

0CS10-G49500

P R E F A C E

1. This Parts Catalog carries Yanmar excavator (crawler back-hoe) VI017 for U.S.A., Australia and New Zealand.

2. Parts catalog history

		Parts catalog NO.	Published	Remarks
1st edition	Vehicle	000Y00S4950	Jul., 2007	
	Engine	000Y00B7530		

3. Model name

SECTION	Column	Model name	M/#	Manufactured
I (Vehicle)	(A)	VI017 P(US)	00504	2007/08
	(B)	VI017 P(AS)	00519	2007/07
	(C)	VI017 P(NZ)	00514	2007/08
II (Engine)	(A)	3TNV70-XBV	15876	2007/05

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.

Directions for the Parts Catalog.

1. The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601		29. FUEL INJECTION PUMP(W/BOOST)									
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4		K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	CAMSHAFT	1	1	1	1	1			
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2			
6	2	129470-51060	RETAINER	1	1	1	1	1			

Remarks

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

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Mark

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks Mark

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

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

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➔

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➔

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➔

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➔

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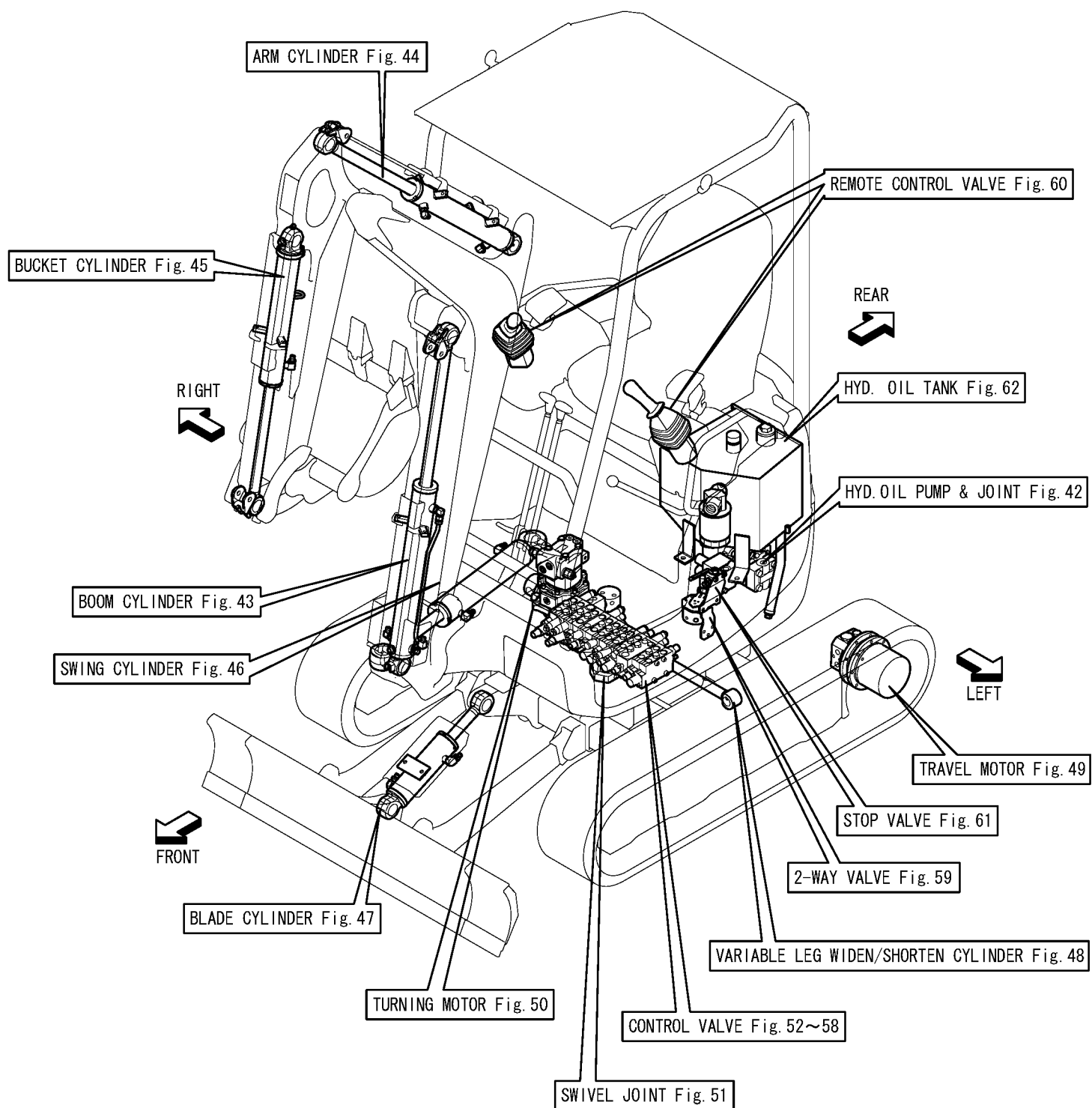
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PC NO : 0CS10-G49500

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5.	ACCELERATOR LEVER
6.	ENGINE MOUNT
7.	RADIATOR & MOUNT
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9.	FUEL LINE
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13.	ELECTRIC PART(START SWITCH)
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17.	IDLER & ADJUST
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20.	CONTROL EQUIPMENT(LOCK LEVER & STAND)(LEFT)
21.	CONTROL EQUIPMENT(TRAVEL LEVER
22.	CONTROL EQUIPMENT(BLADE LEVER)
23.	CONTROL EQUIPMENT(VARIABLE LEG LEVER)
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26.	CONTROL EQUIPMENT(P.T.O. PEDAL)
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28.	CONTROL VALVE PLATE
29.	TRACK FRAME

Fig.No.	GROUP NAME
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32.	COVER(TURNING FRAME UNDER)
33.	COVER(HOSE)
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44.	ARM CYLINDER
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47.	BLADE CYLINDER
48.	VARIABLE LEG WIDEN / SHORTEN CYLINDER
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50.	TURNIG MOTOR
51.	SWIVEL JOINT(Y SPEC.)
89.	(51A)SWIVEL JOINT(N SPEC.)
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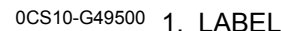
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PC NO : 0CS10-G49500

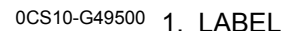
Fig.No. GROUP NAME

- 59. 2-WAY VALVE
- 60. REMOTE CONTROL VALVE
- 61. STOP VALVE
- 62. HYD.OIL TANK
- 63. HYD.OIL PIPING(PUMP)
- 64. HYD.OIL PIPING(LOWER)
- 65. HYD.OIL PIPING(SWIVEL JOINT)
- 66. HYD.OIL PIPING(IMP)
- 67. HYD.OIL PIPING(TURNING MOTOR)
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- 69. HYD.OIL PIPING(RESERVOIR)
- 70. HYD.OIL PIPING(RETURN)
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- 77. BOOM
- 78. ARM
- 79. BUCKET ARM & LINK
- 80. BUCKET
- 81. BLADE
- 82. SWIVEL JOINT EXCHANGE KIT
- 83. SWIVEL JOINT HOSE EXCHANGE KIT
- 84. WEIGHT KIT(OPTIONAL)
- 85. SPROCKET & ROLLER(IRON CRAWLER SPEC.)
- 86. 4-WAY VALVE
- 87. CONTROL PIPING(2 : 4-WAY SPEC.)
- 88. CA LABEL KIT(OPTIONAL)

Fig.No. GROUP NAME

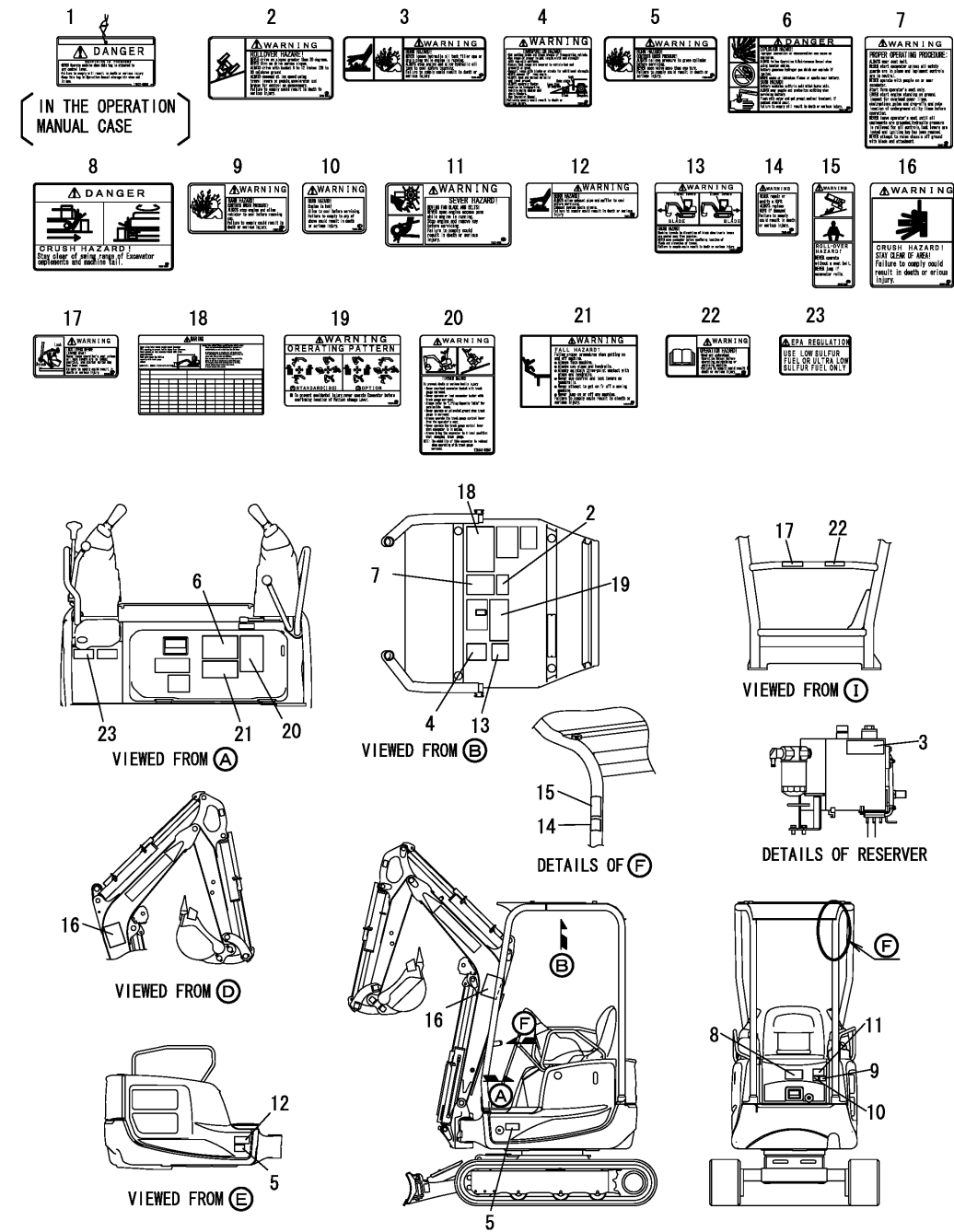


N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
 ++ CONTINUE ++
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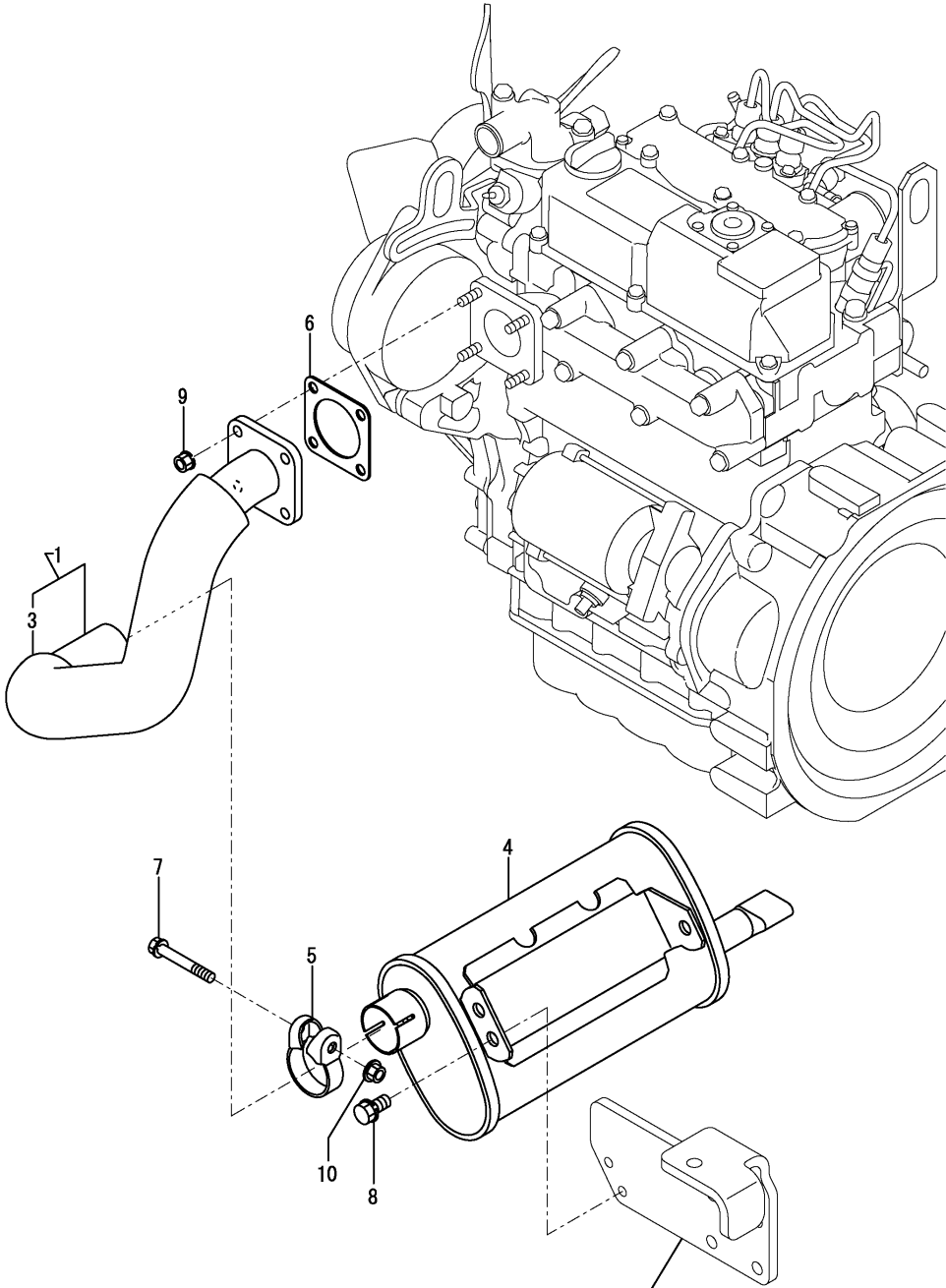
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. SAFETY LABEL



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172437-03252	TAG ASSY, CAUTION	1	1	1	1				
2	1	172437-03312	LABEL,SLOPE US	1	1	1	1				
3	1	172437-03322	LABEL, HYD.OIL TANK	1	1	1	1				
4	1	172437-03343	LABEL, TRANSPORT US	1	1	1	1				
5	1	172437-03352	LABEL, GREASE CYL.	2	2	2	2				
6	1	172437-03361	LABEL, BATTERY US	1	1	1	1				
7	1	172437-03372	LABEL, NEUTRAL US	1	1	1	1				
8	1	172A64-03380	LABEL,SWING AREA US	1	1	1	1				
9	1	172437-03391	LABEL, RADIATOR US	1	1	1	1				
10	1	172437-03402	LABEL, ENG,COVER US	1	1	1	1				
11	1	172A36-03411	LABEL, ENG ROOM	1	1	1	1				
12	1	172437-03422	LABEL, MUFFLER US	1	1	1	1				
13	1	172437-03432	LABEL, STEERING US	1	1	1	1				
14	1	172437-03441	LABEL, ROPS US	1	1	1	1				
15	1	172437-03451	LABEL, SEAT BELT US	1	1	1	1				
16	1	172437-03461	LABEL, BOOM US	2	2	2	2				
17	1	172437-03471	LABEL, LEVER LOCK US	1	1	1	1				
18	1	172A64-03560	LABEL,LIFT US	1	1	1	1				
19	1	172437-03601	LABEL, 2-WAY US	1	1	1	1				
20	1	172446-03652	LABEL, VARIABLE US	1	1	1	1				
21	1	172472-03141	LABEL, SUPPORT US	1	1	1	1				
22	1	172437-03302	LABEL, MANUAL US	1	1	1	1				
23	1	114110-07760	LABEL, FUEL OIL NOTI	1	1	1	1				W
(A)=M/# 01435) (B)=M/# 01435) (C)=M/# 01435) (D)=M/# 01435)											

OCS10-G49500
Fig.3. SILENCER

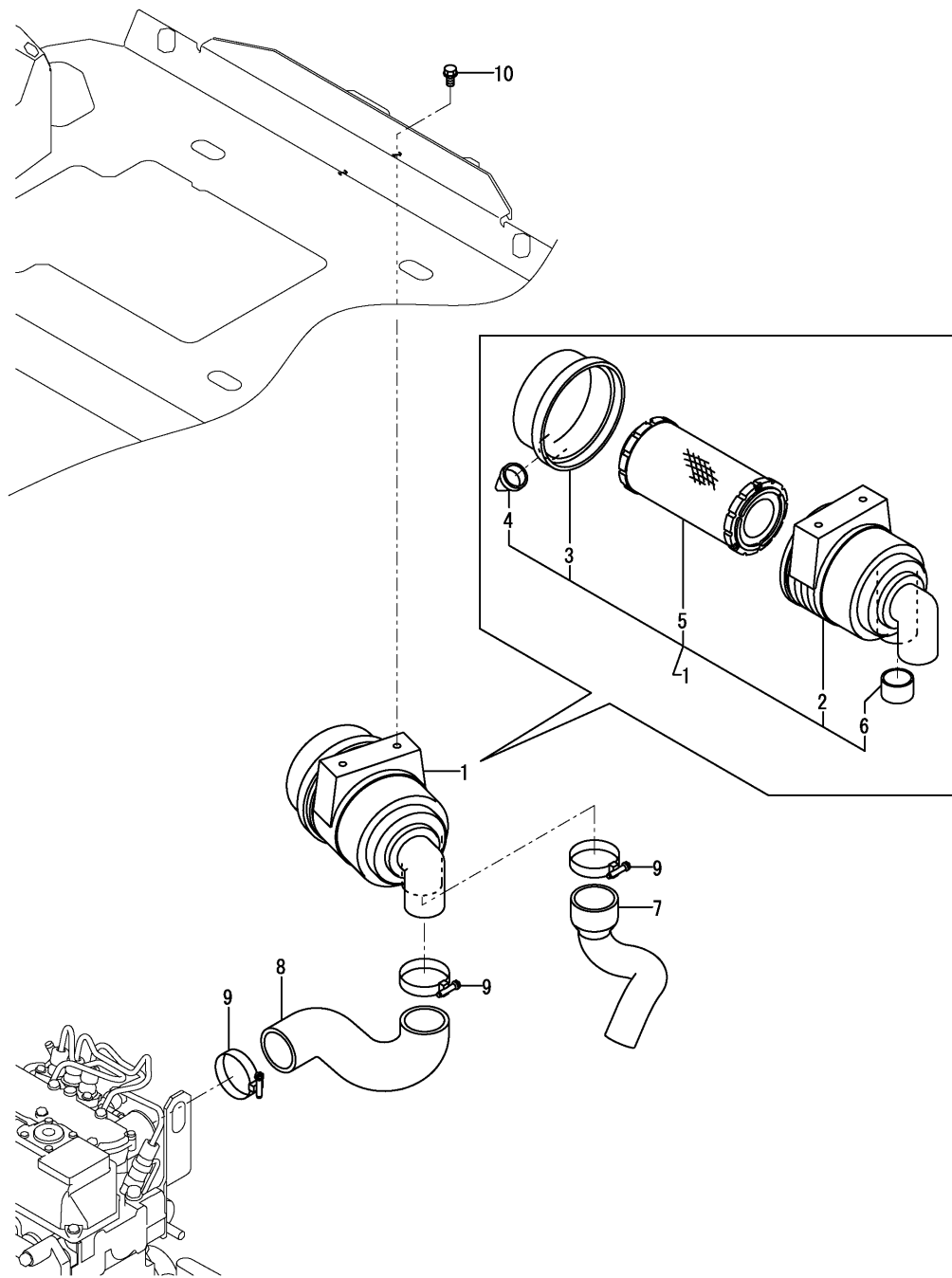


REFER TO Fig. 6

OCS10-G49500 3. SILENCER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-11310	PIPE ASSY, INLET	1	1	1	1				
3	2	172183-11400	INSULANT,THERMAL	1	1	1	1				
4	1	172A64-11330	SILENCER ASSY	1	1	1	1				
5	1	172A64-11340	CLUMP	1	1	1	1				
6	1	124701-11911	GASKET, SILENCER	1	1	1	1				
7	1	26013-080552	BOLT M 8X 55	1	1	1	1				
8	1	26013-100162	BOLT M10X 16	3	3	3	3				
9	1	26051-080002	NUT M 8	4	4	4	4				
10	1	26366-080002	NUT M 8	1	1	1	1				

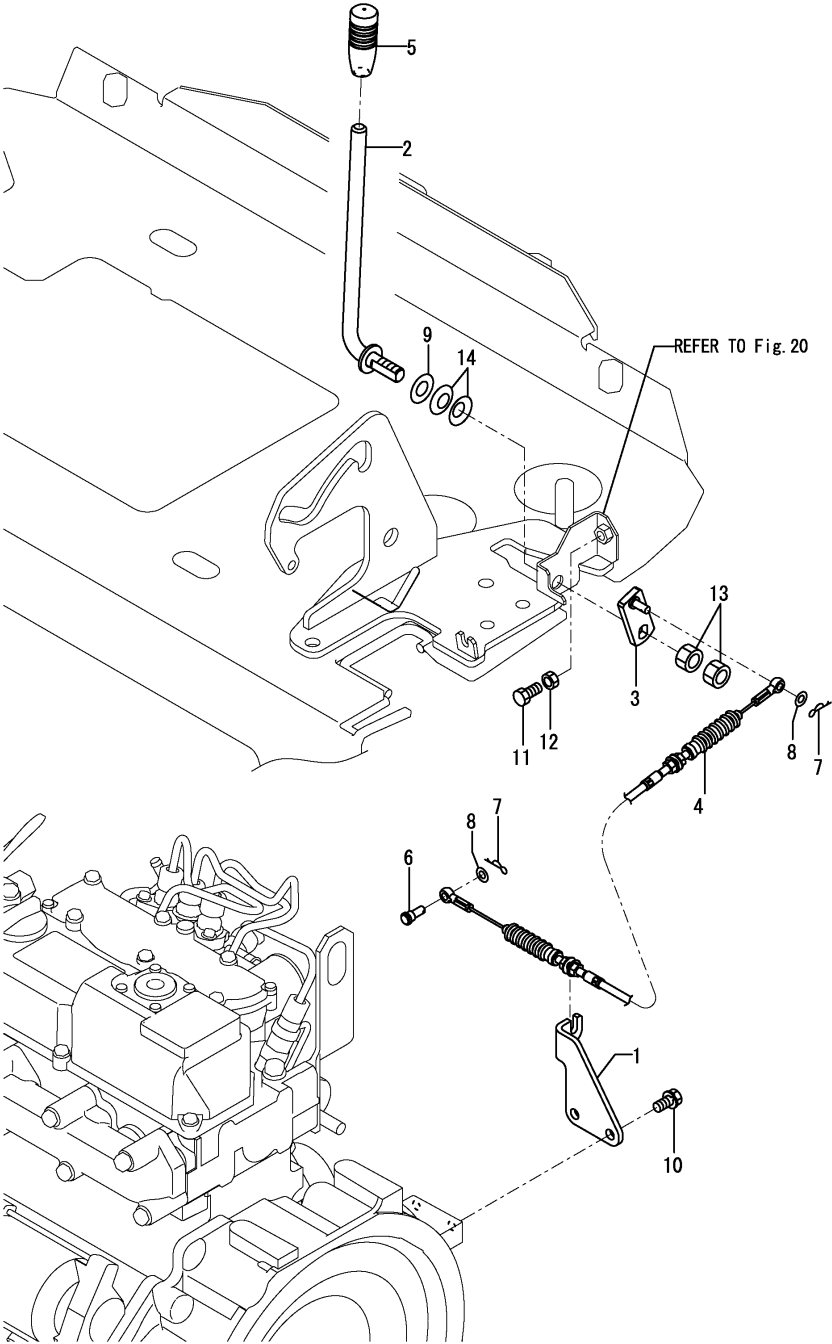
Fig.4. AIR CLEANER



0CS10-G49500 4. AIR CLEANER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-11500	AIR CLEANER	1	1	1	1				
2	2	172448-11510	BODY	1	1	1	1				
3	2	119258-12530	COVER ASSY.	1	1	1	1				
4	2	119808-12540	VALVE, UNLOADER	1	1	1	1				
5	2	119655-12560	ELEMENT	1	1	1	1				
6	2	105027-12580	RING	1	1	1	1				
7	1	172A64-11520	HOSE, AIR CLEANER	1	1	1	1				
8	1	172A64-11530	HOSE, AIR CLEANER	1	1	1	1				
9	1	23000-060000	CLAMP 60	3	3	3	3				
10	1	26013-080162	BOLT W/WASHER M8X16	2	2	2	2				

Fig.5. ACCELERATOR LEVER

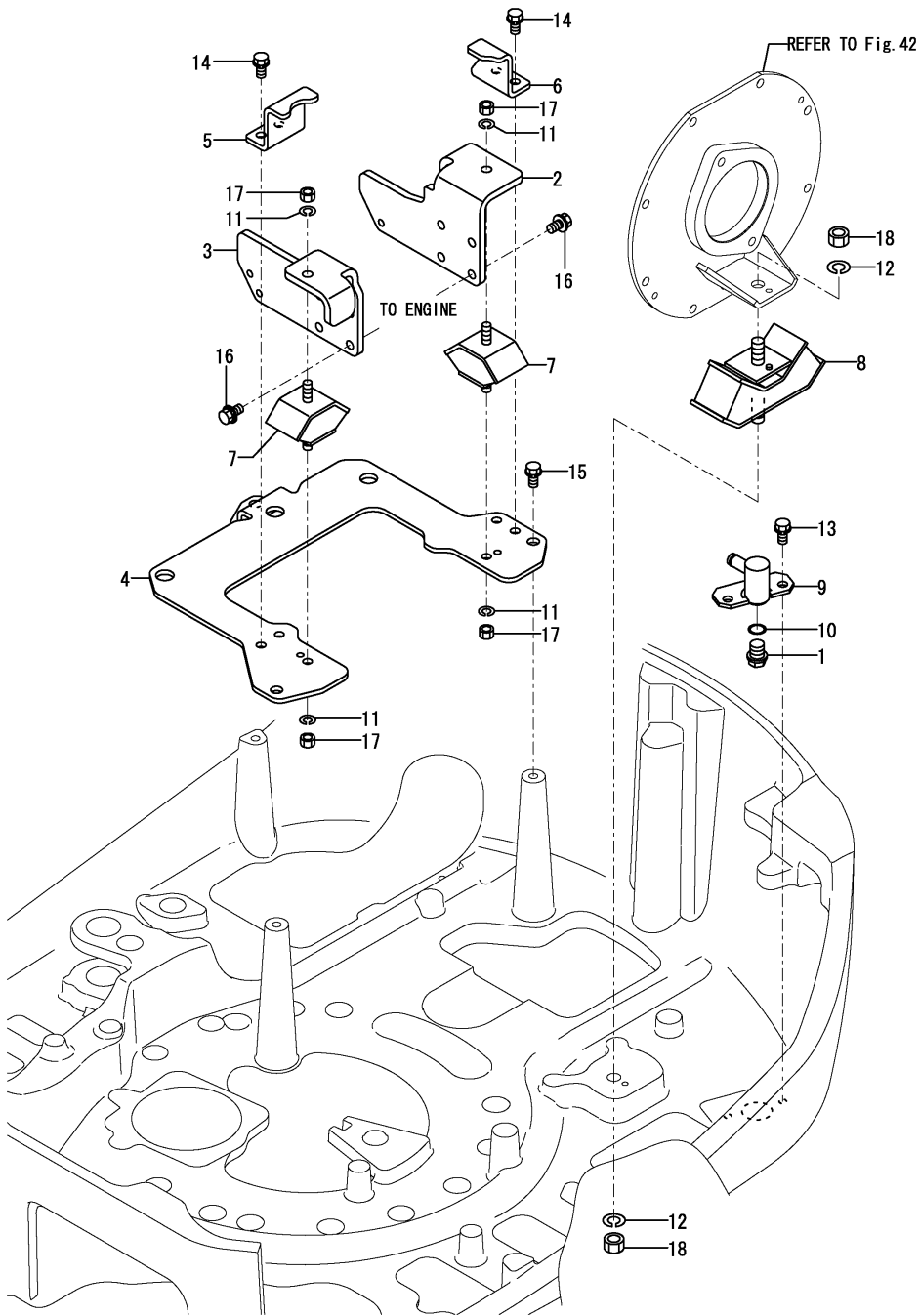


OCS10-G49500 5. ACCELERATOR LEVER

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-12100	BRACKET,WIRE	1	1	1	1				
2	1	172A64-12140	LEVER ASSY,ACCEL	1	1	1	1				
3	1	172A64-12180	ARM ASSY,ACCEL	1	1	1	1				
3-1	1	172A64-12181	ARM ASSY,ACCEL	1	1	1	1			N	
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
4	1	172A64-12200	CABLE, ACCELERATOR	1	1	1	1				
5	1	172498-12250	GRIP,ACCEL	1	1	1	1				
6	1	172113-12522	PIN	1	1	1	1				
7	1	1C6281-52310	PIN 6,COME-OFF SNAP	2	2	2	2				
8	1	22137-060000	WASHER 6, POLISHED	2	2	2	2				
9	1	22137-120000	WASHER 12,POLISHED	1	1	1	1				
9-1	1	172653-73200	WASHER 12.5X26	1	1	1	1			N	
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
10	1	26013-080162	BOLT W/WASHER M8X16	2	2	2	2				
11	1	26116-080252	BOLT M 8X 25 PLATED	1	1	1	1				
12	1	26716-080002	NUT M 8	1	1	1	1				
13	1	26756-120002	LOCK NUT 12	2	2	2	2				
14	1	933170-01490	SPRING 12	2	2	2	2				

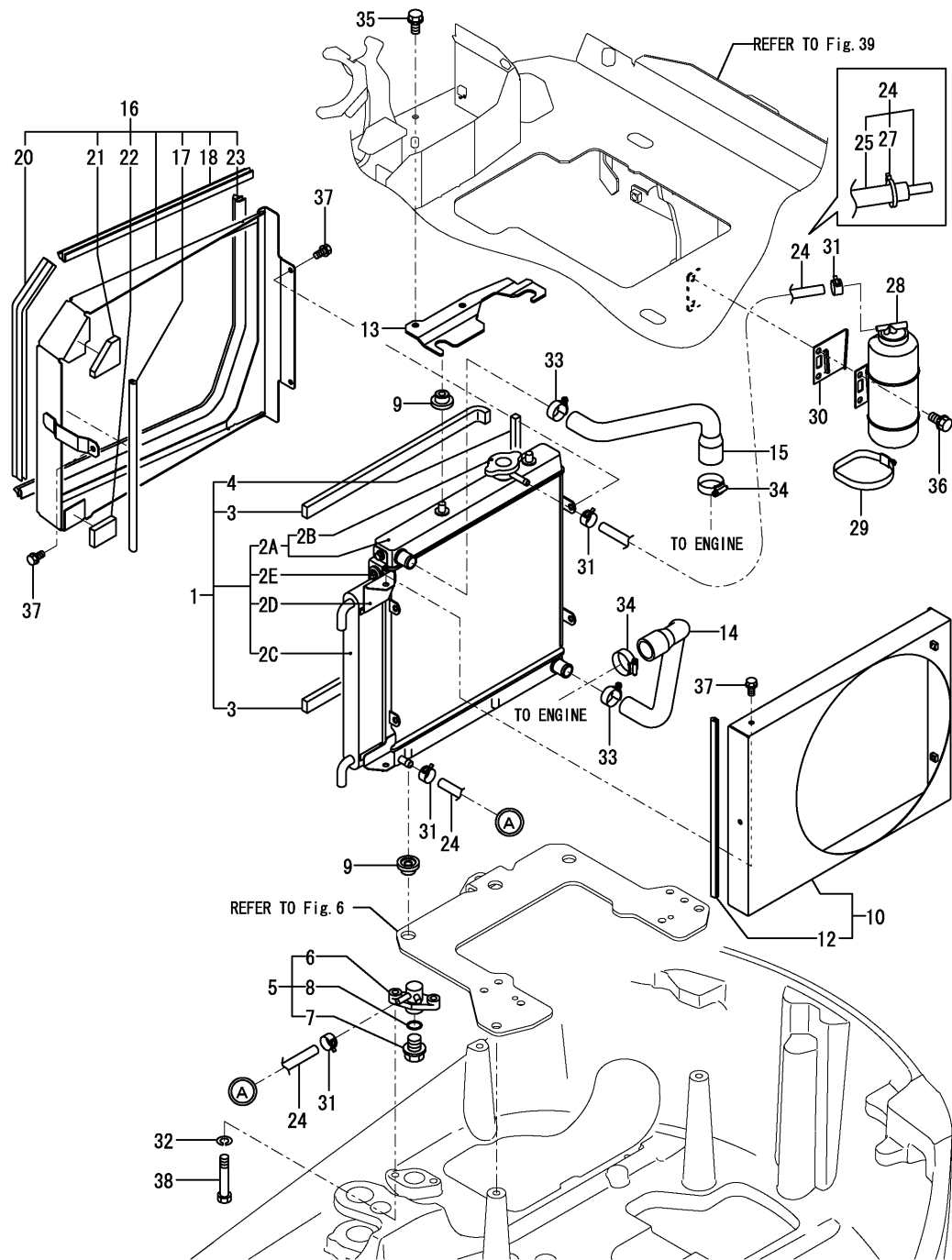
Fig.6. ENGINE MOUNT



OCS10-G49500 6. ENGINE MOUNT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	105425-01690	PLUG M16	1	1	1	1				
2	1	172A64-13100	MOUNT FL,ENGINE	1	1	1	1				
3	1	172A64-13110	MOUNT FR,ENGINE	1	1	1	1				
4	1	172A64-13120	MOUNT ASSY,ENGINE	1	1	1	1				
5	1	172A64-13150	STOPPER F	1	1	1	1				
6	1	172A64-13160	STOPPER R	1	1	1	1				
7	1	172179-13211	RUBBER, ANTI VIBRAT.	2	2	2	2				
8	1	172447-13260	ABSOBER,SHOCK 290K	1	1	1	1				
9	1	172A55-13700	BLOCK ASSY, DRAIN	1	1	1	1				
10	1	22190-160002	SEAL WASHER 16S	1	1	1	1				
11	1	22217-100000	SPRING WASHER 10	4	4	4	4				
12	1	22217-140000	SPRING WASHER 14	2	2	2	2				
13	1	26013-100202	BOLT W/WASHER M10X20	2	2	2	2				
14	1	26013-100252	BOLT W/WASHER M10X25	4	4	4	4				
15	1	26013-100252	BOLT W/WASHER M10X25	3	3	3	3				
16	1	26014-100252	BOLT 10X25 W/PLW+SPW	8	8	8	8				
17	1	26716-100002	NUT 10	4	4	4	4				
18	1	26736-140002	NUT M14	2	2	2	2				

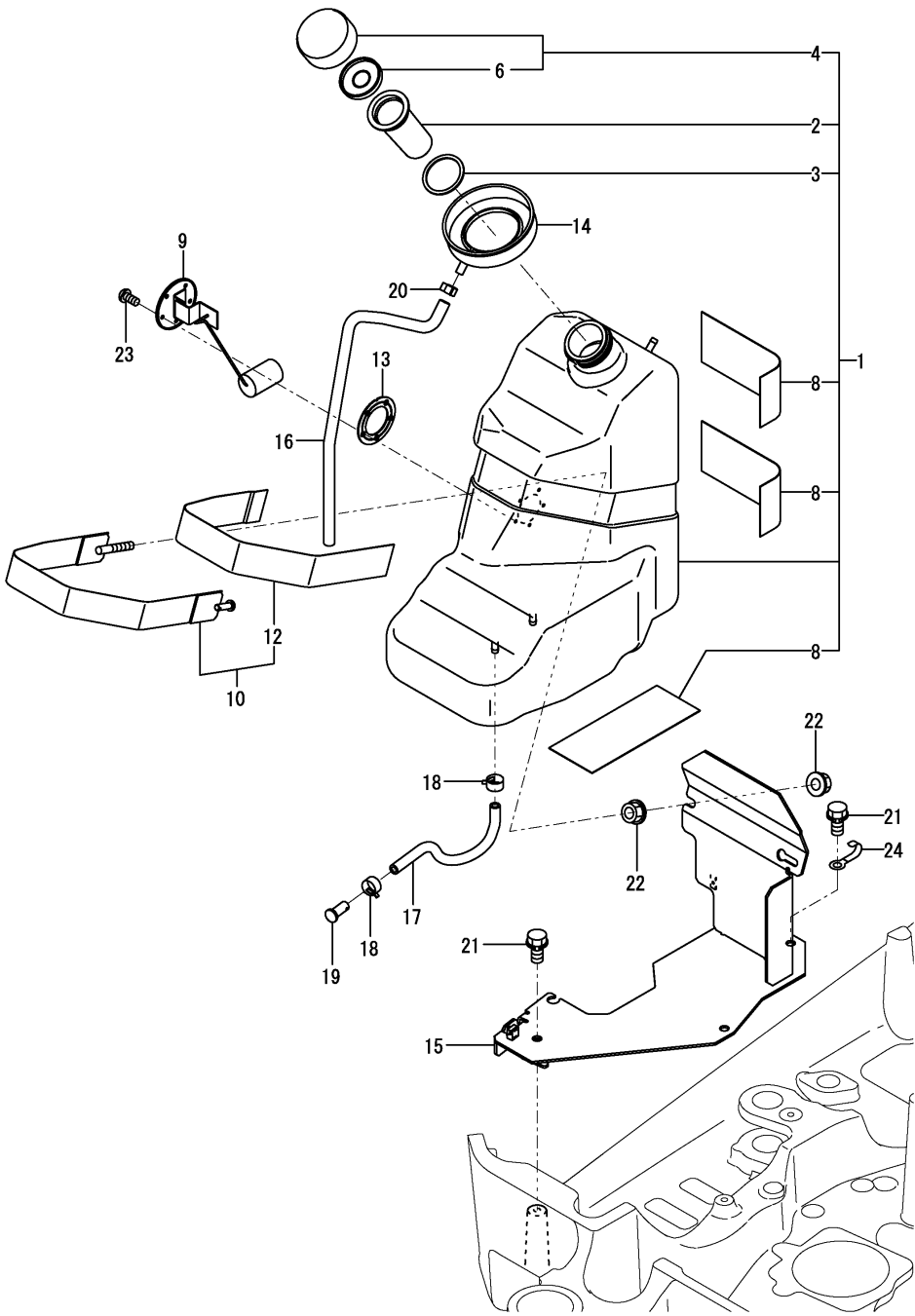
Fig.7. RADIATOR & MOUNT



OCS10-G49500 7. RADIATOR & MOUNT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-13190	RADIATOR ASSY	1	1	1	1				
2A	3	172A64-13210	RADIATOR ASSY	1	1	1	1			W	
(A)=MXXXXXX (B)=MXXXXXX (C)=MXXXXXX (D)=MXXXXXX											
2B	4	172446-13450	CAP, PRESSURE	1	1	1	1			W	
(A)=MXXXXXX (B)=MXXXXXX (C)=MXXXXXX (D)=MXXXXXX											
2C	3	172A64-13220	COOLER ASSY, OIL	1	1	1	1			W	
(A)=MXXXXXX (B)=MXXXXXX (C)=MXXXXXX (D)=MXXXXXX											
2D	3	172A64-13230	SUPPORT ASSY	1	1	1	1			W	
(A)=MXXXXXX (B)=MXXXXXX (C)=MXXXXXX (D)=MXXXXXX											
2E	3	26014-060122	BOLT M 6X 12	5	5	5	5			W	
(A)=MXXXXXX (B)=MXXXXXX (C)=MXXXXXX (D)=MXXXXXX											
3	2	172A64-13310	SEAL A	2	2	2	2				
4	2	172A64-13320	SEAL B	1	1	1	1				
5	1	172444-13210	COCK ASSY,2-WAY	1	1	1	1				
6	2	172444-13220	BODY	1	1	1	1				
7	2	121250-49121	PLUG	1	1	1	1				
8	2	24311-000160	O-RING 1A P-16.0	1	1	1	1				
9	1	172446-13330	ABSOBER,SHOCK	4	4	4	4				
10	1	172A64-13360	SHROUD ASSY(OC	1	1	1	1				
12	2	172456-13480	RUBBER 315	1	1	1	1				
13	1	172A64-13400	BRACKET ASSY,UP	1	1	1	1				
14	1	172A64-13510	PIPE, WATER	1	1	1	1				
15	1	172A64-13520	PIPE, WATER	1	1	1	1				
16	1	172A64-13700	DUCT ASSY,OC(GRAY49)	1	1	1	1				
17	2	172638-06710	RUBBER, CUSHION 300	1	1	1	1				
18	2	172A64-13680	SEAL C	1	1	1	1				
20	2	172A64-13760	SEAL A,OC	1	1	1	1				
21	2	172A64-13770	SEAL B,OC	1	1	1	1				
22	2	172A64-13780	SEAL C,OC	1	1	1	1				
23	2	172A64-13790	SEAL D,OC	1	1	1	1				
24	1	172186-13810	HOSE ASSY	2	2	2	2				
25	2	172186-13820	TUBE, CORRUGATE	2	2	2	2				
27	2	933168-55770	BAND 146	4	4	4	4				
28	1	119813-44510	SUB-TANK ASSY	1	1	1	1				
29	1	124450-44550	CLAMP, SUB-TANK	1	1	1	1				
30	1	121256-44600	BRACKET, SUB-TANK	1	1	1	1				
31	1	124766-59050	CLAMP 12	4	4	4	4				
32	1	22217-080000	SPRING WASHER 8	2	2	2	2				
33	1	23001-025000	HOSE CLAMP 25	2	2	2	2				
34	1	23001-041000	CLIP 41,HOSE	2	2	2	2				
35	1	26013-080162	BOLT W/WASHER M8X16	2	2	2	2				
36	1	26013-080162	BOLT W/WASHER M8X16	2	2	2	2				
37	1	26014-060122	BOLT M 6X 12	5	5	5	5				
38	1	26116-080452	BOLT M 8X 45 PLATED	2	2	2	2				

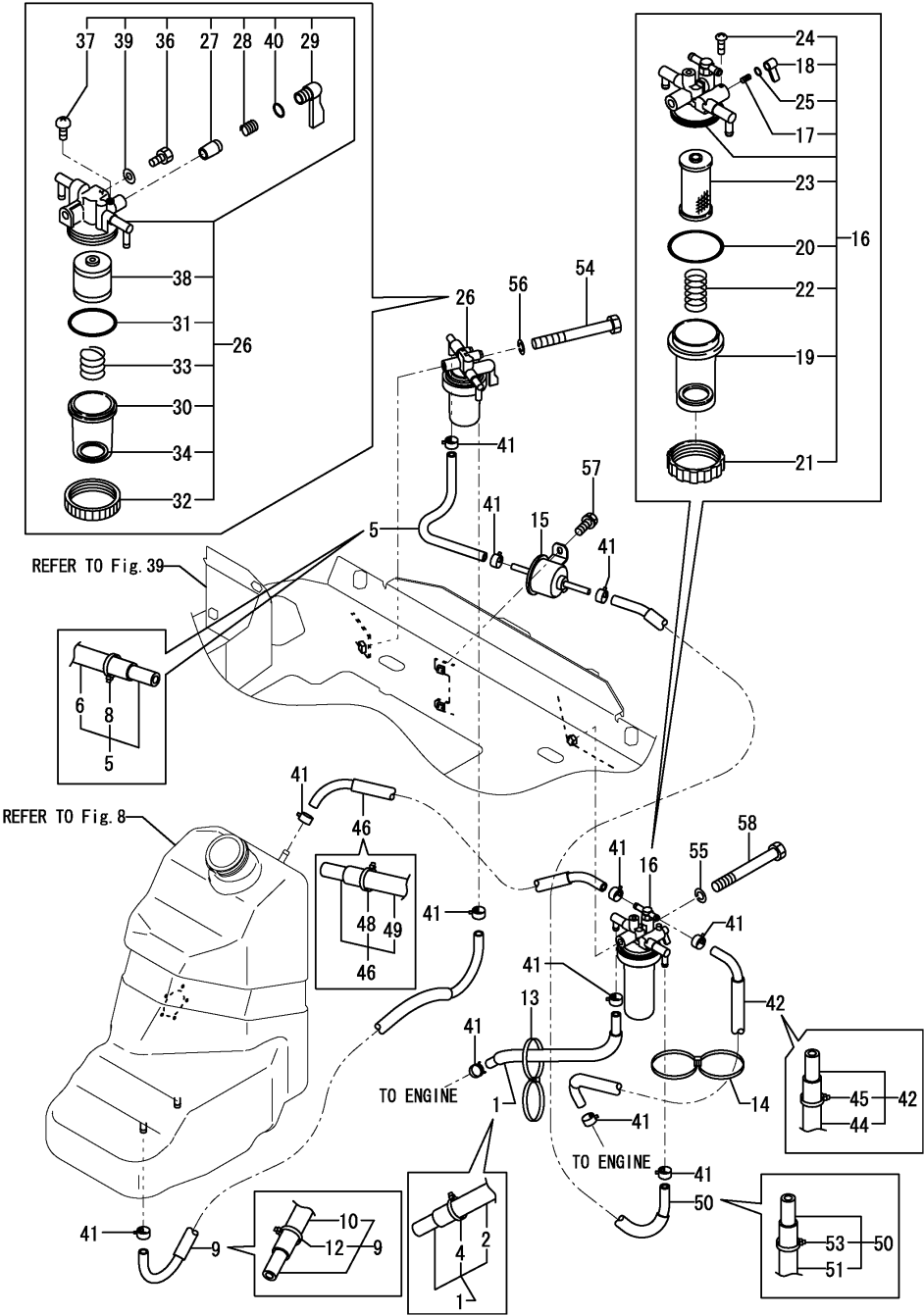
Fig.8. FUEL TANK



OCS10-G49500 8. FUEL TANK

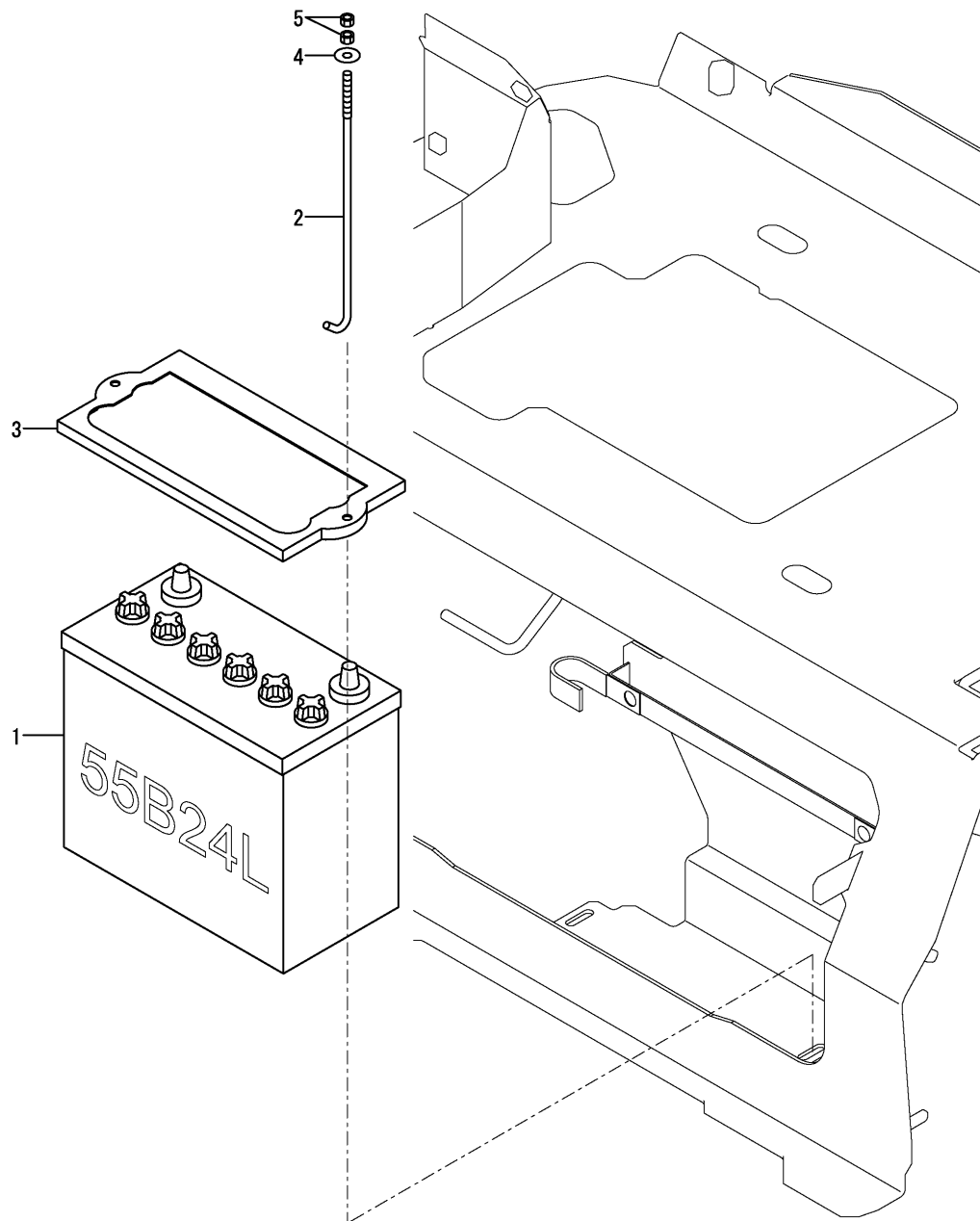
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-14110	TANK ASSY, FUEL	1	1	1	1				
2	2	194151-04141	STRAINER, FUEL	1	1	1	1				
3	2	194151-04150	GASKET	1	1	1	1				
4	2	194250-04301	CAP, TANK	1	1	1	1				
6	3	194250-04321	VALVE, VENT	1	1	1	1				
8	2	172A29-62900	RUBBER PLATE A	3	3	3	3				
9	1	172456-14151	GAUGE UNIT, FUEL	1	1	1	1				
10	1	172A64-14200	CLAMP ASSY, FUEL	1	1	1	1				
12	2	172A64-14230	PLATE, RUBBER	1	1	1	1				
13	1	172162-14200	GASKET	1	1	1	1				
14	1	172458-14370	SOUCER,FUEL OIL	1	1	1	1				
15	1	172A64-14410	MOUNT ASSY,FUEL OEL	1	1	1	1				
16	1	172455-14470	HOSE	1	1	1	1				
17	1	172171-14610	HOSE, FUEL OIL	1	1	1	1				
18	1	124766-59050	CLAMP 12	2	2	2	2				
19	1	22487-080160	PIN 8X 16	1	1	1	1				
20	1	23080-013000	CLAMP 13,HOSE	1	1	1	1				
21	1	26013-100202	BOLT W/WASHER M10X20	3	3	3	3				
22	1	26367-100002	U-NUT M10	2	2	2	2				
23	1	26557-050122	SCREW M 5X 12	5	5	5	5				
23-1	1	26022-050122	SCREW M 5X 12	5	5	5	5				N
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
24	1	172126-16540	CLAMP 10X70	1	1	1	1				

Fig.9. FUEL LINE



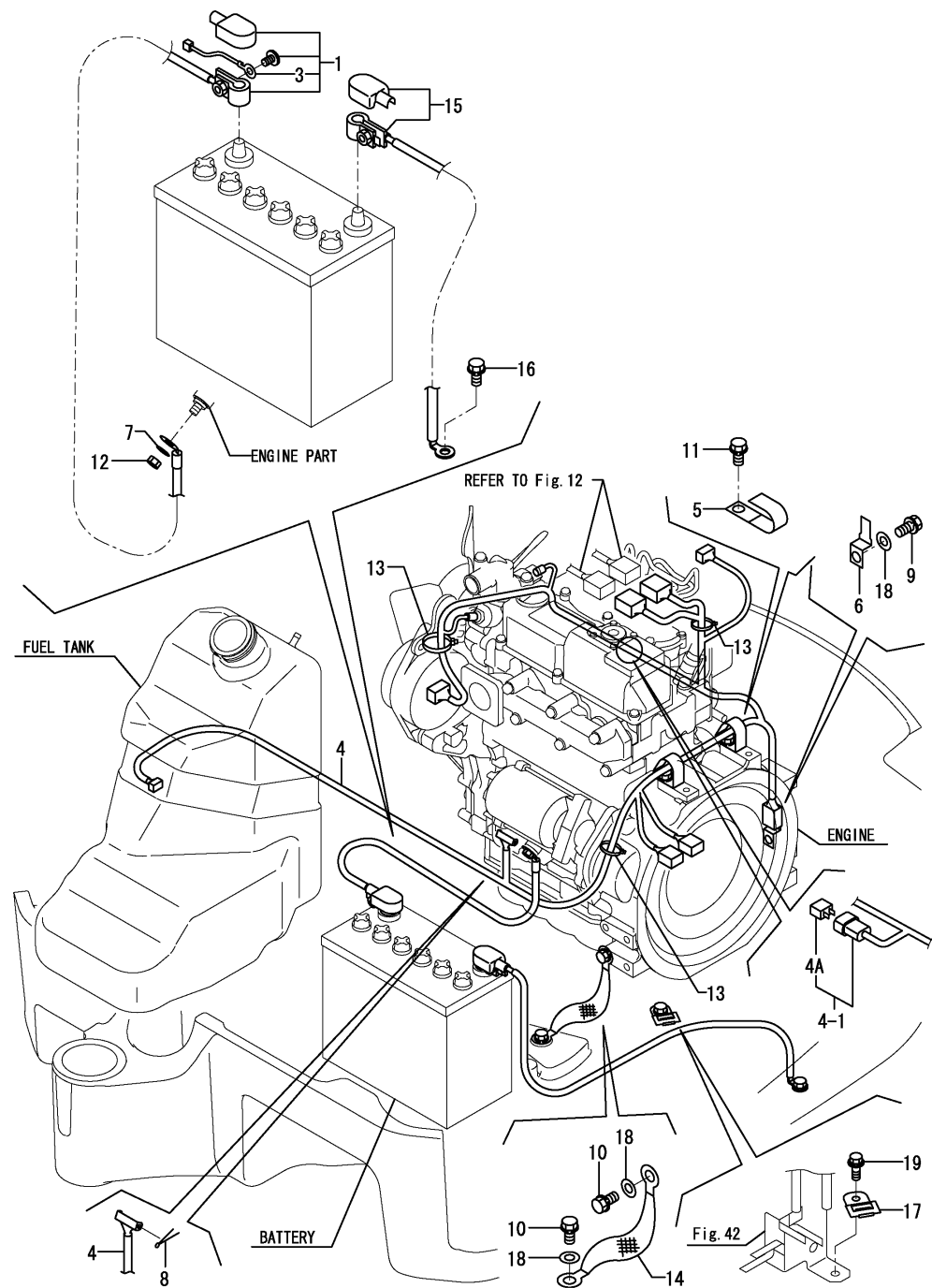
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172186-13810	HOSE ASSY	1	1	1	1				
2	2	172186-13820	TUBE, CORRUGATE	1	1	1	1				
4	2	933168-55770	BAND 146	2	2	2	2				
5	1	172A64-14250	HOSE, FUEL OIL	1	1	1	1				
6	2	172A64-14260	TUBE, CORRUGATE	1	1	1	1				
8	2	933168-55770	BAND 146	2	2	2	2				
9	1	172456-14610	HOSE, FUEL OIL	1	1	1	1				
10	2	172456-14620	TUBE, CORRUGATE	1	1	1	1				
12	2	933168-55770	BAND 146	2	2	2	2				
13	1	172137-16560	BAND	1	1	1	1				
14	1	172137-16560	BAND	2	2	2	2				
15	1	129612-52100	FUEL PUMP	1	1	1	1				
16	1	119833-55620	STRAINER ASSY, FUEL	1	1	1	1				
17	2	104200-55330	SPRING, TAPER VALVE	1	1	1	1				
18	2	119810-55340	LEVER	1	1	1	1				
19	2	121254-55510	CUP, STRAINER	1	1	1	1				
20	2	102103-55520	O-RING	1	1	1	1				
21	2	110250-55610	RING, RETAINING	1	1	1	1				
22	2	121250-55620	SPRING	1	1	1	1				
23	2	119810-55650	ELEMENT	1	1	1	1				
24	2	104200-55750	SCREW M 4	1	1	1	1				
25	2	24311-240100	O-RING 1A P-10A	1	1	1	1				
26	1	129335-55700	SEPARATOR, WATER	1	1	1	1				
27	2	104200-55321	VALVE, TAPER	1	1	1	1				
28	2	104200-55330	SPRING, TAPER VALVE	1	1	1	1				
29	2	104200-55341	HANDLE, COCK	1	1	1	1				
30	2	124064-55510	BOWL, FUEL STRAINER	1	1	1	1				
31	2	102103-55520	O-RING	1	1	1	1				
32	2	110250-55610	RING, RETAINING	1	1	1	1				
33	2	121257-55720	SPRING, SCREEN	1	1	1	1				
34	2	121257-55731	FLOAT	1	1	1	1				
36	2	101720-55750	PLUG 6	2	2	2	2				
37	2	104200-55750	SCREW M 4	1	1	1	1				
38	2	171081-55910	SCREEN	1	1	1	1				
39	2	23418-060000	GASKET 6, NYLON	2	2	2	2				
40	2	24311-240100	O-RING 1A P-10A	1	1	1	1				
41	1	124766-59050	CLAMP 12	12	12	12	12				
42	1	184015-59130	HOSE	1	1	1	1				
44	2	184015-59140	TUBE, CORRUGATE	1	1	1	1				
45	2	933168-55770	BAND 146	2	2	2	2				
46	1	184015-59250	HOSE	1	1	1	1				
48	2	184015-59260	TUBE, CORRUGATE	1	1	1	1				
49	2	933168-55770	BAND 146	2	2	2	2				
50	1	184014-59650	HOSE	1	1	1	1				
51	2	184014-59510	TUBE, CORRUGATE	1	1	1	1				
53	2	933168-55770	BAND 146	2	2	2	2				
54	1	26116-080652	BOLT M 8X 65 PLATED	1	1	1	1				
55	1	22217-080000	SPRING WASHER 8	1	1	1	1				
56	1	22217-080000	SPRING WASHER 8	1	1	1	1				
57	1	26014-060162	BOLT M 6X 16	2	2	2	2				
58	1	26116-080652	BOLT M 8X 65 PLATED	1	1	1	1				

N:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, Q:Old $\begin{smallmatrix} \text{No} \\ \text{Yes} \end{smallmatrix}$ New, R:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, S:Old $\begin{smallmatrix} \text{No} \\ \text{Yes} \end{smallmatrix}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
(C)Copyrights YANMAR CO.,LTD.



