

0CS10-M46803EN

# P R E F A C E

1. This Parts Catalog carries Yanmar excavator (crawler back-hoe) Vio45-5  
(for U. S. A. , Australia , New Zealand & Singapore. )

2. Parts catalog history

		Parts catalog NO.	Published	Remarks
1st edition	Vehicle	OCS10-G46800	Oct. , 2005	Disuse old edition
	Engine	OCB10-G73500		
1st revised	Vehicle	OCS10-G46801	Oct. , 2006	Disuse old edition
	Engine	OCB10-G73501		
2nd revised	Vehicle	OCS10-G46802	July, . 2008	Disuse old edition
	Engine	OCB10-G73502		
Last revised	Vehicle	OCS10-G46803	Feb, . 2011	
	Engine	OCB10-G73502		

3. Model name

SECTION	Column	Model name	M/#	Manufactured
I (Vehicle)	(A)	Vio45-5 (US)	50501~51056	2005/6 ~ 2008/1
	(B)	Vio45-5 (AS)		
	(C)	Vio45-5 (NZ)		
	(D)	Vio45-5 (SG)		
II (Engine)	(A)	4TNV88-PBV	15312~84187	2005/5 ~ 2008/1

(Note) US:U. S. A. AS:Australia NZ:New Zealand SG:Singapore

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	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 COMPEMSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

### ① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

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

### ② Lev. (Level)

Level indication

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

1 ----- Main parts (Assembly parts)

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

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

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

### ③ Interchangeability Symbol

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

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

### ④ Effective Machine No.

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

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

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

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

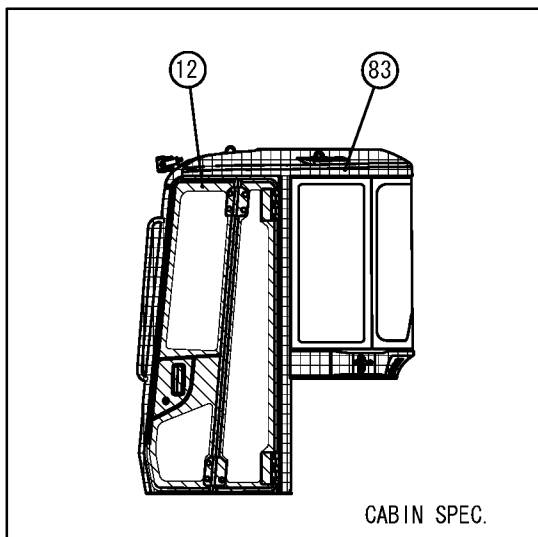
Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

### ⑤ Remarks

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

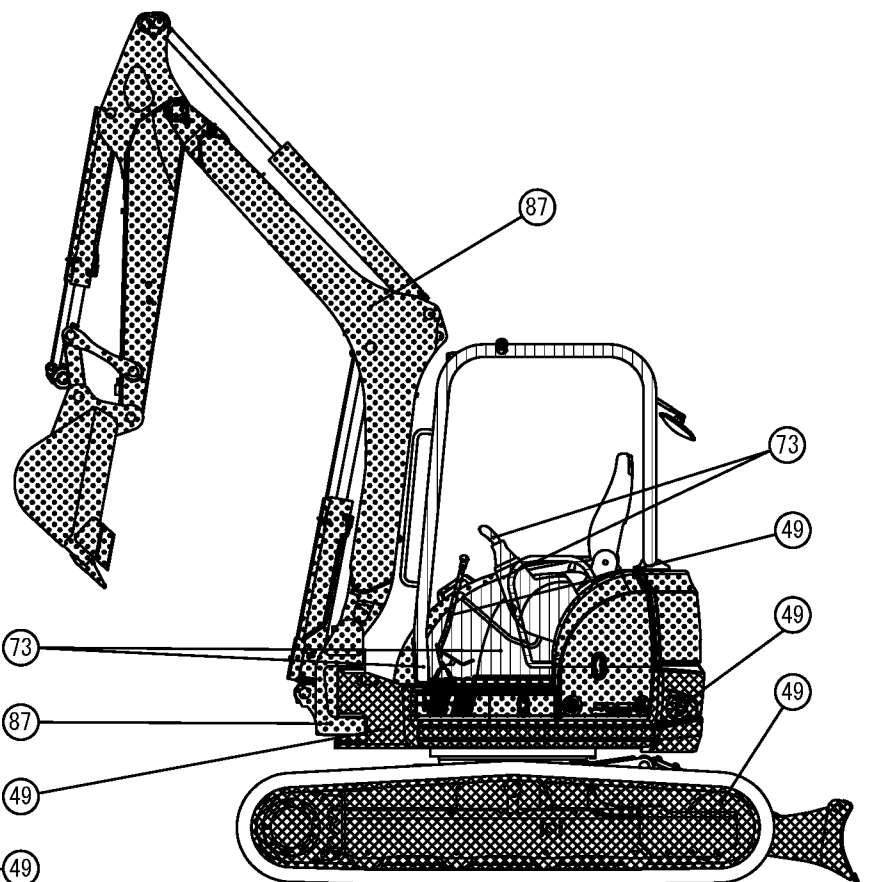
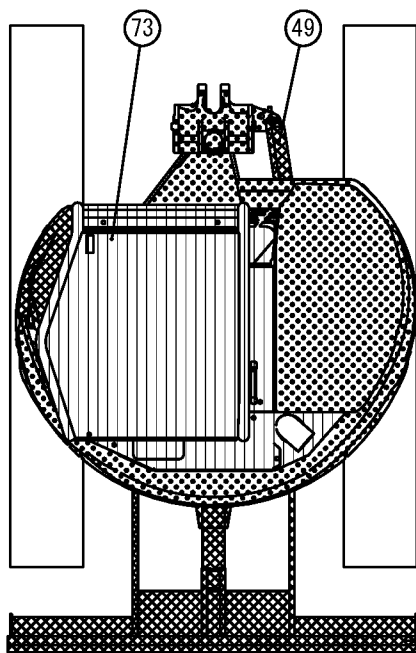
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.






# VEHICLE PAINTED COLOR (TO M50921)



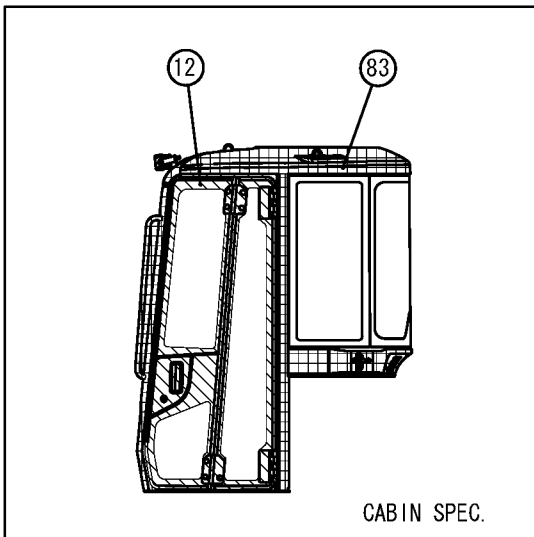
④⑨ AROUND ENGINE & INSIDE OF FRAME & RESERVER

⑦③ AROUND SEAT & OPERATION



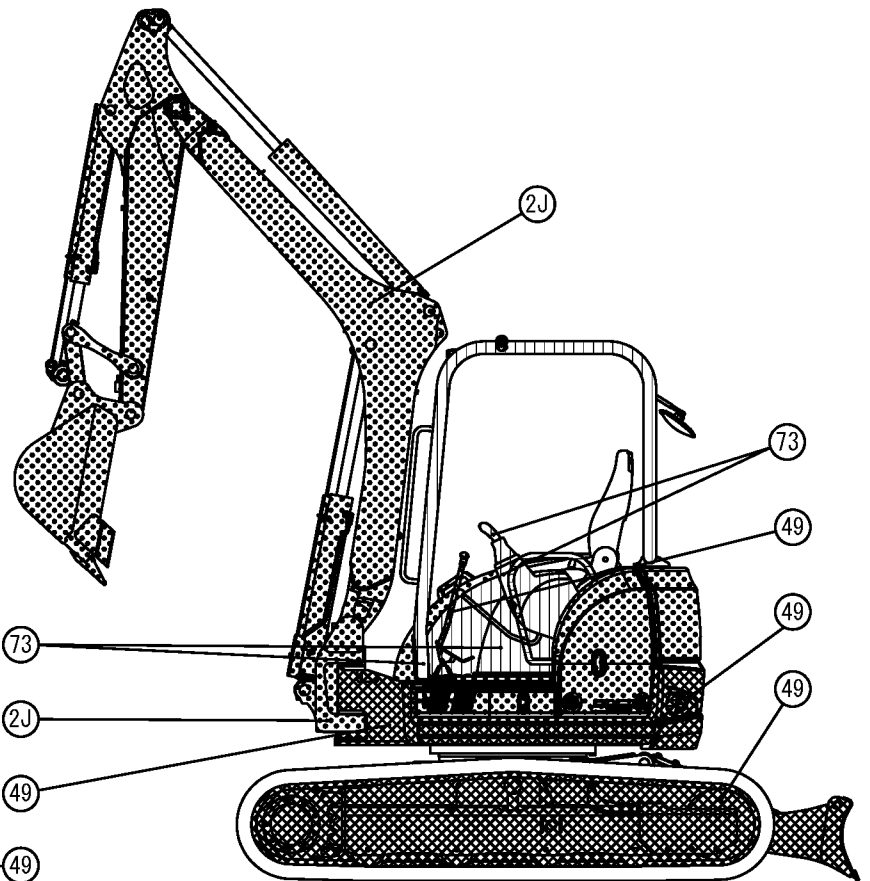
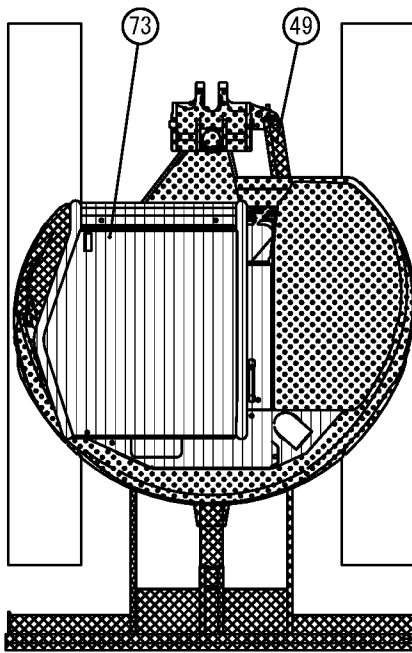
Color Code	Description	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
12		YANMAR Black	-----	TOR-91220001	TOR-94800120
49		YANMAR Navy Gray	-----	TOR-91390000	TOR-94800490
73		YANMAR Warm Gray	-----	-----	TOR-94800730
83		YANMAR Grayish Green	981101-09615	977620-40830	977620-30N41
87		YANMAR New Permanent Yellow	981101-09519	977620-40870	977620-30871






# VEHICLE PAINTED COLOR (FROM M50922)



④⑨ AROUND ENGINE & INSIDE OF FRAME & RESERVER

⑦③ AROUND SEAT & OPERATION



Color Code	Description	Painted Color	Paint Part No.		
			16L Can	4L Can	SPRAY
12		YANMAR Black	-----	TOR-91220001	TOR-94800120
49		YANMAR Navy Gray	-----	TOR-91390000	TOR-94800490
73		YANMAR Warm Gray	-----	-----	TOR-94800730
83		YANMAR Grayish Green	981101-09615	977620-40830	977620-30N41
2J		YANMAR New Permanent Yellow 2	981101-09520	977620-40871	977620-30872

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SILENCER &  
AIR CLEANER Fig. 4  
ENGINE MOUNT Fig. 6

RIGHT

REAR

FRONT

LEFT

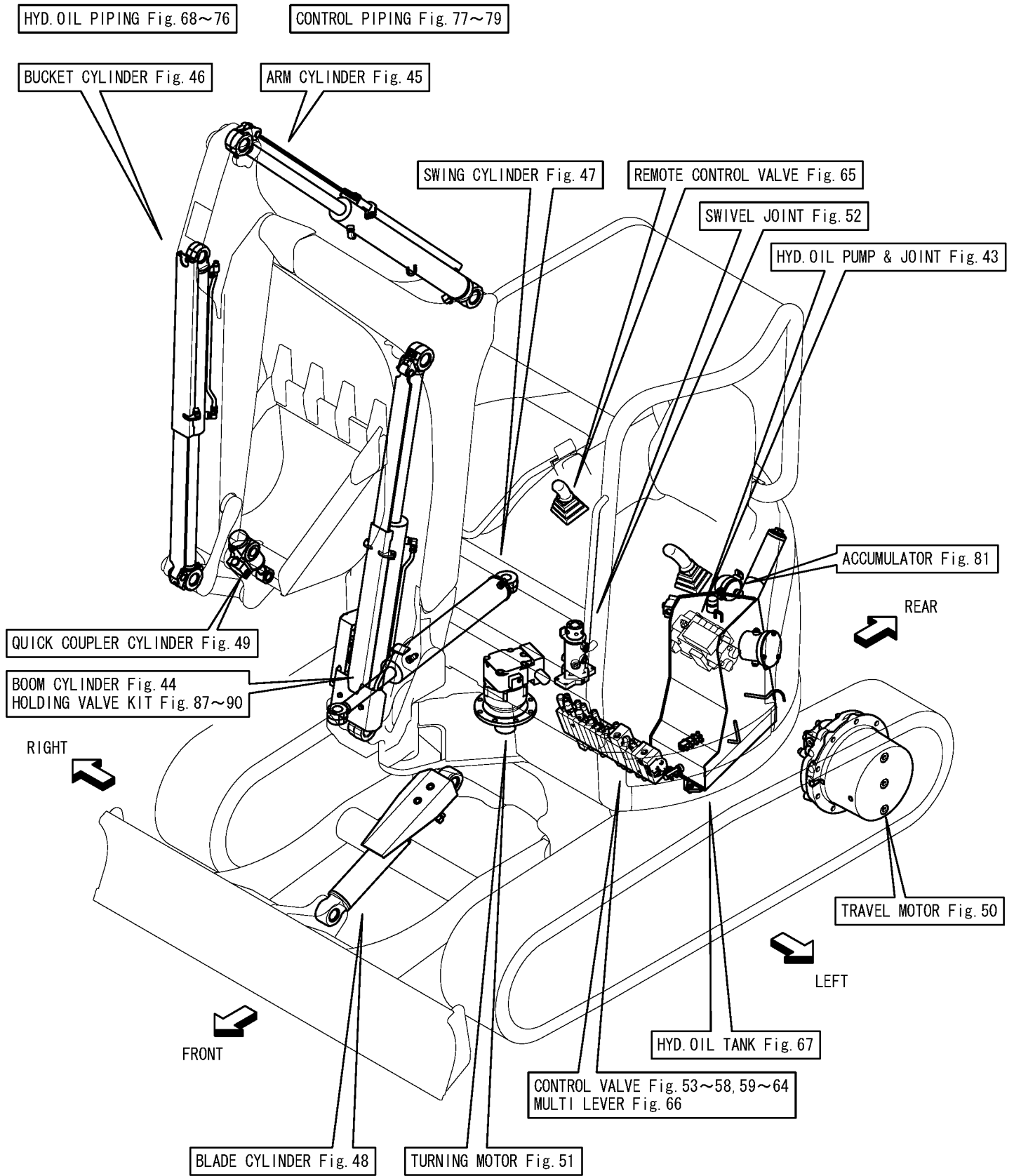
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OCS10-M46803

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5. ACCELERATOR
6. ENGINE MOUNT
7. RADIATOR & MOUNT
8. FUEL TANK & FUEL PIPE

## ELECTRICAL PARTS

9. BATTERY
10. ELECTRIC PART(WIRING)
11. ELECTRIC PART(EQUIPMENT)
12. ELECTRIC PART(AIR CON. SPEC.)
13. TRAVEL ALARM
14. WORK LAMP & CANOPY LAMP

## AIR CONDITIONER & HEATER

15. HEATER
16. HEATER(AIR CON. SPEC.)
18. COMPRESSOR & PULLEY(AIR CON. SPEC.)
19. PIPING(AIR CON. SPEC.)

Fig. No. Fig. Name

20. COVER(AIR CON. SPEC.)

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21. ROLLER & ADJUST
22. CRAWLER

## CONTROL EQUIPMENT

23. LOCK LEVER & STAND(RIGHT)
24. LOCK LEVER & STAND(LEFT)
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26. BLADE LEVER
27. SWING PEDAL
28. LOW-HIGH PEDAL
29. VALVE PLATE & LINK

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30. FRAME & TURNING BEARING

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31. COVER(FRAME)
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<b>CABIN</b>		51.	TURNING MOTOR
17.	WINDOW WASHER	52.	SWIVEL JOINT
33.	COVER(CABIN : 1)	53.	CONTROL VALVE(P PORT)
34.	COVER(CABIN : 2)	54.	CONTROL VALVE(TRAVEL & P.T.O.)
38.	CABIN(BODY)	55.	CONTROL VALVE(ARM & SWING)
39.	CABIN(GLASS)	56.	CONTROL VALVE(BOOM & BUCKET)
40.	CABIN(ACCESSORY)	57.	CONTROL VALVE(TURNING & BLADE)
41.	CABIN(ELECTRIC PART)	58.	CONTROL VALVE(2-WAY MULTI & END COVER)
92.	(41A)CABIN DOOR(FRONT)	59.	CONTROL VALVE(P PORT)(SG)
93.	(41B)CABIN DOOR(REAR)	60.	CONTROL VALVE(TRAVEL & P.T.O.)(SG)
<b>CANOPY</b>		61.	CONTROL VALVE(ARM & SWING)(SG)
42.	CANOPY	62.	CONTROL VALVE(BOOM & BUCKET)(SG)
<b>HYDRAULIC OIL EQUIPMENT</b>		63.	CONTROL VALVE(TURNING & BLADE)(SG)
43.	HYD.OIL PUMP & JOINT	64.	CONTROL VALVE(4-WAY MULTI & END COVER)(SG)
44.	BOOM CYLINDER	65.	REMOTE CONTROL VALVE
45.	ARM CYLINDER	66.	MULTI LEVER
46.	BUCKET CYLINDER	67.	HYD.OIL TANK
47.	SWING CYLINDER	<b>HYDRAULIC OIL PIPING</b>	
48.	BLADE CYLINDER	68.	HYD.OIL PIPING(TANK - PUMP - VALVE)
		69.	HYD.OIL PIPING(PUMP - VALVE - MOTOR)
		70.	HYD.OIL PIPING(VALVE - SWIVEL - SWING)
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73.	HYD.OIL PIPING(TRAVEL)		
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75.	HYD.OIL PIPING(P.T.O. : ARM END)		
76.	HYD.OIL PIPING(QUICK COUPLER SPEC.)		
77.	CONTROL PIPING(PUMP - VALVE - RETURN)		
78.	CONTROL PIPING(VALVE - REMOTE CONTROL VALVE)		
79.	CONTROL PIPING(VALVE - BLADE VALVE)		
80.	GREASING		
81.	ACCUMULATOR		

## IMPLEMENT

- 82. BOOM & BOOM BRACKET
- 83. ARM & QUICK COUPLER
- 84. BUCKET LINK
- 85. BUCKET
- 86. BLADE

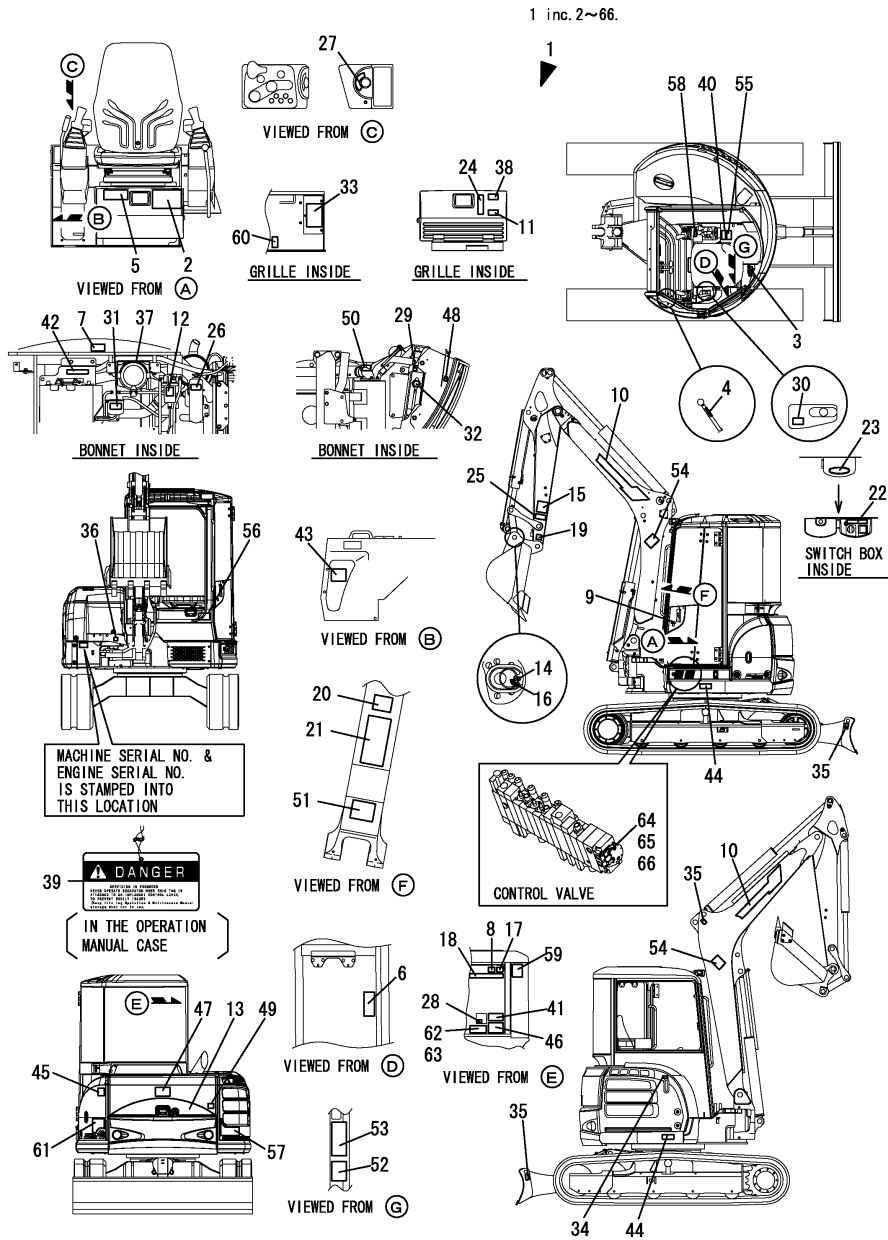
## OPTIONAL & KIT

- 87. HOLDING VALVE KIT(1)(OPTIONAL)
- 88. HOLDING VALVE KIT(2)(OPTIONAL)
- 89. HOLDING VALVE KIT(3)(OPTIONAL)
- 90. HOLDING VALVE KIT(4)(OPTIONAL)
- 91. LABEL(FRANCH FOR CANADA)

Fig.1. LABEL(CABIN)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



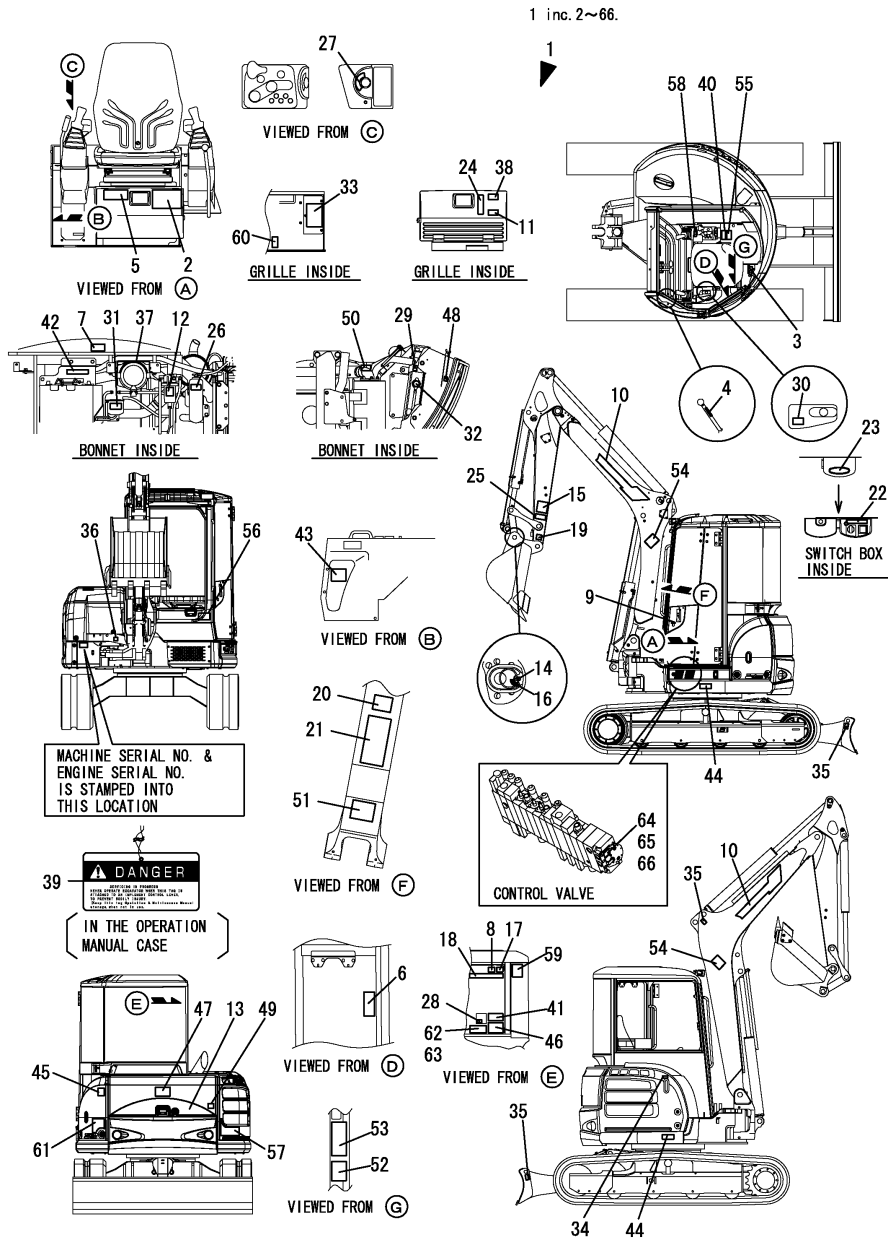
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A47-03070	LABEL ASSY,CABIN	1	1	1	1				
1-1	1	772A47-03170	LABEL ASSY,CABIN	1	1	1	1				S
		(A=M50554) (B=M50554) (C=M50554) (D=M50554)									
2	2	172472-03141	LABEL, SUPPORT US	1	1	1	1				
3	2	172472-03180	LABEL, VENTILATION	1	1	1	1				Z
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
4	2	172183-03280	LABEL, LOCK	1	1	1	1				
5	2	172A47-03320	LABEL, SPEC US	1	1	1	1				
6	2	172463-03320	LABEL, F/W LOWER US	1	1	1	1				
7	2	172A36-03411	LABEL, ENG ROOM	1	1	1	1				
8	2	172437-03551	LABEL, WINDOW US	1	1	1	1				
9	2	172458-03601	LABEL, DOOR KEY LOCK	1	1	1	1				
10	2	172A47-03110	LABEL, BOOM 800	1	1	1	1				
11	2	172467-03150	LABEL, GREASE	1	1	1	1				
11-1	2	172467-03151	LABEL, GREASING	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
12	2	172A07-03160	LABEL	1	1	1	1				
13	2	172A47-03160	LABEL, REAR	1	1	1	1				
14	2	172958-03160	LABEL	1	1	1	1				
15	2	172472-03230	LABEL, OPERATION PIN	1	1	1	1				
16	2	172458-03240	LABEL, LOCK	1	1	1	1				
17	2	172472-03241	LABEL, PIN US	1	1	1	1				
18	2	172472-03250	LABEL, OPERATION Q US	1	1	1	1				
19	2	172472-03261	LABEL, FINGER US	1	1	1	1				
20	2	172472-03271	LABEL, SAND US	1	1	1	1				
21	2	172472-03281	LABEL, WARNING HITCH	1	1	1	1				
22	2	172472-03290	LABEL, SWITCH	1	1	1	1				
23	2	172472-03300	LABEL, COVER	1	1	1	1				
24	2	172A47-03330	LABEL, OIL & WATER	1	1	1	1				
25	2	172472-03330	LABEL, LOCK PIN(US	1	1	1	1				
26	2	172A38-03200	LABEL, SUB-TANK US	1	1	1	1				
26-1	2	172A38-03201	LABEL, SUB-TANK US	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
27	2	172A47-03200	LABEL, STARTER SWITCH	1	1	1	1				
28	2	172490-03200	LABEL	1	1	1	1				
29	2	172A38-03210	LABEL, ANTI-FREEZING	1	1	1	1				
29-1	2	172A38-03211	LABEL, ANTI-FREEZING	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
30	2	172458-03220	LABEL, ACCELERATOR	1	1	1	1				
31	2	172463-03290	LABEL, HYD.OIL US	1	1	1	1				
32	2	172462-03320	LABEL	1	1	1	1				
33	2	172A47-03340	LABEL, FUSE US	1	1	1	1				
33-1	2	172A47-03341	LABEL, FUSE US	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
34	2	172437-03501	LABEL, FUEL US	1	1	1	1				
35	2	172437-03511	LABEL, HOOK US	3	3	3	3				
36	2	172156-03740	LABEL, GREASE	1	1	1	1				
37	2	172125-03951	LABEL, AIR CLEANER	1	1	1	1				
38	2	172437-03242	LABEL, CRAWLER US	1	1	1	1				
39	2	172437-03250	TAG ASSY, CAUTION	1	1	1	1				
39-1	2	172437-03251	TAG ASSY, CAUTION	1	1	1	1				N

Remarks  
 (1) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.57-1,61-1.

Fig.1. LABEL(CABIN)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



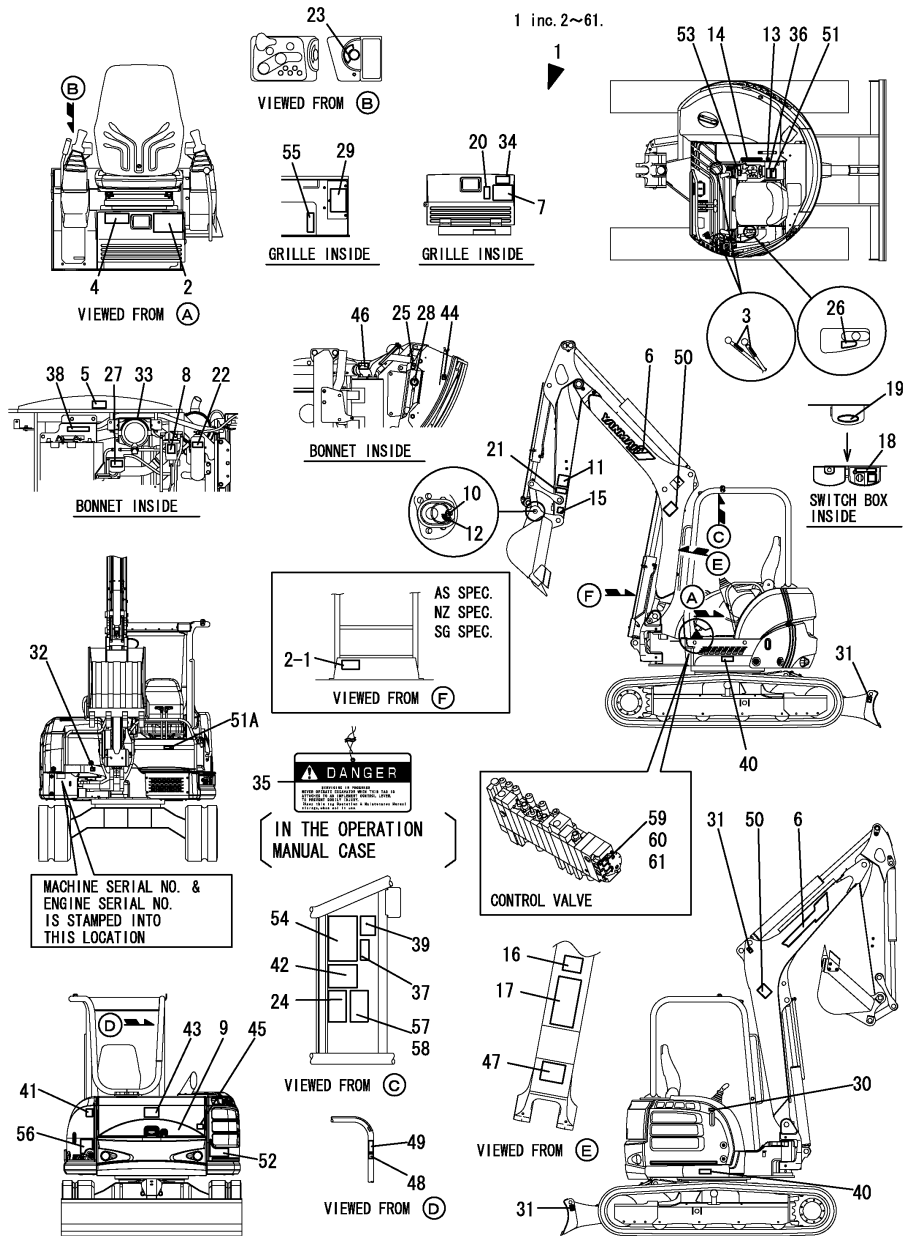
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
39-2	2	(A=M/#50523) 172437-03252	(B=M/#50523) TAG ASSY, CAUTION	1	1	1	1			N	
		(C=M/#50523)	(C=M/#50554)								
40	2	172437-03301	LABEL, MANUAL US	1	1	1					
40-1	2	172437-03302	LABEL, MANUAL US	1	1	1	1			N	
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
41	2	172437-03312	LABEL,SLOPE US	1	1	1	1				
42	2	172437-03322	LABEL, HYD.OIL TANK	1	1	1	1				
43	2	172437-03342	LABEL, TRANSPORT US	1	1	1					
43-1	2	172437-03343	LABEL, TRANSPORT US	1	1	1	1			N	
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
44	2	172437-03352	LABEL, GREASE CYL.	2	2	2	2				
45	2	172437-03361	LABEL, BATTERY US	1	1	1	1				
46	2	172437-03372	LABEL, NEUTRAL US	1	1	1	1				
47	2	172437-03381	LABEL,SWING AREA US	1	1	1	1				
48	2	172437-03391	LABEL, RADIATOR US	1	1	1	1				
49	2	172437-03402	LABEL, ENG,COVER US	1	1	1	1				
50	2	172437-03422	LABEL, MUFFLER US	1	1	1	1				
51	2	172437-03432	LABEL, STEERING US	1	1	1	1				
52	2	172437-03441	LABEL, ROPS US	1	1	1	1				
53	2	172437-03451	LABEL, SEAT BELT US	1	1	1	1				
54	2	172437-03461	LABEL, BOOM US	2	2	2	2				
55	2	172437-03471	LABEL, LEVER LOCK US	1	1	1	1				
56	2	172A47-03250	LABEL,PTO FOOT	1	1	1	1				
57	2	172A47-03310	LABEL,MODEL 45R	1	1	1	1				
57-1	2	172A47-03311	LABEL,MODEL 45R	1	1	1	1			S 1	
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
58	2	172A47-03260	LABEL,PTO SWITCH	1	1	1	1				
59	2	172A47-03350	LABEL,LIFT Q US	1	1	1					
59-1	2	172A47-03360	LABEL, LIFT Q US	1	1	1				S	
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
59-2	2	172A47-03361	LABEL, LIFT Q US	1	1	1				N	
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
59-3	2	172A47-03362	LABEL, LIFT Q US	1	1	1	1			N	
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
59-4	2	172A47-03363	LABEL,LIFT Q US	1	1	1	1			N	
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
60	2	172A47-03270	LABEL,PTO SELECT	1	1	1	1				
61	2	172A47-03300	LABEL,MODEL 45L	1	1	1	1				
61-1	2	172A47-03301	LABEL,MODEL 45L	1	1	1	1			S 1	
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
62	2	172437-03601	LABEL, 2-WAY US	1	1	1					
63	2	172A47-03410	LABEL,4 WAY US							1	
64	2	172444-03290	MAGNET							1	
65	2	172A47-03220	LABEL,2-WAY	1	1	1					
66	2	172A47-03390	LABEL,MULTILEVER US							1	

Remarks  
(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.57-1,61-1.

Fig.2. LABEL(CANOPY)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



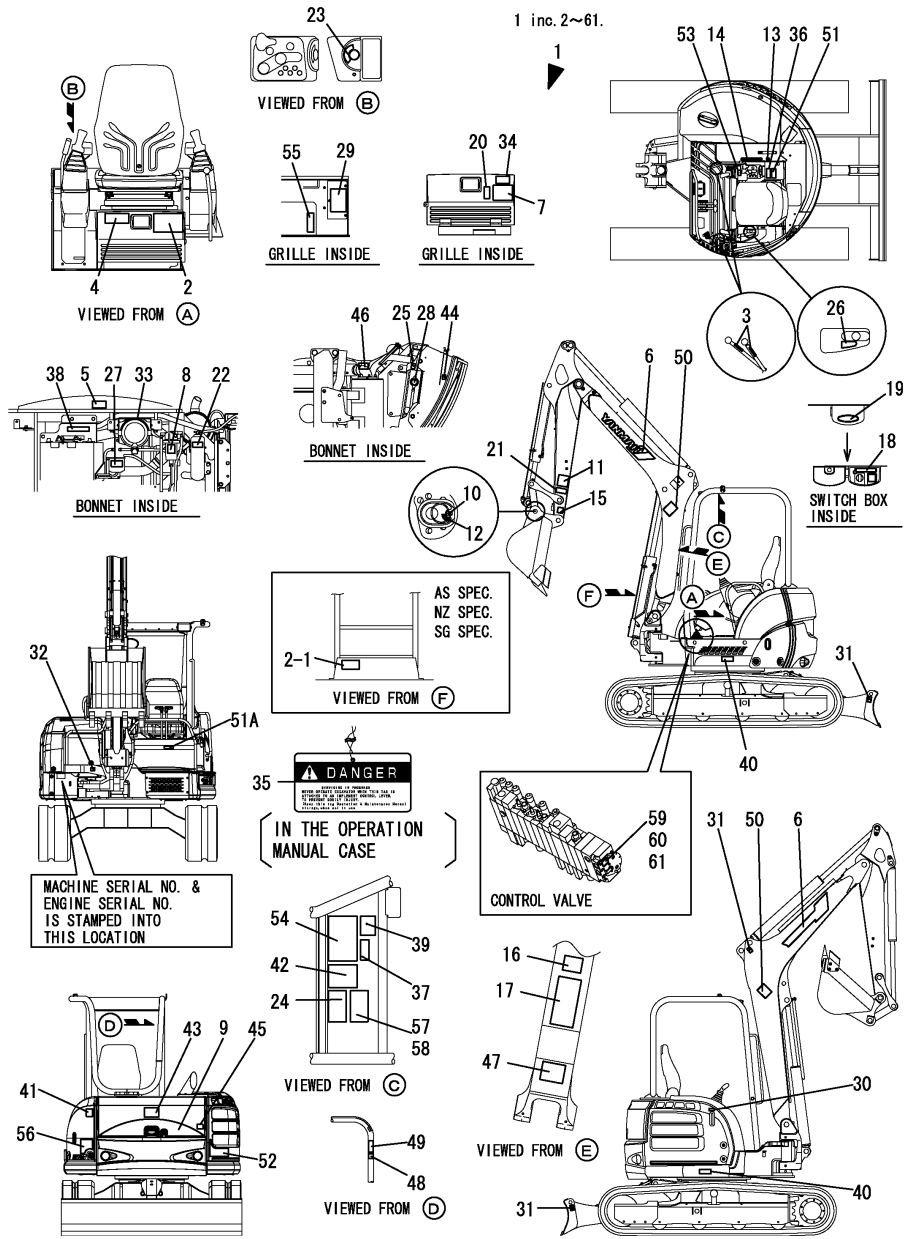
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A47-03050	LABEL ASSY,CANOPY	1	1	1	1				
1-1	1	772A47-03150	LABEL ASSY,CANOPY	1	1	1	1				S
		(A=M50554) (B=M50554) (C=M50554) (D=M50554)									
2	2	172472-03141	LABEL, SUPPORT US	1	1	1	1				
2-1	2	172472-03141	LABEL, SUPPORT US		2	2	2				K
		(B=M50501) (C=M50501) (D=M50501)									
3	2	172183-03280	LABEL,LOCK	2	2	2	2				
4	2	172A47-03320	LABEL,SPEC US	1	1	1	1				
5	2	172A36-03411	LABEL, ENG ROOM	1	1	1	1				
6	2	172A47-03110	LABEL,BOOM 800	2	2	2	2				
7	2	172467-03150	LABEL,GREASE	1	1	1	1				
7-1	2	172467-03151	LABEL,GREASING	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
8	2	172A07-03160	LABEL	1	1	1	1				
9	2	172A47-03160	LABEL,REAR	1	1	1	1				
10	2	172958-03160	LABEL	1	1	1	1				
11	2	172472-03230	LABEL,OPERATION PIN	1	1	1	1				
12	2	172458-03240	LABEL,LOCK	1	1	1	1				
13	2	172472-03241	LABEL, PIN US	1	1	1	1				
14	2	172472-03250	LABEL,OPERATION Q US	1	1	1	1				
15	2	172472-03261	LABEL, FINGER US	1	1	1	1				
16	2	172472-03271	LABEL, SAND US	1	1	1	1				
17	2	172472-03281	LABEL, WARNING HITCH	1	1	1	1				
18	2	172472-03290	LABEL,SWITCH	1	1	1	1				
19	2	172472-03300	LABEL,COVER	1	1	1	1				
20	2	172A47-03330	LABEL,OIL & WATER	1	1	1	1				
21	2	172472-03330	LABEL,LOCK PIN(US	1	1	1	1				
22	2	172A38-03200	LABEL, SUB-TANK US	1	1	1	1				
22-1	2	172A38-03201	LABEL, SUB-TANK US	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
23	2	172A47-03200	LABEL,STARTER SWITCH	1	1	1	1				
24	2	172490-03200	LABEL	1	1	1	1				
25	2	172A38-03210	LABEL,ANTI-FREEZING	1	1	1	1				
25-1	2	172A38-03211	LABEL,ANTI-FREEZING	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
26	2	172458-03220	LABEL,ACCELERATOR	1	1	1	1				
27	2	172463-03290	LABEL,HYD.OIL US	1	1	1	1				
28	2	172462-03320	LABEL	1	1	1	1				
29	2	172A47-03340	LABEL,FUSE US	1	1	1	1				
29-1	2	172A47-03341	LABEL,FUSE US	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
30	2	172437-03501	LABEL, FUEL US	1	1	1	1				
31	2	172437-03511	LABEL, HOOK US	3	3	3	3				
32	2	172156-03740	LABEL, GREASE	1	1	1	1				
33	2	172125-03951	LABEL, AIR CLEANER	1	1	1	1				
34	2	172437-03242	LABEL, CRAWLER US	1	1	1	1				
35	2	172437-03250	TAG ASSY, CAUTION	1	1	1	1				
35-1	2	172437-03251	TAG ASSY, CAUTION	1	1	1	1				N
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
35-2	2	172437-03252	TAG ASSY, CAUTION	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									

Remarks  
(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.52-1,61-1.

Fig.2. LABEL(CANOPY)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



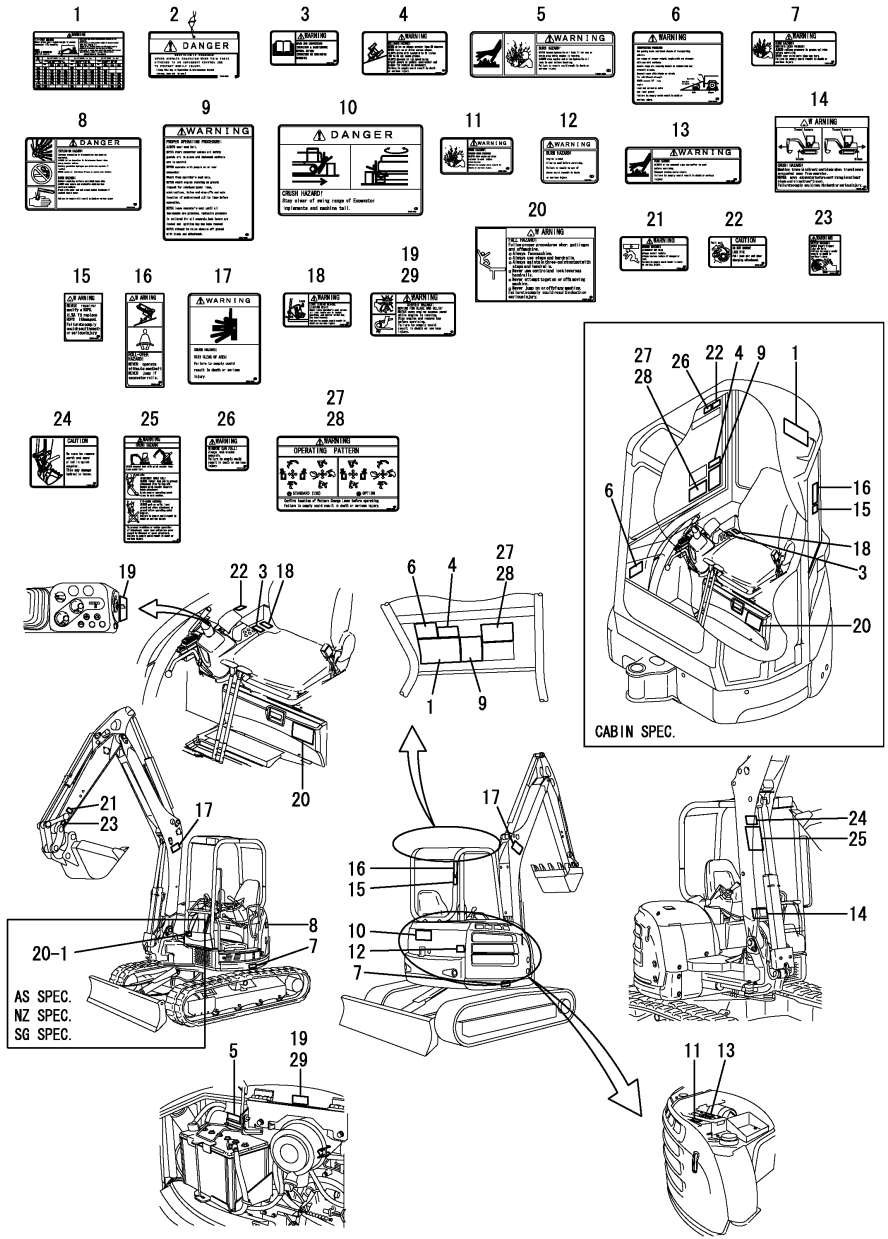
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
36	2	172437-03301	LABEL, MANUAL US	1	1	1					
36-1	2	172437-03302	LABEL, MANUAL US	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
37	2	172437-03312	LABEL,SLOPE US	1	1	1	1				
38	2	172437-03322	LABEL, HYD.OIL TANK	1	1	1	1				
39	2	172437-03342	LABEL, TRANSPORT US	1	1	1					
39-1	2	172437-03343	LABEL, TRANSPORT US	1	1	1	1				N
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
40	2	172437-03352	LABEL, GREASE CYL.	2	2	2	2				
41	2	172437-03361	LABEL, BATTERY US	1	1	1	1				
42	2	172437-03372	LABEL, NEUTRAL US	1	1	1	1				
43	2	172437-03381	LABEL, SWING AREA US	1	1	1	1				
44	2	172437-03391	LABEL, RADIATOR US	1	1	1	1				
45	2	172437-03402	LABEL, ENG. COVER US	1	1	1	1				
46	2	172437-03422	LABEL, MUFFLER US	1	1	1	1				
47	2	172437-03432	LABEL, STEERING US	1	1	1	1				
48	2	172437-03441	LABEL, ROPS US	1	1	1	1				
49	2	172437-03451	LABEL, SEAT BELT US	1	1	1	1				
50	2	172437-03461	LABEL, BOOM US	2	2	2	2				
51	2	172437-03471	LABEL, LEVER LOCK US	1	1	1	1				
51A	2	172A47-03250	LABEL, PTO FOOT	1	1	1	1				
52	2	172A47-03310	LABEL, MODEL 45R	1	1	1	1				
52-1	2	172A47-03311	LABEL, MODEL 45R	1	1	1	1				S 1
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
53	2	172A47-03260	LABEL, PTO SWITCH	1	1	1	1				
54	2	172A47-03350	LABEL, LIFT Q US	1	1	1					
54-1	2	172A47-03360	LABEL, LIFT Q US	1	1	1					S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
54-2	2	172A47-03361	LABEL, LIFT Q US	1	1	1					N
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
54-3	2	172A47-03362	LABEL, LIFT Q US	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
54-4	2	172A47-03363	LABEL, LIFT Q US	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
55	2	172A47-03270	LABEL, PTO SELECT	1	1	1	1				
56	2	172A47-03300	LABEL, MODEL 45L	1	1	1	1				
56-1	2	172A47-03301	LABEL, MODEL 45L	1	1	1	1				S 1
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
57	2	172437-03601	LABEL, 2-WAY US	1	1	1					
58	2	172A47-03410	LABEL, 4 WAY US								1
59	2	172444-03290	MAGNET								1
60	2	172A47-03220	LABEL, 2-WAY	1	1	1					
61	2	172A47-03390	LABEL, MULTILEVER US								1

Remarks  
 (1) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.52-1,61-1.

Fig.3. SAFETY LABEL

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



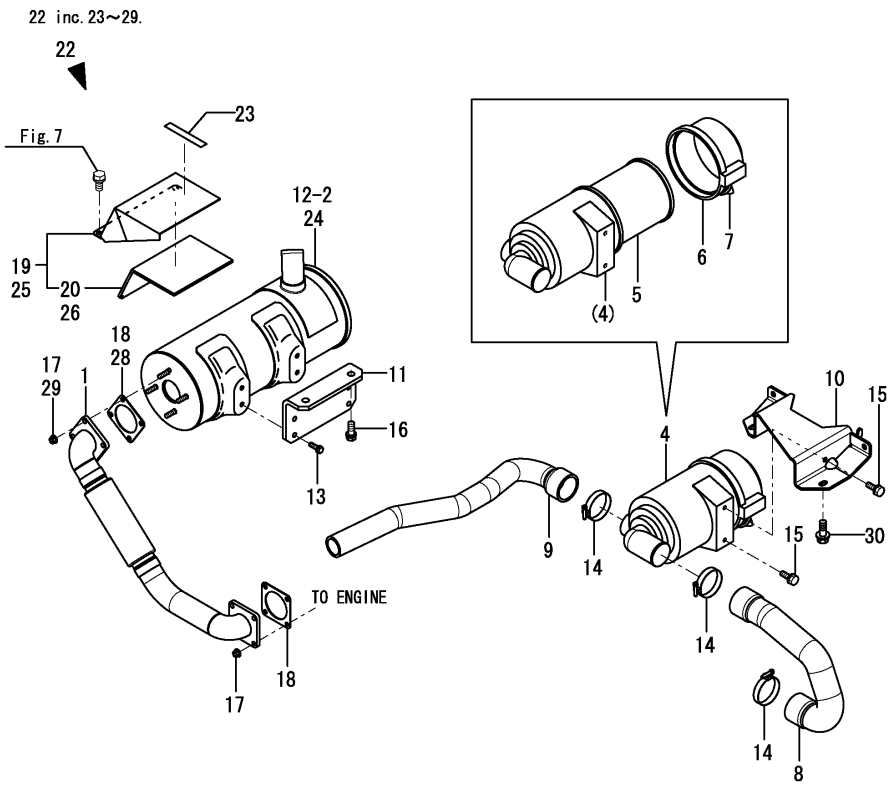
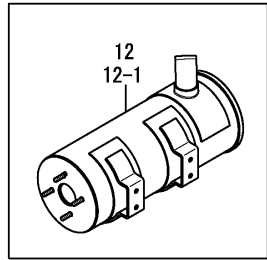
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-03350	LABEL, LIFT Q US	1	1	1					
1-1	1	172A47-03360	LABEL, LIFT Q US	1	1	1					S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
1-2	1	172A47-03361	LABEL, LIFT Q US	1	1	1					N
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
1-3	1	172A47-03362	LABEL, LIFT Q US	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
1-4	2	172A47-03363	LABEL, LIFT Q US	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
2	1	172437-03250	TAG ASSY, CAUTION	1	1	1					
2-1	1	172437-03251	TAG ASSY, CAUTION	1	1	1					S
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
2-2	1	172437-03252	TAG ASSY, CAUTION	1	1	1	1				S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
3	1	172437-03301	LABEL, MANUAL US	1	1	1	1				
3-1	1	172437-03302	LABEL, MANUAL US	1	1	1	1				S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
4	1	172437-03312	LABEL, SLOPE US	1	1	1	1				
5	1	172437-03322	LABEL, HYD.OIL TANK	1	1	1	1				
6	1	172437-03342	LABEL, TRANSPORT US	1	1	1					
6-1	1	172437-03343	LABEL, TRANSPORT US	1	1	1	1				S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
7	1	172437-03352	LABEL, GREASE CYL.	2	2	2	2				
8	1	172437-03361	LABEL, BATTERY US	1	1	1	1				
9	1	172437-03372	LABEL, NEUTRAL US	1	1	1	1				
10	1	172437-03381	LABEL, SWING AREA US	1	1	1	1				
11	1	172437-03391	LABEL, RADIATOR US	1	1	1	1				
12	1	172437-03402	LABEL, ENG, COVER US	1	1	1	1				
13	1	172437-03422	LABEL, MUFFLER US	1	1	1	1				
14	1	172437-03432	LABEL, STEERING US	1	1	1	1				
15	1	172437-03441	LABEL, ROPS US	1	1	1	1				
16	1	172437-03451	LABEL, SEAT BELT US	1	1	1	1				
17	1	172437-03461	LABEL, BOOM US	2	2	2	2				
18	1	172437-03471	LABEL, LEVER LOCK US	1	1	1	1				
19	1	172A36-03411	LABEL, ENG ROOM	1	1	1	1				1
20	1	172472-03141	LABEL, SUPPORT US	1	1	1	1				
20-1	1	172472-03141	LABEL, SUPPORT US		2	2	2				K 1
		(B=M50501) (C=M50501) (D=M50501)									
21	1	172472-03330	LABEL, LOCK PIN(US)	1	1	1	1				
22	1	172472-03241	LABEL, PIN US	1	1	1	1				
23	1	172472-03261	LABEL, FINGER US	1	1	1	1				
24	1	172472-03271	LABEL, SAND US	1	1	1	1				
25	1	172472-03281	LABEL, WARNING HITCH	1	1	1	1				
26	1	172437-03551	LABEL, WINDOW US	1	1	1	1				
27	1	172437-03601	LABEL, 2-WAY US	1	1	1					
28	1	172A47-03410	LABEL, 4 WAY US							1	
29	1	172A36-03411	LABEL, ENG ROOM	1	1	1	1				2

Remarks  
(1)CANOPY SPEC.  
(2)CABIN SPEC.

Fig.4. SILENCER & AIR CLEANER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172461-11330	TUBE ASSY	1	1	1	1				
1-1	1	172461-11331	TUBE ASSY	1	1	1	1				N
		(A=M/#50898) (B=M/#50898) (C=M/#50898)									
4	1	172A47-11500	CLEANER ASSY, AIR	1	1	1	1				1
5	2	129004-12520	ELEMENT, AIR CLEANER	1	1	1	1				
6	2	119866-12530	COVER ASSY	1	1	1	1				
7	2	119808-12540	VALVE, UNLOADER	1	1	1	1				1
7A	1	172125-03951	LABEL, AIR CLEANER	1	1	1	1				3
8	1	172A47-11510	HOSE A,AIRCLEANER	1	1	1	1				
9	1	172A47-11520	HOSE B,AIRCLEANER	1	1	1	1				
10	1	172A47-11600	BRACKET ASSY	1	1	1	1				
11	1	172A47-13430	BRACKET,MUFFLER	1	1	1	1				
12	1	129642-13570	SILENCER	1	1	1	1				2
12-1	1	172A47-11300	SILENCER ASSY	1	1	1	1				N 2
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									
12-2	1	172A47-11301	SILENCER ASSY	1	1	1	1				F 4
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
12A	1	172437-03422	LABEL, MUFFLER US	2	2	2	2				3
13	1	26013-080252	BOLT, M8X 25	4	4	4	4				
14	1	23000-070000	CLAMP, 70	3	3	3	3				
15	1	26013-080202	BOLT, M8X 20	2	2	2	2				
16	1	26013-120302	BOLT, M12X 30	2	2	2	2				
17	1	26051-080002	NUT, M8	8	8	8	8				
18	1	129400-13201	GASKET, SILENCER	2	2	2	2				
19	1	172A47-11350	GUARD ASSY, MUFFLER	1	1	1	1				W 4
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
20	2	172A47-11370	WOOL, GLASS	1	1	1	1				W
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
22	1	172A47-08420	CHANGE KIT, MUFFLER	1	1	1	1				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
23	2	172437-03422	LABEL, MUFFLER US	1	1	1	1				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
24	2	172A47-11301	SILENCER ASSY	1	1	1	1				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
25	2	172A47-11350	GUARD ASSY, MUFFLER	1	1	1	1				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
26	3	172A47-11370	WOOL, GLASS	1	1	1	1				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
28	2	129400-13201	GASKET, SILENCER	1	1	1	1				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
29	2	26051-080002	NUT, M8	4	4	4	4				W
		(A=M/#51936) (B=M/#51936) (C=M/#51936) (D=M/#51936)									
30	1	26014-100252	BOLT, M10X 25	2	2	2	2				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									

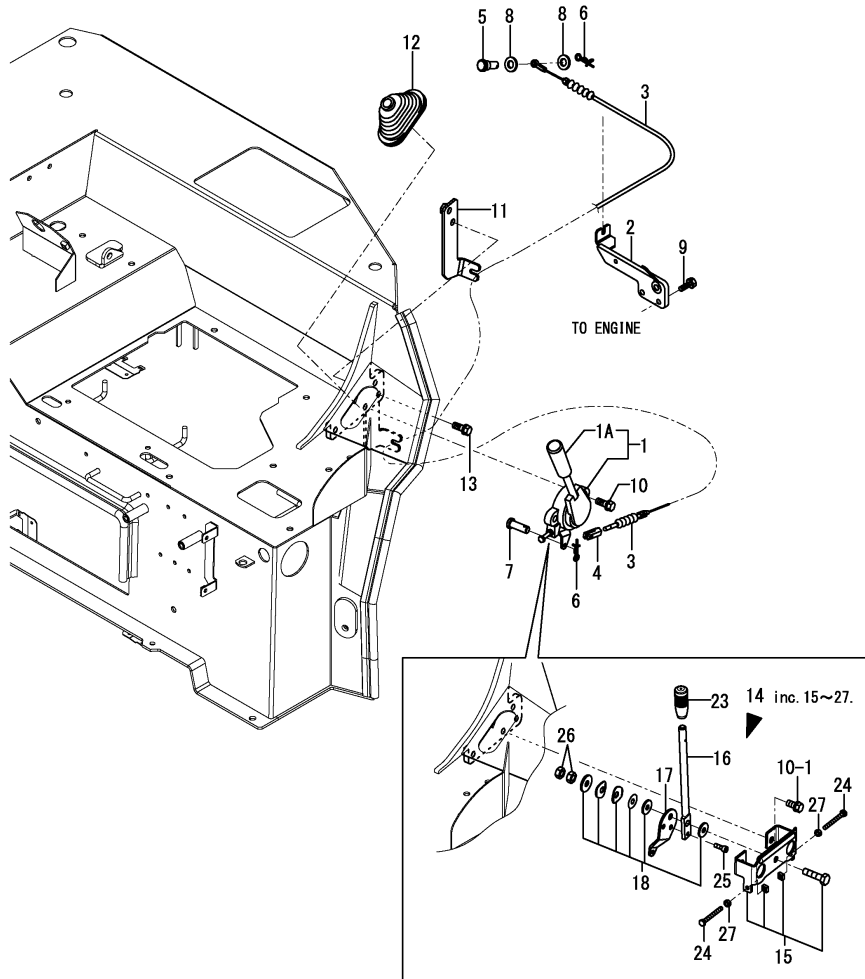
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.7A.  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.12A.  
 (3)LABELS ARE NOT ILLUSTRATED.  
 (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.12-2,19.



Fig.5. ACCELERATOR

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-12100	LEVER, ACCELERATOR	1	1	1					
1-1	1	172A47-12101	LEVER, ACCELERATOR	1	1	1					N
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
1-2	1	172A47-12140	LEVER, ACCELERATOR	1	1	1					N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
1-3	1	172A47-12141	LEVER, ACCELERATOR	1	1	1	1				R
		(A=M/#50985) (B=M/#50985) (C=M/#50985)									
1-4	1	172A47-12141	LEVER, ACCELERATOR	1	1	1	1				Z 1
		(A=*2016.10.) (B=*2016.10.) (C=*2016.10.) (D=*2016.10.)									
1A	2	172165-12140	GRIP	1	1	1	1				W
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
1A-1	2	172A79-12150	GRIP	1	1	1	1				N
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
2	1	172491-12100	SUPPORT ASSY, CABLE	1	1	1	1				
3	1	172A47-12130	CABLE, ACCELERATOR	1	1	1	1				
4	1	172137-12270	JOINT, CABLE	1	1	1	1				
5	1	172113-12522	PIN, CABLE	1	1	1	1				
6	1	1C6281-52310	PIN, SNAP 6	2	2	2	2				
7	1	1A1040-56900	PIN, FLAT HEAD 6X17	1	1	1	1				
8	1	22137-060000	WASHER, 6	2	2	2	2				
9	1	26013-080202	BOLT, SPRING M8X 20	2	2	2	2				
10	1	26013-100252	BOLT, SPRING M10X 25	2	2	2	2				
10-1	1	26013-100202	BOLT, M10X 20	2	2	2	2				S
		(A=*2016.10.) (B=*2016.10.) (C=*2016.10.) (D=*2016.10.)									
11	1	172A47-12110	BRACKET, CABLE	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
12	1	172141-41340	BOOT	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
13	1	26013-100252	BOLT, SPRING M10X 25	2	2	2	2				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
14	1	172A47-12142	LEVER ASSY, ACCEL.	1	1	1	1				W
		(A=*2016.10.) (B=*2016.10.) (C=*2016.10.) (D=*2016.10.)									
15	2	172458-12150	BRACKET ASSY, ACCEL.	1	1	1	1				
16	2	172458-12170	LEVER, ACCEL	1	1	1	1				
17	2	172458-12180	PLATE	1	1	1	1				
18	2	172458-12200	SPRING SET	1	1	1	1				
23	2	172498-12250	GRIP, ACCELERATOR	1	1	1	1				
24	2	26117-060554	BOLT M 6X 55	2	2	2	2				
25	2	26450-060102	BOLT, M6X 10	1	1	1	1				
26	2	26757-100002	NUT, LOCK M10	2	2	2	2				
27	2	26857-060002	NUT, M6	2	2	2	2				

Remarks

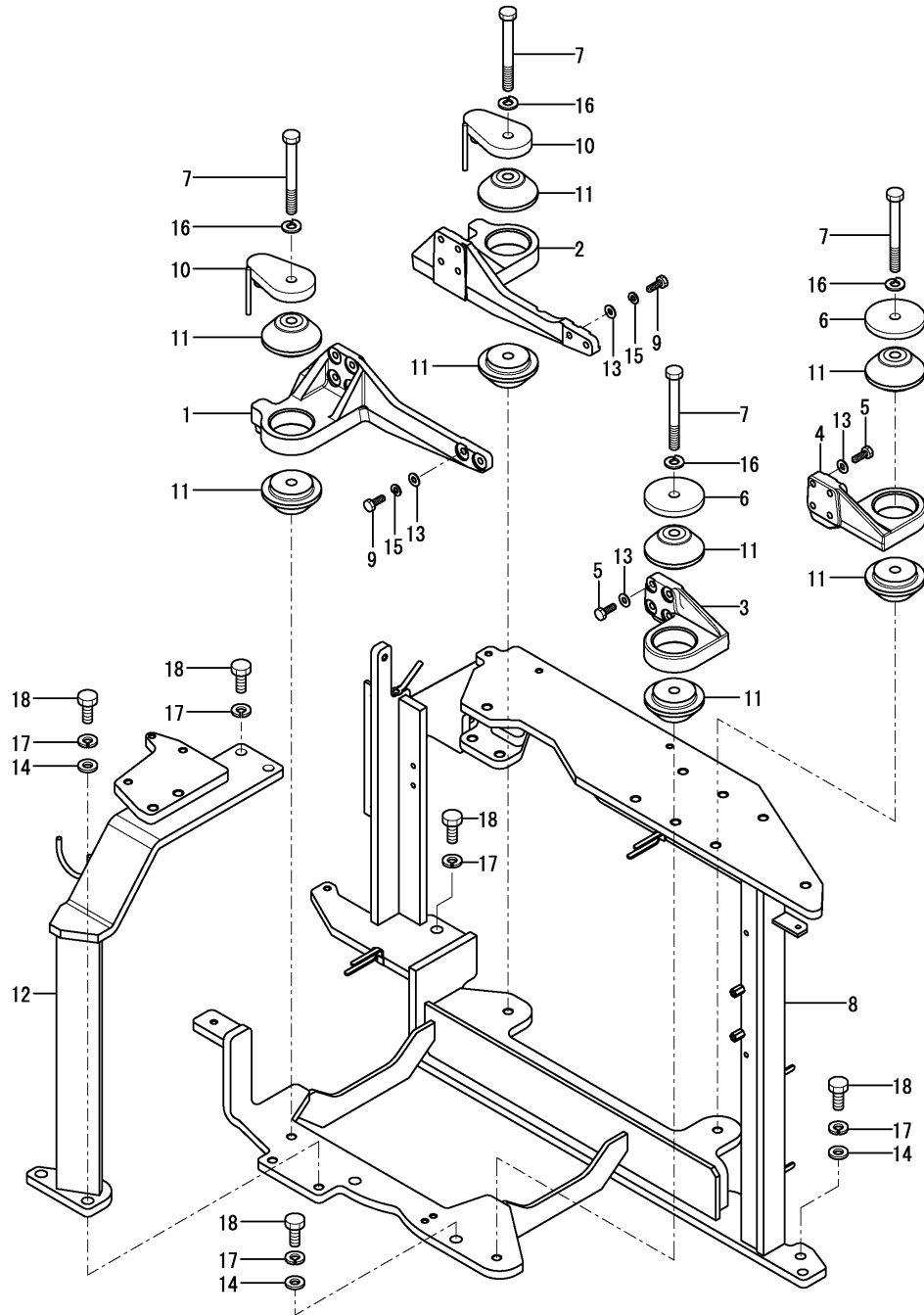
(1)Interchangeable by simultaneous replacement with No.10-1 & 14.

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

Fig.6. ENGINE MOUNT

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

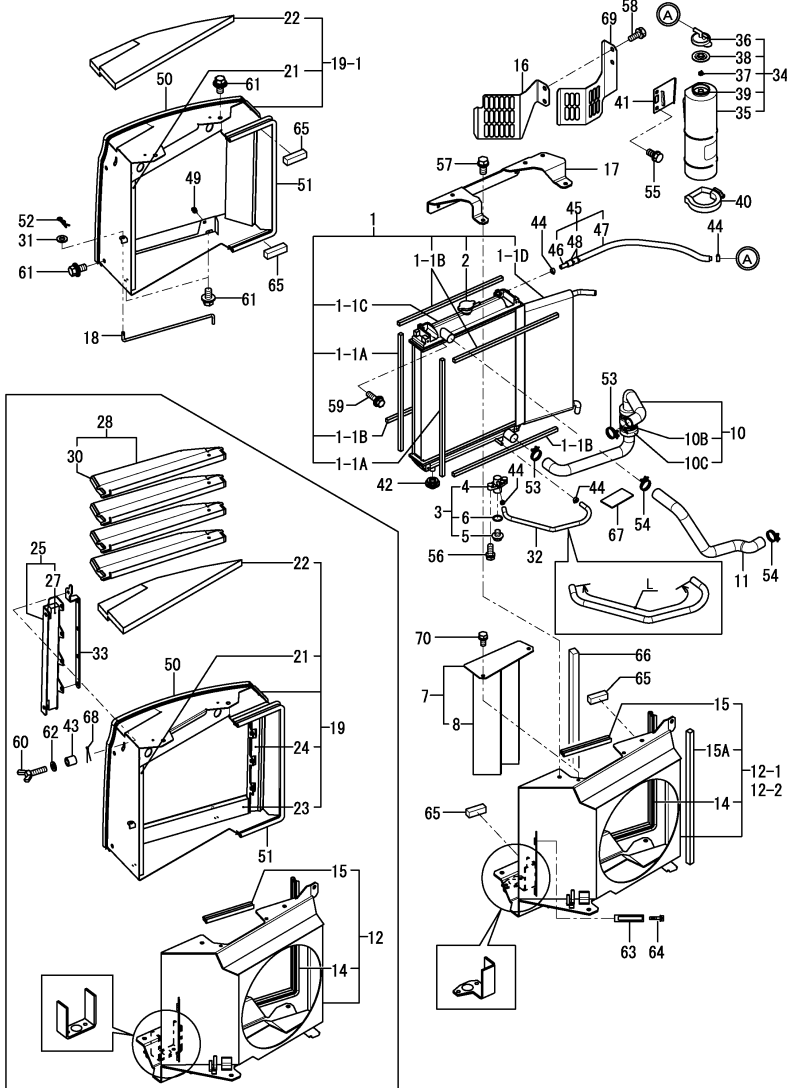


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172491-13101	MOUNT, ENGINE	1	1	1	1				
2	1	172491-13111	MOUNT, ENGINE	1	1	1	1				
3	1	172461-13120	MOUNT, ENGINE	1	1	1	1				
4	1	172461-13130	MOUNT, ENGINE	1	1	1	1				
5	1	172461-13140	BOLT M10X 40	8	8	8	8				
6	1	172162-13170	WASHER	2	2	2	2				
7	1	172162-13190	BOLT M16X150	4	4	4	4				
8	1	172A47-13200	MOUNT ASSY, ENGINE	1	1	1					
8-1	1	172A47-13201	MOUNT ASSY, ENGINE	1	1	1					N
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
8-2	1	172A47-13202	MOUNT ASSY, ENGINE	1	1	1	1				N
		(A=M/#50810) (B=M/#50810) (C=M/#50810)									
9	1	172162-13200	BOLT M10X30	12	12	12	12				
10	1	172165-13241	STOPPER ASSY	2	2	2					
10-1	1	172165-13242	STOPPER ASSY	2	2	2	2				N
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
11	1	172165-13270	MOUNT, ENGINE	8	8	8	8				
12	1	172A47-13680	BRACKET ASSY	1	1	1	1				
13	1	172137-46040	SEAT, SPRING	20	20	20					
13-1	1	172137-46042	SEAT, SPRING	20	20	20	20				N
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
14	1	22137-160000	WASHER, 16	5	5	5	5				
15	1	22217-100000	WASHER, SPRING 10	12	12	12	12				
16	1	22217-160000	WASHER, SPRING 16	4	4	4	4				
17	1	22217-160000	WASHER, SPRING 16	10	10	10	10				
18	1	26076-160402	BOLT, 10.916X 40	10	10	10	10				

Fig.7. RADIATOR & MOUNT

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-13150	RADIATOR ASSY	1	1	1					1
1-1	1	172A47-13151	RADIATOR ASSY	1	1	1	1				N 1
				(A=M/#50540) (B=M/#50540) (C=M/#50540)							
1-1A	2	172A47-13050	GASKET	2	2	2	2				
1-1B	2	172A47-13060	GASKET	4	4	4	4				
1-1C	2	172A47-13160	RADIATOR	1	1	1	1				
1-1D	2	172A47-13180	COOLER, OIL	1	1	1	1				
2	2	129107-44590	CAP, RADIATOR	1	1	1	1				1
2A	1	172462-03320	LABEL	1	1	1	1				5
3	1	172444-13210	COCK ASSY, 2-WAY	1	1	1	1				
4	2	172444-13220	BODY	1	1	1	1				
5	2	121250-49121	PLUG, DRAIN	1	1	1	1				
6	2	24311-000160	O-RING, 1AP16.0	1	1	1	1				
7	1	172A47-13470	COVER ASSY	1	1	1	1				
8	2	172A47-13480	SPONGE	2	2	2	2				
10	1	172A47-13490	PIPE ASSY, WATER	1	1	1	1				
10B	2	172126-11510	BAND 300	2	2	2	2				
10C	2	172A47-13460	SPONGE, HOSE	1	1	1	1				
11	1	172A47-13510	PIPE, WATER	1	1	1	1				
12	1	172A47-13520	SHROUD ASSY	1	1	1					
12-1	1	172A47-13521	SHROUD ASSY	1	1	1					F 6
				(A=M/#50523) (B=M/#50523) (C=M/#50523)							
12-2	1	172A47-13522	SHROUD ASSY	1	1	1	1				N
				(A=M/#50543) (B=M/#50543) (C=M/#50543)							
14	2	172478-65580	RUBBER, SEAL	1	1	1	1				
15	2	172162-65660	SEAL	1	1	1	1				
15A	2	172A47-13130	SEAL	1	1	1	1				
16	1	172A47-13640	GUARD, FAN	1	1	1	1				
17	1	172A47-13750	BRACKET ASSY	1	1	1	1				2
17A	1	172A38-03210	LABEL,ANTI-FREEZING	1	1	1					5
17A-1	1	172A38-03211	LABEL,ANTI-FREEZING	1	1	1	1				S 5
				(A=M/#50554) (B=M/#50554) (C=M/#50554)							
18	1	172A47-13780	HOOK	1	1	1	1				
19	1	172A47-13790	DUCT ASSY	1	1	1					3
19-1	1	172A47-13960-1	DUCT ASSY	1	1	1	1				N 3
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							
21	2	172A47-14860	SPONGE	1	1	1	1				
22	2	172A47-14870	SPONGE	1	1	1	1				
23	2	172A47-14880	SPONGE	1	1	1					Z
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							
24	2	172A47-14890	SPONGE	1	1	1					Z 3
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							
24A	1	172437-03391	LABEL, RADIATOR US	1	1	1	1				5
25	1	172A47-13900	PLATE ASSY	1	1	1					Z
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							
27	2	172A47-14850	SPONGE	1	1	1					Z
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							
28	1	172A47-13930	LOUVER ASSY	4	4	4					Z
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							
30	2	172A47-13970	SPONGE	4	4	4					Z
				(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)							

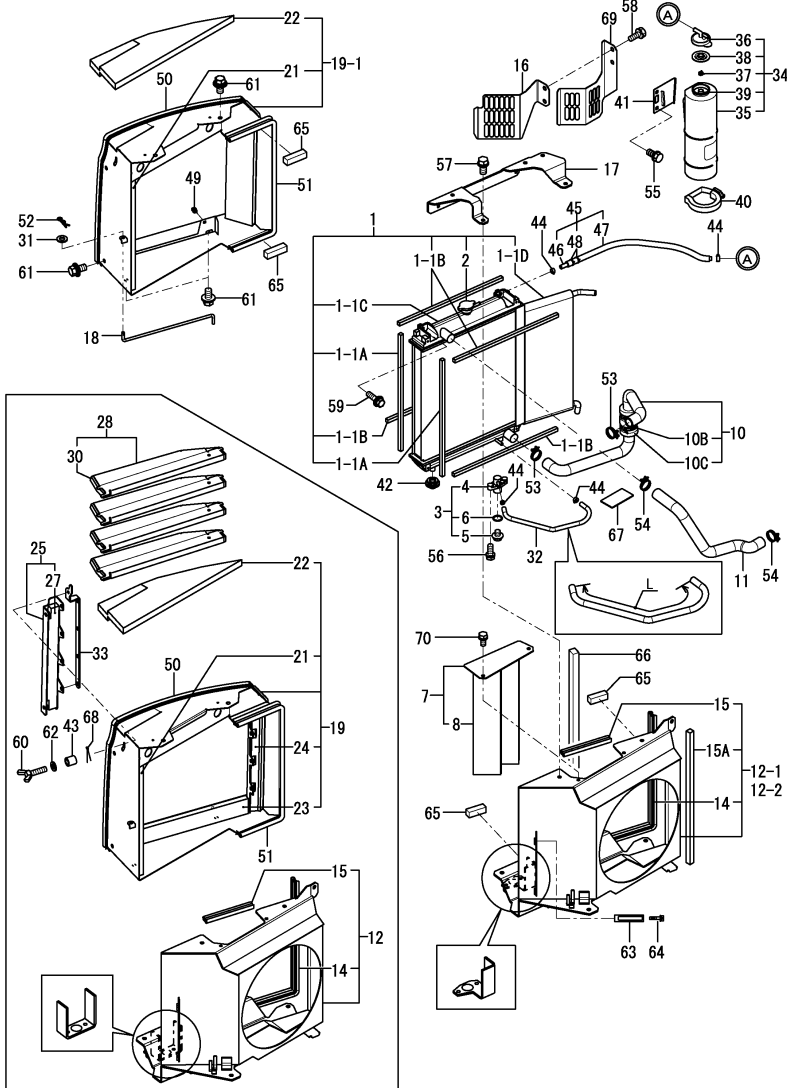
Remarks

- (1)USE W/REF.NO.2A.
- (2)USE W/REF.NO.17A,17A-1.
- (3)USE W/REF.NO.24A.
- (4)USE W/REF.NO.39A,39A-1.
- (5)LABELS ARE NOT ILLUSTRATED.
- (6)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.32-1.
- (7)L=REF.NO.32:480MM,NO.32-1:450MM.

