

OCK10-M40401EN

P R E F A C E

1. This Parts Catalog carries Yanmar excavator(crawler back-hoe) Vio15-2A For Japan.

Pub. No. : 000Y00K4041

Published : Oct. , 2006

2. Parts catalog history

		Parts catalog NO.	Published	Remarks
1st edition	Vehicle	000Y00K4040	Feb. , 2005	Disuse old edition
	Engine	000Y00B7270		
1st revised	Vehicle	000Y00K4041	Oct. , 2006	
	Engine	000Y00B7271		

3. Model name

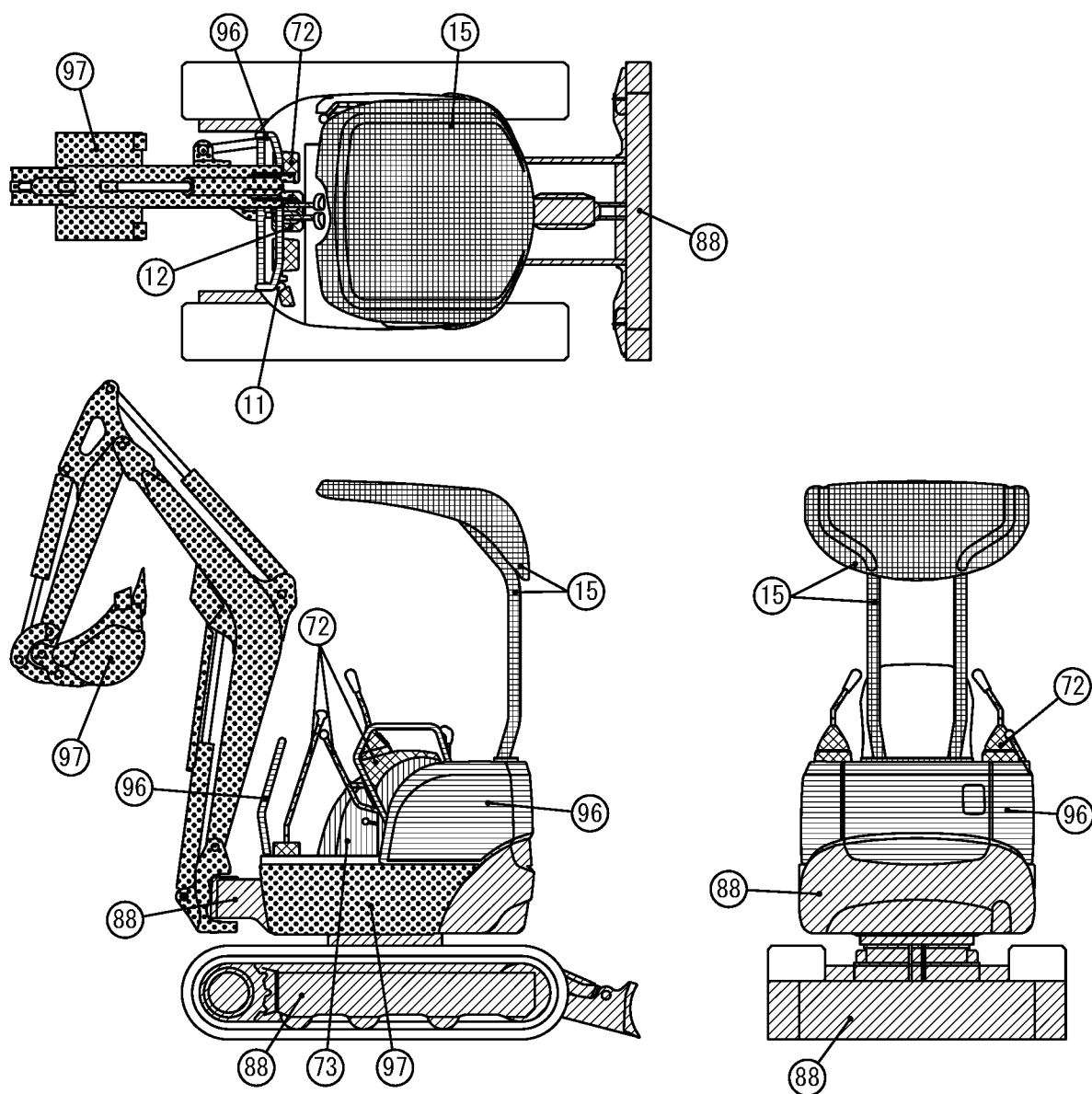
SECTION	Column	Model name	M/#	Manufactured
I (Vehicle)	(A)	Vio15-2A (JP)	27501~	2004/12~
	(B)	Vio15-2A (EX)		
II (Engine)	(A)	3TNV70-WBV	01122~	2004/11~

(Note) JP:Japan EX:export except Europe & America.

4. Your understanding is asking that this parts catalog is not a technical data manual setting forth as servicing procedures. This parts catalog is using simplified illustration. Be sure to use Yanmar Genuine Parts in your maintenance servicing of Yanmar products. Be careful not to use the simple parts available in the market, otherwise their use in repairing causes such as an early breakage, for instance.

本機塗装色 (旧)
VEHICLE PAINTED COLOR (PREVIOUS)

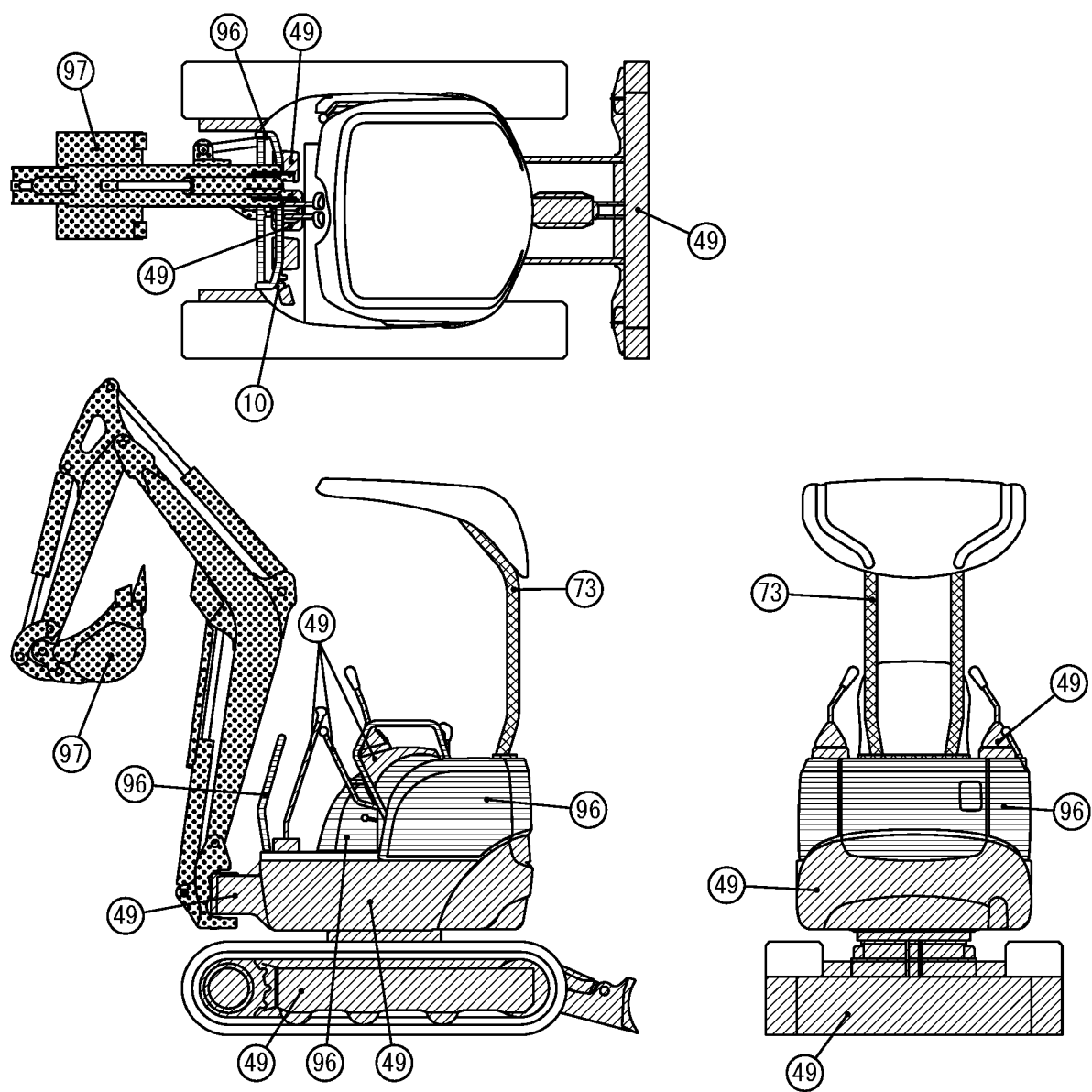
～M/#28497



色区分 Color Code	表示 Desc- ription	塗装色 Painted Color	マンセル記号 Munsel No.	塗料部品番号 (Paint Part No.)		
				16L缶 (16L Can)	4L缶 (4L Can)	スプレー (SPRAY)
⑧⑧		ヤンマー新ディープグリーン YANMAR New Deep Green	0. 6B2. 2/4. 2	981101-09588	977620-40880	977620-30881
⑨⑦		ヤンマーピーコックグリーン YANMAR Peacock Green	3. 85BG5. 31/9. 15	981101-09597	977620-40970	977620-30971
⑨⑥		ヤンマーシトラスグリーン YANMAR Citrus Green	4. 84GY8. 42/6. 99	981101-09599	977620-40990	977620-30991
⑦②		ヤンマーダークオリーブグレー YANMAR Dark Olive Gray	5. 39Y2. 92/0. 78	-----	977620-40720	TOR-90460003
⑮		ナチュラルホワイト Natural White	1. 38GY7. 15/0. 48	-----	-----	977620-30301
⑦③		ヤンマーワームグレー YANMAR Warm Gray	7Y5. 3/0. 8	-----	-----	TOR-90450003
⑫		ヤンマーブラック YANMAR Black	4. 90PB0. 08/0. 41	-----	TOR-91220001	TOR-90220003
⑪		ヤンマーレッド YANMAR Red	7. 5R4/14	-----	977620-40010	TOR-90000003

本機塗装色（新）
VEHICLE PAINTED COLOR (NEW)

M/#28498～

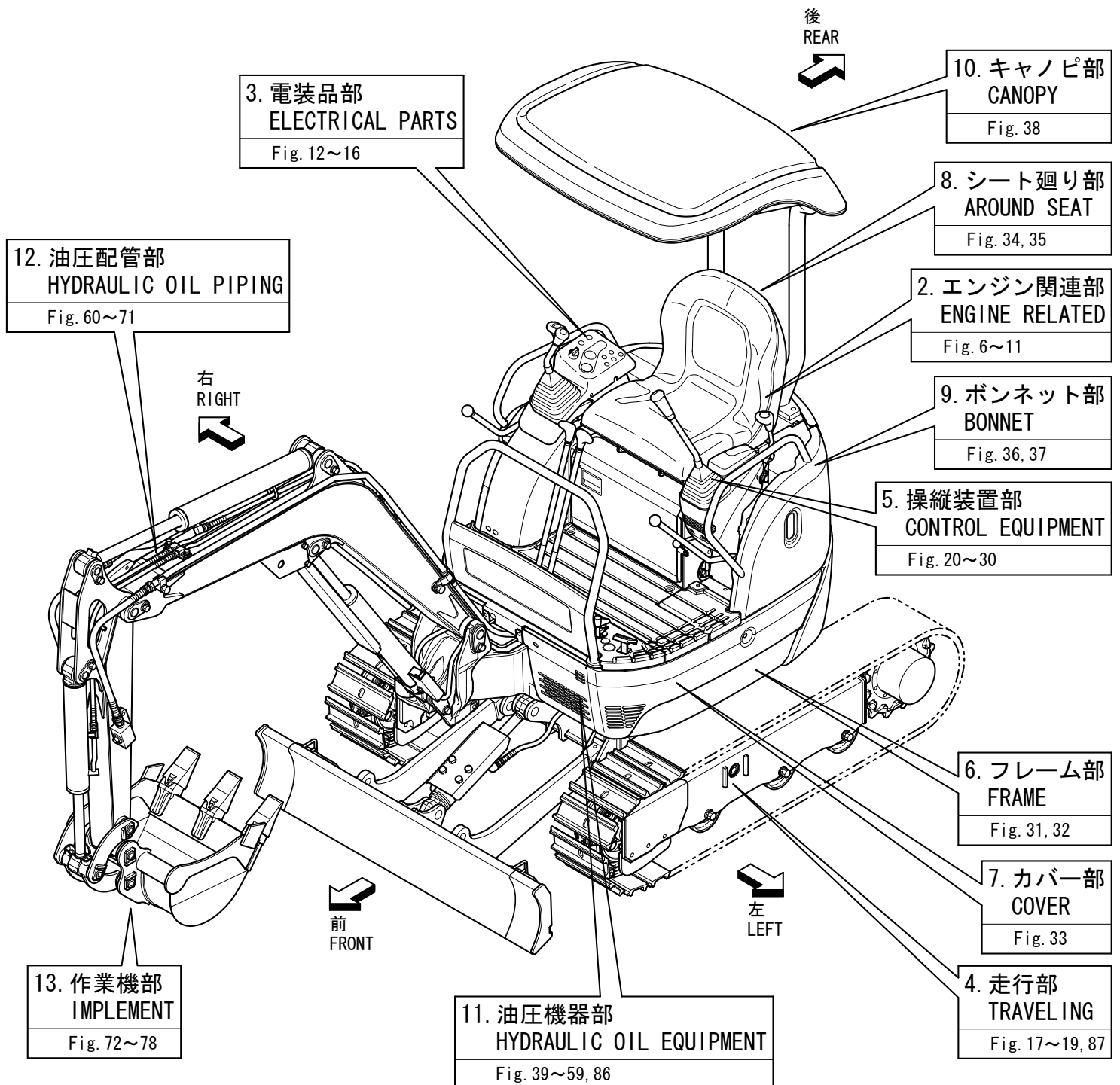


色区分 Color Code	表示 Desc- ription	塗装色 Painted Color	マンセル記号 Munsel No.	塗料部品番号 (Paint Part No.)		
				16L缶 (16L Can)	4L缶 (4L Can)	スプレー (SPRAY)
49		ヤンマーネイビーグレー YANMAR Navy Gray	8. 12B1. 31/0. 42	-----	TOR-91390000	TOR-90390002
97		ヤンマーピーコックグリーン YANMAR Peacock Green	2. 99B65. 27/9. 28	981101-09597	977620-40970	977620-30971
96		ヤンマーシトラスグリーン YANMAR Citrus Green	4. 84GY8. 42/6. 99	981101-09599	977620-40990	977620-30991
73		ヤンマーワームグレー YANMAR Warm Gray	5. 52Y4. 91/1. 09	-----	-----	TOR-90450003
10		ヤンマーレッド2 YANMAR Red 2	7. 13R3. 66/3. 88	-----	TOR-91000002	TOR-90000004

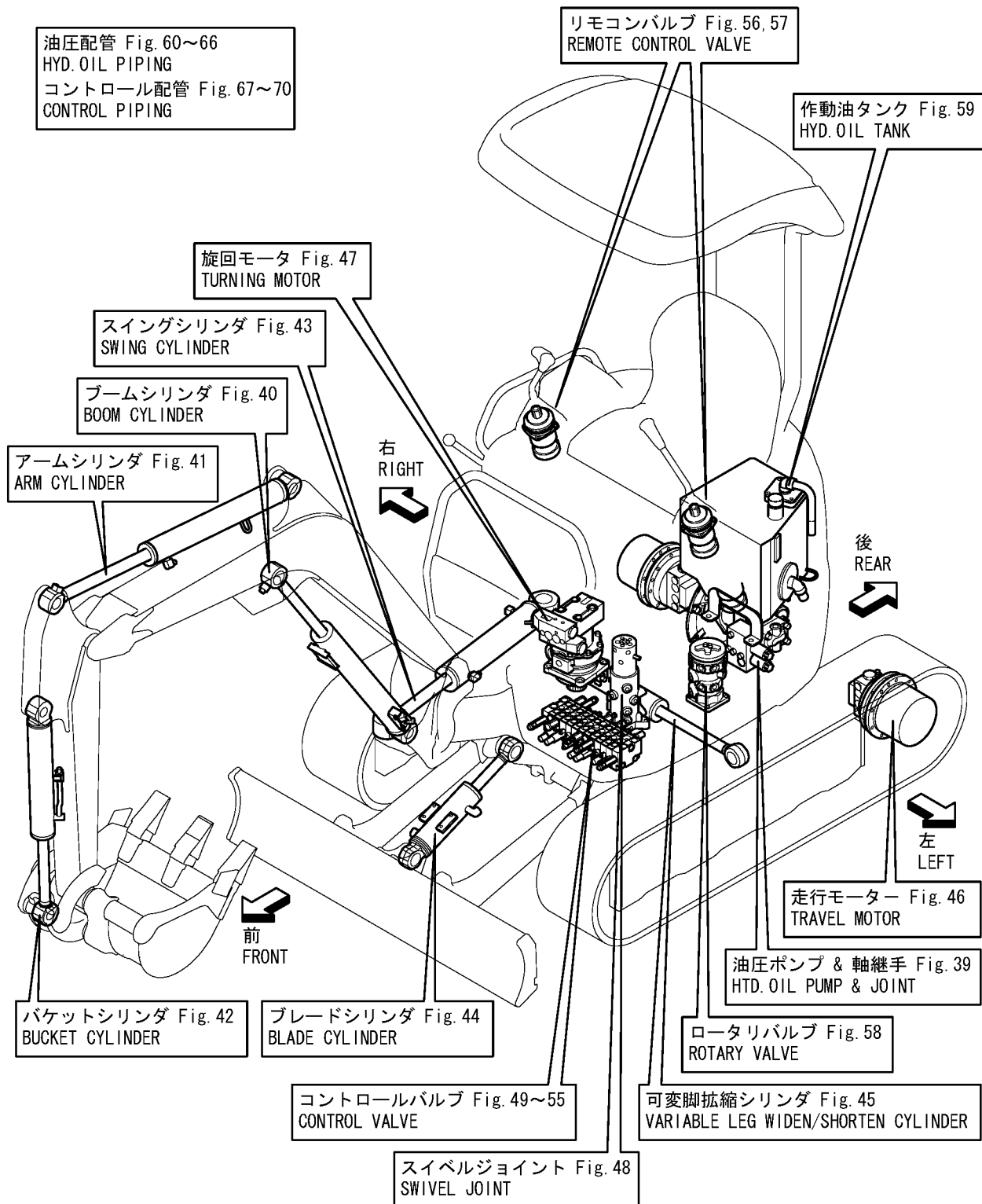
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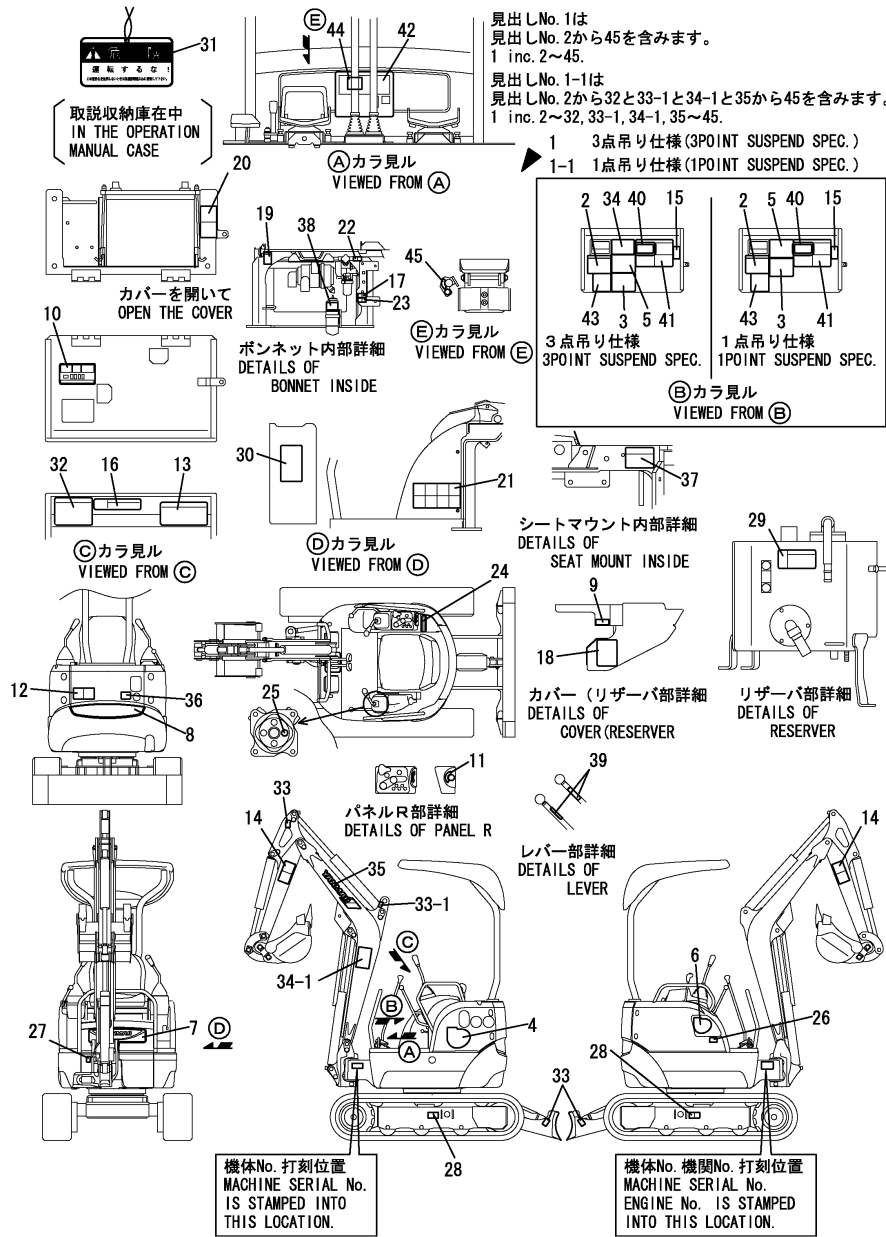
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Fig.1. LABEL(JP)



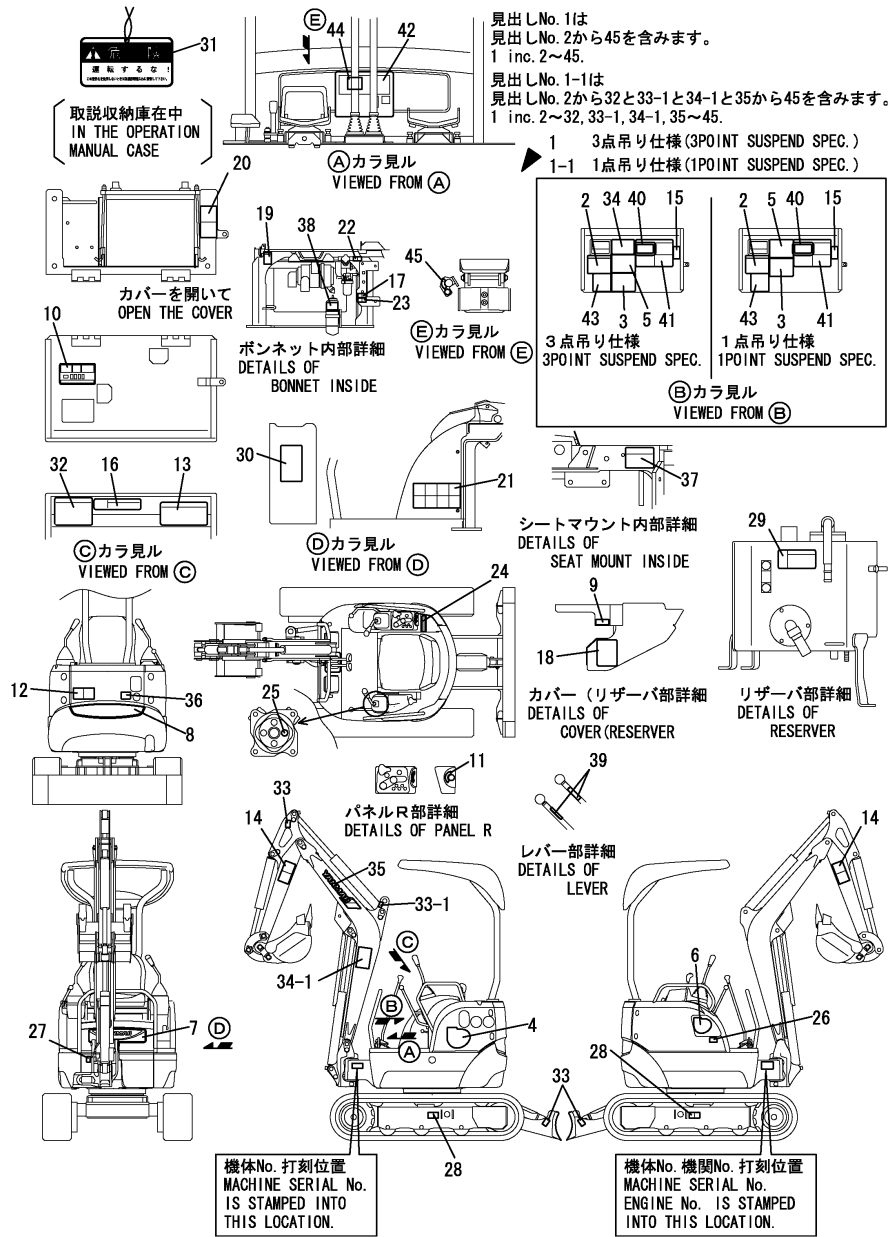
Remarks
(1)3 POINT SUSPEND SPEC.
(2)1 POINT SUSPEND SPEC.

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A55-08300	LABEL SET,VIO15-2A J	1							1
1-1	1	772A55-08300	LABEL SET,VIO15-2A J	1						S	2
(A=M/#27862)											
2	2	172A55-03110	LABEL,SPECIFICATION	1							
3	2	172A55-03120	LABEL,OIL & WATER	1							
4	2	172448-03130	LABEL,MODEL L	1							
5	2	172458-03130	LABEL,GREASE FEED	1							
6	2	172448-03140	LABEL,MODEL R	1							
7	2	172458-03140	LABEL, FRONT	1							
8	2	172448-03150	LABEL,REAR	1							
9	2	172519-03150	LABEL, ACCEL	1							
10	2	172448-03160	LABEL,FUSE	1							
11	2	172157-03170	LABEL, KEY SWITCH	1							
12	2	172444-03170	LABEL	1							
13	2	172448-03170	LABEL,WARNING V.LEG	1							
14	2	172444-03181	LABEL	2							
15	2	172448-03180	LABEL,W/S OPERATION	1							
16	2	172164-03540	LABEL	1							
17	2	172448-03190	LABEL,FAN	1							
18	2	172458-03190	LABEL,OILING	1							
19	2	172141-03202	LABEL,CAUTION	1							
20	2	172450-03200	LABEL,BATTERY	1							
21	2	172444-03210	LABEL	1							
22	2	172446-03210	LABEL,BURN	1							
23	2	172446-03220	LABEL,BELT	1							
24	2	172444-03240	LABEL	1							
25	2	172173-03250	LABEL	1							
26	2	172183-03250	LABEL,FUEL	1							
27	2	172444-03250	LABEL	1							
28	2	172444-03280	LABEL	2							
29	2	172142-03302	LABEL,CAUTION	1							
30	2	172964-03370	LABEL	1							
31	2	172964-03481	TAG ASSY, CAUTION	1							
32	2	172164-03510	LABEL,LOADING	1							
33	2	172437-03511	LABEL, HOOK US	3							1
33-1	2	172437-03511	LABEL, HOOK US	1						K	2
(A=M/#27862)											
34	2	172458-03181	LABEL, LIFTING	1							1
34-1	2	172A23-03180	LABEL,LIFTING	1						S	2
(A=M/#27862)											
35	2	172519-03680	LABEL,BRAND	1							
35-1	2	172A55-03310	LABEL, BRAND 450	1							N
(A=M/#28498)											
36	2	172519-04180	LABEL,WARNING	1							
37	2	172519-04290	LABEL,WARNING	1							
38	2	121470-44540	LABEL, SUB-TANK	1							
39	2	172183-03280	LABEL,LOCK	2							
40	2	172444-03290	MAGNET	1							
41	2	172151-03551	LABEL	1							
42	2	172490-03200	LABEL	1							
43	2	172165-03240	LABEL	1							

Fig.1. LABEL(JP)



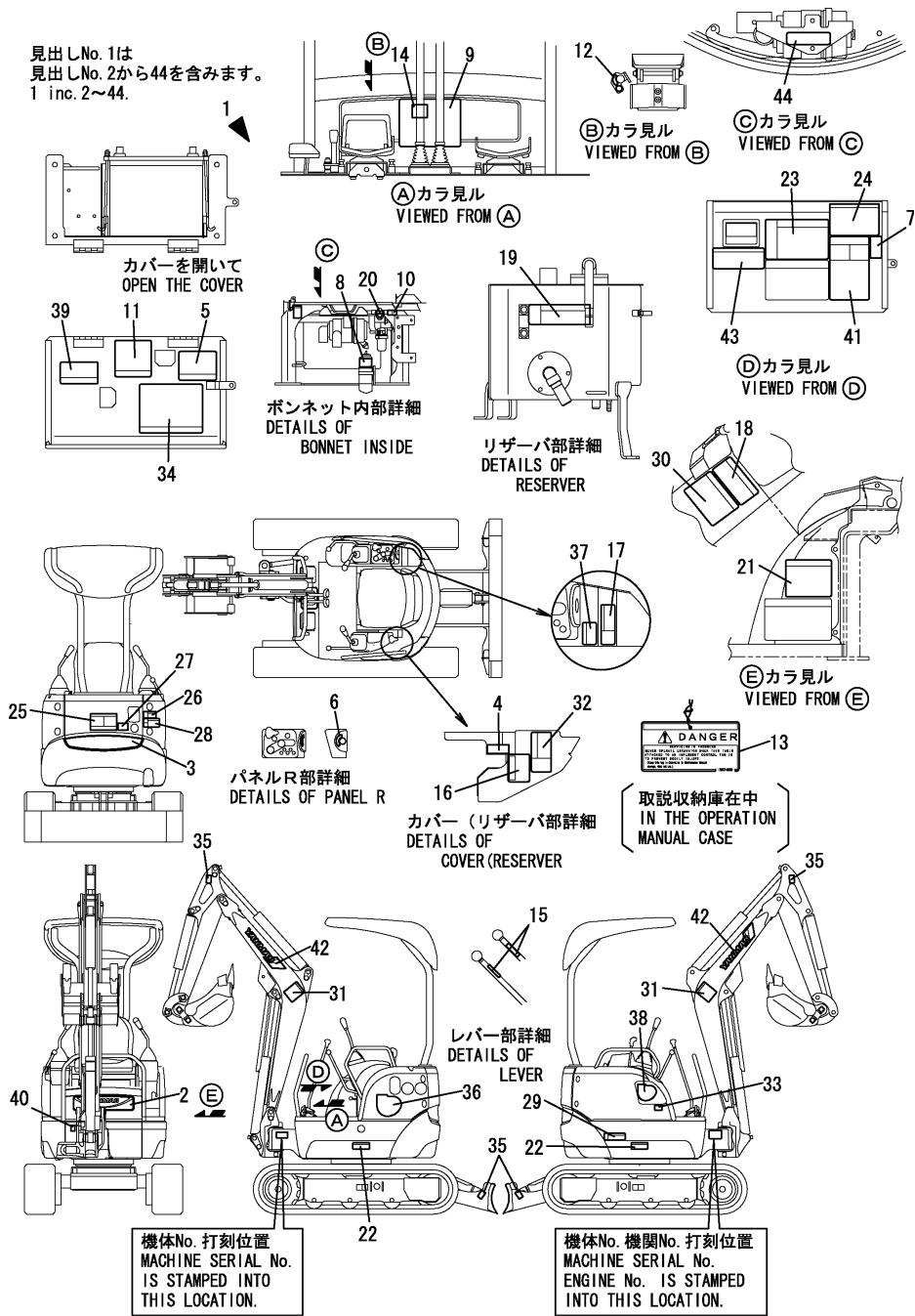
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
44	2	172496-03250	LABEL, P.T.O.	1							
45	2	172458-03240	LABEL, LOCK	1							

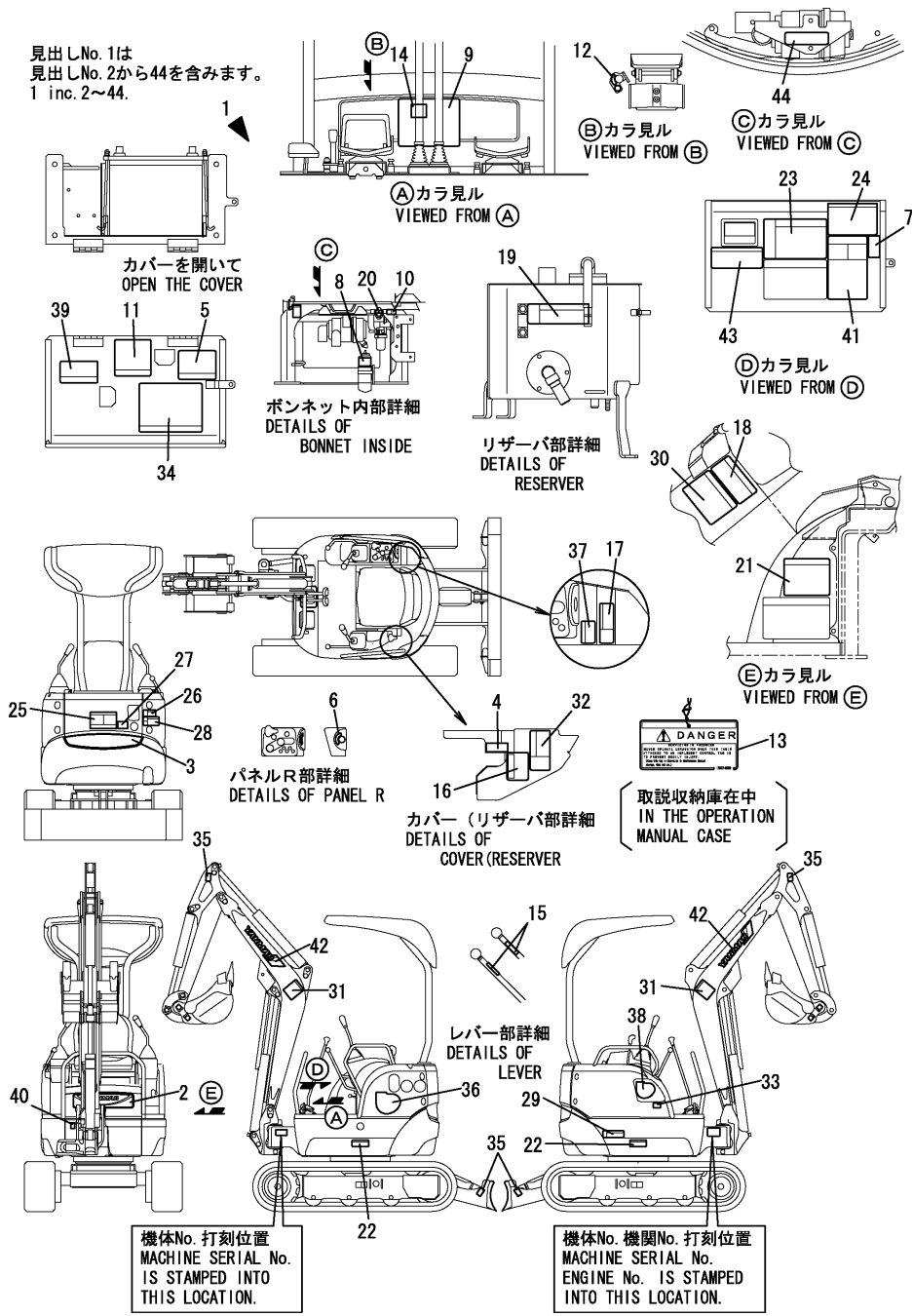
Remarks
(1)3 POINT SUSPEND SPEC.
(2)1 POINT SUSPEND SPEC.

Fig.2. LABEL(EX)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A55-03120	LABEL SET,VIO15-2A E		1						
2	2	172458-03140	LABEL, FRONT		1						
3	2	172448-03150	LABEL,REAR		1						
4	2	172519-03150	LABEL, ACCEL		1						
5	2	172472-03160	LABEL,GREASE		1						
6	2	172157-03170	LABEL, KEY SWITCH		1						
7	2	172448-03180	LABEL,W/S OPERATION		1						
8	2	172A38-03200	LABEL, SUB-TANK US		1						
8-1	2	172A38-03201	LABEL, SUB-TANK US		1						N
(B=M/#28218)											
9	2	172490-03200	LABEL		1						
10	2	172A38-03210	LABEL,ANTI-FREEZING		1						
10-1	2	172A38-03211	LABEL,ANTI-FREEZING		1						N
(B=M/#28218)											
11	2	172437-03242	LABEL, CRAWLER US		1						
12	2	172458-03240	LABEL,LOCK		1						
13	2	172437-03250	TAG ASSY, CAUTION		1						
13-1	2	172437-03251	TAG ASSY, CAUTION		1						N
(B=M/#27943)											
13-2	2	172437-03252	TAG ASSY, CAUTION		1						N
(B=M/#28218)											
14	2	172496-03250	LABEL, P.T.O.		1						
15	2	172183-03280	LABEL,LOCK		2						
16	2	172463-03290	LABEL,HYD.OIL US		1						
17	2	172437-03301	LABEL, MANUAL US		1						
17-1	2	172437-03302	LABEL, MANUAL US		1						N
(B=M/#28218)											
18	2	172437-03311	LABEL, SLOPE US		1						
18-1	2	172437-03312	LABEL,SLOPE US		1						N
(B=M/#27943)											
19	2	172437-03322	LABEL, HYD.OIL TANK		1						
20	2	172462-03320	LABEL		1						
21	2	172437-03342	LABEL, TRANSPORT US		1						
21-1	2	172437-03343	LABEL, TRANSPORT US		1						N
(B=M/#28218)											
22	2	172437-03352	LABEL, GREASE CYL.		2						
23	2	172437-03361	LABEL, BATTERY US		1						
24	2	172437-03372	LABEL, NEUTRAL US		1						
25	2	172437-03381	LABEL,SWING AREA US		1						
26	2	172437-03391	LABEL, RADIATOR US		1						
27	2	172437-03402	LABEL, ENG,COVER US		1						
28	2	172A36-03411	LABEL, ENG ROOM		1						
29	2	172437-03422	LABEL, MUFFLER US		1						
30	2	172437-03432	LABEL, STEERING US		1						
31	2	172437-03461	LABEL, BOOM US		2						
32	2	172437-03471	LABEL, LEVER LOCK US		1						
33	2	172437-03501	LABEL, FUEL US		1						
34	2	172A55-03510	LABEL,OIL&WATER US		1						
35	2	172437-03511	LABEL, HOOK US		4						
36	2	172448-03521	LABEL, MODEL L US		1						
37	2	172437-03530	LABEL,RE-START		1						Z

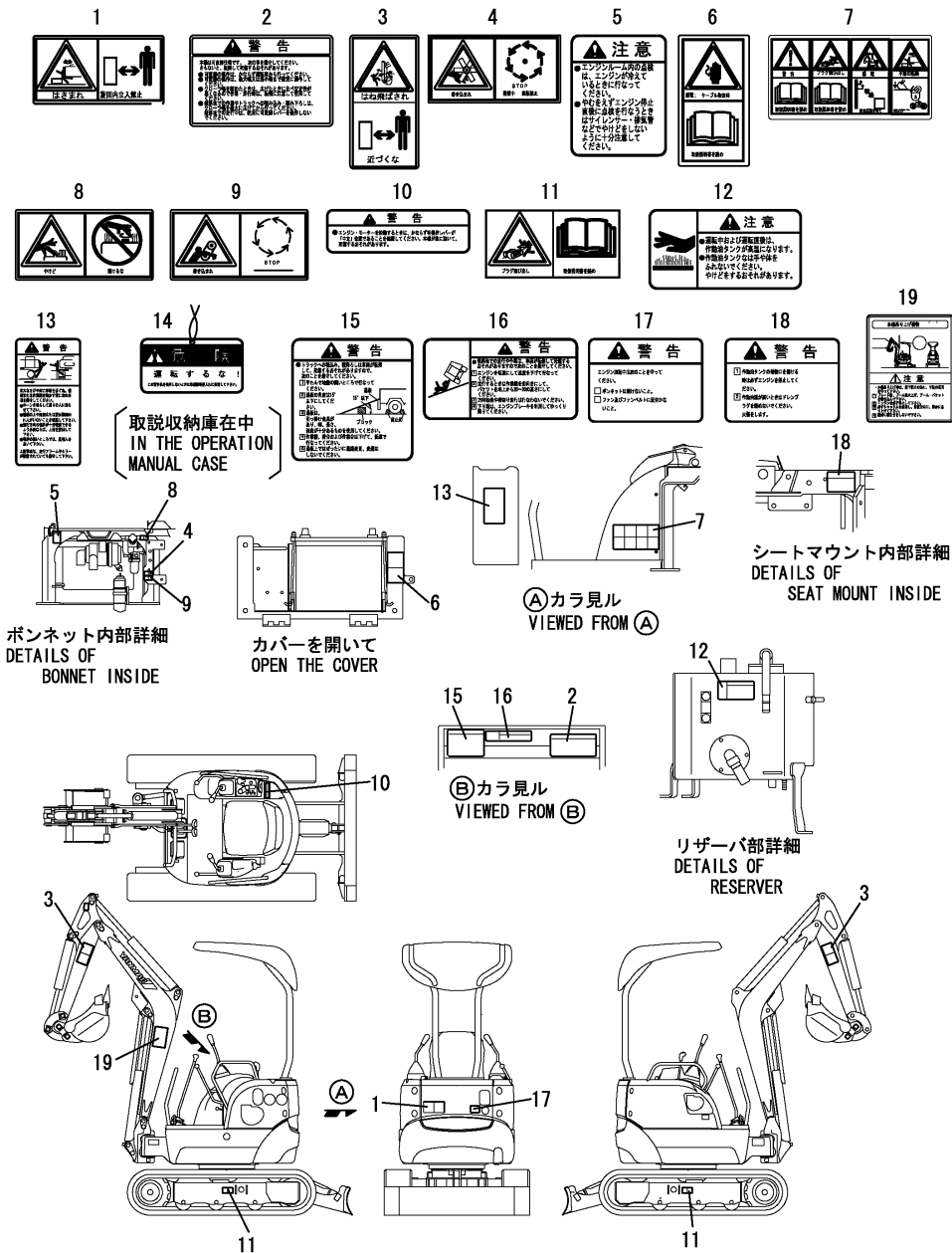
Fig.2. LABEL(EX)



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
(B=M/#27501)											
38	2	172448-03531	LABEL, MODEL R US		1						
39	2	172448-03540	LABEL,FUSE		1						
40	2	172A55-03590	LABEL, GREASE		1						
41	2	172446-03652	LABEL, VARIABLE US		1						
42	2	172519-03680	LABEL,BRAND		2						
42-1	2	172A55-03310	LABEL, BRAND 450		2						N
(B=M/#28498)											
43	2	172A55-03700	LABEL,SPECIFICATION		1						
44	2	172125-03951	LABEL, AIR CLEANER		1						



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

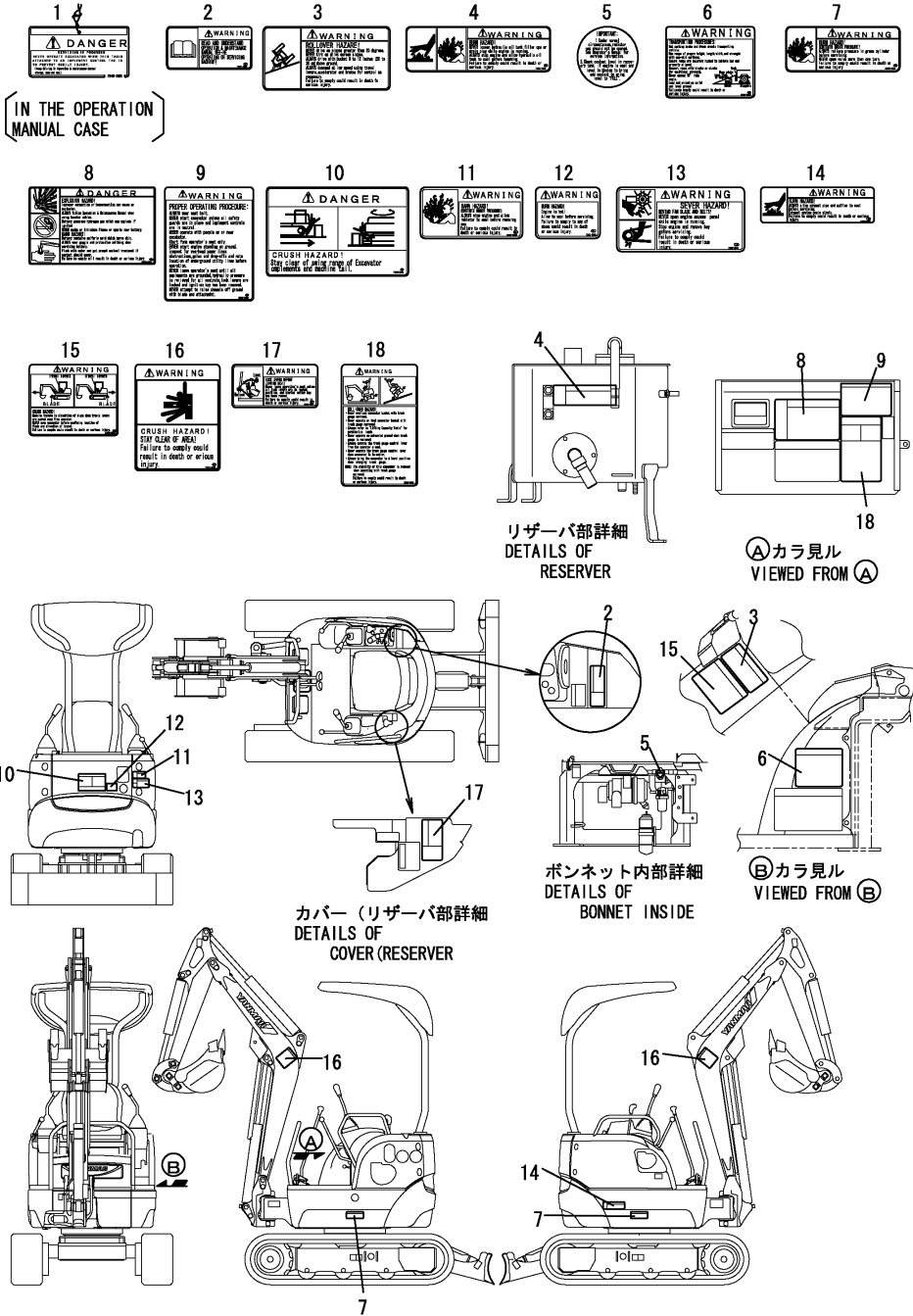
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-03170	LABEL	1							
2	1	172448-03170	LABEL,WARNING V.LEG	1							
3	1	172444-03181	LABEL	2							
4	1	172448-03190	LABEL,FAN	1							
5	1	172141-03202	LABEL,CAUTION	1							
6	1	172450-03200	LABEL,BATTERY	1							
7	1	172444-03210	LABEL	1							
8	1	172446-03210	LABEL,BURN	1							
9	1	172446-03220	LABEL,BELT	1							
10	1	172444-03240	LABEL	1							
11	1	172444-03280	LABEL	2							
12	1	172142-03302	LABEL,CAUTION	1							
13	1	172964-03370	LABEL	1							
14	1	172964-03481	TAG ASSY, CAUTION	1							
15	1	172164-03510	LABEL,LOADING	1							
16	1	172164-03540	LABEL	1							
17	1	172519-04180	LABEL,WARNING	1							
18	1	172519-04290	LABEL,WARNING	1							
19	1	172A23-03180	LABEL,LIFTING	1						W	1
(A=M/#27862)											

Remarks
(1)1 POINT SUSPEND SPEC.

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172437-03250	TAG ASSY, CAUTION	1							
1-1	1	172437-03251	TAG ASSY, CAUTION	1							N
(B=M/#27943)											
1-2	1	172437-03252	TAG ASSY, CAUTION	1							N
(B=M/#28218)											
2	1	172437-03301	LABEL, MANUAL US	1							
2-1	1	172437-03302	LABEL, MANUAL US	1							N
(B=M/#28218)											
3	1	172437-03311	LABEL, SLOPE US	1							
3-1	1	172437-03312	LABEL,SLOPE US	1							N
(B=M/#27943)											
4	1	172437-03322	LABEL, HYD.OIL TANK	1							
5	1	172462-03320	LABEL	1							
6	1	172437-03342	LABEL, TRANSPORT US	1							
6-1	1	172437-03343	LABEL, TRANSPORT US	1							N
(B=M/#28218)											
7	1	172437-03352	LABEL, GREASE CYL.	2							
8	1	172437-03361	LABEL, BATTERY US	1							
9	1	172437-03372	LABEL, NEUTRAL US	1							
10	1	172437-03381	LABEL,SWING AREA US	1							
11	1	172437-03391	LABEL, RADIATOR US	1							
12	1	172437-03402	LABEL, ENG,COVER US	1							
13	1	172A36-03411	LABEL, ENG ROOM	1							
14	1	172437-03422	LABEL, MUFFLER US	1							
15	1	172437-03432	LABEL, STEERING US	1							
16	1	172437-03461	LABEL, BOOM US	2							
17	1	172437-03471	LABEL, LEVER LOCK US	1							
18	1	172446-03652	LABEL, VARIABLE US	1							



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

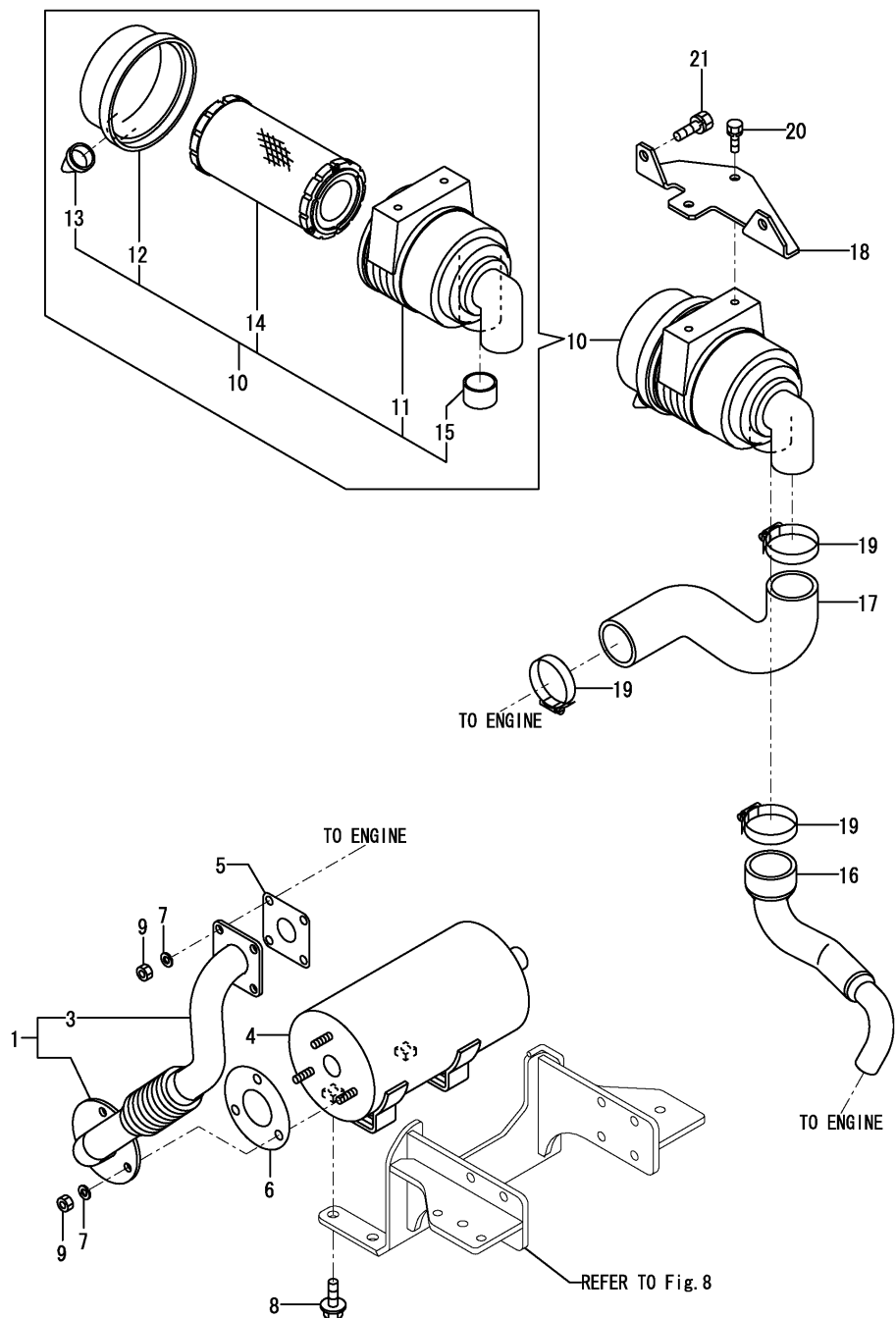
(D)=
(E)=
(F)=



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

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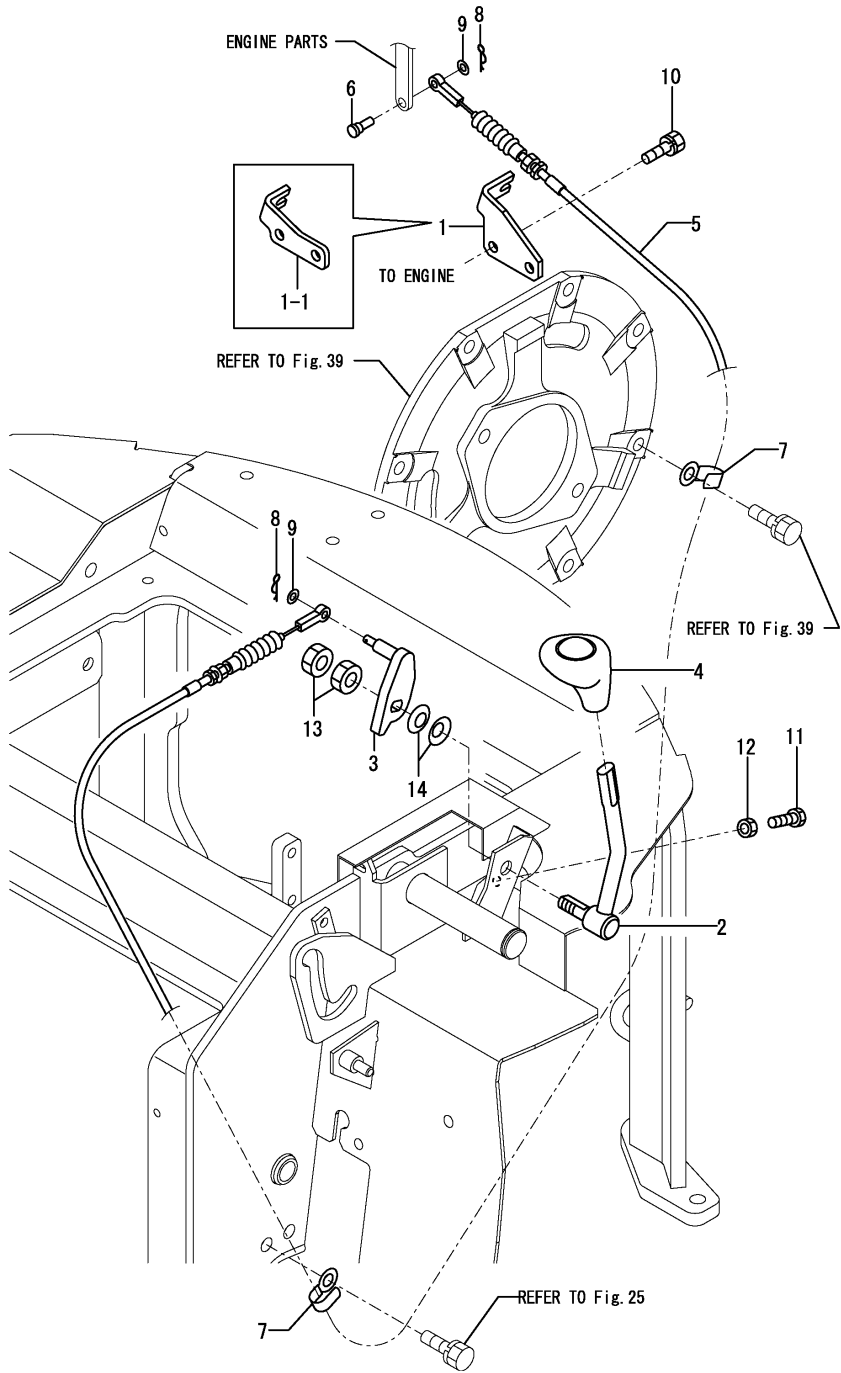
Fig.6. SILENSER & AIR CLEANER



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A55-11300	TUBE ASSY	1	1				
3	2	172183-11400	INSULATOR	1	1				
4	1	172A55-11360	SILENCER ASSY	1	1				
5	1	124701-11911	GASKET, SILENCER	1	1				
6	1	103954-13201	GASKET, SILENCER	1	1				
7	1	22217-080000	WASHER, SPRING 8	7	7				
8	1	26106-100202	BOLT, M10X 20 PLATED	4	4				
9	1	26716-080002	NUT, M8	7	7				
10	1	172448-11500	CLEANER ASSY, AIR	1	1				
11	2	172448-11510	BODY	1	1				
12	2	119258-12530	COVER ASSY.	1	1				
13	2	119808-12540	VALVE, UNLOADER	1	1				
14	2	119655-12560	ELEMENT	1	1				
15	2	105027-12580	RING	1	1				
16	1	172448-11520	HOSE A,AIR CLEANER	1	1				
17	1	172A55-11530	HOSE B, AIR CLEANER	1	1				
18	1	172448-11540	BRACKET,AIR CLEANER	1	1				
19	1	23000-060000	CLAMP, 60	3	3				
20	1	26013-080162	BOLT, M8X 16	2	2				
21	1	26013-100202	BOLT, M10X 20	2	2				