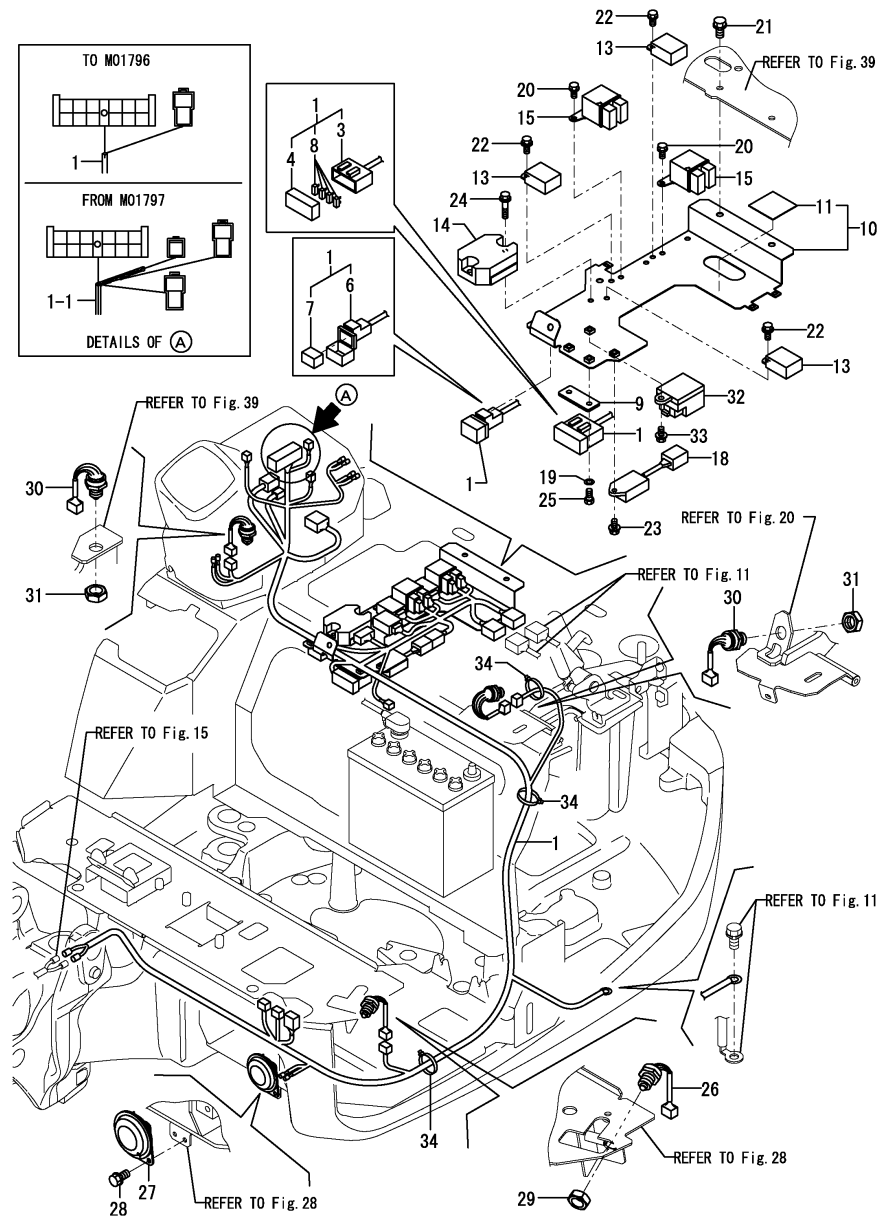
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-16110	BATTERY	1	1	1	1				
2	1	172725-16160	ROD, CLAMP	2	2	2	2				
3	1	194940-64750	CLAMP,BATTERY	1	1	1	1				
4	1	22157-060000	WASHER 6	2	2	2	2				
5	1	26716-060002	NUT 6	4	4	4	4				

Fig.11. ELECTRIC PART(ENGINE)



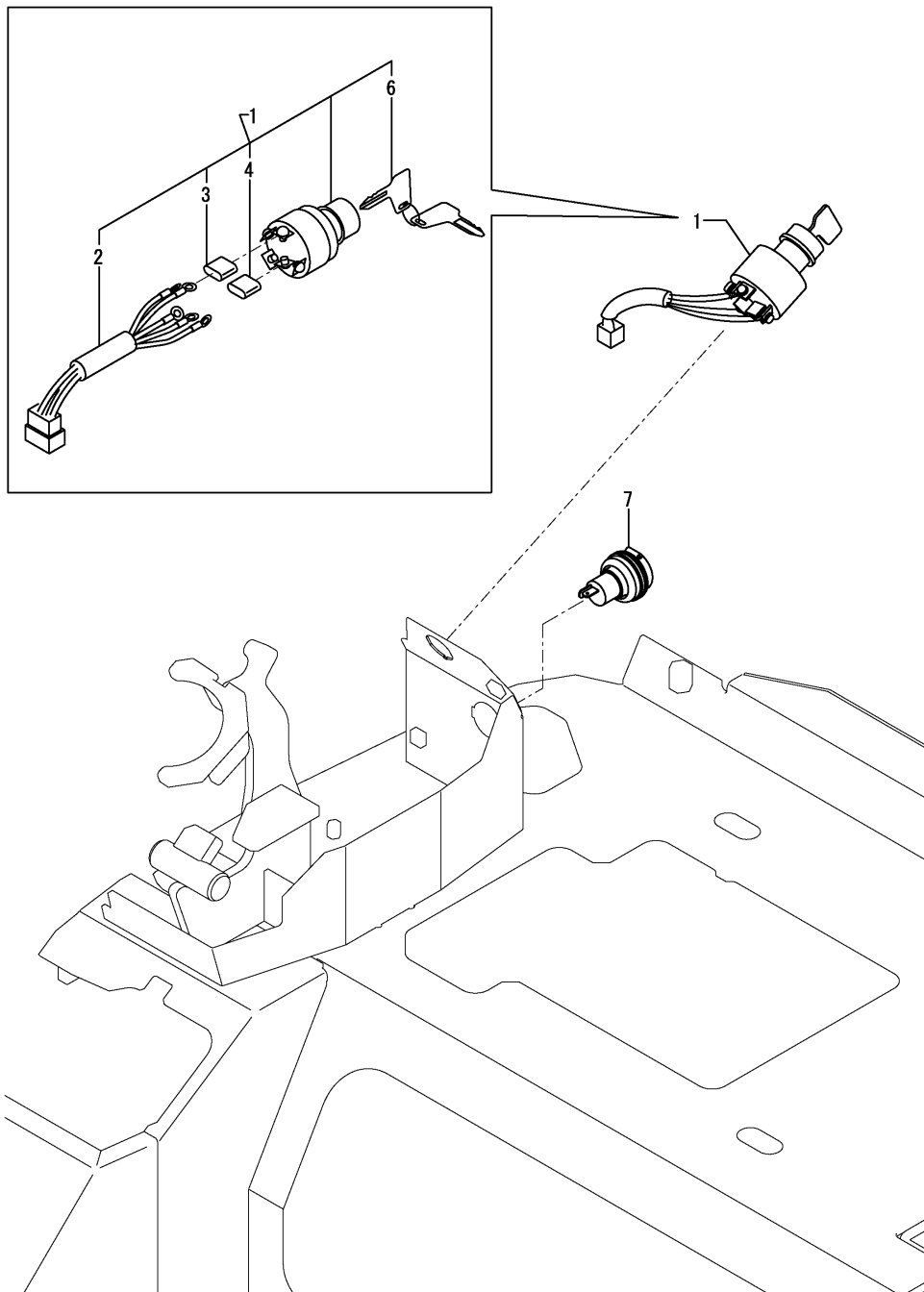
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-16101	CORD ASSY,BATTERY (+	1	1	1	1				
3	2	172458-16140	HARNESS C	1	1	1	1				
3-1	2	172A64-16120	HARNESS, F	1	1	1	1			N	
(A=M/#01843) (B=M/#01843) (C=M/#01843) (D=M/#01843)											
4	1	172A64-16501	HARNESS ASSY, A	1	1	1	1				
4-1	1	172A64-16502	HARNESS ASSY, A	1	1	1	1			N	
(A=M02841) (B=M02841) (C=M02841) (D=M02841)											
4A	2	1A7130-51130	DIODE, 1.5A	1	1	1	1			W	
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
5	1	172112-16650	CLAMP(B)	2	2	2	2				
6	1	172460-16700	STAY A	1	1	1	1				
7	1	22137-080000	WASHER 8, POLISHED	1	1	1	1				
8	1	22417-200250	COTTER PIN 2.0X25	1	1	1	1				
9	1	26013-100162	BOLT M10X 16	1	1	1	1				
10	1	26013-100162	BOLT M10X 16	2	2	2	2				
11	1	26013-100162	BOLT M10X 16	2	2	2	2				
12	1	26716-080002	NUT M 8	1	1	1	1				
13	1	933168-55770	BAND 146	3	3	3	3				
14	1	933171-15801	WIRE, EARTH	1	1	1	1				
15	1	172A64-16131	HARNESS, BAT. MINUS	1	1	1	1				
16	1	26013-100202	BOLT W/WASHER M10X20	1	1	1	1				
17	1	1A7347-51200	METAL CLIP	2	2	2	2			W	
(A=M02841) (B=M02841) (C=M02841) (D=M02841)											
18	1	22137-100000	WASHER 10,POLISHED	3	3	3	3			W	
(A=M02841) (B=M02841) (C=M02841) (D=M02841)											
19	1	26014-080202	BOLT M 8X 20	1	1	1	1			W	
(A=M02841) (B=M02841) (C=M02841) (D=M02841)											

Fig.12. ELECTRIC PART(SEAT MOUNT)



Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.NO.1-1,32,33,
FIG.37 REF.NO.23.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-16551	HARNESS ASSY, B	1	1	1	1				
1-1	1	172A64-16552	HARNESS ASSY, B	1	1	1	1			S	1
(A=M01797) (B=M01797) (C=M01797) (D=M01797)											
1-2	1	172A64-16530	HARNESS ASSY,B EX	1	1	1	1				N
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
3	2	172183-16580	BODY,FUSER	1	1	1	1				
4	2	172183-16590	COVER	1	1	1	1				
6	2	172447-17140	HOUSING	1	1	1	1				
7	2	172447-17150	FUSE 40A	1	1	1	1				
8	2	29420-150000	FUSE, 15A	4	4	4	4				
9	1	172183-16550	BRACKET,FUSE	1	1	1	1				
10	1	172A64-17120	BRACKET ASSY,ELC	1	1	1	1				
10-1	1	172A64-17121	BRACKET ASSY,ELC	1	1	1	1				N
(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)											
11	2	172446-14250	RUBBER PLATE	1	1	1	1				
13	1	119247-77100	RELAY, SAFETY	3	3	3	3				
14	1	119653-77710	LIMITTER, CURRENT	1	1	1	1				
15	1	119650-77910	RELAY, GROW	2	2	2	2				
18	1	129211-77920	TIMER	1	1	1	1				
19	1	22137-060000	WASHER 6, POLISHED	2	2	2	2				
20	1	26013-060122	BOLT M 6X 12	4	4	4	4				
21	1	26013-080162	BOLT W/WASHER M8X16	3	3	3	3				
22	1	26014-060122	BOLT M 6X 12	3	3	3	3				
23	1	26014-060162	BOLT M 6X 16	1	1	1	1				
24	1	26014-060252	BOLT M 6X 25	2	2	2	2				
25	1	26116-060162	BOLT 6X16	2	2	2	2				
26	1	194464-52190	SWITCH, SAFETY START	1	1	1	1				
27	1	194151-57100	HORN	1	1	1	1				
28	1	26014-060162	BOLT M 6X 16	2	2	2	2				
29	1	26776-180002	NUT M18,LOCK	1	1	1	1				
30	1	194464-52190	SWITCH, SAFETY START	2	2	2	2				
31	1	26776-180002	NUT M18,LOCK	2	2	2	2				
32	1	124970-77920	TIMER, GLOW PLUG	1	1	1	1			W	1
(A=M01797) (B=M01797) (C=M01797) (D=M01797)											
33	1	26014-060202	BOLT M 6X 20	1	1	1	1			W	1
(A=M01797) (B=M01797) (C=M01797) (D=M01797)											
34	1	933168-55770	BAND 146	3	3	3	3			W	
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											



0CS10-G49500 13. ELECTRIC PART(START SWITCH)

(A)=VIO17(US)

(B)=VIO17(AS)

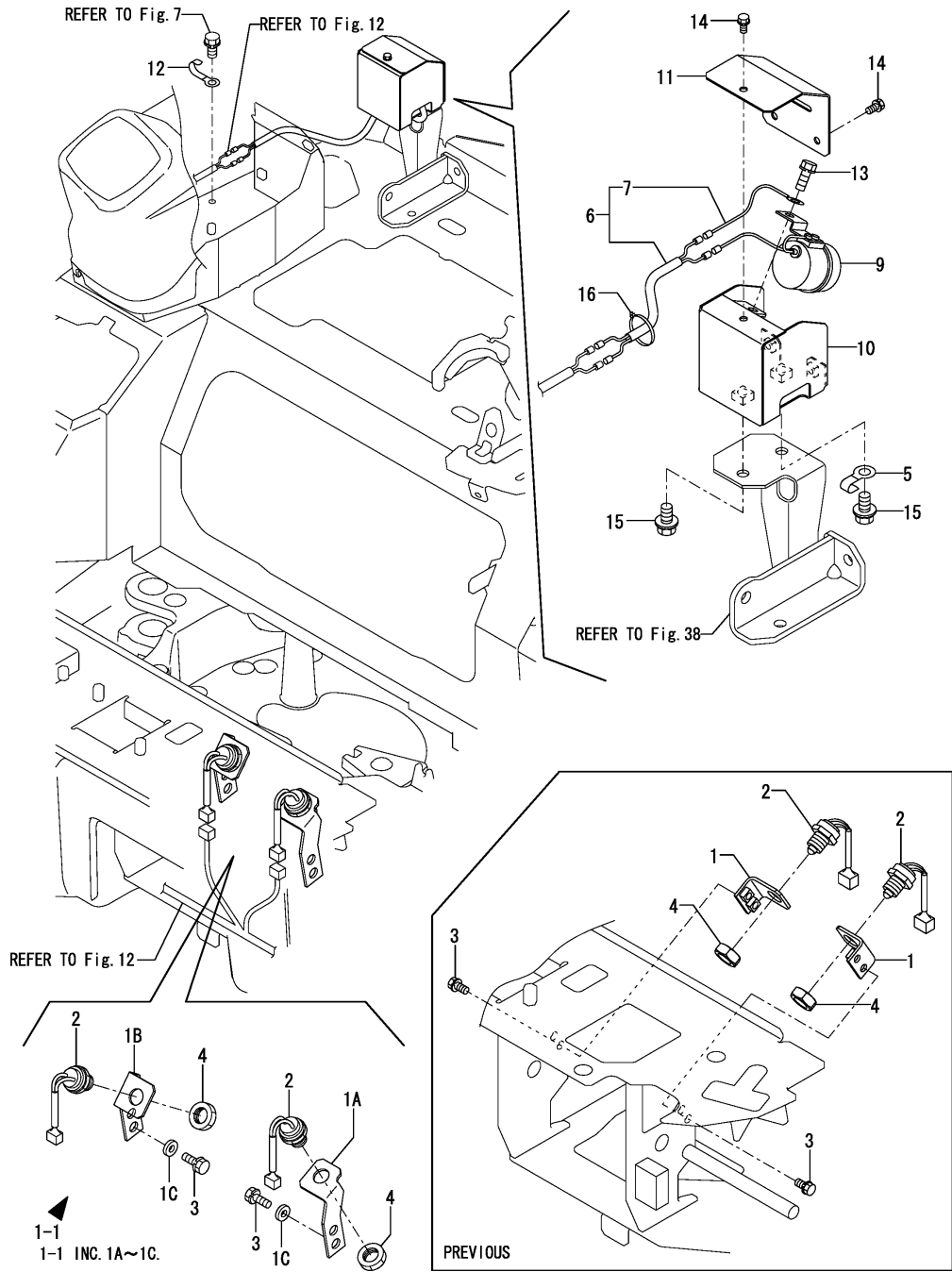
(C)=VIO17(NZ)

(D)=VIO17(SG)

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

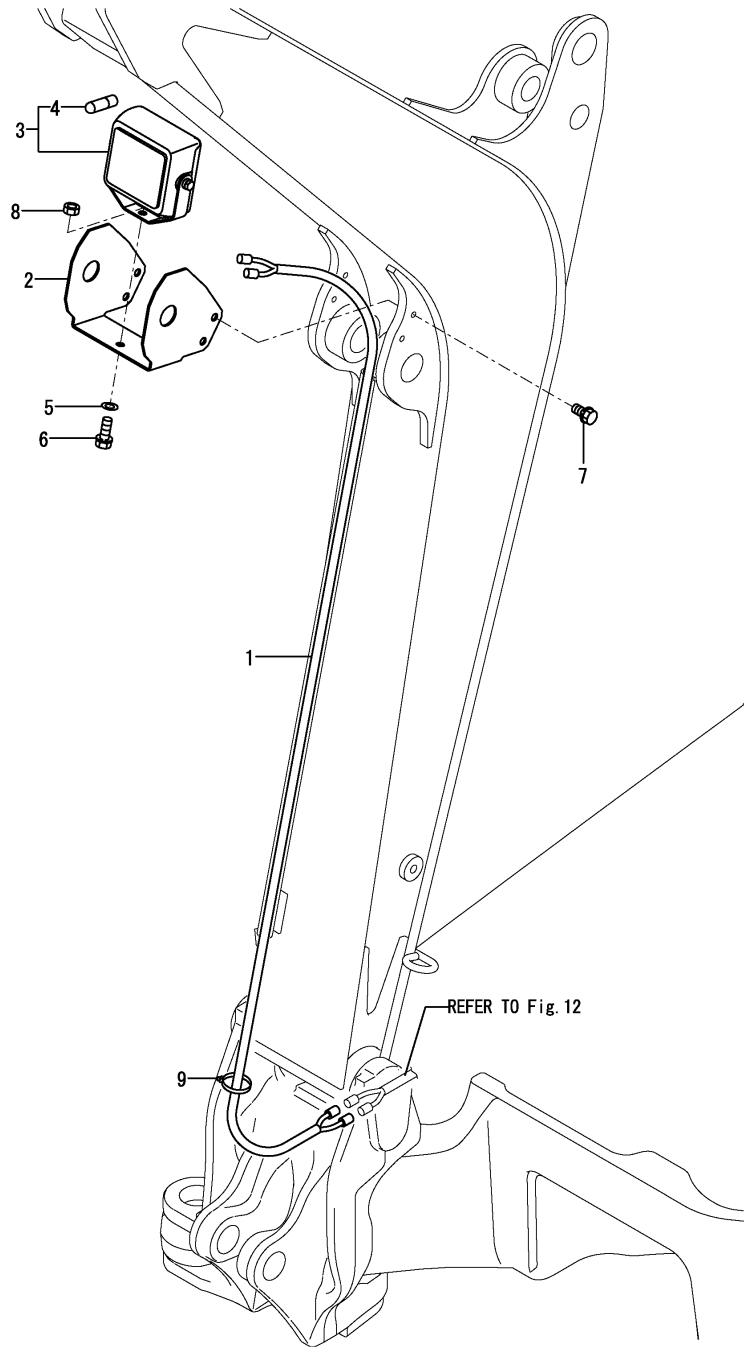
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-17100	SWITCH, START	1	1	1	1				
2	2	172187-17070	CODE	1	1	1	1				
3	2	172187-17080	COVER M5	3	3	3	3				
4	2	172187-17090	COVER M4	2	2	2	2				
6	2	933110-00301	KEY ASSY	1	1	1	1				
7	1	172A64-17250	SOCKET ASSY	1	1	1	1				

Fig.14. TRAVEL ALARM



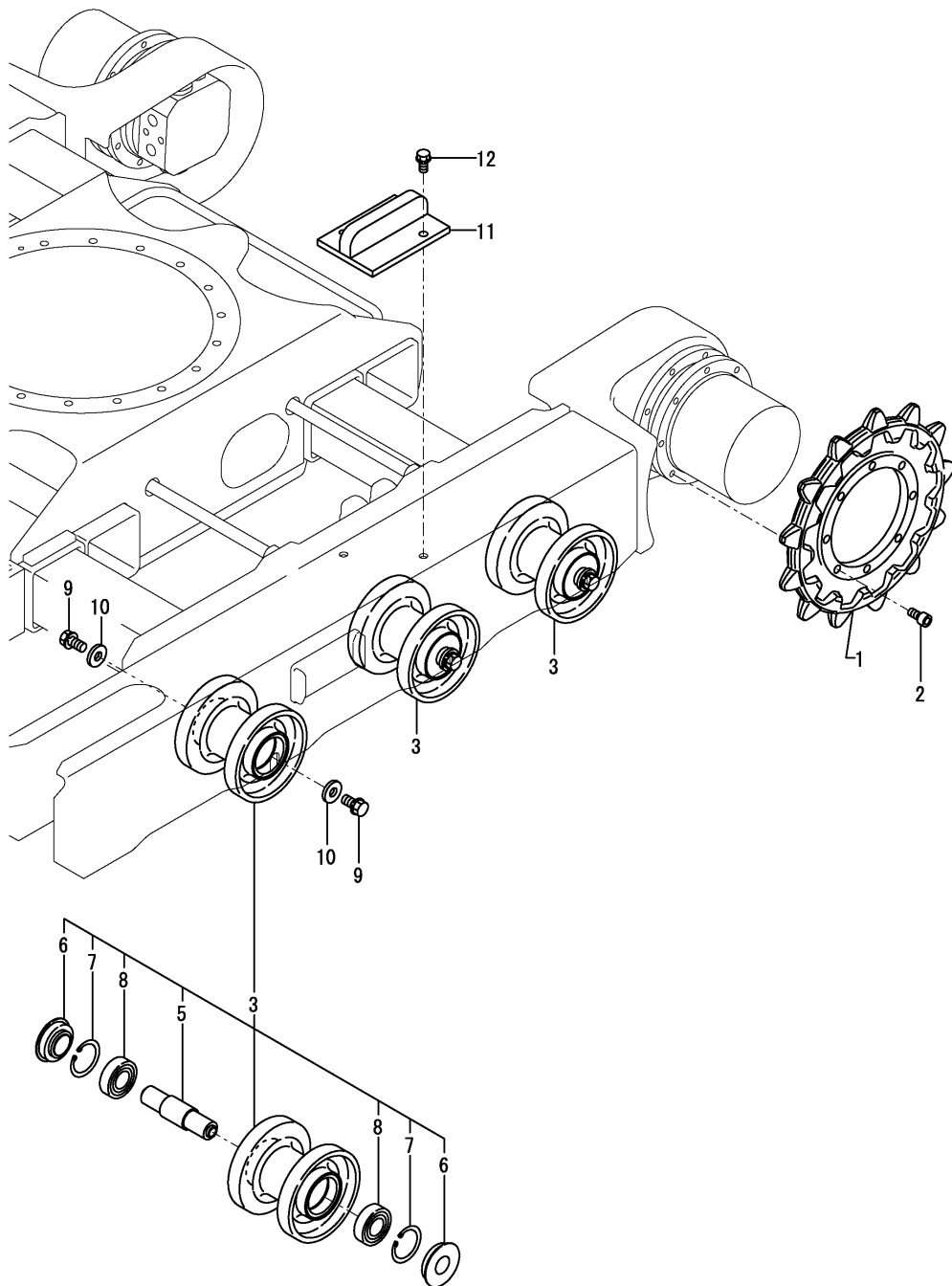
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-45250	STAY ASSY, SSW	2	2	2	2				
1-1	1	172A64-08311	TRAVEL ALARM KIT	1	1	1	1			S	
(A=M/# 01130) (B=M/#01130) (C=M/# 01130) (D=M/# 01130)											
1A	2	172A64-45310	STA L,SSW	1	1	1	1			W	
(A=M/# 01130) (B=M/#01130) (C=M/#01130) (D=M/#01130)											
1B	2	172A64-45320	STA R,SSW	1	1	1	1			W	
(A=M/#01130) (B=M/# 01130) (C=M/#01130) (D=M/#01130)											
1C	2	172157-45840	WASHER 8X18X4	4	4	4	4			W	
(A=M/#01130) (B=M/# 01130) (C=M/#01130) (D=M/#01130)											
2	1	194464-52190	SWITCH, SAFETY START	2	2	2	2				
3	1	26013-080202	BOLT	4	4	4	4				
4	1	26776-180002	NUT	2	2	2	2				
5	1	172126-16540	CLAMP	1	1	1	1				
6	1	172448-16600	HARNESS D CMP	1	1	1	1				
7	2	172478-16580	HARNESS,ALARM	1	1	1	1				
9	1	172511-17351	BUZZER, BACK	1	1	1	1				
10	1	172472-17400-1	CASE ASSY,ALARM (2J)	1	1	1	1				
10-1	1	172472-17401-1	ALARM CASE ASSY (2J)	1	1	1	1			N	
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
10-2	1	172472-17401-Y	ALARM CASE ASSY	1	1	1	1			S	
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
11	1	172472-17470-1	COVER,ALARM CASE(2J)	1	1	1	1				
11-1	1	172472-17470-Y	COVER,ALARM CASE	1	1	1	1			S	
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
12	1	194440-51620	CLAMP, HARNESS	1	1	1	1				
13	1	26013-080122	BOLT	1	1	1	1				
14	1	26014-060122	BOLT	3	3	3	3				
15	1	26014-100202	BOLT	2	2	2	2				
16	1	933168-55770	BAND	1	1	1	1				

Fig.15. WORK LAMP



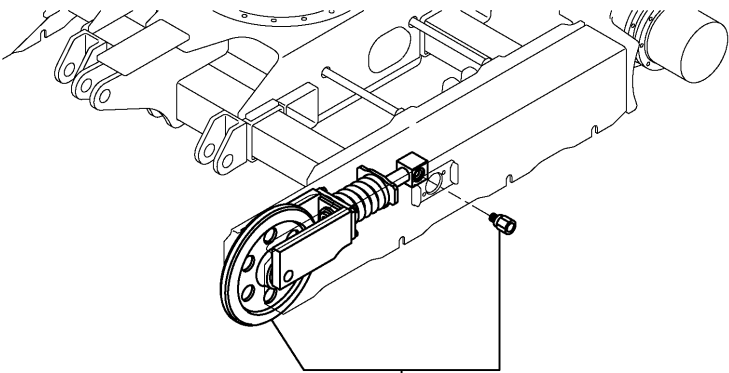
OCS10-G49500 15. WORK LAMP

REF.	LEV.	PARTS NO.	DESCRIPTION	(A)=VIO17(US) (B)=VIO17(AS) (C)=VIO17(NZ)						(D)=VIO17(SG) (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)	Q'TY					
1	1	172448-16550	HARNESS,BOOM LAMP	1	1	1	1								
2	1	172A64-17210-1	BRACKET,WORK LAMP(2J	1	1	1	1								
2-1	1	172A64-17210-Y	BRACKET,WORK LAMP	1	1	1	1								S
	(A=M07001)	(B=M07001)	(C=M07001)	(D=M07001)											
3	1	172156-17401	LAMP, WORK	1	1	1	1								
4	2	172156-17420	BULB 12V-27W	1	1	1	1								
5	1	22117-080000	WASHER	1	1	1	1								
6	1	26013-080162	BOLT	1	1	1	1								
7	1	26014-080162	BOLT	4	4	4	4								
8	1	26716-080002	NUT	1	1	1	1								
9	1	933168-55770	BAND	1	1	1	1								

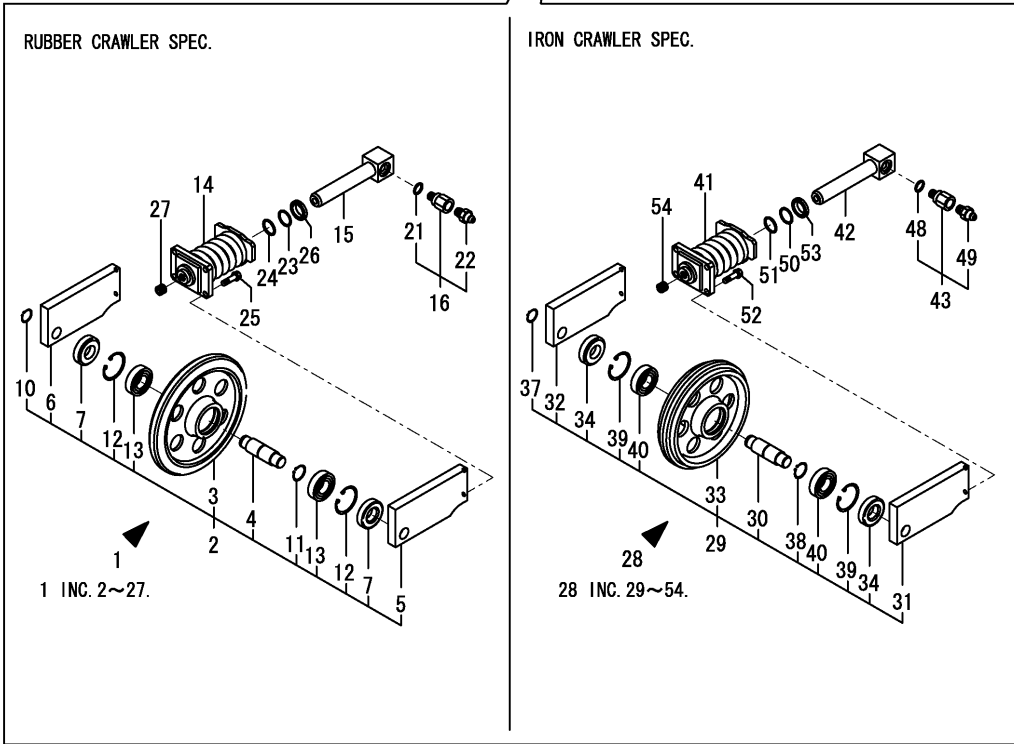


REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-29100	SPROCKET T13(GRAY:49	2	2	2	2				
2	1	26450-100252	BOLT	16	16	16	16				
3	1	772A64-37300-2	ROLLER ASSY, TRACK	6	6	6	6				
5	2	172448-37310	SHAFT,ROLLER RUBBER	6	6	6	6				
6	2	1E6140-73420	SEAL QLF255218, OIL	12	12	12	12				
7	2	22252-000520	RING	12	12	12	12				
8	2	24101-062054	BEARING, BALL	12	12	12	12				
9	1	26013-120252	BOLT	12	12	12	12				
10	1	933152-03700	WASHER, SIDE CLUTCH	12	12	12	12				
11	1	172A64-37500	SLIDE PLATE ASSY(49)	2	2	2	2				
12	1	26013-100252	BOLT	4	4	4	4				

Fig.17. IDLER & ADJUST

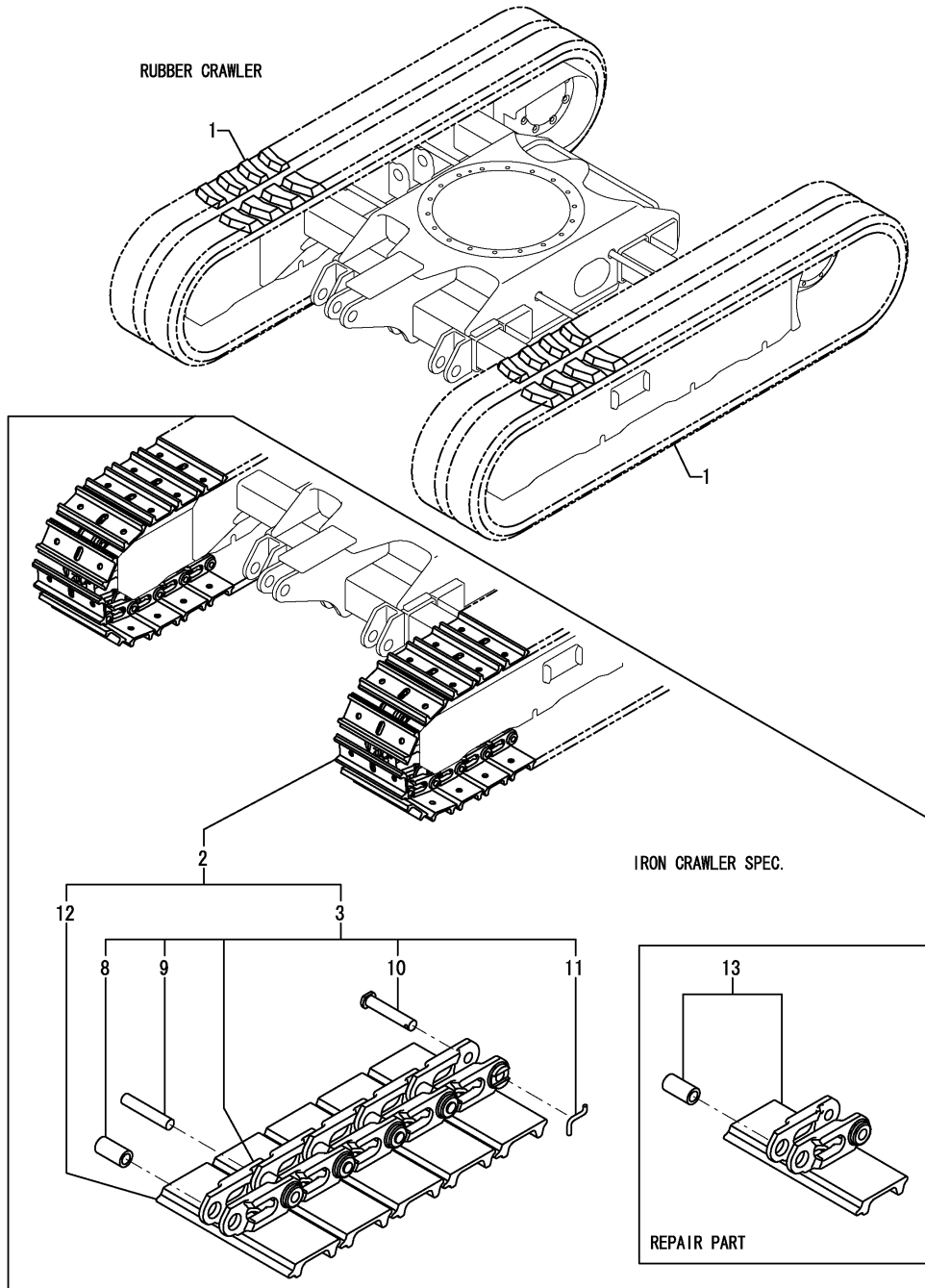


1 RUBBER CRAWLER SPEC.
28 IRON CRAWLER SPEC.



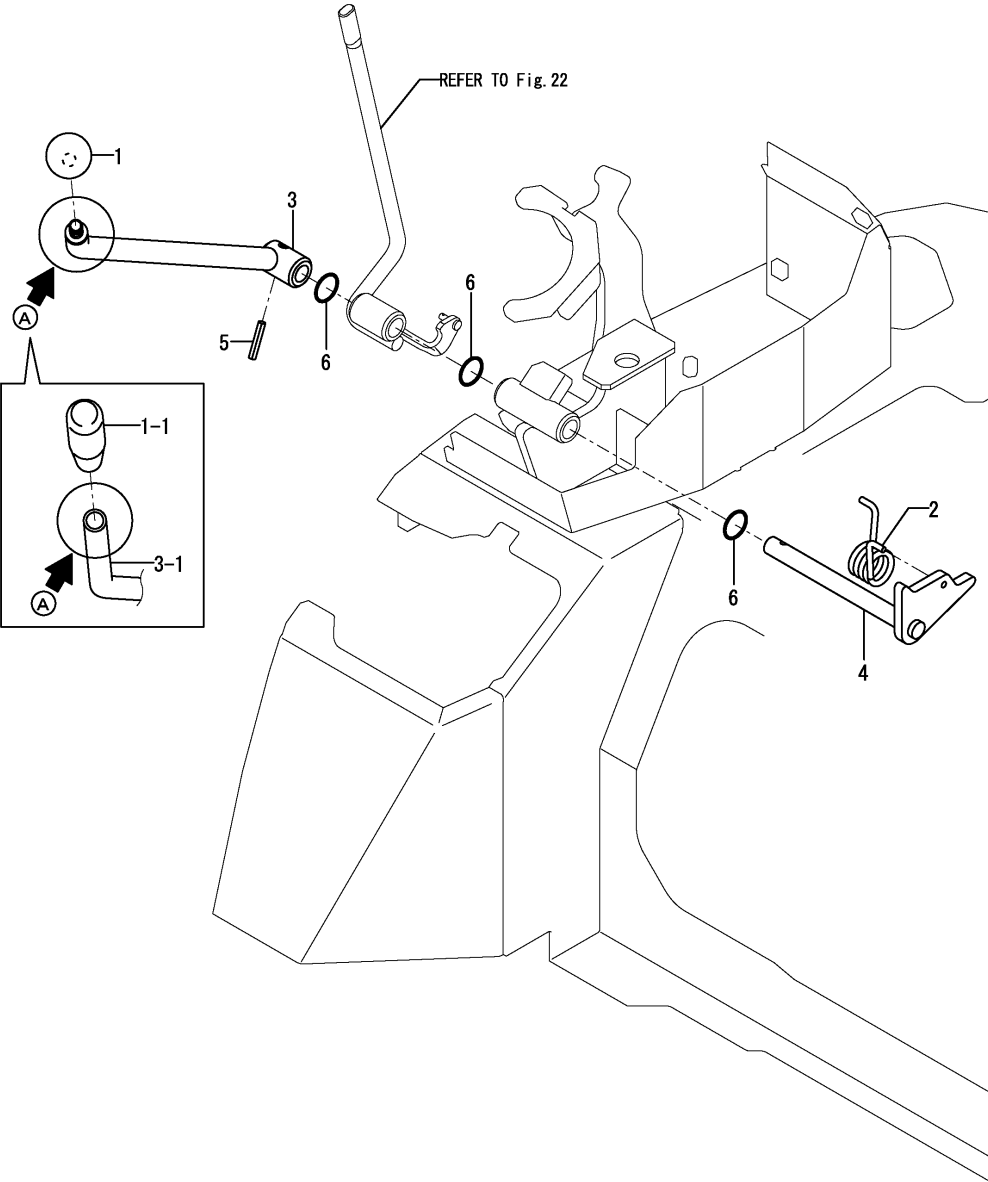
OCS10-G49500 17. IDLER & ADJUST

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-37200	FORK ASSY,IDLER (49)	2	2	2	2				
2	2	172A64-37210	IDLER ASSY (GRAY:49)	2	2	2	2				
3	3	172A64-37100	IDLER 270	2	2	2	2				
4	3	172A64-37120	SHAFT,IDLER	2	2	2	2				
5	3	172A64-37130	FORK L,IDLER	2	2	2	2				
6	3	172A64-37140	FORK R,IDLER	2	2	2	2				
7	3	1A1060-48300	SEAL QLN306213.2,OIL	4	4	4	4				
10	3	22242-000250	CIRCLIP 25S	2	2	2	2				
11	3	22242-000300	CIRCLIP 30	2	2	2	2				
12	3	22252-000620	CIRCLIP 62(H)	4	4	4	4				
13	3	24101-062064	BALL BEARING 6206	4	4	4	4				
14	2	172448-37712	SPRING,CRAWLER	2	2	2	2				
15	2	172448-37800	TUBE ASSY, ADJUSTING	2	2	2	2				
16	2	172122-37844	VALVE ASSY, NIPPLE	2	2	2	2				
21	3	24315-000140	O-RING 1B P-14.0	2	2	2	2				
22	3	24761-020000	NIPPLE PT1/8,GREASE	2	2	2	2				
23	2	172137-37850	RING, BACK UP	2	2	2	2				
24	2	24315-000300	O-RING 1B P-30.0	2	2	2	2				
25	2	26013-100352	BOLT M10X 35	8	8	8	8				
26	2	933126-38600	SEAL, DUST	2	2	2	2				
27	2	933171-13691	PLUG PT1/8	2	2	2	2				
I 28	1	172A64-37230	FORK ASSY,IDLER (49)							2	
I 29	2	172A64-37240	IDLER ASSY (GRAY:49)							2	
I 30	3	172A64-37120	SHAFT,IDLER							2	
I 31	3	172A64-37130	FORK L,IDLER							2	
I 32	3	172A64-37140	FORK R,IDLER							2	
I 33	3	172449-37200-1	IDLER 216-FE(GRAY49)							2	
I 34	3	1A1060-48300	SEAL QLN306213.2,OIL							4	
I 37	3	22242-000250	RING, 25							2	
I 38	3	22242-000300	RING, 30							2	
I 39	3	22252-000620	RING, 62							4	
I 40	3	24101-062064	BEARING, 6206 NTN							4	
I 41	2	172448-37712	SPRING,CRAWLER							2	
I 42	2	172448-37800	TUBE ASSY, ADJUSTING							2	
I 43	2	172122-37844	VALVE ASSY, NIPPLE							2	
I 48	3	24315-000140	PACKING, P 14.0							2	
I 49	3	24761-020000	FITTING, PT 1/8							2	
I 50	2	172137-37850	RING, BACK UP P30							2	
I 51	2	24315-000300	PACKING, P 30.0							2	
I 52	2	26013-100352	BOLT, 10 X 35							8	
I 53	2	933126-38600	SEAL, DUST							2	
I 54	2	933171-13691	PLUG, PT1/8							2	



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-38600	RUBBER CRAWLER	2	2	2	2				
I 2	1	172448-38101-1	CRAWLER 230(GRAY:49)				2				
I 3	2	172448-38110-2	LINK, TRACK(GRAY:49)				2				
I 8	3	172173-38200	BUSH, 22.15X43				72				
I 9	3	172173-38210	PIN, CRAWLER				70				
I 10	3	172173-38220	PIN,MASTER				2				
I 11	3	172173-38300	PIN 4X22,LOCK				2				
I 12	2	172448-38231	PLATE,SHOE 230				72				
I 13	1	172448-38301-1	MASTER TRACK (49)				1				

Fig.19. CONTROL EQUIPMENT(LOCK LEVER & STAND)(RIGHT)



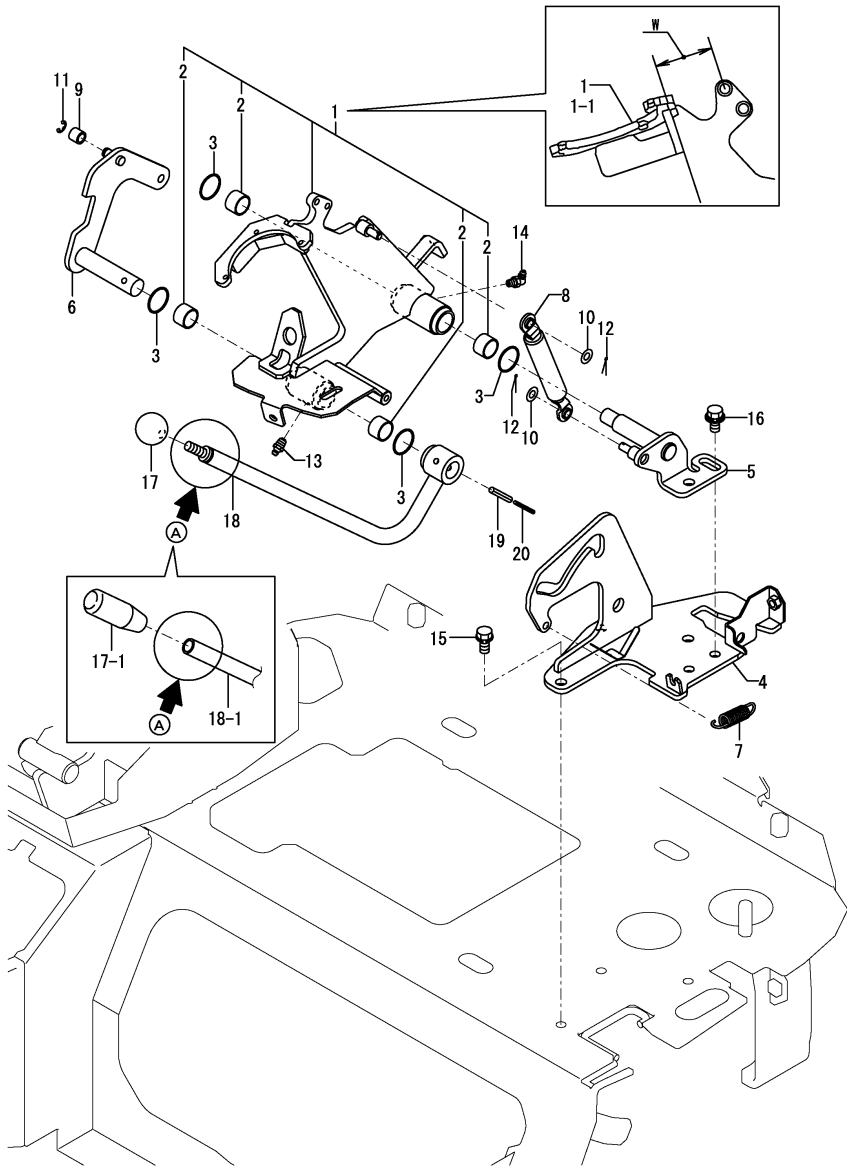
Remarks
(1)A=REF.NO.3 M10 SCREW,
NO.3-1 NO SCREW.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH RE.NO.1-1.

0CS10-G49500 19. CONTROL EQUIPMENT(LOCK LEVER & STAND)(RIGHT)

(A)=VIO17(US) (D)=VIO17(SG)
(B)=VIO17(AS) (E)=
(C)=VIO17(NZ) (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP,RED ROUND	1	1	1	1				
1-1	1	172A77-46050	GRIP,RED	1	1	1	1				S
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
2	1	172165-45970	SPRING	1	1	1	1				
3	1	172A64-46450	LOCK LEVER ASSY,R(49	1	1	1	1				
3-1	1	172A64-46451	LOCK LEVER ASSY,R	1	1	1	1			F	1
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
4	1	172A64-46470	SHAFT ASSY,R LEVER	1	1	1	1				
5	1	22351-050032	SPRING PIN 5X32	1	1	1	1				
6	1	24311-000210	O-RING 1A P-21.0	3	3	3	3				

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



Remarks
(1)A=REF.NO.18 M10 SCREW,
NO.18-1 NO SCREW.
INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH RE.NO.17-1.
(2)REF.NO.1 W=41MM,REF.NO.1-1 W=45MM.

