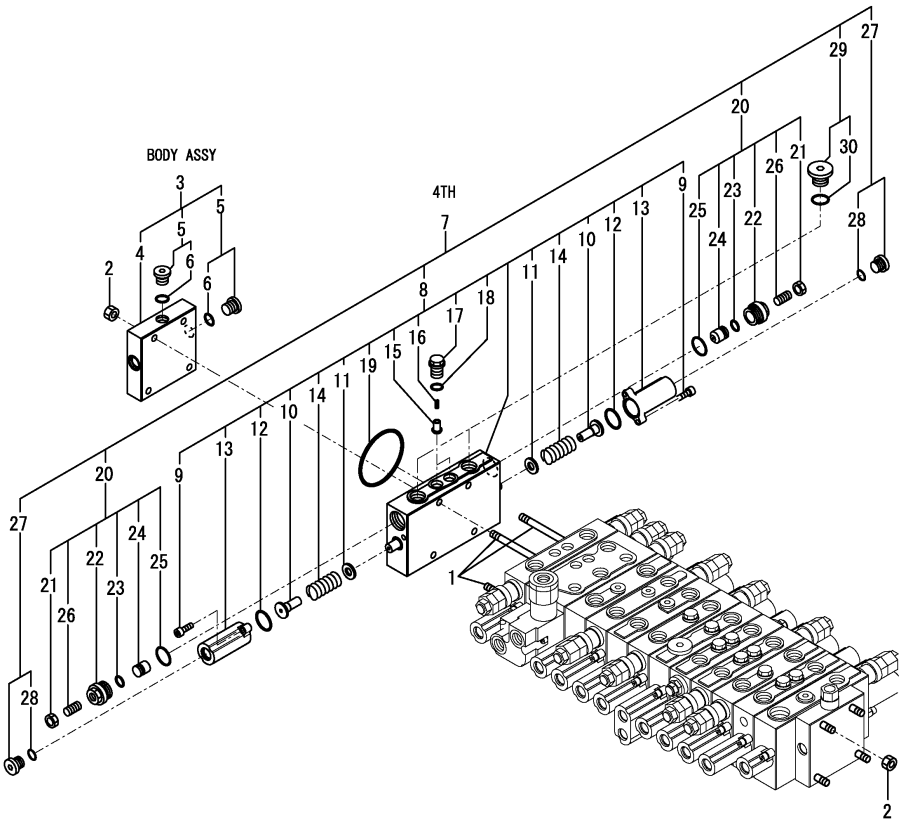
(A)=VIO80-1A C(US)
(B)=
(C)=

(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.100.
(1)Inner parts are shown in Fig.175(108I) from Fig.168(108B).

Fig.168. (108B)CONTROL VALVE(B-TYPE)(2/9)(FROM M1B320)



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

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

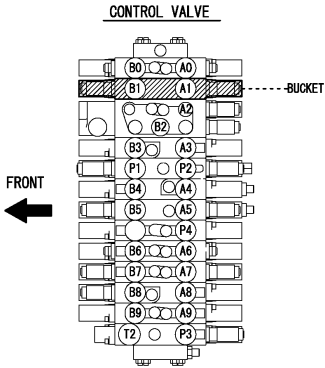
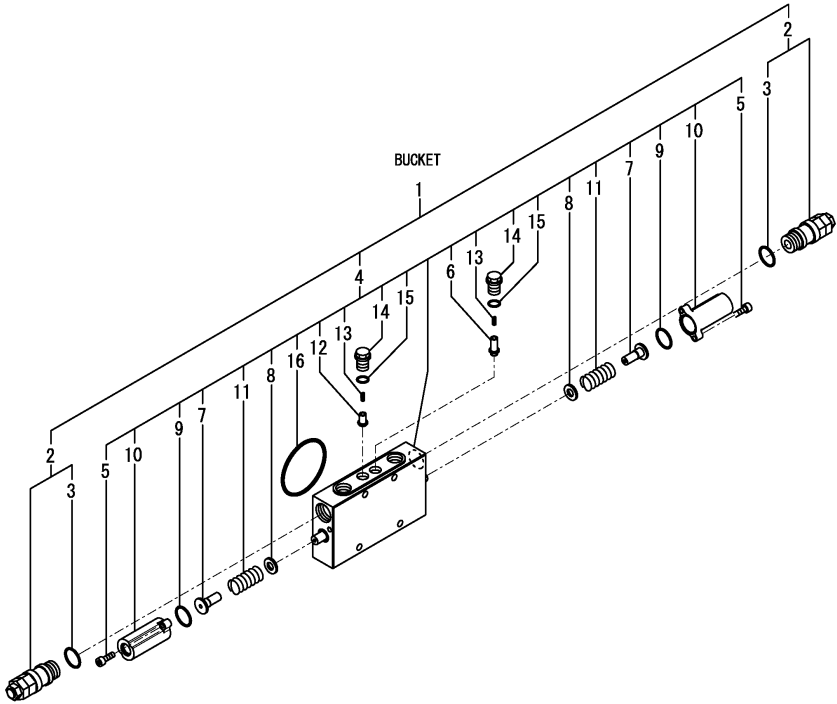
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71260	ROD, TIE	4							
2	2	172422-74110	NUT	8							
3	2	172A69-74110	BODY ASSY	1							
4	3	172478-74360	BODY	1							
5	3	172187-74530	PLUG ASSY	2							
6	4	24315-000110	O-RING, 1BP11.0	2							
7	2	172A69-74170	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	2							
14	4	172455-74410	SPRING	2							
15	4	172455-74420	POPPET	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	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.167(108A).

Fig.169. (108C)CONTROL VALVE(B-TYPE)(3/9)(FROM M1B320)

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

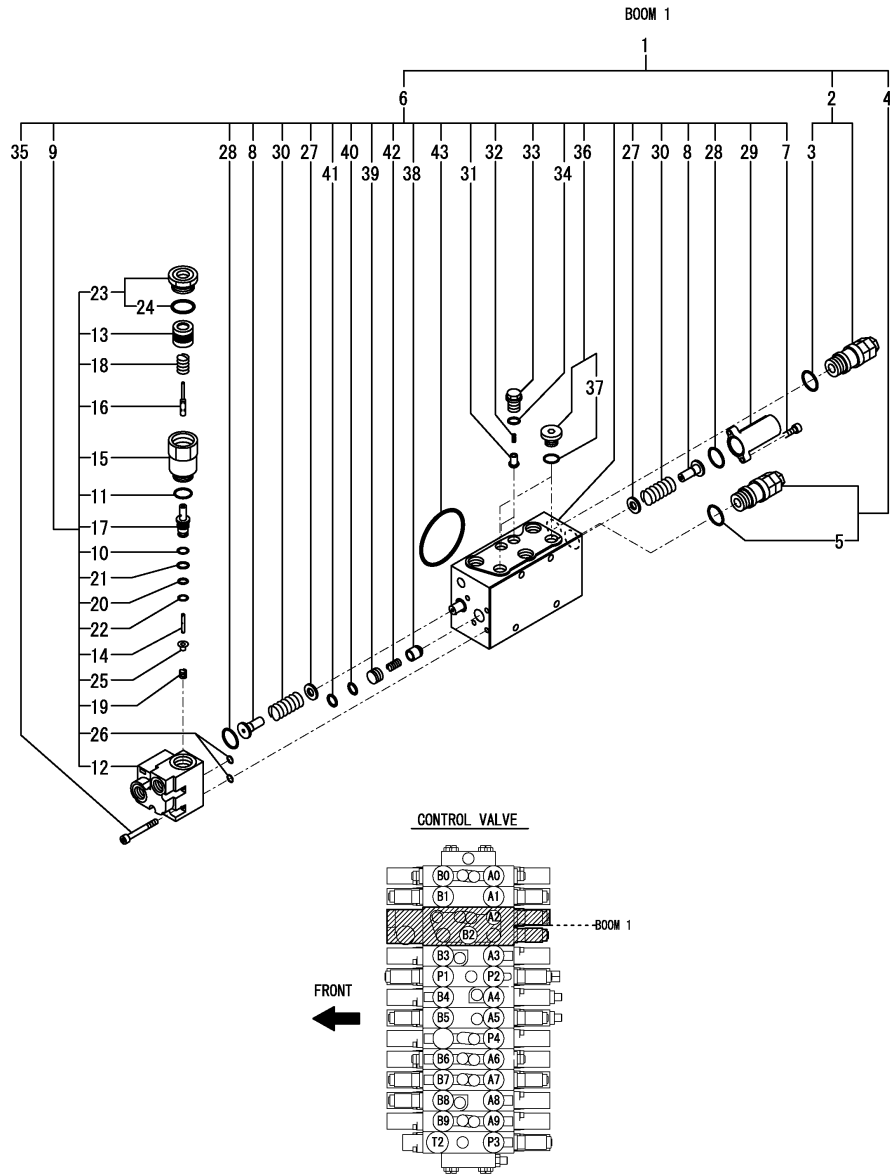
(D)=
(E)=
(F)=



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	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	2							
11	4	172455-74410	SPRING	2							
12	4	172455-74420	POPPET	1							
13	4	172455-74440	SPRING	2							
14	4	172455-74450	PLUG	2							
15	4	172455-74460	O-RING	2							
16	4	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.167(108A).

Fig.170. (108D)CONTROL VALVE(B-TYPE)(4/9)(FROM M1B320)



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

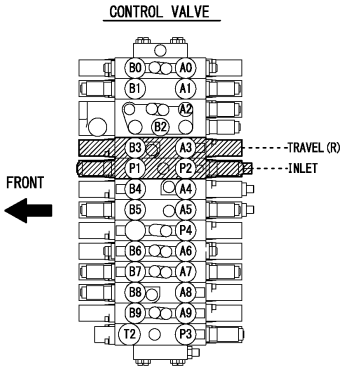
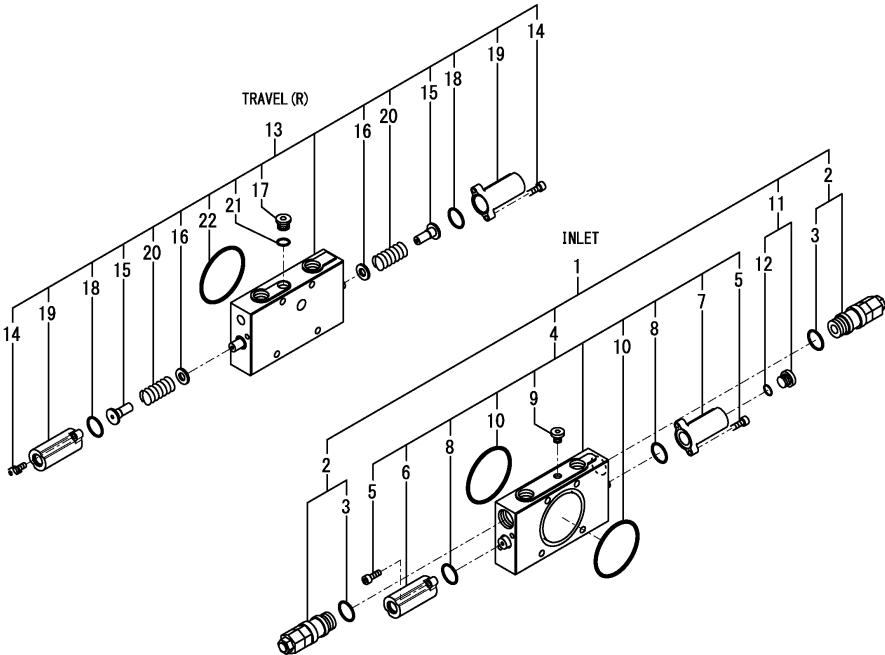
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74180	SECTION ASSY, BOOM1	1							
2	3	172A89-74150	VALVE, RELIEF	1							
3	4	172116-74150	O-RING	1							
4	3	172A89-74190	VALVE, RELIEF	1							
5	4	172116-74150	O-RING	1							
6	3	172B11-74200	SECTION, BOOM1	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, BUCK UP	1							
11	5	172116-74150	O-RING	1							
12	5	172488-74210	BODY	1							
13	5	172488-74220	PISTON	1							
14	5	172455-74590	POPPET	1							
15	5	172455-74600	PLUG	1							
16	5	172455-74620	SPOOL	1							
17	5	172455-74630	SLEEVE	1							
18	5	172455-74640	SPRING	1							
19	5	172455-74650	SPRING	1							
20	5	172455-74660	O-RING	1							
21	5	172455-74670	O-RING	1							
22	5	172455-74680	RING, BUCK 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	1							
30	4	172455-74410	SPRING	2							
31	4	172455-74420	POPPET	2							
32	4	172455-74440	SPRING	2							
33	4	172455-74450	PLUG	2							
34	4	172455-74460	O-RING	2							
35	4	172455-74530	BOLT, SOCKET HEAD	5							
36	4	172187-74540	PLUG ASSY	2							
37	5	24315-000140	O-RING, 1BP14.0	2							
38	4	172455-74550	POPPET	1							
39	4	172455-74560	SPACER	1							
40	4	172455-74570	O-RING	1							
41	4	172455-74580	RING, BUCK 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.167(108A).

Fig.171. (108E)CONTROL VALVE(B-TYPE)(5/9)(FROM M1B320)



Remarks
* Control valve assy is shown in Fig.167(108A).

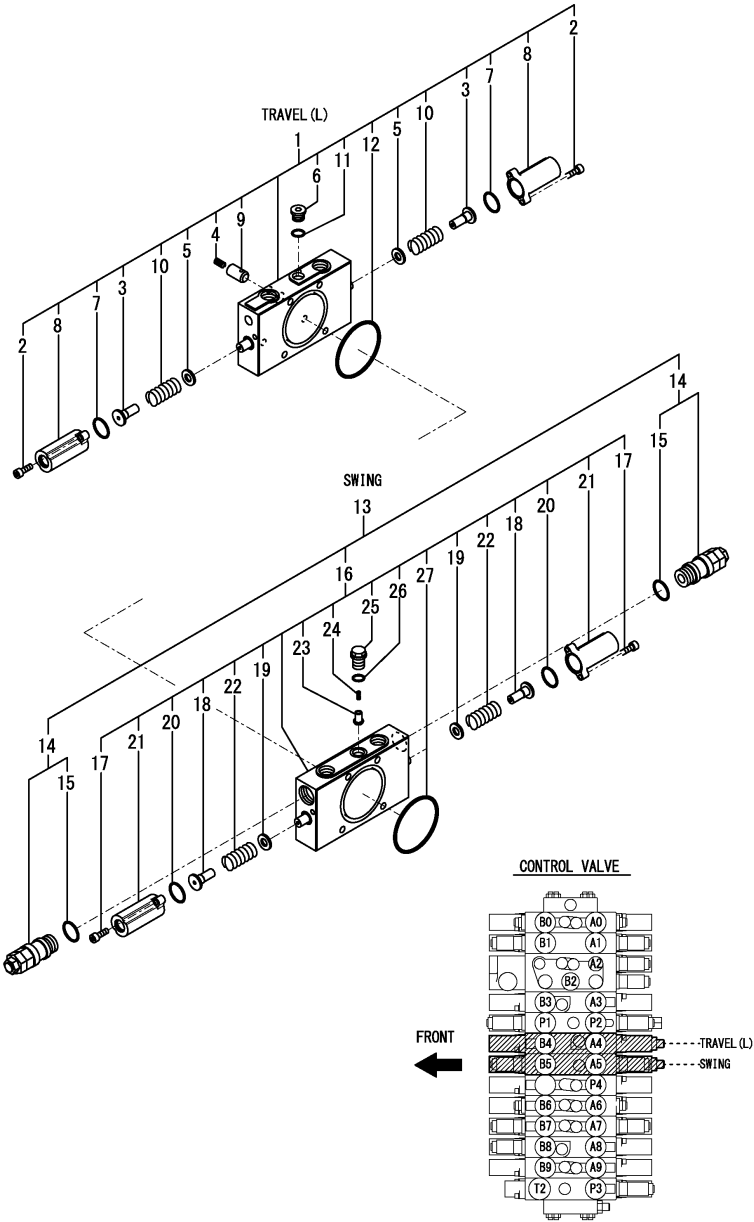
(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(F)=

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	1							
14	3	172151-74060	BOLT, SOCKET HEAD	4							
15	3	172478-74180	SEAT, SPRING	2							
16	3	172175-74220	SEAT, SPRING	2							
17	3	172A69-74250	PLUG	1							
18	3	172151-74320	O-RING	2							
19	3	172455-74390	CAP	2							
20	3	172455-74410	SPRING	2							
21	3	172455-74460	O-RING	1							
22	3	24321-000700	O-RING, 1AG70.0	1							

Fig.172. (108F)CONTROL VALVE(B-TYPE)(6/9)(FROM M1B320)

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

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



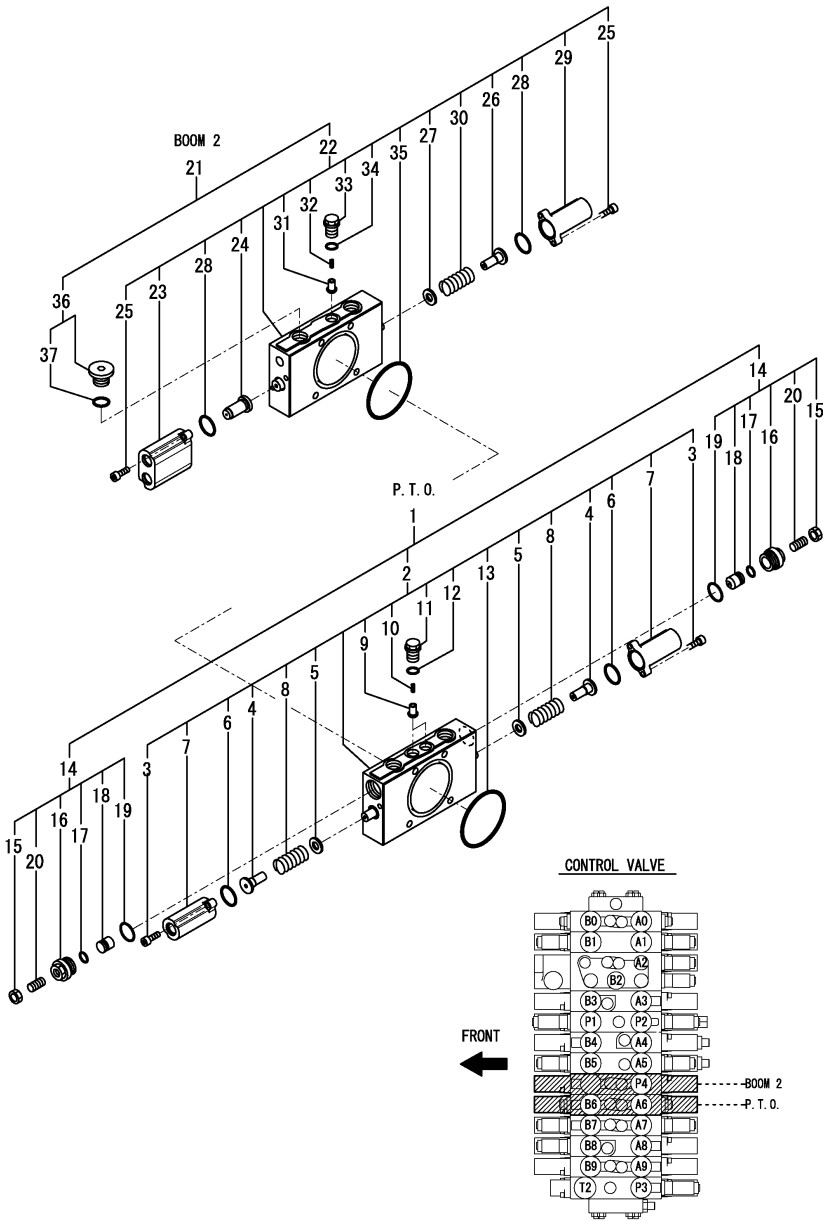
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A89-74220	SECTION, TRAVEL	1							
2	3	172151-74060	BOLT, SOCKET HEAD	4							
3	3	172478-74180	SEAT, SPRING	2							
4	3	172113-74190	SPRING	1							
5	3	172175-74220	SEAT, SPRING	2							
6	3	172A69-74250	PLUG	1							
7	3	172151-74320	O-RING	2							
8	3	172455-74390	CAP	2							
9	3	172187-74410	POPPET	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	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	2							
22	4	172455-74410	SPRING	2							
23	4	172455-74420	POPPET	1							
24	4	172455-74440	SPRING	1							
25	4	172455-74450	PLUG	1							
26	4	172455-74460	O-RING	1							
27	4	24321-000700	O-RING, 1AG70.0	1							

Remarks
* Control valve assy is shown in Fig.167(108A).

Fig.173. (108G)CONTROL VALVE(B-TYPE)(7/9)(FROM M1B320)

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

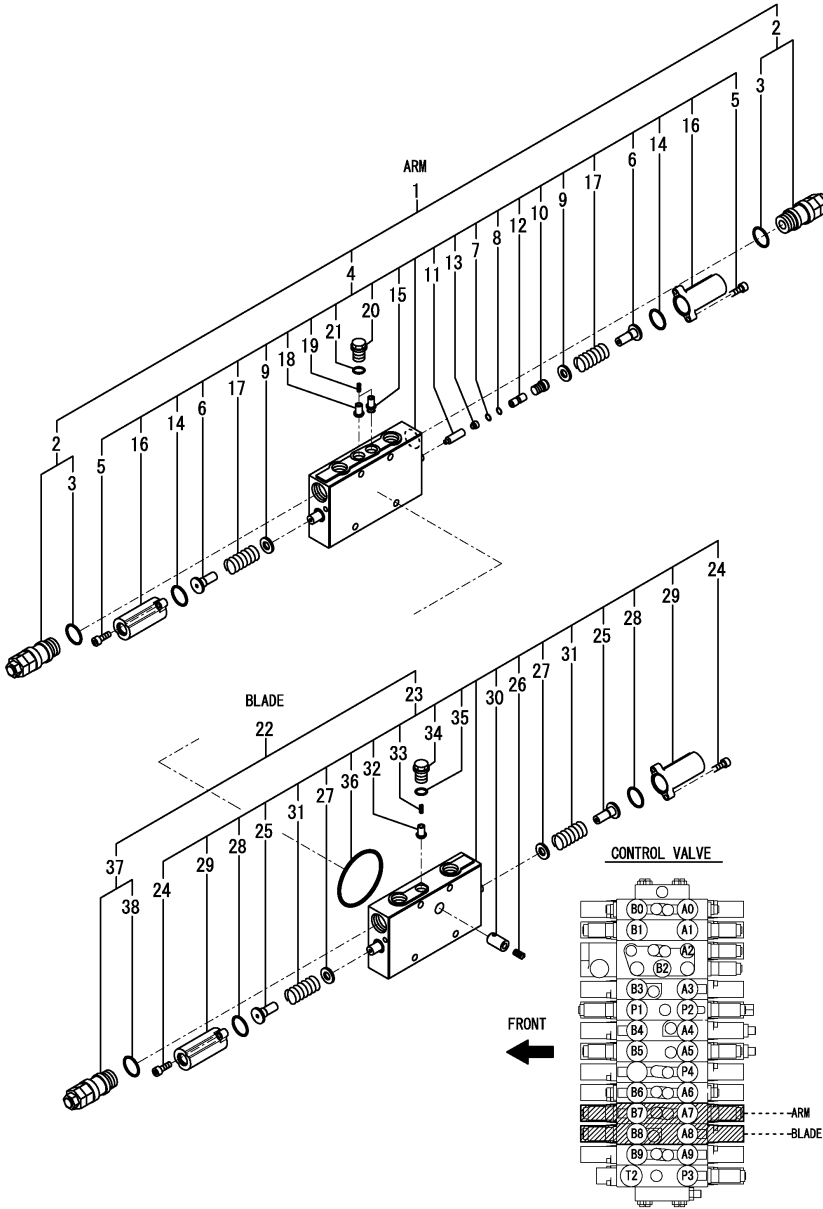
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A69-71130	SECTION ASSY, PTO	1							
2	3	172A69-71140	SECTION, PTO	1							
3	4	172151-74060	BOLT, SOCKET HEAD	4							
4	4	172478-74180	SEAT, SPRING	2							
5	4	172175-74220	SEAT, SPRING	2							
6	4	172151-74320	O-RING	2							
7	4	172455-74390	CAP	2							
8	4	172455-74410	SPRING	2							
9	4	172455-74420	POPPET	2							
10	4	172455-74440	SPRING	2							
11	4	172455-74450	PLUG	2							
12	4	172455-74460	O-RING	2							
13	4	24321-000700	O-RING, 1AG70.0	1							
14	3	172455-74320	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	2							
19	4	172116-74150	O-RING	2							
20	4	172455-74990	SCREW, SETTING	2							
21	2	172B11-74290	SECTION ASSY, BOOM2	1							
22	3	172B11-74300	SECTION, BOOM2	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	1							
30	4	172455-74410	SPRING	1							
31	4	172455-74420	POPPET	1							
32	4	172455-74440	SPRING	1							
33	4	172455-74450	PLUG	1							
34	4	172455-74460	O-RING	1							
35	4	24321-000700	O-RING, 1AG70.0	1							
36	3	172187-74550	PLUG ASSY	1							
37	4	24315-000180	O-RING, 1BP18.0	1							

Remarks
* Control valve assy is shown in Fig.167(108A).

Fig.174. (108H)CONTROL VALVE(B-TYPE)(8/9)(FROM M1B320)



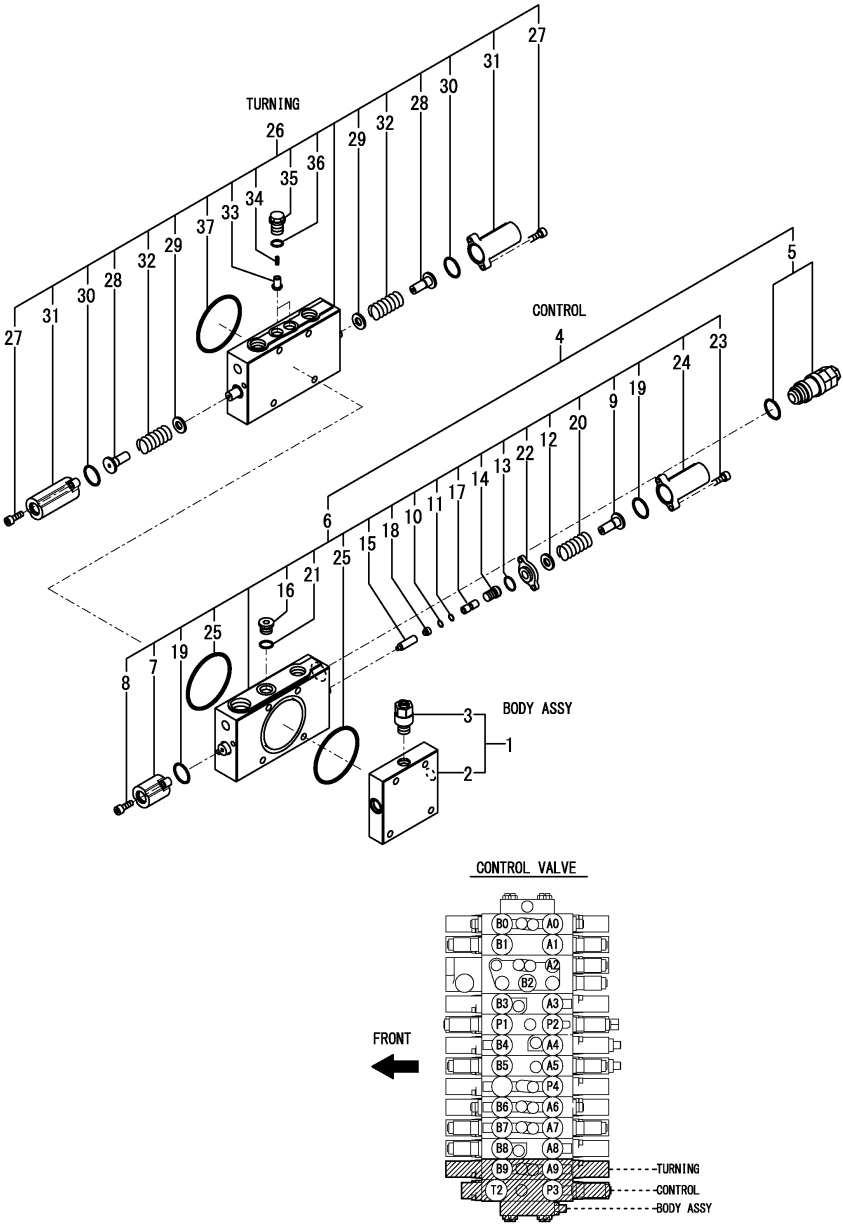
(A)=VIO80-1A C(US)
(B)=
(C)=

(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	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	1							
9	4	172175-74220	SEAT, SPRING	2							
10	4	172B11-74230	PLUG	1							
11	4	172B11-74240	SPOOL, POPEET	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	2							
17	4	172455-74410	SPRING	2							
18	4	172455-74420	POPPET	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	2							
30	4	172187-74410	POPPET	1							
31	4	172455-74410	SPRING	2							
32	4	172455-74420	POPPET	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.167(108A).