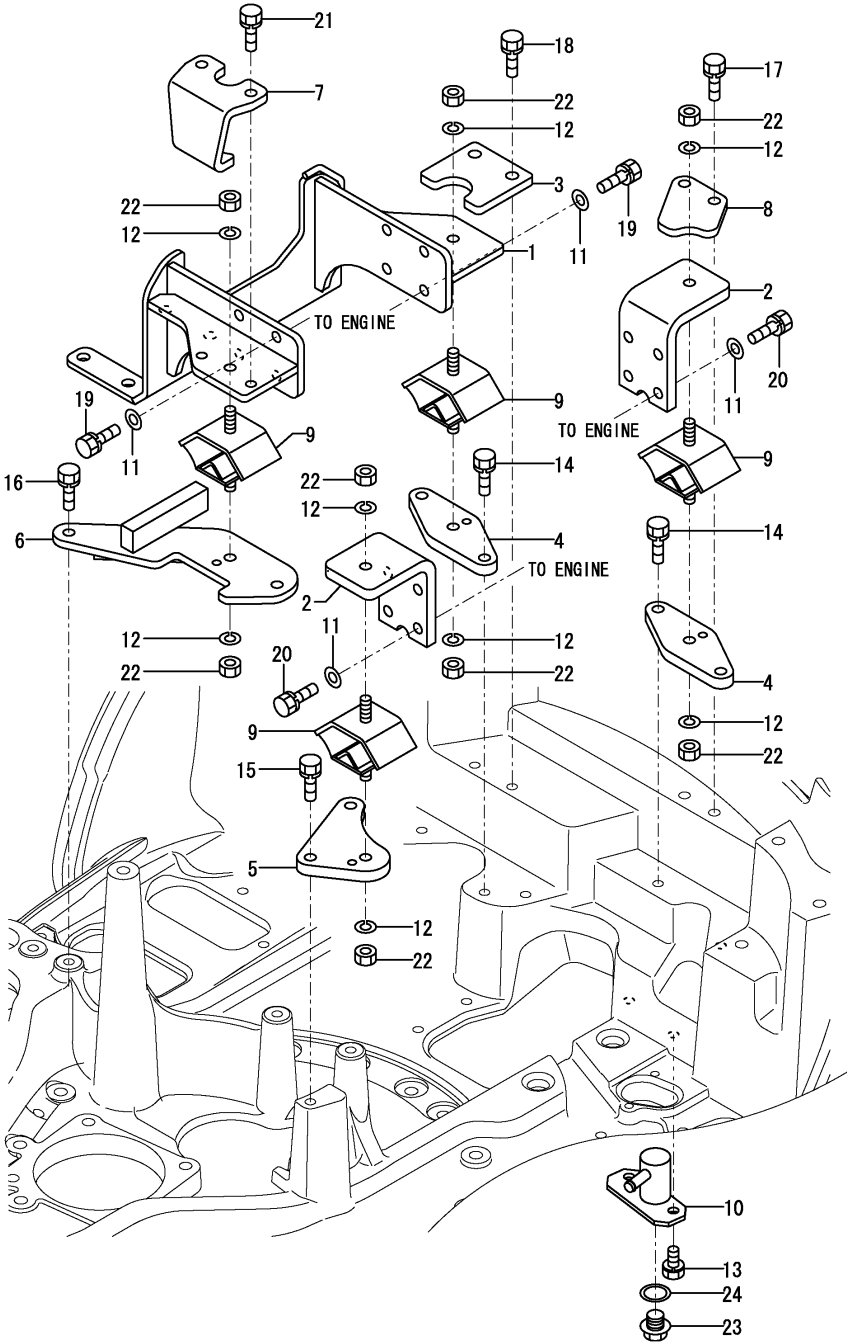
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A54-12100	BRACKET,ACCEL	1	1						
1-1	1	172A54-12101	BRACKET,ACCEL	1	1						S
		(A=M27204) (B=M27204)									
2	1	172448-12100	LEVER,ACCELERATOR(72	1	1						
2-1	1	172448-12100-1	LEVER,ACCELERATOR(49	1	1						S
		(A=M/#28498) (B=M/#28498)									
3	1	172448-12130	ARM ASSY	1	1						
4	1	172146-12150	GRIP, ACCELERATOR	1	1						
5	1	172A55-12200	CABLE, ACCELERATOR	1	1						
6	1	172113-12522	PIN	1	1						
7	1	172126-16540	CLAMP	1	1						
8	1	1C6281-52310	PIN, SNAP 6	2	2						
9	1	22137-060000	WASHER, 6	2	2						
10	1	26013-080162	BOLT, M8X 16	2	2						
11	1	26116-080254	BOLT, M8X 25 PLATED	1	1						
11-1	1	26116-080304	BOLT, M8X 30 PLATED	1	1						N
		(A=M/#27757) (B=M/#27757)									
12	1	26716-080002	NUT, M8	1	1						
13	1	26756-120002	NUT, LOCK M12	2	2						
14	1	933170-01490	SPRING	2	2						

Fig.8. ENGINE MOUNT

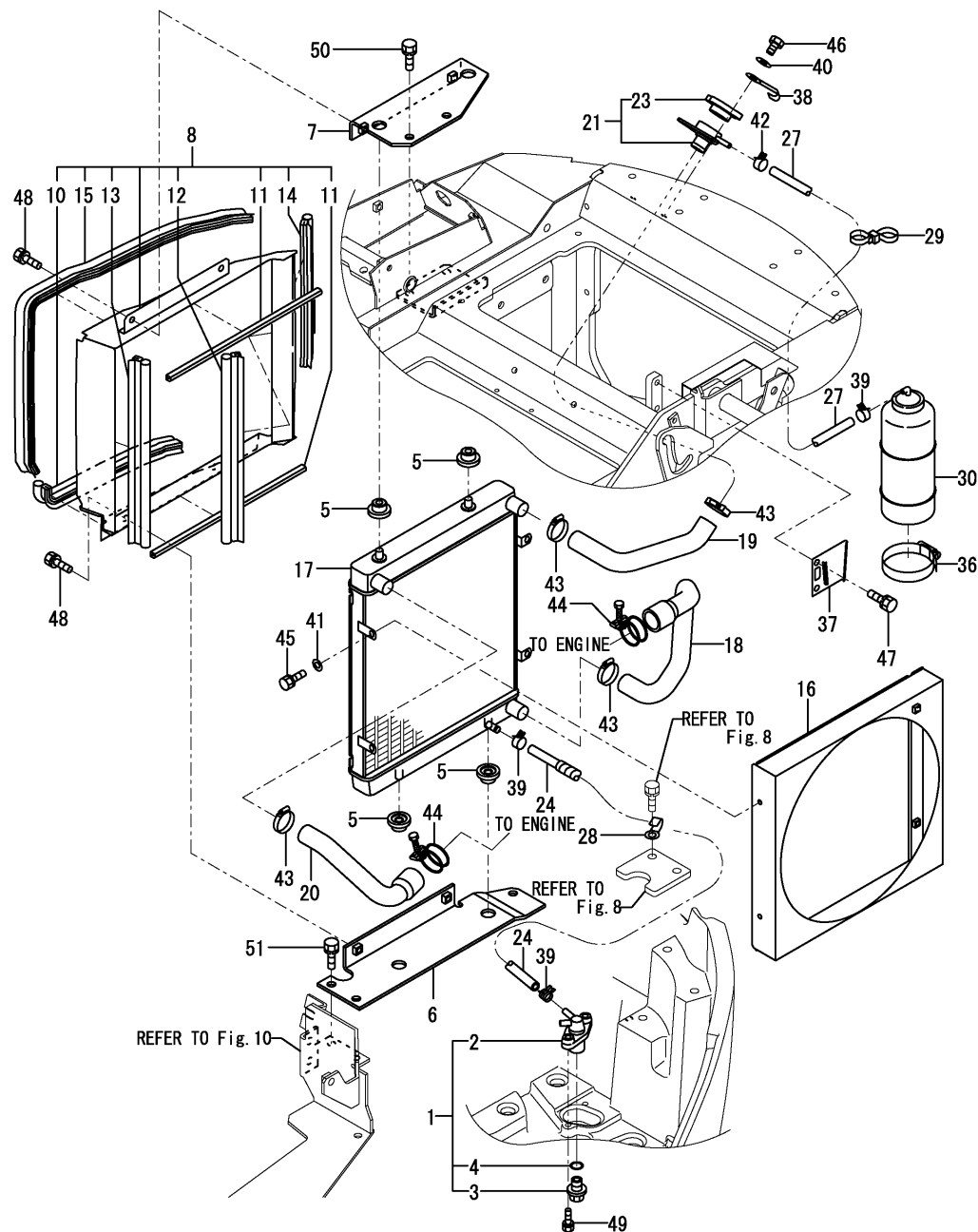


(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

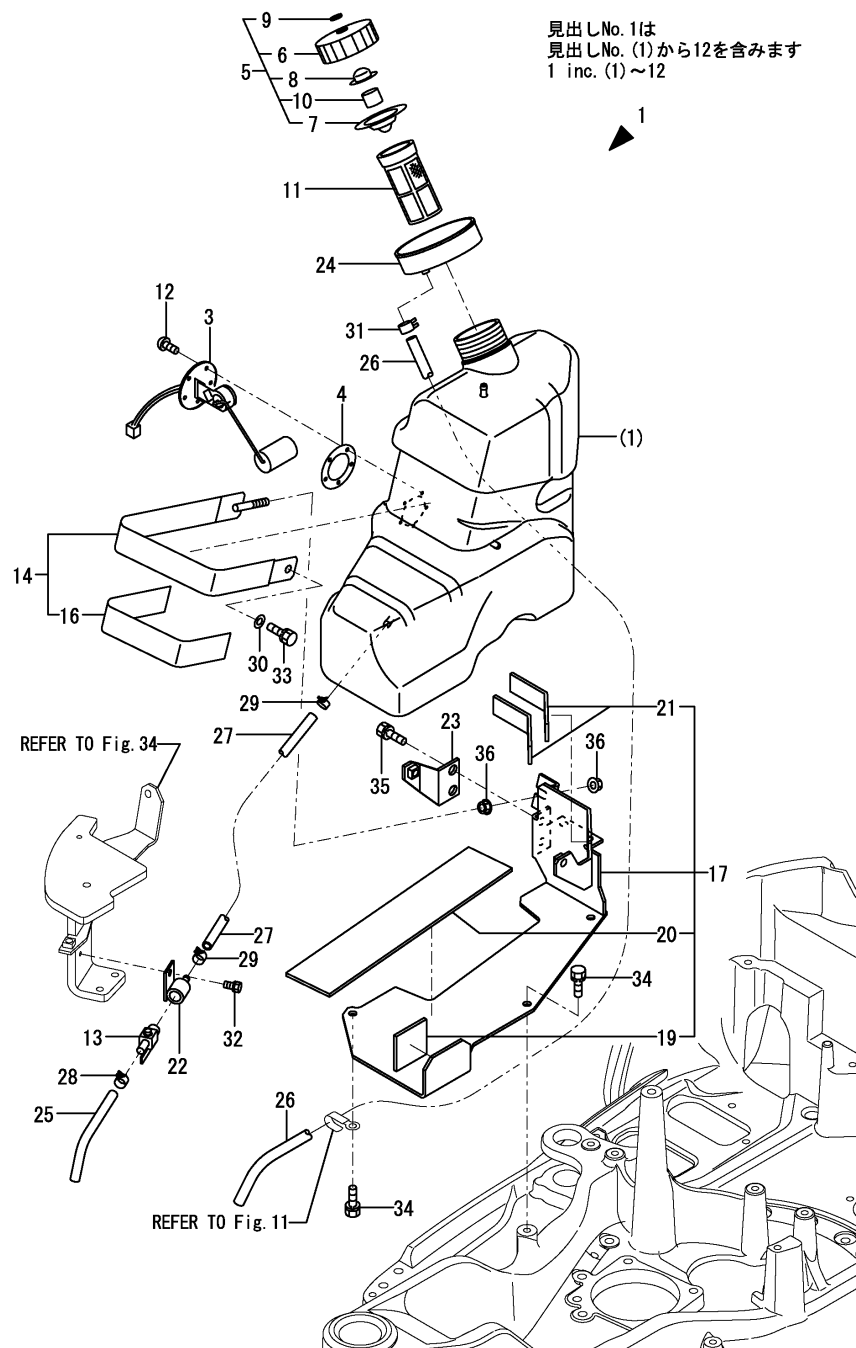
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A55-13100	MOUNT,ENGINE	1	1						
2	1	172A55-13150	MOUNT,ENGINE	2	2						
3	1	172157-13150	PLATE, STOPPER	1	1						
4	1	172448-13210	PLATE A,ENGINE	2	2						
5	1	172448-13220	PLATE B,ENGINE	1	1						
6	1	172448-13231	PLATE C ASSY	1	1						
7	1	172183-13250-1	STOPPER, ENGINE	1	1						
7-1	1	172183-13250-2	STOPPER, ENGINE	1	1						S
		(A=M/#28498) (B=M/#28498)									
8	1	172448-13260	PLATE E,ENGINE	1	1						
9	1	172448-13300	ABSORBER,SHOCK	4	4						
10	1	172A55-13700	BLOCK ASSY, DRAIN	1	1						
11	1	22137-100000	WASHER, 10	16	16						
12	1	22217-100000	WASHER, SPRING 10	8	8						
13	1	26013-100202	BOLT, M10X 20	2	2						
14	1	26013-100252	BOLT, M10X 25	4	4						
15	1	26013-100252	BOLT, M10X 25	2	2						
16	1	26013-100252	BOLT, M10X 25	2	2						
17	1	26013-100252	BOLT, M10X 25	2	2						
18	1	26013-100252	BOLT, M10X 25	2	2						
19	1	26013-100252	BOLT, M10X 25	8	8						
20	1	26013-100252	BOLT, M10X 25	8	8						
21	1	26013-100252	BOLT, M10X 25	2	2						
22	1	26716-100002	NUT, M10	8	8						
23	1	105425-01690	PLUG, 16	1	1						
24	1	22190-160002	WASHER, SEAL 16	1	1						

Fig.9. RADIATOR & MOUNT



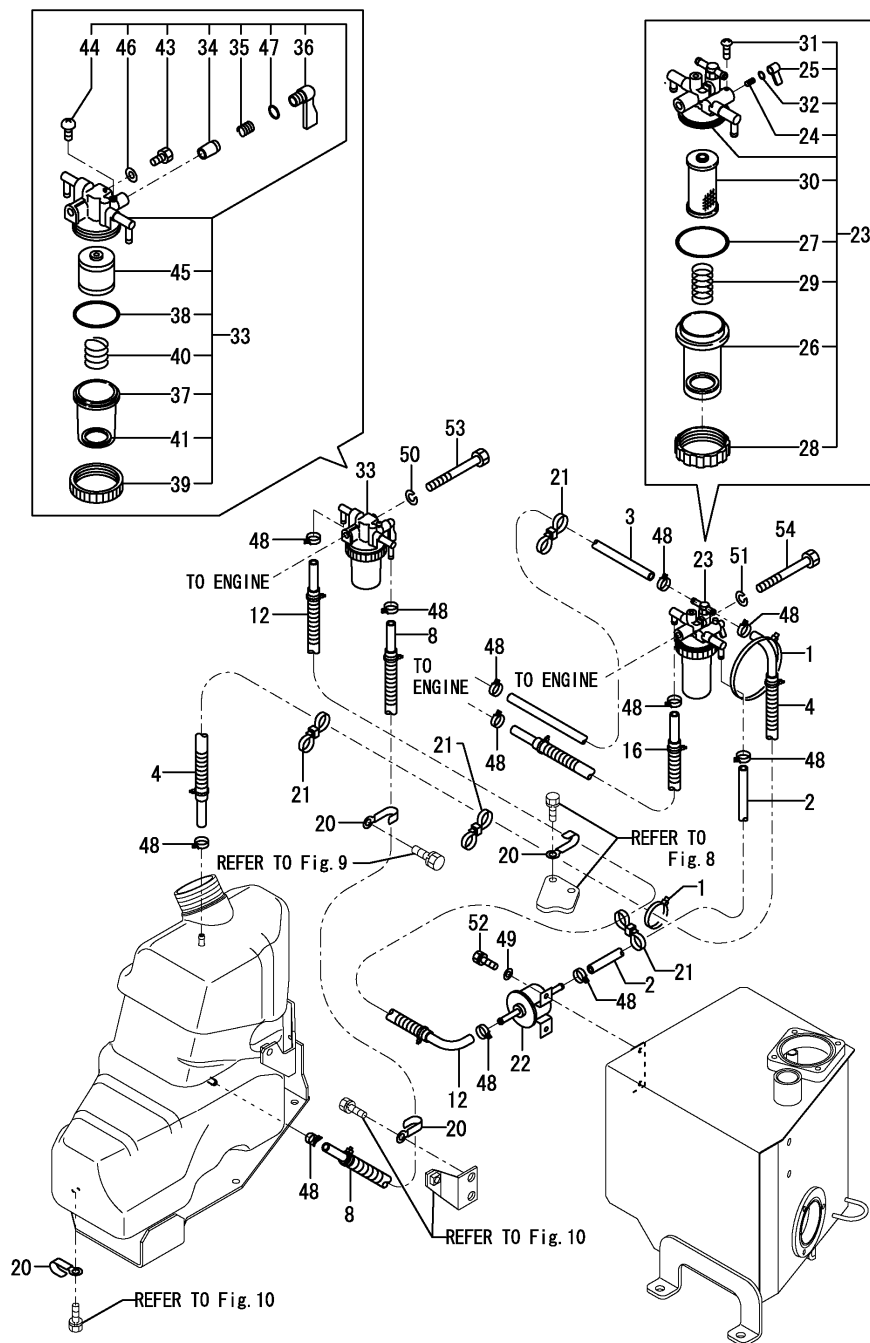
				(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=					(D)= (E)= (F)=			
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172444-13210	COCK ASSY, 2-WAY	1	1							
2	2	172444-13220	BODY	1	1							
3	2	121250-49121	PLUG, DRAIN	1	1							
4	2	24311-000160	O-RING, 1AP16.0	1	1							
5	1	172446-13330	ABSOBER,SHOCK	4	4							
6	1	172A55-13340	BRACKET ASSY,LOWER	1	1							
7	1	172A55-13370	BRACKET ASSY,UP	1	1							
8	1	172A55-13401	DUCT ASSY	1	1							
10	2	172162-15310	SEAL	1	1							
11	2	172183-45700	RUBBER,SUPPORT EDGE	2	2							
12	2	172448-65590	RUBBER, SEAL 330	1	1							
13	2	172444-65680	RUBBER, SEAL	1	1							
14	2	172168-65790	RUBBER, SEAL	1	1							
15	2	172989-68630	RUBBER, SEAL	1	1							
16	1	172448-13400	SHROUD ASSY	1	1							
17	1	172448-13500	RADIATOR	1	1							
18	1	172448-13510	PIPE, WATER	1	1							
19	1	172448-13520	PIPE, WATER	1	1							
20	1	172A55-13530	PIPE, WATER	1	1							
20-1	1	172A55-13531	PIPE, WATER	1	1						R	
	(A=M/#27545)	(B=M/#27545)										
21	1	172448-13540	FILLER	1	1							
23	2	172448-13560	CAP ASSY	1	1							
24	1	172187-14430	HOSE	1	1							
27	1	172183-14640	HOSE	1	1							
28	1	172126-16540	CLAMP	1	1							
29	1	172137-16560	BAND	1	1							
30	1	119813-44510	TANK ASSY	1	1							
36	1	124450-44550	BAND	1	1							
37	1	121256-44600	BRACKET, SUB TANK	1	1							
38	1	1A1686-57850	CLAMP, 80	1	1							
39	1	124766-59050	CLIP, HOSE 12	3	3							
40	1	22137-060000	WASHER, 6	2	2							
41	1	22137-060000	WASHER, 6	4	4							
42	1	23000-013000	CLAMP, 13	1	1							
43	1	23001-025000	CLAMP, HOSE 25	4	4							
44	1	23010-038000	CLAMP, 38	2	2							
45	1	26013-060122	BOLT, M6X 12	4	4							
46	1	26013-060162	BOLT, M6X 16	2	2							
47	1	26013-080162	BOLT, M8X 16	2	2							
48	1	26013-080162	BOLT, M8X 16	4	4							
49	1	26013-080402	BOLT, M8X 40	2	2							
50	1	26013-100202	BOLT, M10X 20	2	2							
51	1	26013-100202	BOLT, M10X 20	3	3							

Fig.10. FUEL TANK



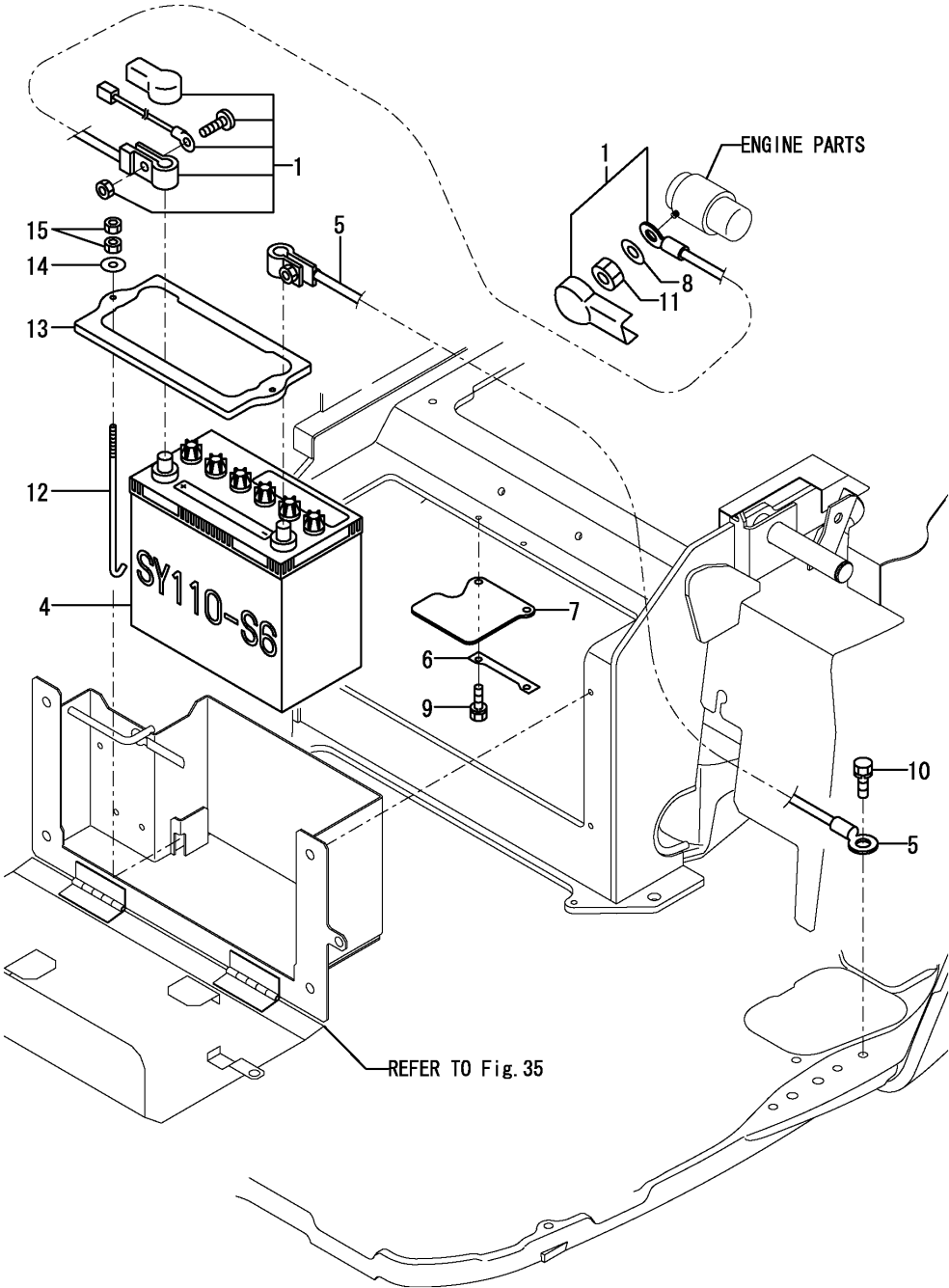
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	772448-14100	TANK ASSY, FUEL	1	1				
3	2	172456-14151	GAUGE, FUEL	1	1				
4	2	172162-14200	GASKET	1	1				
5	2	172444-14200	CAP, FUEL	1	1				
6	3	172444-14450	CAP	1	1				
7	3	172444-14460	GASKET	1	1				
8	3	172444-14470	GASKET	1	1				
9	3	172444-14480	WASHER	1	1				
10	3	172444-14490	SPONGE	1	1				
11	2	172183-14250	FILTER (FUEL	1	1				
12	2	26557-050122	SCREW, M5X12	5	5				
13	1	104200-11920	COCK, WATER	1	1				
14	1	172448-14150	CLAMP ASSY, FUEL	1	1				
16	2	172448-14180	RUBBER, CLAMP	1	1				
17	1	172A55-14200	MOUNT ASSY,FUEL TANK	1	1				
19	2	172446-14250	RUBBER PLATE	1	1				
20	2	172448-14300	RUBBER PLATE A	1	1				
21	2	172458-14380	RUBBER PLATE D,FO	2	2				
22	1	172444-14270	JOINT, DRAIN	1	1				
23	1	172448-14340	BRACKET ASSY,COVER	1	1				
24	1	172458-14370	SUMP, FUEL	1	1				
25	1	172444-14410	HOSE	1	1				
26	1	172458-14510	HOSE 9.5 X 750	1	1				
27	1	172448-14690	HOSE,FUEL 85	1	1				
28	1	106990-44660	CLIP, HOSE 12.5	1	1				
29	1	124766-59050	CLIP, HOSE 12	2	2				
30	1	22137-100000	WASHER, 10	1	1				
31	1	23080-013000	CLAMP, 13	1	1				
32	1	26013-080202	BOLT, M8X 20	1	1				
33	1	26013-100202	BOLT, M10X 20	1	1				
34	1	26013-100202	BOLT, M10X 20	3	3				
35	1	26013-100202	BOLT, M10X 20	2	2				
36	1	26367-100002	NUT, M10	2	2				

Fig.11. FUEL LINE



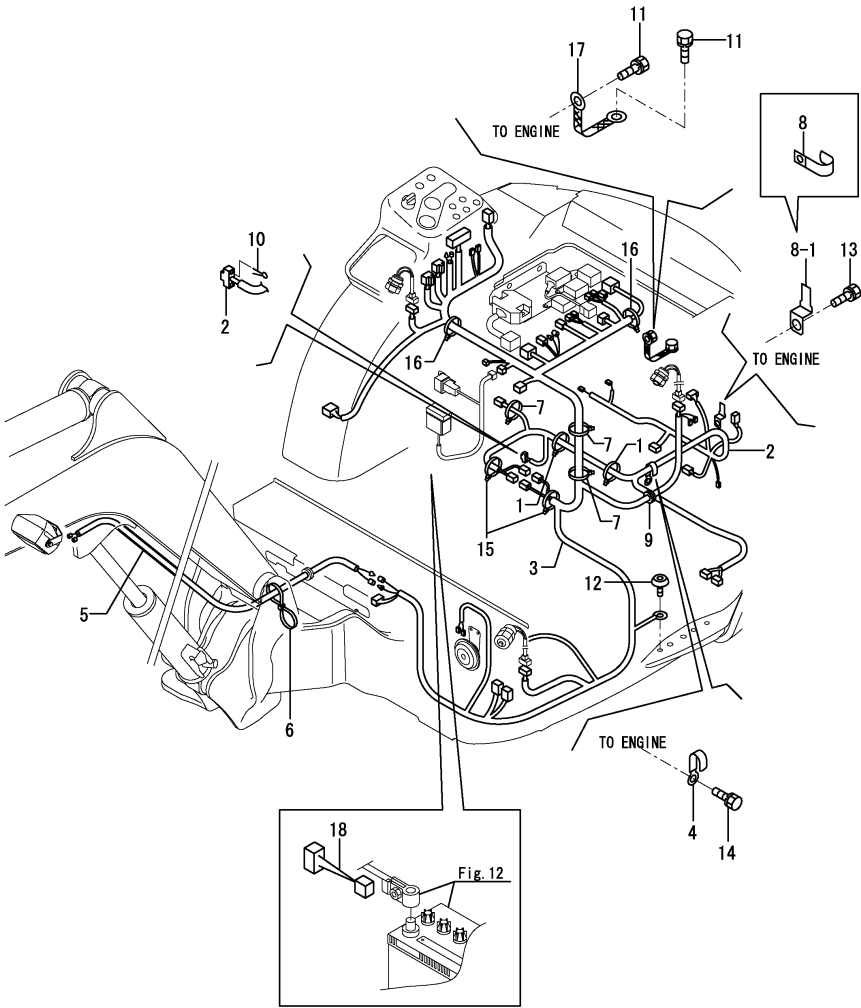
No.	Lev.	Parts No.	Description	(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=		(D)= (E)= (F)=			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172126-11510	BAND 300	2	2				
2	1	172171-13461	HOSE 7.5X13	1	1				
3	1	172122-14610	PIPE, FUEL	1	1				
4	1	172448-14610	HOSE 1350 ,FUEL	1	1				
8	1	172448-14630	HOSE 1100 ,FUEL	1	1				
12	1	172448-14650	HOSE 1600 ,FUEL	1	1				
16	1	172448-14670	HOSE 400 ,FUEL	1	1				
20	1	172126-16540	CLAMP	4	4				
21	1	172137-16560	BAND	4	4				
22	1	119225-52102	PUMP ASSY, FUEL FEED	1	1				
23	1	119833-55620	FILTER ASSY, FUEL	1	1				
24	2	104200-55330	SPRING, VALVE	1	1				
25	2	119810-55340	LEVER	1	1				
26	2	121254-55510	COVER	1	1				
27	2	102103-55520	O-RING	1	1				
28	2	110250-55610	RING, RETAINING	1	1				
29	2	121250-55620	SPRING	1	1				
30	2	119810-55650	ELEMENT	1	1				
31	2	104200-55750	SCREW, M4	1	1				
32	2	24311-240100	O-RING, 1AP10A	1	1				
33	1	129335-55700	SEPARATOR ASSY,WATER	1	1				
34	2	104200-55321	VALVE, TAPER	1	1				
35	2	104200-55330	SPRING, VALVE	1	1				
36	2	104200-55341	HANDLE	1	1				
37	2	124064-55510	COVER	1	1				
38	2	102103-55520	O-RING	1	1				
39	2	110250-55610	RING, RETAINING	1	1				
40	2	121257-55720	SPRING	1	1				
41	2	121257-55731	FLOAT	1	1				
43	2	101720-55750	PLUG, 6	2	2				
44	2	104200-55750	SCREW, M4	1	1				
45	2	171081-55910	SCREEN	1	1				
46	2	23418-060000	GASKET, 6X1.0	2	2				
47	2	24311-240100	O-RING, 1AP10A	1	1				
48	1	124766-59050	CLIP, HOSE 12	12	12				
49	1	22137-060000	WASHER, 6	2	2				
50	1	22217-080000	WASHER, SPRING 8	1	1				
51	1	22217-080000	WASHER, SPRING 8	1	1				
52	1	26013-060202	BOLT, M6X 20	2	2				
53	1	26116-080652	BOLT, M8X 65 PLATED	1	1				
54	1	26116-080652	BOLT, M8X 65 PLATED	1	1				

Fig.12. BATTERY



OCK10-M40401 Fig.12											
			(A)=VIO15-2A(JP)				(D)=				
			(B)=VIO15-2A(EX)				(E)=				
			(C)=				(F)=				
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A55-16100	CORD ASSY,BATTERY (+	1	1						
4	1	172175-16110	BATTERY	1	1						
5	1	172448-16130	HARNESS,BAT. MINUS	1	1						
6	1	172448-16150	PLATE,BATTERY	1	1						
7	1	172448-16160	COVER, BATTERY	1	1						
8	1	22137-080000	WASHER, 8	1	1						
9	1	26013-060122	BOLT, M6X 12	2	2						
10	1	26013-100202	BOLT, M10X 20	1	1						
11	1	26716-080002	NUT, M8	1	1						
12	1	172631-16350	ROD,BATTERY CLAMP	2	2						
13	1	194940-64750	CLAMP, BATTERY	1	1						
14	1	22157-060000	WASHER, 6	2	2						
15	1	26716-060002	NUT, M6	4	4						

Fig.13. ELECTRIC PART(WIRING)

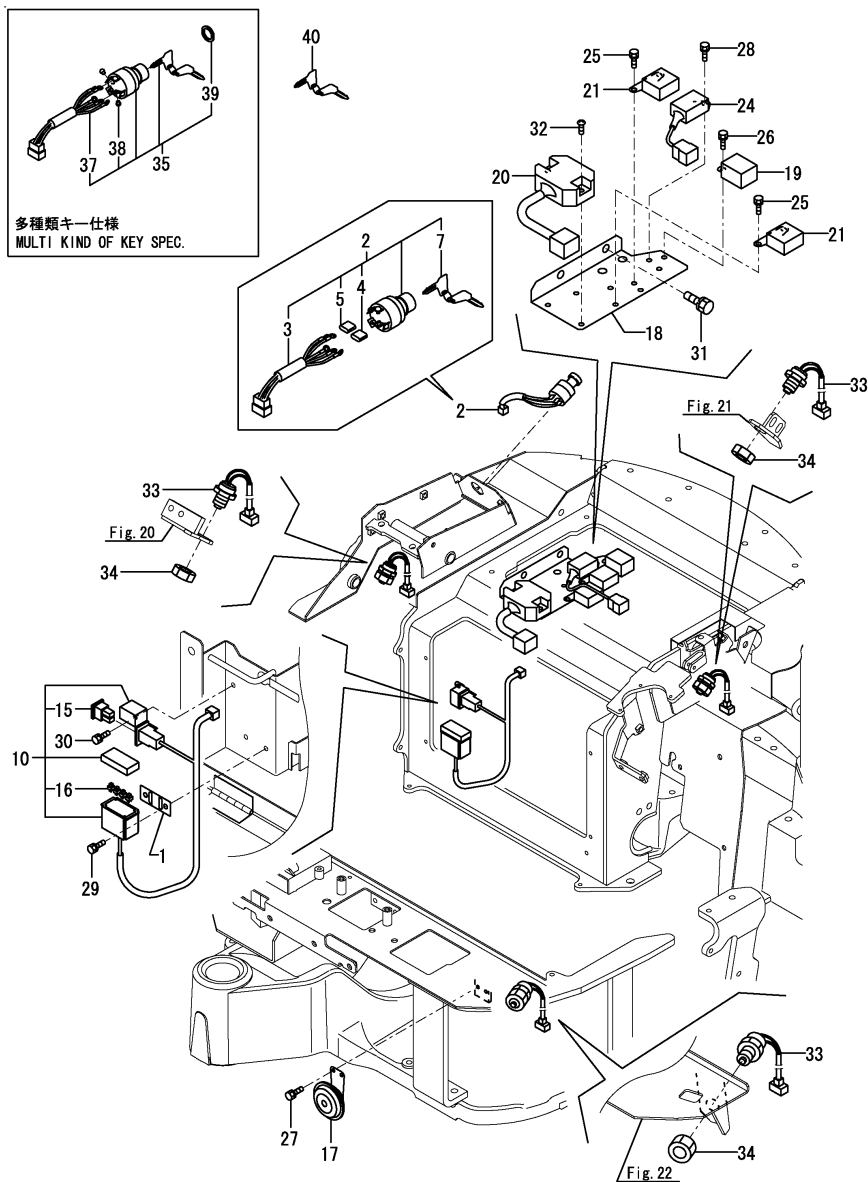
[illegible]

Remarks
(1)INTERCANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.2-1.

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

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Fig.14. ELECTRIC PART(EQUIPMENT)



Remarks
(1)Engine start only.
(2)For bonnet.

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

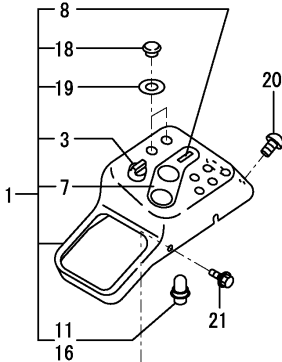
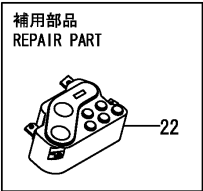
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-16550	BRACKET,FUSE	1	1						
2	1	172187-17100	SWITCH ASSY, STARTER	1	1						
3	2	172187-17070	CORD ASSY	1	1						
4	2	172187-17080	COVER	3	3						
5	2	172187-17090	COVER	2	2						
7	2	933110-00301	KEY ASSY	1	1						
10	1	172448-17200	FUSE	1	1						
15	2	172447-17150	FUSE 40A	1	1						
16	2	29420-150000	FUSE, B 15A	4	4						
17	1	194151-57100	HORN	1	1						
18	1	172448-64810	BRACKET,ELECTRIC	1	1						
19	1	119247-77100	RELAY, SAFETY	1	1						
20	1	119653-77710	LIMITER, CURRENT	1	1						
21	1	119650-77910	RELAY ASSY, GLOW	2	2						
24	1	129211-77920	TIMER	1	1						
25	1	26013-060162	BOLT, M6X 16	4	4						
26	1	26013-060162	BOLT, M6X 16	1	1						
27	1	26013-060162	BOLT, M6X 16	2	2						
28	1	26013-060162	BOLT, M6X 16	1	1						
29	1	26013-060162	BOLT, M6X 16	2	2						
30	1	26013-060162	BOLT, M6X 16	1	1						
31	1	26013-100202	BOLT, M10X 20	2	2						
32	1	26022-060252	SCREW, M6X25	2	2						
33	1	194464-52190	SWITCH, SAFETY START	3	3						
34	1	26776-180002	NUT, LOCK M18	3	3						
35	1	172458-17171	KEY ASSY	1							1
37	3	172458-17150	HARNESS	1							
38	3	26022-050102	SCREW, M5X10	5							
39	2	172458-17161	PLATE	1							
40	1	933110-00301	KEY ASSY	1	1						2

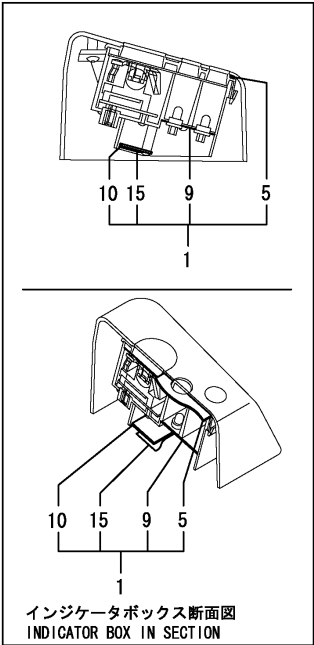
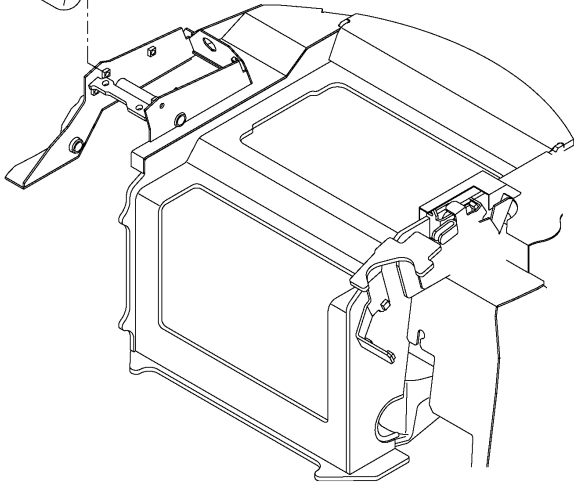
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.15. ELECTRIC PART(INDICATOR BOX)



REFER TO Fig. 34



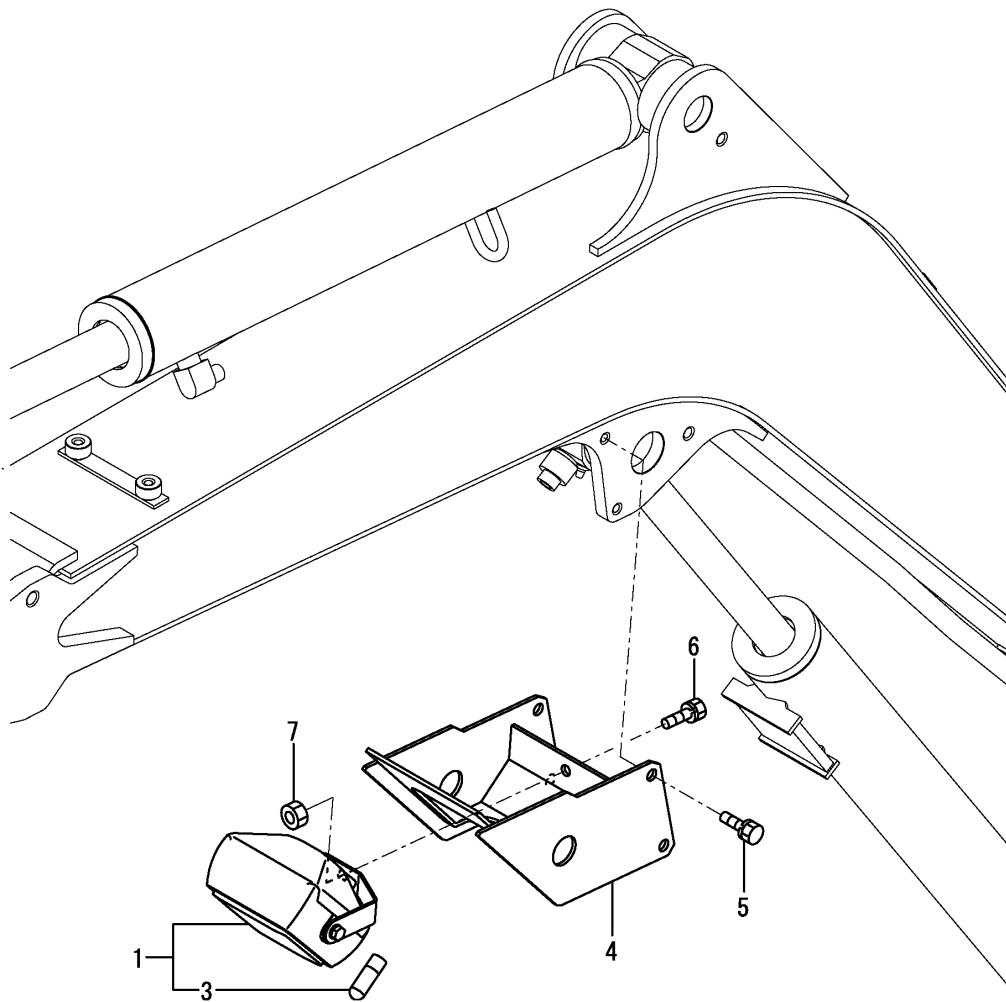
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-17501	BOX,INDICATOR(CANOPY	1	1						1
3	2	172187-17280	SWITCH ASSY, LIGHT	1	1						
5	2	172187-17320	PACKING	1	1						
7	2	172187-17341	GAUGE ASSY	1	1						
8	2	172187-17350	METER ASSY, HOUR	1	1						
9	2	172187-17360	PRINT, CIRCUIT	1	1						
10	2	172187-17371	CIRCUIT ASSY	1	1						
11	2	172187-17380	BULB	4	4						
15	2	172187-17470	PLATE	1	1						
16	2	172187-17480	BULB	2	2						
18	2	172187-17560	CAP	2	2						
19	2	172187-17570	GASKET	2	2						
20	1	172458-46720	BOLT	1	1						
21	1	172519-63240	BOLT	3	3						
22	1	172A77-17500	MONITOR ASSY	1	1					W	2
(A=MZZZZZ) (B=MZZZZZ)											

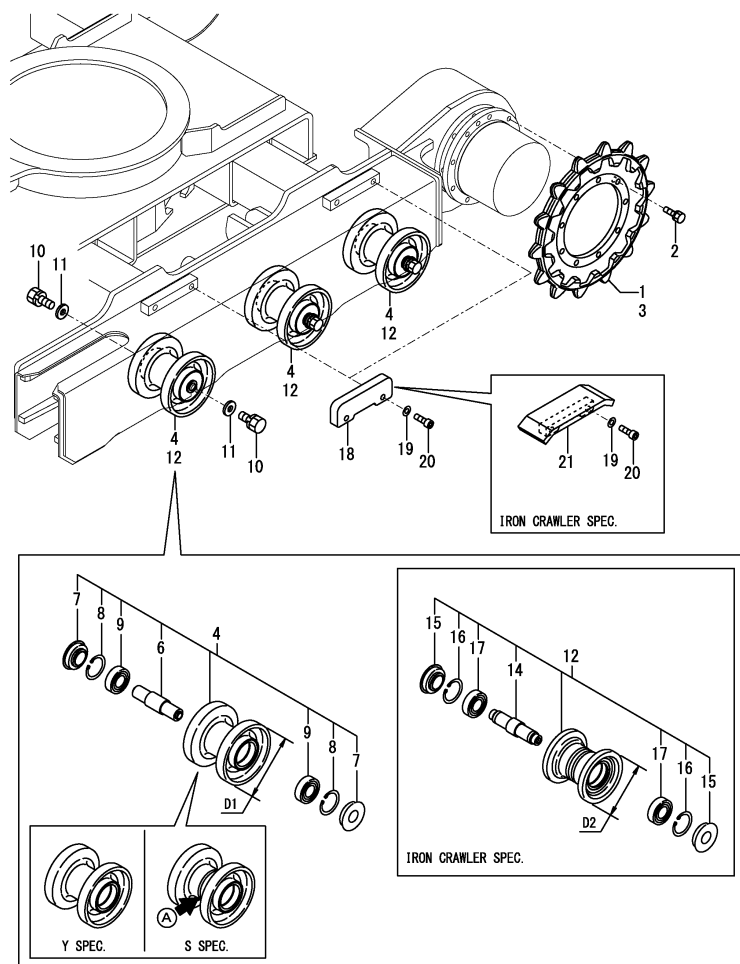
Remarks
(1)HOUR METER = ANALOG TYPE.
ONLY THE MONITOR PORT COPE IN
REF.NO.22.
(2)HOUR METER = L.C.D. TYPE.

Fig.16. WORK LAMP



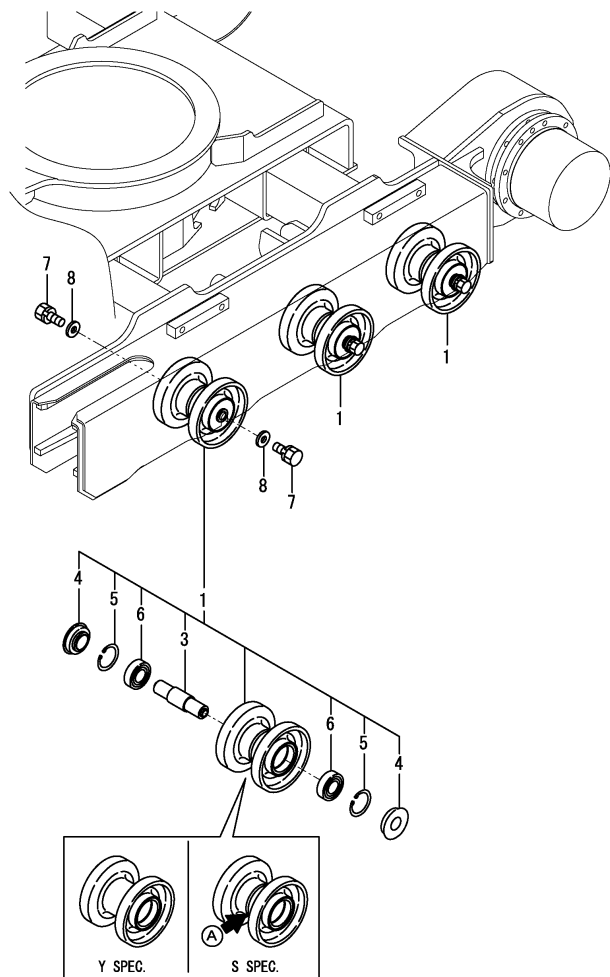
No.	Lev.	Parts No.	Description	(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172156-17401	LAMP, WORK	1	1						
3	2	172156-17420	BULB, 12V 27W	1	1						
4	1	172448-17400	COVER, LAMP	1	1						
5	1	26013-080162	BOLT, M8X 16	4	4						
6	1	26013-080162	BOLT, M8X 16	1	1						
7	1	26716-080002	NUT, M8	1	1						

Fig.17. SPROCKET & TRACK ROLLER



				(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=						(D)= (E)= (F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty		(C)	(D)	(E)	(F)	I	R
1	1	172448-29100	SPROCKET	2	2								1
1-1	1	172448-29100-2	SPROCKET	2	2							S	1
		(A=M/#28498)	(B=M/#28498)										
2	1	26013-100252	BOLT, SPRING M10X 25	18	18								
3	1	172448-29110	SPROCKET	2									2
3-1	1	172448-29110-1	SPROCKET	2								S	2
		(A=M/#28498)											
4	1	772448-37300	ROLLER ASSY, TRACK	6	6								
4-1	1	772448-37300-2	ROLLER ASSY, TRACK	6	6							S	
		(A=M/#28498)	(B=M/#28498)										
4-2	2	772A64-37300-2	ROLLER ASSY, TRACK	6	6								R
		(A=*2007.04.)	(B=*2007.04.)										
4-3	1	772A64-37300-2	ROLLER ASSY, TRACK	6	6								Z 3
		(A=*2014.04.)	(B=*2014.04.)										
6	2	172448-37310	SHAFT, ROLLER	6	6								
7	2	1E6140-73420	SEAL, OIL 25X52X18	12	12								
8	2	22252-000520	RING, 52	12	12								
9	2	24101-062054	BEARING, BALL 6205	12	12								
10	1	26013-120252	BOLT, SPRING M12X 25	12	12								
11	1	933152-03700	WASHER, CLUTCH	12	12								
12	1	772448-37310	ROLLER ASSY, TRACK	6									
12-1	1	772448-37310-1	ROLLER ASSY, TRACK	6								S	4
		(A=M/#28498)											
14	2	172448-37320	SHAFT, ROLLER	6									
15	2	1E6140-73420	SEAL, OIL 25X52X18	12									
16	2	22252-000520	RING, 52	12									
17	2	24101-062054	BEARING, BALL 6205	12									
18	1	172448-37500	PLATE, SHOE	4	4								
18-1	1	172448-37500-2	PLATE, SHOE	4	4							S	
		(A=M/#28498)	(B=M/#28498)										
19	1	22217-100000	WASHER, SPRING 10	8	8								
20	1	26450-100352	BOLT, M10X 35	8	8								
21	1	172448-37510	PLATE, SHOE	4									
21-1	1	172448-37510-1	SHOE PLATE (GRAY:49)	4								S	
		(A=M/#28498)											

(1)Rubber crawler specification.
(2)Iron crawler specification.
(3)Compatibility by assembly exchange with parts of Fig.87(17A) No.1.
The inner parts are not compatible.
A : There is no welding in the Y specifications, and there is welding in the S specifications.
D1=130mm.
(4)D2=110mm.

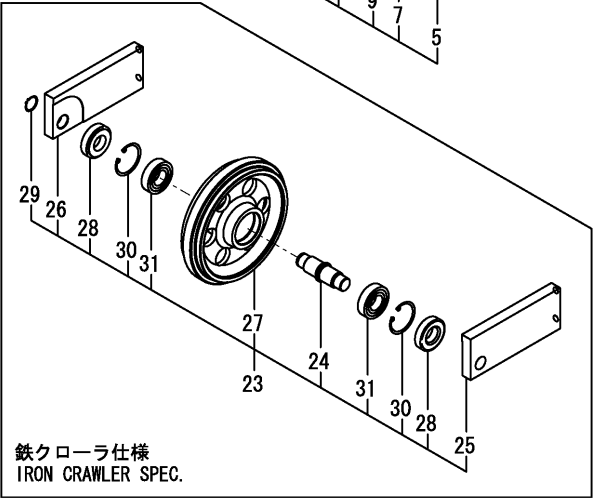
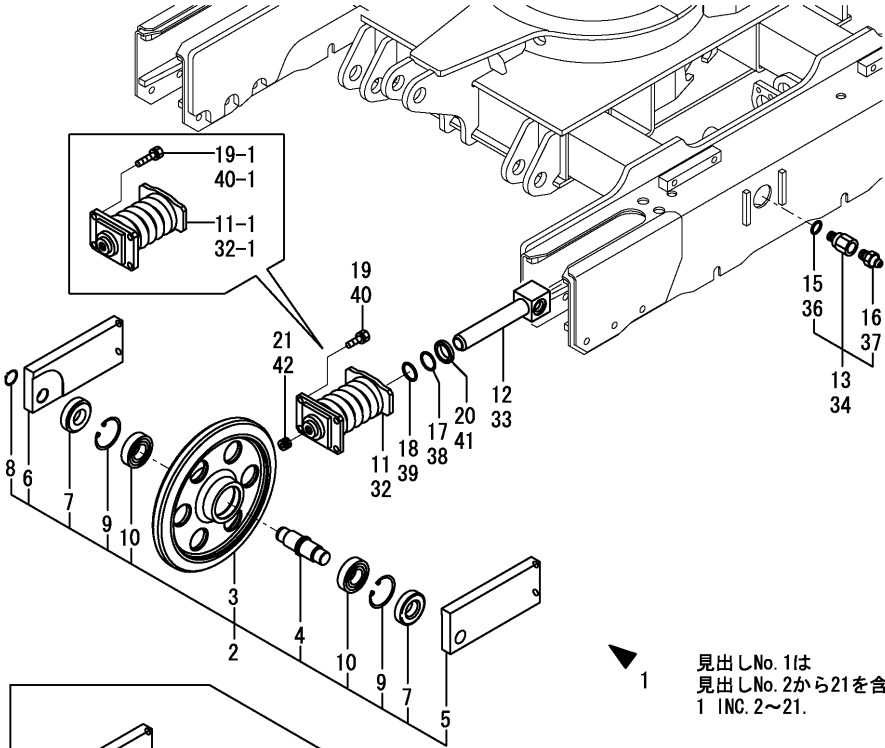


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	1	172A64-37400	ROLLER ASSY, LOWER	6	6					W
		(A=*2015.04.) (B=*2015.04.)								
3	2	172A64-37420	SHAFT	6	6					
4	2	1E6140-73420	SEAL, OIL 25X52X18	12	12					
5	2	22252-000520	RING, 52	12	12					
6	2	24101-062054	BEARING, BALL 6205	12	12					
7	1	26013-120252	BOLT, M12X 25	12	12					
8	1	933152-03700	WASHER, CLUTCH	12	12					

The inner parts are not compatible.

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.18. IDLER & ADJUST



鉄クローラ仕様
IRON CRAWLER SPEC.

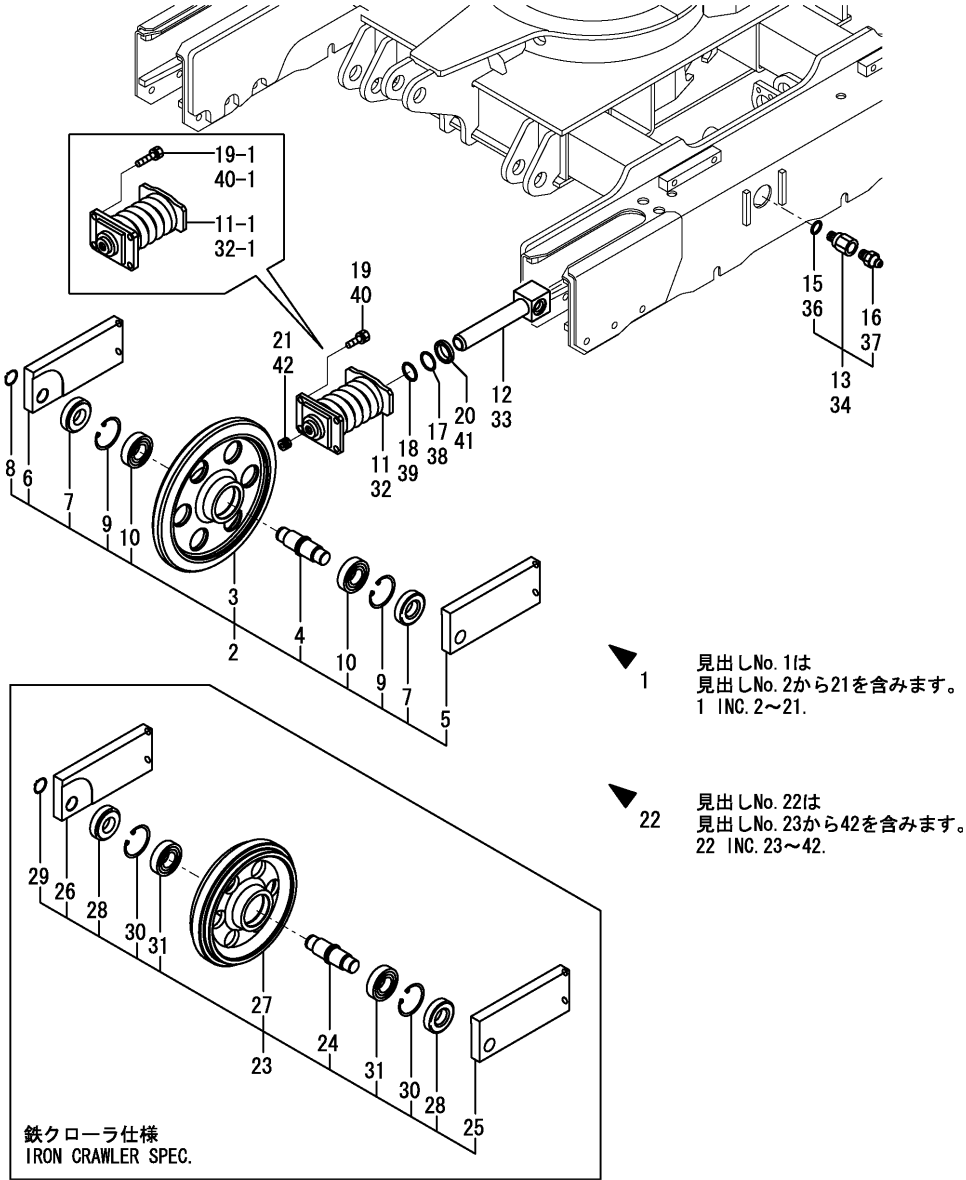
見出しNo. 1は
見出しNo. 2から21を含みます。
1 INC. 2~21.