OCS10-G49500 20. CONTROL EQUIPMENT(LOCK LEVER & STAND)(LEFT)

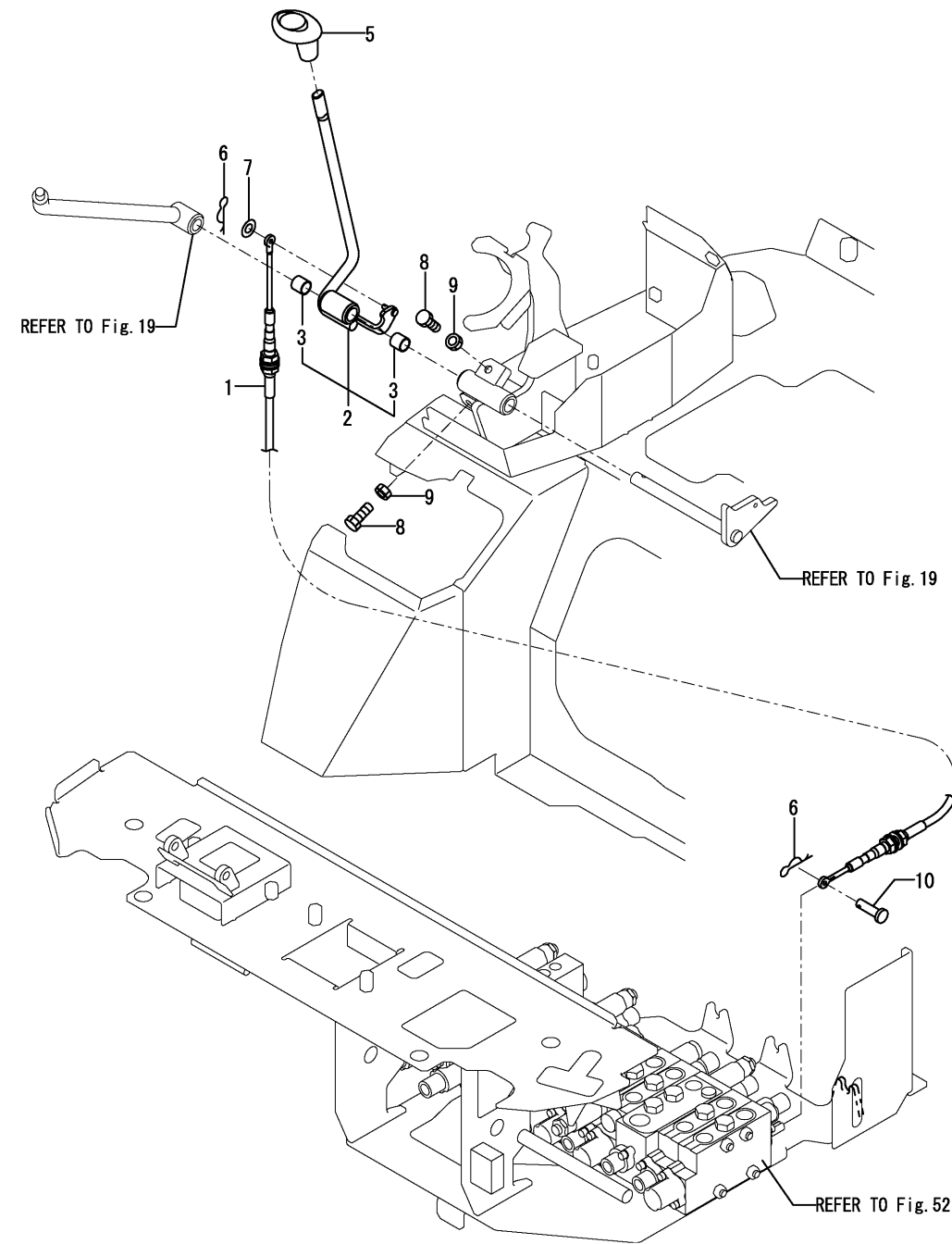
(A)=VIO17(US) (D)=VIO17(SG)
(B)=VIO17(AS) (E)=
(C)=VIO17(NZ) (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-46100	LEVER STAND,L (73)	1	1	1	1				
1-1	1	172A64-46101	LEVER STAND ASSY,L	1	1	1	1			S	2
(A=M03318) (B=M03318) (C=M03318) (D=M03318)											
2	2	172141-41370	BUSH 2015	4	4	4	4				
3	1	172124-46200	O-RING 27X5.7	4	4	4	4				
4	1	172A64-46210	BASE ASSY,LEVER L(73)	1	1	1	1				
5	1	172A47-46230	PLATE ASSY,BASE L	1	1	1	1				
6	1	172A47-46310	ROD ASSY,SPRING	1	1	1	1				
7	1	172162-46690	SPRING	1	1	1	1				
7-1	1	172A69-46270	SPRING 2.3X15X60	1	1	1	1			N	
(A=M02357) (B=M02357) (C=M02357) (D=M02357)											
8	1	172455-46890	SPRING,GAS	1	1	1	1				
9	1	172165-47550	BUSH	1	1	1	1				
10	1	22137-080000	WASHER 8, POLISHED	2	2	2	2				
11	1	22272-000070	CIRCLIP E- 7	1	1	1	1				
12	1	22417-200200	COTTER PIN 2.0X20	2	2	2	2				
13	1	24761-020000	NIPPLE PT1/8,GREASE	1	1	1	1				
14	1	24761-050000	NIPPLE C,GREASE	1	1	1	1				
15	1	26013-100202	BOLT W/WASHER M10X20	3	3	3	3				
16	1	26014-100252	BOLT 10X25 W/PLW+SPW	2	2	2	2				
17	1	1D4070-23580	GRIP,RED ROUND	1	1	1	1				
17-1	1	172A77-46050	GRIP,RED	1	1	1	1			S	
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
18	1	172A47-46343	LOCK LEVER,L(GRAY:49	1	1	1	1				
18-1	1	172A47-46344	ROCK LEVER ASSY,L(49	1	1	1	1			F	1
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
19	1	22351-035040	SPRING PIN 3.5X40	1	1	1	1				
20	1	22351-060040	SPRING PIN 6X40	1	1	1	1				


$$(F)=$$

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.22. CONTROL EQUIPMENT(BLADE LEVER)

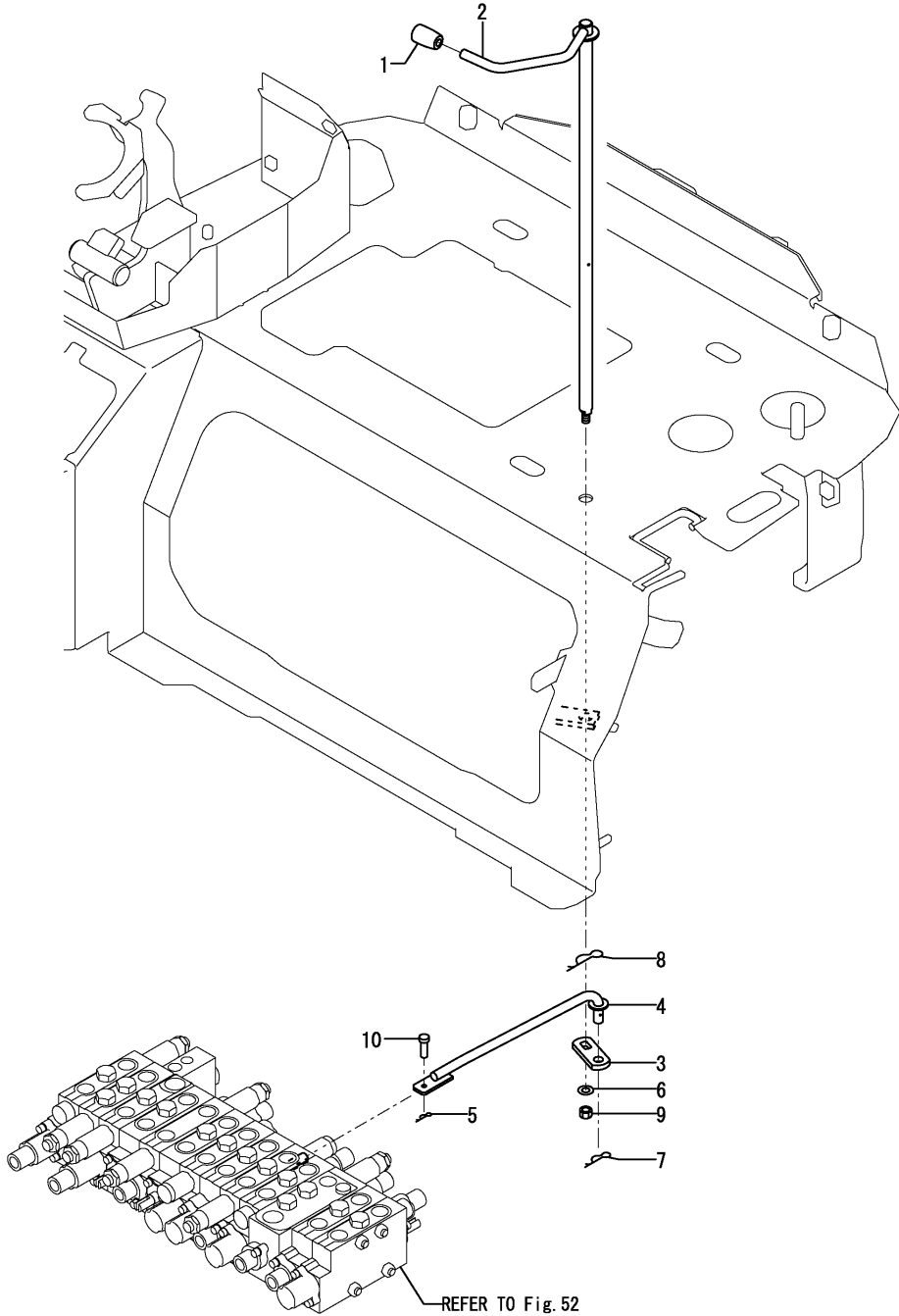


0CS10-G49500 22. CONTROL EQUIPMENT(BLADE LEVER)

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-45690	CABLE, BLADE	1	1	1	1				
2	1	172A64-45700	BLADE LEVER ASSY(49)	1	1	1	1				
3	2	172141-41360	BUSH 1415	2	2	2	2				
5	1	172164-45970	GRIP, BLADE	1	1	1	1				
6	1	1C6281-52310	PIN 6, COME-OFF SNAP	2	2	2	2				
7	1	22137-050000	WASHER 5, POLISHED	1	1	1	1				
8	1	26116-080254	BOLT M 8X 25 PLATED	2	2	2	2				
9	1	26756-080002	LOCK NUT M 8 PLATED	2	2	2	2				
10	1	933110-54100	PIN 4.75X14	2	2	2	2				

Fig.23. CONTROL EQUIPMENT(VARIABLE LEG LEVER)

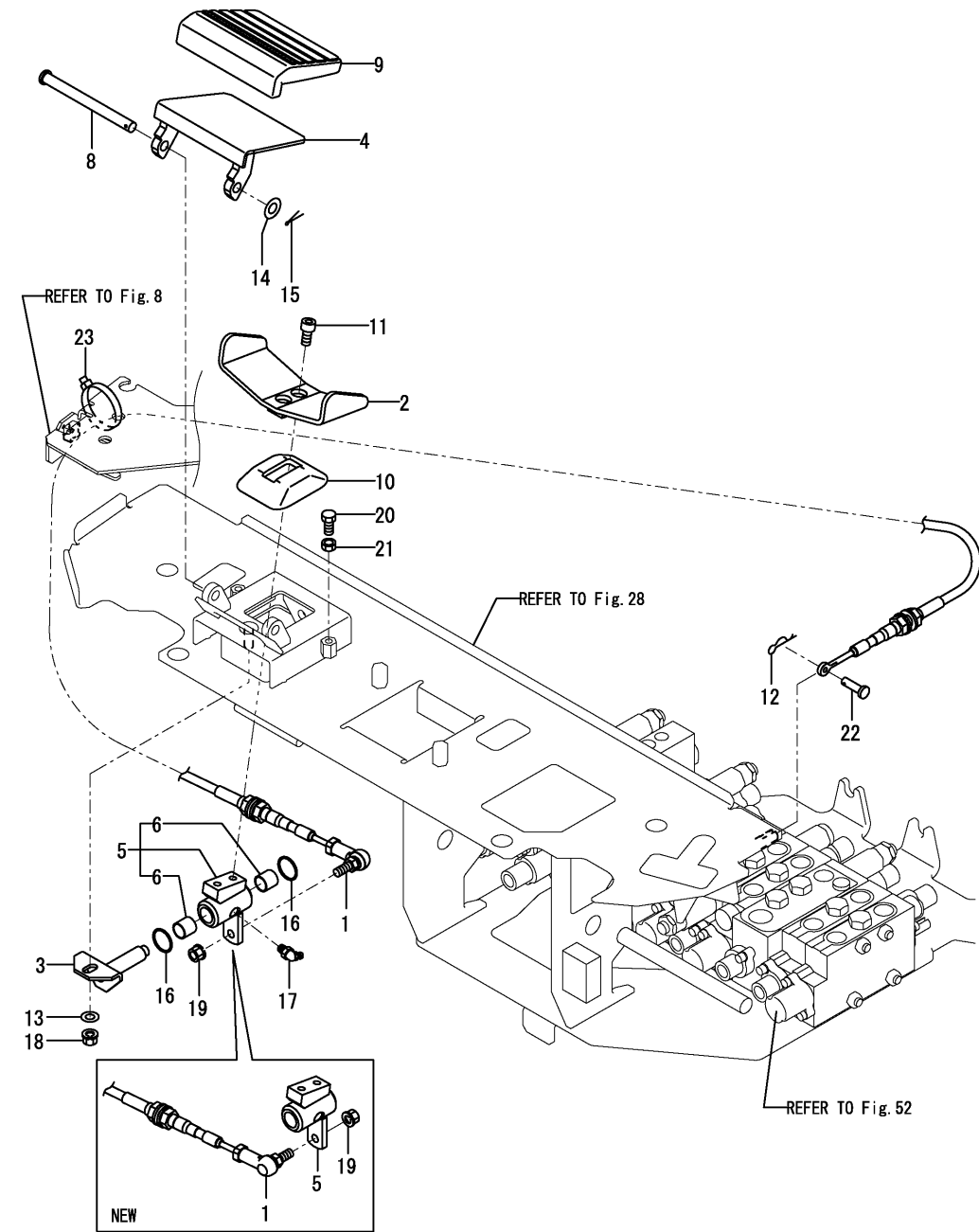


OCS10-G49500 23. CONTROL EQUIPMENT(VARIABLE LEG LEVER)

(A)=VIO17(US) (D)=VIO17(SG)
(B)=VIO17(AS) (E)=
(C)=VIO17(NZ) (F)=

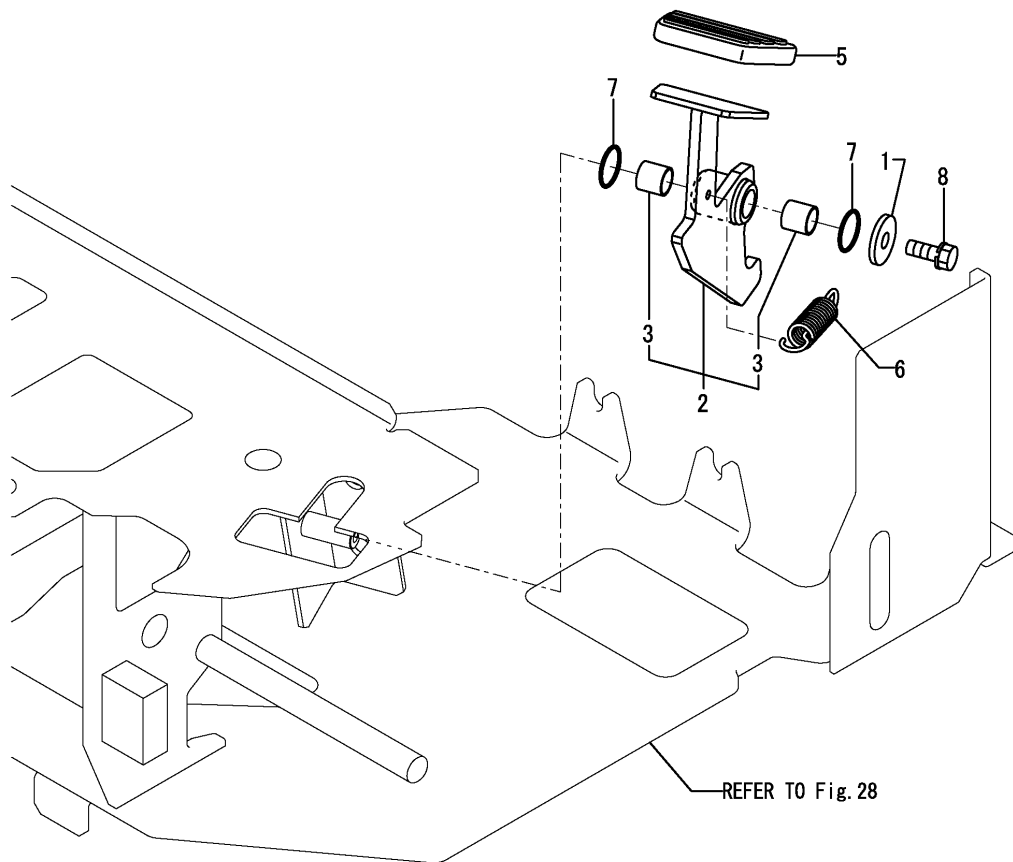
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194150-01190	KNOB, THROTTLE LEVER	1	1	1	1				
2	1	172A64-45800	LEVER ASSY, W-N	1	1	1	1				
3	1	172A64-45840	PLATE, LINK	1	1	1	1				
4	1	172A64-45850	LINK ARM ASSY,W-N	1	1	1	1				
5	1	1C6281-52310	PIN 6,COME-OFF SNAP	1	1	1	1				
6	1	22137-080000	WASHER 8, POLISHED	1	1	1	1				
7	1	22372-100000	SNAP PIN 10	1	1	1	1				
8	1	22372-140000	SNAP PIN 14	1	1	1	1				
9	1	26347-080002	U-NUT M 8	1	1	1	1				
10	1	933110-54100	PIN 4.75X14	1	1	1	1				

Fig.24. CONTROL EQUIPMENT(SWING PEDAL)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

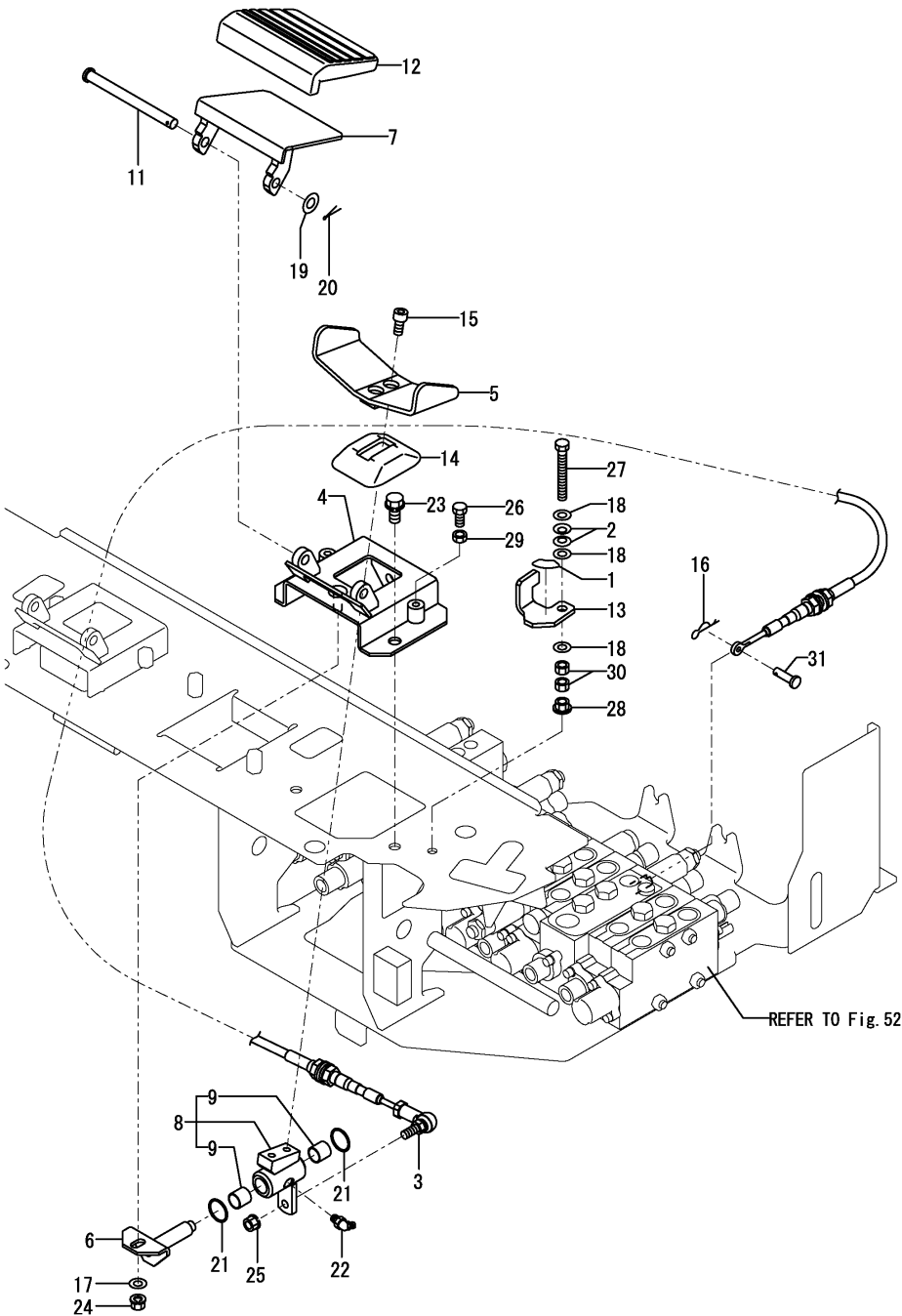
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-45280	CABLE,SWING	1	1	1	1				
2	1	172458-45521-1	PEDAL,SWING(GRAY:49)	1	1	1	1				
3	1	172187-45530	SHAFT CMP	1	1	1	1				
4	1	172458-45540-1	COVER,PEDAL(GRAY:49)	1	1	1	1				
5	1	172A64-45650	LINK, ASSY	1	1	1	1				
6	2	172141-41360	BUSH 1415	2	2	2	2				
8	1	172187-45651	SHAFT, PEDAL COVER	1	1	1	1				
9	1	172187-45760	COVER PAD	1	1	1	1				
10	1	172157-45990	BOOTS, PEDAL	1	1	1	1				
11	1	172165-46340	BOLT	2	2	2	2				
12	1	1C6281-52310	PIN 6,COME-OFF SNAP	1	1	1	1				
13	1	22137-080000	WASHER 8, POLISHED	1	1	1	1				
14	1	22137-100000	WASHER 10,POLISHED	1	1	1	1				
15	1	22417-250200	COTTER PIN 2.5X20	1	1	1	1				
16	1	24311-000210	O-RING 1A P-21.0	2	2	2	2				
17	1	24761-040000	NIPPLE B,GREASE	1	1	1	1				
18	1	26051-080002	NUT M 8	1	1	1	1				
19	1	26051-080002	NUT M 8	1	1	1	1				
20	1	26116-080254	BOLT M 8X 25 PLATED	2	2	2	2				
21	1	26716-080002	NUT M 8	2	2	2	2				
22	1	933110-54100	PIN 4.75X14	1	1	1	1				
23	1	172614-16520	BAND 100	1	1	1	1				W
(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX)											



—REFER TO Fig. 28

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1040-43900	SPRING WASHER	1	1	1	1				
2	1	172A64-45900	PEDAL ASSY (GRAY:49)	1	1	1	1				
3	2	172141-41360	BUSH 1415	2	2	2	2				
5	1	172458-45950	PAD,PEDAL	1	1	1	1				
6	1	172162-46690	SPRING	1	1	1	1				
7	1	24311-000210	O-RING 1A P-21.0	2	2	2	2				
8	1	26013-080162	BOLT W/WASHER M8X16	1	1	1	1				

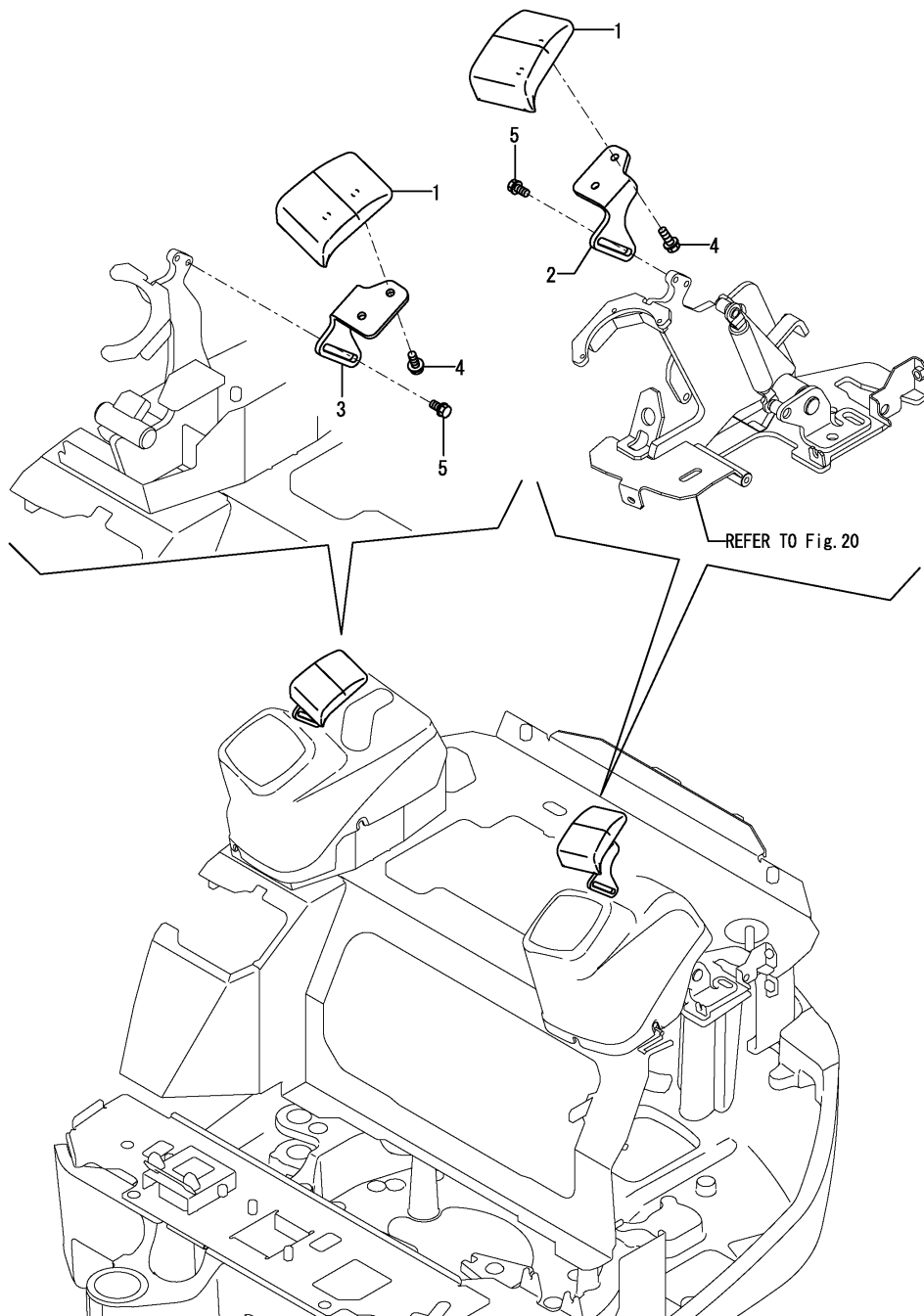
Fig.26. CONTROL EQUIPMENT(P.T.O. PEDAL)



OCS10-G49500 26. CONTROL EQUIPMENT(P.T.O. PEDAL)

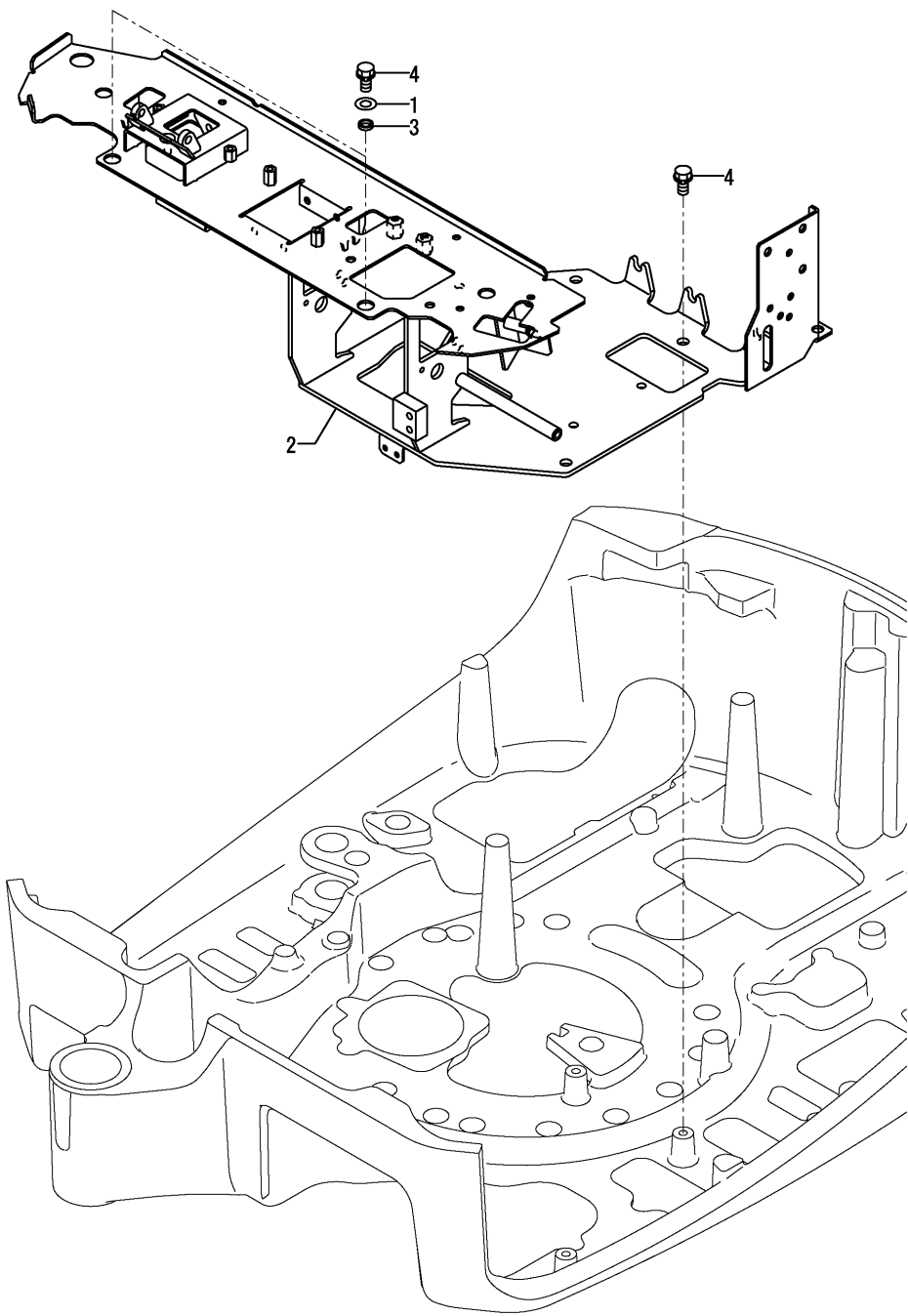
(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-03240	LABEL,LOCK	1	1	1	1				
2	1	172068-28490	SPRING 8	2	2	2	2				
3	1	172A64-45290	CABLE,PTO	1	1	1	1				
4	1	172448-45380-1	BRACKET,PTO(GRAY:49)	1	1	1	1				
5	1	172458-45521-1	PEDAL,SWING(GRAY:49)	1	1	1	1				
6	1	172187-45530	SHAFT CMP	1	1	1	1				
7	1	172458-45540-1	COVER,PEDAL(GRAY:49)	1	1	1	1				
8	1	172A64-45650	LINK, ASSY	1	1	1	1				
9	2	172141-41360	BUSH 1415	2	2	2	2				
11	1	172187-45651	SHAFT, PEDAL COVER	1	1	1	1				
12	1	172187-45760	COVER PAD	1	1	1	1				
13	1	172448-45800-3	PLATE,LOCK(PTO (10)	1	1	1	1				
14	1	172157-45990	BOOTS, PEDAL	1	1	1	1				
15	1	172165-46340	BOLT	2	2	2	2				
16	1	1C6281-52310	PIN 6,COME-OFF SNAP	1	1	1	1				
17	1	22137-080000	WASHER 8, POLISHED	1	1	1	1				
18	1	22137-080000	WASHER 8, POLISHED	3	3	3	3				
19	1	22137-100000	WASHER 10,POLISHED	1	1	1	1				
20	1	22417-250200	COTTER PIN 2.5X20	1	1	1	1				
21	1	24311-000210	O-RING 1A P-21.0	2	2	2	2				
22	1	24761-040000	NIPPLE B,GREASE	1	1	1	1				
23	1	26013-100202	BOLT W/WASHER M10X20	2	2	2	2				
24	1	26051-080002	NUT M 8	1	1	1	1				
25	1	26051-080002	NUT M 8	1	1	1	1				
26	1	26116-080254	BOLT M 8X 25 PLATED	2	2	2	2				
27	1	26116-080604	BOLT M8X 60	1	1	1	1				
28	1	26366-080002	NUT M 8	1	1	1	1				
29	1	26716-080002	NUT M 8	2	2	2	2				
30	1	26757-080002	LOCK NUT M 8 PLATED	2	2	2	2				
31	1	933110-54100	PIN 4.75X14	1	1	1	1				



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172441-44320	ARM REST	2	2	2	2				
2	1	172A46-46500	GUIDE ASSY L (49)	1	1	1	1				
3	1	172A46-46530	PLATE, GUIDE R (GRAY49)	1	1	1	1				
4	1	172519-63240	BOLT 8X 16	4	4	4	4				
5	1	172519-63240	BOLT 8X 16	4	4	4	4				

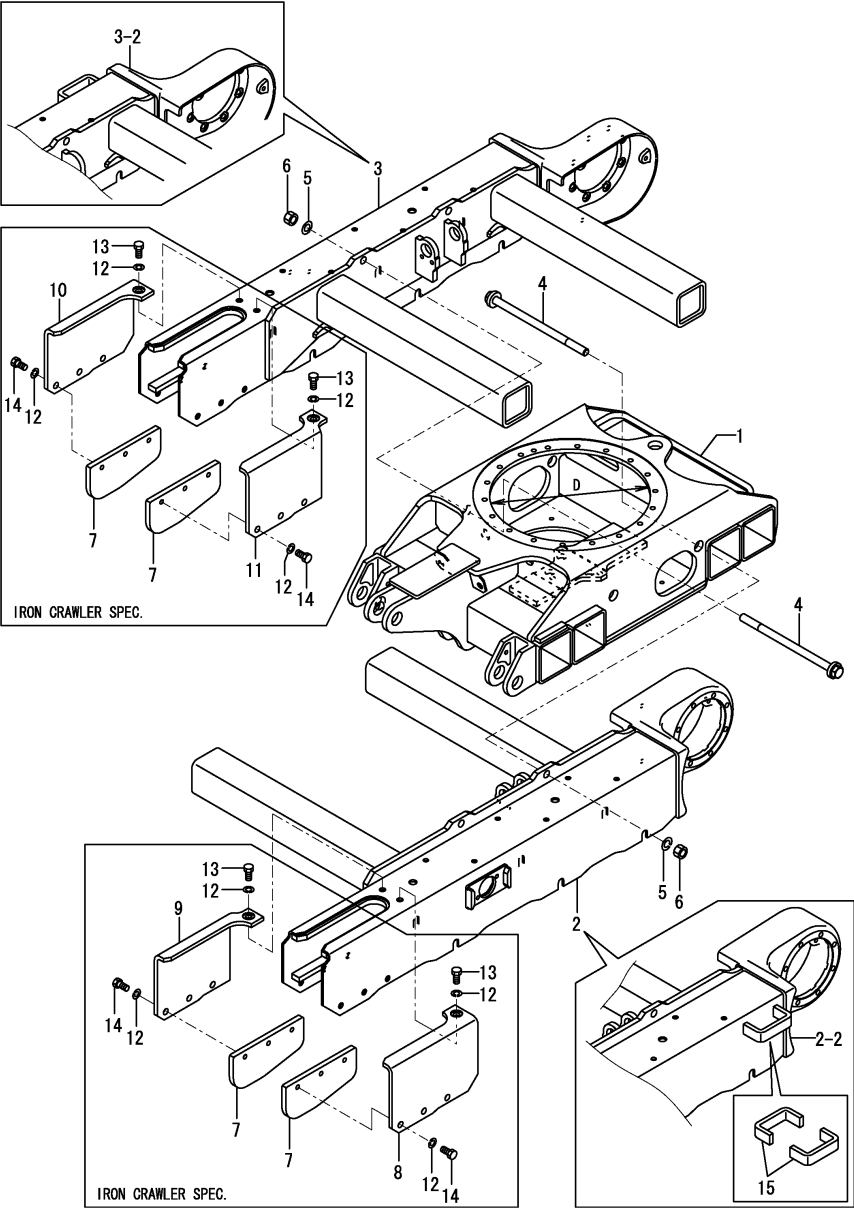
Fig.28. CONTROL VALVE PLATE



OCS10-G49500 28. CONTROL VALVE PLATE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-05250	WASHER 12	2	2	2	2				
2	1	172A64-45420	VALVE STAND ASSY(49)	1	1	1	1				
2-1	1	172A64-45421	VALVE STAND ASSY(49)	1	1	1	1				N
(A=M/# 00977) (B=M/# 00977) (C=M/# 00977) (D=M/# 00977)											
3	1	172A64-45580	COLLAR, 17.3X2.3X4	2	2	2	2				
4	1	26013-120252	BOLT M12X 25	6	6	6	6				

Fig.29. TRACK FRAME

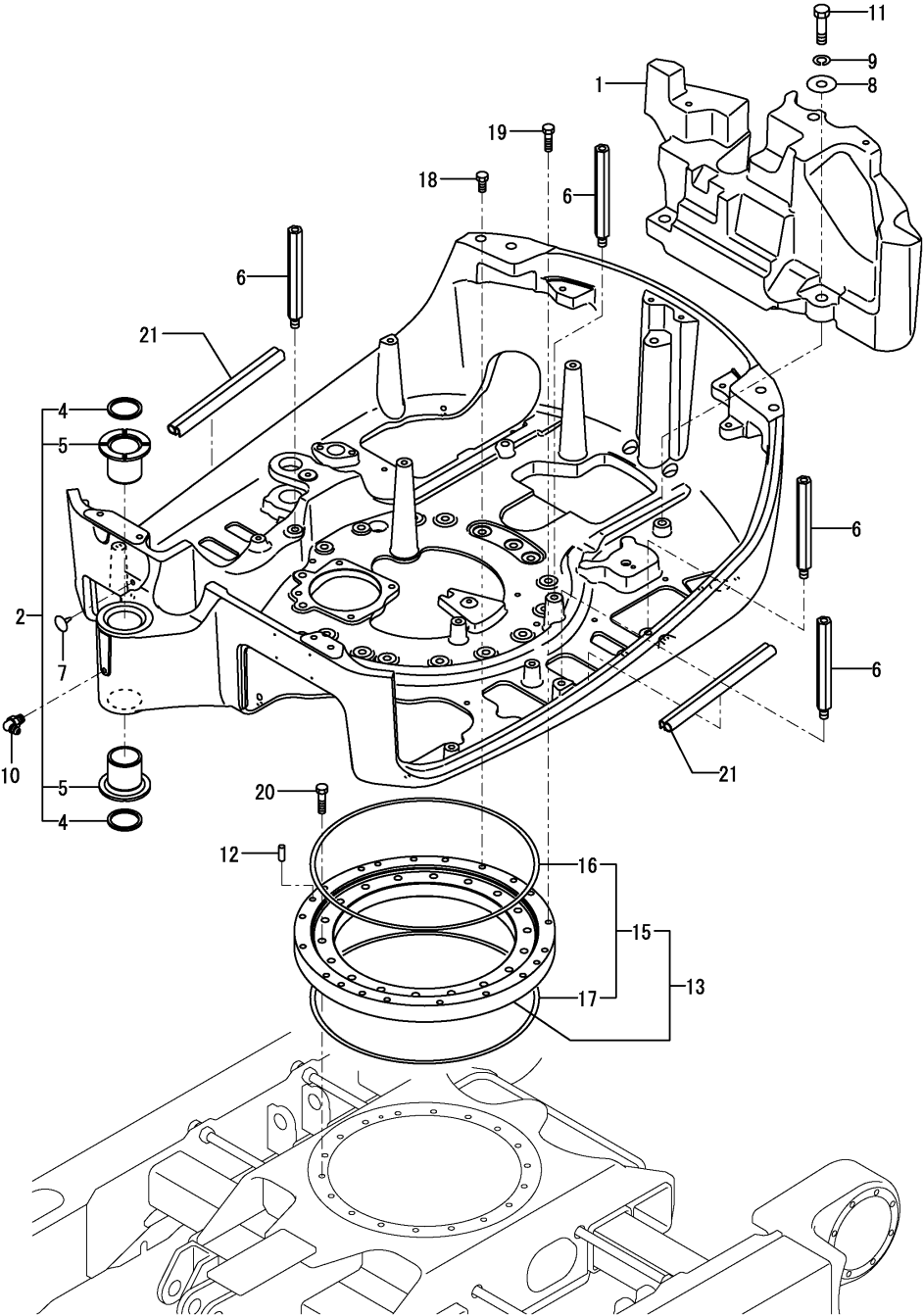


Remarks
(1)REMODELING KIT.
(2)REF.NO.1 D=340MM,
REF.NO.1-1 D= 330MM.

OCS10-G49500 29. TRACK FRAME

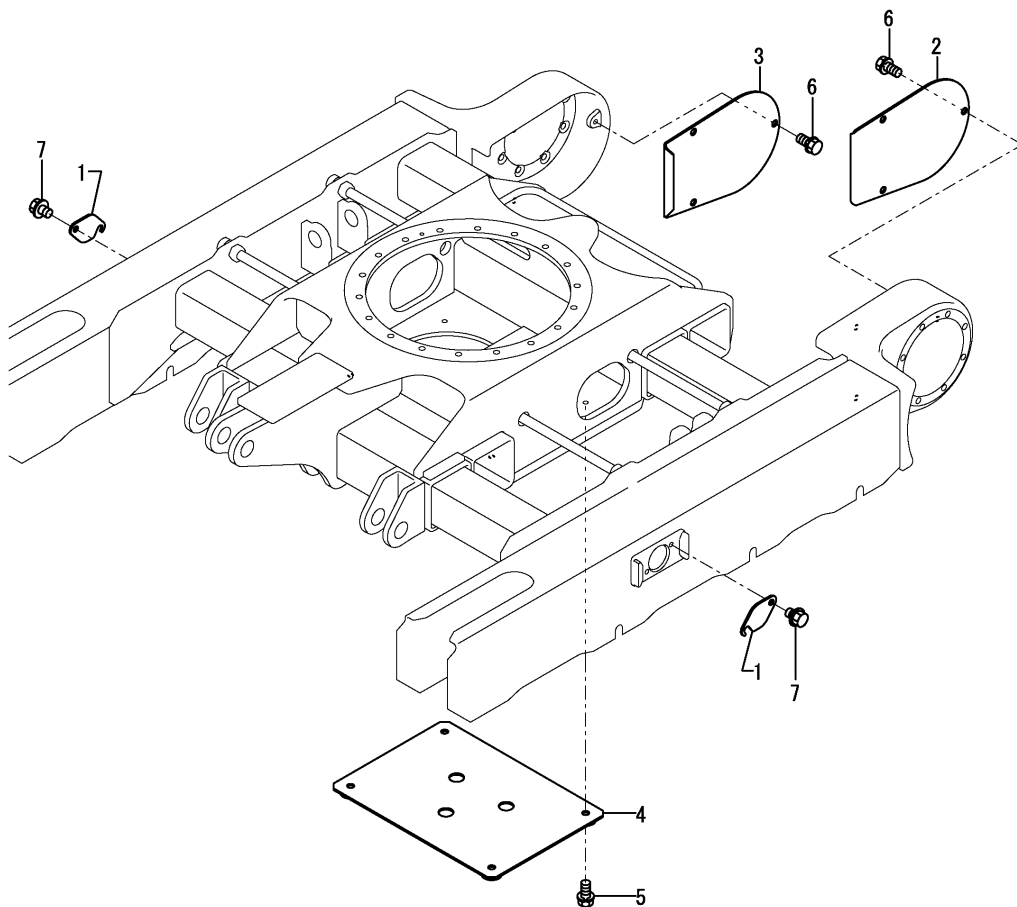
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-50200	FRAME,L-CENTER (49)	1	1	1	1				
1-1	1	172A64-50201	FRAME ASSY,L-CENTER	1	1	1	1			S	2
(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX)											
2	1	172A64-50400	FRAME,CRAWLER L(49)	1	1	1	1				
2-1	1	172A64-50401	FRAME,CRAWLER L(49)	1	1	1	1				N
(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX)											
2-2	1	172A64-50630	FRAME,CRAWLER L(49)	1							N
(A=M/#XXXXX)											
2-3A	1	172A64-50402	FRAME,CRAWLER L(49)		1	1	1				N
(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
2-3B	1	172A64-50631	FRAME,CRAWLER L(49)	1							N
(A=MZZZZZ)											
3	1	172A64-50410	FRAME,CRAWLER R(49)	1	1	1	1				
3-1	1	172A64-50411	FRAME,CRAWLER R(49)	1	1	1	1				N
(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX)											
3-2	1	172A64-50640	FRAME,CRAWLER R(49)	1							N
(A=M/#XXXXX)											
3-3A	1	172A64-50412	FRAME,CRAWLER R(49)		1	1	1				N
(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)											
3-3B	1	172A64-50641	FRAME,CRAWLER R(49)	1							N
(A=MZZZZZ)											
4	1	172A64-50700	BOLT ASSY, STOPPER	4	4	4	4				
4-1	1	172A64-50701	BOLT ASSY, STOPPER	4	4	4	4				R
(A=M/#01272) (B=M/#01272) (C=M/#01272) (D=M/#01272)											
5	1	22212-160000	SPRING WAHER 16	4	4	4	4				
6	1	26716-160002	NUT M16	8	8	8	8				
7	1	172448-50800-1	GUARD,SHOE (GRAY:49)								
8	1	172A64-50810	PLATE, SIDE LL (49)								1
9	1	172A64-50820	PLATE, SIDE LR (49)								1
10	1	172A64-50830	PLATE, SIDE RR (49)								1
11	1	172A64-50840	PLATE, SIDE RL (49)								1
12	1	22217-120000	WASHER, 12								16
13	1	26076-120252	BOLT, 12 X 25								4
14	1	26076-120302	BOLT, 12 X 30								12
15	1	172A64-50950	TIE DOWN KIT	1							W 1
(A=M/#XXXXX)											

Fig.30. TURNING FRAME & TURNING BEARING



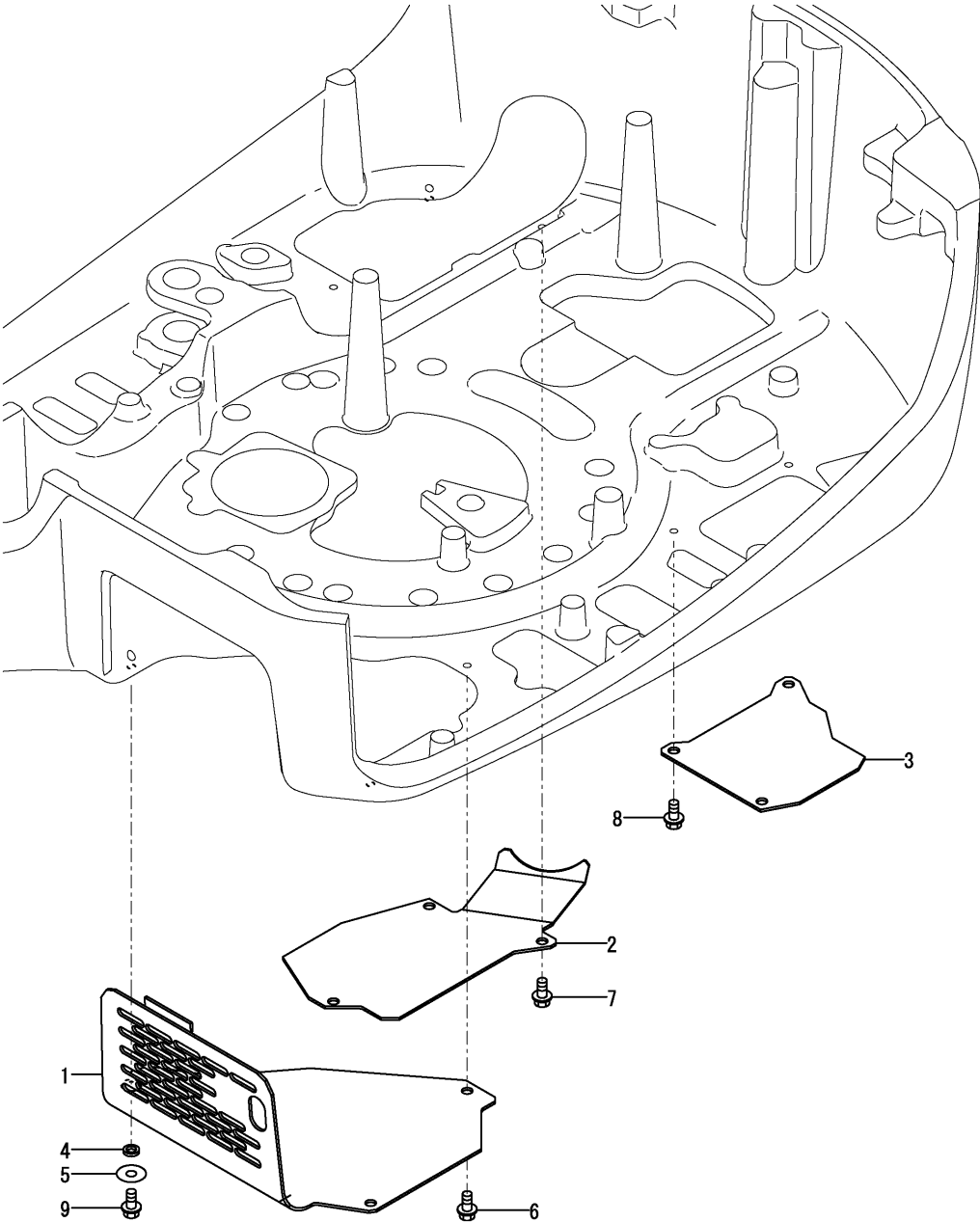
(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-53300	WEIGHT (GRAY:49)	1	1	1	1				
2	1	172A64-54100	FRAME,TURNING (49)	1	1	1	1				
4	2	172448-54120	SEAL 50X60X4,DUST	2	2	2	2				
5	2	172171-54750	BUSH 50X65	2	2	2	2				
6	1	172A64-54230	SUPPORT, STAND 185	4	4	4	4				
7	1	172176-68210	TREE CLIP (12)	2	2	2	2				
8	1	22157-140000	WASHER 14	3	3	3	3				
9	1	22212-160000	SPRING WAHER 16	3	3	3	3				
10	1	24761-050000	NIPPLE C,GREASE	1	1	1	1				
11	1	26116-160602	BOLT M16X 60 PLATED	3	3	3	3				
12	1	194940-24350	PIN 10X28,STRAIGHT	3	3	3	3				
13	1	172447-57600	BEARING,TURNING	1	1	1	1				
15	2	172149-57610	SEAL SET	1	1	1	1				
16	3	172149-57620	SEAL, UPPER	1	1	1	1				
17	3	172149-17630	TUBE	1	1	1	1				
18	1	26076-120252	BOLT 12* 25	3	3	3	3				
19	1	26076-120402	BOLT 10.9 12X 4	14	14	14	14				
20	1	26076-120452	BOLT M12X 45 PLATED	18	18	18	18				
21	1	172444-54920	SEAL,WEIGHT C	2	2	2	2				



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-50480-2	COVER,FRAME(GRAY:49)	2	2	2	2				
2	1	172A64-61500	COVER,MOTOR(GRAY:49)	1	1	1	1				
3	1	172A64-61510	COVER R,MOTOR (49)	1	1	1	1				
4	1	172A64-61520	COVER ASSY,SJ (49)	1	1	1	1				
5	1	26013-100202	BOLT W/WASHER M10X20	4	4	4	4				
6	1	26014-100202	BOLT M10X 20	6	6	6	6				
7	1	26106-100122	BOLT M10X 12 PLATED	4	4	4	4				

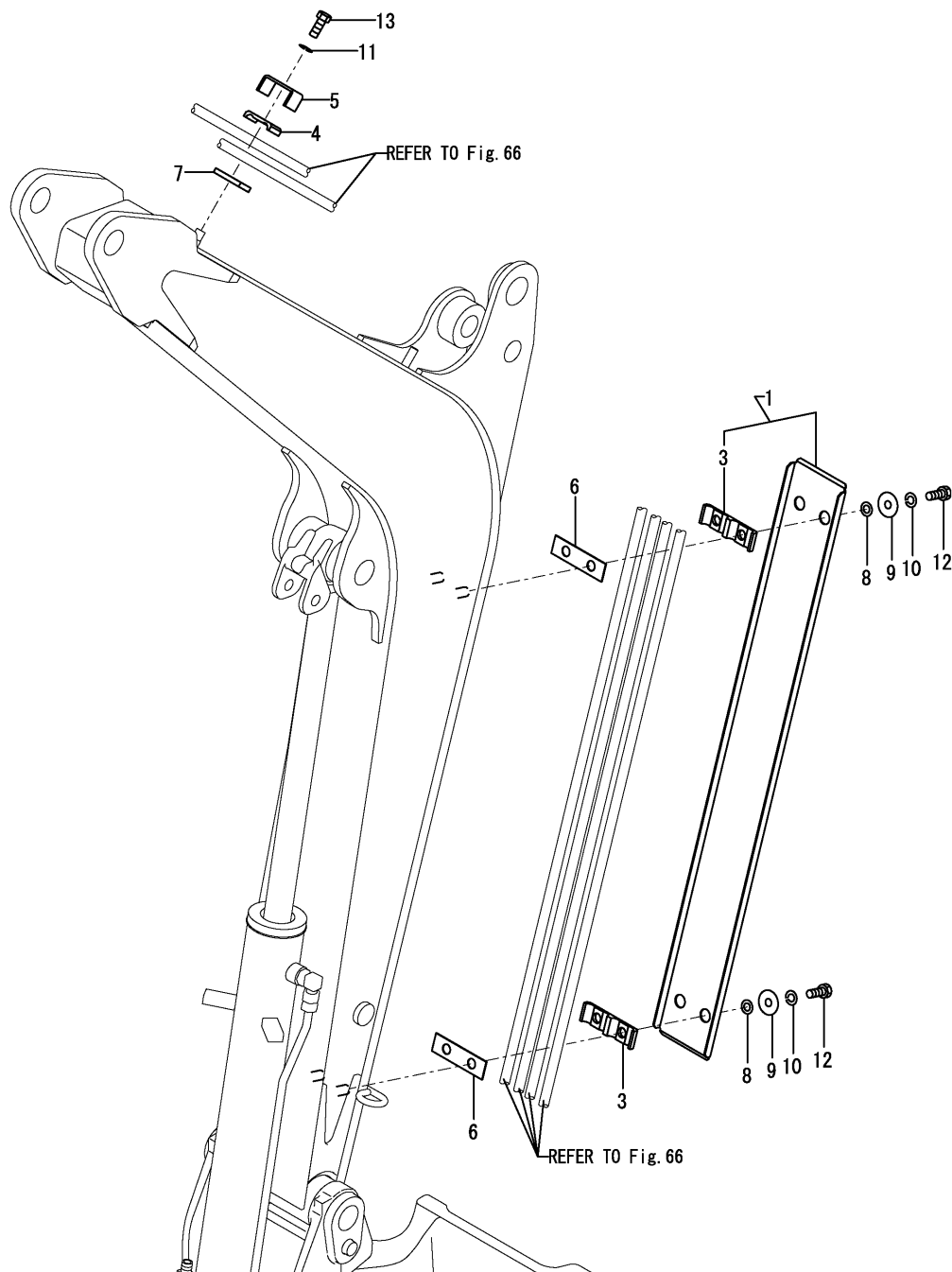
Fig.32. COVER(TURNING FRAME UNDER)



OCS10-G49500 32. COVER(TURNING FRAME UNDER)

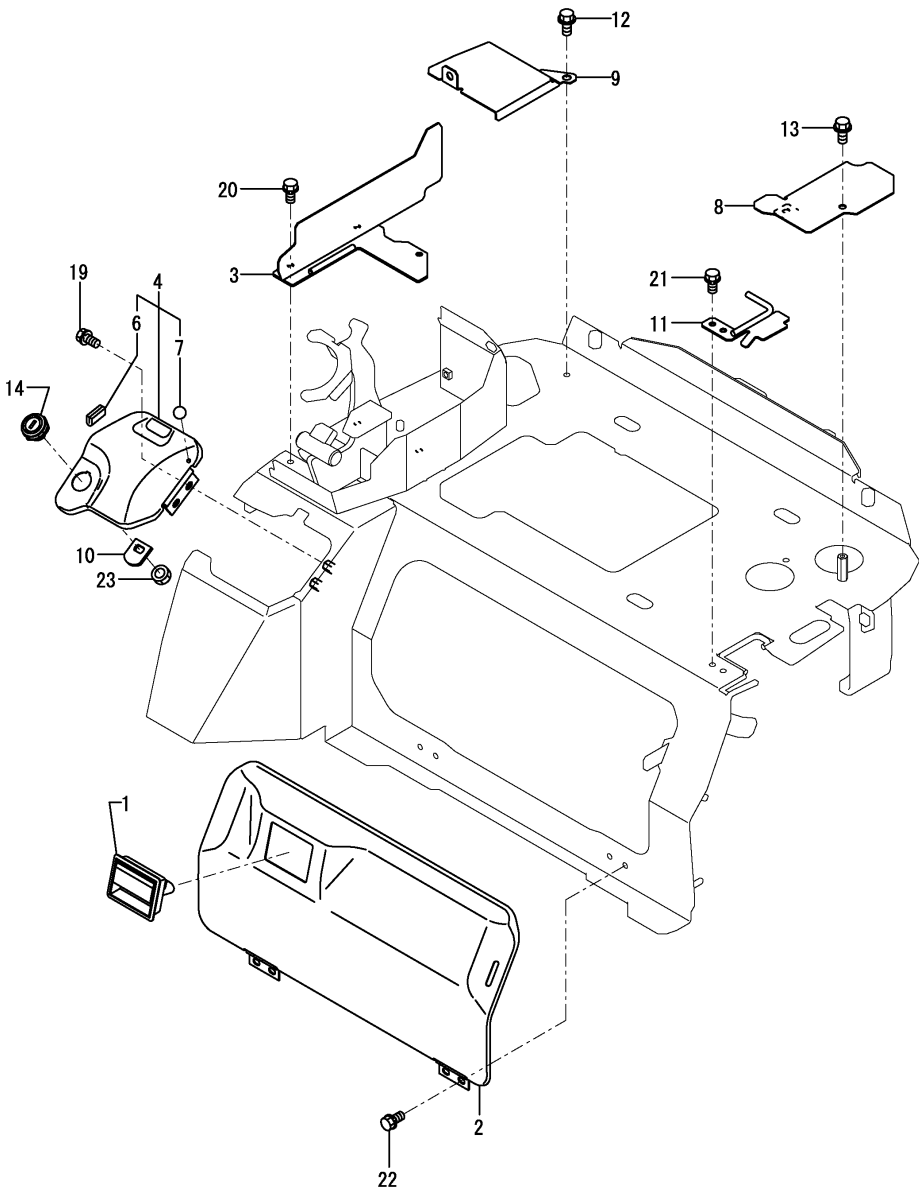
(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-61310	COVER ASSY,C/V (49)	1	1	1	1				
2	1	172A64-61340	UNDER COVER,EX (49)	1	1	1	1				
3	1	172A64-61350	COVER,PUMP (GRAY:49)	1	1	1	1				
4	1	172A64-61360	COLLAR	1	1	1	1				
5	1	22157-100000	WASHER 10	1	1	1	1				
6	1	26106-100162	BOLT M10X 16 PLATED	2	2	2	2				
7	1	26106-100162	BOLT M10X 16 PLATED	3	3	3	3				
8	1	26106-100162	BOLT M10X 16 PLATED	3	3	3	3				
9	1	26106-100202	BOLT M10X 20 PLATED	1	1	1	1				



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-61550-1	COVER ASSY, HOSE(2J)	1	1	1	1				
1-1	1	172A64-61550-Y	COVER ASSY, HOSE	1	1	1	1				S
		(A=M07001)	(B=M07001)	(C=M07001)	(D=M07001)						
3	2	172156-78510	SUPPORT, HOSE (A	2	2	2	2				
4	1	172156-78520	SUPPORT, HOSE (B	1	1	1	1				
5	1	172446-78750-2	CLAMP,HOSE(YELLOW:2J	1	1	1	1				
5-1	1	172446-78750-Y	CLAMP,HOSE	1	1	1	1				S
		(A=M07001)	(B=M07001)	(C=M07001)	(D=M07001)						
6	1	172446-78760	RUBBER PLATE A	2	2	2	2				
7	1	172446-78770	RUBBER PLATE B	1	1	1	1				
8	1	22117-080000	WASHER	4	4	4	4				
9	1	22157-080000	WASHER	4	4	4	4				
10	1	22217-080000	WASHER, SPRING	4	4	4	4				
11	1	22217-080000	WASHER, SPRING	1	1	1	1				
12	1	26116-080162	BOLT	4	4	4	4				
13	1	26116-080162	BOLT	1	1	1	1				

Fig.34. COVER(SEAT MOUNT)

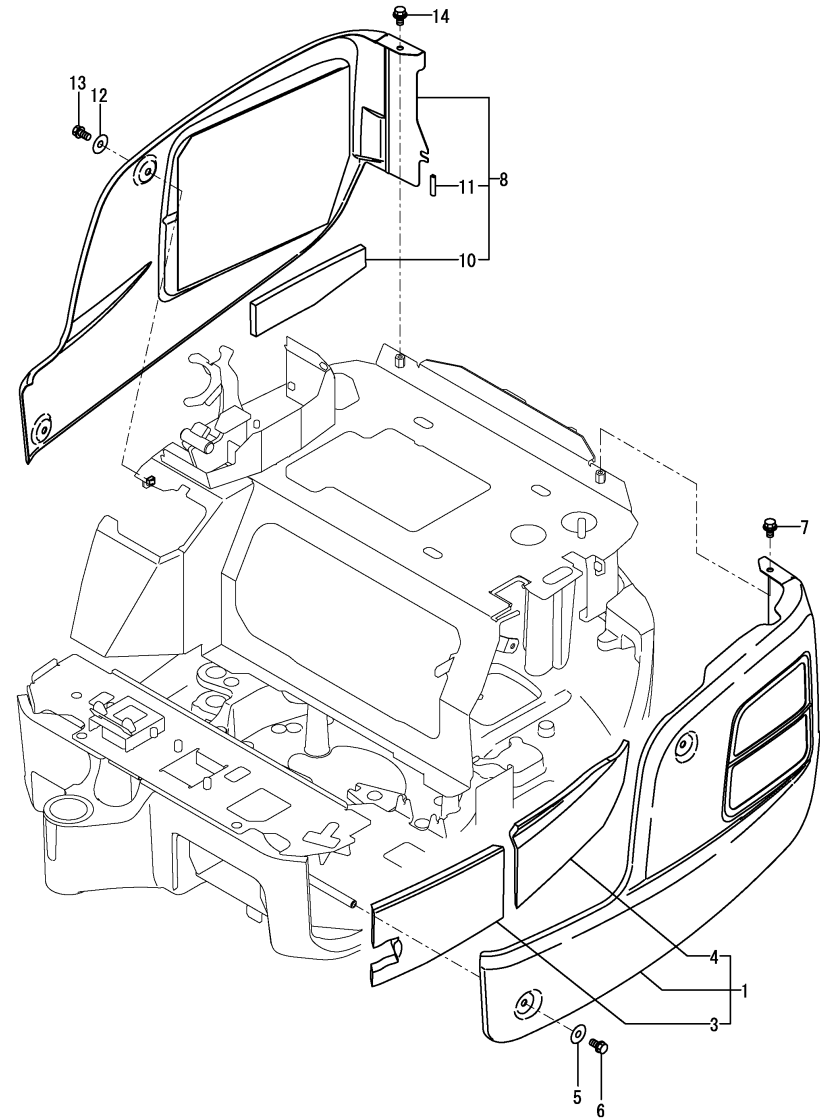


Remarks
(1)PLEASE USE THIS PART WITH FOLLOWI-
NG LABEL AT THE SAME TIME.
REF.NO.24A,24B & 24C.
(2)LABELS ARE NOT ILLUSTRATED.