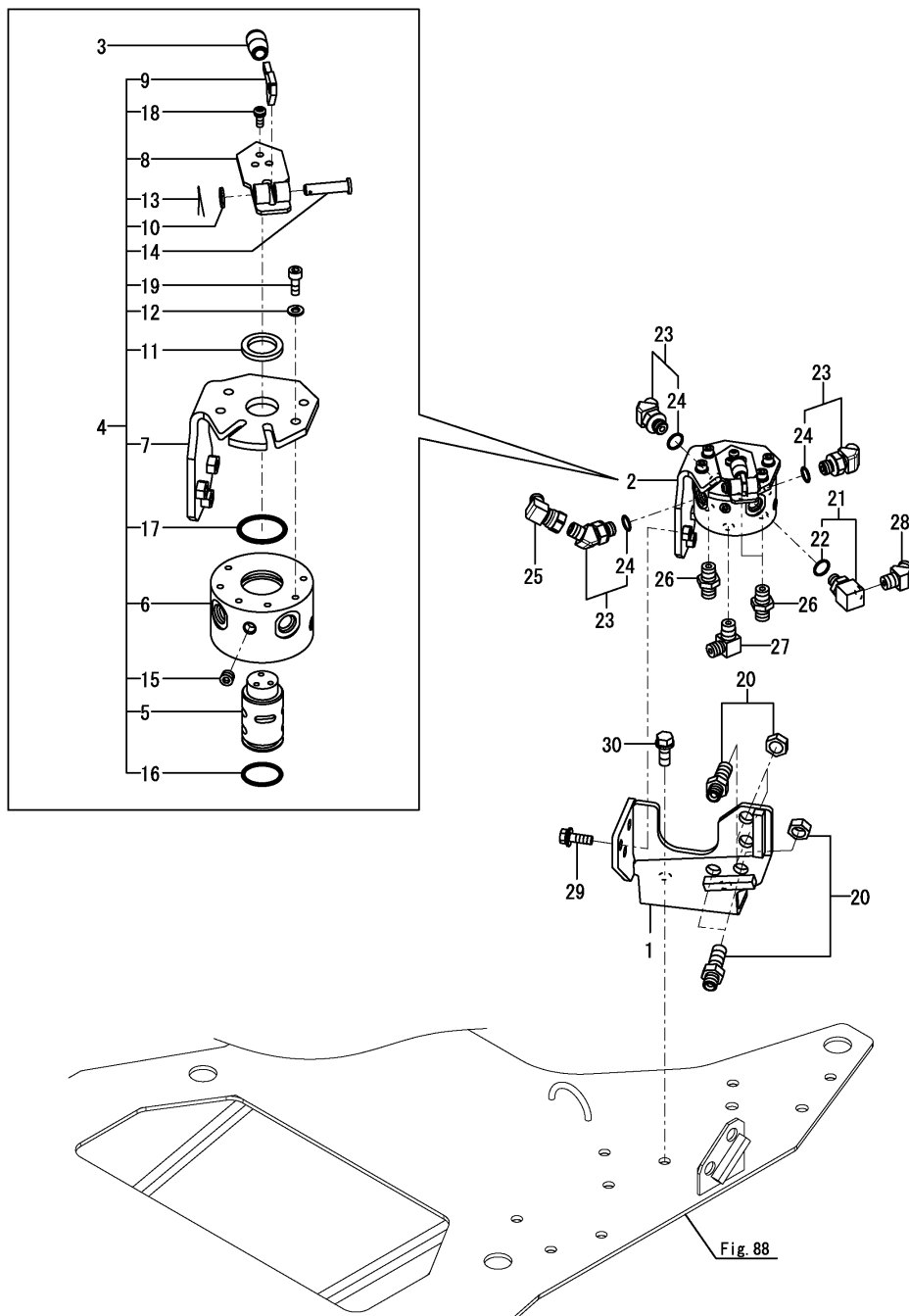
Fig.175. (108I)CONTROL VALVE(B-TYPE)(9/9)(FROM M1B320)



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	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, POPEET	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	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	2							
32	3	172455-74410	SPRING	2							
33	3	172455-74420	POPPET	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							

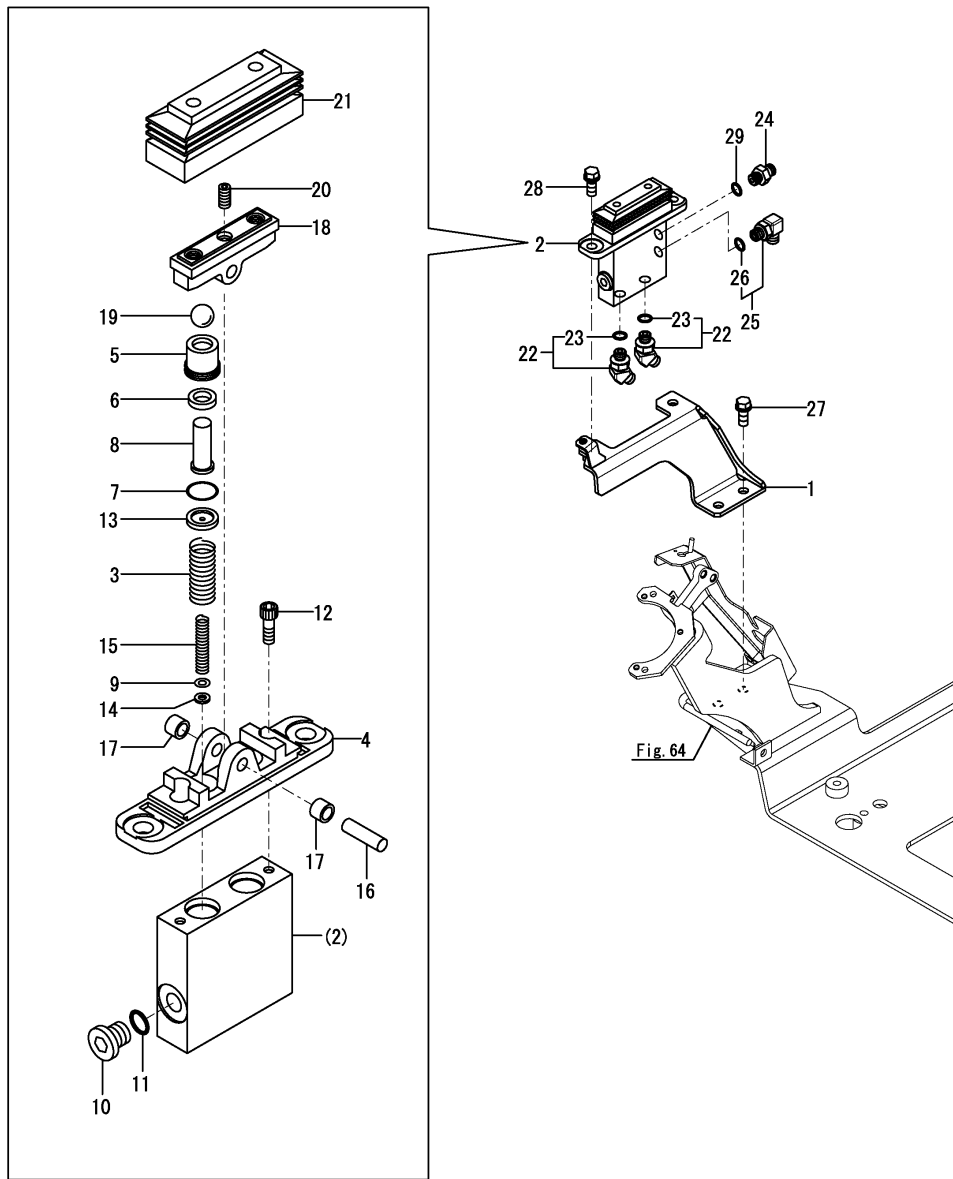
Remarks
* Control valve assy is shown in Fig.167(108A).

Fig.109. 2-WAY VALVE



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)			(D)=			I	R
				(B)=	(C)=	(E)=	(F)=				
				Q'ty							
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-71750	BRACKET ASSY,2WAY	1							
2	1	172A36-74690	VALVE ASSY, 2-WAY	1							
3	2	172157-58830	KNOB, 6.5X18X35	1							
4	2	172A36-74700	VALVE ASSY, 2-WAY	1							
5	3	172437-74711	SHAFT	1							
6	3	172437-74720	BLOCK,VALVE	1							
7	3	172437-74732	STAY ASSY	1							
8	3	172A36-74750	LEVER	1							
9	3	172A36-74780	PLATE,LOCK	1							
10	3	22117-080000	WASHER, 8	1							
11	3	22137-240000	WASHER, 24	1							
12	3	22217-060000	WASHER, SPRING 6	4							
13	3	22417-200160	PIN, COTTER 2.0X16	1							
14	3	22487-080300	PIN, H 8X 30	1							
15	3	23871-010000	PLUG, R01	4							
16	3	24311-000250	O-RING, 1AP25.0	1							
17	3	24311-000320	O-RING, 1AP32.0	1							
18	3	26022-050122	SCREW, M5X12	3							
19	3	26450-060162	BOLT, M6X 16	4							
20	1	172151-76050	JOINT	4							
21	1	172137-76100	ELBOW	1							
22	2	24315-000110	O-RING, 1BP11.0	1							
23	1	172173-76102	CONNECTOR ASSY	3							
24	2	41851-000110	O-RING	3							
25	1	172828-76330	CONNECTOR, 1/4X1/4	1							
26	1	23391-020000	JOINT, RGI-1/4	3							
27	1	23393-020000	JOINT, 90RGI-1/4	1							
28	1	23394-020000	JOINT, 45RGI-1/4	1							
29	1	26013-080252	BOLT, SPRING M8X 25	3							
30	1	26013-100252	BOLT, SPRING M10X 25	2							

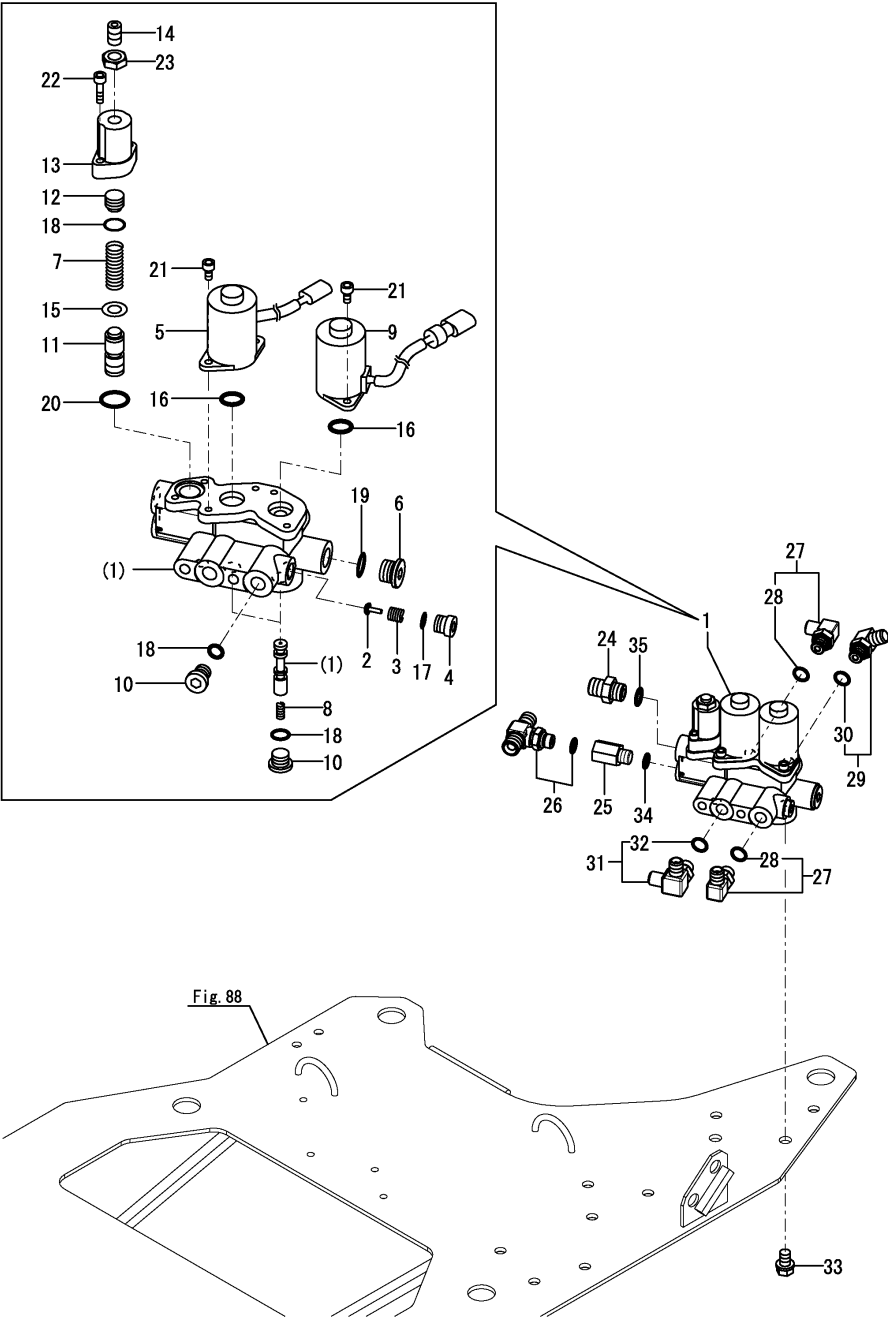
Fig.110. BLADE VALVE



				(A)=VIO80-1A C(US)				(D)=	
				(B)=				(E)=	
				(C)=				(F)=	
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A69-74310	STAY ASSY, VALVE	1					
2	1	172A69-74670	VALVE ASSY	1					
3	2	172A69-74680	SPRING	2					
4	2	172A47-74710	COVER	1					
5	2	172A47-74720	PLUG	2					
6	2	172A47-74730	PACKING	2					
7	2	172A47-74740	O-RING	2					
8	2	172A47-74750	ROD, PUSH	2					
9	2	172A47-74760	SHIM	2					
10	2	172A47-74770	PLUG	1					
11	2	172A47-74780	O-RING	1					
12	2	172A47-74790	BOLT	2					
13	2	172A47-74800	SEAT, SPRING	2					
14	2	172A47-74810	WASHER	2					
15	2	172A47-74820	SPRING	2					
16	2	172A47-74840	SHAFT, CAM	1					
17	2	172A47-74850	BUSH	2					
18	2	172A47-74860	CAM	1					
19	2	172A47-74870	BALL, STEEL	2					
20	2	172A47-74880	SCREW, SETTING	1					
21	2	172A47-74890	BELLOWS	1					
22	1	172173-76102	CONNECTOR ASSY	2					
23	2	41851-000110	O-RING	2					
24	1	172123-76121	ADAPTER	1					
25	1	172141-76181	CONNECTOR ASSY, 02FF	1					
26	2	41851-000110	O-RING	1					
27	1	26013-100252	BOLT, M10X 25	2					
28	1	26013-100252	BOLT, M10X 25	2					
29	1	41851-000110	O-RING	1					

(A)=VIO80-1A C(US)
(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							
6	2	172A69-74520	PLUG, PF1/2	1							
7	2	172A69-74540	SPRING	1							
8	2	172A46-74710	SPRING	2							
9	2	172A46-74720	VALVE, SOLENOID	1							
10	2	172A46-74730	PLUG,G1/4	3							
11	2	172A69-74960	PLUNGER	1							
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							
22	2	26450-050202	BOLT, M5X 20	2							
23	2	26736-100002	NUT, M10	1							
24	1	172730-75141	ADAPTER	1							
25	1	172422-76140	CONNECTOR	1							
26	1	172B11-76150	CONNECTOR, TEE	1							
27	1	172141-76181	CONNECTOR ASSY, 02FF	2							
28	2	41851-000110	O-RING	2							
29	1	172141-76181	CONNECTOR ASSY, 02FF	1							
30	2	41851-000110	O-RING	1							
31	1	172491-76330	ELBOW, ADJUSTABLE	1							
32	2	24315-000110	O-RING, 1BP11.0	1							
33	1	26013-100162	BOLT, M10X 16	2							
34	1	41851-000110	O-RING	1							
35	1	41851-000140	O-RING	1							

(A)=VIO80-1A C(US)
(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	1							
3	1	172141-76181	CONNECTOR ASSY, 02FF	2							
4	2	41851-000110	O-RING	2							
5	1	172186-76430	NIPPLE, ELBOW	1							
6	2	24315-000110	O-RING, 1BP11.0	1							
7	1	26013-080162	BOLT, M8X 16	2							
8	1	41851-000110	O-RING	1							

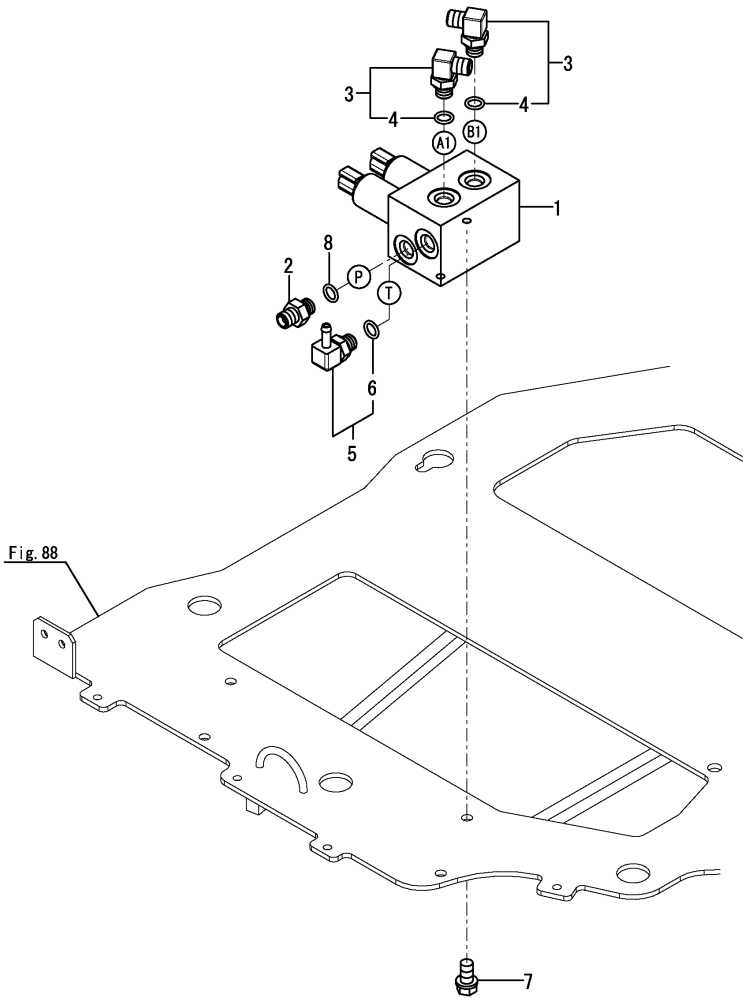
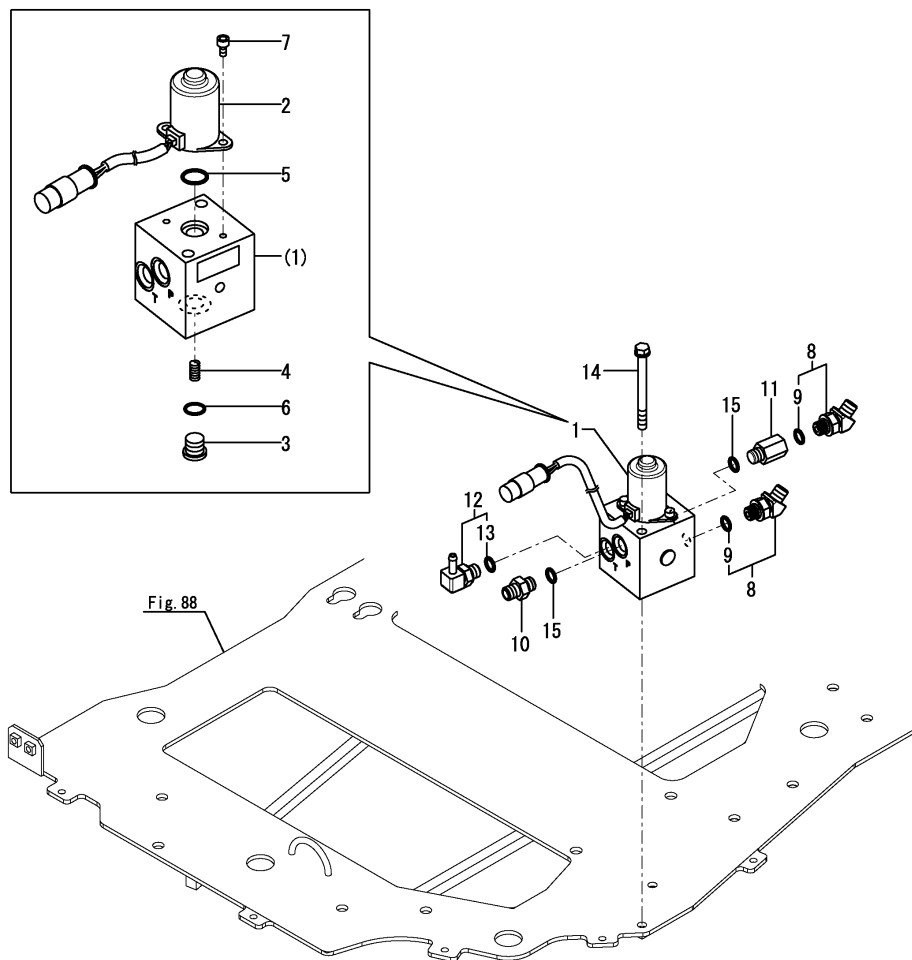


Fig.113. SOLENOID VALVE(QUICK COUPLER)

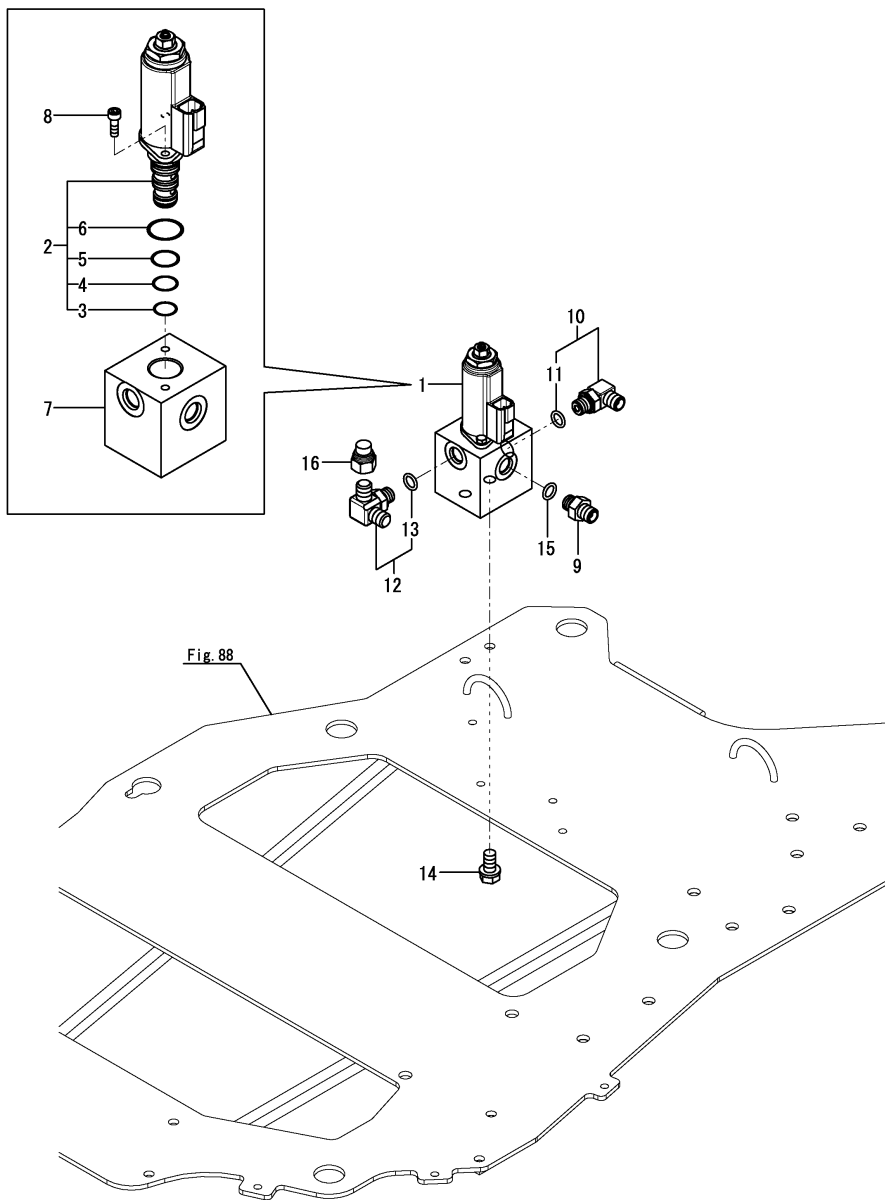


(A)=VIO80-1A C(US)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-74550	VALVE ASSY	1							
2	2	172A69-74560	SOLENOID	1							
3	2	172A69-74590	PLUG G1/4	1							
4	2	172A46-74710	SPRING	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	2							
10	1	172123-76121	ADAPTER	1							
11	1	172422-76140	CONNECTOR	1							
12	1	172186-76430	NIPPLE, ELBOW	1							
13	2	24315-000110	O-RING, 1BP11.0	1							
14	1	26013-080902	BOLT, M8X 90	2							
15	1	41851-000110	O-RING	2							

Fig.114. VALVE(E.S.S.)



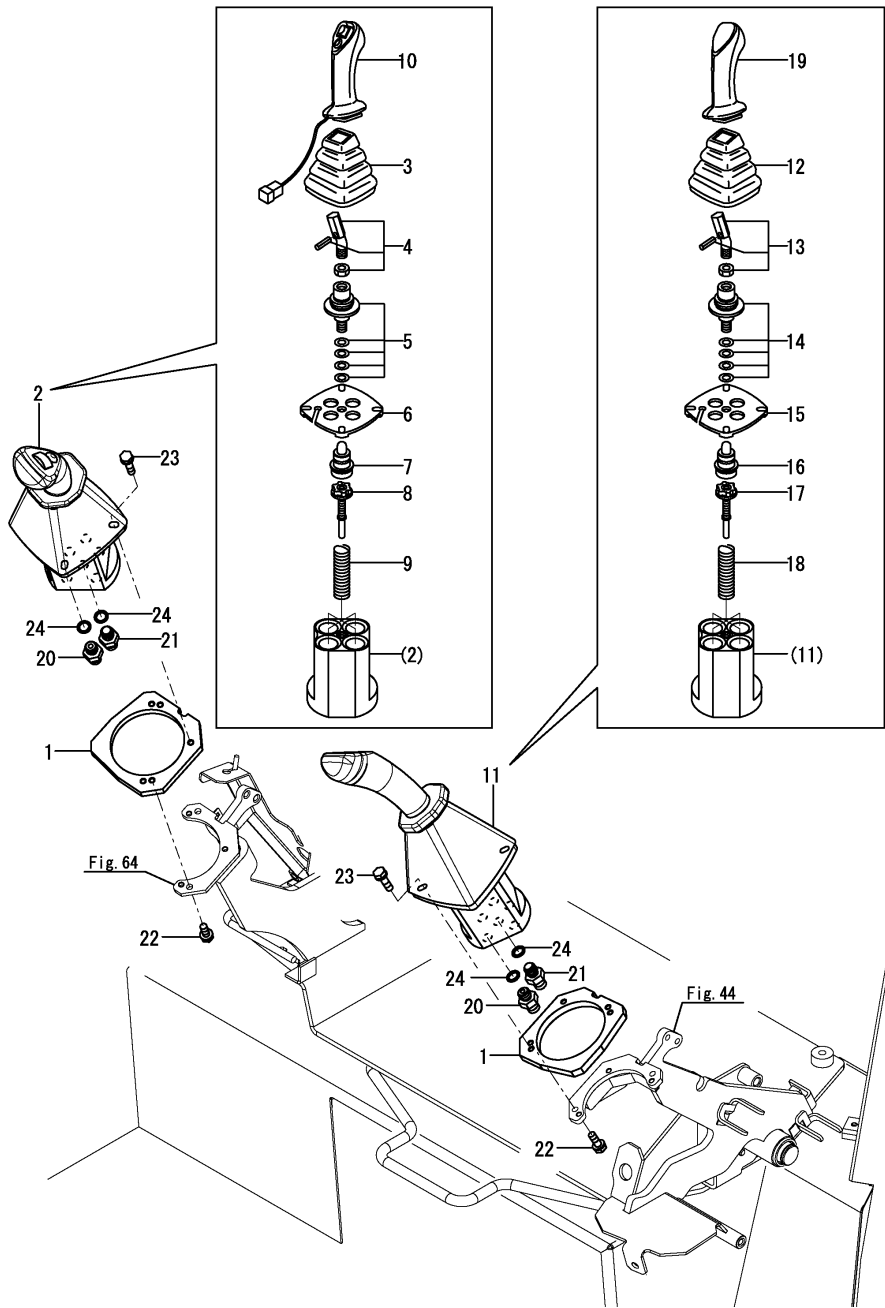
(1)Not applied for quick coupler specification.