見出しNo. 22は
見出しNo. 23から42を含みます。
22 INC. 23~42.

Remarks
(1)INTERCANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.11-1.
(2)INTERCANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.32-1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772448-37120	IDLER ASSY, RUBBER	2	2						
1-1	1	772448-37120-1	IDLER ASSY, RUBBER	2	2						S
		(A=M/#28498) (B=M/#28498)									
2	2	772448-37100	IDLER ASSY, RUBBER	2	2						
2-1	2	772448-37100-2	IDLER ASSY, RUBBER	2	2						S
		(A=M/#28498) (B=M/#28498)									
3	3	172448-37100	IDLER ASSY	2	2						
3-1	3	172448-37100-2	IDLER ASSY	2	2						S
		(A=M/#28498) (B=M/#28498)									
4	3	172448-37110	SHAFT, IDLER	2	2						
5	3	172448-37130	FORK, IDLER L (GREEN88	2	2						
5-1	3	172448-37130-2	FORK, IDLER L (GRAY:49	2	2						S
		(A=M/#28498) (B=M/#28498)									
6	3	172448-37140	FORK, IDLER R (GREEN88	2	2						
6-1	3	172448-37140-2	FORK, IDLER R (GRAY:49	2	2						S
		(A=M/#28498) (B=M/#28498)									
7	3	1A1060-48300	SEAL, QLN30X62X13.2	4	4						
8	3	22242-000250	RING, 25	2	2						
9	3	22252-000620	RING, 62	4	4						
10	3	24101-062064	BEARING, BALL 6206	4	4						
11	2	172448-37710	SPRING ASSY, ADJUST	2	2						
11-1	2	172448-37711	SPRING ASSY, ADJUST	2	2						R
		(A=M/#28301) (B=M/#28301)									
12	2	172448-37800	TUBE ASSY, ADJUST	2	2						
13	2	172122-37844	VALVE ASSY, NIPPLE	2	2						
15	3	24315-000140	O-RING, 1BP14.0	2	2						
16	3	24761-020000	NIPPLE, GREASE PT1/8	2	2						
17	2	172137-37850	RING, BACK UP	2	2						
18	2	24315-000300	O-RING, 1BP30.0	2	2						
19	2	26013-100302	BOLT, M10X 30	8	8						
19-1	2	26013-100352	BOLT, M10X 35	8	8						F 1
		(A=M/#28301) (B=M/#28301)									
20	2	933126-38600	SEAL, DUST	2	2						
21	2	933171-13691	PLUG PT1/8	2	2						
22	1	772448-37130	IDLER ASSY, IRON	2							
22-1	1	772448-37130-1	IDLER ASSY, IRON	2							S
		(A=M/#28498)									
23	2	772448-37110	IDLER ASSY, IRON	2							
23-1	2	772448-37110-1	IDLER ASSY, IRON	2							S
		(A=M/#28498)									
24	3	172448-37110	SHAFT, IDLER	2							
25	3	172448-37130	FORK, IDLER L (GREEN88	2							
25-1	3	172448-37130-2	FORK, IDLER L (GRAY:49	2							S
		(A=M/#28498)									
26	3	172448-37140	FORK, IDLER R (GREEN88	2							
26-1	3	172448-37140-2	FORK, IDLER R (GRAY:49	2							S
		(A=M/#28498)									
27	3	172448-37200	IDLER ASSY	2							
27-1	3	172448-37200-1	IDLER ASSY	2							S
		(A=M/#28498)									
28	3	1A1060-48300	SEAL, QLN30X62X13.2	4							

OCK10-M40401 TRAVELING
Fig.18. IDLER & ADJUST



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

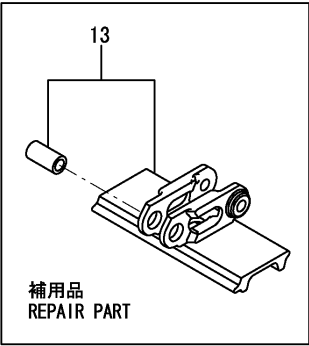
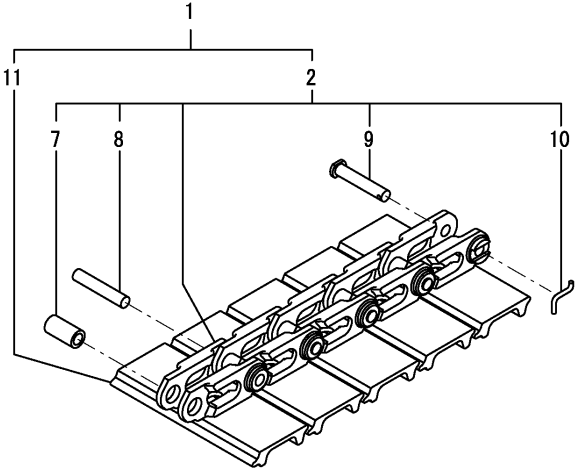
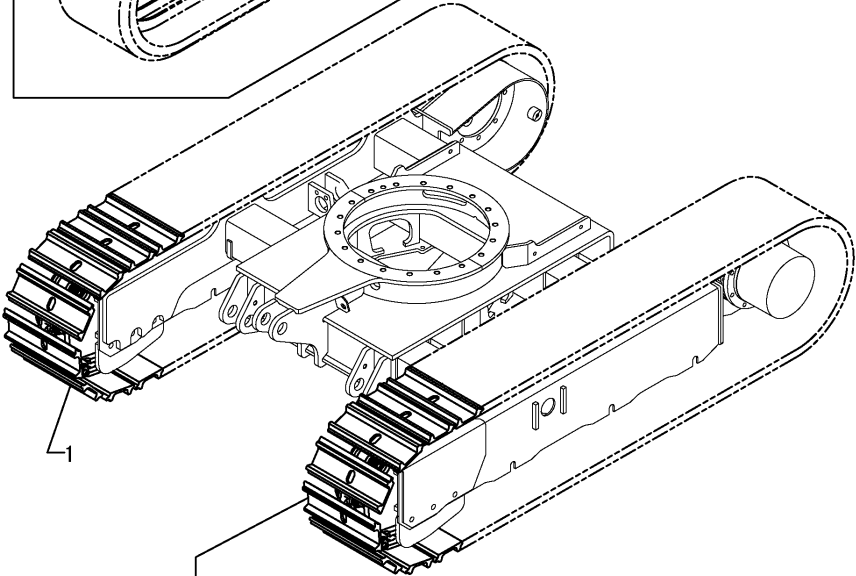
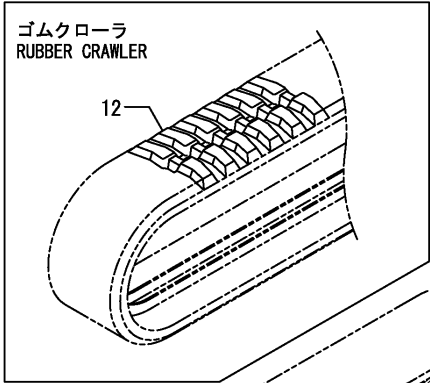
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	3	22242-000250	RING, 25	2							
30	3	22252-000620	RING, 62	4							
31	3	24101-062064	BEARING, BALL 6206	4							
32	2	172448-37710	SPRING ASSY, ADJUST	2							
32-1	2	172448-37711	SPRING ASSY, ADJUST	2							R
(A=M/#28301)											
33	2	172448-37800	TUBE ASSY, ADJUST	2							
34	2	172122-37844	VALVE ASSY, NIPPLE	2							
36	3	24315-000140	O-RING, 1BP14.0	2							
37	3	24761-020000	NIPPLE, GREASE PT1/8	2							
38	2	172137-37850	RING, BACK UP	2							
39	2	24315-000300	O-RING, 1BP30.0	2							
40	2	26013-100302	BOLT, M10X 30	8							
40-1	2	26013-100352	BOLT, M10X 35	8							F 2
(A=M/#28301)											
41	2	933126-38600	SEAL, DUST	2							
42	2	933171-13691	PLUG PT1/8	2							

Remarks
(1)INTERCANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.11-1.
(2)INTERCANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.32-1.

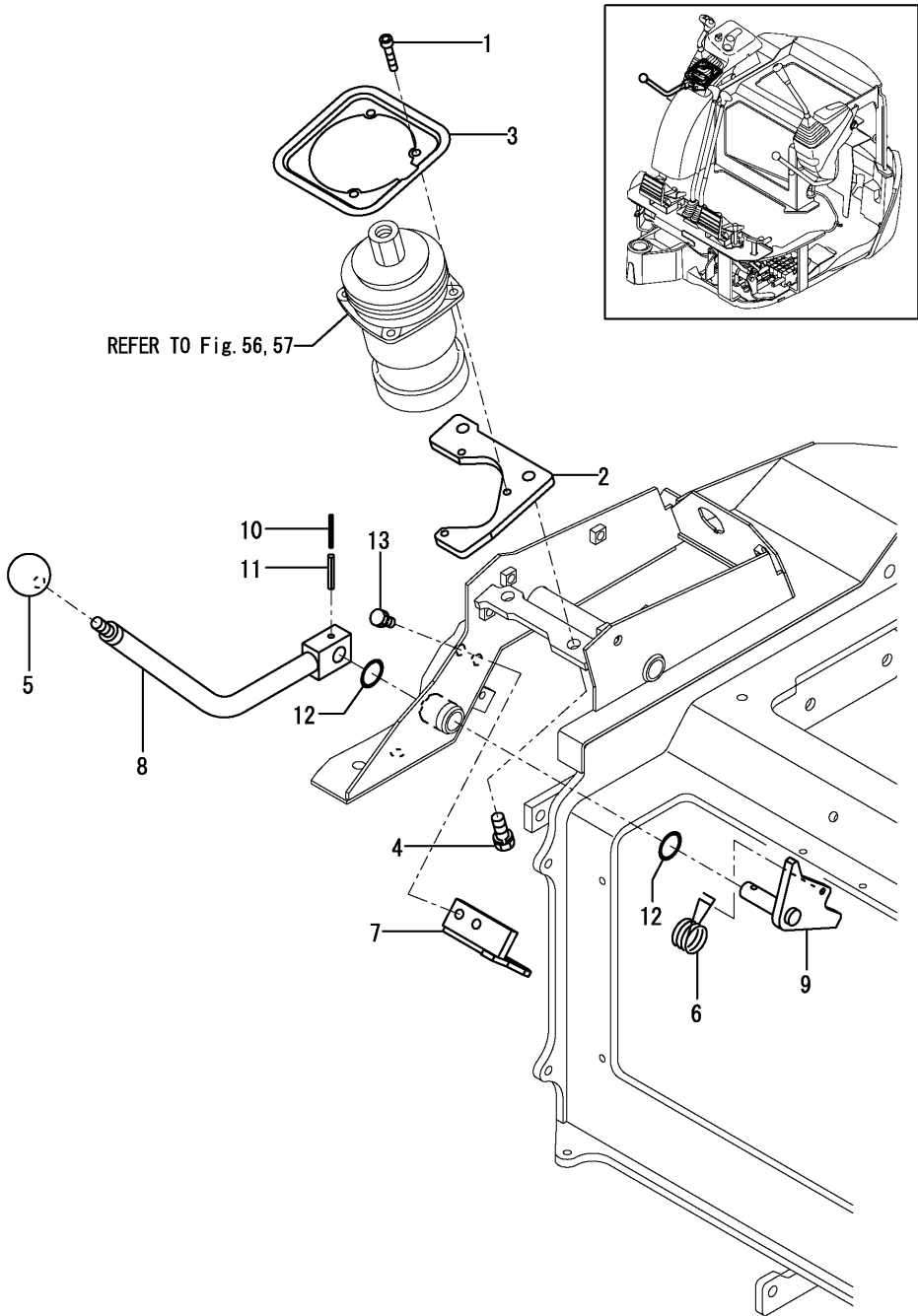
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



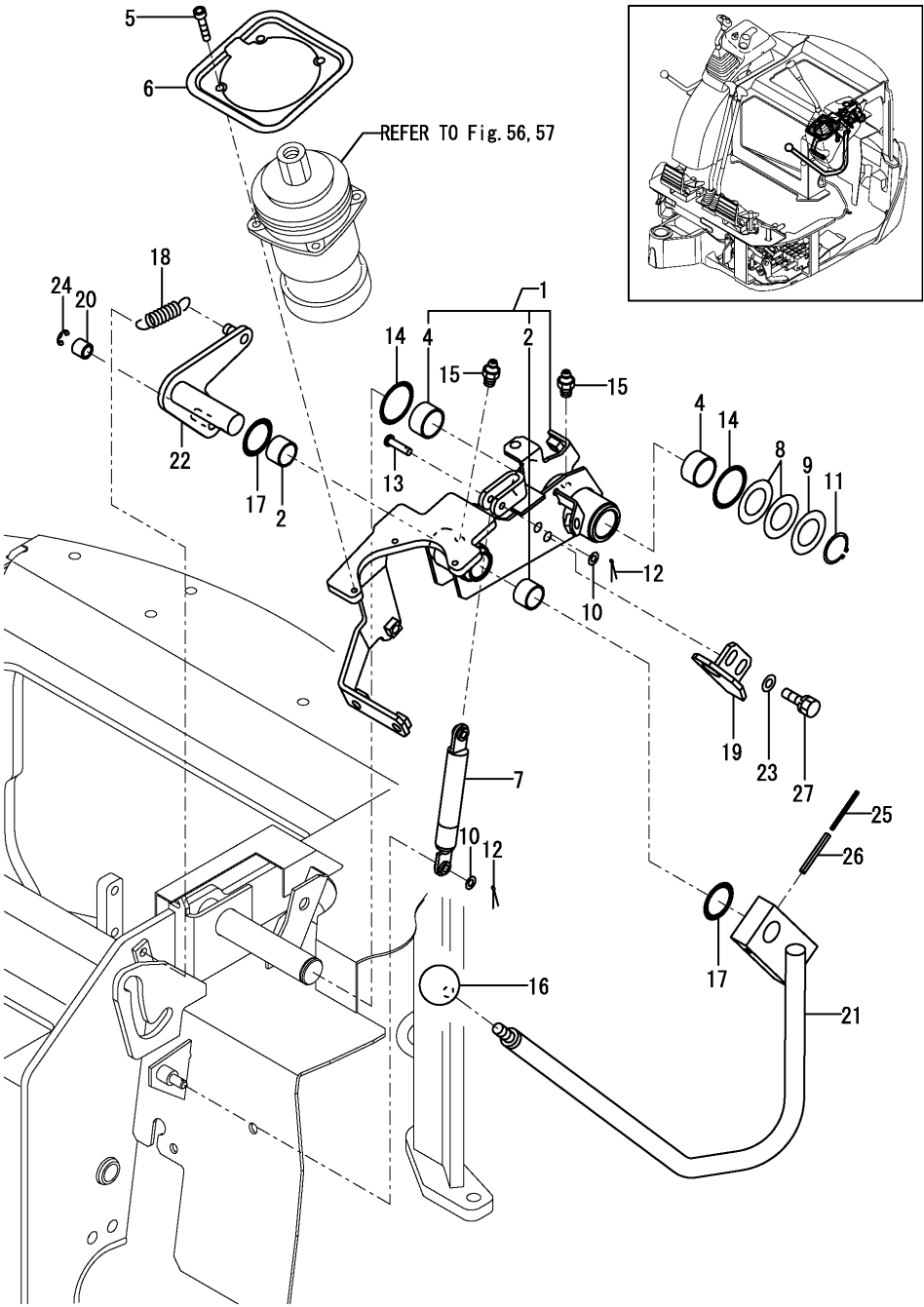
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-38101	CRAWLER ASSY	2							
1-1	1	172448-38101-1	CRAWLER ASSY	2							S
(A=M/#28498)											
2	2	172448-38110	LINK, TRACK (88)	2							
2-1	2	172448-38110-2	LINK, TRACK(GRAY:49)	2							S
(A=M/#28498)											
7	3	172173-38200	BUSH 22.15X43	72							
8	3	172173-38210	PIN(CRAWLER	70							
9	3	172173-38220	PIN,MASTER	2							
10	3	172173-38300	PIN 4X22,LOCK	2							
11	2	172448-38231	SHOE PLATE 230	72							
12	1	172448-38600	CRAWLER, RUBBER	2	2						
13	1	172448-38301	TRACK ASSY, MASTER	1							
13-1	1	172448-38301-1	TRACK ASSY, MASTER	1							S
(A=M/#28498)											

Fig.20. CONTROL EQUIPMENT(LOCK LEVER & STAND)(RIGHT)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-46730	BOLT N6X30	3	3						
2	1	172448-46790	PLATE R,REMOTE CON.	1	1						
3	1	172455-46941	PLATE R,BOOTS (73)	1	1						
4	1	26013-100202	BOLT, M10X 20	2	2						
5	1	1D4070-23580	GRIP	1	1						
6	1	172165-45970	SPRING	1	1						
7	1	172448-46960	BRACKET,SW	1	1						
8	1	172448-47680	LOCK LEVER R(GRAY:72	1	1						
8-1	1	172448-47680-1	LOCK LEVER R(GRAY:49	1	1						S
(A=M/#28498) (B=M/#28498)											
9	1	172448-47700	SHAFT ASSY, LEVER	1	1						
10	1	22351-030032	PIN, SPRING 3.0X32	1	1						
11	1	22351-050032	PIN, SPRING 5.0X32	1	1						
12	1	24311-000210	O-RING, 1AP21.0	2	2						
13	1	26013-080162	BOLT, M8X 16	2	2						

Fig.21. CONTROL EQUIPMENT(LOCK LEVER & STAND)(LEFT)

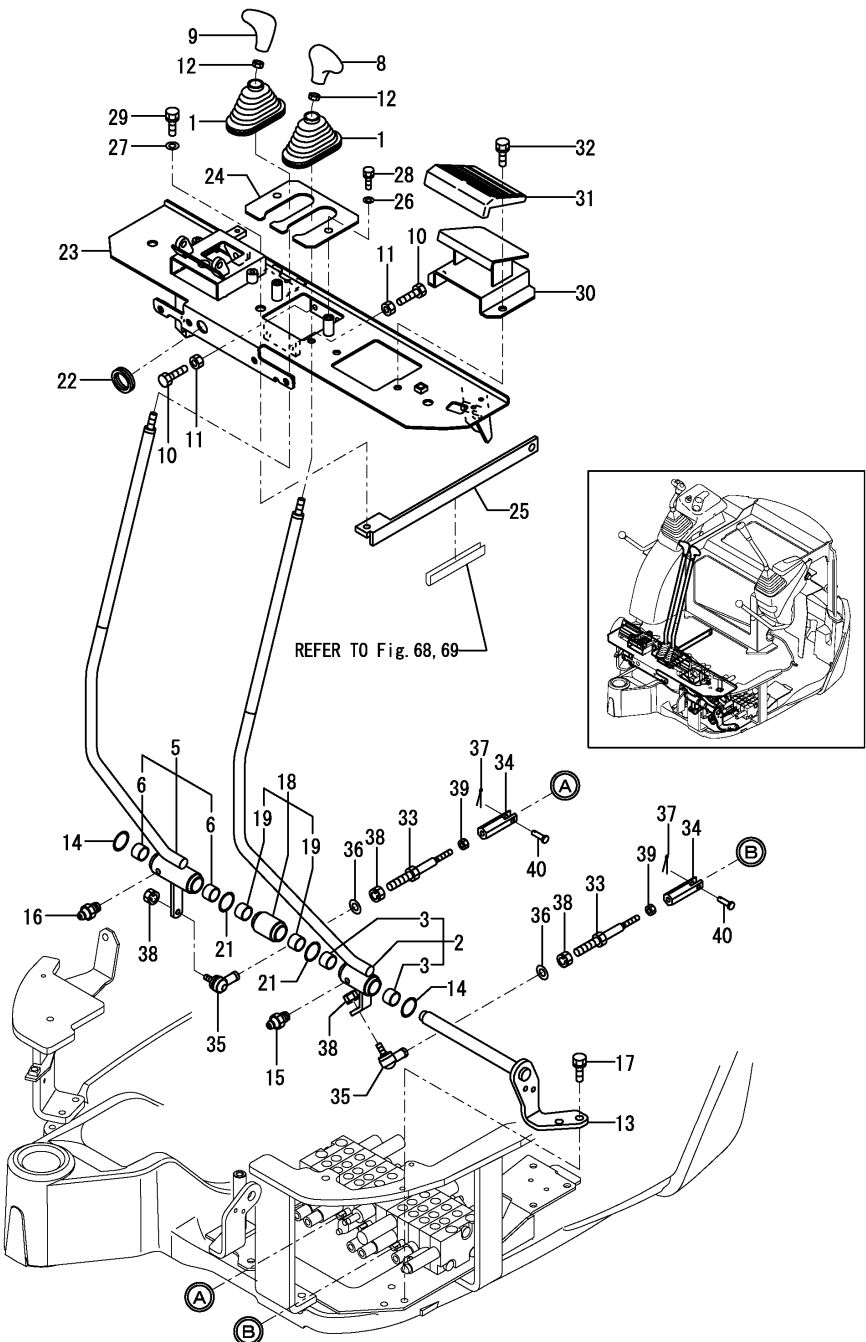


(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

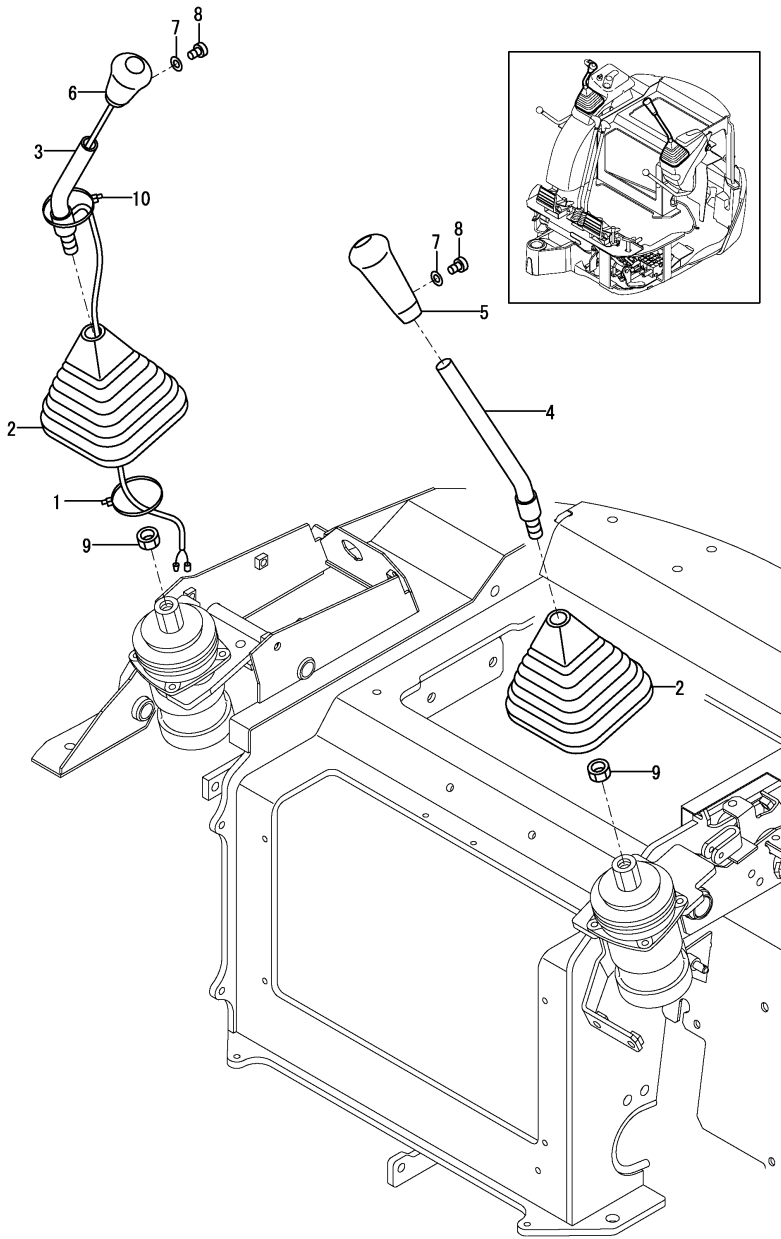
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-46600	STAND ASSY, LEVER	1	1						
2	2	172141-41370	BUSH 2015	2	2						
4	2	24550-025150	BUSH, 25X15	2	2						
5	1	172458-46730	BOLT N6X30	3	3						
6	1	172455-46901	PLATE L, BOOTS (73)	1	1						
7	1	172448-47900	SPRING, GAS GS044	1	1						
8	1	172165-47980	SHIM	2	2						
9	1	172165-47990	WASHER 25.5X42	1	1						
10	1	22137-060000	WASHER, 6	2	2						
11	1	22242-000250	RING, 25	1	1						
12	1	22417-160160	PIN, COTTER 1.6X16	2	2						
13	1	22487-060240	PIN, H 6X 24	1	1						
14	1	24311-000340	O-RING, 1AP34.0	2	2						
15	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
16	1	1D4070-23580	GRIP	1	1						
17	1	172124-46200	O-RING	2	2						
18	1	172162-46690	SPRING	1	1						
19	1	172448-46950	BRACKET, CUTOFF SW	1	1						
20	1	172165-47550	BUSH	1	1						
21	1	172448-47621	LEVER L,LOCK(GRAY:72	1	1						
21-1	1	172448-47621-1	LEVER L,LOCK(GRAY:49	1	1						S
(A=M/#28498) (B=M/#28498)											
22	1	172448-47650	SHAFT ASSY, LEVER	1	1						
23	1	22137-080000	WASHER, 8	2	2						
24	1	22272-000070	RING, E- 7	1	1						
25	1	22351-035050	PIN, SPRING 3.5X50	1	1						
26	1	22351-060050	PIN, SPRING 6.0X50	1	1						
27	1	26013-080202	BOLT, M8X 20	2	2						

Fig.22. CONTROL EQUIPMENT(TRAVEL LEVER & LINK STAND)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-41340	BOOTS	2	2						
2	1	172448-45101	LEVER L,TRACK(GRAY72	1	1						
2-1	1	172448-45101-1	LEVER L,TRACK(GRAY49	1	1						S
(A=M/#28498) (B=M/#28498)											
3	2	172141-41370	BUSH 2015	2	2						
5	1	172448-45142	LEVER R,TRACK (72)	1	1						
5-1	1	172448-45142-1	LEVER R,TRACK(GRAY49	1	1						S
(A=M/#28498) (B=M/#28498)											
6	2	172141-41370	BUSH 2015	2	2						
8	1	172164-45951	GRIP, DRIVE	1	1						
9	1	172164-45961	GRIP, DRIVE	1	1						
10	1	26116-100404	BOLT, M10X 40 PLATED	4	4						
11	1	26716-100002	NUT, M10	4	4						
12	1	26756-100002	NUT, LOCK M10	2	2						
13	1	172448-45570	SHAFT ASSY, TRACK	1	1						
14	1	172124-46200	O-RING	2	2						
15	1	24761-020000	NIPPLE, GREASE PT1/8	1	1						
16	1	24761-020000	NIPPLE, GREASE PT1/8	1	1						
17	1	26013-100252	BOLT, M10X 25	2	2						
18	1	172448-46150	LINK ASSY,STD	1	1						
19	2	172141-41370	BUSH 2015	2	2						
21	1	172124-46200	O-RING	2	2						
22	1	172187-16560	GROMMET	1	1						
23	1	172448-45401	STAND, PEDAL	1	1						
23-1	1	172448-45401-1	STAND, PEDAL	1	1						S
(A=M/#28498) (B=M/#28498)											
24	1	172448-45510	PLATE,TRACK(BLACK:12	1	1						
24-1	1	172448-45510-1	PLATE,TRACK(GRAY:49)	1	1						S
(A=M/#28498) (B=M/#28498)											
25	1	172448-45520	RIB,STEP	1	1						
26	1	22137-080000	WASHER, 8	2	2						
27	1	22137-100000	WASHER, 10	2	2						
28	1	26013-080162	BOLT, M8X 16	2	2						
29	1	26013-100202	BOLT, M10X 20	2	2						
30	1	172448-45350	FOOTLEST L(BLACK:12)	1	1						
30-1	1	172448-45350-1	FOOTLEST L (GRAY:49)	1	1						S
(A=M/#28498) (B=M/#28498)											
31	1	172187-45760	COVER PAD	1	1						
32	1	26013-100202	BOLT, M10X 20	2	2						
33	1	172448-45260	ROD 90	2	2						
34	1	172448-45660	ROD,SPOOL	2	2						
35	1	172122-46590	ELBOW	2	2						
36	1	22117-080000	WASHER, 8	2	2						
37	1	22417-160160	PIN, COTTER 1.6X16	2	2						
38	1	26051-080002	NUT, M8	4	4						
39	1	26716-050002	NUT, M5	2	2						
40	1	933110-54100	PIN 4.75X14	2	2						

Fig.23. CONTROL EQUIPMENT(OPERATION LEVER)



Remarks
(1)A KNOB WITH A BUILT-IN
HORN SWITCH.

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

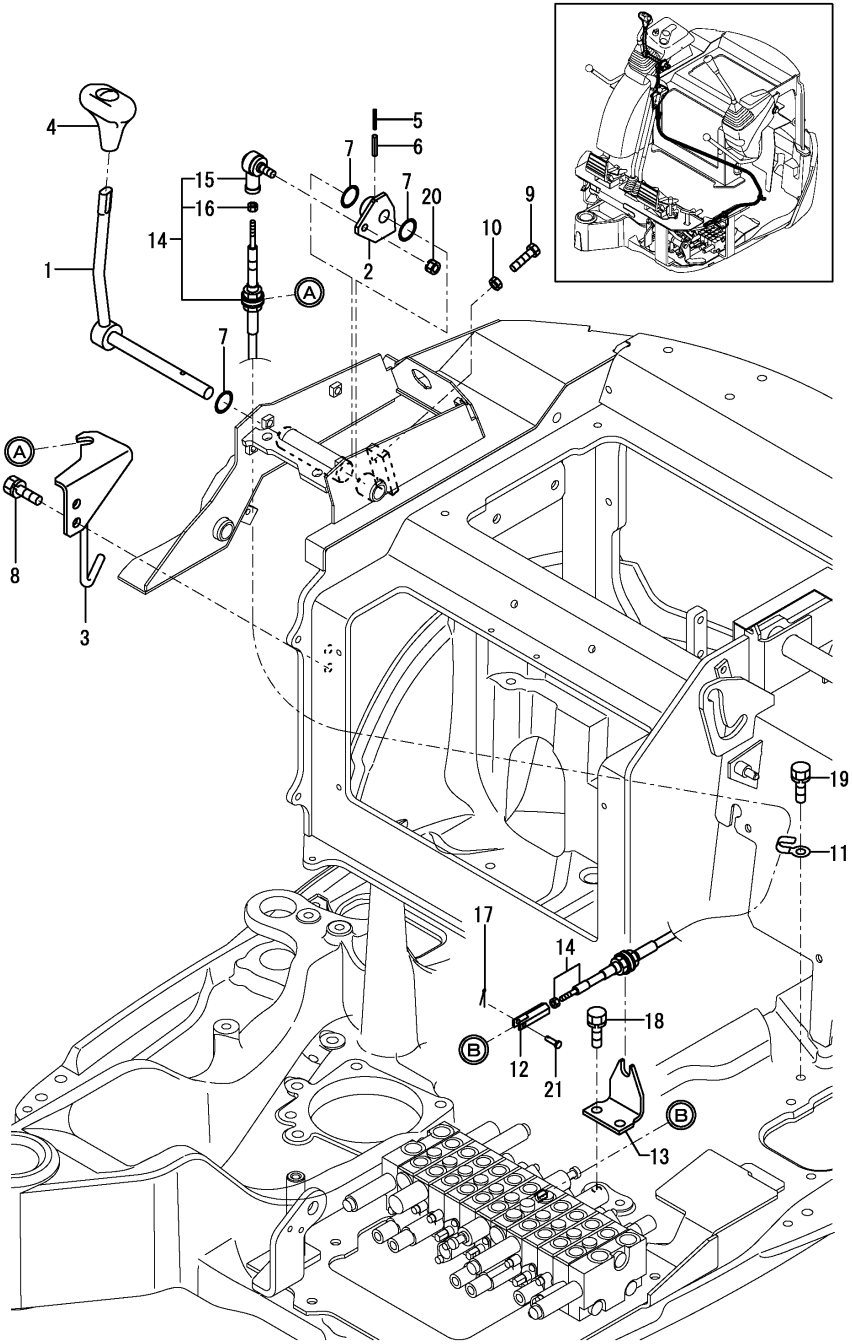
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-16560	CLIP, HOSE	1	1						
2	1	172151-45010	BOOT P,LEVER	2	2						
3	1	172448-45010	LEVER R (GRAY:72)	1	1						
3-1	1	172448-45010-1	LEVER R (GRAY:49)	1	1						S
		(A=M/#28498) (B=M/#28498)									
4	1	172448-45030	LEVER L (GRAY:72)	1	1						
4-1	1	172448-45030-1	LEVER L (GRAY:49)	1	1						S
		(A=M/#28498) (B=M/#28498)									
5	1	172165-45071	KNOB ASSY	1	1						
6	1	172165-47871	KNOB ASSY	1	1						1
7	1	22117-040000	WASHER, 4	2	2						
8	1	26587-040062	SCREW, M4X 6	2	2						
9	1	26776-140002	NUT, LOCK M14	2	2						
10	1	933168-55770	BAND 146	1	1						

Fig.24. CONTROL EQUIPMENT(BLADE LEVER)

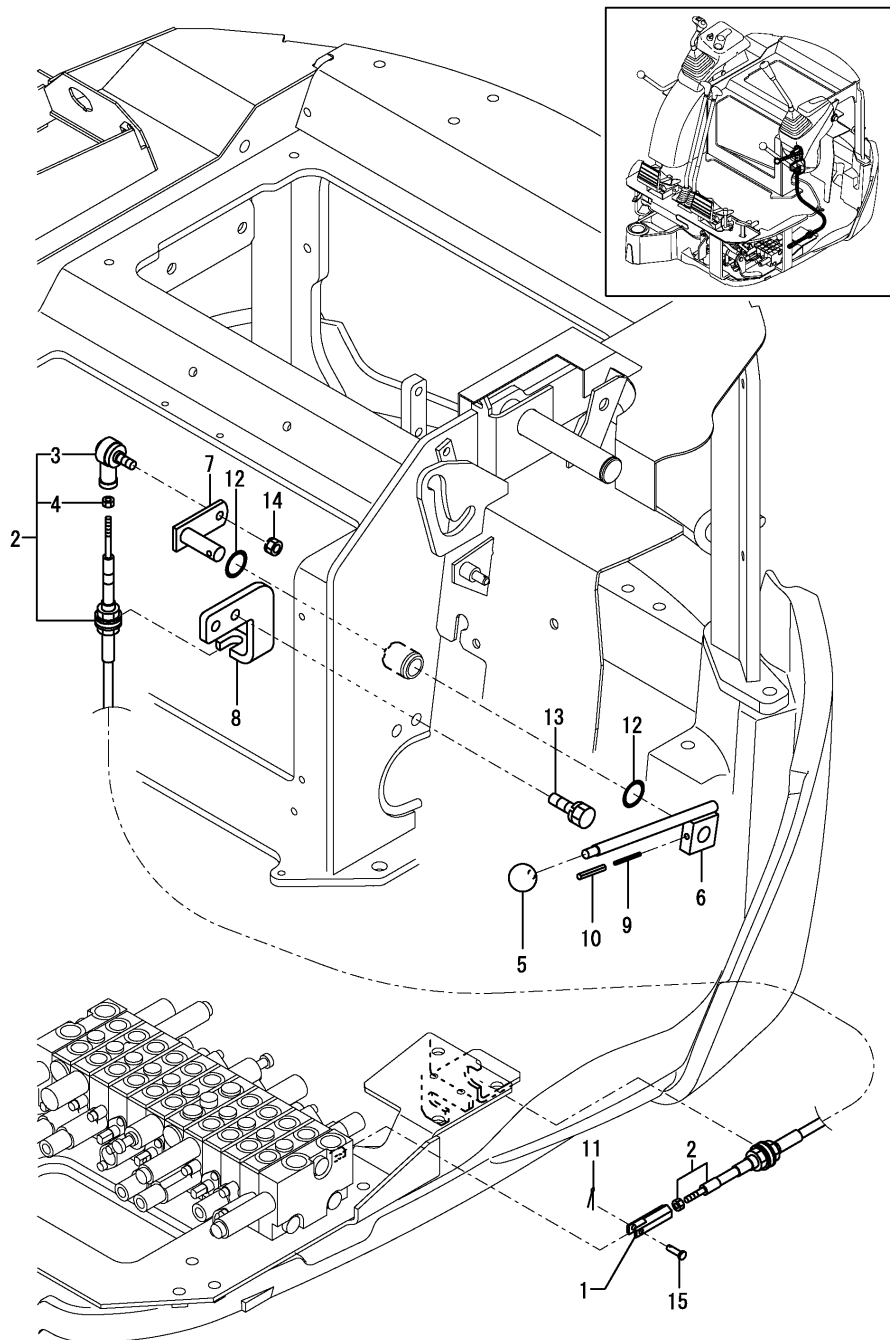
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-45700	LEVER,BLADE(GRAY:72)	1	1						
1-1	1	172448-45700-1	LEVER,BLADE(GRAY:49)	1	1						S
		(A=M/#28498) (B=M/#28498)									
2	1	172448-45740	PLATE,BLADE	1	1						
3	1	172448-45771	BRACKET, BLADE	1	1						
4	1	172164-45970	GRIP, BLADE	1	1						
5	1	22351-030025	PIN, SPRING 3.0X25	1	1						
6	1	22351-050025	PIN, SPRING 5.0X25	1	1						
7	1	24311-000210	O-RING, 1AP21.0	3	3						
8	1	26013-100202	BOLT, M10X 20	2	2						
9	1	26116-080304	BOLT, M8X 30 PLATED	2	2						
10	1	26716-080002	NUT, M8	2	2						
11	1	172126-16540	CLAMP	1	1						
12	1	172448-45660	ROD,SPOOL	1	1						
13	1	172448-45840	BRACKET,BR CABLE	1	1						
14	1	172448-45850	CABLE, BLADE	1	1						
15	2	172458-45810	JOINT, BALL	1	1						
16	2	26757-050002	NUT, LOCK M5	1	1						
17	1	22417-160160	PIN, COTTER 1.6X16	1	1						
18	1	26013-100202	BOLT, M10X 20	2	2						
19	1	26013-100202	BOLT, M10X 20	1	1						
20	1	26051-080002	NUT, M8	1	1						
21	1	933110-54100	PIN 4.75X14	1	1						

Fig.25. CONTROL EQUIPMENT(VARIABLE LEG LEVER)

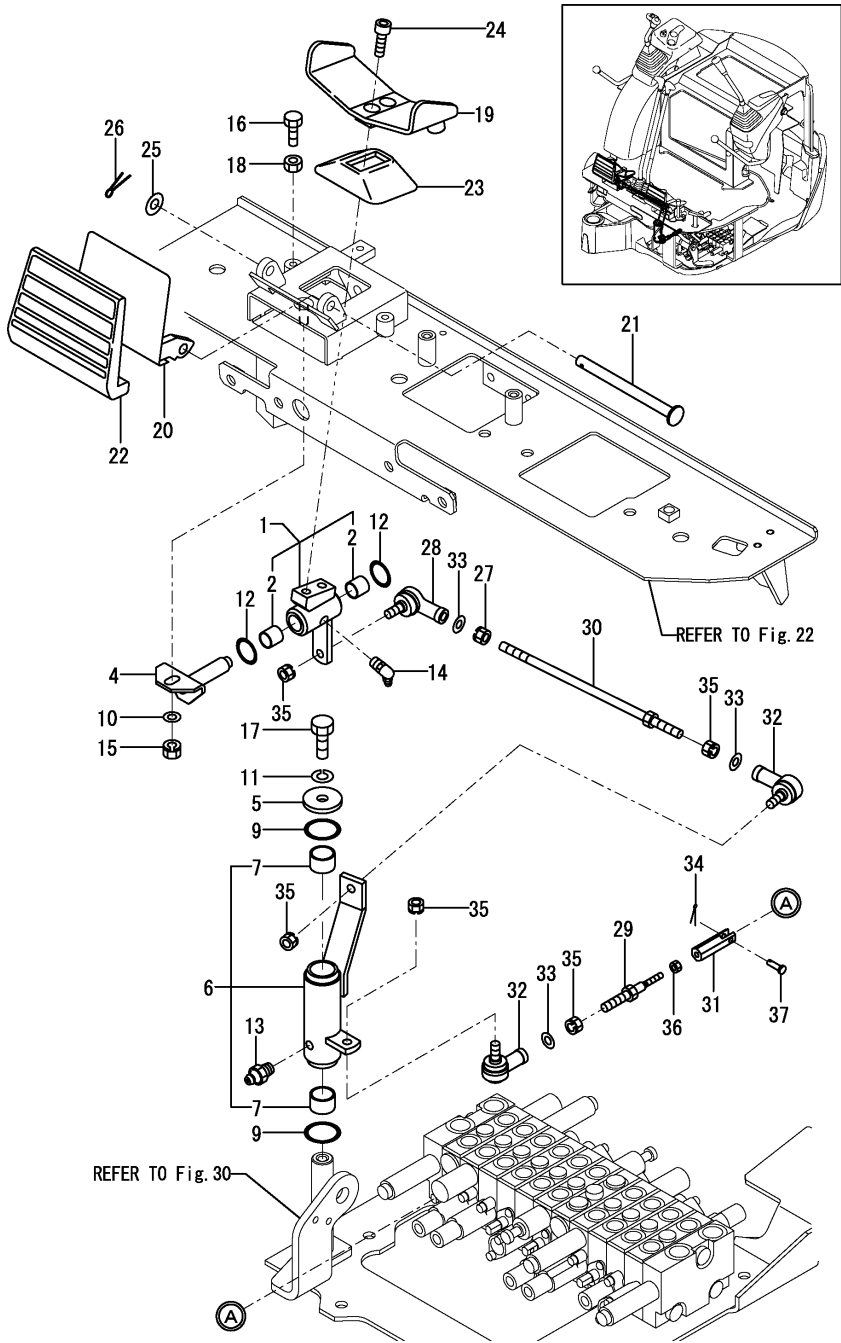


No.	Lev.	Parts No.	Description	(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=		(D)= (E)= (F)=				I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	172448-45660	ROD,SPOOL	1	1					
2	1	172448-45870	CABLE	1	1					
3	2	172458-45810	JOINT, BALL	1	1					
4	2	26757-050002	NUT, LOCK M5	1	1					
5	1	172446-45950	KNOB, LEVER	1	1					
6	1	172448-47801	LEVER,W/S (GRAY:72)	1	1					
6-1	1	172448-47801-1	LEVER,W/S (GRAY:49)	1	1					S
		(A=M/#28498) (B=M/#28498)								
7	1	172448-47830	LINK,W/S	1	1					
8	1	172448-47860	BRACKET,W/S	1	1					
9	1	22351-030032	PIN, SPRING 3.0X32	1	1					
10	1	22351-050032	PIN, SPRING 5.0X32	1	1					
11	1	22417-160160	PIN, COTTER 1.6X16	1	1					
12	1	24311-000210	O-RING, 1AP21.0	2	2					
13	1	26013-100202	BOLT, M10X 20	2	2					
14	1	26051-080002	NUT, M8	1	1					
15	1	933110-54100	PIN 4.75X14	1	1					

Fig.26. CONTROL EQUIPMENT(SWING PEDAL)

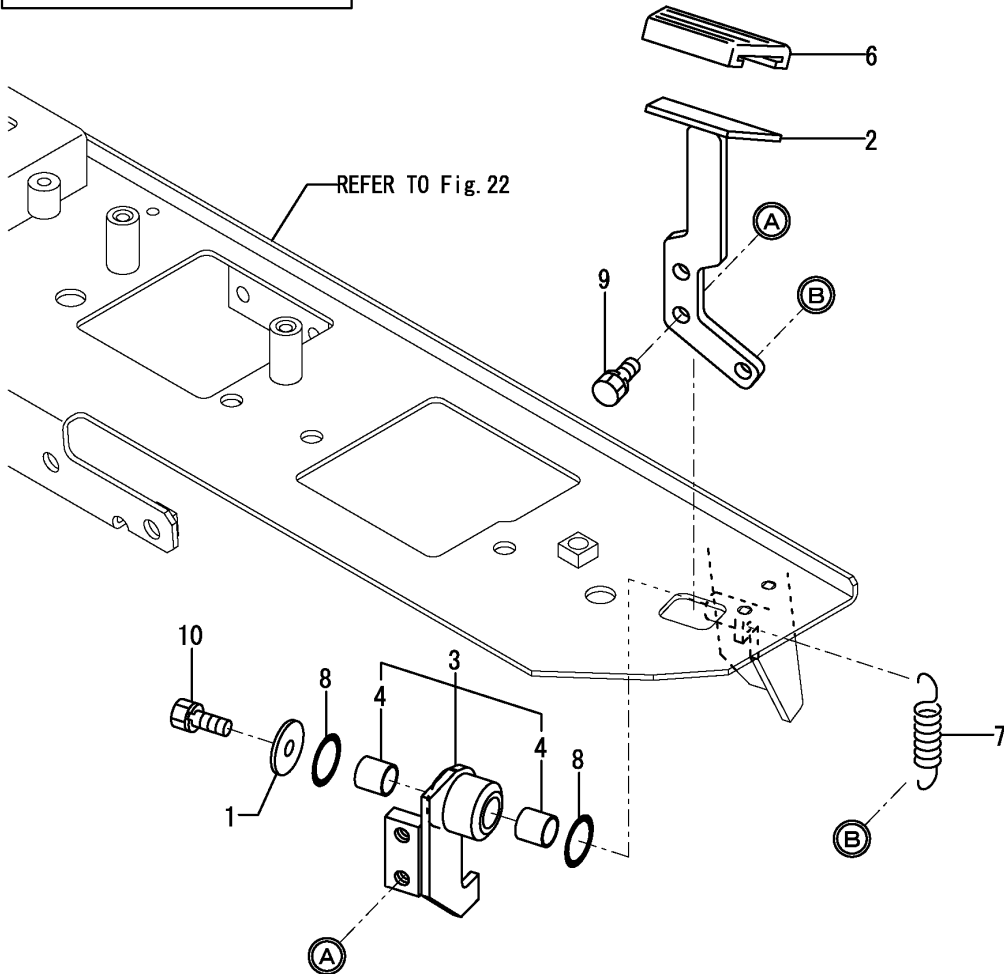
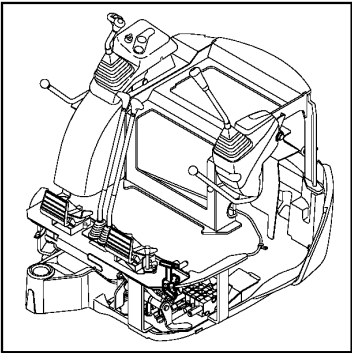
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



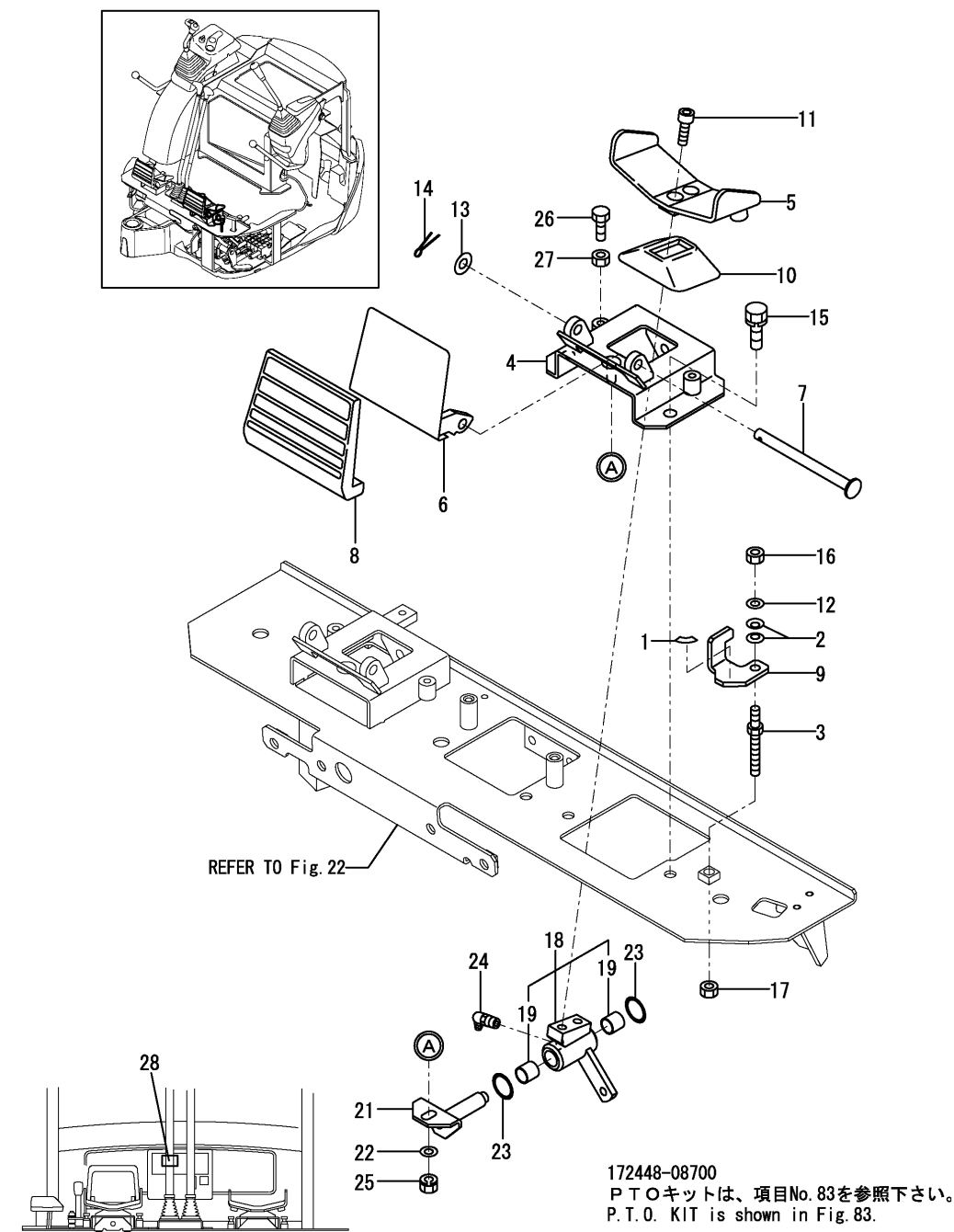
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-45200	LINK,SWING ASSY	1	1						
2	2	172141-41360	BUSH 1415	2	2						
4	1	172187-45530	SHAFT ASSY	1	1						
5	1	1A1040-45890	WASHER, 10X36X4.5	1	1						
6	1	172448-46120	LINK SWING ASSY	1	1						
7	2	172141-41370	BUSH 2015	2	2						
9	1	172124-46200	O-RING	2	2						
10	1	22137-080000	WASHER, 8	1	1						
11	1	22217-100000	WASHER, SPRING 10	1	1						
12	1	24311-000210	O-RING, 1AP21.0	2	2						
13	1	24761-020000	NIPPLE, GREASE PT1/8	1	1						
14	1	24761-040000	NIPPLE, GREASE B	1	1						
15	1	26051-080002	NUT, M8	1	1						
16	1	26116-080254	BOLT, M8X 25 PLATED	2	2						
17	1	26116-100202	BOLT, M10X 20 PLATED	1	1						
18	1	26716-080002	NUT, M8	2	2						
19	1	172458-45521	PEDAL,SWING(GRAY:72)	1	1						
19-1	1	172458-45521-1	PEDAL,SWING(GRAY:49)	1	1						S
(A=M/#28498) (B=M/#28498)											
20	1	172458-45540	COVER, PEDAL	1	1						
20-1	1	172458-45540-1	COVER, PEDAL	1	1						S
(A=M/#28498) (B=M/#28498)											
21	1	172187-45651	SHAFT	1	1						
22	1	172187-45760	COVER PAD	1	1						
23	1	172157-45990	BOOTS, PEDAL	1	1						
24	1	172165-46340	BOLT	2	2						
25	1	22137-100000	WASHER, 10	1	1						
26	1	22417-250200	PIN, COTTER 2.5X20	1	1						
27	1	194200-37780	NUT, M8	1	1						
28	1	172734-41300	JOINT, BALL	1	1						
29	1	172448-45290	ROD 75	1	1						
30	1	172146-45630	ROD, OFFSET	1	1						
31	1	172448-45660	ROD,SPOOL	1	1						
32	1	172122-46590	ELBOW	2	2						
33	1	22117-080000	WASHER, 8	3	3						
34	1	22417-160160	PIN, COTTER 1.6X16	1	1						
35	1	26051-080002	NUT, M8	5	5						
36	1	26716-050002	NUT, M5	1	1						
37	1	933110-54100	PIN 4.75X14	1	1						

Fig.27. CONTROL EQUIPMENT(LOW-HIGH PEDAL)



OCK10-M40401 Fig.27												
(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=												
(D)= (E)= (F)=												
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	1A1040-43900	WASHER, SPRING	1	1							
2	1	172448-45900	PEDAL (GRAY:72)	1	1							
2-1	1	172448-45900-1	PEDAL (GRAY:49)	1	1						S	
(A=M/#28498) (B=M/#28498)												
3	1	172448-45920	BRACKET ASSY,PEDAL	1	1							
4	2	172141-41360	BUSH 1415	2	2							
6	1	172458-45950	PAD,PEDAL	1	1							
7	1	172162-46690	SPRING	1	1							
8	1	24311-000210	O-RING, 1AP21.0	2	2							
9	1	26013-080162	BOLT, M8X 16	2	2							
10	1	26013-080202	BOLT, M8X 20	1	1							

Fig.28. CONTROL EQUIPMENT(P.T.O. PEDAL)



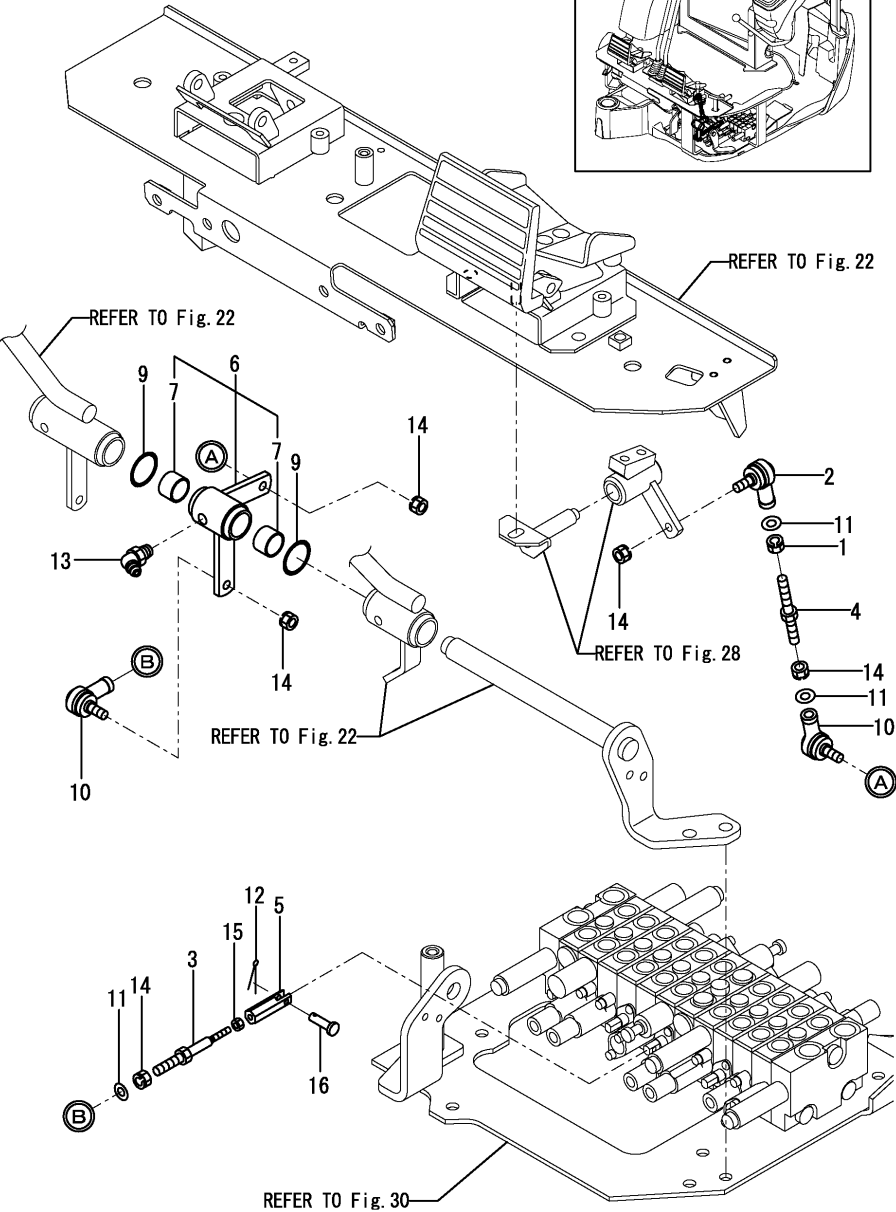
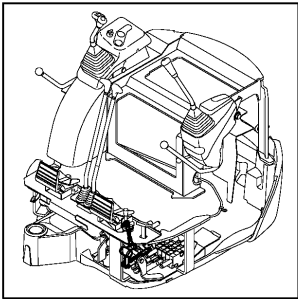
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-03240	LABEL,LOCK	1	1						
2	1	172068-28490	SPRING	2	2						
3	1	172448-45300	BOLT 8X75	1	1						
4	1	172448-45380	BRACKET,PTO(BLACK:12	1	1						
4-1	1	172448-45380-1	BRACKET,PTO(GRAY:49)	1	1						S
(A=M/#28498) (B=M/#28498)											
5	1	172458-45521	PEDAL,SWING(GRAY:72)	1	1						
5-1	1	172458-45521-1	PEDAL,SWING(GRAY:49)	1	1						S
(A=M/#28498) (B=M/#28498)											
6	1	172458-45540	COVER, PEDAL	1	1						
6-1	1	172458-45540-1	COVER, PEDAL	1	1						S
(A=M/#28498) (B=M/#28498)											
7	1	172187-45651	SHAFT	1	1						
8	1	172187-45760	COVER PAD	1	1						
9	1	172448-45800	PLATE,LOCK(PTO (11)	1	1						
9-1	1	172448-45800-3	PLATE,LOCK(PTO (10)	1	1						S
(A=M/#28498) (B=M/#28498)											
10	1	172157-45990	BOOTS, PEDAL	1	1						
11	1	172165-46340	BOLT	2	2						
12	1	22137-080000	WASHER, 8	1	1						
13	1	22137-100000	WASHER, 10	1	1						
14	1	22417-250200	PIN, COTTER 2.5X20	1	1						
15	1	26013-100202	BOLT, M10X 20	2	2						
16	1	26347-080002	NUT, M8	1	1						
17	1	26716-080002	NUT, M8	1	1						
18	1	172448-45220	LINK ASSY,PTO	1	1						
19	2	172141-41360	BUSH 1415	2	2						
21	1	172187-45530	SHAFT ASSY	1	1						
22	1	22137-080000	WASHER, 8	1	1						
23	1	24311-000210	O-RING, 1AP21.0	2	2						
24	1	24761-040000	NIPPLE, GREASE B	1	1						
25	1	26051-080002	NUT, M8	1	1						
26	1	26116-080254	BOLT, M8X 25 PLATED	2	2						
27	1	26716-080002	NUT, M8	2	2						
28	1	172496-03250	LABEL, P.T.O.	1							

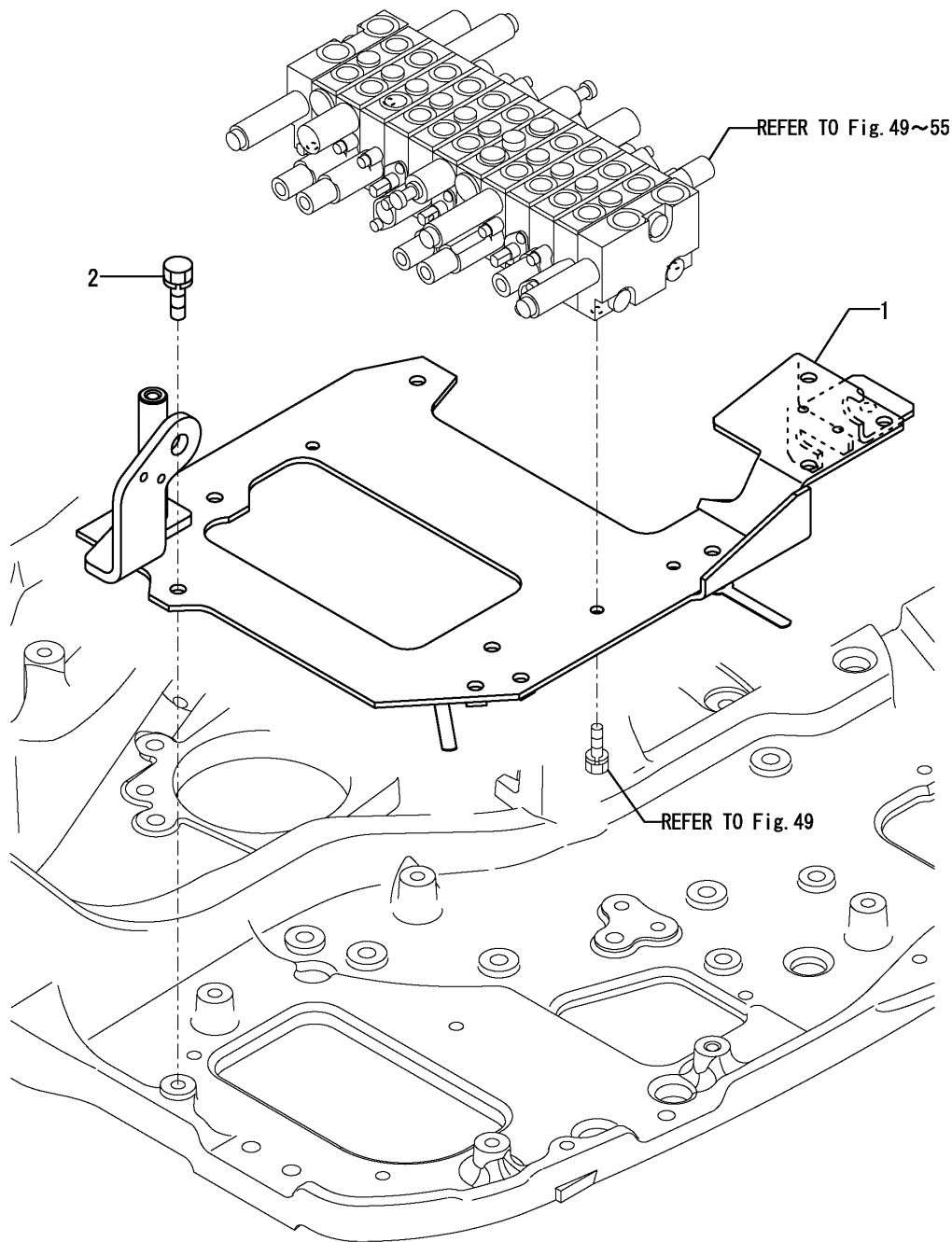
Fig.29. CONTROL EQUIPMENT(P.T.O. LINK)

172448-08700
P.T.O.キットは、項目No. 83を参照下さい。
P.T.O. KIT is shown in Fig.83.