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

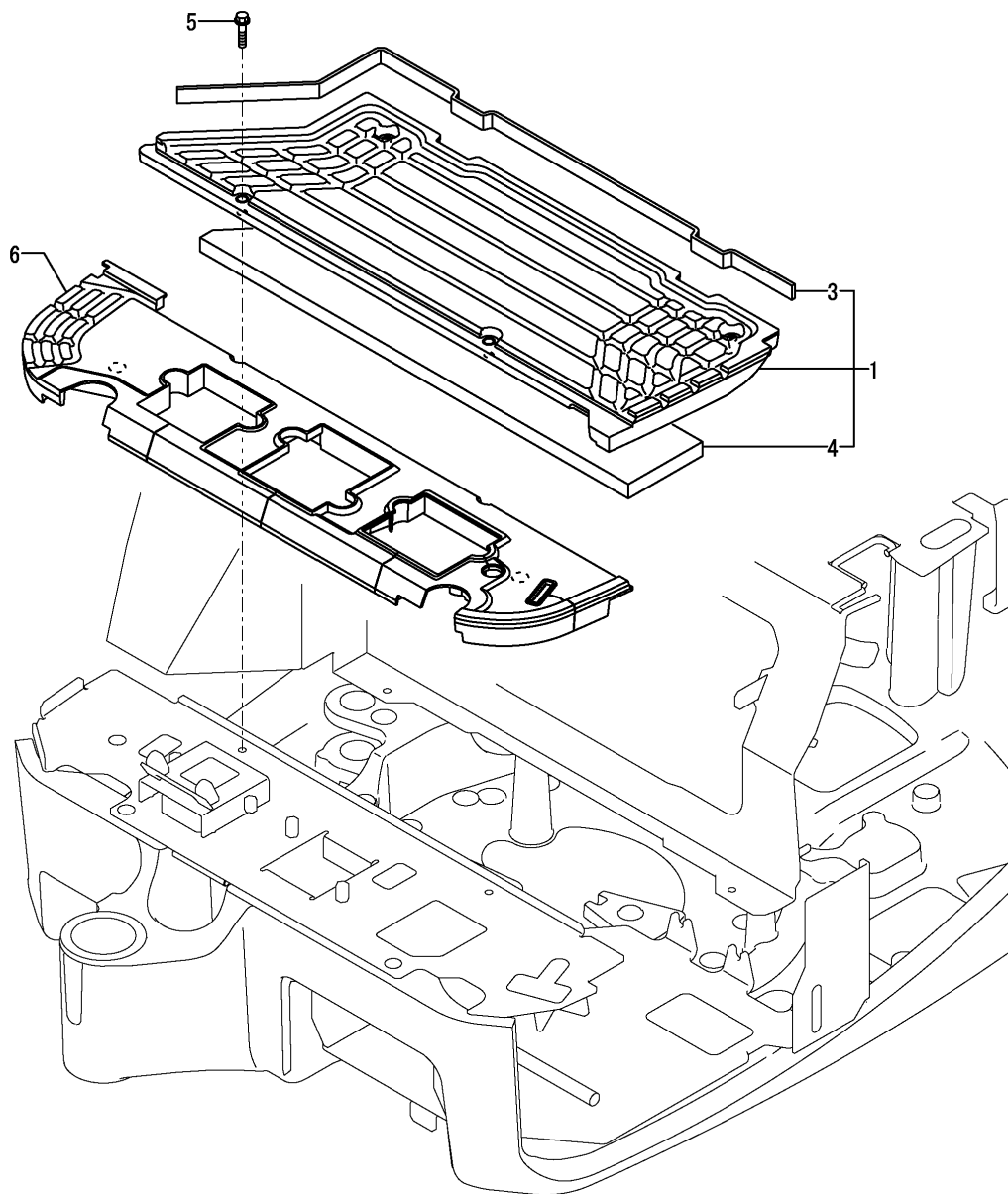
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1	1	1	1				1
2	1	172A64-61610	COVER ASSY,BATTERY	1	1	1	1				
3	1	172A64-61630	PLATE ASSY,COVER(73)	1	1	1	1				
4	1	172A64-61660	COVER ASSY,FO (73)	1	1	1	1				
6	2	172478-65220	RUBBER,20	1	1	1	1				
7	2	172176-67790	PLUG	1	1	1	1				
8	1	172A64-61700	COVER,RES CAP	1	1	1	1				
9	1	172A64-61710	COVER,RADIATOR CAP	1	1	1	1				
10	1	172A64-61820	LOCK PLATE,FO	1	1	1	1				
11	1	172A64-61850	PLATE ASSY,COVER(73)	1	1	1	1				
12	1	26014-080162	BOLT M 8X 16	2	2	2	2				
13	1	26014-080162	BOLT M 8X 16	2	2	2	2				
14	1	172164-66170	KEY ASSY, CYLINDER	1	1	1	1				
19	1	26014-080162	BOLT M 8X 16	2	2	2	2				
20	1	26014-080162	BOLT M 8X 16	4	4	4	4				
21	1	26014-080162	BOLT M 8X 16	2	2	2	2				
22	1	26014-080202	BOLT M 8X 20	4	4	4	4				
23	1	26347-100002	U-NUT M10	1	1	1	1				
24A	1	172437-03361	LABEL, BATTERY US	1	1	1	1				2
24B	1	172446-03652	LABEL, VARIABLE US	1	1	1	1				2
24C	1	172472-03141	LABEL, SUPPORT US	1	1	1	1				2

Fig.35. COVER(SIDE)



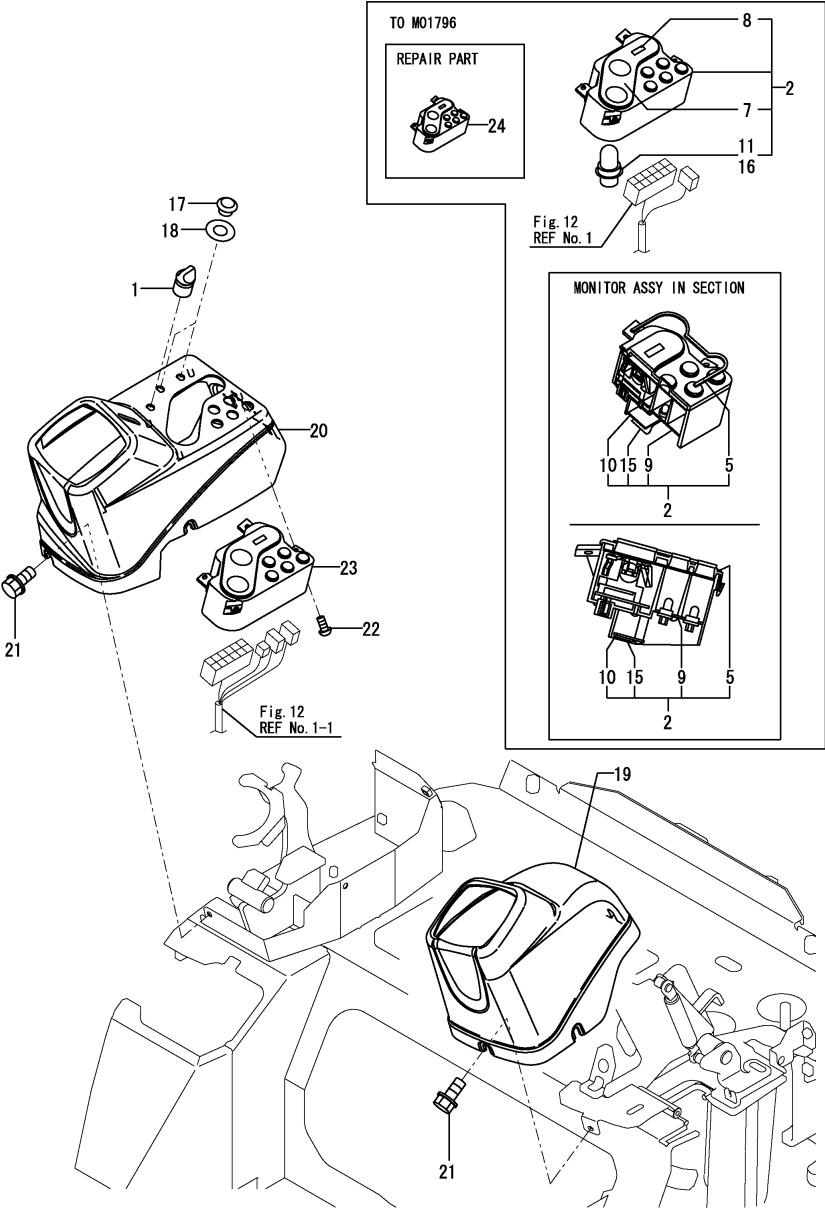
Remarks
(1)PLEASE USE THIS PART WITH FOLLOWI-
NG LABEL AT THE SAME TIME.
REF.NO.15A.
(2)PLEASE USE THIS PART WITH FOLLOWI-
NG LABEL AT THE SAME TIME.
REF.NO.16A & 16B.
(3)LABELS ARE NOT ILLUSTRATED.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-61400-1	COVER L ASSY (2J)	1	1	1	1				1
1-1	1	172A64-61400-Y	COVER L ASSY	1	1	1	1			S	1
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
3	2	172A64-61450	EV A,COVER L	1	1	1	1				
4	2	172A64-61460	EV B,COVER L	1	1	1	1				
5	1	22157-100000	WASHER	2	2	2	2				
6	1	26013-100202	BOLT	2	2	2	2				
7	1	26014-100202	BOLT	2	2	2	2				
8	1	172A64-61260	COVER R ASSY,OC (2J)	1	1	1	1				2
8-1	1	172A64-61260-Y	COVER R ASSY,OC	1	1	1	1			S	2
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
10	2	172A64-61470	EV A,COVER R	1	1	1	1				
11	2	172445-62010	TRIM	1	1	1	1				
12	1	22157-100000	WASHER	2	2	2	2				
13	1	26013-100202	BOLT	2	2	2	2				
14	1	26014-100202	BOLT	2	2	2	2				
15A	1	172437-03352	LABEL, CYLINDER	1	1	1	1				3
16A	1	172437-03352	LABEL, CYLINDER	1	1	1	1				3
16B	1	172437-03422	LABEL, MUFFLER	1	1	1	1				3



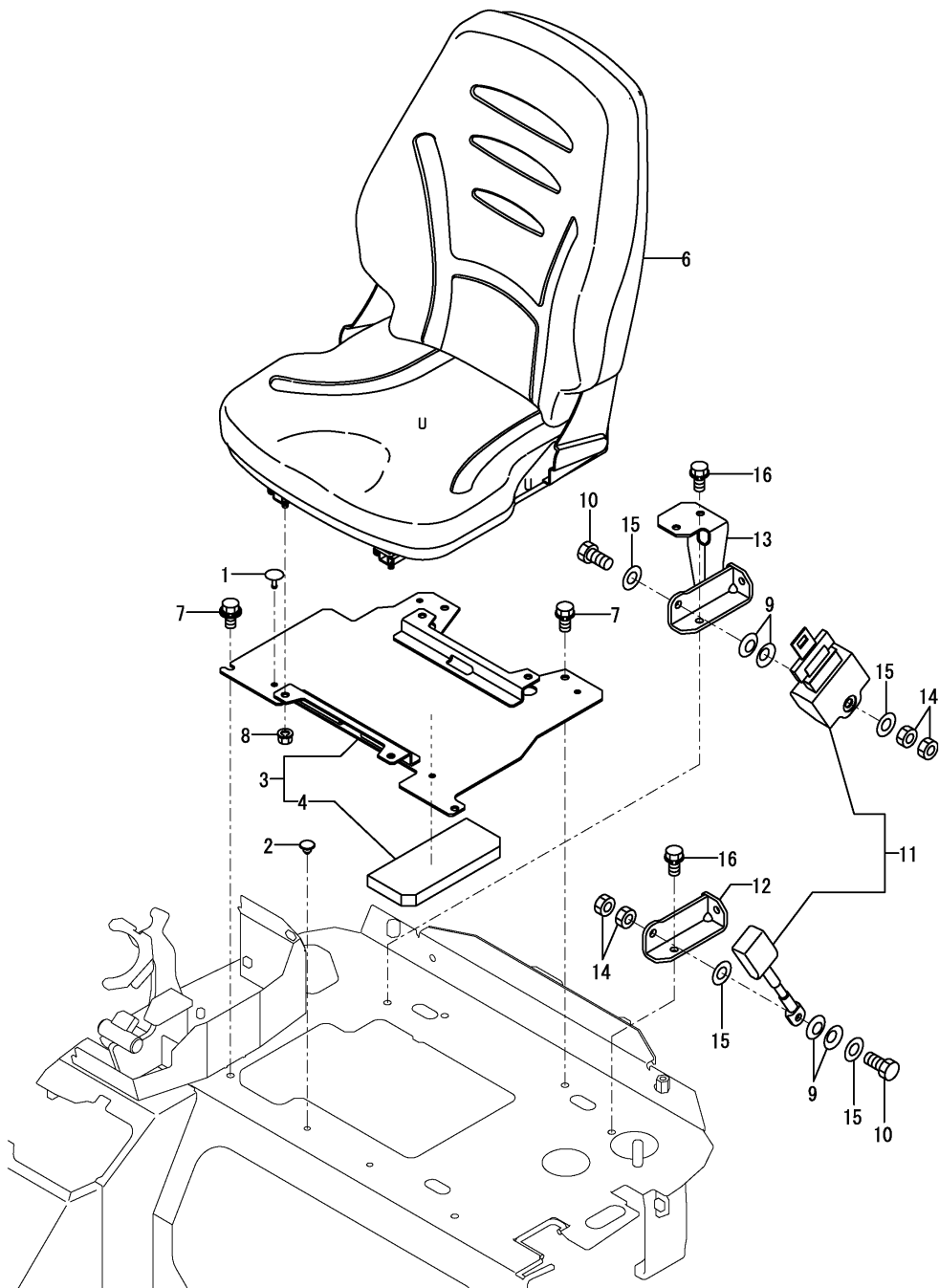
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A64-62100	STEP ASSY	1	1	1	1		
3	2	172A64-62120	SEAL,STEP	1	1	1	1		
4	2	172A64-62130	EV,STEP	1	1	1	1		
5	1	172448-62400	BOLT 8X35	4	4	4	4		
6	1	172A64-62270	FLOORMAT,PTO	1	1	1	1		

Fig.37. INSTRUMENT PANEL



Remarks
(1)HOUR METER = ANALOG TYPE.
COPEs IN REF.NO.24.
(2)HOUR METER = L.C.D. TYPE.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-17280	SWITCH ASSY, LIGHT	1	1	1	1				
2	1	172472-17501	MONITOR PANEL ASSY	1	1	1	1			Z	1
(A=M01797) (B=M01797) (C=M01797) (D=M01797)											
5	2	172187-17320	PACKING	1	1	1	1				
7	2	172187-17341	GAUGE ASSY	1	1	1	1				
8	2	172187-17350	METER ASSY, HOUR	1	1	1	1				
9	2	172187-17360	PRINT,CIRCUIT	1	1	1	1				
10	2	172187-17371	CIRCUIT ASSY	1	1	1	1				
11	2	172187-17380	BULB,T6.5-13.5V-2W	4	4	4	4				
15	2	172187-17470	PLATE	1	1	1	1				
16	2	172187-17480	BULB,T5-14V-2W	2	2	2	2				
17	1	172187-17560	CAP	2	2	2	2				
18	1	172187-17570	GASKET	2	2	2	2				
19	1	172A47-63110	IN-PANE,L	1	1	1	1				
20	1	172A47-63121	IN-PANE,R	1	1	1	1				
21	1	172519-63240	BOLT 8X 16	6	6	6	6				
22	1	22857-500121	SCREW 5X12	4	4	4	4				
23	1	172A77-17250	MONITOR ASSY	1	1	1	1				W
(A=M01797) (B=M01797) (C=M01797) (D=M01797)											
24	1	172A77-17500	MONITOR ASSY	1	1	1	1				W 2
(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)											



0CS10-G49500 38. SEAT & SEAT BELT

(A)=VIO17(US)

(B)=VIO17(AS)

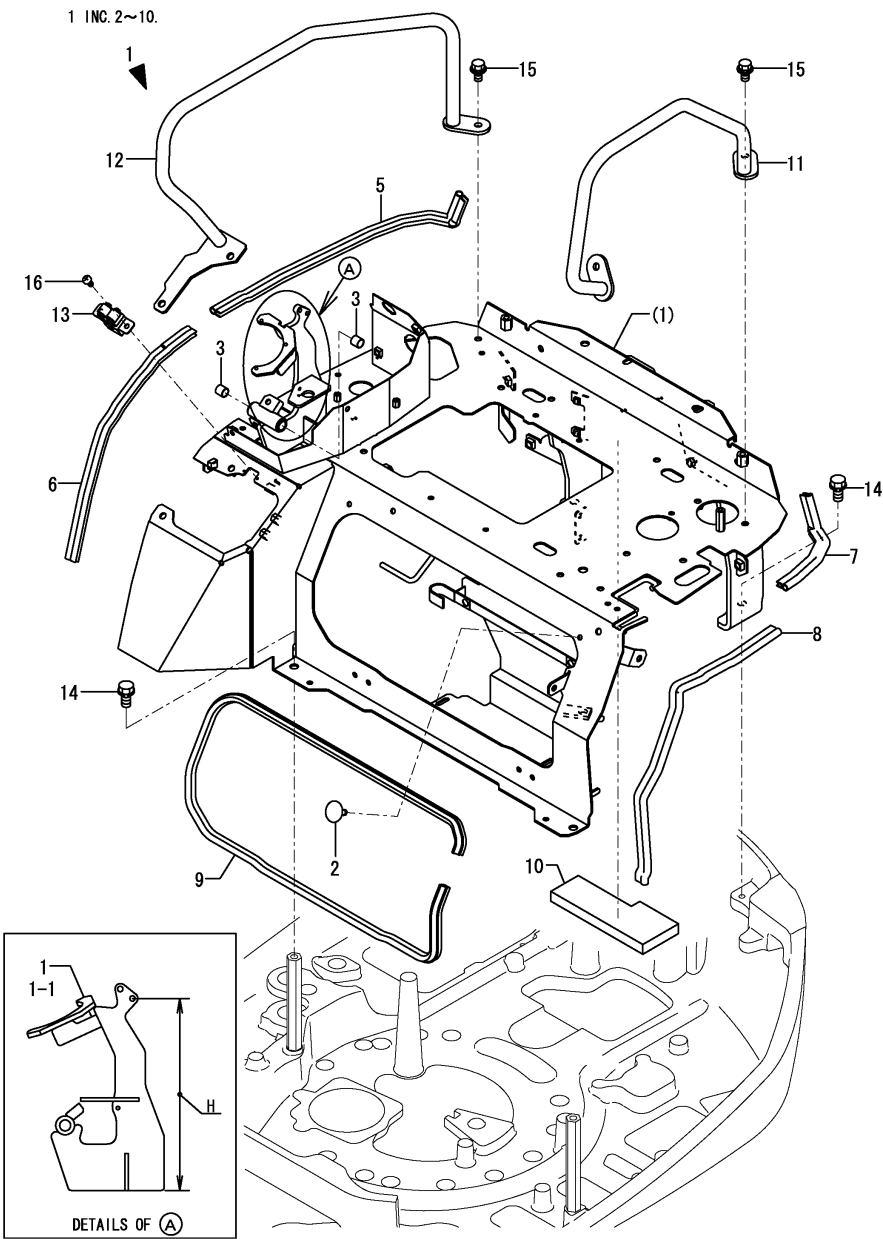
(C)=VIO17(NZ)

(D)=VIO17(SG)

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172122-17190	CLIP	4	4	4	4				
2	1	172444-17660	CLIP	2	2	2	2				
3	1	172A64-64130	PLATE ASSY,US (73)	1	1	1	1				
4	2	172A64-64120	EV,SEAT BASE	1	1	1	1				
6	1	172A46-64200	OPERATOR SEAT ASSY	1	1	1	1				
7	1	26014-100202	BOLT M10X 20	4	4	4	4				
8	1	26051-080002	NUT M 8	4	4	4	4				
9	1	172652-64220	SPRING 12	4	4	4	4				
10	1	172433-64511	BOLT 7/16-20-UNF	2	2	2	2				
11	1	172A23-64770	SEAT BELT ASSY	1	1	1	1				
12	1	172A64-64800	BRACKET,SEAT BELT(73	1	1	1	1				
13	1	172A64-64820	BRACKET ASSY,BELT(73	1	1	1	1				
14	1	172187-64831	NUT 7/16-20-UNF	4	4	4	4				
15	1	22137-120000	WASHER 12,POLISHED	4	4	4	4				
16	1	26014-100252	BOLT 10X25 W/PLW+SPW	4	4	4	4				

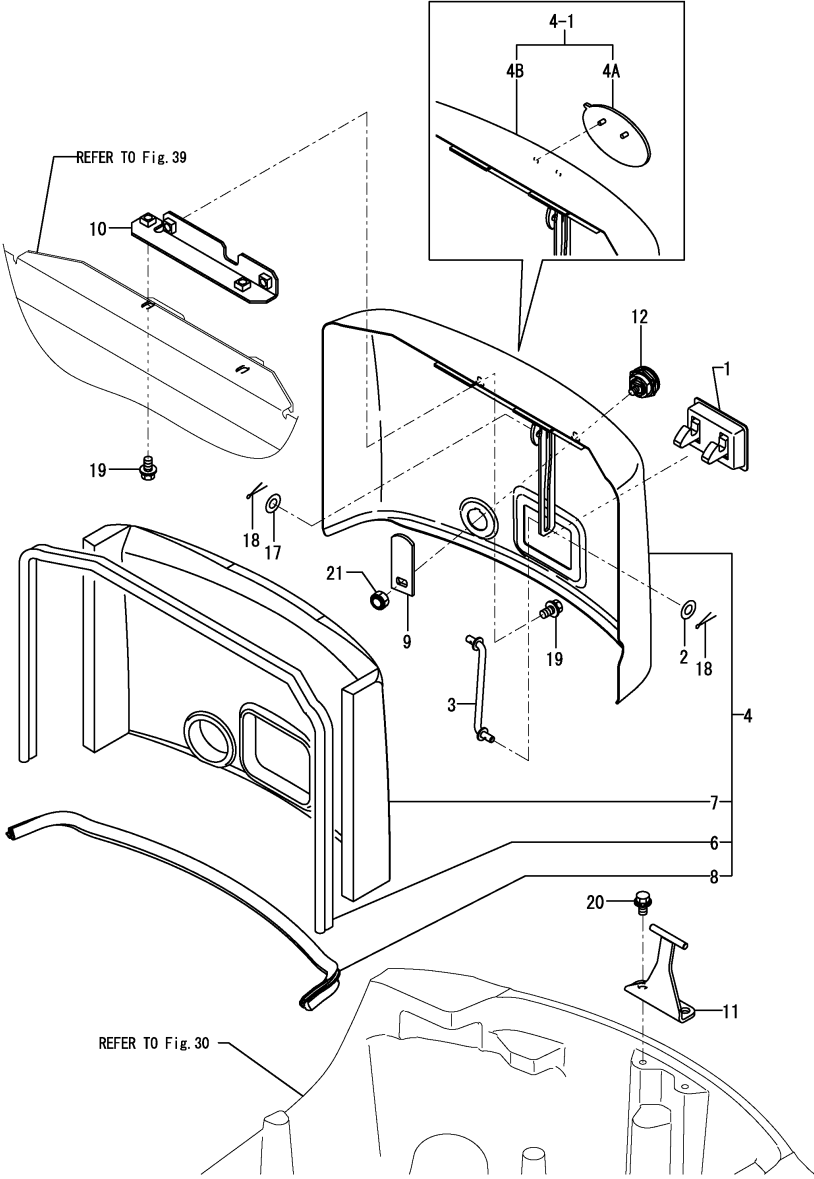
Fig.39. SEAT MOUNT



Remarks
(1)REF.NO.1 H=260MM,
REF.NO.1-1 H=263MM.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-64200	MOUNT ASSY,SEAT (73)	1	1	1	1				
1-1	1	172A64-64201	MOUNT ASSY,SEAT	1	1	1	1			S	1
(A=M03318) (B=M03318) (C=M03318) (D=M03318)											
2	2	172122-17190	CLIP	2	2	2	2				
3	2	172141-41360	BUSH 1415	2	2	2	2				
5	2	172A64-64910	SEAL,600	1	1	1	1				
6	2	172A64-64920	SEAL,480	1	1	1	1				
7	2	172A64-64930	SEAL,240	1	1	1	1				
8	2	172A64-64940	SEAL,560	1	1	1	1				
9	2	172A64-64950	SEAL,1500	1	1	1	1				
10	2	172A64-64960	EV,SEAT MOUNT	1	1	1	1				
11	1	172A64-64710	PIPE,HAND HOLD (73)	1	1	1	1				
12	1	172A64-64730	PIPE,HAND HOLD (73)	1	1	1	1				
13	1	172448-65680	ROLLER CATCH,F	1	1	1	1				
14	1	26013-120302	BOLT W/WASHER M12X30	4	4	4	4				
15	1	26014-100202	BOLT M10X 20	5	5	5	5				
16	1	26557-040082	SCREW M 4X 8	2	2	2	2				

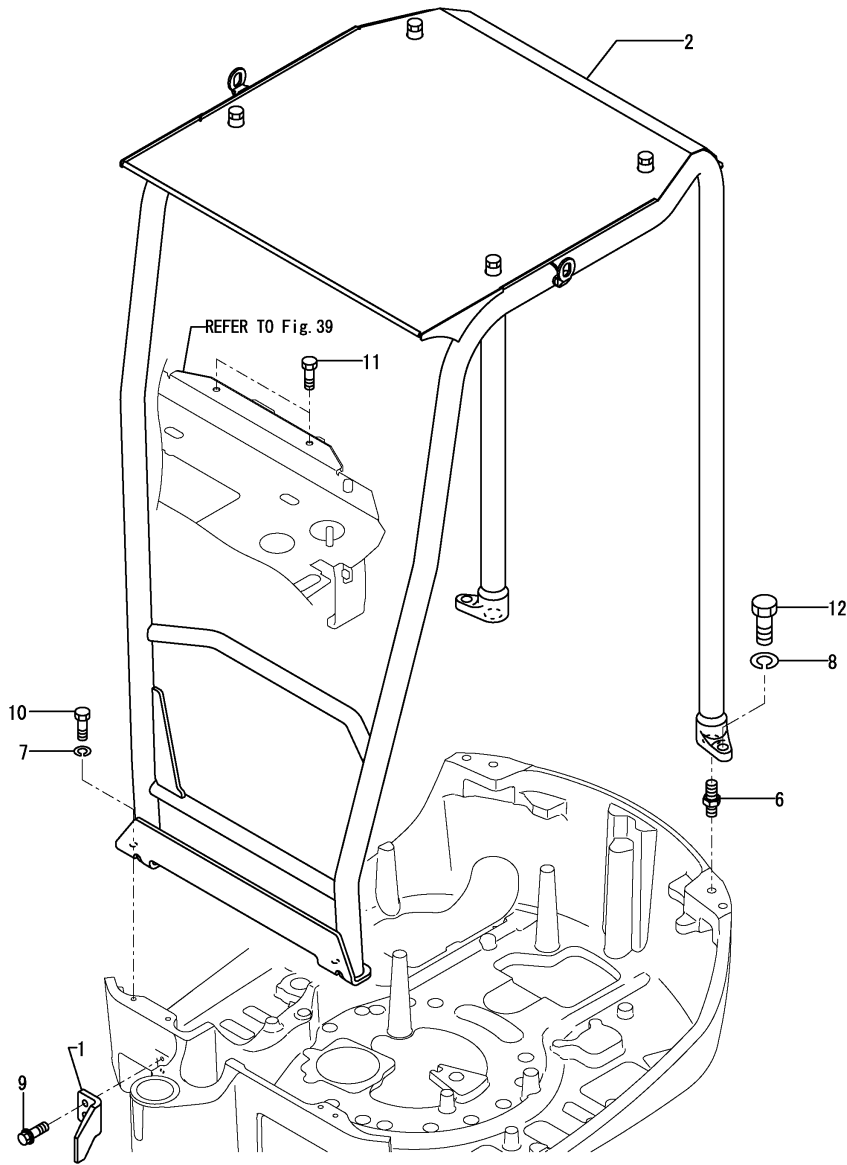
Fig.40. BONNET



Remarks
(1)PLEASE USE THIS PART WITH FOLLOWI-
NG LABEL AT THE SAME TIME.
REF.NO.22A,22B,22C & 22D.
(2)LABELS ARE NOT ILLUSTRATED.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1	1	1	1				
2	1	1A1380-62160	WASHER	1	1	1	1				
3	1	172444-64730	ROD ASSY, STOPPER	1	1	1	1				
4	1	172A64-65100-1	HOOD, ASSY(YELLOW:2J)	1	1	1	1				1
4-1	1	172A64-65580	BONNET KIT, ENBLEM Y	1	1	1	1				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
4A	2	172A64-03050	EMBLEM ASSY, L1 Y	1	1	1	1				W
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
4B	2	172A64-65600	BONNET ASSY	1	1	1	1				W 1
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
6	3	172A64-65160	SEAL, 1170	1	1	1	1				
7	3	172A64-65170	EV, BONNET	1	1	1	1				
8	3	172649-65770	SEAL C, RUBBER	1	1	1	1				
9	1	172A64-65180	PLATE, LOCK	1	1	1	1				
10	1	172A64-65200	MOUNT ASSY, BONNET(73	1	1	1	1				
11	1	172A64-65250	ROCK ASSY	1	1	1	1				
12	1	172164-66170	KEY ASSY, CYLINDER	1	1	1	1				
17	1	22137-080000	WASHER	1	1	1	1				
18	1	22417-200200	PIN, COTTER	2	2	2	2				
19	1	26014-100202	BOLT	4	4	4	4				
20	1	26014-100202	BOLT	2	2	2	2				
21	1	26347-100002	NUT	1	1	1	1				
22A	1	172A64-03380	LABEL, SWING AREA US	1	1	1	1				2
22B	1	172437-03391	LABEL, RADIATOR	1	1	1	1				2
22C	1	172437-03402	LABEL, ENGINE COVER	1	1	1	1				2
22D	1	172A36-03411	LABEL, ENGINE ROOM	1	1	1	1				2

Fig.41. CANOPY(ROPS)



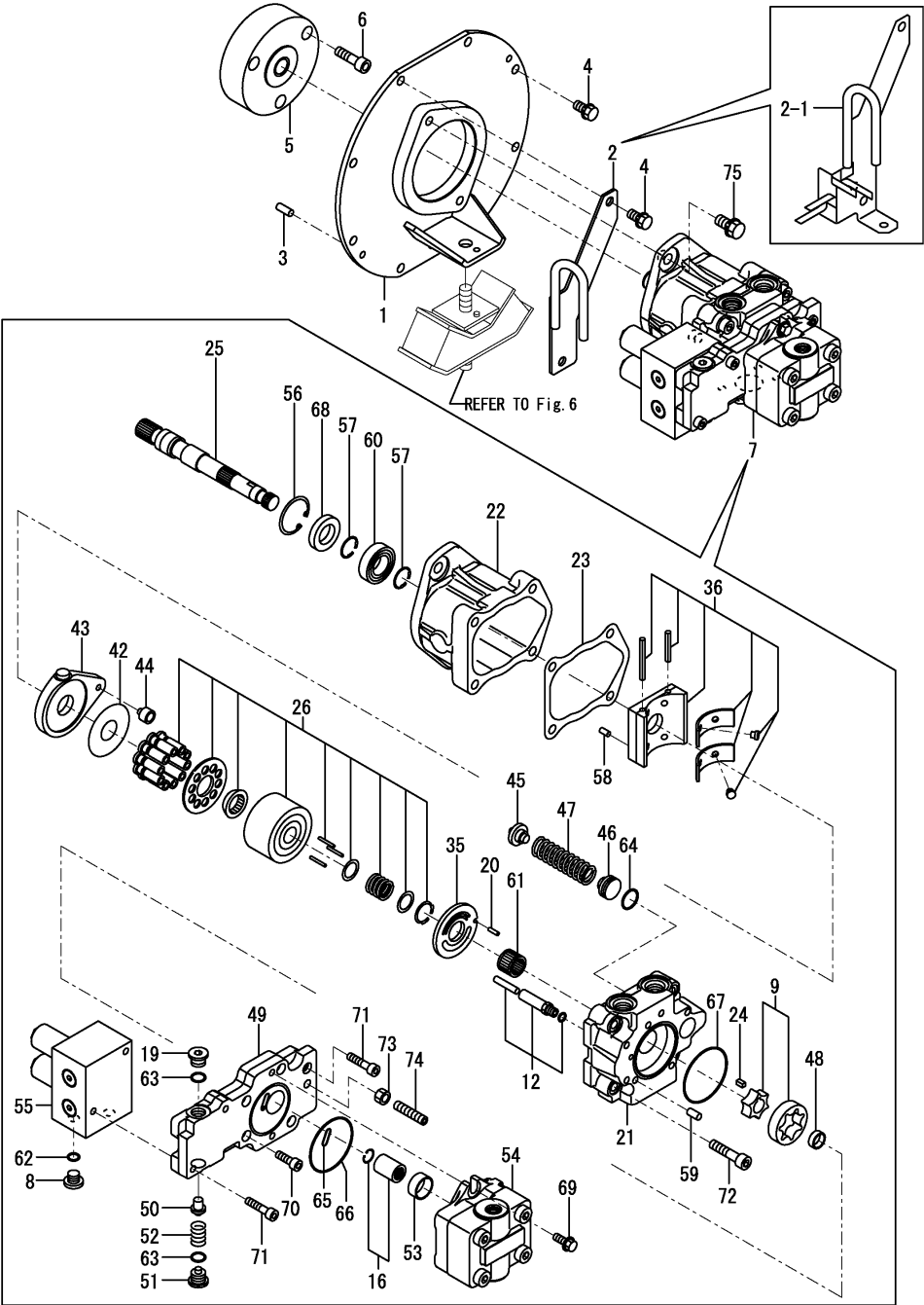
Remarks
(1)PLEASE USE THIS PART WITH FOLLOWI-
NG LABEL AT THE SAME TIME.
REF.NO.13A,13B,13C,13D,13E,13F,13G
13H,13I & 13J.
(2)LABELS ARE NOT ILLUSTRATED.

OCS10-G49500 41. CANOPY(ROPS)

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-54150	STOPPER,BOOM BRACKET	1	1	1	1				
2	1	172A64-66280	CANOPY ASSY,ROPS(73)	1	1	1	1				1
6	1	172A64-68250	JOINT21-M20X28	2	2	2	2				
7	1	22217-120000	SPRING WASHER 12	2	2	2	2				
8	1	22217-200000	SPRING WASHER 20	2	2	2	2				
9	1	26014-100302	BOLT M10X 30	2	2	2	2				
10	1	26076-120352	BOLT M12X 35	2	2	2	2				
11	1	26116-120252	BOLT M12X 25 PLATED	2	2	2	2				
12	1	26076-200502	BOLT, 20 X 50	2	2	2	2				
13A	1	172437-03312	LABEL,SLOPE US	1	1	1	1				2
13B	1	172437-03343	LABEL, TRANSPORT US	1	1	1	1				2
13C	1	172437-03372	LABEL, NEUTRAL US	1	1	1	1				2
13D	1	172437-03432	LABEL, STEERING US	1	1	1	1				2
13E	1	172437-03441	LABEL, ROPS US	1	1	1	1				2
13F	1	172437-03451	LABEL, SEAT BELT US	1	1	1	1				2
13G	1	172437-03471	LABEL, LEVER LOCK US	1	1	1	1				2
13H	1	172A64-03560	LABEL,LIFT US	1	1	1	1				2
13I	1	172437-03601	LABEL, 2-WAY US	1	1	1	1				2
13J	1	172437-03302	LABEL, MANUAL US	1	1	1	1				2

Fig.42. HYD.OIL PUMP & JOINT

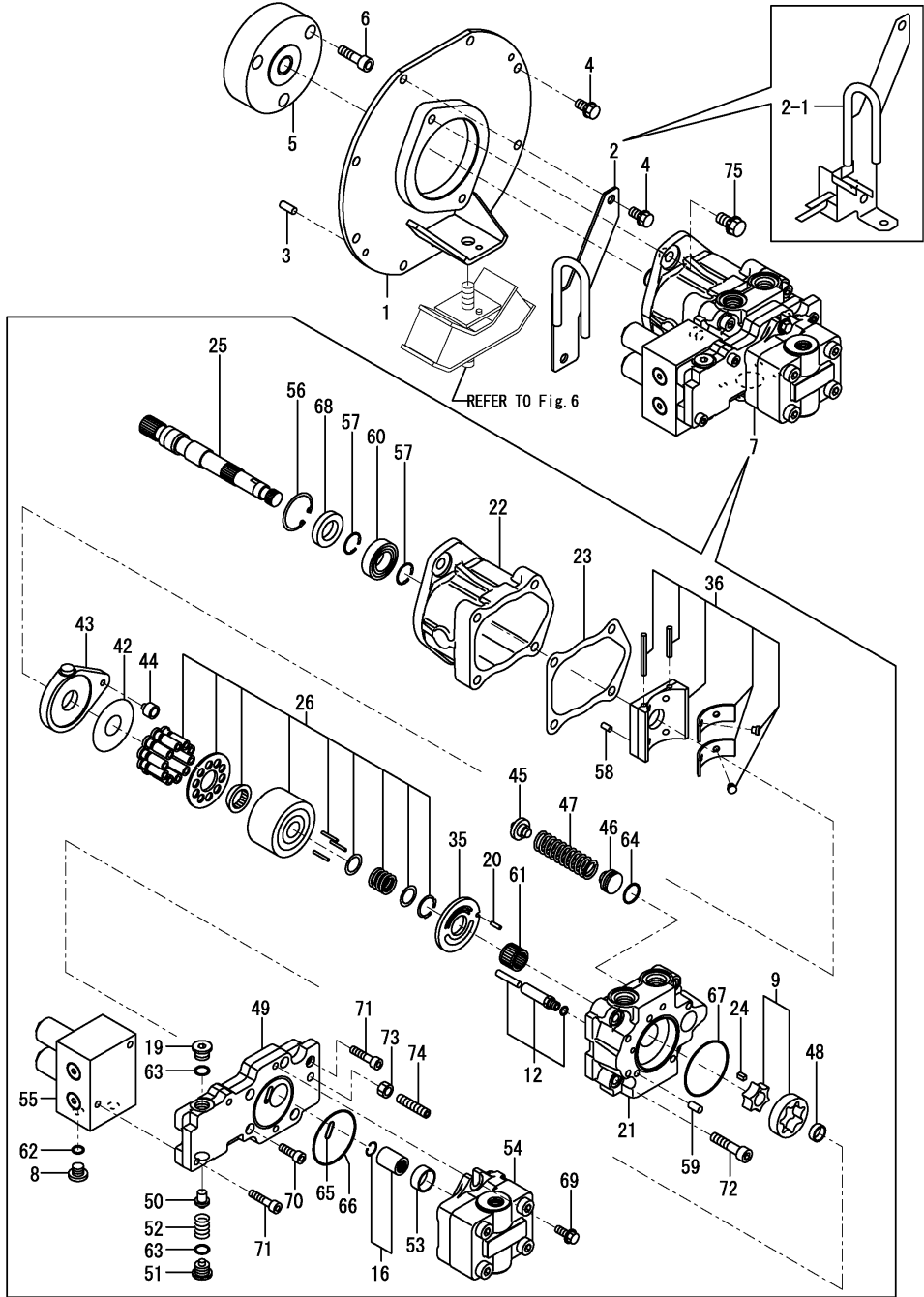


0CS10-G49500 42. HYD.OIL PUMP & JOINT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-71100	MOUNT ASSY,PUMP	1	1	1	1				
2	1	172A64-71210	GUIDE ASSY,HOSE	1	1	1	1				
2-1	1	172A64-71211	GUIDE ASSY,HOSE	1	1	1	1				S
(A=M02841) (B=M02841) (C=M02841) (D=M02841)											
3	1	22312-080200	PARALLEL PIN 8X20	2	2	2	2				
4	1	26013-100252	BOLT W/WASHER M10X25	8	8	8	8				
5	1	172448-71200	COUPLING	1	1	1	1				
6	1	26450-100352	BOLT M10X 35	3	3	3	3				
7	1	172A64-73100	PUMP ASSY,HYD OIL	1	1	1	1				
8	2	178076-12400	PLUG, G1/4	2	2	2	2				
9	2	1E1271-27620	ROTOR SET 13	1	1	1	1				
12	2	168PA0-29010	POWER PISTON SET	1	1	1	1				
16	2	168PA0-29020	COUPLING SET	1	1	1	1				
19	2	1A6750-29850	PLUG	1	1	1	1				
20	2	158802-85040	PIN,PARALLEL(4X14	1	1	1	1				
21	2	168PA0-86010	PORT BLOCK	1	1	1	1				
22	2	168PA0-86020	HOUSING	1	1	1	1				
23	2	168PA0-86030	PACKING	1	1	1	1				
24	2	168PA0-86050	KEY	1	1	1	1				
25	2	168PA0-86060	SHAFT	1	1	1	1				
26	2	168PA0-86140	PLUNGER BLOCK CMP	1	1	1	1				
35	2	168PA0-86210	VALVE PLATE	1	1	1	1				
36	2	168PA0-86290	CRADLE HOLDER CMP	1	1	1	1				
42	2	168PA0-86330	THRUST PLATE	1	1	1	1				
43	2	168PA0-86340	CRADLE (MD-9CA)	1	1	1	1				
44	2	158842-86360	RETAINER	1	1	1	1				
45	2	158842-86610	RETAINER	1	1	1	1				
46	2	158842-86620	RETAINER	1	1	1	1				
47	2	168PA0-86650	SPRING(CRADLE)	1	1	1	1				
48	2	168PA0-86720	BUSHING(17X8)	1	1	1	1				
49	2	168PA0-86730	CONTROL BLOCK	1	1	1	1				
50	2	168PA0-86740	RELIEF VALVE	1	1	1	1				
51	2	168PA0-86750	PLUG (RELIEF VALVE)	1	1	1	1				
52	2	168PA0-86760	SPRING(RELIEF VALVE)	1	1	1	1				
53	2	168PA0-86830	COLLAR (GEAR PUMP)	1	1	1	1				
54	2	168PA0-87010	GEAR PUMP ASSY	1	1	1	1				
55	2	168PA0-87020	SOLENOID VALVE ASSY	1	1	1	1				
56	2	22252-000420	CIRCLIP 42	1	1	1	1				
57	2	22292-000250	CIRCLIP 25	2	2	2	2				
58	2	22312-060120	PARALLEL PIN 6X12	3	3	3	3				
59	2	22312-080160	PARALLEL PIN 8X 16	2	2	2	2				
60	2	24101-060054	BALL BEARING 6005	1	1	1	1				
61	2	24162-202620	NEEDLE BEARING	1	1	1	1				
62	2	24311-000110	O-RING 1A P-11.0	2	2	2	2				
62-1	2	24315-000110	O-RING 1B P-11.0	2	2	2	2				N
(A=M/#00977) (B=M/#00977) (C=M/#00977) (D=M/#00977)											
63	2	24311-000140	O-RING 1A P-14.0	2	2	2	2				
63-1	2	24315-000140	O-RING 1B P-14.0	2	2	2	2				N
(A=M/#00977) (B=M/#00977) (C=M/#00977) (D=M/#00977)											
64	2	24311-000220	O-RING 1A P-22.0	1	1	1	1				
64-1	2	24315-000220	O-RING 1B P-22.0	1	1	1	1				N

N:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, Q:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, R:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, S:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
(C)Copyrights YANMAR CO.,LTD.