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

No.	Lev.	Parts No.	Description	Qty						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	1							
10	1	172141-76181	CONNECTOR ASSY, 02FF	1							
11	2	41851-000110	O-RING	1							
12	1	172491-76330	ELBOW, ADJUSTABLE	1							
13	2	24315-000110	O-RING, 1BP11.0	1							
14	1	26013-080162	BOLT, M8X 16	2							
15	1	41851-000110	O-RING	1							
16	1	1E3030-78370	CAP. SCREW	1							1

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

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

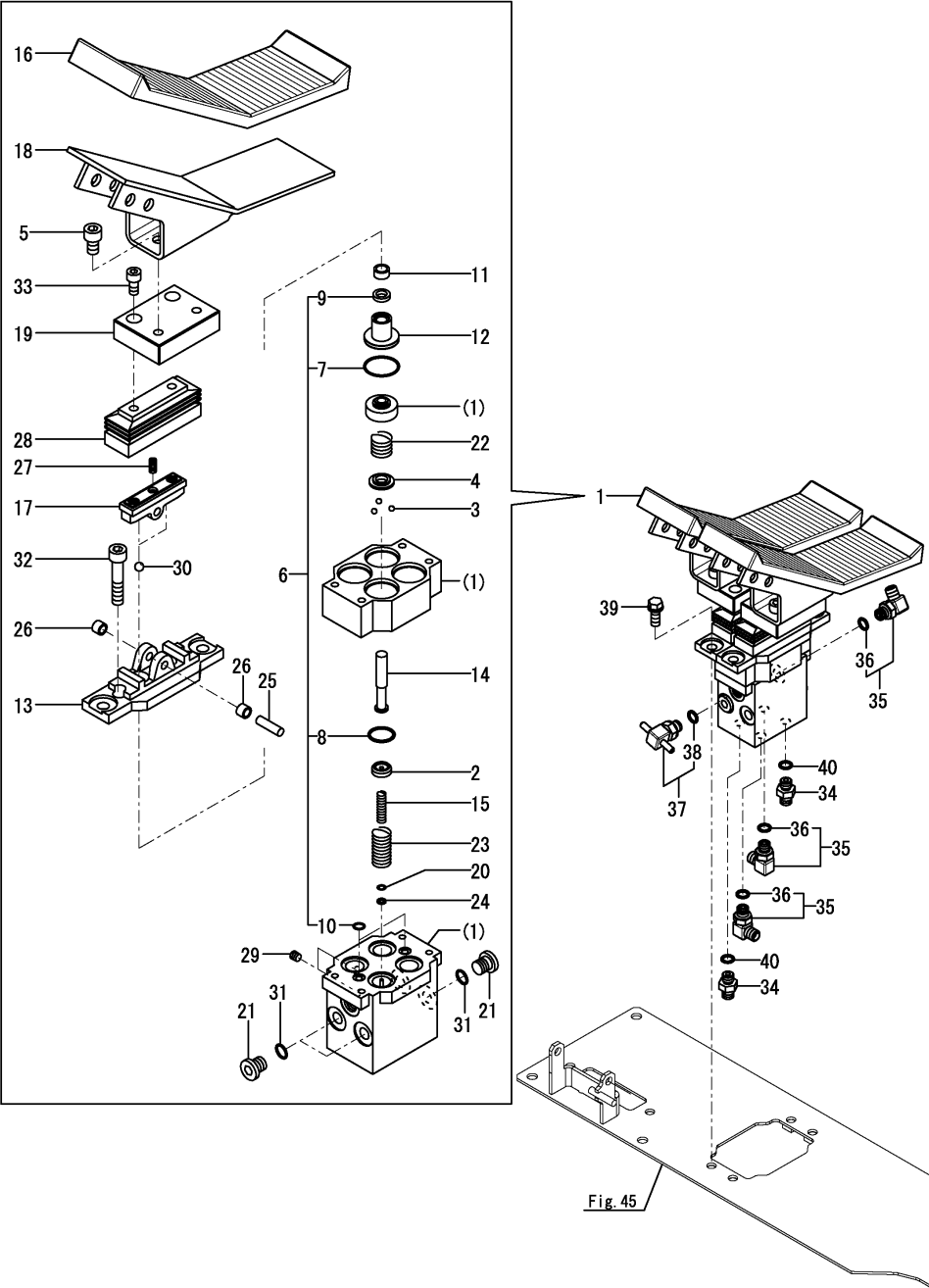


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A78-64510	SPACER, VALVE	2							
2	1	172B11-74850	VALVE ASSY,R	1							
3	2	172441-74030	BOOT	1							
4	2	172441-74040	LEVER KIT	1							
5	2	172463-74530	CARDAN KIT	1							
6	2	172463-74540	PLATE, RETAINING	1							
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	1							
13	2	172441-74040	LEVER KIT	1							
14	2	172463-74530	CARDAN 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	10							
21	1	172455-76220	CONNECTOR	2							
22	1	26014-060162	BOLT, M6X 16	4							
23	1	26014-060162	BOLT, M6X 16	6							
24	1	41851-000110	O-RING	12							

Fig.116. REMOTE CONTROL VALVE(TRAVEL)

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

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A89-74700	VALVE ASSY, TRAVEL	1							
2	2	172A69-71300	SEAT, SPRING	4							
3	2	172A69-71310	BALL, STEEL	12							
4	2	172A69-71320	SEAT, SPRING	4							
5	2	172A69-71340	BOLT 10X16	4							
6	2	172A69-71350	SEAL SET	1							
7	3	172A69-71360	O-RING	4							
8	3	172A69-71370	O-RING	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	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	2							
35	1	172141-76181	CONNECTOR ASSY, 02FF	3							
36	2	41851-000110	O-RING	3							
37	1	172A47-76230	NIPPLE, TEE	1							
38	2	41851-000110	O-RING	1							
39	1	26013-100252	BOLT, M10X 25	2							
40	1	41851-000110	O-RING	2							

Fig.117. REMOTE CONTROL VALVE(SWING)

(A)=VIO80-1A C(US)
(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	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	1							
10	2	172A47-74780	O-RING	1							
11	2	172A47-74790	BOLT	2							
12	2	172A47-74800	SEAT, SPRING	2							
13	2	172A47-74810	WASHER	2							
14	2	172A47-74820	SPRING	2							
15	2	172A47-74840	SHAFT, CAM	1							
16	2	172A47-74850	BUSH	2							
17	2	172A47-74860	CAM	1							
18	2	172A47-74870	BALL, STEEL	2							
19	2	172A47-74880	SCREW, SETTING	1							
20	2	172A47-74890	BELLOWS	1							
21	1	172123-76121	ADAPTER	2							
22	1	172183-76200	CONNECTOR	1							
23	1	172A47-76320	NIPPLE	1							
24	1	172491-76330	ELBOW, ADJUSTABLE	1							
25	2	24315-000110	O-RING, 1BP11.0	1							
26	1	26013-100252	BOLT, M10X 25	4							
27	1	41851-000110	O-RING	3							

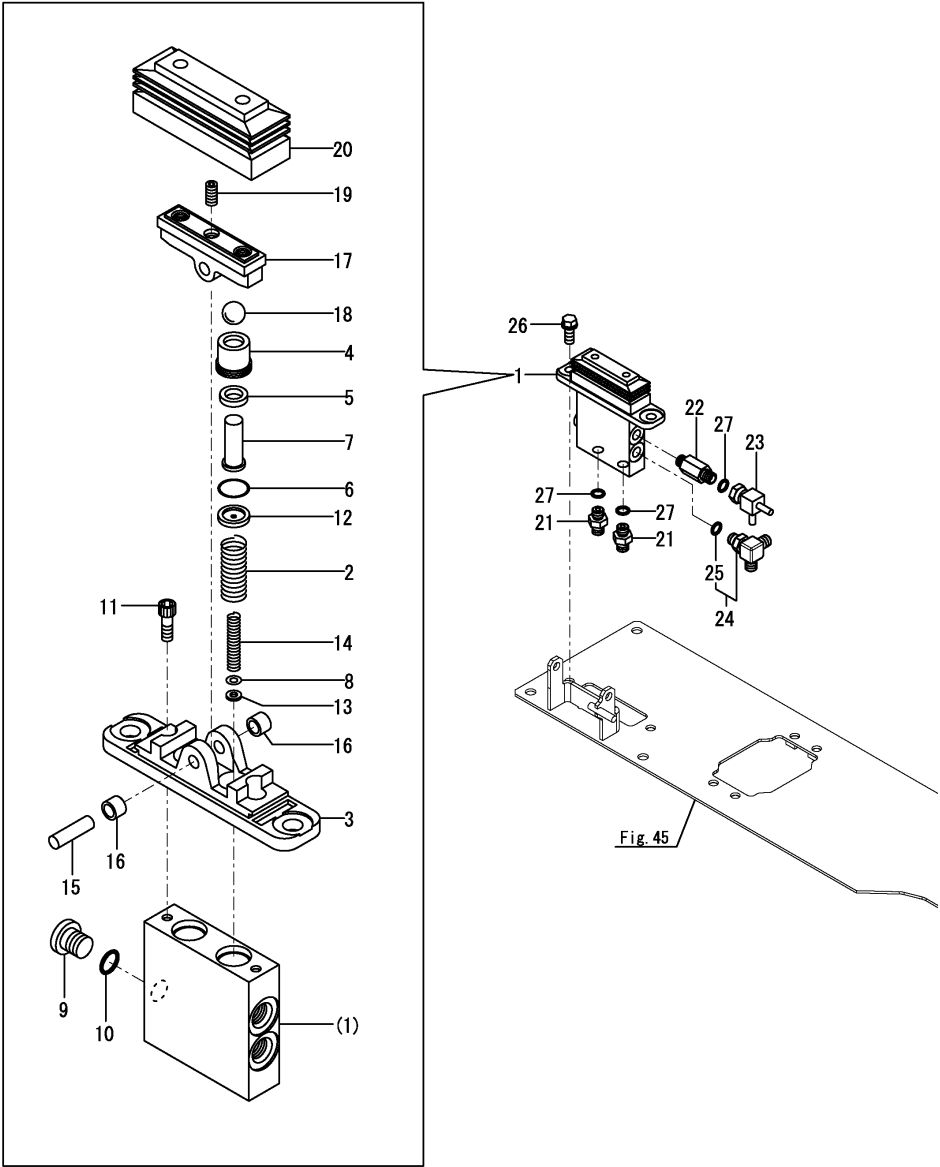
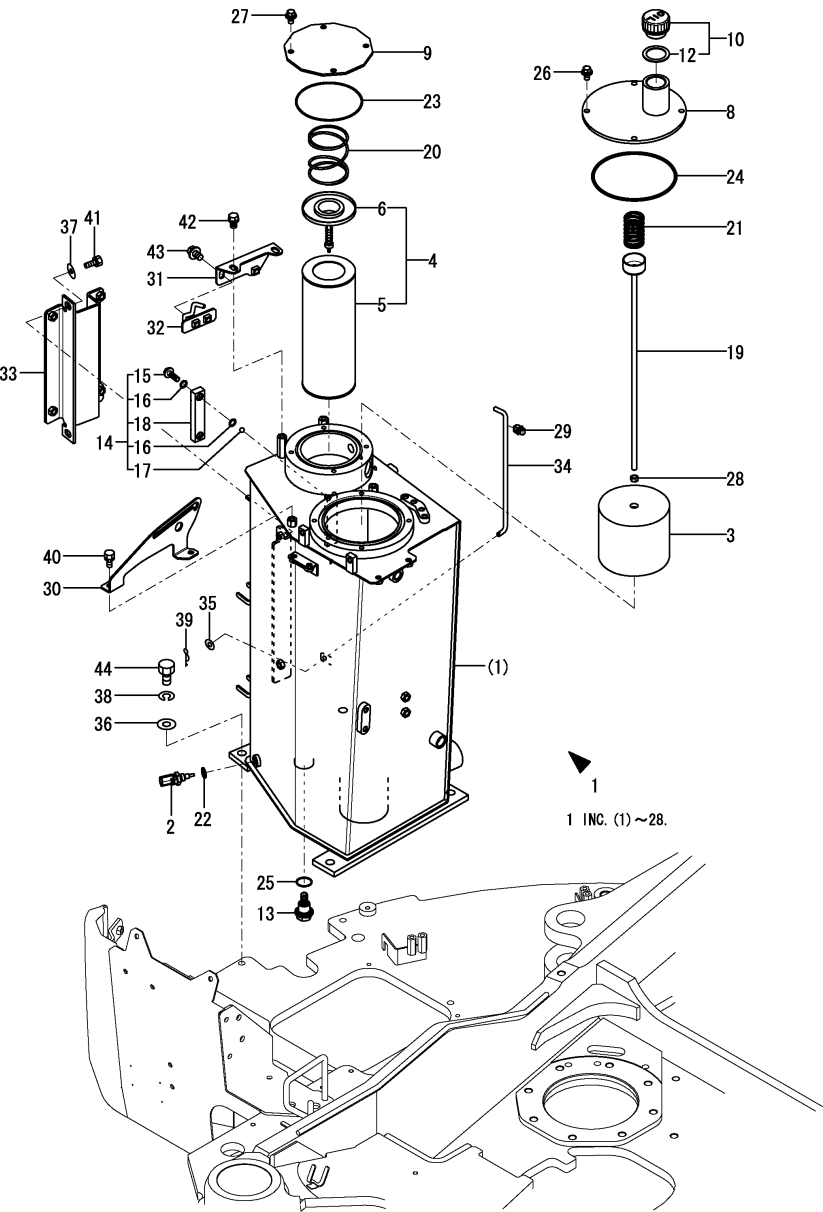


Fig.118. HYD. OIL TANK



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

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

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.THERMO CW	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, BY-PASS	1							
8	2	172A69-75240	COVER ASSY	1							
9	2	172187-75340-2	COVER, TANK	1							1
10	2	172A69-75450	CAP, RESERVER	1							
12	3	172A69-75470	PACKING	1							
13	2	172187-75500	PLUG	1							
14	2	172A69-75600	GAUGE, OIL LEVEL	1							
15	3	172455-75290	BOLT	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							
28A	1	172437-03322	LABEL, RESEVOIR	1							2
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	4							
44	1	26116-160352	BOLT, M16X 35 PLATED	4							

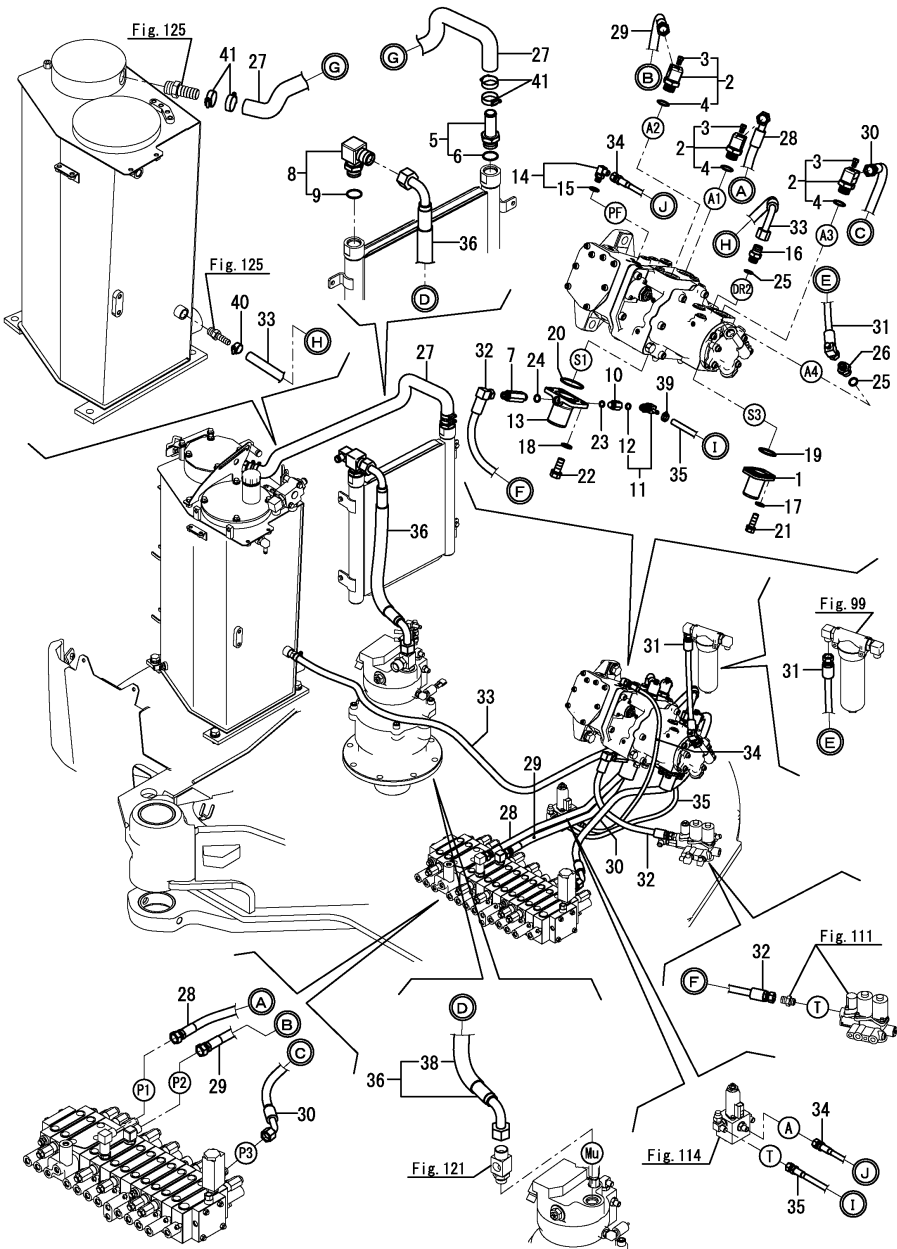
Remarks
(1)Attach the No.28A label to this part.
(2)Not illustrated.

Fig.119. PUMP - CONTROL VALVE - OIL COOLER

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

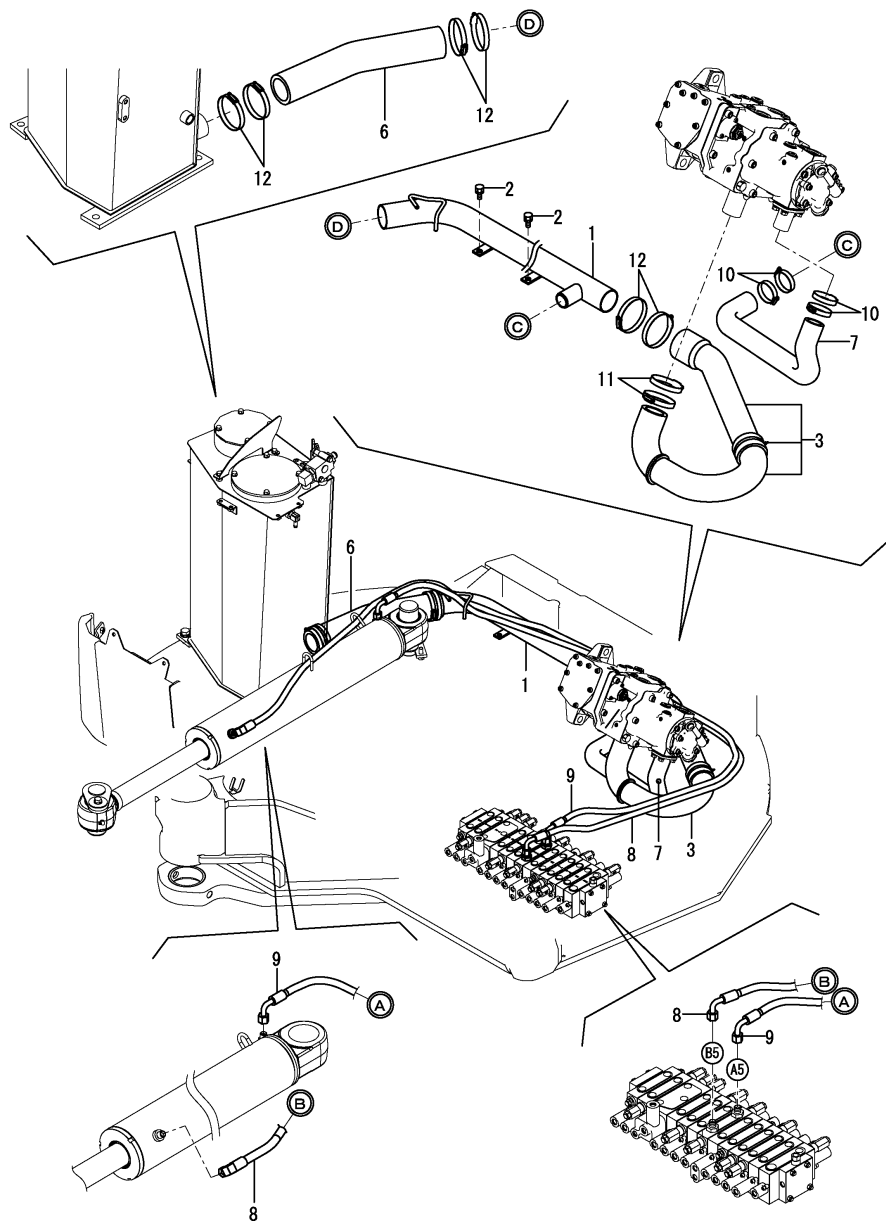
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172422-76100	FLANGE	1							
2	1	172A89-76110	ELBOW	3							
3	2	172A89-76120	PLUG, SCREW PT1/8	3							
4	2	41851-000240	O-RING	3							
5	1	172A69-76120	NIPPLE	1							
6	2	172A65-76790	O-RING	1							
7	1	172162-76131	ADAPTER	1							
8	1	172A89-76130	ELBOW	1							
9	2	24315-000290	O-RING, 1BP29.0	1							
10	1	172422-76140	CONNECTOR	1							
11	1	172458-76150	NIPPLE, ELBOW	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							
15	2	41851-000110	O-RING	1							
16	1	172112-77361	CONNECTOR	1							
17	1	22117-100000	WASHER, 10	4							
18	1	22117-120000	WASHER, 12	4							
19	1	24325-000400	O-RING, 1BG40.0	1							
20	1	24325-000550	O-RING, 1BG55.0	1							
21	1	26013-100302	BOLT, M10X 30	4							
22	1	26013-120302	BOLT, M12X 30	4							
23	1	41851-000110	O-RING	1							
24	1	41851-000140	O-RING	1							
25	1	41851-000180	O-RING	2							
26	1	933160-01370	CONNECTOR,PF1/2PF3/8	1							
27	1	172B11-78130	HOSE,25.4	1							
28	1	172B11-78150	HOSE, H108BC106S	1							
29	1	172B11-78160	HOSE, H108BB110S	1							
30	1	172B11-78170	HOSE, H108BE112S	1							
31	1	172B11-78180	HOSE, H606BZ040S	1							
32	1	172B11-78200	HOSE, G806BV043S	1							
33	1	172A69-78210	HOSE	1							
34	1	172B11-78220	HOSE, H604BB072S	1							
35	1	172B11-78230	HOSE, G804BY062	1							
36	1	172A89-78240	HOSE G616CC060	1							
38	2	172499-78591	INSURATOR,HOSE	1							
39	1	23001-016000	CLAMP, HOSE 16	1							
40	1	23001-022000	CLAMP, HOSE 22	1							
41	1	23001-041000	CLAMP, HOSE 41	4							



Remarks
* Fitting(control valve) is shown in Fig.122 & 123.

Fig.120. TANK - PUMP & SWING CYLINDER



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

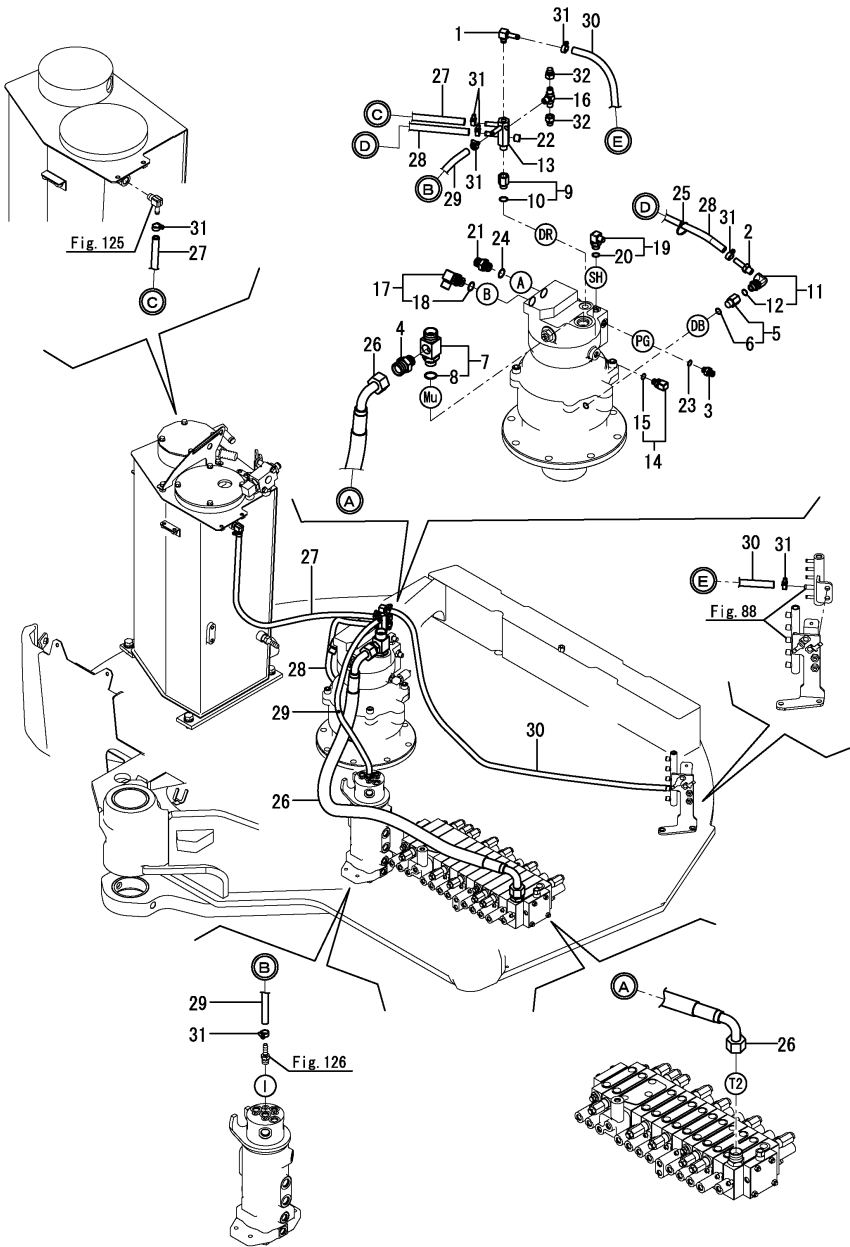
(D)=
(E)=
(F)=

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	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.122 & 123.

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.121. CONTROL VALVE - TURNING MOTOR



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

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

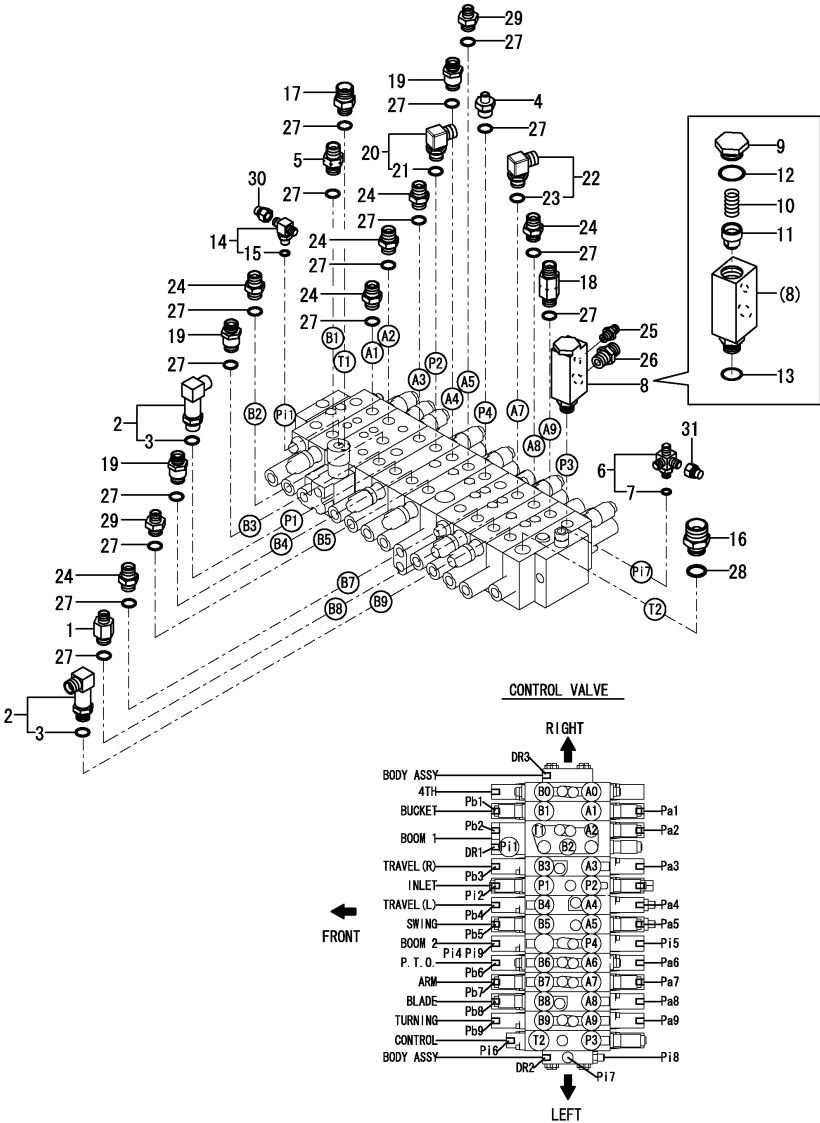
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-11120	ELBOW	1							
2	1	172137-76110	NIPPLE	1							
3	1	172123-76121	ADAPTER	1							
4	1	172187-76131	CONNECTOR, PF3/4	1							
5	1	172A52-76130	ADAPTER	1							
6	2	24315-000140	O-RING, 1BP14.0	1							
7	1	172187-76141	CONNECTOR, PF1XPF3/4	1							
8	2	24315-000240	O-RING, 1BP24.0	1							
9	1	172A69-76140	ADAPTER	1							
10	2	41851-000140	O-RING	1							
11	1	172499-76300	ELBOW ASSY	1							
12	2	24315-000140	O-RING, 1BP14.0	1							
13	1	172499-76311	JOINT	1							
14	1	172A89-76310	JOINT, G1/4-RC1/8	1							
15	2	41851-000110	O-RING	1							
16	1	172162-76320	CONNECTOR, 3X1/4	1							
17	1	172141-76900	CONNECTOR ASSY	1							
18	2	24315-000180	O-RING, 1BP18.0	1							
19	1	172141-76920	CONNECTOR ASSY	1							
20	2	24315-000140	O-RING, 1BP14.0	1							
21	1	172112-77361	CONNECTOR	1							
22	1	23871-020000	PLUG, R02	1							
23	1	41851-000110	O-RING	1							
24	1	41851-000180	O-RING	1							
25	1	172137-16560	BAND	1							
26	1	172A69-78230	HOSE	1							
27	1	172A69-78250	HOSE	1							
28	1	172A69-78261	HOSE G806YY060S	1							
29	1	172A69-78261	HOSE G806YY060S	1							
30	1	172A69-78270	HOSE	1							
31	1	23001-016000	CLAMP, HOSE 16	8							
32	1	1E3030-78370	CAP, SCREW	2							

Remarks
* Fitting(control valve) is shown in Fig.122 & 123.