Fig.7. RADIATOR & MOUNT

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



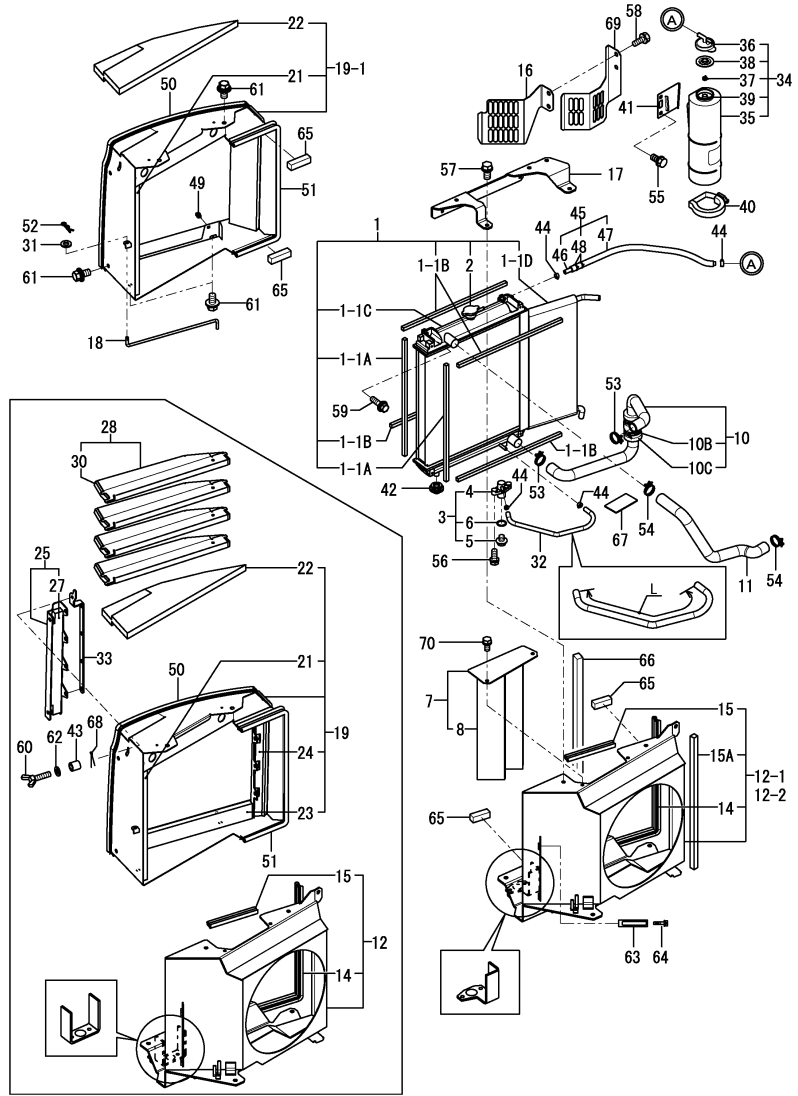
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
31	1	22137-080000	WASHER, 8	1	1	1	1				
32	1	172120-14680	HOSE	1	1	1					7
32-1	1	172124-13411	HOSE	1	1	1	1				S 7
33	1	172A47-14800	LEVER ASSY	1	1	1	1				Z
(A=M/50501) (B=M50501) (C=M50501) (D=M50501)											
34	1	171064-44510	TANK ASSY, SUB	1	1	1	1				4
35	2	171064-44520	BODY, TANK	1	1	1	1				4
36	2	121450-44531	CAP	1	1	1	1				
37	2	124450-44560	RETAINER	1	1	1	1				
38	2	121470-44581	GASKET	1	1	1	1				
39	2	23065-070225	HOSE 7X 225	1	1	1	1				
39A	1	172A38-03200	LABEL, SUB-TANK US	1	1	1					5
39A-1	1	172A38-03201	LABEL, SUB-TANK US	1	1	1	1				S 5
(A=M/50554) (B=M/50554) (C=M/50554)											
40	1	124450-44550	BAND	1	1	1	1				
41	1	121256-44600	BRACKET, SUB TANK	1	1	1	1				
42	1	184015-44680	RUBBER, RADIATOR	2	2	2	2				
43	1	172524-45250	SPACER	1	1	1	1				Z
(A=M50501) (B=M50501) (C=M50501) (D=M50501)											
44	1	124766-59050	CLIP, HOSE 12	4	4	4	4				
45	1	184015-59110	HOSE ASSY, FUEL OIL	1	1	1	1				
46	2	172141-14610	HOSE, FUEL	1	1	1	1				
47	2	184015-59120	TUBE, CORRUGATED	1	1	1	1				
48	2	933168-55770	BAND 146	2	2	2	2				
49	1	1A7400-61250	HOLDER, ROD 8	1	1	1	1				
50	1	172478-65490	RUBBER, SEAL	2	2	2	2				
51	1	172164-65710	RUBBER, SEAL	1	1	1	1				
52	1	22372-080000	PIN, SNAP 8	1	1	1	1				
53	1	23001-041000	CLAMP, HOSE 41	2	2	2	2				
54	1	23001-048000	CLAMP, HOSE 48	2	2	2	2				
55	1	26013-080162	BOLT, M8X 16	2	2	2					
55-1	1	26013-080122	BOLT, M8X 12	2	2	2	2				N
(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)											
56	1	26013-080202	BOLT, M8X 20	2	2	2	2				
57	1	26013-100202	BOLT, M10X 20	2	2	2	2				
58	1	26013-100252	BOLT, M10X 25	2	2	2	2				
59	1	26014-080302	BOLT, M8X 30	2	2	2	2				
60	1	933152-10260	WING BOLT M 8X 30	1	1	1					
60-1	1	172A46-13040	WING BOLT	1	1	1	1				N
(A=M/50740) (B=M/50740) (C=M/50740)											
60-2	1	172A46-13040	WING BOLT	1	1	1	1				Z
(A=M50741) (B=M50741) (C=M50741) (D=M50741)											
61	1	26014-100202	BOLT, M10X 20	4	4	4	4				
62	1	22217-080000	WASHER, SPRING 8	1	1	1	1				Z
(A=M50501) (B=M50501) (C=M50501) (D=M50501)											
63	1	172122-55061	BRACKET, PUMP	2	2	2	2				Z
(A=M50732) (B=M50732) (C=M50732) (D=M50732)											
64	1	26013-060122	BOLT, M6X 12	4	4	4	4				Z
(A=M50732) (B=M50732) (C=M50732) (D=M50732)											
65	1	172446-13580	SEAL, RADIATOR	4	4	4					W

- Remarks  
 (1)USE W/REF.NO.2A.  
 (2)USE W/REF.NO.17A,17A-1.  
 (3)USE W/REF.NO.24A.  
 (4)USE W/REF.NO.39A,39A-1.  
 (5)LABELS ARE NOT ILLUSTRATED.  
 (6)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.32-1.  
 (7)L=REF.NO.32:480MM,NO.32-1:450MM.

Fig.7. RADIATOR & MOUNT

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

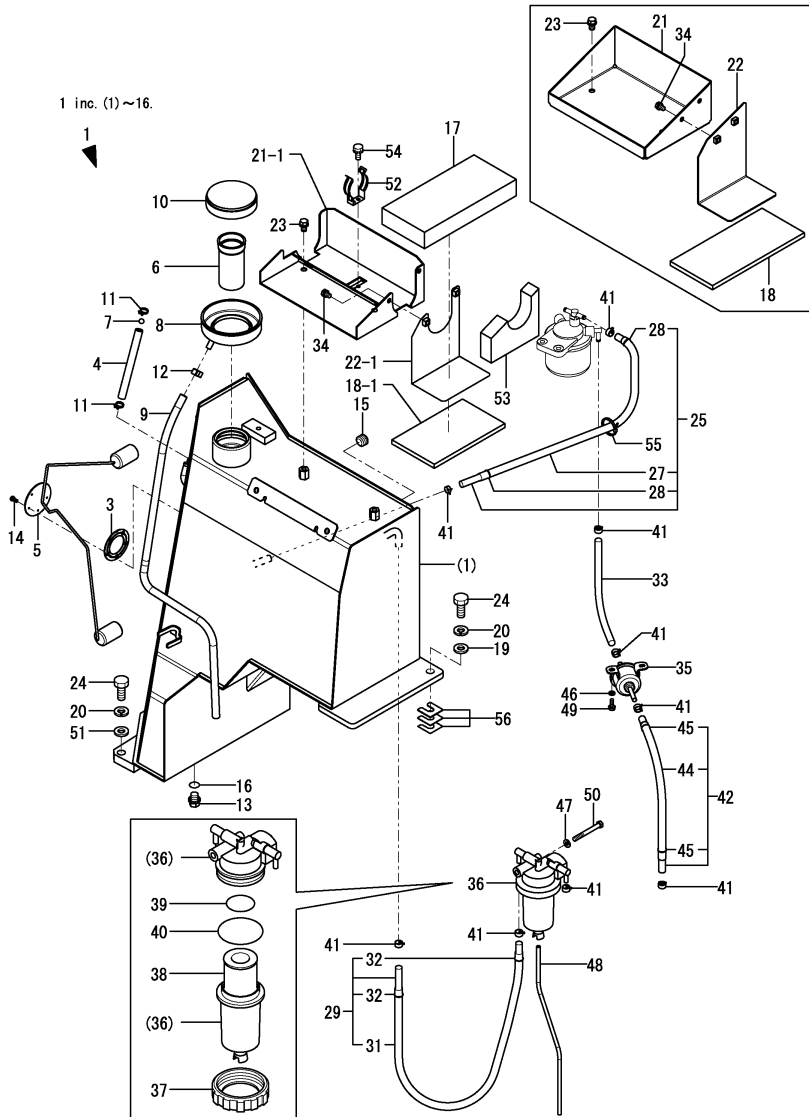
(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
65-1	1	(A=M/#50523) (B=M/#50523) (C=M/#50523)	SEAL	4	4	4	4				N
		(A=M/#50810) (B=M/#50810) (C=M/#50810)									
66	1	172A47-13940	SEAL, SHURAUD	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
67	1	172445-68790	RUBBER	1	1	1	1				W
		(A=M/#50755) (B=M/#50755) (C=M/#50755)									
68	1	22417-200200	PIN, COTTER 2.0X20	1	1	1	1				W
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
68-1	1	22417-200200	PIN, COTTER 2.0X20	1	1	1	1				Z
		(A=M50741) (B=M50741) (C=M50741) (D=M50741)									
69	1	172A47-13770	GUARD, FAN	1	1	1	1				W
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
70	1	26013-080202	BOLT, M8X 20	2	2	2	2				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									

Remarks  
 (1)USE W/REF.NO.2A.  
 (2)USE W/REF.NO.17A,17A-1.  
 (3)USE W/REF.NO.24A.  
 (4)USE W/REF.NO.39A,39A-1.  
 (5)LABELS ARE NOT ILLUSTRATED.  
 (6)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.32-1.  
 (7)L=REF.NO.32:480MM,NO.32-1:450MM.

Fig.8. FUEL TANK & FUEL PIPE



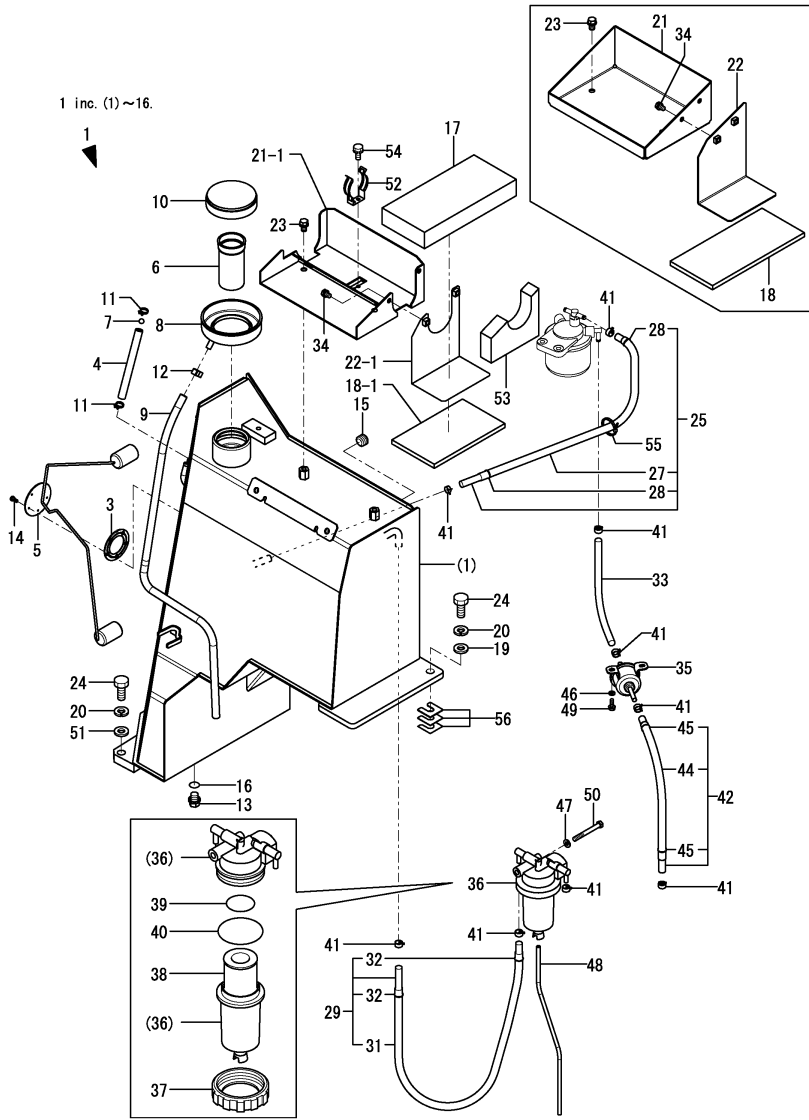
(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A47-14100	TANK ASSY, FUEL	1	1	1	1				
3	2	172162-14200	GASKET	1	1	1	1				
4	2	172A47-14210	HOSE,FO.GAUGE	1	1	1	1				
5	2	172187-14221	GAUGE, FUEL	1	1	1	1				
6	2	172183-14250	FILTER (FUEL	1	1	1	1				
7	2	172141-14260	FLOAT	1	1	1	1				
8	2	172458-14370	SUMP, FUEL	1	1	1	1				
9	2	172187-14510	HOSE	1	1	1	1				
9-1	2	172A47-14520	HOSE	1	1	1	1				N
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
10	2	105340-55040	CAP, FUEL TANK	1	1	1	1				
11	2	23010-014000	CLAMP, 14	2	2	2	2				
12	2	23080-013000	CLAMP, 13	1	1	1	1				
13	2	23491-140002	PLUG, 14	1	1	1	1				
14	2	26022-050122	SCREW, M5X12	5	5	5	5				
15	2	23876-040000	PLUG, R04	1	1	1	1				
16	2	24311-000160	O-RING, 1AP16.0	1	1	1	1				
17	1	172A47-62270	SPONGE	1	1	1	1				
17-1	1	172A47-62290	SPONGE	1	1	1	1				N
		(A=M/#50512) (B=M/#50512) (C=M/#50512)									
18	1	172A47-62280	SPONGE	1	1	1	1				
18-1	1	172A47-62320	SPONGE	1	1	1	1				S 3
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
19	1	22137-140000	WASHER, 14	3	3	3	3				
19-1	1	22137-140000	WASHER, 14	2	2	2	2				K
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
20	1	22217-140000	WASHER, SPRING 14	3	3	3	3				
21	1	172A47-05310	PLATE, TOOL BOX	1	1	1	1				
21-1	1	172A47-05300	PLATE ASSY, TOOL BOX	1	1	1	1				F 3
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
22	1	172A47-61470	PLATE, EV ASSY	1	1	1	1				
22-1	1	172A47-61570	PLATE, EV ASSY	1	1	1	1				S 3
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
23	1	26013-100162	BOLT, M10X 16	2	2	2	2				
24	1	26116-140352	BOLT, M14X 35 PLATED	3	3	3	3				
25	1	172A47-14510	FO.HOSE1850 ASSY	1	1	1	1				
27	2	184016-59370	TUBE, CORRUGATED	1	1	1	1				
27-1	2	184016-59310	TUBE, CORRUGATED	1	1	1	1				R
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
28	2	933168-55770	BAND 146	2	2	2	2				
29	1	172448-14610	HOSE 1350 ,FUEL	1	1	1	1				
29-1	1	172A78-14600	HOSE 1430 ASSY ,FUEL	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
31	2	172448-14620	TUBE, CORRUGATED	1	1	1	1				
32	2	933168-55770	BAND 146	2	2	2	2				
33	1	172183-14640	HOSE	1	1	1	1				
34	1	26013-080122	BOLT, M8X 12	2	2	2	2				
35	1	129612-52100	PUMP ASSY, FUEL FEED	1	1	1	1				
36	1	184016-55700	SEPARATOR ASSY,WATER	1	1	1	1				1
36-1	1	184016-55701	SEPARATOR ASSY,WATER	1	1	1	1				N 1
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									

Remarks  
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.40A.  
(2)LABELS ARE NOT ILLUSTRATED.  
(3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.18-1,21-1, 22-1,52,53,54.

Fig.8. FUEL TANK & FUEL PIPE



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

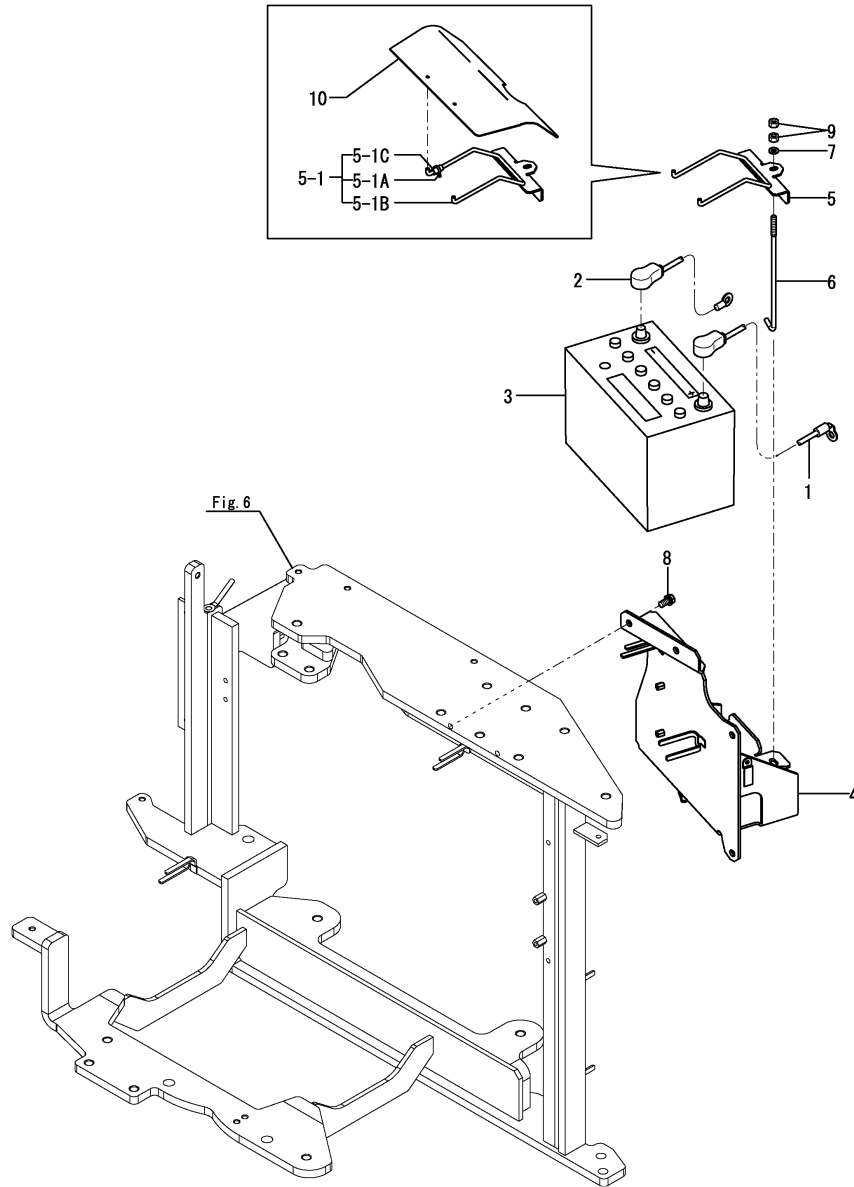
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
37	2	129100-55690	RING, RETAINING	1	1	1	1				
38	2	119802-55710	ELEMENT	1	1	1	1				
39	2	24311-000160	O-RING, 1AP16.0	1	1	1	1				
40	2	24321-000650	O-RING, 1AG65.0	1	1	1	1				
40A	1	172A07-03160	LABEL	1	1	1	1				2
41	1	124766-59050	CLIP, HOSE 12	8	8	8	8				
42	1	184015-59190	PIPE ASSY, FUEL 1050	1	1	1	1				
44	2	184015-59200	TUBE, CORRUGATED	1	1	1	1				
45	2	933168-55770	BAND 146	2	2	2	2				
46	1	22137-060000	WASHER, 6	2	2	2	2				
47	1	22217-080000	WASHER, SPRING 8	1	1	1	1				
48	1	23061-050300	PIPE, 5X 300	1	1	1	1				
49	1	26013-060162	BOLT, M6X 16	2	2	2	2				
50	1	26116-080702	BOLT, M8X 70 PLATED	1	1	1	1				
51	1	22157-140000	WASHER, 14	1	1	1	1				W
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
52	1	172122-55061	BRACKET, PUMP	1	1	1	1				W 3
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
53	1	172A47-62310	SPONGE	1	1	1	1				W 3
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
54	1	26013-060122	BOLT, M6X 12	2	2	2	2				W 3
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
55	1	172137-16560	BAND	2	2	2	2				W
		(A=M/#50512) (B=M/#50512) (C=M/#50512)									
56	1	172117-53320	SPACER ASSY	1	1	1	1				W
		(A=M/#50948) (B=M/#50948) (C=M/#50948)									

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.40A.  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.18-1,21-1, 22-1,52,53,54.

Fig.9. BATTERY

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-16100	CORD ASSY, BATTERY	1	1	1	1				
2	1	172A47-16110	CORD, BATTERY	1	1	1	1				
3	1	172460-16130	BATTERY	1	1	1	1				
4	1	172A47-16300	MOUNT ASSY, BATTERY	1	1	1					1
4-1	1	172A47-16301	MOUNT ASSY, BATTERY	1	1	1	1				N 1
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
4A	1	172437-03322	LABEL, HYD.OIL TANK	1	1	1	1				2
5	1	172460-16300-1	CLAMP ASSY, BATTERY	1	1	1	1				
5-1	1	172A47-16250-1	CLAMP ASSY, BATTERY	1	1	1	1				N
		(A=M50898) (B=M50898) (C=M50898) (D=M50898)									
5-1A	2	172126-11510	BAND 300	1	1	1	1				
5-1B	2	172460-16300-1	CLAMP ASSY, BATTERY	1	1	1	1				
5-1C	2	172A46-16360	HOSE, CLAMP	1	1	1	1				
6	1	172164-16370	ROD	1	1	1	1				
7	1	22137-080000	WASHER, 8	1	1	1	1				
8	1	26013-100202	BOLT, M10X 20	4	4	4	4				
9	1	26716-080002	NUT, M8	2	2	2	2				
10	1	172A47-16150	COVER, BATTERY	1	1	1	1				W
		(A=M50898) (B=M50898) (C=M50898) (D=M50898)									
10-1	1	172A47-16140	COVER, BATTERY	1	1	1	1				N
		(A=M50948) (B=M50948) (C=M50948) (D=M50948)									

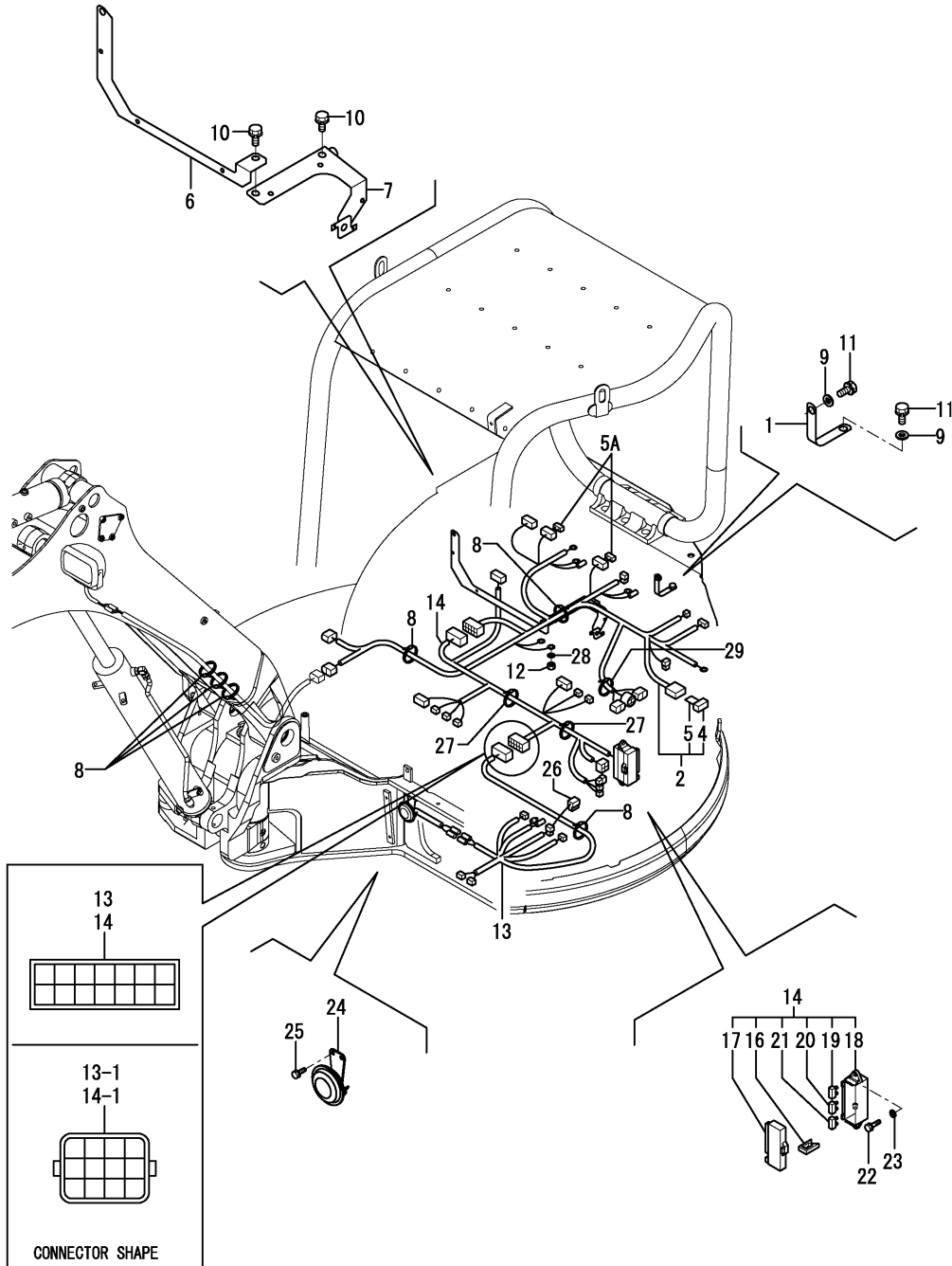
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.4A.  
 (2)LABELS ARE NOT ILLUSTRATED.



Fig.10. ELECTRIC PART(WIRING)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

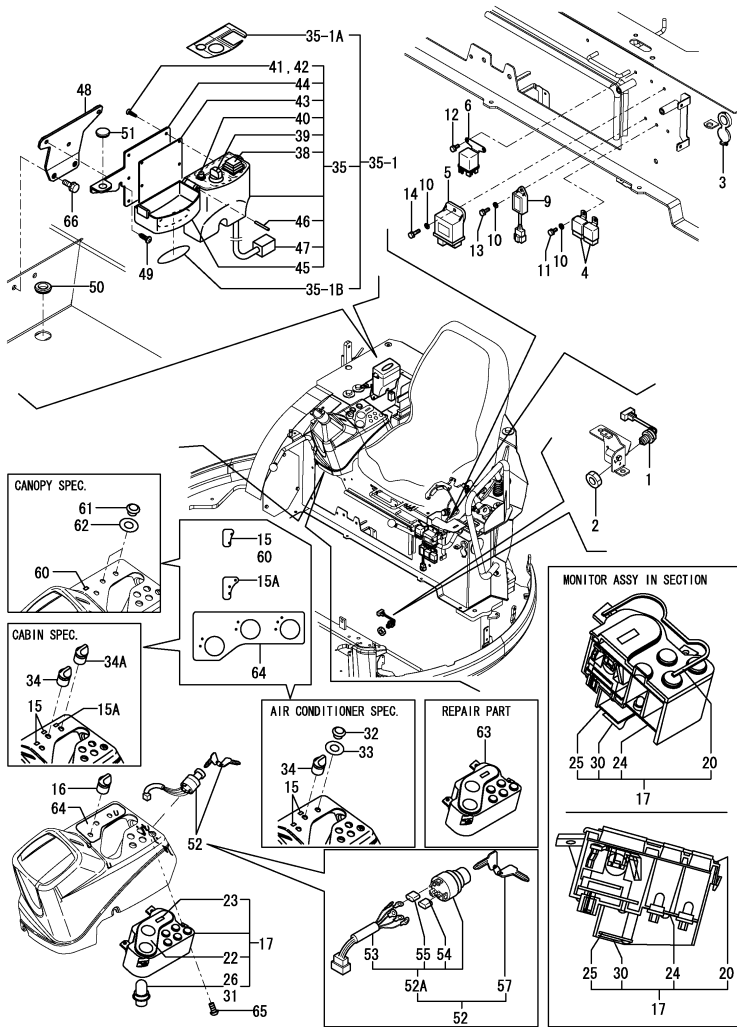


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-16130	CORD, ENGINE EARTH	1	1	1	1				
2	1	172A47-16500	HARNESS A ASSY	1	1	1	1				
4	2	172447-17140	HOUSING	1	1	1	1				
5	2	172458-16550	FUSE, SLOW BLOW (50A)	1	1	1	1				
5A	2	172648-16600	DIODE	2	2	2	2				
6	1	172497-16550	SUPPORT, HARNESS	1	1	1	1				
7	1	172490-16741	SUPPORT ASSY	1	1	1	1				
8	1	194680-51670	BAND, CLIP	6	6	6	6				
9	1	22137-100000	WASHER, 10	2	2	2	2				
10	1	26013-100162	BOLT, M10X 16	3	3	3	3				
11	1	26013-100202	BOLT, M10X 20	2	2	2	2				
12	1	26716-060002	NUT, M6	1	1	1	1				
13	1	172A47-16540	HARNESS C	1	1	1					
13-1	1	172A47-16541	HARNESS C	1	1	1	1				S
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
14	1	172A47-16520	HARNESS B ASSY	1	1	1					
14-1	1	172A46-16520	HARNESS B ASSY	1	1	1	1				S
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
16	2	172175-17120	PULLER	1	1	1	1				
17	2	172187-17220	COVER	1	1	1	1				
18	2	172187-17230	BASE	1	1	1	1				
19	2	29420-050000	FUSE, B 5A	2	2	2	2				
20	2	29420-150000	FUSE, B 15A	6	6	6	6				
21	2	29420-300000	FUSE, B 30A	2	2	2	2				
22	1	26013-060202	BOLT, M6X 20	2	2	2	2				
23	1	22137-060000	WASHER, 6	2	2	2	2				
24	1	194151-57100	HORN	1	1	1	1				
25	1	26013-060162	BOLT, M6X 16	2	2	2					
25-1	1	26013-060122	BOLT, M6X 12	2	2	2	2				N
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
26	1	172190-16500	HARNESS	1	1	1	1				
27	1	194680-51670	BAND, CLIP	2	2	2	2				W
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
28	1	22217-060000	WASHER, SPRING 6	1	1	1	1				
29	1	172126-11510	BAND 300	1	1	1	1				

Fig.11. ELECTRIC PART(EQUIPMENT)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



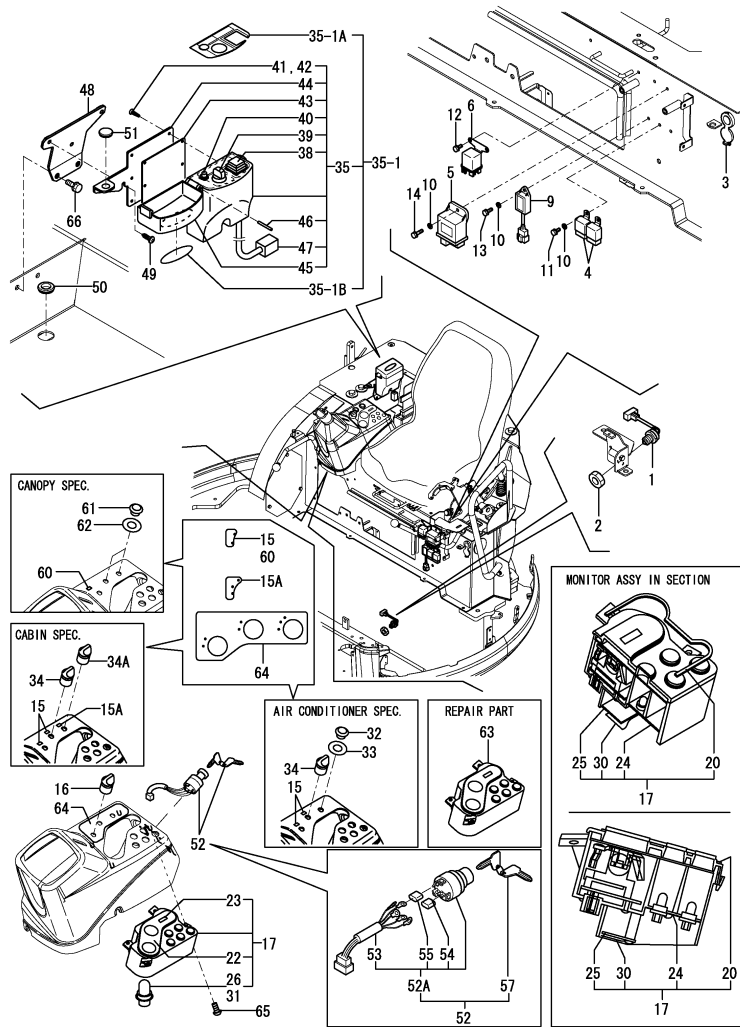
- Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.31A.  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.47A,47B.  
 (3)LABELS ARE NOT ILLUSTRATED.  
 (4)SUBSTITUE PARTS OF REF.NO.17.  
 (5)CABIN SPEC.  
 (6)CABIN A/C SPEC.  
 (7)CANOPY SPEC.

No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	194464-52190	SWITCH, SAFETY START	1	1	1	1					
2	1	26776-180002	NUT, LOCK M18	1	1	1	1					
3	1	172A47-17250	SOCKET ASSY	1	1	1	1					
4	1	119247-77100	RELAY, SAFETY	2	2	2	2					
5	1	119802-77200	RELAY, SAFETY	1	1	1	1					
6	1	119650-77910	RELAY ASSY, GLOW	1	1	1	1					
9	1	129211-77920	TIMER	1	1	1	1					
10	1	22137-060000	WASHER, 6	4	4	4	4					
11	1	26013-060122	BOLT, M6X 12	2	2	2	2					
12	1	26013-060122	BOLT, M6X 12	2	2	2	2					
13	1	26013-060162	BOLT, M6X 16	1	1	1	1					
14	1	26013-060202	BOLT, M6X 20	1	1	1	1					
15	1	172A47-03190	LABEL,SW LIGHT	2	2	2				Z	5	
		(A=M50501)	(B=M50501)	(C=M50501)	(D=M50501)							
15A	1	172A47-03180	LABEL,SW HEATER	1	1	1				Z	5	
		(A=M50501)	(B=M50501)	(C=M50501)	(D=M50501)							
16	1	172187-17280	SWITCH ASSY, LIGHT	1	1	1	1					
17	1	172472-17501	MONITOR PANEL ASSY	1	1	1	1				1	
20	2	172187-17320	PACKING	1	1	1	1					
22	2	172187-17341	GAUGE ASSY	1	1	1	1					
23	2	172187-17350	METER ASSY, HOUR	1	1	1	1					
24	2	172187-17360	PRINT,CIRCUIT	1	1	1	1					
25	2	172187-17371	CIRCUIT ASSY	1	1	1	1					
26	2	172187-17380	BULB	4	4	4	4					
30	2	172187-17470	PLATE	1	1	1	1					
31	2	172187-17480	BULB	2	2	2	2					
31A	1	172A47-03200	LABEL,STARTER SWITCH	1	1	1	1				3	
32	1	172187-17560	CAP	1	1	1	1				6	
33	1	172187-17570	GASKET	1	1	1	1				6	
34	1	172472-17300	SWITCH ASSY, WASHER	1	1	1	1				5	
34A	1	172187-17290	SWITCH ASSY, HEATER	1	1	1	1				5	
35	1	172958-17101	BOX, SWITCH	1	1	1	1				2	
35-1	1	172958-17110	SWITCH BOX(EX)	1	1	1	1				N	
		(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)							
35-1A	2	172472-03290	LABEL,SWITCH	1	1	1	1					
35-1B	2	172472-03300	LABEL,COVER	1	1	1	1					
38	3	172958-17140	SWITCH ASSY	1	1	1	1					
39	3	172958-17150	SWITCH ASSY	1	1	1	1					
40	3	172958-17160	INDICATER LAMP(CP)	1	1	1	1					
41	3	172958-17170	SCREW, TAPPING	6	6	6	6					
42	3	172958-17180	SCREW, TAPPING	2	2	2	2					
43	3	172958-17190	PACKING	1	1	1	1					
44	3	172958-17200	BRACKET	1	1	1	1					
45	3	172958-17210	CASE	1	1	1	1					
46	3	22351-030028	PIN, SPRING 3.0X28	1	1	1	1					
47	3	172958-17220	CORD	1	1	1	1				W	
		(A=M/#50549)	(B=M/#50549)	(C=M/#50549)								
47A	1	172472-03290	LABEL,SWITCH	1	1	1	1				Z	3
		(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)							
47B	1	172472-03300	LABEL,COVER	1	1	1	1				Z	3
		(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)							

Fig.11. ELECTRIC PART(EQUIPMENT)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



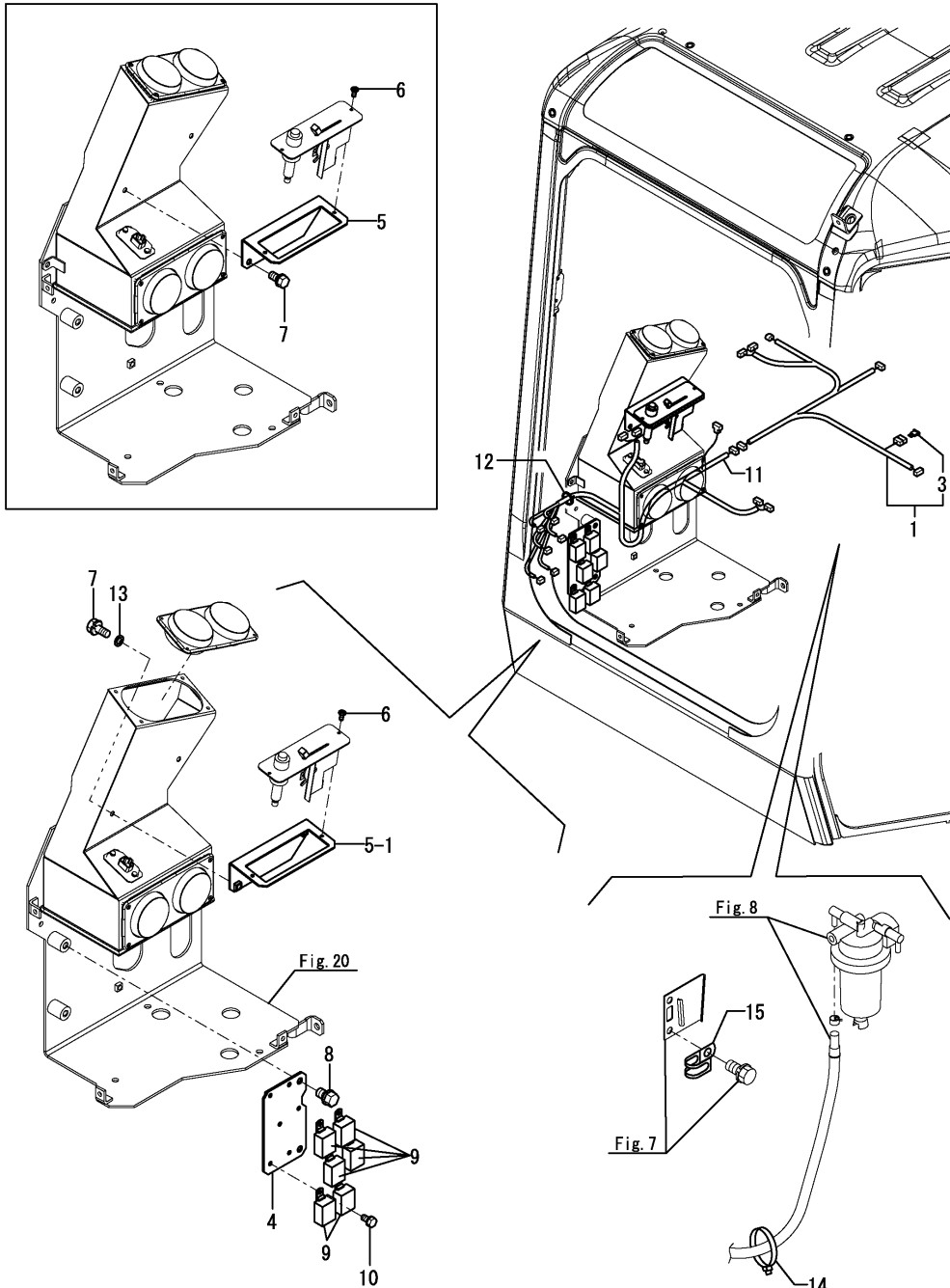
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	1	172A47-17900	STAY ASSY	1	1	1	1				
49	1	172137-46210	SCREW	3	3	3	3				
50	1	172958-64500	PLUGE 28X302 Q	1	1	1	1				
51	1	172187-64900	PLUG	1	1	1	1				
52	1	172187-17100	SWITCH ASSY, STARTER	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
52A	2	172A47-17210	CYLINDER ASSY, KEY	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
53	3	172187-17070	CORD ASSY	1	1	1	1				
54	3	172187-17080	COVER	3	3	3	3				
55	3	172187-17090	COVER	2	2	2	2				
57	2	933110-00301	KEY ASSY	1	1	1	1				
60	1	172A47-03190	LABEL, SW LIGHT	1	1	1					Z 7
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
61	1	172187-17560	CAP	2	2	2	2				7
62	1	172187-17570	GASKET	2	2	2	2				7
63	1	172A77-17500	MONITOR ASSY	1	1	1	1				W 4
		(A=M51057) (B=M51057) (C=M51057) (D=M51057)									
64	1	172A47-03240	LABEL, SWITCH	1	1	1					W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
64-1	1	172A47-03240	LABEL, SWITCH	1	1	1					Z
		(A=M50503) (B=M50503) (C=M50503) (D=M50503)									
65	1	22857-500081	SCREW, 5X 8	4	4	4	4				
65-1	1	22857-500121	SCREW 5X12	4	4	4	4				S
		(A=M50525) (B=M50525) (C=M50525) (D=M50525)									
66	1	26013-080162	BOLT, M8X 16	2	2	2	2				

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.31A.  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.47A,47B.  
 (3)LABELS ARE NOT ILLUSTRATED.  
 (4)SUBSTITUE PARTS OF REF.NO.17.  
 (5)CABIN SPEC.  
 (6)CABIN A/C SPEC.  
 (7)CANOPY SPEC.

Fig.12. ELECTRIC PART(AIR CON. SPEC.)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-16560	HARNESS ASSY,AIR	1	1	1	1				
1-1	1	172A47-16561	HARNESS ASSY,AIR	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
3	2	172648-16600	DIODE	1	1	1	1				
4	1	172A47-18760	PLATE ASSY,SR	1	1	1	1				
5	1	172A47-18710	PLATE ASSY	1	1	1					
5-1	1	172A47-18711	PLATE ASSY	1	1	1	1				S
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
6	1	26033-040202	SCREW, M4X20	2	2	2	2				
7	1	26013-080162	BOLT, M8X 16	2	2	2	2				
8	1	26013-100162	BOLT, M10X 16	2	2	2	2				
9	1	119247-77100	RELAY, SAFETY	6	6	6	6				
10	1	26013-060122	BOLT, M6X 12	6	6	6	6				
11	1	172A47-16590	HARNES B,AIR	1	1	1	1				
11-1	1	172A47-16591	HARNES,B,AIR	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
12	1	172137-16560	BAND	1	1	1	1				
13	1	22137-080000	WASHER, 8	2	2	2	2				W
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
14	1	172137-16560	BAND	1	1	1	1				W
		(A=M50810) (B=M50810) (C=M50810) (D=M50810)									
15	1	194440-51620	CLAMP	1	1	1	1				W
		(A=M50779) (B=M50779) (C=M50779) (D=M50779)									

Fig.13. TRAVEL ALARM

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

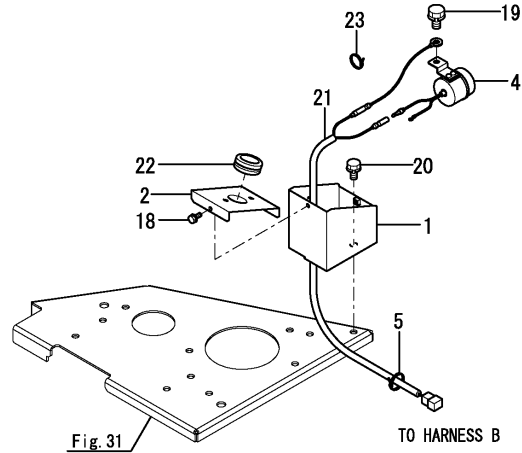
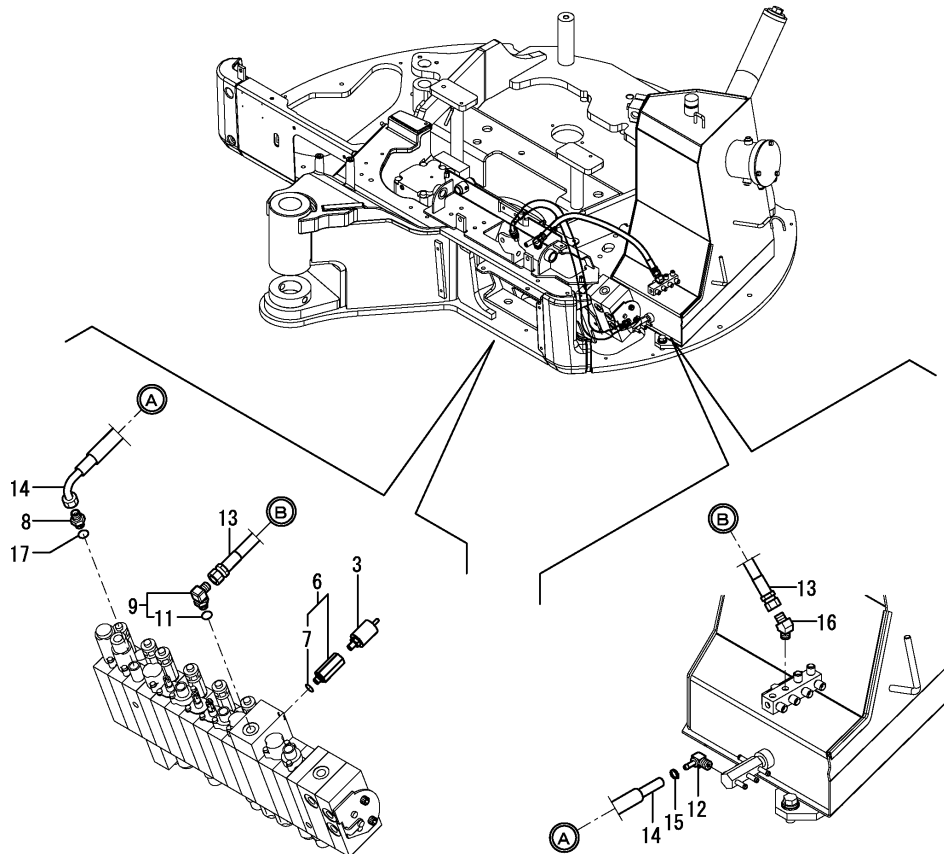


Fig.31

TO HARNESS B

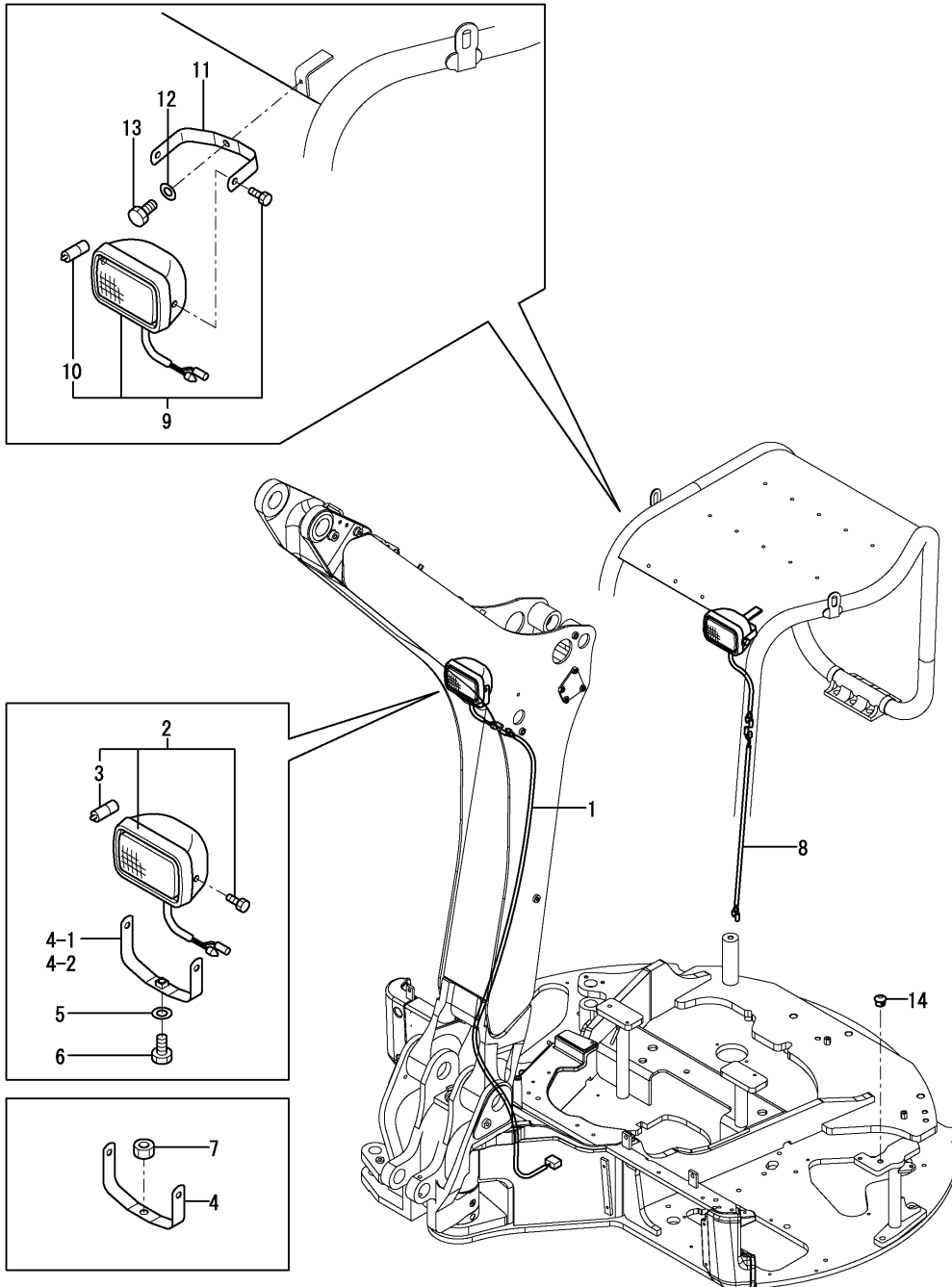


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-16810	COVER ASSY, BUZZER	1	1	1	1				
2	1	172A47-16860	COVER, FLASHER	1	1	1	1				
3	1	172478-17200	SWITCH, PRESSURE	1	1	1	1				
3-1	1	172478-17201	SWITCH, PRESSURE	1	1	1	1				R
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
4	1	172511-17351	BUZZER, BACK	1	1	1	1				
5	1	194202-56460	BAND, 200	1	1	1	1				
6	1	172A47-76110	CONNECTOR, G1/8XR1/8	1	1	1	1				
6-1	1	172A47-76111	CONNECTOR, G1/8XR1/8	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
7	2	24315-000080	O-RING, 1BP8.0	1	1	1	1				
8	1	172123-76121	ADAPTER	1	1	1	1				
9	1	172141-76180	CONNECTOR ASSY	1	1	1	1				
9-1	1	172141-76181	CONNECTOR ASSY, 02FF	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
11	2	24315-000110	O-RING, 1BP11.0	1	1	1	1				
11-1	2	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
12	1	172186-76390	NIPPLE, ELBOW	1	1	1	1				
13	1	172A47-78910	HOSE	1	1	1	1				
14	1	172A47-79320	HOSE	1	1	1	1				
14-1	1	172A47-79321	HOSE G804CY065S	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
15	1	23000-013000	CLAMP, 13	1	1	1	1				
16	1	23394-020000	JOINT, 45RGI-1/4	1	1	1	1				
17	1	24315-000110	O-RING, 1BP11.0	1	1	1	1				
17-1	1	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
18	1	26013-060122	BOLT, M6X 12	3	3	3	3				
19	1	26013-080122	BOLT, M8X 12	1	1	1	1				
20	1	26013-100162	BOLT, M10X 16	2	2	2	2				
21	1	172A47-16650	HARNESS, TRAVEL	1	1	1	1				
22	1	172456-53700	GROMMET	1	1	1	1				
23	1	933168-55770	BAND 146	1	1	1	1				

Fig.14. WORK LAMP & CANOPY LAMP

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



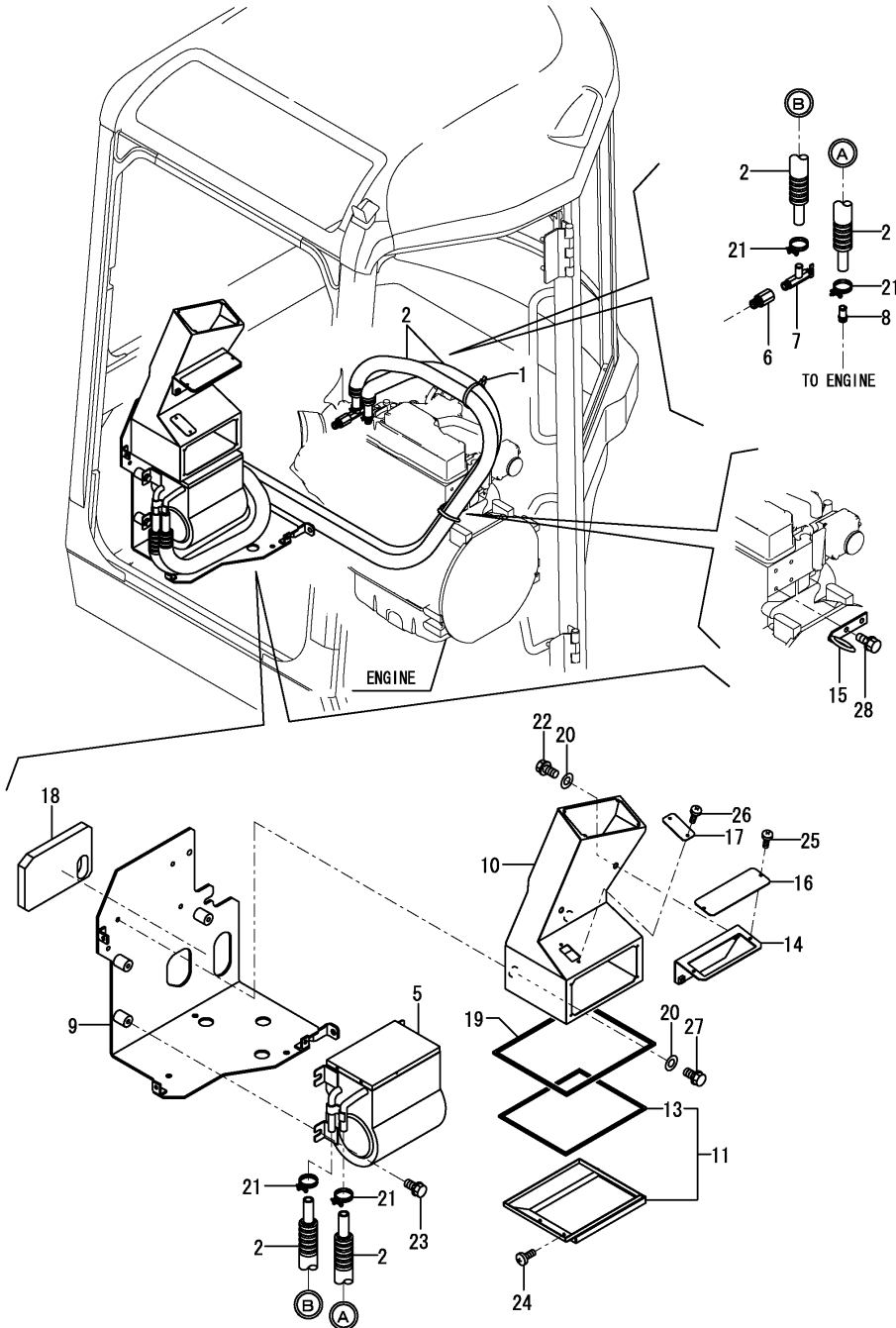
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-16550	HARNES BOOM LAMP	1	1	1	1				
2	1	172458-17400	LAMP 150X95	1	1	1	1				
3	2	172458-17420	BULB	1	1	1	1				
4	1	172458-17410-3	STAY, LAMP	1	1	1					
4-1	1	172A47-17600-2	STAY ASSY, LAMP	1	1	1					N
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
4-2	1	172A47-17600-3	STAY ASSY, LAMP	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
5	1	22137-100000	WASHER, 10	1	1	1	1				
6	1	26013-100202	BOLT, M10X 20	1	1	1	1				
7	1	26706-100002	NUT, M10	1	1	1					Z
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
8	1	172458-16562	HARNES, CANOPY LAMP		1	1	1				
9	1	172458-17400	LAMP 150X95		1	1	1				
9-1	1	172A47-17270	LIGHT ASSY		1	1	1				R
		(B=M50781) (C=M50781) (D=M50781)									
10	2	172458-17420	BULB		1	1	1				
10-1	2	172A47-17280	BULB		1	1	1				S
		(B=M50781) (C=M50781) (D=M50781)									
11	1	172458-17410-3	STAY, LAMP		1	1					
11-1	1	172458-17410-5	STAY, LAMP		1	1	1				S
		(B=M/#50922) (C=M/#50922)									
12	1	22137-100000	WASHER, 10		1	1	1				
13	1	26013-100202	BOLT, M10X 20		1	1	1				
14	1	172A47-54610	CLIP, ANCHOR	1	1	1	1				

N:Old  $\begin{matrix} \text{Yes} \\ \text{No} \end{matrix}$  New, Q:Old  $\begin{matrix} \text{No} \\ \text{Yes} \end{matrix}$  New, R:Old  $\begin{matrix} \text{Yes} \\ \text{No} \end{matrix}$  New, S:Old  $\begin{matrix} \text{No} \\ \text{Yes} \end{matrix}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.15. HEATER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

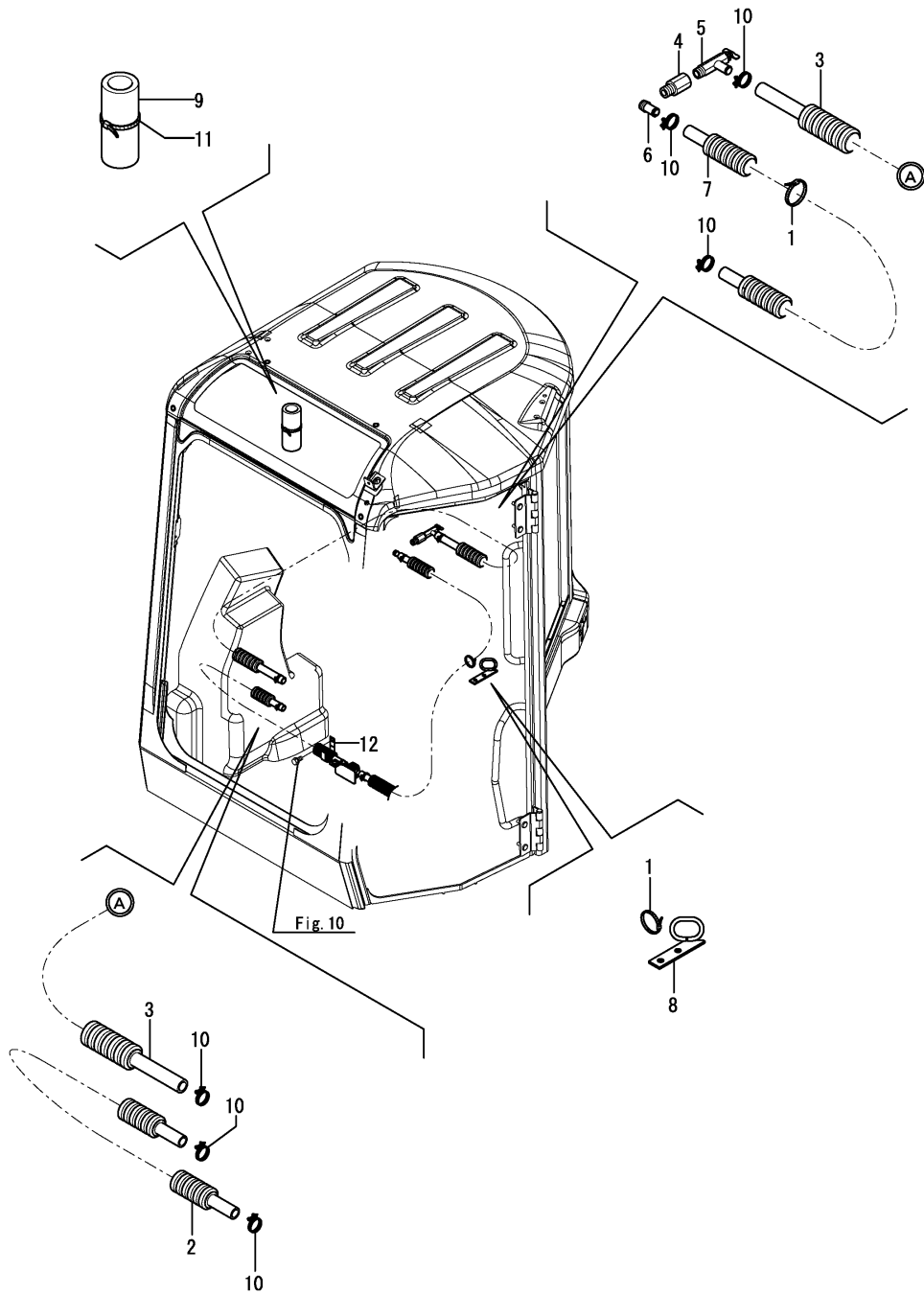
(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	1	1	1	1				
2	1	172A47-17500	HOSE ASSY, HEATER	2	2	2	2				
5	1	172458-17551	HEATER	1	1	1	1				
6	1	172460-17611	JOINT, HEATER	1	1	1	1				
7	1	172425-17630	VALVE ASSY, HEATER	1	1	1	1				
8	1	172124-17640	JOINT, PIPE	1	1	1	1				
9	1	172A47-18351	BRACKET, UNIT	1	1	1	1				
10	1	172A47-18391	DUCT ASSY	1	1	1	1				
11	1	172A47-18660	DUCT, HEATER	1	1	1	1				
13	2	172519-61550	CUSHION, BONNET	1	1	1	1				
14	1	172A47-18711	PLATE ASSY	1	1	1	1				
15	1	172165-18770	GUIDE ASSY, HOSE	1	1	1	1				
16	1	172A47-18940	COVER, CONTROL	1	1	1	1				
17	1	172A47-18950	COVER, DUCT	1	1	1	1				
18	1	172A47-19400	SPONGE	1	1	1	1				
19	1	172519-61550	CUSHION, BONNET	1	1	1	1				
20	1	22137-080000	WASHER, 8	4	4	4	4				
21	1	23001-022000	CLAMP, HOSE 22	4	4	4	4				
22	1	26013-080162	BOLT, M8X 16	2	2	2	2				
23	1	26013-100252	BOLT, M10X 25	3	3	3	3				
24	1	26587-040122	SCREW, M4X12	4	4	4	4				
25	1	26587-040122	SCREW, M4X12	2	2	2	2				
26	1	26587-040122	SCREW, M4X12	2	2	2	2				
27	1	26013-080252	BOLT, M8X 25	2	2	2	2				
28	1	26013-080162	BOLT, M8X 16	2	2	2	2				

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



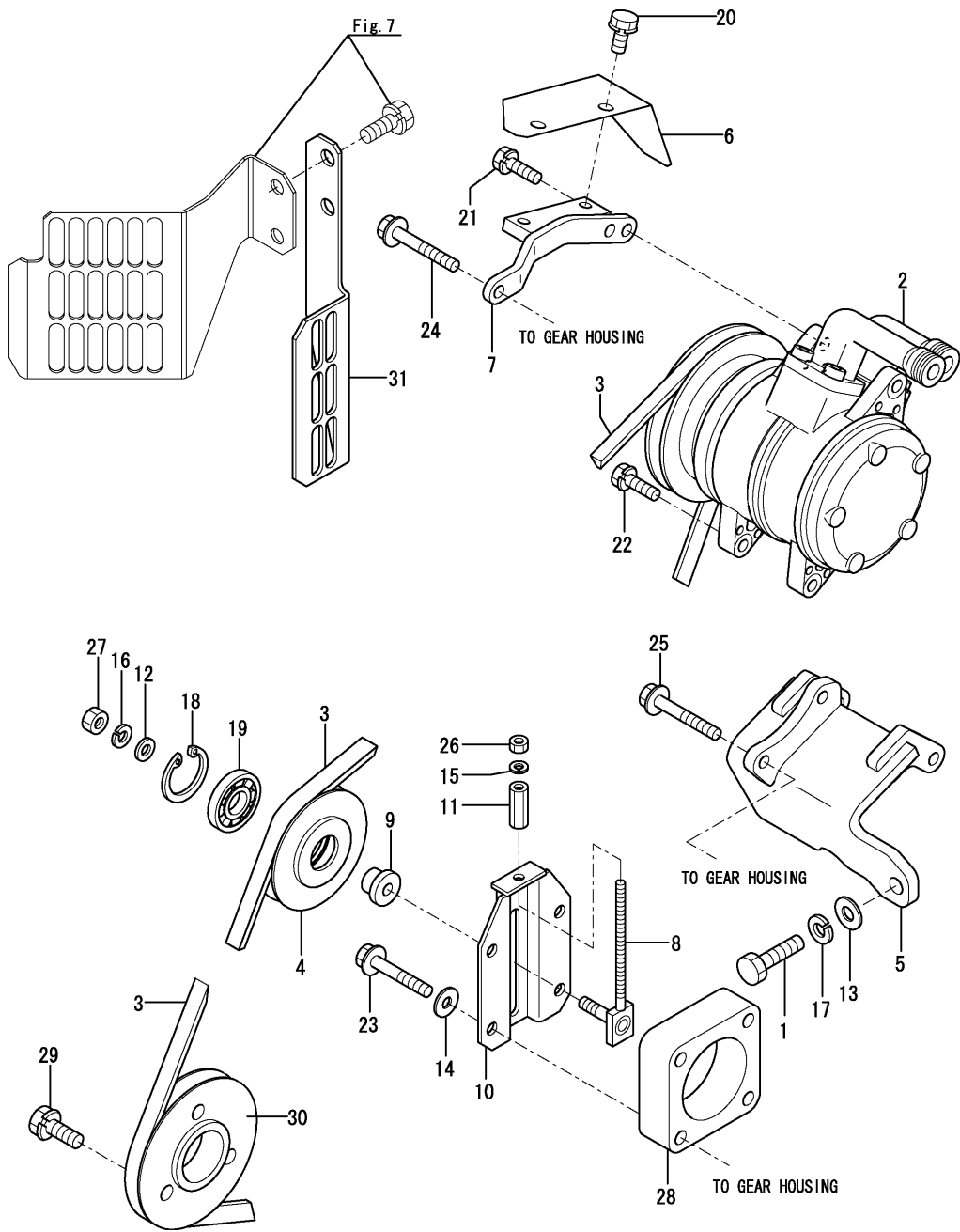
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	3	3	3	3				
2	1	172A47-17530	HOSE ASSY, HEATER	1	1	1	1				
3	1	172A47-17550	HOSE ASSY, HEATER	1	1	1	1				
4	1	172460-17611	JOINT, HEATER	1	1	1	1				
5	1	172425-17630	VALVE ASSY, HEATER	1	1	1	1				
6	1	172124-17640	JOINT, PIPE	1	1	1	1				
7	1	172458-18660	HOSE ASSY, HEATER	1	1	1	1				
8	1	172165-18770	GUIDE ASSY, HOSE	1	1	1	1				
9	1	172458-63640	SPONGE, HOSE	1	1	1					
9-1	1	172458-63641	SPONGE, HOSE	1	1	1	1			N	
		(A=M/#50876) (B=M/#50876) (C=M/#50876)									
10	1	23001-022000	CLAMP, HOSE 22	6	6	6	6				
11	1	172126-11510	BAND 300	1	1	1	1				
12	1	1A1380-59480	CLAMP, CORD	1	1	1	1			W	
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									



Fig.18. COMPRESSOR & PULLEY(AIR CON. SPEC.)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

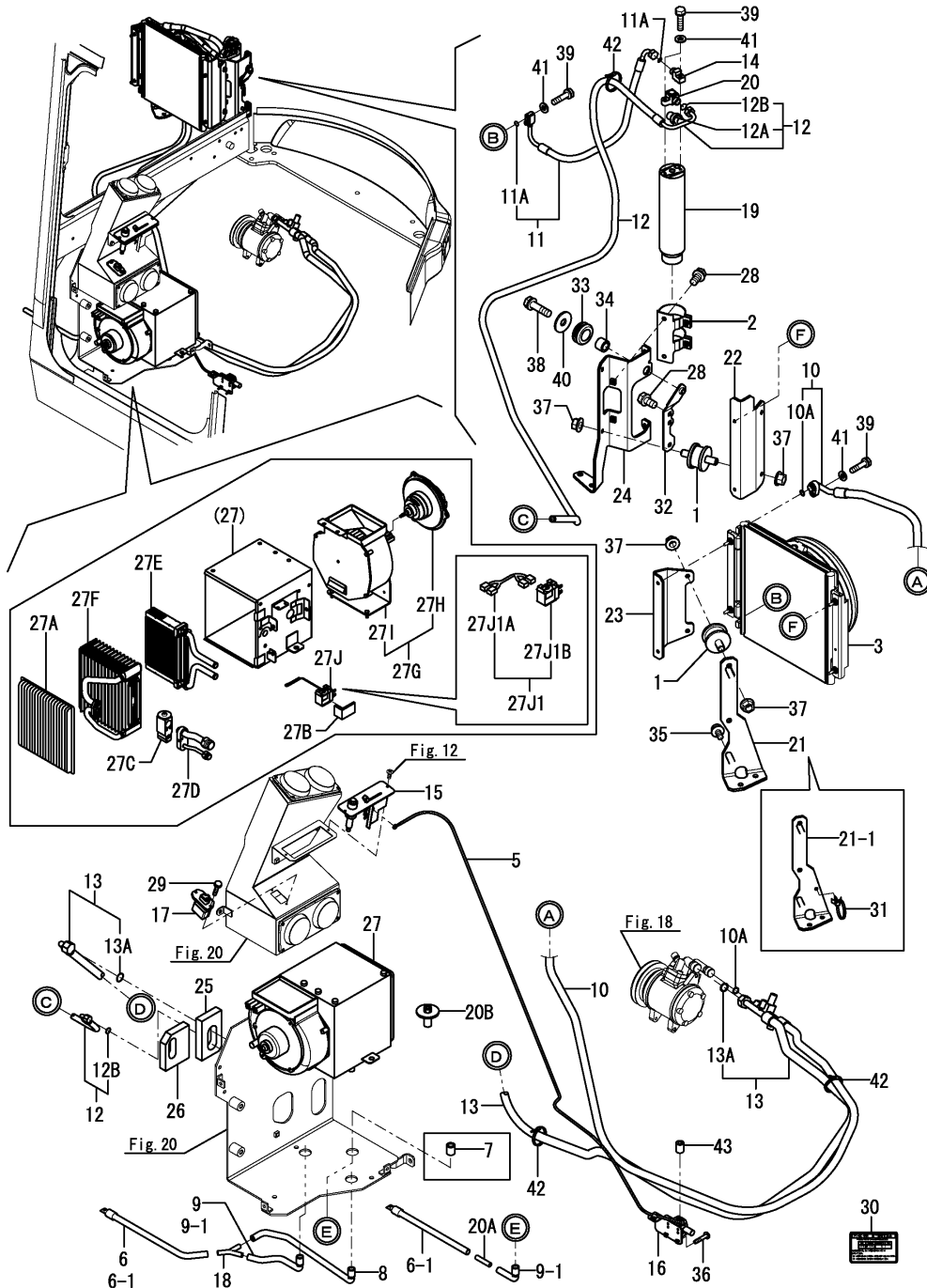
(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172155-57610	BOLT M10X45	1	1	1	1				
2	1	172460-18100	COMPRESSOR ASSY	1	1	1	1				
3	1	172460-18120	V-BELT	1	1	1	1				
4	1	172445-18131	PULLEY, TENSION (87	1	1	1	1				
5	1	172496-18300	BRACKET ASSY	1	1	1	1				
6	1	172460-18351	PLATE D	1	1	1	1				
7	1	172496-18360	PLATE ASSY, F	1	1	1	1				
8	1	172165-18630	ADJUSTER ASSY	1	1	1	1				
9	1	172165-18670	BOSS	1	1	1	1				
10	1	172165-18601	BRACKET ASSY	1	1	1	1				
11	1	172164-19310	NUT	1	1	1	1				
12	1	1A1040-43900	WASHER, SPRING	1	1	1	1				
13	1	172137-46040	SEAT, SPRING	1	1	1	1				
13-1	1	172137-46041	SEAT, SPRING	1	1	1	1				N
(A=M/#50732) (B=M/#50732) (C=M/#50732)											
13-2	1	172137-46042	SEAT, SPRING	1	1	1	1				N
(A=M/#50740) (B=M/#50740) (C=M/#50740)											
14	1	22190-080002	WASHER, SEAL 6	4	4	4	4				
15	1	22217-060000	WASHER, SPRING 6	1	1	1	1				
16	1	22217-080000	WASHER, SPRING 8	1	1	1	1				
17	1	22217-100000	WASHER, SPRING 10	1	1	1	1				
18	1	22252-000400	RING, 40	1	1	1	1				
19	1	24104-062030	BEARING, 6203UUC3	1	1	1	1				
20	1	26013-080162	BOLT, M8X 16	2	2	2	2				
21	1	26013-080252	BOLT, M8X 25	1	1	1	1				
22	1	26013-080302	BOLT, M8X 30	2	2	2	2				
23	1	26106-080502	BOLT, M8X 50 PLATED	4	4	4	4				
24	1	26106-080602	BOLT, M8X 60 PLATED	1	1	1	1				
25	1	26106-080602	BOLT, M8X 60 PLATED	2	2	2	2				
26	1	26716-060002	NUT, M6	1	1	1	1				
27	1	26716-080002	NUT, M8	1	1	1	1				
28	1	172491-18620	PLATE	1	1	1	1				
29	1	26013-100252	BOLT, M10X 25	3	3	3	3				
30	1	172A47-11200	PULLY	1	1	1	1				
31	1	172A47-13120	GUARD	1	1	1	1				W
(A=M/#50623) (B=M/#50623) (C=M/#50623)											