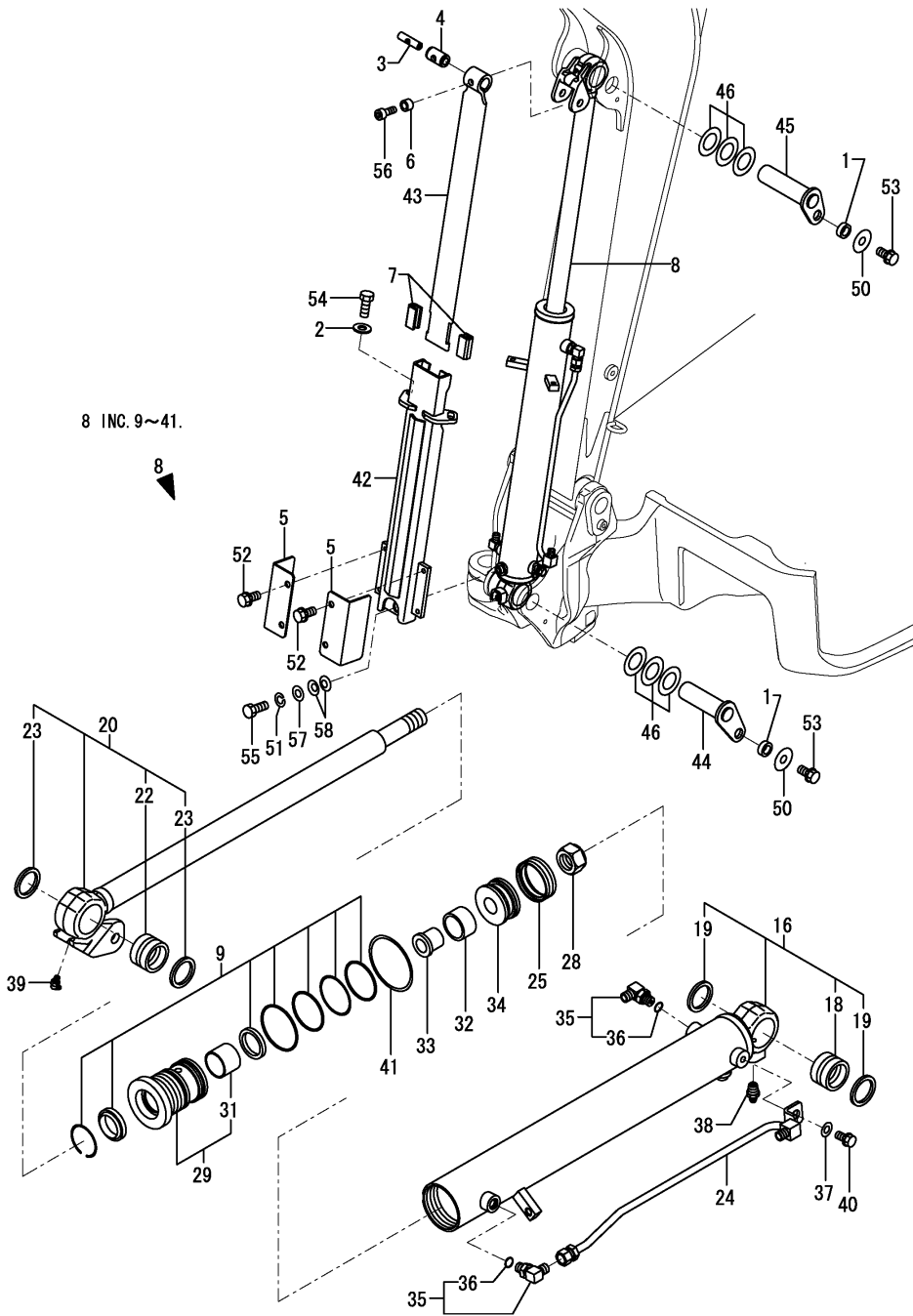
Fig.42. HYD.OIL PUMP & JOINT



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=M/#00977)	(B=M/#00977)	(C=M/#00977)	(D=M/#00977)						
65	2	24341-000140	O-RING 1A S-14.0	4	4	4	4				
65-1	2	194327-45640	O-RING 1A S-14.0	4	4	4	4			N	
		(A=M/#00977)	(B=M/#00977)	(C=M/#00977)	(D=M/#00977)						
66	2	24341-000630	O-RING 1A S-63.0	1	1	1	1				
67	2	24341-000670	O-RING 1A S-67.0	1	1	1	1				
68	2	24421-254208	SEAL TC25 42 08, OIL	1	1	1	1				
69	2	26106-080202	BOLT M 8X 20 PLATED	2	2	2	2				
70	2	26450-080252	BOLT M 8X 25	4	4	4	4				
71	2	26450-080352	BOLT M 8X 35	3	3	3	3				
72	2	26450-100452	BOLT M10X 45	4	4	4	4				
73	2	26716-100002	NUT 10	1	1	1	1				
74	2	26979-100452	SCREW, 10 X 45	1	1	1	1				
75	1	26013-120352	BOLT M12X 35	2	2	2	2				

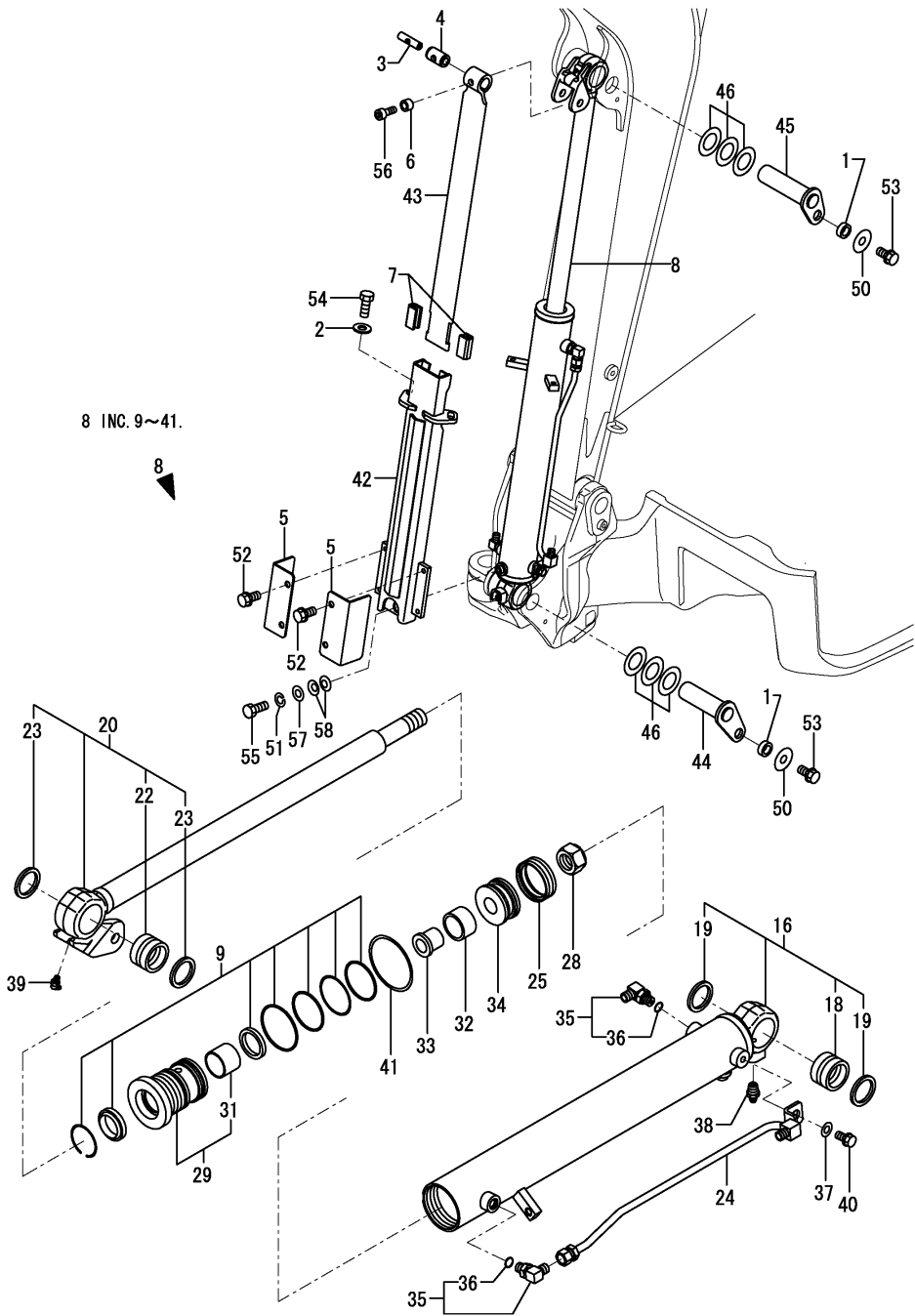
Fig.43. BOOM CYLINDER



OCS10-G49500 43. BOOM CYLINDER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172010-01640	SPACER	2	2	2	2				
2	1	172137-46042	SEAT, SPRING	2	2	2	2				
3	1	172A23-72043	SHAFT	1	1	1	1				
4	1	172A23-72052	GROMMET	1	1	1	1				
5	1	172A64-72050-1	COVER,CYLINDER (2J)	2	2	2	2				
5-1	1	172A64-72051-1	COVER,CYLINDER (2J)	2	2	2	2				N
(A=M/# 01769) (B=M/# 01769) (C=M/# 01769) (D=M/# 01769)											
5-2	1	172A64-72051-N	COVER,CYLINDER	2	2	2	2				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
6	1	172A46-72070	SPACER	1	1	1	1				
7	1	172A23-72081	GUIDE, SLIDE	2	2	2	2				
8	1	172A64-72100-1	CYLINDER,BOOM CMP(2J)	1	1	1	1				
8-1	1	172A64-72100-N	CYLINDER,BOOM CMP	1	1	1	1				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
9	2	172A64-72030	SEAL SET, HEAD 60 35	1	1	1	1				
16	2	172A64-72110-1	TUBE ASSY, BOOM	1	1	1	1				
16-1	2	172A64-72110-N	TUBE ASSY, BOOM	1	1	1	1				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
18	3	172A64-72190	BUSH,35-45-30	1	1	1	1				
19	3	172448-81610	SEAL 35X45X4,DUST	2	2	2	2				
20	2	172A64-72150	ROD ASSY,BOOM	1	1	1	1				
22	3	172A64-72190	BUSH,35-45-30	1	1	1	1				
23	3	172448-81610	SEAL 35X45X4,DUST	2	2	2	2				
24	2	172A64-72200-1	TUBE ASSY, BOOM	1	1	1	1				
24-1	2	172A64-72200-N	TUBE ASSY, BOOM	1	1	1	1				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
25	2	172638-72200	SEAL SET	1	1	1	1				
28	2	172A64-72230	U-NUT M24X1.5	1	1	1	1				
29	2	172149-72241	HEAD 6035 COMPL.	1	1	1	1				
31	3	24550-035300	BUSH	1	1	1	1				
32	2	172448-72270	PLUNGER, CUSHION 41	1	1	1	1				
33	2	172449-72350	COLLAR 41	1	1	1	1				
34	2	172A20-72430	PISTON 60,24-28	1	1	1	1				
35	2	172141-76180	CONNECTOR ASSY	2	2	2	2				
36	3	24315-000110	O-RING	2	2	2	2				
37	2	22137-100000	WASHER	1	1	1	1				
38	2	24761-020000	NIPPLE, GREASE	1	1	1	1				
39	2	24761-040000	NIPPLE, GREASE	1	1	1	1				
40	2	26013-100202	BOLT	1	1	1	1				
41	2	933125-59600	WASHER 60 B, LOCK	1	1	1	1				
42	1	172A64-72250-1	GUIDE ASSY,545 (2J)	1	1	1	1				
42-1	1	172A64-72251	GUIDE ASSY,545 (2J)	1	1	1	1				N
(A=M/# 01769) (B=M/# 01769) (C=M/# 01769) (D=M/# 01769)											
42-2	1	172A64-72251-N	GUIDE ASSY,545	1	1	1	1				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
43	1	172A23-72951-1	PLATE,SLIDE 585 (2J)	1	1	1	1				
43-1	1	172A23-72951-N	PLATE,SLIDE 585	1	1	1	1				S
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
44	1	172A64-82620	PIN ASSY, 35X110	1	1	1	1				
45	1	172A64-82760	PIN ASSY,35X127	1	1	1	1				
46	1	172141-84601	SHIM	2	2	2	2				

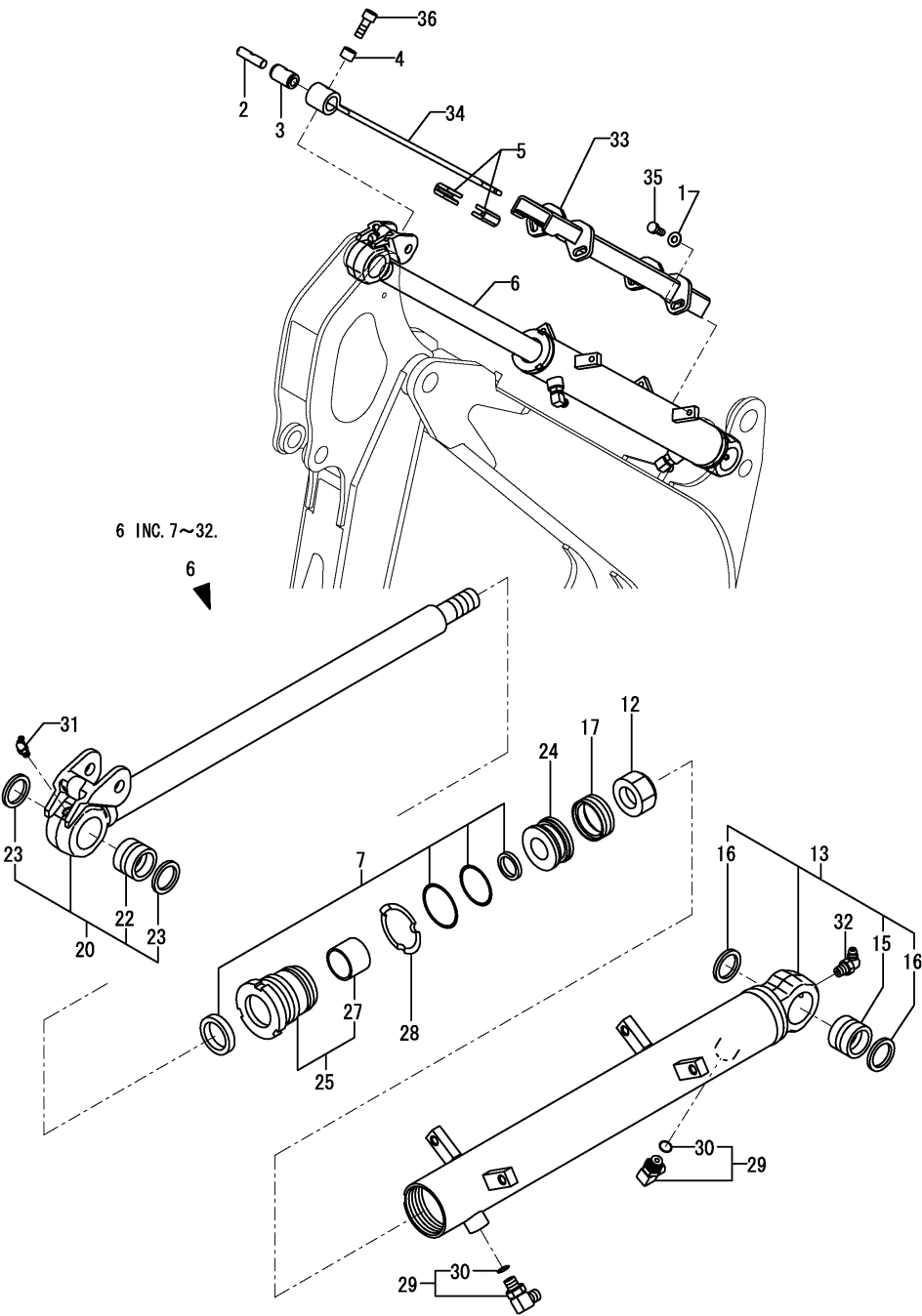
Fig.43. BOOM CYLINDER



OCS10-G49500 43. BOOM CYLINDER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
50	1	22157-100000	WASHER	2	2	2	2				
51	1	22217-100000	WASHER, SPRING	1	1	1	1			Z	
(A=M/# 01109) (B=M/# 01109) (C=M/# 01109) (D=M/# 01109)											
52	1	26013-100162	BOLT	4	4	4	4				
53	1	26013-100252	BOLT	2	2	2	2				
54	1	26076-100202	BOLT	2	2	2	2				
55	1	26116-100202	BOLT	1	1	1	1				
55-1	1	26013-100202	BOLT	1	1	1	1			N	
(A=M/# 01109) (B=M/# 01109) (C=M/# 01109) (D=M/# 01109)											
56	1	26450-060162	BOLT	1	1	1	1				
56-1	1	172A47-72840	BOLT	1	1	1	1			N	
(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)											
57	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1				
58	1	933168-14170	SPRING	2	2	2	2				

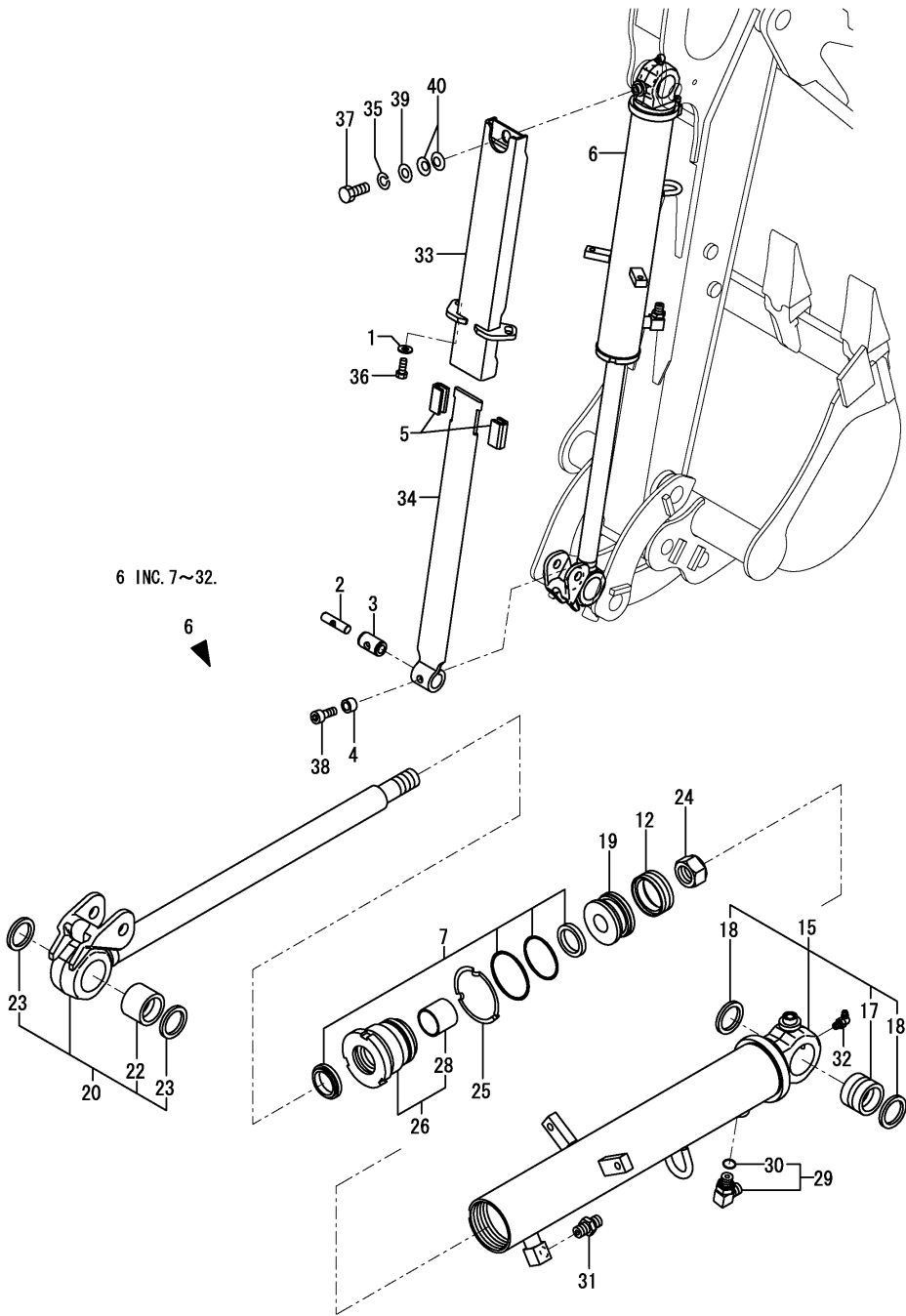
Fig.44. ARM CYLINDER



OCS10-G49500 44. ARM CYLINDER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-46042	SEAT, SPRING	4	4	4	4				
2	1	172A23-72043	SHAFT	1	1	1	1				
3	1	172A23-72052	GROMMET	1	1	1	1				
4	1	172A46-72070	SPACER	1	1	1	1				
5	1	172A23-72081	GUIDE, SLIDE	2	2	2	2				
6	1	172A64-72300-1	CYLINDER ASSY,ARM(2J	1	1	1	1				
6-1	1	172A64-72300-N	CYLINDER ASSY,ARM	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
7	2	172449-72020	SEAL SET,HEAD(55-35	1	1	1	1				
12	2	172141-72250	NUT	1	1	1	1				
13	2	172A64-72310-1	TUBE ASSY, ARM	1	1	1	1				
13-1	2	172A64-72310-N	TUBE ASSY, ARM	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
15	3	172149-72440	BUSH A 30X30,PIN	1	1	1	1				
16	3	172448-81600	SEAL 30X40X4,DUST	2	2	2	2				
17	2	172449-72321	GASKET RGU55 ASSSY	1	1	1	1				
20	2	172A64-72350	ROD ASSY,ARM	1	1	1	1				
22	3	172149-72440	BUSH A 30X30,PIN	1	1	1	1				
23	3	172448-81600	SEAL 30X40X4,DUST	2	2	2	2				
24	2	172A64-72390	PISTON,55X27X28	1	1	1	1				
25	2	172449-72410	HEAD CMP B,55-35	1	1	1	1				
27	3	24550-035300	BUSH	1	1	1	1				
28	2	172173-72550	ROCK WASHER 55	1	1	1	1				
29	2	172141-76180	CONNECTOR ASSY	2	2	2	2				
30	3	24315-000110	O-RING	2	2	2	2				
31	2	24761-040000	NIPPLE, GREASE	1	1	1	1				
32	2	24761-050000	NIPPLE, GREASE	1	1	1	1				
33	1	172A64-72900-1	GUID ASSY,500 (2J)	1	1	1	1				
33-1	1	172A64-72901-1	GUIDE ASSY,500	1	1	1	1				R
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
33-2	1	172A64-72901-N	GUIDE ASSY,500	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
34	1	172A64-72980-1	PLATE,SLIDE 520 (2J)	1	1	1	1				
34-1	1	172A64-72980-N	PLATE,SLIDE 520	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
35	1	26076-100202	BOLT	4	4	4	4				
36	1	26450-060162	BOLT	1	1	1	1				
36-1	1	172A47-72840	BOLT	1	1	1	1				N
		(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)									

Fig.45. BUCKET CYLINDER



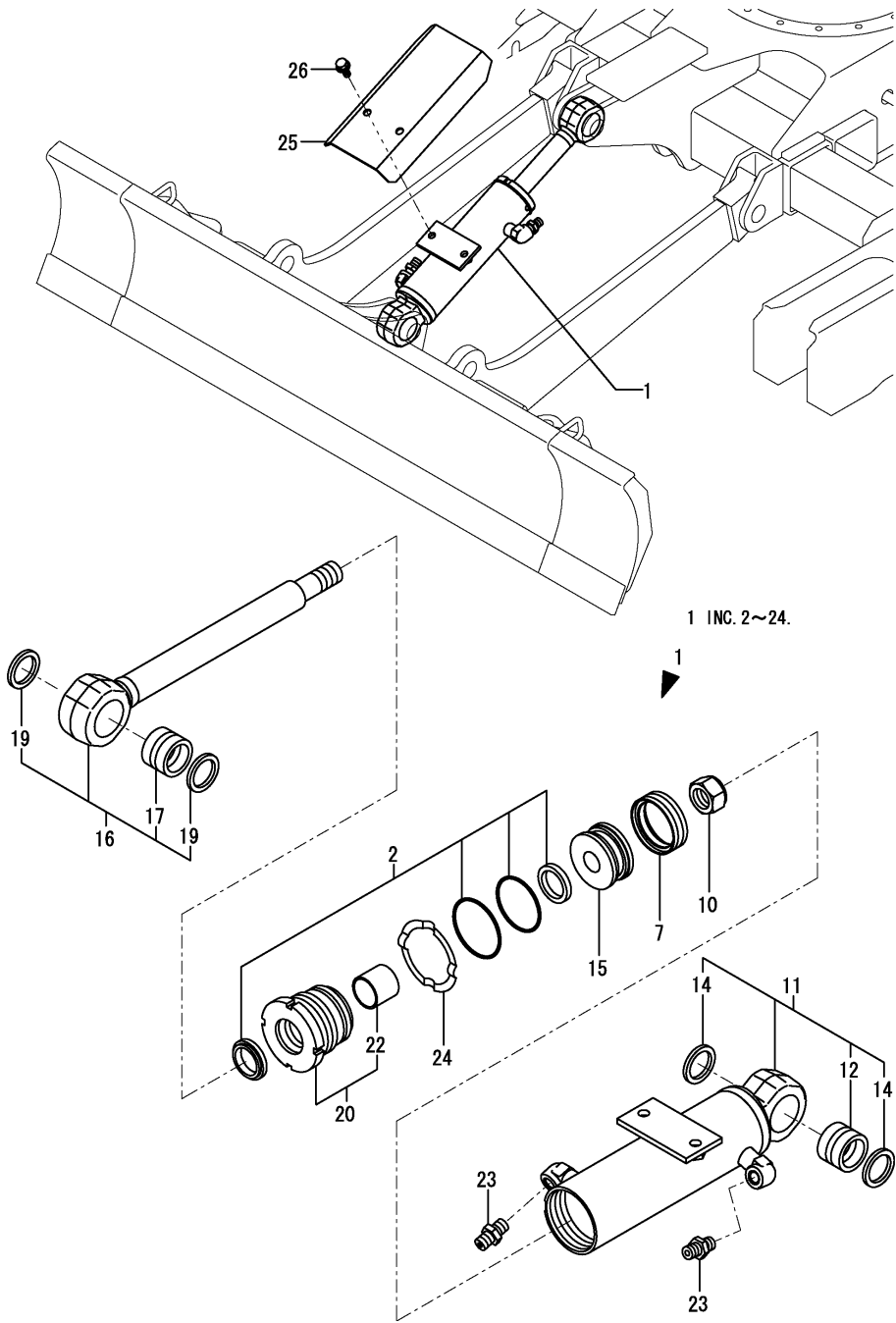
OCS10-G49500 45. BUCKET CYLINDER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-46042	SEAT, SPRING	2	2	2	2				
2	1	172A23-72043	SHAFT	1	1	1	1				
3	1	172A23-72052	GROMMET	1	1	1	1				
4	1	172A46-72070	SPACER	1	1	1	1				
5	1	172A23-72081	GUIDE, SLIDE	2	2	2	2				
6	1	172A64-72400-1	CYLINDER ,BUCKET(2J	1	1	1	1				
6-1	1	172A64-72400-N	CYLINDER ,BUCKET	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
7	2	172A64-72040	SEAL SET,HEAD 55 30	1	1	1	1				
12	2	172449-72321	GASKET RGU55 ASSSY	1	1	1	1				
15	2	172A64-72410-1	TUBE ASSY, BUCKET	1	1	1	1				
15-1	2	172A64-72410-N	TUBE ASSY, BUCKET	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
17	3	172149-72440	BUSH A 30X30,PIN	1	1	1	1				
18	3	172448-81600	SEAL 30X40X4,DUST	2	2	2	2				
19	2	172A64-72440	PISTON,55X22X28	1	1	1	1				
20	2	172A64-72450	ROD ASSY,BUCKET	1	1	1	1				
22	3	172149-72680	BUSH B 30X30,PIN	1	1	1	1				
23	3	172448-81600	SEAL 30X40X4,DUST	2	2	2	2				
24	2	172A64-72490	U-NUT M22X1.5	1	1	1	1				
25	2	172173-72550	ROCK WASHER 55	1	1	1	1				
26	2	172449-72560	HEAD CMP 55 30	1	1	1	1				
28	3	24550-030300	BUSH	1	1	1	1				
29	2	172141-76180	CONNECTOR ASSY	1	1	1	1				
30	3	24315-000110	O-RING	1	1	1	1				
31	2	23391-020000	JOINT	1	1	1	1				
32	2	24761-050000	NIPPLE, GREASE	1	1	1	1				
33	1	172A64-72950-1	GUIDE ASSY,445 (2J)	1	1	1	1				
33-1	1	172A64-72951-1	GUIDE ASSY,445	1	1	1	1				R
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
33-2	1	172A64-72951-N	GUIDE ASSY,445	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
34	1	172A64-72980-1	PLATE,SLIDE 520 (2J)	1	1	1	1				
34-1	1	172A64-72980-N	PLATE,SLIDE 520	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
35	1	22217-100000	WASHER, SPRING	1	1	1	1				Z
		(A=M/# 01109) (B=M/# 01109) (C=M/# 01109) (D=M/# 01109)									
36	1	26076-100202	BOLT	2	2	2	2				
37	1	26116-100202	BOLT	1	1	1	1				
37-1	1	26013-100202	BOLT	1	1	1	1				N
		(A=M/# 01109) (B=M/# 01109) (C=M/# 01109) (D=M/# 01109)									
38	1	26450-060162	BOLT	1	1	1	1				
38-1	1	172A47-72840	BOLT	1	1	1	1				N
		(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)									
39	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1				
40	1	933168-14170	SPRING	2	2	2	2				

Fig.46. SWING CYLINDER

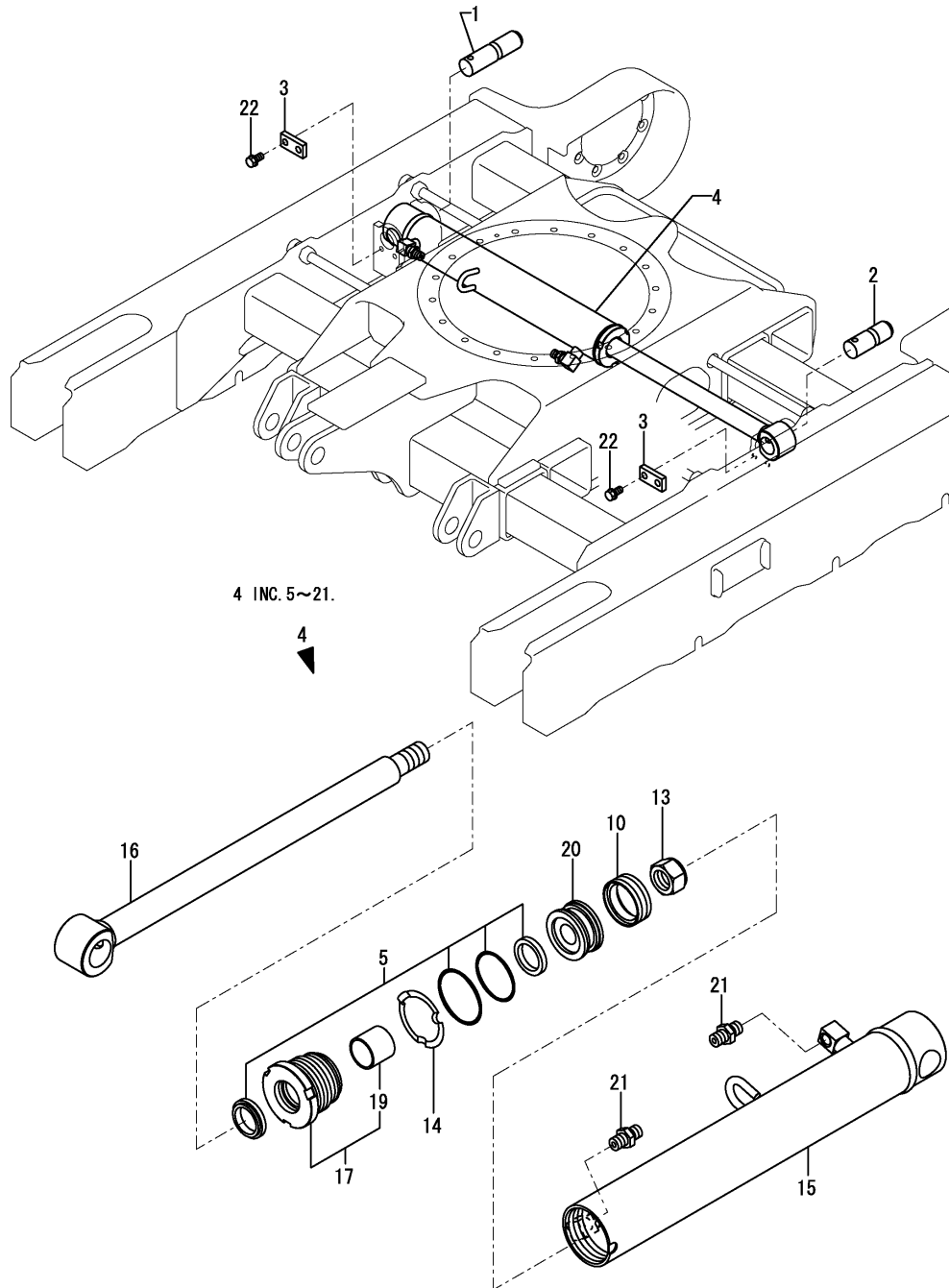
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-72500	CYLINDER ASSY,SWING	1	1	1	1				
2	2	172449-72040	SEAL SET,HEAD(65-35	1	1	1	1				
7	2	172141-72250	U-NUT M27	1	1	1	1				
8	2	172A64-72510	TUBE ASSY, SWING	1	1	1	1				
10	3	172448-72650	SEAL 40X50X4,DUST	2	2	2	2				
11	3	172458-72740	BUSH 40X40,SO	1	1	1	1				
12	2	172A64-72540	PISTON,65X27X31	1	1	1	1				
13	2	172A64-72550	ROD ASSY,SWING	1	1	1	1				
14	3	172168-72410	BUSH 40X50X40	1	1	1	1				
16	3	172448-72650	SEAL 40X50X4,DUST	2	2	2	2				
17	2	172142-72560	WASHER 65, LOCK	1	1	1	1				
18	2	172449-72810	HEAD CMP 65-35	1	1	1	1				
20	3	24550-035300	BUSH 35X30	1	1	1	1				
21	2	172449-72960	GASKET RGU 65	1	1	1	1				
24	2	23391-020000	JOINT RGI1/4	2	2	2	2				
25	2	24761-050000	NIPPLE C,GREASE	1	1	1	1				
26	1	172165-82580	SHIM 40X75X0.5	2	2	2	2				
27	1	172165-82590	SHIM 40X75X1.2	2	2	2	2				
28	1	172165-82600	SHIM 40X75X1.6	2	2	2	2				
29	1	172A64-82650	PIN ASSY, 40X96	1	1	1	1				
30	1	172A64-82670	PIN, 40X120	1	1	1	1				
31	1	172146-82910	SPACER	1	1	1	1				
32	1	172117-83970-7	PLATE(C),LOCK(GRAY49	1	1	1	1				
33	1	26013-100202	BOLT W/WASHER M10X20	2	2	2	2				
34	1	26013-120252	BOLT M12X 25	1	1	1	1				

Fig.47. BLADE CYLINDER



OCS10-G49500 47. BLADE CYLINDER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-72601	CYLINDER, BLADE (49)	1	1	1	1				
2	2	172A64-72020	SEAL SET, HEAD 60 30	1	1	1	1				
7	2	172638-72200	SEAL SET	1	1	1	1				
7-1	2	172638-72201	SEAL SET	1	1	1	1				N
		(A=M/# 01404) (B=M/# 01404) (C=M/# 01404) (D=M/# 01404)									
10	2	172A64-72490	U-NUT M22X1.5	1	1	1	1				
11	2	172A64-72610	TUBE ASSY, BLADE	1	1	1	1				
12	3	172149-72440	BUSH A 30X30, PIN	1	1	1	1				
14	3	172448-81600	SEAL 30X40X4, DUST	2	2	2	2				
15	2	172A64-72640	PISTON, 60X22X28	1	1	1	1				
16	2	172A64-72651	ROD ASSY, BLADE	1	1	1	1				
17	3	172149-72440	BUSH A 30X30, PIN	1	1	1	1				
19	3	172448-81600	SEAL 30X40X4, DUST	2	2	2	2				
20	2	172447-72860	HEAD 60 30	1	1	1	1				
22	3	24550-030300	BUSH 30X30	1	1	1	1				
23	2	23391-020000	JOINT RGI1/4	2	2	2	2				
24	2	933125-59600	WASHER 60 B, LOCK	1	1	1	1				
25	1	172A64-72690	PROTECTOR (GRAY:49)	1	1	1	1				
26	1	26014-100252	BOLT 10X25 W/PLW+SPW	2	2	2	2				



0CS10-G49500 48. VARIABLE LEG WIDEN / SHORTEN CYLINDER

(A)=VIO17(US)

(B)=VIO17(AS)

(C)=VIO17(NZ)

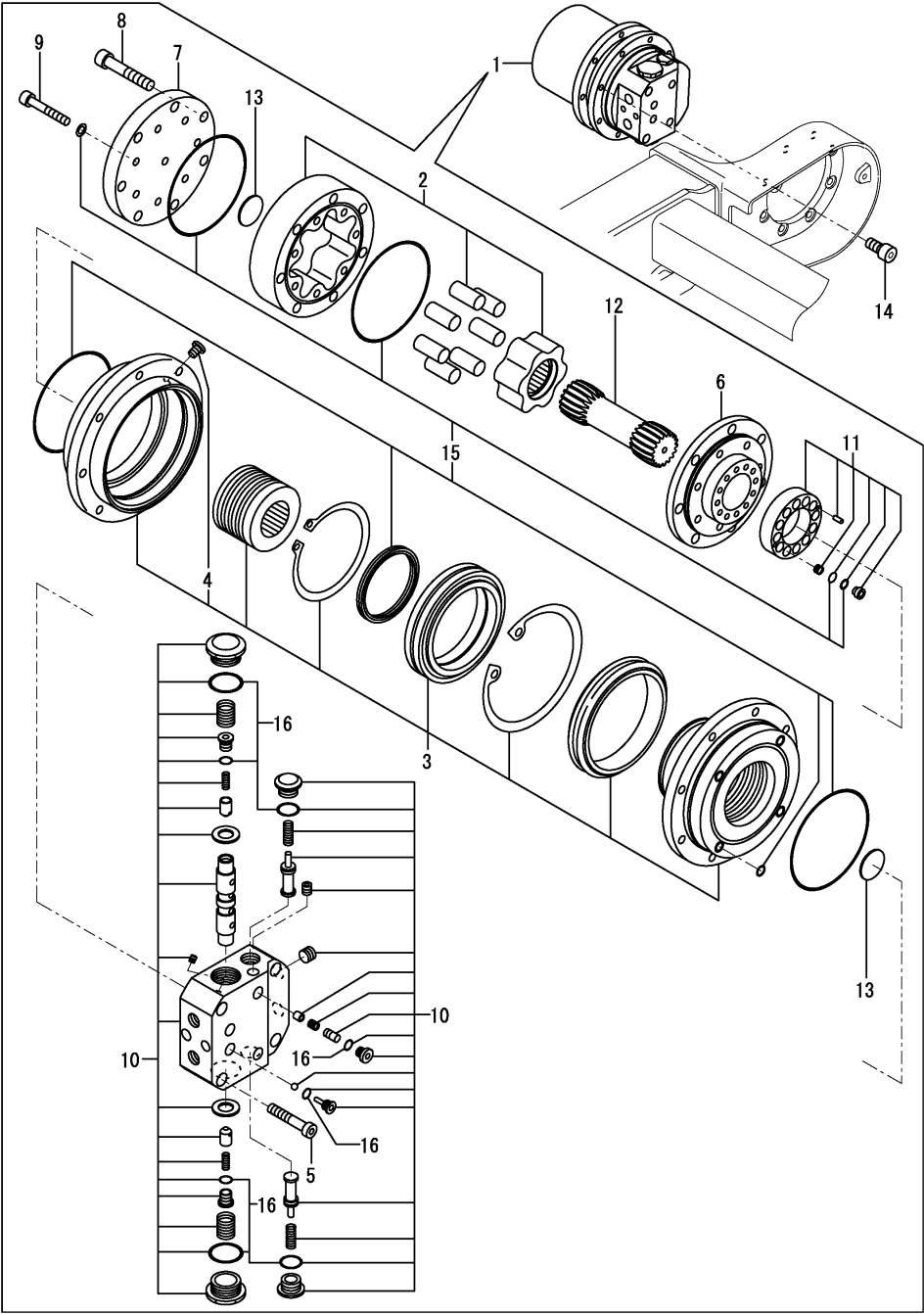
(D)=VIO17(SG)

(E)=

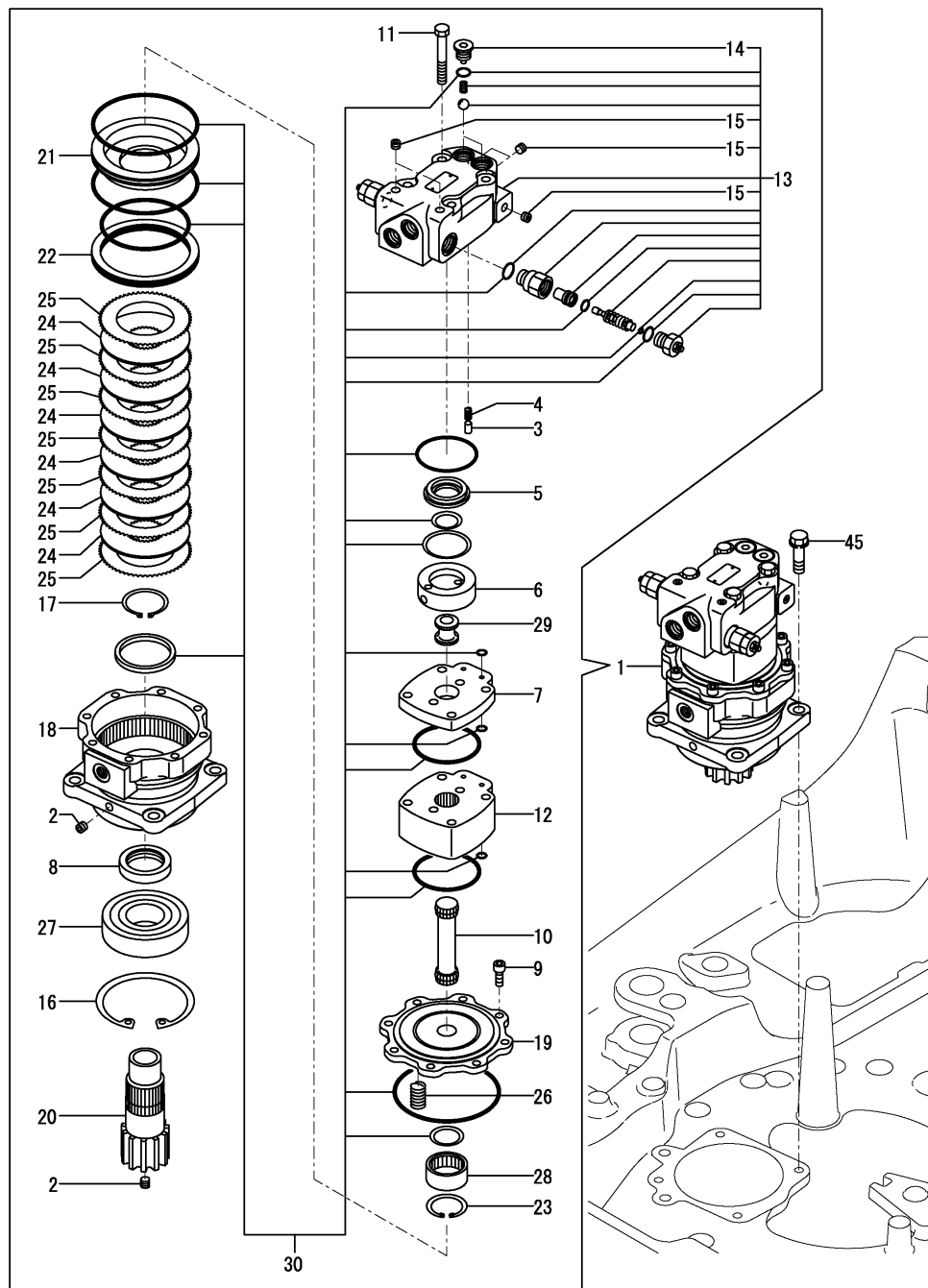
$$(F)=$$

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY				I R	
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	172A64-50720	PIN 30X95	1	1	1	1		
2	1	172A64-50730	PIN 30X65	1	1	1	1		
3	1	172A64-50770	PLATE,LOCK (GRAY:49)	2	2	2	2		
4	1	172A64-72700	CYL ASSY,VARIABLE(49	1	1	1	1		
5	2	172A64-72040	SEAL SET,HEAD 55 30	1	1	1	1		
10	2	172449-72321	GASKET RGU55 ASSSY	1	1	1	1		
13	2	172A64-72490	U-NUT M22X1.5	1	1	1	1		
14	2	172173-72550	ROCK WASHER 55	1	1	1	1		
15	2	172A64-72710	TUBE ASSY, VARIABLE	1	1	1	1		
16	2	172A64-72750	ROD,ASSY,VARIABLE	1	1	1	1		
17	2	172A64-72810	HEAD ASSY, 55 30	1	1	1	1		
19	3	24550-030300	BUSH 30X30	1	1	1	1		
20	2	172A64-72860	PISTON,55	1	1	1	1		
21	2	23391-020000	JOINT RG1/4	2	2	2	2		
22	1	26013-100252	BOLT W/WASHER M10X25	4	4	4	4		

Fig.49. TRAVEL MOTOR

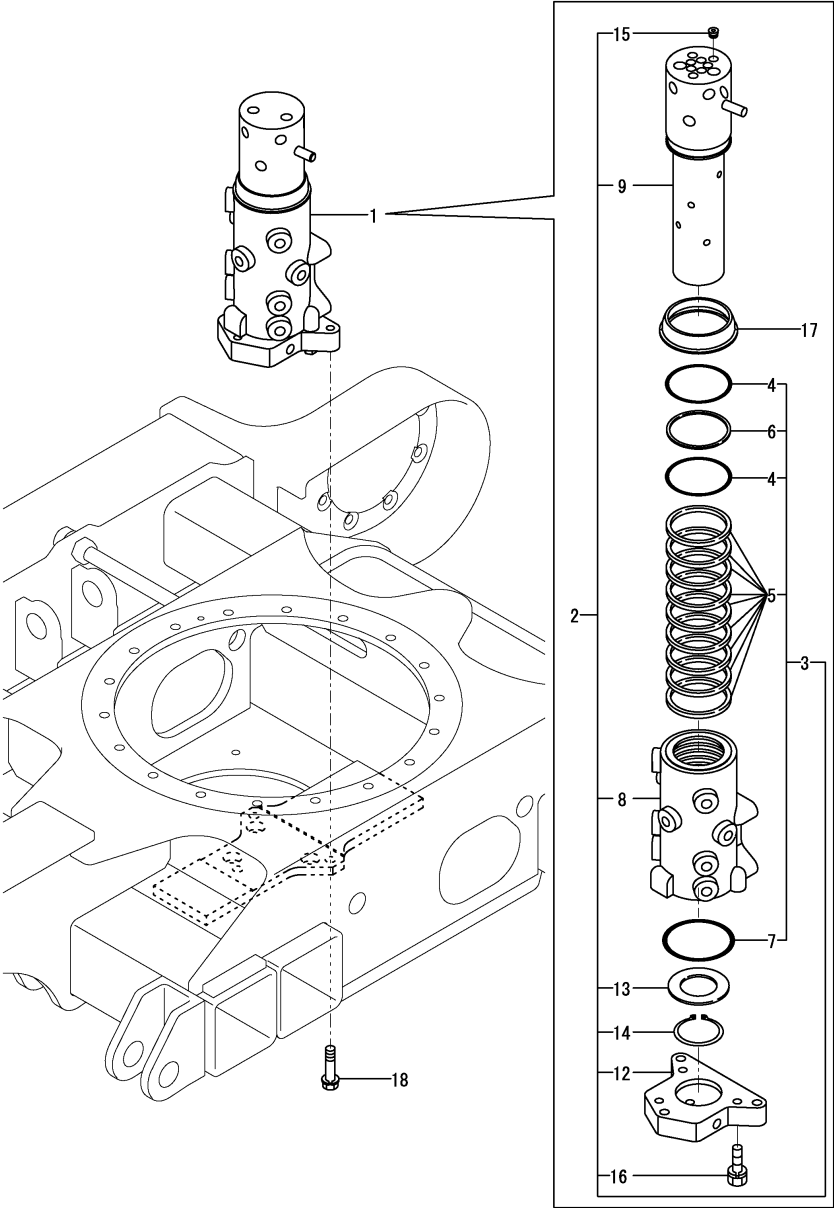


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-73300	MOTOR ASSY, TRAVEL	1	1	1	1				
I 2	2	172A64-73350	GEROLLER ASSY	2	2	2	2				
I 3	2	172A64-73360	SPINDLE WHEEL ASSY	2	2	2	2				
I 4	3	172A64-73440	PLUG	2	2	2	2				
I 5	2	172168-73370	BOLT	8	8	8	8				
I 6	2	172A64-73380	PLATE, VALVE	2	2	2	2				
I 7	2	172A64-73390	COVER, ROLLER	2	2	2	2				
I 8	2	172A64-73400	BOLT, 10X80	14	14	14	14				
I 9	2	172A64-73410	BOLT, 8X73	14	14	14	14				
I 10	2	172A64-73420	COVER, END ASSY	2	2	2	2				
I 11	2	172A64-73430	VALVE ASSY	2	2	2	2				
I 12	2	172A64-73450	DRIVE	2	2	2	2				
I 13	2	172A64-73460	SPACER	4	4	4	4				
I 14	1	26450-100252	BOLT M10X 25	16	16	16	16				
I 15	1	172A64-73510	SEAL KIT, TRAVEL M	2	2	2	2				
I 16	1	172A64-73520	SEAL KIT, END COVER	2	2	2	2				



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-73310	MOTOR ASSY, REVOLVE	1	1	1	1				
2	2	172137-70490	PLUG	2	2	2	2				
3	2	172137-70570	PIN	2	2	2	2				
4	2	172137-70580	SPRING	2	2	2	2				
5	2	172137-70590	PLATE	1	1	1	1				
6	2	172137-70600	VALVE	1	1	1	1				
7	2	172148-73350	PLATE, VALVE	1	1	1	1				
8	2	172173-73520	COLLAR	1	1	1	1				
9	2	172A64-73600	BOLT,8X20	8	8	8	8				
10	2	172A64-73610	DRIVE	1	1	1	1				
11	2	172A64-73620	BOLT	4	4	4	4				
12	2	172A64-73630	ROLLER	1	1	1	1				
13	2	172A64-73640	HOUSING, VALVE ASSY	1	1	1	1				
14	3	172168-73590	PLUG	2	2	2	2				
15	3	23871-010000	PLUG PT1/8,SCREW	3	3	3	3				
16	2	172173-73690	SNAP RING	1	1	1	1				
17	2	172173-73700	SNAP RING	1	1	1	1				
18	2	172456-77150	HOUSING, BEARING	1	1	1	1				
19	2	172456-77160	FLANGE, MOUTING	1	1	1	1				
20	2	172456-77170	GEAR, PINION	1	1	1	1				
21	2	172456-77180	PISTON, HYDRAULIC	1	1	1	1				
22	2	172456-77190	RING	1	1	1	1				
23	2	172456-77200	CIRCLIP	1	1	1	1				
24	2	172456-77210	PLATE,FRICTION	6	6	6	6				
25	2	172456-77220	PLATE	7	7	7	7				
26	2	172456-77230	SPRING	8	8	8	8				
27	2	172456-77240	FRONT BEARING	1	1	1	1				
28	2	172456-77250	NEEDLE BEARING	1	1	1	1				
29	2	172141-77260	VALVE DRIVE	1	1	1	1				
30	2	172A64-73660	SEAL KIT,TURN.MOTOR	1	1	1	1				
45	1	26013-120402	BOLT M12X 40	4	4	4	4				

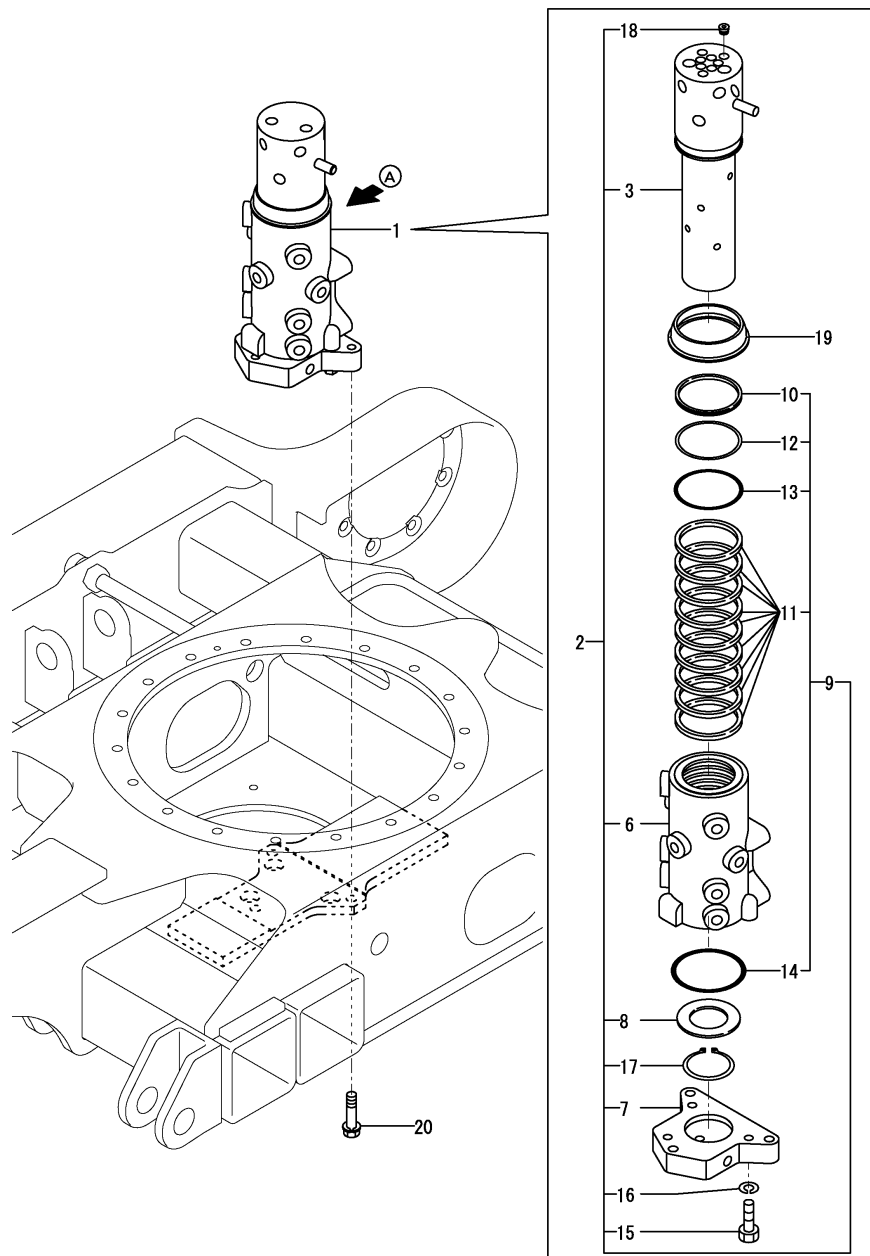
Fig.51. SWIVEL JOINT(Y SPEC.)



Remarks
(1)Compatibility by assembly exchange
with parts of Fig.89(51A)
Ref.No.1.

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-73840	SWIVEL ASSY (A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	1	1	1	1			Z	1
2	2	172448-73851	SWIVEL,ASSY	1	1	1	1				
3	3	172446-73900	SEAL SET,SWIVEL	1	1	1	1				
4	4	172142-73800	O-RING	2	2	2	2				
5	4	172447-73840	SEAL	9	9	9	9				
6	4	172148-73870	RING, BUCK UP	1	1	1	1				
7	4	24321-000700	O-RING	1	1	1	1				
8	3	172448-73860	HUB,SWIVEL	1	1	1	1				
9	3	172446-73872	SHAFT ASSY, SWIVEL	1	1	1	1				
12	3	172446-73890	FLANGE,SWIVEL	1	1	1	1				
13	3	172157-73910	SPACER, SWIVEL	1	1	1	1				
14	3	22242-000401	RING	1	1	1	1				
15	3	23871-010000	PLUG	8	8	8	8				
16	3	26013-080352	BOLT	3	3	3	3				
17	2	172448-73900	DUST COVER	1	1	1	1				
18	1	26013-100302	BOLT	3	3	3	3				



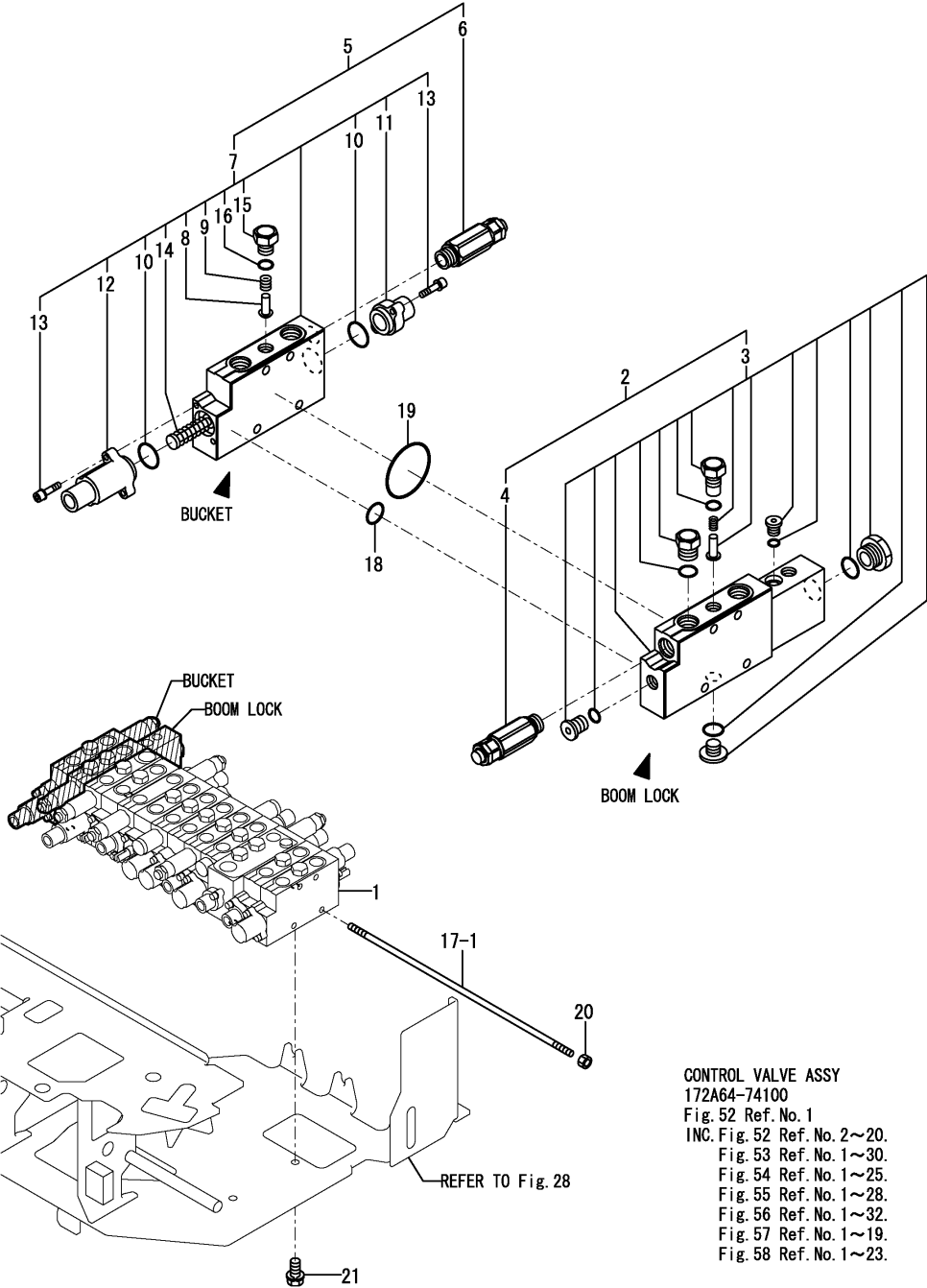
0CS10-G49500 89. (51A)SWIVEL JOINT(N SPEC.)