Fig.122. CONTROL VALVE(FITTING)(1)

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

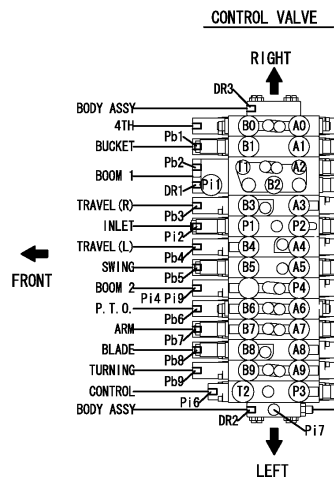
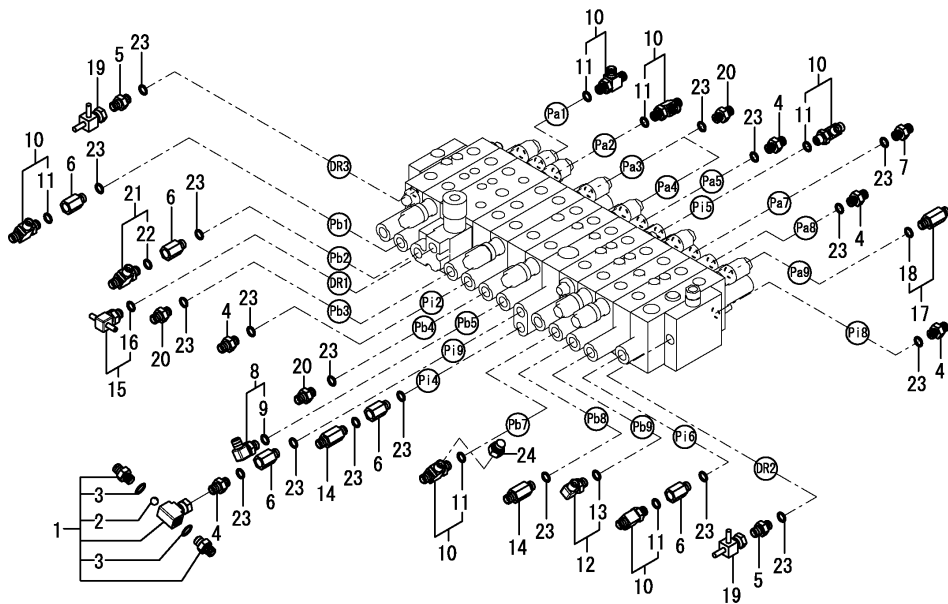
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172423-76100	CONNECTOR,PF1/2PF3/8	1							
2	1	172524-76110	ELBOW	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							
7	2	24315-000110	O-RING, 1BP11.0	1							
8	1	172A69-76150	ELBOW	1							
9	2	172A69-76050	PLUG	1							
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	1							
14	1	172187-76170	TEE, ADJUSTABLE	1							
15	2	24315-000110	O-RING, 1BP11.0	1							
16	1	172151-76200	JOINT	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							
21	2	24315-000180	O-RING, 1BP18.0	1							
22	1	172141-76900	CONNECTOR ASSY	1							
23	2	24315-000180	O-RING, 1BP18.0	1							
24	1	172112-77361	CONNECTOR	6							
25	1	23391-020000	JOINT, RGI-1/4	1							
26	1	23391-040000	JOINT, RGI-1/2	1							
27	1	41851-000180	O-RING	16							
28	1	41851-000240	O-RING	1							
29	1	933160-01370	CONNECTOR,PF1/2PF3/8	2							
30	1	1E3030-78370	CAP, SCREW	1							
31	1	1E3030-78370	CAP, SCREW	1							1

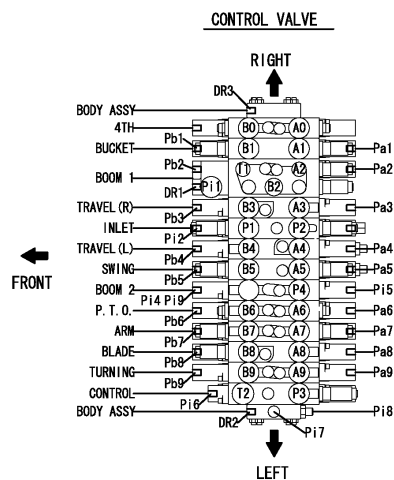
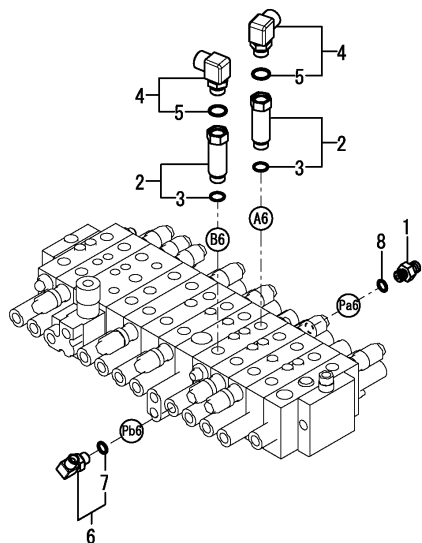
Remarks
(1)Not applied for quick coupler specification.

Fig.123. CONTROL VALVE(FITTING)(2)



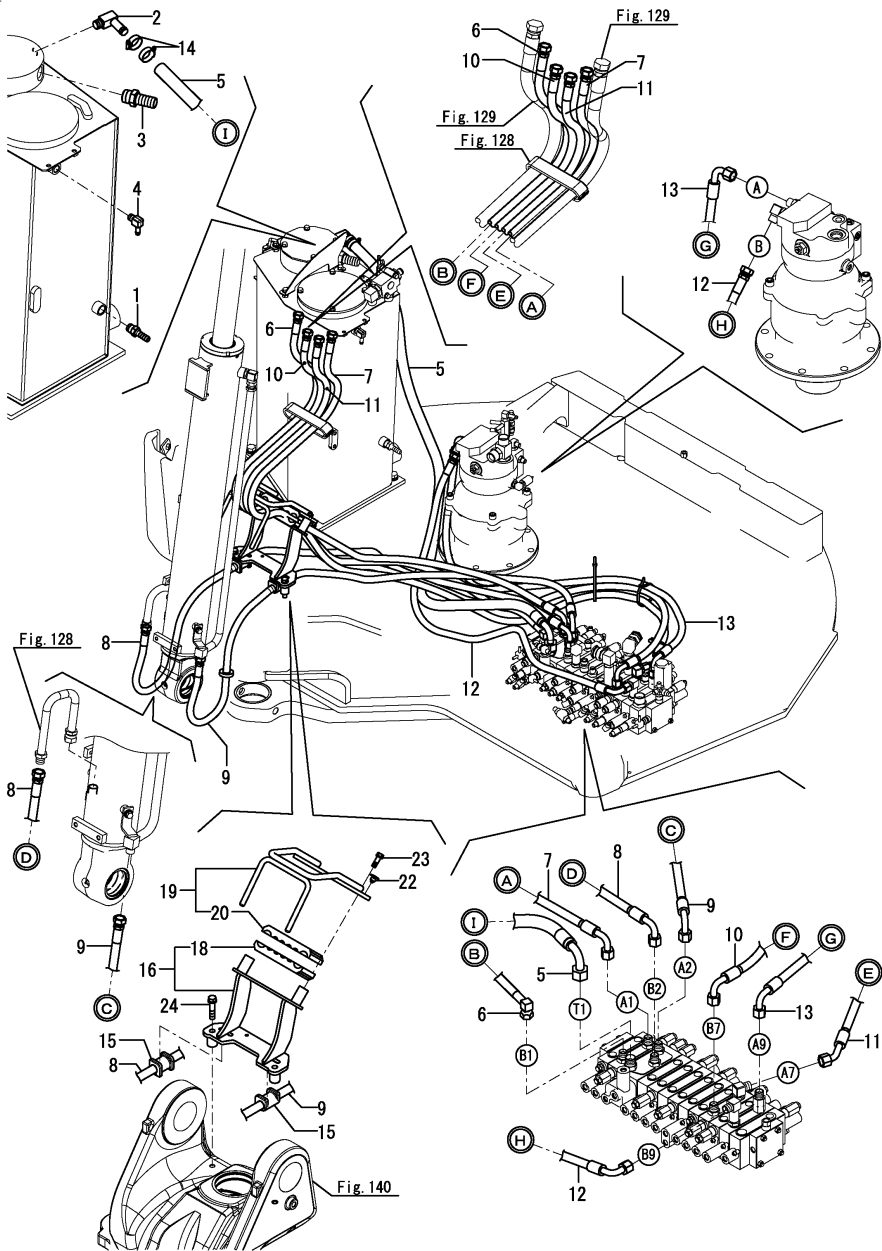
No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)			(D)=			I	R
				(B)=	(C)=		(E)=	(F)=			
				(A)	(B)	(C)	Q'ty (D)	(E)	(F)		
1	1	172A86-74500	VALVE, SHUTTLE	1							
2	2	24190-140001	BALL, STEEL 7/16	1							
3	2	41851-000110	O-RING	2							
4	1	172123-76121	ADAPTER	5							
5	1	172123-76121	ADAPTER	2							
6	1	172422-76140	CONNECTOR	5							
7	1	172A47-76171	CONNECTOR, G1/4X0.6	1							
8	1	172141-76181	CONNECTOR ASSY, 02FF	1							
9	2	41851-000110	O-RING	1							
10	1	172162-76181	JOINT ASSY	6							
11	2	41851-000110	O-RING	6							
12	1	172A47-76180	ELBOW	1							
13	2	41851-000110	O-RING	1							
14	1	172183-76200	CONNECTOR	2							
15	1	172A47-76230	NIPPLE, TEE	1							
16	2	41851-000110	O-RING	1							
17	1	172A47-76290	CONNECTOR	1							
18	2	41851-000110	O-RING	1							
19	1	172A47-76320	NIPPLE	2							
20	1	172164-76330	JOINT, PF1/4-0.7	4							
21	1	172164-76700	JOINT ASSY	1							
22	2	24315-000110	O-RING, 1BP11.0	1							
23	1	41851-000110	O-RING	19							
24	1	1E3030-78370	CAP. SCREW	1							

Fig.124. CONTROL VALVE(FITTING)(P.T.O.)



				(A)=VIO80-1A C(US)							(D)=		
				(B)=							(E)=		
				(C)=							(F)=		
No.	Lev.	Parts No.	Description	Q'ty								I	R
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	172123-76121	ADAPTER	1									
2	1	172A21-76120	ADAPTER	2									
3	2	41851-000180	O-RING	2									
4	1	172151-76161	ELBOW ASSY	2									
5	2	24315-000180	O-RING, 1BP18.0	2									
6	1	172141-76181	CONNECTOR ASSY, 02FF	1									
7	2	41851-000110	O-RING	1									
8	1	41851-000110	O-RING	1									

Fig.125. CONTROL VALVE - BOOM, TURNING MOTOR & TANK



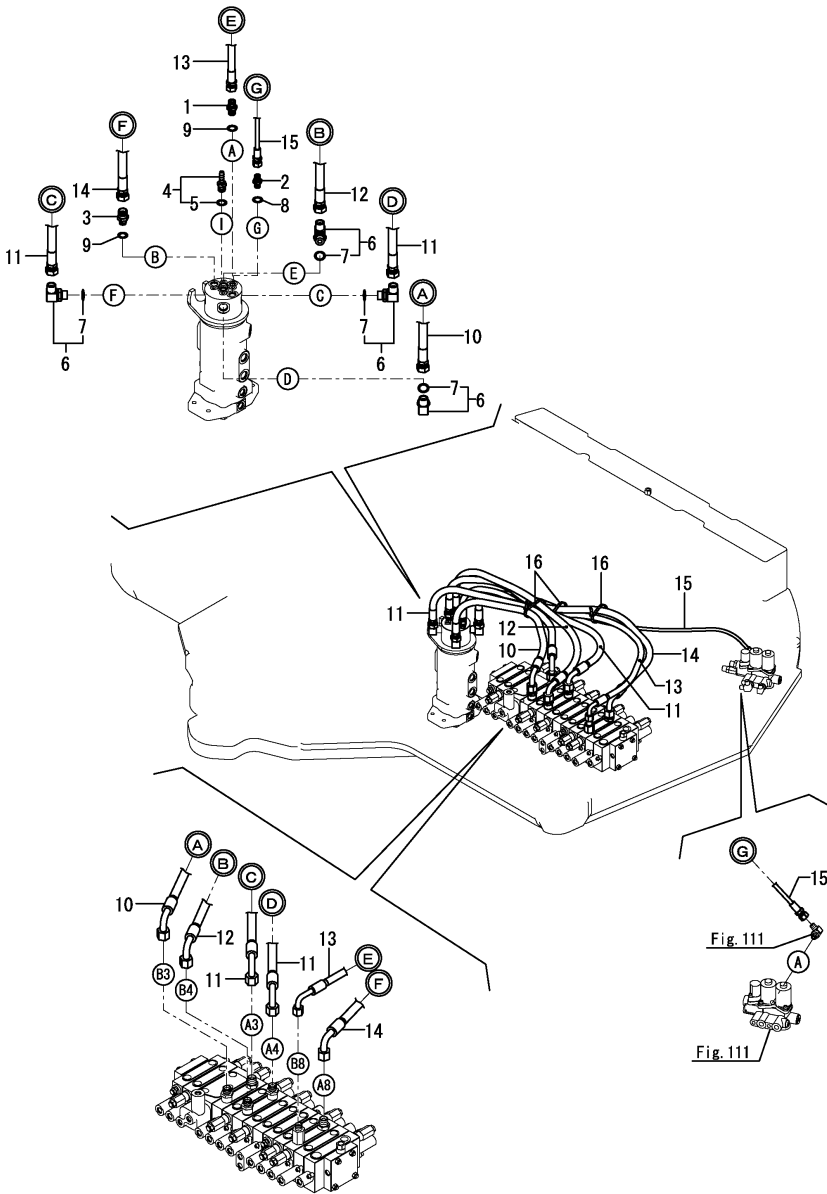
(A)=VIO80-1A C(US)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-76170	CONNECTOR	1							
2	1	172A89-76170	ELBOW, 90 1/2	1							
3	1	172187-76180	NIPPLE, HOSE	1							
4	1	172168-76370	ELBOW	1							
5	1	172A69-78220	HOSE	1							
6	1	172A89-78300	HOSE H108BV238K	1							
7	1	172A89-78310	HOSE H108BC234K	1							
8	1	172A69-78320	HOSE	1							
9	1	172A69-78330	HOSE	1							
10	1	172A89-78430	HOSE G108BC291K	1							
11	1	172A89-78440	HOSE H108BE272K	1							
12	1	172A69-78470	HOSE	1							
13	1	172A69-78480	HOSE	1							
14	1	23001-035000	CLAMP, HOSE 35	2							
15	1	172187-78100	RUBBER	2							
16	1	172A89-79100-Y	CLAMP ASSY, HOSE	1							
18	2	172A89-79140	SUPPORT, RUBBER	1							
19	1	172A89-79150-Y	PLATE ASSY,CLAMP	1							
20	2	172A89-79140	SUPPORT, RUBBER	1							
22	1	172183-81160	CLIP, TREE	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.122 & 123.

Fig.126. CONTROL VALVE - SWIVEL JOINT



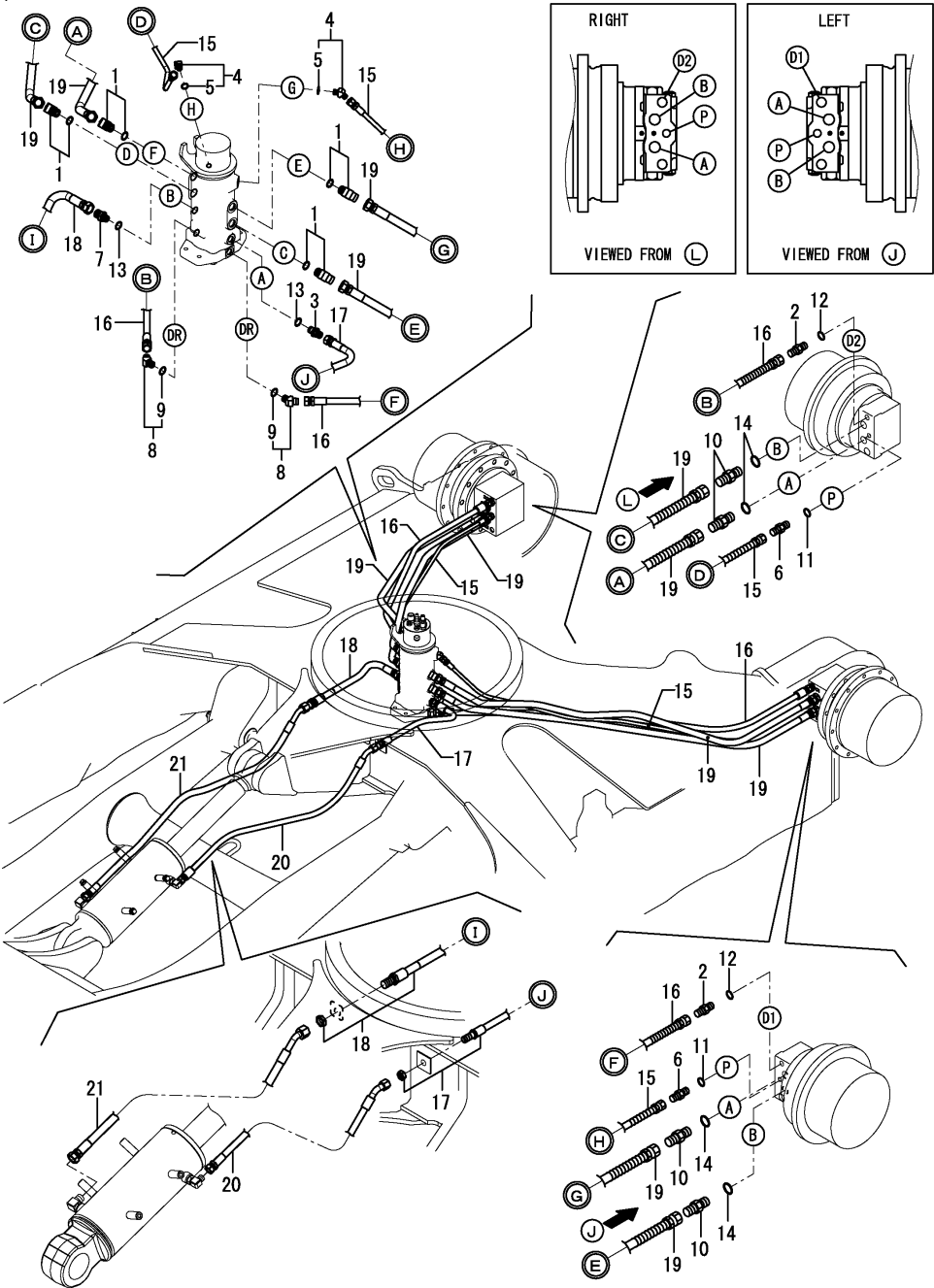
(A)=VIO80-1A C(US)
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	1							
2	1	172123-76121	ADAPTER	1							
3	1	172168-76162	CONNECTOR, PF1/2X3/8	1							
4	1	172A65-76700	CONNECTOR, G3/8	1							
5	2	41851-000140	O-RING	1							
6	1	172141-76900	CONNECTOR ASSY	4							
7	2	24315-000180	O-RING, 1BP18.0	4							
8	1	41851-000110	O-RING	1							
9	1	41851-000140	O-RING	2							
10	1	172A69-78340	HOSE	1							
11	1	172A69-78350	HOSE	2							
12	1	172A69-78360	HOSE	1							
13	1	172A69-78450	HOSE	1							
14	1	172A69-78460	HOSE	1							
15	1	172A69-78900	HOSE	1							
16	1	172122-79890	CLAMP, HOSE	3							

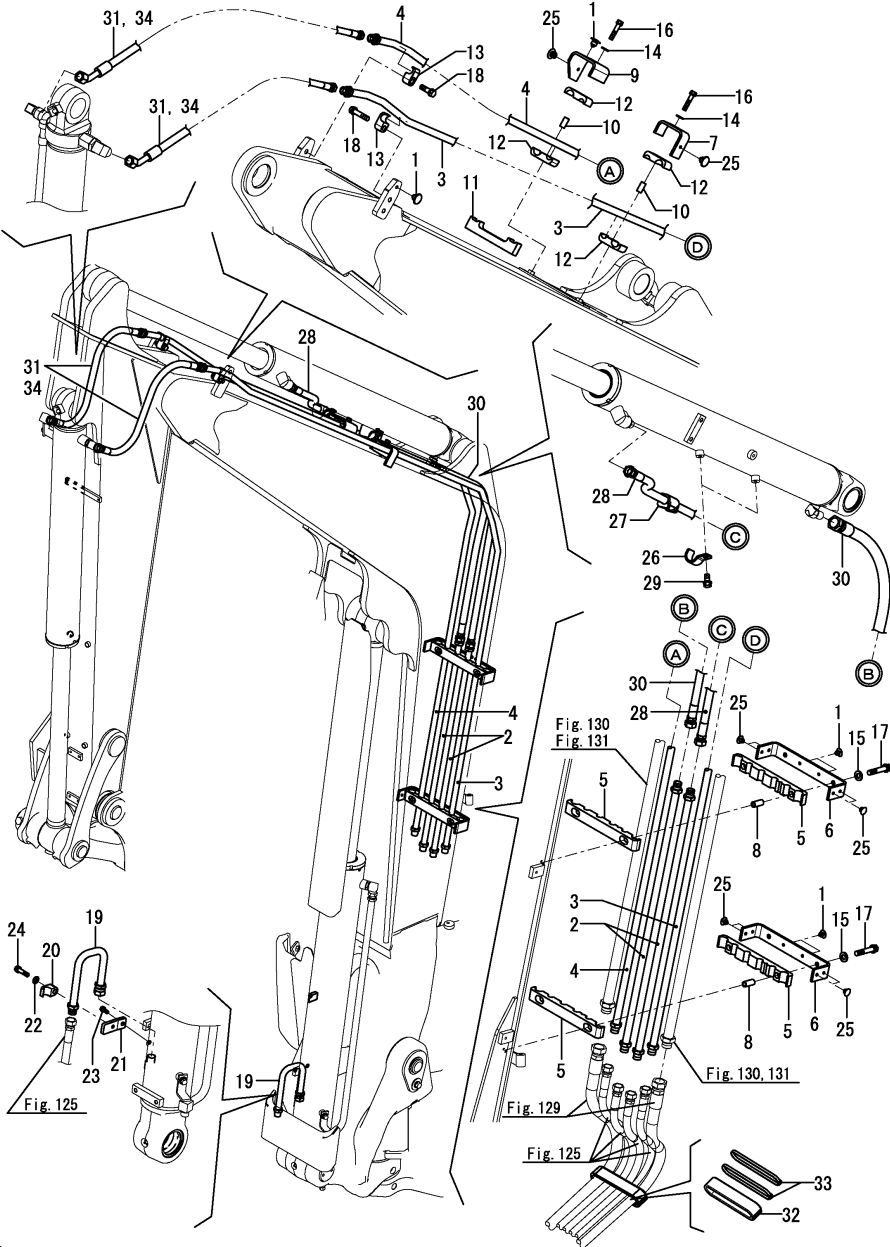
Remarks
* Fitting(control valve) is shown in Fig.122 & 123.

(A)=VIO80-1A C(US)
(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	2							
3	1	172730-75141	ADAPTER	1							
4	1	172173-76102	CONNECTOR ASSY	2							
5	2	41851-000110	O-RING	2							
6	1	172123-76121	ADAPTER	2							
7	1	172168-76162	CONNECTOR, PF1/2X3/8	1							
8	1	172644-76161	ELBOW, ADJUST	2							
9	2	24315-000140	O-RING, 1BP14.0	2							
10	1	172112-77361	CONNECTOR	4							
11	1	41851-000110	O-RING	2							
12	1	41851-000140	O-RING	2							
13	1	41851-000140	O-RING	2							
14	1	41851-000180	O-RING	4							
15	1	172187-78201	HOSE	2							
16	1	172187-78211	HOSE	2							
17	1	172A69-78510	HOSE	1							
18	1	172A69-78520	HOSE	1							
19	1	172499-78530	HOSE	4							
20	1	172A69-78530	HOSE	1							
21	1	172A69-78540	HOSE	1							

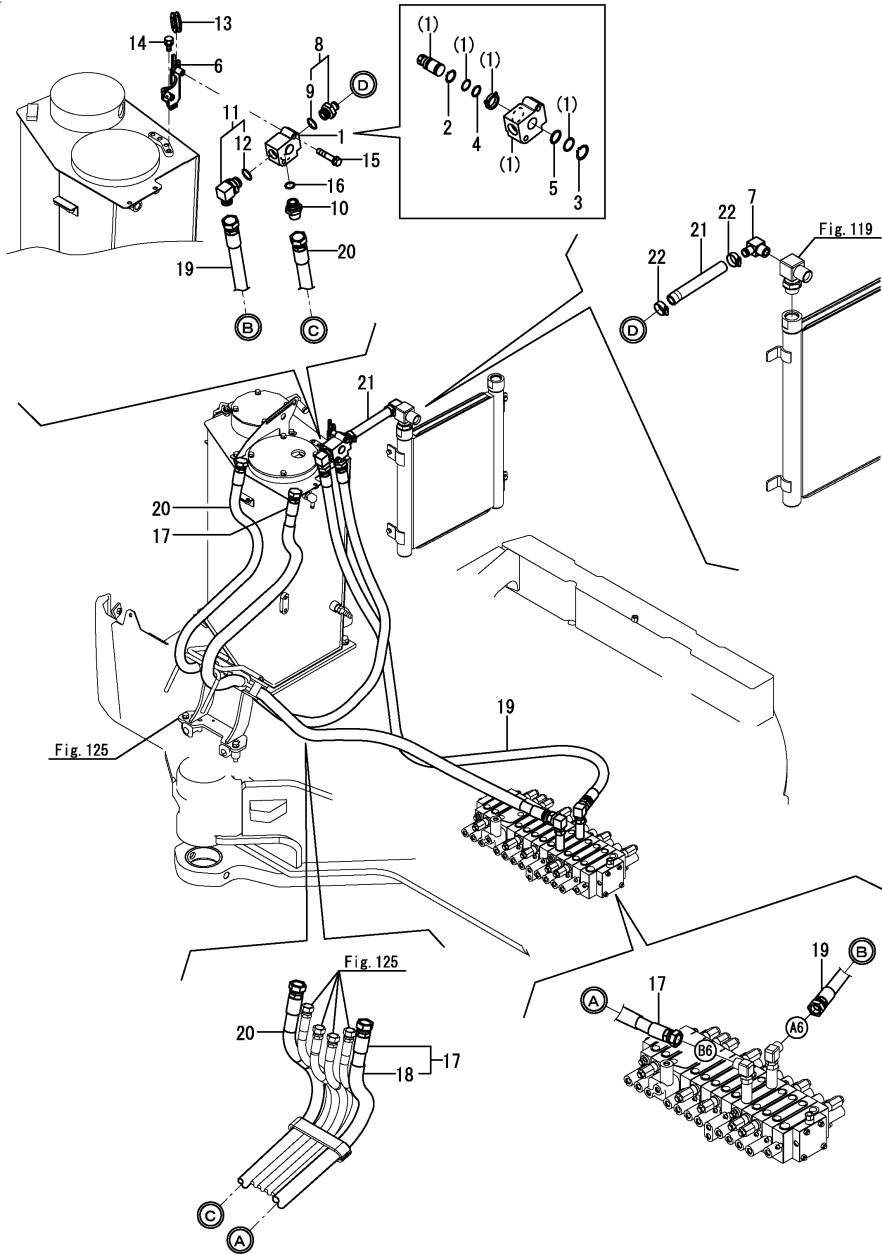


(A)=VIO80-1A C(US)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE	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	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	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, SPRING M10X 50	2							
17	1	26013-100552	BOLT, SPRING M10X 55	4							
18	1	26013-120402	BOLT, SPRING M12X 40	2							
19	1	172A89-72270-N	TUBE, BOOM	1							
20	1	172142-76950-N	CLAMP	1							
21	1	172A69-77240	PLATE,CLAMP H	1							
22	1	22137-100000	WASHER, 10	1							
23	1	26013-080202	BOLT, SPRING M8X 20	1							
24	1	26013-100402	BOLT, SPRING M10X 40	1							
25	1	172444-17660	CLIP, TREE	10							
26	1	172A69-72680	CLAMP ASSY, HOSE	2							
27	1	172187-78100	RUBBER	2							
28	1	172A69-78280	HOSE	1							
29	1	26013-100162	BOLT, SPRING M10X 16	2							
30	1	172A89-78550	HOSE H108BB095K	1							
31	1	172A89-78570	HOSE H108BB070W	2							
32	1	172A69-78680	COVER, HOSE	1							
33	1	172A69-79890	CLIP, HOSE	2							
34	1	172499-78210	HOSE	2							1

Remarks
(1)Long arm specification.