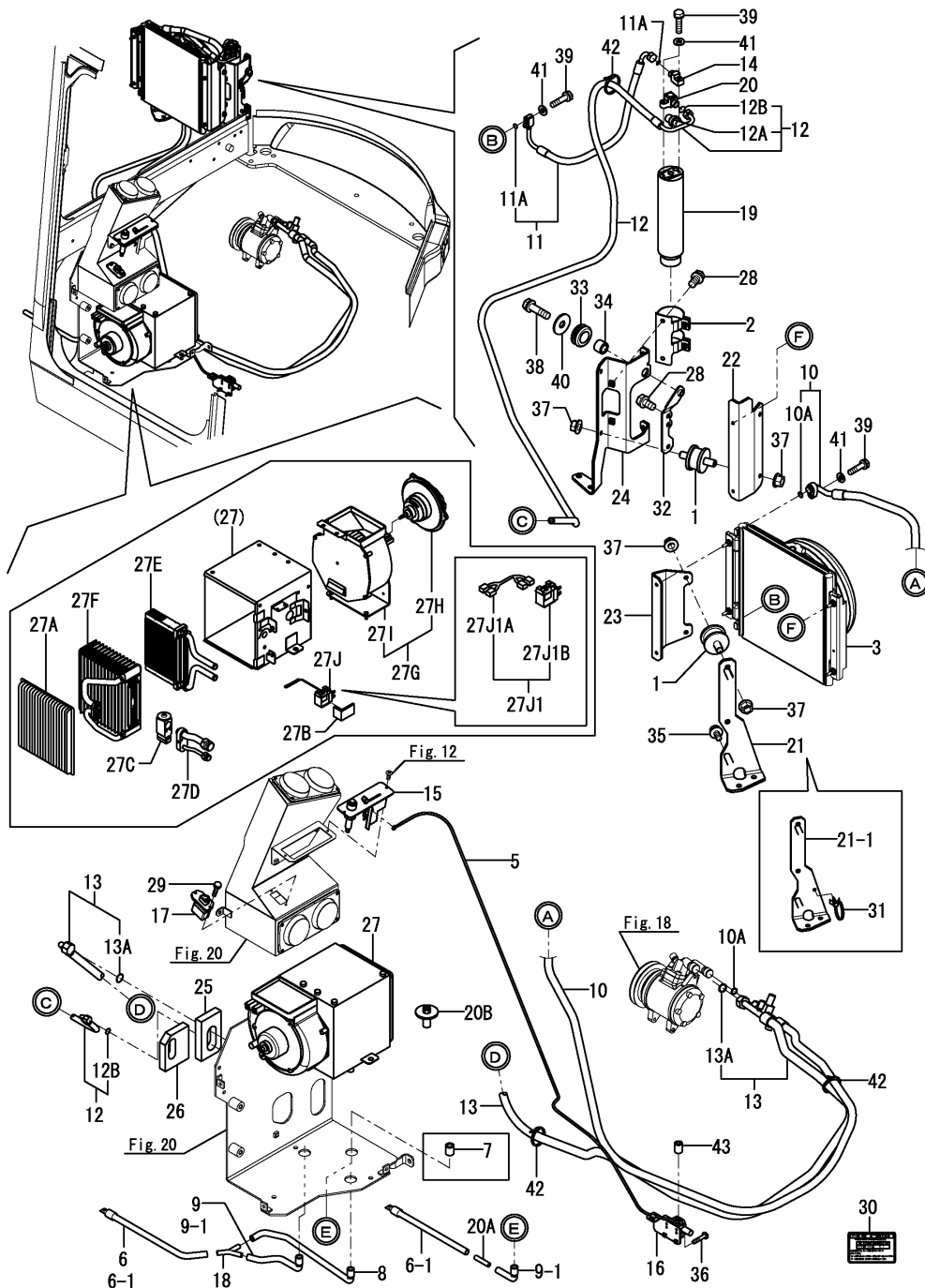
(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172447-13550	MOUNT	4	4	4	4				
2	1	172162-18040	BRACKET	1	1	1	1				
3	1	172A47-18120	CONDENSER ASSY	1	1	1	1				
5	1	172A47-18140	CABLE	1	1	1	1				
6	1	172A47-18150	DREN HOSE 830	1	1	1					
6-1	1	172A47-18150	DREN HOSE 830	2	2	2	2			K	
7	1	172460-18150	PLUG	1	1	1				Z	
8	1	172A47-18160	DREN HOSE 590	1	1	1	1				
9	1	172A47-18170	DREN HOSE 420	1	1	1					
9-1	1	172A47-18170	DREN HOSE 420	2	2	2	2			K	
10	1	172A47-18190	HOSE	1	1	1					
10-1	1	172A47-18191	HOSE	1	1	1	1			N	
10A	2	1A7030-88820	O-RING	2	2	2	2			W	
11	1	172A47-18200	HOSE	1	1	1	1				
11A	2	1A7030-88760	O-RING	2	2	2	2			W	
12	1	172A47-18210	HOSE	1	1	1	1				
12A	2	172A47-18230	SWITCH, PRESSURE	1	1	1	1			W	
12B	2	1A7030-88760	O-RING	2	2	2	2			W	
13	1	172A47-18220	HOSE	1	1	1					
13-1	1	172A47-18221	HOSE	1	1	1	1			N	
13A	2	1A7030-88840	O-RING	2	2	2	2			W	
14	1	172460-18250	CONNECTOR	1	1	1	1				
15	1	1D4220-58150	PANEL(AC CONTROL	1	1	1	1				
16	1	1E8685-79920	VALVE,WATER	1	1	1	1				
17	1	1E8685-79940	RESISTOR, 100-40	1	1	1	1				
18	1	1E8545-80030	JOINT, DRAIN	1	1	1	1				
19	1	1E8545-80210	DRIER, RECEIVER	1	1	1	1				
20	1	1E8545-80250	JOINT, RECEIVER	1	1	1	1				
20A	1	172A47-18130	CONNECTOR	1	1	1	1			W	
20B	1	172A47-18180	SCREW, TAPPING	1	1	1	1			W	
21	1	172A47-18440	BRACKET R ASSY,CON	1	1	1	1				
21-1	1	172A47-18441	BRACKET R ASSY,CON	1	1	1	1			S	
22	1	172A47-18580	BRACKET,REC	1	1	1	1				
23	1	172A47-18590	BRACKET,COND	1	1	1	1				
23-1	1	172A47-18591	BRACKET,COND	1	1	1	1			N	
24	1	172A47-18870	BRACKET L ASSY,COND	1	1	1	1				
24-1	1	172A47-18871	BRACKET L ASSY,COND	1	1	1	1			N	

N:Old  $\xrightarrow{\text{Yes}}$  New, Q:Old  $\xrightarrow{\text{No}}$  New, R:Old  $\xrightarrow{\text{Yes}}$  New, S:Old  $\xrightarrow{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
 ++ CONTINUE ++  
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(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

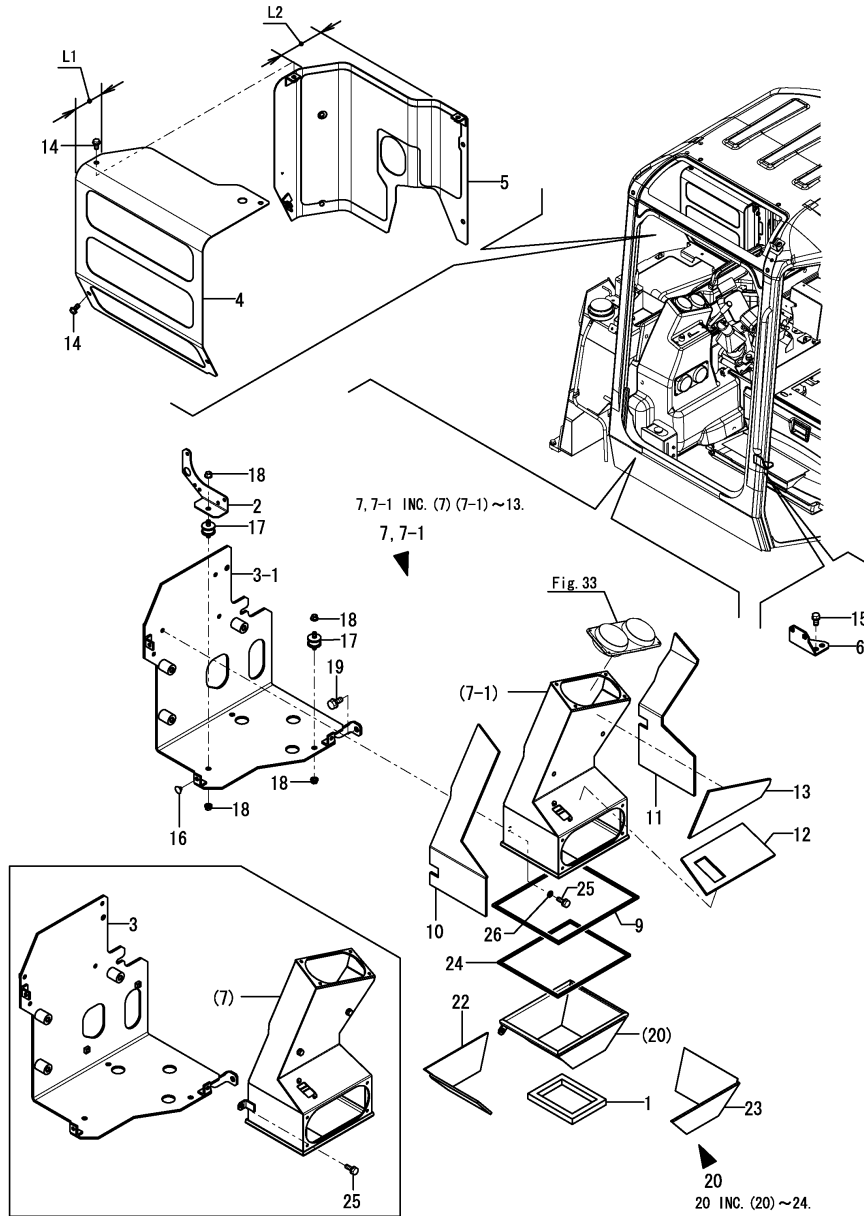
(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
25	1	172A47-19380	SPONGE	1	1	1	1				
25-1	1	172A47-19381	SPONGE	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
26	1	172A47-19390	SPONGE	1	1	1	1				
26-1	1	172A47-19391	SPONGE	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
27	1	1E9110-79610	AIR CON, UNIT ASY	1	1	1	1				
27-1	1	1E9110-79611	CONDITIONER ASSY,AIR	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
27A	2	1E9110-79680	FILTER	1	1	1	1				
27B	2	1E9110-80100	GASKET	1	1	1	1				
27C	2	1E9110-80130	VALVE, EXPANSION	1	1	1	1				
27D	2	1E9110-80140	TUBE ASSY	1	1	1	1				
27E	2	1E9110-80150	CORE, HEATER	1	1	1	1				
27F	2	1E9110-80160	EVAPORATOR	1	1	1	1				
27G	2	1E9110-80170	BLOWER ASSY	1	1	1	1				
27H	3	1E9110-80110	MOTOR	1	1	1	1				
27I	3	1E9110-80180	FAN, BLOWER	1	1	1	1				
27J	2	1A7030-88100	THERMOSTAT ASSY	1	1	1	1				
27J1	2	1A7030-87090	THERMOSTAT KIT	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
27J1A	3	1A7951-51300	CABLE, THERMOSTAT	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
27J1B	3	1A7030-88101	THERMOSTAT ASSY	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
28	1	26013-080162	BOLT, M8X 16	4	4	4	4				
29	1	26033-040202	SCREW, M4X20	2	2	2	2				
30	1	172A47-03900	LABEL,FRONGASS	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
31	1	1E8915-84120	CLAMP, BAND	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
32	1	172A47-18840	STAY ASSY	1	1	1					
32-1	1	172A47-18841	STAY ASSY	1	1	1	1				R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
33	1	172725-16380	GROMMET	1	1	1	1				
34	1	172643-41140	COLLAR	1	1	1					
34-1	1	172A47-18570	COLLAR	1	1	1	1				N
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
35	1	172519-63240	BOLT	2	2	2	2				
36	1	26033-040202	SCREW, M4X20	2	2	2	2				
37	1	26051-080002	NUT, M8	8	8	8	8				
38	1	26013-080302	BOLT, M8X 30	1	1	1	1				
39	1	26013-060252	BOLT, M6X 25	4	4	4	4				
40	1	22157-080000	WASHER, 8	1	1	1	1				
41	1	22137-060000	WASHER, 6	4	4	4	4				
42	1	172126-11510	BAND 300	3	3	3	3				
43	1	172A47-18300	BUSH	1	1	1	1				W
		(A=M50790) (B=M50790) (C=M50790) (D=M50790)									

Fig.20. COVER(AIR CON. SPEC.)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

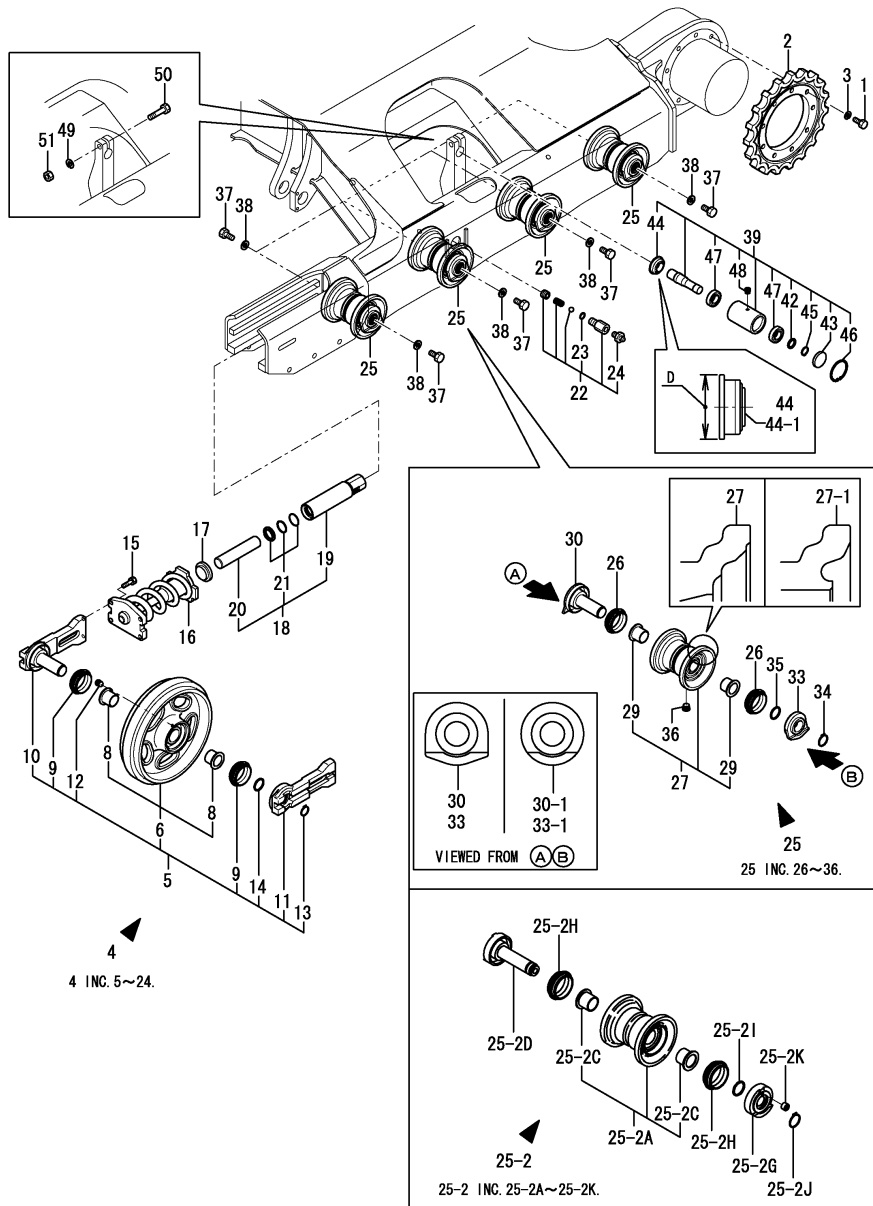


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172499-13750	SEAL, DUCT	1	1	1	1				
2	1	172A47-18340	BRACKET,UNIT	1	1	1	1				
3	1	172A47-18350	BRACKET ASSY, UNIT	1	1	1					
3-1	1	172A47-18351-1 (A=M/#50530) (B=M/#50530) (C=M/#50530)	BRACKET ASSY, UNIT	1	1	1	1				S
4	1	172A47-18470	COVER ASSY	1	1	1	1				1
4-1	1	172A47-18471 (A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	COVER ASSY	1	1	1	1				S 1
5	1	172A47-18500	COVER ASSY	1	1	1	1				2
5-1	1	172A78-18501 (A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	COVER ASSY	1	1	1	1				S 2
6	1	172A47-18730	BRACKET,WV	1	1	1	1				
7	1	172A47-18260	DUCT ASSY	1	1	1					
7-1	1	172A47-18261 (A=M/#50530) (B=M/#50530) (C=M/#50530)	DUCT ASSY	1	1	1	1				S
9	2	172519-61550	CUSHION, BONNET	1	1	1	1				
10	2	172A47-19330	SHEET, INSULATOR	1	1	1	1				
11	2	172A47-19340	SHEET, INSULATOR	1	1	1	1				
12	2	172A47-19350	SHEET, INSULATOR	1	1	1	1				
13	2	172A47-19360	SHEET, INSULATOR	1	1	1	1				
14	1	172519-63240	BOLT	6	6	6	6				
15	1	26013-100202	BOLT, M10X 20	2	2	2	2				
16	1	1A6260-64200	CLIP	2	2	2	2				
17	1	172447-13550	MOUNT	3	3	3	3				
18	1	26051-080002	NUT, M8	6	6	6	6				
19	1	26013-100202	BOLT, M10X 20	4	4	4	4				
20	1	172A47-18600	DUCT ASSY	1	1	1	1				
22	2	172A47-19310	SHEET, INSULATOR	1	1	1	1				
23	2	172A47-19320	SHEET, INSULATOR	1	1	1	1				
24	2	172519-61550	CUSHION, BONNET	1	1	1	1				
25	1	26013-080252	BOLT, M8X 25	2	2	2	2				
26	1	22137-080000 (A=M/#50530) (B=M/#50530) (C=M/#50530)	WASHER, 8	2	2	2	2				W

Remarks

- (1)L1=REF.NO.4:83MM,NO.4-1:93MM.
- (2)L2=REF.NO.5:137MM,NO.5-1:127MM.

Fig.21. ROLLER & ADJUST



(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

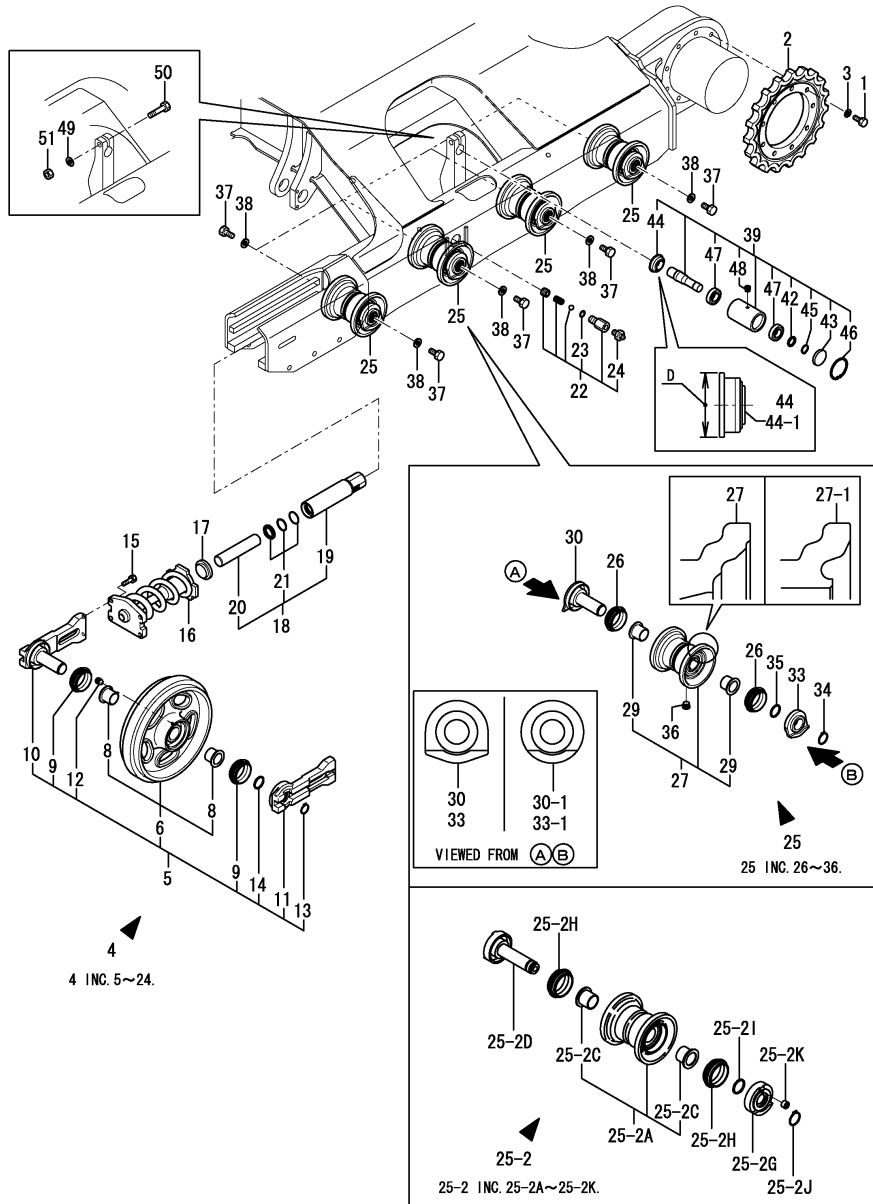
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172455-29140	BOLT	18	18	18	18				
2	1	172119-35011-1	SPROCKET	2	2	2	2				
2-1	1	172119-35012	SPROCKET, 19	2	2	2	2				N
3	1	(A=*2010.03.) (B=*2010.03.) (C=*2010.03.) (D=*2010.03.) 22217-140000	WASHER, SPRING 14	18	18	18	18				
4	1	772460-37120	IDLER ASSY, IRON	2	2	2	2				
5	2	172460-37061	IDLER ASSY, FRONT	2	2	2	2				
5-1	2	172460-37062	IDLER ASSY, FRONT	2	2	2	2				N
6	3	(A=*2010.10.) (B=*2010.10.) (C=*2010.10.) (D=*2010.10.) 172460-37171	IDLER, 340	2	2	2	2				
6-1	3	172460-37172	IDLER ASSY	2	2	2	2				N
8	4	172124-37120	BUSH, ROLLER	4	4	4	4				
9	3	172460-37120	SEAL, FLOATING	4	4	4	4				
10	3	172460-37130-3	SHAFT, IDLER	2	2	2	2				
10-1	3	172460-37131-3	SHAFT, IDLER	2	2	2	2				N
11	3	(A=*2010.10.) (B=*2010.10.) (C=*2010.10.) (D=*2010.10.) 172460-37150-3	COVER, IDLER SEAL	2	2	2	2				
11-1	3	172460-37151	COVER, IDLER SEAL	2	2	2	2				N
12	3	(A=*2010.10.) (B=*2010.10.) (C=*2010.10.) (D=*2010.10.) 194630-42120	PLUG, PT1/8	2	2	2	2				
13	3	22242-000350	RING, 35	2	2	2	2				
14	3	24321-000400	O-RING, 1AG40.0	2	2	2	2				
15	2	26013-120402	BOLT, SPRING M12X 40	8	8	8	8				
16	2	172460-37700	SPRING ASSY, CRAWLER	2	2	2	2				
17	2	172122-37710-4	HOLDER, ADJUSTER	2	2	2	2				
18	2	172122-37752	CYLINDER ASSY	2	2	2	2				
19	3	172122-37782	TUBE ASSY, ADJUST	2	2	2	2				
20	3	172122-37810	PISTON	2	2	2	2				
21	3	172122-37820	SEAL SET, ADJUST	2	2	2	2				
22	2	172122-37844	VALVE ASSY, NIPPLE	2	2	2	2				
23	3	24315-000140	O-RING, 1BP14.0	2	2	2	2				
24	3	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				
25	1	172460-37290	ROLLER, TRUCK	8	8	8	8				
25-1	1	172460-37291	ROLLER ASSY, TRUCK	8	8	8	8				N
25-2	1	(A=*2010.01.) (B=*2010.01.) (C=*2010.01.) (D=*2010.01.) 172A81-37300	ROLLER ASSY, LOWER	8	8	8	8				R 2
25-2A	2	(A=*2014.02.) (B=*2014.02.) (C=*2014.02.) (D=*2014.02.) 172A81-37310	ROLLER ASSY, LOWER	8	8	8	8				
25-2C	3	172A81-37330	BUSH	16	16	16	16				
25-2D	2	172A81-37340	SHAFT ASSY	8	8	8	8				
25-2G	2	172A81-37370	COVER, SEAL R	8	8	8	8				
25-2H	2	172A81-37380	SEAL, FLOATING	16	16	16	16				
25-2I	2	172A81-37390	SEAL, O RING	8	8	8	8				
25-2J	2	172A81-37400	RING, SNAP	8	8	8	8				
25-2K	2	172A81-37410	PLUG	8	8	8	8				
26	2	172458-37120	SEAL, FLOATING	16	16	16	16				
27	2	172423-37301-4	ROLLER ASSY	8	8	8	8				
27-1	2	172423-37302	ROLLER ASSY	8	8	8	8				S
29	3	(A=*2010.01.) (B=*2010.01.) (C=*2010.01.) (D=*2010.01.) 172423-37370	BUSH	16	16	16	16				

Remarks  
(1)D=No.44 : 71mm, No.44-1 : 80mm.  
(2)The inner parts are not compatible.

Fig.21. ROLLER & ADJUST

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
30	2	172423-37330-3	SHAFT, ROLLER	8	8	8	8				
30-1	2	172423-37331	SHAFT ASSY, ROLLER	8	8	8	8				S
		(A=*2010.01.) (B=*2010.01.) (C=*2010.01.) (D=*2010.01.)									
33	2	172423-37360-3	COVER, ROLLER SEAL	8	8	8	8				
33-1	2	172423-37361	COVER, ROLLER SEAL	8	8	8	8				S
		(A=*2010.01.) (B=*2010.01.) (C=*2010.01.) (D=*2010.01.)									
34	2	22242-000300	RING, 30	8	8	8	8				
35	2	24315-000290	O-RING, 1BP29.0	8	8	8	8				
36	2	933171-13691	PLUG	8	8	8	8				
37	1	172490-37320	BOLT	16	16	16	16				
38	1	22217-160000	WASHER, SPRING 16	16	16	16	16				
39	1	172478-37500-3	ROLLER ASSY, CARRIER	2	2	2	2				
39-1	1	172478-37501	ROLLER ASSY, CARRIER	2	2	2	2				N
		(A=*2010.08.) (B=*2010.08.) (C=*2010.08.) (D=*2010.08.)									
42	2	172478-37550	WASHER, CARRIER	2	2	2	2				
43	2	172478-37540	CAP, ROLLER	2	2	2	2				
44	2	172478-37530	SEAL, CARRIER ROLLER	2	2	2	2				
44-1	2	172164-37351	SEAL, OIL	2	2	2	2				S 1
		(A=*2010.08.) (B=*2010.08.) (C=*2010.08.) (D=*2010.08.)									
45	2	22242-000300	RING, 30	2	2	2	2				
46	2	22252-000621	RING, 62	2	2	2	2				
47	2	24105-062064	BEARING, BALL 6206Z	4	4	4	4				
48	2	933171-13691	PLUG	2	2	2	2				
49	1	22217-160000	WASHER, SPRING 16	2	2	2	2				
50	1	26116-160852	BOLT, M16X 85 PLATED	2	2	2	2				
51	1	26716-160002	NUT, M16	2	2	2	2				

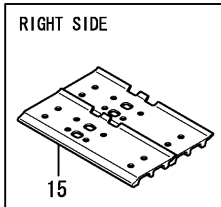
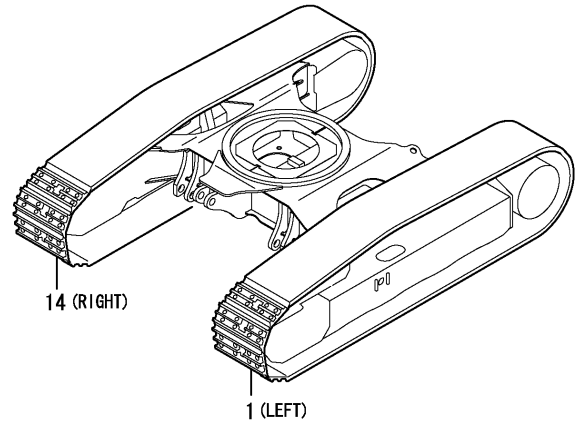
Remarks

- (1)D=No.44 : 71mm, No.44-1 : 80mm.
- (2)The inner parts are not compatible.

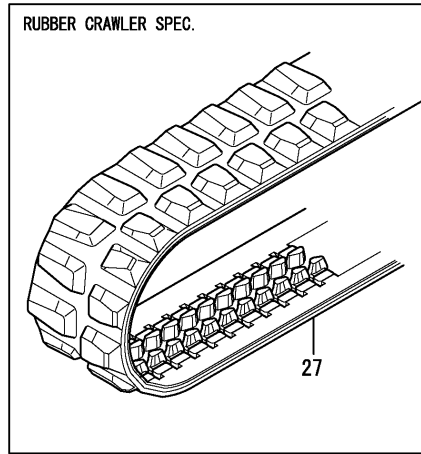
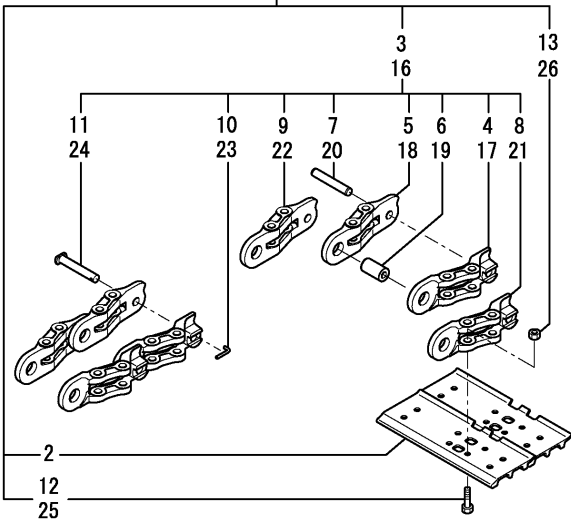
Fig.22. CRAWLER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



1 (LEFT)  
 14 (RIGHT)



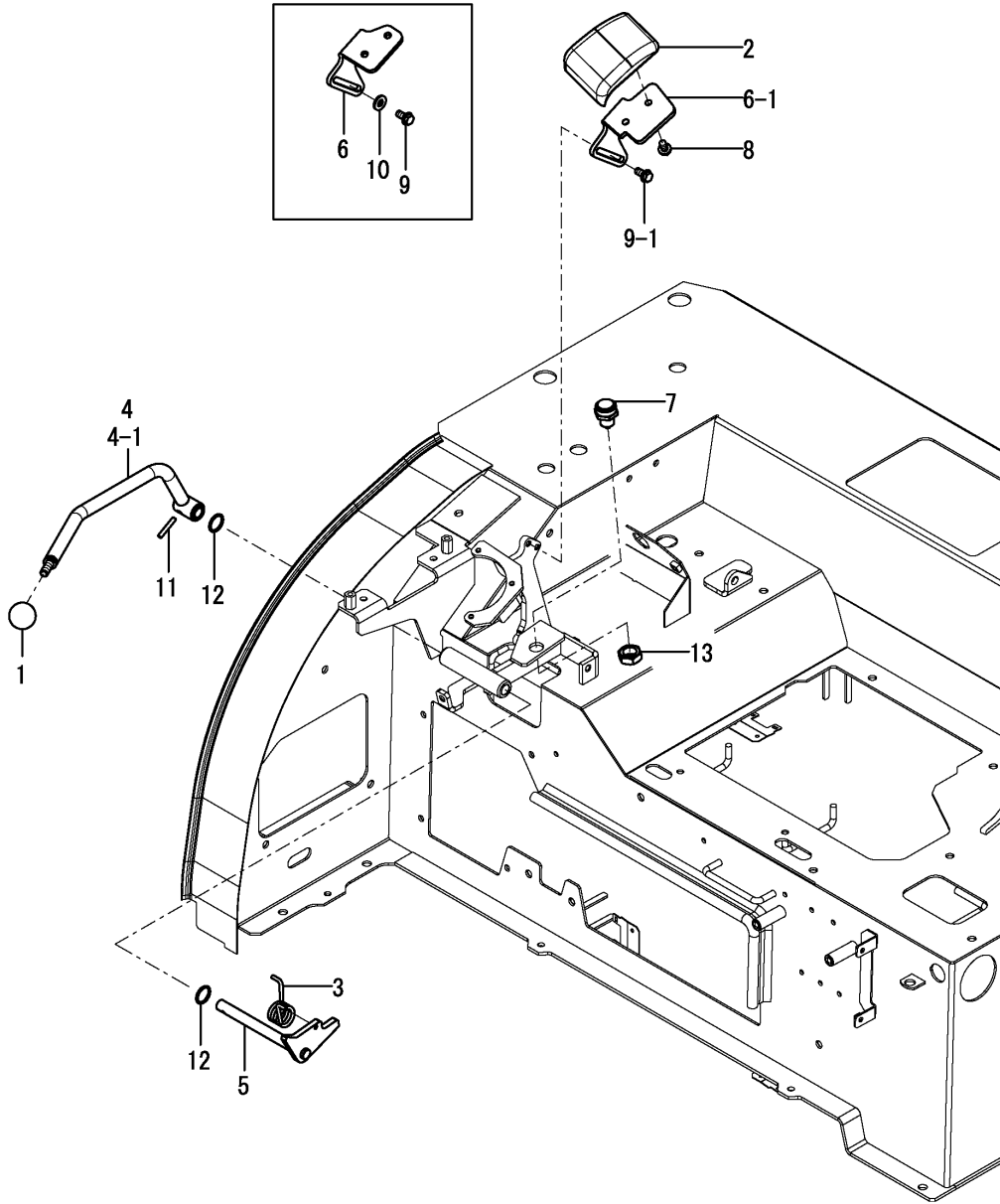
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172460-38400	SHOE ASSY, TRACK	1	1	1	1				
2	2	172460-38410	PLATE, SHOE 350L	40	40	40	40				
3	2	172460-38450	LINK ASSY	1	1	1	1				
4	3	172460-38460	LINK(L),TRACK	39	39	39	39				
5	3	172460-38470	LINK(R),TRACK	39	39	39	39				
6	3	172460-38520	BUSH	40	40	40	40				
7	3	172460-38500	PIN,TRACK	39	39	39	39				
8	3	172460-38480	LINK(L),MASTER	1	1	1	1				
9	3	172460-38490	LINK(R),MASTER	1	1	1	1				
10	3	172460-38530	PIN5X45,LOCK	1	1	1	1				
11	3	172460-38510	PIN,MASTER	1	1	1	1				
12	2	172460-38550	BOLT, SHOE	160	160	160	160				
13	2	172460-38560	NUT, SHOE	160	160	160	160				
14	1	172460-38420	SHOE ASSY, TRACK	1	1	1	1				
15	2	172460-38430	PLATE, SHOE 350R	40	40	40	40				
16	2	172460-38450	LINK ASSY	1	1	1	1				
17	3	172460-38460	LINK(L),TRACK	39	39	39	39				
18	3	172460-38470	LINK(R),TRACK	39	39	39	39				
19	3	172460-38520	BUSH	40	40	40	40				
20	3	172460-38500	PIN,TRACK	39	39	39	39				
21	3	172460-38480	LINK(L),MASTER	1	1	1	1				
22	3	172460-38490	LINK(R),MASTER	1	1	1	1				
23	3	172460-38530	PIN5X45,LOCK	1	1	1	1				
24	3	172460-38510	PIN,MASTER	1	1	1	1				
25	2	172460-38550	BOLT, SHOE	160	160	160	160				
26	2	172460-38560	NUT, SHOE	160	160	160	160				
27	1	172423-38603	CRAWLER, RUBBER 350	2	2	2	2				1

Remarks  
 (1)RUBBER CRAWLER SPEC.

Fig.23. LOCK LEVER & STAND(RIGHT)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



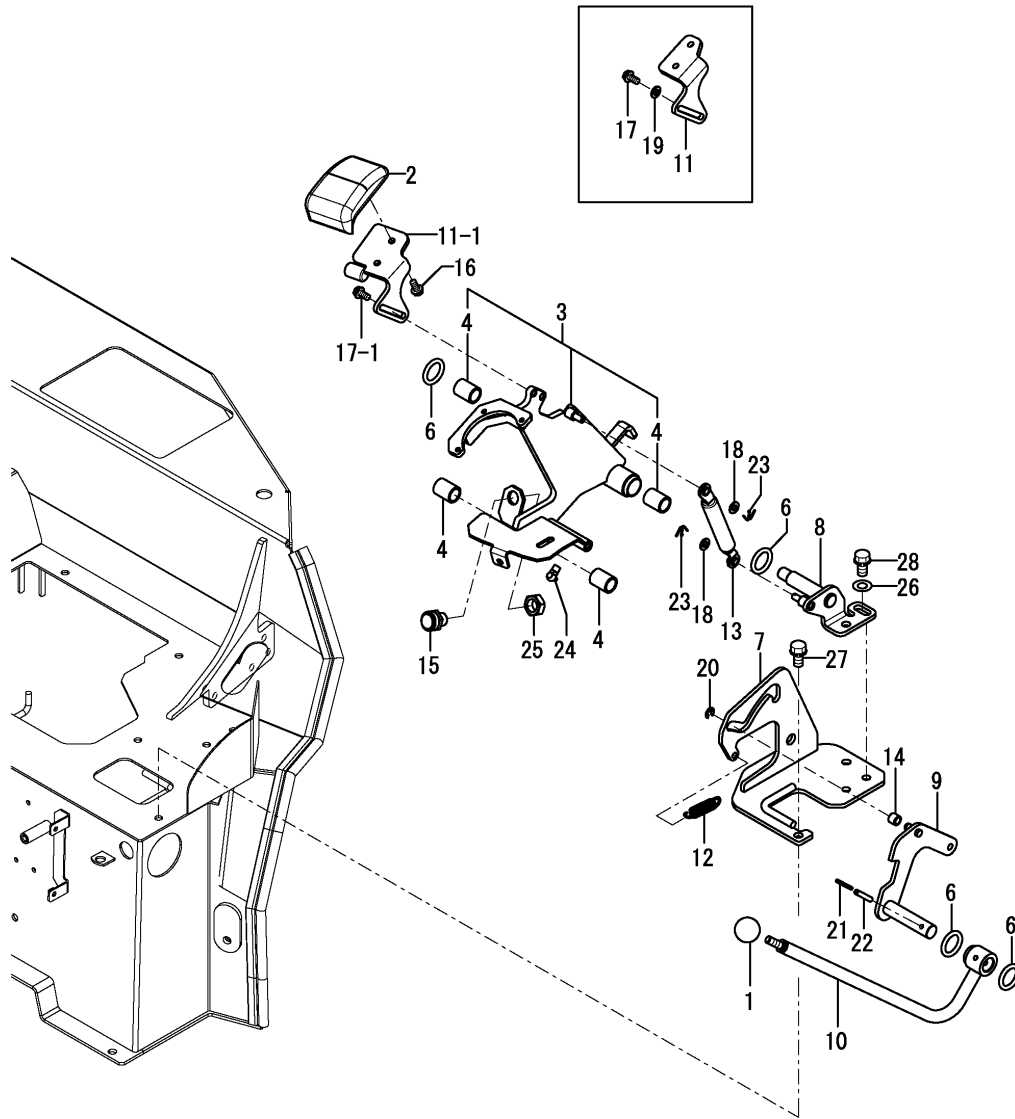
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP	1	1	1	1				
2	1	172441-44320	ARMREST	1	1	1	1				
3	1	172165-45970	SPRING	1	1	1	1				
4	1	172A47-46450	LEVER ASSY, LOCK	1	1	1					
4-1	1	172A47-46451	LEVER ASSY, LOCK	1	1	1	1				N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
5	1	172A47-46470	SHAFT ASSY, LEVER	1	1	1	1				
5-1	1	172A47-46471	SHAFT ASSY, LEVER	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
6	1	172A47-46520	PLATE, GUIDE	1	1	1					
6-1	1	172A46-46530	PLATE, GUIDE	1	1	1	1				N
		(A=M/#50770) (B=M/#50770) (C=M/#50770)									
7	1	194464-52190	SWITCH, SAFETY START	1	1	1	1				
8	1	172519-63240	BOLT	2	2	2	2				
9	1	172165-66980	BOLT	2	2	2					
9-1	1	172519-63240	BOLT	2	2	2	2				N
		(A=M/#50770) (B=M/#50770) (C=M/#50770)									
10	1	22137-080000	WASHER, 8	2	2	2					Z
		(A=M/#50770) (B=M/#50770) (C=M/#50770)									
11	1	22351-050032	PIN, SPRING 5.0X32	1	1	1	1				
12	1	24311-000210	O-RING, 1AP21.0	2	2	2	2				
13	1	26776-180002	NUT, LOCK M18	1	1	1	1				



Fig.24. LOCK LEVER & STAND(LEFT)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP	1	1	1	1				
2	1	172441-44320	ARMREST	1	1	1	1				
3	1	172A47-46100	STAND ASSY, LEVER	1	1	1	1				
4	2	172141-41370	BUSH 2015	4	4	4	4				
6	1	172124-46200	O-RING	4	4	4	4				
7	1	172A47-46210	BASE ASSY,LEVER L	1	1	1	1				
8	1	172A47-46230	PLATE ASSY, BASE	1	1	1	1				
9	1	172A47-46310	ROD ASSY, SPRING	1	1	1	1				
10	1	172A47-46340	LEVER ASSY, LOCK	1	1	1					1
10-1	1	172A47-46341	LEVER ASSY, LOCK	1	1	1					N 1
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
10-2	1	172A47-46342	LEVER ASSY, LOCK	1	1	1					N 1
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
10-3	1	172A47-46343	LEVER ASSY, LOCK	1	1	1	1				N 1
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
10A	1	172183-03280	LABEL, LOCK	1	1	1	1				2
11	1	172A47-46510	PLATE, GUIDE	1	1	1					
11-1	1	172A46-46500	GUIDE ASSY	1	1	1	1				N
		(A=M/#50770) (B=M/#50770) (C=M/#50770)									
12	1	172162-46690	SPRING	1	1	1	1				
12-1	1	172A69-46270	SPRING	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
13	1	172455-46890	SPRING, GAS	1	1	1	1				
14	1	172165-47550	BUSH	1	1	1	1				
15	1	194464-52190	SWITCH, SAFETY START	1	1	1	1				
16	1	172519-63240	BOLT	2	2	2	2				
17	1	172165-66980	BOLT	2	2	2					
17-1	1	172519-63240	BOLT	2	2	2	2				N
		(A=M/#50770) (B=M/#50770) (C=M/#50770)									
18	1	22137-080000	WASHER, 8	2	2	2	2				
19	1	22137-080000	WASHER, 8	2	2	2	2				Z
		(A=M50770) (B=M50770) (C=M50770) (D=M50770)									
20	1	22272-000070	RING, E- 7	1	1	1	1				
21	1	22351-035040	PIN, SPRING 3.5X40	1	1	1	1				
22	1	22351-060040	PIN, SPRING 6.0X40	1	1	1	1				
23	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2				
24	1	24761-050000	NIPPLE, GREASE C	1	1	1	1				
25	1	26776-180002	NUT, LOCK M18	1	1	1	1				
26	1	22137-100000	WASHER, 10	2	2	2	2				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
27	1	26013-100202	BOLT, M10X 20	3	3	3	3				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
28	1	26013-100252	BOLT, M10X 25	2	2	2	2				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									

Remarks

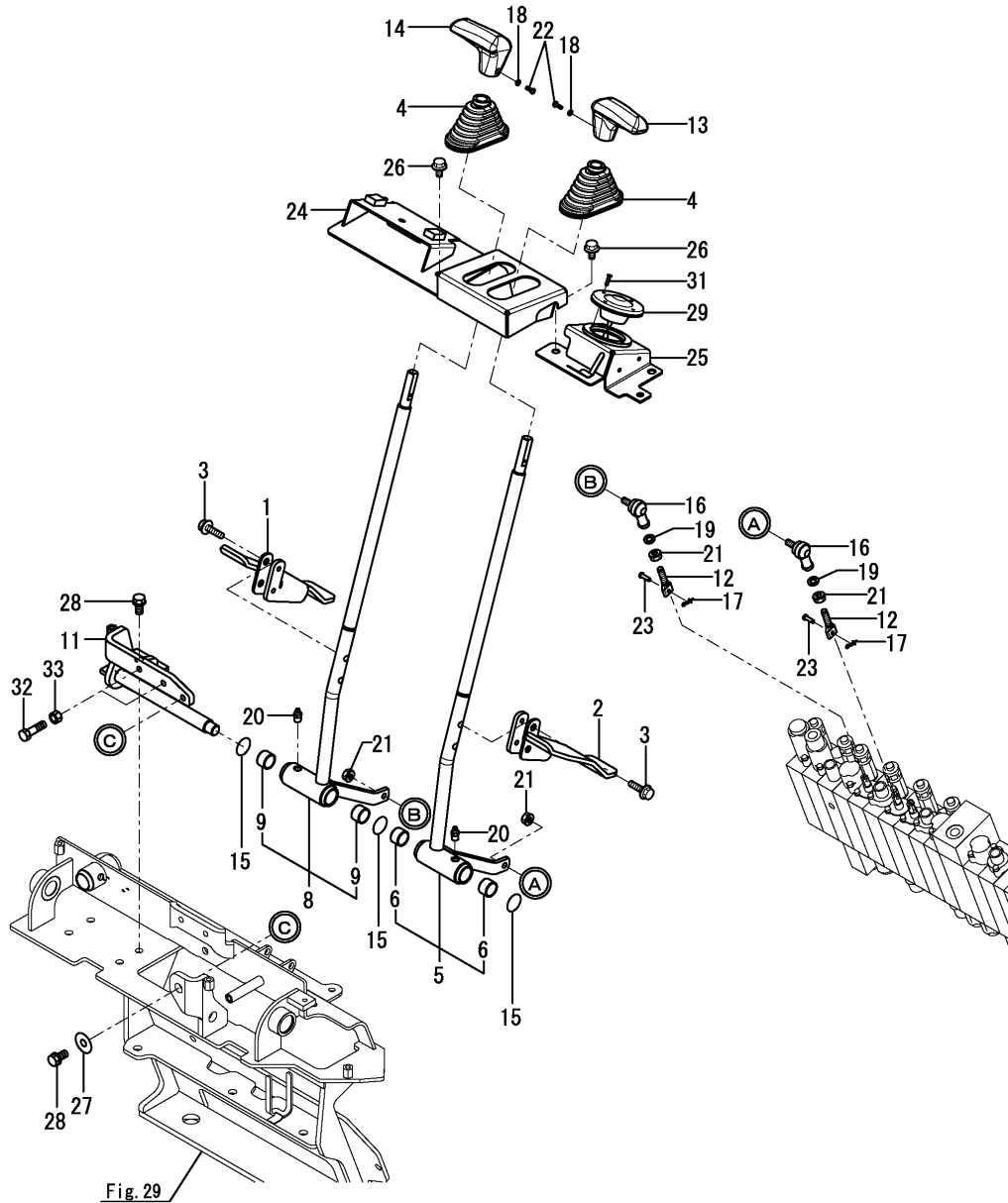
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.10A.

(2)LABELS ARE NOT ILLUSTRATED.

Fig.25. TRAVEL LEVER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

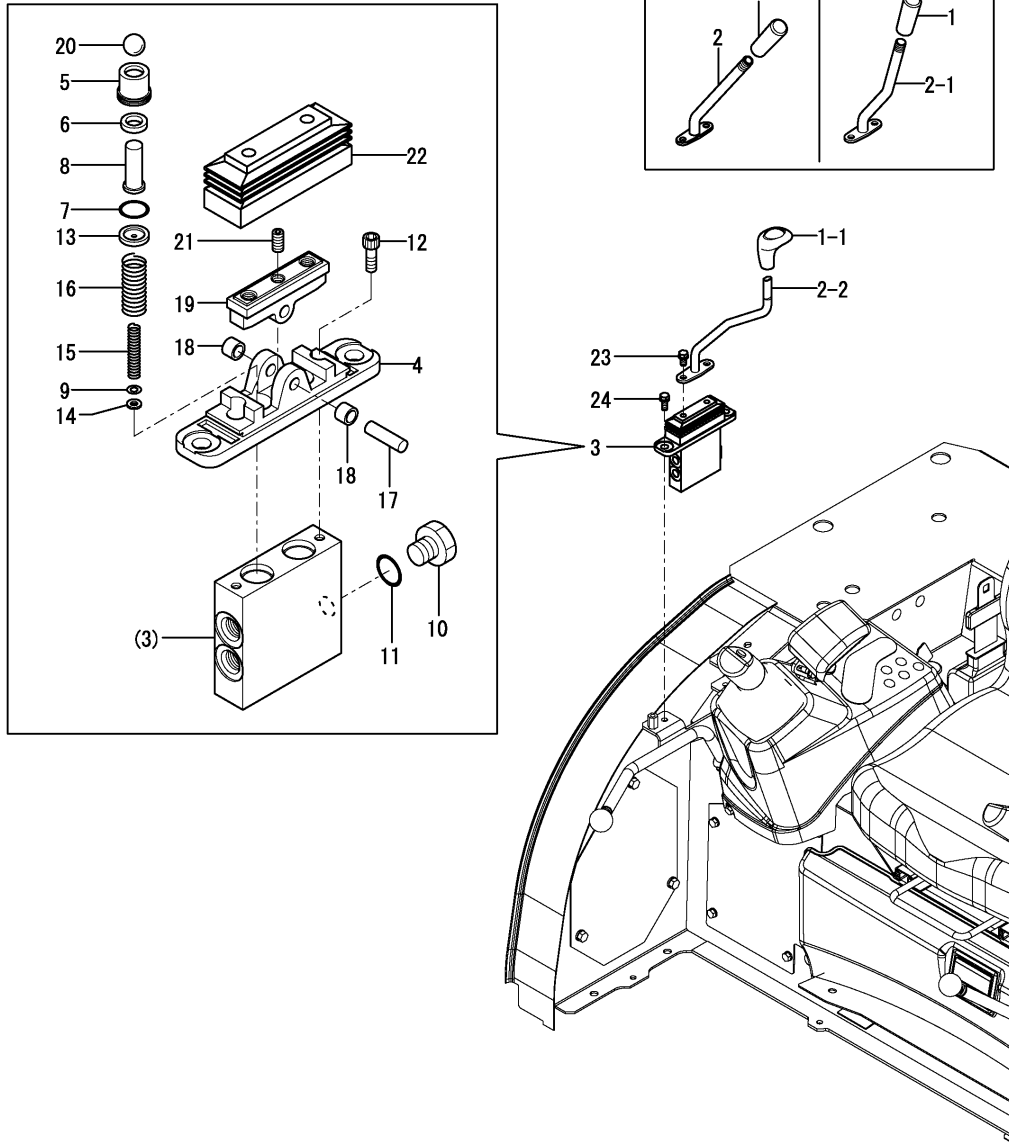


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-44200	PEDAL, TRACK	1	1	1	1				
2	1	172A47-44230	PEDAL, TRACK	1	1	1	1				
3	1	26106-080302	BOLT, M8X 30 PLATED	4	4	4	4				
4	1	172141-41340	BOOTS	2	2	2	2				
5	1	172A47-45100	LEVER, TRACK	1	1	1	1				
6	2	172141-41370	BUSH 2015	2	2	2	2				
8	1	172A47-45150	LEVER, TRACK	1	1	1	1				
9	2	172141-41370	BUSH 2015	2	2	2	2				
11	1	172A47-45450	BRACKET, TRACK	1	1	1	1				
12	1	172146-45691	ROD(C), SPOOL	2	2	2	2				
13	1	172187-45870	GRIP, DRIVE	1	1	1	1				
14	1	172187-45880	GRIP, DRIVE	1	1	1	1				
15	1	172124-46200	O-RING	3	3	3	3				
16	1	172122-46590	ELBOW	2	2	2	2				
17	1	1C6281-52310	PIN, SNAP 6	2	2	2	2				
18	1	22117-040000	WASHER, 4	2	2	2	2				
19	1	22117-080000	WASHER, 8	2	2	2	2				
20	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				
21	1	26051-080002	NUT, M8	4	4	4	4				
22	1	26587-040122	SCREW, M4X12	2	2	2	2				
23	1	933110-54100	PIN 4.75X14	2	2	2	2				
24	1	172A47-62200	STEP ASSY, CONTROL	1	1	1	1				
24-1	1	172A47-62201	STEP ASSY, CONTROL	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
25	1	172A47-62350	STEP ASSY, CONTROL	1	1	1	1				
26	1	26106-080162	BOLT, M8X 16 PLATED	5	5	5	5				
27	1	22157-100000	WASHER, 10	1	1	1	1				
28	1	26013-100252	BOLT, M10X 25	3	3	3	3				
29	1	172A47-17300	SWITCH ASSY, PTO	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
29-1	1	172A46-17300-1	SWITCH ASSY, PTO	1	1	1	1				R
		(A=M50779) (B=M50779) (C=M50779) (D=M50779)									
31	1	26577-040162	SCREW, M4X16	2	2	2	2				W
		(A=M50779) (B=M50779) (C=M50779) (D=M50779)									
31-1	1	22869-400160	SCREW, 4X16	4	4	4	4				N
		(A=M50835) (B=M50835) (C=M50835) (D=M50835)									
32	1	26116-100354	BOLT, M10X 35 PLATED	2	2	2	2				
33	1	26716-100002	NUT, M10	2	2	2	2				

Fig.26. BLADE LEVER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

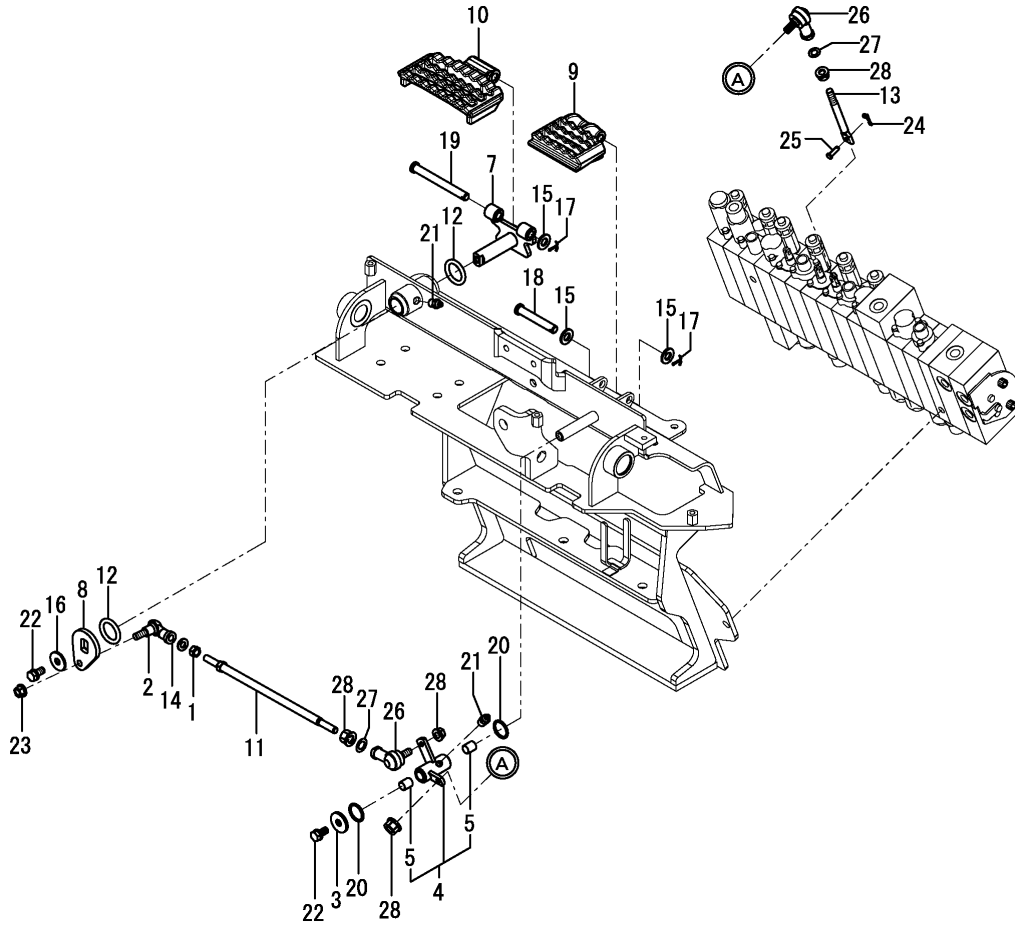


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172964-12140	GRIP	1	1	1					
1-1	1	172164-45970	GRIP, BLADE	1	1	1	1				S
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
2	1	172A47-45350	LEVER ASSY, BLADE	1	1	1					
2-1	1	172A47-45351	LEVER, BLADE	1	1	1					S
		(A=M/#50623) (B=M/#50623) (C=M/#50623)									
2-2	1	172A46-45350	LEVER, BLADE	1	1	1	1				S
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
3	1	172A47-74700	VALVE ASSY, BLADE	1	1	1	1				
4	2	172A47-74710	COVER	1	1	1	1				
5	2	172A47-74720	PLUG	2	2	2	2				
6	2	172A47-74730	PACKING	2	2	2	2				
7	2	172A47-74740	O-RING	2	2	2	2				
8	2	172A47-74750	ROD, PUSH	2	2	2	2				
9	2	172A47-74760	SHIM	2	2	2	2				
10	2	172A47-74770	RO PLUG	1	1	1	1				
11	2	172A47-74780	O-RING	1	1	1	1				
12	2	172A47-74790	SCREW, HEX.S.H.C	2	2	2	2				
13	2	172A47-74800	SEAT, SPRING	2	2	2	2				
14	2	172A47-74810	WASHER	2	2	2	2				
15	2	172A47-74820	SPRING	2	2	2	2				
16	2	172A47-74830	SPRING	2	2	2	2				
17	2	172A47-74840	SHAFT, CAM	1	1	1	1				
18	2	172A47-74850	BUSH	2	2	2	2				
19	2	172A47-74860	CAM	1	1	1	1				
20	2	172A47-74870	BALL, STEEL	2	2	2	2				
21	2	172A47-74880	SCREW, SETTING	1	1	1	1				
22	2	172A47-74890	BELLOWS	1	1	1	1				
23	1	26013-080162	BOLT, M8X 16	2	2	2	2				
24	1	26013-080202	BOLT, M8X 20	2	2	2	2				

Fig.27. SWING PEDAL

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

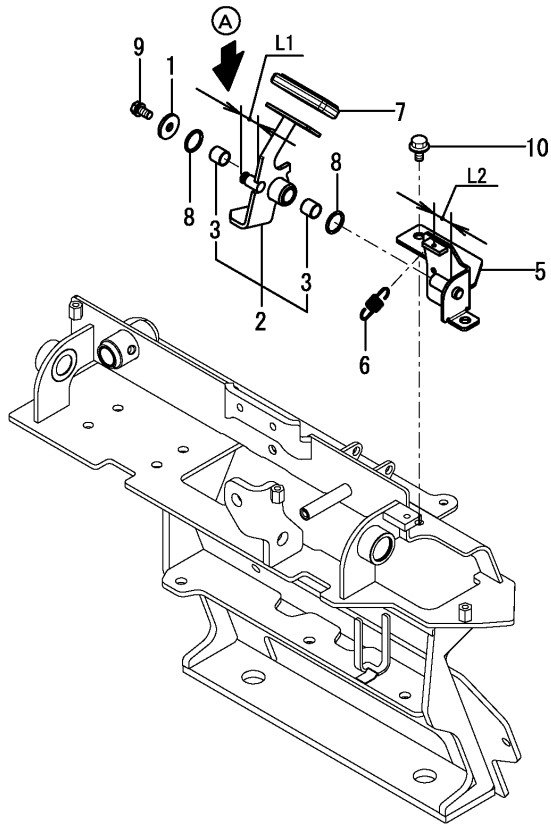
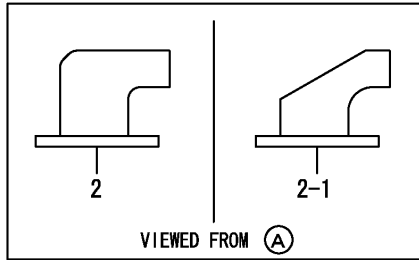


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194200-37780	NUT, M8	1	1	1	1				
2	1	172734-41300	JOINT, BALL	1	1	1	1				
2-1	1	1E6740-64200	BALL BL8DL, LINK	1	1	1	1				R
		(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)						
3	1	1A1040-43900	WASHER, SPRING	1	1	1	1				
4	1	172A47-45200	LINK ASSY, SWING	1	1	1	1				
5	2	172141-41360	BUSH 1415	2	2	2	2				
7	1	172A47-45260	PIN ASSY,SWING	1	1	1	1				
8	1	172A47-45300	PLATE, SWING	1	1	1	1				
9	1	172A47-45420	PEDAL	1	1	1	1				
10	1	172A47-45430	PEDAL	1	1	1	1				
11	1	172142-45870	ROD	1	1	1	1				
12	1	172124-46200	O-RING	2	2	2	2				
13	1	172162-46210	ROD 98.5	1	1	1	1				
14	1	22117-080000	WASHER, 8	1	1	1	1				
15	1	22137-100000	WASHER, 10	3	3	3	3				
16	1	22157-080000	WASHER, 8	1	1	1	1				
17	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2				
18	1	22487-100600	PIN, H10X 60	1	1	1	1				
19	1	22487-100900	PIN, H10X 90	1	1	1	1				
20	1	24311-000210	O-RING, 1AP21.0	2	2	2	2				
21	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				
22	1	26013-080162	BOLT, M8X 16	2	2	2	2				
23	1	26051-080002	NUT, M8	1	1	1	1				
24	1	1C6281-52310	PIN, SNAP 6	1	1	1	1				
25	1	933110-54100	PIN 4.75X14	1	1	1	1				
26	1	172122-46590	ELBOW	2	2	2	2				
27	1	22117-080000	WASHER, 8	2	2	2	2				
28	1	26051-080002	NUT, M8	4	4	4	4				

Fig.28. LOW-HIGH PEDAL

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



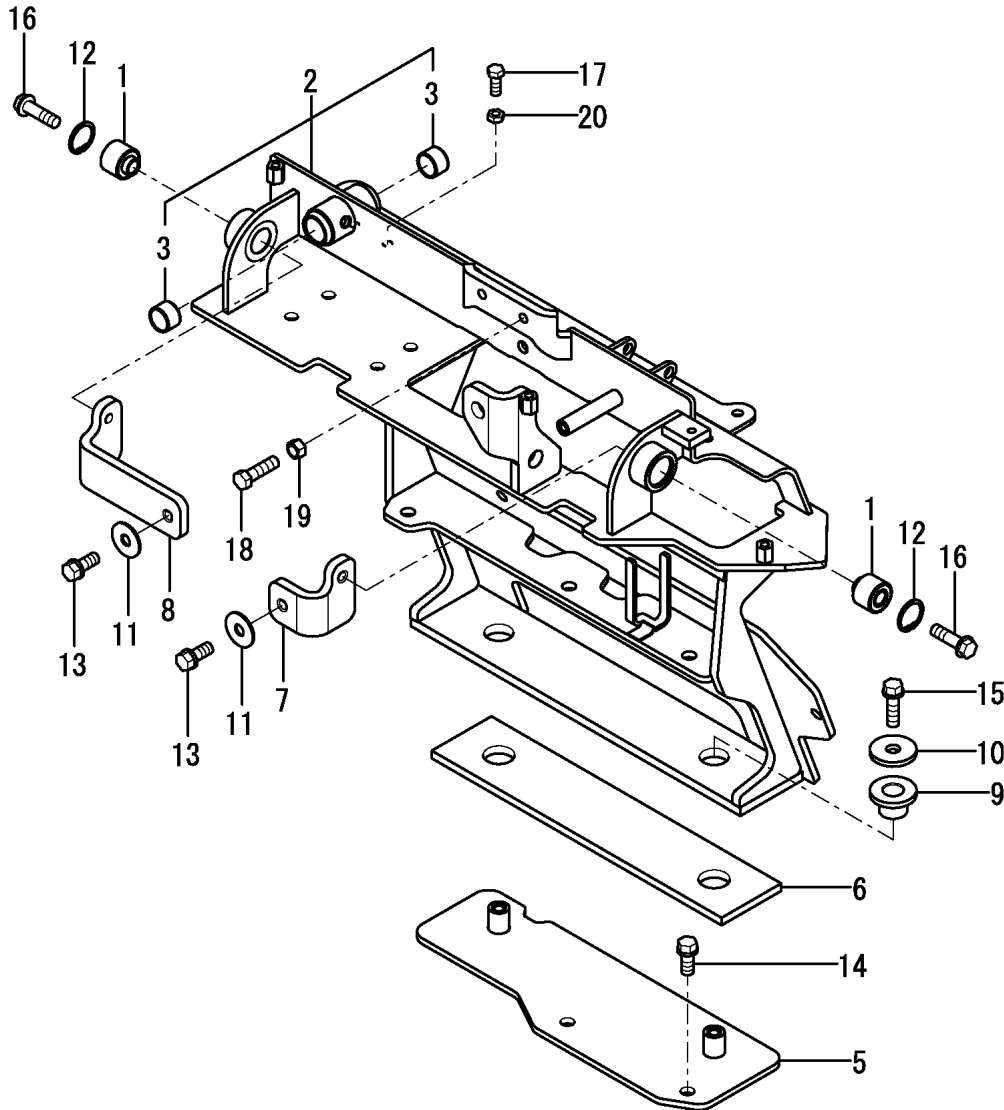
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1040-43900	WASHER, SPRING	1	1	1	1				
2	1	172A47-45500	PEDAL ASSY, 2 SPEED	1	1	1					
2-1	1	172A47-45501	PEDAL ASSY, 2 SPEED	1	1	1	1				F 1
3	2	172141-41360	BUSH 1415	2	2	2	2				
5	1	172A47-45530	BRACKET ASSY, 2SPEED	1	1	1					
5-1	1	172A47-45531	BRACKET ASSY, 2SPEED	1	1	1	1				S 1
6	1	172A47-45580	SPRING	1	1	1	1				
7	1	172458-45950	PAD,PEDAL	1	1	1	1				
8	1	24311-000210	O-RING, 1AP21.0	2	2	2	2				
9	1	26013-080162	BOLT, M8X 16	1	1	1	1				
10	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2				

Remarks

(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.2-1,5-1.  
 L1=REF.NO.2:30.5MM,NO.2-1:25.5MM.  
 L2=REF.NO.5:49MM,NO.5-1:44MM.

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

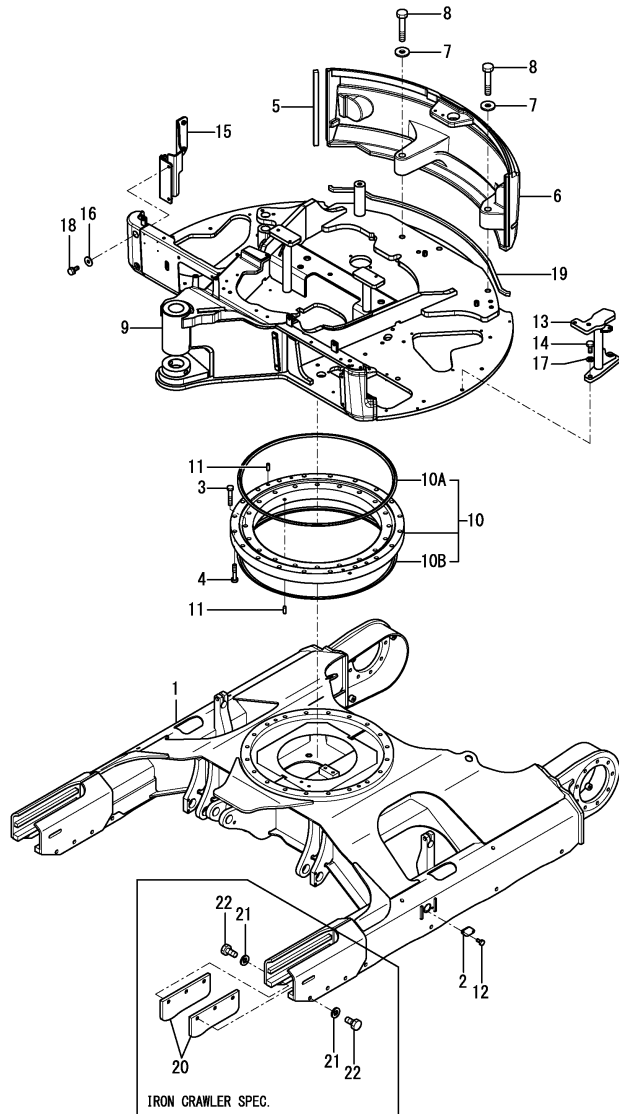


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-45490	CUSHION	2	2	2	2				
2	1	172A47-45600	MOUNT ASSY, LINK	1	1	1					
2-1	1	172A47-45601	MOUNT ASSY, LINK	1	1	1	1				N
		(A=M/#50512) (B=M/#50512) (C=M/#50512)									
3	2	172141-41370	BUSH 2015	2	2	2	2				
5	1	172A47-45800	BRACKET ASSY, DAMPER	1	1	1	1				
6	1	172A47-45840	PAD,ABSOBER	1	1	1	1				
7	1	172A47-45870	STAY, DAMPER	1	1	1	1				
8	1	172A47-45880	STAY, DAMPER	1	1	1	1				
9	1	172478-68870	GROMMET	2	2	2	2				
10	1	172478-68890	WASHER 12X40X4.5	2	2	2	2				
11	1	22157-100000	WASHER, 10	2	2	2	2				
12	1	22252-000280	RING, 28	2	2	2	2				
13	1	26013-100252	BOLT, M10X 25	2	2	2	2				
14	1	26013-100252	BOLT, M10X 25	2	2	2	2				
15	1	26013-100352	BOLT, M10X 35	2	2	2	2				
16	1	26106-100352	BOLT, M10X 35 PLATED	2	2	2	2				
17	1	26116-080204	BOLT, M8X 20 PLATED	2	2	2	2				
18	1	26116-100354	BOLT, M10X 35 PLATED	2	2	2	2				
18-1	1	26116-100304	BOLT, M10X 30 PLATED	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
19	1	26716-100002	NUT, M10	2	2	2	2				
20	1	26756-080002	NUT, LOCK M8	2	2	2	2				

Fig.30. FRAME & TURNING BEARING

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

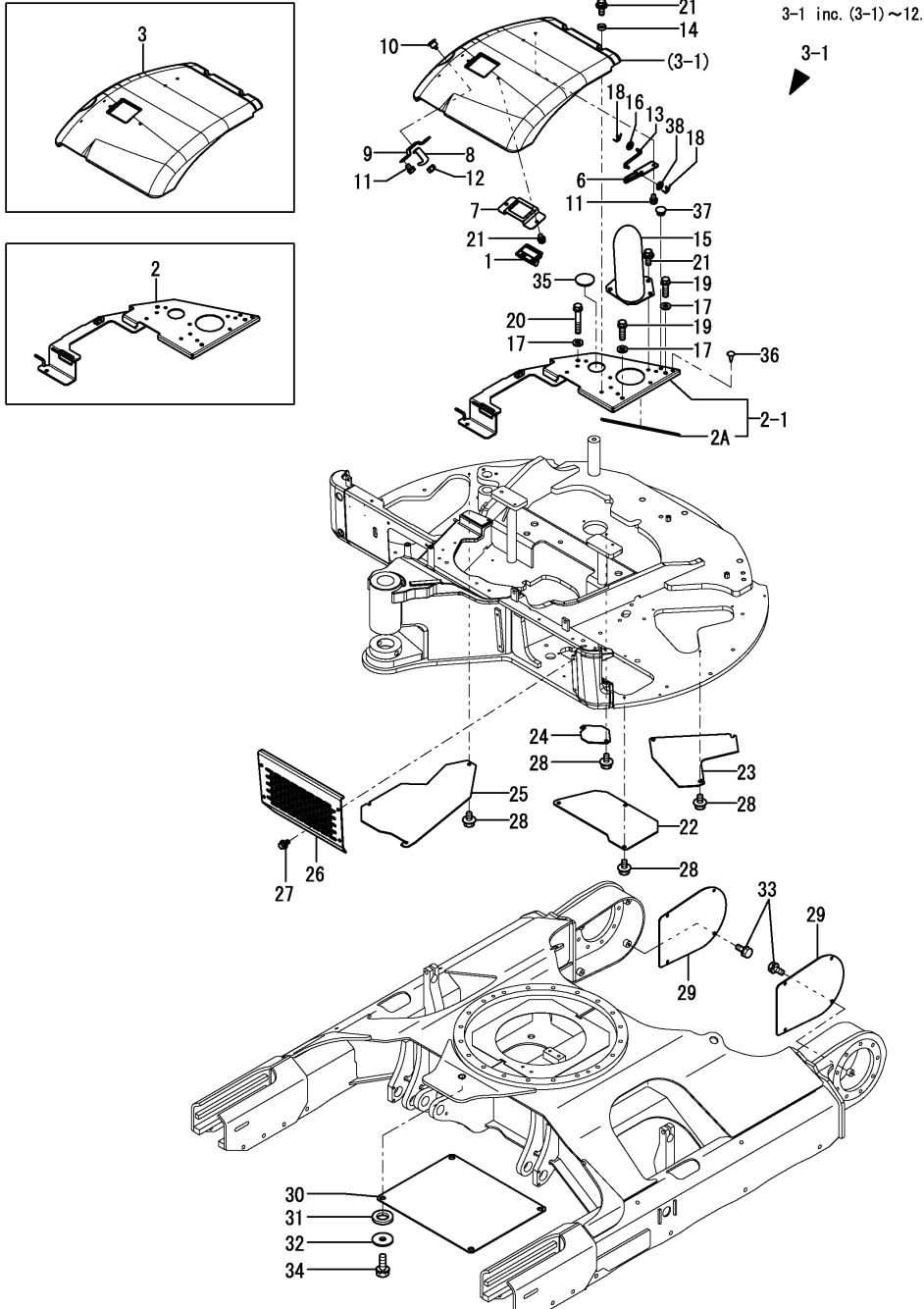
(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172460-50102-2	FRAME ASSY	1	1	1					
1-1	1	172460-50103	FRAME ASSY	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
2	1	172458-50480-2	COVER, FRAME	2	2	2	2				
3	1	172455-57650	BOLT	20	20	20	20				
4	1	172455-57661	BOLT	20	20	20	20				
4-1	1	172A79-57660	BOLT	20	20	20	20				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
5	1	172A47-53320	SEAL, WEIGHT	1	1	1	1				
6	1	172A47-53310	WEIGHT, COUNTER	1	1	1	1				
7	1	172187-53320	WASHER	2	2	2					
7-1	1	172187-53321	WASHER	2	2	2	2				N
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
8	1	172455-53330	BOLT	2	2	2					
8-1	1	172455-53331	BOLT	2	2	2	2				N
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
9	1	172A47-54100	FRAME ASSY, TURNING	1	1	1					1
9-1	1	172A47-54101	FRAME ASSY, TURNING	1	1	1	1				N 1
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
9A	1	172156-03740	LABEL, GREASE	1	1	1	1				2
10	1	172445-57600	BEARING, TURNING	1	1	1	1				
10A	2	172124-57620	SEAL, TURNING	1	1	1	1				
10B	2	172124-57630	SEAL, TURNING	1	1	1	1				
11	1	172122-57620	PIN, PARALLEL	4	4	4	4				
12	1	26106-100122	BOLT, M10X 12 PLATED	4	4	4	4				
13	1	172A47-54530	BOSS ASSY	1	1	1	1				
14	1	26116-160402	BOLT, M16X 40 PLATED	2	2	2	2				
15	1	172A47-65910	HINGE ASSY,RF	1	1	1					
15-1	1	172A47-65911	HINGE ASSY	1	1	1	1				N
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
16	1	22157-100000	WASHER, 10	2	2	2	2				
16-1	1	22137-100000	WASHER, 10	2	2	2	2				N
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
17	1	22217-160000	WASHER, SPRING 16	2	2	2	2				
18	1	26013-100202	BOLT, M10X 20	2	2	2	2				
18-1	1	26013-100402	BOLT, M10X 40	2	2	2	2				N
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
19	1	172458-54750	SEAL	1	1	1					
19-1	1	172A47-54600	SEAL	1	1	1	1				N
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
20	1	172423-50810-3	GUARD, CRAWLER	4	4	4	4				3
21	1	22217-160000	WASHER, SPRING 16	12	12	12	12				3
22	1	26116-160352	BOLT, M16X 35 PLATED	12	12	12	12				3

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.9A.  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)IRON CRAWLER SPEC.