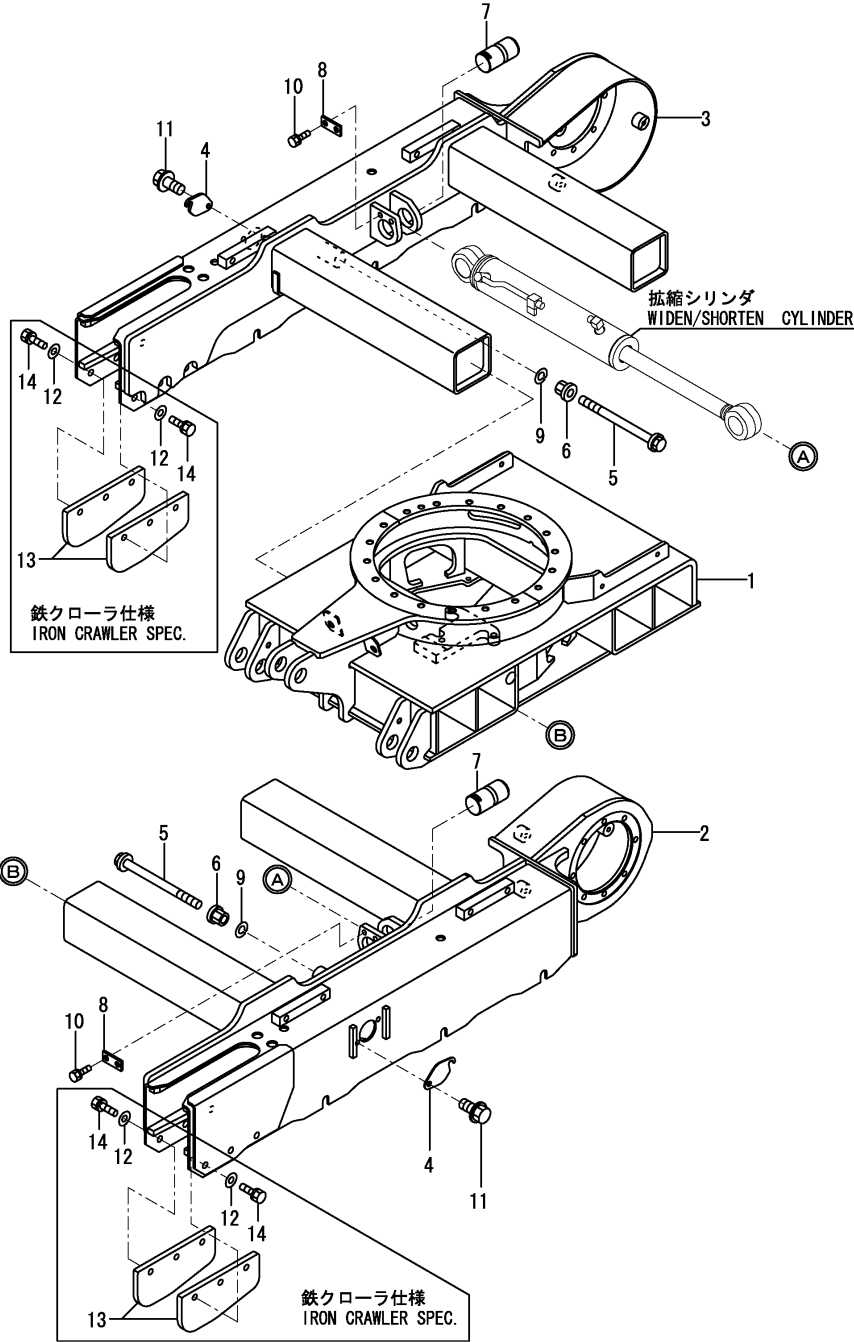


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194200-37780	NUT, M8	1	1						
2	1	172734-41300	JOINT, BALL	1	1						
3	1	172448-45260	ROD 90	1	1						
4	1	172469-45360	ROD 77	1	1						
5	1	172448-45660	ROD,SPOOL	1	1						
6	1	172448-46100	LINK ASSY,PTO	1	1						
7	2	172141-41370	BUSH 2015	2	2						
9	1	172124-46200	O-RING	2	2						
10	1	172122-46590	ELBOW	2	2						
11	1	22117-080000	WASHER, 8	3	3						
12	1	22417-160160	PIN, COTTER 1.6X16	1	1						
13	1	24761-040000	NIPPLE, GREASE B	1	1						
14	1	26051-080002	NUT, M8	5	5						
15	1	26716-050002	NUT, M5	1	1						
16	1	933110-54100	PIN 4.75X14	1	1						

Fig.30. CONTROL VALVE PLATE

[illegible]

OCK10-M40401 FRAME
Fig.31. TRACK FRAME



												Ock10-M40401		Fig.31	
												(A)=VIO15-2A(JP) (B)=VIO15-2A(EX) (C)=		(D)= (E)= (F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty			I	R					
				(C)	(D)	(E)	(F)								
1	1	172448-50200	FRAME,LOWER CENTER	1	1										
1-1	1	172448-50200-2	FRAME,LOWER CENTER	1	1					S					
		(A=M/#28498)	(B=M/#28498)												
2	1	172448-50401	FRAME,CRAWER L (88)	1	1										
2-1	1	172448-50401-2	FRAME,CRAWER L (49)	1	1					S					
		(A=M/#28498)	(B=M/#28498)												
3	1	172448-50411	FRAME,CRAWER R (88)	1	1										
3-1	1	172448-50411-2	FRAME,CRAWER R (49)	1	1					S					
		(A=M/#28498)	(B=M/#28498)												
4	1	172458-50480	COVER, FRAME	2	2										
4-1	1	172458-50480-2	COVER, FRAME	2	2					S					
		(A=M/#28498)	(B=M/#28498)												
5	1	172448-50700	BOLT,STOPPER	2	2										
6	1	172448-50720	NUT ASSY, STOPPER	2	2										
7	1	172448-50760	PIN 40-70	2	2										
8	1	172448-50770	PLATE (GREEN:88)	2	2										
8-1	1	172448-50770-2	PLATE (GRAY:49)	2	2					S					
		(A=M/#28498)	(B=M/#28498)												
9	1	22212-160000	SPRING WAHER 16	2	2										
10	1	26013-100162	BOLT, M10X 16	4	4										
11	1	26106-100122	BOLT, M10X 12 PLATED	4	4										
12	1	172730-05250	WASHER 12	12											
13	1	172448-50800	GUARD, SHOE	4											
13-1	1	172448-50800-1	GUARD, SHOE	4						S					
		(A=M/#28498)													
14	1	26013-120302	BOLT, M12X 30	12											

N:Old

Yes

No

New,

Q:Old

Yes

No

New,

R:Old

Yes

No

New,

S:Old

Yes

No

New,

W:Add,

Z:Discontinued,

F:Interchangeable by set,

K:Q'ty Change

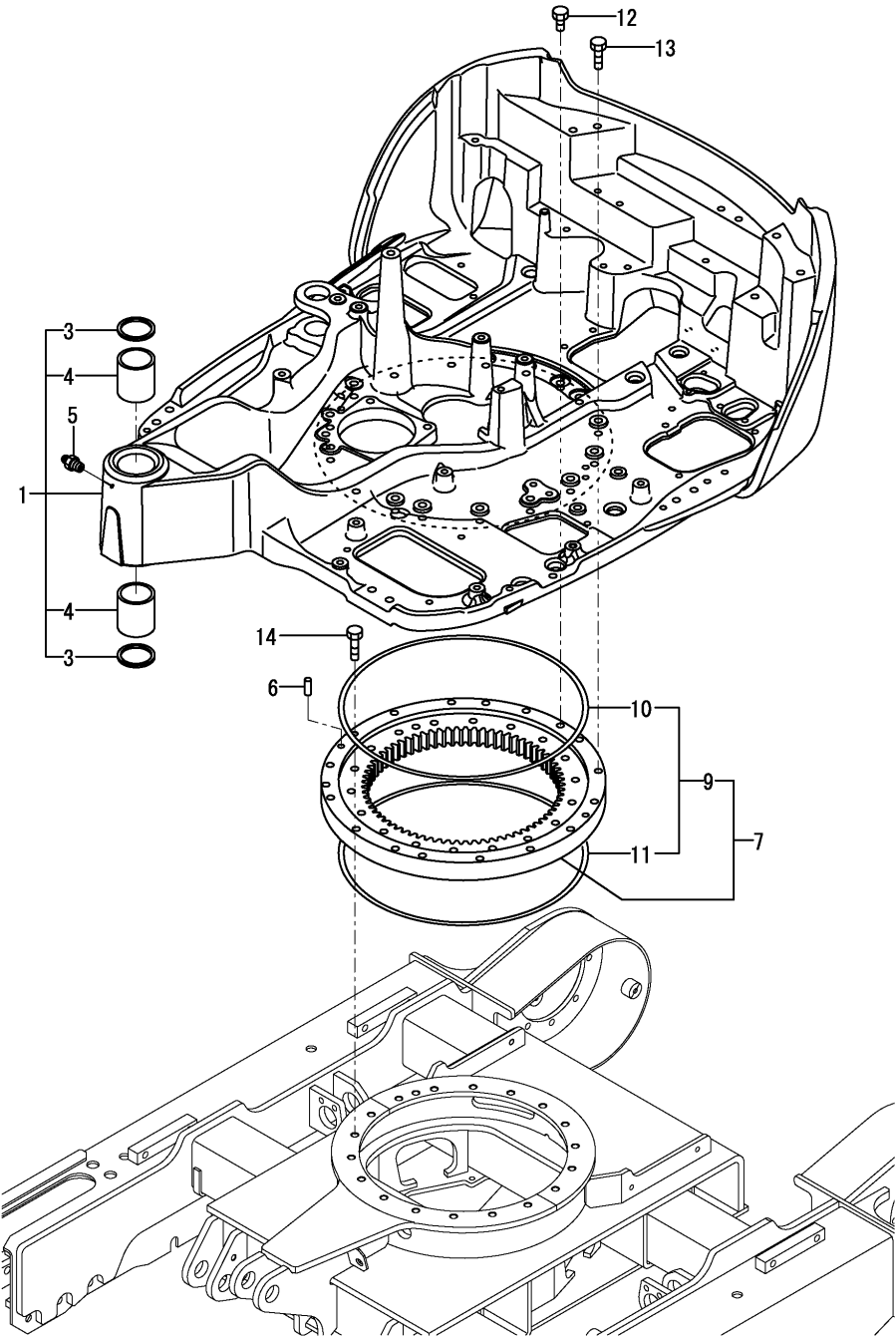
Copyright (C) YANMAR CO., LTD. All RightsReserved.

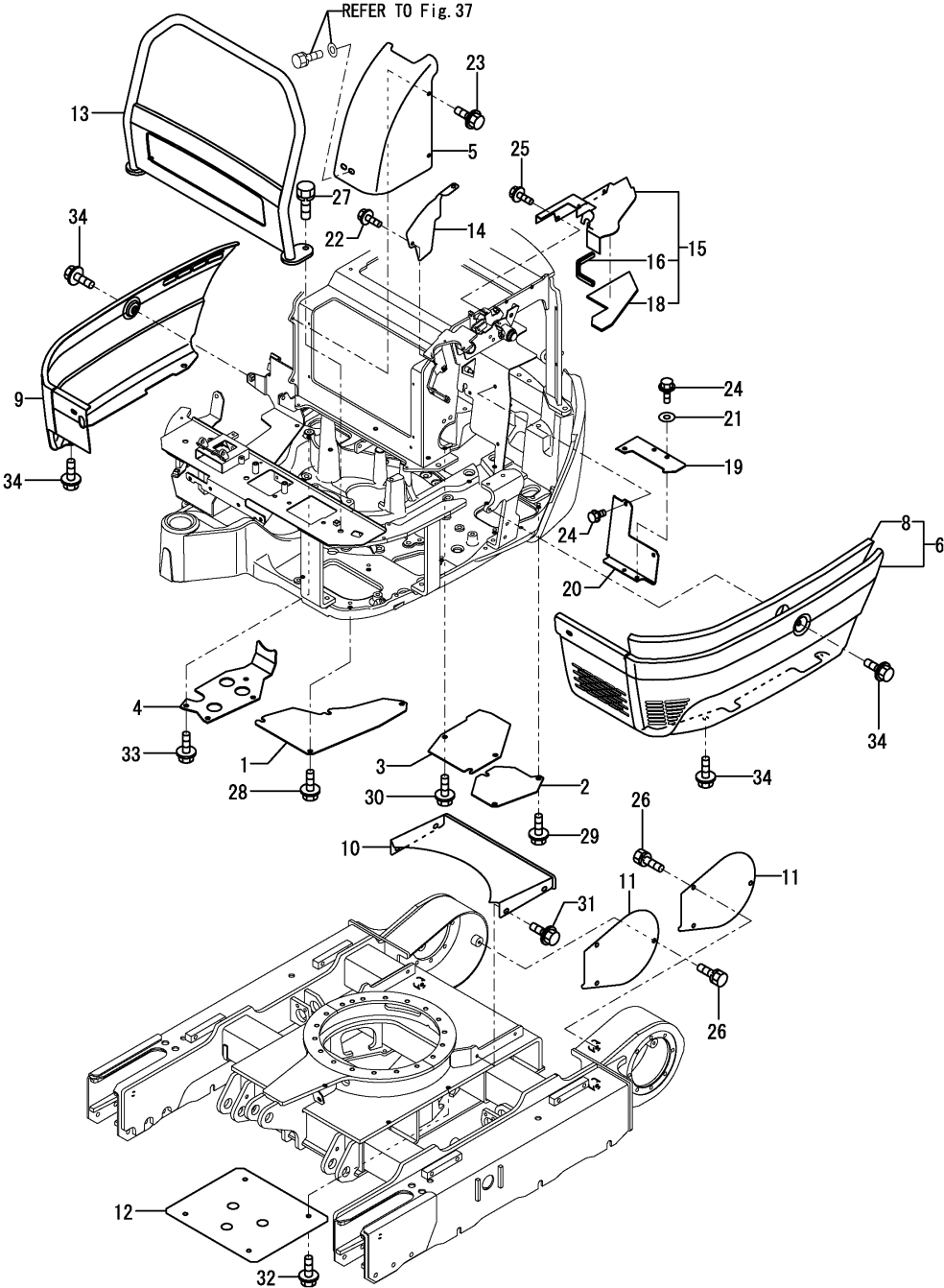
Fig.32. TURNING FRAME & TURNING BEARING

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A55-54100	TURNING FRAME (88)	1	1						
1-1	1	172A55-54100-2	TURNING FRAME(GRAY49	1	1						S
		(A=M/#28498)	(B=M/#28498)								
3	2	172448-54120	SEAL, DUST	2	2						
4	2	172171-54750	BUSH 50X65	2	2						
5	1	24761-020000	NIPPLE, GREASE PT1/8	1	1						
6	1	194940-24350	PIN, 10X28	3	3						
7	1	172447-57600	BEARING,TURNING	1	1						
9	2	172149-57610	SEAL SET	1	1						
10	3	172149-57620	SEAL	1	1						
11	3	172149-57630	SEAL	1	1						
12	1	26076-120252	BOLT, 10.912X 25	4	4						
13	1	26076-120402	BOLT, 10.912X 40	13	13						
14	1	26076-120452	BOLT, 10.912X 45	18	18						

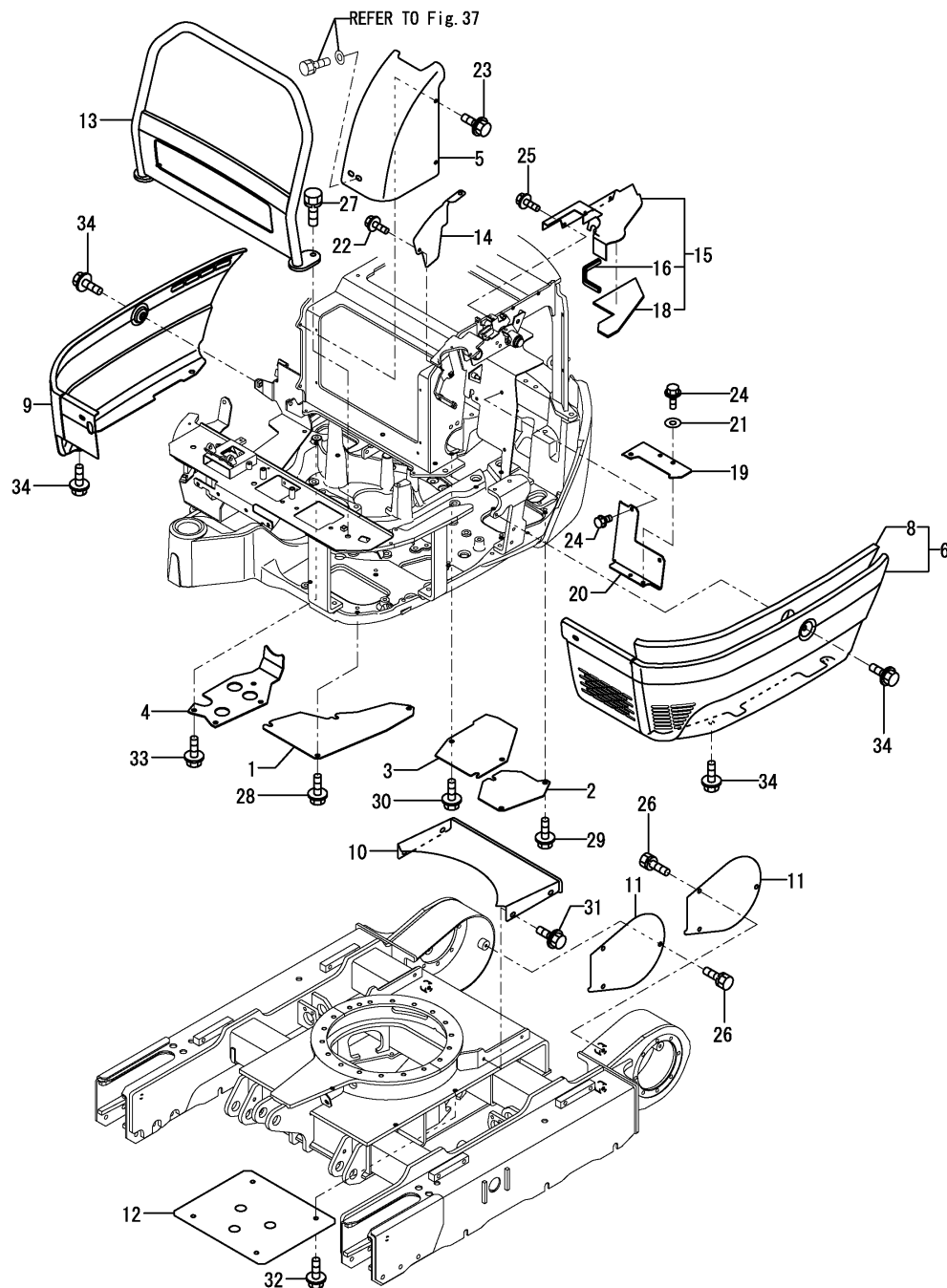




(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

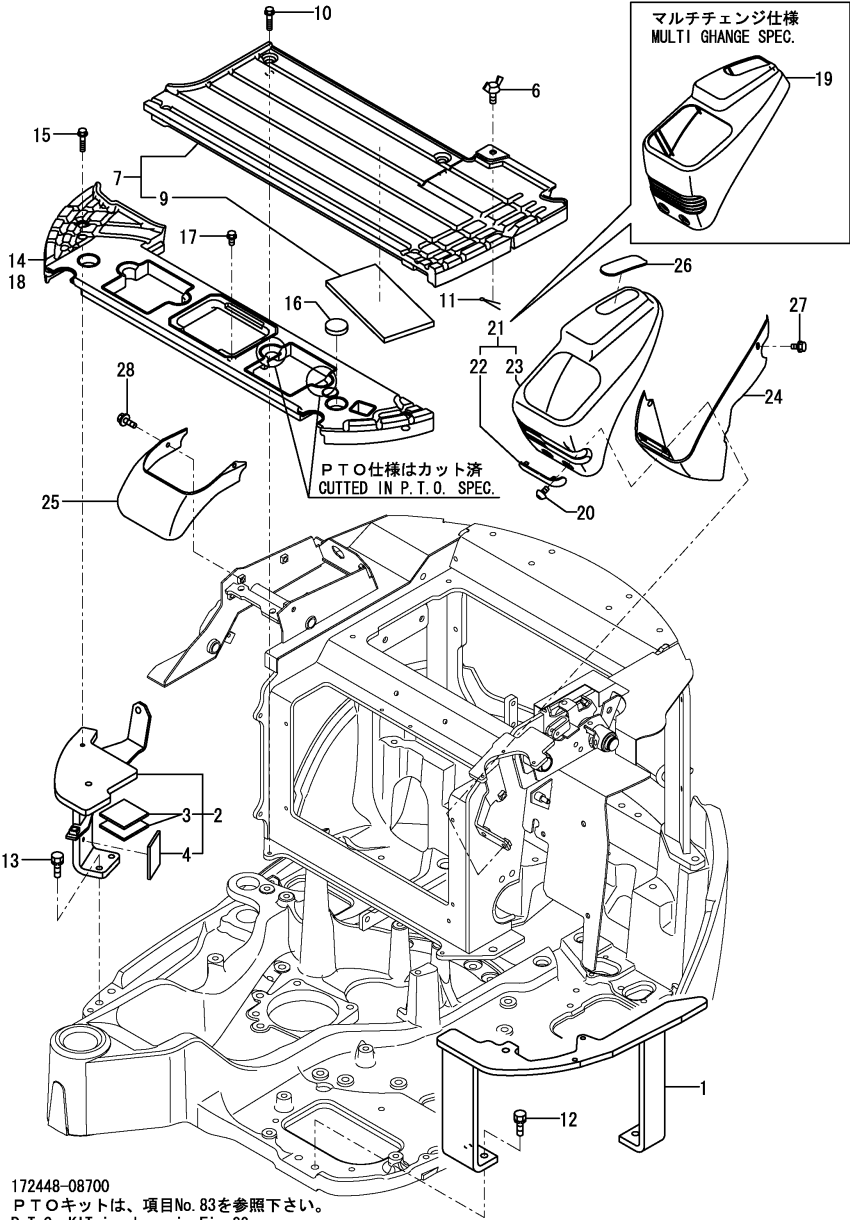
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-61110	COVER	1	1						
1-1	1	172448-61110-2	COVER	1	1						S
		(A=M/#28498) (B=M/#28498)									
2	1	172448-61120	COVER	1	1						
2-1	1	172448-61120-2	COVER	1	1						S
		(A=M/#28498) (B=M/#28498)									
3	1	172A55-61130	COVER, ENGINE	1	1						
3-1	1	172A55-61130-2	COVER, ENGINE	1	1						S
		(A=M/#28498) (B=M/#28498)									
4	1	172448-61140	COVER	1	1						
4-1	1	172448-61140-2	COVER	1	1						S
		(A=M/#28498) (B=M/#28498)									
5	1	172448-61160	COVER	1	1						
6	1	172448-61191	COVER	1	1						
6-1	1	172448-61191-2	COVER	1	1						S
		(A=M/#28498) (B=M/#28498)									
8	2	172448-61240	SPONGE	1	1						
9	1	172A55-61250	COVER	1	1						
9-1	1	172A55-61250-2	COVER	1	1						S
		(A=M/#28498) (B=M/#28498)									
10	1	172448-61450	COVER, HOSE	1	1						
10-1	1	172448-61450-2	COVER, HOSE	1	1						S
		(A=M/#28498) (B=M/#28498)									
11	1	172448-61500	COVER, MOTOR	2	2						
11-1	1	172448-61500-2	COVER, MOTOR	2	2						S
		(A=M/#28498) (B=M/#28498)									
12	1	172448-61530	COVER	1	1						
12-1	1	172448-61530-2	COVER	1	1						S
		(A=M/#28498) (B=M/#28498)									
13	1	172448-61600	COVER	1	1						
14	1	172448-61710	COVER	1	1						
15	1	172448-61800	COVER, RESERVOIR	1	1						
16	2	172444-17620	SEAL	1	1						
18	2	172448-61870	SPONGE	1	1						
19	1	172448-61890	COVER, MULTI	1	1						
19-1	1	172448-61890-1	COVER, MULTI	1	1						S
		(A=M/#28498) (B=M/#28498)									
20	1	172448-61910	COVER, MULTI	1	1						
21	1	172458-62430	WASHER M8	2	2						
22	1	172519-63240	BOLT	1	1						
23	1	172519-63240	BOLT	2	2						
24	1	172519-63240	BOLT	4	4						
25	1	172519-63240	BOLT	2	2						
26	1	26013-100202	BOLT, M10X 20	6	6						
27	1	26013-120302	BOLT, M12X 30	2	2						
28	1	26106-100162	BOLT, M10X 16 PLATED	4	4						
29	1	26106-100162	BOLT, M10X 16 PLATED	3	3						
30	1	26106-100162	BOLT, M10X 16 PLATED	3	3						
31	1	26106-100162	BOLT, M10X 16 PLATED	4	4						
32	1	26106-100162	BOLT, M10X 16 PLATED	4	4						
33	1	26106-100162	BOLT, M10X 16 PLATED	4	4						



No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
34	1	26106-100162	BOLT, M10X 16 PLATED	8	8					

Fig.34. STEP & INSTRUMENT PANEL



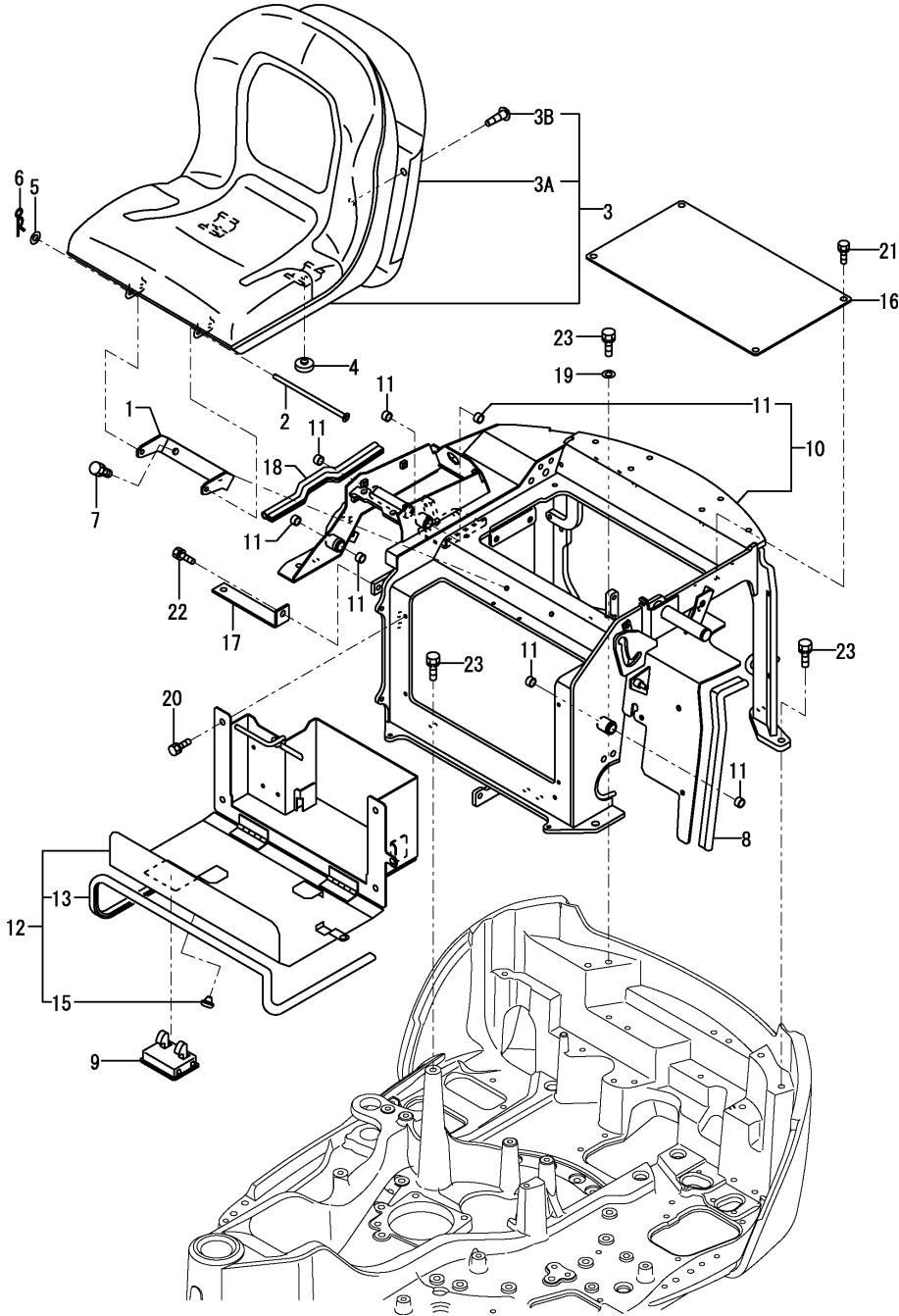
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-62101	STAND ASSY	1	1						
2	1	172448-62150	STAND ASSY	1	1						
3	2	172446-14250	RUBBER PLATE	2	2						
4	2	172458-14361	RUBBER PLATE-C,FO	1	1						
6	1	172142-62300	WING BOLT M10X15	1	1						
7	1	172448-62390	STEP ASSY	1	1						
9	2	172448-62480	SPONGE	1	1						
10	1	172448-62400	BOLT, M8X35	4	4						
11	1	22417-320200	PIN, COTTER 3.2X20	1	1						
12	1	26013-120402	BOLT, M12X 40	3	3						
13	1	26013-120402	BOLT, M12X 40	2	2						
14	1	172448-62320	STEP	1	1						
15	1	172448-62400	BOLT, M8X35	2	2						
16	1	172448-62650	CAP	2	2						
17	1	172519-63240	BOLT	1	1						
18	1	172448-62330	STEP, PTO	1	1						1
19	1	172458-63100	INSTRUMENT PANEL L	1							2
20	1	172458-46720	BOLT 8X20	3	3						
21	1	172490-61920	INSTRUMENT PANEL ASY	1	1						
22	2	172490-61950	COVER, PANEL	1	1						
23	2	172458-63110	INSTRUMENT PANEL L,2	1	1						
24	1	172448-63120	INSTRUMENT PANEL L	1	1						
25	1	172448-63130	INSTRUMENT PANEL R	1	1						
26	1	172448-63150	CAP, PANEL	1	1						
27	1	172519-63240	BOLT	2	2						
28	1	172519-63240	BOLT	1	1						

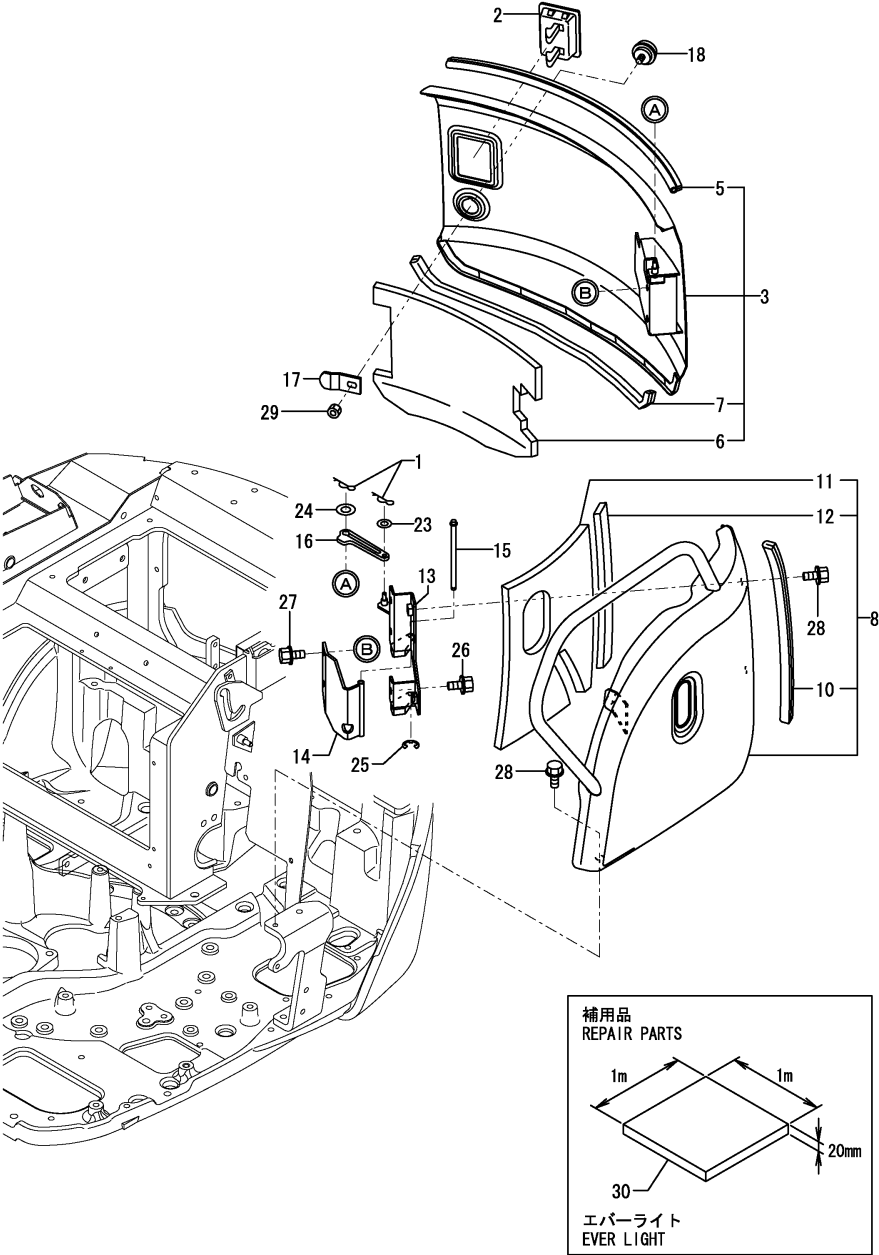
Remarks
(1)P.T.O. SPEC.
(2)MULTI CHANGE SPEC.

Fig.35. SEAT & SEAT MOUNT



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-64060	BRACKET,SEAT(GRAY:73	1	1						
2	1	172448-64080	PIN	1	1						
3	1	172649-64101	SEAT ASSY, OPERATOR	1	1						
3-1	1	172A54-64100 (A=M/#28498) (B=M/#28498)	SEAT ASSY, OPERATOR	1	1					N	
3A	2	172A54-64110 (A=M/#28498) (B=M/#28498)	COVER	1	1					W	
3B	2	172A54-64120 (A=M/#28498) (B=M/#28498)	SCREW, M5X16	4	4					W	
4	1	172141-64370	CUSHION, SEAT	2	2						
5	1	22137-080000	WASHER, 8	1	1						
6	1	22372-080000	PIN, SNAP 8	1	1						
7	1	26013-100202	BOLT, M10X 20	2	2						
8	1	172164-13520	RUBBER, SEAL	1	1						
8-1	1	172457-13670 (A=M/#27501) (B=M/#27501)	SEAL	1	1					N	
9	1	172187-61421	HANDLE, LOCK	1	1						
10	1	172A55-64200	MOUNT,SEAT (GRAY:73)	1	1						
11	2	24550-014100	BUSH, 14X10	7	7						
12	1	172448-64710	MOUNT,BATTERY(GRAY73	1	1						
13	2	172141-64350	SEAL, MOUNT	1	1						
15	2	172176-67790 (A=M/#28436) (B=M/#28436)	PLUG	2	2					W	
16	1	172448-64760	PLATE,SEAT (GRAY:73)	1	1						
17	1	172448-64920	CROSS MEMBER	1	1						
18	1	172444-65680	RUBBER, SEAL	1	1						
19	1	22137-120000	WASHER, 12	1	1						
20	1	26013-100202	BOLT, M10X 20	4	4						
21	1	26013-100202	BOLT, M10X 20	4	4						
22	1	26013-100202	BOLT, M10X 20	2	2						
23	1	26013-120302	BOLT, M12X 30	6	6						

Fig.36. BONNET(1)



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1C6281-52310	PIN, SNAP 6	2	2						
2	1	172187-61421	HANDLE, LOCK	1	1						
3	1	172448-65090	BONNET A (GREEN:96)	1	1						
5	2	172448-65170	SEAL, BONNET	1	1						
6	2	172448-65180	SPONGE	1	1						
7	2	172649-65770	RUBBER, SEAL	1	1						
8	1	172448-65190	BONNET L (GREEN:96)	1	1						
10	2	172448-65700	SEAL, RUBBER 280	1	1						
11	2	172448-65750	SPONGE	1	1						
12	2	172448-65760	SPONGE	1	1						
13	1	172448-65400	BRACKET ASSY,BONNET	1	1						
14	1	172448-65450	HINGE	1	1						
15	1	172448-65490	SHAFT, HINGE	1	1						
16	1	172448-65550	GUIDE, LOCK	1	1						
17	1	172448-65580	LOCK PLATE,BONNET A	1	1						
18	1	172164-66170	KEY ASSY, CYLINDER	1	1						
23	1	22117-060000	WASHER, 6	1	1						
24	1	22157-060000	WASHER, 6	1	1						
25	1	22272-000070	RING, E- 7	1	1						
26	1	26106-100202	BOLT, M10X 20 PLATED	3	3						
27	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
28	1	26106-100202	BOLT, M10X 20 PLATED	4	4						
29	1	26347-100002	NUT, M10	1	1						
30	1	172478-65750	SPONGE	1	1						1

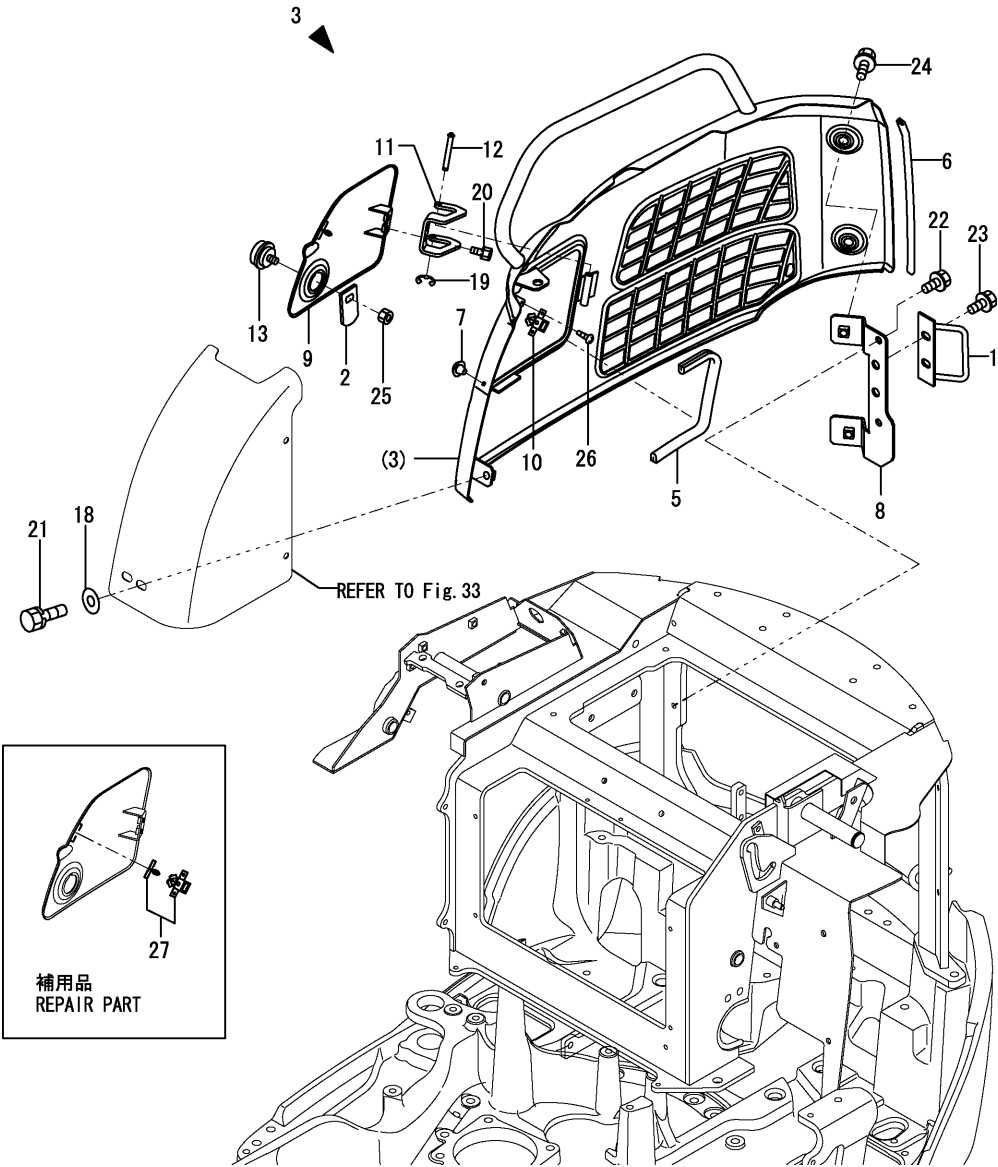
Remarks
(1)REPAIR PART

Fig.37. BONNET(2)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

見出しNo. 3は
見出しNo. (3) から7を含みます
3 inc. (3) ~7

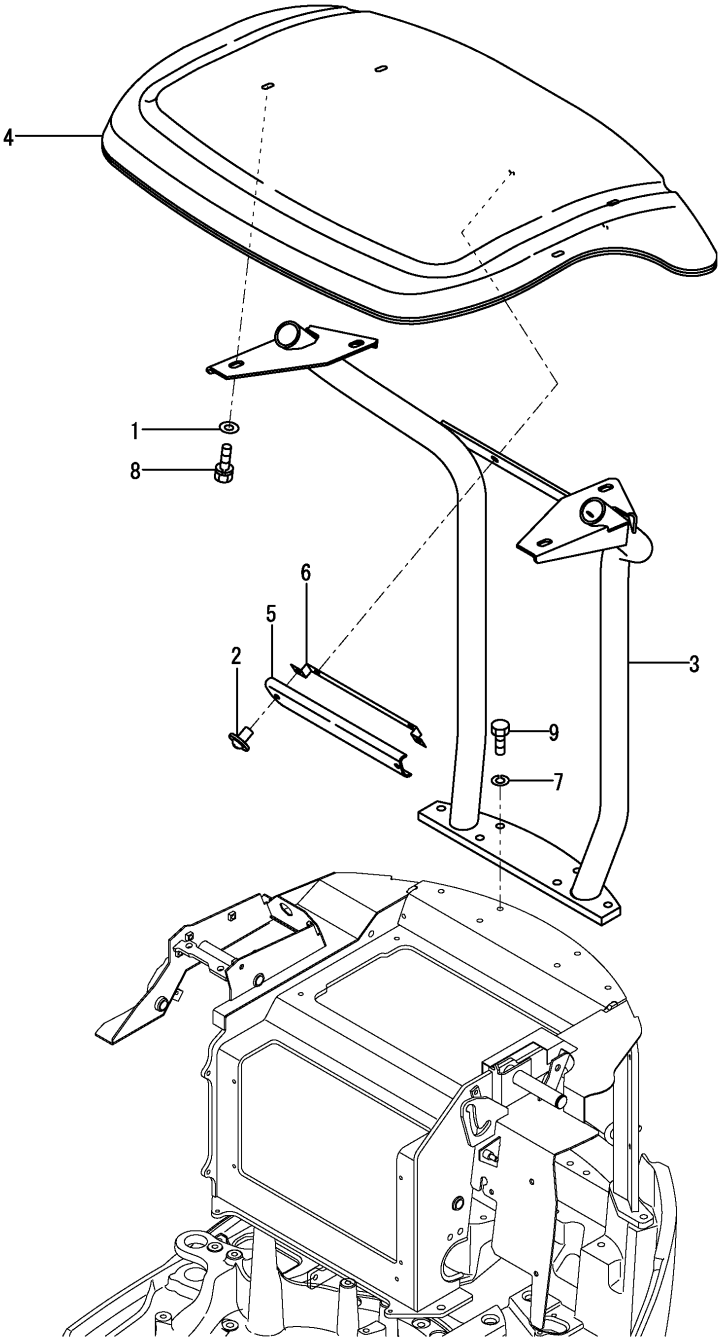


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-65070	BAR ASSY, LOCK	1	1						
2	1	172448-65270	LOCK PLATE,FO	1	1						
3	1	172A55-65290	BONNET R (GREEN:96)	1	1						
5	2	172164-65580	MOLDING	1	1						
6	2	172448-65700	SEAL, RUBBER 280	1	1						
7	2	172176-67790	PLUG	1	1						
8	1	172448-65500	BRACKET ASSY,BONNET	1	1						
9	1	172448-65610	COVER ASSY, FUEL	1	1						
10	1	172448-65680	CATCH, ROLLER	1	1						
11	1	172448-65960	HINGE,FO COVER	1	1						
12	1	172448-65970	PIN,HINGE FO	1	1						
13	1	172164-66170	KEY ASSY, CYLINDER	1	1						
18	1	22137-100000	WASHER, 10	1	1						
19	1	22272-000050	RING, E- 5	1	1						
20	1	26013-060122	BOLT, M6X 12	2	2						
21	1	26013-100202	BOLT, M10X 20	1	1						
22	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
23	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
24	1	26106-100202	BOLT, M10X 20 PLATED	3	3						
25	1	26347-100002	NUT, M10	1	1						
26	1	26557-040082	SCREW, M4X 8	2	2						
27	1	172448-08330	CATCH KIT, ROLLER	1	1						1

Remarks
(1)REPAIR PARTS

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

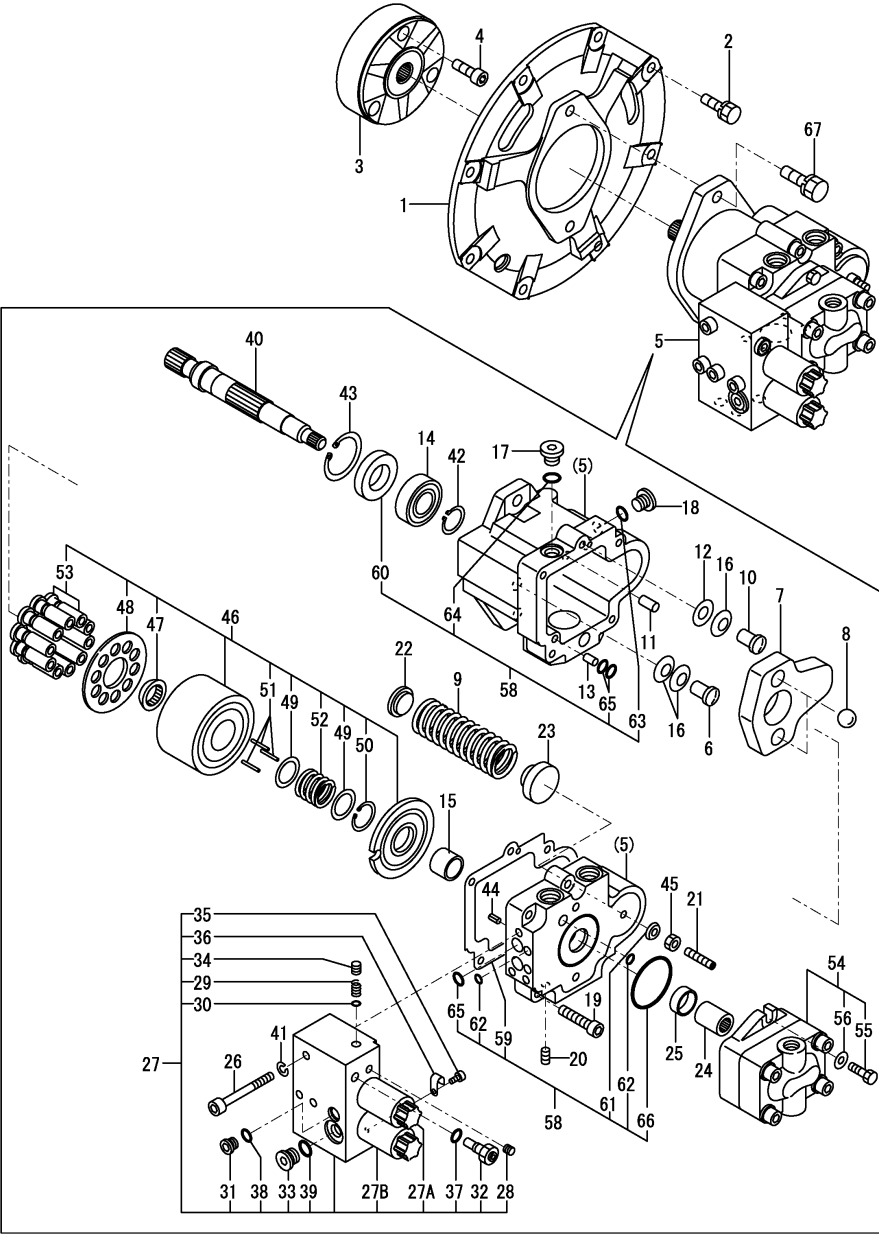


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-05250	WASHER 12	6	6						
2	1	172187-63160	CLIP	2	2						
3	1	172448-68100	CANOPY ASSY	1	1						
3-1	1	172448-68100-1	CANOPY ASSY	1	1						S
		(A=M/#28498) (B=M/#28498)									
4	1	172449-68200	ROOF,CANOPY	1	1						
5	1	172449-68210	COVER, CANOPY	1	1						
6	1	172449-68220	STAY, COVER	1	1						
7	1	22217-120000	WASHER, SPRING 12	6	6						
8	1	26013-120252	BOLT, M12X 25	6	6						
9	1	26076-120352	BOLT, 10.912X 35	6	6						

Fig.39. HYD.OIL PUMP & JOINT

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



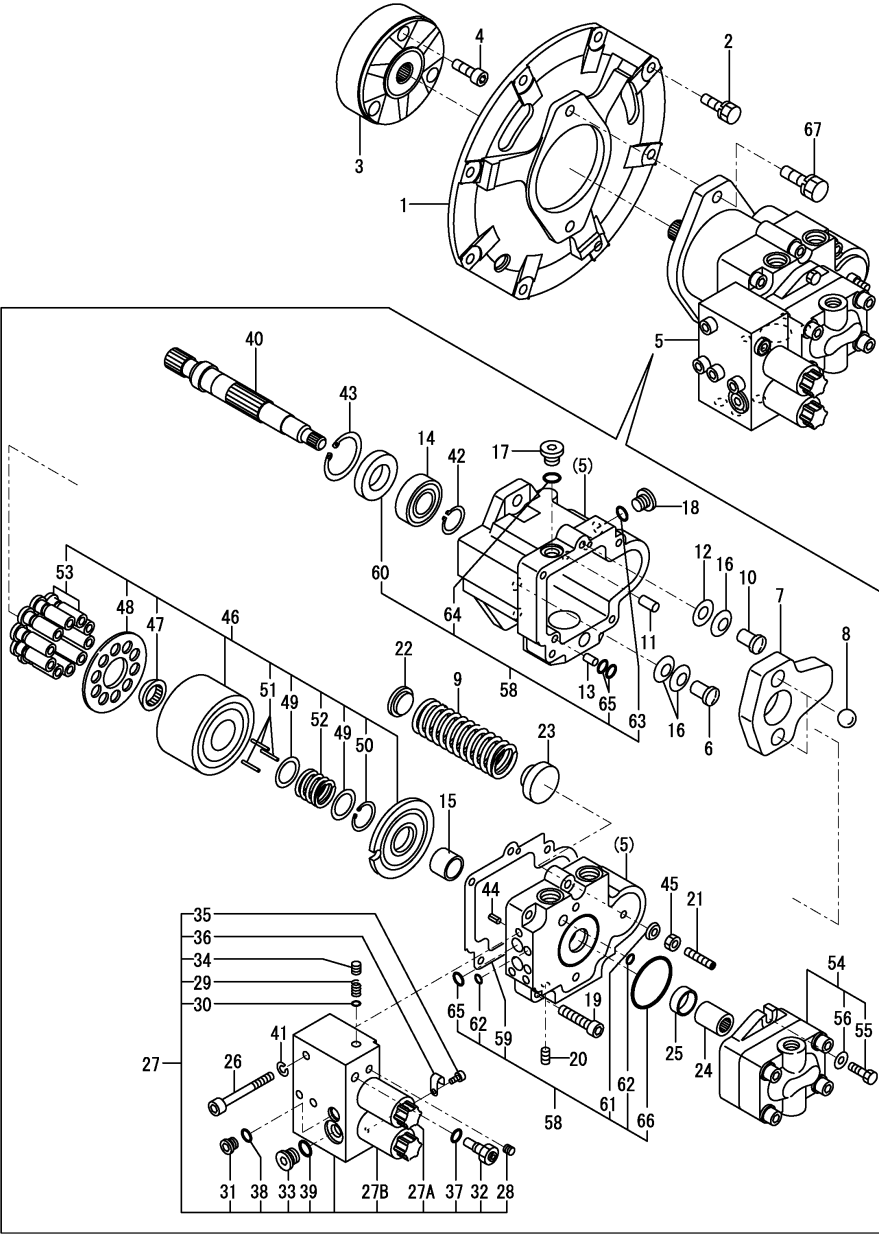
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-71101	MOUNT, PUMP	1	1						
1-1	1	172183-71101-1	MOUNT, PUMP	1	1						S
		(A=M/#28498) (B=M/#28498)									
2	1	26013-100252	BOLT, M10X 25	8	8						
3	1	172448-71200	COUPLING	1	1						
4	1	26450-100352	BOLT, M10X 35	3	3						
5	1	172448-73100	PUMP ASSY	1	1						
6	2	172450-73110	PIN,STOPPER	1	1						
7	2	172422-73140	PLATE, SWASH	1	1						
8	2	172422-73160	PIN	2	2						
9	2	172448-73160	SPRING	1	1						
10	2	172448-73180	PIN A,STOPPER	1	1						
11	2	172422-73220	PIN	1	1						
12	2	172422-73240	WASHER	1	1						
13	2	172422-73280	PIN	1	1						
14	2	172422-73290	BEARING, BALL	1	1						
15	2	172422-73500	BEARING, NEEDLE	1	1						
16	2	172422-73520	SPRING	3	3						
17	2	172422-73530	PLUG	1	1						
18	2	172422-73530	PLUG	1	1						
19	2	172422-73540	BOLT	5	5						
20	2	172422-73550	PLUG	4	4						
21	2	172422-73560	SCREW	1	1						
22	2	172458-73560	HOLDER, SPRING	1	1						
23	2	172458-73570	GUIDE, SPRING	1	1						
24	2	172422-73580	COUPLING	1	1						
25	2	172422-73590	COLLAR	1	1						
26	2	172422-73610	BOLT	3	3						
27	2	172458-73620	BLOCK ASSY, VALVE	1	1						
27-1	2	172458-73621	BLOCK ASSY, VALVE	1	1						N
		(A=*2014.10.) (B=*2014.10.)									
27A	3	172458-73680	VALVE ASSY	1	1						1
27B	3	172458-73690	VALVE ASSY	1	1						2
28	3	172422-73550	PLUG	7	7						
29	3	172422-73620	SPRING	1	1						
30	3	172422-73630	FILTER	1	1						
31	3	172458-73630	PLUG	1	1						
32	3	172422-73640	ADJUSTER KIT	1	1						
33	3	172458-73640	PLUG	1	1						
34	3	172422-73650	PLUG	2	2						
35	3	172422-73660	BOLT	1	1						
36	3	172422-73670	CLAMP	1	1						
37	3	24311-000100	O-RING, 1AP10.0	1	1						
38	3	24315-000080	O-RING, 1BP8.0	1	1						
39	3	24315-000140	O-RING, 1BP14.0	1	1						
40	2	172458-73660	SHAFT	1	1						
41	2	22212-080000	WASHER 8	3	3						
42	2	22242-000250	RING, 25	1	1						
43	2	22252-000520	RING, 52	1	1						
44	2	22351-060016	PIN, SPRING 6.0X16	1	1						
45	2	26711-080002	NUT, M8	1	1						

Remarks
(1)For second gear traveling.
(2)For safety lock.