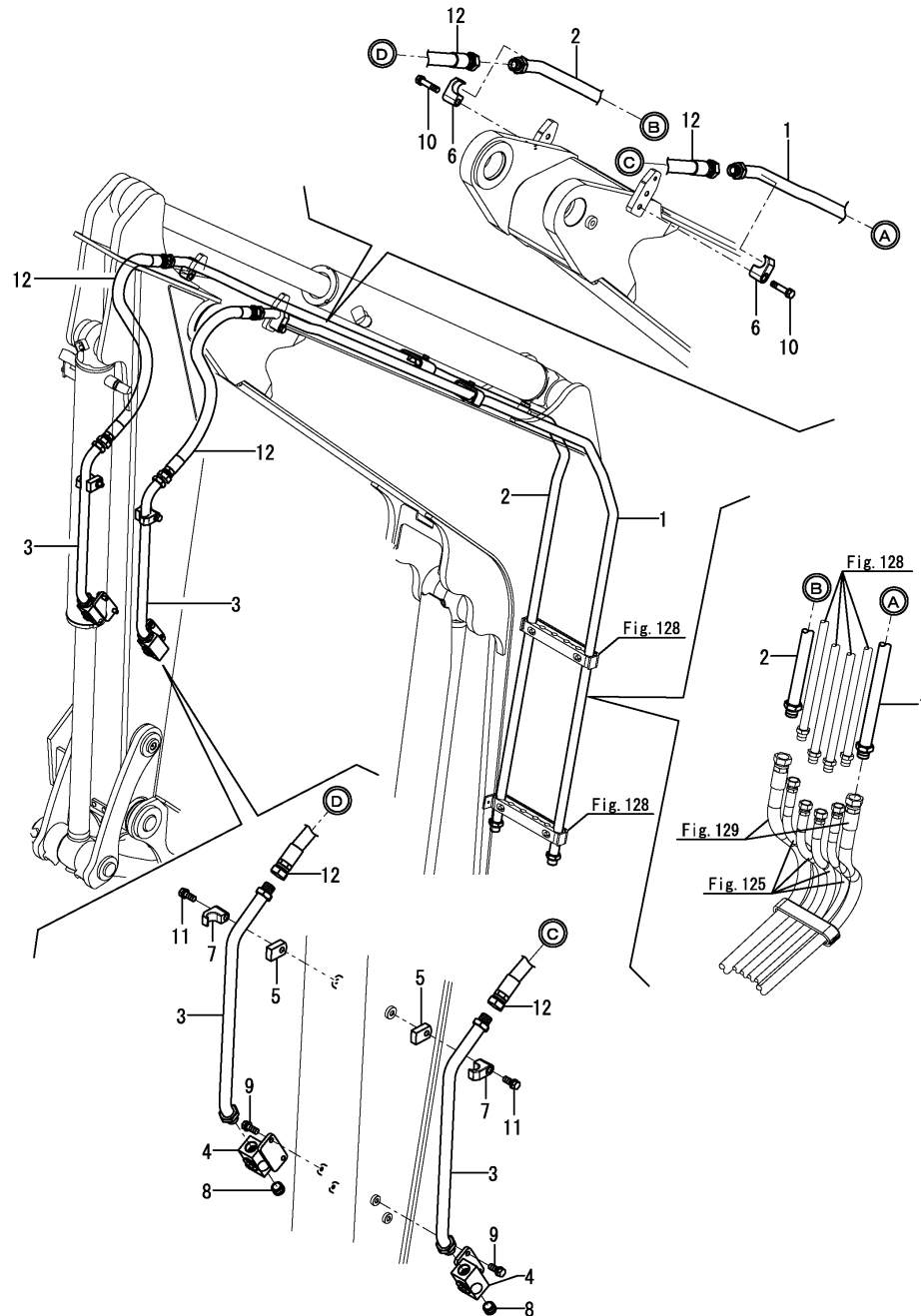
(A)=VIO80-1A C(US)
(B)=
(C)=

(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, VALVE	1							
7	1	172467-76120	ELBOW	1							
8	1	172524-76210	NIPPLE, HOSE 3/4	1							
9	2	24315-000240	O-RING, 1BP24.0	1							
10	1	172142-76240	JOINT	1							
11	1	172165-76380	CONNECTOR ASSY	1							
12	2	24315-000240	O-RING, 1BP24.0	1							
13	1	172422-78760	GROMMET	1							
14	1	26013-100162	BOLT, M10X 16	2							
15	1	26013-100502	BOLT, M10X 50	2							
16	1	41851-000240	O-RING	1							
17	1	172A89-78400	HOSE G112BB259K	1							
18	2	172175-78720	SPONGE, HOSE 330	1							
19	1	172A89-78410	HOSE G112BB205K	1							
20	1	172A89-78420	HOSE G112BB304K	1							
21	1	172B11-78490	HOSE, G812YY020	1							
22	1	23001-025000	CLAMP, HOSE 25	2							

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

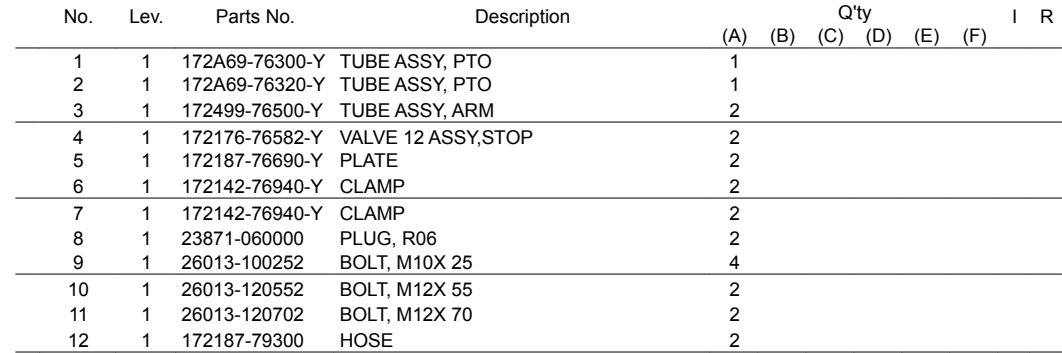
Fig.130. P.T.O.(ARM END)

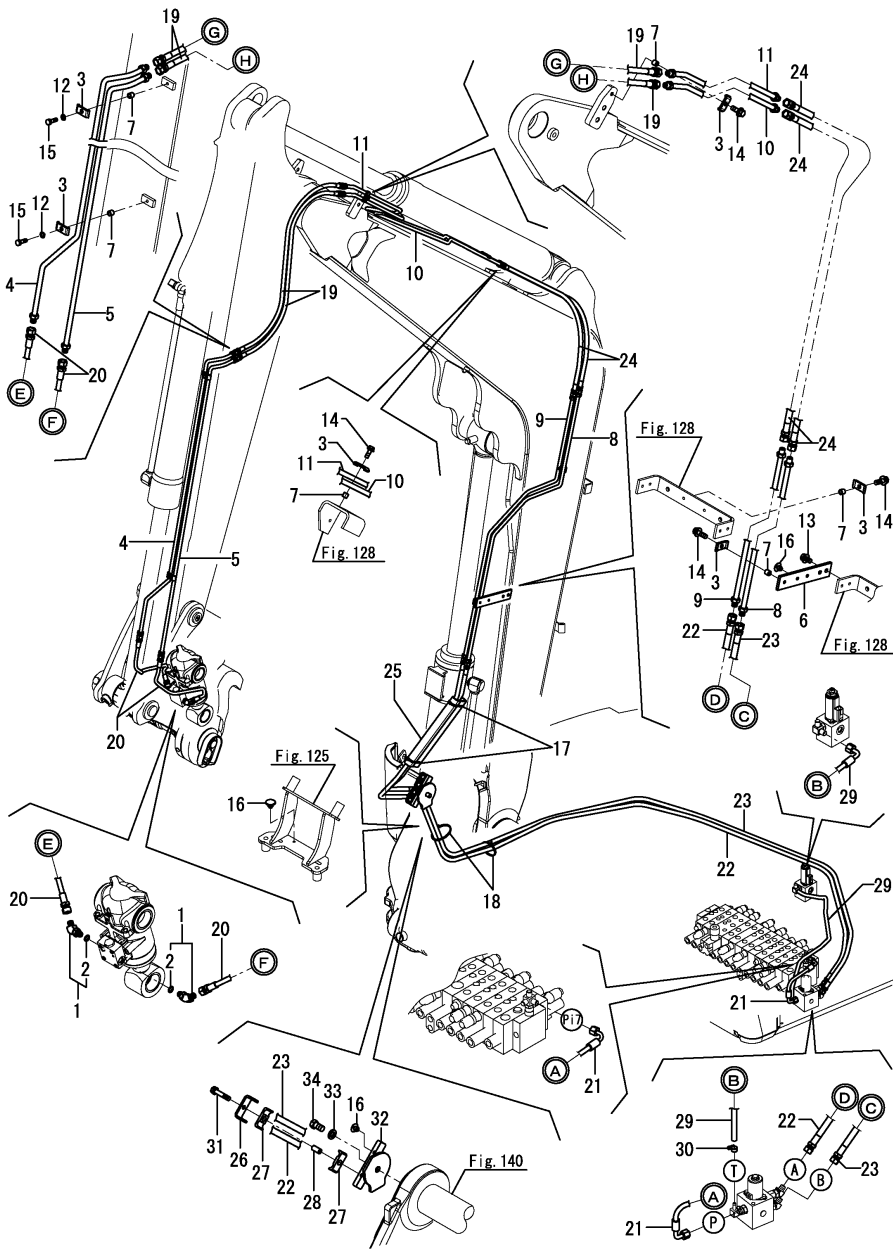


				(A)=VIO80-1A C(US)				(D)=			
				(B)=				(E)=			
				(C)=				(F)=			
No.	Lev.	Parts No.	Description			Q'ty				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A69-76300-Y	TUBE ASSY, PTO	1							
2	1	172A69-76320-Y	TUBE ASSY, PTO	1							
3	1	172187-76570-Y	TUBE, 3RD	2							
4	1	172176-76582-Y	VALVE 12 ASSY,STOP	2							
5	1	172187-76690-Y	PLATE	2							
6	1	172142-76940-Y	CLAMP	2							
7	1	172142-76940-Y	CLAMP	2							
8	1	23871-060000	PLUG, R06	2							
9	1	26013-100252	BOLT, M10X 25	4							
10	1	26013-120552	BOLT, M12X 55	2							
11	1	26013-120702	BOLT, M12X 70	2							
12	1	172187-79250	HOSE	2							

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

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





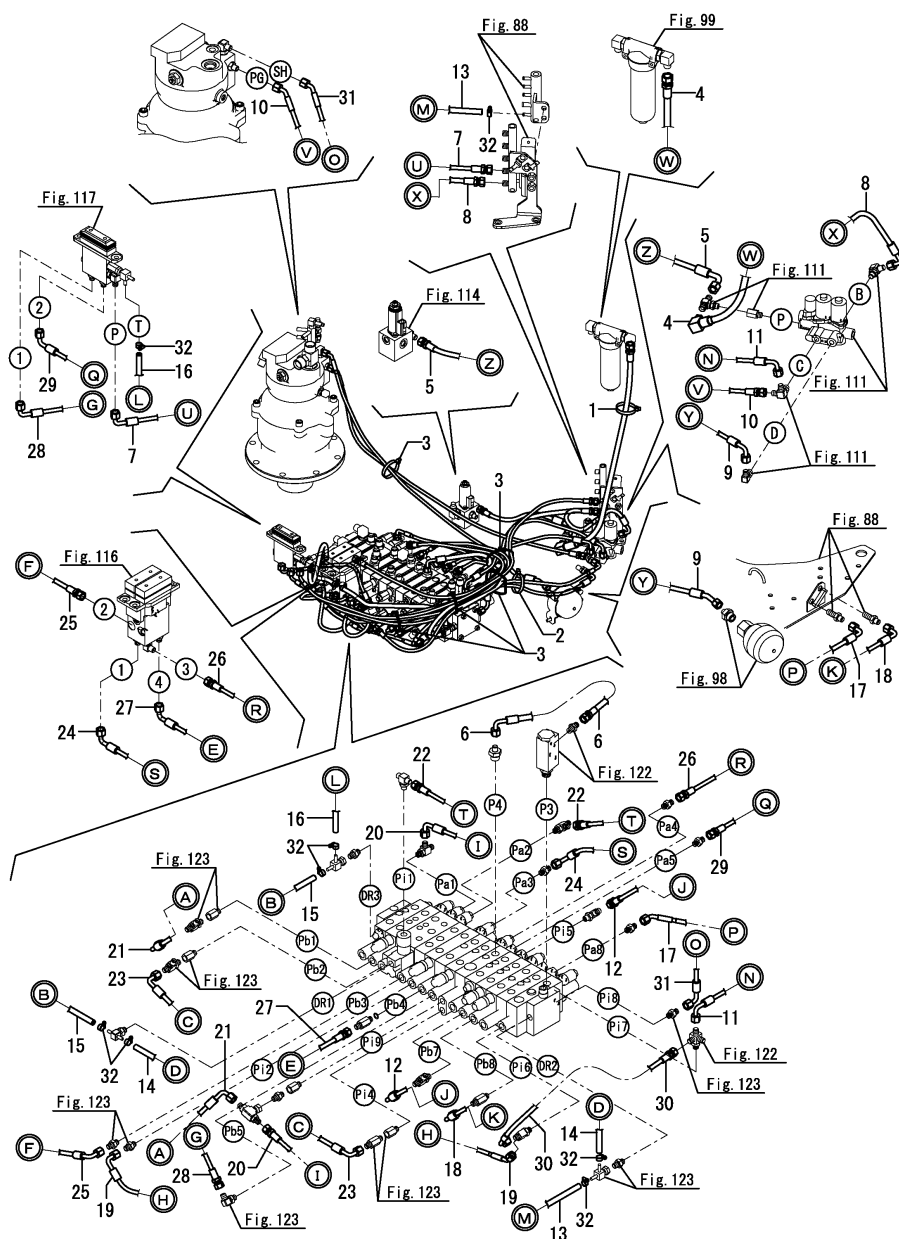
(A)=VIO80-1A C(US)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172978-76100	ELBOW	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	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	4							
16-1	1	172B11-76900	CLIP, TREE 8	4							N
(A="2015.07.")											
17	1	172126-11510	BAND	2							
18	1	194202-56460	BAND, 200	2							
19	1	172978-78111	HOSE	2							
20	1	172958-78120	HOSE	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, 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, SPRING 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.122 & 123.

Fig.133. CONTROL PIPING(CONTROL VALVE - SOLENOID VALVE)



* Fitting(control valve) is shown in Fig.122 & 123.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-16560	BAND	1							
2	1	172137-16560	BAND	1							
3	1	194202-56460	BAND, 200	5							
4	1	172B11-78191	HOSE, H606BV077	1							
5	1	172B11-78261	HOSE, H604BC031S	1							
6	1	172A69-78370	HOSE	1							
7	1	172A69-78860	HOSE	1							
8	1	172B11-78870	HOSE, H604BC042	1							
9	1	172B11-78881	HOSE, H603CB058	1							
10	1	172A69-78890	HOSE	1							
11	1	172A69-78910	HOSE	1							
12	1	172A69-78920	HOSE	1							
13	1	172A69-78930	HOSE	1							
14	1	172A69-78940	HOSE	1							
15	1	172A69-78950	HOSE	1							
16	1	172A69-78960	HOSE	1							
17	1	172A69-78980	HOSE	1							
18	1	172A69-78990	HOSE	1							
19	1	172A69-79400	HOSE	1							
20	1	172A69-79410	HOSE	1							
21	1	172A69-79420	HOSE	1							
22	1	172A69-79430	HOSE	1							
23	1	172A69-79440	HOSE	1							
24	1	172A69-79450	HOSE	1							
25	1	172A69-79460	HOSE	1							
26	1	172A69-79470	HOSE	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	1							
31	1	172A69-79530	HOSE	1							
32	1	23000-013000	CLAMP, 13	8							

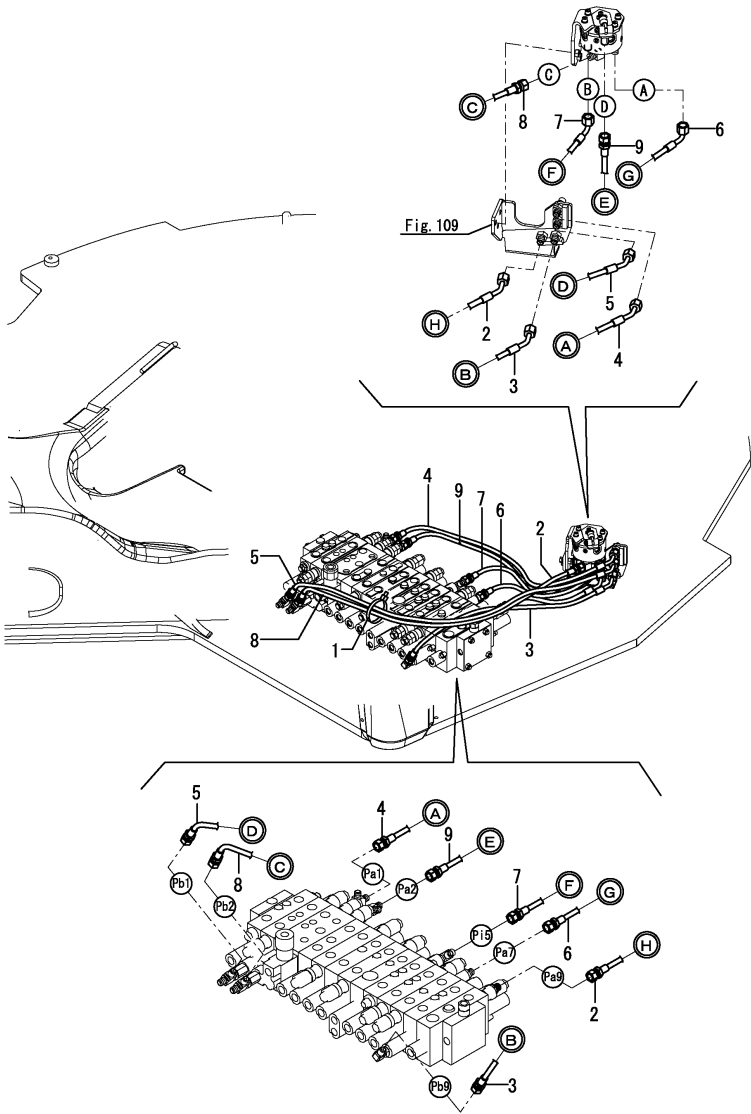
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Fig.134. CONTROL PIPING(CONTROL VALVE - 2-WAY VALVE)

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

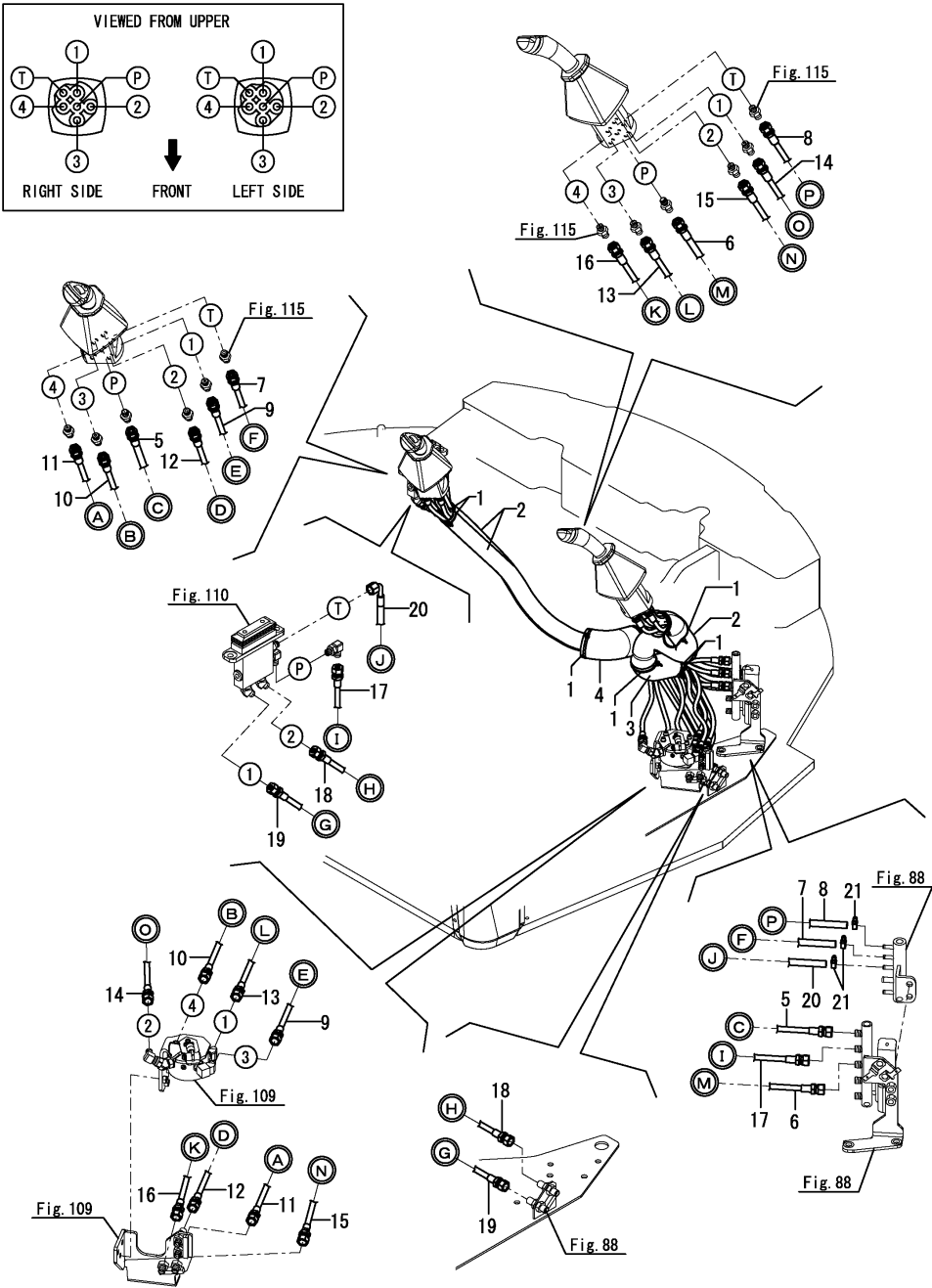
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, 200	1							
2	1	172A69-79800	HOSE H603BE030	1							
3	1	172A69-79810	HOSE F403BE075	1							
4	1	172A69-79820	HOSE F403BE079	1							
5	1	172A69-79830	HOSE F403BE112	1							
6	1	172A69-79840	HOSE F403BC040	1							
7	1	172A69-79850	HOSE F403BC082	1							
8	1	172A69-79860	HOSE F403BB081	1							
9	1	172A69-79870	HOSE F403BB071	1							



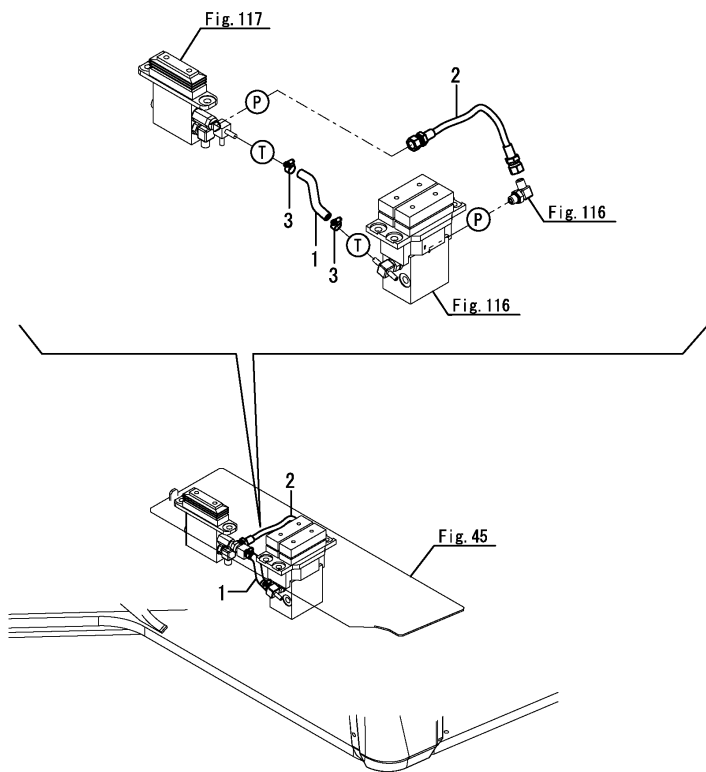
Remarks
* Fitting(control valve) is shown in Fig.122 & 123.

Fig.135. CONTROL PIPING(2-WAY VALVE - REMOTE CONTROL VALVE)



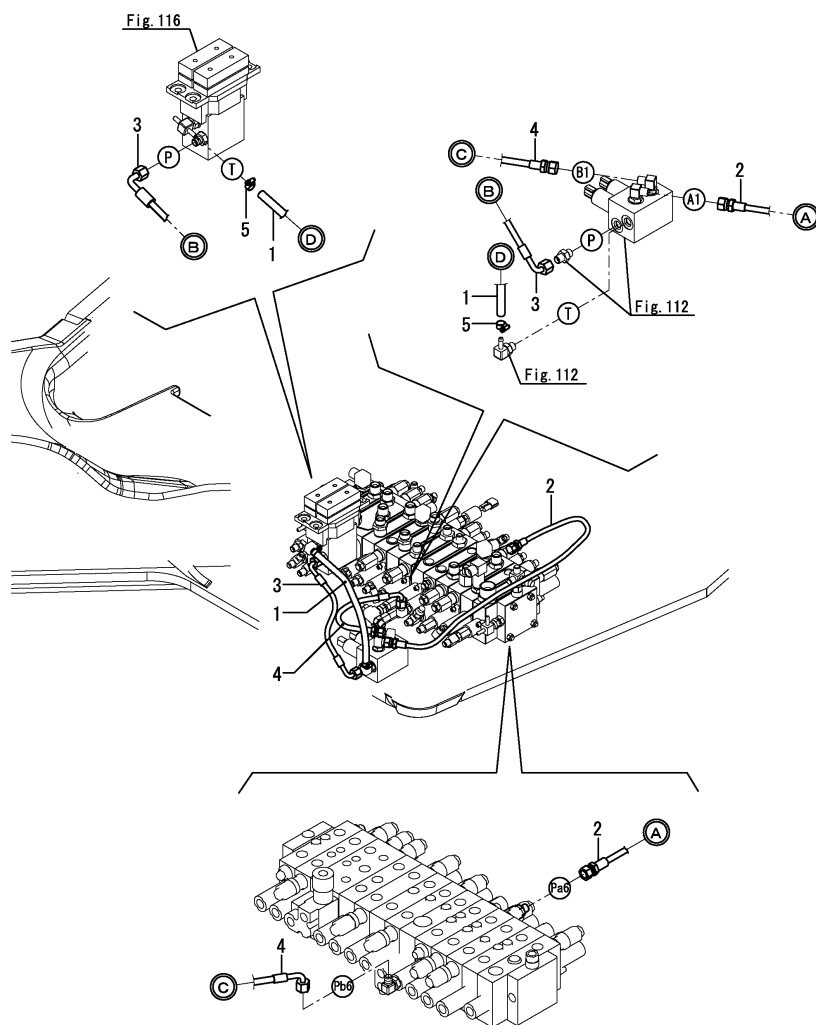
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	12							
2	1	172A69-78630	COVER, HOSE	3							
3	1	172A69-78650	SPONGE, HOSE	1							
4	1	172A69-78660	SPONGE, HOSE	1							
5	1	172A69-78700	HOSE	1							
6	1	172A69-78711	HOSE	1							
7	1	172A69-78720	HOSE	1							
8	1	172A69-78731	HOSE	1							
9	1	172A69-78740	HOSE	1							
10	1	172A69-78750	HOSE	1							
11	1	172A69-78760	HOSE	1							
12	1	172A69-78770	HOSE	1							
13	1	172A69-78781	HOSE	1							
14	1	172A69-78791	HOSE	1							
15	1	172A69-78801	HOSE	1							
16	1	172A69-78811	HOSE	1							
17	1	172A69-78820	HOSE	1							
18	1	172A69-78830	HOSE	1							
19	1	172A69-78840	HOSE	1							
20	1	172A69-78850	HOSE	1							
21	1	23000-013000	CLAMP, 13	3							

Fig.136. CONTROL PIPING(TRAVEL & SWING PEDAL)



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

Fig.137. CONTROL PIPING(P.T.O.)