(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-73790	JOINT ASSY,SWIVEL S	1	1	1	1			W	1
		(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)						
2	2	172A64-73800	JOINT ASSY,SWIVEL S	1	1	1	1				
3	3	172A64-73810	SHAFT ASSY,SWIVEL SL	1	1	1	1				
6	3	172A64-73840	HUB,SWIVEL S	1	1	1	1				
7	3	172A64-73850	FLANGE,SWIVEL SL	1	1	1	1				
8	3	172B02-73860	SPACER, SWIVEL	1	1	1	1				
9	3	172A64-73880	SEAL KIT,SL	1	1	1	1				
10	4	172A64-73870	RING,V	1	1	1	1				
11	4	172B02-73870	SEAL, SWIVEL	9	9	9	9				
12	4	172B02-73880	RING, BACKUP T3 55	1	1	1	1				
13	4	24315-000560	O-RING	1	1	1	1				
14	4	24325-000700	O-RING	1	1	1	1				
15	3	172A64-73890	BOLT,10.9 8X 40	3	3	3	3				
16	3	22217-080000	WASHER, SPRING	3	3	3	3				
17	3	22242-000451	RING	1	1	1	1				
18	3	23871-010000	PLUG	8	8	8	8				
19	2	172448-73900	DUST COVER	1	1	1	1				
20	1	26013-100302	BOLT	3	3	3	3				

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
(C)Copyrights YANMAR CO.,LTD.

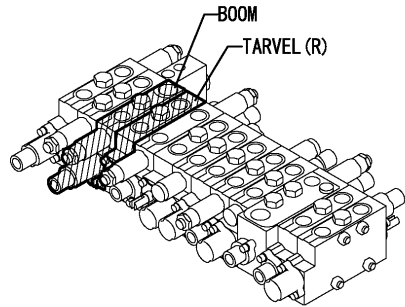
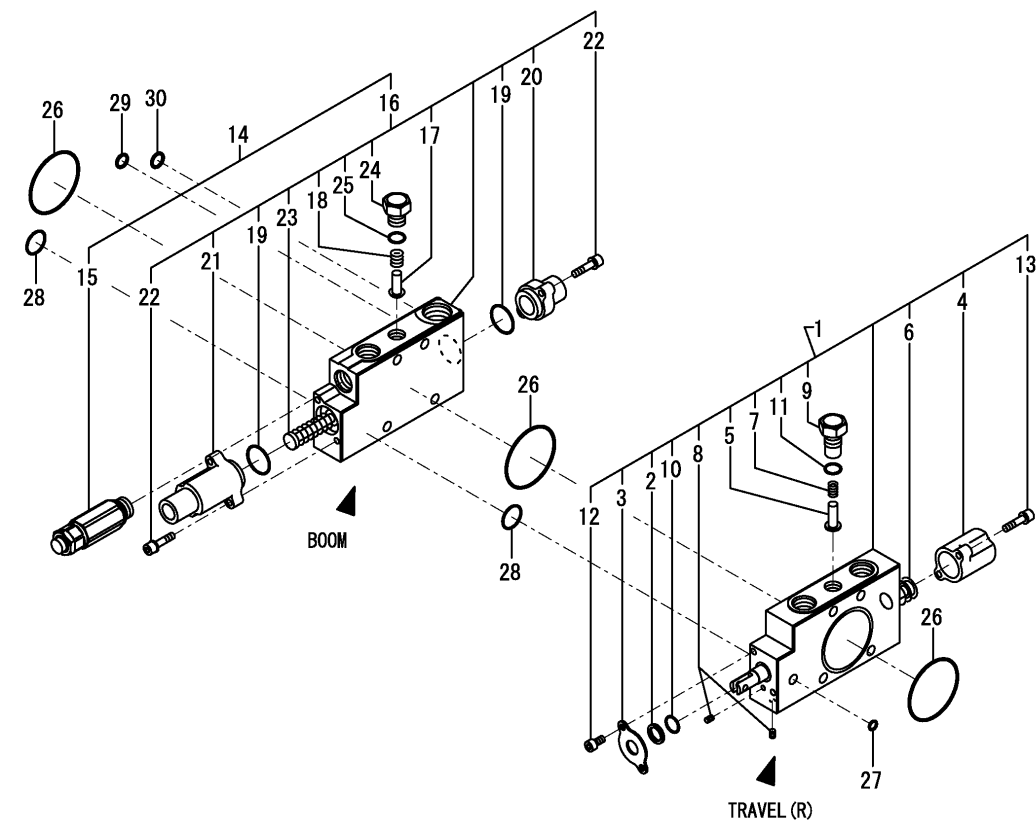
Fig.52. CONTROL VALVE(1/7)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-74100	VALVE ASSY, CONTROL	1	1	1	1				
2	2	172A64-74430	BOOM LOCK PART	1	1	1	1				
3	3	172A64-74440	BOOM LOCK SEC ASSY	1	1	1	1				
4	3	172456-74440	OVERLOAD 300/5	1	1	1	1				
5	2	172A64-74450	BUCKET SELECT	1	1	1	1				
6	3	172456-74280	OVERLOAD 250/5	1	1	1	1				
7	3	172A64-74460	BUCKET SEC ASSY	1	1	1	1				
8	4	172458-74150	CHECK VALVE	1	1	1	1				
9	4	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
10	4	172458-74230	PACKING S 22	2	2	2	2				
11	4	172458-74240	COVER B1, PILOT	1	1	1	1				
12	4	172458-74250	COVER A1, PILOT	1	1	1	1				
13	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4				
14	4	172A64-74470	SPOOL ASSY,BUCKET	1	1	1	1				
15	4	172458-74630	STAY, CHECK VALVE	1	1	1	1				
16	4	24315-000110	O-RING 1B P-11.0	1	1	1	1				
17-1	2	172A47-75450	BOLT L=412	4	4	4	4				
18	2	172458-74720	PACKING G 4	1	1	1	1				
19	2	24311-000180	O-RING 1A P-18.0	1	1	1	1				
20	2	26716-080002	NUT M 8	4	4	4	4				
21	1	26013-100162	BOLT M10X 16	3	3	3	3				

Fig.53. CONTROL VALVE(2/7)

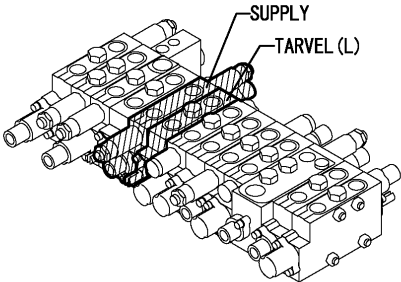
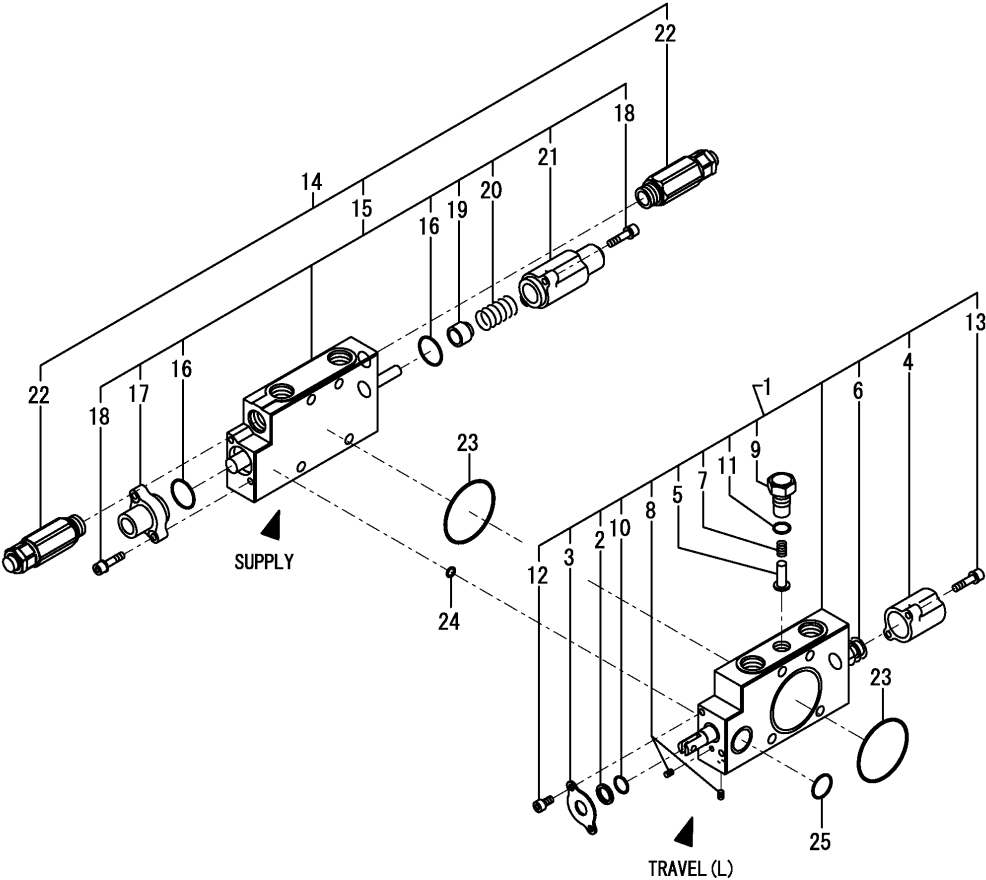


CONTROL VALVE ASSY
172A64-74100
Fig. 52 Ref. No. 1
INC. Fig. 52 Ref. No. 2~20.
Fig. 53 Ref. No. 1~30.
Fig. 54 Ref. No. 1~25.
Fig. 55 Ref. No. 1~28.
Fig. 56 Ref. No. 1~32.
Fig. 57 Ref. No. 1~19.
Fig. 58 Ref. No. 1~23.

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A64-74390	TRAVEL R SEC ASSY	1	1	1	1				
2	3	172458-74130	DUST WIPER	1	1	1	1				
3	3	172458-74140	BRACKET, OIL SEAL	1	1	1	1				
4	3	172458-74170	CAP,SPRING	1	1	1	1				
5	3	172458-74290	CHECK VALVE	1	1	1	1				
6	3	172A64-74360	SPOOL ASSY,TRAVEL	1	1	1	1				
7	3	172458-74360	SPRING, CHECK VALVE	1	1	1	1				
8	3	172458-74460	PLUG GPM1/32	2	2	2	2				
9	3	172458-74640	STAY, CHECK VALVE	1	1	1	1				
10	3	24311-000120	O-RING 1A P 12.0	1	1	1	1				
11	3	24315-000110	O-RING 1B P-11.0	1	1	1	1				
12	3	26450-050102	BOLT M 5X 10	2	2	2	2				
13	3	26450-050182	BOLT 5* 18	2	2	2	2				
14	2	172A64-74400	BOOM SELECT	1	1	1	1				
15	3	172462-74340	VALVE ASSY,OVER LOAD	1	1	1	1				
16	3	172A64-74410	BOOM SEC ASSY	1	1	1	1				
17	4	172458-74150	CHECK VALVE	1	1	1	1				
18	4	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
19	4	172458-74230	PACKING S 22	2	2	2	2				
20	4	172458-74240	COVER B1, PILOT	1	1	1	1				
21	4	172458-74250	COVER A1, PILOT	1	1	1	1				
22	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4				
23	4	172A64-74420	SPOOL ASSY,BOOM	1	1	1	1				
24	4	172458-74630	STAY, CHECK VALVE	1	1	1	1				
25	4	24315-000110	O-RING 1B P-11.0	1	1	1	1				
26	2	172458-74720	PACKING G 4	3	3	3	3				
27	2	24311-000060	O-RING 1A P-6.0	1	1	1	1				
28	2	24311-000180	O-RING 1A P-18.0	2	2	2	2				
29	2	24315-000090	O-RING 1B P- 9.0	1	1	1	1				
30	2	24315-000100	O-RING 1B P-10.0	1	1	1	1				

Fig.54. CONTROL VALVE(3/7)



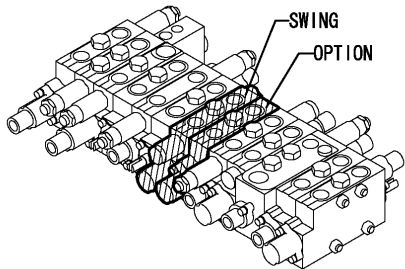
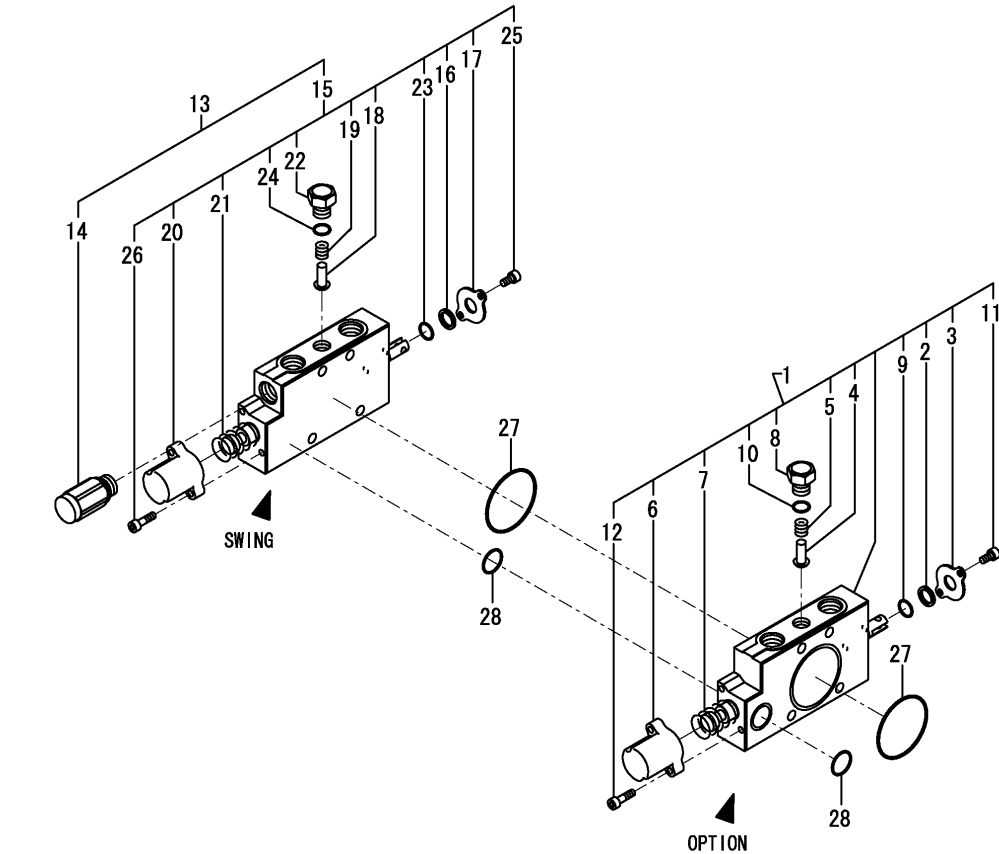
CONTROL VALVE ASSY
172A64-74100
Fig. 52 Ref. No. 1
INC. Fig. 52 Ref. No. 2~20.
Fig. 53 Ref. No. 1~30.
Fig. 54 Ref. No. 1~25.
Fig. 55 Ref. No. 1~28.
Fig. 56 Ref. No. 1~32.
Fig. 57 Ref. No. 1~19.
Fig. 58 Ref. No. 1~23.

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A64-74350	TRAVEL L SEC ASSY	1	1	1	1				
2	3	172458-74130	DUST WIPER	1	1	1	1				
3	3	172458-74140	BRACKET, OIL SEAL	1	1	1	1				
4	3	172458-74170	CAP, SPRING	1	1	1	1				
5	3	172458-74290	CHECK VALVE	1	1	1	1				
6	3	172A64-74360	SPOOL ASSY, TRAVEL	1	1	1	1				
7	3	172458-74360	SPRING, CHECK VALVE	1	1	1	1				
8	3	172458-74460	PLUG GPM1/32	2	2	2	2				
9	3	172458-74640	STAY, CHECK VALVE	1	1	1	1				
10	3	24311-000120	O-RING 1A P 12.0	1	1	1	1				
11	3	24315-000110	O-RING 1B P-11.0	1	1	1	1				
12	3	26450-050102	BOLT M 5X 10	2	2	2	2				
13	3	26450-050182	BOLT 5* 18	2	2	2	2				
14	2	172A64-74370	SUPPLY PART	1	1	1	1				
15	3	172A64-74380	SUPPLY SEC ASSY	1	1	1	1				
16	4	172458-74230	PACKING S 22	2	2	2	2				
17	4	172458-74240	COVER B1, PILOT	1	1	1	1				
18	4	172458-74260	SWP HEX. BOLT 5X20	4	4	4	4				
19	4	172458-74530	SEAT, SPRING	1	1	1	1				
20	4	172458-74540	SPRING, RETURN	1	1	1	1				
21	4	172458-74550	COVER A2, PILOT	1	1	1	1				
22	3	172A64-74480	VALVE, RELIEF 210	2	2	2	2				
23	2	172458-74720	PACKING G 4	2	2	2	2				
24	2	24311-000060	O-RING 1A P-6.0	1	1	1	1				
25	2	24311-000180	O-RING 1A P-18.0	1	1	1	1				

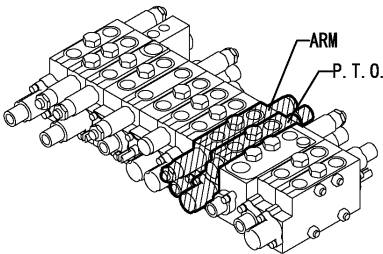
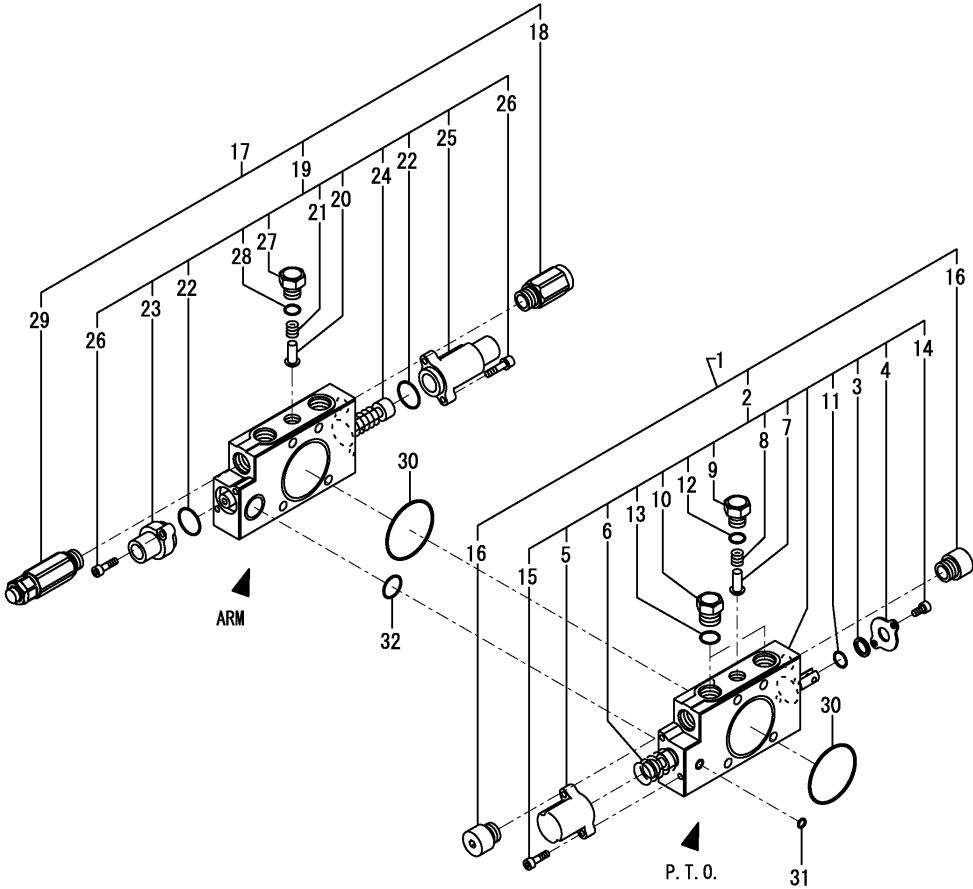
Fig.55. CONTROL VALVE(4/7)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A64-74260	OPTION SEC ASSY	1	1	1	1				
2	3	172458-74130	DUST WIPER	1	1	1	1				
3	3	172458-74140	BRACKET, OIL SEAL	1	1	1	1				
4	3	172458-74150	CHECK VALVE	1	1	1	1				
5	3	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
6	3	172458-74170	CAP,SPRING	1	1	1	1				
7	3	172A64-74270	SPOOL ASSY,OPTION	1	1	1	1				
8	3	172458-74630	STAY, CHECK VALVE	1	1	1	1				
9	3	24311-000120	O-RING 1A P 12.0	1	1	1	1				
10	3	24315-000110	O-RING 1B P-11.0	2	2	2	2				
11	3	26450-050102	BOLT M 5X 10	2	2	2	2				
12	3	26450-050182	BOLT 5* 18	2	2	2	2				
13	2	172A64-74280	SWING SELECT	1	1	1	1				
14	3	172447-74230	ANTI-CAVITATION	1	1	1	1				
15	3	172A64-74290	SWING SEC ASSY	1	1	1	1				
16	4	172458-74130	DUST WIPER	1	1	1	1				
17	4	172458-74140	BRACKET, OIL SEAL	1	1	1	1				
18	4	172458-74150	CHECK VALVE	1	1	1	1				
19	4	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
20	4	172458-74170	CAP,SPRING	1	1	1	1				
21	4	172A64-74300	SPOOL ASSY,SWING	1	1	1	1				
22	4	172458-74630	STAY, CHECK VALVE	1	1	1	1				
23	4	24311-000120	O-RING 1A P 12.0	1	1	1	1				
24	4	24315-000110	O-RING 1B P-11.0	1	1	1	1				
25	4	26450-050102	BOLT M 5X 10	2	2	2	2				
26	4	26450-050182	BOLT 5* 18	2	2	2	2				
27	2	172458-74720	PACKING G 4	2	2	2	2				
28	2	24311-000180	O-RING 1A P-18.0	2	2	2	2				



CONTROL VALVE ASSY
172A64-74100
Fig. 52 Ref. No. 1
INC. Fig. 52 Ref. No. 2~20.
Fig. 53 Ref. No. 1~30.
Fig. 54 Ref. No. 1~25.
Fig. 55 Ref. No. 1~28.
Fig. 56 Ref. No. 1~32.
Fig. 57 Ref. No. 1~19.
Fig. 58 Ref. No. 1~23.

Fig.56. CONTROL VALVE(5/7)



CONTROL VALVE ASSY
172A64-74100
Fig. 52 Ref. No. 1
INC. Fig. 52 Ref. No. 2~20.
Fig. 53 Ref. No. 1~30.
Fig. 54 Ref. No. 1~25.
Fig. 55 Ref. No. 1~28.
Fig. 56 Ref. No. 1~32.
Fig. 57 Ref. No. 1~19.
Fig. 58 Ref. No. 1~23.

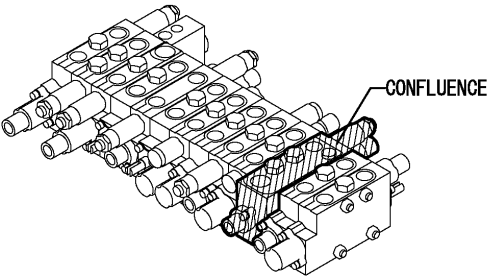
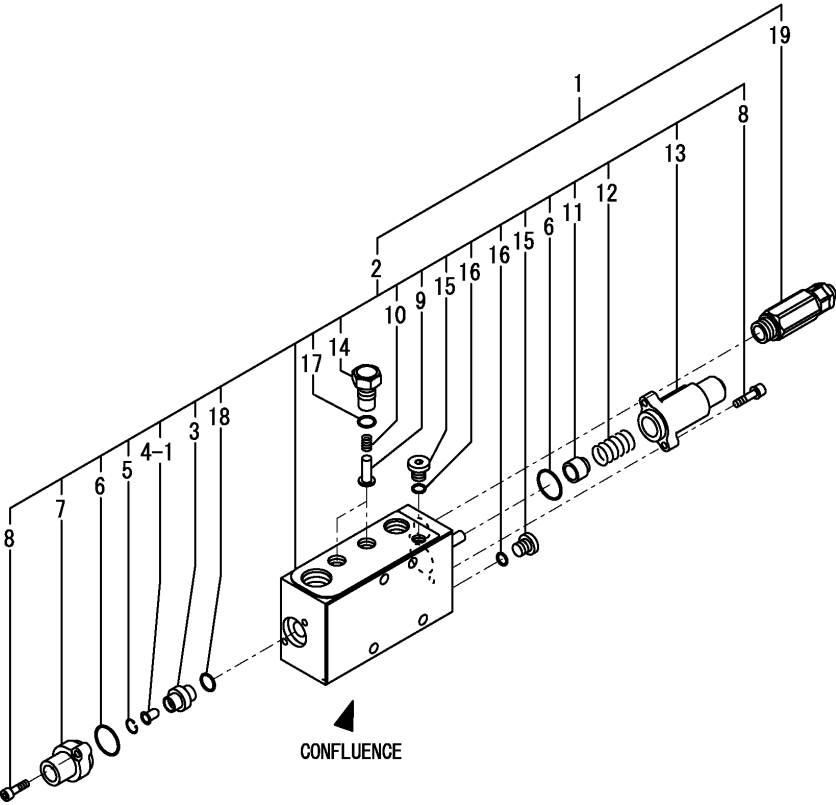
(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A64-74200	PTO SELECT	1	1	1	1				
2	3	172A64-74210	PTO SEC ASSY	1	1	1	1				
3	4	172458-74130	DUST WIPER	1	1	1	1				
4	4	172458-74140	BRACKET, OIL SEAL	1	1	1	1				
5	4	172458-74170	CAP,SPRING	1	1	1	1				
6	4	172A64-74220	SPOOL ASSY,PTO	1	1	1	1				
7	4	172490-74310	CHECK VALVE	1	1	1	1				
8	4	172490-74320	SPRING, CHECK VALVE	1	1	1	1				
9	4	172490-74330	STAY, CHECK VALVE	1	1	1	1				
10	4	172458-74650	STAY, CHECK VALVE	2	2	2	2				
11	4	24311-000120	O-RING 1A P 12.0	1	1	1	1				
12	4	24315-000110	O-RING 1B P-11.0	1	1	1	1				
13	4	24315-000140	O-RING 1B P-14.0	2	2	2	2				
14	4	26450-050102	BOLT M 5X 10	2	2	2	2				
15	4	26450-050182	BOLT 5* 18	2	2	2	2				
16	3	172456-74290	RELIEF VALVE PLUG	2	2	2	2				
17	2	172A64-74230	ARM SELECT	1	1	1	1				
18	3	172447-74230	ANTI-CAVITATION	1	1	1	1				
19	3	172A64-74240	ARM SEC ASSY	1	1	1	1				
20	4	172458-74150	CHECK VALVE	1	1	1	1				
21	4	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
22	4	172458-74230	PACKING S 22	2	2	2	2				
23	4	172458-74240	COVER B1, PILOT	1	1	1	1				
24	4	172A64-74250	SPOOL ASSY,ARM	1	1	1	1				
25	4	172458-74250	COVER A1, PILOT	1	1	1	1				
26	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4				
27	4	172458-74630	STAY, CHECK VALVE	1	1	1	1				
28	4	24315-000110	O-RING 1B P-11.0	1	1	1	1				
29	3	172462-74340	VALVE ASSY,OVER LOAD	1	1	1	1				
30	2	172458-74720	PACKING G 4	2	2	2	2				
31	2	24311-000060	O-RING 1A P-6.0	1	1	1	1				
32	2	24311-000180	O-RING 1A P-18.0	1	1	1	1				

Fig.57. CONTROL VALVE(6/7)

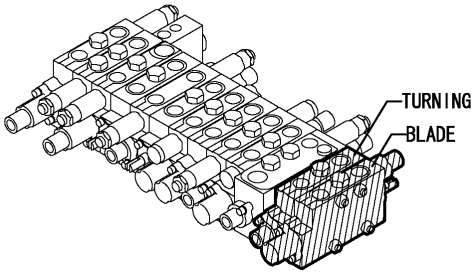
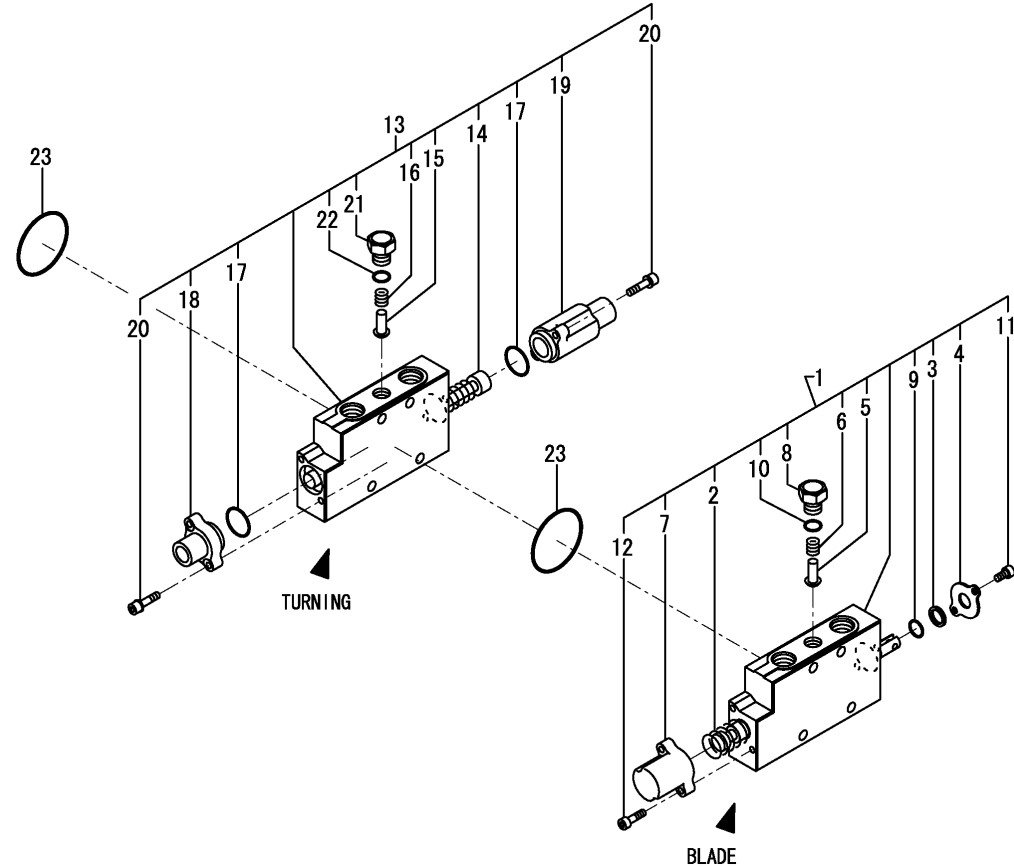
(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A64-74150	CONFLUENCE PART	1	1	1	1				
2	3	172A64-74160	CONFLUENCE SEC ASSY	1	1	1	1				
3	4	172A64-74170	CASE,FILTER	1	1	1	1				
I	4-1	4	172A47-74360	FILTER	1	1	1	1			
5	4	172A64-74190	RING, 8	1	1	1	1				
6	4	172458-74230	PACKING S 22	2	2	2	2				
7	4	172458-74240	COVER B1, PILOT	1	1	1	1				
8	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4				
9	4	172458-74290	CHECK VALVE	2	2	2	2				
10	4	172458-74360	SPRING, CHECK VALVE	2	2	2	2				
11	4	172458-74530	SEAT, SPRING	1	1	1	1				
12	4	172458-74540	SPRING,RETURN	1	1	1	1				
13	4	172458-74550	COVER A2, PILOT	1	1	1	1				
14	4	172458-74640	STAY, CHECK VALVE	2	2	2	2				
15	4	172458-74670	PLUG,PF1/8	2	2	2	2				
16	4	24315-000080	O-RING 1B P-8.0	2	2	2	2				
17	4	24315-000110	O-RING 1B P-11.0	2	2	2	2				
18	4	24315-240100	O-RING 1B P-10A	1	1	1	1				
19	3	172A64-74490	VALVE, RELIEF 170	1	1	1	1				



CONTROL VALVE ASSY
172A64-74100
Fig. 52 Ref. No. 1
INC. Fig. 52 Ref. No. 2~20.
Fig. 53 Ref. No. 1~30.
Fig. 54 Ref. No. 1~25.
Fig. 55 Ref. No. 1~28.
Fig. 56 Ref. No. 1~32.
Fig. 57 Ref. No. 1~19.
Fig. 58 Ref. No. 1~23.

Fig.58. CONTROL VALVE(7/7)

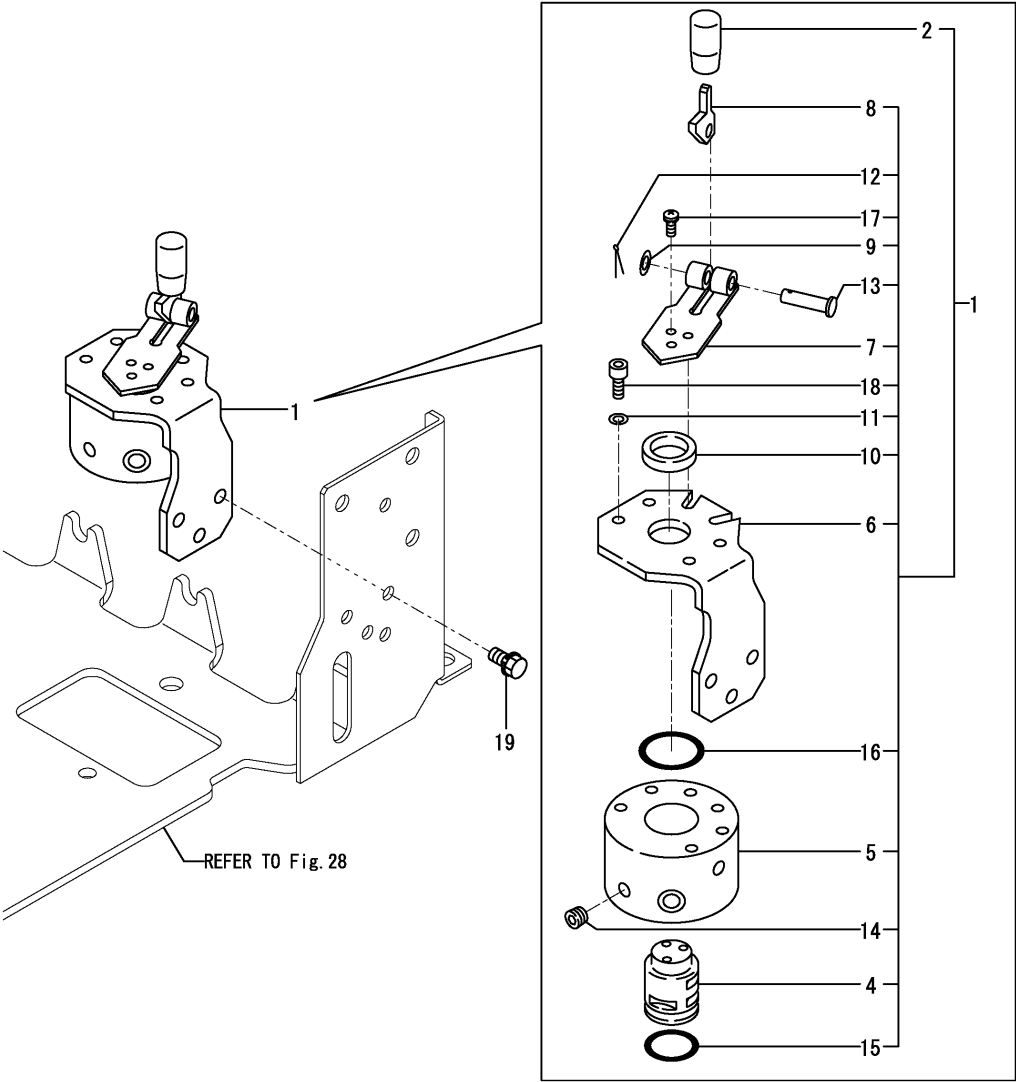


CONTROL VALVE ASSY
172A64-74100
Fig. 52 Ref. No. 1
INC. Fig. 52 Ref. No. 2~20.
Fig. 53 Ref. No. 1~30.
Fig. 54 Ref. No. 1~25.
Fig. 55 Ref. No. 1~28.
Fig. 56 Ref. No. 1~32.
Fig. 57 Ref. No. 1~19.
Fig. 58 Ref. No. 1~23.

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

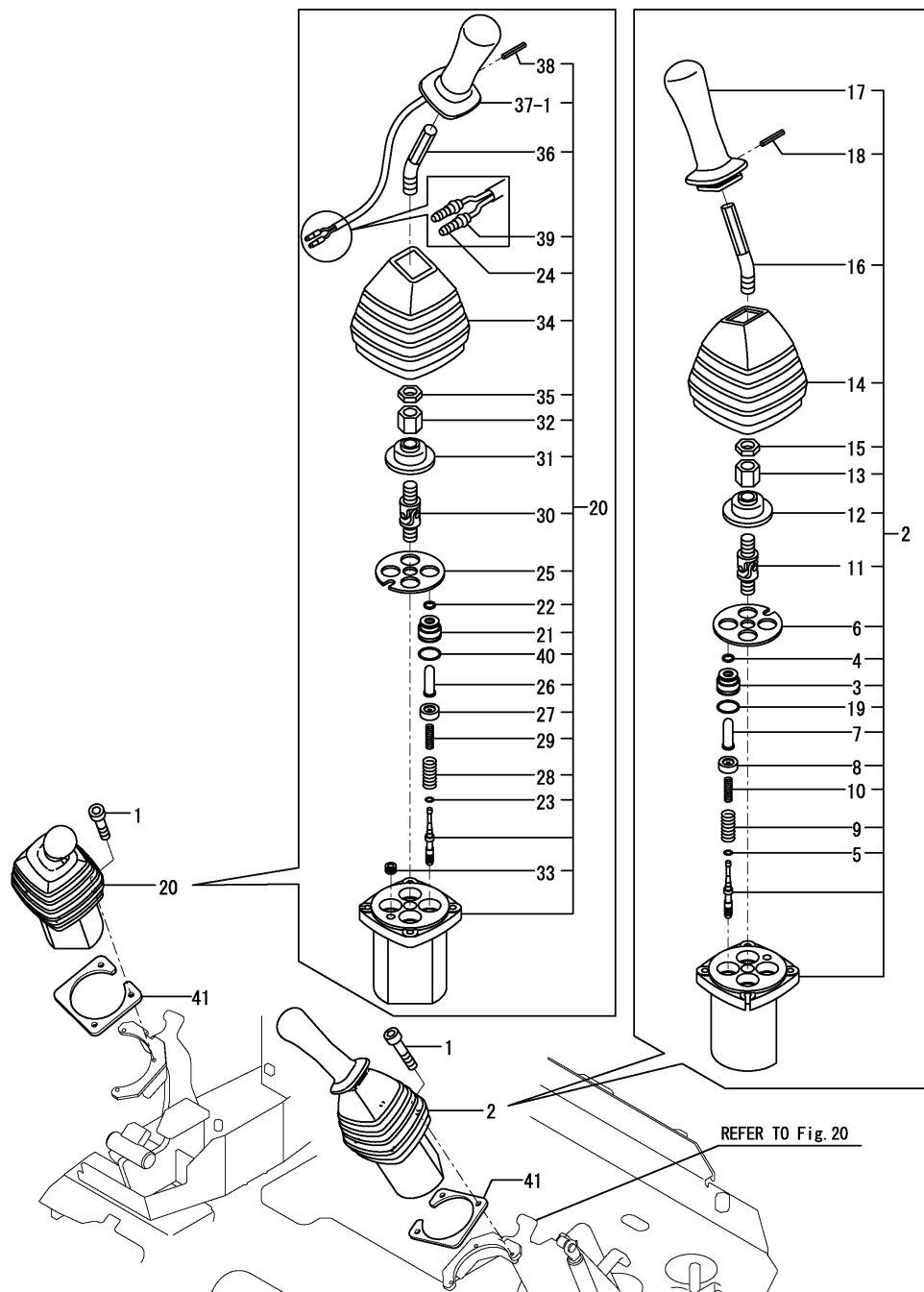
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A64-74110	BLADE SEC ASSY	1	1	1	1				
2	3	172A64-74120	SPOOL ASSY,BLADE	1	1	1	1				
3	3	172458-74130	DUST WIPER	1	1	1	1				
4	3	172458-74140	BRACKET, OIL SEAL	1	1	1	1				
5	3	172458-74150	CHECK VALVE	1	1	1	1				
6	3	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
7	3	172458-74170	CAP,SPRING	1	1	1	1				
8	3	172458-74630	STAY, CHECK VALVE	1	1	1	1				
9	3	24311-000120	O-RING 1A P 12.0	1	1	1	1				
10	3	24315-000110	O-RING 1B P-11.0	1	1	1	1				
11	3	26450-050102	BOLT M 5X 10	2	2	2	2				
12	3	26450-050182	BOLT 5* 18	2	2	2	2				
13	2	172A64-74130	SWING SEC ASSY	1	1	1	1				
14	3	172A64-74140	SPOOL ASSY,TURNING	1	1	1	1				
15	3	172458-74150	CHECK VALVE	1	1	1	1				
16	3	172458-74160	SPRING, CHECK VALVE	1	1	1	1				
17	3	172458-74230	PACKING S 22	2	2	2	2				
18	3	172458-74240	COVER B1, PILOT	1	1	1	1				
19	3	172458-74250	COVER A1, PILOT	1	1	1	1				
20	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4				
21	3	172458-74630	STAY, CHECK VALVE	1	1	1	1				
22	3	24315-000110	O-RING 1B P-11.0	1	1	1	1				
23	2	172458-74720	PACKING G 4	2	2	2	2				

Fig.59. 2-WAY VALVE

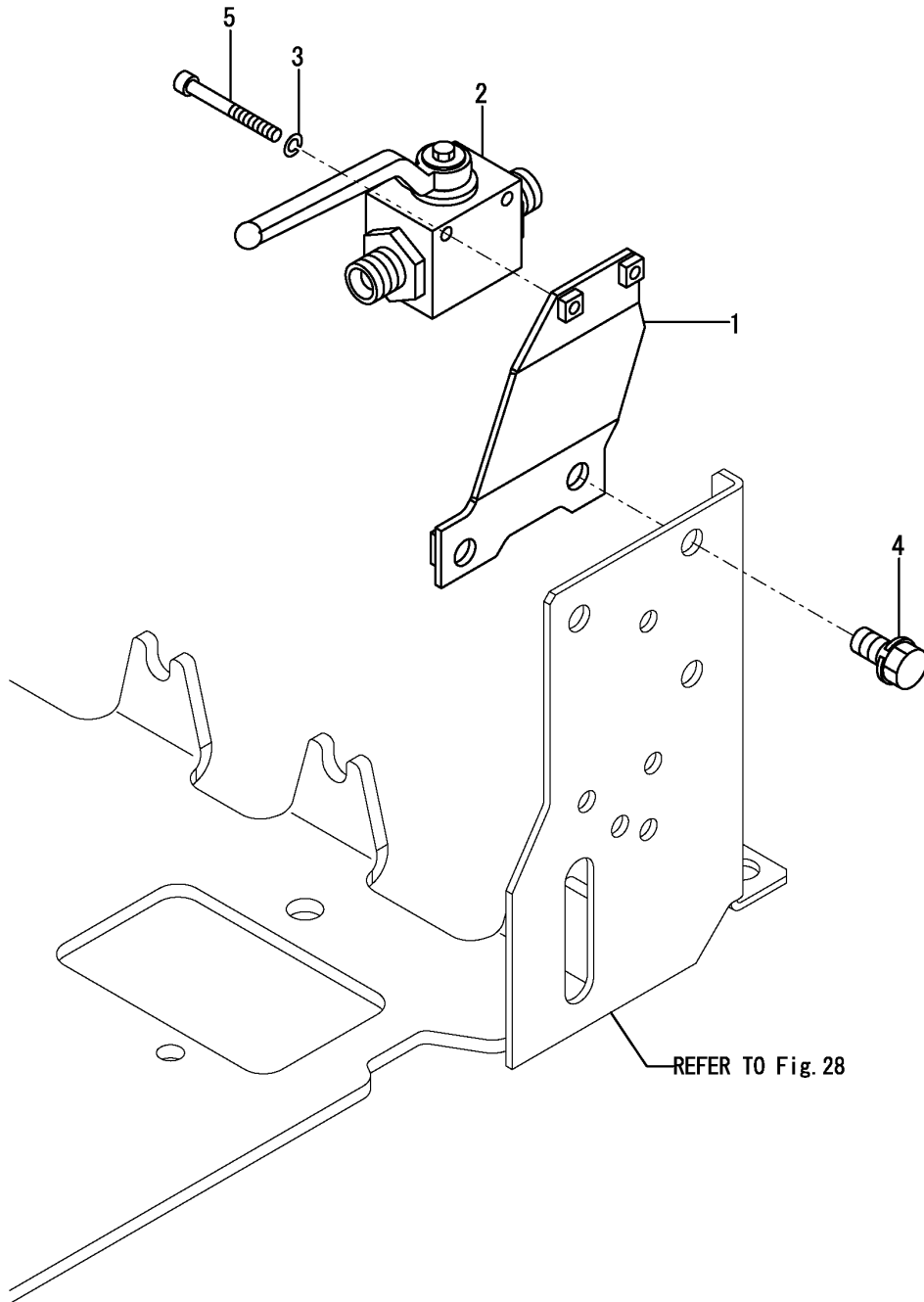


(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A36-74690	VALVE ASSY,2WAY	1	1	1					
2	2	172157-58830	KNOB 6.5X18X35	1	1	1					
4	3	172437-74711	SHAFT	1	1	1					
5	3	172437-74720	BLOCK,VALVE	1	1	1					
6	3	172437-74732	STAY ASSY	1	1	1					
7	3	172A36-74750	LEVER	1	1	1					
8	3	172A36-74780	PLATE,LOCK	1	1	1					
9	3	22117-080000	WASHER 8	1	1	1					
10	3	22137-240000	WASHER 24,POLISHED	1	1	1					
11	3	22217-060000	SPRING WASHER 6	4	4	4					
12	3	22417-200160	COTTER PIN 2.0X16	1	1	1					
13	3	22487-080300	PIN 8X 30	1	1	1					
14	3	23871-010000	PLUG PT1/8,SCREW	4	4	4					
15	3	24311-000250	O-RING 1A P-25.0	1	1	1					
16	3	24311-000320	O-RING 1A P-32.0	1	1	1					
17	3	26022-050122	SCREW M 5X 12	3	3	3					
18	3	26450-060162	BOLT M 6X 16	4	4	4					
19	1	26013-100202	BOLT W/WASHER M10X20	3	3	3					

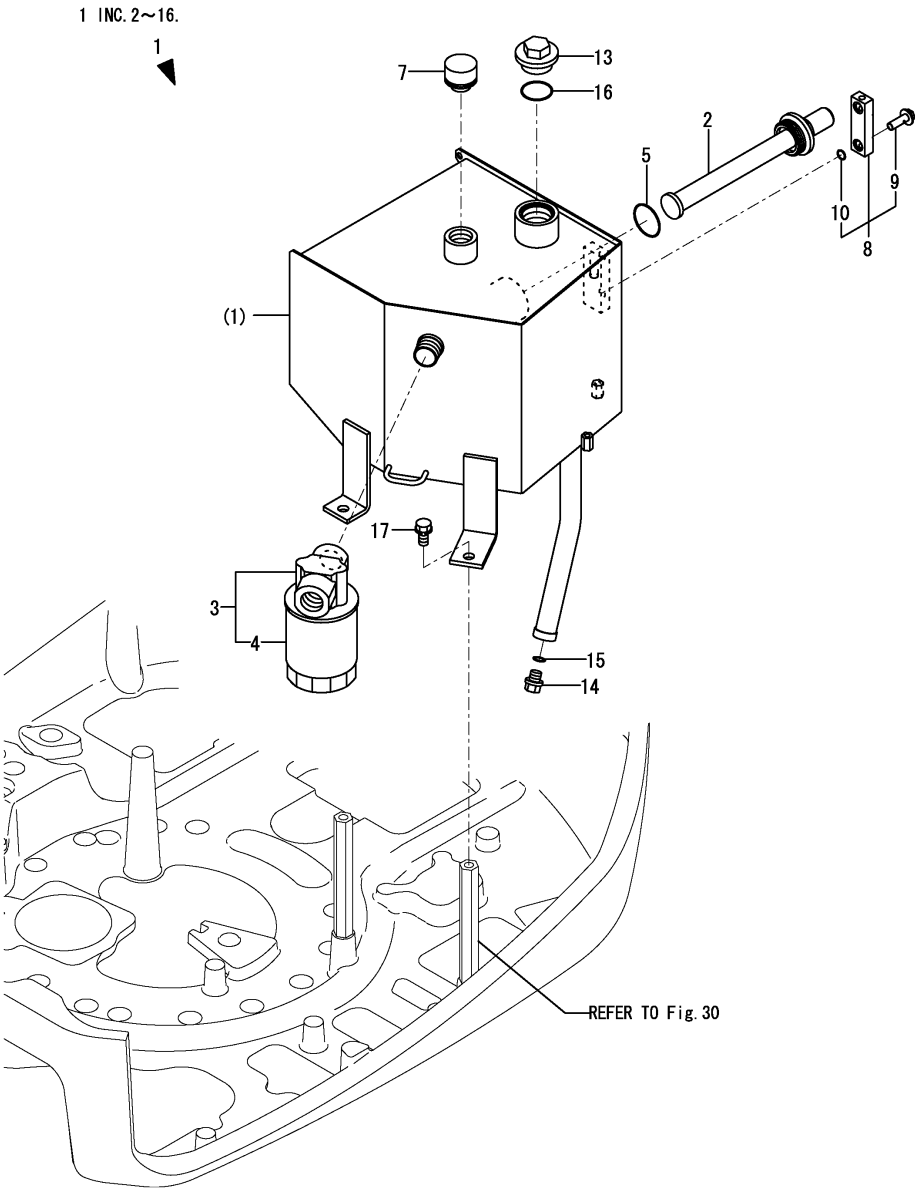


REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-46730	BOLT N6X30	6	6	6	6				
2	1	172A64-74310	REMOTE CONTROL VALVE	1	1	1	1				
3	2	172151-73400	PLUG	4	4	4	4				
4	2	172151-73420	SEAL	4	4	4	4				
5	2	172151-73450	WASHER	4	4	4	4				
6	2	172A64-74590	PLATE	1	1	1	1				
7	2	172A64-74600	ROD,PUSH	4	4	4	4				
8	2	172A64-74610	SEAT,SPRING	4	4	4	4				
9	2	172A64-74620	SPRING	4	4	4	4				
10	2	172A64-74630	SPRING	4	4	4	4				
11	2	172A64-74640	JOINT	1	1	1	1				
12	2	172A64-74650	PLATE,CIRCULAR	1	1	1	1				
13	2	172A64-74660	NUT,ADJUSTING	1	1	1	1				
14	2	172A64-74680	BELLOWS	1	1	1	1				
15	2	172A64-74900	NUT,LOCK	1	1	1	1				
16	2	172A64-74910	LEVER	1	1	1	1				
17	2	172A64-74920	KNOB	1	1	1	1				
18	2	172A64-74930	PIN,SPRING	1	1	1	1				
19	2	24315-000200	O-RING 1B P-20.0	4	4	4	4				
20	1	172A64-74320	REMOTE CONTROL VALVE	1	1	1	1				
21	2	172151-73400	PLUG	4	4	4	4				
22	2	172151-73420	SEAL	4	4	4	4				
23	2	172151-73450	WASHER	4	4	4	4				
24	2	172151-73610	TERMINAL	2	2	2	2				
25	2	172A64-74590	PLATE	1	1	1	1				
26	2	172A64-74600	ROD,PUSH	4	4	4	4				
27	2	172A64-74610	SEAT,SPRING	4	4	4	4				
28	2	172A64-74620	SPRING	4	4	4	4				
29	2	172A64-74630	SPRING	4	4	4	4				
30	2	172A64-74640	JOINT	1	1	1	1				
31	2	172A64-74650	PLATE,CIRCULAR	1	1	1	1				
32	2	172A64-74660	NUT,ADJUSTING	1	1	1	1				
33	2	172A64-74670	BUSH	1	1	1	1				
34	2	172A64-74680	BELLOWS	1	1	1	1				
35	2	172A64-74900	NUT,LOCK	1	1	1	1				
36	2	172A64-74910	LEVER	1	1	1	1				
37-1	2	172A64-74950	KNOB	1	1	1	1				
38	2	172A64-74930	PIN,SPRING	1	1	1	1				
39	2	172A64-74940	SLEEVE,INSULATION	2	2	2	2				
40	2	24315-000200	O-RING 1B P-20.0	4	4	4	4				
41	1	172A78-74650	PLATE CMP(VALVE	2	2	2	2				W
(A=M/#01400) (B=M/#01400) (C=M/#01400) (D=M/#01400)											



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-45600	STAY ASSY,VALVE	1	1	1					
2	1	172A64-74800	STOP VALVE 06 ASSY	1	1	1					
3	1	22217-050000	SPRING WASHER 5	2	2	2					
4	1	26013-100202	BOLT W/WASHER M10X20	2	2	2					
5	1	26450-050452	BOLT M 5X 45	2	2	2					

Fig.62. HYD.OIL TANK



Remarks

- (1)PLEASE USE THIS PART WITH FOLLOWI-
NG LABEL AT THE SAME TIME.
REF.NO.18A.
(2)LABELS ARE NOT ILLUSTRATED.