Fig.39. HYD.OIL PUMP & JOINT

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

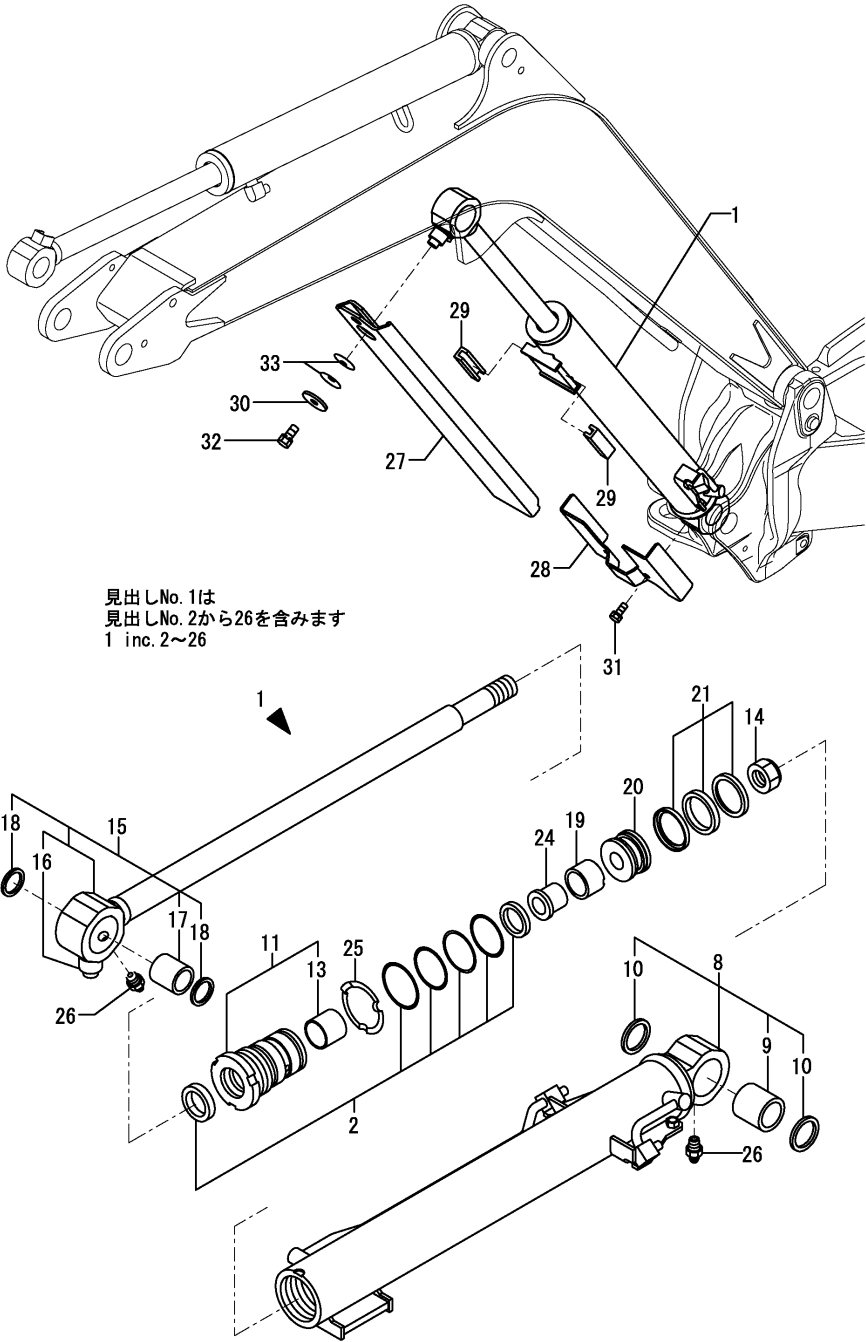
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
46	2	172448-73110	CYLINDER BARREL KIT	1	1						
47	3	172422-73130	HOLDER, BARREL	1	1						
48	3	172448-73150	HOLDER,SHOE	1	1						
49	3	172448-73170	RETAINER	2	2						
50	3	172448-73190	SNAP RING	1	1						
51	3	172458-73530	NEEDLE	3	3						
52	3	172458-73540	SPRING	1	1						
53	3	172448-73120	PISTON,PUMP ASSY	1	1						
54	2	172448-73140	PUMP ASSY,GEAR	1	1						
55	2	172450-73120	BOLT	2	2						
56	2	172450-73130	WASHER	2	2						
58	2	172448-73130	SEAL SET, PUMP	1	1						
59	2	172422-73170	GASKET	1	1						
60	2	172422-73510	SEAL, OIL	1	1						
61	2	172422-73570	WASHER	1	1						
62	2	24315-000080	O-RING, 1BP8.0	2	2						
63	2	24315-000110	O-RING, 1BP11.0	1	1						
64	2	24315-000110	O-RING, 1BP11.0	1	1						
65	2	24315-000120	O-RING, 1BP12.0	3	3						
66	2	24325-000550	O-RING, 1BG55.0	1	1						
67	1	26013-120352	BOLT, M12X 35	2	2						

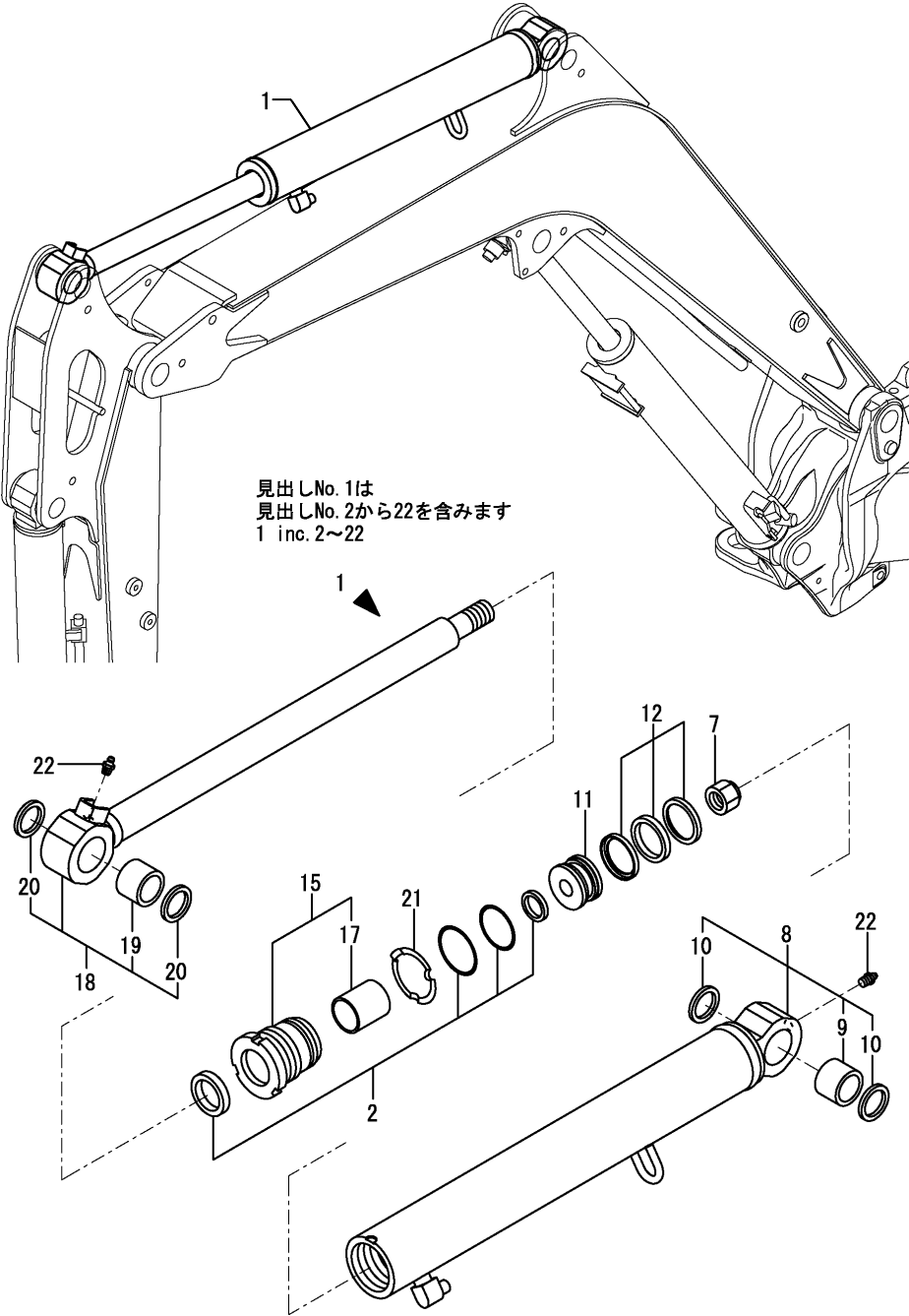
Remarks
(1)For second gear traveling.
(2)For safety lock.

Fig.40. BOOM CYLINDER



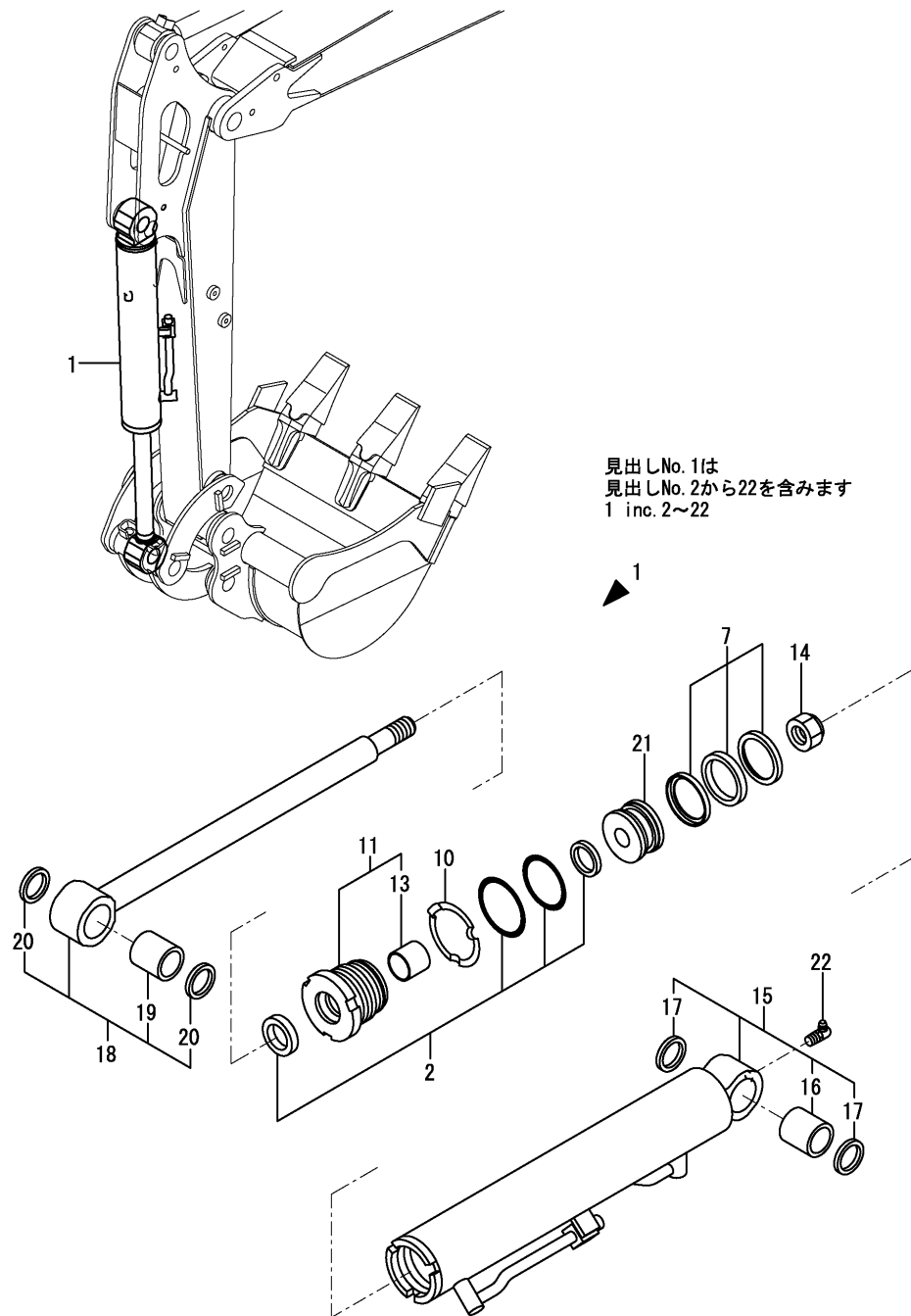
														OCK10-M40401		Fig.40	
														(A)=VIO15-2A(JP)		(D)=	
														(B)=VIO15-2A(EX)		(E)=	
														(C)=		(F)=	
No.	Lev.	Parts No.	Description	Q'ty						I	R						
				(A)	(B)	(C)	(D)	(E)	(F)								
1	1	172448-72100	CYLINDER ASSY, BOOM	1	1												
2	2	172449-72010	SEAL SET, HEAD 55 30	1	1												
8	2	172448-72280	TUBE ASSY, BOOM	1	1												
9	3	172141-72561	BUSH (35-45-30	1	1												
10	3	172448-81610	SEAL, DUST 35X45X4	2	2												
11	2	172449-72110	HEAD 55-30 ASSY	1	1												
13	3	24550-030300	BUSH, 30X30	1	1												
14	2	172171-72130	NUT, M24	1	1												
15	2	172448-72290	ROD ASSY,BOOM	1	1												
16	4	172146-72211	SEAT, SCREW M10	1	1												
17	3	172141-72561	BUSH (35-45-30	1	1												
18	3	172448-81610	SEAL, DUST 35X45X4	2	2												
19	2	172448-72270	PLUNGER, CUSHION 41	1	1												
20	2	172449-72311	PISTON 55(24-28	1	1												
21	2	172449-72321	GASKET ASSY, RGU55	1	1												
24	2	172449-72350	COLLAR, 41	1	1												
25	2	172173-72550	ROCK WASHER 55	1	1												
26	2	24761-020000	NIPPLE, GREASE PT1/8	2	2												
27	1	172448-72190	COVER, SLIDE	1	1												
28	1	172448-72240	COVER, HOSE	1	1												
29	1	172186-72480	GUIDE, SLIDE	2	2												
30	1	22157-100000	WASHER, 10	1	1												
31	1	26013-080162	BOLT, M8X 16	2	2												
32	1	26013-100202	BOLT, M10X 20	1	1												
33	1	933168-14170	SPRING	2	2												
												</					

Fig.41. ARM CYLINDER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-72300	CYLINDER, ARM	1	1						
2	2	172449-72020	SEAL SET, HEAD 55 35	1	1						
7	2	172171-72130	NUT, M24	1	1						
8	2	172448-72350	TUBE ASSY, ARM	1	1						
9	3	172149-72440	BUSH A 30X30,PIN	1	1						
10	3	172448-81600	SEAL, DUST 30X40X4	2	2						
11	2	172449-72311	PISTON 55(24-28	1	1						
12	2	172449-72321	GASKET ASSY, RGU55	1	1						
15	2	172449-72410	HEAD CMP B,55-35	1	1						
17	3	24550-035300	BUSH, 35X30	1	1						
18	2	172449-72490	ROD ASSY,ARM	1	1						
19	3	172149-72440	BUSH A 30X30,PIN	1	1						
20	3	172448-81600	SEAL, DUST 30X40X4	2	2						
21	2	172173-72550	ROCK WASHER 55	1	1						
22	2	24761-020000	NIPPLE, GREASE PT1/8	2	2						

Fig.42. BUCKET CYLINDER



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

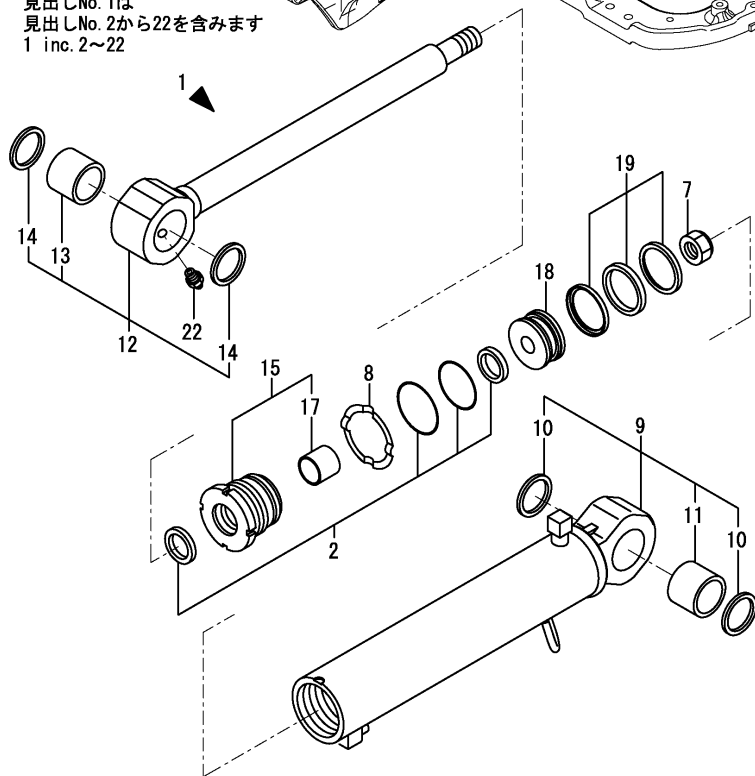
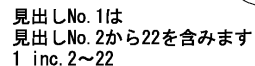
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172449-72550	CYLINDER ASSY	1	1						
2	2	172449-72030	SEAL SET, HEAD 55 30	1	1						
7	2	172449-72321	GASKET ASSY, RGU55	1	1						
10	2	172173-72550	ROCK WASHER 55	1	1						
11	2	172449-72560	HEAD CMP 55 30	1	1						
13	3	24550-030300	BUSH, 30X30	1	1						
14	2	172141-72580	NUT, M20	1	1						
15	2	172449-72600	TUBE ASSY, BUCKET	1	1						
16	3	172149-72440	BUSH A 30X30,PIN	1	1						
17	3	172448-81600	SEAL, DUST 30X40X4	2	2						
18	2	172449-72640	ROD ASSY,BUCKET	1	1						
19	3	172149-72440	BUSH A 30X30,PIN	1	1						
20	3	172448-81600	SEAL, DUST 30X40X4	2	2						
21	2	172449-72681	PISTON 55(20-28	1	1						
22	2	24761-050000	NIPPLE, GREASE C	1	1						

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

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Fig.43. SWING CYLINDER

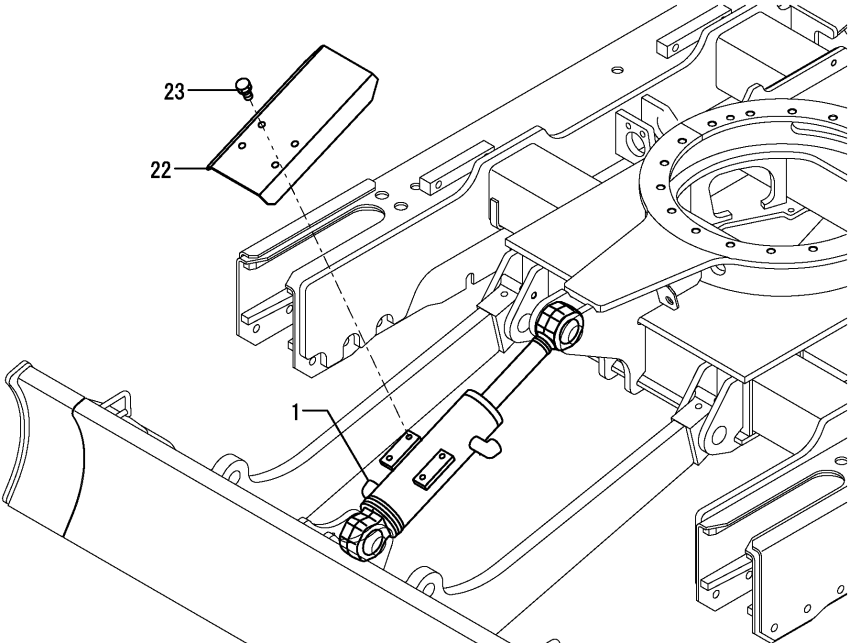


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-72600	CYLINDER ASSY, SWING	1	1						
1-1	1	172448-72600-2	CYLINDER ASSY, SWING	1	1						S
		(A=M/#28498)	(B=M/#28498)								
2	2	172449-72040	SEAL SET, HEAD 65 35	1	1						
7	2	172171-72130	NUT, M24	1	1						
8	2	172142-72560	WASHER 65, LOCK	1	1						
9	2	172448-72660	TUBE ASSY, SWING	1	1						
9-1	2	172448-72660-1	TUBE ASSY, SWING	1	1						S
		(A=M/#28498)	(B=M/#28498)								
10	3	172448-72650	SEAL, DUST	2	2						
11	3	172458-72740	BUSH 40X40,SO	1	1						
12	2	172448-72670	ROD ASSY,SWING	1	1						
13	3	172168-72410	BUSH 40X50X40	1	1						
14	3	172448-72650	SEAL, DUST	2	2						
15	2	172449-72810	HEAD CMP 65-35	1	1						
17	3	24550-035300	BUSH, 35X30	1	1						
18	2	172449-72951	PISTON 65(24-31	1	1						
19	2	172449-72960	GASKET RGU 65	1	1						
22	2	24761-050000	NIPPLE, GREASE C	1	1						

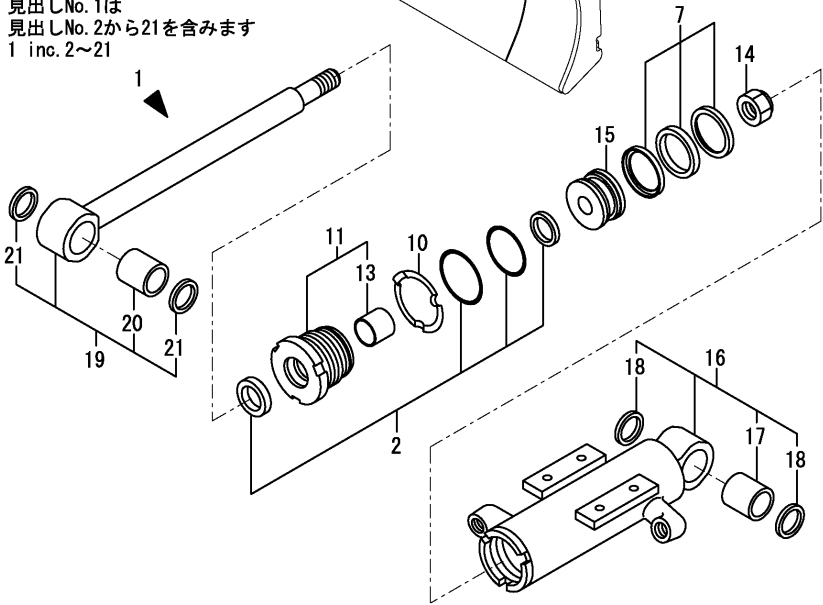
Fig.44. BLADE CYLINDER

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



見出しNo. 1は
見出しNo. 2から21を含みます
1 inc. 2~21

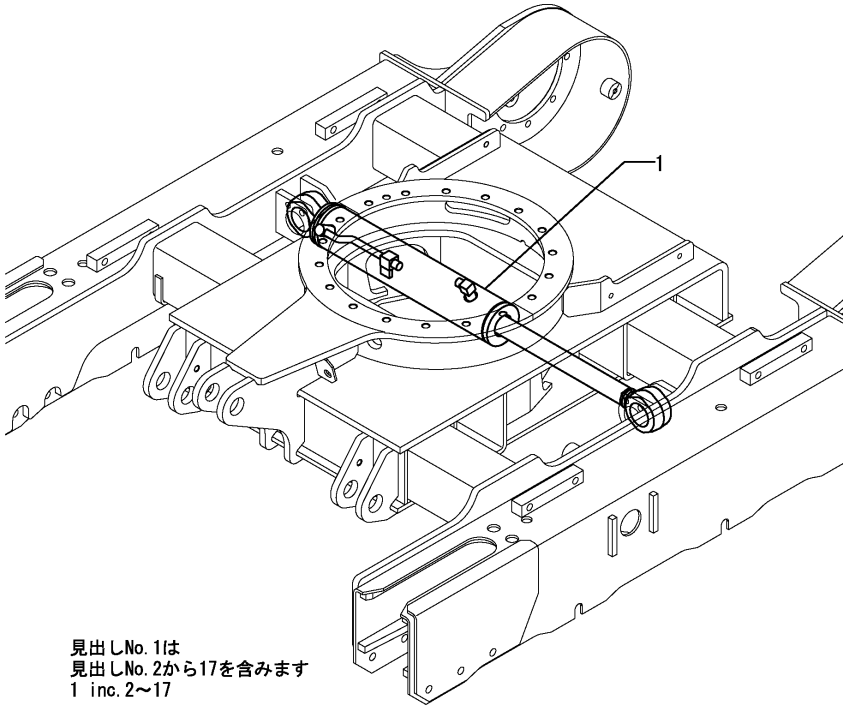


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172449-72700-2	CYLINDER ASSY, BLADE	1	1						
1-1	1	172449-72700-3	CYLINDER ASSY, BLADE	1	1						S
		(A=M/#28498) (B=M/#28498)									
2	2	172449-72030	SEAL SET, HEAD 55 30	1	1						
7	2	172449-72321	GASKET ASSY, RGU55	1	1						
10	2	172173-72550	ROCK WASHER 55	1	1						
11	2	172449-72560	HEAD CMP 55 30	1	1						
13	3	24550-030300	BUSH, 30X30	1	1						
14	2	172141-72580	NUT, M20	1	1						
15	2	172449-72681	PISTON 55(20-28	1	1						
16	2	172449-72720	TUBE ASSY, BLADE	1	1						
16-1	2	172449-72720-1	TUBE ASSY, BLADE	1	1						S
		(A=M/#28498) (B=M/#28498)									
17	3	172149-72440	BUSH A 30X30,PIN	1	1						
18	3	172448-81600	SEAL, DUST 30X40X4	2	2						
19	2	172449-72760	ROD ASSY,BLADE	1	1						
20	3	172149-72440	BUSH A 30X30,PIN	1	1						
21	3	172448-81600	SEAL, DUST 30X40X4	2	2						
22	1	172447-72790-2	PROTECTOR (GREEN:88)	1	1						
22-1	1	172447-72790-3	PROTECTOR (GRAY:49)	1	1						S
		(A=M/#28498) (B=M/#28498)									
23	1	26013-080162	BOLT, M8X 16	4	4						

Fig.45. VARIABLE LEG WIDEN / SHORTEN CYLINDER

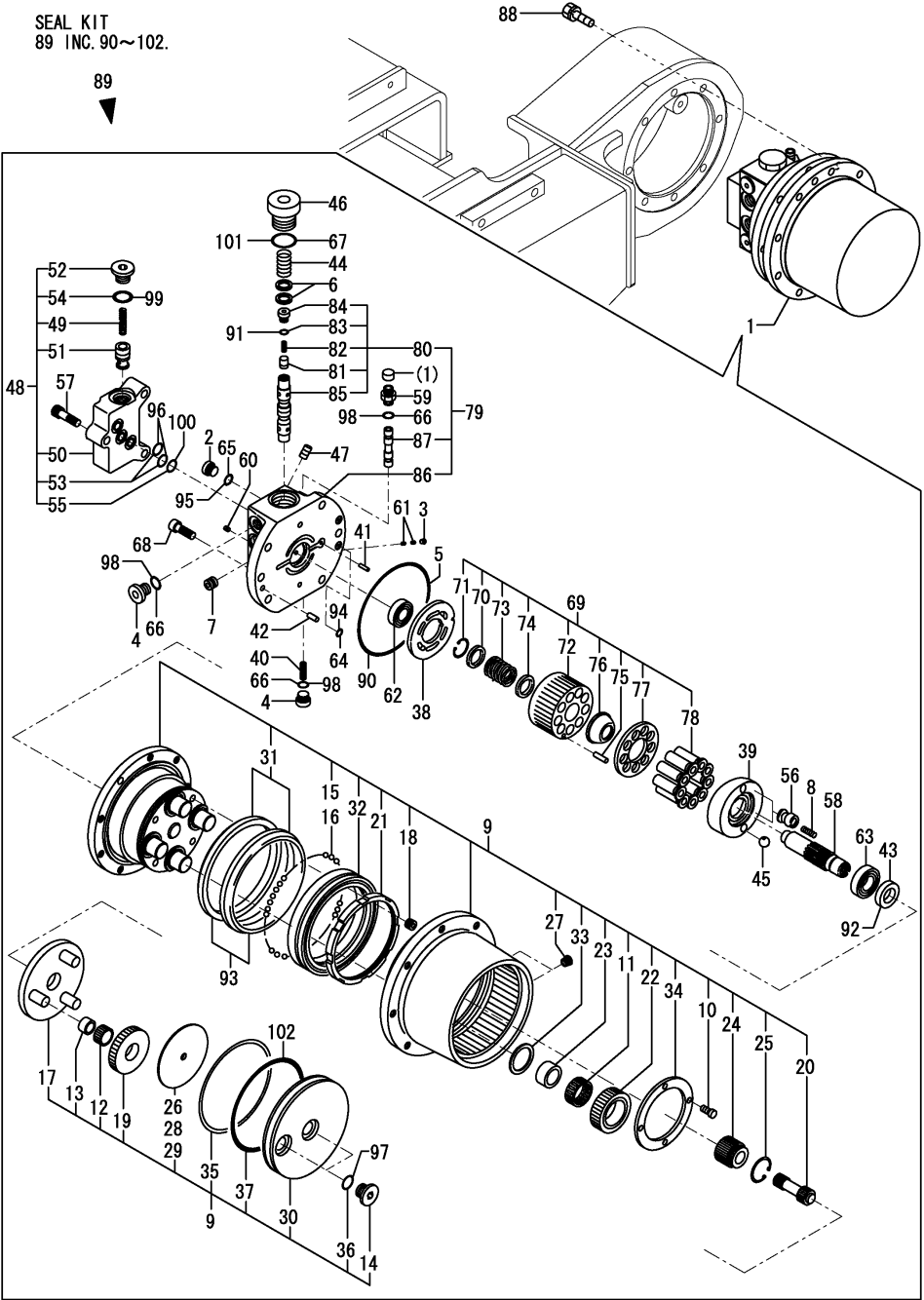
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-72900	CYLINDER ASSY	1	1						
1-1	1	172448-72900-2	CYLINDER ASSY	1	1						S
(A=M/#28498) (B=M/#28498)											
2	2	172449-72030	SEAL SET, HEAD 55 30	1	1						
7	2	172449-72321	GASKET ASSY, RGU55	1	1						
10	2	172173-72550	ROCK WASHER 55	1	1						
11	2	172449-72560	HEAD CMP 55 30	1	1						
13	3	24550-030300	BUSH, 30X30	1	1						
14	2	172141-72580	NUT, M20	1	1						
15	2	172449-72681	PISTON 55(20-28	1	1						
16	2	172448-72910	TUBE, VARIABLE	1	1						
16-1	2	172448-72910-2	TUBE, VARIABLE	1	1						S
(A=M/#28498) (B=M/#28498)											
17	2	172448-72940	ROD,S/W	1	1						

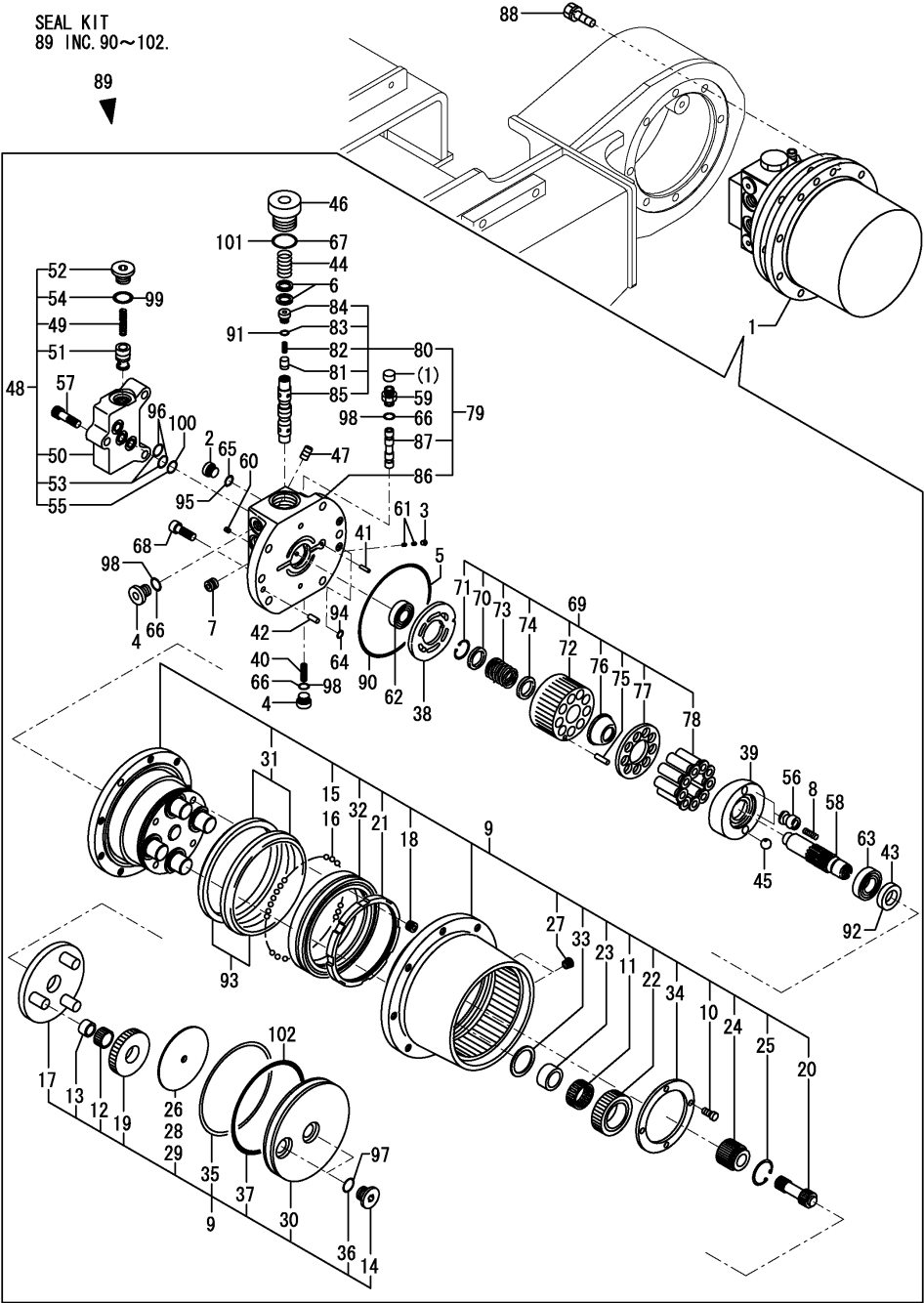
Fig.46. TRAVEL MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-73300	MOTOR ASSY,TRAVEL	2	2						
1-1	1	172448-73301	MOTOR ASSY, TRAVEL	2	2						N
(A=M/#27536) (B=M/#27536)											
2	2	1A6240-37360	PLUG	4	4						
3	2	172147-70220	PLUG	4	4						
4	2	172148-70301	PLUG	6	6						
5	2	172141-70370	O-RING	2	2						
6	2	172141-70450	SEAT, SPRING	4	4						
7	2	172162-70780	PLUG	2	2						
8	2	172168-71950	SPRING	4	4						
9	2	172448-73320	GEAR, REDUCTION	2	2						
10	3	172141-70110	SCREW	8	8						
11	3	172147-70120	GAUGE ASSY	8	8						
12	3	172141-70150	GAUGE, W/ROLLER	6	6						
13	3	172141-70160	RACE, INNER	6	6						
14	3	172148-70301	PLUG	4	4						
15	3	172122-70350	BALL, STEEL	198	198						
16	3	172122-70350	BALL, STEEL	20	20						
17	3	172448-73330	HOLDER	2	2						
18	3	172450-73330	PLUG	4	4						
19	3	172448-73340	GEAR, PLANETARY	6	6						
20	3	172448-73350	GEAR, DRIVE	2	2						
21	3	172456-73350	NUT, RING	2	2						
22	3	172456-73360	GEAR, PLANETARY	8	8						
23	3	172456-73370	INNER RACE	8	8						
24	3	172456-73380	GEAR, SUN	2	2						
25	3	172456-73390	SNAP RING	2	2						
26	3	172456-73420	THRUST PLATE	2	2						
27	3	172122-73430	PLUG	4	4						
28	3	172456-73430	THRUST PLATE	2	2						
29	3	172456-73440	THRUST PLATE	2	2						
30	3	172456-73450	COVER	2	2						
31	3	172183-73510	SEAL, FLOATING	2	2						
32	3	172183-73520	BEARING	2	2						
33	3	172183-73560	WASHER, THRUST	8	8						
34	3	172183-73570	PLATE, THRUST	2	2						
35	3	172183-73660	WIRE	2	2						
36	3	24315-000110	O-RING, 1BP11.0	4	4						
37	3	24315-001300	O-RING, 1BP130.0	2	2						
38	2	172638-73330	PLATE, VALVE	2	2						
39	2	172448-73360	PLATE	2	2						
40	2	172421-73400	SPRING	2	2						
41	2	172122-73470	PIN	2	2						
42	2	172122-73480	PIN	4	4						
43	2	172450-73490	SEAL, OIL	2	2						
44	2	172456-73500	SPRING	4	4						
44-1	2	172448-73500	SPRING	4	4						N
(A=M/#27536) (B=M/#27536)											
45	2	172450-73510	BALL, STEEL	4	4						
46	2	172456-73510	CAP	4	4						
47	2	172456-73520	ORIFICE	4	4						

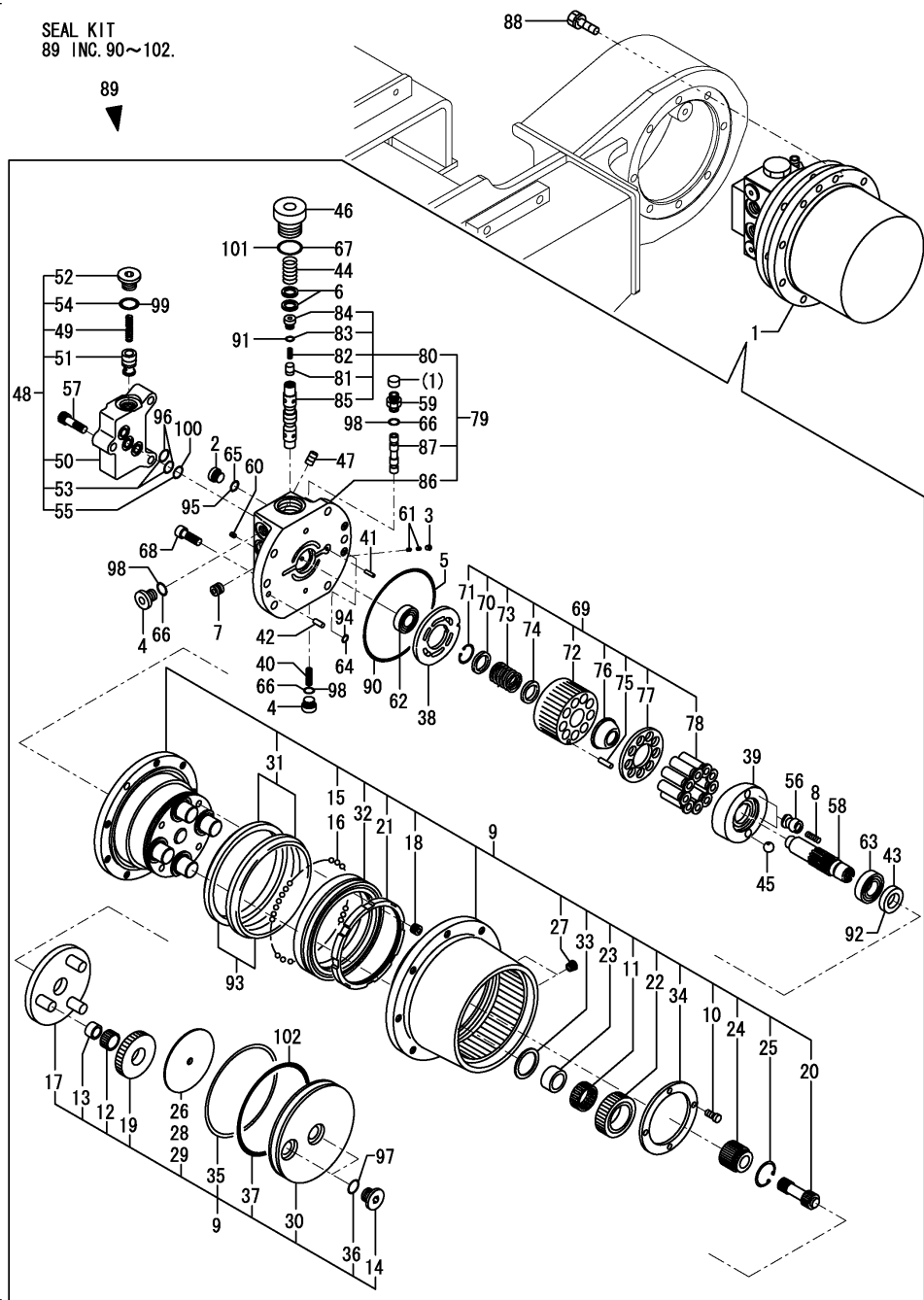
Fig.46. TRAVEL MOTOR

SEAL KIT
89 INC. 90~102.



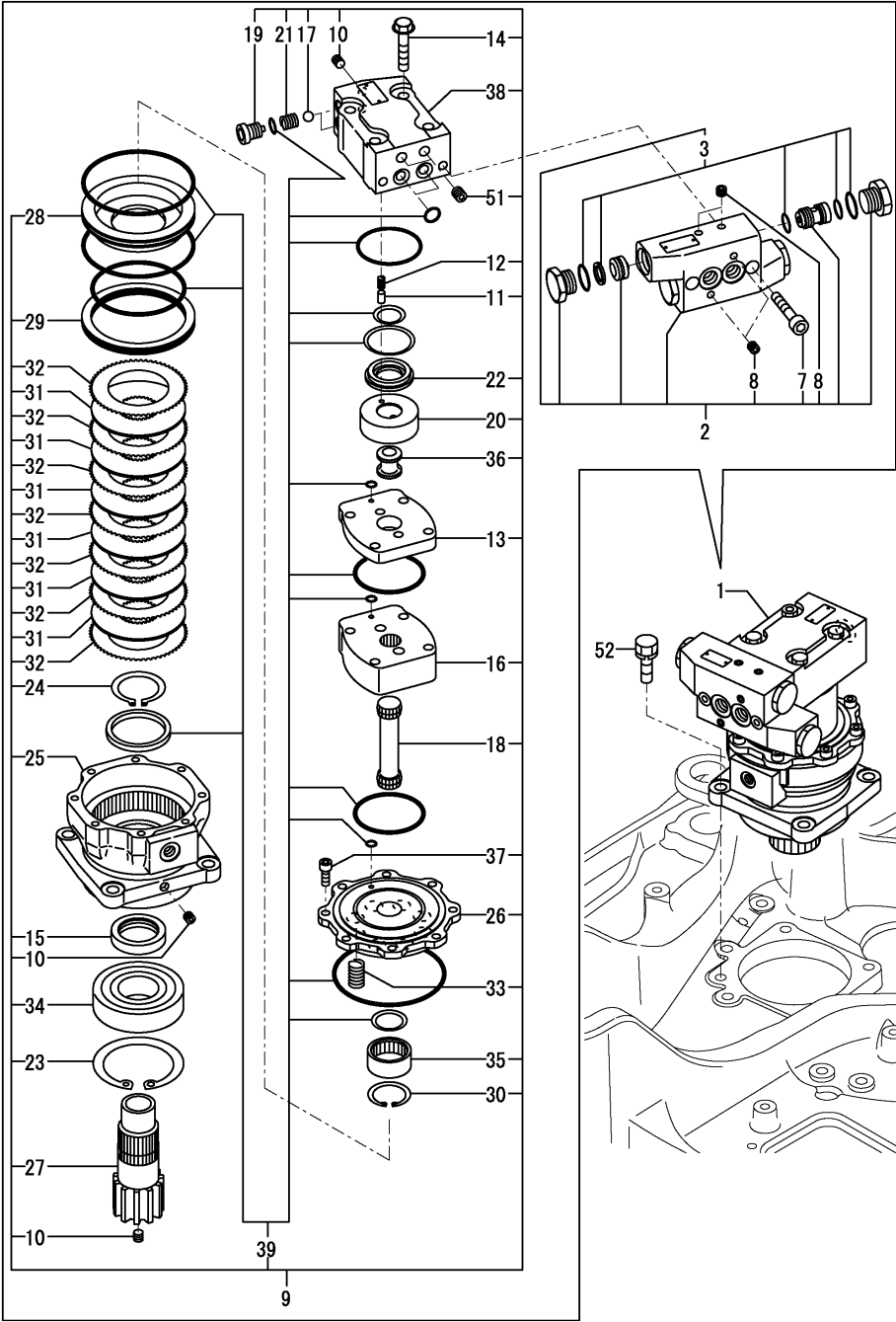
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	2	172456-73540	VALVE ASSY	2	2						
49	3	172148-71580	SPRING	4	4						
50	3	172456-73550	BODY, VALVE	2	2						
51	3	172456-73560	CHECK VALVE	4	4						
52	3	172183-73770	PLUG	4	4						
53	3	24315-000100	O-RING, 1BP10.0	4	4						
54	3	24315-000110	O-RING, 1BP11.0	4	4						
55	3	24315-000120	O-RING, 1BP12.0	2	2						
56	2	172450-73550	PISTON ASSY	4	4						
57	2	172456-73570	BOLT, SOCKET HEAD	6	6						
58	2	172183-73670	SHAFT	2	2						
59	2	172183-73780	PLUG	2	2						
60	2	172183-73870	PLUG	4	4						
61	2	172312-74790	ORIFICE	8	8						
62	2	24101-060024	BEARING, BALL 6002	2	2						
63	2	24101-060044	BEARING, BALL 6004	2	2						
64	2	24315-000070	O-RING, 1BP7.0	6	6						
65	2	24315-000080	O-RING, 1BP8.0	4	4						
66	2	24315-000110	O-RING, 1BP11.0	8	8						
67	2	24315-000240	O-RING, 1BP24.0	4	4						
68	2	26450-080202	BOLT, M8X 20	12	12						
69	2	172448-73420	CYLINDER BLOCK KIT	2	2						
70	3	172141-70290	HOLDER, SPRING	2	2						
71	3	172141-70310	RING, SNAP	2	2						
72	3	172168-71880	BLOCK, CYLINDER	2	2						
73	3	172168-71890	SPRING	2	2						
74	3	172168-71900	SEAT, SPRING	2	2						
75	3	172168-71910	PIN	6	6						
76	3	172168-71920	HOLDER, RETAINER	2	2						
77	3	172450-73530	PLATE, RETAINER	2	2						
78	3	172450-73540	PISTON ASSY	18	18						
79	2	172448-73390	BASE PLATE KIT	2	2						
79-1	2	172448-73391	BASE PLATE KIT	2	2						N
(A=M/#27536) (B=M/#27536)											
80	3	172448-73370	SPOOL ASSY	2	2						
80-1	3	172448-73371	SPOOL ASSY	2	2						N
(A=M/#27536) (B=M/#27536)											
81	4	172141-70410	VALVE, CHECK	4	4						
82	4	172141-70420	SPRING	4	4						
83	4	172141-70440	O-RING	4	4						
84	4	172421-73380	PLUG	4	4						
85	4	172448-73380	SPOOL	2	2						
85-1	4	172448-73381	SPOOL	2	2						N
(A=M/#27536) (B=M/#27536)											
86	3	172456-73470	PLATE, BASE	2	2						
87	2	172456-73530	SPOOL	2	2						
88	1	26013-100252	BOLT, M10X 25	16	16						
89	1	172456-73320	SEAL SET	2	2						
90	2	172141-70370	O-RING	2	2						
91	2	172141-70440	O-RING	4	4						
92	2	172450-73490	SEAL, OIL	2	2						

Fig.46. TRAVEL MOTOR



No.	Lev.	Parts No.	Description	(A)=VIO15-2A(JP)	(B)=VIO15-2A(EX)	(C)=	(D)=	(E)=	(F)=	I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
93	2	172183-73510	SEAL, FLOATING	2	2						
94	2	24315-000070	O-RING, 1BP7.0	6	6						
95	2	24315-000080	O-RING, 1BP8.0	4	4						
96	2	24315-000100	O-RING, 1BP10.0	4	4						
97	2	24315-000110	O-RING, 1BP11.0	4	4						
98	2	24315-000110	O-RING, 1BP11.0	8	8						
99	2	24315-000110	O-RING, 1BP11.0	4	4						
100	2	24315-000120	O-RING, 1BP12.0	2	2						
101	2	24315-000240	O-RING, 1BP24.0	4	4						
102	2	24315-001300	O-RING, 1BP130.0	2	2						

Fig.47. TURNING MOTOR



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

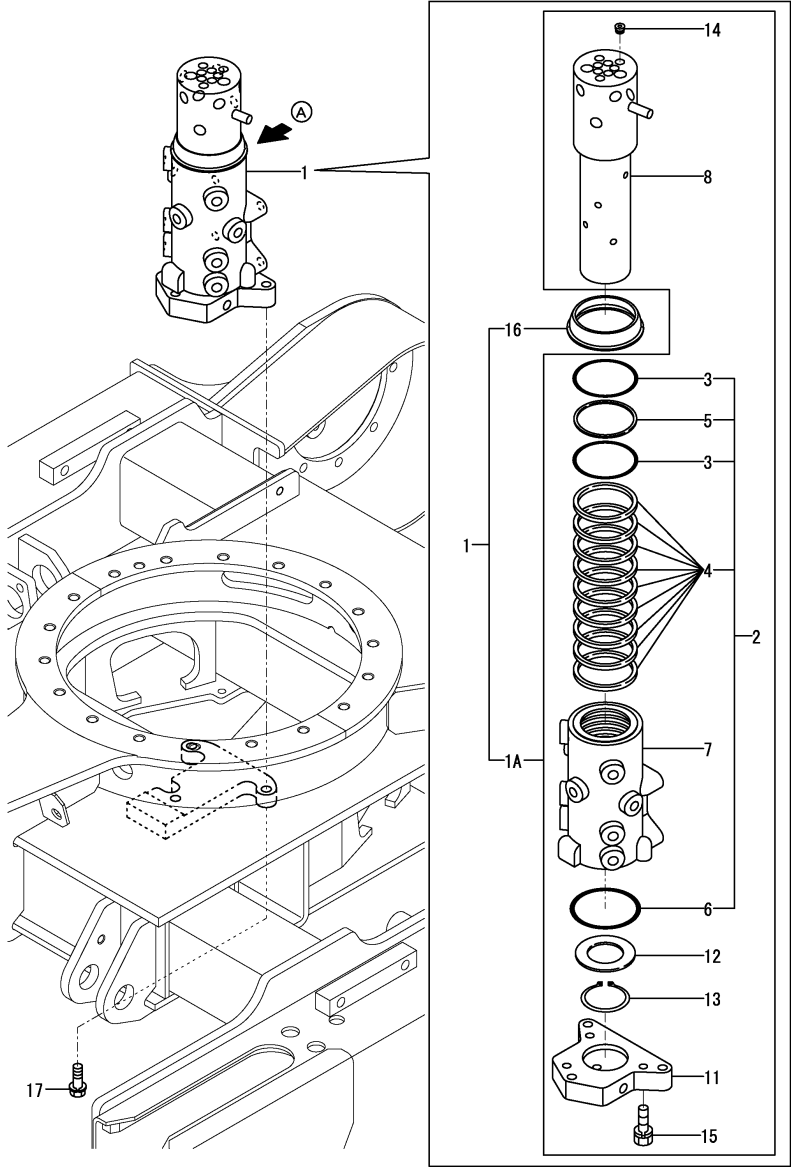
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-73310	MOTOR ASSY,SWING	1	1						
2	2	172448-73410	VALVE ASSY,SHOCKLESS	1	1						
3	3	172456-77110	SEAL SET, VALVE	1	1						
7	3	172456-77130	BOLT 6*65	2	2						
8	3	23871-010000	PLUG, R01	6	6						
9	2	172456-77140	MOTOR,SWING	1	1						
10	3	172137-70490	PLUG	4	4						
11	3	172137-70570	PIN	2	2						
12	3	172137-70580	SPRING	2	2						
13	3	172148-73350	PLATE, VALVE	1	1						
14	3	172173-73510	BOLT 12X40	4	4						
15	3	172173-73520	COLLAR	1	1						
16	3	172173-73570	GEROLLER	1	1						
17	3	172168-73580	BALL	2	2						
18	3	172173-73580	DRIVE	1	1						
19	3	172168-73590	PLUG	2	2						
20	3	172173-73590	HOLDER	1	1						
21	3	172168-73600	SPRING	2	2						
22	3	172173-73600	RING	1	1						
23	3	172173-73690	SNAP RING	1	1						
24	3	172173-73700	CIRCLIP	1	1						
25	3	172456-77150	HOUSING, BEARING	1	1						
26	3	172456-77160	FLANGE, MOUTING	1	1						
27	3	172456-77170	GEAR, PINION	1	1						
28	3	172456-77180	PISTON, HYDRAULIC	1	1						
29	3	172456-77190	RING	1	1						
30	3	172456-77200	CIRCLIP	1	1						
31	3	172456-77210	PLATE,FRICITION	6	6						
32	3	172456-77220	PLATE	7	7						
33	3	172456-77230	SPRING	8	8						
34	3	172456-77240	FRONT BEARING	1	1						
35	3	172456-77250	NEEDLE BEARING	1	1						
36	3	172141-77260	DRIVE, VALVE	1	1						
37	3	172456-77270	BOLT 6*65	8	8						
38	3	172456-77280	HOUSING, VALVE	1	1						
39	3	172456-77290	SEAL SET	1	1						
51	3	172141-77400	PLUG, BLIND	2	2						
52	1	26013-120402	BOLT, M12X 40	4	4						

Fig.48. SWIVEL JOINT(Y SPEC.)(TO M28336)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



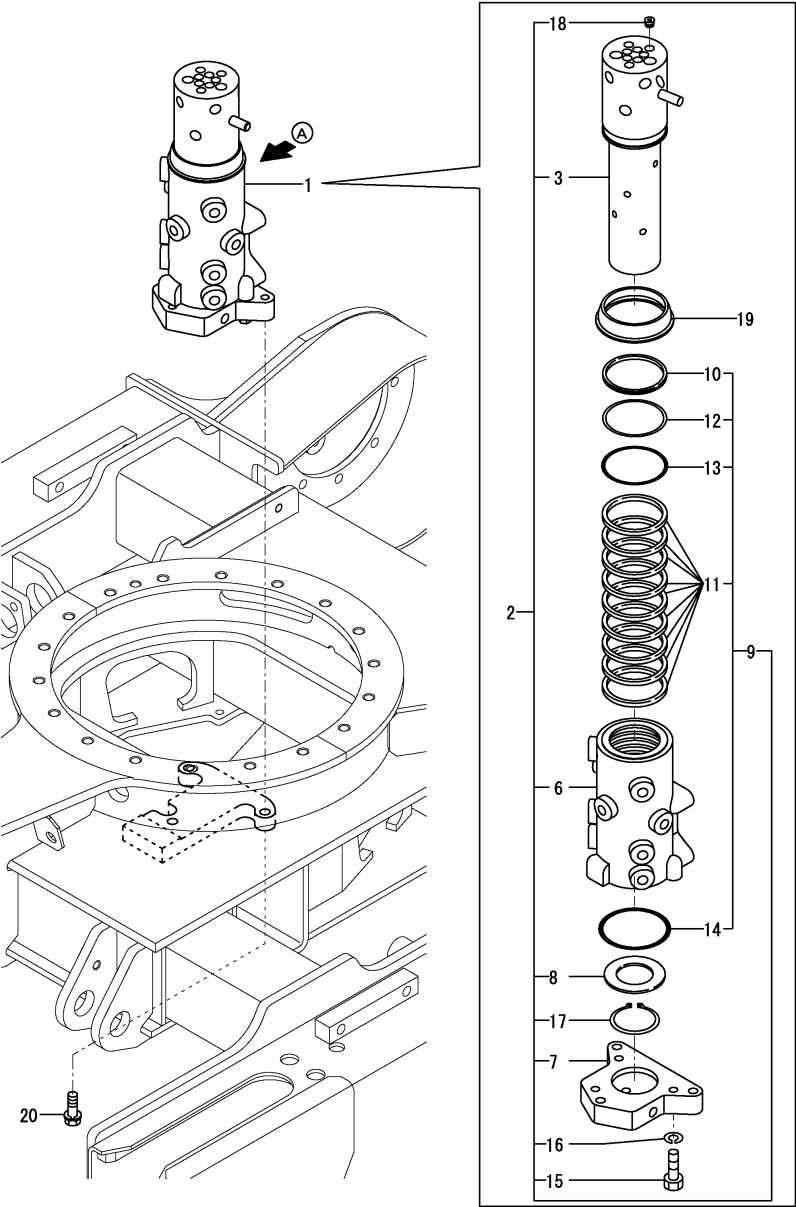
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-73850	SWIVEL ASSY	1	1						
1-1	1	172448-73840	SWIVEL ASSY	1	1					N	1
		(A=M/#28106) (B=M/#28106)									
1-2	1	172448-73840	SWIVEL ASSY	1	1					Z	3
		(A=M28337) (B=M28337)									
1A	2	172448-73851	SWIVEL ASSY	1	1					W	
		(A=M/#28106) (B=M/#28106)									
2	3	172446-73900	SEAL SET, SWIVEL	1	1						
3	4	172142-73800	O-RING, 55.76X5.7	2	2						2
4	4	172458-73820	SEAL, SWIVEL	9	9						
4-1	4	172447-73840	SEAL	9	9					R	2
		(A=M/#28370) (B=M/#28370)									
5	4	172148-73870	RING, BUCK UP	1	1						2
6	4	24321-000700	O-RING, 1AG70.0	1	1						2
7	3	172448-73860	HUB, SWIVEL	1	1						
8	3	172446-73871	SHAFT, SWIVEL	1	1						
8-1	3	172446-73872	SHAFT, SWIVEL	1	1					N	
		(A=M/#28106) (B=M/#28106)									
11	3	172446-73890	FLANGE, SWIVEL	1	1						
12	3	172157-73910	SPACER, SWIVEL	1	1						
13	3	22242-000401	RING, 40	1	1						
14	3	23871-010000	PLUG, R01	8	8						
15	3	26013-080352	BOLT, SPRING M8X 35	3	3						
16	2	172448-73900	COVER, DUCT	1	1					W	2
		(A=M/#28106) (B=M/#28106)									
17	1	26013-100402	BOLT, SPRING M10X 40	3	3						

Remarks
(1)Refer to Fig.84.
(2)Refer to Fig.85.
(3)Compatible by assembly exchange with parts of Fig.86(48A) No.1.
The inner parts are not compatible.