Fig.31. COVER(FRAME)



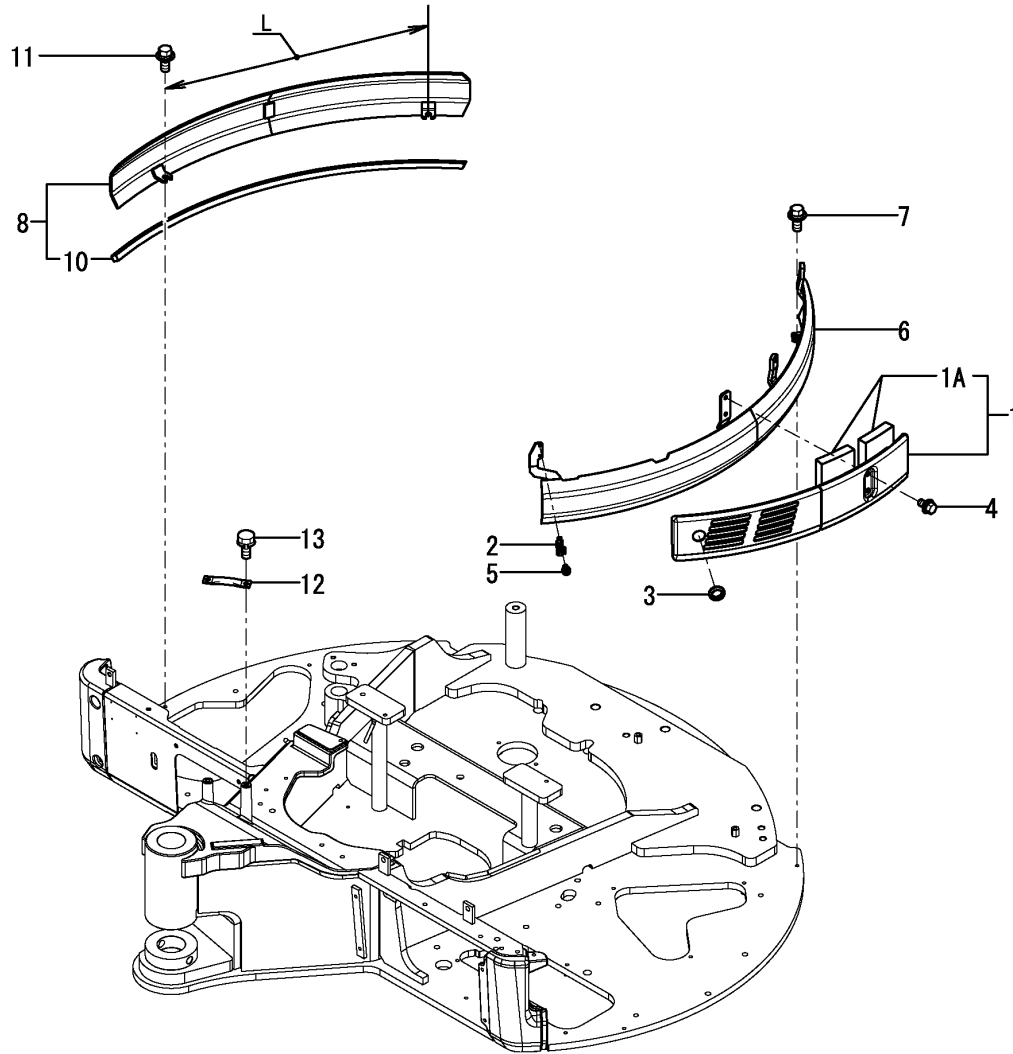
(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1	1	1	1				
2	1	172A47-61700-2	COVER ASSY, MUFFLER	1	1	1					
2-1	1	172A47-61690-1	COVER ASSY, MUFFLER	1	1	1					N
2-2	1	172A47-61690-2	COVER ASSY, MUFFLER	1	1	1	1				S
2A	2	172A47-61790	SEAL	1	1	1	1				
3	1	172A47-61850	COVER	1	1	1					
3-1	1	172A47-61310	COVER ASSY	1	1	1					N
3-2	1	172A47-61310-1	COVER ASSY	1	1	1	1				S
6	2	172A47-61930	GUIDE, STOPPER	1	1	1					
6-1	2	172A47-61931	GUIDE, STOPPER	1	1	1	1				N
7	2	172A47-61940	STAY, CATCH	1	1	1	1				
8	2	172A47-61950	STAY, KEY	1	1	1	1				
9	2	172A47-61960	ROCK PLATE	1	1	1	1				
10	2	172164-66170	KEY ASSY, CYLINDER	1	1	1	1				
11	2	26013-080122	BOLT, M8X 12	6	6	6	6				
12	2	26347-100002	NUT, M10	1	1	1	1				
13	1	172444-65190	ROD, STOPPER	1	1	1	1				
14	1	172A47-65550	COLLAR	2	2	2	2				
15	1	172460-65601	COVER ASSY, TAIL	1	1	1	1				
16	1	22137-080000	WASHER, 8	1	1	1	1				
17	1	22137-100000	WASHER, 10	3	3	3	3				
18	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2				
19	1	26013-100352	BOLT, M10X 35	2	2	2	2				
20	1	26013-100602	BOLT, M10X 60	1	1	1	1				
21	1	26014-100252	BOLT, M10X 25	6	6	6	6				
22	1	172A47-61400	COVER, VALVE STAND	1	1	1	1				
23	1	172A47-61411	COVER, VALVE STAND	1	1	1	1				
24	1	172A47-61420	COVER, OIL SUMP	1	1	1	1				
25	1	172A47-61430	COVER, FUEL	1	1	1	1				
26	1	172A47-61440	COVER, VALVE	1	1	1	1				
27	1	26014-080162	BOLT, M8X 16	4	4	4	4				
28	1	26106-100162	BOLT, M10X 16 PLATED	11	11	11	11				
29	1	172460-61100-3	COVER, MOTOR	2	2	2	2				
30	1	172460-61120-2	COVER	1	1	1	1				
31	1	172162-61500	TRIM	4	4	4	4				
32	1	22157-120000	WASHER, 12	4	4	4	4				
33	1	26013-100202	BOLT, M10X 20	8	8	8	8				
34	1	26013-120302	BOLT, M12X 30	4	4	4	4				
35	1	172730-61890	CAP, ENGINE COVER	1	1	1	1				
36	1	172458-64600	CLIP, TREE	4	4	4	4				
36-1	1	172122-17190	CLIP, TREE	4	4	4	4				R
37	1	172187-64900	PLUG	1	1	1	1				Z
38	1	1A1380-62160	WASHER	1	1	1	1				W



Fig.32. MULTI COVER & FRAM GUARD



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-61220	COVER ASSY, MULTI	1	1	1					
1-1	1	172A77-61220	COVER ASSY, MULTI	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
1-2	1	172A77-61220-2	COVER ASSY, MULTI	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
1A	2	172A77-61230	SPONGE	2	2	2	2				W
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
2	1	198220-61480	HOLDER, ROD	1	1	1	1				
3	1	172137-66230	GROMMET	1	1	1	1				
4	1	26014-080162	BOLT, M8X 16	2	2	2	2				
5	1	26023-050102	SCREW, M5X10	2	2	2	2				
6	1	172A47-61010	GUARD, FRAME	1	1	1	1				
7	1	26014-100252	BOLT, M10X 25	2	2	2	2				
8	1	172A47-61000	GUARD, FRAME	1	1	1					1
8-1	1	172A47-61001	GUARD, FRAME	1	1	1	1				S 1
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
10	2	172458-54750	SEAL	1	1	1	1				
11	1	26014-100352	BOLT 10X35	2	2	2					
11-1	1	26014-100252	BOLT, M10X 25	2	2	2	2				R
		(A=M/#50770) (B=M/#50770) (C=M/#50770)									
12	1	172A47-79150	PIPE, GUIDE	1	1	1	1				
13	1	26013-100202	BOLT, M10X 20	2	2	2	2				

Remarks

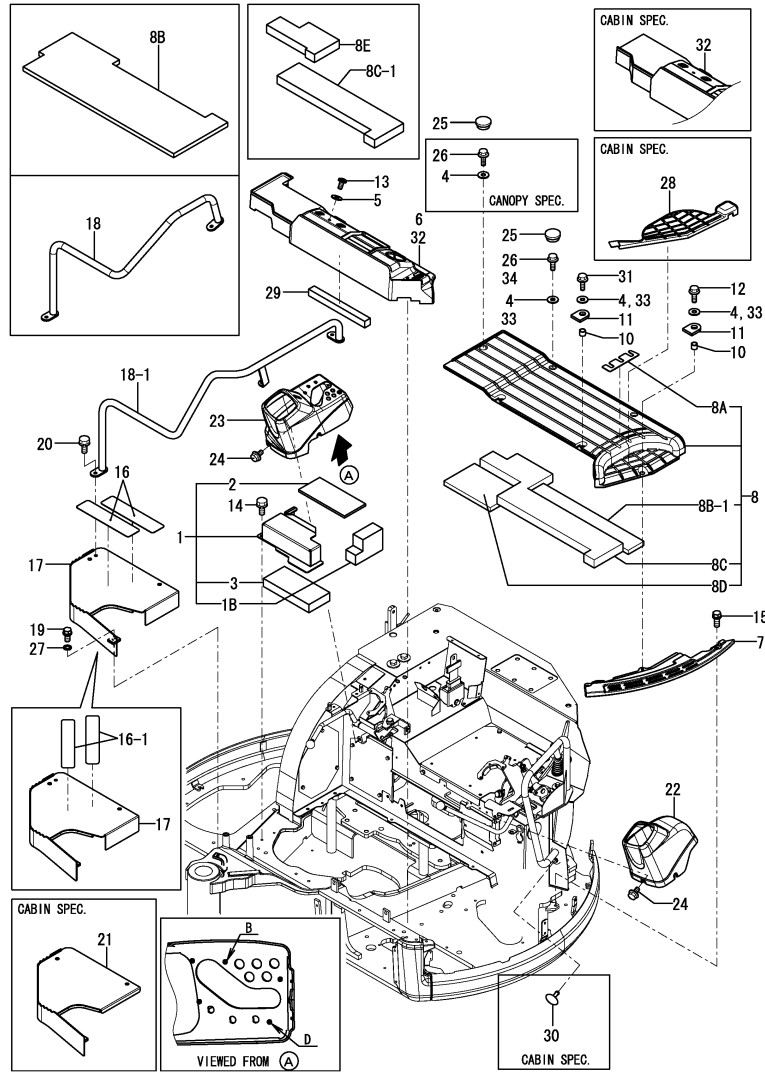
(7)L=REF.NO.8:707MM,NO.8-1:650MM.

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

Fig.35. STEP & INSTRUMENT PANEL

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



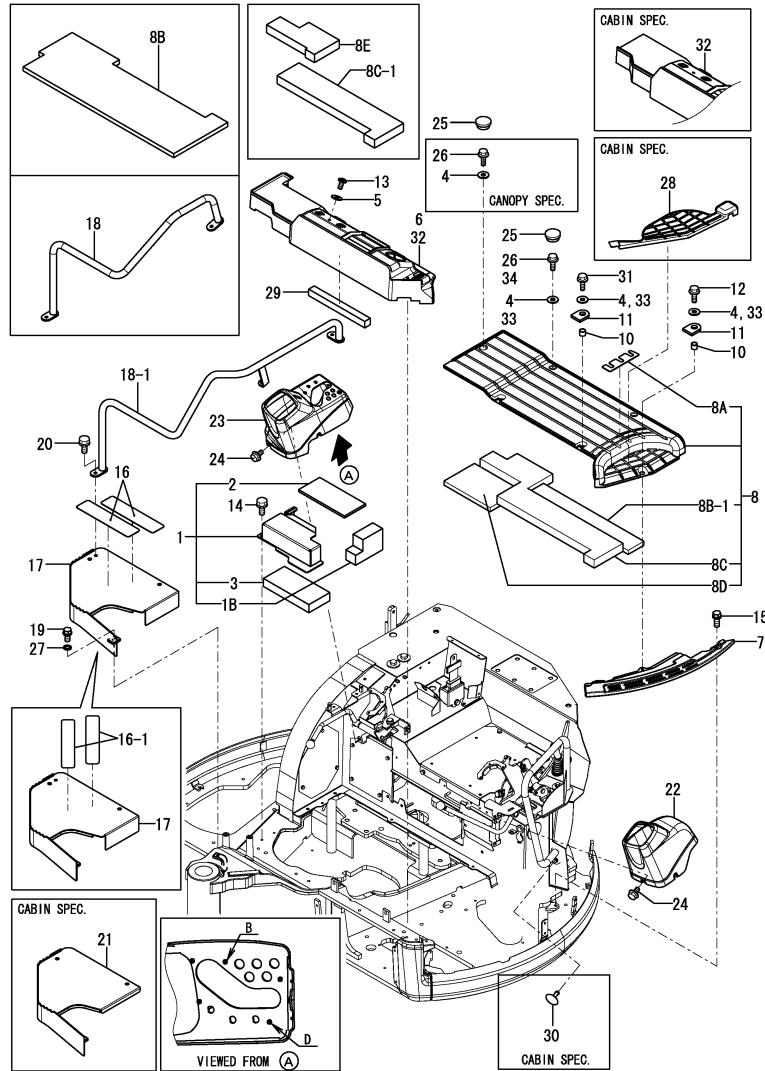
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-62090-1	STEP ASSY	1	1	1	1				
1B	2	172A47-62330	SPONGE	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
2	2	172A47-62280	SPONGE	1	1	1	1				
3	2	172A47-62270	SPONGE	1	1	1	1				
4	1	1A1380-62160	WASHER	6	6	6	6				3
5	1	172458-62430	WASHER M8	2	2	2	2				
6	1	172A47-62500	FLOOR MAT	1	1	1	1				3
6-1	1	172A47-62501	FLOOR MAT	1	1	1	1				N 3
		(A=M50708) (B=M50708) (C=M50708) (D=M50708)									
7	1	172A47-62520	STEP, NON SLIP	1	1	1	1				
8	1	172A47-62550	STEP ASSY	1	1	1	1				
8A	2	172A47-62530	SHEET	1	1	1	1				
8B	2	172A47-62260	SPONGE	1	1	1	1				
8B-1	2	172A47-62261	SPONGE	1	1	1	1				S
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
8C	2	172A47-62450	SPONGE	1	1	1	1				W
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
8C-1	2	172A47-62451	SPONGE	1	1	1	1				F 1
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
8D	2	172A47-62460	SPONGE	1	1	1	1				W
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
8E	2	172A47-62470	SPONGE	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
10	1	172A47-62570	COLLAR	2	2	2					
10-1	1	172A47-62570	COLLAR	3	3	3	3				K
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									
11	1	172A47-62580	PAD ABSORBER,STEP	2	2	2					
11-1	1	172A47-62580	PAD ABSORBER,STEP	3	3	3	3				K
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									
12	1	172165-66980	BOLT	6	6	6					
12-1	1	172165-66980	BOLT	3	3	3					K
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
12-2	1	26106-080202	BOLT, M8X 20 PLATED	3	3	3	3				N
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									
12-3	1	26106-080202	BOLT, M8X 20 PLATED	1	1	1	1				K
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
13	1	172137-69850	SCREW	2	2	2	2				
14	1	26013-100202	BOLT, M10X 20	2	2	2	2				
15	1	26013-100252	BOLT, M10X 25	2	2	2	2				
16	1	172433-62200	SEAT	2	2	2	2				
16-1	2	172164-62431	SHEET	2	2	2	2				F 2
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
17	1	172A47-62600	STEP ASSY	1	1	1	1				3
18	1	172A47-64850	HANDRAIL ASSY	1	1	1					3
18-1	1	172A47-64851	HANDRAIL ASSY	1	1	1	1				N 3
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
19	1	26013-100202	BOLT, M10X 20	3	3	3	3				
20	1	26013-100202	BOLT, M10X 20	2	2	2	2				3
21	1	172A47-62700	STEP ASSY	1	1	1	1				4
22	1	172A47-63110	IN-PANE,L	1	1	1	1				

Remarks  
 (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.8E.  
 (2)IT IS COMPATIBILITY BY EXCHANGE IN TWO AT THE SAME TIME.  
 (3)CANOPY SPEC.  
 (4)CABIN SPEC.  
 (5)B=REF.NO.23:NO MARK,NO.23-1:WHITE MARK OR "-1" MARK.  
 D=REF.NO.23:3.8MM,NO.23-1:4.5MM.

Fig.35. STEP & INSTRUMENT PANEL

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
23	1	172A47-63120	IN-PANE,R	1	1	1					5
23-1	1	172A47-63121	IN-PANE,R	1	1	1	1				S 5
		(A=M50525) (B=M50525) (C=M50525)									
24	1	172519-63240	BOLT	6	6	6	6				
25	1	172A47-62150	CAP, CLIP	3	3	3	3				
26	1	172A47-62660	BOLT 8X20	3	3	3	3				W 3
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
27	1	22137-100000	WASHER, 10	3	3	3	3				W 3
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
28	1	172A47-62410	MAT, FLOOR	1	1	1	1				W 4
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
29	1	172A47-62510	SPONGE	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
30	1	172444-68650	CLIP, TREE	1	1	1	1				W 4
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
31	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2				
31-1	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
32	1	172A46-62520	FLOOR MAT,CAB	1	1	1	1				4
33	1	1A1380-62160	WASHER	5	5	5	5				4
34	1	172A47-62660	BOLT 8X20	2	2	2	2				4

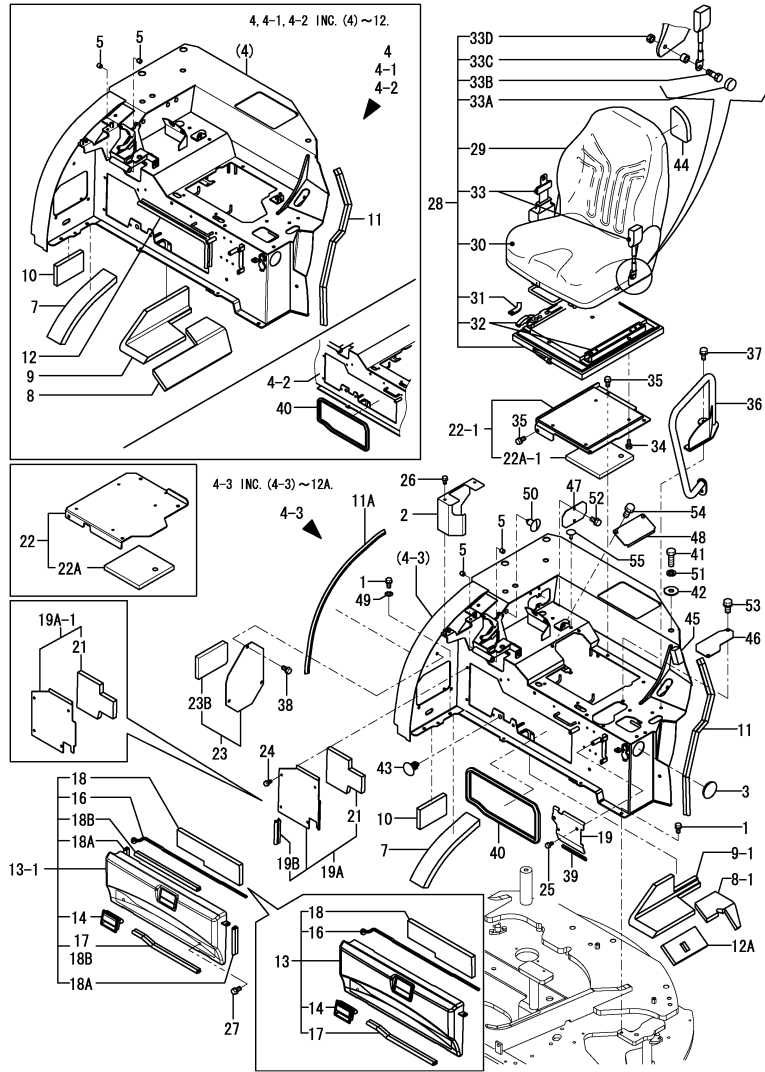
Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.8E.
- (2)IT IS COMPATIBILITY BY EXCHANGE IN TWO AT THE SAME TIME.
- (3)CANOPY SPEC.
- (4)CABIN SPEC.
- (5)B=REF.NO.23:NO MARK,NO.23-1:WHITE MARK OR "-1" MARK.
- D=REF.NO.23:3.8MM,NO.23-1:4.5MM.

Fig.36. SEAT & SEAT MOUNT

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



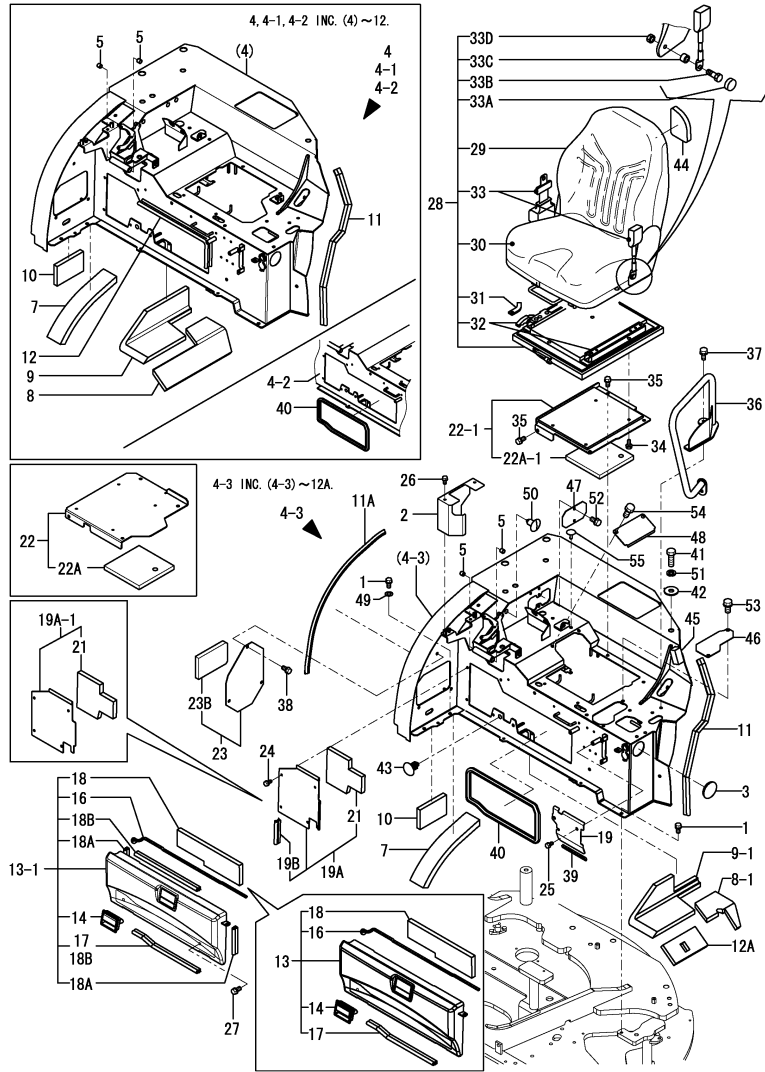
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26013-100202	BOLT, M10X 20	6	6	6					
1-1	1	26013-100202	BOLT, M10X 20	4	4	4	4				K
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
2	1	172A47-61460-1	COVER, BLADE	1	1	1	1				4
3	1	172730-61890	CAP, ENGINE COVER	1	1	1	1				
4	1	172A47-64201-1	MOUNT ASSY, SEAT	1	1	1					1
4-1	1	172A47-64202-1	MOUNT ASSY, SEAT	1	1	1					N 1
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
4-2	1	172A47-64203-1	MOUNT ASSY, SEAT	1	1	1					F 3
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
4-3	1	172A47-64204	MOUNT ASSY, SEAT	1	1	1	1				S 1
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
5	2	172141-41360	BUSH 1415	2	2	2	2				
7	2	172A47-64900	SPONGE	1	1	1	1				
8	2	172A47-64910	SPONGE	1	1	1					
8-1	2	172A47-64911	SPONGE	1	1	1	1				S
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
9	2	172A47-64920	SPONGE	1	1	1					
9-1	2	172A47-64921	SPONGE	1	1	1	1				S
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
10	2	172A47-64940	SPONGE	1	1	1	1				
11	2	172164-65710	RUBBER, SEAL	1	1	1	1				
11A	2	172444-65610	SEAL, BONNET	1	1	1	1				
12	2	172164-66630	RUBBER, SEAL	1	1	1	1				Z
		(A=M50530) (B=M50530) (C=M50530) (D=M50530)									
12A	2	172A47-64990	SPONGE	1	1	1	1				W
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
12B	1	172437-03301	LABEL, MANUAL US	1	1	1					2
12B-1	1	172437-03302	LABEL, MANUAL US	1	1	1	1				S 2
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
12C	1	172437-03471	LABEL, LEVER LOCK US	1	1	1	1				2
12D	1	172472-03141	LABEL, SUPPORT US	1	1	1	1				2
13	1	172A47-64500	COVER ASSY, MANUAL	1	1	1					
13-1	1	172A47-64501	COVER ASSY, MANUAL	1	1	1	1				S 3
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
14	2	172187-61421	HANDLE, LOCK	1	1	1	1				
16	2	172A47-64550	SEAL	1	1	1	1				
17	2	172A47-64680	SEAL, 395	1	1	1					Z
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
18	2	172A47-64950	SPONGE	1	1	1	1				
18A	2	172446-13580	SEAL, RADIATOR	2	2	2	2				W
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
18B	2	172455-18860	SEAL	2	2	2	2				W
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
19	1	172A47-64580	COVER, ELECTRIC	1	1	1	1				
19A	1	172A47-64870	COVER, SEAT MOUNT	1	1	1	1				
19A-1	1	172A47-64871	COVER, SEAT MOUNT	1	1	1					S 3
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
19B	2	172455-63660	SEAL, RUBBER	1	1	1	1				Z
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
21	2	172A47-64960	SPONGE	1	1	1	1				

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.12B,12B-1,12C,12D.  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.4-2,13-1, 19A-1,40.  
 (4)CANOPY SPEC.  
 (5)CABIN SPEC.

Fig.36. SEAT & SEAT MOUNT

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



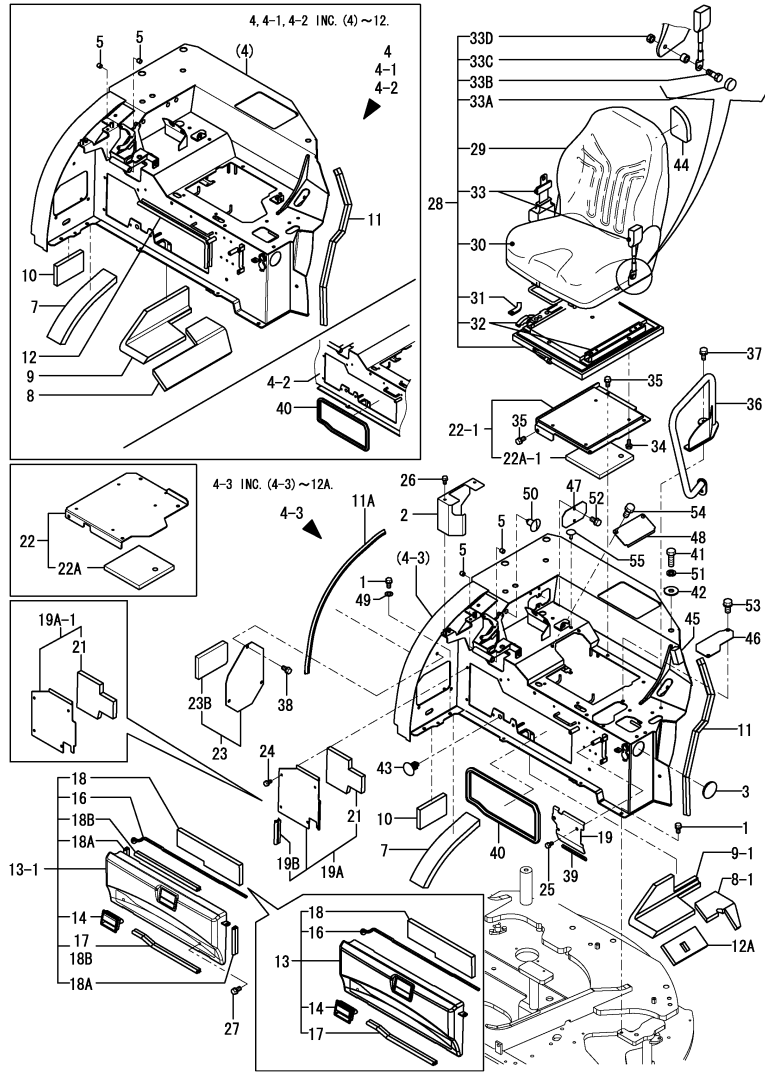
Remarks  
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.12B,12B-1,12C,12D.  
(2)LABELS ARE NOT ILLUSTRATED.  
(3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.4-2,13-1, 19A-1,40.  
(4)CANOPY SPEC.  
(5)CABIN SPEC.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
22	1	172A47-64810	PLATE ASSY,SEAT GRM	1	1	1					
22-1	1	172A46-64810	PLATE, SEAT	1	1	1	1				S
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
22A	2	172A47-64930	SPONGE	1	1	1					
22A-1	2	172A46-64930	SPONGE	1	1	1	1				S
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
23	1	172A47-64880	COVER, SEAT MOUNT	1	1	1	1				4
23B	2	172A47-64940	SPONGE	1	1	1	1				4
24	1	26013-080162	BOLT, M8X 16	4	4	4	4				
25	1	26013-080162	BOLT, M8X 16	2	2	2	2				
26	1	26013-080162	BOLT, M8X 16	2	2	2	2				4
27	1	26013-100202	BOLT, M10X 20	2	2	2	2				
28	1	172467-64101	SEAT, OPERATOR	1	1	1	1				
29	2	172467-64110	CUSHION, BACKREST	1	1	1	1				
30	2	172467-64120	CUSHION, SEAT	1	1	1	1				
31	2	172467-64130	STOPPER	1	1	1	1				
32	2	172467-64140	RAIL SET	1	1	1	1				
33	2	172989-64451	BELT, SEAT	1	1	1	1				
33-1	2	172467-64150	SEAT BELT	1	1	1	1				N
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
33A	2	172467-64160	COVER, CAP		2	2	2				W
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
33B	2	172467-64170	BOLT		2	2	2				W
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
33C	2	172467-64180	TUBE		2	2	2				W
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
33D	2	172467-64190	NUT		2	2	2				W
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
34	1	26013-080162	BOLT, M8X 16		4	4	4				
35	1	26013-100202	BOLT, M10X 20	4	4	4	4				
36	1	172A47-64700	HOLD ASSY, HAND	1	1	1	1				4
36-1	1	172A47-64701	HOLD ASSY, HAND	1	1	1	1				N 4
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
37	1	26013-100202	BOLT, M10X 20	2	2	2	2				4
38	1	26013-100202	BOLT, M10X 20	3	3	3	3				4
39	1	172444-17620	SEAL	1	1	1	1				
40	1	172162-65650	SEAL	1	1	1	1				W 3
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
41	1	26116-160252	BOLT, M16X 25 PLATED	4	4	4	4				W
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
42	1	22157-160000	WASHER, 16	4	4	4	4				W
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
42-1	1	22157-140000	WASHER, 14	4	4	4	4				N
		(A=M50543) (B=M50543) (C=M50543) (D=M50543)									
42-2	1	22157-140000	WASHER, 14	3	3	3	3				K
		(A=M50856) (B=M50856) (C=M50856) (D=M50856)									
43	1	172444-68650	CLIP, TREE	1	1	1	1				W 4
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
43-1	1	172122-17190	CLIP, TREE	1	1	1	1				R 4
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
44	1	172A47-64980	CUSHION, SEAT	1	1	1	1				W 5

Fig.36. SEAT & SEAT MOUNT

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

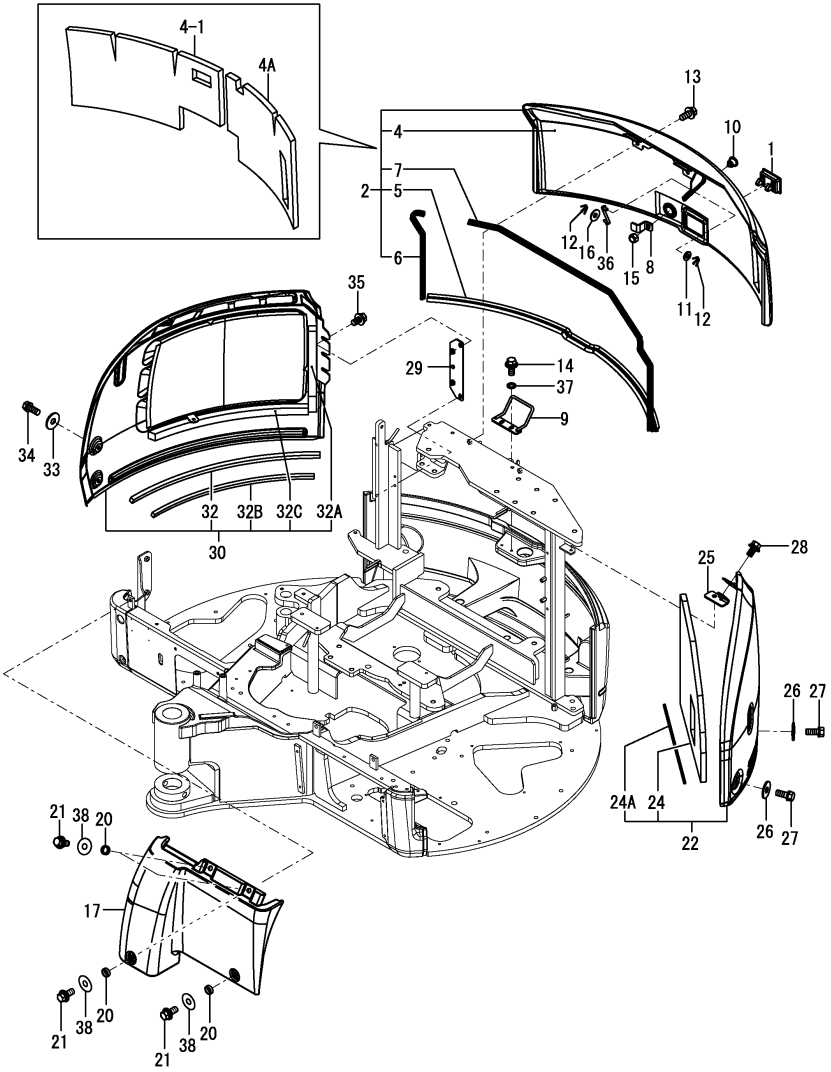
(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
45	1	(A=M/#50530) 172A47-68980 (B=M/#50530) (C=M/#50530) (A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)	SEAL, CABIN	1	1	1	1			W	5
46	1	(A=M/#50679) 172A46-64951 (B=M/#50679) (C=M/#50679)	COVER, SEAT MOUNT	1	1	1	1			W	
47	1	(A=M/#50679) 172A46-64960 (B=M/#50679) (C=M/#50679)	COVER	1	1	1	1			W	
48	1	(A=M/#50679) 172A46-64970 (B=M/#50679) (C=M/#50679)	COVER, SEAT MOUNT	1	1	1	1			W	
49	1	(A=M/#50856) 22137-100000 (B=M/#50856) (C=M/#50856)	WASHER, 10	1	1	1	1			W	
49-1	1	(A=M/#50856) 22137-100000 (B=M/#50856) (C=M/#50856)	WASHER, 10	2	2	2	2			K	
50	1	(A=MZZZZZ) 172444-68650 (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	CLIP, TREE	2	2	2	2				
50-1	1	(A=MZZZZZ) 172122-17190 (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	CLIP, TREE	2	2	2	2			R	
51	1	(A=MXXXXX) 22217-160000 (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)	WASHER, SPRING 16	4	4	4	4			W	
52	1	(A=M/#50856) 26013-080162 (B=M/#50856) (C=M/#50856)	BOLT, M8X 16	2	2	2	2			W	
53	1	(A=M/#50856) 26013-100162 (B=M/#50856) (C=M/#50856)	BOLT, M10X 16	2	2	2	2			W	
54	1	(A=M/#50679) 26013-100162 (B=M/#50679) (C=M/#50679)	BOLT, M10X 16	2	2	2	2			W	
55	1	(A=M/#50679) 172458-64600 (B=M/#50679) (C=M/#50679)	CLIP, TREE	2	2	2	2				

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOW-  
 ING LABELS AT THE SAME TIME.  
 REF.NO.12B,12B-1,12C,12D.  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)INTERCHANGEABLE BY SIMULTANEOUS  
 REPLACEMENT WITH REF.NO.4-2,13-1,  
 19A-1,40.  
 (4)CANOPY SPEC.  
 (5)CABIN SPEC.

Fig.37. BONNET



(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

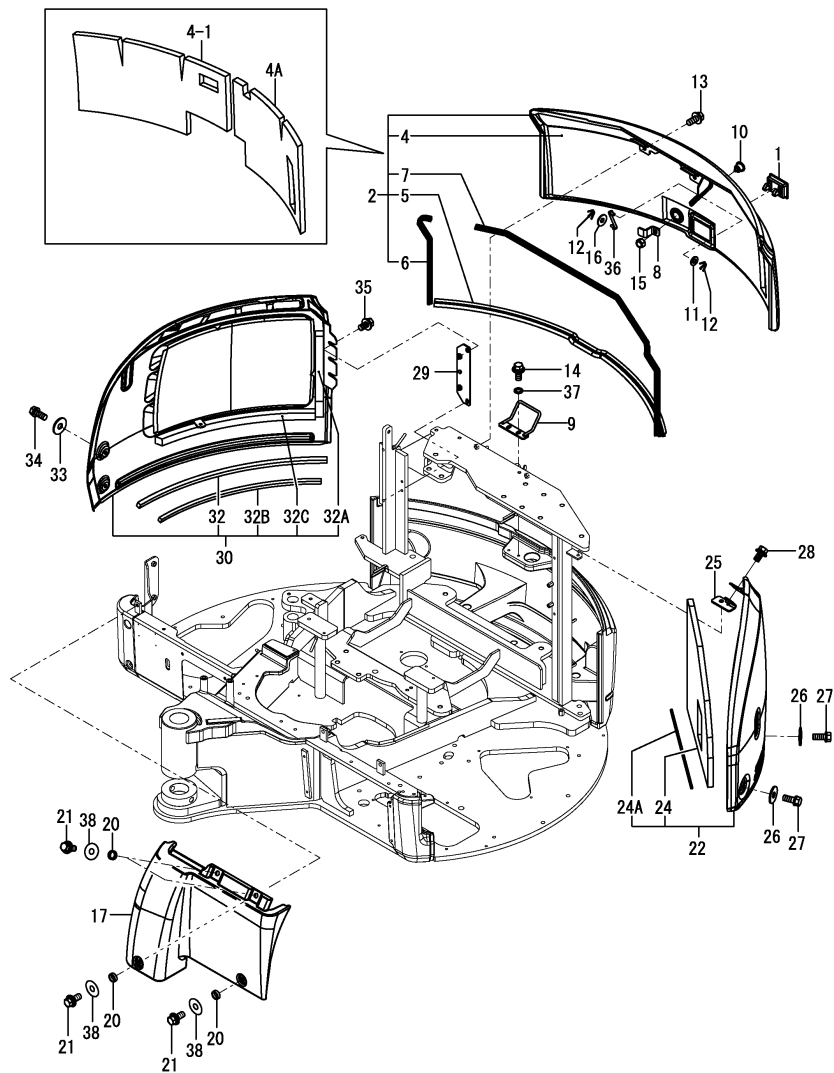
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1	1	1	1				
2	1	172A47-65100	BONNET ASSY	1	1	1					1
2-1	1	172A47-65100-2	BONNET ASSY	1	1	1	1				S 1
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
4	2	172A47-65350	SPONGE	1	1	1	1				
4-1	2	172A47-65351	SPONGE	1	1	1	1				F 3
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
4A	2	172A47-65360	SPONGE	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
5	2	172A47-65370	RUBBER, SEAL	1	1	1	1				
6	2	172A47-65730	RUBBER, SEAL 450	1	1	1					
6-1	2	172A47-65731	RUBBER, SEAL	1	1	1	1				N
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									
7	2	172455-65950	RUBBER, SEAL	1	1	1					
7-1	2	172444-62451	SEAL	1	1	1	1				N
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									
7A	1	172437-03381	LABEL, SWING AREA	1	1	1	1				2
7B	1	172437-03402	LABEL, ENGINE COVER	1	1	1	1				2
7C	1	172A47-03160	LABEL, REAR	1	1	1	1				2
8	1	172458-65271	PLATE, LOCK	1	1	1	1				
9	1	172A47-65310	CATCH ASSY, LOCK	1	1	1	1				
10	1	172164-66170	KEY ASSY, CYLINDER	1	1	1	1				
11	1	22137-080000	WASHER, 8	1	1	1	1				
12	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2				
13	1	26014-100252	BOLT, M10X 25	2	2	2	2				
14	1	26014-100252	BOLT, M10X 25	2	2	2					
14-1	1	26013-100252	BOLT, M10X 25	2	2	2	2				N
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
15	1	26347-100002	NUT, M10	1	1	1	1				
16	1	1A1380-62160	WASHER	1	1	1	1				
16-1	1	22137-080000	WASHER, 8	1	1	1	1				N
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
17	1	172A47-65450	BONNET	1	1	1					
17-1	1	172A47-65460-1	BONNET	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
20	1	172A47-65550	COLLAR	4	4	4	4				
21	1	26014-100252	BOLT, M10X 25	4	4	4	4				
21-1	1	26013-100252	BOLT, M10X 25	4	4	4	4				F 4
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
22	1	172A47-65600	BONNET ASSY	1	1	1					
22-1	1	172A47-65601	BONNET ASSY	1	1	1					N
		(A=M/#50623) (B=M/#50623) (C=M/#50623)									
22-2	1	172A47-65601-2	BONNET ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
24	2	172A47-65650	SPONGE	1	1	1	1				
24A	2	172460-19180	TRIM	1	1	1	1				W
		(A=M/#50512) (B=M/#50512) (C=M/#50512)									
25	1	172A47-65670	STAY, BONNET	1	1	1	1				
26	1	22157-100000	WASHER, 10	2	2	2	2				
27	1	26013-100252	BOLT, M10X 25	2	2	2	2				
28	1	26014-100252	BOLT, M10X 25	2	2	2	2				

Remarks  
 (1) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.7A,7B,7C.  
 (3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.4A.  
 (4) Interchangeable by simultaneous replacement with Ref.No.38.

Fig.37. BONNET

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	1	172A47-65010	BRACKET ASSY	1	1	1	1				
30	1	172A47-65800	BONNET ASSY	1	1	1					
30-1	1	172A47-65800-2	BONNET ASSY	1	1	1	1				S
32	2	172A47-65900	SEAL, SPONGE	1	1	1					Z
32A	2	172A47-53320	SEAL, WEIGHT	1	1	1	1				W
32B	2	172480-62900	TRIM	1	1	1	1				W
32C	2	172A47-65960	SEAL, BONNET	1	1	1	1				W
33	1	22157-100000	WASHER, 10	2	2	2					
33-1	1	172458-61261	WASHER	2	2	2	2				N
34	1	26013-100252	BOLT, M10X 25	2	2	2	2				
35	1	26014-100202	BOLT, M10X 20	4	4	4	4				
36	1	172444-65190	ROD ASSY, STOPPER	1	1	1	1				
37	1	22157-100000	WASHER, 10	2	2	2	2				W
38	1	22157-100000	WASHER, 10	4	4	4	4				W

Remarks

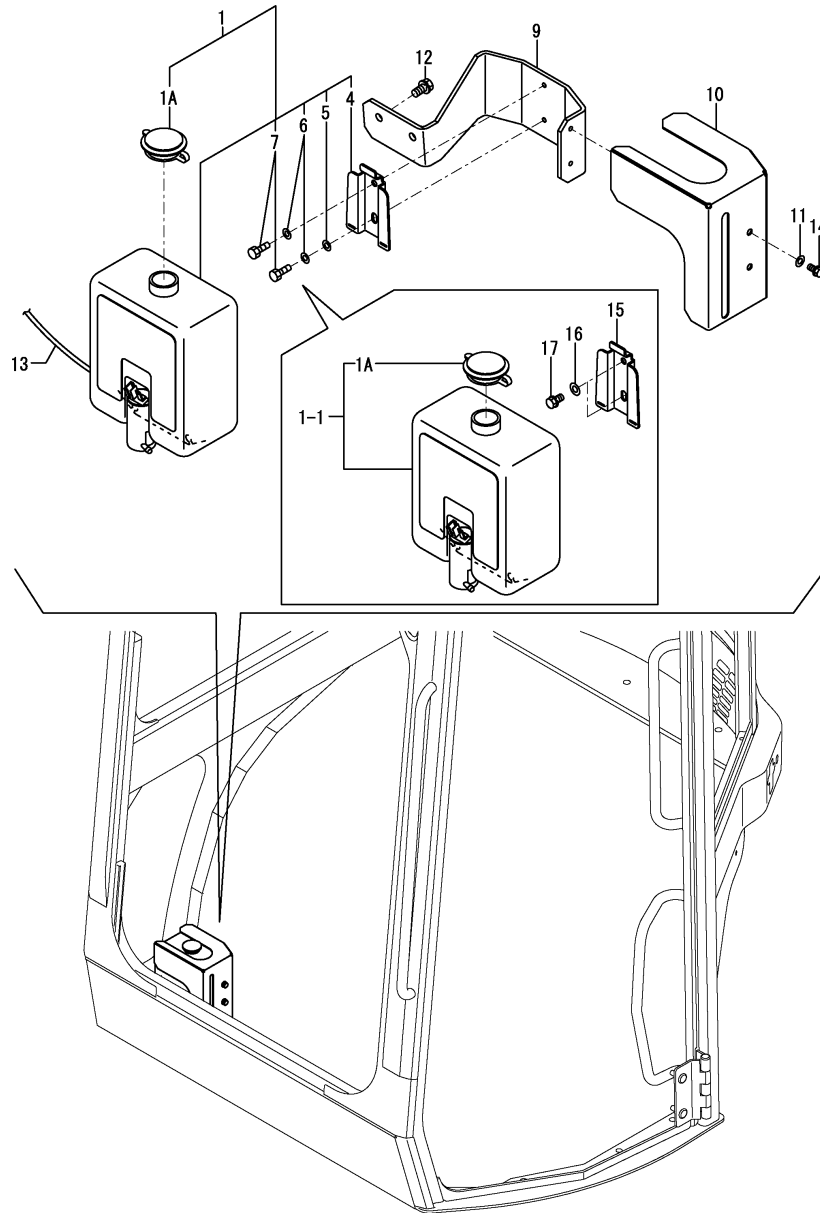
- (1) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.7A,7B,7C.
- (3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.4A.
- (4) Interchangeable by simultaneous replacement with Ref.No.38.



Fig.17. WINDOW WASHER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



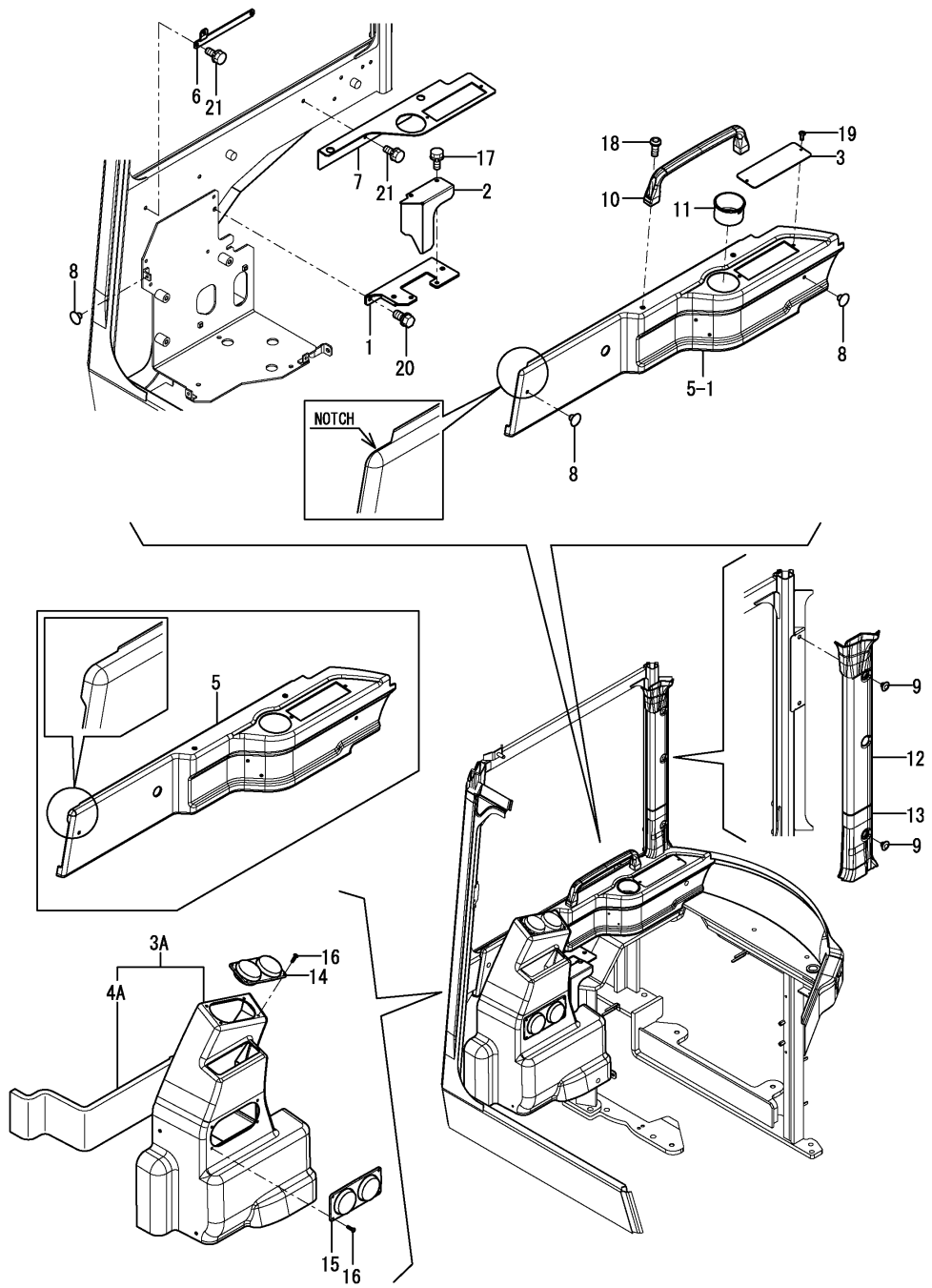
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-17610	TANK ASSY, WASHER	1	1	1	1				
1-1	1	172A47-18980	TANK ASSY, WASHER	1	1	1	1			F	1
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
1A	2	172A47-18990	CAP	1	1	1	1				W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
4	3	172472-17650	BRACKET	1	1	1	1				Z
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
5	3	22137-060000	WASHER, 6	1	1	1	1				Z
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
6	3	22217-060000	WASHER, SPRING 6	2	2	2	2				Z
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
7	3	26116-060162	BOLT, M6X 16 PLATED	2	2	2	2				Z
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
9	1	172A47-18780	PLATE, WASHER	1	1	1	1				
10	1	172A47-18810	COVER, WASHER	1	1	1	1				
11	1	22137-060000	WASHER, 6	4	4	4	4				
11-1	1	22137-060000	WASHER, 6	2	2	2	2				K
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
12	1	26013-080202	BOLT, M8X 20	2	2	2	2				
13	1	172472-16610	HARNES, WASHER	1	1	1	1				
14	1	26013-060102	BOLT, M6X 10	4	4	4	4				
14-1	1	26013-060102	BOLT, M6X 10	2	2	2	2				K
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
15	1	120147-44810	BRACKET	1	1	1	1				W
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
16	1	22137-060000	WASHER, 6	2	2	2	2				W
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
17	1	26013-060102	BOLT, M6X 10	2	2	2	2				W
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									

Remarks  
 (1)Interchangeable by simultaneous replacement with Ref.No.15,16,17.

Fig.33. COVER(CABIN : 1)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

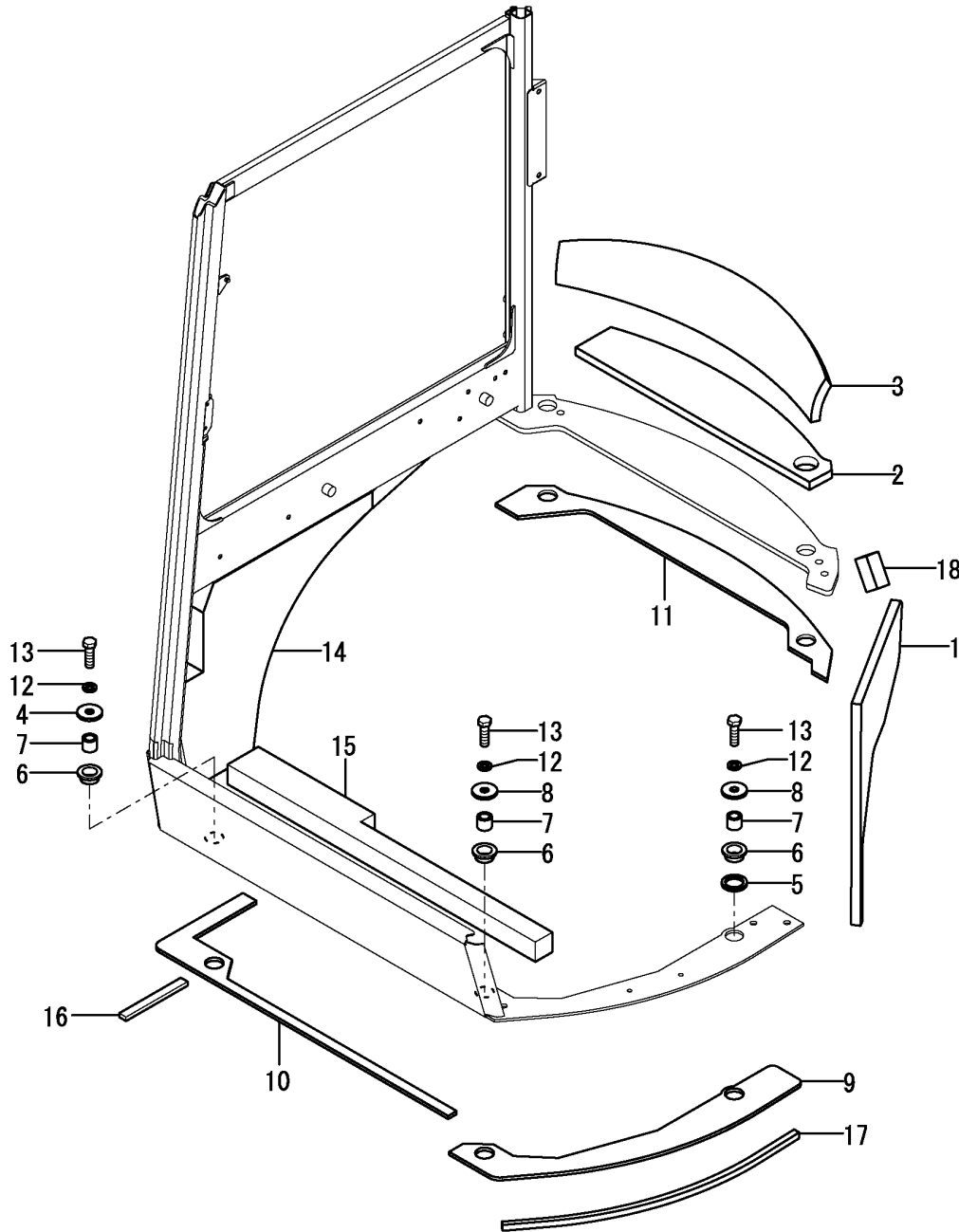


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-18270	BRACKET ASSY	1	1	1	1				
2	1	172A47-18280	COVER	1	1	1	1				
3	1	172A47-18930	COVER, RADIO	1	1	1	1				
3A	1	172A47-61490 (A=M/#50646) (B=M/#50646) (C=M/#50646)	COVER ASSY, CABIN	1	1	1	1				W
4A	2	172A47-61530 (A=M/#50646) (B=M/#50646) (C=M/#50646)	SPONGE	1	1	1	1				W
5	1	172A47-61510	COVER	1	1	1					
5-1	1	172A47-61511 (A=M/#50549) (B=M/#50549) (C=M/#50549)	COVER, CABIN	1	1	1	1				S
6	1	172A47-63190	STAY ASSY	1	1	1	1				
7	1	172A47-63220	STAY ASSY, TUBE	1	1	1	1				
8	1	1A6260-64200	CLIP	3	3	3	3				
9	1	172458-64600	CLIP, TREE	3	3	3	3				
10	1	172176-67181	GRIP	1	1	1	1				
11	1	172176-67880	HOLDER	1	1	1	1				
12	1	172458-68990	COVER, PILLAR	1	1	1	1				
12-1	1	172458-68991 (A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	COVER, PILLAR	1	1	1	1				N
13	1	172458-69000	COVER, PILLAR	1	1	1	1				
14	1	1E8545-80940	GRILLE, DUCT	1	1	1	1				
15	1	197821-88070	GRILLE	1	1	1	1				
16	1	22869-400160	SCREW, 4X16	8	8	8	8				
17	1	26013-080162	BOLT, M8X 16	2	2	2	2				
18	1	26557-080202	SCREW, M8X20	2	2	2	2				
19	1	26033-040202	SCREW, M4X20	2	2	2	2				
20	1	26013-100202	BOLT, M10X 20	1	1	1	1				
21	1	26013-080202	BOLT, M8X 20	4	4	4	4				

Fig.34. COVER(CABIN : 2)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



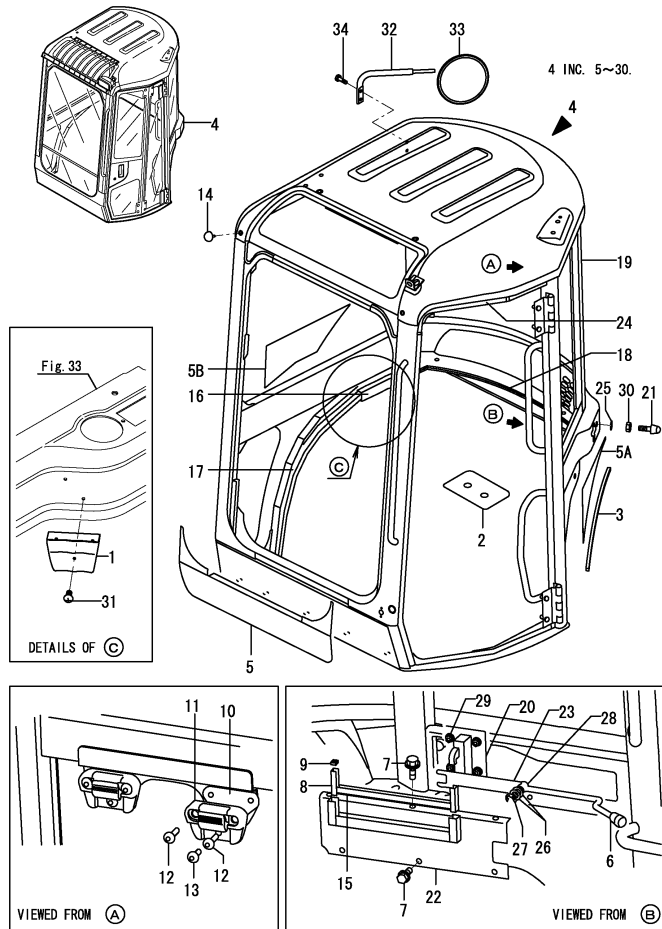
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-68820	SPONGE	1	1	1	1				
2	1	172A47-68830	SPONGE	1	1	1	1				
3	1	172A47-68840	SPONGE	1	1	1	1				
4	1	172A47-68850	WASHER60X17X6	1	1	1	1				
5	1	172A47-68860	WASHER52X38X6	1	1	1	1				
6	1	172A47-68870	GROMMET	5	5	5	5				
7	1	172A47-68880	COLLAR	5	5	5	5				
8	1	172A47-68890	WASHER52X17X6	4	4	4	4				
9	1	172A47-68900	PATT A	1	1	1	1				
10	1	172A47-68920	PATT C	1	1	1	1				
11	1	172A47-68930	PATT D	1	1	1	1				
12	1	22217-160000	WASHER, SPRING 16	5	5	5	5				
13	1	26076-160552	BOLT, 10.916X 55	5	5	5	5				
14	1	172A47-61550	SEAL, CABIN	1	1	1	1				W
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
15	1	172A47-61560	SEAL, CABIN	1	1	1	1				W
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
16	1	172A47-68940	SEAL, CABIN	1	1	1	1				W
		(A=M/#50512) (B=M/#50512) (C=M/#50512)									
17	1	172A47-68990	SEAL, CABIN	1	1	1	1				W
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
18	1	172A47-68980	SEAL, CABIN	1	1	1	1				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									

Fig.38. CABIN(BODY)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

CABIN ASSY  
172A47-67800  
Fig. 38 Ref No. 4  
INC Fig. 38 Ref No. 5~30.  
Fig. 39 Ref No. 1~44.  
Fig. 40 Ref No. 1~18.  
Fig. 41 Ref No. 1~22.  
Fig. 92 Ref No. 1.



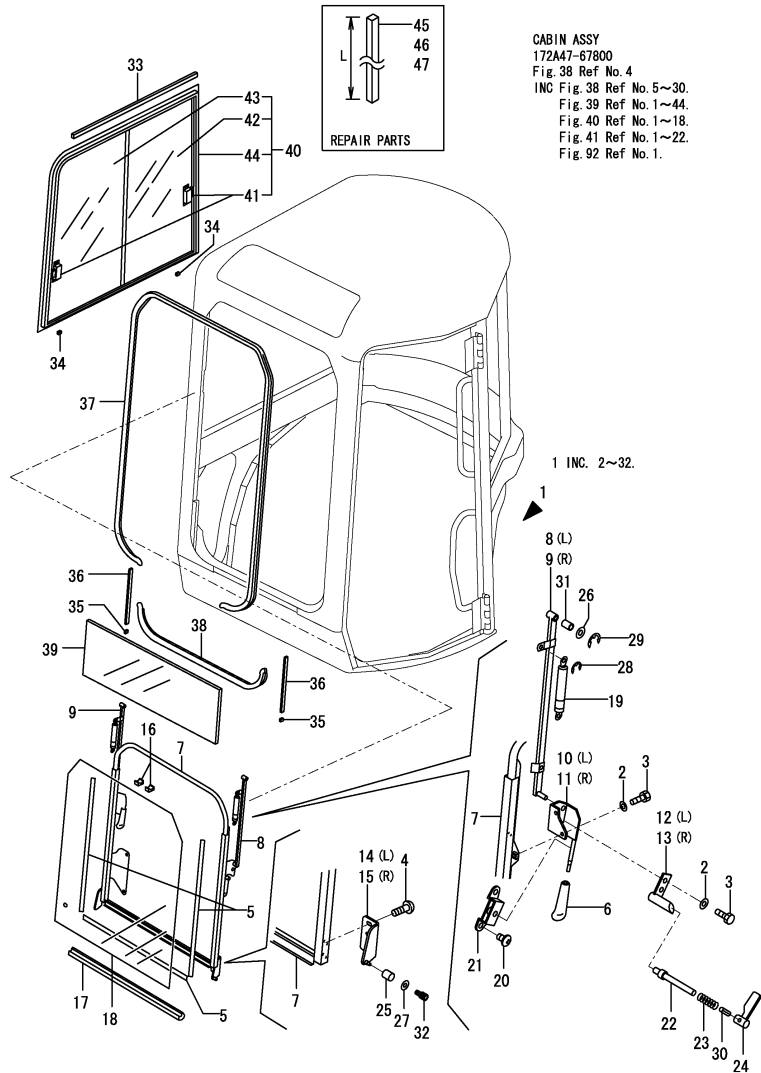
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172312-17250	ASHTRAY	1	1	1	1				
2	1	172458-63580	SPACER	1	1	1	1				
3	1	172164-65710	RUBBER, SEAL	1	1	1	1				
4	1	172A47-67800	CABIN ASSY	1	1	1					3
4-1	1	172A47-67801	CABIN ASSY	1	1	1	1				N 3
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
5	2	172458-03310	LABEL	1	1	1	1				
5A	2	172458-03320	LABEL	1	1	1	1				Z
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
5B	2	172458-03330	LABEL	1	1	1	1				Z
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
6	2	1E5100-51430	KNOB CLUTCH(RED)	1	1	1	1				
7	2	172519-63240	BOLT	6	6	6	6				
8	2	172455-67310	RUN, GLASS	2	2	2	2				
9	2	172455-67320	CAP, CHANNEL	2	2	2	2				
10	2	172455-67330	PLATE ASSY LOW GLASS	2	2	2	2				
11	2	172455-67340	HOLDER GLASS UP	2	2	2	2				
12	2	172455-67350	SCREW	4	4	4	4				
13	2	172455-67360	SCREW	2	2	2	2				
14	2	172455-67440	CLIP, TREE	4	4	4	4				
15	2	172458-67840	RUN, GLASS	1	1	1	1				
16	2	172458-67960	SEAL	1	1	1	1				
17	2	172458-67970	SEAL	1	1	1	1				
18	2	172458-67981	SEAL	1	1	1	1				
19	2	172A47-68000	FRAME ASSY, CABIN	1	1	1					1
19-1	2	172A47-68001	FRAME ASSY, CABIN	1	1	1	1				N 1
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
20	2	172162-69050	LOCK ASSY	1	1	1	1				
21	2	172165-69190	RUBBER, STOPPER	1	1	1	1				
22	2	172458-69790	COVER ASSY	1	1	1	1				
23	2	172458-69830	LEVER	1	1	1	1				
24	2	172458-69930	SEAL, DOOR	1	1	1	1				
25	2	22117-100000	WASHER, 10	1	1	1	1				
26	2	22117-120000	WASHER, 12	2	2	2	2				
27	2	22272-000100	RING, E-10	1	1	1	1				
28	2	24550-012200	BUSH, 12X20	1	1	1	1				
29	2	26366-080002	NUT, M8	4	4	4	4				
30	2	26716-100002	NUT, M10	1	1	1	1				
31	1	22867-400100	SCREW, 4X10	3	3	3	3				
32	1	172A25-68301-1	BRACKET, MIRROR	1	1	1	1				
33	1	172A25-68500	REARVIEW MIRROR	1	1	1	1				
34	1	26013-100162	BOLT, M10X 16	2	2	2	2				
34-1	1	26013-100252	BOLT, M10X 25	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
35A	1	172437-03441	LABEL, ROPS US	1	1	1	1				2
35B	1	172437-03451	LABEL, SEAT BELT US	1	1	1	1				2

Remarks  
\* THE CONSTITUTION OF THE FIGURE WAS CHANGED.  
(1)USE W/REF.NO.35A,35B.  
(2)LABELS ARE NOT ILLUSTRATED.  
(3)USE W/REF.NO.35A,35B.  
USE W/FIG.NO.39 REF.NO.48A,48B,48C,48D,48E,48F.  
USE W/FIG.NO.40 REF.NO.23A,23B,24A.

Fig.39. CABIN(GLASS)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CABIN ASSY  
172A47-67800  
Fig. 38 Ref No. 4  
INC Fig. 38 Ref No. 5~30.  
Fig. 39 Ref No. 1~44.  
Fig. 40 Ref No. 1~18.  
Fig. 41 Ref No. 1~22.  
Fig. 92 Ref No. 1.

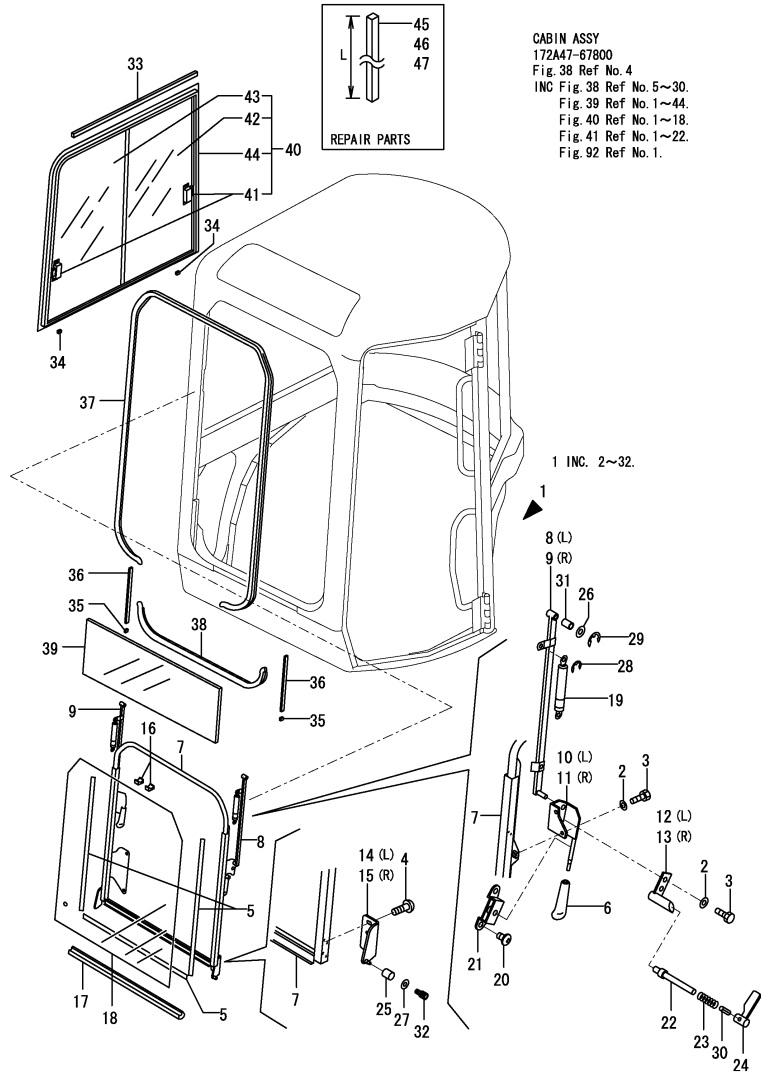
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172459-67810	SASH ASSY	1	1	1	1				
2	3	172458-63670	HD WASHER	8	8	8	8				
3	3	172458-63680	BOLT 8X16	8	8	8	8				
4	3	172458-63730	SCREW	4	4	4	4				
5	3	172458-63790	SEAL, DAM	3	3	3	3				
6	3	172445-66750	GRIP	2	2	2	2				
6-1	3	172455-66750	KNOB	2	2	2	2				R
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
7	3	172458-67340	FRAME ASSY, FRONT	1	1	1	1				
8	3	172458-67440	LINK	1	1	1	1				
9	3	172458-67510	LINK	1	1	1	1				
10	3	172458-67520	HANDLE L	1	1	1	1				
11	3	172458-67550	HANDLE R	1	1	1	1				
12	3	172458-67570	RUCHE	1	1	1	1				
13	3	172458-67610	RUCHE	1	1	1	1				
14	3	172458-67670	SHAFT ASSY, ROLLER	1	1	1	1				
15	3	172458-67680	SHAFT ASSY, ROLLER	1	1	1	1				
16	3	172458-67850	RUBBER, STOPPER	2	2	2	2				
17	3	172458-67870	RUBBER, SEAL	1	1	1	1				
18	3	172458-67900	GLASS	1	1	1	1				
19	3	172458-67920	SPRING, GAS	2	2	2	2				
20	3	172463-69150	SCREW	4	4	4	4				
21	3	172463-69160	HOLDER ASSY,F/W	2	2	2	2				
22	3	172463-69190	LATCH PIN	2	2	2	2				
23	3	172463-69200	SPRING	2	2	2	2				
24	3	172463-69210	LEVER ASSY,F/W	2	2	2	2				
25	3	172445-69740	ROLLER	2	2	2	2				
26	3	22117-120000	WASHER, 12	4	4	4	4				
27	3	22137-060000	WASHER, 6	2	2	2	2				
28	3	22272-000060	RING, E- 6	4	4	4	4				
29	3	22272-000080	RING, E- 8	4	4	4	4				
30	3	22351-030012	PIN, SPRING 3.0X12	2	2	2	2				
31	3	24550-012200	BUSH, 12X20	4	4	4	4				
32	3	26450-060102	BOLT, M6X 10	2	2	2	2				
33	2	172458-63760	SEAL, SPONGE	1	1	1	1				
34	2	172455-67610	SPACER	2	2	2	2				
35	2	172455-67710	RUBBER, STOPPER	2	2	2	2				
36	2	172458-67830	RUN, GLASS	2	2	2	2				
37	2	172458-67860	RUBBER, SEAL	1	1	1	1				
38	2	172458-67880	RUBBER, SEAL	1	1	1	1				
39	2	172458-67910	GLASS	1	1	1	1				
40	2	172458-69250	SASH ASSY	1	1	1	1				2
41	3	172455-67770	LOCK ASSY, SASH	2	2	2	2				
42	3	172458-69260	GLASS, SASH	1	1	1	1				2
43	3	172458-69270	GLASS, SASH	1	1	1	1				
44	3	172458-69280	FRAME, SASH	1	1	1	1				
45	1	172478-68600	SEAL, DAM	1	1	1	1				1
46	1	172478-68610	SEAL, DAM	1	1	1	1				1
47	1	172478-68620	SEAL, DAM	1	1	1	1				1
48A	1	172472-03241	LABEL, PIN US	1	1	1	1				3
48B	1	172437-03312	LABEL,SLOPE US	1	1	1	1				3

Remarks  
\* THE CONSTITUTION OF THE FIGURE WAS CHANGED.  
(1)REPAIR PARTS.  
L=REF.NO.45:1000MM,NO.46:2000MM, NO.47:3000MM.  
(2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
REF.NO.48A,48B,48C,48D,48E,48F.  
(3)LABELS ARE NOT ILLUSTRATED.

Fig.39. CABIN(GLASS)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



CABIN ASSY  
 172A47-67800  
 Fig. 38 Ref No. 4  
 INC Fig. 38 Ref No. 5~30.  
 Fig. 39 Ref No. 1~44.  
 Fig. 40 Ref No. 1~18.  
 Fig. 41 Ref No. 1~22.  
 Fig. 92 Ref No. 1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48C	1	172437-03372	LABEL, NEUTRAL US	1	1	1	1				3
48D	1	172437-03551	LABEL, WINDOW US	1	1	1	1				3
48E	1	172437-03601	LABEL, 2-WAY US	1	1	1					3
48F	1	172A47-03410	LABEL, 4 WAY US				1				3

Remarks

\* THE CONSTITUTION OF THE FIGURE WAS CHANGED.

(1)REPAIR PARTS.

L=REF.NO.45:1000MM,NO.46:2000MM, NO.47:3000MM.