				(A)=VIO80-1A C(US)	(D)=								
				(B)=	(E)=								
				(C)=	(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									

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

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(US)
(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	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							

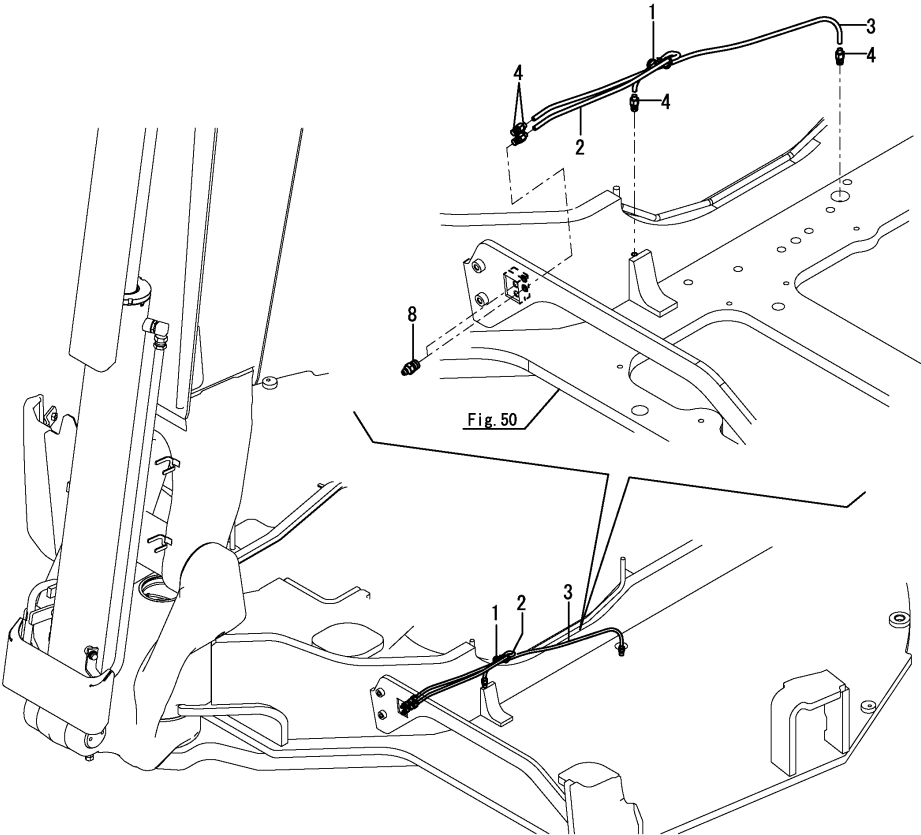
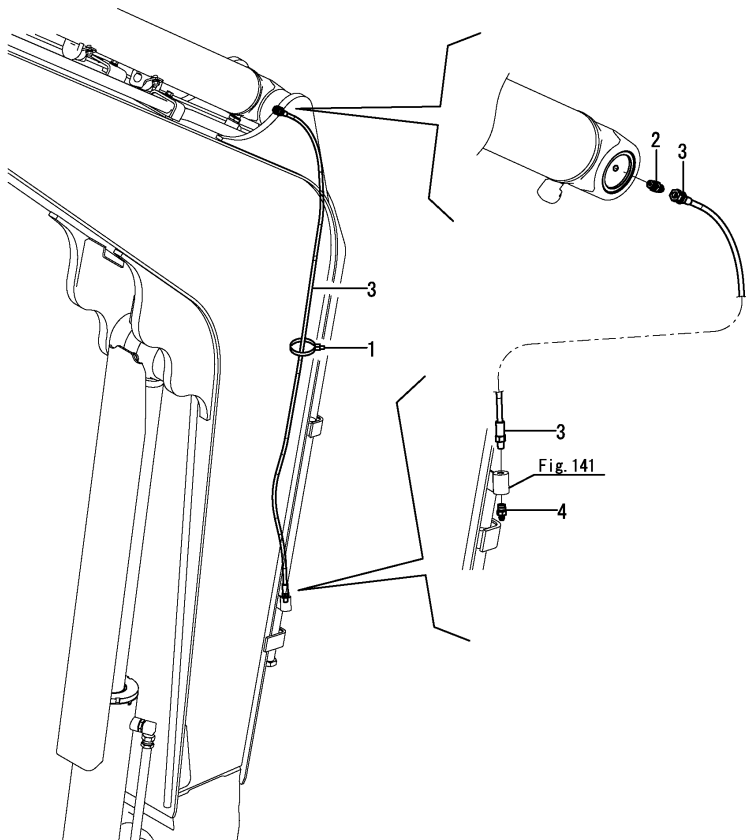
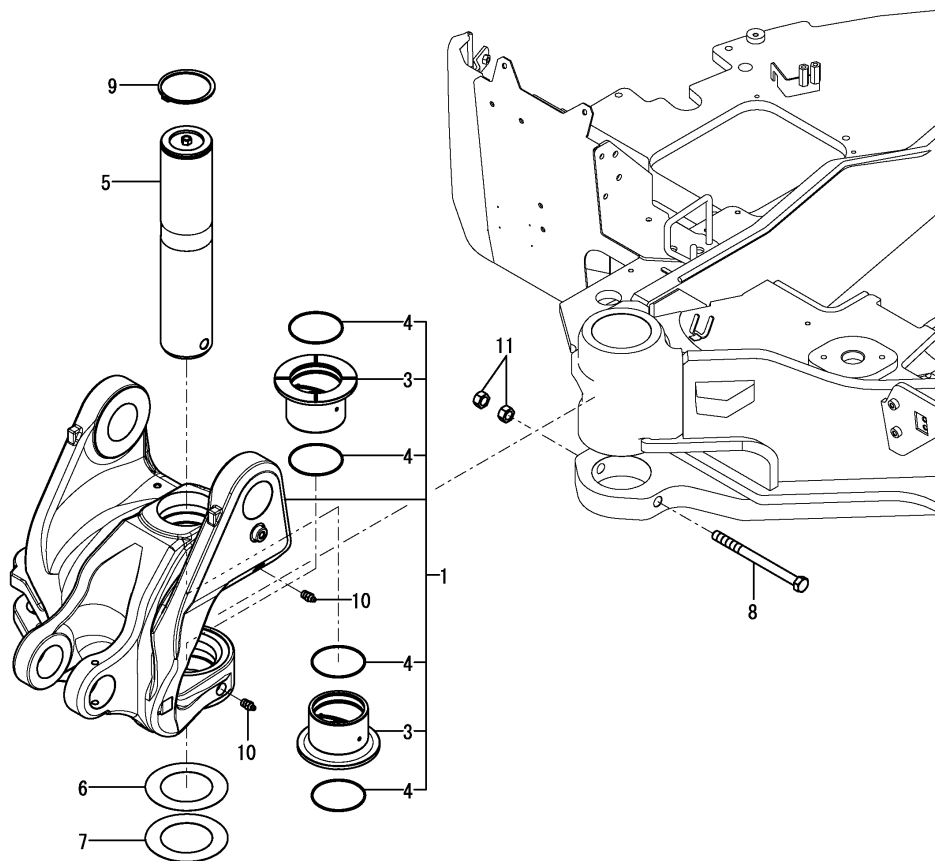


Fig.139. GREASING(BOOM)



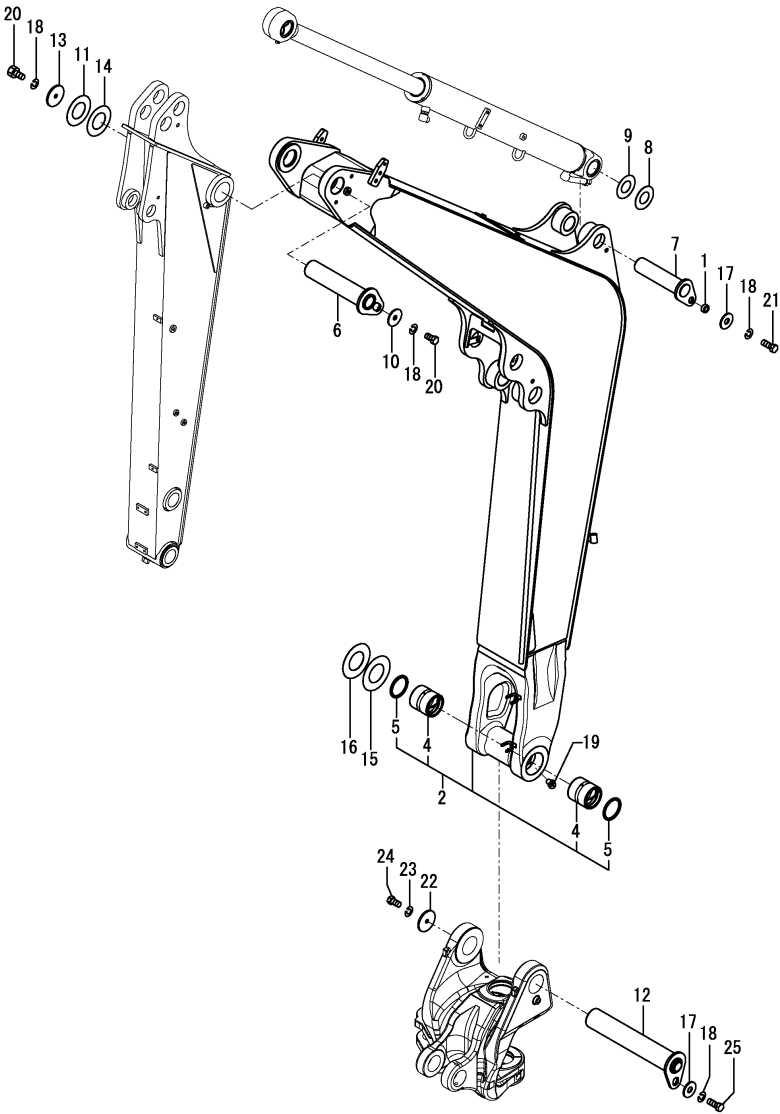
No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
1	1	194202-56460	BAND, 200			1					
2	1	172112-77580	JOINT, 1/8			1					
3	1	172A89-77820	HOSE P202AF145			1					
4	1	24761-020000	NIPPLE, GREASE PT1/8			1					



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	1							
6	1	172187-82400	SHIM	1							
7	1	172187-82410	SHIM	1							
8	1	172187-82420	BOLT	1							
9	1	22242-001000	RING, 100	1							
10	1	24761-020000	NIPPLE, GREASE PT1/8	2							
11	1	26716-180002	NUT, M18	2							

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

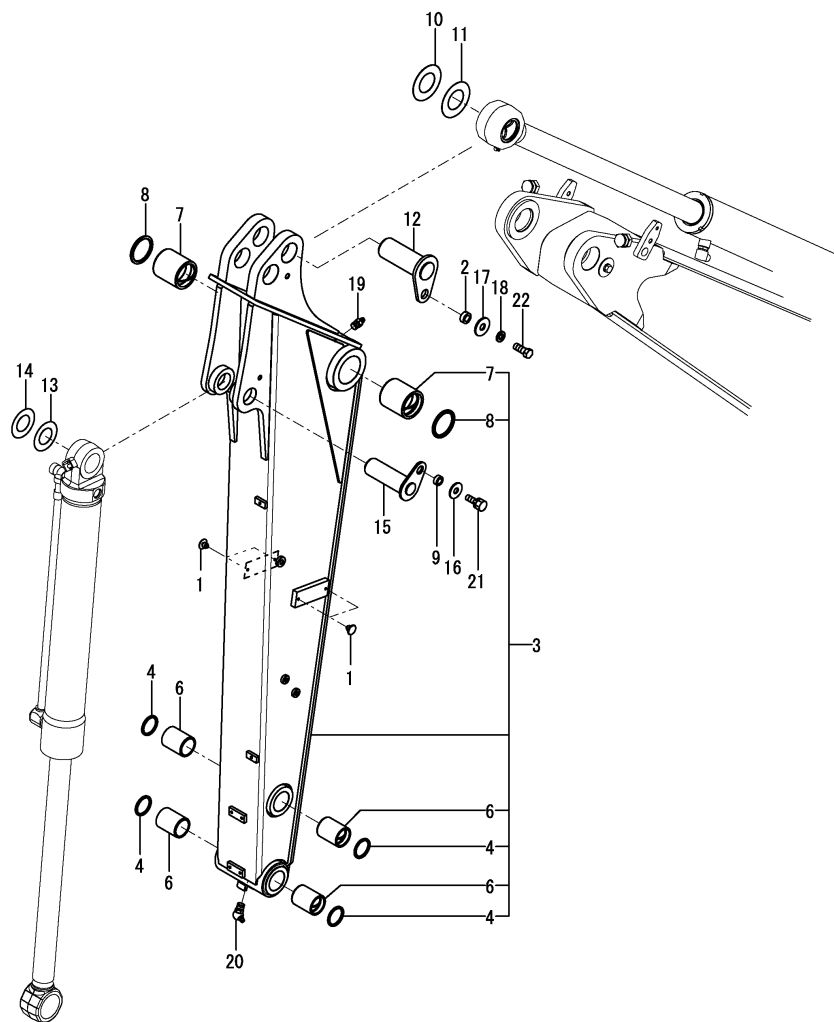
(D)=
(E)=
(F)=



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							1
4	2	172A52-81352	BUSH	2							
5	2	172162-81430	SEAL, DUST	2							
5A	1	172187-03941	LABEL, BOOM US	2							2
6	1	172499-81751	PIN ASSY,70X315	1							
7	1	172187-81840	PIN ASSY	1							
8	1	172499-81850	SHIM	1							
9	1	172499-81860	SHIM	1							
10	1	172187-81970	WASHER	1							
11	1	172445-81990	SHIM	1							
12	1	172187-82340	PIN ASSY	1							
13	1	172187-82430	WASHER	1							
14	1	172162-83580	SHIM	1							
15	1	172162-83600	SHIM	1							
16	1	172162-83610	SHIM	1							
17	1	22157-140000	WASHER, 14	2							
18	1	22217-140000	WASHER, SPRING 14	4							
19	1	24761-040000	NIPPLE, GREASE B	2							
20	1	26116-140252	BOLT, M14X 25 PLATED	2							
21	1	26116-140352	BOLT, M14X 35 PLATED	1							
22	1	172187-82430	WASHER	1							3
23	1	22217-140000	WASHER, SPRING 14	1							3
24	1	26116-140252	BOLT, M14X 25 PLATED	1							3
25	1	26116-140252	BOLT, M14X 25 PLATED	1							

Remarks
(1)Attach the No.5A label to this part.
(2)Not illustrated.
(3)Not applied for quick coupler specification.

Fig.142. ARM



(1) Attach the No.8A & 8B label to this part.
(2) Not illustrated.

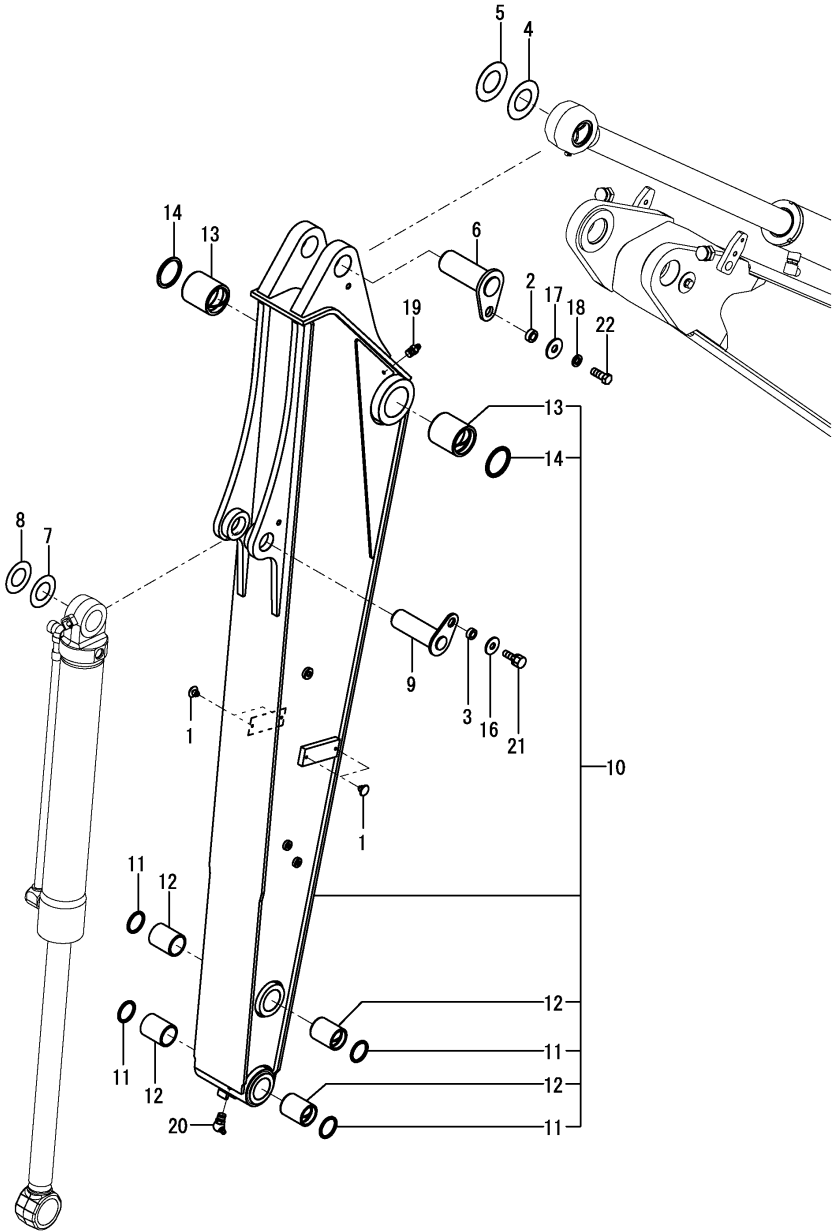
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE	4							
2	1	172155-45790	SPACER	1							
3	1	172A89-81470-Y	ARM, 1650	1							1
4	2	172448-54120	SEAL, DUST	4							
6	2	172187-81710	BUSH	4							
7	2	172162-82280	BUSH	2							
8	2	172162-82350	SEAL, DUST	2							
8A	1	172472-03261	LABEL, FINGER	1							2
8B	1	172472-03330	LABEL, LOCK PIN	1							2
9	1	172164-81670	SPACER	1							
10	1	172175-81700	SHIM	1							
11	1	172175-81710	SHIM	1							
12	1	172187-81861	PIN	1							
13	1	172165-82520	SHIM	1							
14	1	172165-82530	SHIM	1							
15	1	172458-83650	PIN ASSY	1							
16	1	22157-120000	WASHER, 12	1							
17	1	22157-140000	WASHER, 14	1							
18	1	22217-140000	WASHER, SPRING 14	1							
19	1	24761-020000	NIPPLE, GREASE PT1/8	1							
20	1	24761-040000	NIPPLE, GREASE B	1							
21	1	26013-120302	BOLT, M12X 30	1							
22	1	26116-140352	BOLT, M14X 35 PLATED	1							

OCK50-M00260 IMPLEMENT
Fig.143. ARM(LONG ARM SPEC.)

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

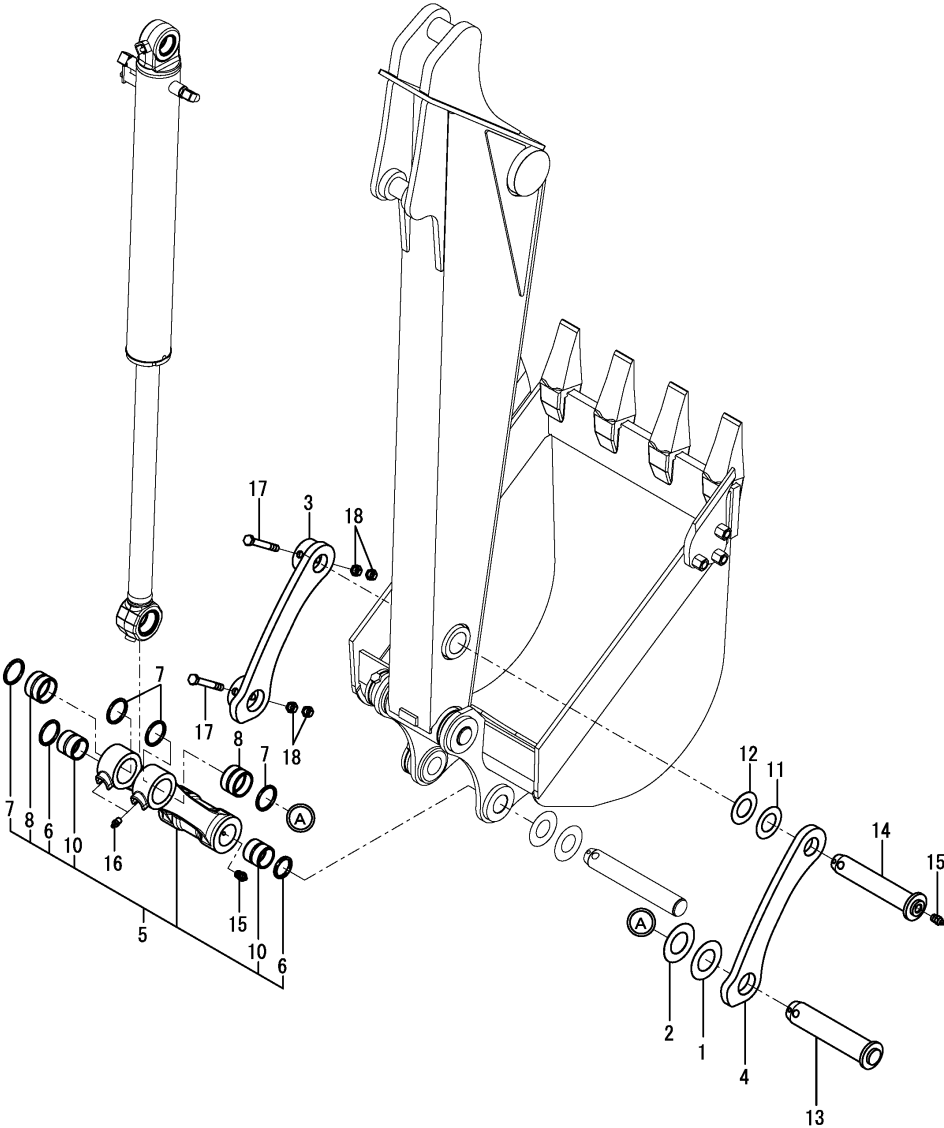
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE	4							
2	1	172155-45790	SPACER	1							
3	1	172164-81670	SPACER	1							
4	1	172175-81700	SHIM	1							
5	1	172175-81710	SHIM	1							
6	1	172187-81861	PIN	1							
7	1	172165-82520	SHIM	1							
8	1	172165-82530	SHIM	1							
9	1	172458-83650	PIN ASSY	1							
10	1	172B11-83690	ARM ASSY, 2000	1							
11	2	172448-54120	SEAL, DUST	4							
12	2	172187-81710	BUSH	4							
13	2	172162-82280	BUSH	2							
14	2	172162-82350	SEAL, DUST	2							
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(US)
(B)=
(C)=

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

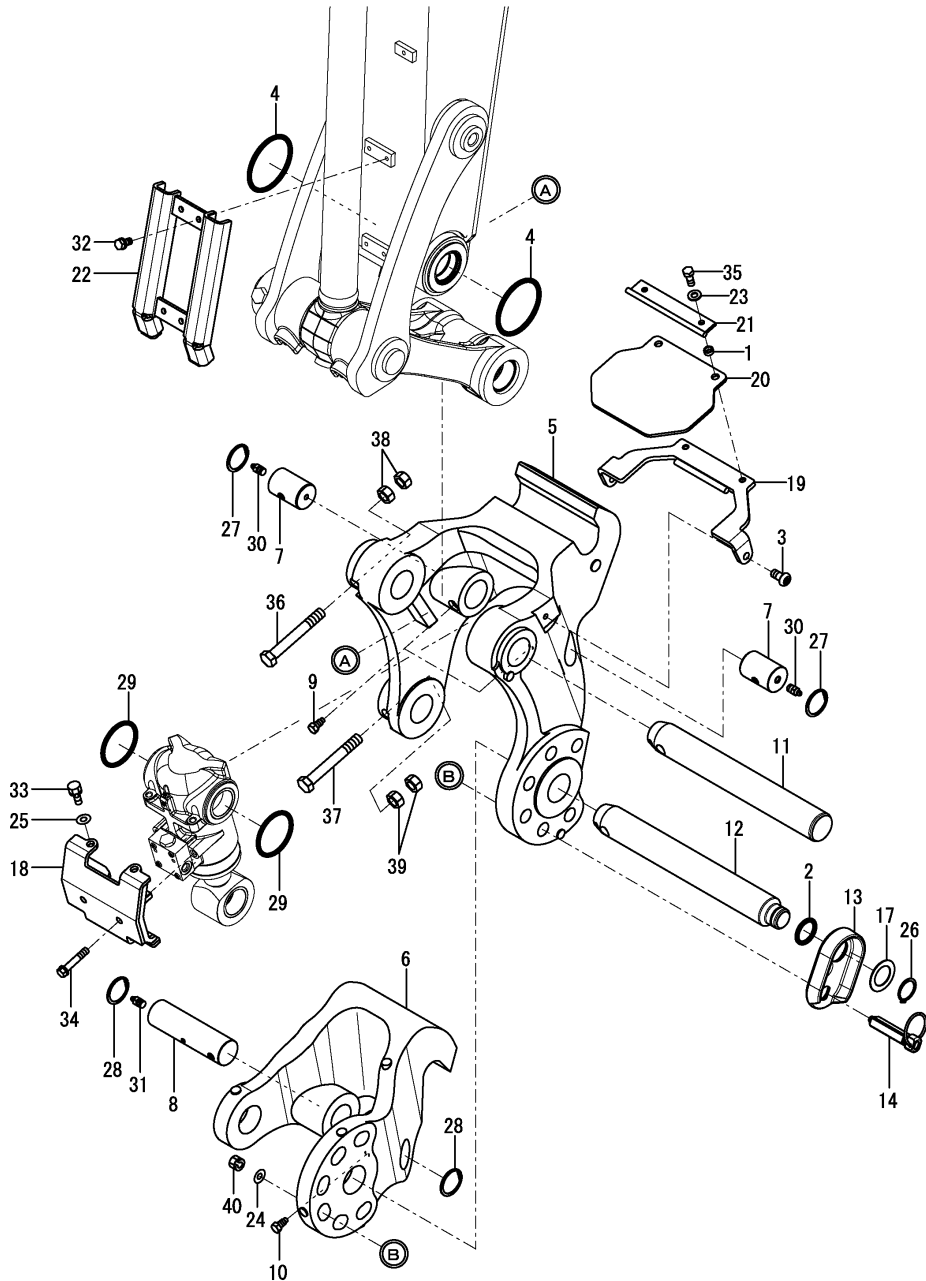


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172175-81700	SHIM	1							
2	1	172175-81710	SHIM	1							
3	1	172455-82380-Y	ARM, BUCKET	1							
4	1	172455-82391-Y	ARM, BUCKET	1							
5	1	172499-82400-Y	LINK, BUCKET	1							
6	2	172448-54120	SEAL, DUST	2							
7	2	172168-54760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

OCK50-M00260 IMPLEMENT
Fig.145. QUICK COUPLER

(A)=VIO80-1A C(US)
(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	1							
3	1	172455-61720	BOLT	2							
4	1	172162-82360	O-RING	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	2							
10	1	172978-83140	BOLT	1							
11	1	172978-83150	PIN 50X345	1							
12	1	172978-83161	PIN 50X373	1							
13	1	172978-83170-Y	PLATE, LOCK	1							
14	1	172978-83191	PIN, LOCK	1							
17	1	172960-83210	COLLAR	1							
18	1	172978-83221-Y	COVER, HITCH	1							
19	1	172978-83270-Y	GUARD ASSY	1							
20	1	172978-83292	PLATE, RUBBER	1							
21	1	172978-83300-Y	PLATE	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(US)
(B)=
(C)=

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

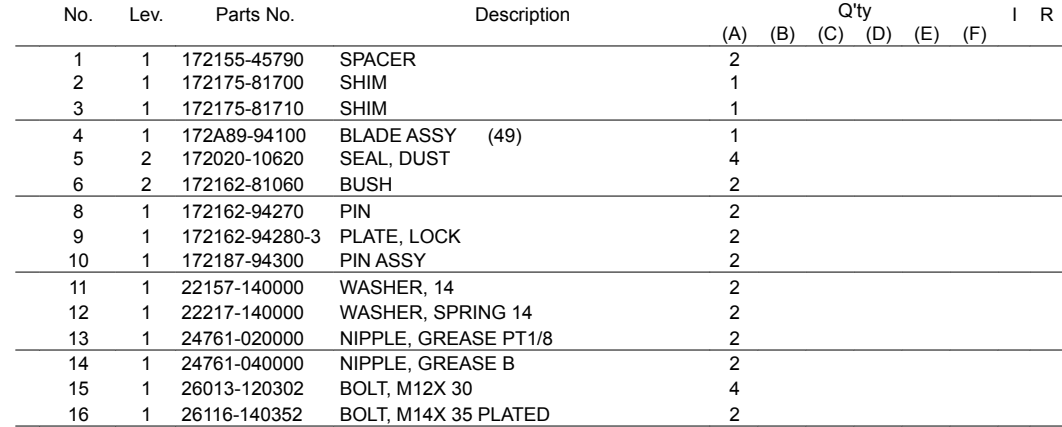
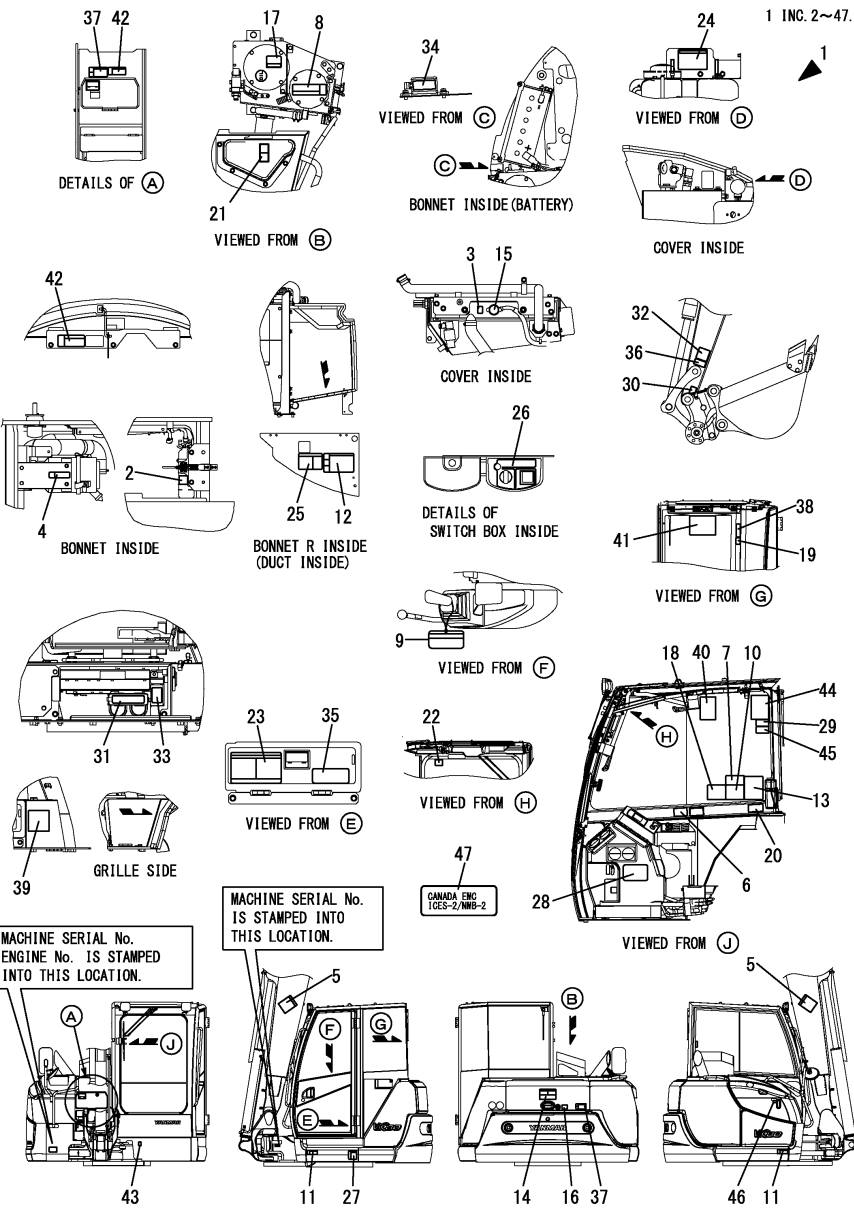


Fig.147. LABEL(OPTIONAL)(CA)



Remarks
* The label except mention is the same as US specification.
* DPF: DPF stands for DIESEL PARTICULATE FILTER.