Fig.86. (48A)SWIVEL JOINT(N SPEC.)(FROM M28337)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

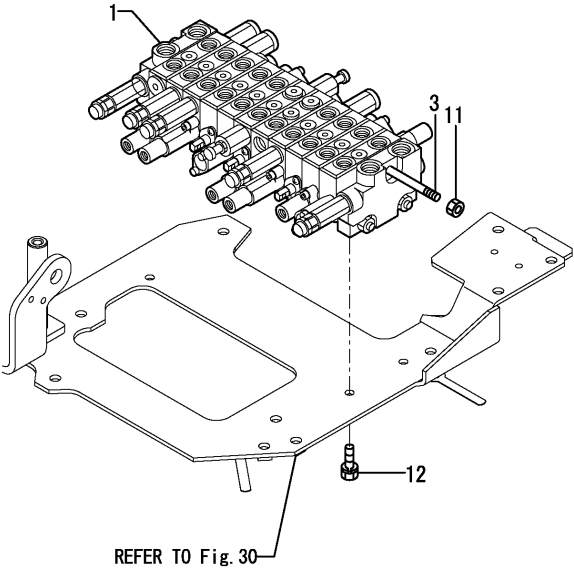
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-73790	JOINT ASSY,SWIVEL S	1	1					W	1
(A=M28337) (B=M28337)											
2	2	172A64-73800	JOINT ASSY,SWIVEL S	1	1						
3	3	172A64-73810	SHAFT ASSY,SWIVEL SL	1	1						
6	3	172A64-73840	HUB,SWIVEL S	1	1						
7	3	172A64-73850	FLANGE,SWIVEL SL	1	1						
8	3	172B02-73860	SPACER, SWIVEL	1	1						
9	3	172A64-73880	SEAL KIT,SL	1	1						
9-1	3	172A64-73860	SEAL KIT, SWIVEL	1	1					N	
(A=*2014.04.) (B=*2014.04.)											
10	4	172A64-73870	RING,V	1	1						
11	4	172B02-73870	SEAL, SWIVEL	9	9						
11-1	4	172B02-73890	SEAL, SWIVEL	9	9					N	
(A=*2014.04.) (B=*2014.04.)											
12	4	172B02-73880	RING, BACKUP T3 55	1	1						
13	4	24315-000560	O-RING, 1BP56.0	1	1						
14	4	24325-000700	O-RING, 1BG70.0	1	1						
15	3	172A64-73890	BOLT,10.9 8X 40	3	3						
16	3	22217-080000	WASHER, SPRING 8	3	3						
17	3	22242-000451	RING, 45	1	1						
18	3	23871-010000	PLUG, R01	8	8						
19	2	172448-73900	COVER, DUCT	1	1						
20	1	26013-100402	BOLT, SPRING M10X 40	3	3						

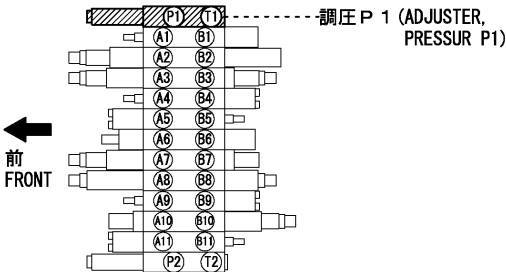
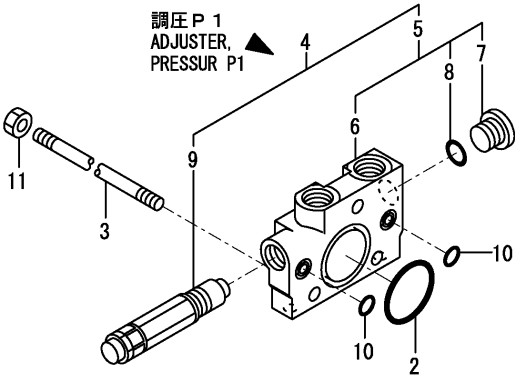
Remarks
(1)A:NACHI LABEL
Compatible by assembly exchange from parts of Fig.48 No.1-2.
The inner parts are not compatible.

Fig.49. CONTROL VALVE(1/7)



コントロールバルブASSY
CONTROL VALVE ASSY
172448-74100
項目No. 49の見出しNo. 1は
項目No. 49の見出しNo. 2～11と
項目No. 50の見出しNo. 1～31と
項目No. 51の見出しNo. 1～28と
項目No. 52の見出しNo. 1～30と
項目No. 53の見出しNo. 1～27と
項目No. 54の見出しNo. 1～24と
項目No. 55の見出しNo. 1～20を含みます

Fig. No. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2～11.
Fig. 50 Ref. No. 1～31.
Fig. 51 Fig. No. 1～28.
Fig. 52 Ref. No. 1～30.
Fig. 53 Fig. No. 1～27.
Fig. 54 Fig. No. 1～24.
Fig. 55 Fig. No. 1～20.

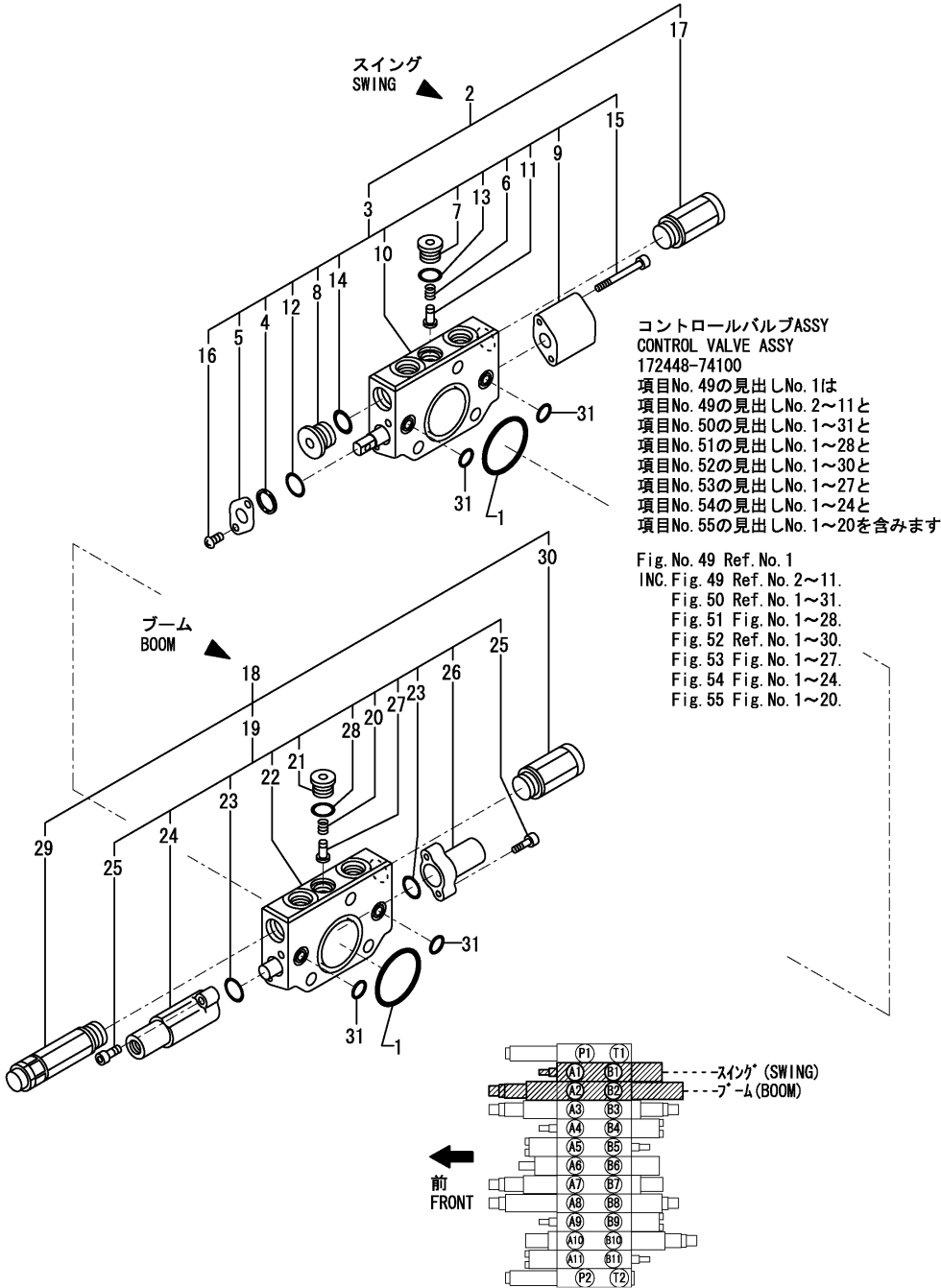


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-74100	VALVE ASSY,CONTROL	1	1						
1-1	1	172448-74101	VALVE ASSY, CONTROL	1	1						N
(A=M/#27862) (B=M/#27862)											
2	2	172448-74380	O-RING, AS1B 127	1	1						
3	2	172448-74390	BOLT L310	3	3						
4	2	172448-74400	ADJUSTER,PRESSURE P1	1	1						
5	3	172448-74110	SECTION ASSY	1	1						
6	4	172447-74250	SECTION	1	1						
7	4	172183-74350	PLUG PF1/4	1	1						
8	4	24315-000110	O-RING, 1BP11.0	1	1						
9	3	172448-74360	MAIN RELIFE VALVE	1	1						
10	2	24315-000100	O-RING, 1BP10.0	2	2						
11	2	26716-080002	NUT, M8	6	6						
12	1	26013-080162	BOLT, M8X 16	3	3						

Fig.50. CONTROL VALVE(2/7)

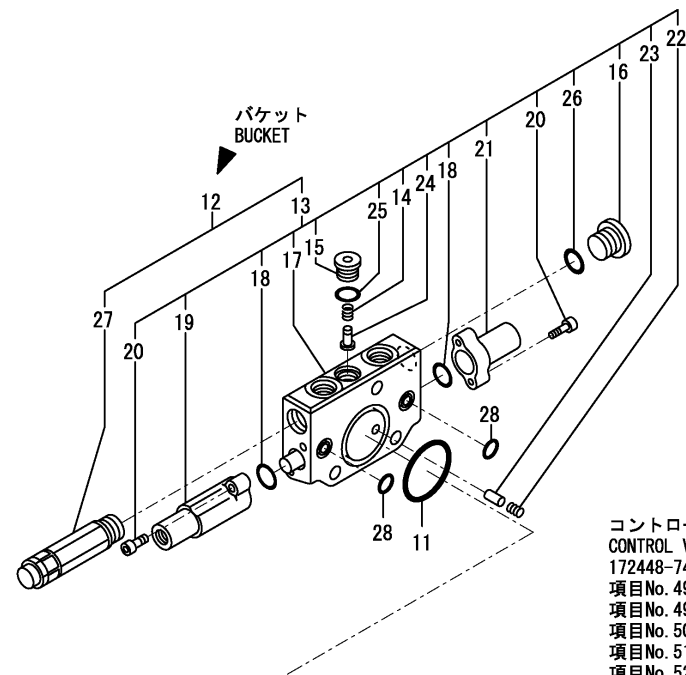
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172448-74380	O-RING, AS1B 127	2	2						
2	2	172448-74410	SECTION, SWING	1	1						
3	3	172448-74120	SECTION ASSY, SWING	1	1						
4	4	172157-70630	BAC UP RING	1	1						
5	4	172157-70640	PLATE, O-RING	1	1						
6	4	172157-70690	SPRING, VALVE	1	1						
7	4	172157-70700	STAY, VALVE	1	1						
8	4	172157-70720	PLUG PF3/8	1	1						
9	4	172157-70820	CAP, SPRING	1	1						
10	4	172448-74130	SPOOL ASSY, SWING	1	1						
11	4	172137-74520	VALVE, CHECK	1	1						
12	4	24311-240100	O-RING, 1AP10A	1	1						
13	4	24315-000110	O-RING, 1BP11.0	1	1						
14	4	24315-000140	O-RING, 1BP14.0	1	1						
15	4	26450-050452	BOLT, M5X 45	2	2						
16	4	26557-050102	SCREW, M5X10	2	2						
17	3	172447-74230	ANTI-CAVITATION	1	1						
18	2	172448-74420	SECTION, BOOM	1	1						
18-1	2	172448-74421	SECTION, BOOM	1	1						N
(A=M/#27862) (B=M/#27862)											
19	3	172448-74140	SECTION ASSY, BOOM	1	1						
20	4	172157-70690	SPRING, VALVE	1	1						
21	4	172157-70700	STAY, VALVE	1	1						
22	4	172448-74150	SPOOL ASSY, BOOM	1	1						
23	4	172449-74220	O-RING, AS 1A016	2	2						
24	4	172449-74270	CAP	1	1						
25	4	172449-74280	BOLT, M5 X 20	4	4						
26	4	172449-74290	CAP	1	1						
27	4	172137-74520	VALVE, CHECK	1	1						
28	4	24315-000110	O-RING, 1BP11.0	1	1						
29	3	172447-74221	PORT RELIFE VALVE	1	1						
30	3	172447-74230	ANTI-CAVITATION	1	1						
30-1	3	172456-74440	VALVE, RELIEF	1	1						N
(A=M/#27862) (B=M/#27862)											
31	2	24315-000100	O-RING, 1BP10.0	4	4						

Fig.51. CONTROL VALVE(3/7)



コントロールバルブASSY
CONTROL VALVE ASSY
172448-74100
項目No. 49の見出しNo. 1は
項目No. 49の見出しNo. 2~11と
項目No. 50の見出しNo. 1~31と
項目No. 51の見出しNo. 1~28と
項目No. 52の見出しNo. 1~30と
項目No. 53の見出しNo. 1~27と
項目No. 54の見出しNo. 1~24と
項目No. 55の見出しNo. 1~20を含みます

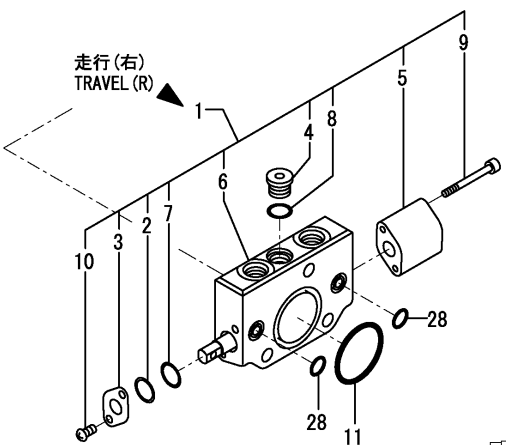
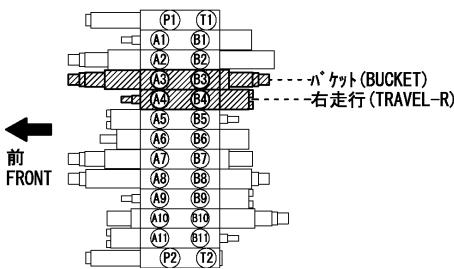


Fig. No. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~11.
Fig. 50 Ref. No. 1~31.
Fig. 51 Fig. No. 1~28.
Fig. 52 Ref. No. 1~30.
Fig. 53 Fig. No. 1~27.
Fig. 54 Fig. No. 1~24.
Fig. 55 Fig. No. 1~20.



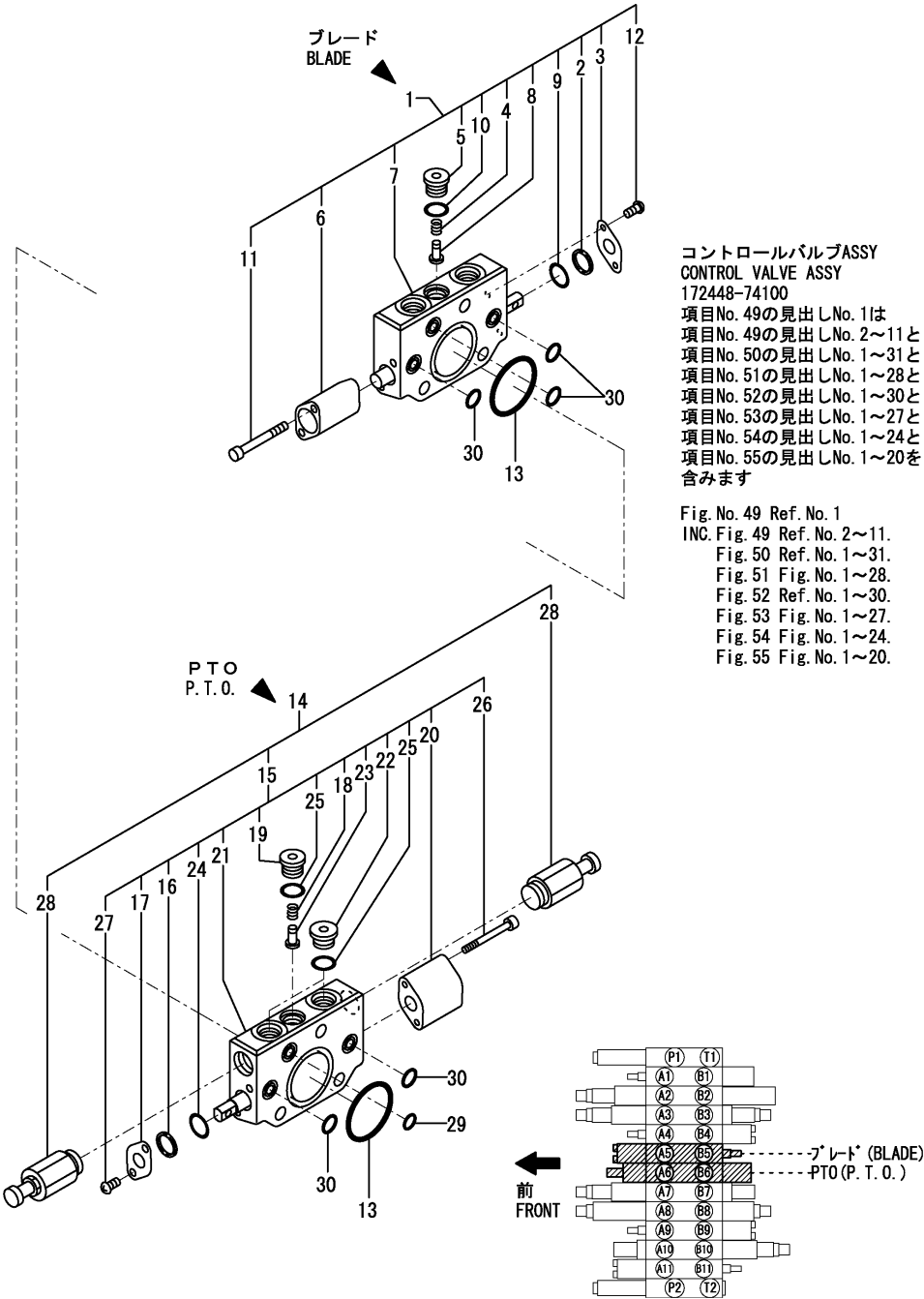
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172448-74180	SECTION ASSY, TRAVEL	1	1						
2	3	172157-70630	BAC UP RING	1	1						
3	3	172157-70640	PLATE, O-RING	1	1						
4	3	172157-70700	STAY, VALVE	1	1						
5	3	172157-70820	CAP, SPRING	1	1						
6	3	172448-74190	SPOOL ASSY, TRAVEL	1	1						
7	3	24311-240100	O-RING, 1AP10A	1	1						
8	3	24315-000110	O-RING, 1BP11.0	1	1						
9	3	26450-050452	BOLT, M5X 45	2	2						
10	3	26557-050102	SCREW, M5X10	2	2						
11	2	172448-74380	O-RING, AS1B 127	2	2						
12	2	172448-74430	SECTION, BUCKET	1	1						
13	3	172448-74160	SECTION ASSY, BUCKET	1	1						
14	4	172157-70690	SPRING, VALVE	1	1						
15	4	172157-70700	STAY, VALVE	1	1						
16	4	172157-70720	PLUG PF3/8	1	1						
17	4	172448-74170	SPOOL ASSY, BUCKET	1	1						
18	4	172449-74220	O-RING, AS 1A016	2	2						
19	4	172449-74270	CAP	1	1						
20	4	172449-74280	BOLT, M5 X 20	4	4						
21	4	172449-74290	CAP	1	1						
22	4	172447-74300	SPRING, VALVE	1	1						
23	4	172447-74310	VALVE, CHECK	1	1						
24	4	172137-74520	VALVE, CHECK	1	1						
25	4	24315-000110	O-RING, 1BP11.0	1	1						
26	4	24315-000140	O-RING, 1BP14.0	1	1						
27	3	172448-74370	OVER LOAD RELIEF V	1	1						
28	2	24315-000100	O-RING, 1BP10.0	4	4						

Fig.52. CONTROL VALVE(4/7)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172448-74200	SECTION ASSY, BLADE	1	1						
2	3	172157-70630	BAC UP RING	1	1						
3	3	172157-70640	PLATE, O-RING	1	1						
4	3	172157-70690	SPRING, VALVE	1	1						
5	3	172157-70700	STAY, VALVE	1	1						
6	3	172157-70820	CAP, SPRING	1	1						
7	3	172448-74210	SPOOL ASSY, BLADE	1	1						
8	3	172137-74520	VALVE, CHECK	1	1						
9	3	24311-240100	O-RING, 1AP10A	1	1						
10	3	24315-000110	O-RING, 1BP11.0	1	1						
11	3	26450-050452	BOLT, M5X 45	2	2						
12	3	26557-050102	SCREW, M5X10	2	2						
13	2	172448-74380	O-RING, AS1B 127	2	2						
14	2	172448-74440	SECTION, PTO	1	1						
15	3	172448-74220	SECTION ASSY, PTO	1	1						
16	4	172157-70630	BAC UP RING	1	1						
17	4	172157-70640	PLATE, O-RING	1	1						
18	4	172157-70690	SPRING, VALVE	1	1						
19	4	172157-70700	STAY, VALVE	1	1						
20	4	172157-70820	CAP, SPRING	1	1						
21	4	172448-74230	SPOOL ASSY, PTO	1	1						
22	4	172183-74350	PLUG PF1/4	2	2						
23	4	172137-74520	VALVE, CHECK	1	1						
24	4	24311-240100	O-RING, 1AP10A	1	1						
25	4	24315-000110	O-RING, 1BP11.0	3	3						
26	4	26450-050452	BOLT, M5X 45	2	2						
27	4	26557-050102	SCREW, M5X10	2	2						
28	3	172458-74740	SHUT OFF VALVE	2	2						
29	2	24315-000040	O-RING, 1BP4.0	1	1						
30	2	24315-000100	O-RING, 1BP10.0	5	5						

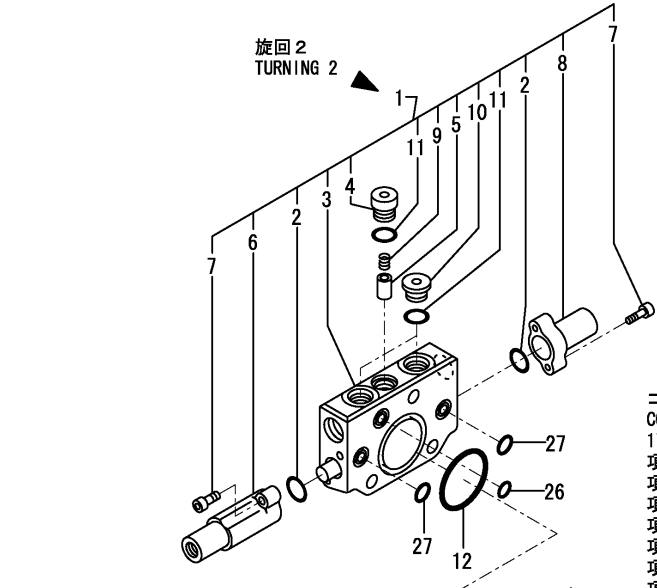


コントロールバルブASSY
CONTROL VALVE ASSY
172448-74100
項目No. 49の見出しNo. 1は
項目No. 49の見出しNo. 2~11と
項目No. 50の見出しNo. 1~31と
項目No. 51の見出しNo. 1~28と
項目No. 52の見出しNo. 1~30と
項目No. 53の見出しNo. 1~27と
項目No. 54の見出しNo. 1~24と
項目No. 55の見出しNo. 1~20を
含みます
Fig. No. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~11.
Fig. 50 Ref. No. 1~31.
Fig. 51 Fig. No. 1~28.
Fig. 52 Ref. No. 1~30.
Fig. 53 Fig. No. 1~27.
Fig. 54 Fig. No. 1~24.
Fig. 55 Fig. No. 1~20.

Fig.53. CONTROL VALVE(5/7)

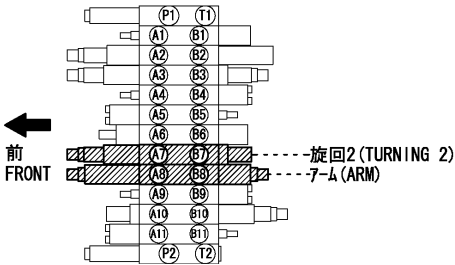
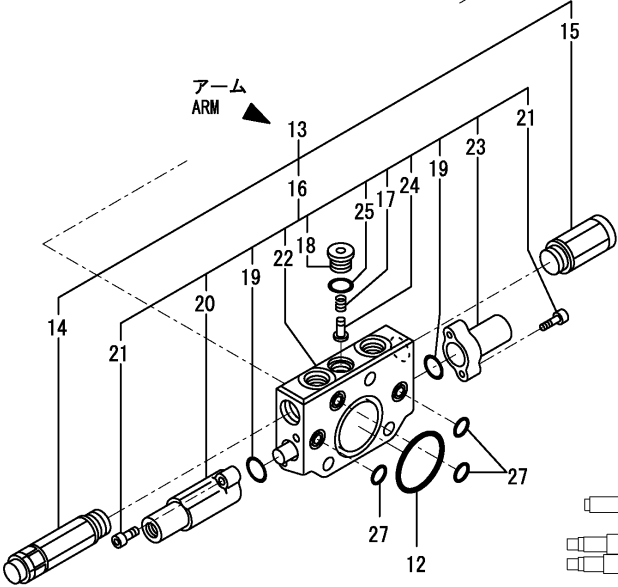
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



コントロールバルブASSY
CONTROL VALVE ASSY
172448-74100
項目No. 49の見出しNo. 1は
項目No. 49の見出しNo. 2~11と
項目No. 50の見出しNo. 1~31と
項目No. 51の見出しNo. 1~28と
項目No. 52の見出しNo. 1~30と
項目No. 53の見出しNo. 1~27と
項目No. 54の見出しNo. 1~24と
項目No. 55の見出しNo. 1~20を含みます

Fig. No. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~11.
Fig. 50 Ref. No. 1~31.
Fig. 51 Fig. No. 1~28.
Fig. 52 Ref. No. 1~30.
Fig. 53 Fig. No. 1~27.
Fig. 54 Fig. No. 1~24.
Fig. 55 Fig. No. 1~20.

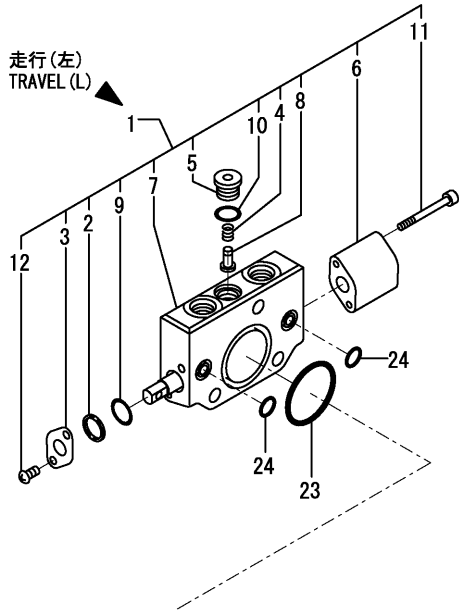


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172448-74240	SECTION ASSY	1	1						
2	3	172449-74220	O-RING, AS 1A016	2	2						
3	3	172448-74250	SPOOL ASSY, SWING	1	1						
4	3	172448-74260	CAP, VALVE	1	1						
5	3	172448-74270	CHECK VALVE C	1	1						
6	3	172449-74270	CAP	1	1						
7	3	172449-74280	BOLT, M5 X 20	4	4						
8	3	172449-74290	CAP	1	1						
9	3	172447-74300	SPRING, VALVE	1	1						
10	3	172183-74350	PLUG PF1/4	2	2						
11	3	24315-000110	O-RING, 1BP11.0	3	3						
12	2	172448-74380	O-RING, AS1B 127	2	2						
13	2	172448-74450	SECTION, ARM	1	1						
14	3	172447-74221	PORT RELIFE VALVE	1	1						
15	3	172447-74230	ANTI-CAVITATION	1	1						
16	3	172448-74280	SECTION ASSY, ARM	1	1						
17	4	172157-70690	SPRING, VALVE	1	1						
18	4	172157-70700	STAY, VALVE	1	1						
19	4	172449-74220	O-RING, AS 1A016	2	2						
20	4	172449-74270	CAP	1	1						
21	4	172449-74280	BOLT, M5 X 20	4	4						
22	4	172448-74290	SPOOL ASSY, ARM	1	1						
23	4	172449-74290	CAP	1	1						
24	4	172137-74520	VALVE, CHECK	1	1						
25	4	24315-000110	O-RING, 1BP11.0	1	1						
26	2	24315-000040	O-RING, 1BP4.0	1	1						
27	2	24315-000100	O-RING, 1BP10.0	5	5						

Fig.54. CONTROL VALVE(6/7)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



コントロールバルブASSY
CONTROL VALVE ASSY
172448-74100
項目No. 49の見出しNo. 1は
項目No. 49の見出しNo. 2~11と
項目No. 50の見出しNo. 1~31と
項目No. 51の見出しNo. 1~28と
項目No. 52の見出しNo. 1~30と
項目No. 53の見出しNo. 1~27と
項目No. 54の見出しNo. 1~24と
項目No. 55の見出しNo. 1~20を含みます

Fig. No. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~11.
Fig. 50 Ref. No. 1~31.
Fig. 51 Fig. No. 1~28.
Fig. 52 Ref. No. 1~30.
Fig. 53 Fig. No. 1~27.
Fig. 54 Fig. No. 1~24.
Fig. 55 Fig. No. 1~20.

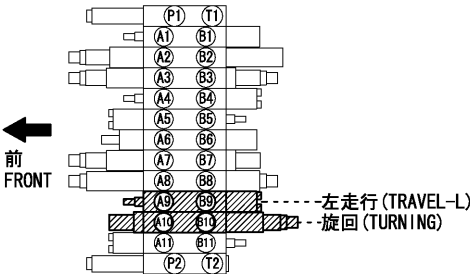
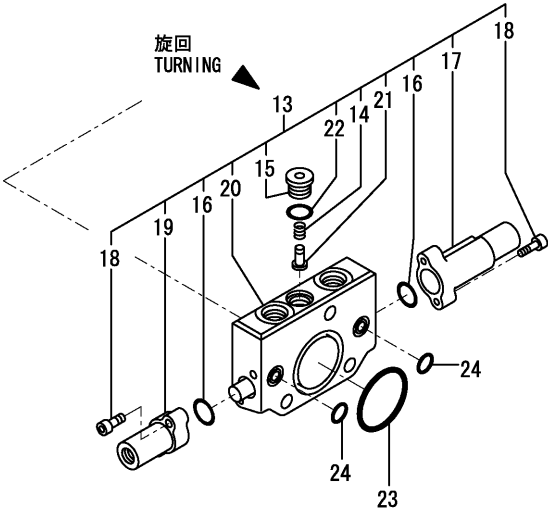
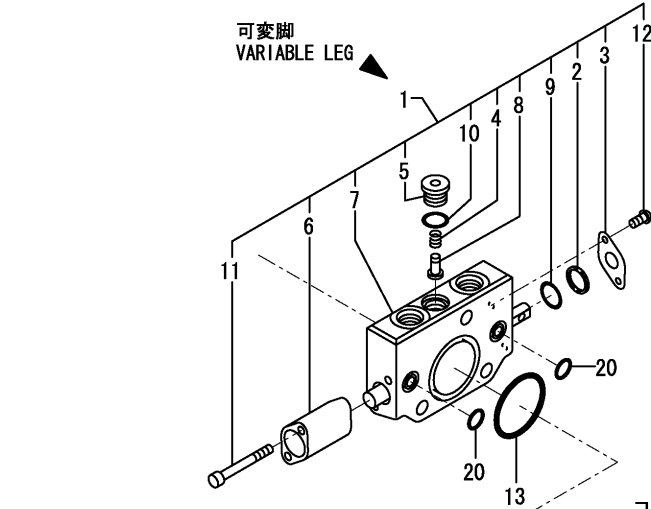


Fig.55. CONTROL VALVE(7/7)



コントロールバルブASSY
CONTROL VALVE ASSY
172448-74100
項目No. 49の見出しNo. 1は
項目No. 49の見出しNo. 2~11と
項目No. 50の見出しNo. 1~31と
項目No. 51の見出しNo. 1~28と
項目No. 52の見出しNo. 1~30と
項目No. 53の見出しNo. 1~27と
項目No. 54の見出しNo. 1~24と
項目No. 55の見出しNo. 1~20を含みます

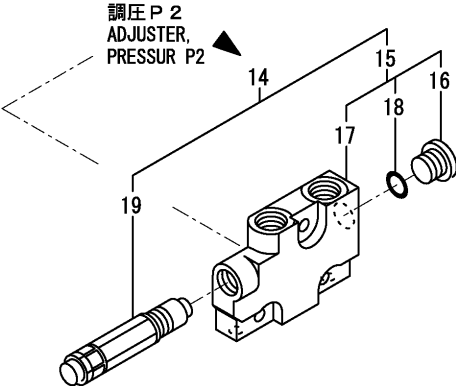
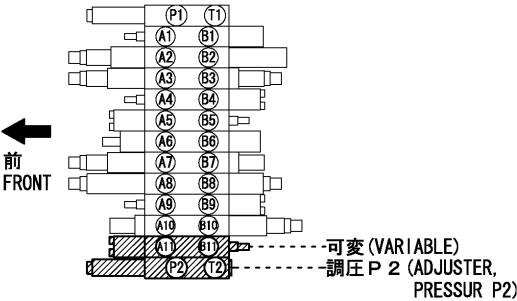


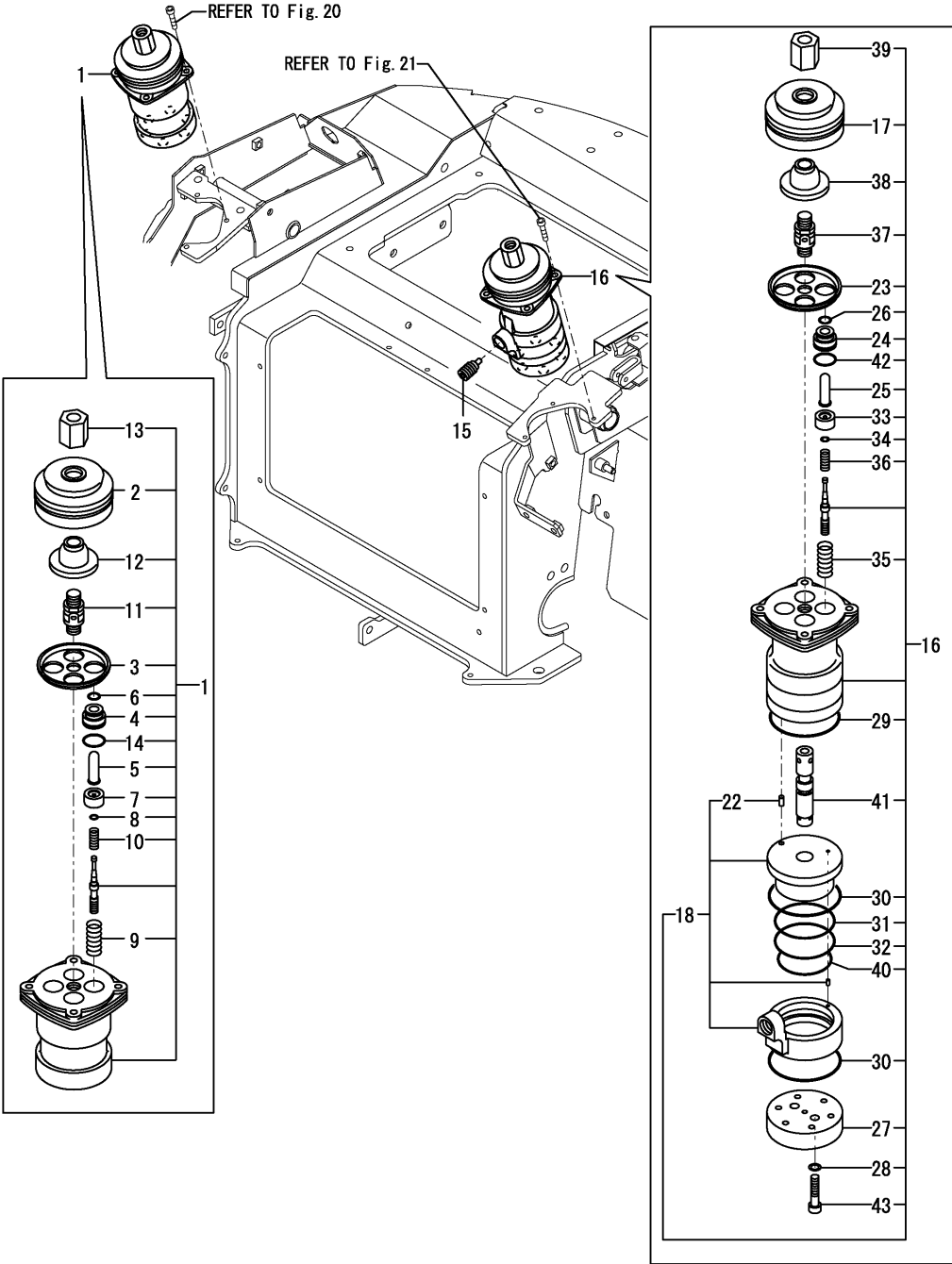
Fig. No. 49 Ref. No. 1
INC. Fig. 49 Ref. No. 2~11.
Fig. 50 Ref. No. 1~31.
Fig. 51 Fig. No. 1~28.
Fig. 52 Ref. No. 1~30.
Fig. 53 Fig. No. 1~27.
Fig. 54 Fig. No. 1~24.
Fig. 55 Fig. No. 1~20.



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

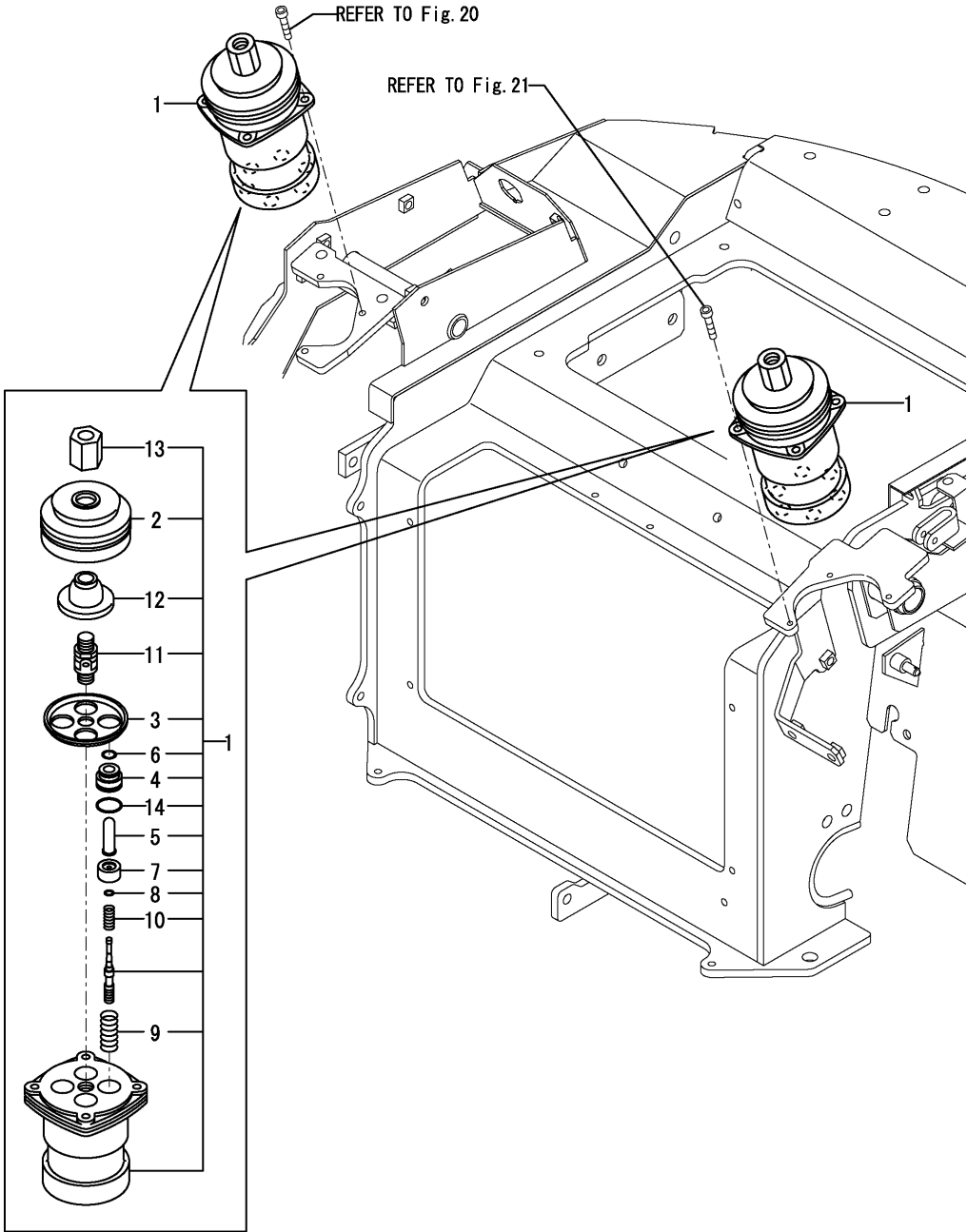
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172448-74340	SECTION ASSY, OPTION	1	1						
2	3	172157-70630	BAC UP RING	1	1						
3	3	172157-70640	PLATE, O-RING	1	1						
4	3	172157-70690	SPRING, VALVE	1	1						
5	3	172157-70700	STAY, VALVE	1	1						
6	3	172157-70820	CAP, SPRING	1	1						
7	3	172448-74350	SPOOL ASSY, OPTION	1	1						
8	3	172137-74520	VALVE, CHECK	1	1						
9	3	24311-240100	O-RING, 1AP10A	1	1						
10	3	24315-000110	O-RING, 1BP11.0	1	1						
11	3	26450-050452	BOLT, M5X 45	2	2						
12	3	26557-050102	SCREW, M5X10	2	2						
13	2	172448-74380	O-RING, AS1B 127	1	1						
14	2	172448-74460	ADJUSTER,PRESSURE P2	1	1						
15	3	172447-74200	SECTION ASSY	1	1						
16	4	172183-74350	PLUG PF1/4	1	1						
17	4	172447-74380	SECTION	1	1						
18	4	24315-000110	O-RING, 1BP11.0	1	1						
19	3	172448-74360	MAIN RELIFE VALVE	1	1						
20	2	24315-000100	O-RING, 1BP10.0	2	2						



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-74701	VALVE ASSY, REM-CON.	1	1						
2	2	172455-74710	BELLOWS	1	1						
3	2	172448-74760	PLATE	1	1						
4	2	172448-74770	PLUG	4	4						
5	2	172448-74780	ROD Q,PUSH	4	4						
6	2	172448-74790	SEAL	4	4						
7	2	172448-74910	SEAT, SPRING	4	4						
8	2	172448-74920	WASHER	4	4						
9	2	172448-74930	SPRING	4	4						
10	2	172448-74940	SPRING	4	4						
11	2	172448-74950	JOINT	1	1						
12	2	172448-74960	PLATE, CIRCLE	1	1						
13	2	172448-74970	NUT, ADJUST	1	1						
14	2	24315-000200	O-RING, 1BP20.0	4	4						
15	1	172448-74730	PLUG	1	1						
16	1	172448-74800	VALVE ASSY,REMO.CON.	1	1						
17	2	172455-74710	BELLOWS	1	1						
18	2	172448-74720	SLEEVE, SPOOL	1	1						
22	3	22351-050010	PIN, SPRING 5.0X10	1	1						
23	2	172448-74760	PLATE	1	1						
24	2	172448-74770	PLUG	4	4						
25	2	172448-74780	ROD Q,PUSH	4	4						
26	2	172448-74790	SEAL	4	4						
27	2	172448-74810	PLATE, PORT	1	1						
28	2	172448-74820	PACKING	2	2						
29	2	172448-74830	O-RING	1	1						
30	2	172448-74860	O-RING	2	2						
31	2	172448-74870	O-RING	1	1						
32	2	172448-74880	O-RING	1	1						
33	2	172448-74910	SEAT, SPRING	4	4						
34	2	172448-74920	WASHER	4	4						
35	2	172448-74930	SPRING	4	4						
36	2	172448-74940	SPRING	4	4						
37	2	172448-74950	JOINT	1	1						
38	2	172448-74960	PLATE, CIRCLE	1	1						
39	2	172448-74970	NUT, ADJUST	1	1						
40	2	172448-74980	O-RING	1	1						
41	2	172448-74990	DISTANZBUCHSE	1	1						
42	2	24315-000200	O-RING, 1BP20.0	4	4						
43	2	26450-080652	BOLT, M8X 65	2	2						

Fig.57. REMOTE CONTROL VALVE(MULTI SPEC.)



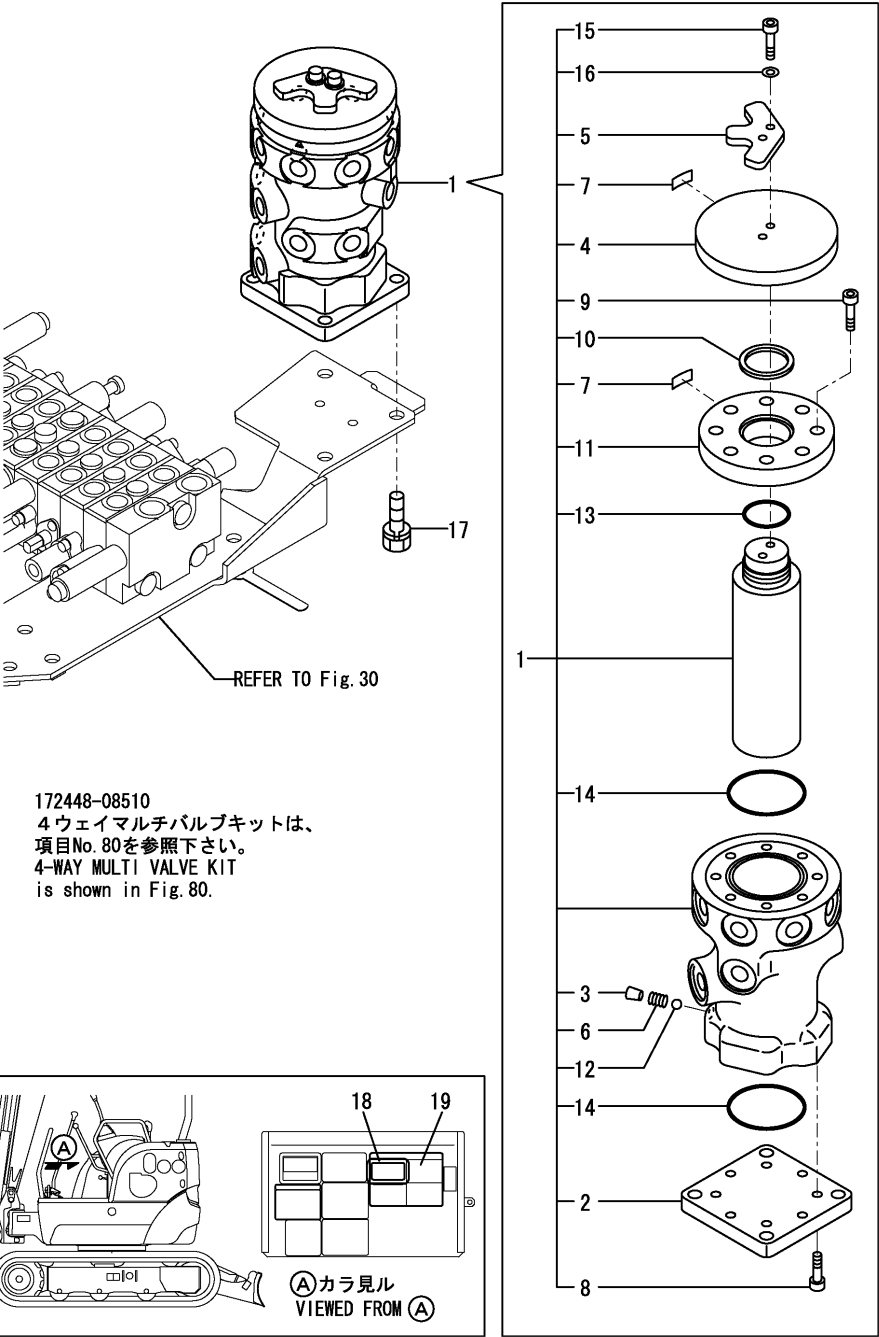
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-74701	VALVE ASSY, REM-CON.	2							
2	2	172455-74710	BELLOWS	2							
3	2	172448-74760	PLATE	2							
4	2	172448-74770	PLUG	8							
5	2	172448-74780	ROD Q,PUSH	8							
6	2	172448-74790	SEAL	8							
7	2	172448-74910	SEAT, SPRING	8							
8	2	172448-74920	WASHER	8							
9	2	172448-74930	SPRING	8							
10	2	172448-74940	SPRING	8							
11	2	172448-74950	JOINT	2							
12	2	172448-74960	PLATE, CIRCLE	2							
13	2	172448-74970	NUT, ADJUST	2							
14	2	24315-000200	O-RING, 1BP20.0	8							

Fig.58. ROTARY VALVE(4-WAY SPEC.)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172449-74800	VALVE,MULT CHANGE	1							
2	2	182900-16530	COVER	1							
3	2	182901-39280	PLUG	1							
4	2	182901-39290	PLATE	1							
5	2	182901-39300	PLATE	1							
6	2	182901-40720	SPRING	1							
7	2	172449-74810	LABEL,PATTERN	1							
8	2	182900-77190	BOLT	8							
9	2	182900-77200	BOLT	8							
10	2	182900-77210	DUST SEAL	1							
11	2	182900-77220	COVER	1							
12	2	24190-100001	BALL, STEEL 5/16	1							
13	2	24311-000280	O-RING, 1AP28.0	1							
14	2	24321-000600	O-RING, 1AG60.0	2							
15	2	953KM0-00165	BOLT	2							
16	2	953KM0-00220	WASHER	2							
17	1	26013-100202	BOLT, M10X 20	3							
18	1	172444-03290	MAGNET	1							
19	1	172151-03551	LABEL	1							

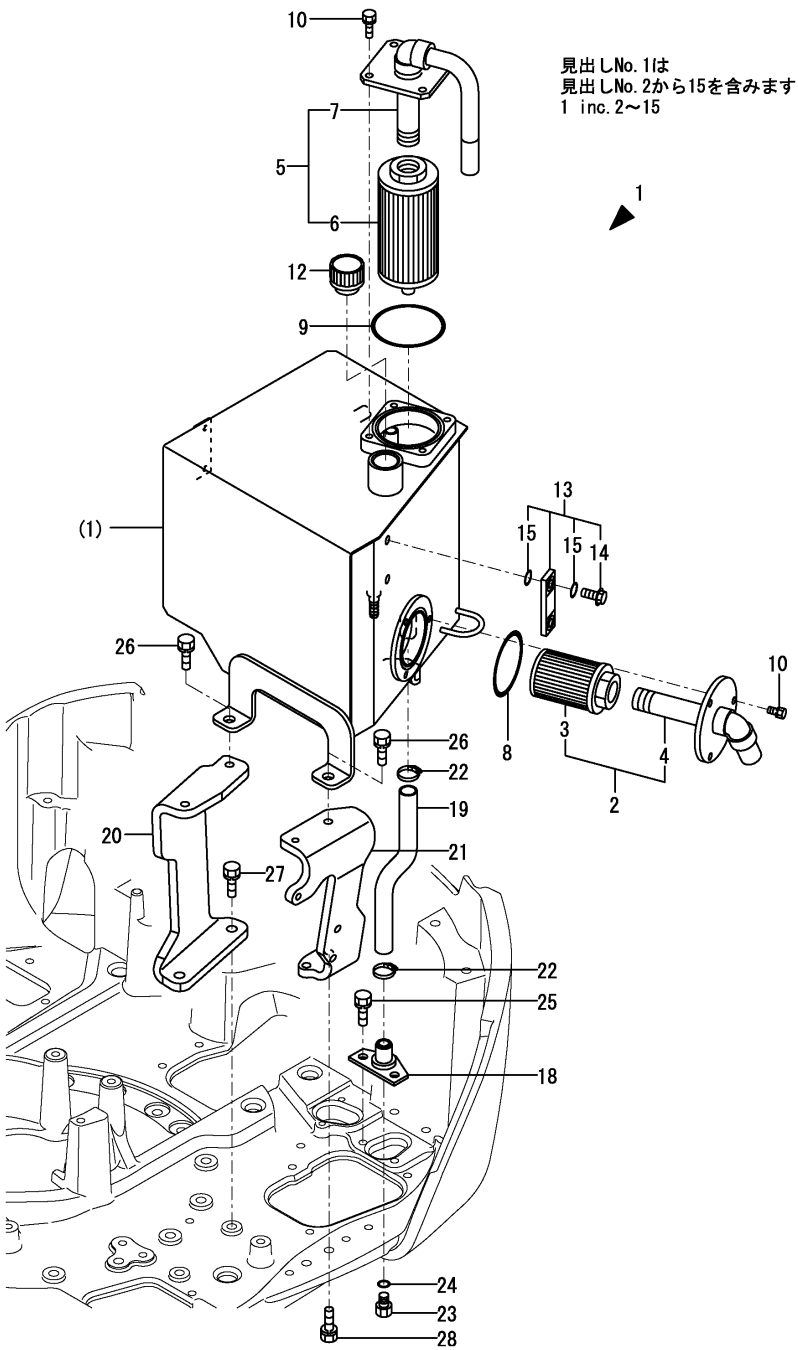


172448-08510
4ウェイマルチバルブキットは、
項目No. 80を参照下さい。
4-WAY MULTI VALVE KIT
is shown in Fig. 80.