(2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.

REF.NO.48A,48B,48C,48D,48E,48F.

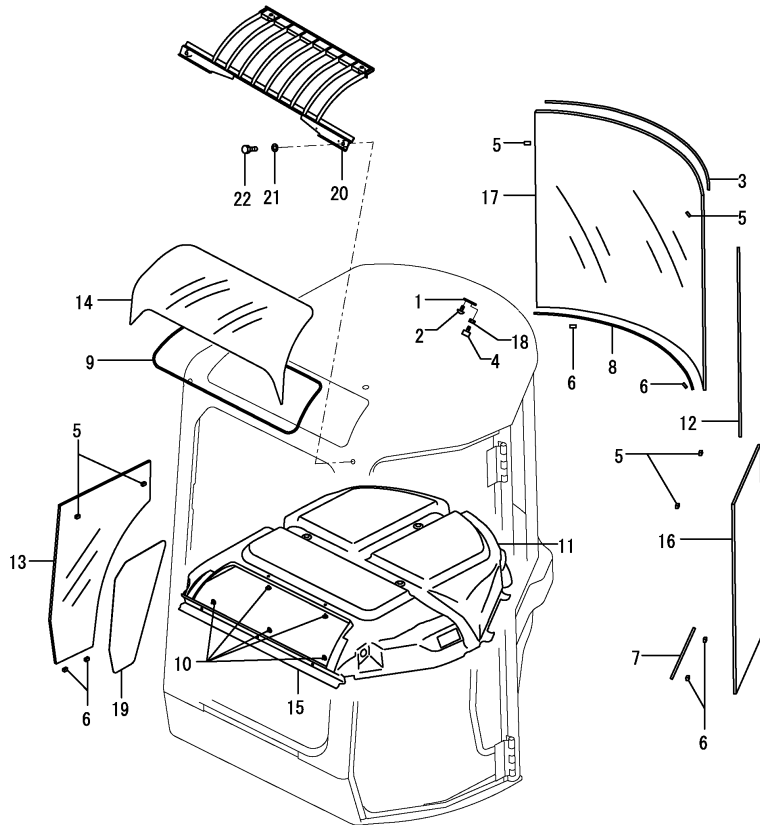
(3)LABELS ARE NOT ILLUSTRATED.

Fig.40. CABIN(ACCESSORY)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

CABIN ASSY  
172A47-67800  
Fig. 38 Ref No. 4  
INC Fig. 38 Ref No. 5~30.  
Fig. 39 Ref No. 1~44.  
Fig. 40 Ref No. 1~18.  
Fig. 41 Ref No. 1~22.  
Fig. 92 Ref No. 1.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172458-63700	PLATE	1	1	1	1				
2	2	172458-63730	SCREW	1	1	1	1				
3	2	172458-63770	TRIM	1	1	1	1				
4	2	172458-63800	RUBBER, STOPPER	1	1	1	1				
5	2	172458-63950	SPACER	6	6	6					
5-1	2	172458-63950	SPACER	4	4	4	4				K
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
6	2	172458-63960	SPACER	6	6	6					
6-1	2	172458-63960	SPACER	4	4	4	4				K
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
7	2	172458-63970	SEAL, DAM	1	1	1	1				
8	2	172458-63980	SEAL, DAM	1	1	1	1				
9	2	172458-63990	SEAL, DAM	1	1	1	1				
10	2	172455-67550	CLIP	15	15	15	15				
11	2	172458-68851	INNER ROOF	1	1	1	1				
12	2	172458-69090	TRIM	1	1	1	1				
13	2	172458-69200	GLASS	1	1	1					Z
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
14	2	172458-69210	SUNROOF	1	1	1	1				
15	2	172458-69220	INNER FRONT	1	1	1	1				
16	2	172458-69230	GLASS	1	1	1	1				1
17	2	172458-69240	GLASS	1	1	1	1				2
18	2	26716-100002	NUT, M10	1	1	1	1				
19	1	172A47-03910	LABEL, GLASS R	1	1	1					Z
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
20	1	172472-66611-2	GUARD, FOPS	1	1	1	1				
21	1	22137-100000	WASHER, 10	4	4	4	4				
22	1	26076-100352	BOLT, 10.910X 35	4	4	4	4				
23A	1	172437-03441	LABEL, ROPS US	1	1	1	1				3
23B	1	172437-03451	LABEL, SEAT BELT US	1	1	1	1				3
24A	1	172A47-03350	LABEL, LIFT Q US	1	1	1					3
24A-1	1	172A47-03360	LABEL, LIFT Q US	1	1	1					S 3
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
24A-2	1	172A47-03361	LABEL, LIFT Q US	1	1	1					N 3
		(A=M/#50856) (B=M/#50856) (C=M/#50856)									
24A-3	1	172A47-03362	LABEL, LIFT Q US	1	1	1	1				N 3
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
24A-4	1	172A47-03363	LABEL, LIFT Q US	1	1	1	1				N 3
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									

Remarks

\* THE CONSTITUTION OF THE FIGURE WAS CHANGED.

(1) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.

REF.NO.23A,23B.

(2) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.

REF.NO.24A.

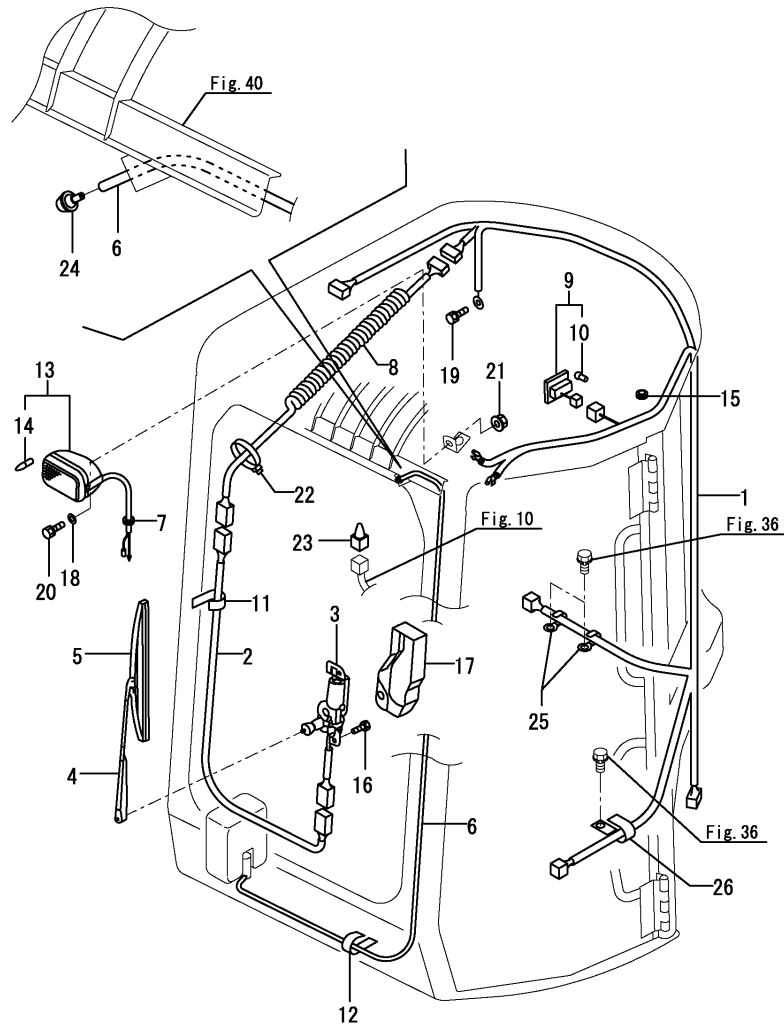
(3) LABELS ARE NOT ILLUSTRATED.

Fig.41. CABIN(ELECTRIC PART)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

CABIN ASSY  
 172A47-67800  
 Fig. 38 Ref No. 4  
 inc Fig. 38 Ref No. 5~30.  
 Fig. 39 Ref No. 1~44.  
 Fig. 40 Ref No. 1~18.  
 Fig. 41 Ref No. 1~22.  
 Fig. 92 Ref No. 1.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172458-16612	HARNES A.WIRE(CABIN	1	1	1	1				
2	2	172458-16620	WIRE HARNES B	1	1	1	1				
3	2	172458-17210	WIPER MOTOR	1	1	1	1				
4	2	172458-17220	ARM, WIPER	1	1	1	1				
5	2	172458-17230	WIPER BLADE	1	1	1	1				
6	2	172472-17620	HOSE, WASHER	1	1	1	1				
7	2	172455-67870	GROMMET	2	2	2	2				
8	2	172455-67880	CORD	1	1	1	1				
9	2	172455-67900	ROOM LAMP	1	1	1	1				
10	3	172455-67930	BULB	1	1	1	1				
11	2	172455-67910	CLAMP, HARNES	3	3	3	3				
12	2	172455-67910	CLAMP, HARNES	3	3	3	3				
13	2	172455-67970	WORKING LAMP	1	1	1					
13-1	2	172455-67971	WORKING LAMP	1	1	1	1				N
(A=M/#50948) (B=M/#50948) (C=M/#50948)											
14	3	172458-17420	BULB	1	1	1	1				
15	2	172458-69320	GROMMET	1	1	1	1				
16	2	172455-69410	SET SCREW	2	2	2	2				
17	2	172455-69490	COVER, WIPER	1	1	1	1				
18	2	22137-080000	WASHER, 8	1	1	1	1				
19	2	26013-080162	BOLT, M8X 16	1	1	1	1				
20	2	26116-080202	BOLT, M8X 20 PLATED	1	1	1	1				
21	2	26366-080002	NUT, M8	1	1	1	1				
22	2	933168-55770	BAND 146	1	1	1	1				
23	1	172190-16500	HARNES	1	1	1	1				
24	1	198094-86060	NOZZLE, WASHER	1	1	1	1				
25	1	172126-16540	CLAMP	2	2	2	2				W
(A=M50708) (B=M50708) (C=M50708)											
26	1	1A1380-59480	CLAMP, CORD	1	1	1					
26-1	1	1A1380-59480	CLAMP, CORD	2	2	2	2				K
(A=M50708) (B=M50708) (C=M50708)											

Remarks  
 \* THE CONSTITUTION OF THE FIGURE WAS  
 CHANGED.



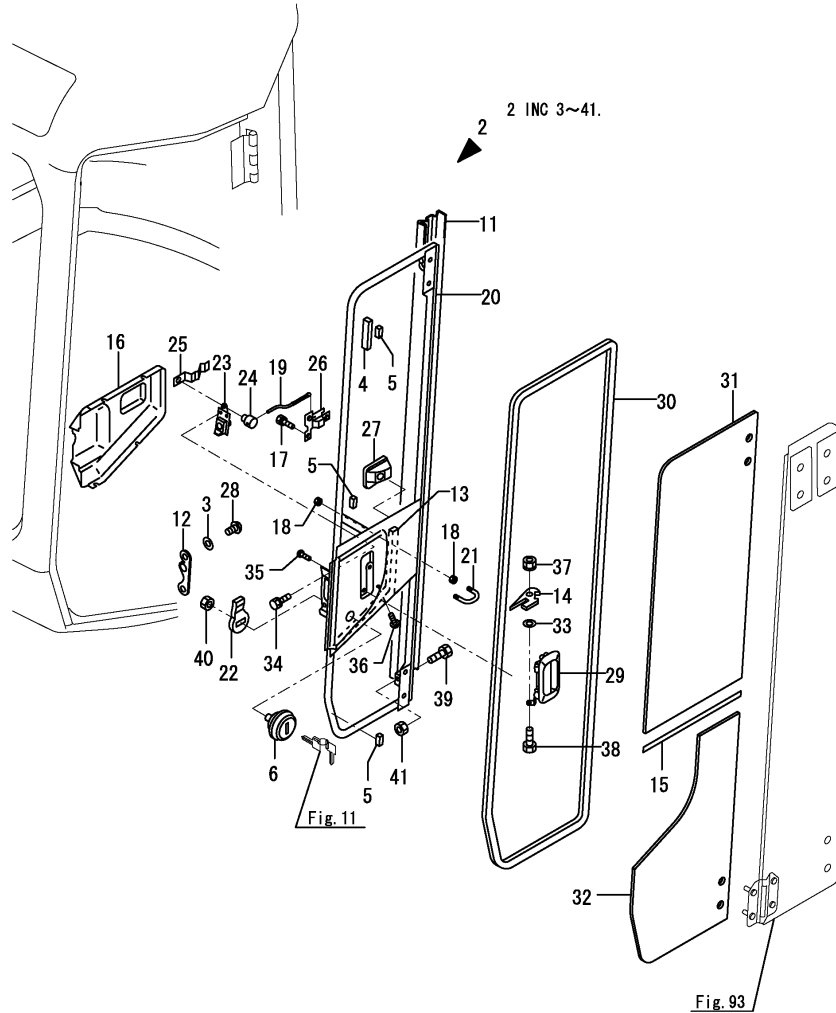
Fig.92. (41A)CABIN DOOR(FRONT)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

CABIN ASSY  
172A47-67800  
Fig. 38 Ref No. 4  
INC Fig. 38 Ref No. 5~30.  
Fig. 39 Ref No. 1~44.  
Fig. 40 Ref No. 1~18.  
Fig. 41 Ref No. 1~22.  
Fig. 92 Ref No. 1.

CABIN DOOR ASSY  
172459-67821  
Fig. 92 Ref No. 1  
INC Fig. 92 Ref No. 2.  
Fig. 93 Ref No. 1.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172459-67821	DOOR ASSY	1	1	1	1				
2	3	172459-67831	DOOR ASSY	1	1	1	1				
3	4	172458-63670	HD WASHER	2	2	2	2				
4	4	172458-63930	STOPPER	1	1	1	1				
5	4	172458-63950	SPACER	3	3	3	3				
6	4	172164-66170	KEY ASSY, CYLINDER	1	1	1	1				
11	4	172458-66720	COVER, DOOR	1	1	1	1				
12	4	172458-67020	STRIKER ASSY	1	1	1	1				
13	4	172458-67650	SEAL, DAM	1	1	1	1				
14	4	172458-67940	PLATE	1	1	1	1				Z
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
15	4	172458-69100	TRIM	1	1	1	1				
16	4	172455-69170	COVER, LATCH	1	1	1	1				
17	4	172455-69300	SCREW	3	3	3	3				
18	4	172445-69320	NUT	4	4	4	4				
19	4	172445-69400	ROD	1	1	1	1				
20	4	172458-69400	FRAME ASSY, DOOR	1	1	1	1				
21	4	172445-69420	DOOR HOOK	1	1	1	1				
22	4	172162-69470	LOCK PLATE	1	1	1	1				
23	4	172162-69480	LOCK ASSY	1	1	1	1				
24	4	172162-69490	PIN	1	1	1	1				
25	4	172162-69500	SPRING	1	1	1	1				
26	4	172162-69510	HANDLE ASSY	1	1	1	1				
27	4	172162-69520	COVER	1	1	1	1				
28	4	172455-69520	SCREW	2	2	2	2				
29	4	172162-69541	HANDLE, OUTER	1	1	1	1				
29-1	4	172162-69542	HANDLE, OUTER	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
30	4	172458-69580	TRIM ASSY	1	1	1	1				
31	4	172458-69900	GLASS, DOOR	1	1	1	1				
32	4	172458-69910	GLASS, DOOR	1	1	1	1				
33	4	22137-080000	WASHER, 8	1	1	1	1				Z
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
34	4	26013-060162	BOLT, M6X 16	3	3	3	3				
35	4	26023-060122	SCREW, M6X12	2	2	2	2				
36	4	26023-060162	SCREW, M6X16	4	4	4	4				
36-1	4	172458-69170	SCREW, SETTING	4	4	4	4				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
37	4	26051-080002	NUT, M8	1	1	1	1				Z
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
38	4	26116-080202	BOLT, M8X 20 PLATED	1	1	1	1				Z
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
39	4	26116-100304	BOLT, M10X 30 PLATED	1	1	1	1				
40	4	26716-100002	NUT, M10	1	1	1	1				
41	4	26716-100002	NUT, M10	1	1	1	1				

Remarks  
\* THE CONSTITUTION OF THE FIGURE WAS CHANGED.

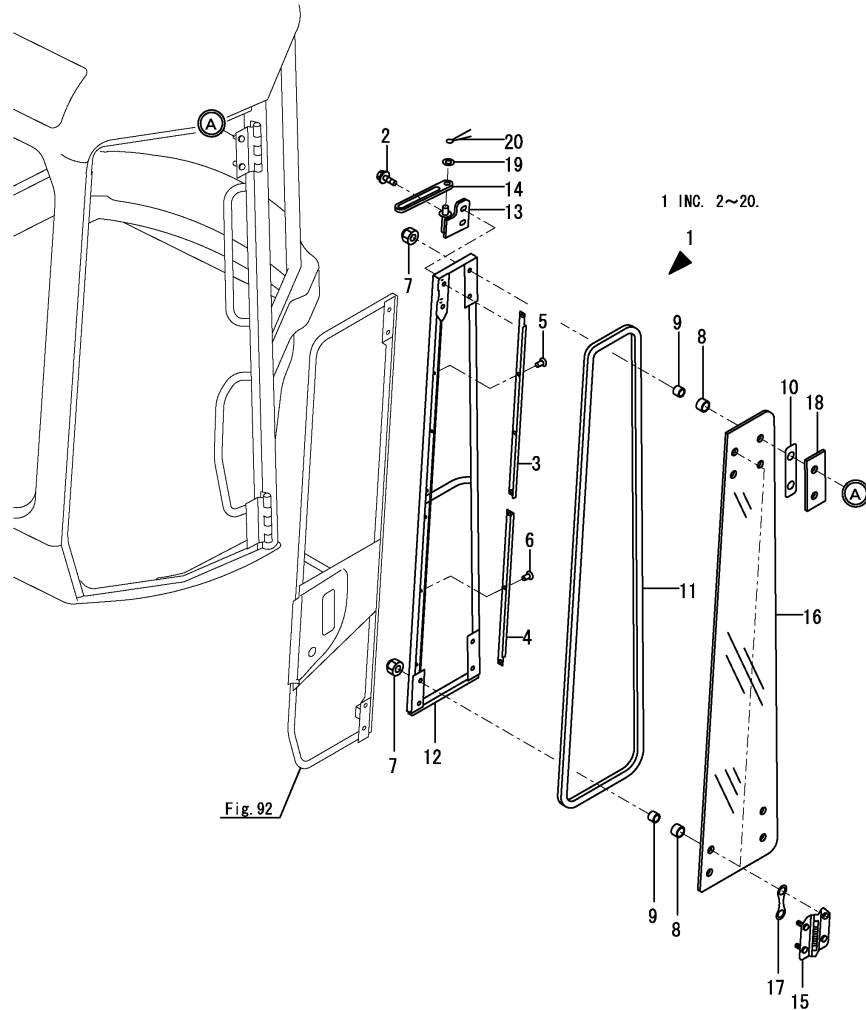
Fig.93. (41B)CABIN DOOR(REAR)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

CABIN ASSY  
 172A47-67800  
 Fig. 38 Ref No. 4  
 INC Fig. 38 Ref No. 5~30.  
 Fig. 39 Ref No. 1~44.  
 Fig. 40 Ref No. 1~18.  
 Fig. 41 Ref No. 1~22.  
 Fig. 92 Ref No. 1.

CABIN DOOR ASSY  
 172459-67821  
 Fig. 92 Ref No. 1  
 INC Fig. 92 Ref No. 2.  
 Fig. 93 Ref No. 1.



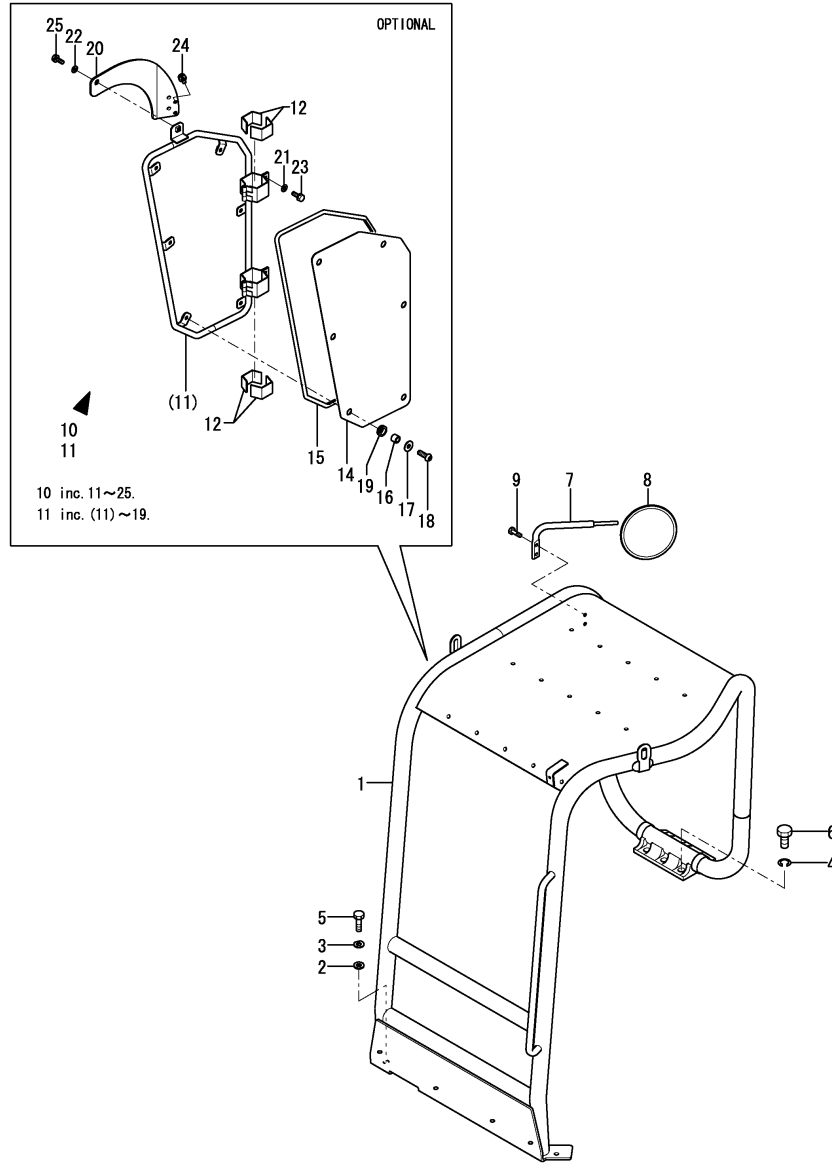
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172459-67841	DOOR ASSY	1	1	1	1				
2	4	172519-63240	BOLT	2	2	2	2				
3	4	172458-66780	UPPER PLATE,DOOR REA	1	1	1	1				
4	4	172458-66790	LOWER PLATE,DOOR REA	1	1	1	1				
5	4	172458-66800	SCREW	4	4	4	4				
6	4	172458-66800	SCREW	3	3	3	3				
7	4	172455-69140	NUT, CAP	12	12	12	12				
8	4	172455-69200	TUBE	12	12	12	12				
9	4	172455-69250	PIPE	12	12	12	12				
10	4	172455-69290	PACKING	4	4	4	4				
11	4	172458-69590	TRIM ASSY	1	1	1	1				
12	4	172458-69601	FRAME ASSY, DOOR	1	1	1	1				
13	4	172458-69730	PLATE	1	1	1	1				
14	4	172458-69760	GUIDE, STOPPER	1	1	1	1				
15	4	172458-69770	HINGE	2	2	2	2				
16	4	172458-69920	GLASS, DOOR	1	1	1	1				
17	4	172458-69960	GASKET	8	8	8	8				
18	4	172458-69990	COVER	2	2	2	2				
19	4	22137-080000	WASHER, 8	2	2	2	2				
20	4	22417-200160	PIN, COTTER 2.0X16	2	2	2	2				

Remarks  
 \* THE CONSTITUTION OF THE FIGURE WAS  
 CHANGED.

Fig.42. CANOPY

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172467-66300-1	CANOPY ASSY	1	1						1
1-1	1	172A47-67900	CANOPY ASSY	1	1	1					N 1
		(B=FROM 1ST) (C=FROM 1ST)									
1A	1	172A47-03350	LABEL,LIFT Q US	1	1						2
1A-1	1	172A47-03360	LABEL, LIFT Q US	1	1						S 2
		(B=M/#50554) (C=M/#50554)									
1A-2	1	172A47-03361	LABEL, LIFT Q US	1	1						N 2
		(B=M/#50856) (C=M/#50856)									
1A-3	1	172A47-03362	LABEL, LIFT Q US	1	1	1					N 2
		(B=M/#51056) (C=M/#51056)									
1A-4	1	172A47-03363	LABEL,LIFT Q US	1	1	1					N 2
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
1B	1	172437-03312	LABEL,SLOPE US	1	1	1					2
1C	1	172437-03441	LABEL, ROPS US	1	1	1					2
1D	1	172437-03451	LABEL, SEAT BELT US	1	1	1					2
1E	1	172437-03601	LABEL, 2-WAY US	1	1						2
1F	1	172437-03342	LABEL, TRANSPORT US	1	1						2
1F-1	1	172437-03343	LABEL, TRANSPORT US	1	1	1					S 2
		(B=M/#50554) (C=M/#50554)									
1G	1	172437-03372	LABEL, NEUTRAL US	1	1	1					2
1H	1	172A47-03410	LABEL,4 WAY US				1				2
1I	1	172472-03141	LABEL, SUPPORT US	1	1	1					2
2	1	172149-66550	WASHER	4	4	4					4
3	1	22217-120000	WASHER, SPRING 12	4	4	4					4
4	1	22217-160000	WASHER, SPRING 16	6	6	6					6
5	1	26076-120402	BOLT, 10.912X 40	4	4	4					4
6	1	26076-160402	BOLT, 10.916X 40	6	6	6					6
7	1	172A25-68301-1	BRACKET, MIRROR	1	1	1					1
8	1	172A25-68500	REARVIEW MIRROR	1	1	1					1
9	1	26013-100162	BOLT, M10X 16	2	2	2					2
9-1	1	26013-100252	BOLT, M10X 25	2	2	2					N
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
10	1	172A77-08990	GUARD	1	1	1					W 3
		(B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
11	2	172A78-67490	GUARD ASSY, CANOPY	1	1	1					1
12	3	172496-17610	RUBBER	4	4	4					4
14	3	172A78-67570	PLATE,ACRYL	1	1	1					1
15	3	172A78-67580	RUBBER 2270	1	1	1					1
16	3	172445-68810	BUSH 10.3X17.3X13	6	6	6					6
17	3	172445-68840	COLLAR	6	6	6					6
18	3	172445-68950	BOLT 10X 30	6	6	6					6
19	3	29311-164000	GROMET, 16.0X4	6	6	6					6
20	2	172A78-67550	STAY ASSY	1	1	1					1
21	2	22137-080000	WASHER, 8	4	4	4					4
22	2	22137-100000	WASHER, 10	1	1	1					1
23	2	26013-080202	BOLT, M8X 20	4	4	4					4
24	2	26013-100202	BOLT, M10X 20	2	2	2					2
25	2	26013-100252	BOLT, M10X 25	1	1	1					1

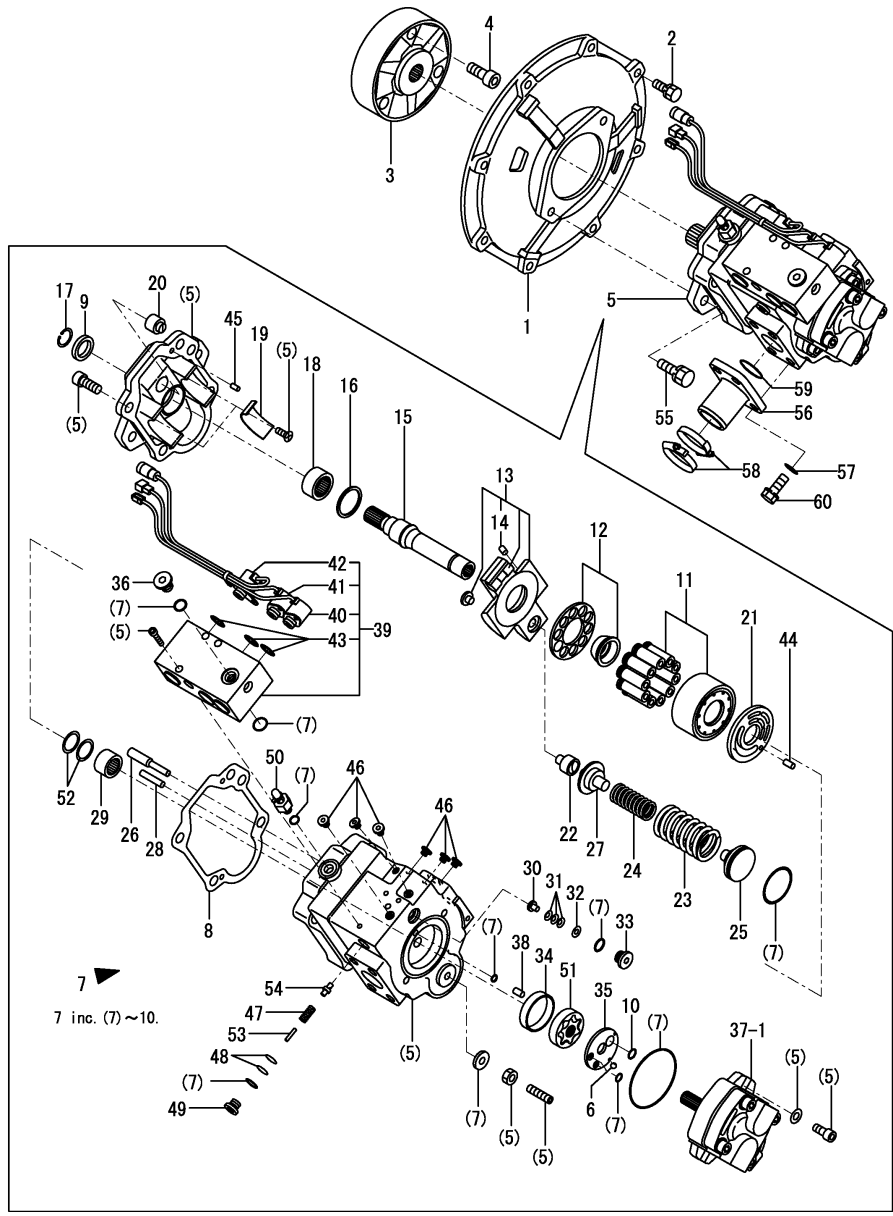
Remarks

- (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.1A,1B,1C,1D,1E,1F,1G,1H,1I.
- (2)LABELS ARE NOT ILLUSTRATED.
- (3)OPTIONAL.

Fig.43. HYD.OIL PUMP & JOINT

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-71101-4	COVER, FLYWHEEL	1	1	1	1				
2	1	26013-100302	BOLT, M10X 30	8	8	8	8				
3	1	172165-71200	COUPLING	1	1	1	1				
4	1	26450-120402	BOLT, M12X 40	3	3	3	3				
5	1	172961-73102	PUMP ASSY	1	1	1	1				
5-1	1	172961-73103	PUMP ASSY	1	1	1	1				N
				(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)				
6	2	172122-70350	BALL, STEEL	1	1	1	1				
7	2	172460-73111	SEAL SET	1	1	1	1				
8	3	172460-73170	GASKET	1	1	1	1				
9	3	172460-73190	SEAL, OIL	1	1	1	1				
10	3	172460-73400	O-RING	1	1	1	1				
11	2	172460-73121	BLOCK KIT, CYLINDER	1	1	1	1				
12	2	172460-73130	RETAINER KIT	1	1	1	1				
13	2	172460-73140	PLATE, SWASH	1	1	1	1				
14	3	172312-74790	ORIFICE	1	1	1	1				
15	2	172460-73150	SHAFT	1	1	1	1				
16	2	172460-73160	WASHER, THRUST	1	1	1	1				
17	2	172460-73180	RING, SNAP	1	1	1	1				
18	2	172460-73200	BEARING, NEEDLE	1	1	1	1				
19	2	172460-73210	BUSH	2	2	2	2				
20	2	172460-73220	STOPPER	1	1	1	1				
20-1	2	172460-73450	STOPPER	1	1	1	1				N
				(A=MZZZZZ)	(B=MZZZZZ)	(C=MZZZZZ)	(D=MZZZZZ)				
21	2	172460-73231	PLATE, VALVE	1	1	1	1				
22	2	172460-73240	HOLDER	1	1	1	1				
23	2	172461-73150	SPRING	1	1	1	1				
24	2	172461-73140	SPRING	1	1	1	1				
25	2	172461-73270	SEAT, SPRING	1	1	1	1				
26	2	172460-73280	PIN	1	1	1	1				
27	2	172176-73290	SEAT, SPRING	1	1	1	1				
28	2	172460-73290	PIN	1	1	1	1				
29	2	172460-73330	BEARING, NEEDLE	1	1	1	1				
30	2	172460-73340	STOPPER	1	1	1	1				
31	2	172460-73350	SPRING, DISK	3	3	3	3				
32	2	172460-73360	WASHER	1	1	1	1				
33	2	172460-73370	PLUG	1	1	1	1				
34	2	172460-73380	BUSH	1	1	1	1				
35	2	172460-73390	PLATE	1	1	1	1				
36	2	172148-70301	PLUG	1	1	1	1				
37-1	2	172461-73131	PUMP, GEAR	1	1	1	1				
38	2	172460-73420	PIN	1	1	1	1				
39	2	172960-73430	VALVE	1	1	1	1				
40	3	172460-73900	VALVE, SOLENOID	1	1	1	1				1
41	3	172460-73910	VALVE, SOLENOID	1	1	1	1				2
42	3	172460-73920	VALVE, SOLENOID	1	1	1	1				3
43	3	24352-190110	O-RING, 219011	3	3	3	3				
44	2	172122-73480	PIN	1	1	1	1				
45	2	172122-73480	PIN	2	2	2	2				
46	2	172452-73480	PLUG	6	6	6	6				
47	2	172176-73560	SPRING	1	1	1	1				

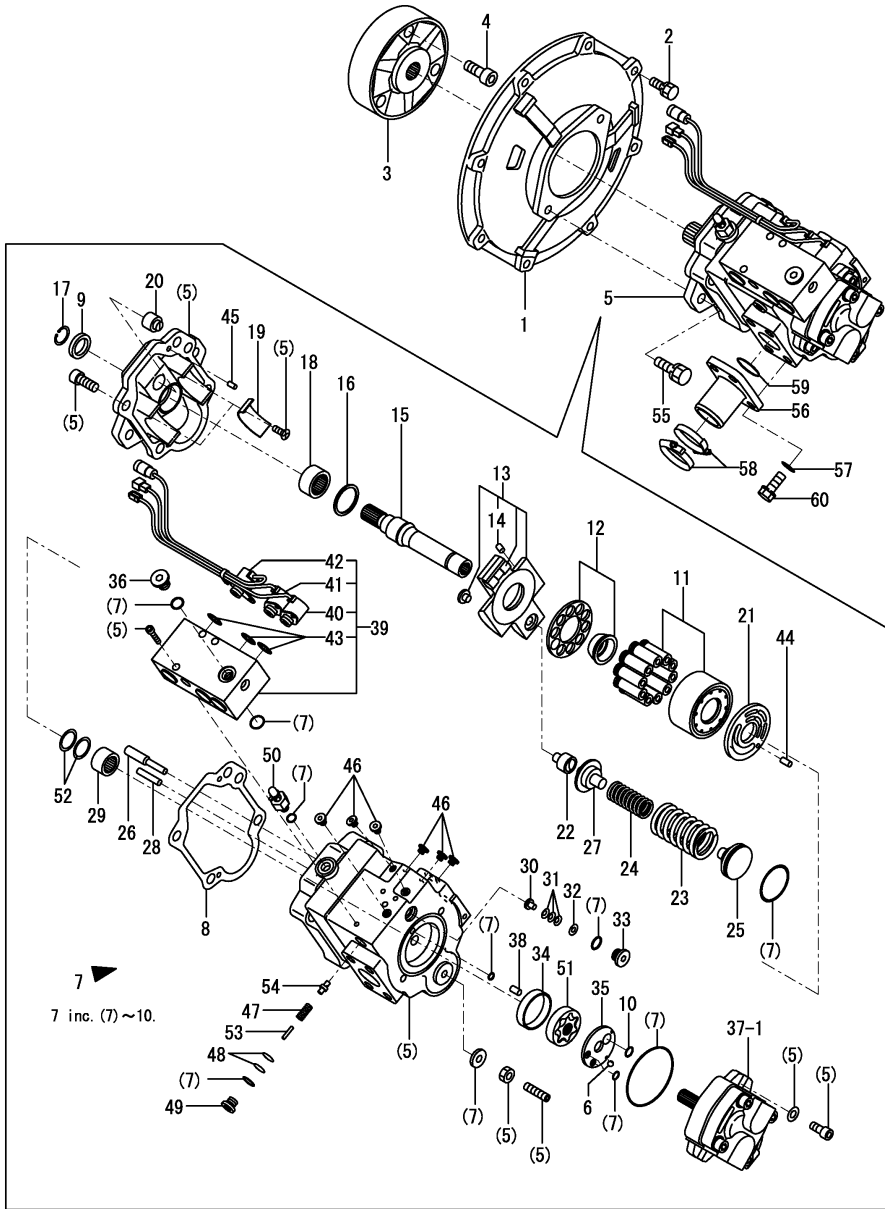
Remarks  
 (1)For safety lock.  
 (2)For second gear traveling.  
 (3)For quick coupler.

Fig.43. HYD.OIL PUMP & JOINT

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	2	172176-73590	SHIM	2	2	2	2				
49	2	172176-73600	PLUG	1	1	1	1				
50	2	172176-73690	BREEDER, AIR	1	1	1	1				
51	2	172176-73880	PUMP ASSY, TROCHOID	1	1	1	1				
52	2	172176-73910	WASHER, THRUST	2	2	2	2				
53	2	172176-73930	PIN	1	1	1	1				
54	2	172176-73940	POPPET	1	1	1	1				
55	1	26013-120352	BOLT, M12X 35	2	2	2	2				
56	1	172165-76860	FLANGE	1	1	1	1				
57	1	22117-120000	WASHER, 12	4	4	4	4				
58	1	23001-070000	CLAMP, HOSE 70	2	2	2	2				
59	1	24321-000450	O-RING, 1AG45.0	1	1	1	1				
60	1	26013-120302	BOLT, M12X 30	4	4	4	4				



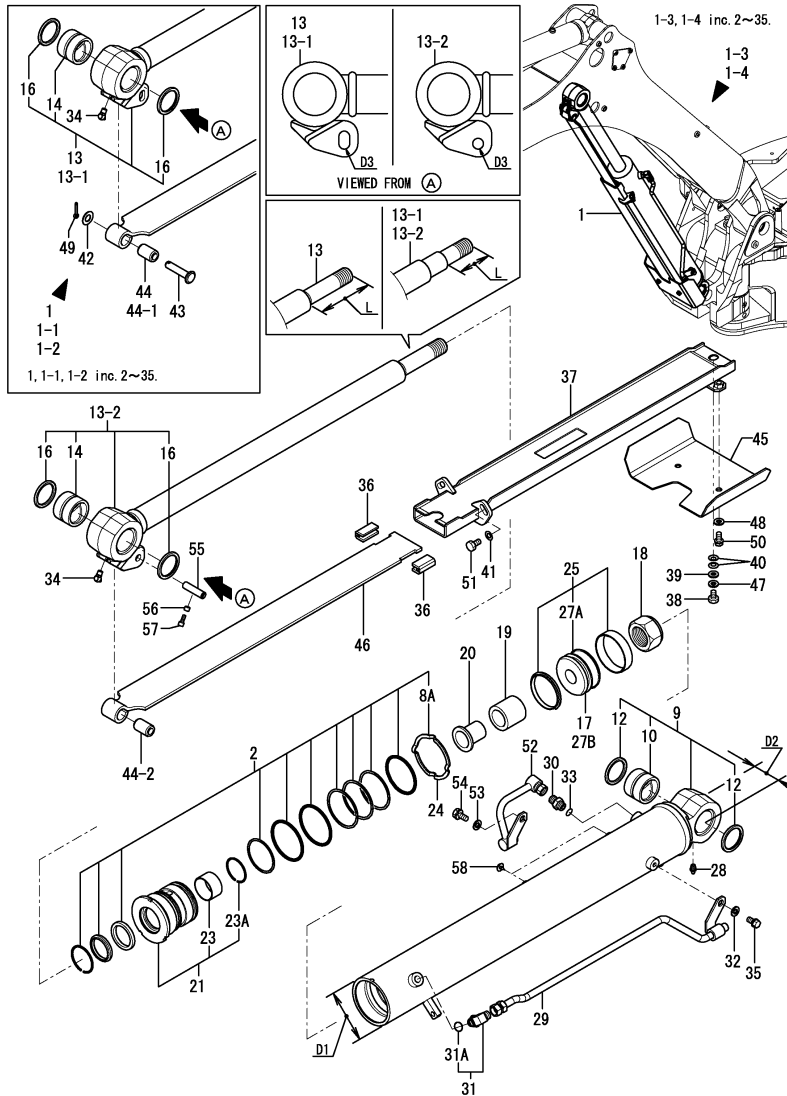
Remarks

- (1) For safety lock.
- (2) For second gear traveling.
- (3) For quick coupler.

Fig.44. BOOM CYLINDER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



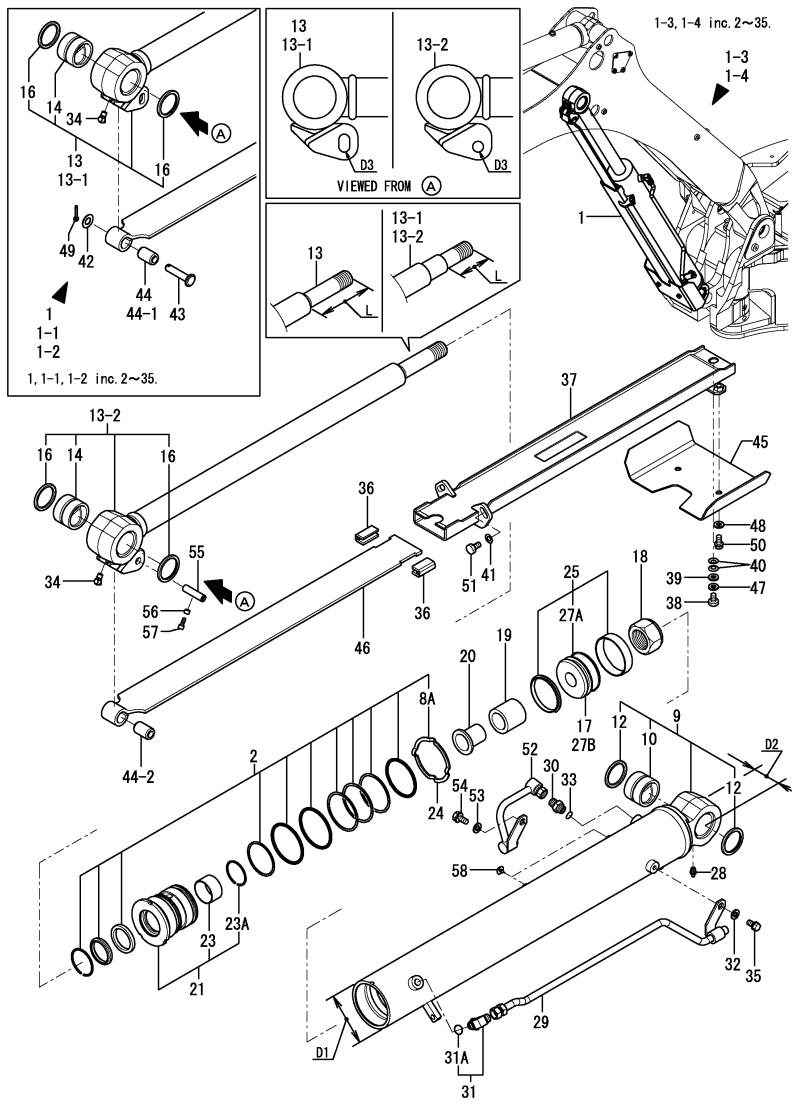
Remarks  
(1)D1=REF.NO.9:110MM,  
NO.9-1,9-2,9-3:116MM.  
D2=REF.NO.9,9-1:70MM,  
NO.9-2,9-3:73.5MM.  
(2)D3=REF.NO.13,13-1:25X15 LONG HOLE,  
NO.13-2:15MM.  
L=REF.NO.13:140.5MM,  
NO.13-1,13-2:95MM.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-72100	CYLINDER ASSY, BOOM	1	1	1					
1-1	1	172A48-72100	CYLINDER ASSY, BOOM	1	1	1					S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
1-2	1	172A48-72101	CYLINDER ASSY, BOOM	1	1	1					S
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
1-3	1	172A48-72102	CYLINDER ASSY, BOOM	1	1	1					S
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
1-4	1	172A48-72102-2	CYLINDER ASSY, BOOM	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
2	2	172A47-72900	SEAL SET, HEAD	1	1	1					
2-1	2	172A48-72280	SEAL SET, HEAD	1	1	1					S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
2-2	2	172A48-72281	SEAL SET, HEAD	1	1	1	1				N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
8A	3	172151-72290	WASHER, LOCK	1	1	1	1				W
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
9	2	172A47-72110	TUBE, BOOM	1	1	1					1
9-1	2	172A48-72110	TUBE ASSY, BOOM	1	1	1					S 1
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
9-2	2	172A48-72111-1	TUBE ASSY, BOOM	1	1	1					S 1
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
9-3	2	172A48-72111-2	TUBE ASSY, BOOM	1	1	1	1				S 1
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
10	3	172460-72180	BUSH	1	1	1					
10-1	3	172A48-72180	BUSH	1	1	1	1				S
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
12	3	172448-54120	SEAL, DUST	2	2	2	2				
13	2	172A47-72200	ROD ASSY, BOOM	1	1	1					2
13-1	2	172A48-72200	ROD ASSY, BOOM	1	1	1					S 2
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
13-2	2	172A48-72201	ROD ASSY, BOOM	1	1	1	1				S 2
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
14	3	172460-72180	BUSH	1	1	1	1				
16	3	172448-54120	SEAL, DUST	2	2	2	2				
17	2	172460-72260	PISTON	1	1	1					Z
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
18	2	172151-72270	NUT	1	1	1	1				
19	2	172460-72271	PLUNGER, CUSHION	1	1	1					
19-1	2	172A48-72310	PLUNGER, CUSHION	1	1	1	1				N
		(A=M/#50592) (B=M/#50592) (C=M/#50592)									
20	2	172460-72280	COLLAR, CUSHION	1	1	1					Z
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
21	2	172A47-72250	HEAD ASSY	1	1	1					
21-1	2	172A48-72250	HEAD ASSY	1	1	1	1				S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
23	3	172151-72540	BUSH, ROD	1	1	1					
23-1	3	172151-72240	BUSH, ROD	1	1	1	1				S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
23A	3	933111-26700	RING, SPRING	1	1	1	1				W
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
24	2	172444-72430	WASHER, LOCK	1	1	1					Z

Fig.44. BOOM CYLINDER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



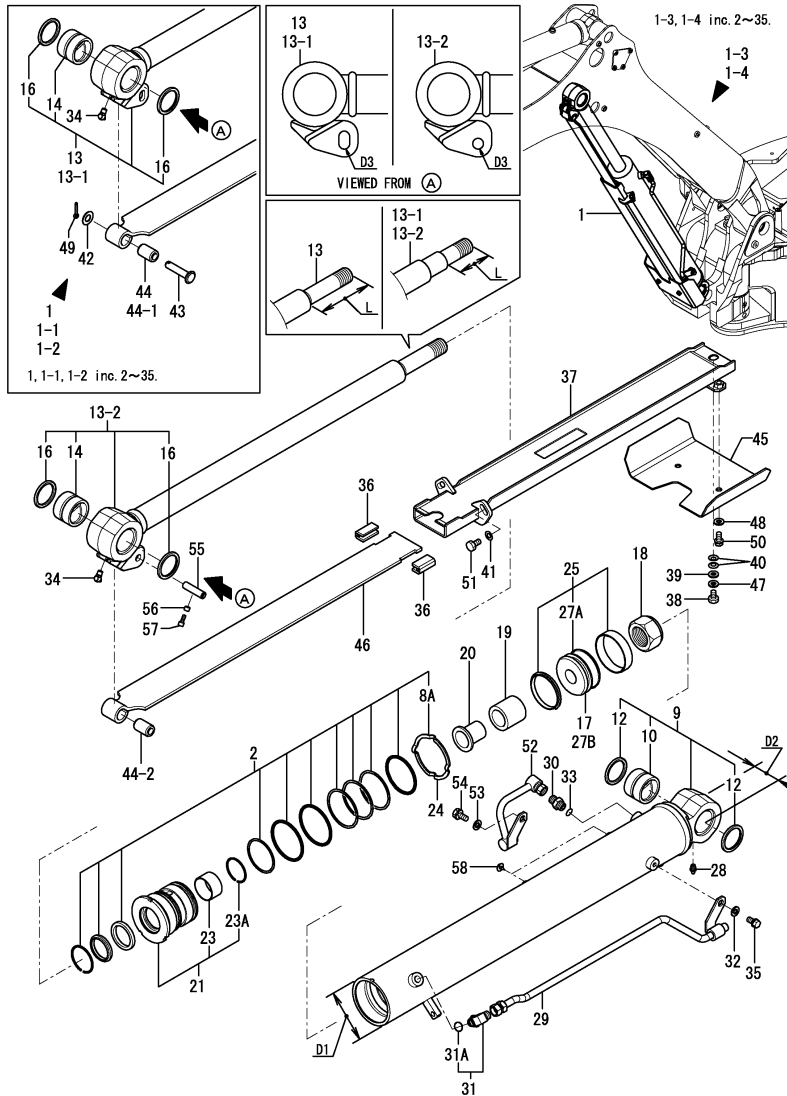
Remarks  
(1)D1=REF.NO.9:110MM,  
NO.9-1,9-2,9-3:116MM.  
D2=REF.NO.9,9-1:70MM,  
NO.9-2,9-3:73.5MM.  
(2)D3=REF.NO.13,13-1:25X15 LONG HOLE,  
NO.13-2:15MM.  
L=REF.NO.13:140.5MM,  
NO.13-1,13-2:95MM.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
25	2	172444-72890	SEAL SET, PISTON	1	1	1					
25-1	2	172A48-72290	SEAL SET, PISTON	1	1	1					S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
25-2	2	172491-72260	SEAL SET, PISTON	1	1	1	1				N
		(A=M/#50965) (B=M/#50965) (C=M/#50965)									
27A	3	172A48-72270	PISTON	1	1	1					W
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
27A-1	3	172A48-72270	PISTON	1	1	1					Z
		(A=M/#50965) (B=M/#50965) (C=M/#50965)									
27B	2	172A48-72270	PISTON	1	1	1	1				W
		(A=M50965) (B=M50965) (C=M50965) (D=M50965)									
28	2	24761-020000	NIPPLE, GREASE PT1/8	1	1	1	1				
29	2	172A47-72170-1	PIPE ASSY, BOOM	1	1	1	1				
29-1	2	172A47-72170-2	PIPE ASSY, BOOM	1	1	1	1				S
		(A=M50922) (B=M50922) (C=M50922) (D=M50922)									
30	2	172730-75141	ADAPTER	1	1	1	1				
31	2	172142-76181	JOINT ASSY	1	1	1	1				
31A	3	24315-000140	O-RING, 1BP14.0	1	1	1	1				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
32	2	22137-100000	WASHER, 10	1	1	1	1				
33	2	24315-000140	O-RING, 1BP14.0	1	1	1					
33-1	2	41851-000140	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
34	2	24761-040000	NIPPLE, GREASE B	1	1	1	1				
35	2	26013-100202	BOLT, SPRING M10X 20	1	1	1	1				
36	1	172A23-72081	GUIDE, SLIDE	2	2	2	2				
37	1	172A47-72800	GUIDE ASSY	1	1	1					
37-1	1	172A47-72800-2	GUIDE ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
38	1	26116-100162	BOLT, M10X 16 PLATED	1	1	1	1				
39	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1				
40	1	933168-14170	SPRING	2	2	2	2				
41	1	172137-46040	SEAT, SPRING	2	2	2					
41-1	1	172137-46041	SEAT, SPRING	2	2	2					N
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
41-2	1	172137-46042	SEAT, SPRING	2	2	2	2				N
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
42	1	172A23-72020	WASHER	1	1	1					Z
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
43	1	172A23-72042	PIN	1	1	1					
43-1	1	172A46-72040	PIN	1	1	1					N
		(A=M/#50646) (B=M/#50679) (C=M/#50646)									
43-2	1	172A46-72040	PIN	1	1	1					Z
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
44	1	172A23-72050	GROMMET	1	1	1					
44-1	1	172A23-72051	GROMMET	1	1	1					N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
44-2	1	172A23-72052	GROMMET	1	1	1	1				N
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
45	1	172A47-72820	COVER, HOSE	1	1	1	1				

Fig.44. BOOM CYLINDER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
45-1	1	172A47-72820-2	COVER, HOSE (A=M/#50922) (B=M/#50922) (C=M/#50922) (D=M/#50922)	1	1	1	1				S
46	1	172A27-72950-1	PLATE, SLIDE	1	1	1					N
46-1	1	172A27-72951-1	PLATE, SLIDE (A=M/#50646) (B=M/#50646) (C=M/#50646)	1	1	1					N
46-2	1	172A27-72951-2	PLATE, SLIDE (A=M/#50922) (B=M/#50922) (C=M/#50922)	1	1	1	1				S
47	1	22217-100000	WASHER, SPRING 10	1	1	1	1				
48	1	22217-100000	WASHER, SPRING 10	2	2	2	2				
49	1	22417-500250	PIN, COTTER 5.0X25 (A=M/#50779) (B=M/#50779) (C=M/#50779)	1	1	1					Z
50	1	26013-100202	BOLT, SPRING M10X 20	2	2	2	2				
51	1	26076-100202	BOLT, 10.910X 20	2	2	2	2				
52	1	172A47-72770-1	PIPE ASSY, BOOM (A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)	1	1	1					W
52-1	1	172A47-72770-2	PIPE ASSY, BOOM (A=M/#50922) (B=M/#50922) (C=M/#50922)	1	1	1	1				S
53	1	22137-100000	WASHER, 10 (A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)	1	1	1	1				W
54	1	26013-100202	BOLT, SPRING M10X 20 (A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)	1	1	1	1				W
55	1	172A23-72043	SHAFT (A=M/#50779) (B=M/#50779) (C=M/#50779)	1	1	1	1				W
56	1	172A46-72070	SPACER (A=M/#50779) (B=M/#50779) (C=M/#50779)	1	1	1	1				W
57	1	26450-060162	BOLT, M6X 16 (A=M/#50779) (B=M/#50779) (C=M/#50779)	1	1	1	1				W
57-1	1	172A47-72840	BOLT (A=M/#50965) (B=M/#50965) (C=M/#50965)	1	1	1	1				N
58	1	172183-81160	CLIP, TREE	2	2	2	2				

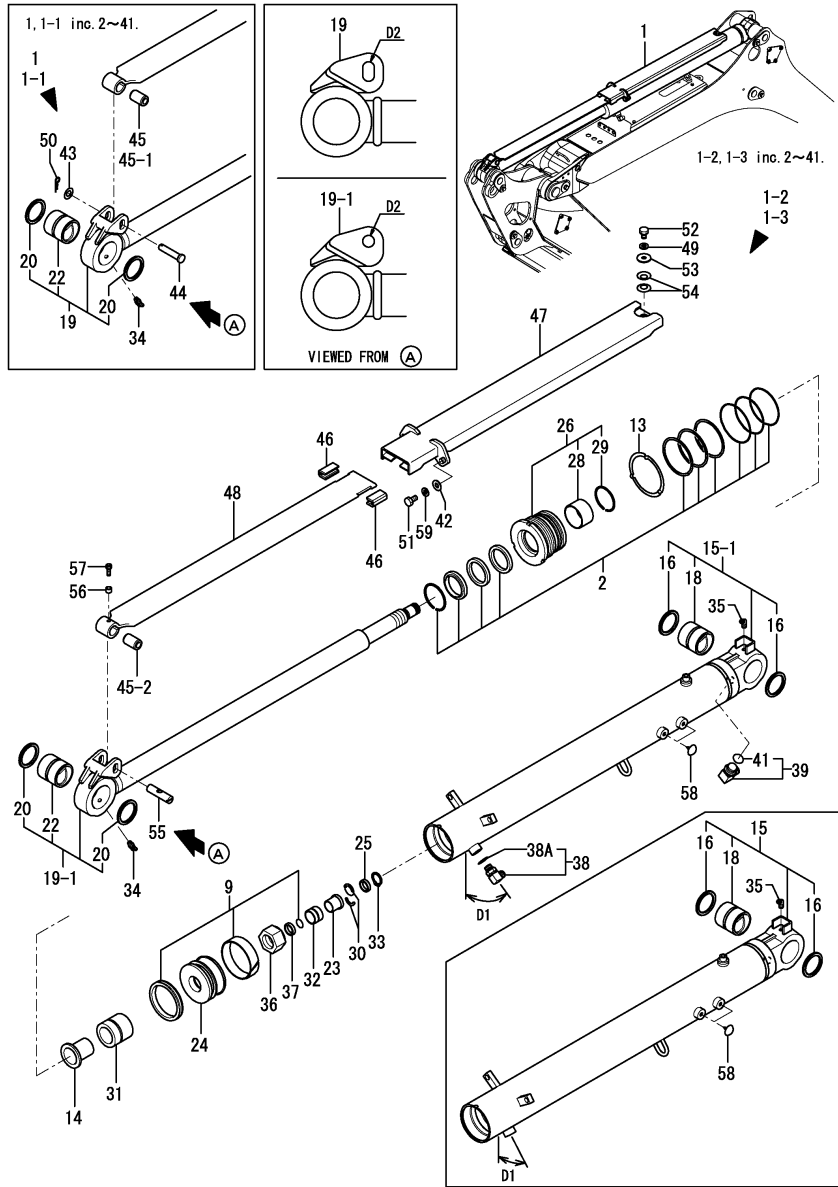
Remarks  
 (1)D1=REF.NO.9:110MM,  
 NO.9-1,9-2,9-3:116MM.  
 D2=REF.NO.9,9-1:70MM,  
 NO.9-2,9-3:73.5MM.  
 (2)D3=REF.NO.13,13-1:25X15 LONG HOLE,  
 NO.13-2:15MM.  
 L=REF.NO.13:140.5MM,  
 NO.13-1,13-2:95MM.



Fig.45. ARM CYLINDER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



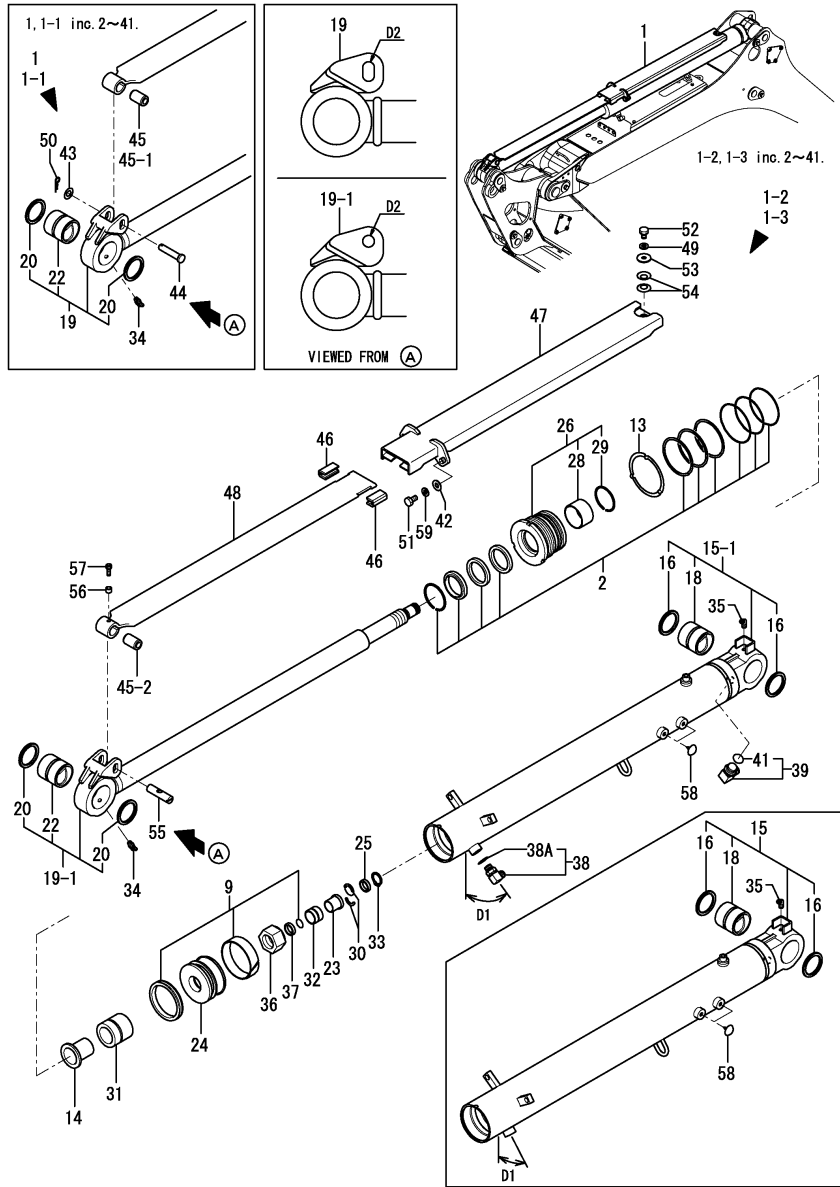
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-72300	CYLINDER ASSY, ARM	1	1	1					
1-1	1	172A47-72301	CYLINDER ASSY, ARM	1	1	1					S
		(A=M/#50592) (B=M/#50592) (C=M/#50592)									
1-2	1	172A47-72302	CYLINDER ASSY, ARM	1	1	1					S
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
1-3	1	172A47-72302-2	CYLINDER ASSY, ARM	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
2	2	172A47-72910	SEAL SET, HEAD	1	1	1					
2-1	2	172A47-72911	SEAL SET, HEAD	1	1	1	1				N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
9	2	172461-72020	SEAL SET, PISTON	1	1	1	1				
13	2	172146-72270	WASHER, LOCK	1	1	1	1				
14	2	172461-72520	COLLAR, CUSHION	1	1	1	1				
15	2	172A47-72310	TUBE, ARM	1	1	1					1
15-1	2	172A47-72311	TUBE, ARM	1	1	1					S 1
		(A=M/#50592) (B=M/#50592) (C=M/#50592)									
15-2	2	172A47-72311-2	TUBE, ARM	1	1	1	1				S 1
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
16	3	172448-54120	SEAL, DUST	2	2	2	2				
18	3	172151-72591	BUSH	1	1	1	1				
19	2	172A47-72400	ROD ASSY, ARM	1	1	1					2
19-1	2	172A47-72401	ROD ASSY, ARM	1	1	1	1				S 2
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
20	3	172448-54120	SEAL, DUST	2	2	2	2				
22	3	172151-72591	BUSH	1	1	1	1				
23	2	172458-72460	COLLAR, CUSHION	1	1	1	1				
24	2	172461-72500	PISTON	1	1	1	1				
25	2	172458-72470	COVER, STOPPER	1	1	1	1				
26	2	172A47-72450	HEAD ASSY	1	1	1					
26-1	2	172A47-72451	HEAD ASSY	1	1	1	1				N
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
28	3	172151-72540	BUSH, ROD	1	1	1	1				
29	3	933125-94500	RING, SPRING	1	1	1	1				W
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
30	2	172423-72540	STOPPER	2	2	2	2				
31	2	172461-72511	PLUNGER, CUSHION	1	1	1	1				
32	2	172460-72941	PLUNGER, CUSHION	1	1	1	1				
33	2	22242-000260	RING, 26	1	1	1	1				
34	2	24761-040000	NIPPLE, GREASE B	1	1	1	1				
35	2	24761-050000	NIPPLE, GREASE C	1	1	1	1				
36	2	172151-72580	NUT	1	1	1	1				
37	2	172423-72530	SPACER	1	1	1	1				
38	2	172142-76181	JOINT ASSY	1	1	1	1				
38A	3	24315-000140	O-RING, 1BP14.0	1	1	1	1				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
39	2	172141-76900	CONNECTOR ASSY	1	1	1	1				
41	3	24315-000180	O-RING, 1BP18.0	1	1	1	1				
42	1	172137-46040	SEAT, SPRING	2	2	2					
42-1	1	172137-46041	SEAT, SPRING	2	2	2					N
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
42-2	1	172137-46042	SEAT, SPRING	2	2	2	2				N

Remarks  
(1)D1=REF.NO.15:40 DEG.,  
NO.15-1,15-2:55 DEG.,  
(2)D2=REF.NO.19:25X15 LONG HOLE,  
NO.19-1:15MM.

Fig.45. ARM CYLINDER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
43	1	(A=M/#50740)	(B=M/#50740)	(C=M/#50740)							
		172A23-72020	WASHER	1	1	1				Z	
		(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
44	1	172A23-72042	PIN	1	1	1					
44-1	1	172A46-72040	PIN	1	1	1				N	
44-2	1	(A=M/#50646)	(B=M/#50646)	(C=M/#50646)							
		172A46-72040	PIN	1	1	1				Z	
		(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
45	1	172A23-72050	GROMMET	1	1	1					
45-1	1	172A23-72051	GROMMET	1	1	1				N	
45-2	1	(A=M/#50646)	(B=M/#50646)	(C=M/#50646)							
		172A23-72052	GROMMET	1	1	1	1			N	
		(A=M/#50740)	(B=M/#50740)	(C=M/#50740)							
46	1	172A23-72081	GUIDE, SLIDE	2	2	2	2				
47	1	172A27-72900-1	GUIDE ASSY	1	1	1					
47-1	1	172A27-72900-2	GUIDE ASSY	1	1	1	1			S	
48	1	(A=M/#50922)	(B=M/#50922)	(C=M/#50922)							
		172A27-72950-1	PLATE, SLIDE	1	1	1					
		(A=M/#50646)	(B=M/#50646)	(C=M/#50646)							
48-1	1	172A27-72951-1	PLATE, SLIDE	1	1	1				N	
48-2	1	(A=M/#50646)	(B=M/#50646)	(C=M/#50646)							
		172A27-72951-2	PLATE, SLIDE	1	1	1	1			S	
		(A=M/#50922)	(B=M/#50922)	(C=M/#50922)							
49	1	22217-100000	WASHER, SPRING 10	1	1	1	1				
50	1	22417-500250	PIN, COTTER 5.0X25	1	1	1				Z	
51	1	(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
		26076-100202	BOLT, 10.910X 20	2	2	2	2				
		(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
52	1	26116-100162	BOLT, M10X 16 PLATED	1	1	1	1				
53	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1				
54	1	933168-14170	SPRING	2	2	2	2				
55	1	172A23-72043	SHAFT	1	1	1	1			W	
56	1	(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
		172A46-72070	SPACER	1	1	1	1			W	
		(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
57	1	26450-060162	BOLT, M6X 16	1	1	1	1			W	
57-1	1	(A=M/#50779)	(B=M/#50779)	(C=M/#50779)							
		172A47-72840	BOLT	1	1	1	1			N	
		(A=M/#50965)	(B=M/#50965)	(C=M/#50965)							
58	1	172183-81160	CLIP, TREE	2	2	2	2				
59	1	22217-100000	WASHER, SPRING 10	2	2	2	2				

Remarks

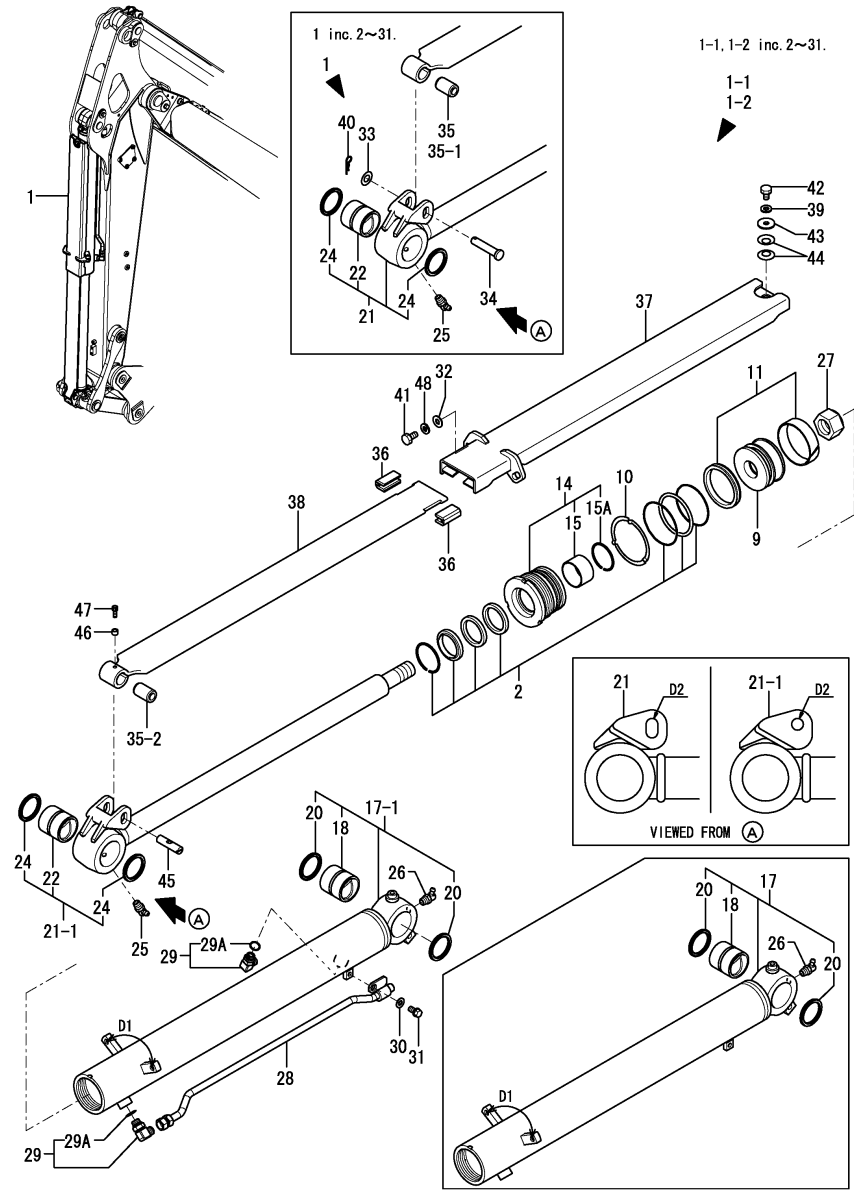
(1)D1=REF.NO.15:40 DEG.,  
NO.15-1,15-2:55 DEG.,  
(2)D2=REF.NO.19:25X15 LONG HOLE,  
NO.19-1:15MM.

N:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{No} \end{matrix}$  New, Q:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{Yes} \end{matrix}$  New, R:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{Yes} \end{matrix}$  New, S:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{No} \end{matrix}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.46. BUCKET CYLINDER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



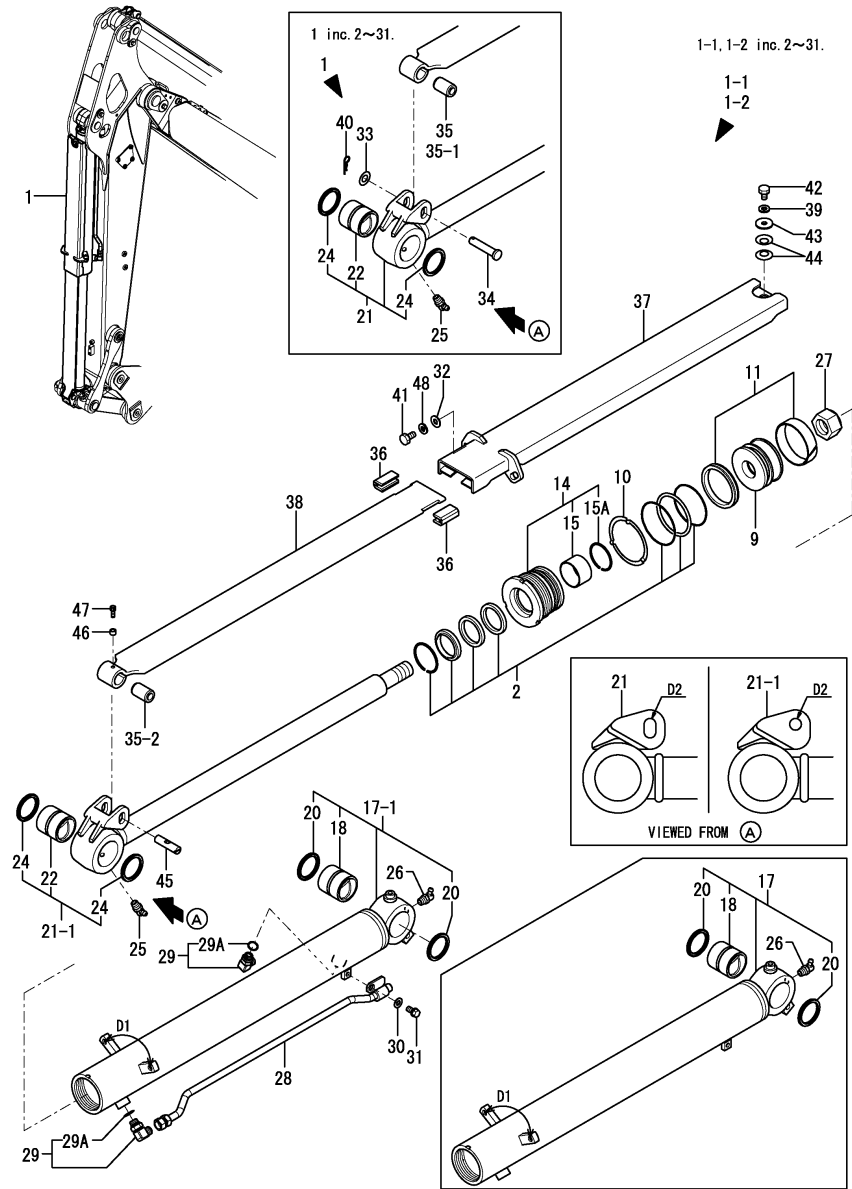
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-72500	CYLINDER ASSY	1	1	1					
1-1	1	172A47-72501	CYLINDER ASSY	1	1	1					S
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
1-2	1	172A47-72501-2	CYLINDER ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
2	2	172A47-72920	SEAL SET, HEAD	1	1	1					
2-1	2	172A47-72921	SEAL SET, HEAD	1	1	1	1				N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
9	2	172148-72050	PISTON	1	1	1	1				
10	2	172141-72190	WASHER, LOCK	1	1	1	1				
11	2	172960-72630	SEAL SET, PISTON	1	1	1	1				
14	2	172A47-72650	HEAD ASSY	1	1	1					
14-1	2	172A47-72651	HEAD ASSY	1	1	1	1				N
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
15	3	172151-72540	BUSH, ROD	1	1	1	1				
15A	3	933125-94500	RING, SPRING	1	1	1	1				W
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
17	2	172A47-72510	TUBE, BUCKET	1	1	1					1
17-1	2	172A47-72511-2	TUBE, BUCKET	1	1	1					S 1
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
17-2	2	172A47-72511-3	TUBE, BUCKET	1	1	1	1				S 1
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
18	3	172165-72320	BUSH	1	1	1	1				
20	3	172168-81410	SEAL, DUST	2	2	2	2				
21	2	172A47-72600	ROD ASSY, BUCKET	1	1	1					2
21-1	2	172A47-72601	ROD ASSY, BUCKET	1	1	1	1				S 2
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
22	3	172151-72670	BUSH	1	1	1	1				
24	3	172168-81410	SEAL, DUST	2	2	2	2				
25	2	24761-040000	NIPPLE, GREASE B	1	1	1	1				
26	2	24761-050000	NIPPLE, GREASE C	1	1	1	1				
27	2	933111-20200	NUT	1	1	1	1				
28	2	172A47-72550-1	PIPE ASSY, BUCKET	1	1	1	1				
28-1	2	172A47-72550-2	PIPE ASSY, BUCKET	1	1	1	1				S
		(A=M50922) (B=M50922) (C=M50922) (D=M50922)									
29	2	172142-76181	JOINT ASSY	2	2	2	2				
29A	3	24315-000140	O-RING, 1BP14.0	2	2	2	2				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
30	2	22137-100000	WASHER, 10	1	1	1	1				
31	2	26013-100202	BOLT, SPRING M10X 20	1	1	1	1				
32	1	172137-46040	SEAT, SPRING	2	2	2					
32-1	1	172137-46041	SEAT, SPRING	2	2	2					N
		(A=M/#50732) (B=M/#50732) (C=M/#50732)									
32-2	1	172137-46042	SEAT, SPRING	2	2	2	2				N
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
33	1	172A23-72020	WASHER	1	1	1					Z
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
34	1	172A23-72042	PIN	1	1	1					
34-1	1	172A46-72040	PIN	1	1	1					N
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
34-2	1	172A46-72040	PIN	1	1	1	1				Z

Remarks  
(1)D1=REF.NO.17:114 DEG.,  
NO.17-1,17-2:106 DEG.  
(2)D2=REF.NO.21:25X15 LONG HOLE,  
NO.21-1:15MM.