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

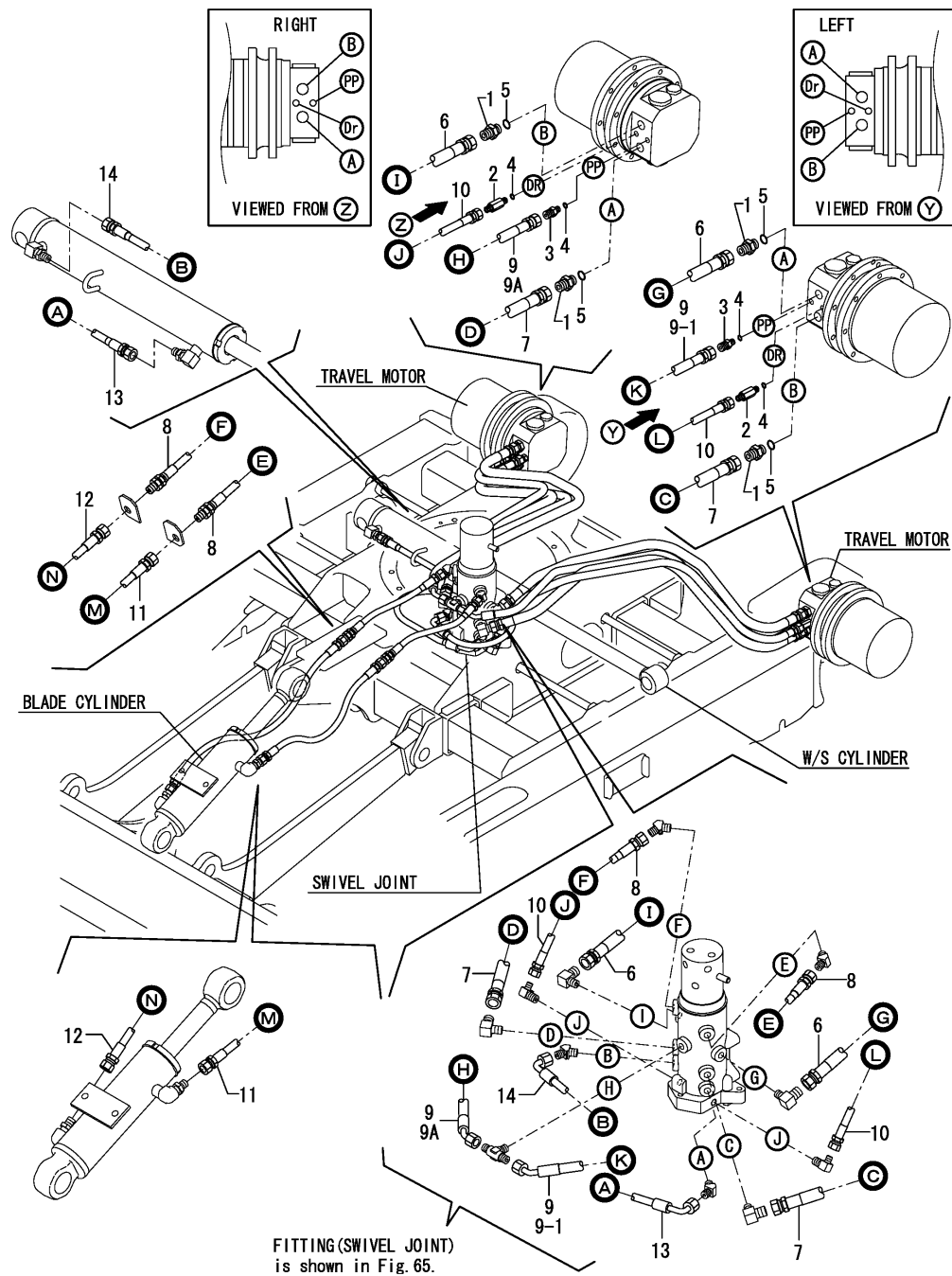
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A64-75100	RESERVOIR TANK ASSY	1	1	1	1				1
2	2	172A64-73700	STRAINER	1	1	1	1				
3	2	172A64-73770	FILTER ASSY, RETURN	1	1	1	1				
4	3	172A64-73780	ELEMENT ASSY, FILTER	1	1	1	1				
5	2	24315-000440	O-RING 1B P-44.0	1	1	1	1				
7	2	172446-75250	CAP	1	1	1	1				
8	2	172447-75600	GAUGE ASSY	1	1	1	1				
9	3	172455-75290	BOLT M10	2	2	2	2				
10	3	172455-75300	O-RING	4	4	4	4				
13	2	172116-75850-B	PLUG (GRAY:49)	1	1	1	1				
14	2	23491-140002	PLUG 14	1	1	1	1				
15	2	24311-000160	O-RING 1A P-16.0	1	1	1	1				
16	2	24311-000380	O-RING 1A P-38.0	1	1	1	1				
17	1	26013-120252	BOLT M12X 25	3	3	3	3				
18A	1	172437-03322	LABEL, HYD.OIL TANK	1	1	1	1				2



(D)=VIO17(SG)
(E)=
(F)=

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
(C)Copyrights YANMAR CO.,LTD.

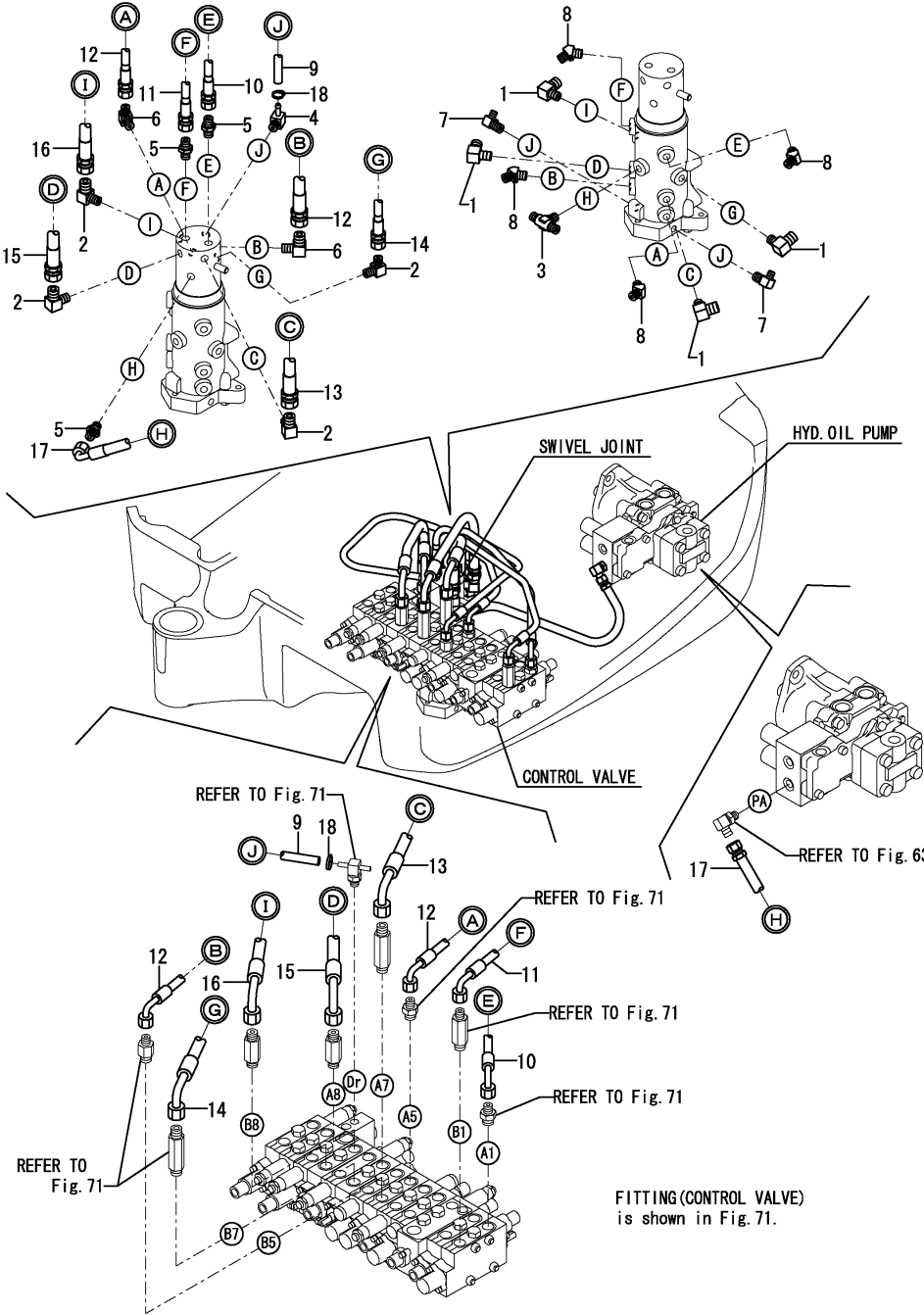
Fig.64. HYD.OIL PIPING(LOWER)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	JOINT	4	4	4	4				
2	1	172A64-76101	JOINT G1/8-G1/8	2	2	2	2				
3	1	172447-76210	JOINT G1/8-G1/4	2	2	2	2				
4	1	24315-000080	O-RING 1B P-8.0	4	4	4	4				
5	1	24315-000140	O-RING 1B P-14.0	4	4	4	4				
6	1	172A64-78441	HOSE	2	2	2	2				
7	1	172A64-78451	HOSE	2	2	2	2				
8	1	172A64-78470	HOSE	2	2	2	2				
9	1	172A64-78481	HOSE	2	2	2	2				
9-1	1	172A64-78482	HOSE	1	1	1	1			S	
(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)											
9A	1	172A64-78460	HOSE	1	1	1	1			W	
(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)											
10	1	172A64-78492	HOSE	2	2	2	2				
11	1	172A64-78501	HOSE	1	1	1	1				
12	1	172A64-78511	HOSE	1	1	1	1				
13	1	172A64-78520	HOSE	1	1	1	1				
14	1	172A64-78530	HOSE	1	1	1	1				

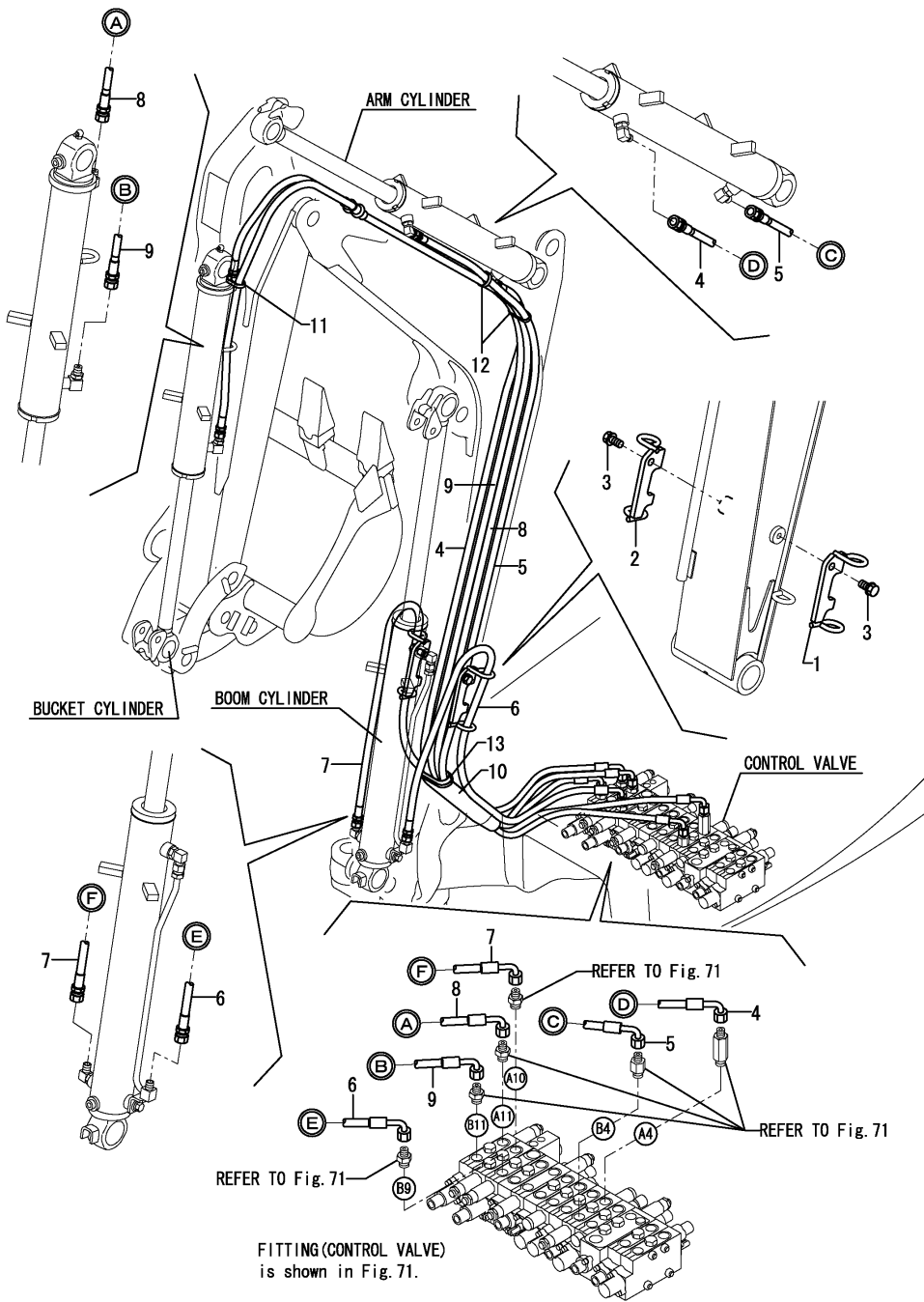
Fig.65. HYD.OIL PIPING(SWIVEL JOINT)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172147-76180	ELBOW 90 1/4X3/8	4	4	4	4				
2	1	172147-76180	ELBOW 90 1/4X3/8	4	4	4	4				
3	1	172162-76320	CONNECTOR 3-1/4	1	1	1	1				
4	1	172186-76390	NIPPLE	1	1	1	1				
5	1	23391-020000	JOINT RG11/4	3	3	3	3				
6	1	23393-020000	JOINT 90RG11/4	2	2	2	2				
7	1	23393-020000	JOINT 90RG11/4	2	2	2	2				
8	1	23394-020000	JOINT 45RG11/4	4	4	4	4				
9	1	172A64-78211	HOSE	1	1	1	1				
9-1	1	172A64-78212	HOSE G804YY055	1	1	1	1			N	
		(A=M/# 00865) (B=M/# 00865) (C=M/# 00865) (D=M/# 00865)									
10	1	172A64-78250	HOSE	1	1	1	1				
11	1	172A64-78260	HOSE	1	1	1	1				
11-1	1	172A64-78261	HOSE	1	1	1	1			S	
		(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)									
12	1	172A64-78310	HOSE	2	2	2	2				
13	1	172A64-78350	HOSE	1	1	1	1				
14	1	172A64-78360	HOSE	1	1	1	1				
15	1	172A64-78371	HOSE	1	1	1	1				
16	1	172A64-78380	HOSE	1	1	1	1				
17	1	172A64-78610	HOSE	1	1	1	1				
17-1	1	172A64-78611	HOSE H504CE052	1	1	1	1			N	
		(A=EXXX) (B=EXXX) (C=EXXX) (D=EXXX)									
17-2	1	172A64-78612	HOSE	1	1	1	1			S	
		(A=M/# 01435) (B=M/# 01435) (C=M/# 01435) (D=M/# 01435)									
18	1	23000-013000	CLAMP 13	2	2	2	2				

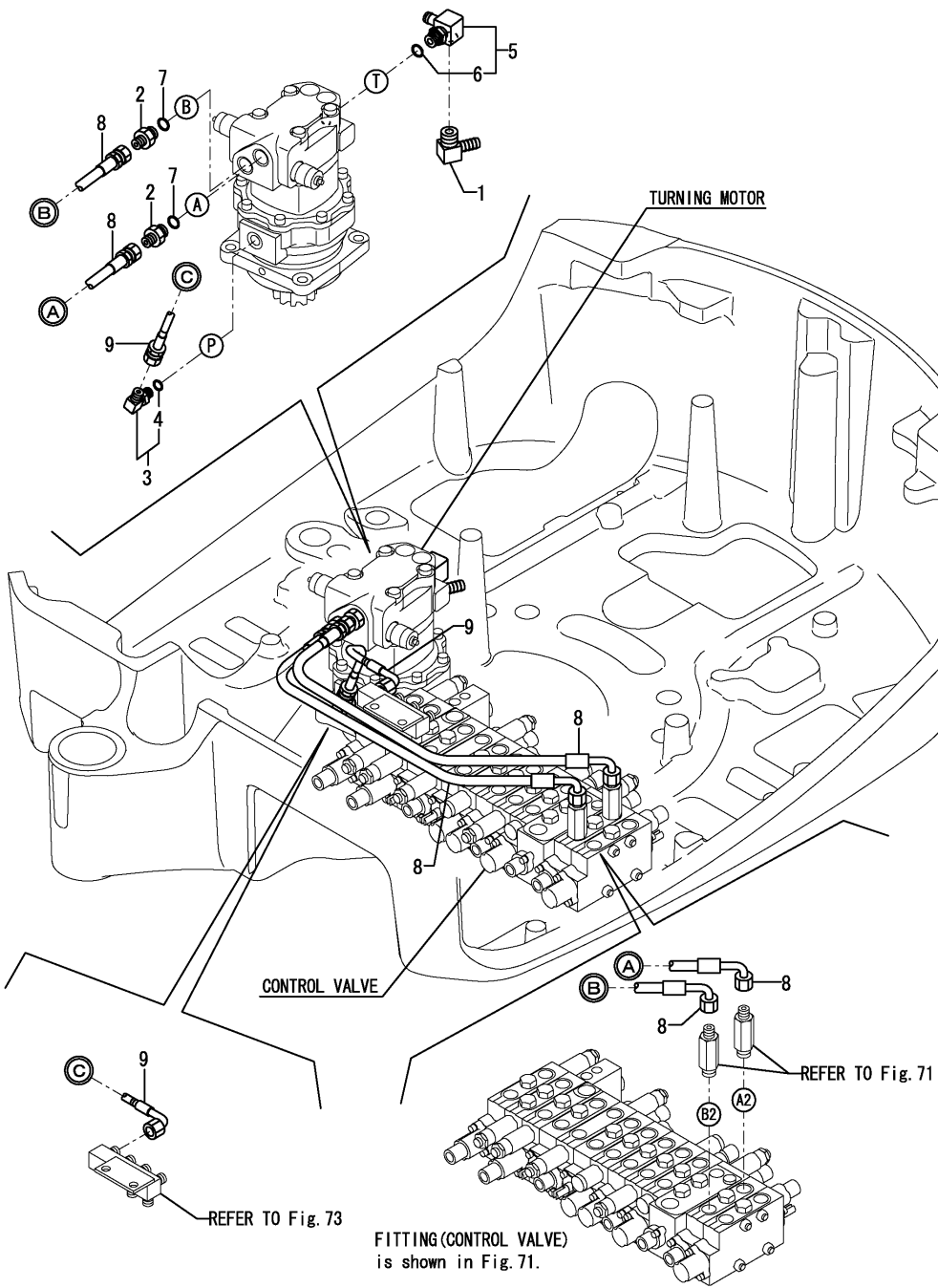
Fig.66. HYD.OIL PIPING(IMP)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-76200	GUIDE L,HOSE ASSY	1	1	1	1				
2	1	172A64-76240	GUIDE R,HOSE ASSY	1	1	1	1				
3	1	26013-120302	BOLT W/WASHER M12X30	2	2	2	2				
4	1	172A64-78291	HOSE	1	1	1	1				
5	1	172A64-78301	HOSE	1	1	1	1				
6	1	172A64-78391	HOSE	1	1	1	1				
7	1	172A64-78401	HOSE	1	1	1	1				
8	1	172A64-78411	HOSE	1	1	1	1				
9	1	172A64-78421	HOSE	1	1	1	1				
10	1	172A64-78910	COVER, HOSE	1	1	1	1				
11	1	172122-79920	CLAMP	1	1	1	1				
12	1	194202-56460	BAND	2	2	2	2				
13	1	172126-11510	BAND 300	1	1	1	1				

Fig.67. HYD.OIL PIPING(TURNING MOTOR)

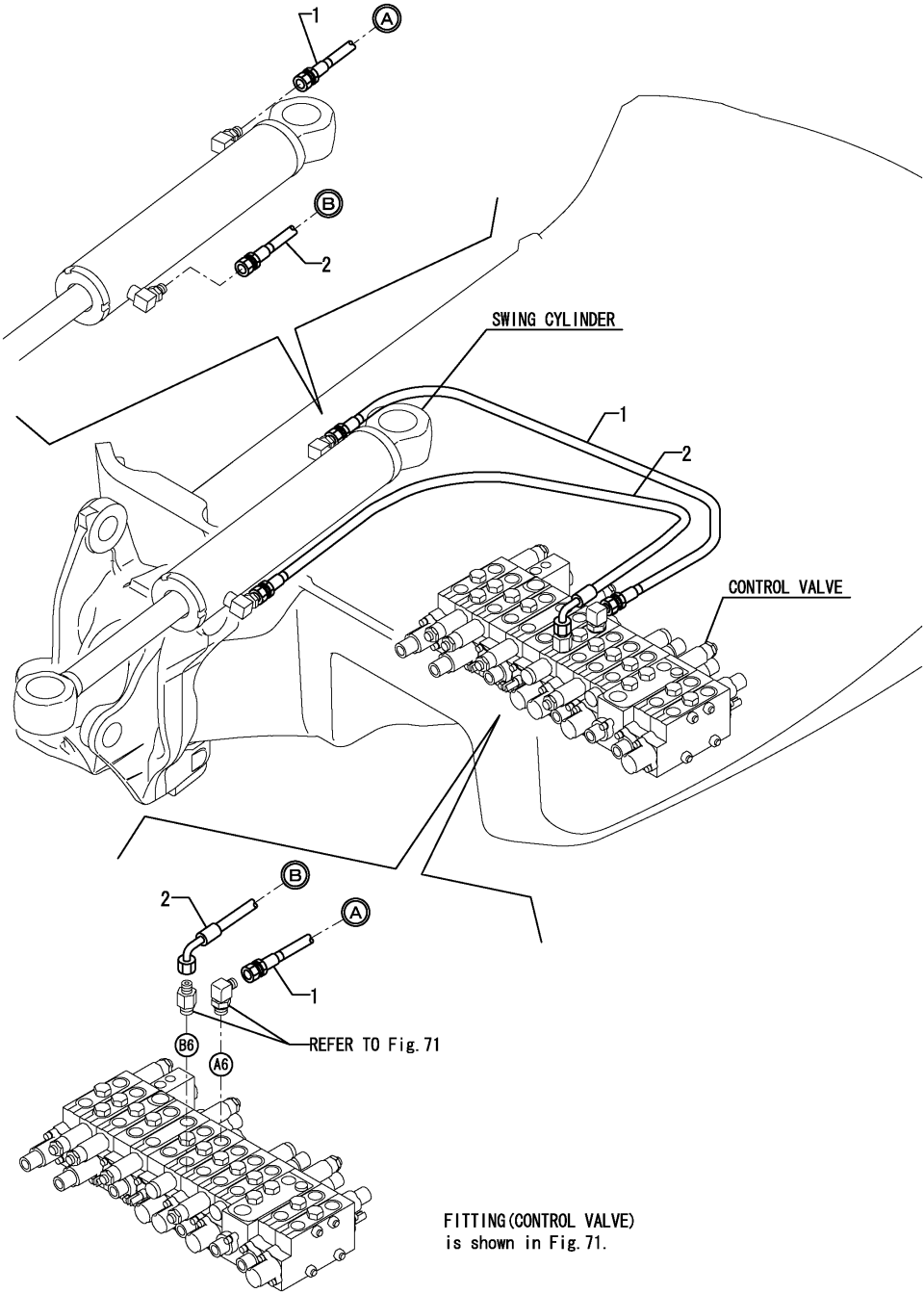


OCS10-G49500 67. HYD.OIL PIPING(TURNING MOTOR)

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172131-76130	ELBOW,NIPPLE	1	1	1	1				
2	1	172124-76160	CONNECTOR	2	2	2	2				
3	1	172141-76180	CONNECTOR	1	1	1	1				
4	2	24315-000110	O-RING 1B P-11.0	1	1	1	1				
5	1	172487-76200	ELBOW	1	1	1	1				
6	2	24315-000140	O-RING 1B P-14.0	1	1	1	1				
7	1	24315-000140	O-RING 1B P-14.0	2	2	2	2				
8	1	172A64-78270	HOSE	2	2	2	2				
9	1	172A64-78651	HOSE	1	1	1	1				

Fig.68. HYD.OIL PIPING(SWING CYLINDER)

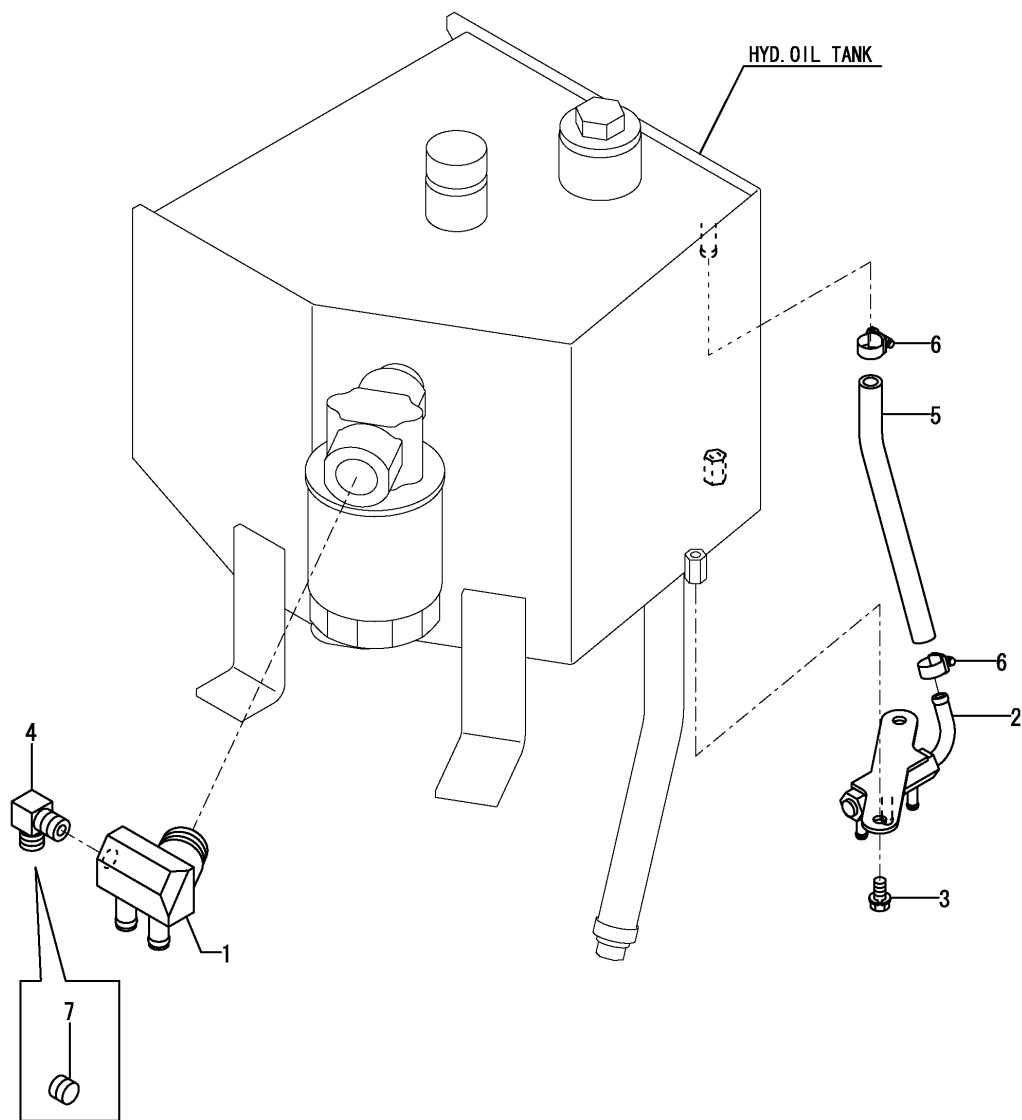


0CS10-G49500 68. HYD.OIL PIPING(SWING CYLINDER)

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-78330	HOSE	1	1	1	1				
2	1	172A64-78340	HOSE	1	1	1	1				

Fig.69. HYD.OIL PIPING(RESERVOIR)



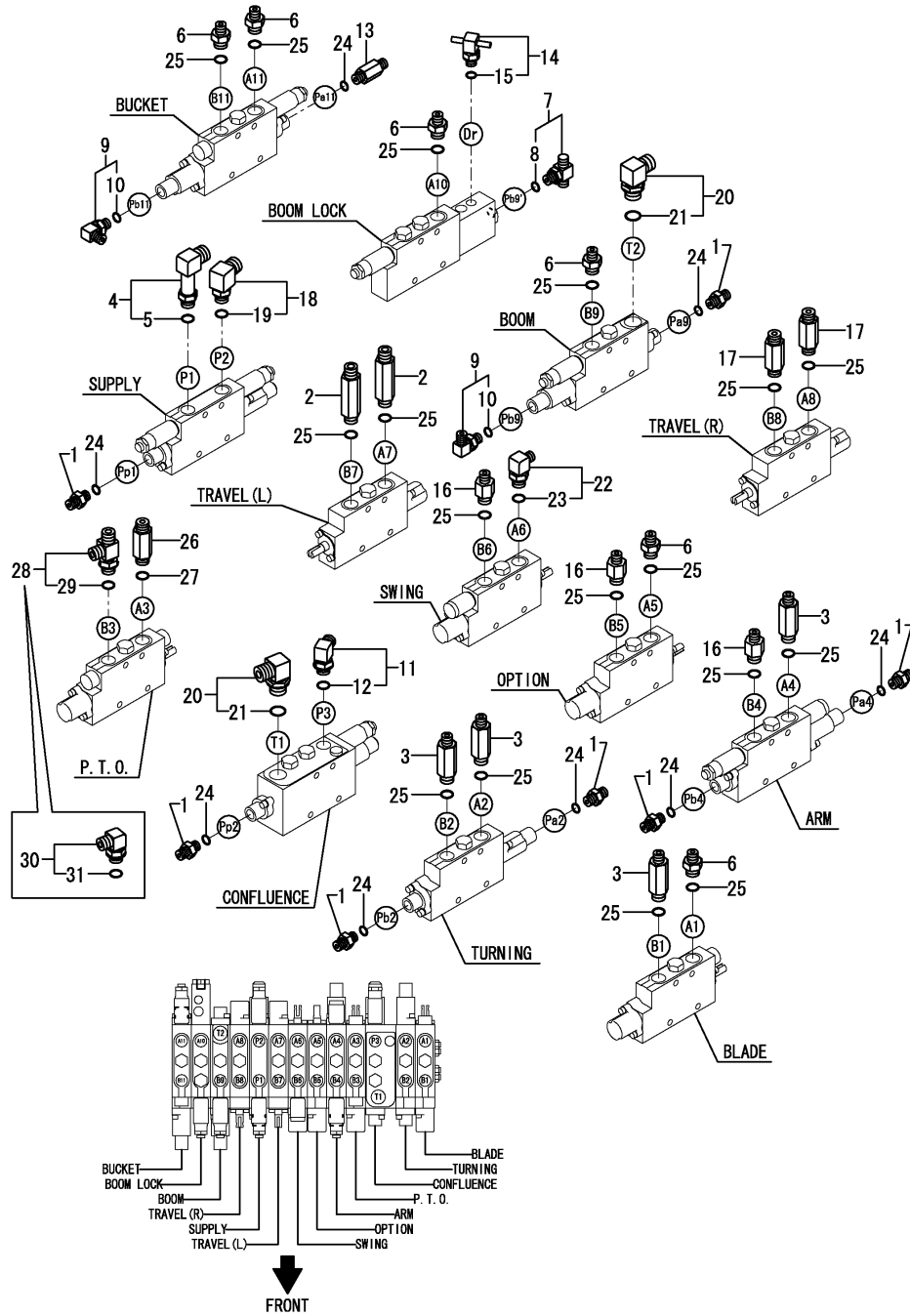
OCS10-G49500 69. HYD.OIL PIPING(RESERVOIR)

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-76120	JOINT, DRAIN	1	1	1	1				
2	1	172A64-76140	BLOCK, DRAIN	1	1	1	1				
3	1	26013-080202	BOLT W/WASHER M8X20	2	2	2	2				
4	1	23393-030000	JOINT 90RGI 3/8	1	1	1	1				
5	1	172A64-78231	HOSE	1	1	1	1				
6	1	23001-016000	HOSE CLAMP 16	2	2	2	2				
I	7	1	23871-030000	PLUG, R03						1	



N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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(A)=VIO17(US)

(B)=VIO17(AS)

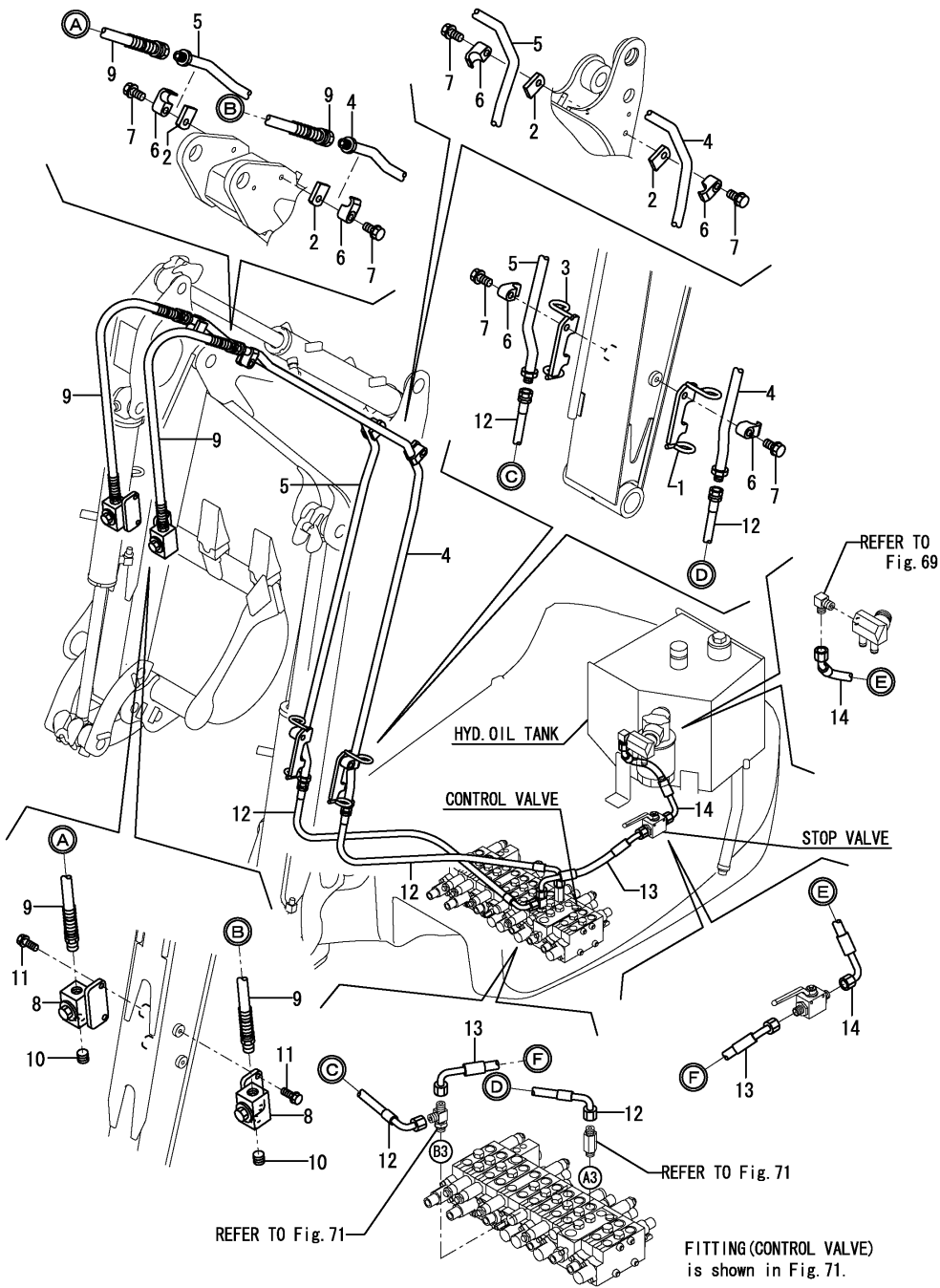
(C)=VIO17(NZ)

(D)=VIO17(SG)

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY				(E)	(F)	I	R
				(A)	(B)	(C)	(D)				
1	1	172123-76121	JOINT PF1/4	7	7	7	7				
2	1	172162-76131	ADAPTER	2	2	2	2				
3	1	172422-76130	CONNECTOR	4	4	4	4				
4	1	172A64-76160	ELBOW 1/2X3/8 ASSY	1	1	1	1				
5	2	24315-000140	O-RING 1B P-14.0	1	1	1	1				
6	1	172124-76160	CONNECTOR	6	6	6	6				
7	1	172187-76170	THEETH	1	1	1	1				
8	2	24315-000110	O-RING 1B P-11.0	1	1	1	1				
9	1	172141-76180	CONNECTOR	2	2	2	2				
10	2	24315-000110	O-RING 1B P-11.0	2	2	2	2				
11	1	172142-76181	JOINT 90-3/8 ASSY	1	1	1	1				
12	2	24315-000140	O-RING 1B P-14.0	1	1	1	1				
13	1	172183-76200	CONNECTOR 1/4-1/4	1	1	1	1				
14	1	172A47-76230	NIPPLE G1/4	1	1	1	1				
15	2	24315-000110	O-RING 1B P-11.0	1	1	1	1				
16	1	172147-76260	CONNECTOR	3	3	3	3				
17	1	172116-76381	ADAPTER 64	2	2	2	2				
18	1	172645-76570	CONNECTOR 3/8X1/2	1	1	1	1				
19	2	24315-000140	O-RING 1B P-14.0	1	1	1	1				
20	1	172141-76900	CONNECTOR 1/2L	2	2	2	2				
21	2	24315-000180	O-RING 1B P-18.0	2	2	2	2				
22	1	172141-76920	CONNECTOR 3/8-1/4L	1	1	1	1				
23	2	24315-000140	O-RING 1B P-14.0	1	1	1	1				
24	1	24315-000110	O-RING 1B P-11.0	8	8	8	8				
25	1	24315-000140	O-RING 1B P-14.0	17	17	17	17				
26	1	172116-76381	ADAPTER 64	1	1	1	1				
27	1	24315-000140	O-RING 1B P-14.0	1	1	1	1				
28	1	172480-76120	ADJUSTABLE TEE 3/8	1	1	1					
29	2	24315-000140	O-RING 1B P-14.0	1	1	1					
I 30	1	172142-76181	JOINT, 90-3/8				1				
I 31	2	24315-000140	O-RING 1B P-14.0				1				

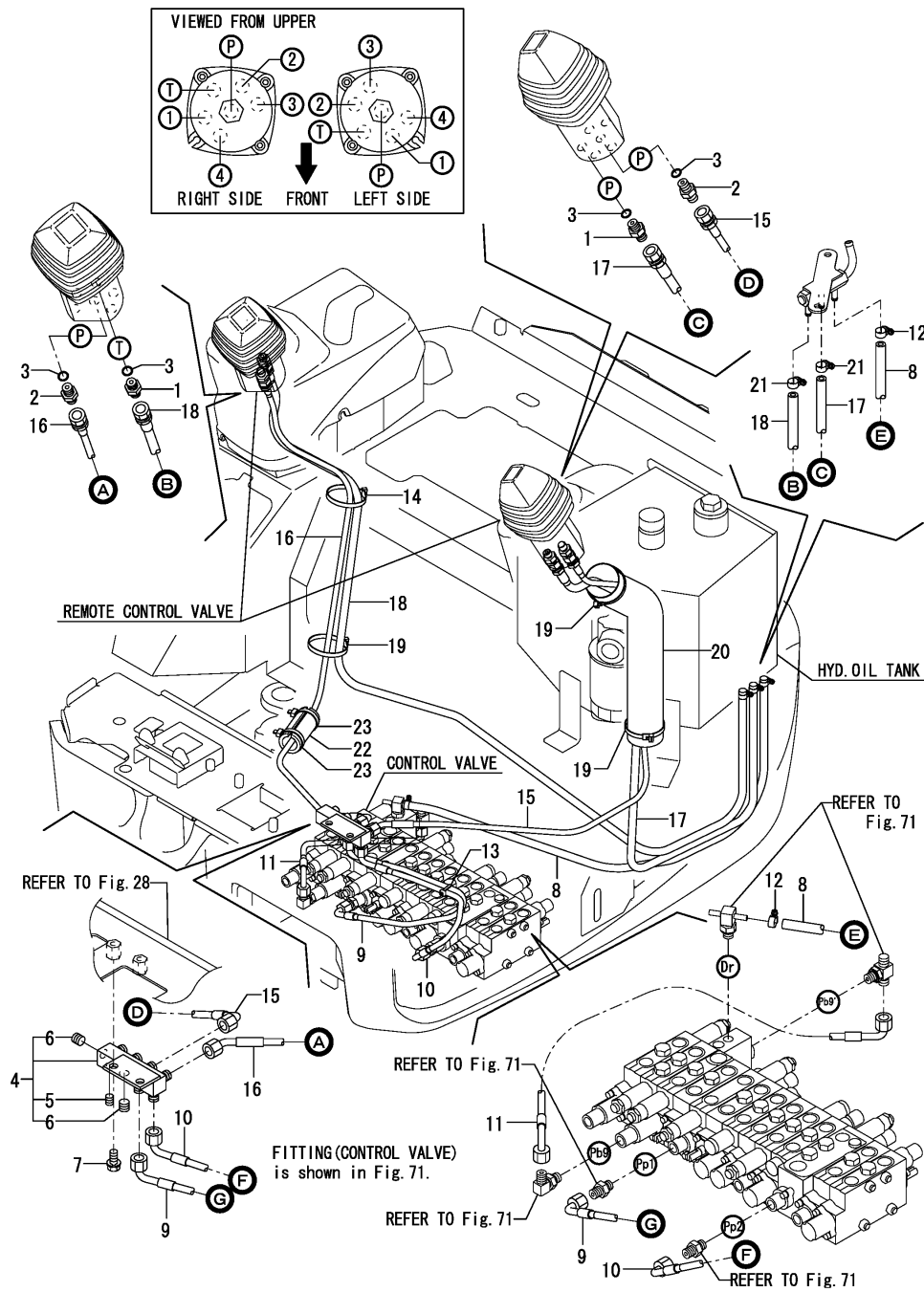
Fig.72. HYD.OIL PIPING(P.T.O.)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-76250	GUIDE PL,HOSE ASSY	1	1	1	1				
2	1	172183-76250-2	PLATE (YELLOW:2J)	4	4	4	4				
2-1	1	172183-76250-Y	PLATE	4	4	4	4				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
3	1	172A64-76260	GUIDE PR,HOSE ASSY	1	1	1	1				
4	1	172A64-76600-1	TUBE ASSY, PTO	1	1	1	1				
4-1	1	172A64-76600-Y	TUBE ASSY, PTO	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
5	1	172A64-76630-1	TUBE ASSY, PTO	1	1	1	1				
5-1	1	172A64-76630-Y	TUBE ASSY, PTO	1	1	1	1				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
6	1	172142-76950-6	CLAMP	6	6	6	6				
6-1	1	172142-76950-Y	CLAMP	6	6	6	6				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
7	1	26013-120502	BOLT	6	6	6	6				
8	1	172183-74821-3	VALVE, STOP	2	2	2	2				
8-1	1	172183-74822-3	VALVE, STOP (2J)	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
8-2	1	172183-74821-Y	VALVE, STOP	2	2	2	2				S
		(A=M07001) (B=M07001) (C=M07001) (D=M07001)									
9	1	172A64-78590	HOSE	2	2	2	2				
10	1	23871-040000	PLUG	2	2	2	2				
11	1	26013-100252	BOLT	4	4	4	4				
12	1	172A64-78551	HOSE	2	2	2	2				
13	1	172A64-78570	HOSE	1	1	1					
14	1	172A64-78580	HOSE	1	1	1					

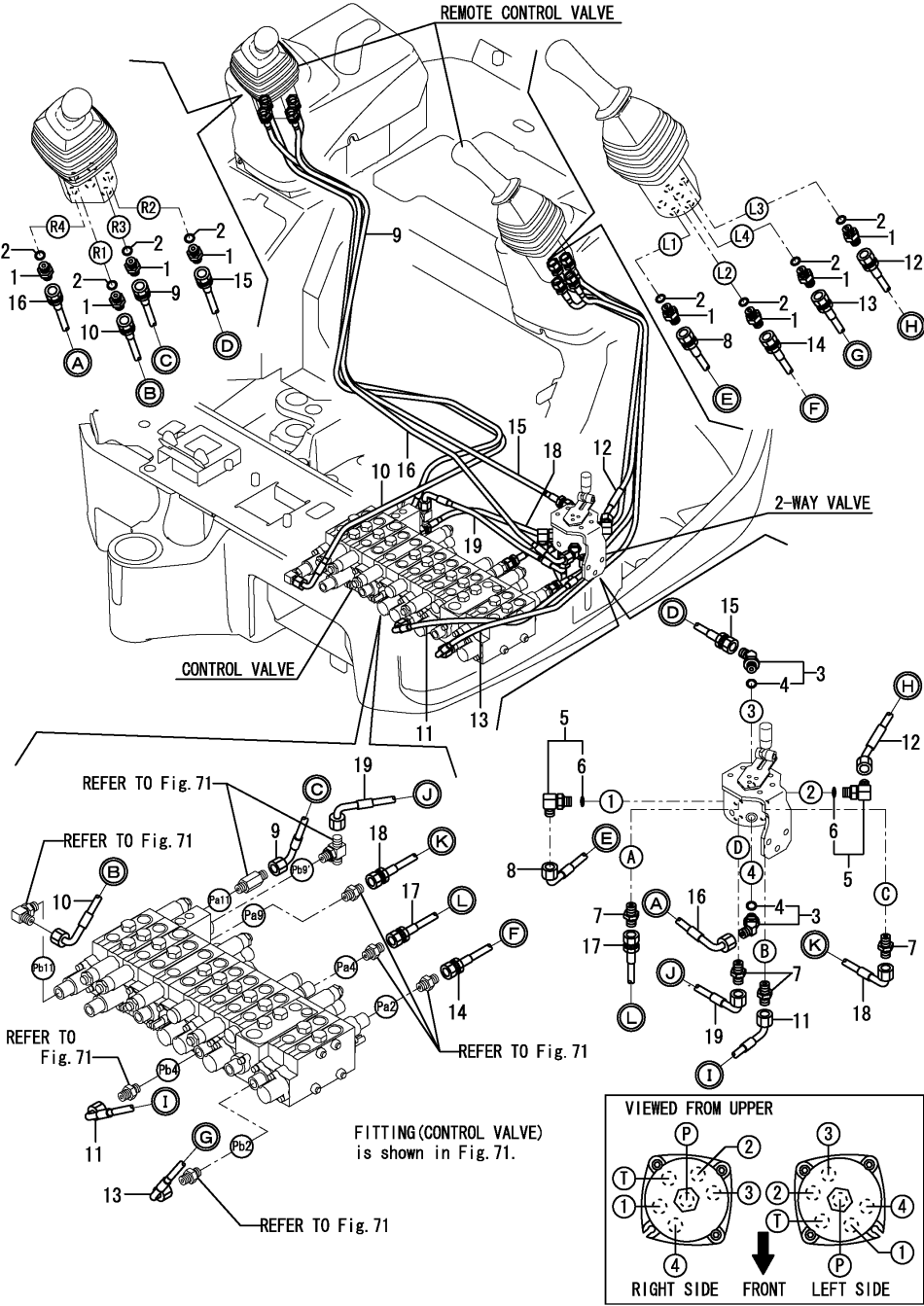
Fig.73. CONTROL PIPING(1)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	JOINT PF1/4	2	2	2	2				
2	1	172455-76220	CONNECTOR PF1/4	2	2	2	2				
3	1	24315-000110	O-RING 1B P-11.0	4	4	4	4				
4	1	172A47-76310	PILOT BLOCK	1	1	1	1				
5	2	23871-010000	PLUG PT1/8,SCREW	1	1	1	1				
6	2	23871-020000	PLUG PT1/4,SCREW	2	2	2	2				
7	1	26013-100162	BOLT M10X 16	2	2	2	2				
8	1	172A64-78221	HOSE	1	1	1	1				
9	1	172A64-78630	HOSE	1	1	1	1				
10	1	172A64-78640	HOSE	1	1	1	1				
11	1	172A64-78700	HOSE	1	1	1	1				
12	1	23000-013000	CLAMP 13	2	2	2	2				
13	1	172614-16520	BAND 100	1	1	1	1				
14	1	194202-56460	BAND	1	1	1	1				
15	1	172A64-78671	HOSE	1	1	1	1				
16	1	172A64-78681	HOSE	1	1	1	1				
17	1	172A64-78721	HOSE	1	1	1	1				
18	1	172A64-78730	HOSE	1	1	1	1				
19	1	172122-79930	CLAMP B	3	3	3	3				
20	1	172137-79950	COVER	1	1	1	1				
21	1	23000-013000	CLAMP 13	2	2	2	2				
22	1	172A46-78500	HOSE	1	1	1	1				W
(A=M/# 00865) (B=M/# 00865) (C=M/# 00865) (D=M/# 00865)											
23	1	933168-55770	BAND 146	2	2	2	2				W
(A=M/# 00865) (B=M/# 00865) (C=M/# 00865) (D=M/# 00865)											

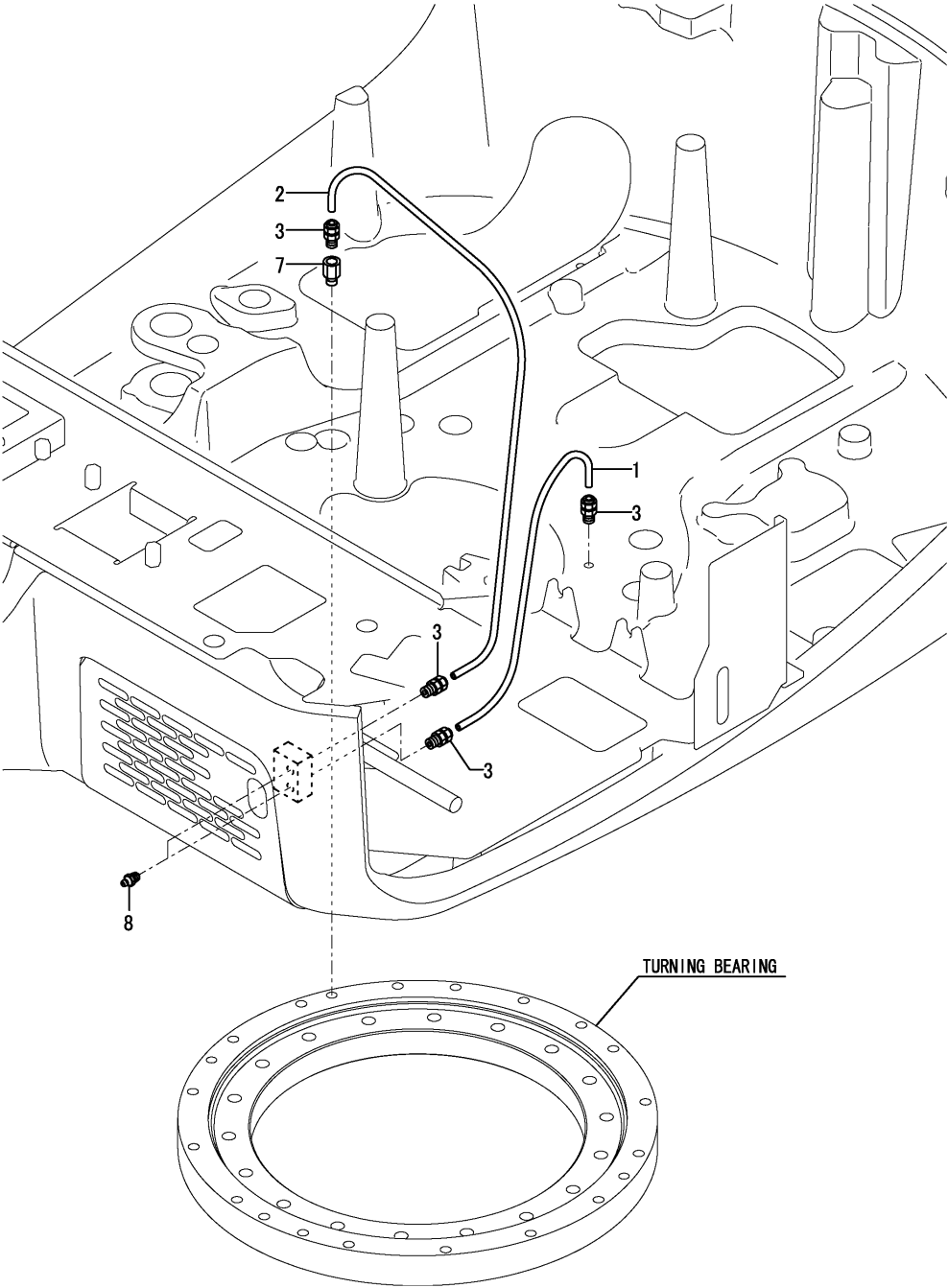
Fig.74. CONTROL PIPING(2 : 2-WAY SPEC.)