Fig.59. HYD.OIL TANK

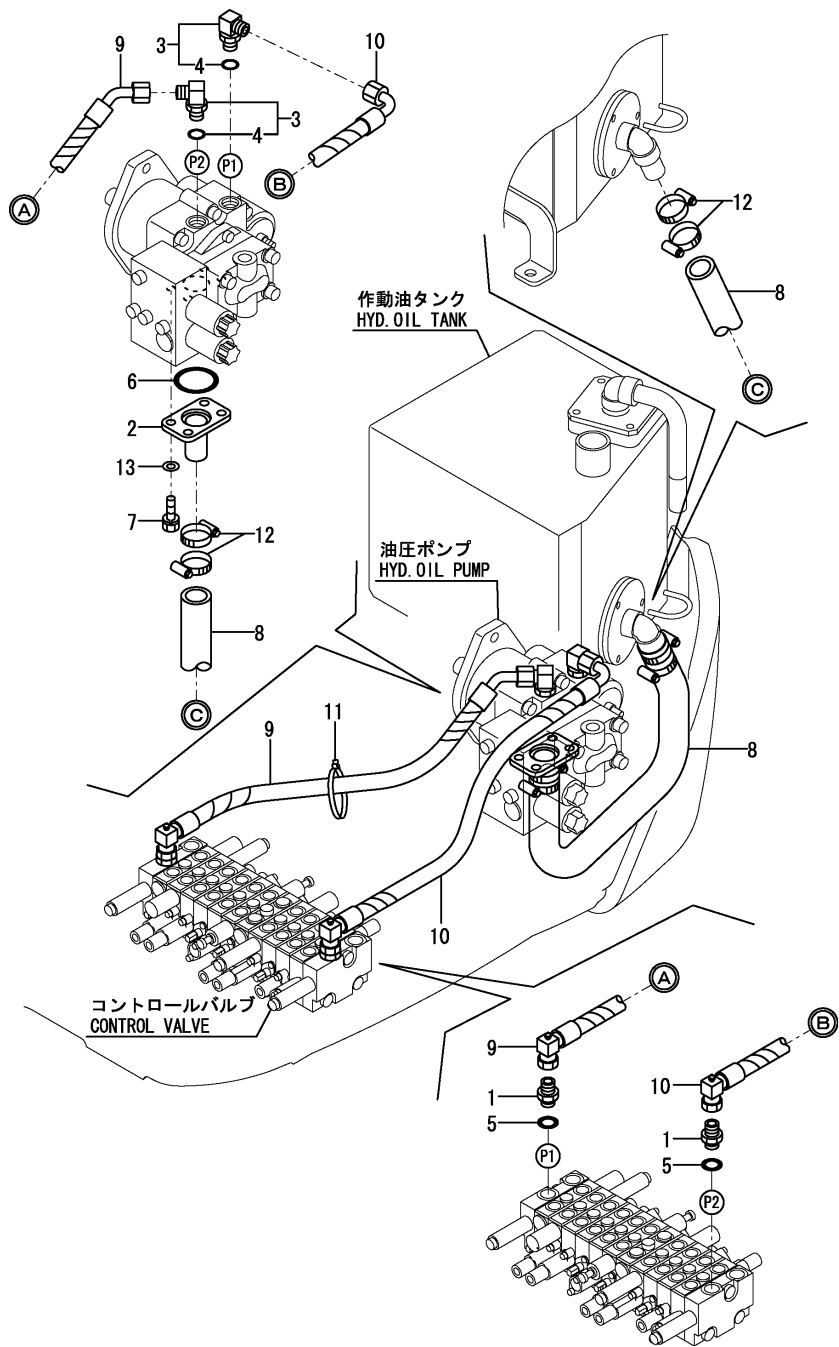
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A55-08350	TANK KIT, RESERVOIR	1	1						
2	2	172448-73700	FILTER ASSY,SUCTION	1	1						
3	3	172448-73710	FILTER, SUCTION	1	1						
4	3	172448-73720	FLANGE,SUCTION	1	1						
5	2	172448-73770	FILTER ASSY,RETURN	1	1						
6	3	172448-73780	FILTER, RETURN	1	1						
7	3	172448-73790	FLANGE,RETURN	1	1						
8	2	24321-000750	O-RING, 1AG75.0	1	1						
9	2	24321-000850	O-RING, 1AG85.0	1	1						
10	2	26013-080162	BOLT, M8X 16	7	7						
12	2	172446-75250	CAP, RESERVER	1	1						
13	2	172447-75600	GAUGE ASSY	1	1						
14	3	172455-75290	BOLT M10	2	2						
15	3	172455-75300	O-RING	4	4						
18	1	172447-75290	BRACKET CMP	1	1						
19	1	172448-75300	HOSE G612YY032	1	1						
20	1	172448-75380	STAY ASSY, RESERVER	1	1						
21	1	172448-75411	STAY, RESERVOIR	1	1						
22	1	23001-025000	CLAMP, HOSE 25	2	2						
23	1	23491-140002	PLUG, 14	1	1						
24	1	24311-000160	O-RING, 1AP16.0	1	1						
25	1	26013-100202	BOLT, M10X 20	2	2						
26	1	26013-120252	BOLT, M12X 25	3	3						
27	1	26013-120302	BOLT, M12X 30	2	2						
28	1	26013-120452	BOLT, M12X 45	2	2						

Fig.60. HYD.OIL PIPING(TANK - PUMP - CONTROL VALVE)

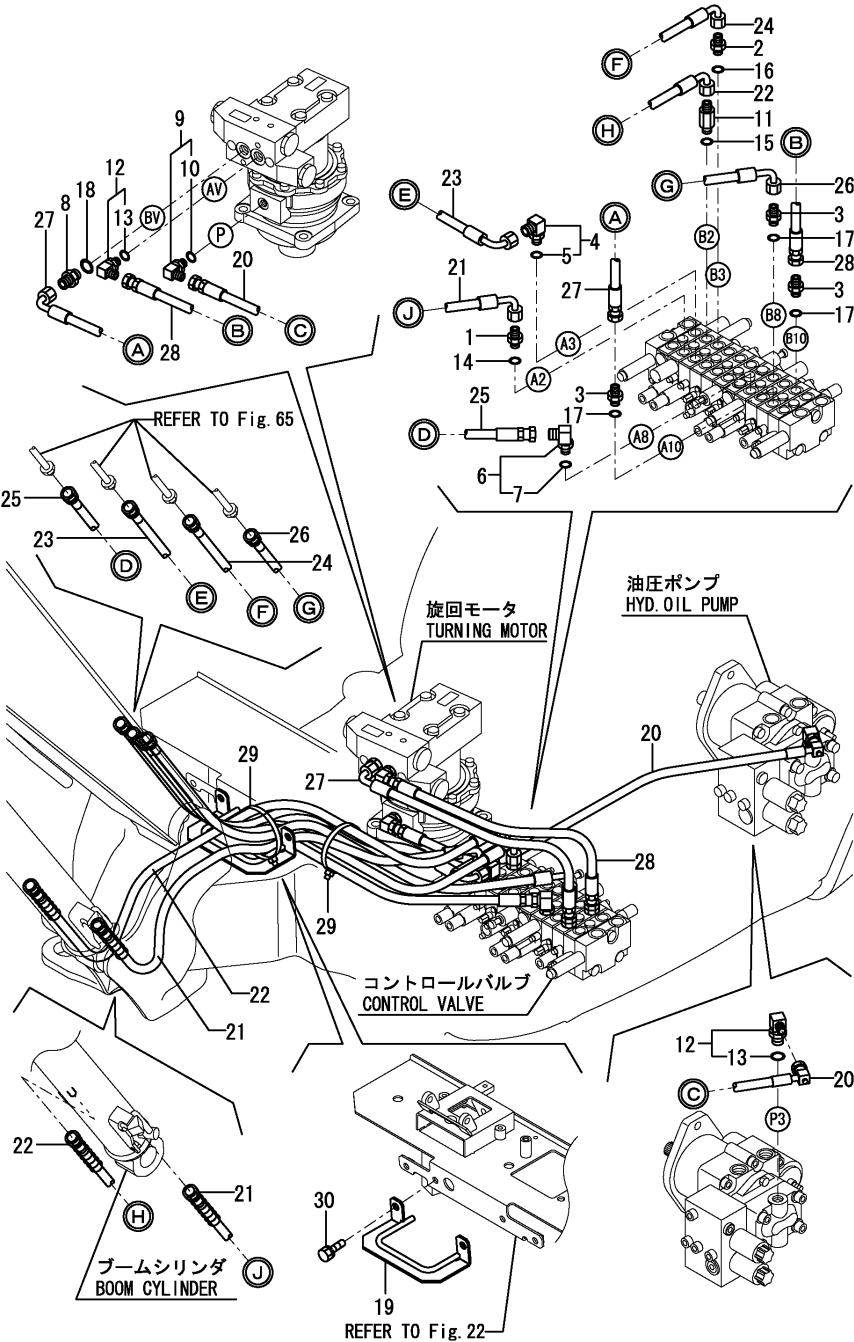


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	2	2						
2	1	172124-76100	FLANGE,PUMP INLET	1	1						
3	1	172157-76300	ELBOW ASSY	2	2						
4	2	24315-000180	O-RING, 1BP18.0	2	2						
5	1	24315-000140	O-RING, 1BP14.0	2	2						
6	1	24321-000350	O-RING, 1AG35.0	1	1						
6-1	1	24311-000350	O-RING, 1AP35.0	1	1						N
(A=M/#XXXXX) (B=M/#XXXXX)											
7	1	26013-100252	BOLT, M10X 25	4	4						
8	1	172448-78110	HOSE NA,SUCTION	1	1						
9	1	172448-78130	HOSE H206EZ058S	1	1						
10	1	172448-78140	HOSE H206CZ056S	1	1						
11	1	172122-79930	CLAMP, HOSE	1	1						
12	1	23001-041000	CLAMP, HOSE 41	4	4						
13	1	22117-100000	WASHER, 10	4	4						

Fig.61. HYD.OIL PIPING(PUMP, CONTROL VALVE - TURNING MOTOR, BOOM)

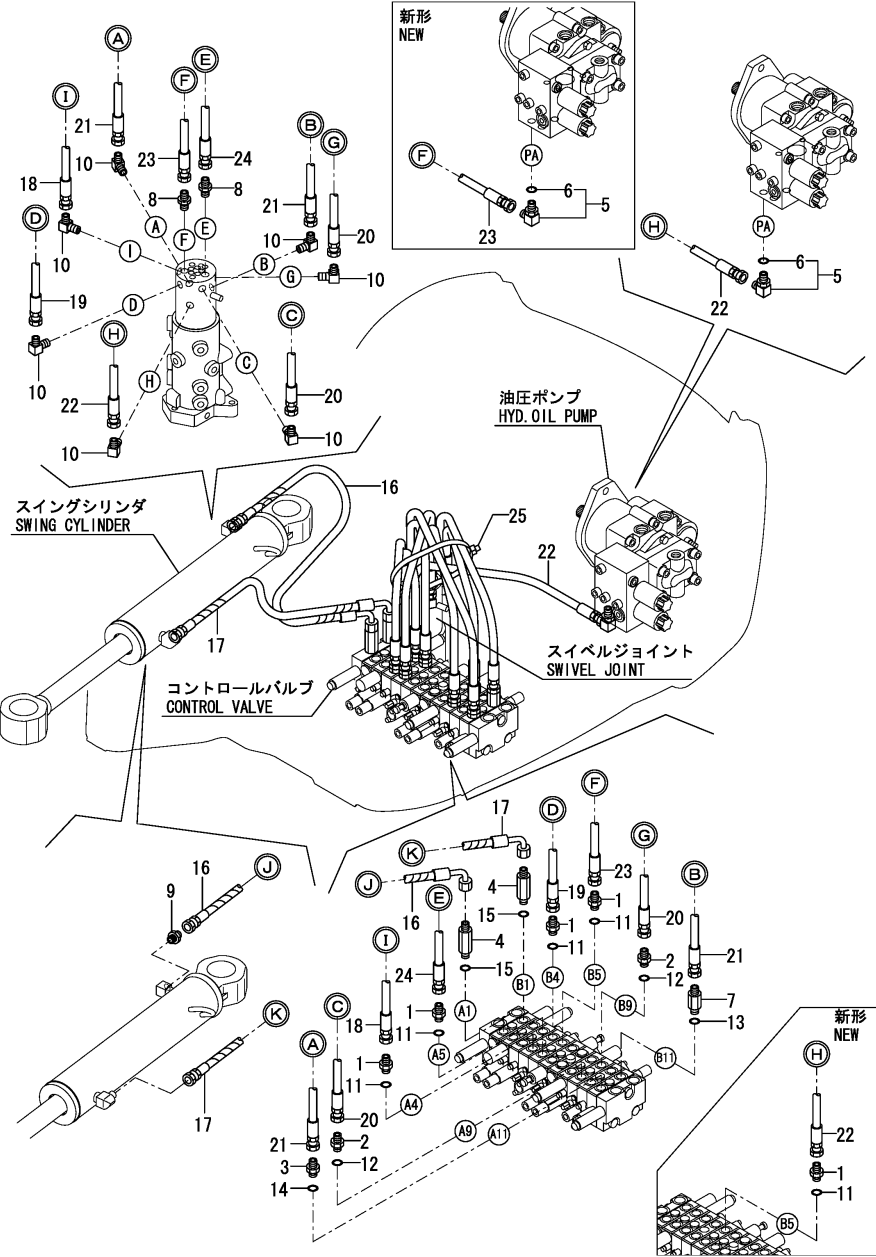
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	1	1						
2	1	172123-76121	ADAPTER	1	1						
3	1	172123-76121	ADAPTER	3	3						
4	1	172173-76121	CONNECTOR ASSY	1	1						
5	2	24315-000110	O-RING, 1BP11.0	1	1						
6	1	172173-76121	CONNECTOR ASSY	1	1						
7	2	24315-000110	O-RING, 1BP11.0	1	1						
8	1	172157-76150	CONNECTOR	1	1						
9	1	172141-76180	CONNECTOR ASSY	1	1						
10	2	24315-000110	O-RING, 1BP11.0	1	1						
11	1	172183-76200	CONNECTOR	1	1						
12	1	172141-76920	CONNECTOR ASSY	2	2						
13	2	24315-000140	O-RING, 1BP14.0	2	2						
14	1	24315-000110	O-RING, 1BP11.0	1	1						
15	1	24315-000110	O-RING, 1BP11.0	1	1						
16	1	24315-000110	O-RING, 1BP11.0	1	1						
17	1	24315-000110	O-RING, 1BP11.0	3	3						
18	1	24315-000140	O-RING, 1BP14.0	1	1						
19	1	172448-77910	CLAMP, HOSE	1	1						
19-1	1	172448-77910-2	CLAMP, HOSE	1	1						S
(A)=M/#28498 (B)=M/#28498											
20	1	172448-78150	HOSE F203BZ073S	1	1						
21	1	172448-78180	HOSE H204BC096W	1	1						
22	1	172448-78190	HOSE H204BC104W	1	1						
23	1	172448-78200	HOSE H206BC088K	1	1						
24	1	172448-78210	HOSE H204BC100K	1	1						
25	1	172448-78260	HOSE H206BB105K	1	1						
26	1	172448-78270	HOSE H204BC107K	1	1						
27	1	172448-78291	HOSE F203BC052	1	1						
28	1	172448-78980	HOSE F203BB049	1	1						
29	1	172122-79930	CLAMP, HOSE	2	2						
30	1	26013-100202	BOLT, M10X 20	2	2						

Fig.62. HYD.OIL PIPING(CONTROL VALVE -SWIVEL JOINT,SWING CYLINDER)



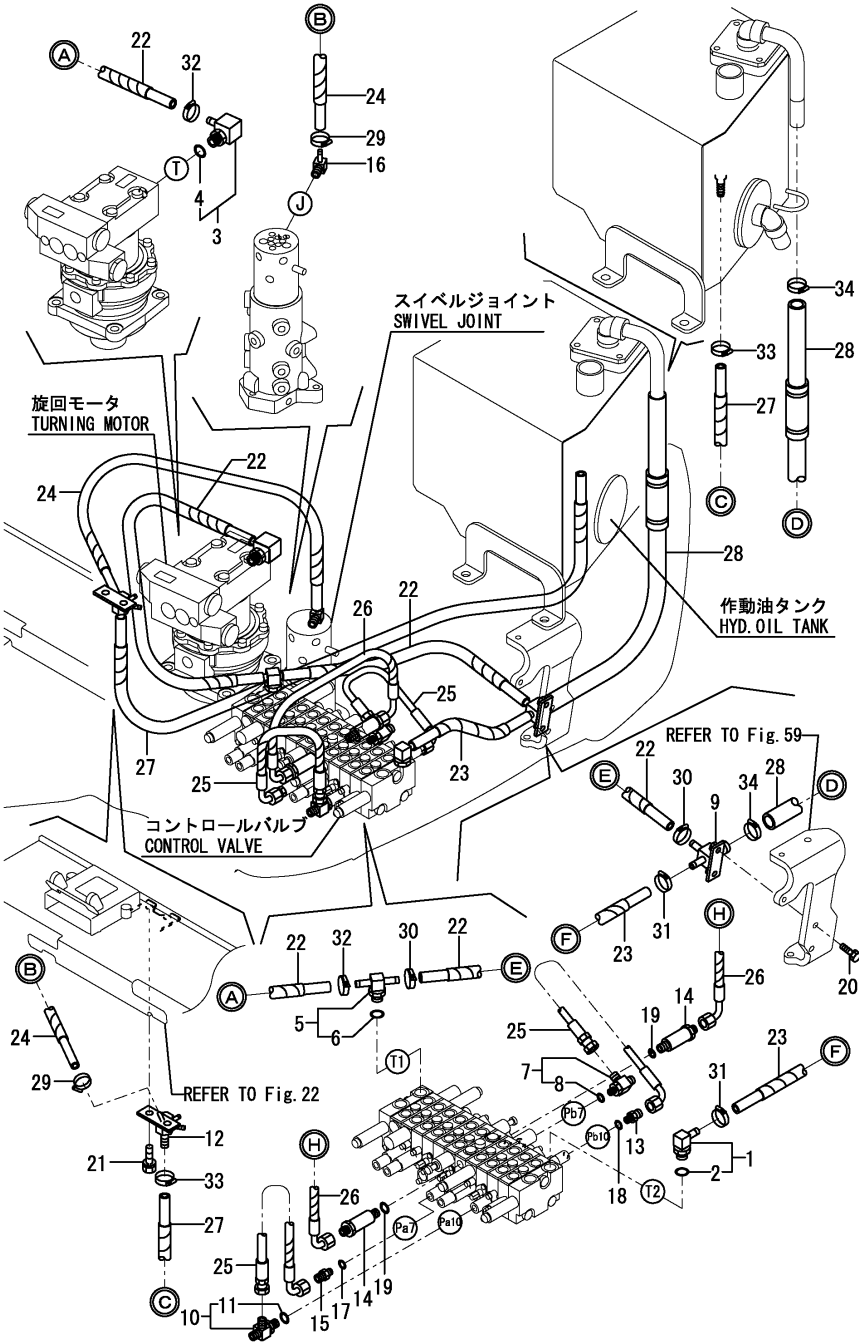
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	4	4						
2	1	172123-76121	ADAPTER	2	2						
3	1	172123-76121	ADAPTER	1	1						
4	1	172448-76130	CONNECTOR, PF1/4	2	2						
5	1	172141-76180	CONNECTOR ASSY	1	1						
6	2	24315-000110	O-RING, 1BP11.0	1	1						
7	1	172183-76200	CONNECTOR	1	1						
8	1	23391-020000	JOINT, RGI-1/4	2	2						
9	1	23391-020000	JOINT, RGI-1/4	1	1						
10	1	23393-020000	JOINT, 90RGI-1/4	7	7						1
11	1	24315-000110	O-RING, 1BP11.0	4	4						
12	1	24315-000110	O-RING, 1BP11.0	2	2						
13	1	24315-000110	O-RING, 1BP11.0	1	1						
14	1	24315-000110	O-RING, 1BP11.0	1	1						
15	1	24315-000110	O-RING, 1BP11.0	2	2						
16	1	172448-78160	HOSE F203BC083S	1	1						
17	1	172448-78170	HOSE F203BC052S	1	1						
18	1	172448-78220	HOSE F204BB052	1	1						
19	1	172448-78230	HOSE F204BB045	1	1						
20	1	172448-78280	HOSE F204BB054	2	2						
21	1	172448-78300	HOSE F203BB066	2	2						
22	1	172455-78610	HOSE F403BB054	1	1						
23	1	172448-78670	HOSE F204BB048	1	1						
24	1	172448-78830	HOSE F204BB050	1	1						
25	1	172122-79930	CLAMP, HOSE	1	1						

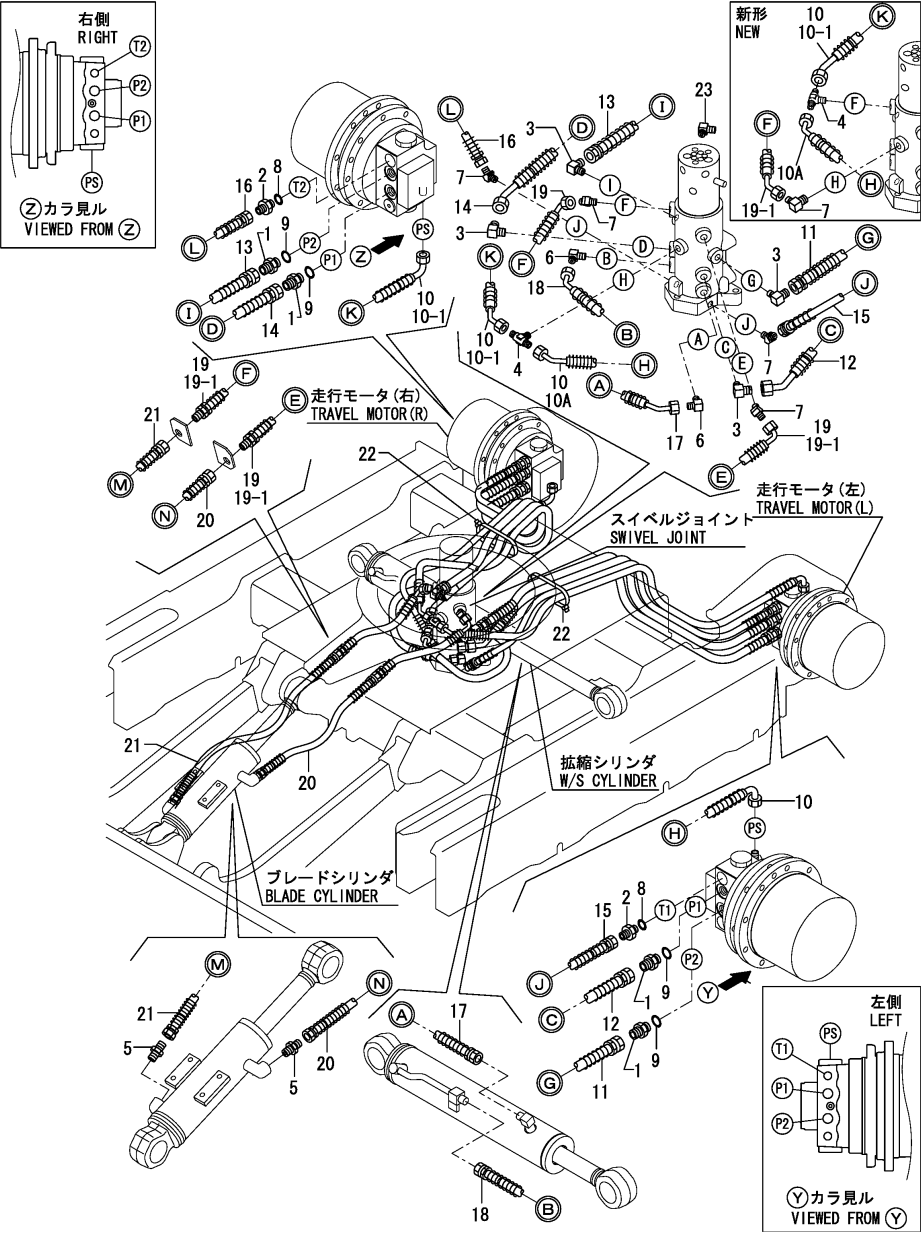
Remarks
(1)PLEASE REFER TO FIG.84.

Fig.63. HYD.OIL PIPING(RETURN)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-76100	ELBOW	1	1						
2	2	24315-000140	O-RING, 1BP14.0	1	1						
3	1	172448-76100	ELBOW	1	1						
4	2	24315-000140	O-RING, 1BP14.0	1	1						
5	1	172448-76110	ELBOW	1	1						
6	2	24315-000140	O-RING, 1BP14.0	1	1						
7	1	172448-76120	ELBOW	1	1						
8	2	24315-000080	O-RING, 1BP8.0	1	1						
9	1	172448-76140	DRAIN BLOCK	1	1						
10	1	172448-76150	ELBOW	1	1						
11	2	24315-000080	O-RING, 1BP8.0	1	1						
12	1	172187-76160	JOINT	1	1						
13	1	172448-76160	CONNECTOR, 0.6	1	1						
14	1	172448-76170	JOINT, PF1/4-3/8	2	2						
15	1	172447-76210	JOINT, G1/8-G1/4	1	1						
16	1	172186-76390	NIPPLE, ELBOW	1	1						
17	1	24315-000080	O-RING, 1BP8.0	1	1						
18	1	24315-000080	O-RING, 1BP8.0	1	1						
19	1	24315-000140	O-RING, 1BP14.0	2	2						
20	1	26013-080252	BOLT, M8X 25	2	2						
21	1	26013-100202	BOLT, M10X 20	2	2						
22	1	172448-78310	HOSE G806YY050S	2	2						
23	1	172448-78320	HOSE G806YY025S	1	1						
24	1	172448-78460	HOSE G804YY054S	1	1						
25	1	172458-78620	HOSE F403BC030	2	2						
26	1	172448-78700	HOSE G804CC042S	1	1						
27	1	172448-78740	HOSE G806YY110S	1	1						
28	1	172448-78750	HOSE G812YY080S	1	1						
29	1	23000-013000	CLAMP, 13	2	2						
30	1	23001-016000	CLAMP, HOSE 16	2	2						
31	1	23001-016000	CLAMP, HOSE 16	2	2						
32	1	23001-016000	CLAMP, HOSE 16	2	2						
33	1	23001-016000	CLAMP, HOSE 16	2	2						
34	1	23001-035000	CLAMP, HOSE 35	2	2						

Fig.64. HYD.OIL PIPING(TRACK FRAME)



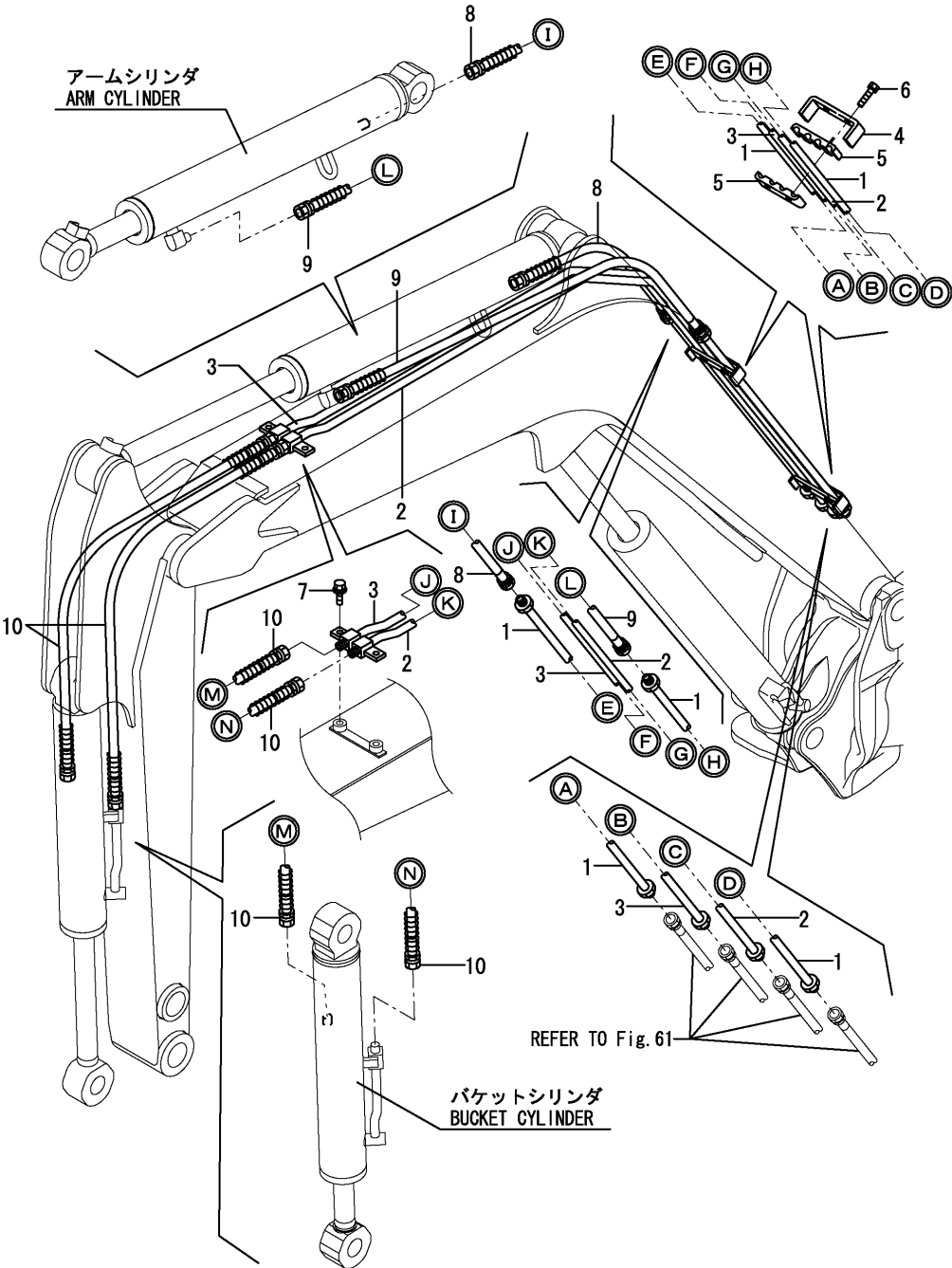
(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	4	4						
2	1	172123-76121	ADAPTER	2	2						
3	1	172147-76180	ELBOW	4	4						1
4	1	172162-76320	CONNECTOR, 3X1/4	1	1						1
5	1	23391-020000	JOINT, RGI-1/4	2	2						1
6	1	23393-020000	JOINT, 90RGI-1/4	2	2						1
7	1	23394-020000	JOINT, 45RGI-1/4	4	4						1
8	1	24315-000110	O-RING, 1BP11.0	2	2						
9	1	24315-000140	O-RING, 1BP14.0	4	4						
10	1	172448-78330	HOSE F203CE102W	2	2						
10-1	1	172A55-78730	HOSE F204CD092W	1	1					S	2
(A=M/#29626) (B=M/#29626)											
10A	1	172A55-78720	HOSE F204CD105W	1	1					W	2
(A=M/#29626) (B=M/#29626)											
11	1	172448-78340	HOSE H205BB078W	1	1						
12	1	172448-78350	HOSE H205BE078W	1	1						
13	1	172448-78360	HOSE H205BB073W	1	1						
14	1	172448-78370	HOSE H205BE081W	1	1						
15	1	172448-78380	HOSE G804BB090W	1	1						
16	1	172448-78390	HOSE G804BB087W	1	1						
17	1	172448-78400	HOSE F203BE045S	1	1						
18	1	172448-78410	HOSE F203BE055W	1	1						
19	1	172448-78710	HOSE F204CX025W	2	2						
19-1	1	172A55-78710	HOSE F204BX025W	2	2					S	2
(A=M/#29626) (B=M/#29626)											
20	1	172448-78720	HOSE F204BB039W	1	1						
21	1	172448-78730	HOSE F204BB055W	1	1						
22	1	172122-79930	CLAMP, HOSE	2	2						
23	1	172186-76390	NIPPLE, ELBOW	1	1					W	1
(A=M/#29626) (B=M/#29626)											

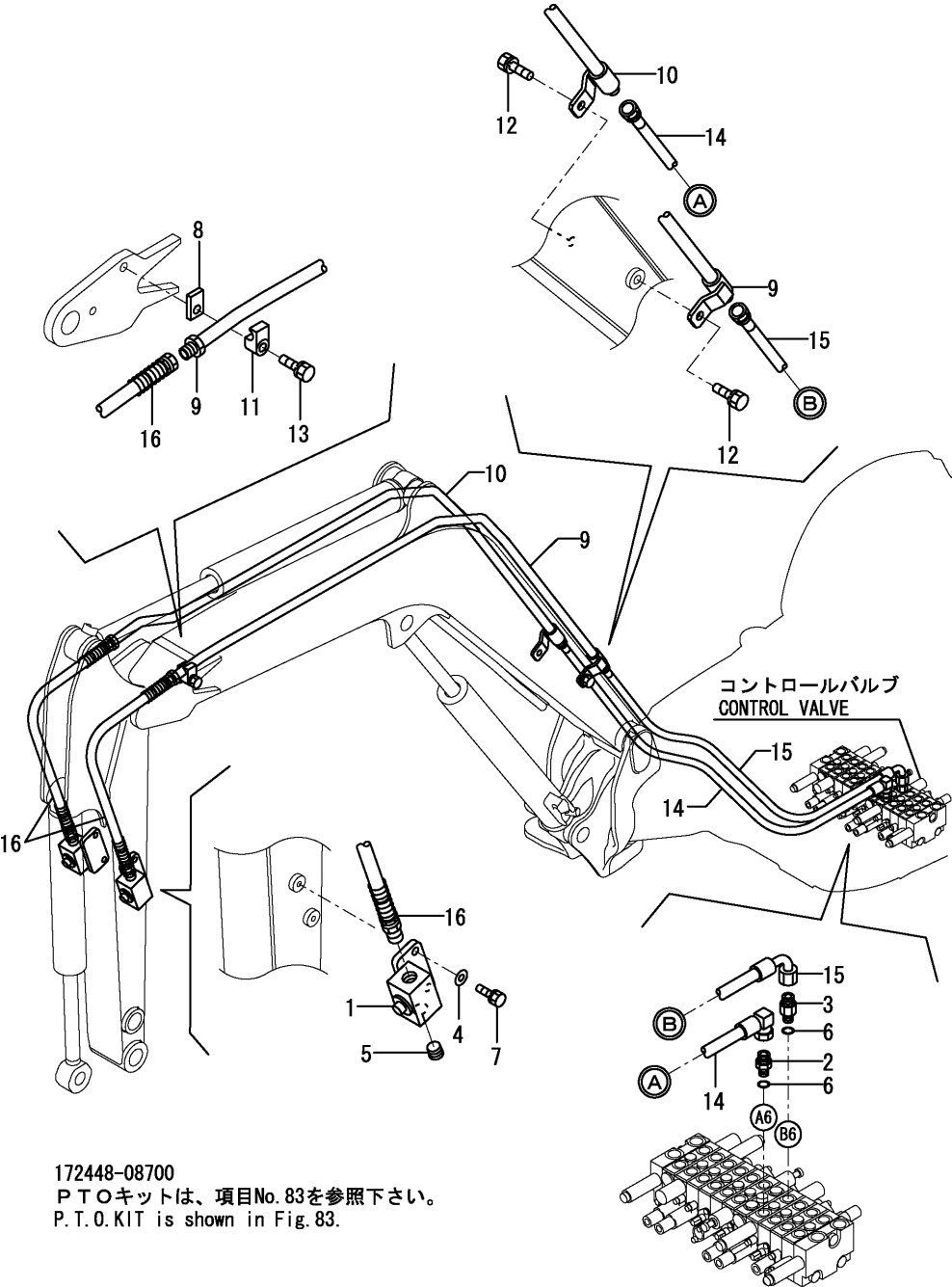
Remarks
(1)PLEASE REFER TO FIG.84.
(2)PLEASE REFER TO FIG.84 & 85.

OCK10-M40401 HYDRAULIC OIL PIPING
Fig.65. HYD.OIL PIPING(BOOM)



OCK10-M40401 Fig.65												
				(A)=VIO15-2A(JP)	(D)=							
				(B)=VIO15-2A(EX)	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172448-76400	TUBE, ARM	2	2							
2	1	172448-76450	TUBE, BUCKET	1	1							
3	1	172448-76470	TUBE, BUCKET	1	1							
4	1	172448-76680	TUBE, CLAMP	2	2							
5	1	172448-76690	TUBE, CLAMP	4	4							
6	1	26013-080352	BOLT, M8X 35	4	4							
7	1	26014-080162	BOLT, M8X 16	2	2							
8	1	172448-78420	HOSE H206BB042K	1	1							
9	1	172448-78430	HOSE H204BB085K	1	1							
10	1	172448-78440	HOSE H204BB076W	2	2							

Fig.66. HYD.OIL PIPING(P.T.O. : ARM END)



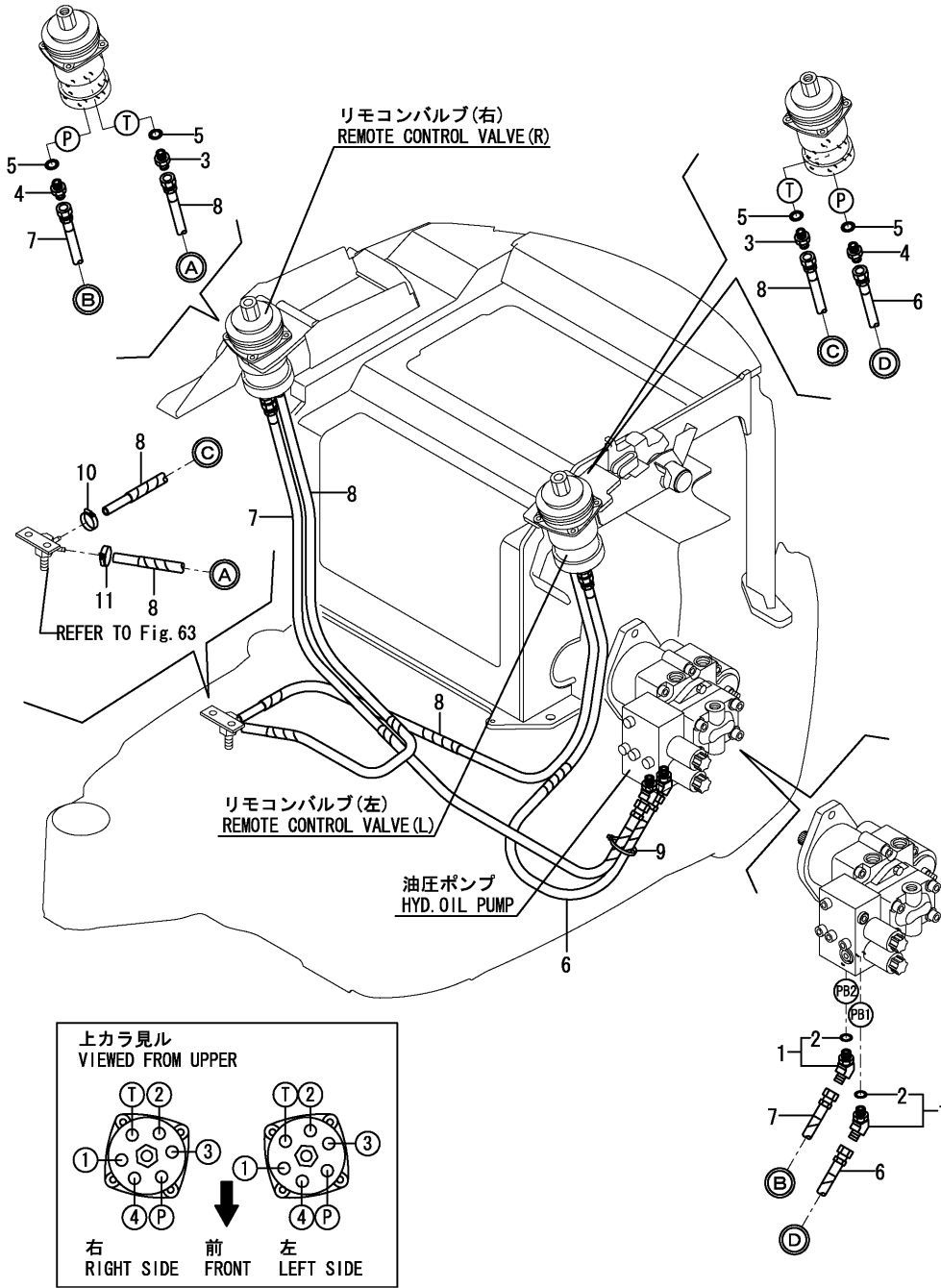
172448-08700
P T Oキットは、項目No. 83を参照下さい。
P.T.O.KIT is shown in Fig.83.

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

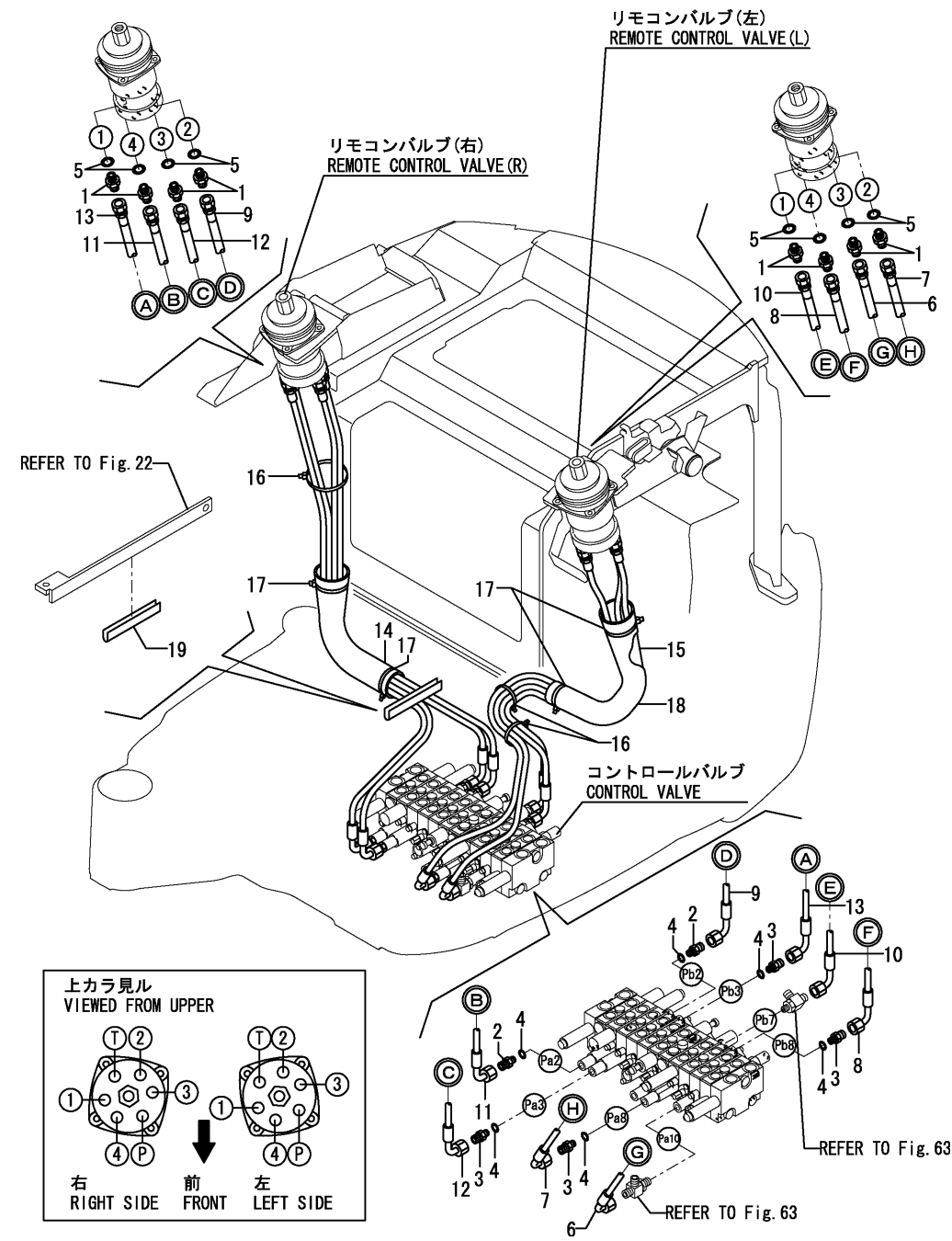
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-74820-4	STOP VALVE	2	2						
1-1	1	172183-74821-2	VALVE, STOP (97)	2	2						R
(A=M/#28166) (B=M/#28166)											
2	1	172638-76190	CONNECTOR,PF1/4PF3/8	1	1						
3	1	172157-76220	CONNECTOR, 1/4X3/8	1	1						
4	1	22117-100000	WASHER, 10	4	4						
5	1	23871-040000	PLUG, R04	2	2						
6	1	24315-000110	O-RING, 1BP11.0	2	2						
7	1	26013-100252	BOLT, M10X 25	4	4						
8	1	172183-76250	PLATE (GREEN:97)	2	2						
9	1	172448-76600	TUBE, PTO	1	1						
10	1	172448-76620	TUBE, PTO	1	1						
11	1	172142-76950-4	CLAMP	2	2						
12	1	26013-120202	BOLT, M12X 20	2	2						
13	1	26013-120502	BOLT, M12X 50	2	2						
14	1	172448-78240	HOSE H206BV107K	1	1						
15	1	172448-78250	HOSE H206BC113K	1	1						
16	1	172448-78450	HOSE H208AB059W	2	2						

Fig.67. CONTROL PIPING(PUMP - CONTROL VALVE - RETURN)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172173-76101	CONNECTOR ASSY	2	2						
2	2	24315-000110	O-RING, 1BP11.0	2	2						
3	1	172123-76121	ADAPTER	2	2						
4	1	172455-76220	CONNECTOR	2	2						
5	1	24315-000110	O-RING, 1BP11.0	4	4						
6	1	172448-78470	HOSE F403BB130S	1	1						
7	1	172448-78520	HOSE F403BB144S	1	1						
8	1	172455-78820	HOSE G804BY105S	2	2						
9	1	172122-79930	CLAMP, HOSE	1	1						
10	1	23000-013000	CLAMP, 13	1	1						
11	1	23000-013000	CLAMP, 13	1	1						

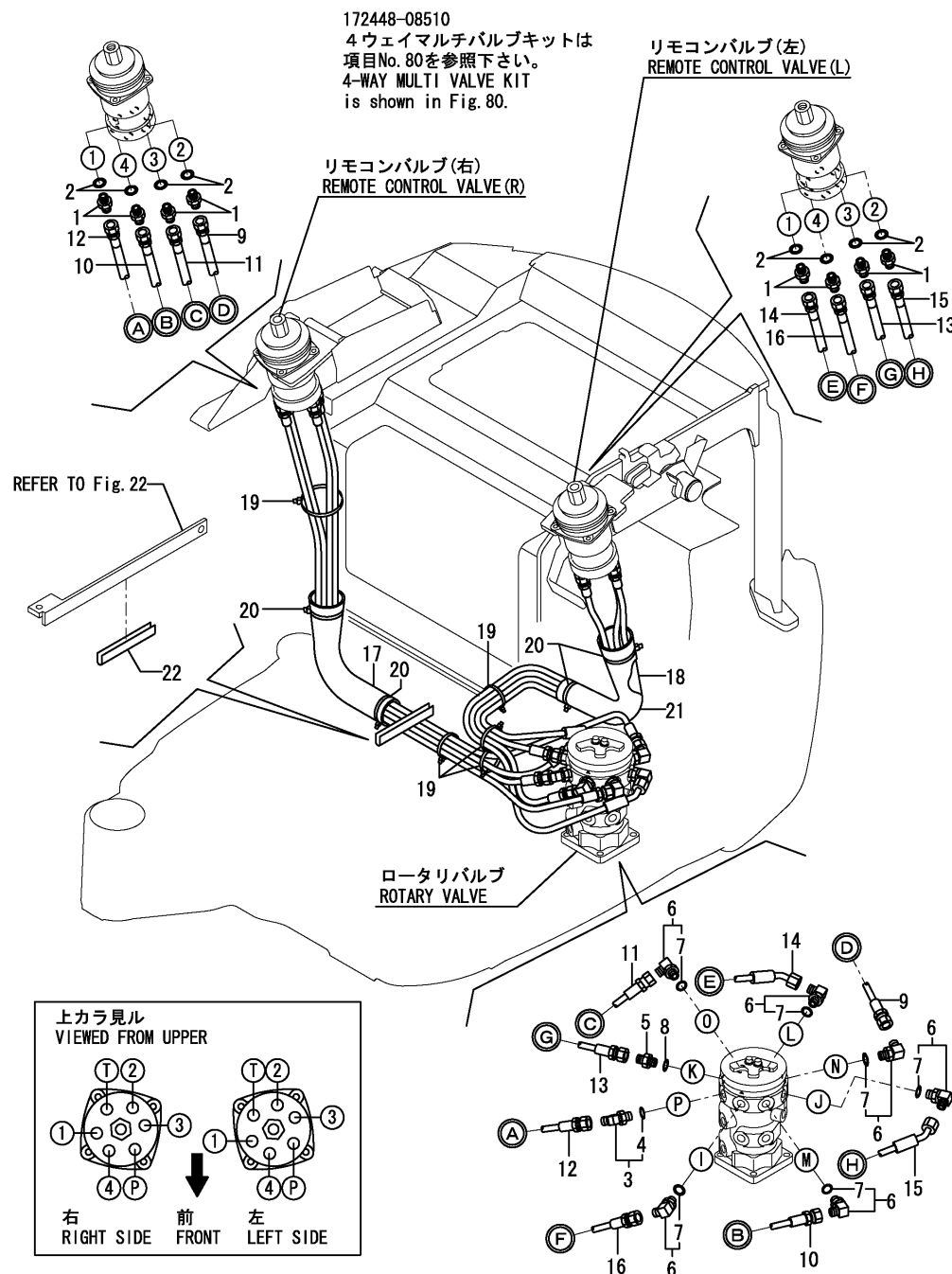
Fig.68. CONTROL PIPING(REMOTE CONTROL V. - CONTROL V. : STANDARD SPEC.)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	8	8						
2	1	172448-76160	CONNECTOR, 0.6	2	2						
3	1	172447-76210	JOINT, G1/8-G1/4	4	4						
4	1	24315-000080	O-RING, 1BP8.0	6	6						
5	1	24315-000110	O-RING, 1BP11.0	8	8						
6	1	172448-78600	HOSE F403BC123	1	1						
7	1	172448-78610	HOSE F403BC126	1	1						
8	1	172448-78620	HOSE F403BC090	1	1						
9	1	172448-78630	HOSE F403BC110	1	1						
10	1	172478-78630	HOSE F403BC089	1	1						
11	1	172448-78640	HOSE F403BC110	1	1						
12	1	172448-78650	HOSE F403BC110	1	1						
13	1	172448-78660	HOSE F403BC110	1	1						
14	1	172142-78810	COVER, HOSE	1	1						
15	1	172448-78990	SPONGE, HOSE 400	1	1						
16	1	172122-79930	CLAMP, HOSE	3	3						
17	1	172122-79930	CLAMP, HOSE	4	4						
18	1	172448-79950	COVER, HOSE	1	1						
19	1	172A55-78500	RUBBER PLATE	1	1						W
(A)=M/#27545) (B)=M/#27545)											

Fig.69. CONTROL PIPING(REMOTE CONTROL V. - ROTARY V. : 4-WAY SPEC.)