Fig.46. BUCKET CYLINDER

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



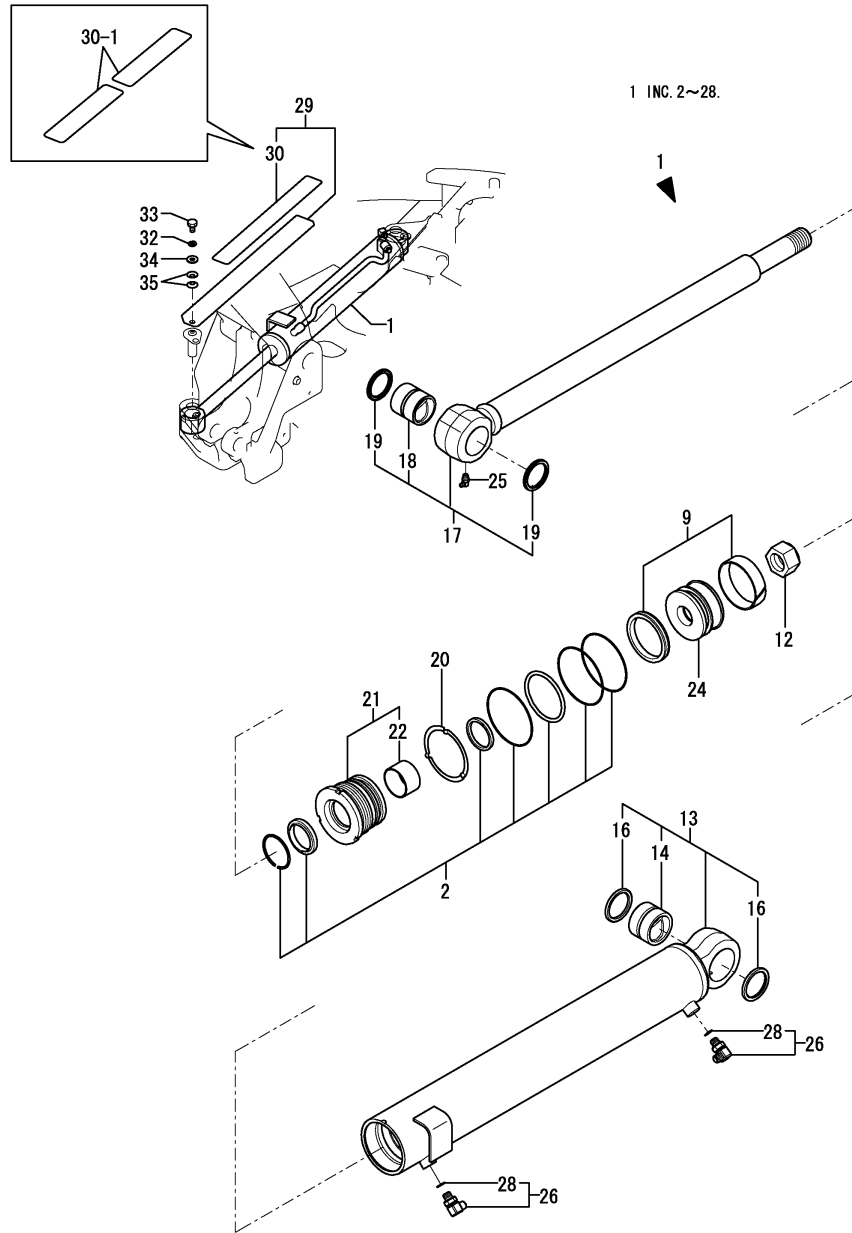
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
35	1	172A23-72050	GROMMET	1	1	1					
35-1	1	172A23-72051	GROMMET	1	1	1					N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
35-2	1	172A23-72052	GROMMET	1	1	1	1				N
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
36	1	172A23-72081	GUIDE, SLIDE	2	2	2	2				
37	1	172A47-72850	GUIDE ASSY	1	1	1					
37-1	1	172A47-72850-2	GUIDE ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
38	1	172A47-72880	PLATE, SLIDE	1	1	1					
38-1	1	172A47-72881-1	PLATE, SLIDE	1	1	1					N
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
38-2	1	172A47-72881-2	PLATE, SLIDE	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
39	1	22217-100000	WASHER, SPRING 10	1	1	1	1				
40	1	22417-500250	PIN, COTTER 5.0X25	1	1	1					Z
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
41	1	26076-100202	BOLT, 10.910X 20	2	2	2	2				
42	1	26116-100162	BOLT, M10X 16 PLATED	1	1	1	1				
43	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1				
44	1	933168-14170	SPRING	2	2	2	2				
45	1	172A23-72043	SHAFT	1	1	1	1				W
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
46	1	172A46-72070	SPACER	1	1	1	1				W
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
47	1	26450-060162	BOLT, M6X 16	1	1	1					W
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
47-1	1	172A47-72840	BOLT	1	1	1	1				N
		(A=M/#50965) (B=M/#50965) (C=M/#50965)									
48	1	22217-100000	WASHER, SPRING 10	2	2	2	2				

Remarks  
(1)D1=REF.NO.17:114 DEG.,  
NO.17-1,17-2:106 DEG.  
(2)D2=REF.NO.21:25X15 LONG HOLE,  
NO.21-1:15MM.

Fig.47. SWING CYLINDER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

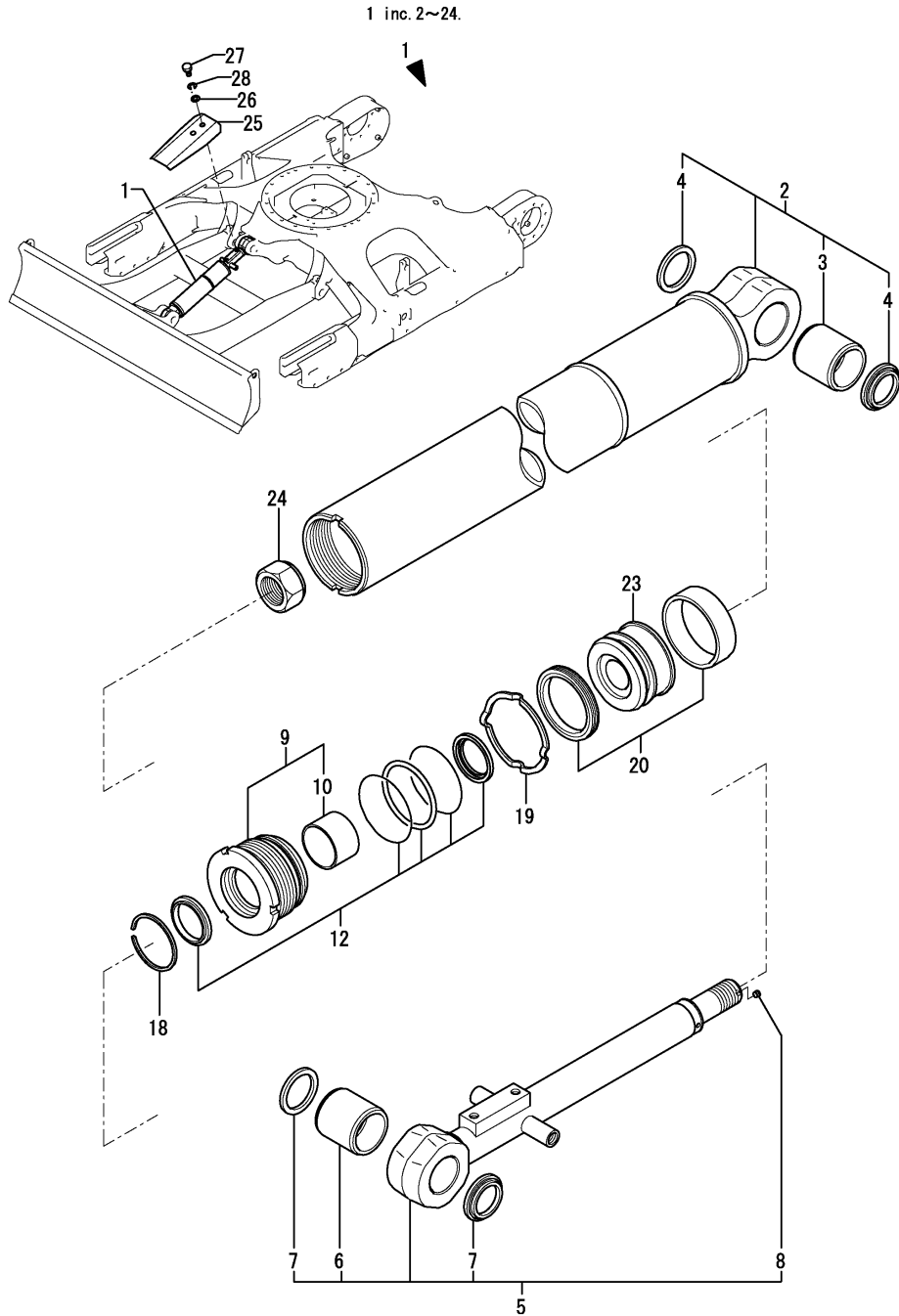


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-72700	CYLINDER ASSY, SWING	1	1	1	1				
2	2	172460-72040	SEAL SET, HEAD	1	1	1	1				
9	2	172460-72050	SEAL SET, PISTON	1	1	1	1				
12	2	933111-20200	NUT	1	1	1	1				
13	2	172A47-72710	TUBE ASSY, SWING	1	1	1	1				
14	3	172458-72740	BUSH 40X40,SO	1	1	1	1				
16	3	172448-72650	SEAL, DUST	2	2	2	2				
17	2	172460-72850	ROD ASSY, SWING	1	1	1					
17-1	2	172460-72540	ROD ASSY, SWING	1	1	1	1				N
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
18	3	172165-72310	BUSH 40X40	1	1	1	1				
19	3	172448-72650	SEAL, DUST	2	2	2	2				
20	2	172151-72870	LOCK WASHER 90	1	1	1	1				
21	2	172460-72880	HEAD	1	1	1	1				
22	3	24550-045300	BUSH, 45X30	1	1	1	1				
24	2	172460-72900	PISTON	1	1	1	1				
25	2	24761-050000	NIPPLE, GREASE C	1	1	1	1				
26	2	172141-76180	CONNECTOR ASSY	2	2	2					
26-1	2	172141-76181	CONNECTOR ASSY, 02FF	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
28	3	24315-000110	O-RING, 1BP11.0	2	2	2	2				
28-1	3	41851-000110	O-RING	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
29	1	172460-72950-2	COVER, SWING	1	1	1	1				2
30	2	172164-62430	SHEET	1	1	1	1				2
30-1	2	172164-62431	SHEET	2	2	2	2				F 1
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
32	1	22217-100000	WASHER, SPRING 10	1	1	1	1				2
33	1	26116-100162	BOLT, M10X 16 PLATED	1	1	1	1				2
34	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1				2
35	1	933168-14170	SPRING	2	2	2	2				2

Remarks

- (1)PLEASE CHANGE TWO WITH A SET.
- (2)CANOPY SPEC.

Fig.48. BLADE CYLINDER



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

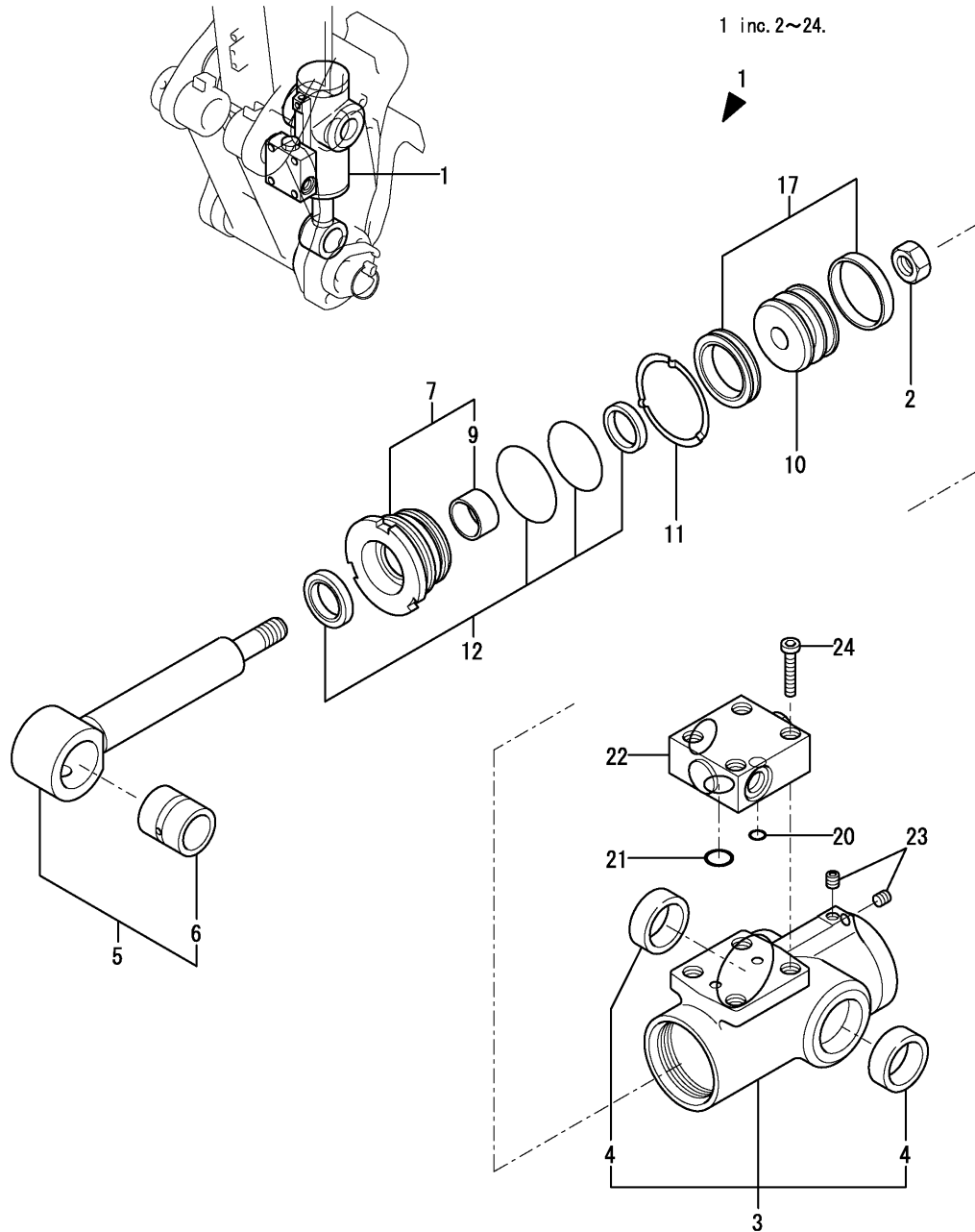
(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172960-72600-2	CYLINDER ASSY, BLADE	1	1	1	1				
2	2	172960-72610-2	TUBE, BLADE	1	1	1					
2-1	2	172960-72640-1	TUBE ASSY, BLADE	1	1	1	1				N
3	3	(A=M/#50572) 172151-72670	BUSH 45 50	1	1	1	1				
4	3	(B=M/#50572) 172168-81410	SEAL, DUST	2	2	2	2				
5	2	(C=M/#50572) 172423-72731	ROD ASSY, BLADE	1	1	1					
5-1	2	(A=M/#50572) 172423-72620	ROD ASSY, BLADE	1	1	1	1				N
6	3	(B=M/#50572) 172151-72670	BUSH 45 50	1	1	1	1				
7	3	(C=M/#50572) 172168-81410	SEAL, DUST	2	2	2	2				
8	3	23871-010000	PLUG, R01	1	1	1	1				
9	2	172151-71591	HEAD ASSY 90 50	1	1	1	1				
10	3	172151-72540	BUSH 50 35, ROD	1	1	1	1				
12	2	172151-71881	SEAL SET, HEAD	1	1	1	1				
18	2	933111-26700	RING 65, SPRING	1	1	1	1				
19	2	172151-72870	LOCK WASHER 90	1	1	1	1				
20	2	172460-72050	SEAL SET, PISTON	1	1	1	1				
23	2	172423-72800	PISTON 90	1	1	1	1				
24	2	172151-72580	NUT	1	1	1	1				
25	1	172445-72670-3	COVER, BLADE	1	1	1	1				
26	1	22137-120000	WASHER, 12	2	2	2	2				
27	1	26116-120252	BOLT, M12X 25 PLATED	2	2	2	2				
27-1	1	26013-120202	BOLT, M12X 20	2	2	2	2				N
28	1	(A=MZZZZZ) 22217-120000	WASHER, SPRING 12	2	2	2	2				Z

Fig.49. QUICK COUPLER CYLINDER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

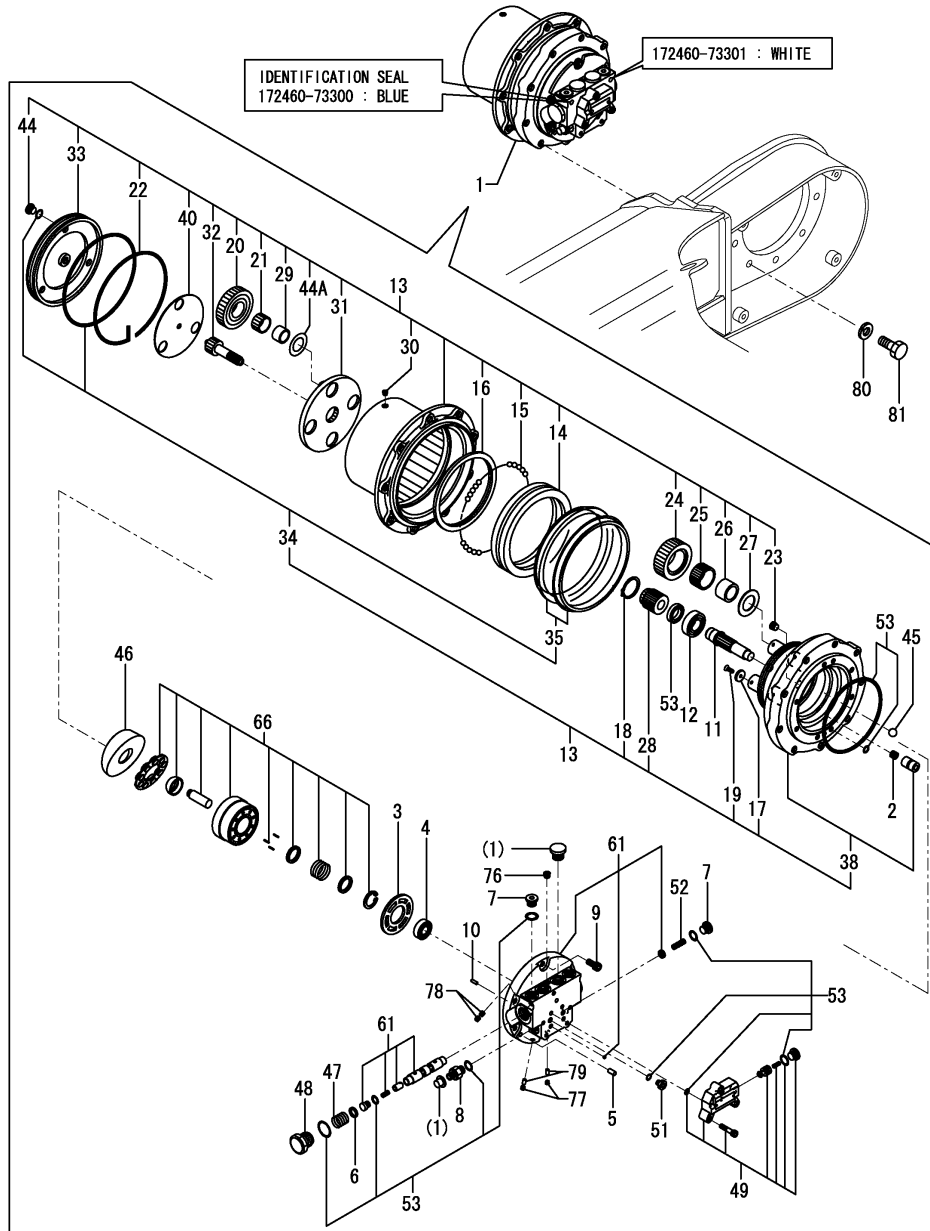


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172960-72800-1	CYLINDER ASSY, HITCH	1	1	1					
1-1	1	172960-72800-2	CYLINDER ASSY, HITCH	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
2	2	172171-72130	NUT, M24	1	1	1					
2-1	2	172141-72580	NUT, M20	1	1	1	1				N
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
3	2	172960-72810-1	TUBE, HITCH	1	1	1					
3-1	2	172960-72810-2	TUBE, HITCH	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
4	3	172960-72950	BUSH	2	2	2	2				
5	2	172960-72830	ROD ASSY, COUPLER	1	1	1					
5-1	2	172960-72880	ROD ASSY, HITCH	1	1	1	1				N
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
6	3	172960-72920	BUSH	1	1	1	1				
7	2	172960-72860	HEAD	1	1	1	1				
9	3	24550-035200	BUSH, 35X20	1	1	1	1				
10	2	172960-72890	PISTON	1	1	1	1				
11	2	172960-72900	WASHER	1	1	1	1				
12	2	172960-72960	SEAL SET, HEAD	1	1	1	1				
17	2	172960-72970	SEAL SET, PISTON	1	1	1	1				
20	2	172958-72950	O-RING	1	1	1	1				
21	2	172958-72960	O-RING	1	1	1	1				
22	2	172958-72982-1	VALVE, CHECK	1	1	1					
22-1	2	172958-72982-2	VALVE, CHECK	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
23	2	23871-005000	PLUG, R005	2	2	2	2				
24	2	26450-060352	BOLT, M6X 35	4	4	4	4				

Fig.50. TRAVEL MOTOR

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172460-73300	MOTOR ASSY, TRAVEL	2	2	2					
1-1	1	172460-73301	MOTOR ASSY, TRAVEL	2	2	2	2				R
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
2	2	172147-70360	SPRING	4	4	4					
2-1	2	172147-70361	SPRING	4	4	4	4				S
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
3	2	172147-70370	PLATE, VALVE	2	2	2					
3-1	2	172147-70371	PLATE, VALVE	2	2	2	2				R
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
4	2	172147-70390	BEARING, BALL	2	2	2	2				
5	2	172122-70410	PIN	4	4	4	4				
6	2	172122-70460	SEAT, SPRING	4	4	4	4				
7	2	172147-70500	PLUG	6	6	6	6				
8	2	172147-70520	PLUG	2	2	2					
8-1	2	172458-73830	PLUG	2	2	2	2				S
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
9	2	172147-70540	BOLT, SOCKET HEAD	12	12	12	12				
10	2	172122-73470	PIN	2	2	2	2				
11	2	172423-73470	SHAFT	2	2	2	2				
12	2	172423-73480	BEARING, BALL	2	2	2	2				
13	2	172460-73500	GEAR, REDUCTION	2	2	2					
13-1	2	172460-73501	GEAR, REDUCTION	2	2	2	2				S
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
14	3	172124-70010	BEARING, ANGULAR	2	2	2	2				
15	3	172124-70030	BALL, STEEL	198	198	198	198				
16	3	172124-70050	NUT, RING	2	2	2					
16-1	3	172124-70051	NUT, RING	2	2	2	2				R
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
17	3	172147-70070	PLATE, THRUST	2	2	2	2				
18	3	172147-70090	RING, SNAP	2	2	2					Z
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
19	3	172141-70110	SCREW	8	8	8	8				
20	3	172147-70110	GEAR, PLANETARY	6	6	6					
20-1	3	172147-70111	GEAR, PLANETARY	6	6	6	6				S
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
21	3	172147-70120	GAUGE ASSY	6	6	6	6				
22	3	172147-70210	WIRE	2	2	2	2				
23	3	172423-73330	PLUG	4	4	4	4				
24	3	172423-73340	GEAR, PLANETARY	8	8	8	8				
25	3	172423-73350	BEARING, NEEDLE	8	8	8	8				
26	3	172423-73360	RACE, INNER	8	8	8	8				
27	3	172423-73370	WASHER, THRUST	8	8	8	8				
28	3	172423-73380	GEAR, SUN	2	2	2					
28-1	3	172423-73381	GEAR, SUN	2	2	2	2				S
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
29	3	172423-73410	RACE, INNER	6	6	6	6				
30	3	172122-73430	PLUG	4	4	4	4				
31	3	172460-73510	HOLDER	2	2	2					
31-1	3	172460-73511	HOLDER	2	2	2	2				S
		(A=M/#50740) (B=M/#50740) (C=M/#50740)									
32	3	172460-73530	GEAR, DRIVE	2	2	2					

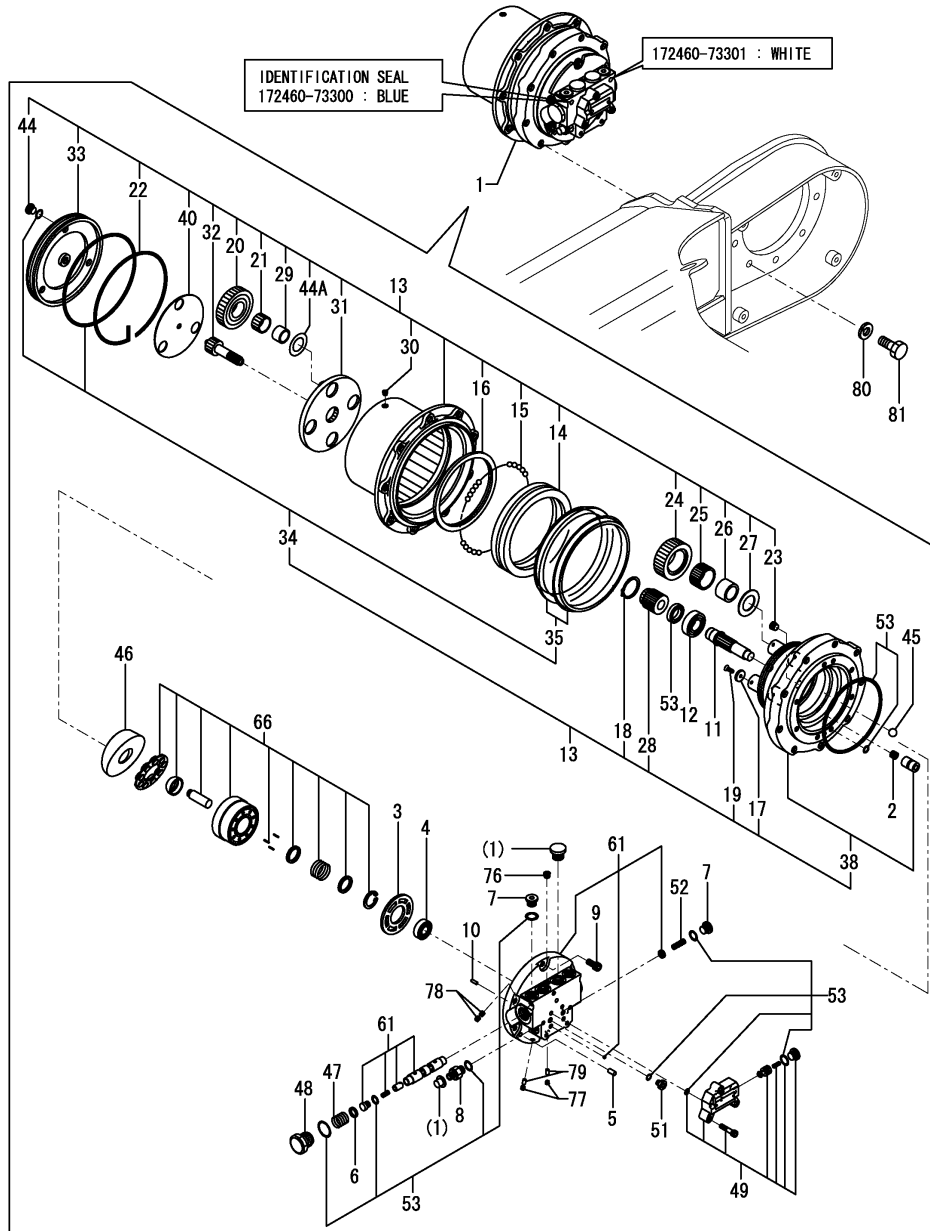
Remarks  
(1)A package contains 2 floating seals.  
1 package par 1 travel motor.



Fig.50. TRAVEL MOTOR

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



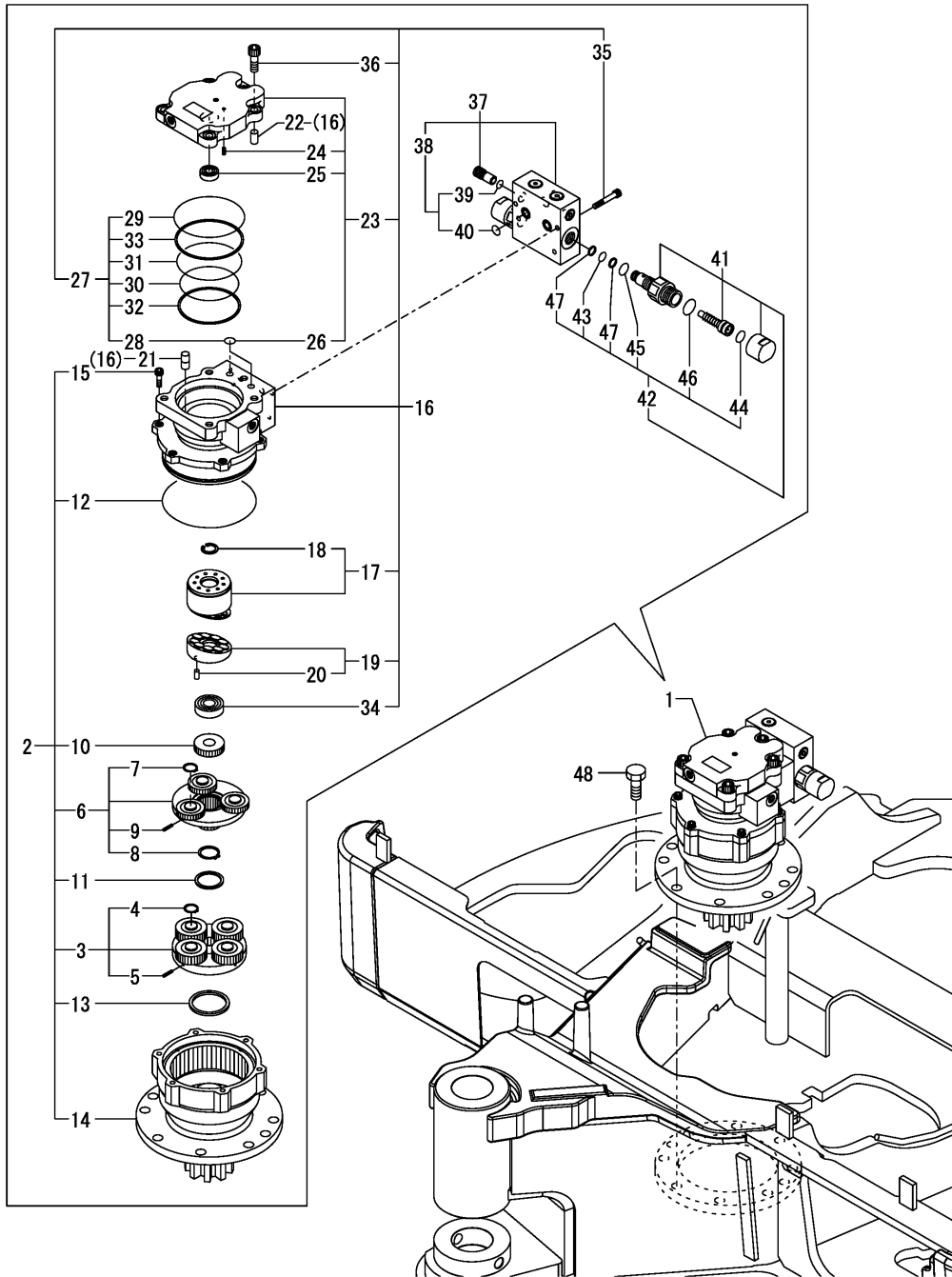
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32-1	3	172460-73531 (A=M/#50740) (B=M/#50740) (C=M/#50740)	GEAR, DRIVE	2	2	2	2				S
33	3	172460-73540	COVER	2	2	2	2				
34	3	172460-73600	SEAL SET, REDUCTION	2	2	2	2				
35	4	172147-70020	SEAL, FLOATING	2	2	2	2				1
38	3	172460-73620	FLANGE KIT	2	2	2					
38-1	3	172460-73621 (A=M/#50740) (B=M/#50740) (C=M/#50740)	FLANGE KIT	2	2	2	2				S
40	3	172460-73630	PLATE KIT, THRUST	2	2	2					
40-1	3	172460-73631 (A=M/#50740) (B=M/#50740) (C=M/#50740)	PLATE KIT, THRUST	2	2	2	2				S
44	3	172183-73770	PLUG	6	6	6	6				
44-1	3	172148-70301 (A=M50501) (B=M50501) (C=M50501) (D=M50501)	PLUG	6	6	6	6				R
44A	3	172A47-73310 (A=M/#50740) (B=M/#50740) (C=M/#50740)	WASHER, THRUST	6	6	6	6				W
45	2	172423-73510	BALL, STEEL	4	4	4	4				
46	2	172460-73550	PLATE, SWASH	2	2	2					
46-1	2	172460-73551 (A=M/#50740) (B=M/#50740) (C=M/#50740)	PLATE, SWASH	2	2	2	2				R
47	2	172460-73560	SPRING	4	4	4	4				
48	2	172460-73570	CAP	4	4	4	4				
49	2	172460-73580	VALVE ASSY	2	2	2	2				
51	2	172460-73590	PLUG	4	4	4	4				
52	2	172423-73600	SPRING	2	2	2					
52-1	2	172423-73601 (A=M/#50740) (B=M/#50740) (C=M/#50740)	SPRING	2	2	2	2				S
53	2	172460-73610	SEAL SET, MOTOR	2	2	2	2				
61	2	172460-73640	PLATE KIT, BASE	2	2	2					
61-1	2	172460-73641 (A=M/#50740) (B=M/#50740) (C=M/#50740)	PLATE KIT, BASE	2	2	2	2				S
66	2	172423-73650	BLOCK KIT, CYLINDER	2	2	2					
66-1	2	172423-73651 (A=M/#50740) (B=M/#50740) (C=M/#50740)	BLOCK KIT, CYLINDER	2	2	2	2				R
76	2	23871-020000	PLUG, R02	2	2	2	2				
77	2	172147-70220	PLUG	4	4	4	4				W
78	2	172148-70340 (A=M/#50740) (B=M/#50740) (C=M/#50740)	ORIFICE	8	8	8	8				W
79	2	172312-74790 (A=M/#50740) (B=M/#50740) (C=M/#50740)	ORIFICE	8	8	8	8				W
80	1	22217-140000	WASHER, SPRING 14	18	18	18	18				
81	1	172455-29140	BOLT	18	18	18	18				

Remarks  
(1)A package contains 2 floating seals.  
1 package par 1 travel motor.

Fig.51. TURNING MOTOR

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

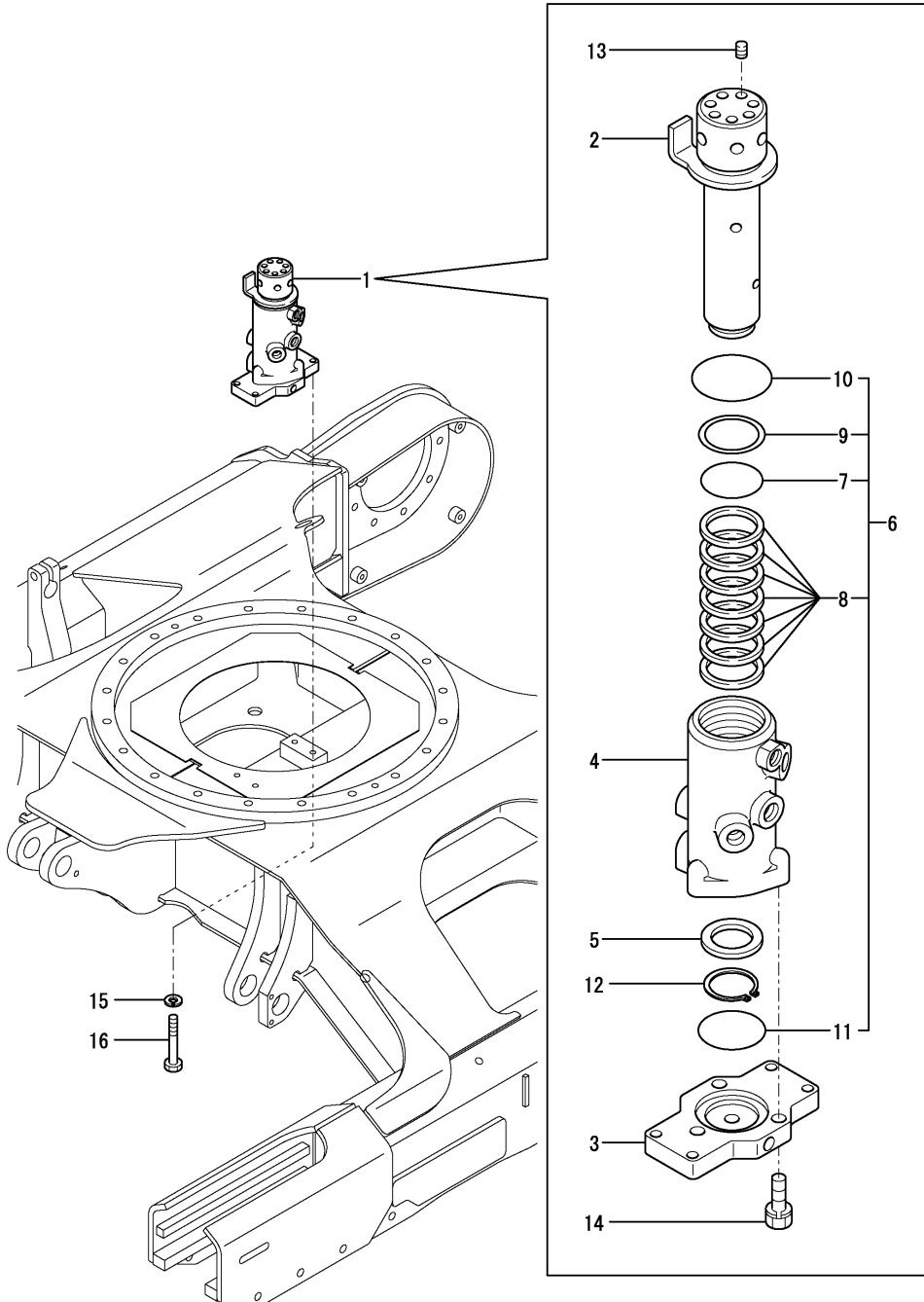


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172461-73310	MOTOR COMP.,SWING	1	1	1	1				
2	2	172460-73700	GEAR, REDUCTION	1	1	1	1				
3	3	172425-73410	CARRIER KIT	1	1	1	1				
4	4	22242-000200	RING, 20	4	4	4	4				
5	4	22351-040020	PIN, SPRING 4.0X20	4	4	4	4				
6	3	172425-73420	CARRIER KIT	1	1	1	1				
7	4	22242-000200	RING, 20	3	3	3	3				
8	4	22242-000300	RING, 30	1	1	1	1				
9	4	22351-040020	PIN, SPRING 4.0X20	3	3	3	3				
10	3	172460-73790	GEAR	1	1	1	1				
11	3	172425-73490	COLLAR, THRUST	1	1	1	1				
12	3	172425-73510	O-RING	1	1	1	1				
13	3	172425-73520	RING	1	1	1	1				
14	3	172460-73710	PINION	1	1	1	1				
15	3	26450-080252	BOLT, M8X 25	6	6	6	6				
16	2	172460-73720	HYD.MOTOR	1	1	1	1				
17	3	172425-73440	BARREL KIT	1	1	1	1				
18	4	22252-000280	RING, 28	1	1	1	1				
19	3	172425-73450	PLATE KIT	1	1	1	1				
20	4	172425-73550	PIN	1	1	1	1				
21	3	172425-73530	FILTER	2	2	2	2				
22	3	172425-73540	PIN	1	1	1	1				
23	3	172460-73730	BODY H KIT	1	1	1	1				
24	4	22351-050012	PIN, SPRING 5.0X12	1	1	1	1				
25	4	24101-062010	BEARING, BALL 6201C3	1	1	1	1				
26	4	24315-000180	O-RING, 1BP18.0	2	2	2	2				
27	3	172460-73740	SEAL SET, MOTOR	1	1	1	1				
28	4	24315-000180	O-RING, 1BP18.0	2	2	2	2				
29	4	24325-001200	O-RING, 1BG120.0	1	1	1	1				
30	4	24325-001000	O-RING, 1BG100.0	1	1	1	1				
31	4	24325-001100	O-RING, 1BG110.0	1	1	1	1				
32	4	24376-001000	RING, BACK UP T3G100	1	1	1	1				
33	4	24376-001100	RING, BACK UP T3G110	1	1	1	1				
34	3	24105-062044	BEARING, BALL 6204Z	1	1	1	1				
35	3	26450-080502	BOLT, M8X 50	4	4	4	4				
36	3	26450-120352	BOLT, M12X 35	5	5	5	5				
37	2	172460-73750	VALVE	1	1	1	1				
38	3	172460-73760	SEAL SET, VALVE	1	1	1	1				
39	4	24315-000110	O-RING, 1BP11.0	2	2	2	2				
40	4	24315-000180	O-RING, 1BP18.0	2	2	2	2				
41	2	172461-73770	VALVE ASSY	2	2	2	2				
42	3	172460-73780	SEAL SET, VALVE	2	2	2	2				
43	4	24315-000140	O-RING, 1BP14.0	2	2	2	2				
44	4	24315-000180	O-RING, 1BP18.0	2	2	2	2				
45	4	24315-000220	O-RING, 1BP22.0	2	2	2	2				
46	4	24315-000280	O-RING, 1BP28.0	2	2	2	2				
47	4	24372-000140	RING, BACK UP T2P14	4	4	4	4				
48	1	172460-73320	BOLT	9	9	9	9				

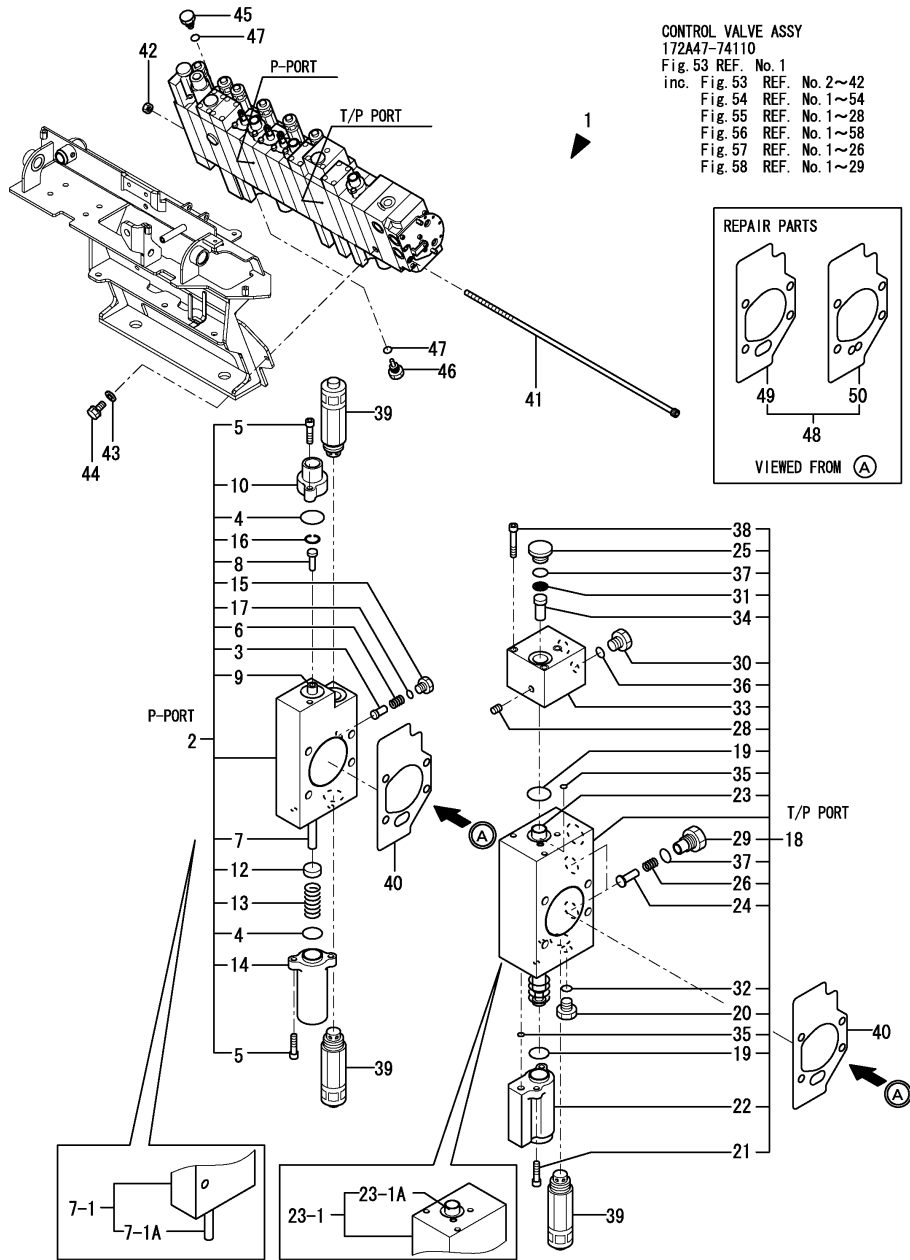
Fig.52. SWIVEL JOINT

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-73802	JOINT ASSY, SWIVEL	1	1	1					
1-1	1	172444-73803	JOINT ASSY, SWIVEL	1	1	1	1				R
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
2	2	172444-73810	SHAFT ASSY, SWIVEL	1	1	1	1				
3	2	172444-73840	FLANGE, SWIVEL	1	1	1	1				
4	2	172444-73831	HUB, SWIVEL	1	1	1	1				
5	2	172137-73860	SPACER, SWIVEL	1	1	1	1				
6	2	172444-73880	SEAL SET, SWIVEL	1	1	1	1				
7	3	172142-73800	O-RING	1	1	1	1				
8	3	172458-73820	SEAL, SWIVEL	7	7	7					
8-1	3	172447-73840	SEAL	7	7	7	7				R
		(A=M/#50646) (B=M/#50646) (C=M/#50646)									
9	3	172148-73870	RING EL, BACK UP	1	1	1	1				
10	3	24311-000750	O-RING, 1AP75.0	1	1	1	1				
11	3	24321-000700	O-RING, 1AG70.0	1	1	1	1				
12	2	22242-000451	RING, 45	1	1	1	1				
13	2	23871-020000	PLUG, R02	7	7	7	7				
14	2	26013-100352	BOLT, M10X 35	3	3	3	3				
15	1	22217-100000	WASHER, SPRING 10	4	4	4	4				
16	1	26116-100652	BOLT, M10X 65 PLATED	4	4	4	4				



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

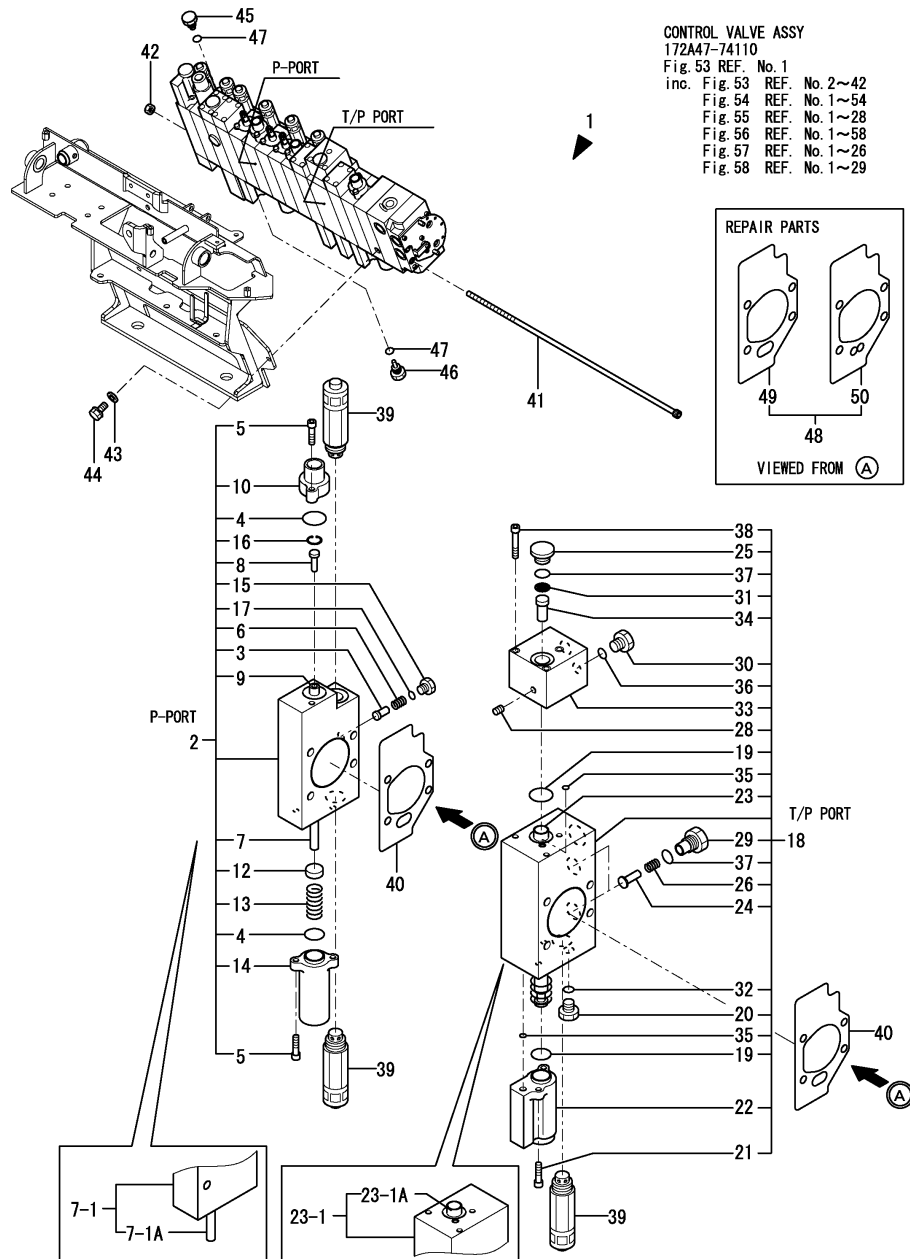
(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-74110	VALVE ASSY,CONTROL	1	1	1					
1-1	1	172A47-74111	VALVE ASSY, CONTROL	1	1	1					R
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
1-2	1	172A47-74112	VALVE ASSY, CONTROL	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
1-3	1	172A47-74113	VALVE ASSY, CONTROL	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
2	2	172A47-75520	PART, SUPPLY	1	1	1					
3	3	172499-70180	VALVE ASSY, REVERSE	1	1	1					
4	3	172458-74230	O-RING	2	2	2					
5	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
6	3	172173-74280	SPRING	1	1	1					
7	3	172A47-74350	SPOOL ASSY, INLET	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7-1	3	172A47-74500	SECTION ASSY, INLET	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7-1A	4	172A47-74350	SPOOL ASSY, INLET	1	1	1					
8	3	172A47-74360	FILTER	1	1	1					
9	3	172A47-74370	PISTON	1	1	1					
10	3	172A47-74380	COVER, PILOT	1	1	1					
12	3	172458-74530	SEAT, SPRING	1	1	1					
13	3	172458-74540	SPRING, RETURN	1	1	1					
14	3	172458-74550	COVER, PILOT	1	1	1					
15	3	172458-74670	PLUG,PF1/8	1	1	1					
16	3	172A47-74980	CIRCLIP	1	1	1					
17	3	24315-000080	O-RING, 1BP8.0	1	1	1					
18	2	172A47-75570	SECTION ASSY	1	1	1					
18-1	2	172A47-75571	SECTION ASSY	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
19	3	172458-74230	O-RING	2	2	2					
20	3	172A47-74260	PLUG (SAE1/4)	2	2	2					
20-1	3	172A47-74260	PLUG (SAE1/4)	1	1	1					K
		(A=M50501) (B=M50501) (C=M50501)									
21	3	172458-74260	SWP HEX.BOLT 5X20	1	1	1					
21-1	3	172458-74260	SWP HEX.BOLT 5X20	2	2	2					K
		(A=M50501) (B=M50501) (C=M50501)									
22	3	172A47-74280	COVER, PILOT	1	1	1					
23	3	172A47-74290	SPOOL ASSY	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
23-1	3	172A47-74440	SECTION, CONFLUENE	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
23-1A	4	172A47-74290	SPOOL ASSY	1	1	1					
23-2	3	172A47-74441	SECTION, CONFLUENE	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
23-2A	4	172A47-74291	SPOOL ASSY	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
24	3	172458-74290	VALVE, REVERSE	2	2	2					
25	3	172183-74350	PLUG PF1/4	1	1	1					
26	3	172458-74360	SPRING, VALVE	2	2	2					
28	3	172458-74460	PLUG GPM1/32	2	2	2					
29	3	172458-74640	STAY, VALVE	2	2	2					

Remarks  
 (1)REPAIR PARTS.

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



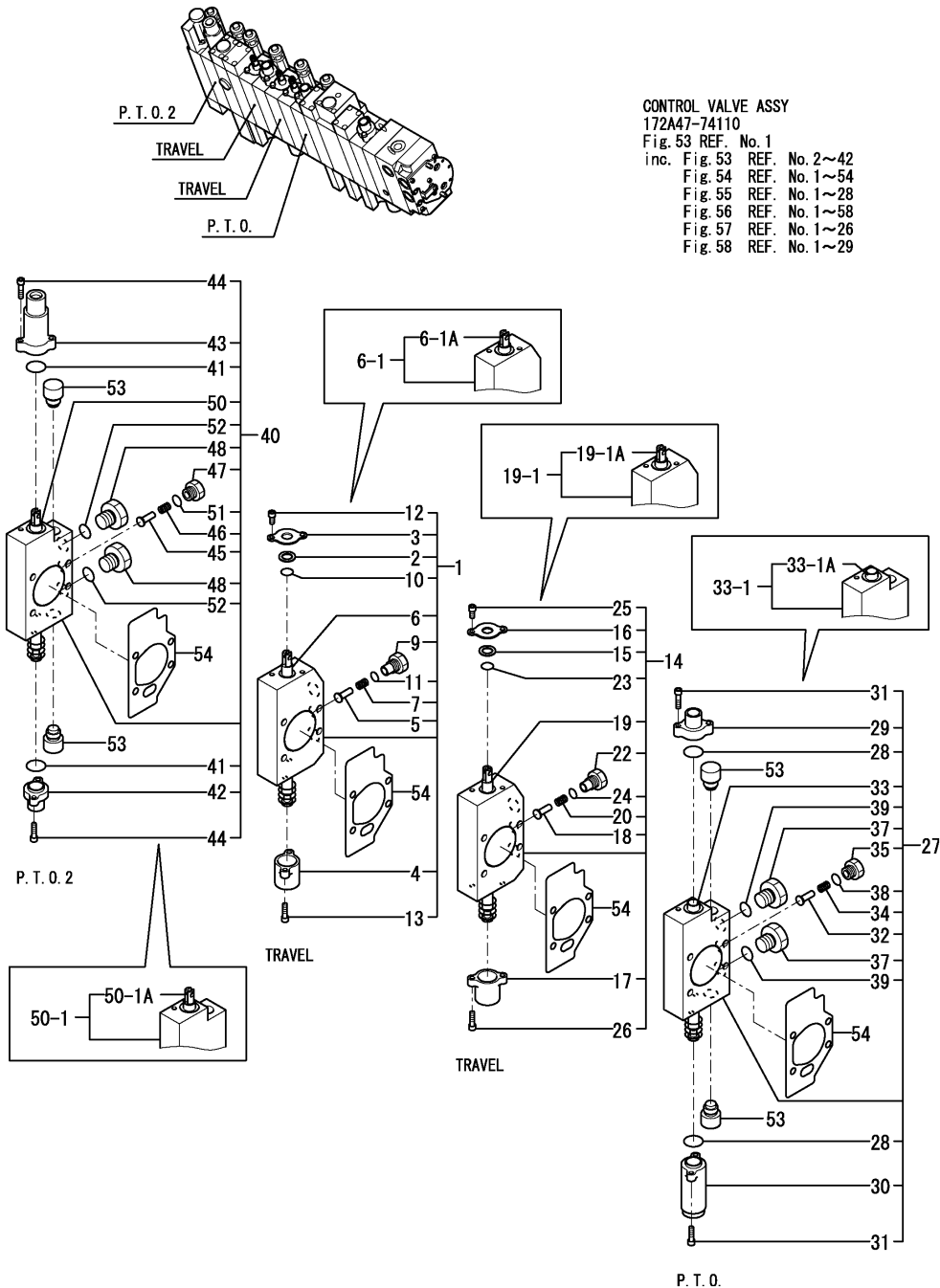
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
30	3	172458-74670	PLUG,PF1/8	1	1	1					
31	3	172499-74860	FILTER	1	1	1					
32	3	172A47-74950	O-RING	1	1	1					
33	3	172A47-74960	BODY, PILOT	1	1	1					
34	3	172499-74960	PLUG	1	1	1					
35	3	24311-000060	O-RING, 1AP6.0	2	2	2					
36	3	24315-000080	O-RING, 1BP8.0	1	1	1					
37	3	24315-000110	O-RING, 1BP11.0	3	3	3					
37-1	3	41851-000110	O-RING	3	3	3					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
37-2	3	24315-000110	O-RING, 1BP11.0	3	3	3					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
38	3	26450-050452	BOLT, M5X 45	3	3	3					
39	2	172A47-75400	VALVE ASSY, RELIEF	3	3	3					
40	2	172A47-75430	GASKET	2	2	2					
41	2	172A47-75450	BOLT L=412	4	4	4					Z
		(A=M50501) (B=M50501) (C=M50501)									
41-1	2	172A47-75810	BOLT L=443	4	4	4					W
		(A=M50501) (B=M50501) (C=M50501)									
42	2	26716-080002	NUT, M8	4	4	4					
43	1	22133-100000	WASHER, 10	3	3	3					
44	1	26013-100162	BOLT, M10X 16	3	3	3					
45	1	172A47-76270	PILOT PLUG A	1	1	1					
46	1	172A47-76280	PILOT PLUG B	1	1	1					
47	1	24315-000110	O-RING, 1BP11.0	2	2	2					
47-1	1	41851-000110	O-RING	2	2	2					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
48	1	172A47-75630	GASKET SET	1	1	1					1
49	2	172A47-75430	GASKET	12	12	12					
50	2	172A47-75440	GASKET	1	1	1					

Remarks  
 (1)REPAIR PARTS.

Fig.54. CONTROL VALVE(TRAVEL & P.T.O.)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29

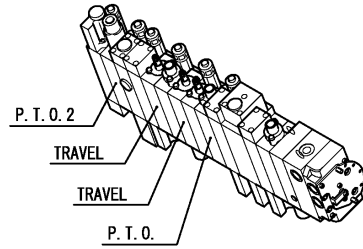
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75510	SECTION, TRAVEL	1	1	1					
1-1	2	172A47-75511	SECTION, TRAVEL	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
2	3	172458-74130	DUST WIPER	1	1	1					
3	3	172458-74140	RETAINER, SEAL	1	1	1					
4	3	172458-74170	CAP, SPRING	1	1	1					
4-1	3	172A78-74170	CAP, SPRING	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
5	3	172458-74290	VALVE, REVERSE	1	1	1					
6	3	172A47-74340	SPOOL ASSY, TRAVEL	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
6-1	3	172A47-74530	SECTION ASSY, TRAVEL	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
6-1A	4	172A47-74340	SPOOL ASSY, TRAVEL	1	1	1					
7	3	172458-74360	SPRING, VALVE	1	1	1					
9	3	172458-74640	STAY, VALVE	1	1	1					
10	3	24311-000120	O-RING, 1AP12.0	1	1	1					
11	3	24315-000110	O-RING, 1BP11.0	1	1	1					
11-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
11-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
12	3	26450-050102	BOLT, M5X 10	2	2	2					
13	3	26450-050182	BOLT, M5X 18	2	2	2					
14	2	172A47-75530	SECTION, TRAVEL	1	1	1					
14-1	2	172A47-75531	SECTION, TRAVEL	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
15	3	172458-74130	DUST WIPER	1	1	1					
16	3	172458-74140	RETAINER, SEAL	1	1	1					
17	3	172458-74170	CAP, SPRING	1	1	1					
17-1	3	172A78-74170	CAP, SPRING	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
18	3	172458-74290	VALVE, REVERSE	1	1	1					
19	3	172A47-74340	SPOOL ASSY, TRAVEL	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
19-1	3	172A47-74490	SECTION, TRAVEL	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
19-1A	4	172A47-74340	SPOOL ASSY, TRAVEL	1	1	1					
20	3	172458-74360	SPRING, VALVE	1	1	1					
22	3	172458-74640	STAY, VALVE	1	1	1					
23	3	24311-000120	O-RING, 1AP12.0	1	1	1					
24	3	24315-000110	O-RING, 1BP11.0	1	1	1					
24-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
24-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
25	3	26450-050102	BOLT, M5X 10	2	2	2					
26	3	26450-050182	BOLT, M5X 18	2	2	2					
27	2	172A47-75550	SECTION, PTO	1	1	1					
28	3	172458-74230	O-RING	2	2	2					
29	3	172458-74240	COVER, PILOT	1	1	1					

N:Old  $\xrightarrow{\text{Yes}}$  New, Q:Old  $\xrightarrow{\text{No}}$  New, R:Old  $\xrightarrow{\text{Yes}}$  New, S:Old  $\xrightarrow{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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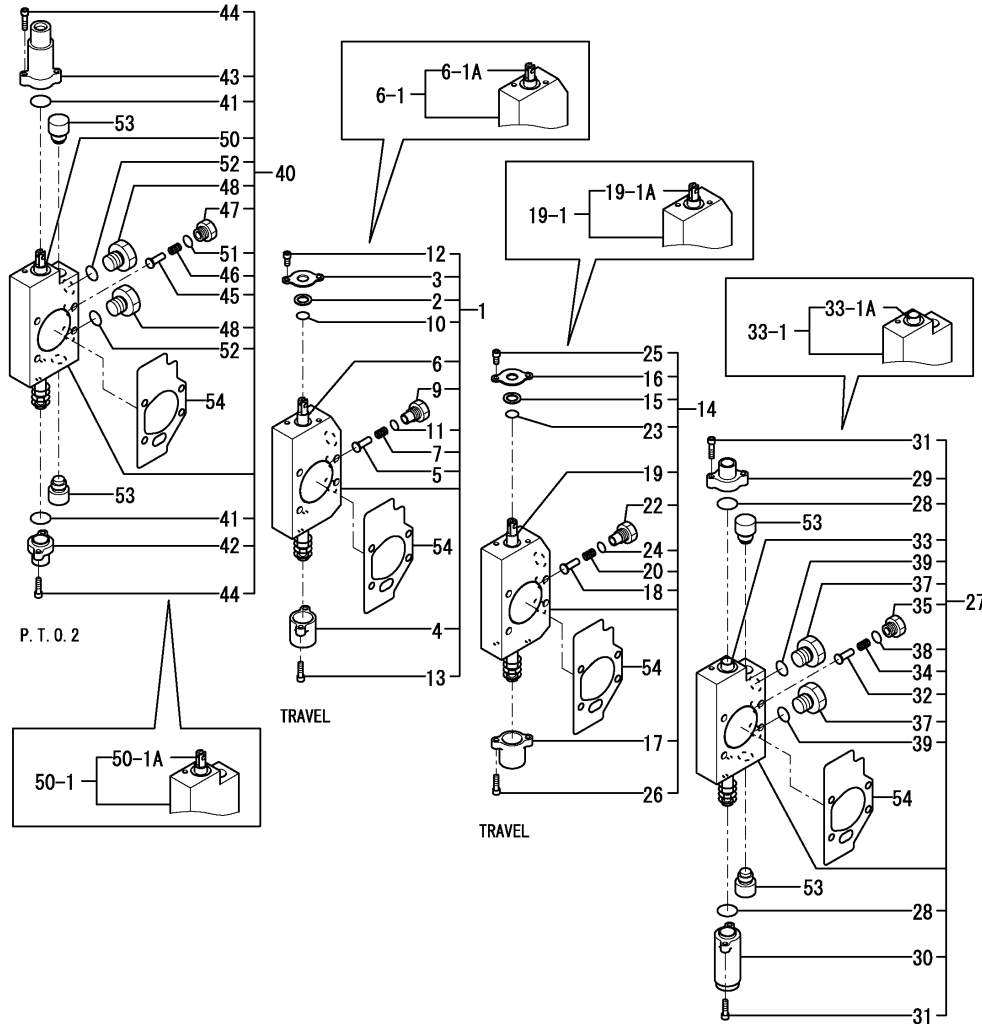
Fig.54. CONTROL VALVE(TRAVEL & P.T.O.)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29



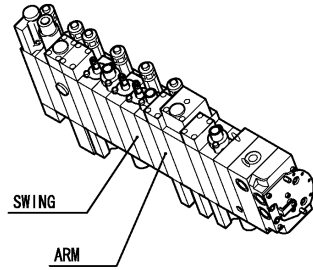
P. T. O.