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

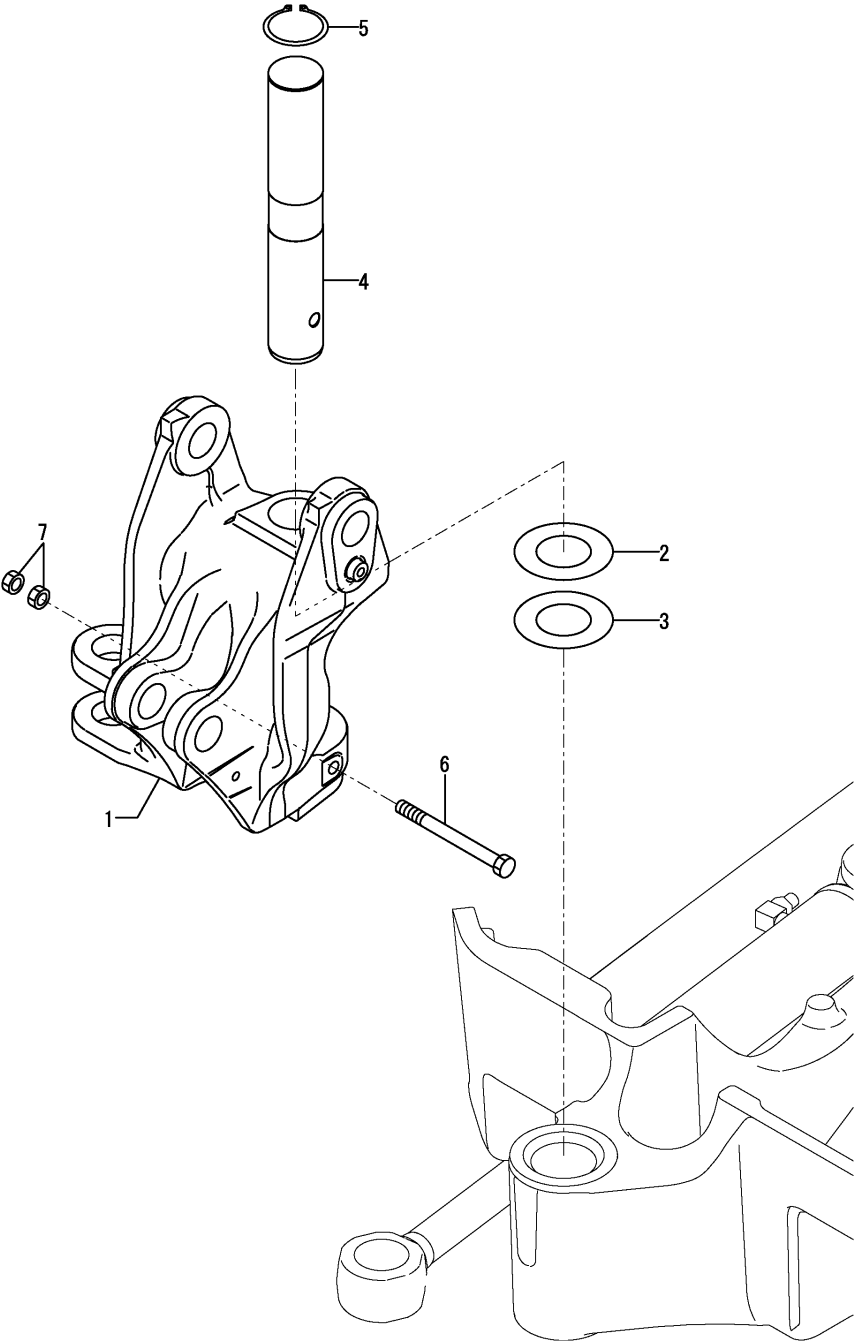
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	JOINT PF1/4	8	8	8					
2	1	24315-000110	O-RING 1B P-11.0	8	8	8					
3	1	172173-76101	CONNECTOR PF1/4-45	2	2	2					
4	2	24315-000110	O-RING 1B P-11.0	2	2	2					
5	1	172141-76180	CONNECTOR	2	2	2					
6	2	24315-000110	O-RING 1B P-11.0	2	2	2					
7	1	23391-020000	JOINT RGI1/4	4	4	4					
8	1	172A64-78761	HOSE	1	1	1					
9	1	172A64-78810	HOSE	1	1	1					
10	1	172A64-78821	HOSE	1	1	1					
11	1	172A64-78830	HOSE	1	1	1					
12	1	172A64-79111	HOSE	1	1	1					
13	1	172A64-79130	HOSE	1	1	1					
14	1	172A64-79140	HOSE	1	1	1					
15	1	172A64-79150	HOSE	1	1	1					
16	1	172A64-79160	HOSE	1	1	1					
17	1	172A64-79180	HOSE	1	1	1					
18	1	172A64-79191	HOSE	1	1	1					
19	1	172A64-79200	HOSE	1	1	1					

Fig.75. GREASING



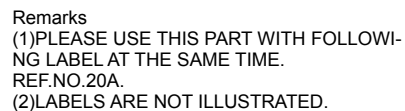
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-77800	HOSE	1	1	1	1				
2	1	172A64-77800	HOSE	1	1	1	1				
3	1	172A47-77820	JOINT,GREASE	4	4	4	4				
7	1	172312-77820	FITTING, GREASE	1	1	1	1				
8	1	24761-020000	NIPPLE PT1/8,GREASE	2	2	2	2				

Fig.76. BOOM BRACKET

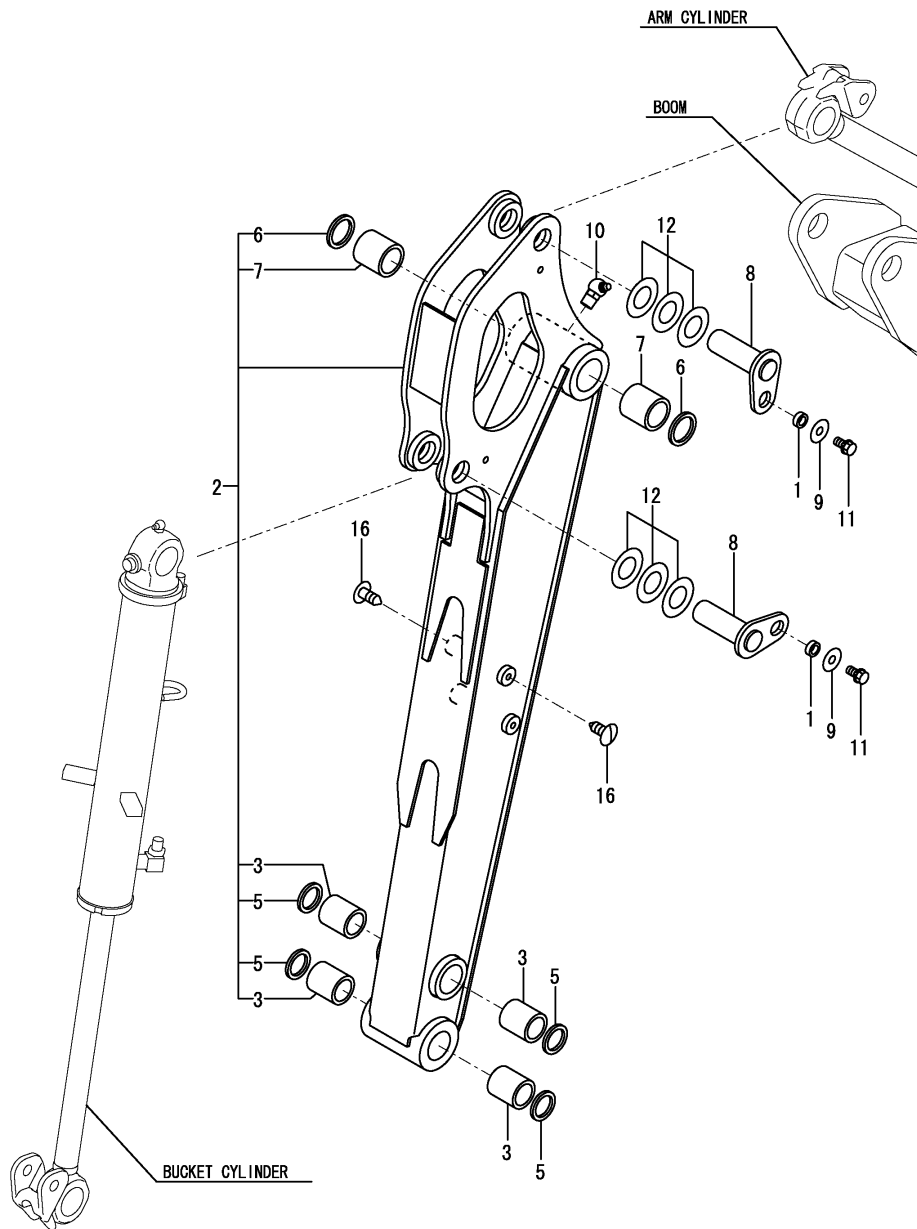


0CS10-G49500 76. BOOM BRACKET

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-82302-1	BRACKET,BOOM (2J)	1	1	1	1				
1-1	1	172448-82302-Y	BRACKET,BOOM	1	1	1	1			S	
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
2	1	172165-82520	SHIM	1	1	1	1				
3	1	172165-82530	SHIM	1	1	1	1				
4	1	172A64-82641	PIN, 50X312 CMP	1	1	1	1				
5	1	22242-000500	RING	1	1	1	1				
6	1	26116-121302	BOLT	1	1	1	1				
7	1	26756-120002	NUT	2	2	2	2				

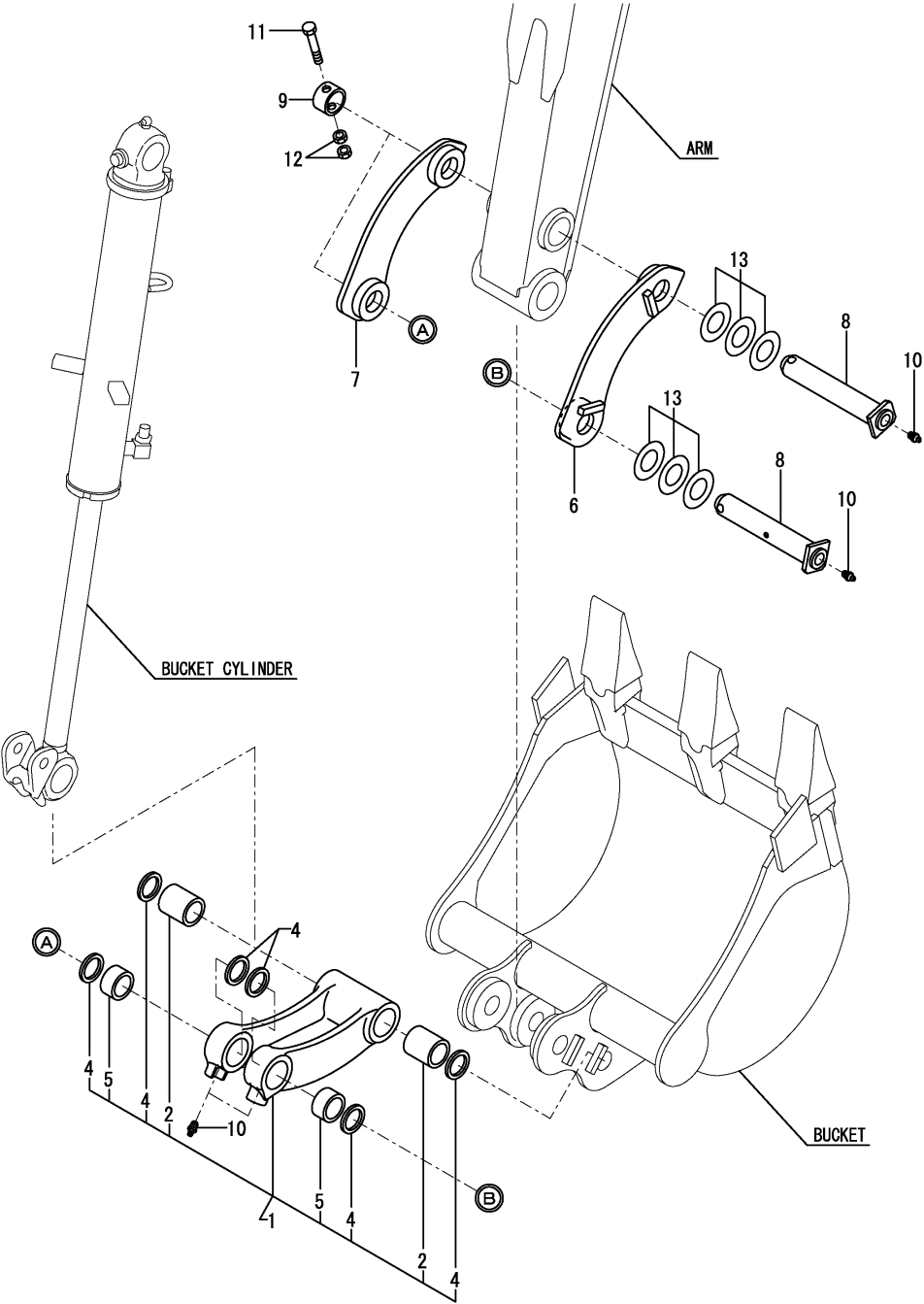


N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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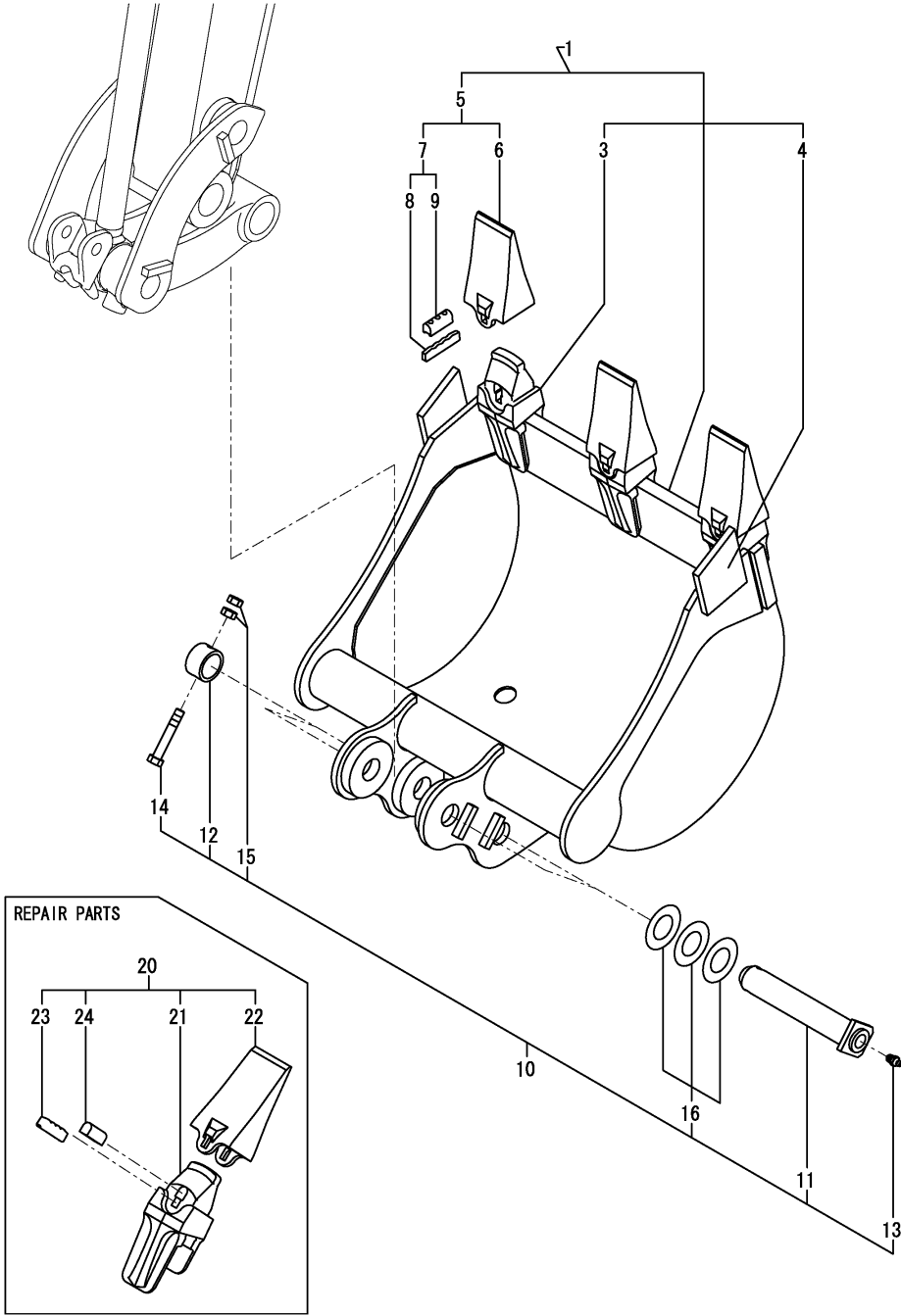
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)=VIO17(US) (B)=VIO17(AS) (C)=VIO17(NZ)		(D)=VIO17(SG) (E)= (F)=			I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	172010-01640	SPACER	2	2	2	2			
2	1	172A64-81500-1	ARM,950 (YELLOW:2J)	1	1	1	1			
2-1	1	172A64-81500-Y	ARM,950	1	1	1	1			S
3	2	(A=M07001) 172137-81300	(B=M07001) BUSH 30X45, PIN	(C=M07001) 4	(D=M07001) 4	4	4	4	4	
5	2	172448-81600	SEAL 30X40X4,DUST	4	4	4	4	4		
6	2	172448-81610	SEAL 35X45X4,DUST	2	2	2	2	2		
7	2	172141-82270	BUSH 35 45	2	2	2	2	2		
8	1	172A64-82820	PIN ASSY,30X87	2	2	2	2	2		
9	1	22157-100000	WASHER	2	2	2	2	2		
10	1	24761-040000	NIPPLE, GREASE	1	1	1	1	1		
11	1	26013-100252	BOLT	2	2	2	2	2		
12	1	933160-06711	SHIM 30, PIN ADJUST	2	2	2	2	2		

Fig.79. BUCKET ARM & LINK



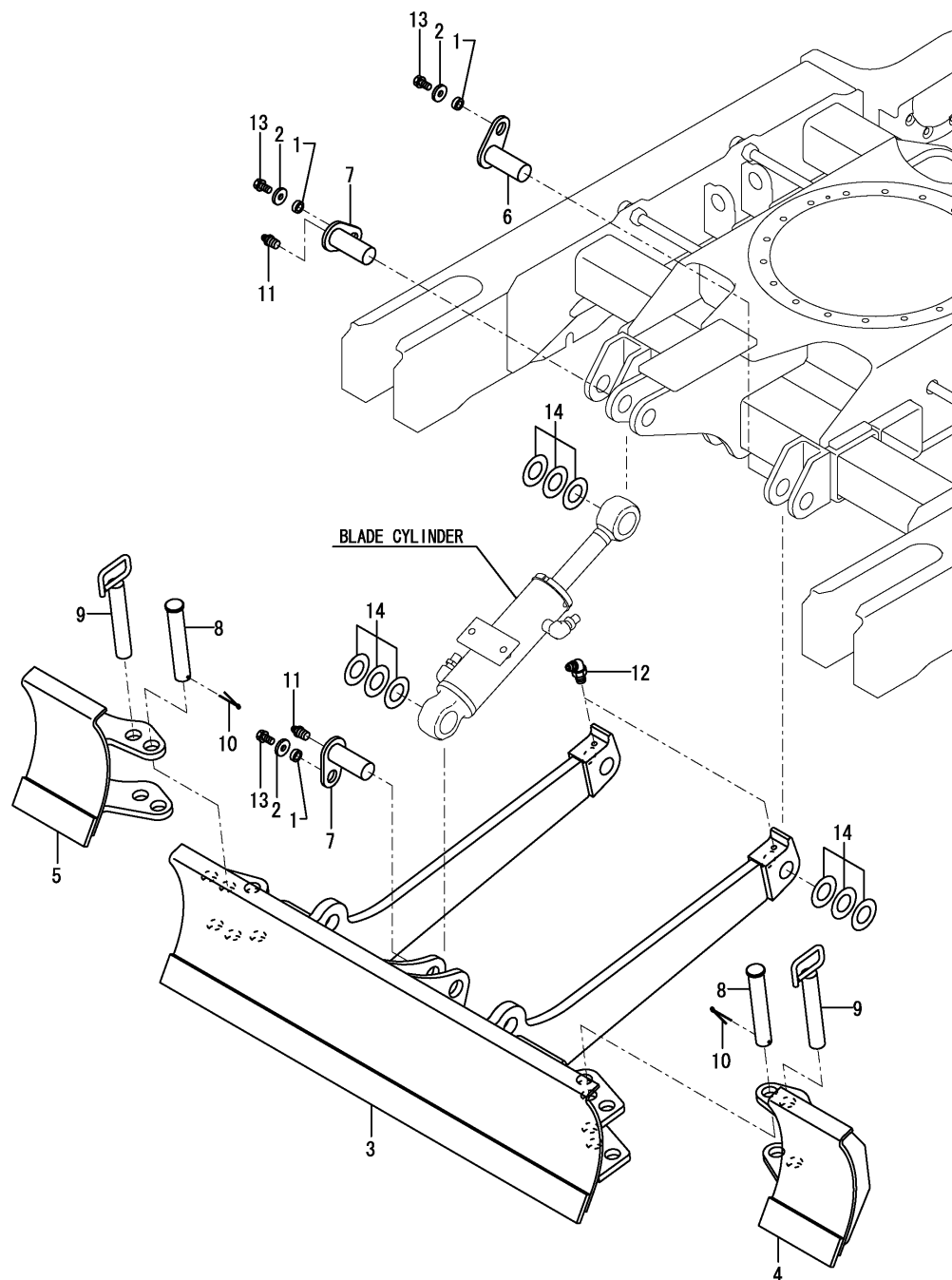
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-81380-1	LINK ASSY,BUCKET(2J)	1	1	1	1				
1-1	1	172A64-81380-Y	LINK ASSY,BUCKET	1	1	1	1			S	
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
2	2	172137-81300	BUSH 30X45, PIN	2	2	2	2				
4	2	172448-81600	SEAL 30X40X4,DUST	6	6	6	6				
5	2	172137-84451	BUSH	2	2	2	2				
6	1	172A64-81410-1	ARM L,BUCKET ASSY(2J)	1	1	1	1				
6-1	1	172A64-81411-1	ARM L,BUCKET ASSY	1	1	1	1			N	
(A=M/#XXXXXX) (B=M/#XXXXXX) (C=M/#XXXXXX) (D=M/#XXXXXX)											
6-2	1	172A64-81411-Y	ARM L,BUCKET ASSY	1	1	1	1			S	
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
7	1	172A64-81440-1	ARM R,BUCKET ASSY(2J)	1	1	1	1				
7-1	1	172A64-81441-1	ARM R,BUCKET ASSY	1	1	1	1			N	
(A=M/#XXXXXX) (B=M/#XXXXXX) (C=M/#XXXXXX) (D=M/#XXXXXX)											
7-2	1	172A64-81441-Y	ARM R,BUCKET ASSY	1	1	1	1			S	
(A=M07001) (B=M07001) (C=M07001) (D=M07001)											
8	1	172A64-82850	PIN ASSY,30X159	2	2	2	2				
9	1	172A64-82880	COLLAR	2	2	2	2				
10	1	24761-020000	NIPPLE, GREASE	4	4	4	4				
11	1	26116-100552	BOLT	2	2	2	2				
12	1	26716-100002	NUT	4	4	4	4				
13	1	933160-06711	SHIM 30, PIN ADJUST	2	2	2	2				

OCS10-G49500
Fig.80. BUCKET



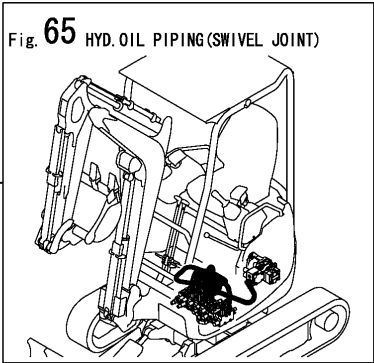
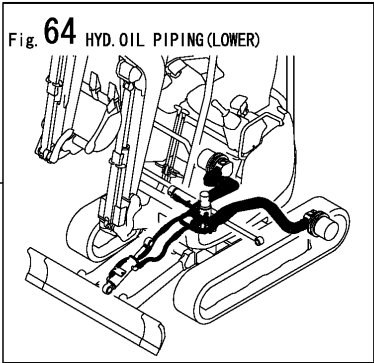
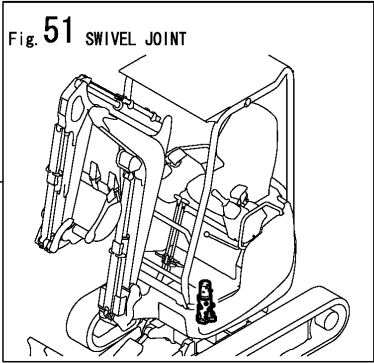
OCS10-G49500 80. BUCKET

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172448-82400-2	BUCKET 450S(GRAY:49)	1	1	1	1				
3	3	172448-82530	ADAPTER 16	3	3	3	3				
4	3	172137-86240	TEETH, SIDE	2	2	2	2				
5	2	172448-82950	POINT TOOTH KIT	3	3	3	3				
6	3	172448-82570	POINT,TOOTH 18S	3	3	3	3				
7	3	172448-82960	PIN ASSY, LOCK	3	3	3	3				
8	4	172448-82580	PIN,LOCK	3	3	3	3				
9	4	172448-82590	RUBBER,PIN	3	3	3	3				
10	1	172A55-99451	PIN ASSY	2	2	2	2				
11	2	172A64-82850	PIN ASSY,30X159	2	2	2	2				
12	2	172A64-82880	COLLAR	2	2	2	2				
13	2	24761-020000	NIPPLE PT1/8,GREASE	2	2	2	2				
14	2	26116-100552	BOLT M10X 55 PLATED	2	2	2	2				
15	2	26716-100002	NUT 10	4	4	4	4				
16	2	933160-06711	SHIM 30, PIN ADJUST	2	2	2	2				
20	1	772448-82530	TOOTH ASSY	3	3	3	3				
21	2	172448-82530	ADAPTER 16	3	3	3	3				
22	2	172448-82570	POINT,TOOTH 18S	3	3	3	3				
23	2	172448-82580	PIN,LOCK	3	3	3	3				
24	2	172448-82590	RUBBER,PIN	3	3	3	3				



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172010-01640	SPACER	4	4	4	4				
2	1	172110-36010	COLLAR	4	4	4	4				
3	1	172A64-94100	BRAD,ASSY (GRAY:49)	1	1	1	1				
4	1	172A64-94250	BLADE ASSY,SIDE L(49	1	1	1	1				
5	1	172A64-94260	BLADE ASSY,SIDE R(49	1	1	1	1				
6	1	172A64-94350	PIN ASSY,30X76 A	2	2	2	2				
7	1	172A64-94370	PIN ASSY,30X76 B	2	2	2	2				
8	1	172448-94700	PIN 25X143	2	2	2	2				
9	1	172448-94710	PIN 25	2	2	2	2				
10	1	22417-400400	COTTER PIN 4.0X40	2	2	2	2				
11	1	24761-020000	NIPPLE PT1/8,GREASE	2	2	2	2				
12	1	24761-040000	NIPPLE B,GREASE	2	2	2	2				
13	1	26013-100252	BOLT W/WASHER M10X25	4	4	4	4				
14	1	933160-06711	SHIM 30, PIN ADJUST	4	4	4	4				

Fig.82. SWIVEL JOINT EXCHANGE KIT



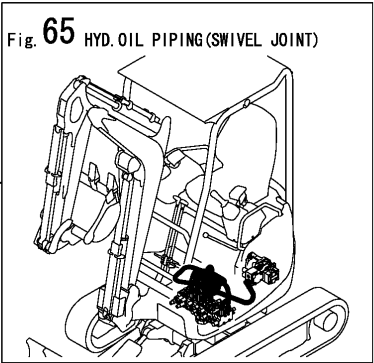
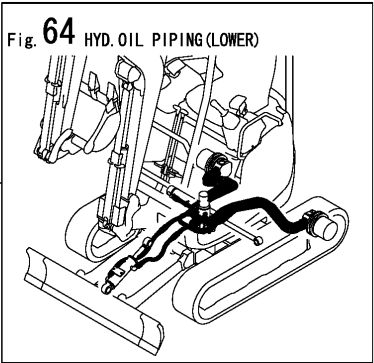
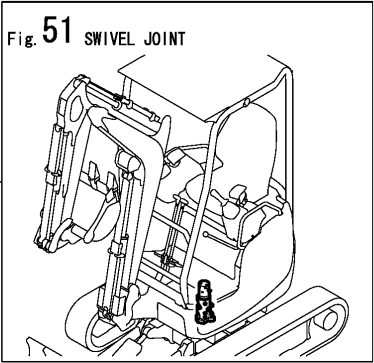
172A64-08400
SWIVEL JOINT EXCHANGE KIT

0CS10-G49500 82. SWIVEL JOINT EXCHANGE KIT

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-08400	S-J EXCHANGE KIT	1	1	1	1				W
		(A=FROM 1ST)	(B=FROM 1ST)								
		(C=FROM 1ST)	(D=FROM 1ST)								

Fig.83. SWIVEL JOINT HOSE EXCHANGE KIT



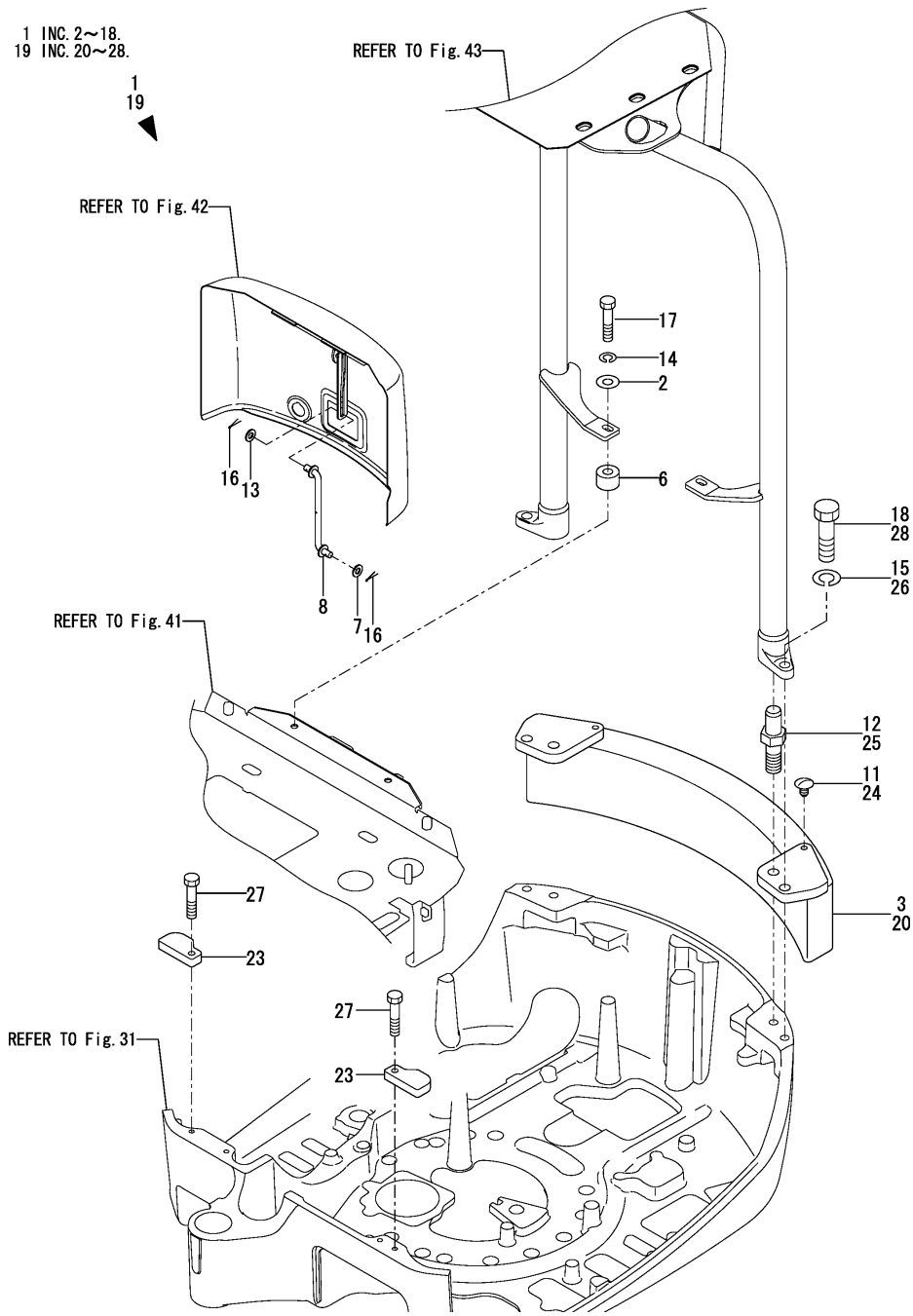
172A64-08450
SWIVEL JOINT HOSE EXCHANGE KIT

0CS10-G49500 83. SWIVEL JOINT HOSE EXCHANGE KIT

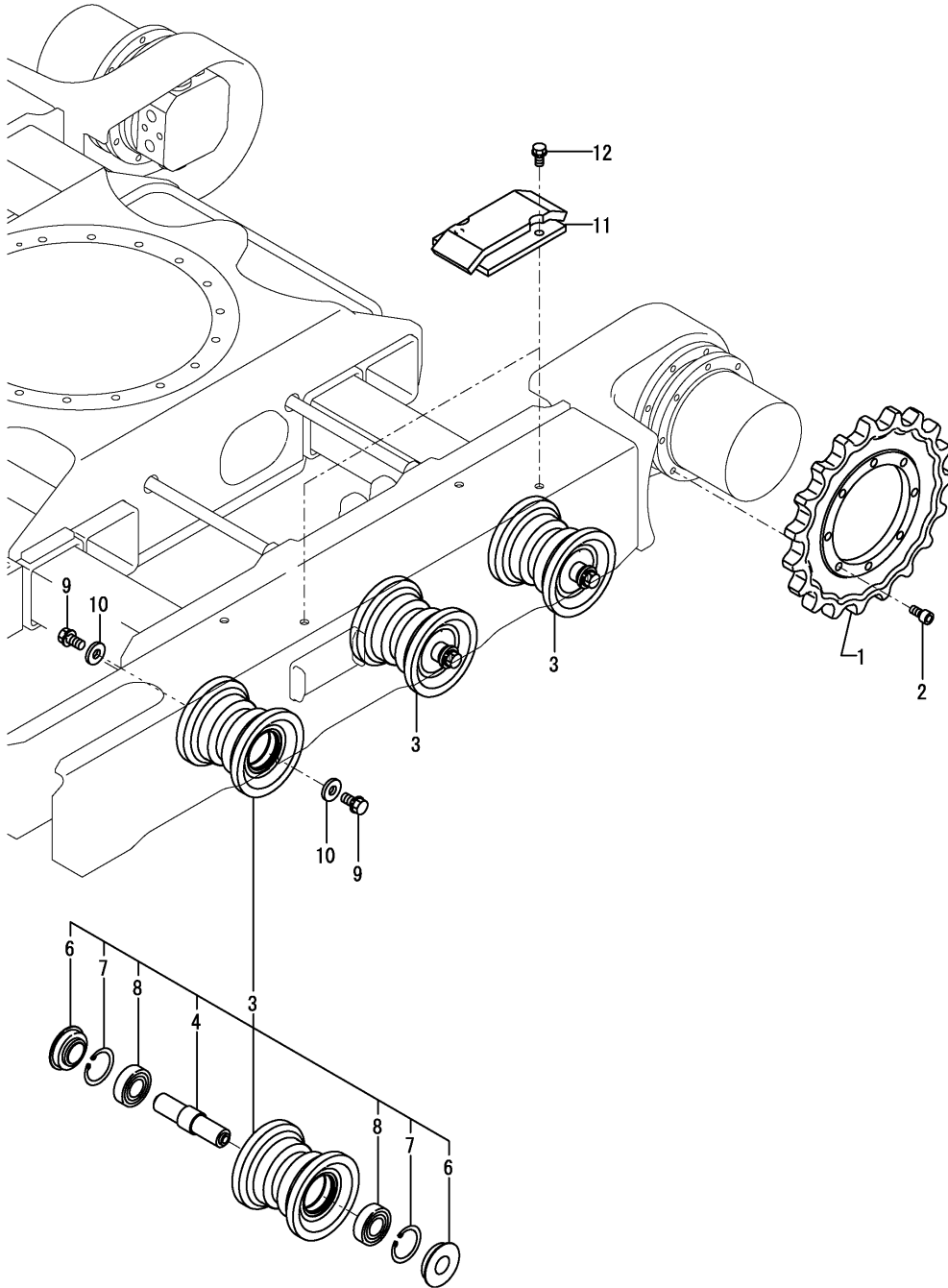
(A)=VIO17(US) (D)=VIO17(SG)
(B)=VIO17(AS) (E)=
(C)=VIO17(NZ) (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-08450	S-J HOSE CHANGE KIT	1	1	1	1			W	
		(A=FROM 1ST)	(B=FROM 1ST)	(C=FROM 1ST)	(D=FROM 1ST)						

Fig.84. WEIGHT KIT(OPTIONAL)



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A64-08600	WEIGHT KIT(2P	1	1	1	1				W
		(A=M/# 01769) (B=M/# 01769) (C=M/# 01769) (D=M/# 01769)									
2	2	172730-05250	WASHER 12	2	2	2	2				
3	2	172A64-53400	WEIGHT ASSY,OP	1	1	1	1				
6	2	172A64-53450	SPACER,R	2	2	2	2				
7	2	1A1380-62160	WASHER, BELT COVER	1	1	1	1				
8	2	172A64-65300	ROD ASSY,STOPPER	1	1	1	1				
11	2	172176-68210	CLIP, TREE D25XL15	2	2	2	2				
12	2	172A64-68290	JOINT21-M20X48	2	2	2	2				
13	2	22137-080000	WASHER 8, POLISHED	1	1	1	1				
14	2	22217-120000	SPRING WASHER 12	2	2	2	2				
15	2	22217-200000	SPRING WASHER 20	2	2	2	2				
16	2	22417-200200	COTTER PIN 2.0X20	2	2	2	2				
17	2	26076-120552	BOLT, 12 X 55	2	2	2	2				
18	2	26076-200702	BOLT, 20 X 70	2	2	2	2				
19	1	172A64-08610	WEIGHT KIT(4P	1	1	1	1				W
		(A=M/# 01769) (B=M/# 01769) (C=M/# 01769) (D=M/# 01769)									
20	2	172A64-53400	WEIGHT ASSY,OP	1	1	1	1				
23	2	172A64-53460	SPECER,F	2	2	2	2				
24	2	172176-68210	CLIP, TREE D25XL15	2	2	2	2				
25	2	172A64-68290	JOINT21-M20X48	2	2	2	2				
26	2	22217-200000	SPRING WASHER 20	2	2	2	2				
27	2	26076-120552	BOLT, 12 X 55	2	2	2	2				
28	2	26076-200702	BOLT, 20 X 70	2	2	2	2				



0CS10-G49500 85. SPROCKET & ROLLER(IRON CRAWLER SPEC.)

(A)=VIO17(US)

(B)=VIO17(AS)

(C)=VIO17(NZ)

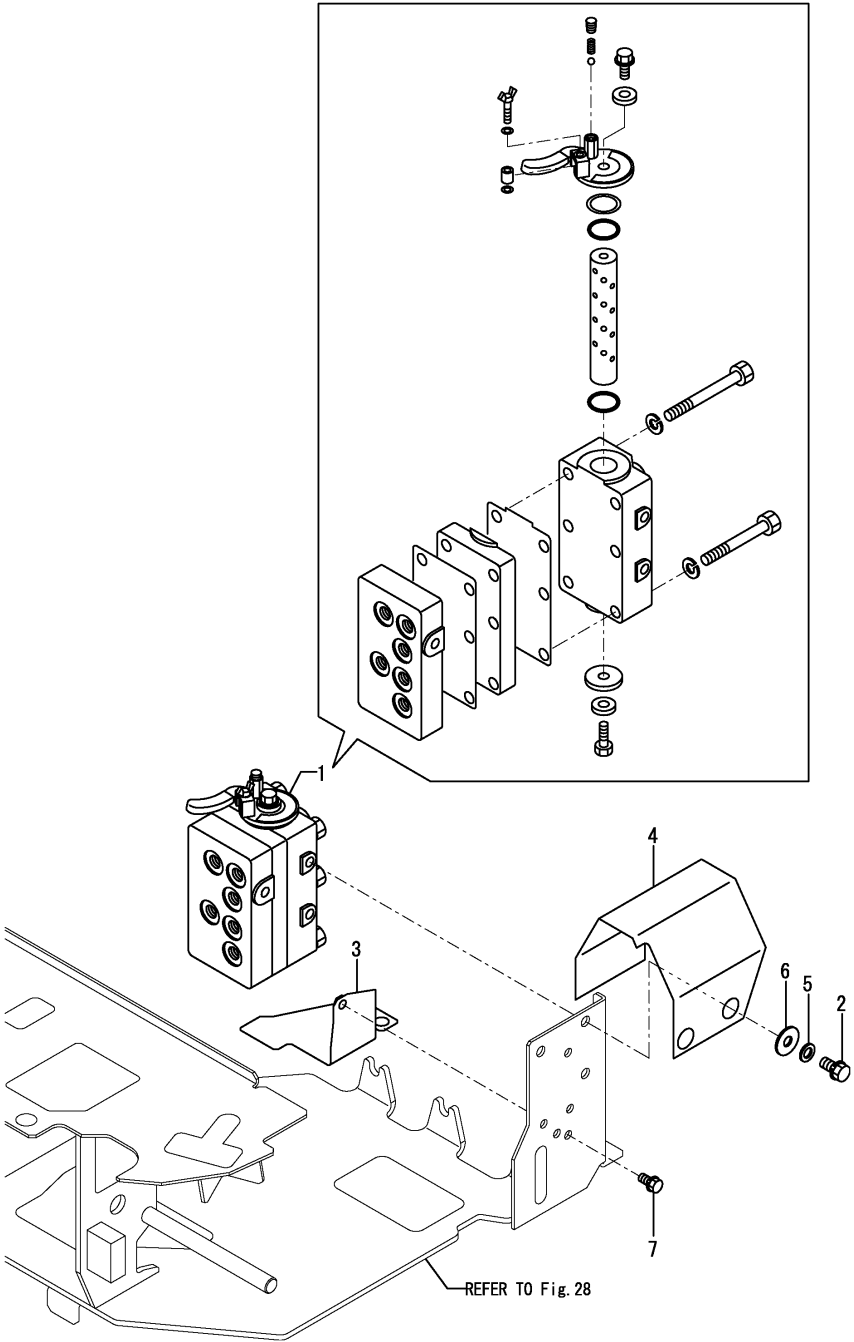
(D)=VIO17(SG)

(E)=

$$(F)=$$

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	1	172A64-29110	SPROCKET T19-FE (49)				2			
I	2	1	26450-100252	BOLT, 10 X 25				16			
I	3	1	172A64-37310	TRUCK ROLLER ASSY(49				6			
I	4	2	172448-37320	SHAFT,ROLLER IRON				6			
I	6	2	1E6140-73420	SEAL, 25X52X18				12			
I	7	2	22252-000520	RING, 52				12			
I	8	2	24101-062054	BEARING, 6205 NTN				12			
I	9	1	26013-120252	BOLT, 12 X 25				12			
I	10	1	933152-03700	WASHER, SIDE CLUTCH				12			
I	11	1	172A64-37510	SLIDE PLATE ASSY(49)				4			
I	12	1	26013-100252	BOLT, 10 X 25				8			

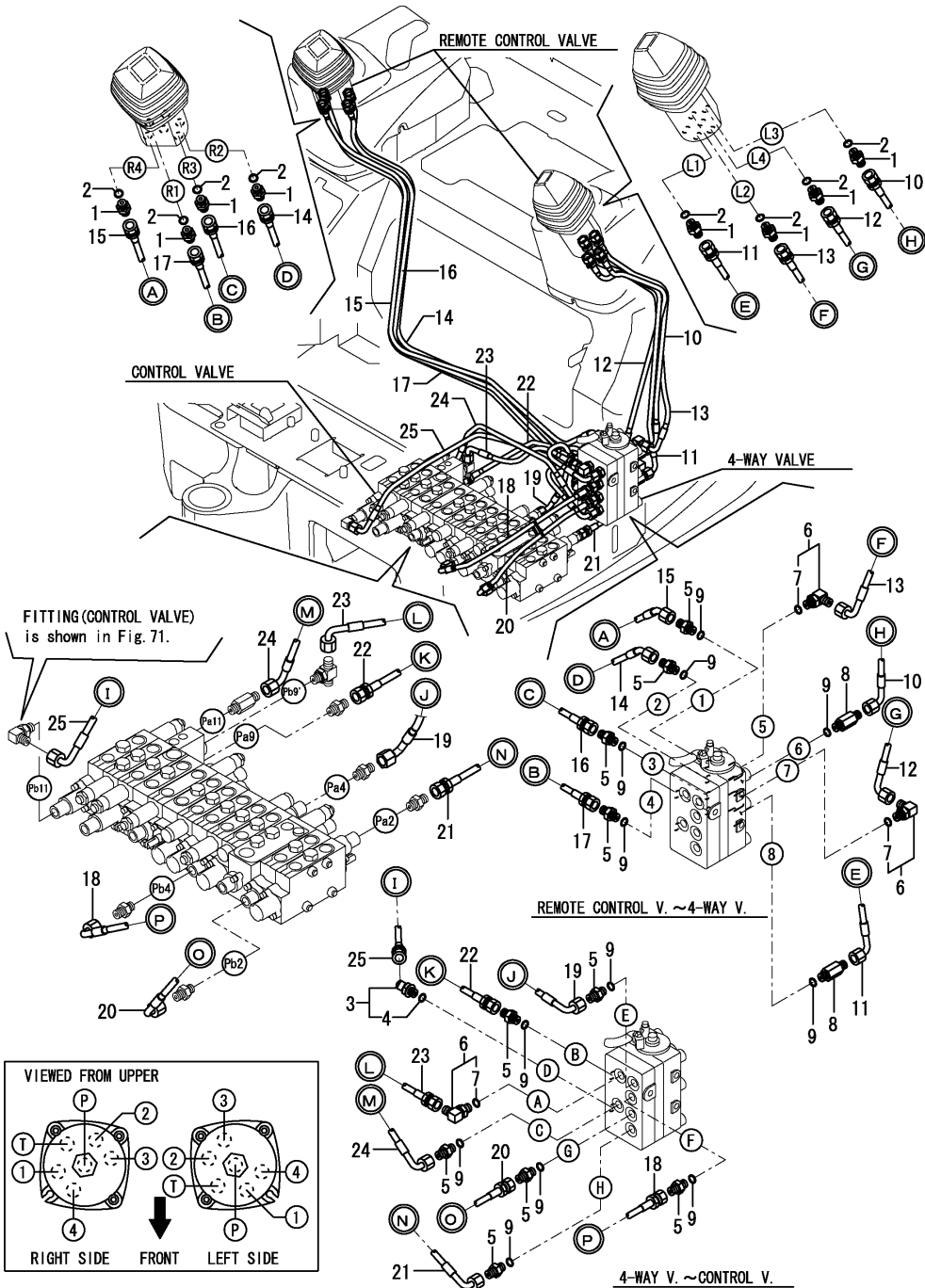
Fig.86. 4-WAY VALVE



(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172480-74800	MULTI VALVE ASSY				1				
2	1	26013-100202	BOLT, 10 X 20				3				
3	1	172A64-74840	COVER A CMP,M				1				W
4	1	172A64-74860	COVER B,M				1				W
5	1	22117-100000	WASHER 10				2				W
6	1	22157-100000	WASHER 10				2				W
7	1	26013-080162	BOLT W/WASHER M8X16				1				W

Fig.87. CONTROL PIPING(2 : 4-WAY SPEC.)

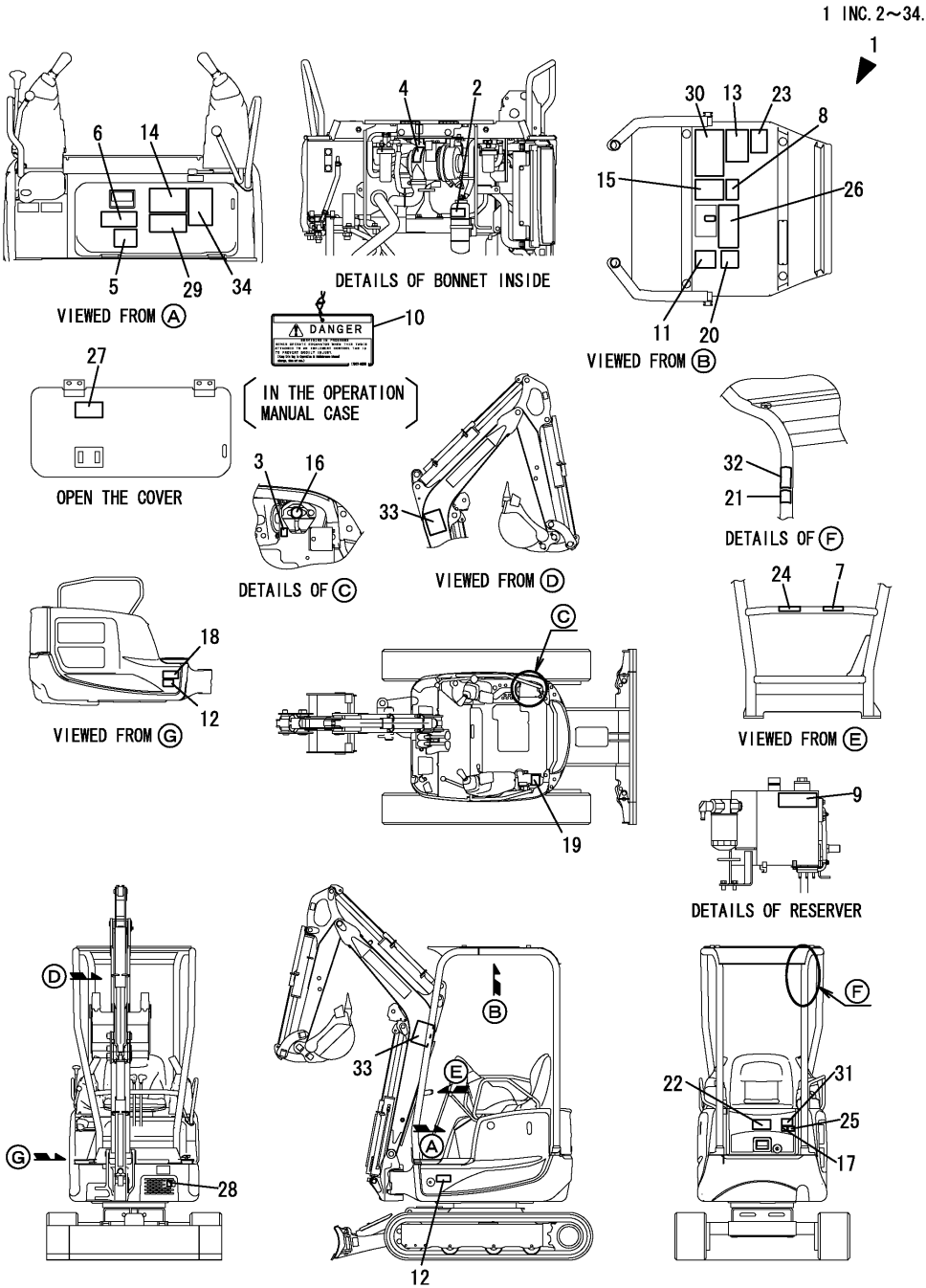


OCS10-G49500 87. CONTROL PIPING(2 : 4-WAY SPEC.)

(A)=VIO17(US)
(B)=VIO17(AS)
(C)=VIO17(NZ)
(D)=VIO17(SG)
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	1	172123-76121	ADAPTER PF1/2			8				
I	2	1	41851-000110	PACKING, 11.0			8				
I	3	1	172173-76102	CONNECTOR PF1/4-45 A			1				
I	4	2	41851-000110	PACKING, 11.0			1				
I	5	1	172123-76121	ADAPTER PF1/2			10				
I	6	1	172141-76181	CONNECTOR ASSY, 02FF			3				
I	7	2	41851-000110	PACKING, 11.0			3				
I	8	1	172183-76200	CONNECTOR 1/4-1/4			2				
I	9	1	41851-000110	PACKING, 11.0			12				
I	10	1	172A64-79270	HOSE			1				
I	11	1	172A64-79281	HOSE			1				
I	12	1	172A64-79290	HOSE			1				
I	13	1	172A64-79300	HOSE			1				
I	14	1	172A64-79310	HOSE			1				
I	15	1	172A64-79320	HOSE			1				
I	16	1	172A64-79330	HOSE			1				
I	17	1	172A64-79340	HOSE			1				
I	18	1	172A64-79350	HOSE			1				
I	19	1	172A64-79360	HOSE			1				
I	20	1	172A64-79370	HOSE			1				
I	21	1	172A64-79380	HOSE			1				
I	22	1	172A64-79390	HOSE			1				
I	23	1	172A64-79400	HOSE			1				
I	24	1	172A64-79410	HOSE			1				
I	25	1	172A64-79421	HOSE			1				

Fig.88. CA LABEL KIT(OPTIONAL)



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	1	172A64-03010	CA LABEL KIT,VIO17	1						
I	2	2	172A37-03150	LABEL,SUB-TANK CA	1						
I	3	2	172A37-03160	LABEL,ANTI-FREEZE CA	1						
I	4	2	172A37-03180	LABEL J, AIR CLEANER	1						
I	5	2	172A37-03220	LABEL,ADJUST CRAWLER	1						
I	6	2	172A64-03220	LABEL,SPECIFICATION	1						
I	7	2	172A37-03231	LABEL,MANUAL CA.	1						
I	8	2	172A37-03241	LABEL,SLOPE CA.	1						
I	9	2	172A37-03250	LABEL,RESERVOIR CA	1						
I	10	2	172469-03261	TAG,SERVICING ASSY	1						
I	11	2	172A37-03271	LABEL,TRANSPORT CA.	1						
I	12	2	172A37-03280	LABEL,GREASE CYL CA	2						
I	13	2	172A64-03280	LABEL,OIL&WATER CA	1						
I	14	2	172A37-03290	LABEL,BATTERY CA	1						
I	15	2	172A37-03300	LABEL,NEWTRAL CA	1						
I	16	2	172469-03320	LABEL,RADIATOR CAP	1						
I	17	2	172A37-03330	LABEL,ENGINE COVER	1						
I	18	2	172A37-03350	LABEL,SILENCER CA	1						
I	19	2	172469-03360	LABEL,OIL	1						
I	20	2	172A37-03360	LABEL,STERRING CA	1						
I	21	2	172A37-03370	LABEL,ROPS CA	1						
I	22	2	172A64-03390	LABEL,SWING AREA CA	1						
I	23	2	172469-03400	LABEL,GREASING	1						
I	24	2	172A37-03400	LABEL,LEVER LOCK CA	1						
I	25	2	172A37-03410	LABEL,RADIATOR CA	1						
I	26	2	172A37-03430	LABEL,2 WAY CA	1						
I	27	2	172448-03440	LABEL,FUSE	1						
I	28	2	172448-03480	LABEL,GREASE	1						
I	29	2	172A37-03500	LABEL,SUPPORT CA	1						
I	30	2	172A64-03570	LABEL,LIFT CA	1						
I	31	2	172A37-03710	LABEL,ENGROOM CA	1						
I	32	2	172A37-03720	LABEL,SEAT BELT CA	1						
I	33	2	172A37-03730	LABEL,BOOM CA	2						
I	34	2	172A29-03910	LABEL,VARIABLE CA	1						

Part Number Index

All parts are stipulated in the order of part numbers.

(Depending on the area in which the part is used.)

This index will display the location of the part according to each part number.

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105027-12580	4	6
105425-01690	6	1
110250-55610	9	21
		32
114110-07760	1	50
	2	23
119247-77100	12	13
119258-12530	4	3
119650-77910	12	15
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119655-12560	4	5
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119833-55620	9	16
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121250-55620	9	22
121254-55510	9	19
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168PA0-86210	42	35
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168PA0-86330	42	42
168PA0-86340	42	43
168PA0-86650	42	47
168PA0-86720	42	48
168PA0-86730	42	49
168PA0-86740	42	50
168PA0-86750	42	51
168PA0-86760	42	52
168PA0-86830	42	53
168PA0-87010	42	54
168PA0-87020	42	55
171081-55910	9	38
172010-01640	43	1
	77	1
	78	1
	81	1
172068-28490	26	2
172110-36010	81	2
172112-16650	11	5
172112-77361	63	5
172113-12522	5	6
172116-75850-B	62	13
172116-76381	71	17
		26
172117-83970-7	46	32
172122-17190	38	1
	39	2
172122-37844	17	16
		43
172122-46590	21	17
172122-79920	66	11
172122-79930	73	19
172123-76121	71	1
	73	1
	74	1
	87	1
		5
172124-46200	20	3
	21	15
172124-46340	21	16
172124-76100	63	2
172124-76160	67	2
	71	6
172125-03951	1	47
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	14	5
172131-76130	67	1
172137-16560	9	13
		14
172137-37850	17	23
		50
172137-46042	43	2
	44	1
	45	1
172137-70490	50	2
172137-70570	50	3
172137-70580	50	4
172137-70590	50	5
172137-70600	50	6
172137-79950	73	20
172137-81300	78	3
	79	2
172137-84451	79	5
172137-86240	80	4
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