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	8							
2	1	24315-000110	O-RING, 1BP11.0	8							
3	1	172173-76101	CONNECTOR ASSY	1							
4	2	24315-000110	O-RING, 1BP11.0	1							
5	1	172123-76121	ADAPTER	1							
6	1	172141-76180	CONNECTOR ASSY	6							
7	2	24315-000110	O-RING, 1BP11.0	6							
8	1	24315-000110	O-RING, 1BP11.0	1							
9	1	172448-78480	HOSE F403BB120	1							
10	1	172448-78490	HOSE F403BB118	1							
11	1	172448-78500	HOSE F403BB105	1							
12	1	172448-78510	HOSE F403BB105	1							
13	1	172448-78761	HOSE F403BB080	1							
14	1	172448-78770	HOSE F403BE084	1							
15	1	172448-78780	HOSE F403BE105	1							
16	1	172448-78790	HOSE F403BB088	1							
17	1	172142-78810	COVER, HOSE	1							
18	1	172448-78990	SPONGE, HOSE 400	1							
19	1	172122-79930	CLAMP, HOSE	5							
20	1	172122-79930	CLAMP, HOSE	4							
21	1	172448-79950	COVER, HOSE	1							
22	1	172A55-78500	RUBBER PLATE	1							W

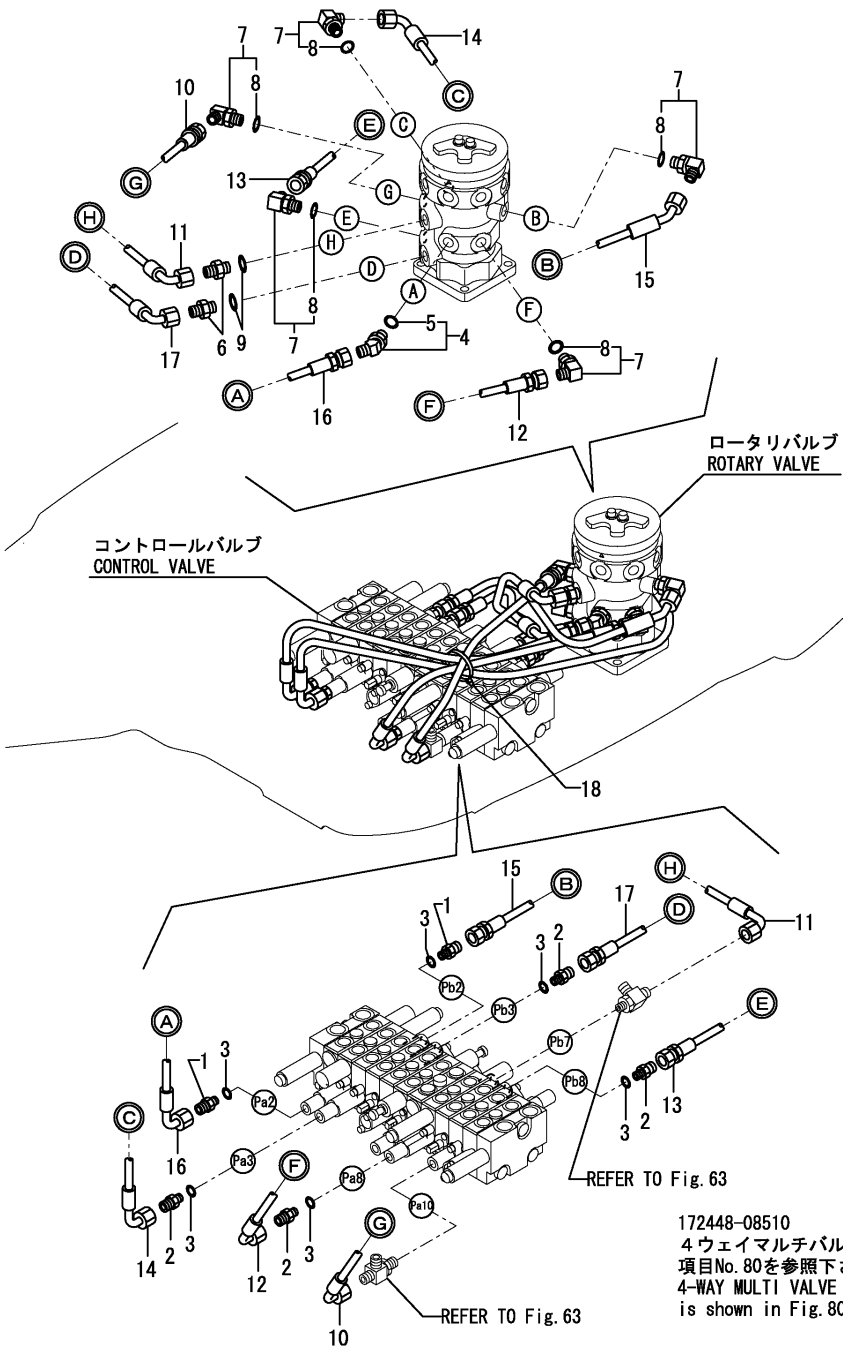
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.70. CONTROL PIPING(ROTARY VALVE - CONTROL VLAVE : 4-WAY SPEC.)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-76160	CONNECTOR, 0.6	2							
2	1	172447-76210	JOINT, G1/8-G1/4	4							
3	1	24315-000080	O-RING, 1BP8.0	6							
4	1	172173-76101	CONNECTOR ASSY	1							
5	2	24315-000110	O-RING, 1BP11.0	1							
6	1	172123-76121	ADAPTER	2							
7	1	172141-76180	CONNECTOR ASSY	5							
8	2	24315-000110	O-RING, 1BP11.0	5							
9	1	24315-000110	O-RING, 1BP11.0	2							
10	1	172448-78530	HOSE F403BC042	1							
11	1	172448-78540	HOSE F403CC027	1							
12	1	172448-78550	HOSE F403BC045	1							
13	1	172448-78560	HOSE F403BB030	1							
14	1	172448-78570	HOSE F403CC072S	1							
15	1	172448-78580	HOSE F403BE052	1							
16	1	172448-78590	HOSE F403BC050	1							
17	1	172448-78680	HOSE F403BC030	1							
18	1	172122-79930	CLAMP, HOSE	1							

Fig.71. GREASING

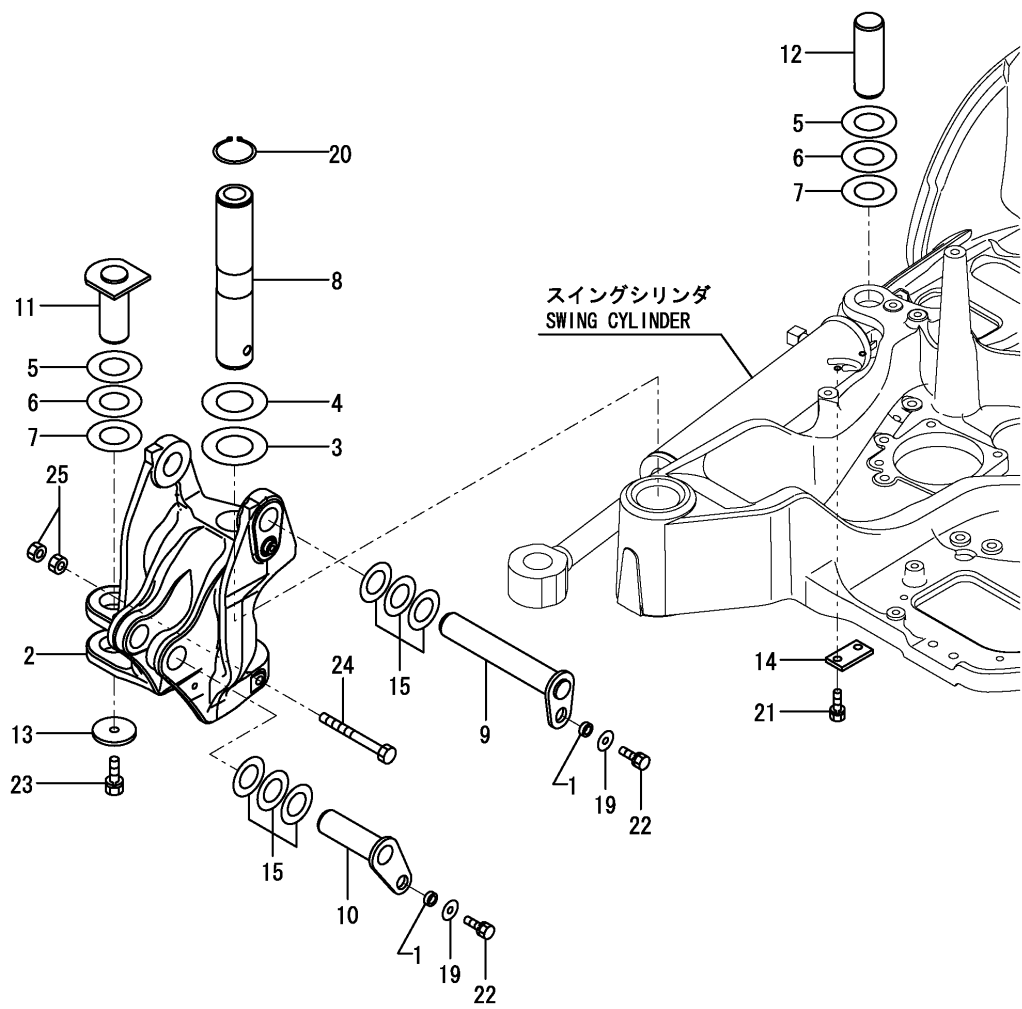


(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-77100	HOSE P602YY068	2	2						
2	1	172448-77110	SEAT, SCREW PT1/8	1	1						
3	1	172141-77800	JOINT, GREASE	4	4						
4	1	172312-77820	FITTING, GREASE	1	1						
5	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
6	1	26013-080352	BOLT, M8X 35	1	1						
7	1	933168-55770	BAND 146	1	1						

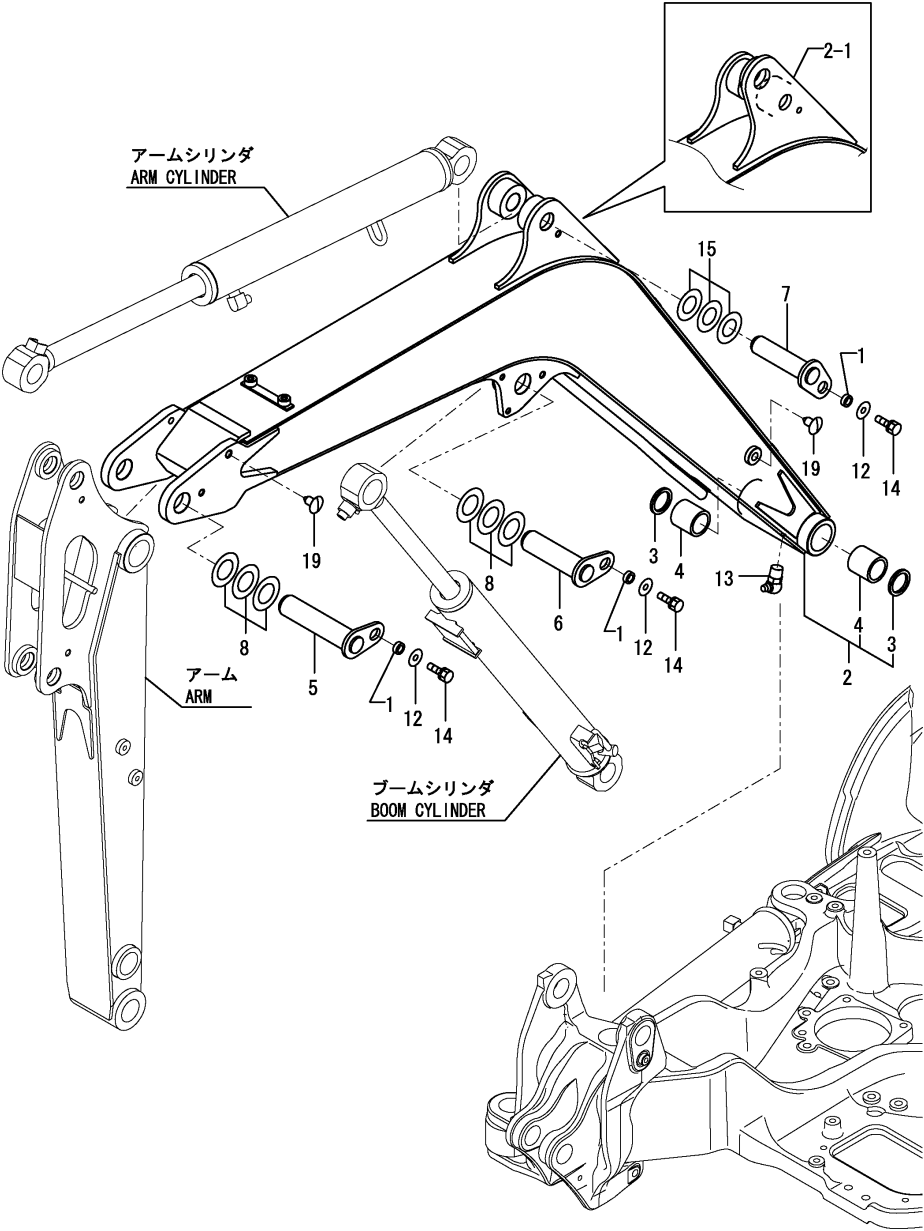
Fig.72. BOOM BRACKET



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172010-01640	SPACER	2	2						
2	1	172448-82301	BRACKET,BOOM(GREEN97	1	1						
3	1	172165-82520	SHIM	1	1						
4	1	172165-82530	SHIM	1	1						
5	1	172165-82580	SHIM	2	2						
6	1	172165-82590	SHIM	2	2						
7	1	172165-82600	SHIM	2	2						
8	1	172A55-82650	PIN, 50X282	1	1						
9	1	172A55-82670	PIN ASSY,35X217	1	1						
10	1	172A55-82730	PIN ASSY, 35X110	1	1						
11	1	172A55-82880	PIN ASSY, 40X96	1	1						
12	1	172A55-82900	PIN, 40X120	1	1						
13	1	172146-82910	SPACER	1	1						
14	1	172117-83970-1	PLATE (C)	1	1						
14-1	1	172117-83970-7	PLATE(C),LOCK(GRAY49	1	1						S
(A=M/#28498) (B=M/#28498)											
15	1	172141-84601	SHIM	2	2						
19	1	22157-100000	WASHER, 10	2	2						
20	1	22242-000500	RING, 50	1	1						
21	1	26013-100202	BOLT, M10X 20	2	2						
22	1	26013-100252	BOLT, M10X 25	2	2						
23	1	26013-120252	BOLT, M12X 25	1	1						
24	1	26116-121302	BOLT, M12X130 PLATED	1	1						
25	1	26756-120002	NUT, LOCK M12	2	2						



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

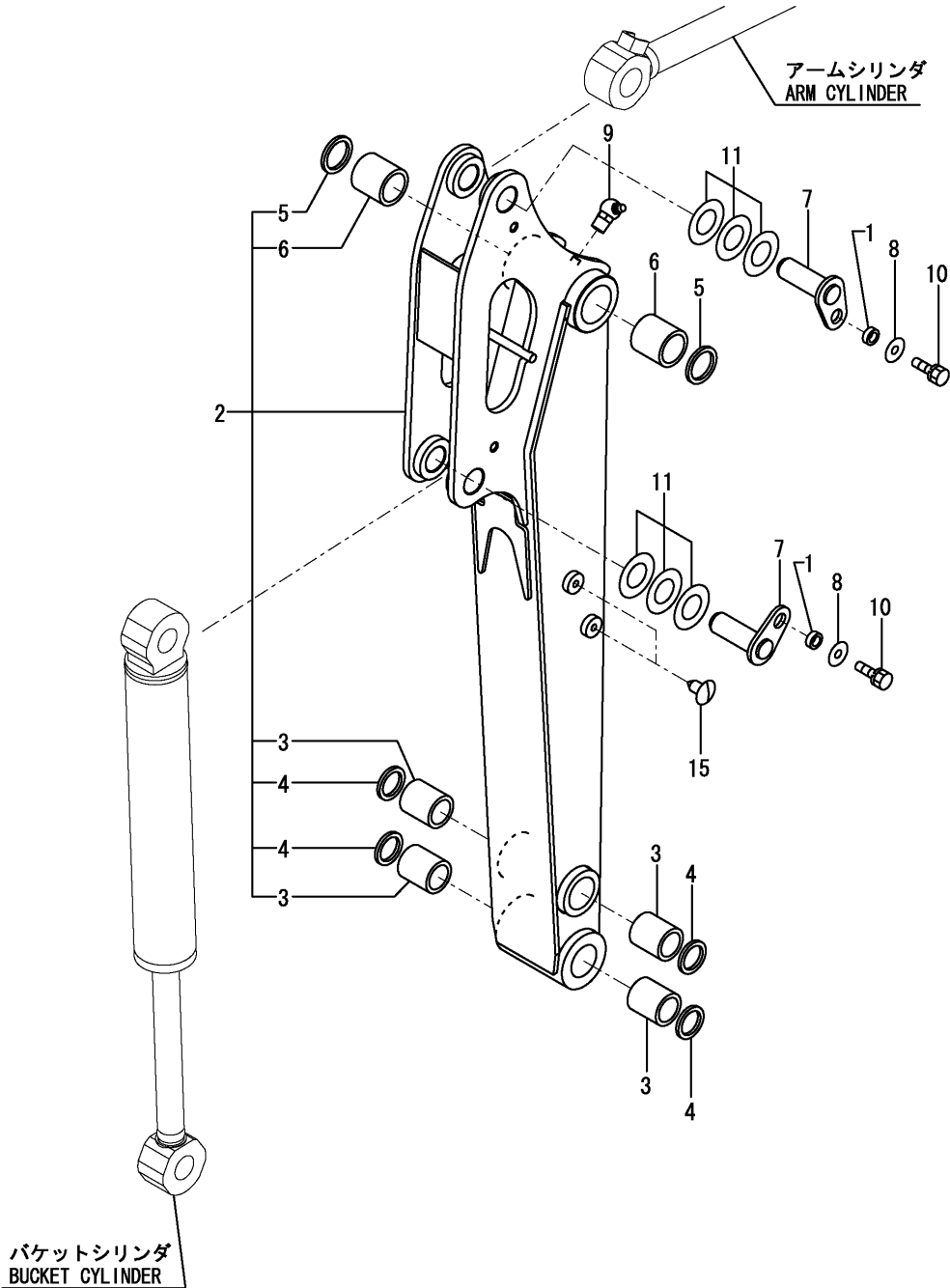
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172010-01640	SPACER	3	3						
2	1	172448-81100	BOOM ASSY (GREEN:97)	1	1						
2-1	1	172448-81090-1	BOOM ASSY (GREEN:97)	1	1						S
		(A=M/#27862) (B=M/#27862)									
3	2	172448-81610	SEAL, DUST 35X45X4	2	2						
4	2	172141-82270	BUSH 35 45	2	2						
5	1	172A55-82700	PIN ASSY,35X155	1	1						
6	1	172A55-82760	PIN ASSY, 35X127	1	1						
7	1	172A55-82790	PIN ASSY, 30X121	1	1						
8	1	172141-84601	SHIM	2	2						
12	1	22157-100000	WASHER, 10	3	3						
13	1	24761-050000	NIPPLE, GREASE C	1	1						
14	1	26013-100252	BOLT, M10X 25	3	3						
15	1	933160-06711	SHIM ASSY	1	1						
19	1	172176-68210	CLIP, TREE	4	4						

Remarks
(1)3 POINT SUSPEND SPEC.
(2)1 POINT SUSPEND SPEC.

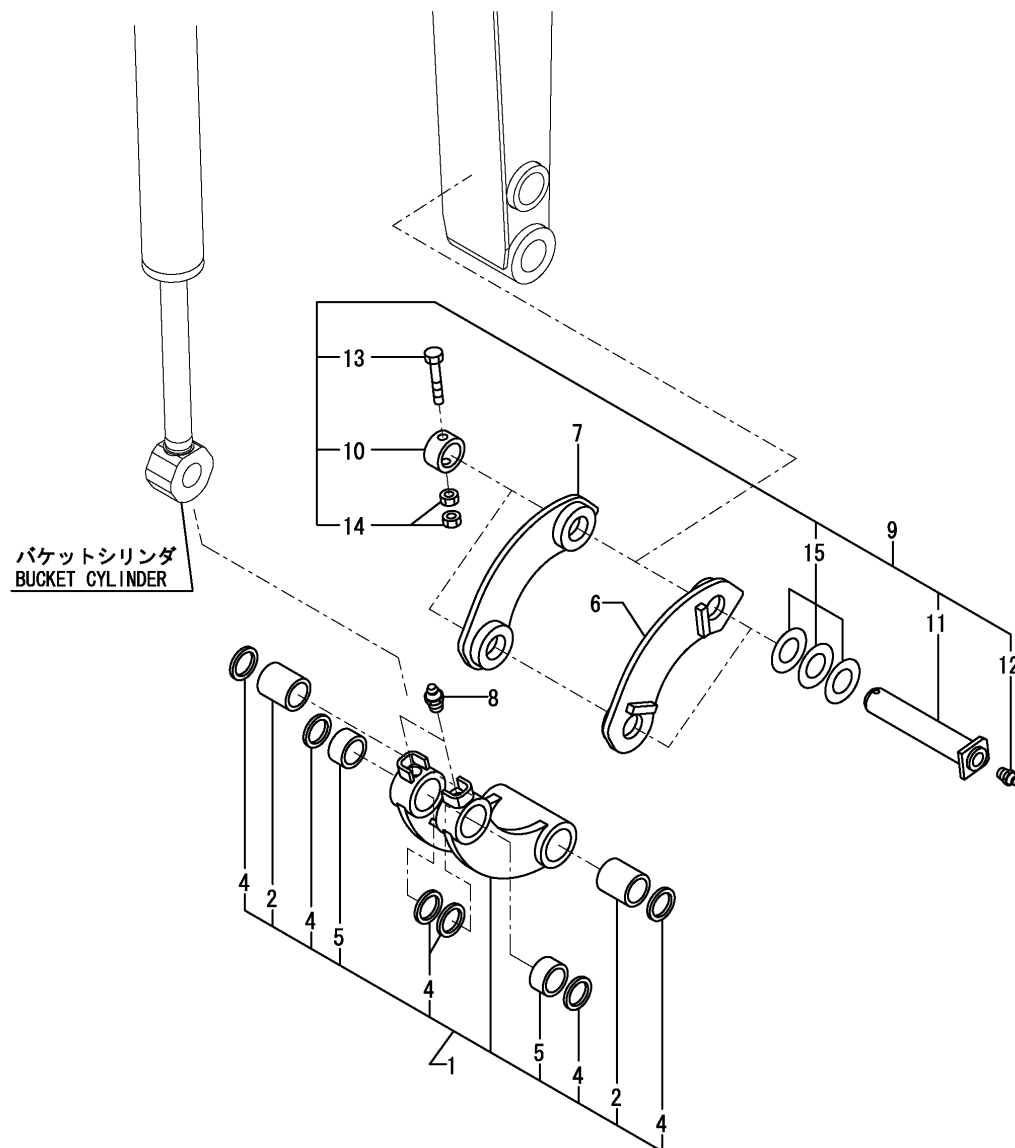
Fig.74. ARM

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

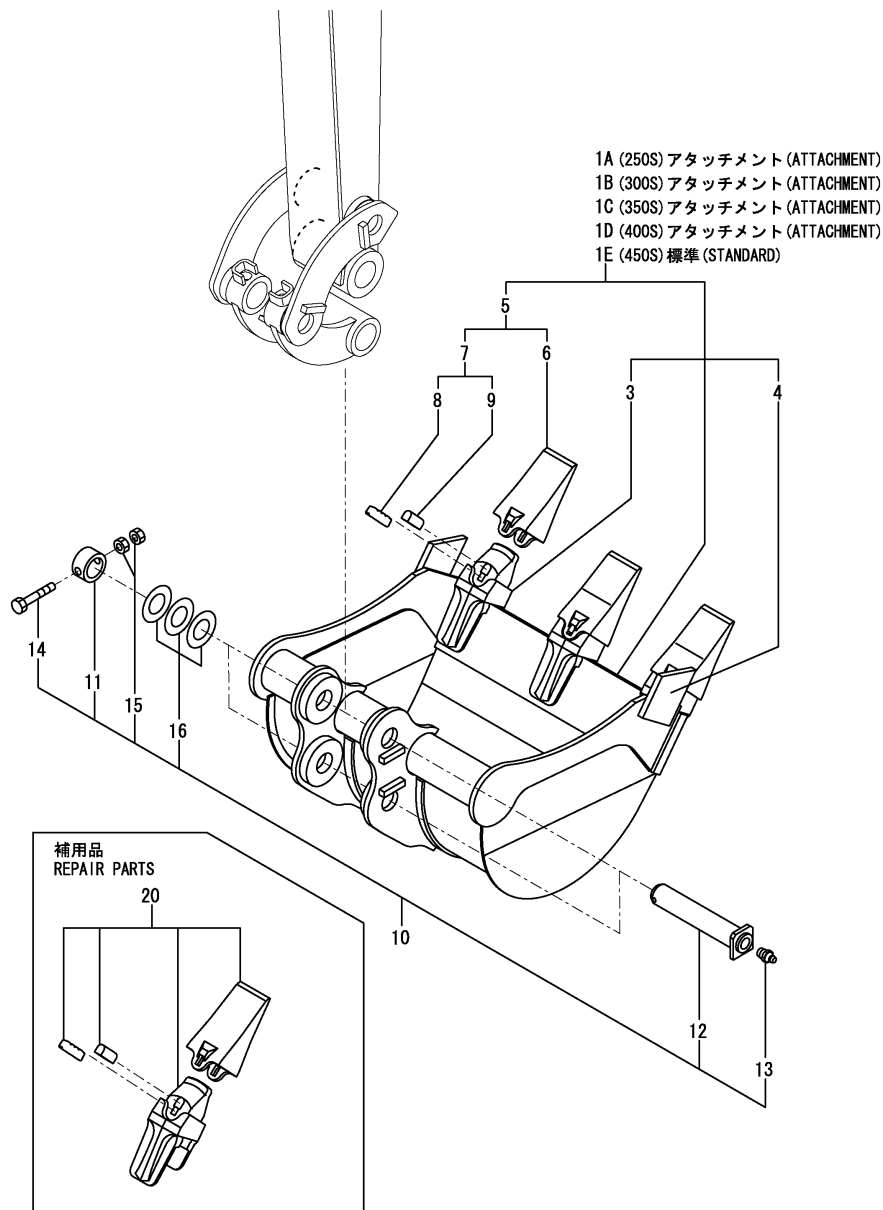
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172010-01640	SPACER	2	2						
2	1	172448-81490	ARM ASSY	1	1						
3	2	172137-81300	BUSH 30X45, PIN	4	4						
4	2	172448-81600	SEAL, DUST 30X40X4	4	4						
5	2	172448-81610	SEAL, DUST 35X45X4	2	2						
6	2	172141-82270	BUSH 35 45	2	2						
7	1	172A20-81980	PIN ASSY, 30X87	2	2						
8	1	22157-100000	WASHER, 10	2	2						
9	1	24761-040000	NIPPLE, GREASE B	1	1						
10	1	26013-100252	BOLT, M10X 25	2	2						
11	1	933160-06711	SHIM ASSY	2	2						
15	1	172183-81160	CLIP, TREE	4	4						

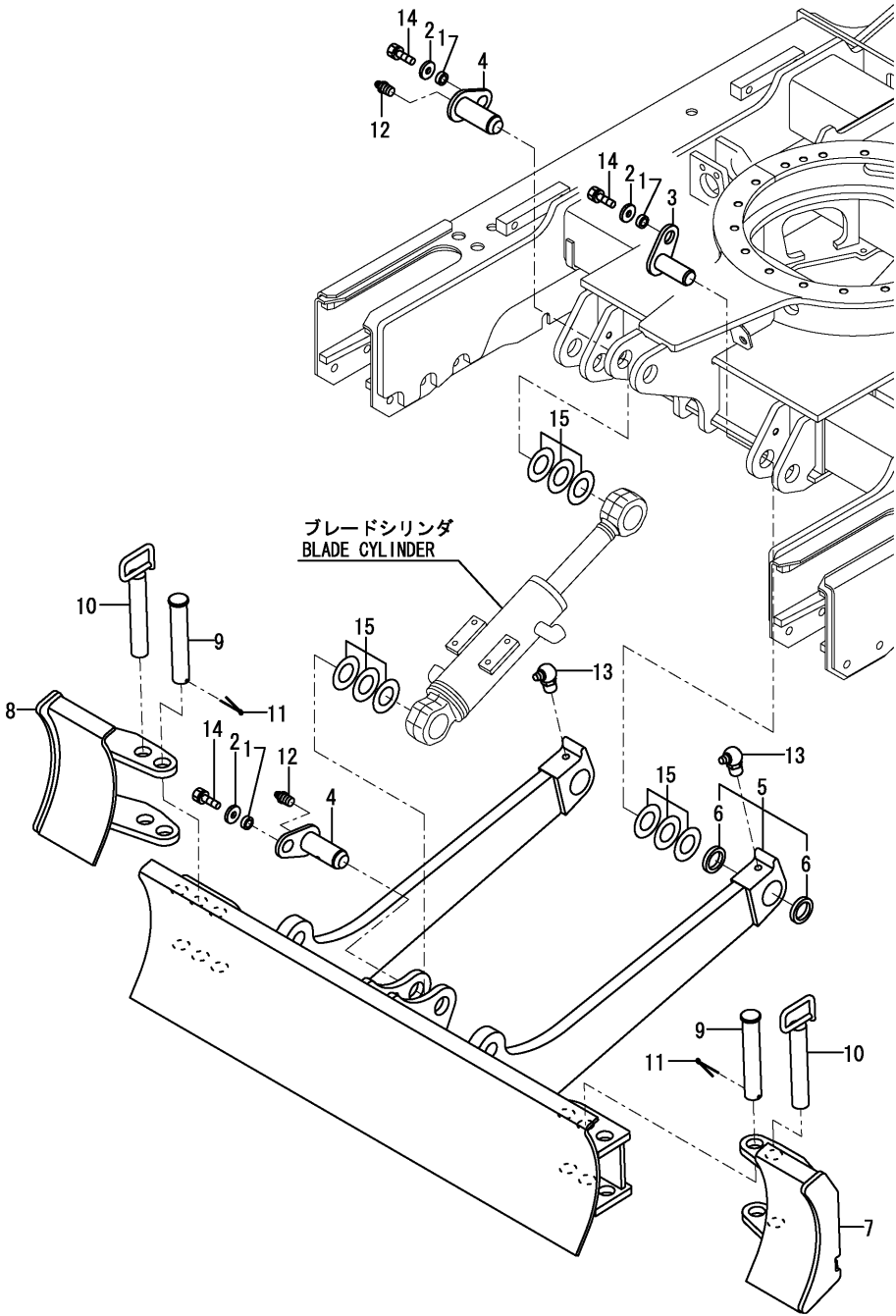


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-81400	LINK, BUCKET (97)	1	1						
2	2	172137-81300	BUSH 30X45, PIN	2	2						
4	2	172448-81600	SEAL, DUST 30X40X4	6	6						
5	2	172137-84451	BUSH	2	2						
6	1	172448-84500	ARM, BUCKET	1	1						
7	1	172448-84510	ARM, BUCKET	1	1						
8	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
9	1	172A55-99450	PIN KIT,BUCKET	2	2						
10	2	172149-83220	COLLAR, 30X42.7X22	2	2						
11	2	172A55-86250	PIN ASSY, 30X159	2	2						
12	2	24761-020000	NIPPLE, GREASE PT1/8	2	2						
13	2	26116-100602	BOLT, M10X 60 PLATED	2	2						
14	2	26716-100002	NUT, M10	4	4						
15	2	933160-06711	SHIM ASSY	2	2						



No.	Lev.	Parts No.	Description	(A)=VIO15-2A (B)=VIO15-2A (C)=VIO15-2A			(D)=VIO15-2A (E)=VIO15-2A (F)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1A	1	172448-82100	BUCKET ASSY	1							3
1B	1	172448-82140	BUCKET ASSY		1						3
1C	1	172448-82180	BUCKET ASSY			1					3
1D	1	172448-82220	BUCKET ASSY				1				3
1E	1	172448-82400	BUCKET ASSY, 450S					1			2
3	3	172448-82530	ADAPTER	2	3	3	3	3			
4	3	172137-86240-4	CUTTER, SIDE	2	2	2	2	2			
5	2	172448-82950-1	TOOTH KIT, POINT	2	3	3	3	3			
6	3	172448-82570	TOOTH, POINT	2	3	3	3	3			
7	3	172448-82960	PIN ASSY, LOCK	2	3	3	3	3			
8	4	172448-82580	PIN,LOCK	2	3	3	3	3			
9	4	172448-82590	RUBBER,PIN	2	3	3	3	3			
10	1	172A55-99450	PIN KIT,BUCKET	2	2	2	2	2			
11	2	172149-83220	COLLAR, 30X42.7X22	2	2	2	2	2			
12	2	172A55-86250	PIN ASSY, 30X159	2	2	2	2	2			
13	2	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2			
14	2	26116-100602	BOLT, M10X 60 PLATED	2	2	2	2	2			
15	2	26716-100002	NUT, M10	4	4	4	4	4			
16	2	933160-06711	SHIM ASSY	2	2	2	2	2			
20	1	772448-82530	TOOTH ASSY	2	3	3	3	3			1

Remarks
(1)REPAIR KIT.
(2)STANDARD SPEC.
(3)ATTACHMENT.

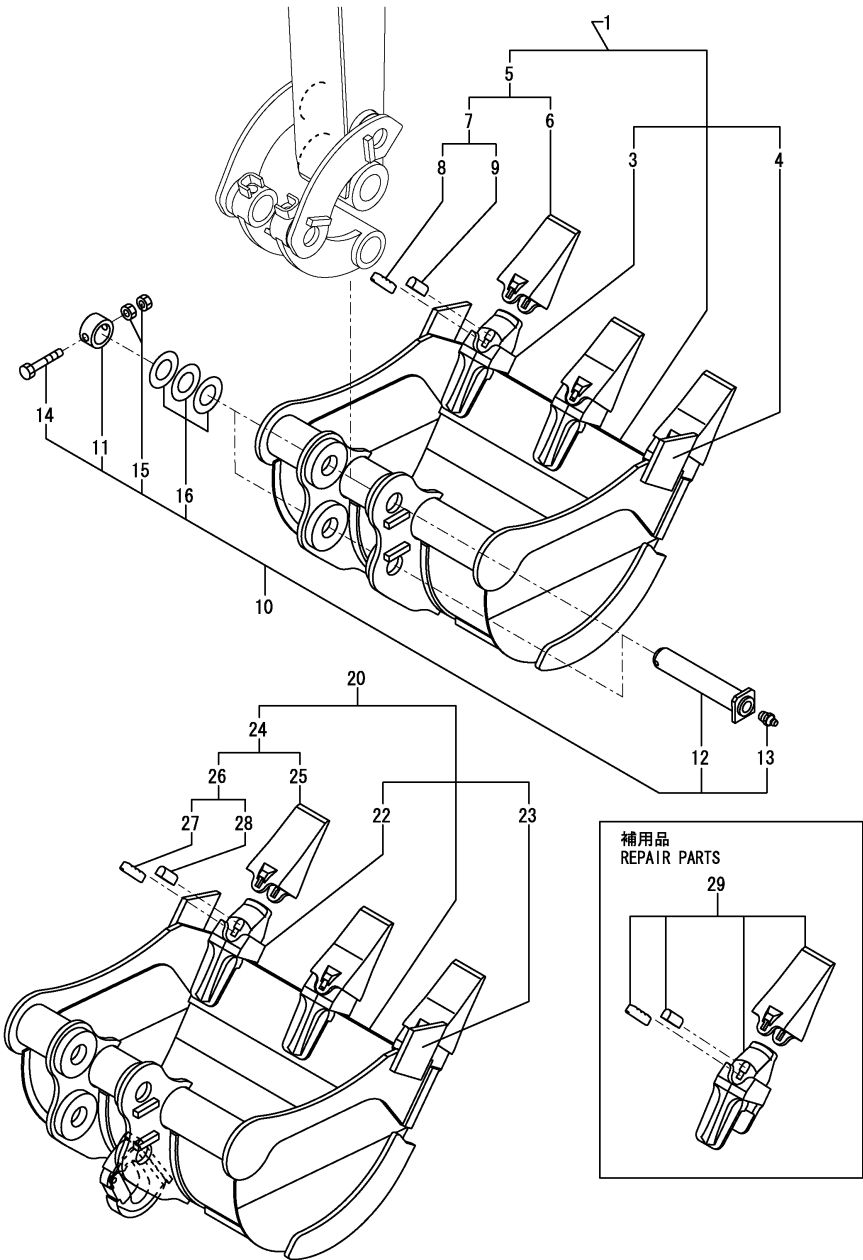


(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

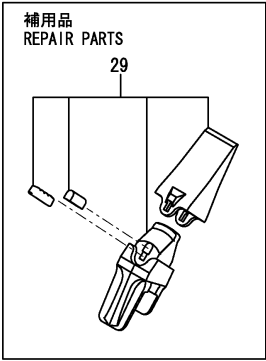
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172010-01640	SPACER	4	4						
2	1	172110-36010	COLLAR	4	4						
3	1	172A55-94250	PIN ASSY, 30X76 A	2	2						
4	1	172A55-94270	PIN ASSY, 30X76 B	2	2						
5	1	172448-94490	BLADE ASSY (88)	1	1						
5-1	1	172448-94490-1	BLADE ASSY (49)	1	1						S
(A=M/#28498) (B=M/#28498)											
6	2	172448-81600	SEAL, DUST 30X40X4	4	4						
7	1	172448-94602	BLADE ASSY,SIDE L(88)	1	1						
7-1	1	172448-94602-2	BLADE ASSY,SIDE L(49)	1	1						S
(A=M/#28498) (B=M/#28498)											
8	1	172448-94612	BLADE ASSY, SIDE R	1	1						
8-1	1	172448-94612-2	BLADE ASSY,SIDE R(49)	1	1						S
(A=M/#28498) (B=M/#28498)											
9	1	172448-94700	PIN 25X143	2	2						
10	1	172448-94710	PIN 25	2	2						
11	1	22417-400400	PIN, COTTER 4.0X40	2	2						
12	1	24761-020000	NIPPLE, GREASE PT1/8	2	2						
13	1	24761-040000	NIPPLE, GREASE B	2	2						
14	1	26013-100252	BOLT, M10X 25	4	4						
15	1	933160-06711	SHIM ASSY	4	4						

Fig.78. BUCKET(H-TYPE)



							OCK10-M40401 Fig.78					
							(A)=VIO15-2A(JP)		(D)=			
							(B)=VIO15-2A(EX)		(E)=			
							(C)=		(F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	172448-82910	BUCKET ASSY	1								
3	4	172448-82530	ADAPTER	3								
4	4	172137-86240-4	CUTTER, SIDE	2								
5	2	172448-82950-1	TOOTH KIT, POINT	3								
6	3	172448-82570	TOOTH, POINT	3								
7	3	172448-82960	PIN ASSY, LOCK	3								
8	4	172448-82580	PIN,LOCK	3								
9	4	172448-82590	RUBBER,PIN	3								
10	1	172A55-99450	PIN KIT,BUCKET	2								
11	2	172149-83220	COLLAR, 30X42.7X22	2								
12	2	172A55-86250	PIN ASSY, 30X159	2								
13	2	24761-020000	NIPPLE, GREASE PT1/8	2								
14	2	26116-100602	BOLT, M10X 60 PLATED	2								
15	2	26716-100002	NUT, M10	4								
16	2	933160-06711	SHIM ASSY	2								
20	1	172448-82970	BUCKET ASSY	1								
22	4	172448-82530	ADAPTER	3								
23	4	172137-86240-4	CUTTER, SIDE	2								
24	2	172448-82950-1	TOOTH KIT, POINT	3								
25	3	172448-82570	TOOTH, POINT	3								
26	3	172448-82960	PIN ASSY, LOCK	3								
27	4	172448-82580	PIN,LOCK	3								
28	4	172448-82590	RUBBER,PIN	3								
29	1	772448-82530	TOOTH ASSY	3							1	



Remarks
(1)REPAIR KIT.

Fig.79. TRAVEL ALARM KIT(OPTIONAL)



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

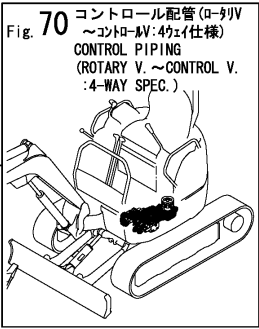
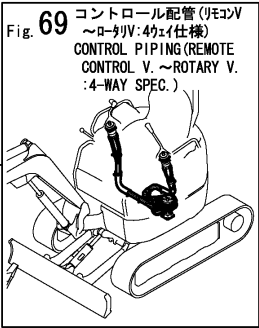
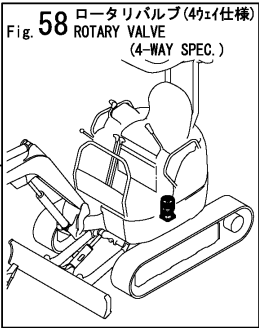
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172448-08310	ALARM KIT, TRAVEL	1							
2	2	172126-16540	CLAMP	1							
3	2	172448-16600	HARNESS D CMP	1							
4	3	172478-16580	HARNESS,ALARM	1							
5	3	172448-16590	HARNESS,D	1							
6	2	172448-17250	BRACKET, ALARM	1							
7	2	172511-17351	BUZZER, BACK	1							
8	2	172472-17400	CASE ASSY, ALARM	1							
9	2	172472-17470	COVER, ALARM CASE	1							
10	2	172157-45840	WASHER 8X18X4	4							
11	2	172448-45880	STAY	1							
12	2	172448-45890	STAY	1							
13	2	194464-52190	SWITCH, SAFETY START	2							
14	2	22137-100000	WASHER, 10	2							
15	2	26013-060122	BOLT, M6X 12	3							
16	2	26013-080122	BOLT, M8X 12	1							
17	2	26013-080252	BOLT, M8X 25	4							
18	2	26013-100252	BOLT, M10X 25	2							
19	2	26013-100252	BOLT, M10X 25	2							
20	2	26776-180002	NUT, LOCK M18	2							
21	2	933168-55770	BAND 146	1							

Fig.80. 4-WAY MULTI VALVE KIT(OPTIONAL)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-08510	4-WAY MULTIVALVE KIT	1							1



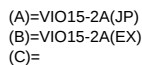
1
4ウェイマルチバルブキット
4-WAY MULTI VALVE KIT
(172448-08510)

標準操作パターン (JIS. ヤンマーパターン) を
ワンタッチで他社パターンに変更可能な
切替えバルブ等を追加する為の部品です。
CUTOFF VALVE PARTS, ETC. WHICH CAN CHANGE
FROM STANDARD OPERATION PATTERN
(JIS. YANMER PATTERN) TO ANOTHER CORPORATION
PATTERN PROMPTLY.

K I Tコードの子部品は、各項目を参照ください。
INNER PARTS OF KIT CODE ARE
SHOWN IN THESE FIGURE.

Remarks
(1)REFER TO EACH FIGURE, SHOWING
DETAILS OF KIT PARTS.

Fig.81. C,D PATTERN KIT(OPTIONAL)



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

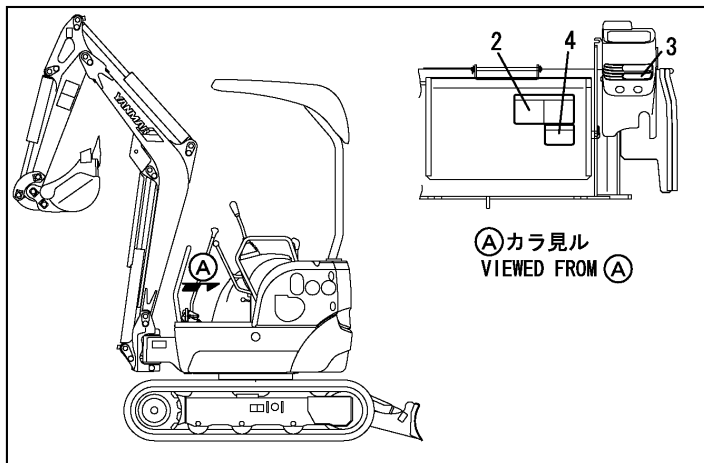
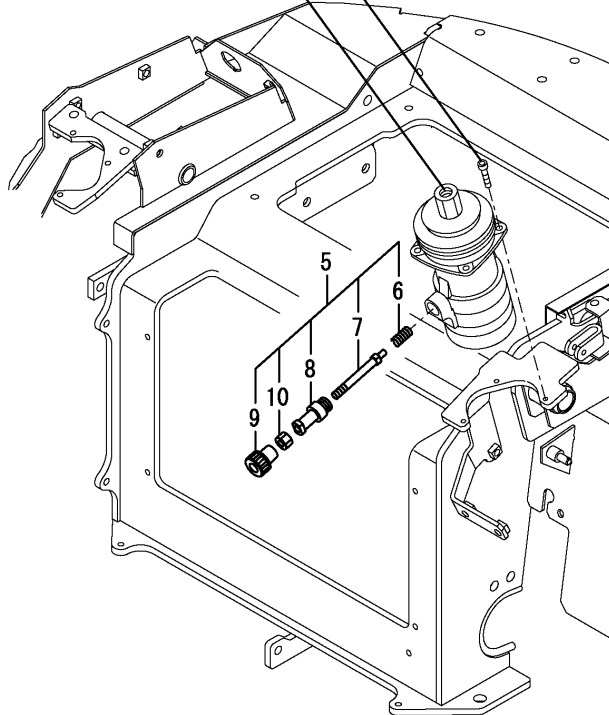
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172448-08530	PATTERN KIT	1							
2	2	172141-03160	LABEL, OPERATION(C)	1							
3	2	172141-03390	LABEL	1							
4	2	172478-78490	HOSE F403BC125S	2							

Fig.82. 2-WAY MULTI VALVE KIT(OPTIONAL)

見出しNO. 1は、
見出しNO. 2～10を含みます。
1 INC. 2～10.



REFER TO Fig. 21-
REFER TO Fig. 56



(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

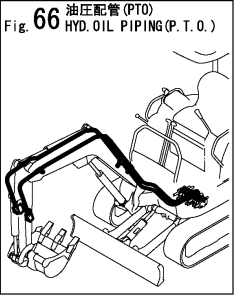
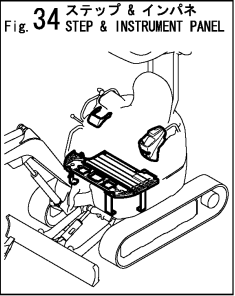
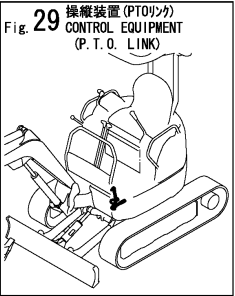
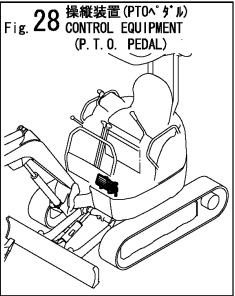
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-08530	VALVE KIT, 2-WAY	1							
2	2	172458-03550	LABEL	1							
3	2	172458-03560	LABEL	1							
4	2	172458-03570	LABEL	1							
5	2	172458-08540	LEVER ASS,2W	1							
6	3	1C6141-35370	SPRING, LOCK	1							
7	3	172458-74470	SHAFT	1							
8	3	172458-74480	SLEEVE	1							
9	3	172458-74490	KNOB, LEVER	1							
10	3	26712-080002	NUT, M8	1							

Fig.83. P.T.O. KIT(OPTIONAL)

(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-08700	PTO KIT	1							1



1 —
PTOキット
P.T.O. KIT
(172448-08700)

P.T.O配管のまったく付いていない
標準仕様に配管、リンク及び
カバーを加える改装部品です。
PARTS IN ORDER TO ADD PIPE, LINK
& COVER TO STANDARD SPEC. WITH
NO P.T.O. PILING.

Remarks
(1)REFER TO EACH FIGURE, SHOWING
DETAILS OF KIT PARTS.

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

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(A)=VIO15-2A(JP)
(B)=VIO15-2A(EX)
(C)=

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

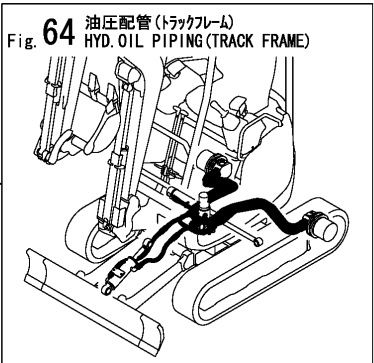
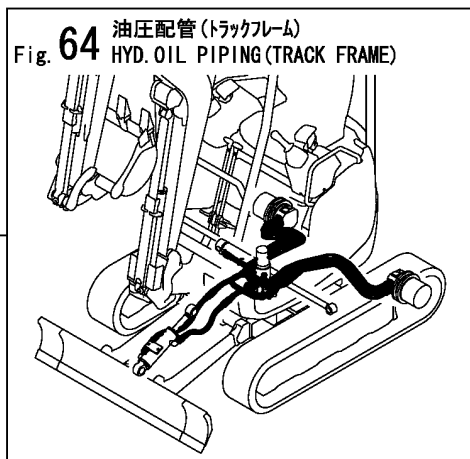
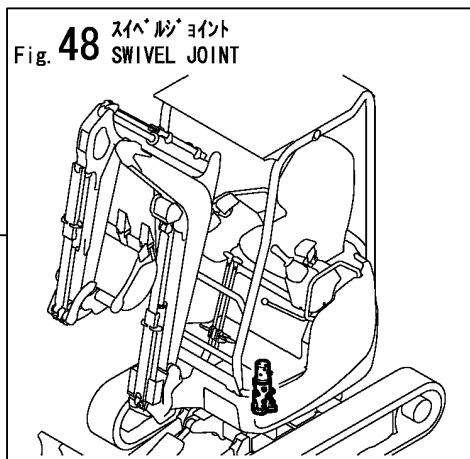
[illegible]

Fig.85. SWIVEL JOINT HOSE EXCHANGE KIT



1

172A55-08450
スィベルジョイントホース交換キット
SWIVEL JOINT HOSE EXCHANGE KIT

[illegible]

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101720-55750	11	43
102103-55520	11	27
		38
103954-13201	6	6
104200-11920	10	13
104200-55321	11	34
104200-55330	11	24
		35
104200-55341	11	36
104200-55750	11	31
		44
105027-12580	6	15
105425-01690	8	23
106990-44660	10	28
110250-55610	11	28
		39
119225-52102	11	22
119247-77100	14	19
119258-12530	6	12
119650-77910	14	21
119653-77710	14	20
119655-12560	6	14
119808-12540	6	13
119810-55340	11	25
119810-55650	11	30
119813-44510	9	30
119833-55620	11	23
121250-49121	9	3
121250-55620	11	29
121254-55510	11	26
121256-44600	9	37
121257-55720	11	40
121257-55731	11	41
121470-44540	1	38
124064-55510	11	37
124450-44550	9	36
124701-11911	6	5
124766-59050	9	39
	10	29
	11	48
129211-77920	14	24
129335-55700	11	33
171081-55910	11	45
172010-01640	72	1
	73	1
	74	1
	77	1
172068-28490	28	2
172110-36010	77	2
172113-12522	7	6

Parts No.	Fig. No.	Ref. No.
172117-83970-1	72	14
172117-83970-7	72	14 -1
172122-14610	11	3
172122-37844	18	13
		34
172122-46590	22	35
	26	32
	29	10
172122-70350	46	15
		16
172122-73430	46	27
172122-73470	46	41
172122-73480	46	42
172122-79930	60	11
	61	29
	62	25
	64	22
	67	9
	68	16
		17
	69	19
		20
	70	18
172123-76121	61	1
		2
		3
	62	1
		2
		3
	64	2
	67	3
	68	1
	69	1
		5
	70	6
172124-46200	21	17
	22	14
		21
	26	9
	29	9
172124-76100	60	2
172125-03951	2	44
172126-11510	11	1
	13	1
172126-16540	7	7
	9	28
	11	20
	13	4
	24	11
	79	2

Parts No.	Fig. No.	Ref. No.
172137-16560	9	29
	11	21
	13	6
172137-37850	18	17
		38
172137-70490	47	10
172137-70570	47	11
172137-70580	47	12
172137-74520	50	11
		27
	51	24
	52	8
		23
	53	24
	54	8
		21
	55	8
172137-81300	74	3
	75	2
172137-84451	75	5
172137-86240-4	76	4
	78	4
		23
172141-03160	81	2
172141-03202	1	19
	3	5
172141-03390	81	3
172141-41340	22	1
172141-41360	26	2
	27	4
	28	19
172141-41370	21	2
	22	3
		6
		19
	26	7
	29	7
172141-64350	35	13
172141-64370	35	4
172141-70110	46	10
172141-70150	46	12
172141-70160	46	13
172141-70290	46	70
172141-70310	46	71
172141-70370	46	5
		90
172141-70410	46	81
172141-70420	46	82
172141-70440	46	83
		91

Parts No.	Fig. No.	Ref. No.
172141-70450	46	6
172141-72561	40	9
		17
172141-72580	42	14
	44	14
	45	14
172141-76180	61	9
	62	5
	69	6
	70	7
172141-76920	61	12
172141-77260	47	36
172141-77400	47	51
172141-77800	71	3
172141-82270	73	4
	74	6
172141-84601	72	15
	73	8
172142-03302	1	29
	3	12
172142-62300	34	6
172142-72560	43	8
172142-73800	48	3
172142-76950-4	66	11
172142-78810	68	14
	69	17
172146-12150	7	4
172146-45630	26	30
172146-72211	40	16
172146-82910	72	13
172147-70120	46	11
172147-70220	46	3
172147-76180	64	3
172148-70301	46	4
		14
172148-71580	46	49
172148-73350	47	13
172148-73870	48	5
172149-57610	32	9
172149-57620	32	10
172149-57630	32	11
172149-72440	41	9
		19
	42	16
		19
	44	17
		20
172149-83220	75	10
	76	11
	78	11

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Parts No.	Fig. No.	Ref. No.
172151-03551	1	41
	58	19
172151-45010	23	2
172156-17401	16	1
172156-17420	16	3
172157-03170	1	11
	2	6
172157-13150	8	3
172157-45840	79	10
172157-45990	26	23
	28	10
172157-70630	50	4
	51	2
	52	2
		16
	54	2
	55	2
172157-70640	50	5
	51	3
	52	3
		17
	54	3
	55	3
172157-70690	50	6
		20
	51	14
	52	4
		18
	53	17
	54	4
		14
172157-70700	55	4
	50	7
		21
	51	4
		15
	52	5
		19
	53	18
	54	5
		15
	55	5
172157-70720	50	8
	51	16
172157-70820	50	9
	51	5
	52	6
		20
	54	6
	55	6

Parts No.	Fig. No.	Ref. No.
172157-73910	48	12
172157-76150	61	8
172157-76220	66	3
172157-76300	60	3
172162-14200	10	4
172162-15310	9	10
172162-46690	21	18
	27	7
172162-61850	13	9
172162-70780	46	7
172162-76320	64	4
172164-03510	1	32
	3	15
172164-03540	1	16
	3	16
172164-13520	35	8
172164-45951	22	8
172164-45961	22	9
172164-45970	24	4
172164-65580	37	5
172164-66170	36	18
	37	13
172165-03240	1	43
172165-45071	23	5
172165-45970	20	6
172165-46340	26	24
	28	11
172165-47550	21	20
172165-47871	23	6
172165-47980	21	8
172165-47990	21	9
172165-82520	72	3
172165-82530	72	4
172165-82580	72	5
172165-82590	72	6
172165-82600	72	7
172168-65790	9	14
172168-71880	46	72
172168-71890	46	73
172168-71900	46	74
172168-71910	46	75
172168-71920	46	76
172168-71950	46	8
172168-72410	43	13
172168-73580	47	17
172168-73590	47	19
172168-73600	47	21
172171-13461	11	2
172171-54750	32	4
172171-72130	40	14

Parts No.	Fig. No.	Ref. No.
172171-72130	41	7
	43	7
172173-03250	1	25
172173-38200	19	7
172173-38210	19	8
172173-38220	19	9
172173-38300	19	10
172173-72550	40	25
	41	21
	42	10
	44	10
	45	10
172173-73510	47	14
172173-73520	47	15
172173-73570	47	16
172173-73580	47	18
172173-73590	47	20
172173-73600	47	22
172173-73690	47	23
172173-73700	47	24
172173-76101	67	1
	69	3
	70	4
172173-76121	61	4
		6
172175-16110	12	4
172176-07330	5	1
172176-67790	35	15
	37	7
172176-68210	73	19
172183-03250	1	26
172183-03280	1	39
	2	15
172183-11400	6	3
172183-13250-1	8	7
172183-13250-2	8	7 -1
172183-14250	10	11
172183-14640	9	27
172183-16550	14	1
172183-16560	23	1
172183-16640	13	18
172183-45700	9	11
172183-71101	39	1
172183-71101-1	39	1 -1
172183-73510	46	31
		93
172183-73520	46	32
172183-73560	46	33
172183-73570	46	34
172183-73660	46	35

Parts No.	Fig. No.	Ref. No.
172183-73670	46	58
172183-73770	46	52
172183-73780	46	59
172183-73870	46	60
172183-74350	49	7
	52	22
	53	10
	55	16
172183-74820-4	66	1
172183-74821-2	66	1 -1
172183-76200	61	11
	62	7
172183-76250	66	8
172183-81160	74	15
172186-72480	40	29
172186-76390	63	16
	64	23
172187-14430	9	24
172187-16560	22	22
172187-17070	14	3
172187-17080	14	4
172187-17090	14	5
172187-17100	14	2
172187-17280	15	3
172187-17320	15	5
172187-17341	15	7
172187-17350	15	8
172187-17360	15	9
172187-17371	15	10
172187-17380	15	11
172187-17470	15	15
172187-17480	15	16
172187-17560	15	18
172187-17570	15	19
172187-45530	26	4
	28	21
172187-45651	26	21
	28	7
172187-45760	22	31
	26	22
	28	8
172187-61421	35	9
	36	2
172187-63160	38	2
172187-76160	63	12
172312-74790	46	61
172312-77820	71	4
172421-73380	46	84
172421-73400	46	40
172422-73130	39	47

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172422-73140	39	7
172422-73160	39	8
172422-73170	39	59
172422-73220	39	11
172422-73240	39	12
172422-73280	39	13
172422-73290	39	14
172422-73500	39	15
172422-73510	39	60
172422-73520	39	16
172422-73530	39	17
		18
172422-73540	39	19
172422-73550	39	20
		28
172422-73560	39	21
172422-73570	39	61
172422-73580	39	24
172422-73590	39	25
172422-73610	39	26
172422-73620	39	29
172422-73630	39	30
172422-73640	39	32
172422-73650	39	34
172422-73660	39	35
172422-73670	39	36
172437-03242	2	11
172437-03250	2	13
	4	1
172437-03251	2	13 -1
	4	1 -1
172437-03252	2	13 -2
	4	1 -2
172437-03301	2	17
	4	2
172437-03302	2	17 -1
	4	2 -1
172437-03311	2	18
	4	3
172437-03312	2	18 -1
	4	3 -1
172437-03322	2	19
	4	4
172437-03342	2	21
	4	6
172437-03343	2	21 -1
	4	6 -1
172437-03352	2	22
	4	7
172437-03361	2	23

Parts No.	Fig. No.	Ref. No.
172437-03361	4	8
172437-03372	2	24
	4	9
172437-03381	2	25
	4	10
172437-03391	2	26
	4	11
172437-03402	2	27
	4	12
172437-03422	2	29
	4	14
172437-03432	2	30
	4	15
172437-03461	2	31
	4	16
172437-03471	2	32
	4	17
172437-03501	2	33
172437-03511	1	33
		33 -1
	2	35
172437-03530	2	37
172444-03170	1	12
	3	1
172444-03181	1	14
	3	3
172444-03210	1	21
	3	7
172444-03240	1	24
	3	10
172444-03250	1	27
172444-03280	1	28
	3	11
172444-03290	1	40
	58	18
172444-13210	9	1
172444-13220	9	2
172444-14200	10	5
172444-14270	10	22
172444-14410	10	25
172444-14450	10	6
172444-14460	10	7
172444-14470	10	8
172444-14480	10	9
172444-14490	10	10
172444-17620	33	16
172444-65680	9	13
	35	18
172446-03210	1	22
	3	8

Parts No.	Fig. No.	Ref. No.
172446-03220	1	23
	3	9
172446-03652	2	41
	4	18
172446-13330	9	5
172446-14250	10	19
	34	3
172446-45950	25	5
172446-73871	48	8
172446-73872	48	8 -1
172446-73890	48	11
172446-73900	48	2
172446-75250	59	12
172447-17150	14	15
172447-57600	32	7
172447-72790-2	44	22
172447-72790-3	44	22 -1
172447-73840	48	4 -1
172447-74200	55	15
172447-74221	50	29
	53	14
172447-74230	50	17
		30
	53	15
172447-74250	49	6
172447-74300	51	22
	53	9
172447-74310	51	23
172447-74380	55	17
172447-75290	59	18
172447-75600	59	13
172447-76210	63	15
	68	3
	70	2
172448-03130	1	4
172448-03140	1	6
172448-03150	1	8
	2	3
172448-03160	1	10
172448-03170	1	13
	3	2
172448-03180	1	15
	2	7
172448-03190	1	17
	3	4
172448-03521	2	36
172448-03531	2	38
172448-03540	2	39
172448-08310	79	1
172448-08330	37	27

Parts No.	Fig. No.	Ref. No.
172448-08510	80	1
172448-08530	81	1
172448-08700	83	1
172448-11500	6	10
172448-11510	6	11
172448-11520	6	16
172448-11540	6	18
172448-12100	7	2
172448-12100-1	7	2 -1
172448-12130	7	3
172448-13210	8	4
172448-13220	8	5
172448-13231	8	6
172448-13260	8	8
172448-13300	8	9
172448-13400	9	16
172448-13500	9	17
172448-13510	9	18
172448-13520	9	19
172448-13540	9	21
172448-13560	9	23
172448-14150	10	14
172448-14180	10	16
172448-14300	10	20
172448-14340	10	23
172448-14610	11	4
172448-14630	11	8
172448-14650	11	12
172448-14670	11	16
172448-14690	10	27
172448-16130	12	5
172448-16150	12	6
172448-16160	12	7
172448-16550	13	5
172448-16590	79	5
172448-16600	79	3
172448-17200	14	10
172448-17250	79	6
172448-17400	16	4
172448-29100	17	1
172448-29100-2	17	1 -1
172448-29110	17	3
172448-29110-1	17	3 -1
172448-37100	18	3
172448-37100-2	18	3 -1
172448-37110	18	4
		24
		25
172448-37130	18	5
		5 -1
172448-37130-2	18	5 -1

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Parts No.	Fig. No.	Ref. No.
172448-37130-2	18	25 -1
172448-37140	18	6
		26
172448-37140-2	18	6 -1
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