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
30	3	172458-74250	COVER, PILOT	1	1	1					
31	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
32	3	172490-74310	VALVE, REVERSE	1	1	1					
33	3	172A47-74320	SPOOL ASSY, PTO	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
33-1	3	172A47-74470	PTO SECTION ASSY	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
33-1A	4	172A47-74320	SPOOL ASSY, PTO	1	1	1					
34	3	172490-74320	SPRING, VALVE	1	1	1					
35	3	172490-74330	STAY, VALVE	1	1	1					
37	3	172458-74650	STAY, VALVE	2	2	2					
38	3	24315-000110	O-RING, 1BP11.0	1	1	1					
38-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
38-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
39	3	24315-000140	O-RING, 1BP14.0	2	2	2					
39-1	3	41851-000140	O RING P 14.0 HNBR	2	2	2					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
39-2	3	24315-000140	O-RING, 1BP14.0	2	2	2					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
40	2	172A47-75640	SECTION, PTO	1	1	1					
41	3	172458-74230	O-RING	2	2	2					
42	3	172458-74240	COVER, PILOT	1	1	1					
43	3	172458-74250	COVER, PILOT	1	1	1					
44	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
45	3	172490-74310	VALVE, REVERSE	1	1	1					
46	3	172490-74320	SPRING, VALVE	1	1	1					
47	3	172490-74330	STAY, VALVE	1	1	1					
48	3	172458-74650	STAY, VALVE	2	2	2					
50	3	172A47-75660	SPOOL ASSY, PTO	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
50-1	3	172A47-75650	SECTION ASSY, PTO	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
50-1A	4	172A47-75660	SPOOL ASSY, PTO	1	1	1					
51	3	24315-000110	O-RING, 1BP11.0	1	1	1					
51-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
51-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
52	3	24315-000140	O-RING, 1BP14.0	2	2	2					
52-1	3	41851-000140	O RING P 14.0 HNBR	2	2	2					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
52-2	3	24315-000140	O-RING, 1BP14.0	2	2	2					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
53	2	172A47-75460	RELIEF VALVE PLUG AS	4	4	4					
54	2	172A47-75430	GASKET	4	4	4					

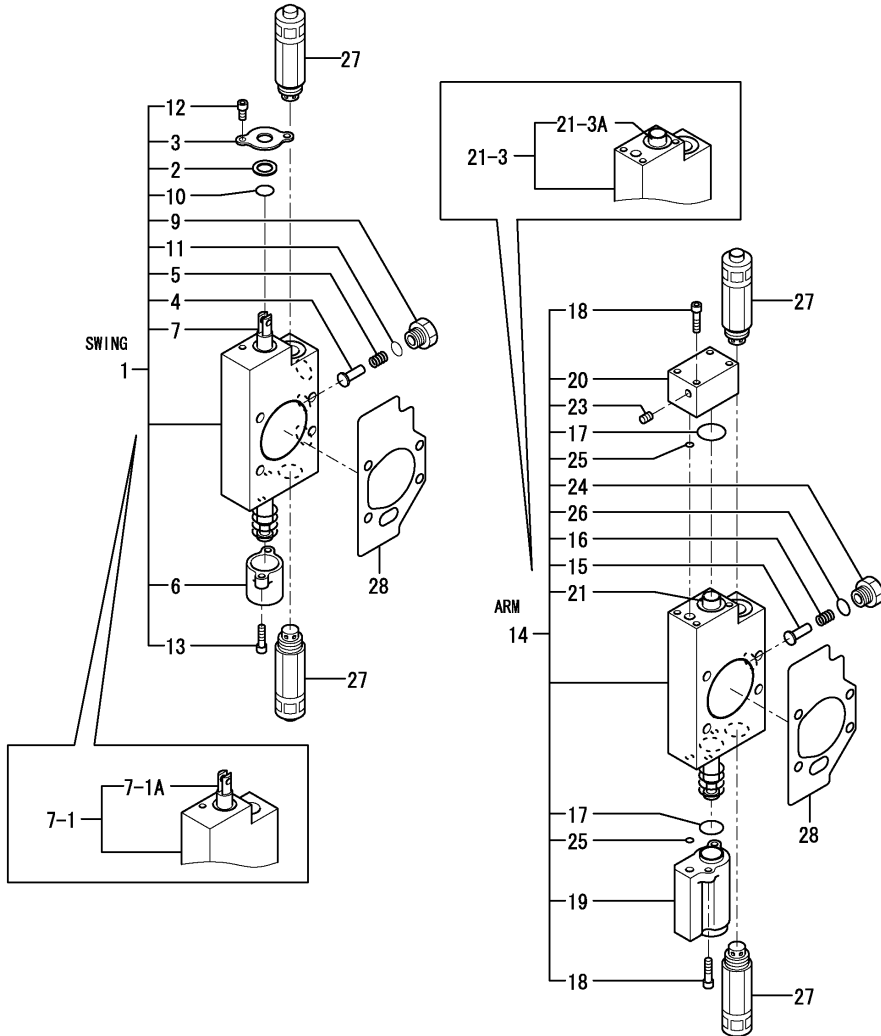
Fig.55. CONTROL VALVE(ARM & SWING)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75540	SECTION, SWING	1	1	1					
1-1	2	172A47-75541	SECTION, SWING	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
2	3	172458-74130	DUST WIPER	1	1	1					
3	3	172458-74140	RETAINER, SEAL	1	1	1					
4	3	172458-74150	VALVE, REVERSE	1	1	1					
5	3	172458-74160	SPRING, VALVE	1	1	1					
6	3	172458-74170	CAP, SPRING	1	1	1					
6-1	3	172A78-74170	CAP, SPRING	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7	3	172A47-74330	SPOOL ASSY, SWING	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7-1	3	172A47-74480	SECTION, SWING	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7-1A	4	172A47-74330	SPOOL ASSY, SWING	1	1	1					
9	3	172458-74630	STAY, VALVE	1	1	1					
10	3	24311-000120	O-RING, 1AP12.0	1	1	1					
11	3	24315-000110	O-RING, 1BP11.0	1	1	1					
11-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
11-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
12	3	26450-050102	BOLT, M5X 10	2	2	2					
13	3	26450-050182	BOLT, M5X 18	2	2	2					
14	2	172A47-75560	SECTION, ARM	1	1	1					
14-1	2	172A47-75561	SECTION, ARM	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
15	3	172458-74150	VALVE, REVERSE	1	1	1					
16	3	172458-74160	SPRING, VALVE	1	1	1					
17	3	172458-74230	O-RING	2	2	2					
18	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
19	3	172A47-74280	COVER, PILOT	1	1	1					
20	3	172A47-74300	COVER, PILOT	1	1	1					
21	3	172A47-74310	SPOOL ASSY, ARM	1	1	1					
21-1	3	172A47-74311	SPOOL ASSY, ARM	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
21-2	3	172A47-74311	SPOOL ASSY, ARM	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
21-3	3	172A47-74451	SECTION, ARM	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
21-3A	4	172A47-74311	SPOOL ASSY, ARM	1	1	1					
23	3	172458-74460	PLUG GPM1/32	1	1	1					
24	3	172458-74630	STAY, VALVE	1	1	1					
25	3	24311-000060	O-RING, 1AP6.0	2	2	2					
26	3	24315-000110	O-RING, 1BP11.0	1	1	1					
26-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
26-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
27	2	172A47-75470	VALVE ASSY, OVERLOAD	4	4	4					
28	2	172A47-75430	GASKET	2	2	2					

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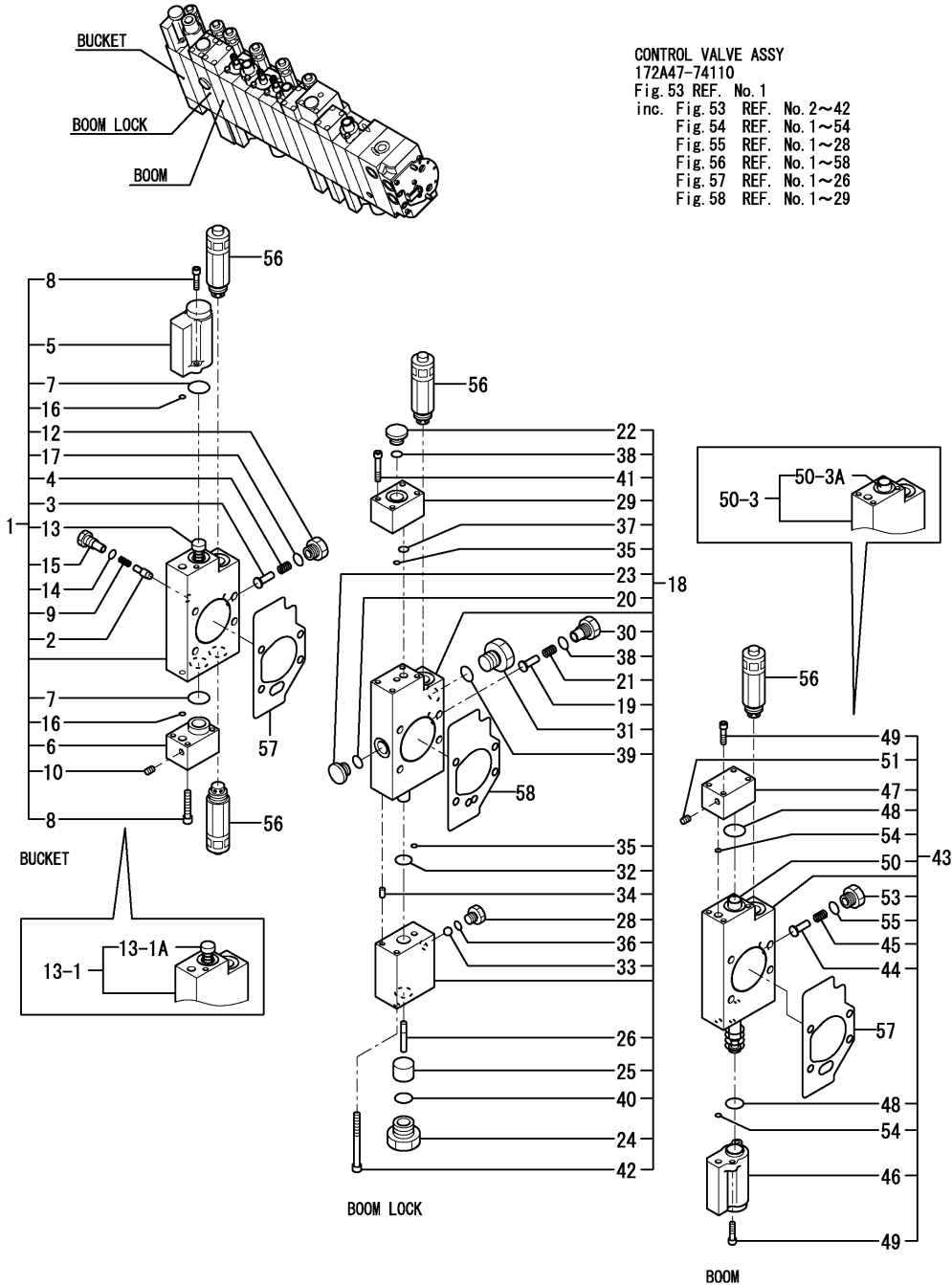


Fig.56. CONTROL VALVE(BOOM & BUCKET)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

CONTROL VALVE ASSY  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29



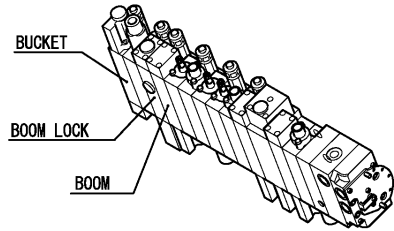
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75490	SECTION, BUCKET	1	1	1					
2	3	172499-70180	VALVE ASSY, REVERSE	1	1	1					
3	3	172458-74150	VALVE, REVERSE	1	1	1					
4	3	172458-74160	SPRING, VALVE	1	1	1					
5	3	172A47-74220	COVER, PILOT	1	1	1					
6	3	172A47-74230	COVER, PILOT	1	1	1					
7	3	172458-74230	O-RING	2	2	2					
8	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
9	3	172173-74280	SPRING	1	1	1					
10	3	172458-74460	PLUG GPM1/32	1	1	1					
12	3	172458-74630	STAY, VALVE	1	1	1					
13	3	172A47-74940	SPOOL ASSY, BUCKET	1	1	1					Z
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)											
13-1	3	172A47-74550	SECTION ASSY, BACKET	1	1	1					W
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)											
13-1A	4	172A47-74940	SPOOL ASSY, BUCKET	1	1	1					
14	3	172A47-74950	O-RING	1	1	1					
15	3	172A47-74970	STAY, VALVE	1	1	1					
16	3	24311-000060	O-RING, 1AP6.0	2	2	2					
17	3	24315-000110	O-RING, 1BP11.0	1	1	1					
17-1	3	41851-000110	O-RING	1	1	1					N
(A=M51056) (B=M51056) (C=M51056)											
17-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)											
18	2	172A47-75610	LOCK VALVE ASSY	1	1	1					
19	3	172499-70180	VALVE ASSY, REVERSE	1	1	1					
20	3	172A47-74270	O-RING	1	1	1					
21	3	172173-74280	SPRING	1	1	1					
22	3	172183-74350	PLUG PF1/4	1	1	1					
23	3	172A47-74460	PLUG,M12X1.25	1	1	1					
24	3	172A47-74560	BUSH PF1/2X1/4	1	1	1					
25	3	172A47-74570	PISTON B	1	1	1					
26	3	172A47-74580	PISTON A1	1	1	1					
28	3	172A47-74920	HOLDER, BALL	1	1	1					
29	3	172A47-74930	BODY,DISCHARGE	1	1	1					
30	3	172A47-74970	STAY, VALVE	1	1	1					
31	3	172A47-75620	STAY, VALVE	1	1	1					
32	3	172A47-75680	O-RING	1	1	1					
33	3	172A47-75690	STEEL BALE 7MM	1	1	1					
34	3	22312-050100	PIN, PARALLEL M5X10	2	2	2					
35	3	24311-000060	O-RING, 1AP6.0	2	2	2					
36	3	24315-000080	O-RING, 1BP8.0	1	1	1					
37	3	24315-000100	O-RING, 1BP10.0	1	1	1					
38	3	24315-000110	O-RING, 1BP11.0	2	2	2					
38-1	3	41851-000110	O-RING	2	2	2					N
(A=M/#51056) (B=M/#51056) (C=M/#51056)											
38-2	3	24315-000110	O-RING, 1BP11.0	2	2	2					N
(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)											
39	3	24315-000140	O-RING, 1BP14.0	1	1	1					
39-1	3	41851-000140	O RING P 14.0 HNBR	1	1	1					N
(A=M/#51056) (B=M/#51056) (C=M/#51056)											

N:Old  $\xrightarrow{Yes}$  New, Q:Old  $\xrightarrow{No}$  New, R:Old  $\xrightarrow{Yes}$  New, S:Old  $\xrightarrow{No}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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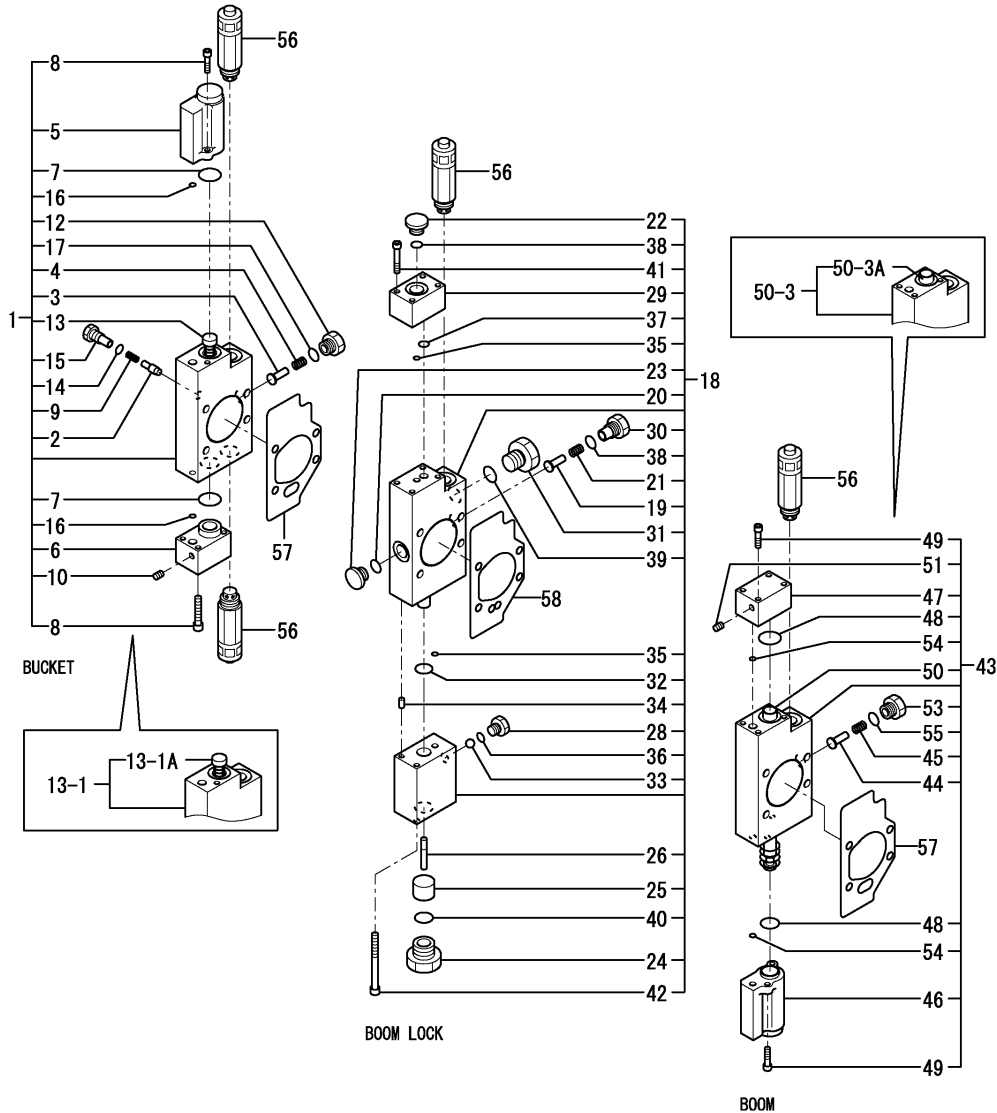
Fig.56. CONTROL VALVE(BOOM & BUCKET)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29

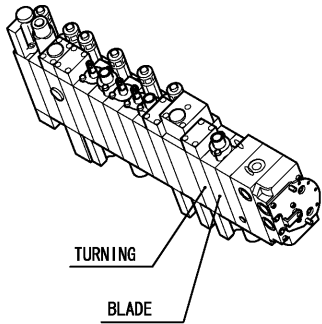


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
39-2	3	24315-000140	O-RING, 1BP14.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
40	3	24315-000180	O-RING, 1BP18.0	1	1	1					
40-1	3	41851-000180	O RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
40-2	3	24315-000180	O-RING, 1BP18.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
41	3	26450-050302	BOLT, M5X 30	2	2	2					
42	3	26450-060652	BOLT, M6X 65	2	2	2					
43	2	172A47-75500	SECTION, BOOM	1	1	1					
43-1	2	172A47-75501	SECTION, BOOM	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
44	3	172458-74150	VALVE, REVERSE	1	1	1					
45	3	172458-74160	SPRING, VALVE	1	1	1					
46	3	172A47-74220	COVER, PILOT	1	1	1					
47	3	172A47-74230	COVER, PILOT	2	2	2					
48	3	172458-74230	O-RING	1	1	1					
49	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
50	3	172A47-74410	SPOOL ASSY, BOOM	1	1	1					
50-1	3	172A47-74411	SPOOL ASSY, BOOM	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
50-2	3	172A47-74411	SPOOL ASSY, BOOM	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
50-3	3	172A47-74541	SECTION, BOOM	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
50-3A	4	172A47-74411	SPOOL ASSY, BOOM	1	1	1					
51	3	172458-74460	PLUG GPM1/32	1	1	1					
53	3	172458-74630	STAY, VALVE	1	1	1					
54	3	24311-000060	O-RING, 1AP6.0	2	2	2					
55	3	24315-000110	O-RING, 1BP11.0	1	1	1					
55-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
55-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
56	2	172A47-75470	VALVE ASSY, OVERLOAD	4	4	4					
57	2	172A47-75430	GASKET	2	2	2					
58	2	172A47-75440	GASKET	1	1	1					

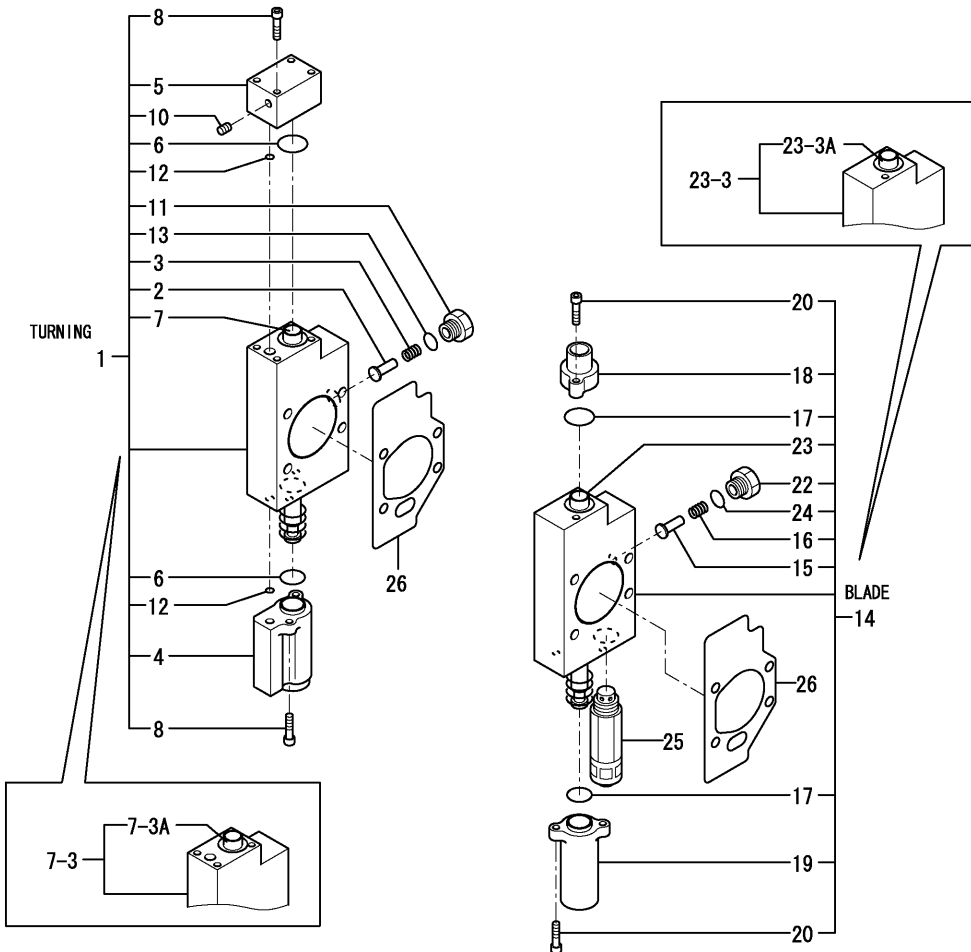
Fig.57. CONTROL VALVE(TURNING & BLADE)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



**CONTROL VALVE ASSY**  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29



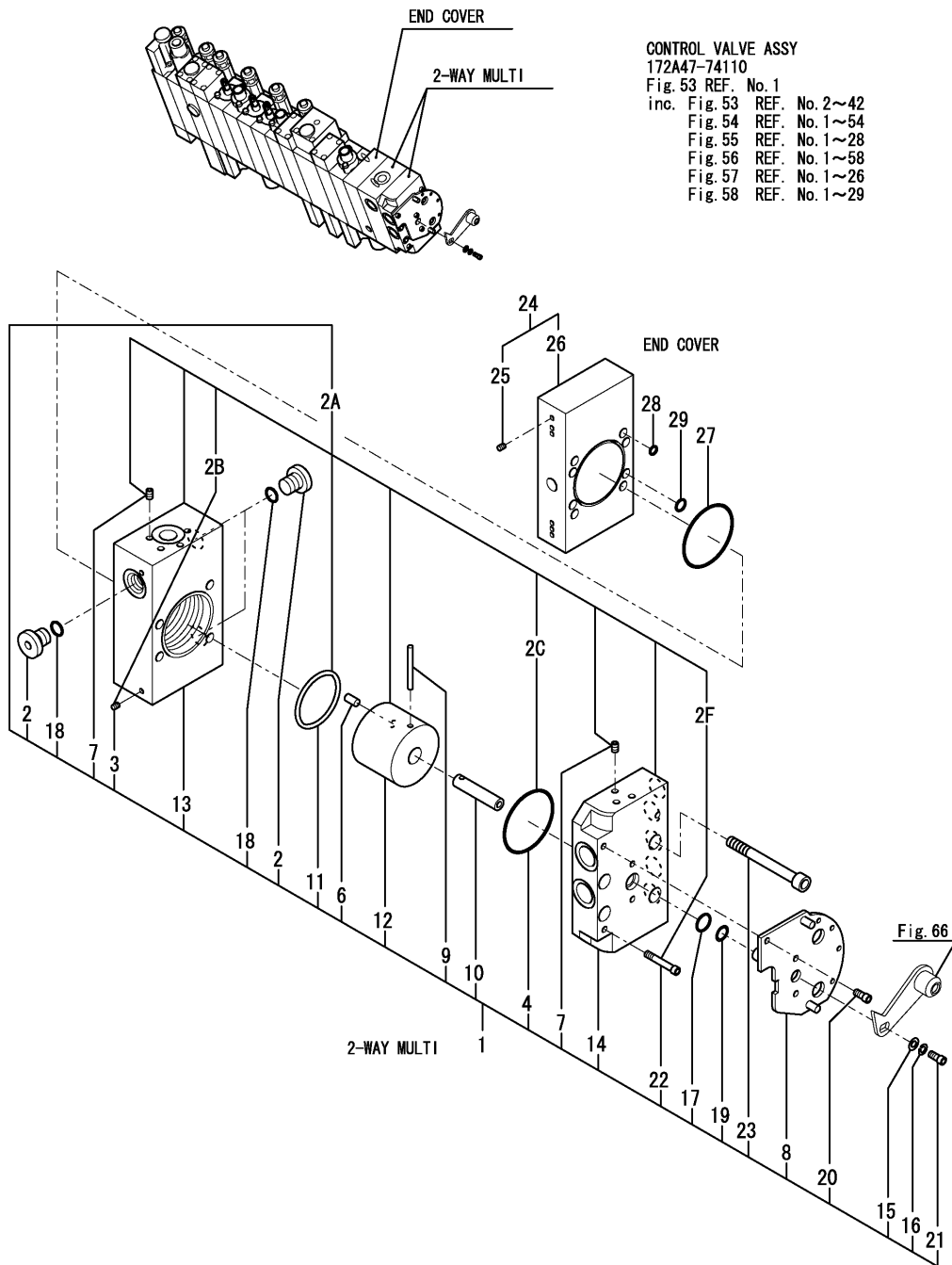
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75580	SECTION, SWING	1	1	1					
1-1	2	172A47-75581	SECTION, SWING	1	1	1					S
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
2	3	172458-74150	VALVE, REVERSE	1	1	1					
3	3	172458-74160	SPRING, VALVE	1	1	1					
4	3	172A47-74220	COVER, PILOT	1	1	1					
5	3	172A47-74230	COVER, PILOT	1	1	1					
6	3	172458-74230	O-RING	2	2	2					
7	3	172A47-74240	SPOOL ASSY, SWING	1	1	1					
7-1	3	172A47-74241	SPOOL ASSY, SWING	1	1	1					S
		(A=M/#50549) (B=M/#50549) (C=M/#50549)									
7-2	3	172A47-74241	SPOOL ASSY, SWING	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7-3	3	172A47-74431	SECTION, SWING	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
7-3A	4	172A47-74241	SPOOL ASSY, SWING	1	1	1					
8	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
10	3	172458-74460	PLUG GPM1/32	1	1	1					
11	3	172458-74630	STAY, VALVE	1	1	1					
12	3	24311-000060	O-RING, 1AP6.0	2	2	2					
13	3	24315-000110	O-RING, 1BP11.0	1	1	1					
13-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
13-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
14	2	172A47-75590	SECTION, BLADE	1	1	1					
14-1	2	172A47-75591	SECTION, BLADE	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
15	3	172458-74150	VALVE, REVERSE	1	1	1					
16	3	172458-74160	SPRING, VALVE	1	1	1					
17	3	172458-74230	O-RING	2	2	2					
18	3	172458-74240	COVER, PILOT	1	1	1					
19	3	172458-74250	COVER, PILOT	1	1	1					
20	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4					
22	3	172458-74630	STAY, VALVE	1	1	1					
23	3	172A47-75670	SPOOL ASSY, BLADE	1	1	1					
23-1	3	172A47-75671	SPOOL ASSY, BLADE	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
23-2	3	172A47-75671	SPOOL ASSY, BLADE	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
23-3	3	172A47-74421	SECTION ASSY, BLADE	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
23-3A	4	172A47-75671	SPOOL ASSY, BLADE	1	1	1					
24	3	24315-000110	O-RING, 1BP11.0	1	1	1					
24-1	3	41851-000110	O-RING	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
24-2	3	24315-000110	O-RING, 1BP11.0	1	1	1					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
25	2	172A47-75480	VALVE ASSY, OVERLOAD	1	1	1					
26	2	172A47-75430	GASKET	2	2	2					

N:Old  $\xrightarrow{\text{Yes}}$  New, Q:Old  $\xrightarrow{\text{No}}$  New, R:Old  $\xrightarrow{\text{Yes}}$  New, S:Old  $\xrightarrow{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.58. CONTROL VALVE(2-WAY MULTI & END COVER)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74110  
Fig. 53 REF. No. 1  
inc. Fig. 53 REF. No. 2~42  
Fig. 54 REF. No. 1~54  
Fig. 55 REF. No. 1~28  
Fig. 56 REF. No. 1~58  
Fig. 57 REF. No. 1~26  
Fig. 58 REF. No. 1~29

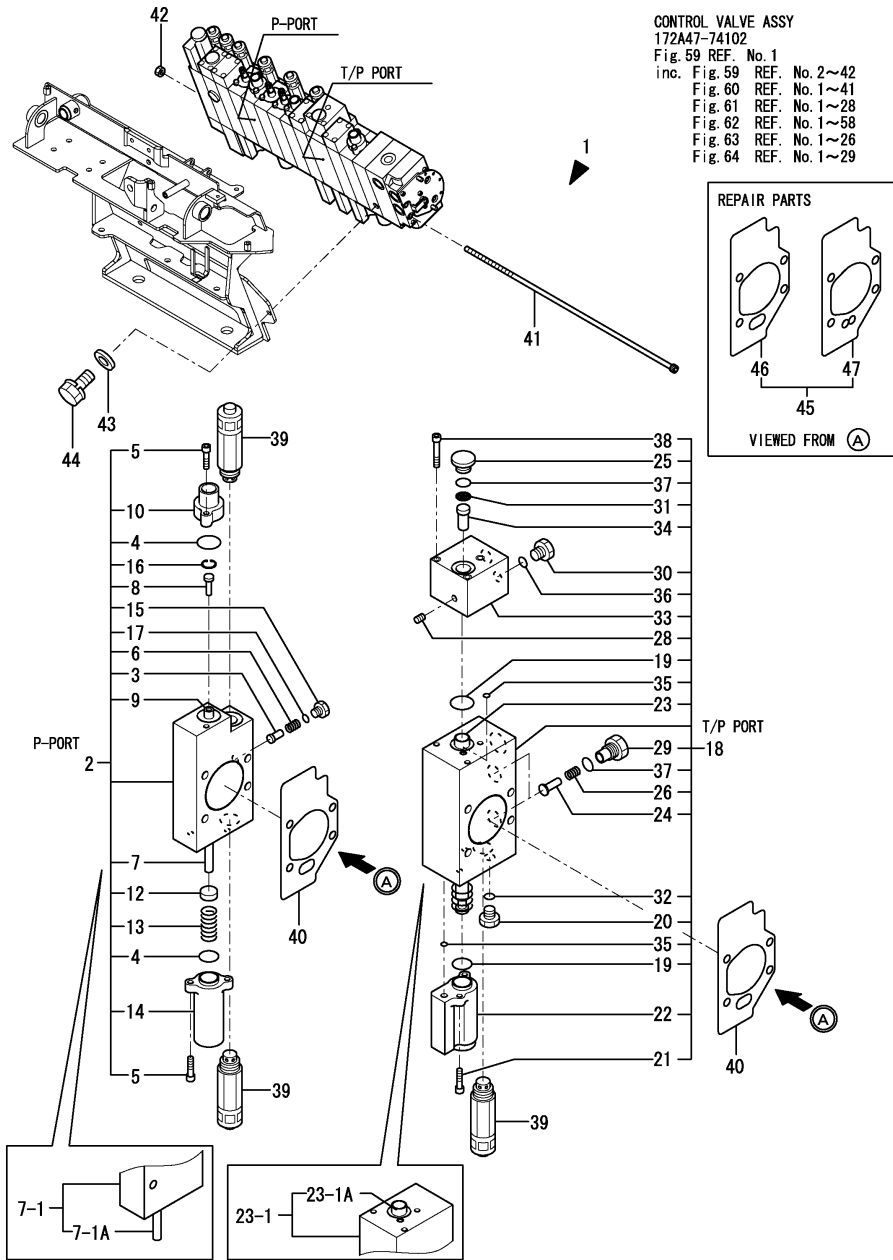
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-74210	CP MCV 2WAY-JD	1	1	1					
2	3	172183-74350	PLUG PF1/4	3	3	3					
2A	3	172A47-75910	BODY 2-WAY KIT	1	1	1					W
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
2B	4	172458-74460	PLUG GPM1/32	2	2	2					
2C	4	172A47-75420	O-RING	1	1	1					
2F	4	26450-050302	BOLT, M5X 30	2	2	2					
3	3	172458-74460	PLUG GPM1/32	2	2	2					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
4	3	172A47-75420	O-RING	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
6	3	172A47-75710	PLUNGER 6MM	1	1	1					
7	3	172A47-75720	PLUG NPT1/16	11	11	11					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
8	3	172A47-75730	PLATE	1	1	1					Z
		(A=M50501) (B=M50501) (C=M50501)									
8-1	3	172A47-75820	PLATE	1	1	1					W
		(A=M50501) (B=M50501) (C=M50501)									
9	3	172A47-75740	NEEDLE ROLLER 4MM	1	1	1					
10	3	172A47-75750	SHAFT	1	1	1					
11	3	172A47-75760	ROD PACKING SPNC50	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
12	3	172A47-75800	CYLINDER	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
13	3	172A47-75780	BODY B2	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
14	3	172A47-75790	BODY A3	1	1	1					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
15	3	22137-050000	WASHER, 5	1	1	1					
16	3	22217-050000	WASHER, SPRING 5	1	1	1					
17	3	24311-240100	O-RING, 1AP10A	1	1	1					
18	3	24315-000110	O-RING, 1BP11.0	3	3	3					
18-1	3	41851-000110	O-RING	3	3	3					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
18-2	3	24315-000110	O-RING, 1BP11.0	3	3	3					N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
19	3	24373-240100	RING, BACK UP T3P10A	1	1	1					
20	3	26450-050102	BOLT, M5X 10	3	3	3					
21	3	26450-050102	BOLT, M5X 10	1	1	1					
22	3	26450-050302	BOLT, M5X 30	2	2	2					Z
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ)									
23	3	26450-080752	BOLT, M8X 75	4	4	4					
24	2	172A47-75600	COVER ASSY, END	1	1	1					
25	3	172458-74460	PLUG GPM1/32	8	8	8					
26	3	172A47-75410	COVER, END	1	1	1					
27	2	172A47-75420	O-RING	1	1	1					
28	2	24311-000060	O-RING, 1AP6.0	7	7	7					
29	2	24311-000090	O-RING, 1AP9.0	2	2	2					

N:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{No} \end{matrix}$  New, Q:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{Yes} \end{matrix}$  New, R:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{Yes} \end{matrix}$  New, S:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{No} \end{matrix}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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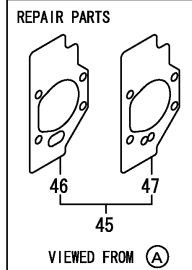
Fig.59. CONTROL VALVE(P PORT)(SG)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74102  
Fig. 59 REF. No. 1  
inc. Fig. 59 REF. No. 2~42  
Fig. 60 REF. No. 1~41  
Fig. 61 REF. No. 1~28  
Fig. 62 REF. No. 1~58  
Fig. 63 REF. No. 1~26  
Fig. 64 REF. No. 1~29



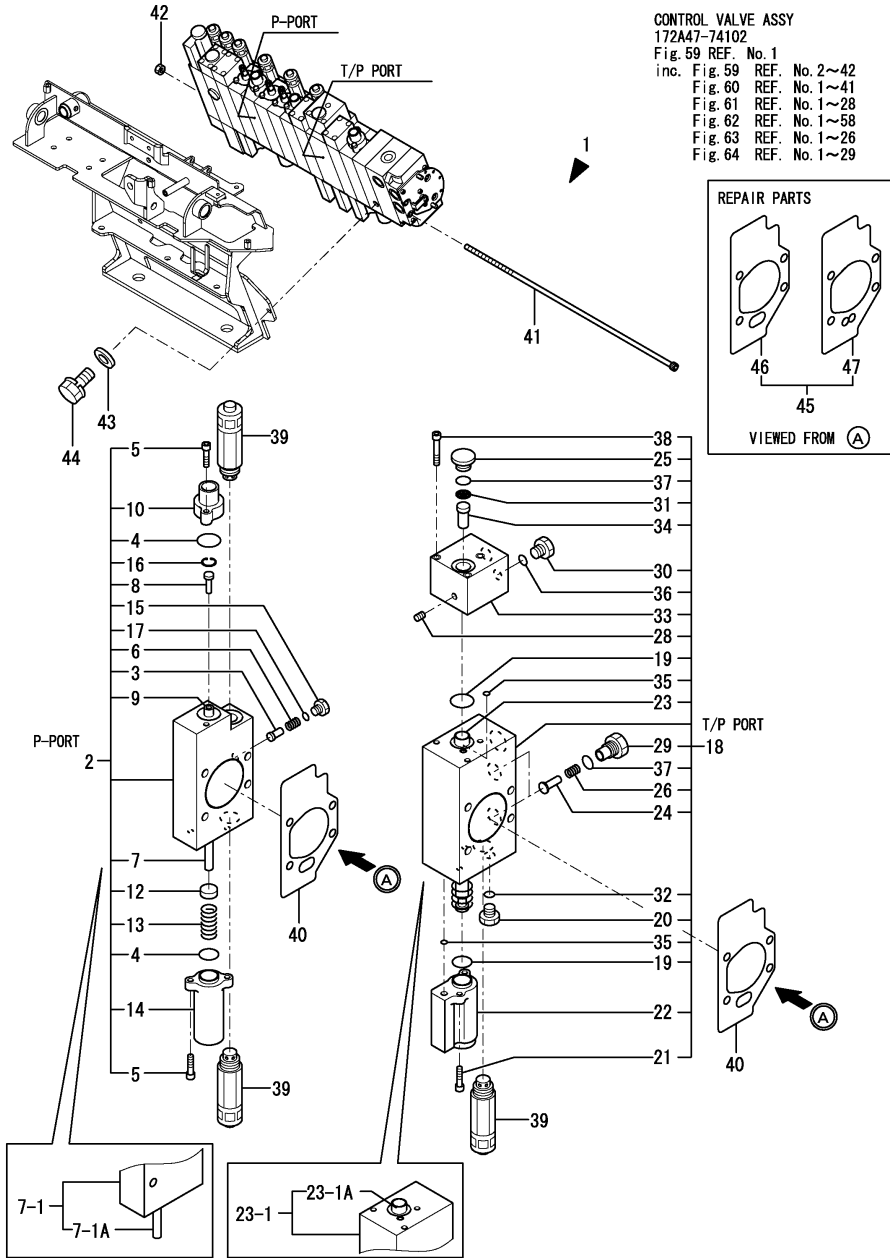
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-74102	VALVE ASSY, CONTROL				1				
1-1	1	172A47-74103	VALVE ASSY, CONTROL (D=MZZZZZ)				1				N
2	2	172A47-75520	PART, SUPPLY				1				
3	3	172499-70180	VALVE ASSY, REVERSE				1				
4	3	172458-74230	O-RING				2				
5	3	172458-74260	SWP HEX.BOLT 5X20				4				
6	3	172173-74280	SPRING				1				
7	3	172A47-74350	SPOOL ASSY, INLET				1				Z
7-1	3	172A47-74500	SECTION ASSY, INLET (D=MZZZZZ)				1				W
7-1A	4	172A47-74350	SPOOL ASSY, INLET (D=MZZZZZ)				1				
8	3	172A47-74360	FILTER				1				
9	3	172A47-74370	PISTON				1				
10	3	172A47-74380	COVER, PILOT				1				
12	3	172458-74530	SEAT, SPRING				1				
13	3	172458-74540	SPRING, RETURN				1				
14	3	172458-74550	COVER, PILOT				1				
15	3	172458-74670	PLUG, PF1/8				1				
16	3	172A47-74980	CIRCLIP				1				
17	3	24315-000080	O-RING, 1BP8.0				1				
18	2	172A47-75570	SECTION ASSY				1				
18-1	2	172A47-75571	SECTION ASSY (D=MZZZZZ)				1				N
19	3	172458-74230	O-RING (D=MZZZZZ)				2				
20	3	172A47-74260	PLUG (SAE1/4)				2				
20-1	3	172A47-74260	PLUG (SAE1/4) (D=MZZZZZ)				1				K
21	3	172458-74260	SWP HEX.BOLT 5X20 (D=MZZZZZ)				1				
21-1	3	172458-74260	SWP HEX.BOLT 5X20 (D=MZZZZZ)				2				K
22	3	172A47-74280	COVER, PILOT				1				
23	3	172A47-74290	SPOOL ASSY (D=MZZZZZ)				1				Z
23-1	3	172A47-74440	SECTION, CONFLUENE (D=MZZZZZ)				1				W
23-1A	4	172A47-74290	SPOOL ASSY (D=MZZZZZ)				1				
23-2	3	172A47-74441	SECTION, CONFLUENE (D=MZZZZZ)				1				N
23-2A	4	172A47-74291	SPOOL ASSY (D=MZZZZZ)				1				N
24	3	172458-74290	VALVE, REVERSE				2				
25	3	172183-74350	PLUG PF1/4				1				
26	3	172458-74360	SPRING, VALVE				2				
28	3	172458-74460	PLUG GPM1/32				2				
29	3	172458-74640	STAY, VALVE				2				
30	3	172458-74670	PLUG, PF1/8				1				
31	3	172499-74860	FILTER				1				
32	3	172A47-74950	O-RING				1				
33	3	172A47-74960	BODY, PILOT				1				

Remarks  
(1)REPAIR PARTS.

Fig.59. CONTROL VALVE(P PORT)(SG)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



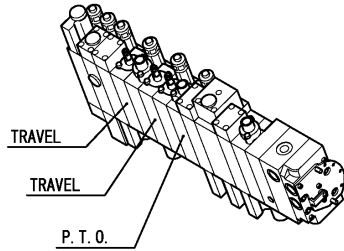
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
34	3	172499-74960	PLUG				1					
35	3	24311-000060	O-RING, 1AP6.0				2					
36	3	24315-000080	O-RING, 1BP8.0				1					
37	3	41851-000110	O-RING				3					
37-1	3	24315-000110	O-RING, 1BP11.0				3				N	
(D=MZZZZ)												
38	3	26450-050452	BOLT, M5X 45				3					
39	2	172A47-75400	VALVE ASSY, RELIEF				3					
40	2	172A47-75430	GASKET				2					
41	2	172A47-75450	BOLT L=412				4					
42	2	26716-080002	NUT, M8				4					
43	1	22133-100000	WASHER, 10				3					
44	1	26013-100162	BOLT, M10X 16				3					
45	1	172A46-74330	GASKET SET				1				1	
46	2	172A47-75430	GASKET				11					
47	2	172A47-75440	GASKET				1					

Remarks  
 (1)REPAIR PARTS.

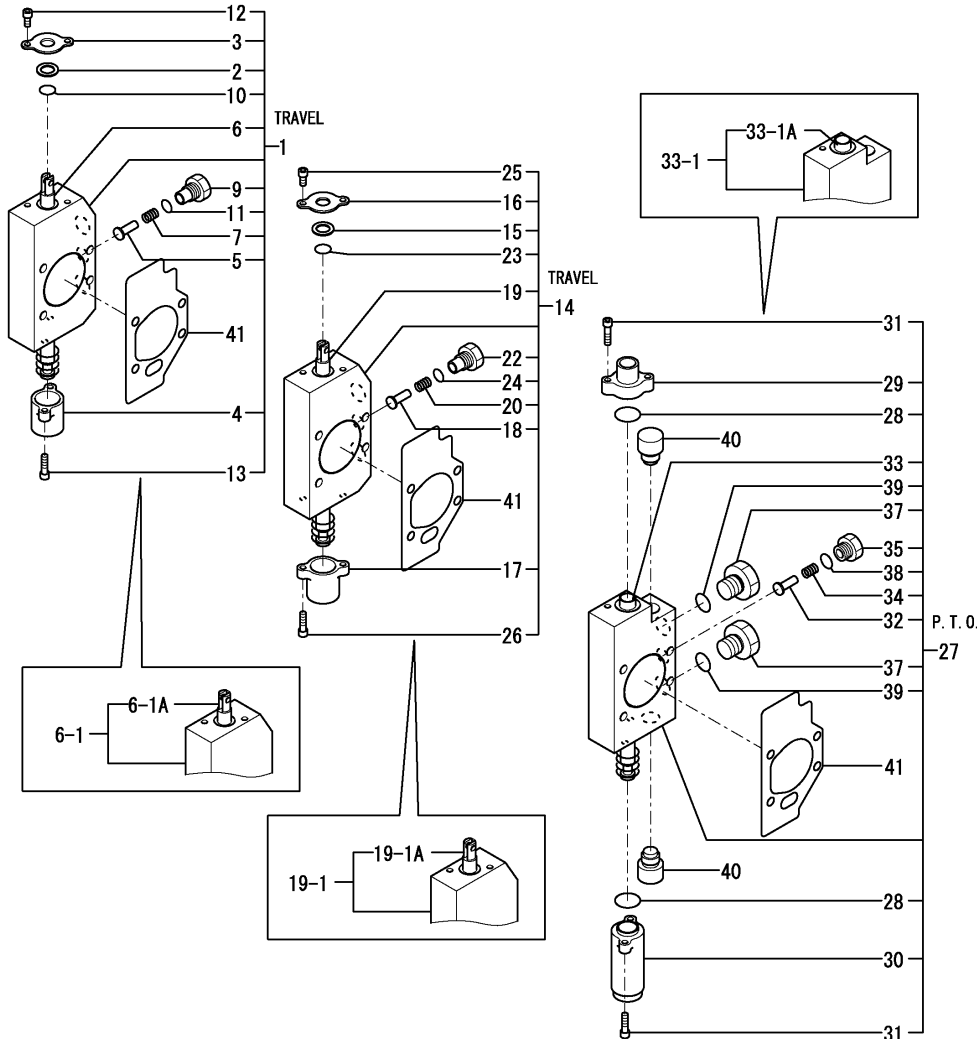
Fig.60. CONTROL VALVE(TRAVEL & P.T.O.)(SG)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74102  
Fig. 59 REF. No.1  
inc. Fig. 59 REF. No. 2~42  
Fig. 60 REF. No. 1~41  
Fig. 61 REF. No. 1~28  
Fig. 62 REF. No. 1~58  
Fig. 63 REF. No. 1~26  
Fig. 64 REF. No. 1~29



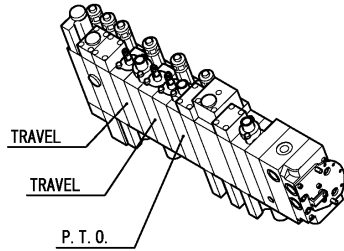
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75510	SECTION, TRAVEL				1				
1-1	2	172A47-75511	SECTION, TRAVEL (D=MZZZZZ)				1				N
2	3	172458-74130	DUST WIPER				1				
3	3	172458-74140	RETAINER, SEAL				1				
4	3	172458-74170	CAP, SPRING				1				
4-1	3	172A78-74170	CAP, SPRING (D=MZZZZZ)				1				N
5	3	172458-74290	VALVE, REVERSE				1				
6	3	172A47-74340	SPOOL ASSY, TRAVEL (D=MZZZZZ)				1				Z
6-1	3	172A47-74530	SECTION ASSY, TRAVEL (D=MZZZZZ)				1				W
6-1A	4	172A47-74340	SPOOL ASSY, TRAVEL				1				
7	3	172458-74360	SPRING, VALVE				1				
9	3	172458-74640	STAY, VALVE				1				
10	3	24311-000120	O-RING, 1AP12.0				1				
11	3	41851-000110	O-RING				1				
11-1	3	24315-000110	O-RING, 1BP11.0 (D=MZZZZZ)				1				N
12	3	26450-050102	BOLT, M5X 10				2				
13	3	26450-050182	BOLT, M5X 18				2				
14	2	172A47-75530	SECTION, TRAVEL				1				
14-1	2	172A47-75531	SECTION, TRAVEL (D=MZZZZZ)				1				N
15	3	172458-74130	DUST WIPER				1				
16	3	172458-74140	RETAINER, SEAL				1				
17	3	172458-74170	CAP, SPRING				1				
17-1	3	172A78-74170	CAP, SPRING (D=MZZZZZ)				1				N
18	3	172458-74290	VALVE, REVERSE				1				
19	3	172A47-74340	SPOOL ASSY, TRAVEL (D=MZZZZZ)				1				Z
19-1	3	172A47-74490	SECTION, TRAVEL (D=MZZZZZ)				1				W
19-1A	4	172A47-74340	SPOOL ASSY, TRAVEL				1				
20	3	172458-74360	SPRING, VALVE				1				
22	3	172458-74640	STAY, VALVE				1				
23	3	24311-000120	O-RING, 1AP12.0				1				
24	3	41851-000110	O-RING				1				
24-1	3	24315-000110	O-RING, 1BP11.0 (D=MZZZZZ)				1				N
25	3	26450-050102	BOLT, M5X 10				2				
26	3	26450-050182	BOLT, M5X 18				2				
27	2	172A47-75550	SECTION, PTO				1				
28	3	172458-74230	O-RING				2				
29	3	172458-74240	COVER, PILOT				1				
30	3	172458-74250	COVER, PILOT				1				
31	3	172458-74260	SWP HEX.BOLT 5X20				4				
32	3	172490-74310	VALVE, REVERSE				1				
33	3	172A47-74320	SPOOL ASSY, PTO				1				Z

N:Old  $\xrightarrow{\text{Yes}}$  New, Q:Old  $\xrightarrow{\text{No}}$  New, R:Old  $\xrightarrow{\text{Yes}}$  New, S:Old  $\xrightarrow{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
 ++ CONTINUE ++  
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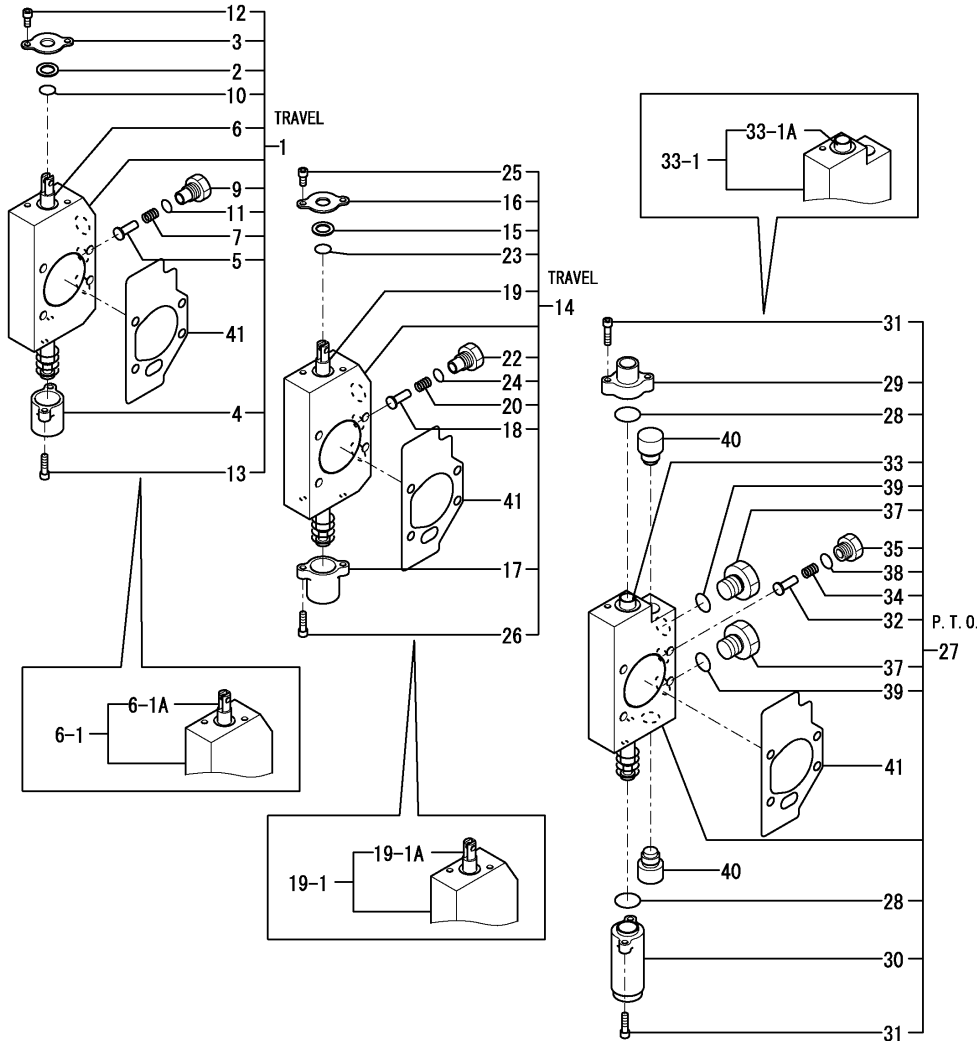
Fig.60. CONTROL VALVE(TRAVEL & P.T.O.)(SG)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



CONTROL VALVE ASSY  
 172A47-74102  
 Fig. 59 REF. No.1  
 inc. Fig. 59 REF. No. 2~42  
 Fig. 60 REF. No. 1~41  
 Fig. 61 REF. No. 1~28  
 Fig. 62 REF. No. 1~58  
 Fig. 63 REF. No. 1~26  
 Fig. 64 REF. No. 1~29



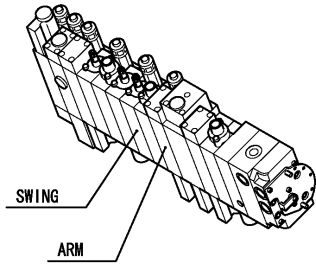
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
33-1	3	172A47-74470	PTO SECTION ASSY				1				W
			(D=MZZZZZ)								
			(D=MZZZZZ)								
33-1A	4	172A47-74320	SPOOL ASSY, PTO				1				
34	3	172490-74320	SPRING, VALVE				1				
35	3	172490-74330	STAY, VALVE				1				
37	3	172458-74650	STAY, VALVE				2				
38	3	41851-000110	O-RING				1				
38-1	3	24315-000110	O-RING, 1BP11.0				1				N
			(D=MZZZZZ)								
39	3	41851-000140	O RING P 14.0 HNBR				2				
39-1	3	24315-000140	O-RING, 1BP14.0				2				N
			(D=MZZZZZ)								
40	2	172A47-75460	RELIEF VALVE PLUG AS				2				
41	2	172A47-75430	GASKET				3				



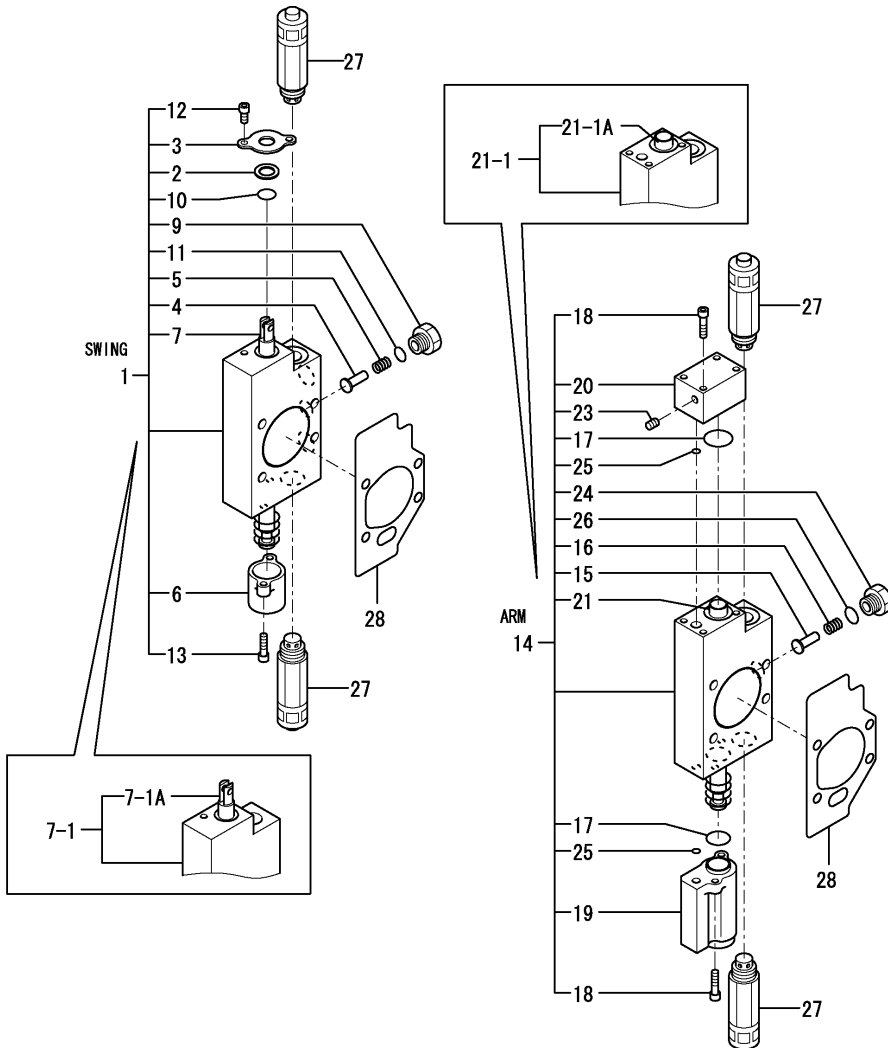
Fig.61. CONTROL VALVE(ARM & SWING)(SG)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



CONTROL VALVE ASSY  
 172A47-74102  
 Fig. 59 REF. No. 1  
 inc. Fig. 59 REF. No. 2~42  
 Fig. 60 REF. No. 1~41  
 Fig. 61 REF. No. 1~28  
 Fig. 62 REF. No. 1~58  
 Fig. 63 REF. No. 1~26  
 Fig. 64 REF. No. 1~29

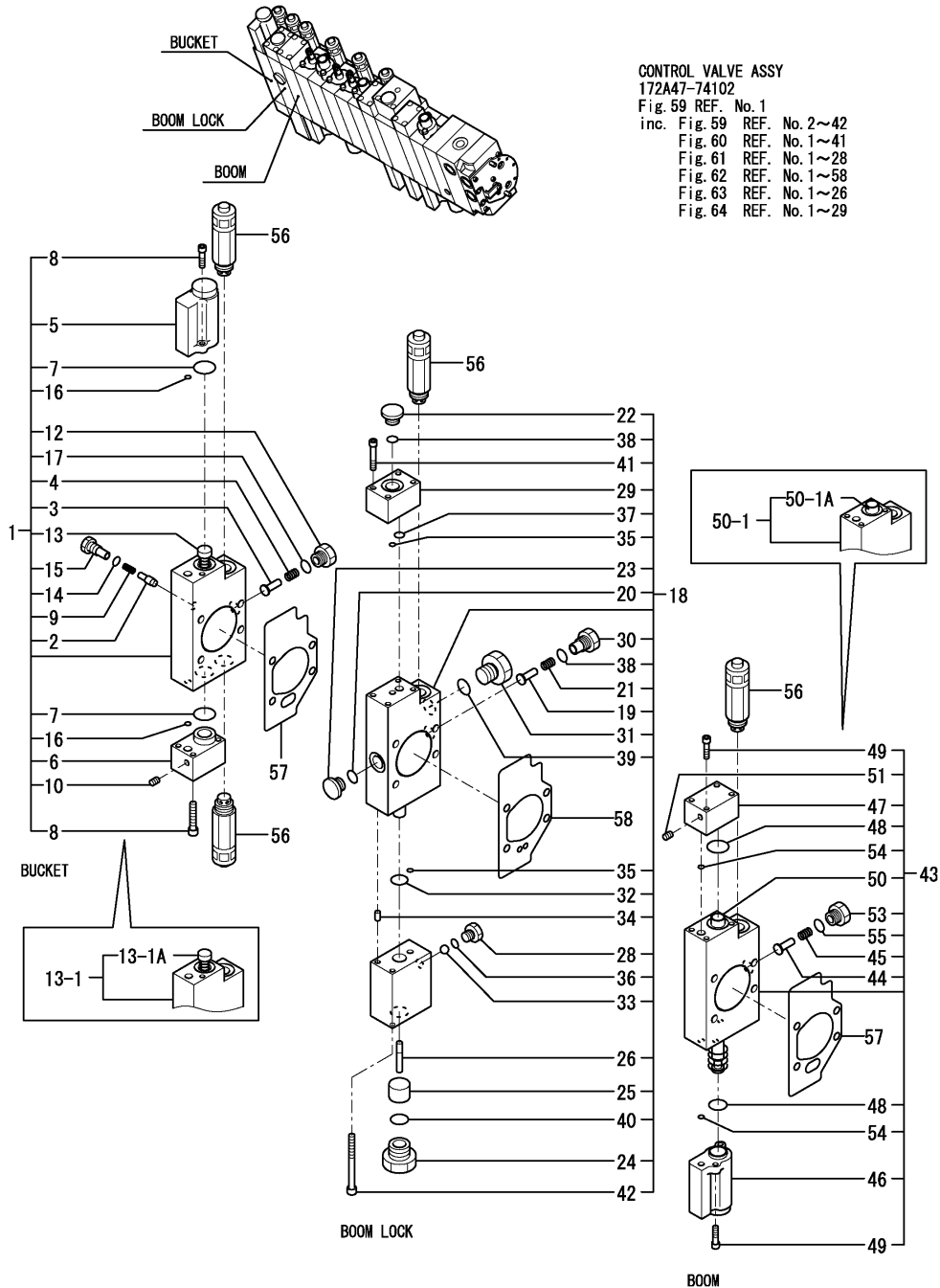


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75540	SECTION, SWING				1				
1-1	2	172A47-75541	SECTION, SWING				1				N
				(D=MZZZZZ)							
2	3	172458-74130	DUST WIPER				1				
3	3	172458-74140	RETAINER, SEAL				1				
4	3	172458-74150	VALVE, REVERSE				1				
5	3	172458-74160	SPRING, VALVE				1				
6	3	172458-74170	CAP, SPRING				1				
6-1	3	172A78-74170	CAP, SPRING				1				N
				(D=MZZZZZ)							
7	3	172A47-74330	SPOOL ASSY, SWING				1				Z
				(D=MZZZZZ)							
7-1	3	172A47-74480	SECTION, SWING				1				W
				(D=MZZZZZ)							
7-1A	4	172A47-74330	SPOOL ASSY, SWING				1				
9	3	172458-74630	STAY, VALVE				1				
10	3	24311-000120	O-RING, 1AP12.0				1				
11	3	41851-000110	O-RING				1				
11-1	3	24315-000110	O-RING, 1BP11.0				1				N
				(D=MZZZZZ)							
12	3	26450-050102	BOLT, M5X 10				2				
13	3	26450-050182	BOLT, M5X 18				2				
14	2	172A47-75561	SECTION, ARM				1				
15	3	172458-74150	VALVE, REVERSE				1				
16	3	172458-74160	SPRING, VALVE				1				
17	3	172458-74230	O-RING				2				
18	3	172458-74260	SWP HEX.BOLT 5X20				4				
19	3	172A47-74280	COVER, PILOT				1				
20	3	172A47-74300	COVER, PILOT				1				
21	3	172A47-74311	SPOOL ASSY, ARM				1				Z
				(D=MZZZZZ)							
21-1	3	172A47-74451	SECTION, ARM				1				W
				(D=MZZZZZ)							
21-1A	4	172A47-74311	SPOOL ASSY, ARM				1				
23	3	172458-74460	PLUG GPM1/32				1				
24	3	172458-74630	STAY, VALVE				1				
25	3	24311-000060	O-RING, 1AP6.0				2				
26	3	41851-000110	O-RING				1				
26-1	3	24315-000110	O-RING, 1BP11.0				1				N
				(D=MZZZZZ)							
27	2	172A47-75470	VALVE ASSY, OVERLOAD				4				
28	2	172A47-75430	GASKET				2				

Fig.62. CONTROL VALVE(BOOM & BUCKET)(SG)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



CONTROL VALVE ASSY  
172A47-74102  
Fig. 59 REF. No. 1  
inc. Fig. 59 REF. No. 2~42  
Fig. 60 REF. No. 1~41  
Fig. 61 REF. No. 1~28  
Fig. 62 REF. No. 1~58  
Fig. 63 REF. No. 1~26  
Fig. 64 REF. No. 1~29

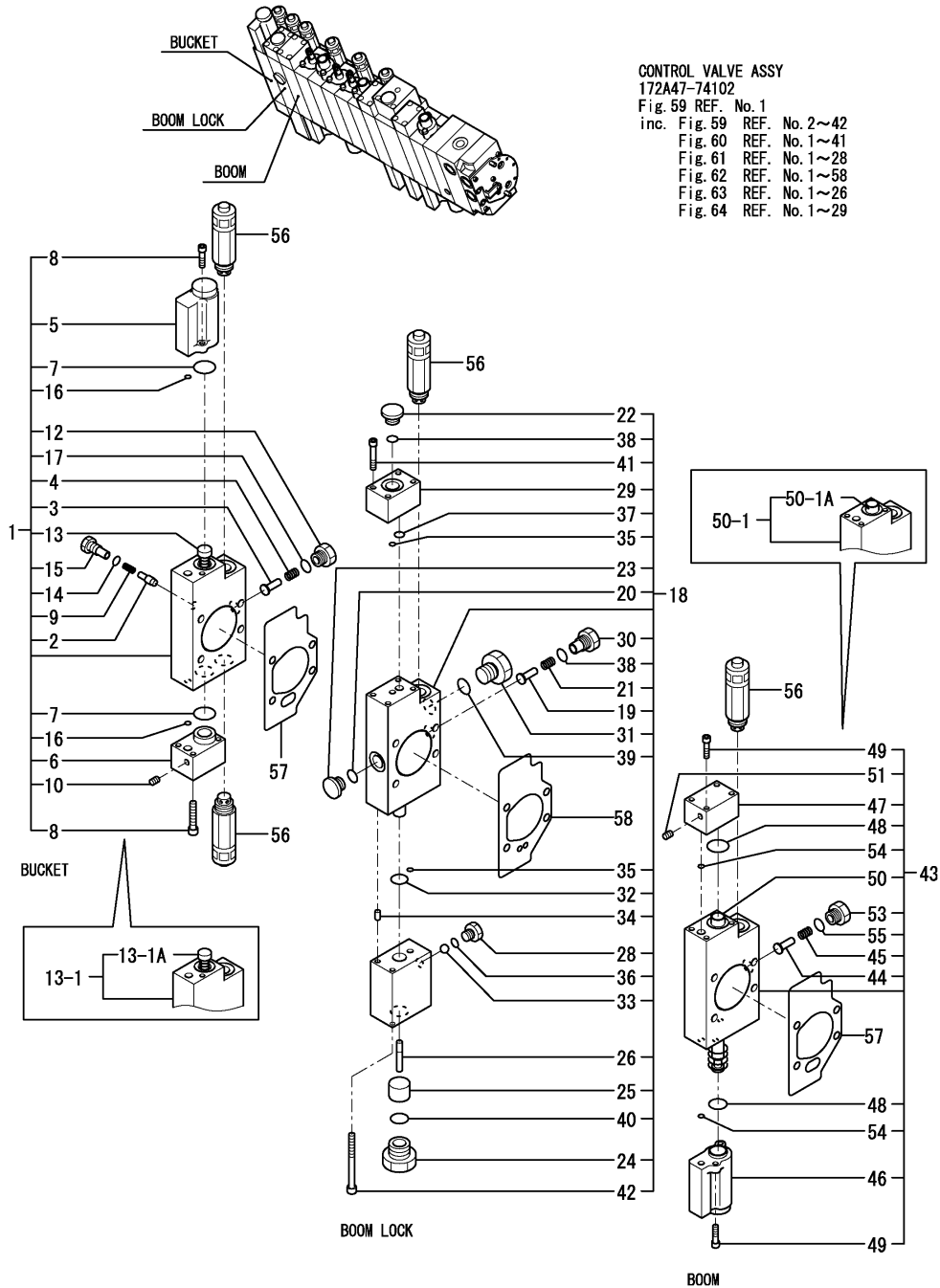
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75490	SECTION, BUCKET				1				
2	3	172499-70180	VALVE ASSY, REVERSE				1				
3	3	172458-74150	VALVE, REVERSE				1				
4	3	172458-74160	SPRING, VALVE				1				
5	3	172A47-74220	COVER, PILOT				1				
6	3	172A47-74230	COVER, PILOT				1				
7	3	172458-74230	O-RING				2				
8	3	172458-74260	SWP HEX.BOLT 5X20				4				
9	3	172173-74280	SPRING				1				
10	3	172458-74460	PLUG GPM1/32				1				
12	3	172458-74630	STAY, VALVE				1				
13	3	172A47-74940	SPOOL ASSY, BUCKET				1				Z
13-1	3	172A47-74550	SECTION ASSY, BACKET (D=MZZZZZ)				1				W
13-1A	4	172A47-74940	SPOOL ASSY, BUCKET				1				
14	3	172A47-74950	O-RING				1				
15	3	172A47-74970	STAY, VALVE				1				
16	3	24311-000060	O-RING, 1AP6.0				2				
17	3	41851-000110	O-RING				1				
17-1	3	24315-000110	O-RING, 1BP11.0				1				N
18	2	172A47-75610	LOCK VALVE ASSY (D=MZZZZZ)				1				
19	3	172499-70180	VALVE ASSY, REVERSE				1				
20	3	172A47-74270	O-RING				1				
21	3	172173-74280	SPRING				1				
22	3	172183-74350	PLUG PF1/4				1				
23	3	172A47-74460	PLUG,M12X1.25				1				
24	3	172A47-74560	BUSH PF1/2X1/4				1				
25	3	172A47-74570	PISTON B				1				
26	3	172A47-74580	PISTON A1				1				
28	3	172A47-74920	HOLDER, BALL				1				
29	3	172A47-74930	BODY,DISCHARGE				1				
30	3	172A47-74970	STAY, VALVE				1				
31	3	172A47-75620	STAY, VALVE				1				
32	3	172A47-75680	O-RING				1				
33	3	172A47-75690	STEEL BALE 7MM				1				
34	3	22312-050100	PIN, PARALLEL M5X10				2				
35	3	24311-000060	O-RING, 1AP6.0				2				
36	3	24315-000080	O-RING, 1BP8.0				1				
37	3	24315-000100	O-RING, 1BP10.0				1				
38	3	41851-000110	O-RING				2				
38-1	3	24315-000110	O-RING, 1BP11.0				2				N
39	3	41851-000140	O RING P 14.0 HNBR (D=MZZZZZ)				1				
39-1	3	24315-000140	O-RING, 1BP14.0				1				N
40	3	41851-000180	O RING (D=MZZZZZ)				1				
40-1	3	24315-000180	O-RING, 1BP18.0				1				N
41	3	26450-050302	BOLT, M5X 30 (D=MZZZZZ)				2				

N:Old  $\xrightarrow{\text{Yes}}$  New, Q:Old  $\xrightarrow{\text{No}}$  New, R:Old  $\xrightarrow{\text{Yes}}$  New, S:Old  $\xrightarrow{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
++ CONTINUE ++  
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Fig.62. CONTROL VALVE(BOOM & BUCKET)(SG)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



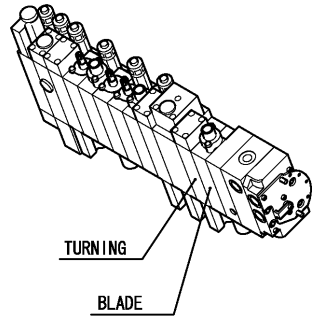
CONTROL VALVE ASSY  
 172A47-74102  
 Fig. 59 REF. No. 1  
 inc. Fig. 59 REF. No. 2~42  
 Fig. 60 REF. No. 1~41  
 Fig. 61 REF. No. 1~28  
 Fig. 62 REF. No. 1~58  
 Fig. 63 REF. No. 1~26  
 Fig. 64 REF. No. 1~29

No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
42	3	26450-060652	BOLT, M6X 65				2					
43	2	172A47-75501	SECTION, BOOM				1					
44	3	172458-74150	VALVE, REVERSE				1					
45	3	172458-74160	SPRING, VALVE				1					
46	3	172A47-74220	COVER, PILOT				1					
47	3	172A47-74230	COVER, PILOT				2					
48	3	172458-74230	O-RING				2					
49	3	172458-74260	SWP HEX.BOLT 5X20				4					
50	3	172A47-74411	SPOOL ASSY, BOOM				1					Z
			(D=MZZZZZ)									
50-1	3	172A47-74541	SECTION, BOOM				1					W
			(D=MZZZZZ)									
50-1A	4	172A47-74411	SPOOL ASSY, BOOM				1					
51	3	172458-74460	PLUG GPM1/32				1					
53	3	172458-74630	STAY, VALVE				1					
54	3	24311-000060	O-RING, 1AP6.0				2					
55	3	41851-000110	O-RING				1					
55-1	3	24315-000110	O-RING, 1BP11.0				1					N
			(D=MZZZZZ)									
56	2	172A47-75470	VALVE ASSY, OVERLOAD				4					
57	2	172A47-75430	GASKET				2					
58	2	172A47-75440	GASKET				1					

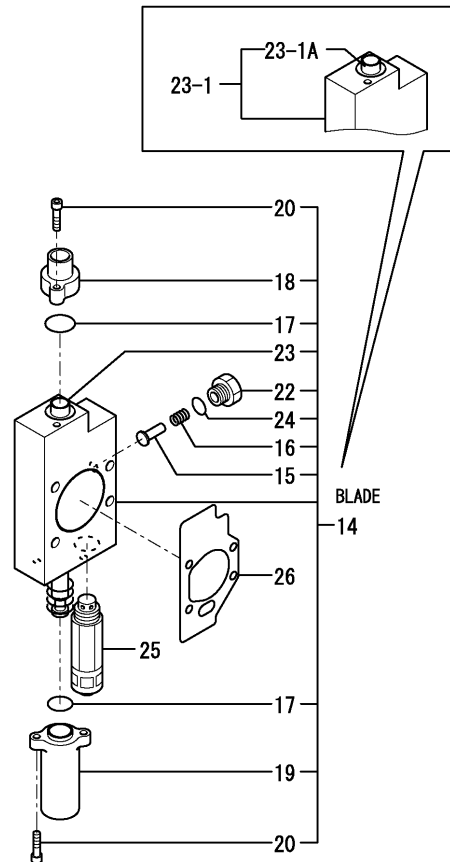
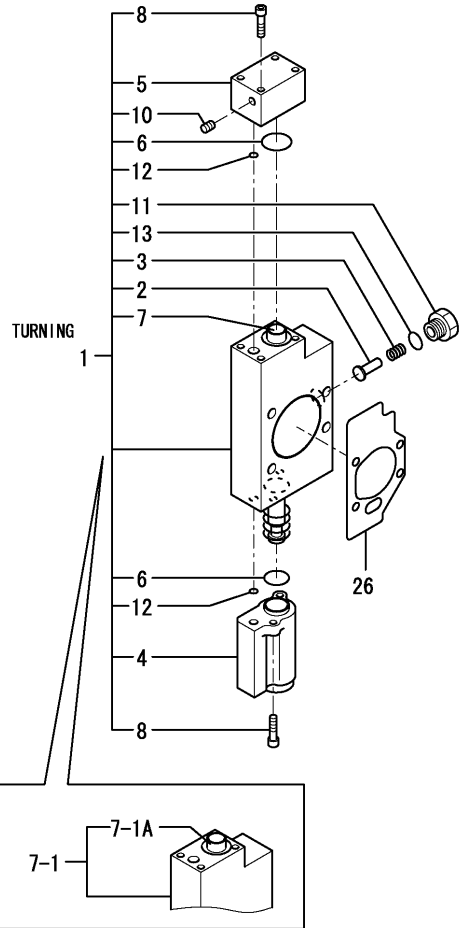
Fig.63. CONTROL VALVE(TURNING & BLADE)(SG)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



CONTROL VALVE ASSY  
 172A47-74102  
 Fig. 59 REF. No. 1  
 inc. Fig. 59 REF. No. 2~42  
 Fig. 60 REF. No. 1~41  
 Fig. 61 REF. No. 1~28  
 Fig. 62 REF. No. 1~58  
 Fig. 63 REF. No. 1~26  
 Fig. 64 REF. No. 1~29

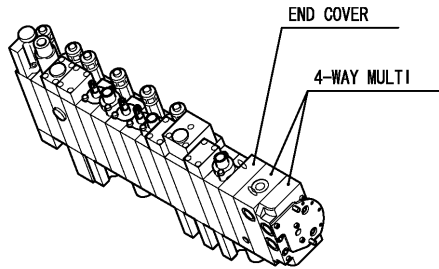


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A47-75581	SECTION, SWING				1				
2	3	172458-74150	VALVE, REVERSE				1				
3	3	172458-74160	SPRING, VALVE				1				
4	3	172A47-74220	COVER, PILOT				1				
5	3	172A47-74230	COVER, PILOT				1				
6	3	172458-74230	O-RING				2				
7	3	172A47-74241	SPOOL ASSY, SWING				1				Z
7-1	3	172A47-74431	SECTION, SWING (D=MZZZZZ)				1				W
7-1A	4	172A47-74241	SPOOL ASSY, SWING (D=MZZZZZ)				1				
8	3	172458-74260	SWP HEX.BOLT 5X20				4				
10	3	172458-74460	PLUG GPM1/32				1				
11	3	172458-74630	STAY, VALVE				1				
12	3	24311-000060	O-RING, 1AP6.0				2				
13	3	41851-000110	O-RING				1				
13-1	3	24315-000110	O-RING, 1BP11.0 (D=MZZZZZ)				1				N
14	2	172A47-75591	SECTION, BLADE				1				
15	3	172458-74150	VALVE, REVERSE				1				
16	3	172458-74160	SPRING, VALVE				1				
17	3	172458-74230	O-RING				2				
18	3	172458-74240	COVER, PILOT				1				
19	3	172458-74250	COVER, PILOT				1				
20	3	172458-74260	SWP HEX.BOLT 5X20				4				
22	3	172458-74630	STAY, VALVE				1				
23	3	172A47-75671	SPOOL ASSY, BLADE				1				Z
23-1	3	172A47-74421	SECTION ASSY, BLADE (D=MZZZZZ)				1				W
23-1A	4	172A47-75671	SPOOL ASSY, BLADE (D=MZZZZZ)				1				
24	3	41851-000110	O-RING				1				
24-1	3	24315-000110	O-RING, 1BP11.0 (D=MZZZZZ)				1				N
25	2	172A47-75480	VALVE ASSY, OVERLOAD				1				
26	2	172A47-75430	GASKET				2				

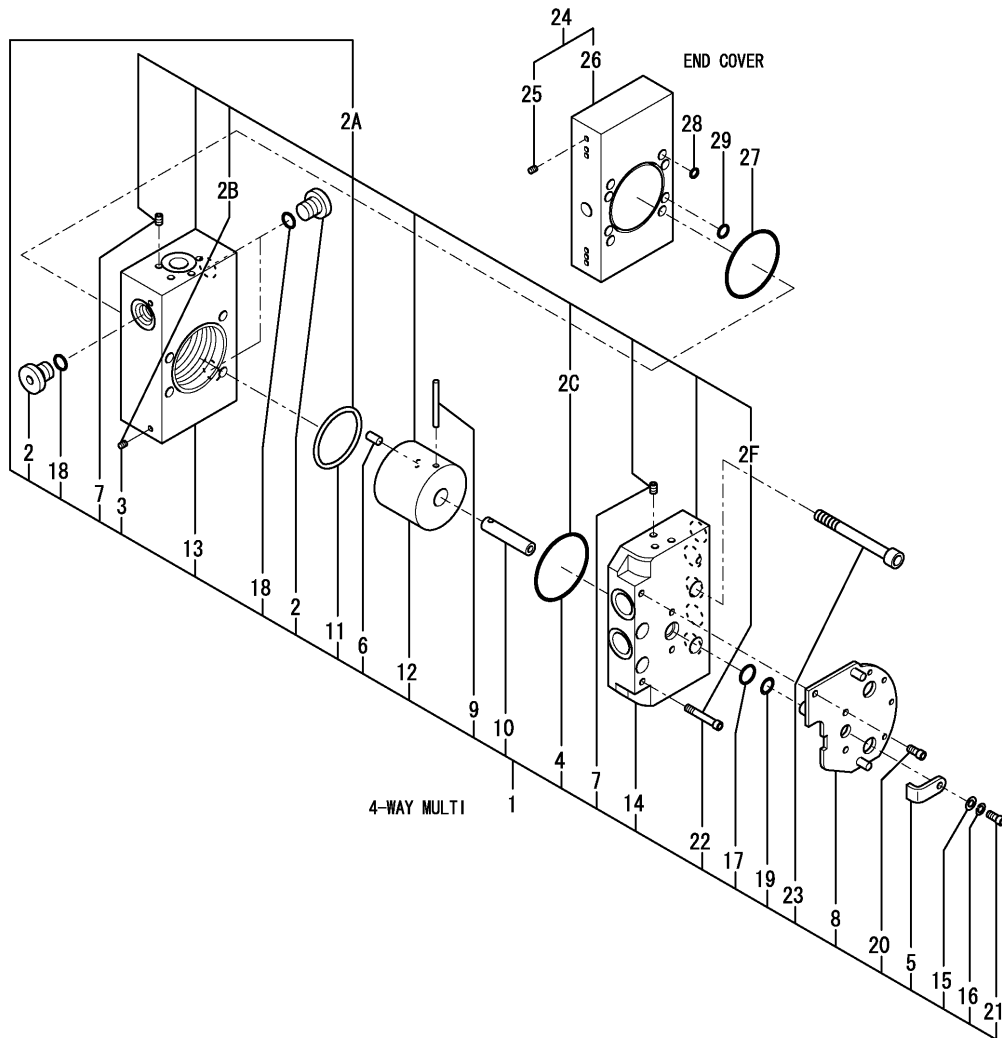
Fig.64. CONTROL VALVE(4-WAY MULTI & END COVER)(SG)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



CONTROL VALVE ASSY  
 172A47-74102  
 Fig. 59 REF. No. 1  
 inc. Fig. 59 REF. No. 2~42  
 Fig. 60 REF. No. 1~41  
 Fig. 61 REF. No. 1~28  
 Fig. 62 REF. No. 1~58  
 Fig. 63 REF. No. 1~26  
 Fig. 64 REF. No. 1~29

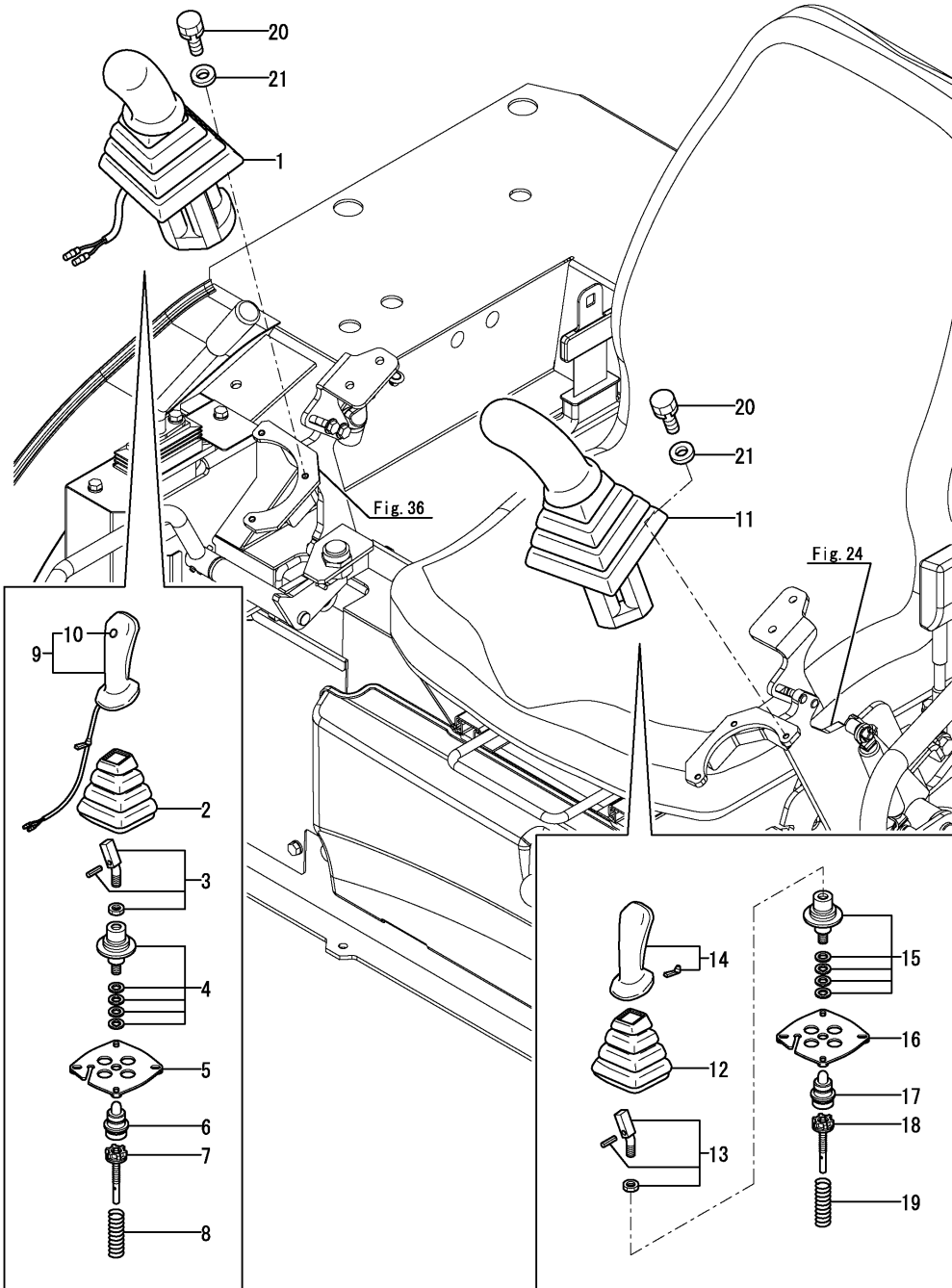


No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	2	172A47-74200	CP MCV 4WAY				1					
2	3	172183-74350	PLUG PF1/4				3					
2A	3	172A47-75900	BODY 4WAY KIT				1					W
			(D=MZZZZZ)									
2B	4	172458-74460	PLUG GPM1/32				2					
2C	4	172A47-75420	O-RING				1					
2F	4	26450-050302	BOLT, M5X 30				2					
3	3	172458-74460	PLUG GPM1/32				2					Z
			(D=MZZZZZ)									
4	3	172A47-75420	O-RING				1					Z
			(D=MZZZZZ)									
5	3	172A47-75700	STOPPER				1					
6	3	172A47-75710	PLUNGER 6MM				1					
7	3	172A47-75720	PLUG NPT1/16				11					Z
			(D=MZZZZZ)									
8	3	172A47-75730	PLATE				1					
9	3	172A47-75740	NEEDLE ROLLER 4MM				1					
10	3	172A47-75750	SHAFT				1					
11	3	172A47-75760	ROD PACKING SPNC50				1					Z
			(D=MZZZZZ)									
12	3	172A47-75770	CYLINDER				1					Z
			(D=MZZZZZ)									
13	3	172A47-75780	BODY B2				1					Z
			(D=MZZZZZ)									
14	3	172A47-75790	BODY A3				1					Z
			(D=MZZZZZ)									
15	3	22137-050000	WASHER, 5				1					
16	3	22217-050000	WASHER, SPRING 5				1					
17	3	24311-240100	O-RING, 1AP10A				1					
18	3	41851-000110	O-RING				3					
19	3	24373-240100	RING, BACK UP T3P10A				1					
20	3	26450-050102	BOLT, M5X 10				3					
21	3	26450-050102	BOLT, M5X 10				1					
22	3	26450-050302	BOLT, M5X 30				2					Z
			(D=MZZZZZ)									
23	3	26450-080752	BOLT, M8X 75				4					
24	2	172A47-75600	COVER ASSY, END				1					
25	3	172458-74460	PLUG GPM1/32				8					
26	3	172A47-75410	COVER, END				1					
27	2	172A47-75420	O-RING				1					
28	2	24311-000060	O-RING, 1AP6.0				7					
29	2	24311-000090	O-RING, 1AP9.0				2					