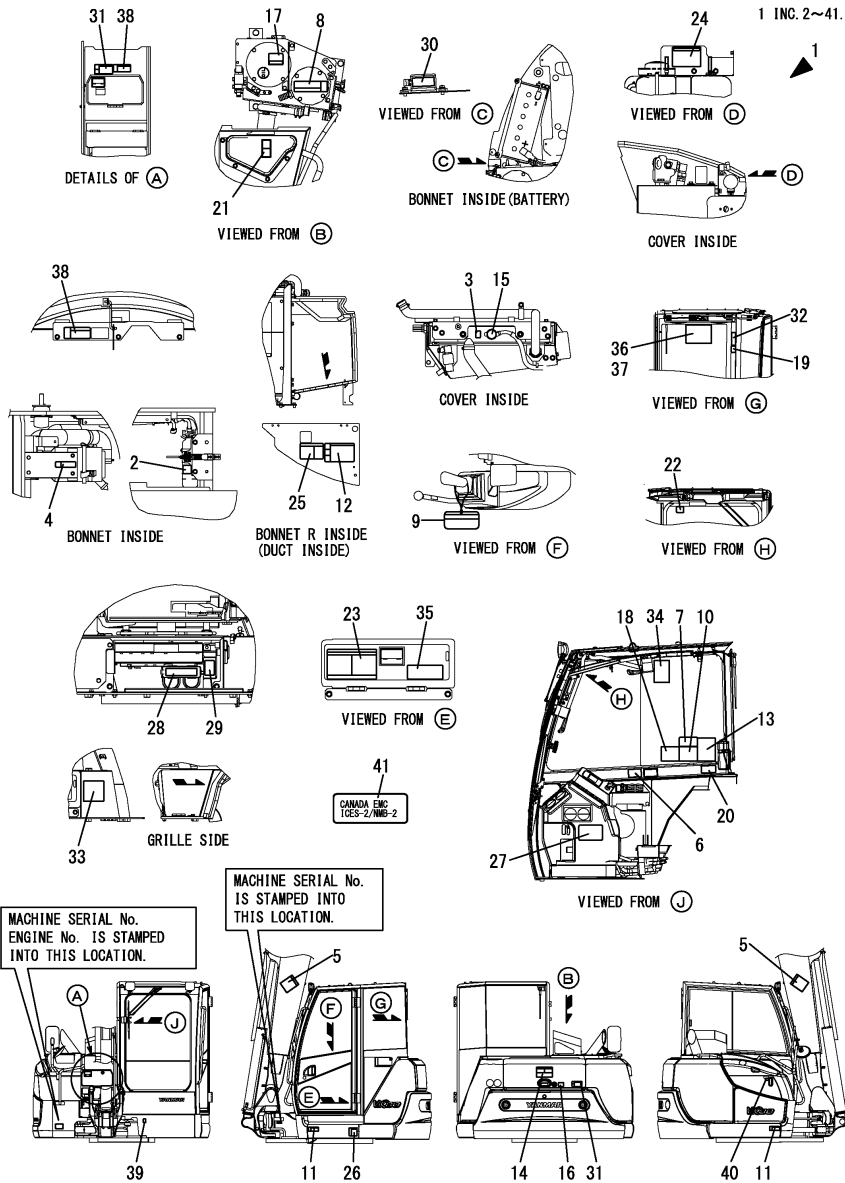
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-03070	LABEL KIT,CA T4	1							
2	2	172A37-03150	LABEL,SUB-TANK CA	1							
3	2	172A37-03160	LABEL,ANTI-FREEZE CA	1							
4	2	172A37-03180	LABEL J, AIR CLEANER	1							
5	2	172A37-03200	LABEL,BOOM CA	2							
6	2	172A37-03231	LABEL,MANUAL CA.	1							
7	2	172A37-03241	LABEL,SLOPE CA.	1							
8	2	172A37-03250	LABEL,RESERVOIR CA	1							
9	2	172469-03261	TAG ASSY, SERVICING	1							
10	2	172A37-03271	LABEL,TRANSPORT CA.	1							
11	2	172A37-03280	LABEL,GREASE CYL CA	2							
12	2	172A37-03290	LABEL,BATTERY CA	1							
13	2	172A37-03300	LABEL,NEWTRAL CA	1							
14	2	172A37-03310	LABEL,SWING AREA CA	1							
15	2	172469-03320	LABEL,RADIATOR CAP	1							
16	2	172A37-03330	LABEL,ENGINE COVER	2							
17	2	172469-03360	LABEL,OIL	1							
18	2	172A37-03360	LABEL,STERRING CA	1							
19	2	172A37-03370	LABEL,ROPS CA	1							
20	2	172A37-03400	LABEL,LEVER LOCK CA	1							
21	2	172A37-03410	LABEL,RADIATOR CA	1							
22	2	172A37-03420	LABEL,WINDOW CA	1							
23	2	172A37-03430	LABEL,2 WAY CA	1							
24	2	172A69-03430	LABEL,GREASING CA	1							
25	2	172A69-03450	LABEL,BATTERY COVER	1							
26	2	172469-03480	LABEL,SWITCH	1							
27	2	172A37-03500	LABEL,SUPPORT CA	1							
28	2	172B11-03510	LABEL, FEED CA T4	1							
29	2	172A37-03520	LABEL,PIN CA	1							
30	2	172A37-03530	LABEL,FINGER CA	1							
31	2	172B11-03530	LABEL,RELAY BOX CA	1							
32	2	172469-03540	LABEL,OPERATION PIN	1							
33	2	172B11-03550	LABEL,FUSE BOX CA T4	1							
34	2	172B11-03570	LABEL,LF CA	1							
35	2	172B11-03580	LABEL, SPEC CA T4	1							
36	2	172A37-03680	LABEL,LOCK PIN CA	1							
37	2	172A37-03710	LABEL,ENGROOM CA	2							
38	2	172A37-03720	LABEL,SEAT BELT CA	1							
39	2	172A37-03760	LAVEL,ADJUST CRAWLER	1							
40	2	172B04-03860	LABEL, DPF CA	1							
41	2	172B11-03870	LABEL, LIFT Q CA	1							
42	2	172B03-04530	LABEL,SILENCER CA	2							
43	2	172B03-04580	LABEL, GREASE CA	1							
44	2	172B03-04600	LABEL,WARNING HITCH	1							
45	2	172B03-04610	LABEL,SAND CA	1							
46	2	129942-07761	LABEL, FUEL OIL CAUT	1							
47	2	172B03-03230	LABEL,EMC	1							W

(A=**2016.10.)

Fig.148. LABEL(OPTIONAL)(CA)(WITHOUT QUICK COUPLER SPEC.)

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

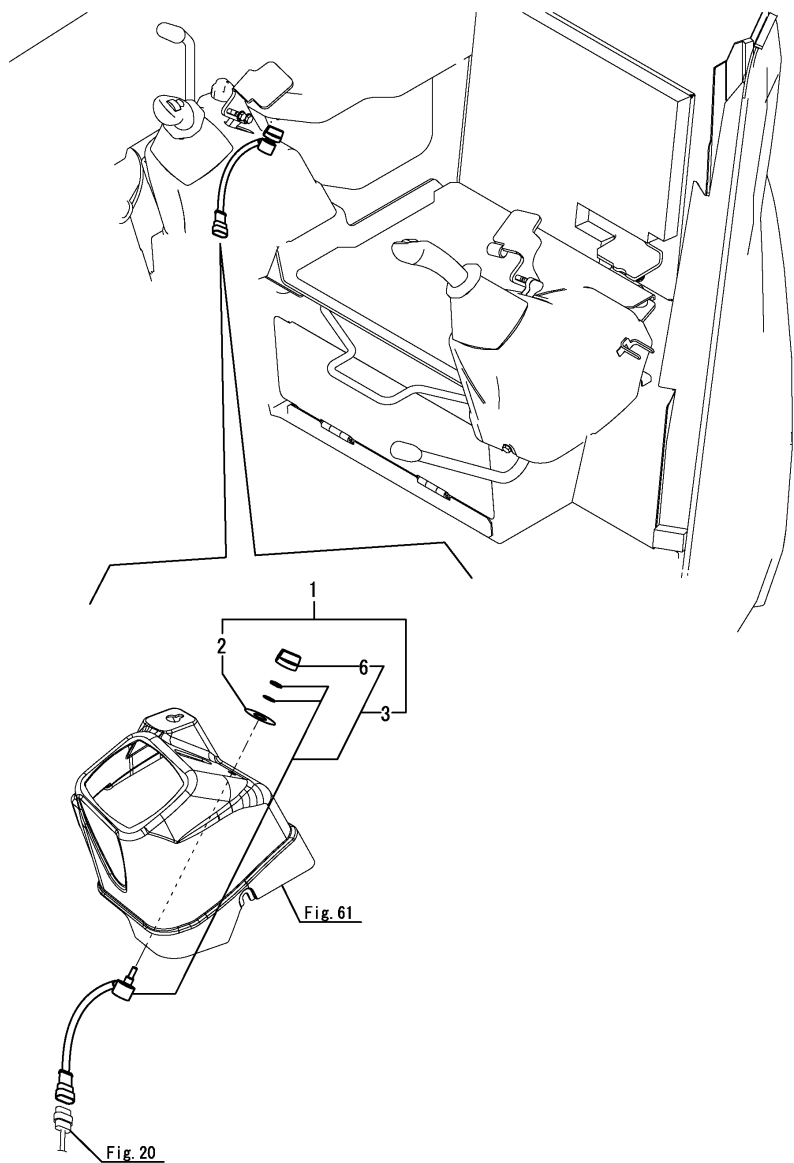
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-03080	LABEL KIT,CA T4	1							
2	2	172A37-03150	LABEL,SUB-TANK CA	1							
3	2	172A37-03160	LABEL,ANTI-FREEZE CA	1							
4	2	172A37-03180	LABEL J, AIR CLEANER	1							
5	2	172A37-03200	LABEL,BOOM CA	2							
6	2	172A37-03231	LABEL,MANUAL CA.	1							
7	2	172A37-03241	LABEL,SLOPE CA.	1							
8	2	172A37-03250	LABEL,RESERVOIR CA	1							
9	2	172469-03261	TAG ASSY, SERVICING	1							
10	2	172A37-03271	LABEL,TRANSPORT CA.	1							
11	2	172A37-03280	LABEL,GREASE CYL CA	2							
12	2	172A37-03290	LABEL,BATTERY CA	1							
13	2	172A37-03300	LABEL,NEWTRAL CA	1							
14	2	172A37-03310	LABEL,SWING AREA CA	1							
15	2	172469-03320	LABEL,RADIATOR CAP	1							
16	2	172A37-03330	LABEL,ENGINE COVER	2							
17	2	172469-03360	LABEL,OIL	1							
18	2	172A37-03360	LABEL,STERRING CA	1							
19	2	172A37-03370	LABEL,ROPS CA	1							
20	2	172A37-03400	LABEL,LEVER LOCK CA	1							
21	2	172A37-03410	LABEL,RADIATOR CA	1							
22	2	172A37-03420	LABEL,WINDOW CA	1							
23	2	172A37-03430	LABEL,2 WAY CA	1							
24	2	172A69-03430	LABEL,GREASING CA	1							
25	2	172A69-03450	LABEL,BATTERY COVER	1							
26	2	172A37-03500	LABEL,SUPPORT CA	1							
27	2	172B11-03510	LABEL, FEED CA T4	1							
28	2	172B11-03530	LABEL,RELAY BOX CA	1							
29	2	172B11-03550	LABEL,FUSE BOX CA T4	1							
30	2	172B11-03570	LABEL,LF CA	1							
31	2	172A37-03710	LABEL,ENGROOM CA	2							
32	2	172A37-03720	LABEL,SEAT BELT CA	1							
33	2	172A37-03760	LABEL,ADJUST CRAWLER	1							
34	2	172B04-03860	LABEL, DPF CA	1							
35	2	172B11-03880	LABEL, SPEC CA T4	1							
35-1	2	172B11-03580	LABEL, SPEC CA T4	1							N
(A=*2016.10.)											
36	2	172B11-03900	LABEL, LIFT CA	1							
37	2	172B11-03940	LABEL, LIFT CA LONG	1							1
38	2	172B03-04530	LABEL,SILENCER CA	2							
39	2	172B03-04580	LABEL, GREASE CA	1							
40	2	129942-07761	LABEL, FUEL OIL CAUT	1							
41	2	172B03-03230	LABEL,EMC	1							W
(A=*2016.10.)											

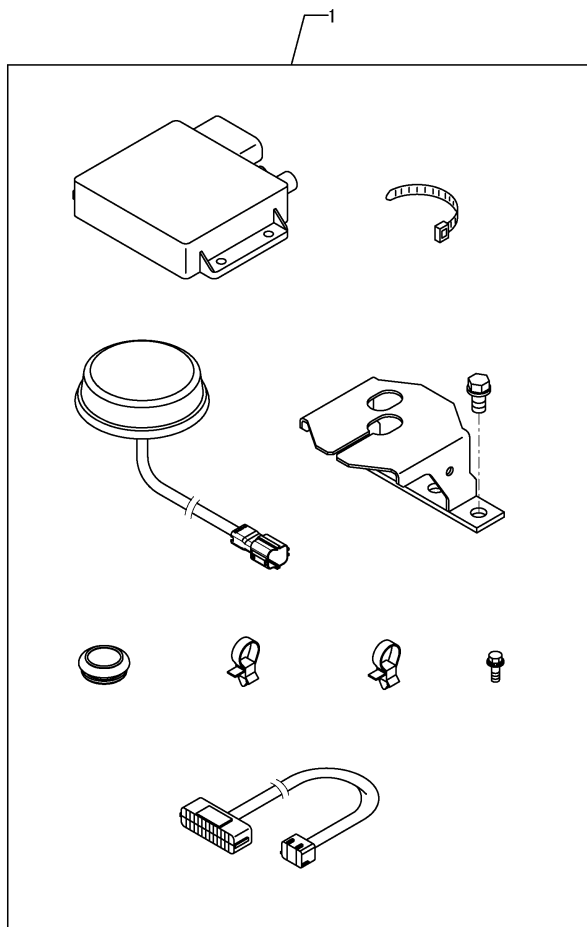
Remarks
* The label except mention is the same as US specification.
* DPF: DPF stands for DIESEL PARTICULATE FILTER.
(1)Long arm specification.

Fig.149. DIAL KIT FOR P.T.O. FLOW RATE ADJUSTMENT(OPTIONAL)



No.	Lev.	Parts No.	Description	(A)=VIO80-1A C(US)		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
1	1	172B11-08310	SENSOR KIT			1					
2	2	172B11-03420	LABEL,PROPORTIONAL			1					
3	2	172B11-17251	SENSOR ASSY, VOLUME			1					
6	3	172B11-17301	KNOB ASSY			1					

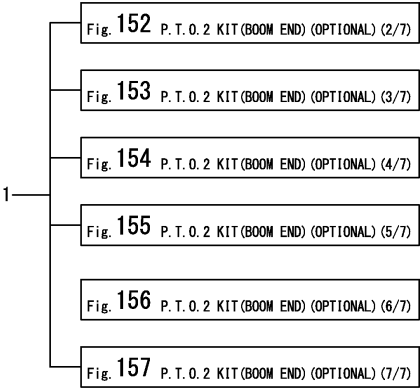
Fig.150. REMOTE CONTROLLER KIT(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172B11-08320	CONTROLLER KIT,RM	1							1

(1) Before installing, always set the unique information at an authorized dealer.
Carrier registration is required when replacing this part.
For more information, contact the service department of the dealer you purchased from.
Registration is required when replacing this part.
For more information, contact the service department of the dealer you purchased from.

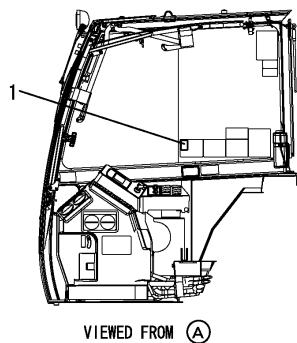
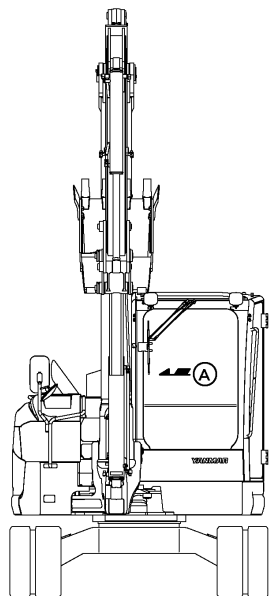
Fig.151. P.T.O.2 KIT(BOOM END)(OPTIONAL)(1/7)



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

										0CK50-M00260 Fig.151		
										(A)=VIO80-1A C(US)		
										(D)=		
										(E)=		
										(F)=		
										Q'ty		
No.	Lev.	Parts No.	Description		(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172B11-08700	PTO KIT,BOOM END 2		1							1

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

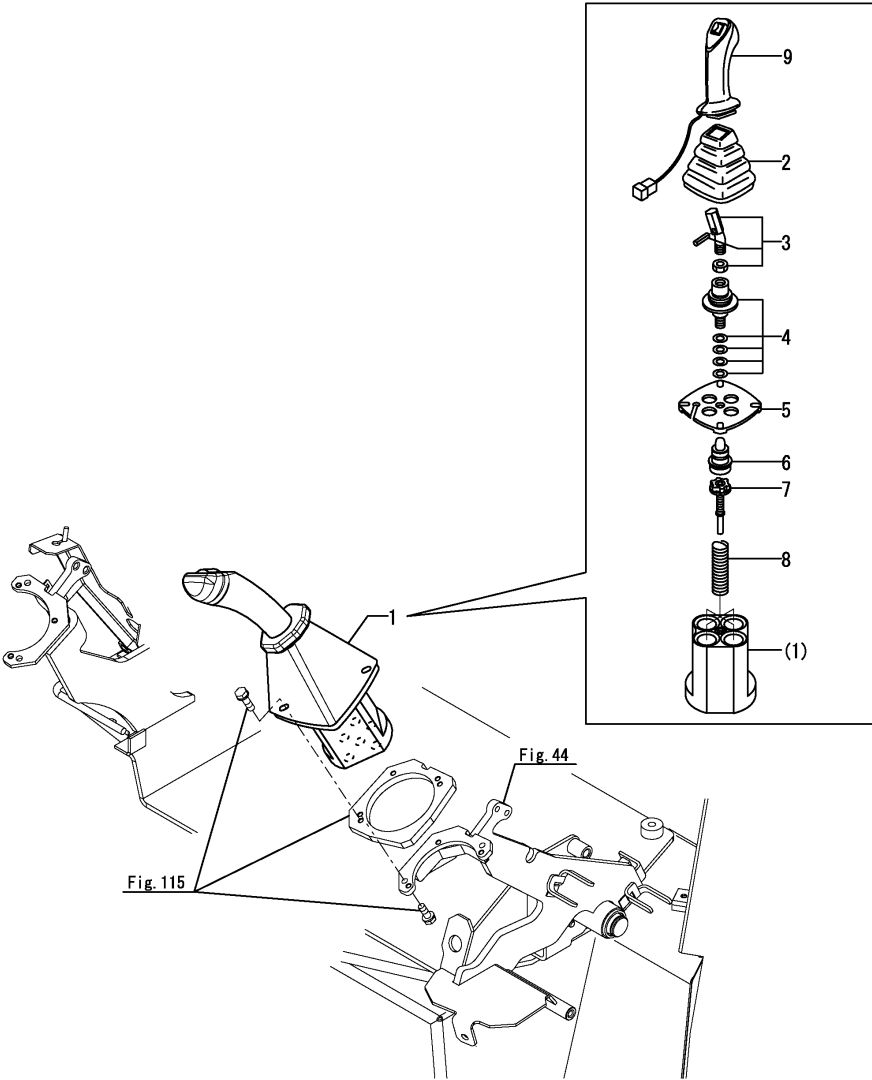
[illegible]

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

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

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Fig.154. P.T.O.2 KIT(BOOM END)(OPTIONAL)(4/7)

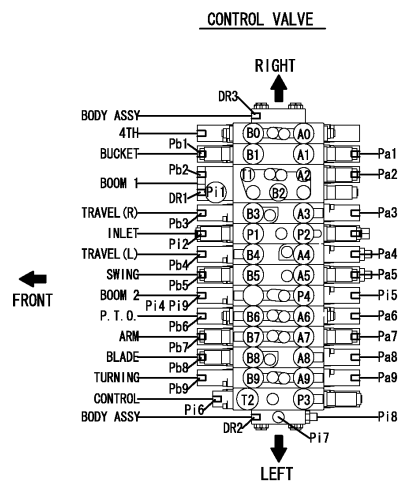
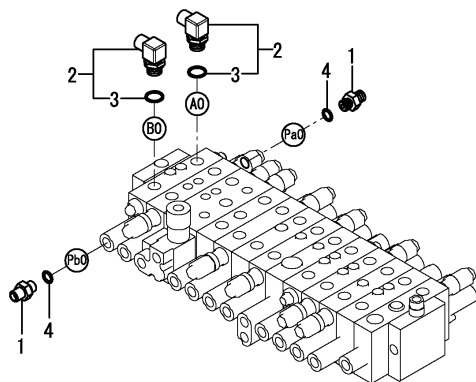


(A)=VIO80-1A C(US)
(B)=
(C)=

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

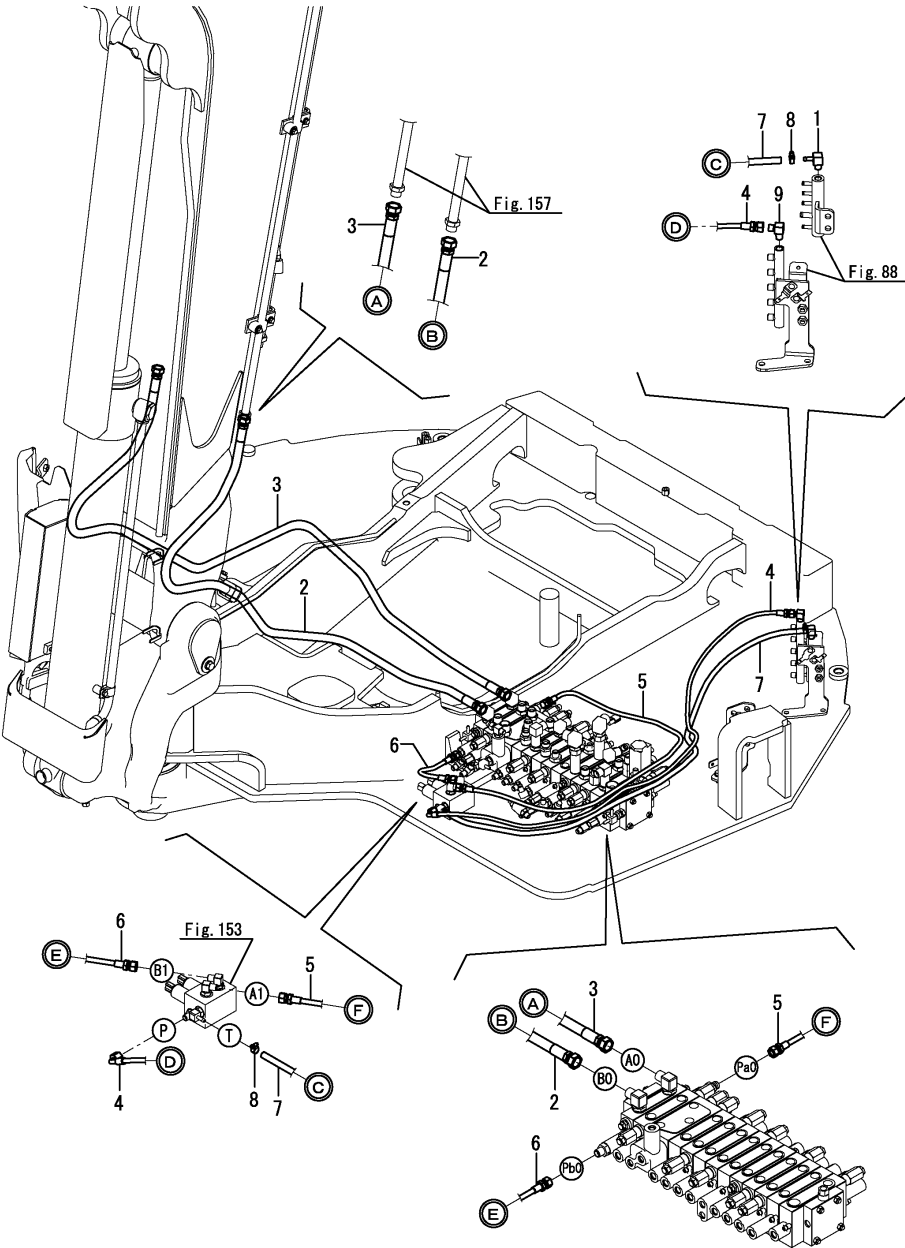
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74900	VALVE ASSY,L	1							
2	3	172441-74030	BOOT	1							
3	3	172441-74040	LEVER KIT	1							
4	3	172463-74530	CARDAN KIT	1							
5	3	172463-74540	PLATE, RETAINING	1							
6	3	172463-74551	PLUNGER KIT	1							
7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

Fig.155. P.T.O.2 KIT(BOOM END)(OPTIONAL)(5/7)



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	2	172123-76121	ADAPTER	2							
2	2	172141-76900	CONNECTOR ASSY	2							
3	3	24315-000180	O-RING, 1BP18.0	2							
4	2	41851-000110	O-RING	2							

Fig.156. P.T.O.2 KIT(BOOM END)(OPTIONAL)(6/7)



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

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	2	172137-75570	ADAPTER, PF1/2	2							
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	172175-76590-Y	PLATE, SPACER	2							
7	2	172125-76900-2	CLUMP	2							
8	2	172B11-77900	TUBE ASSY, PTO2 L	1							
9	2	172B11-77930	TUBE ASSY, PTO2 R	1							
10	2	172187-78100	RUBBER	2							
11	2	26013-080252	BOLT, M8X 25	4							
12	2	26013-120602	BOLT, M12X 60	2							
13	2	26014-080162	BOLT, M8X 16	8							
14	2	26014-080352	BOLT, M8X 35	6							

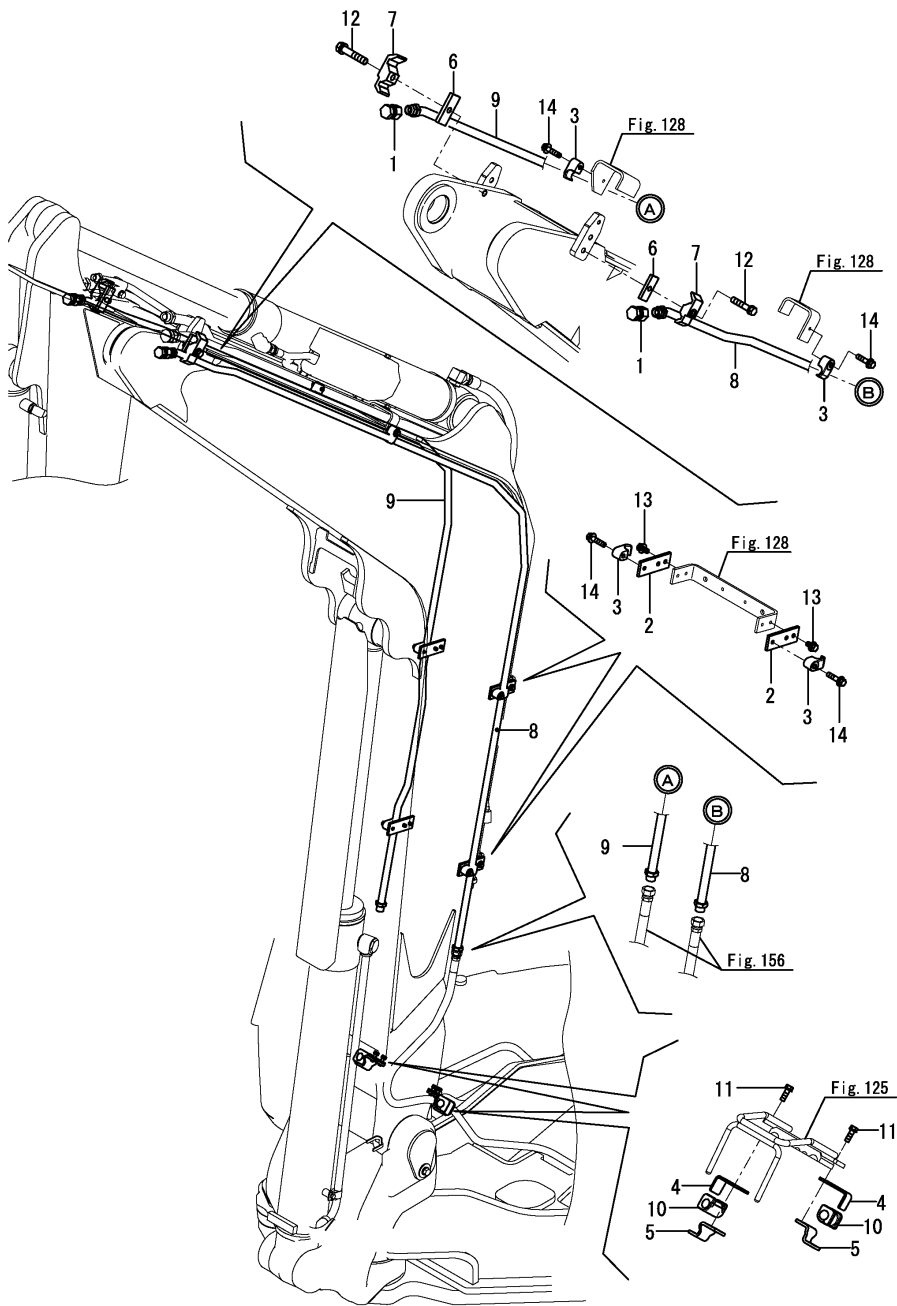
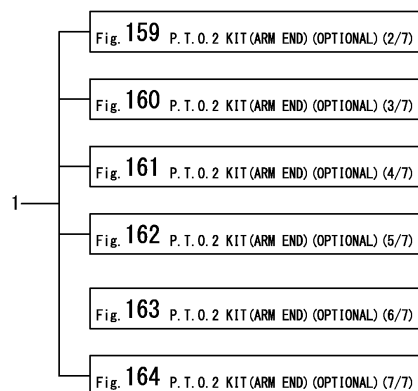


Fig.158. P.T.O.2 KIT(ARM END)(OPTIONAL)(1/7)

[illegible]

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

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.159. P.T.O.2 KIT(ARM END)(OPTIONAL)(2/7)

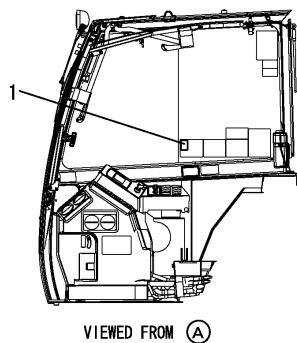
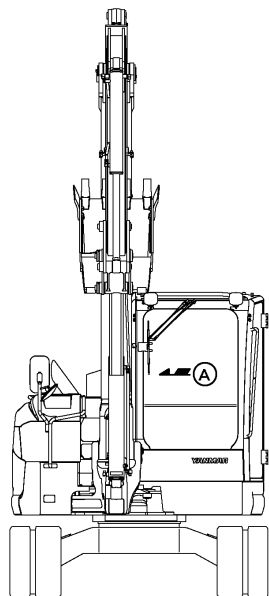
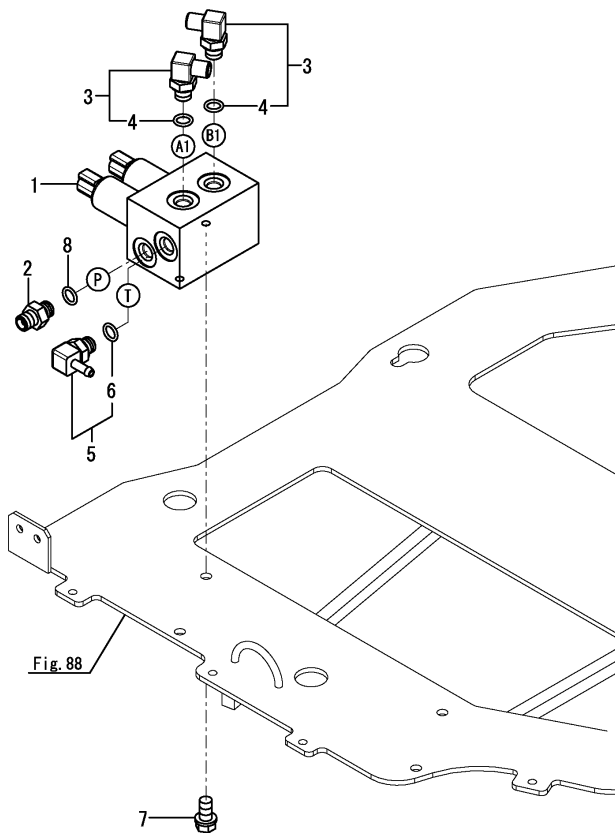
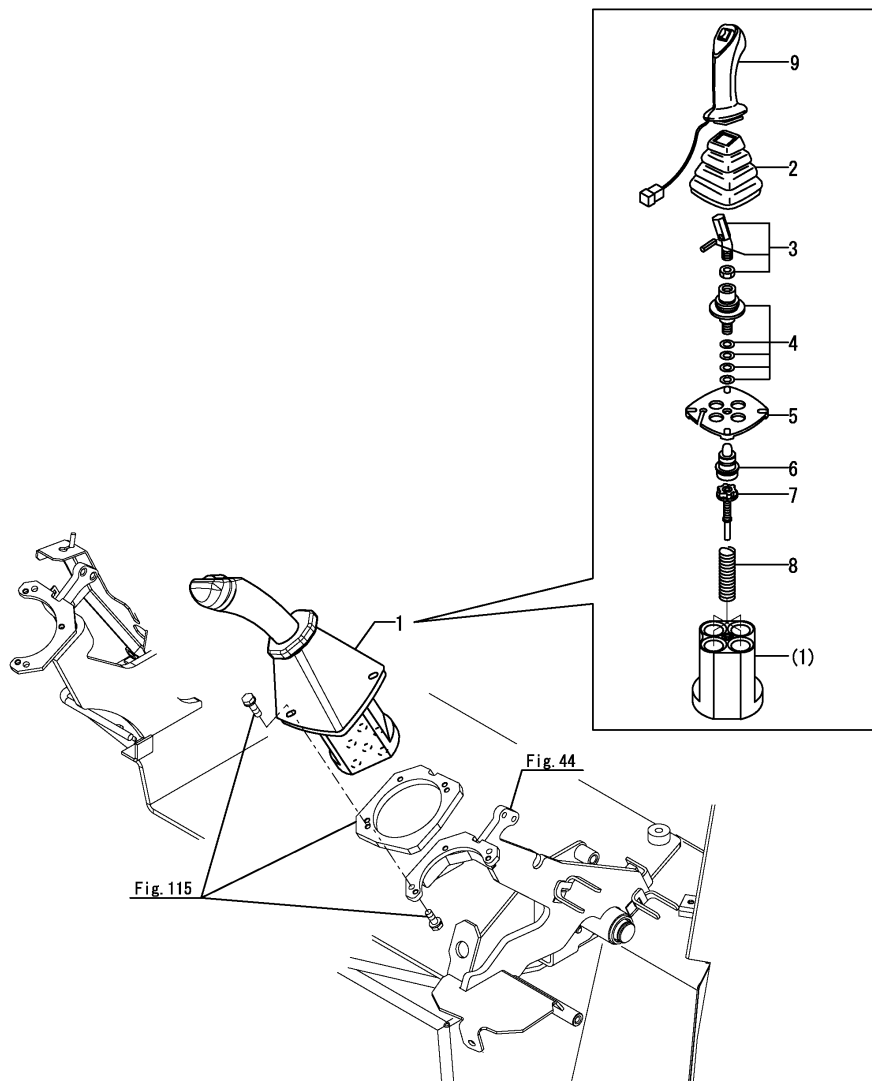
[illegible]

Fig.160. P.T.O.2 KIT(ARM END)(OPTIONAL)(3/7)

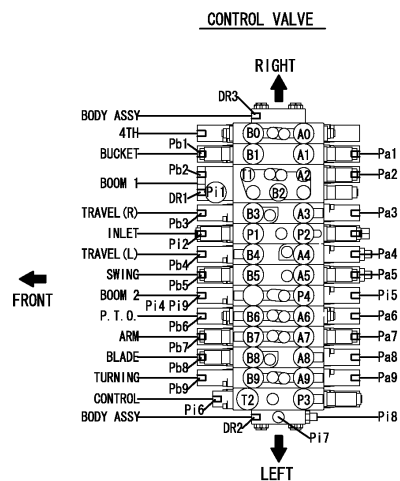
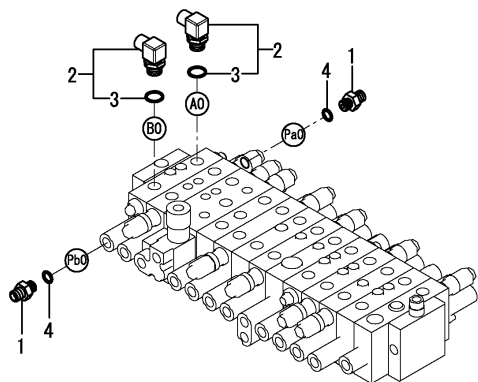


				(A)=VIO80-1A C(US)					(D)=			
				(B)=					(E)=			
				(C)=					(F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)	I	R
1	2	172B11-74410	VALVE ASSY,PTO	1								
2	2	172123-76121	ADAPTER	1								
3	2	172141-76181	CONNECTOR ASSY, 02FF	2								
4	3	41851-000110	O-RING	2								
5	2	172186-76430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



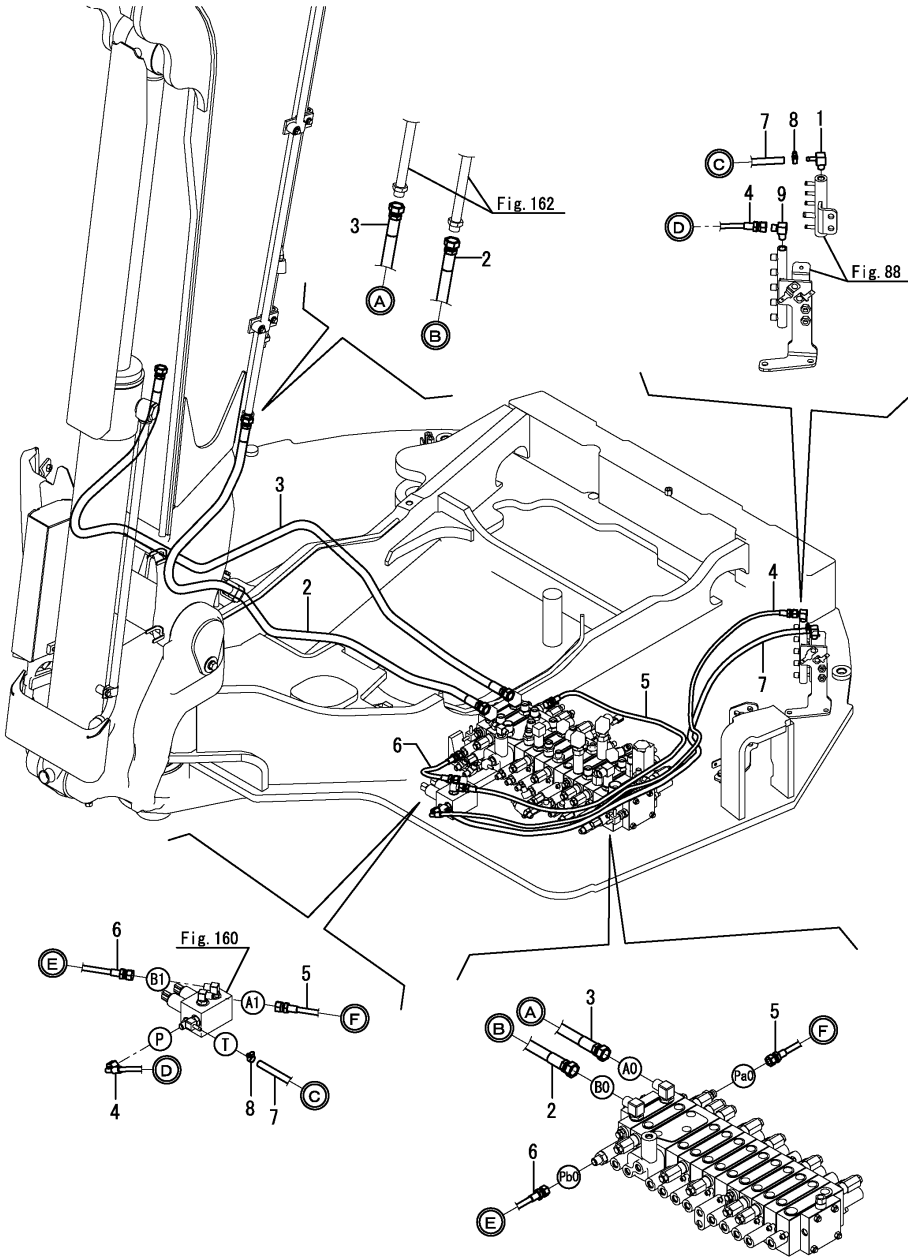
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172B11-74900	VALVE ASSY,L	1							
2	3	172441-74030	BOOT	1							
3	3	172441-74040	LEVER KIT	1							
4	3	172463-74530	CARDAN KIT	1							
5	3	172463-74540	PLATE, RETAINING	1							
6	3	172463-74551	PLUNGER KIT	1							
7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

Fig.162. P.T.O.2 KIT(ARM END)(OPTIONAL)(5/7)



				(A)=VIO80-1A C(US)					(D)=				
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	Q'ty								I	R
				(A)	(B)	(C)	(D)	(E)	(F)				
1	2	172123-76121	ADAPTER	2									
2	2	172141-76900	CONNECTOR ASSY	2									
3	3	24315-000180	O-RING, 1BP18.0	2									
4	2	41851-000110	O-RING	2									

Fig.163. P.T.O.2 KIT(ARM END)(OPTIONAL)(6/7)

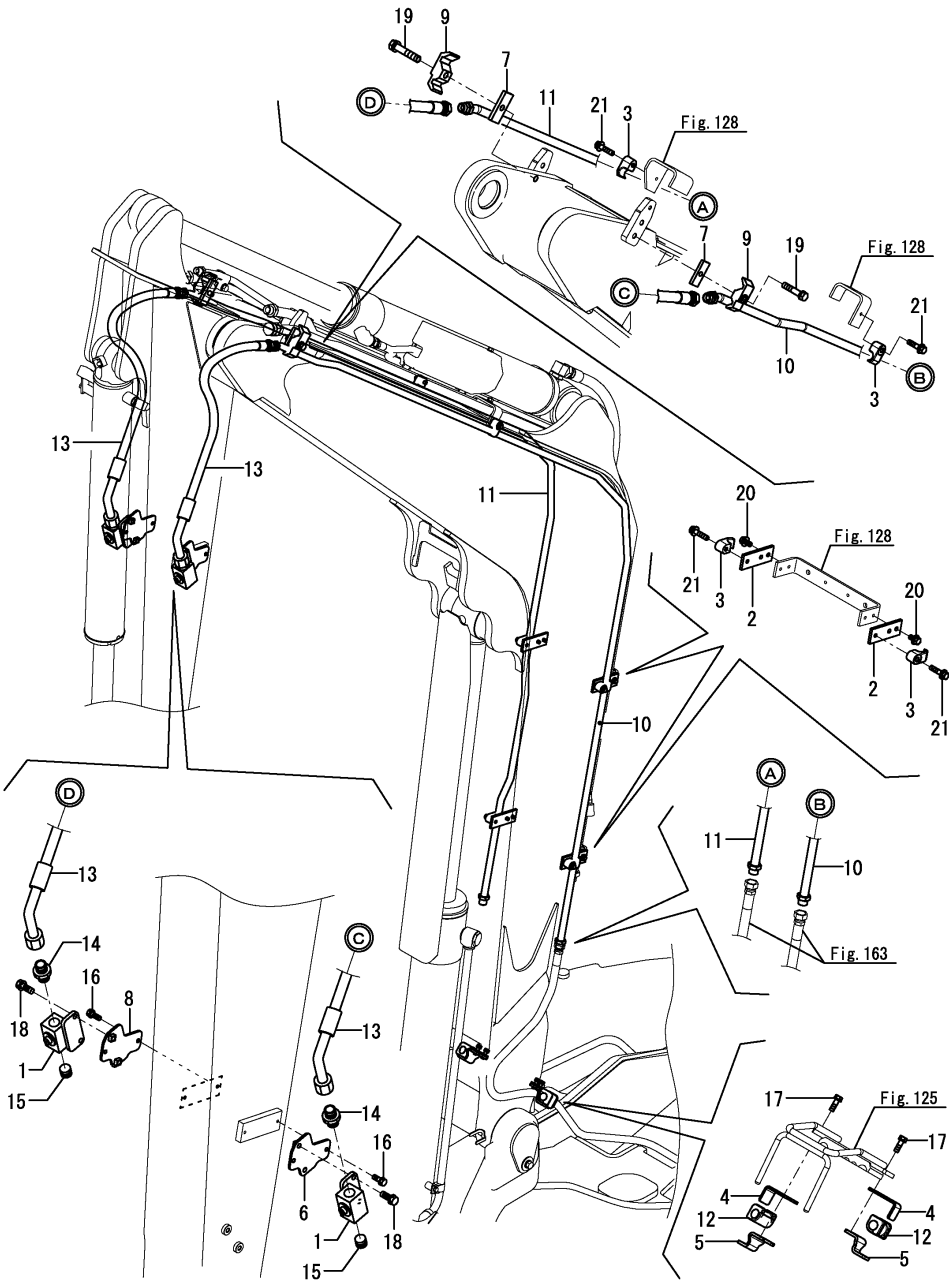


(A)=VIO80-1A C(US)
(B)=
(C)=

(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							
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							

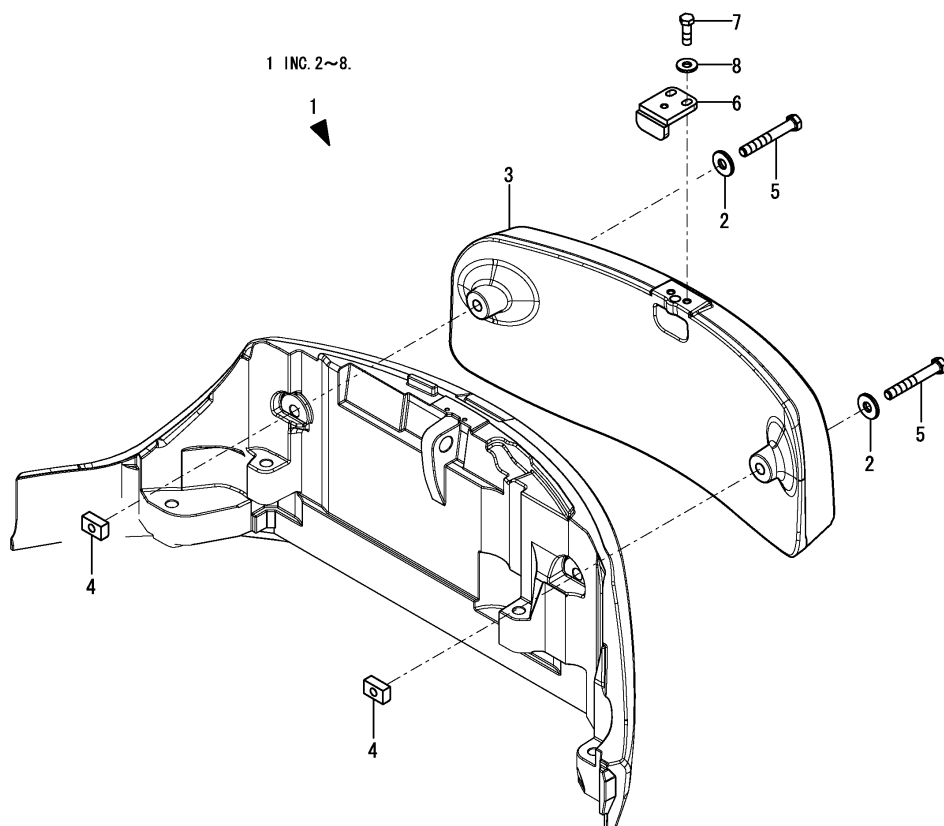
Fig.164. P.T.O.2 KIT(ARM END)(OPTIONAL)(7/7)



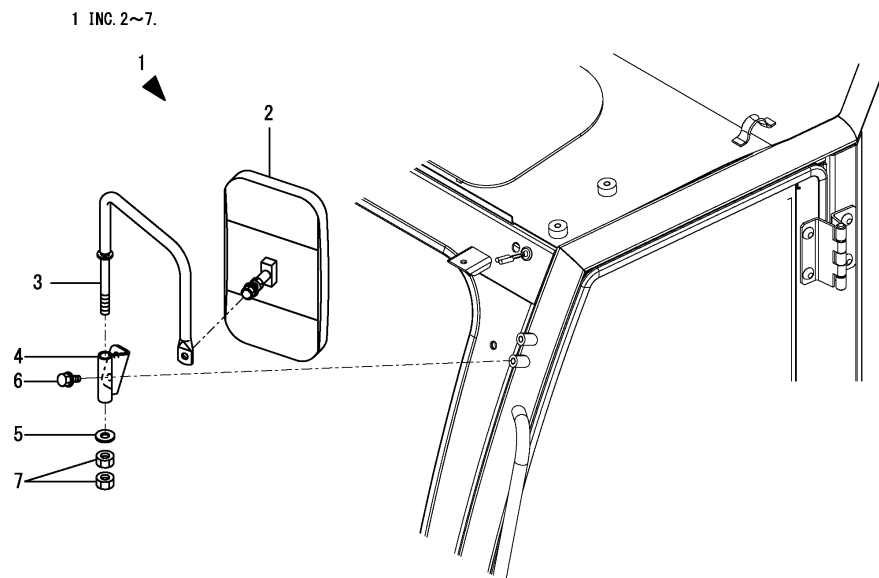
(A)=VIO80-1A C(US)
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172183-74822-Y	VALVE, STOP	2							
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	CLUMP	2							
10	2	172B11-77900	TUBE ASSY, PTO2 L	1							
11	2	172B11-77930	TUBE ASSY, PTO2 R	1							
12	2	172187-78100	RUBBER	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							



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

Parts No. Index

Parts No.	Fig. No.	Ref. No.
106990-44660	13	29
	14	21
114110-07761	1	17
	179	17
119140-12680	7	5
119160-12530	7	2
119160-12540	7	3
119160-12560	7	4
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	73	22
129107-44590	10	8
129242-55740	14	31
129466-96240	32	24
129612-52100	14	22
129927-44900	118	2
129927-77900	20	28
129927-77910	20	29
129942-07761	147	46
	148	40
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	132	3
172112-16201	17	2
172112-16650	9	12
172112-74971	118	6
172112-75770	118	20
172112-75780	118	21
172112-77361	90	37
	119	16
	121	21
	122	24
	127	10
172112-77580	139	2

Parts No.	Fig. No.	Ref. No.
172113-74190	105	4
	107	26
	172	4
	174	26
172116-74150	101	25
	102	3
	103	3
		5
		11
	104	3
	105	15
	106	19
	107	3
		38
	168	25
	169	3
	170	3
		5
		11
	171	3
	172	15
	173	19
	174	3
		38
172122-17190	63	1
		33
	87	1
172122-37844	39	7
172122-55061	14	23
172122-70260	96	24
172122-70410	96	26
172122-70530	96	28
172122-79890	7	9
	126	16
172123-76121	110	24
	112	2
	113	10
	114	9
	115	20
	116	34
	117	21
	121	3
	123	4
		5
	124	1
	126	2
	127	6
	153	2
	155	1
	160	2

Parts No.	Fig. No.	Ref. No.
172123-76121	162	1
172124-17640	32	4
172124-46200	44	6
	145	2
172124-65480	67	18
172124-70030	90	2
172124-70380	96	43
172125-03951	2	15
	7	6 A
172125-76900-2	157	7
	164	9
172126-11510	18	1
	20	1
	28	6
	30	1
	32	1
	33	1
	132	17
	135	1
172126-16540	15	12
	33	3
172137-13400	13	2
172137-14282	9	11
172137-16560	15	13
		14
		15
	26	2
	32	2
		3
	121	25
	133	1
		2
	138	1
172137-46042	9	13
172137-46210	22	18
172137-69850	27	14
	29	29
	62	7
	84	7 -1
172137-75570	157	1
172137-76100	109	21
172137-76110	121	2
172137-76580	132	7
172141-17150	27	2
172141-17211	26	5
172141-41370	44	3
172141-72250	94	2
172141-76181	110	25
	111	27
		29

Parts No.	Fig. No.	Ref. No.
172141-76181	112	3
	114	10
	116	35
	119	14
	123	8
	124	6
	153	3
	160	3
172141-76900	90	35
	121	17
	122	20
		22
	126	6
	155	2
	162	2
172141-76920	121	19
172142-62301	11	25
	54	20
172142-72260	94	3
172142-72951	94	19
172142-76240	129	10
172142-76940-Y	130	6
		7
	131	6
		7
172142-76950-N	128	20
172142-76950-Y	128	13
172146-78150	11	26
172147-70500	96	27
172147-76271	122	19
172148-70301	96	25
172151-71630	94	12
172151-74060	101	9
	102	5
	103	7
	104	5
		14
	105	2
		17
	106	3
		25
	107	5
		24
	108	7
		18
	168	9
	169	5
	170	7
	171	5
		14

Parts No. Index

Parts No.	Fig. No.	Ref. No.
172151-74060	172	2
		17
	173	3
		25
	174	5
		24
	175	8
		27
	101	12
		102
172151-74320	102	9
		103
	104	28
		8
	105	18
		7
	106	20
		6
	107	28
		14
172151-76050	108	28
		11
	168	21
		12
	169	9
		28
	170	8
		18
	171	7
		20
172151-76161	172	6
		28
	173	14
		28
	174	19
		30
	175	4
		20
	124	4
		16
172151-76200	121	1
		89
	141	1
		142
	143	2
		146
	144	11
		23
	122	16
		121
172155-11120	89	1
		141
	142	2
		143
	144	1
		11
	66	4
		23
	109	3
		99
172157-58830	99	5
		13
	172162-14200	24
		68
	172162-15310	3

Parts No.	Fig. No.	Ref. No.
172162-17400	26	4
		39
	39	5
		6
	36	15
		51
	51	5
		63
	63	10
		56
172162-61330	56	1
		89
	89	2
		29
	29	26
		96
	96	19
		3
	96	4
		5
172162-61500	96	5
		29
	96	31
		32
	90	33
		3
	118	7
		10
	123	16
		6
172162-70150	146	5
		7
	141	13
		8
	142	14
		4
	141	14
		15
	141	16
		8
172162-70290	146	8
		92
	92	37
		9
	17	3
		38
	38	23
		20
	123	21
		142
172162-70310	142	9
		10
	143	3
		9
	9	10
		12
	44	13
		14
	44	14
		11
172162-70320	129	11
		142
	142	13
		143
	143	7
		11
	144	11
		14
	142	14

Parts No.	Fig. No.	Ref. No.
172165-82530	143	8
		12
	144	7
		3
	126	7
		1
	127	4
		7
	125	23
		22
172168-54760	110	8
		4
	113	4
		94
	127	4
		101
	94	11
		8
	102	27
		16
172168-76162	104	5
		19
	105	5
		27
	106	9
		27
	107	9
		20
	168	11
		8
172168-76170	169	27
		16
	170	5
		19
	171	5
		27
	172	9
		27
	173	12
		29
172168-76370	174	6
		7
	129	18
		32
	92	10
		4
	143	1
		2
	146	2
		33
172171-65820	92	11
		142
	142	11
		5
	143	2
		3
	144	2
		3
	146	3

Parts No.	Fig. No.	Ref. No.
172176-67150	54	25
		7
	61	18
		4
	122	4
		37
	130	38
		14
	131	14
		1
172176-68210	164	22
		14
	117	22
		123
	123	22
		13
	156	1
		163
	163	1
		5
172176-76210	112	5
		113
	113	12
		5
	153	5
		160
	160	5
		1
	172187-03941	16
		5 A
172176-76582-Y	141	16
		179
	13	28
		1
	17	16
		22
	15	14
		1
	32	2
		3
172176-76582-Y	36	3
		41
	45	4
		1
	45	2
		3
	45	3
		41
	41	4
		48
172176-81700	48	1
		2
	48	2
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	49	8
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