Fig.65. REMOTE CONTROL VALVE

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

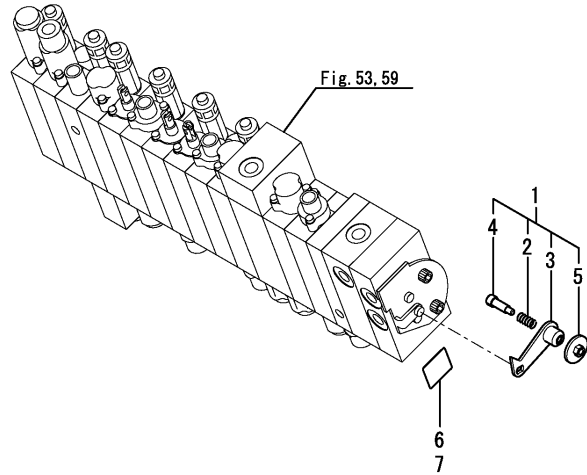


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-74510	VALVE ASSY,R PTO	1	1	1	1				
2	2	172441-74030	BELLOWS	1	1	1	1				
3	2	172441-74040	COMMAND KIT	1	1	1	1				
4	2	172463-74530	CARDAN KIT	1	1	1	1				
5	2	172463-74540	RETAINING PLATE	1	1	1	1				
6	2	172463-74551	PLUNGER KIT	1	1	1	1				
7	2	172463-74561	REGULATION KIT	4	4	4	4				
8	2	172463-74570	SPRING KIT	1	1	1	1				
9	2	172A47-74520	HANDLE YT	1	1	1	1				
10	3	172463-74580	SWITCH, BUTTON	1	1	1	1				
11	1	172463-74521	VALVE ASSY, L.US	1	1	1	1				
12	2	172441-74030	BELLOWS	1	1	1	1				
13	2	172441-74040	COMMAND KIT	1	1	1	1				
14	2	172441-74050	HANDLE L	1	1	1	1				
15	2	172463-74530	CARDAN KIT	1	1	1	1				
16	2	172463-74540	RETAINING PLATE	1	1	1	1				
17	2	172463-74551	PLUNGER KIT	1	1	1	1				
18	2	172463-74561	REGULATION KIT	4	4	4	4				
19	2	172463-74570	SPRING KIT	1	1	1	1				
20	1	26013-060202	BOLT, M6X 20	6	6	6	6				
21	1	22137-060000	WASHER, 6	6	6	6	6				

Fig.66. MULTI LEVER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-74600	MULTI V LEVER ASSY	1	1	1					
1-1	1	172A47-74601	MULTI V LEVER ASSY	1	1	1	1				R
		(A=M/#50948) (B=M/#50948) (C=M/#50948)									
2	2	1C6141-35370	SPRING, LOCK	1	1	1	1				
3	2	172A47-74610	LEVER ASSY	1	1	1					
3-1	2	172A47-74611	LEVER ASSY	1	1	1	1				R
		(A=M/#50948) (B=M/#50948) (C=M/#50948)									
4	2	172A47-74650	SHAFT	1	1	1	1				
5	2	172A47-74660	KNOB ASSY	1	1	1	1				
6	1	172A47-03220	LABEL,2-WAY	1	1	1					
7	1	172A47-03390	LAVEL,MULTILEVER US							1	
8	1	172437-03601	LABEL, 2-WAY US	1	1	1					
9	1	172444-03290	MAGNET							1	
10	1	172A47-03410	LABEL,4 WAY US							1	

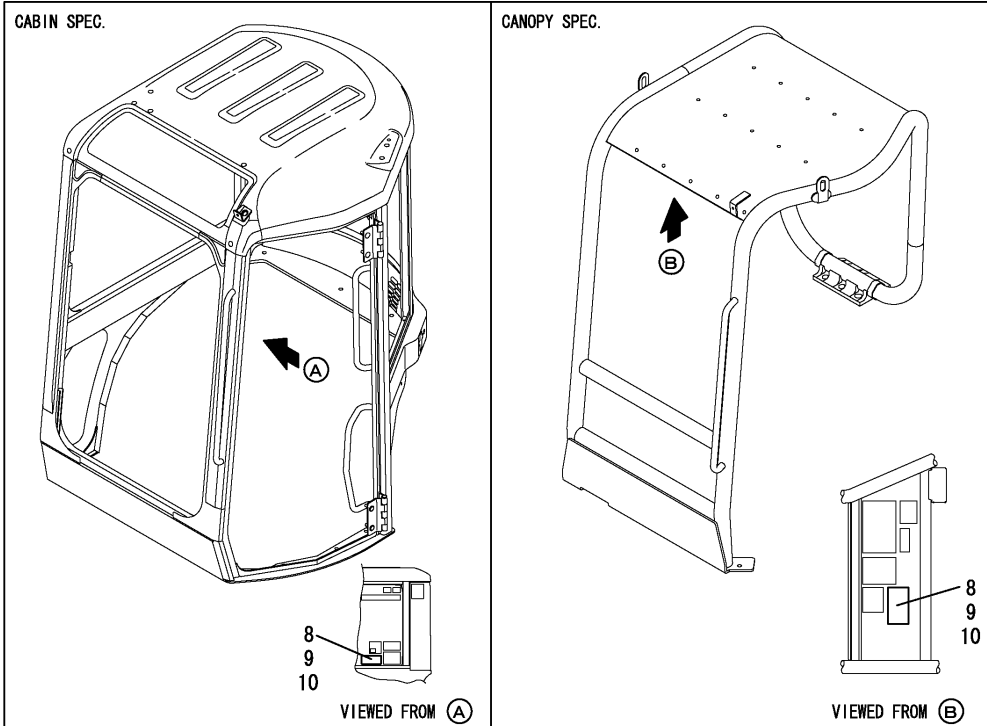
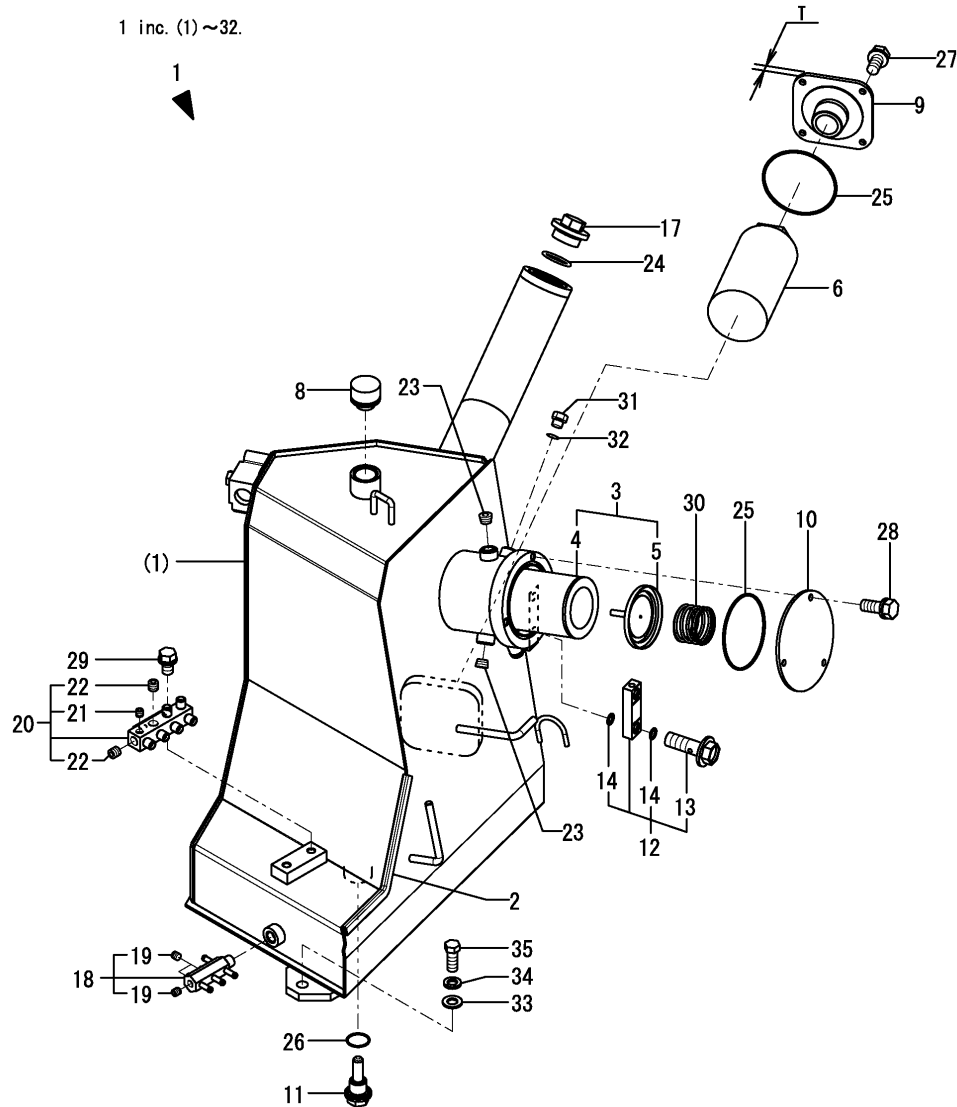


Fig.67. HYD.OIL TANK

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772A47-75100-1	TANK ASSY, OIL	1	1	1	1				1
2	2	172162-64320	TRIM	1	1	1	1				
3	2	172175-73700	FILTER ASSY, RETURN	1	1	1	1				
4	3	172175-73710	ELEMENT, FILTER	1	1	1	1				
5	3	172141-73770	VALVE ASSY, BYPASS	1	1	1	1				
6	2	172146-73730	FILTER, SUCTION	1	1	1	1				
8	2	172446-75250	CAP, RESERVER	1	1	1	1				
9	2	172183-75410	FLANGE, SUCTION	1	1	1	1				
9-1	2	172A46-75500	FRANGE, SUCTION	1	1	1	1				F 3
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
10	2	172460-75410	COVER, TANK	1	1	1					
10-1	2	172A47-75340	COVER, TANK	1	1	1	1				N
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
11	2	172187-75500	PLUG 24	1	1	1	1				
12	2	172447-75600	GAUGE ASSY	1	1	1	1				
13	3	172455-75290	BOLT M10	2	2	2	2				
14	3	172455-75300	O-RING	4	4	4	4				
17	2	172116-75850-B	PLUG, OIL FEED	1	1	1	1				
18	2	172A47-76300	DRAIN BLOCK	1	1	1	1				
19	3	23871-020000	PLUG, R02	3	3	3	3				
20	2	172A47-76310	PILOT BLOCK	1	1	1	1				
21	3	23871-010000	PLUG, R01	1	1	1	1				
22	3	23871-020000	PLUG, R02	2	2	2	2				
23	2	23871-030000	PLUG, R03	2	2	2	2				
24	2	24311-000380	O-RING, 1AP38.0	1	1	1	1				
25	2	24321-001050	O-RING, 1AG105.0	2	2	2	2				
26	2	24341-000300	O-RING, 1AS30.0	1	1	1	1				
27	2	26013-080162	BOLT, M8X 16	4	4	4	4				
27-1	2	26014-080252	BOLT, M8X 25	4	4	4	4				S
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
28	2	26013-080202	BOLT, M8X 20	3	3	3					
28-1	2	26014-080202	BOLT, M8X 20	3	3	3	3				R
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
29	2	26013-100162	BOLT, M10X 16	2	2	2	2				
29-1	2	26013-100202	BOLT, M10X 20	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
30	2	933152-02710	SPRING, CLUTCH	1	1	1	1				
31	2	172165-76590	PLUG PF1/4	1	1	1	1				W
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
32	2	24315-000110	O-RING, 1BP11.0	1	1	1					W
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
32-1	2	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
32A	1	172463-03290	LABEL, HYD.OIL US	1	1	1	1				2
33	1	22137-140000	WASHER, 14	3	3	3	3				
34	1	22217-140000	WASHER, SPRING 14	3	3	3	3				
35	1	26116-140352	BOLT, M14X 35 PLATED	3	3	3	3				

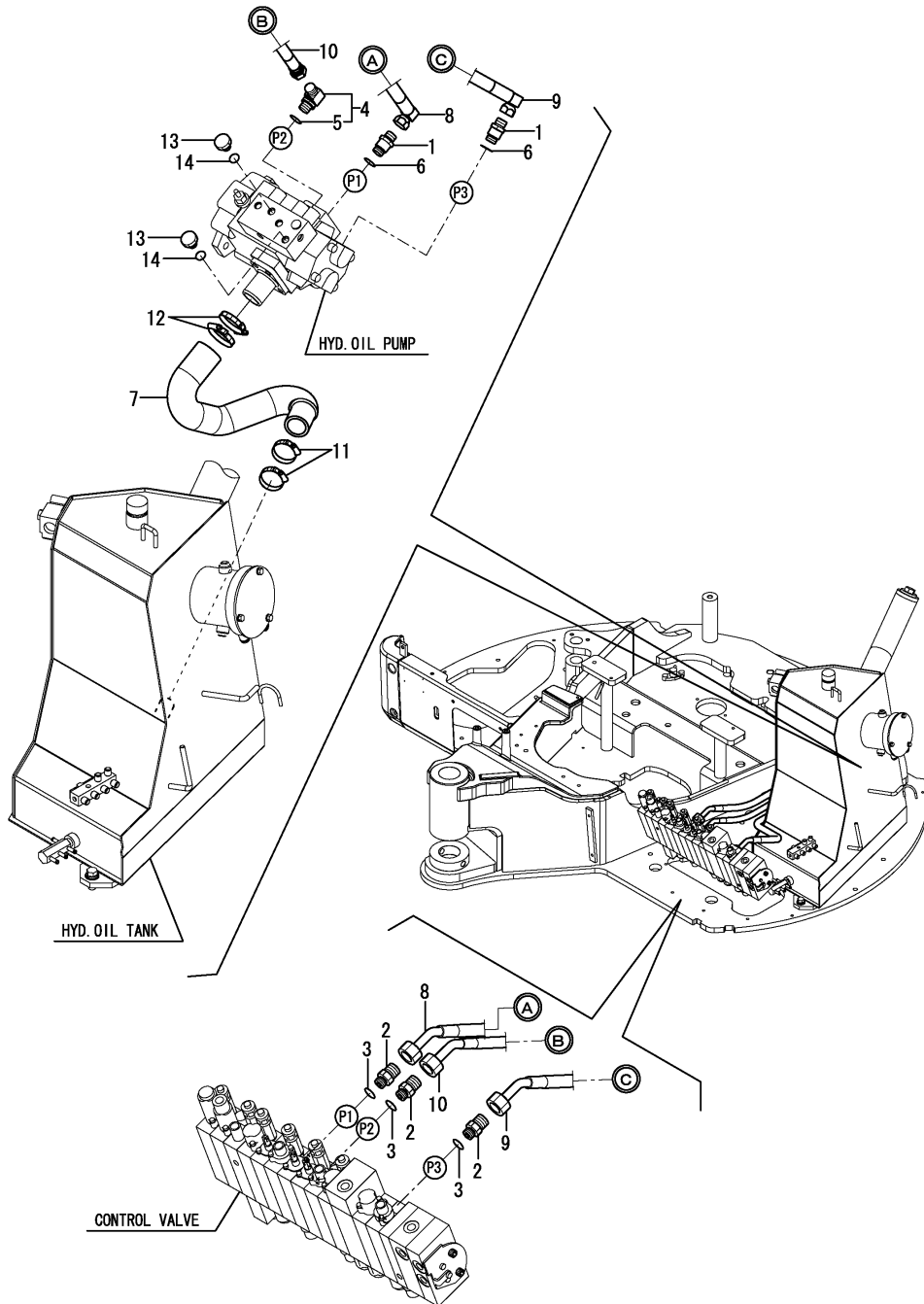
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.32A.  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)T=REF.NO.9:6MM, NO.9-1:12MM.  
 INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.27-1.



Fig.68. HYD.OIL PIPING(TANK - PUMP - VALVE)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

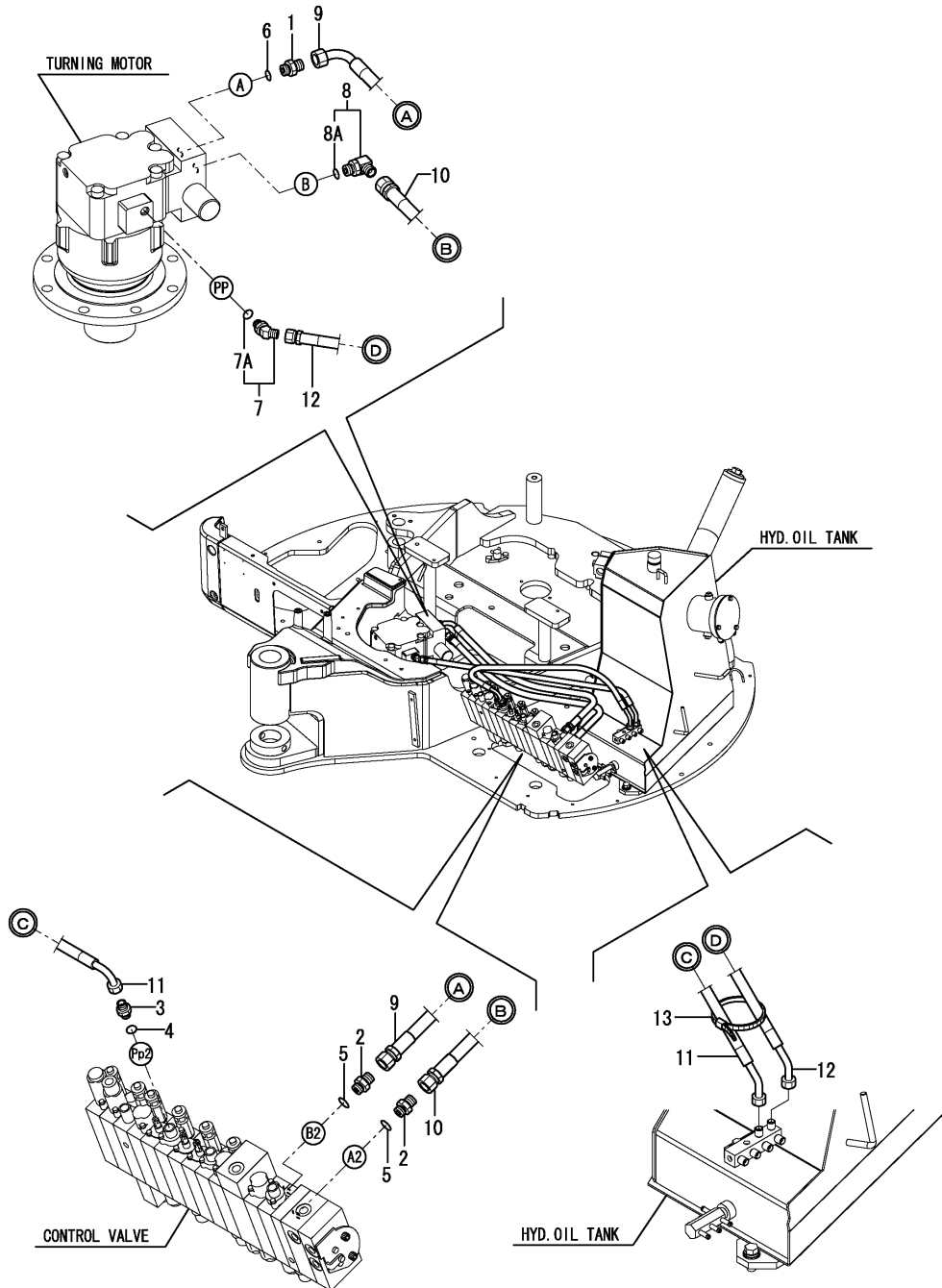


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172147-76271	CONNECTOR, 1/2X1/2	2	2	2	2				
2	1	172168-76162	CONNECTOR, PF1/2X3/8	3	3	3	3				
3	1	24315-000140	O-RING, 1BP14.0	3	3	3					
3-1	1	41851-000140	O RING P 14.0 HNBR	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
4	1	172A47-76150	ELBOW	1	1	1					
4-1	1	172A47-76151	ELBOW	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	2	24315-000180	O-RING, 1BP18.0	1	1	1					
5-1	2	41851-000180	O RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
6	1	24315-000180	O-RING, 1BP18.0	2	2	2					
6-1	1	41851-000180	O RING	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
7	1	172A47-78100	HOSE	1	1	1	1				
8	1	172A47-78990	HOSE	1	1	1	1				
9	1	172A47-78120	HOSE	1	1	1	1				
10	1	172A47-78110	HOSE	1	1	1	1				
11	1	23001-060000	CLAMP, HOSE 60	2	2	2	2				
12	1	23001-070000	CLAMP, HOSE 70	2	2	2	2				
13	1	172165-76590	PLUG PF1/4	2	2	2	2				
14	1	24315-000110	O-RING, 1BP11.0	2	2	2	2				
14-1	1	41851-000110	O-RING	2	2	2	2				N
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									

Fig.69. HYD.OIL PIPING(PUMP - VALVE - MOTOR)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

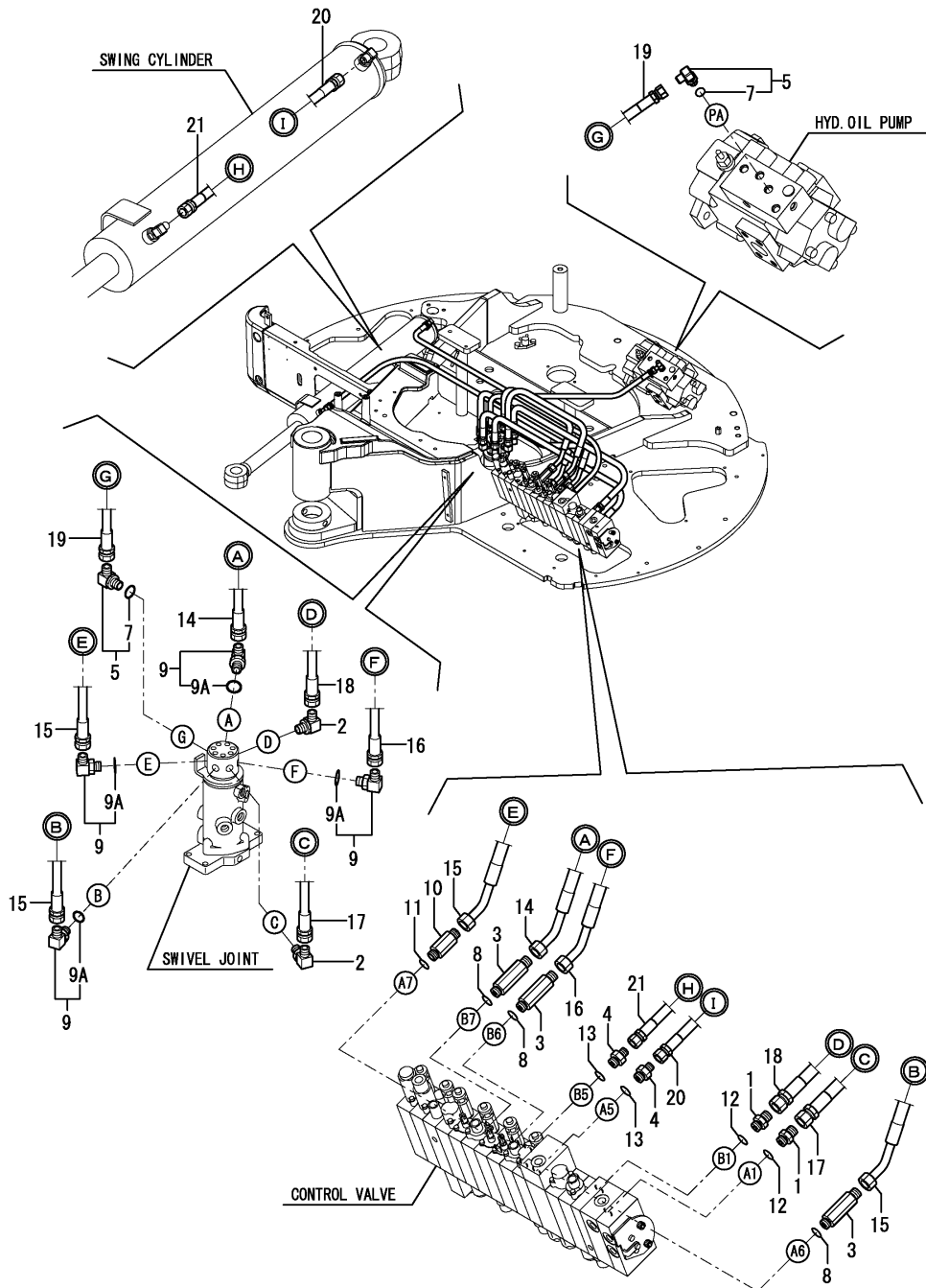


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	1	1	1	1				
2	1	172730-75141	ADAPTER	2	2	2	2				
3	1	172123-76121	ADAPTER	1	1	1	1				
4	1	24315-000110	O-RING, 1BP11.0	1	1	1					
4-1	1	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	1	24315-000140	O-RING, 1BP14.0	2	2	2					
5-1	1	41851-000140	O RING P 14.0 HNBR	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
6	1	24315-000140	O-RING, 1BP14.0	1	1	1					
6-1	1	41851-000140	O RING P 14.0 HNBR	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
7	1	172173-76101	CONNECTOR ASSY	1	1	1					
7-1	1	172173-76102	CONNECTOR ASSY	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
7A	2	41851-000110	O-RING	1	1	1	1				W
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
8	1	172142-76181	JOINT ASSY	1	1	1	1				
8A	2	24315-000140	O-RING, 1BP14.0	1	1	1	1				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
9	1	172A47-78180	HOSE	1	1	1	1				
10	1	172A47-78980	HOSE	1	1	1	1				
11	1	172A47-78590	HOSE	1	1	1	1				
12	1	172A47-78580	HOSE	1	1	1	1				
13	1	194202-56460	BAND, 200	1	1	1	1				

Fig.70. HYD.OIL PIPING(VALUE - SWIVEL - SWING)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

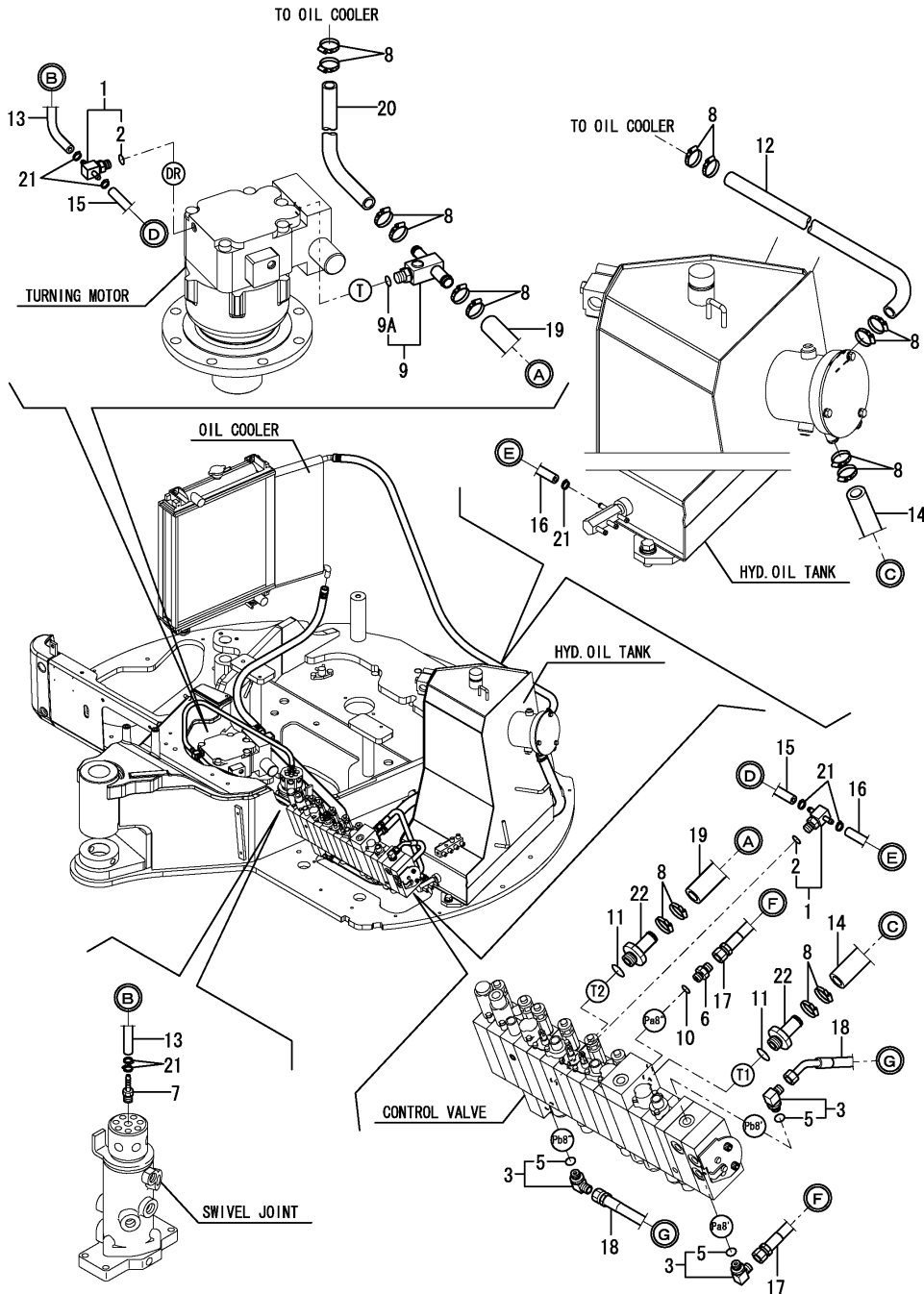


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	2	2	2	2				
2	1	172173-76121	CONNECTOR ASSY	2	2	2	2				
3	1	172162-76131	ADAPTER	3	3	3	3				
4	1	172124-76160	CONNECTOR	2	2	2	2				
5	1	172141-76180	CONNECTOR ASSY	2	2	2					
5-1	1	172141-76181	CONNECTOR ASSY, 02FF	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
7	2	24315-000110	O-RING, 1BP11.0	2	2	2					
7-1	2	41851-000110	O-RING	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
8	1	24315-000140	O-RING, 1BP14.0	3	3	3					
8-1	1	41851-000140	O RING P 14.0 HNBR	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
9	1	172142-76181	JOINT ASSY	4	4	4	4				
9A	2	24315-000140	O-RING, 1BP14.0	4	4	4	4				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
10	1	172116-76381	ADAPTER, 64	1	1	1	1				
11	1	24315-000140	O-RING, 1BP14.0	1	1	1					
11-1	1	41851-000140	O RING P 14.0 HNBR	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
12	1	24315-000140	O-RING, 1BP14.0	2	2	2					
12-1	1	41851-000140	O RING P 14.0 HNBR	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
13	1	24315-000140	O-RING, 1BP14.0	2	2	2					
13-1	1	41851-000140	O RING P 14.0 HNBR	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
14	1	172A47-78460	HOSE	1	1	1	1				
14-1	1	172A47-78461	HOSE F206BE071S	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
15	1	172A47-78460	HOSE	2	2	2	2				
15-1	1	172A47-78461	HOSE F206BE071S	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
16	1	172A47-78460	HOSE	1	1	1	1				
16-1	1	172A47-78461	HOSE F206BE071S	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
17	1	172A47-78230	HOSE	1	1	1	1				
17-1	1	172A47-78221	HOSE F206BB102S	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
18	1	172A47-78220	HOSE	1	1	1	1				
18-1	1	172A47-78221	HOSE F206BB102S	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
19	1	172A47-78600	HOSE	1	1	1	1				
20	1	172A47-78200	HOSE	1	1	1	1				
21	1	172A47-78170	HOSE	1	1	1	1				

Fig.71. HYD.OIL PIPING(RETURN)

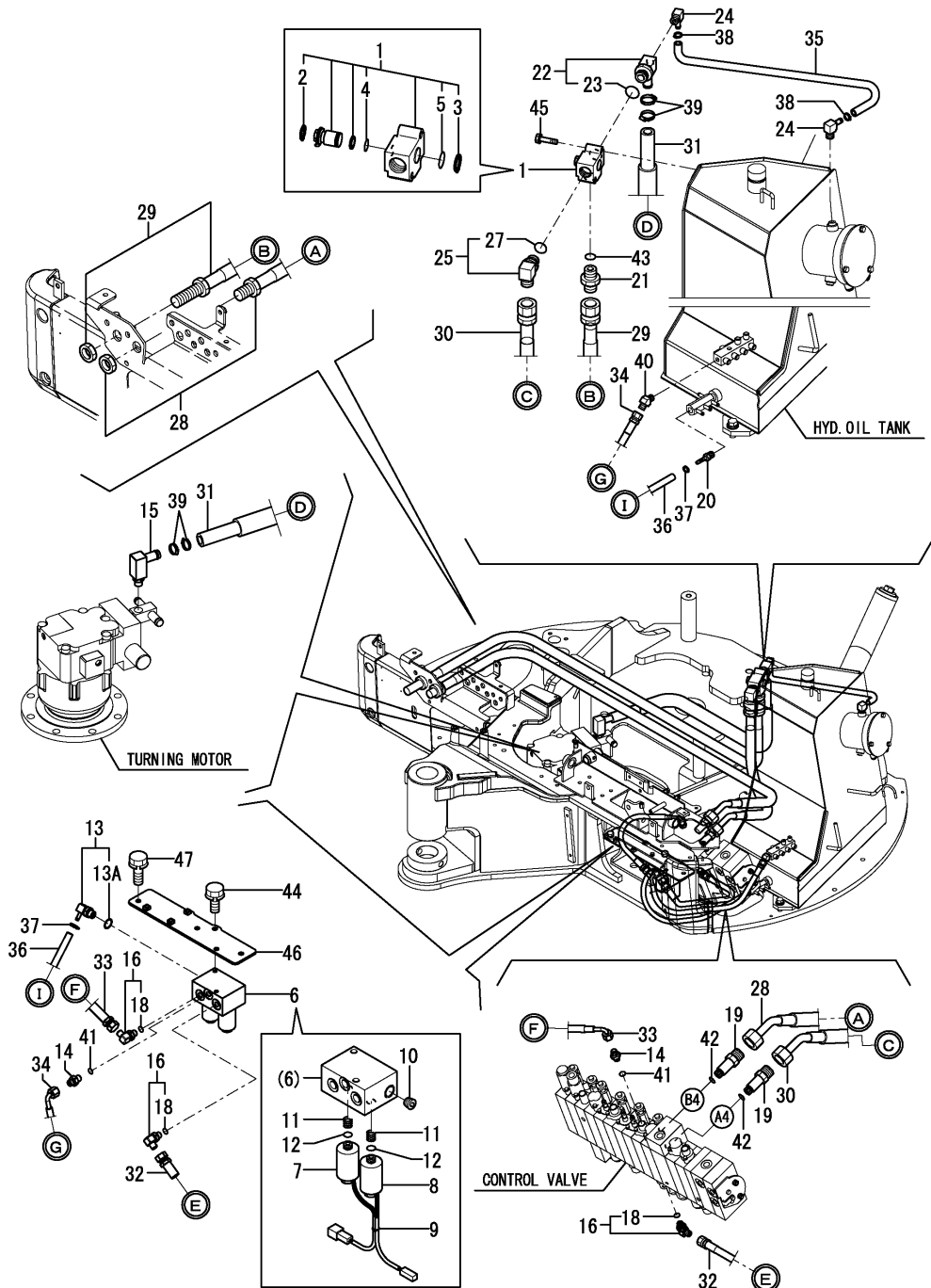
(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-76230	NIPPLE, TEE	2	2	2	2				
2	2	24315-000110	O-RING, 1BP11.0	2	2	2	2				
2-1	2	41851-000110	O-RING	2	2	2	2				N
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
3	1	172141-76180	CONNECTOR ASSY	3	3	3					
3-1	1	172141-76181	CONNECTOR ASSY, 02FF	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	2	24315-000110	O-RING, 1BP11.0	3	3	3					
5-1	2	41851-000110	O-RING	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
6	1	172123-76121	ADAPTER	1	1	1	1				
7	1	172141-76220	NIPPLE	1	1	1	1				
8	1	23001-025000	CLAMP, HOSE 25	16	16	16	16				
9	1	172A47-76240	NIPPLE, TEE	1	1	1	1				
9A	2	24315-000140	O-RING, 1BP14.0	1	1	1					
9A-1	2	41851-000140	O RING P 14.0 HNBR	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
10	1	24315-000110	O-RING, 1BP11.0	1	1	1					
10-1	1	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
11	1	24315-000180	O-RING, 1BP18.0	2	2	2					
11-1	1	41851-000180	O RING	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
12	1	172A47-78330	HOSE	1	1	1	1				
13	1	172A47-78340	HOSE	1	1	1	1				
13-1	1	172A47-78341	HOSE G804YY058	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
14	1	172A47-78300	HOSE	1	1	1	1				
15	1	172A47-78350	HOSE	1	1	1	1				
16	1	172A47-78360	HOSE	1	1	1	1				
17	1	172A47-78610	HOSE	1	1	1	1				
18	1	172A47-78620	HOSE	1	1	1	1				
19	1	172A47-78310	HOSE	1	1	1	1				
19-1	1	172A52-78310	HOSE	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
20	1	172A47-78320	HOSE	1	1	1	1				
21	1	23000-013000	CLAMP, 13	7	7	7	7				
22	1	172A47-76190	NIPPLE	2	2	2					
22-1	1	172A47-76191	NIPPLE	2	2	2	2				N
		(A=M/#50755) (B=M/#50755) (C=M/#50755)									

Fig.72. HYD.OIL PIPING(P.T.O. : FRAME END)



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

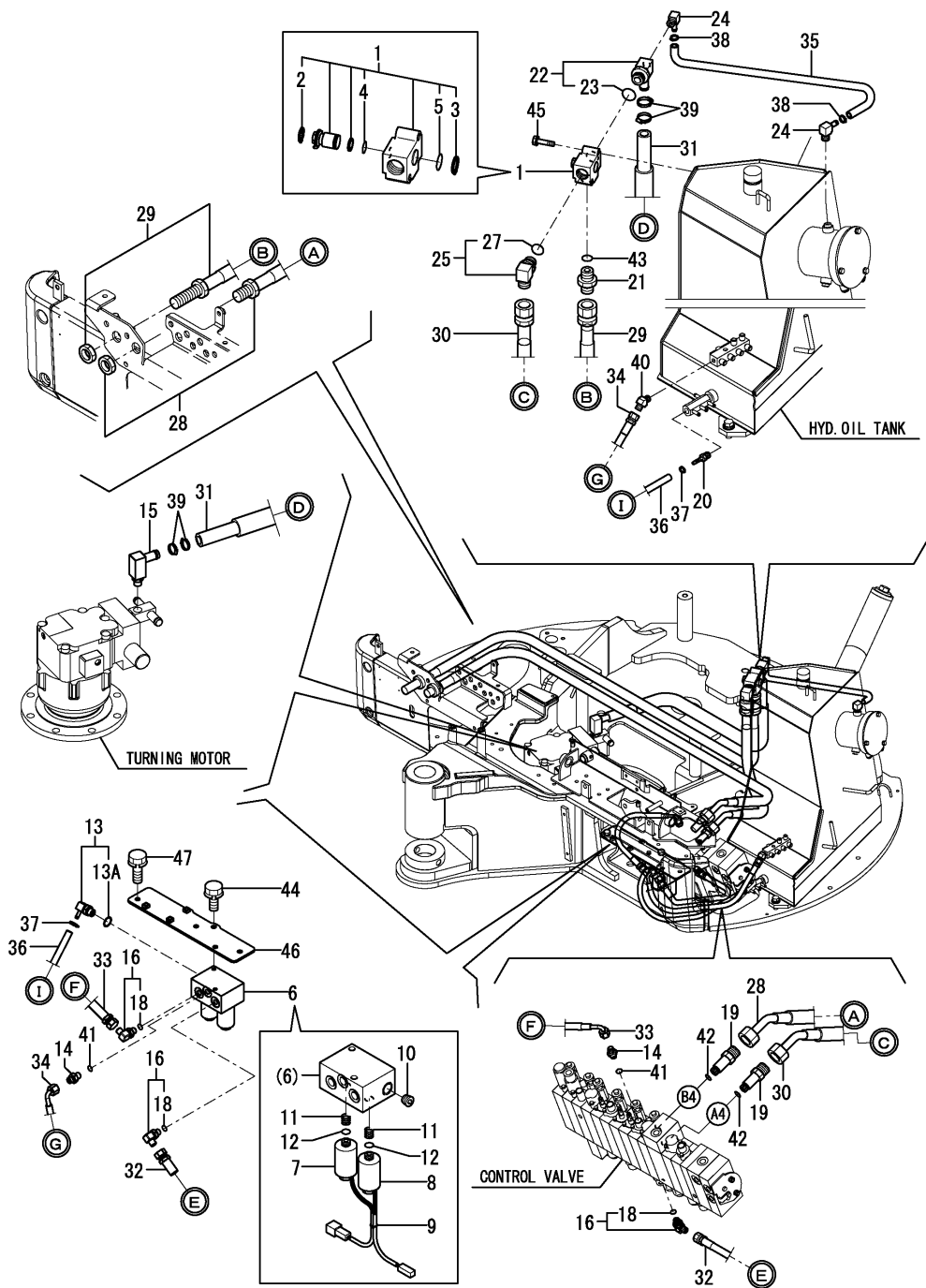
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-74120	VALVE ASSY,SELECOR	1	1	1	1				
1-1	1	172A47-74121	VALVE ASSY,SELECOR	1	1	1	1				N
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)									
2	2	22242-000210	RING, 21	1	1	1	1				
3	2	22242-000250	RING, 25	1	1	1	1				
4	2	24315-000210	O-RING, 1BP21.0	1	1	1	1				
5	2	24315-000250	O-RING, 1BP25.0	1	1	1	1				
6	1	172A47-74130	VALVE ASSY,SOL PTO	1	1	1	1				
7	2	172A47-74140	SOL SW36CU148	1	1	1	1				
8	2	172A47-74150	SOL SW36CU149	1	1	1	1				
9	2	172A47-74160	BAND,BIBDER	1	1	1	1				
10	2	172142-74670	PLUG, 3/8	1	1	1	1				
11	2	172449-74720	SPRING	2	2	2	2				
12	2	24315-000140	O-RING, 1BP14.0	3	3	3	3				
12-1	2	41851-000140	O RING P 14.0 HNBR	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
13	1	172A47-76120	NIPPLE, ELBOW	1	1	1	1				
13A	2	24315-000140	O-RING, 1BP14.0	1	1	1	1				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
14	1	172123-76121	ADAPTER	2	2	2	2				
15	1	172455-76160	ELBOW	1	1	1	1				
16	1	172141-76180	CONNECTOR ASSY	3	3	3	3				
16-1	1	172141-76181	CONNECTOR ASSY, 02FF	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
18	2	24315-000110	O-RING, 1BP11.0	3	3	3	3				
18-1	2	41851-000110	O-RING	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
19	1	172422-76191	CONNECTOR, PF3/8X3/4	2	2	2	2				
20	1	172141-76220	NIPPLE	1	1	1	1				
21	1	172142-76240	JOINT	1	1	1	1				
22	1	172A47-76250	NIPPLE, ELBOW	1	1	1	1				
23	2	24315-000240	O-RING, 1BP24.0	1	1	1	1				
23-1	2	41851-000240	PACKING, 24.0	1	1	1	1				N
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
24	1	172168-76370	ELBOW	2	2	2	2				
25	1	172165-76380	CONNECTOR ASSY	1	1	1	1				
27	2	24315-000240	O-RING, 1BP24.0	1	1	1	1				
28	1	172A47-78190	HOSE	1	1	1	1				
29	1	172A47-78240	HOSE	1	1	1	1				
30	1	172A47-78250	HOSE	1	1	1	1				
31	1	172A47-78420	HOSE	1	1	1	1				
32	1	172A47-78660	HOSE	1	1	1	1				
33	1	172A47-78670	HOSE	1	1	1	1				
34	1	172A47-78680	HOSE	1	1	1	1				
35	1	172A47-78700	HOSE	1	1	1	1				
36	1	172A47-78760	HOSE	1	1	1	1				
37	1	23000-013000	CLAMP, 13	2	2	2	2				
38	1	23001-016000	CLAMP, HOSE 16	2	2	2	2				
39	1	23001-025000	CLAMP, HOSE 25	4	4	4	4				
40	1	23394-020000	JOINT, 45RGI-1/4	1	1	1	1				
41	1	24315-000110	O-RING, 1BP11.0	2	2	2	2				

N:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{No} \end{matrix}$  New, Q:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{Yes} \end{matrix}$  New, R:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{Yes} \end{matrix}$  New, S:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{No} \end{matrix}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
 ++ CONTINUE ++  
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Fig.72. HYD.OIL PIPING(P.T.O. : FRAME END)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

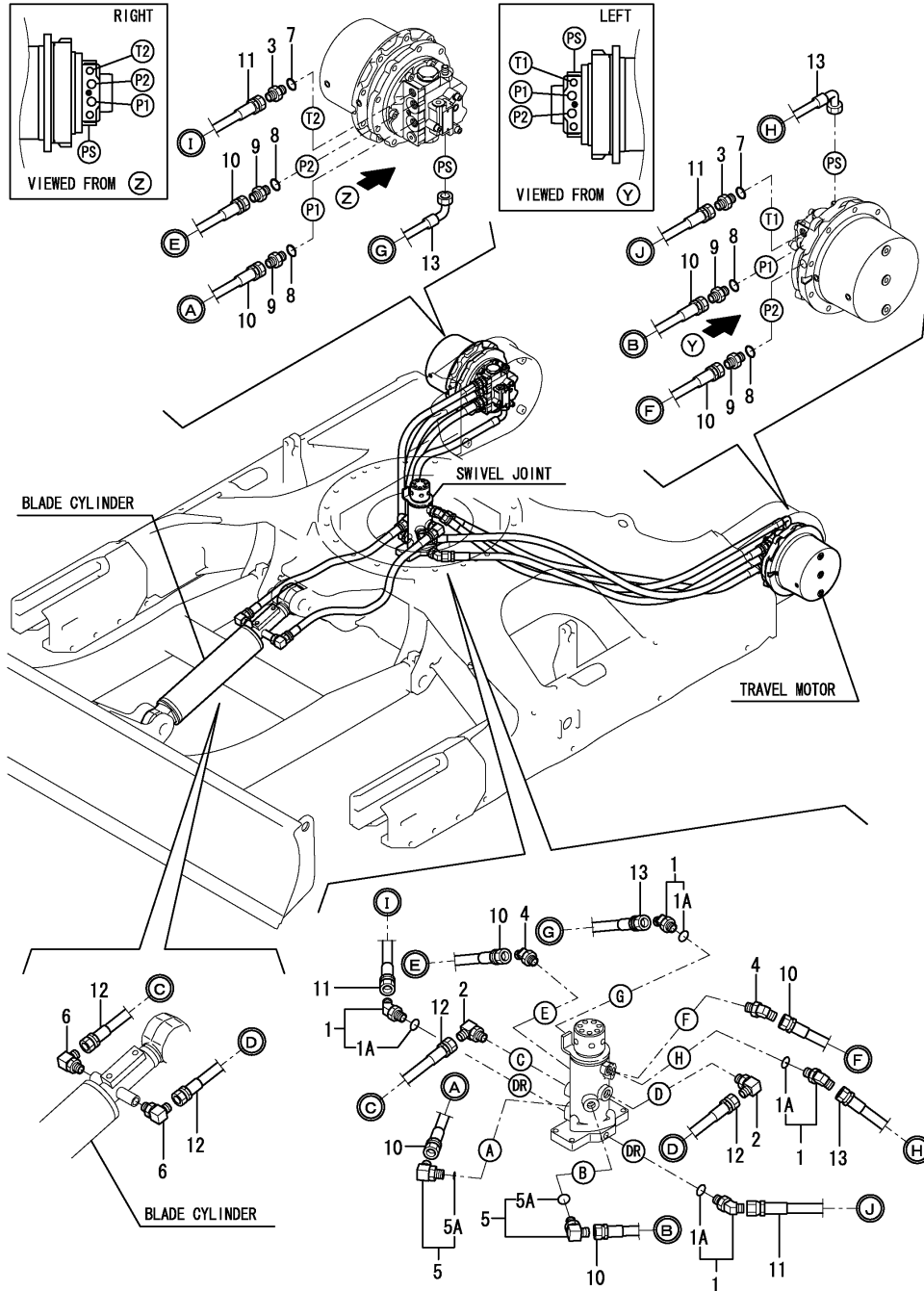


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
41-1	1	41851-000110 (A=M/#51056) (B=M/#51056) (C=M/#51056)	O-RING	2	2	2	2				N
42	1	24315-000140	O-RING, 1BP14.0	2	2	2					
42-1	1	41851-000140 (A=M/#51056) (B=M/#51056) (C=M/#51056)	O RING P 14.0 HNBR	2	2	2	2				N
43	1	24315-000240	O-RING, 1BP24.0	1	1	1					
43-1	1	41851-000240 (A=M/#51056) (B=M/#51056) (C=M/#51056)	PACKING, 24.0	1	1	1	1				N
44	1	26013-100202	BOLT, M10X 20	2	2	2	2				
45	1	26013-100502	BOLT, M10X 50	2	2	2	2				
46	1	172A47-71300	BRACKET ASSY	1	1	1	1				
47	1	26013-100252	BOLT, M10X 25	3	3	3	3				

Fig.73. HYD.OIL PIPING(TRAVEL)

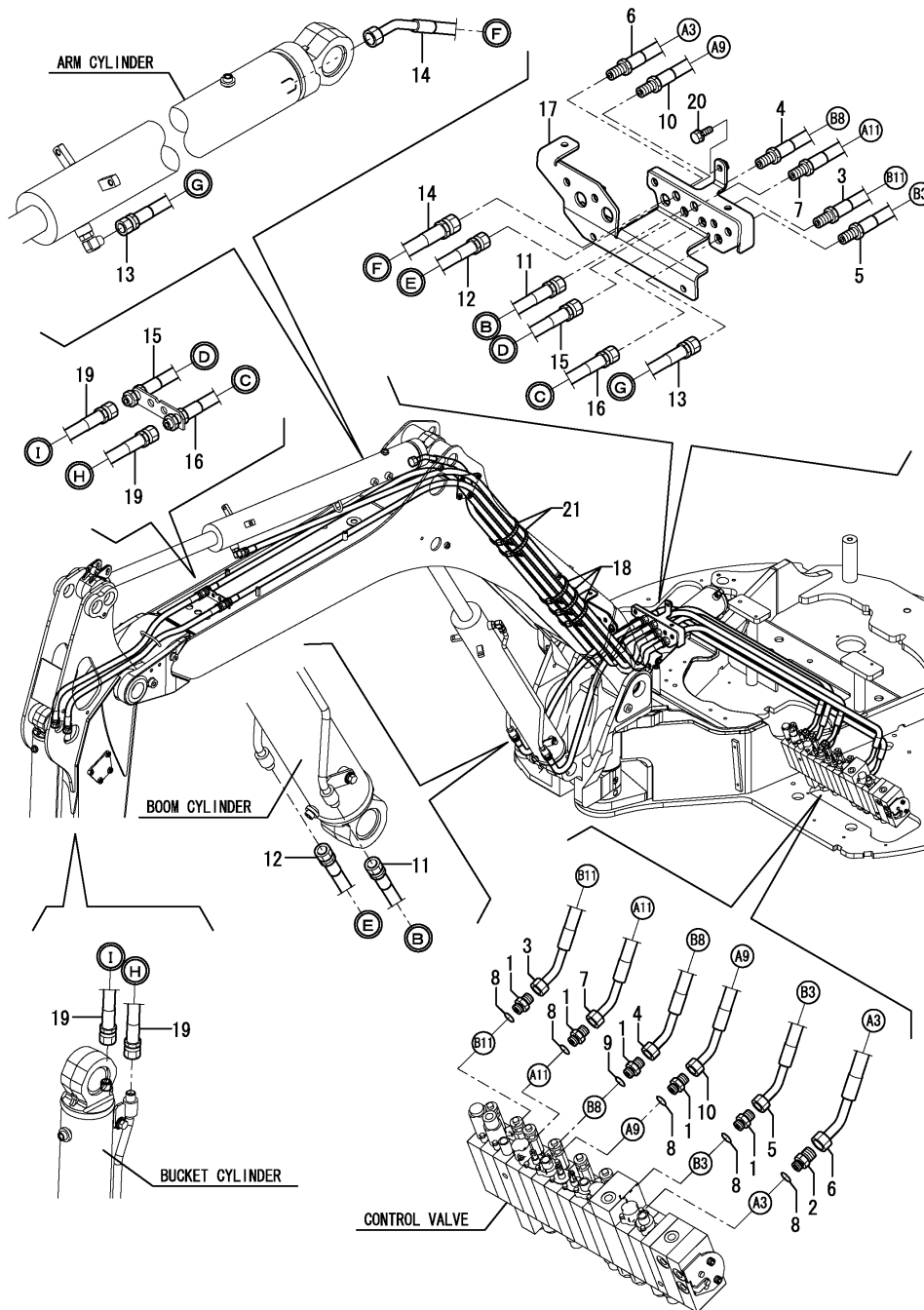
(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172173-76101	CONNECTOR ASSY	4	4	4					
1-1	1	172173-76102	CONNECTOR ASSY	4	4	4	4				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
1A	2	41851-000110	O-RING	4	4	4	4				W
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
2	1	172173-76121	CONNECTOR ASSY	2	2	2	2				
3	1	172124-76160	CONNECTOR	2	2	2	2				
4	1	172644-76161	ELBOW, ADJUST	2	2	2	2				
5	1	172142-76181	JOINT ASSY	2	2	2	2				
5A	2	24315-000140	O-RING, 1BP14.0	2	2	2	2				W
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
6	1	23393-030000	JOINT, 90RGI-3/8	2	2	2	2				
7	1	24315-000140	O-RING, 1BP14.0	2	2	2					
7-1	1	41851-000140	O RING P 14.0 HNBR	2	2	2	2				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
8	1	24315-000180	O-RING, 1BP18.0	4	4	4					
8-1	1	41851-000180	O RING	4	4	4	4				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
9	1	933160-01370	CONNECTOR,PF1/2PF3/8	4	4	4	4				
10	1	172460-78121	HOSE	4	4	4	4				
11	1	172A47-79330	HOSE	2	2	2	2				
12	1	172460-78540	HOSE	2	2	2	2				
13	1	172A47-79340	HOSE	2	2	2	2				

Fig.74. HYD.OIL PIPING(BOOM)



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

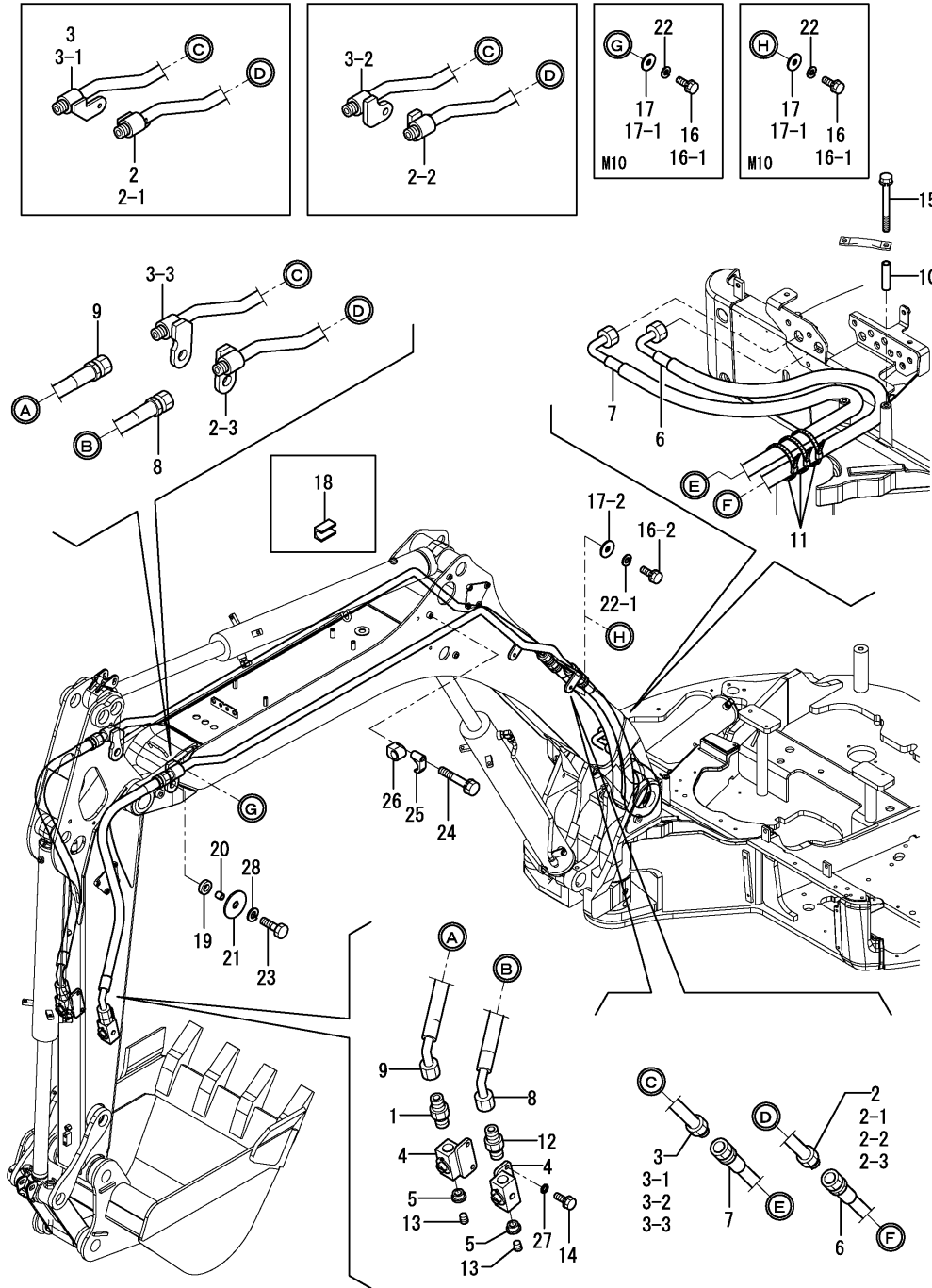
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	5	5	5	5				
2	1	172168-76162	CONNECTOR, PF1/2X3/8	1	1	1	1				
3	1	172A47-78130	HOSE	1	1	1	1				
4	1	172A47-78140	HOSE	1	1	1	1				
5	1	172A47-78150	HOSE	1	1	1	1				
6	1	172A47-78160	HOSE	1	1	1	1				
7	1	172A47-78960	HOSE	1	1	1	1				
8	1	24315-000140	O-RING, 1BP14.0	5	5	5					
8-1	1	41851-000140	O RING P 14.0 HNBR	5	5	5	5			N	
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
9	1	24315-000140	O-RING, 1BP14.0	1	1	1					
9-1	1	41851-000140	O RING P 14.0 HNBR	1	1	1	1			N	
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
10	1	172A47-78970	HOSE	1	1	1	1				
11	1	172A47-78810	HOSE	1	1	1					
11-1	1	172A47-78811	HOSE	1	1	1	1			N	
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
12	1	172A47-78800	HOSE	1	1	1					
12-1	1	172A47-78801	HOSE	1	1	1	1			N	
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
13	1	172A47-78830	HOSE	1	1	1					
13-1	1	172A47-78831	HOSE	1	1	1	1			N	
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
14	1	172A47-78820	HOSE	1	1	1	1				
15	1	172A47-78840	HOSE	1	1	1	1				
16	1	172A47-78850	HOSE	1	1	1	1				
17	1	172A47-79200	COVER ASSY, HOSE	1	1	1	1				
18	1	172122-79890	CLAMP, HOSE	3	3	3	3				
19	1	172A47-78860	HOSE	2	2	2	2				
20	1	26013-100252	BOLT, M10X 25	2	2	2	2				
21	1	172122-79890	CLAMP, HOSE	2	2	2					
21-1	1	172183-16560	CLIP, HOSE	2	2	2	2			N	
		(A=M/#50540) (B=M/#50540) (C=M/#50540)									



Fig.75. HYD.OIL PIPING(P.T.O. : ARM END)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



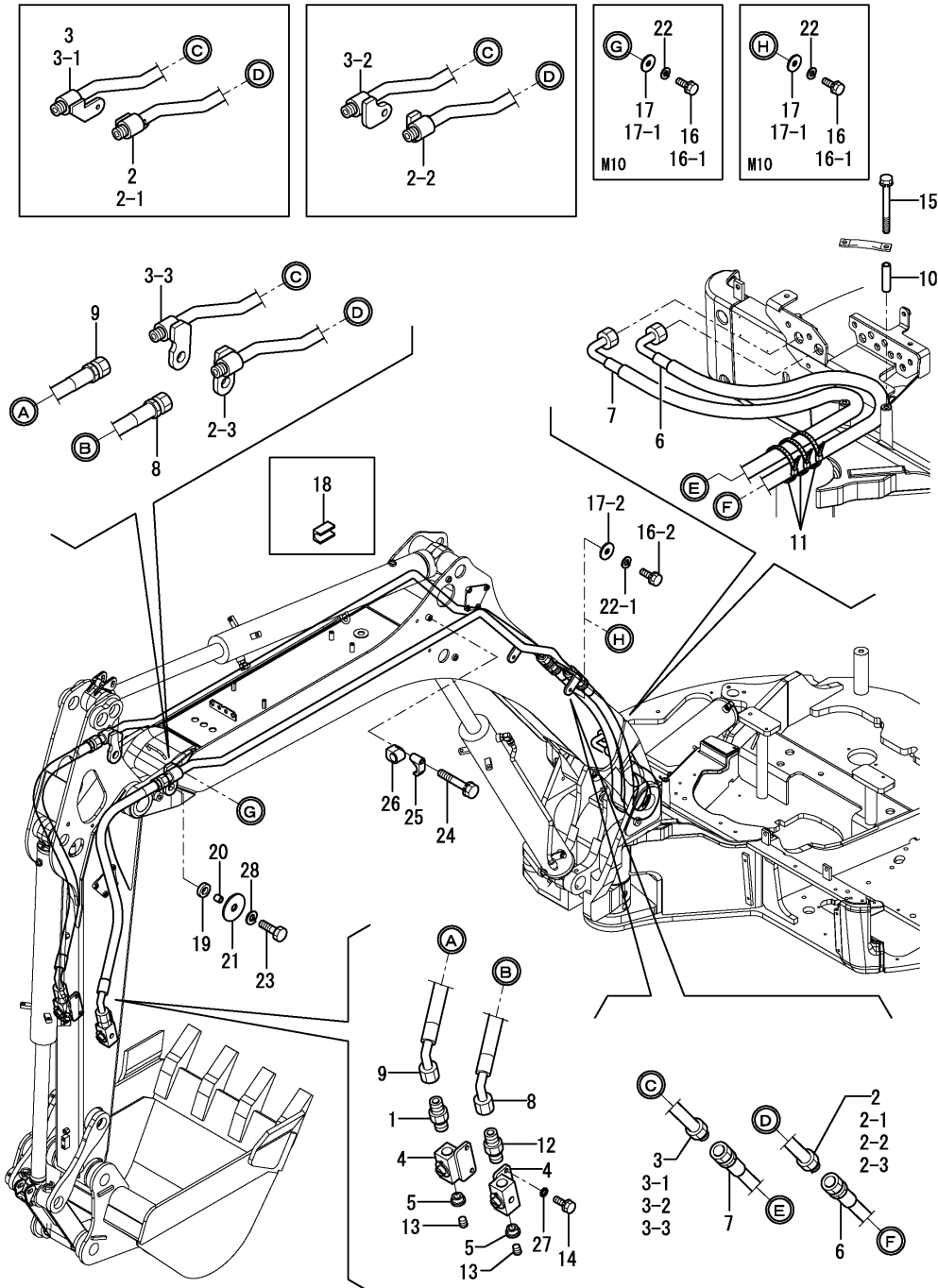
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-76131	CONNECTOR, PF3/4	1	1	1	1				
2	1	172A47-76400-1	TUBE ASSY, PTO	1	1	1					
2-1	1	172A47-76401-1	TUBE ASSY, PTO	1	1	1					N
2-2	1	172A47-76403-1	TUBE ASSY, PTO	1	1	1					S
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
2-3	1	172A47-76404-1	TUBE ASSY, PTO	1	1	1					S
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
2-4	1	172A47-76405-1	TUBE ASSY, PTO	1	1	1					N
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
2-5	1	172A47-76406-1	TUBE ASSY, PTO	1	1	1	1				N
		(A=M/#50790) (B=M/#50790) (C=M/#50790)									
2-6	1	172A47-76406-2	TUBE ASSY, PTO	1	1	1	1				S
		(A=M50922) (B=M50922) (C=M50922) (D=M50922)									
3	1	172A47-76420-1	TUBE ASSY, PTO	1	1	1					
3-1	1	172A47-76421-1	TUBE ASSY, PTO	1	1	1					N
		(A=M/#50523) (B=M/#50523) (C=M/#50523)									
3-2	1	172A47-76423-1	TUBE ASSY, PTO	1	1	1					S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
3-3	1	172A47-76424-1	TUBE ASSY, PTO	1	1	1					S
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
3-4	1	172A47-76425-1	TUBE ASSY, PTO	1	1	1					N
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
3-5	1	172A47-76426-1	TUBE ASSY, PTO	1	1	1	1				N
		(A=M/#50790) (B=M/#50790) (C=M/#50790)									
3-6	1	172A47-76426-2	TUBE ASSY, PTO	1	1	1	1				S
		(A=M50922) (B=M50922) (C=M50922) (D=M50922)									
4	1	172176-76580-2	VALVE, STOP	2	2	2					
4-1	1	172176-76581-2	VALVE, STOP	2	2	2					R
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
4-2	1	172176-76581-5	VALVE, STOP	2	2	2	2				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
4-3	1	172176-76582-2	VALVE 12 ASSY,STOP	2	2	2	2				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
5	1	172164-76650	BUSH	2	2	2	2				
6	1	172A47-78260	HOSE	1	1	1	1				
7	1	172A47-78270	HOSE	1	1	1	1				
8	1	172A47-78280	HOSE	1	1	1	1				
9	1	172A47-78290	HOSE	1	1	1	1				
10	1	172A47-79160	COLLAR, PTO	2	2	2	2				
11	1	172122-79890	CLAMP, HOSE	3	3	3	3				
12	1	23391-060000	JOINT, RGI-3/4	1	1	1	1				
13	1	23871-040000	PLUG, R04	2	2	2	2				
14	1	26013-100252	BOLT, M10X 25	4	4	4	4				
15	1	26013-101002	BOLT, M10X100	2	2	2	2				
16	1	26013-100252	BOLT, M10X 25	4	4	4					
16-1	1	26076-100302	BOLT, 10.910X 30	4	4	4					N
		(A=M/#50543) (B=M/#50543) (C=M/#50543)									
16-2	1	26076-120302	BOLT, 10.912X 30	2	2	2	2				S
		(A=M/#50554) (B=M/#50554) (C=M/#50554)									
17	1	22157-100000	WASHER, 10	4	4	4					

N:Old  $\xrightarrow{\text{Yes}}$  New, Q:Old  $\xrightarrow{\text{No}}$  New, R:Old  $\xrightarrow{\text{Yes}}$  New, S:Old  $\xrightarrow{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
 ++ CONTINUE ++  
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Fig.75. HYD.OIL PIPING(P.T.O. : ARM END)

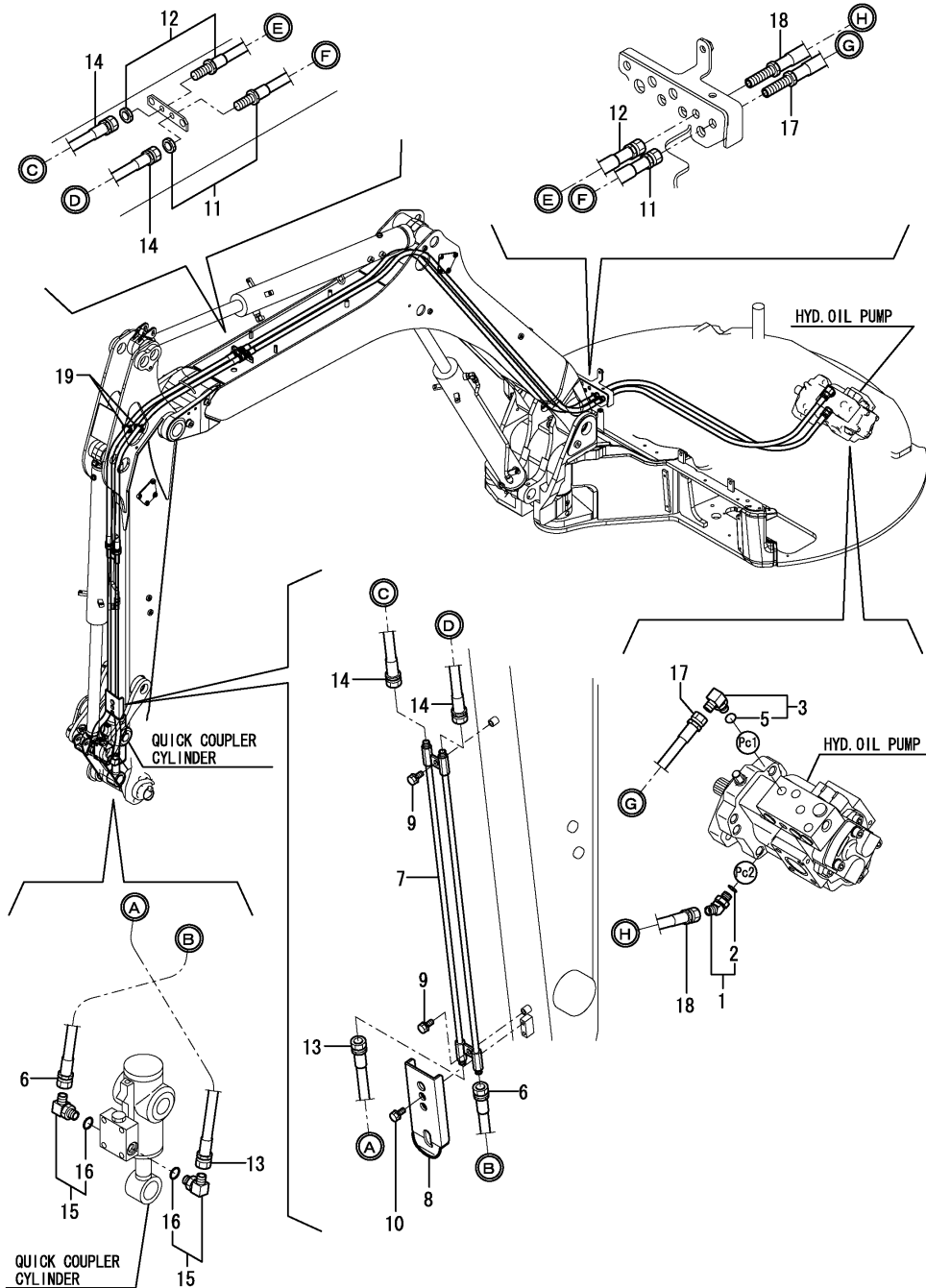
(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
17-1	1	172458-61261 (A=M/#50543) (B=M/#50543) (C=M/#50543)	WASHER	4	4	4					N
17-2	1	172147-13150 (A=M/#50554) (B=M/#50554) (C=M/#50554)	WASHER 32X 12.5	2	2	2	2				S
17-3	1	172147-13151 (A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)	WASHER, 32X12.5	2	2	2	2				N
18	1	172A48-76470	CLAMP, RUBBER	2	2	2					
18-1	1	172A48-76471 (A=M/#50523) (B=M/#50523) (C=M/#50523)	CLAMP, RUBBER	2	2	2	2				R
18-2	1	172A48-76471 (A=M/#50572) (B=M/#50572) (C=M/#50572)	CLAMP, RUBBER	2	2	2					Z
19	1	172A52-14200 (A=M/#50572) (B=M/#50572) (C=M/#50572)	PATT	2	2	2	2				W
20	1	172A47-76460 (A=M/#50572) (B=M/#50572) (C=M/#50572)	COLLAR	2	2	2	2				W
21	1	172444-82990 (A=M/#50572) (B=M/#50572) (C=M/#50572)	WASHER	2	2	2	2				W
21-1	1	172146-82910 (A=M50708) (B=M50708) (C=M50708) (D=M50708)	SPACER	2	2	2	2				N
22	1	22217-100000 (A=M/#50543) (B=M/#50543) (C=M/#50543)	WASHER, SPRING 10	4	4	4					W
22-1	1	22217-120000 (A=M/#50554) (B=M/#50554) (C=M/#50554)	WASHER, SPRING 12	2	2	2	2				S
23	1	26076-120402 (A=M/#50572) (B=M/#50572) (C=M/#50572)	BOLT, 10.912X 40	2	2	2	2				W
24	1	26013-120652 (A=M/#50572) (B=M/#50572) (C=M/#50572)	BOLT, M12X 65	2	2	2	2				W
25	1	172151-76990-1 (A=M/#50572) (B=M/#50572) (C=M/#50572)	CLAMP	2	2	2	2				W
25-1	1	172151-76990-2 (A=M50922) (B=M50922) (C=M50922) (D=M50922)	CLAMP	2	2	2	2				S
26	1	172A47-76450 (A=M/#50572) (B=M/#50572) (C=M/#50572)	CLAMP, PTO	2	2	2	2				W
27	1	22137-100000 (A=M/#50543) (B=M/#50543) (C=M/#50543)	WASHER, 10	4	4	4	4				W
28	1	22217-120000 (A=M/#50572) (B=M/#50572) (C=M/#50572)	WASHER, SPRING 12	2	2	2	2				W

Fig.76. HYD.OIL PIPING(QUICK COUPLER SPEC.)



(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

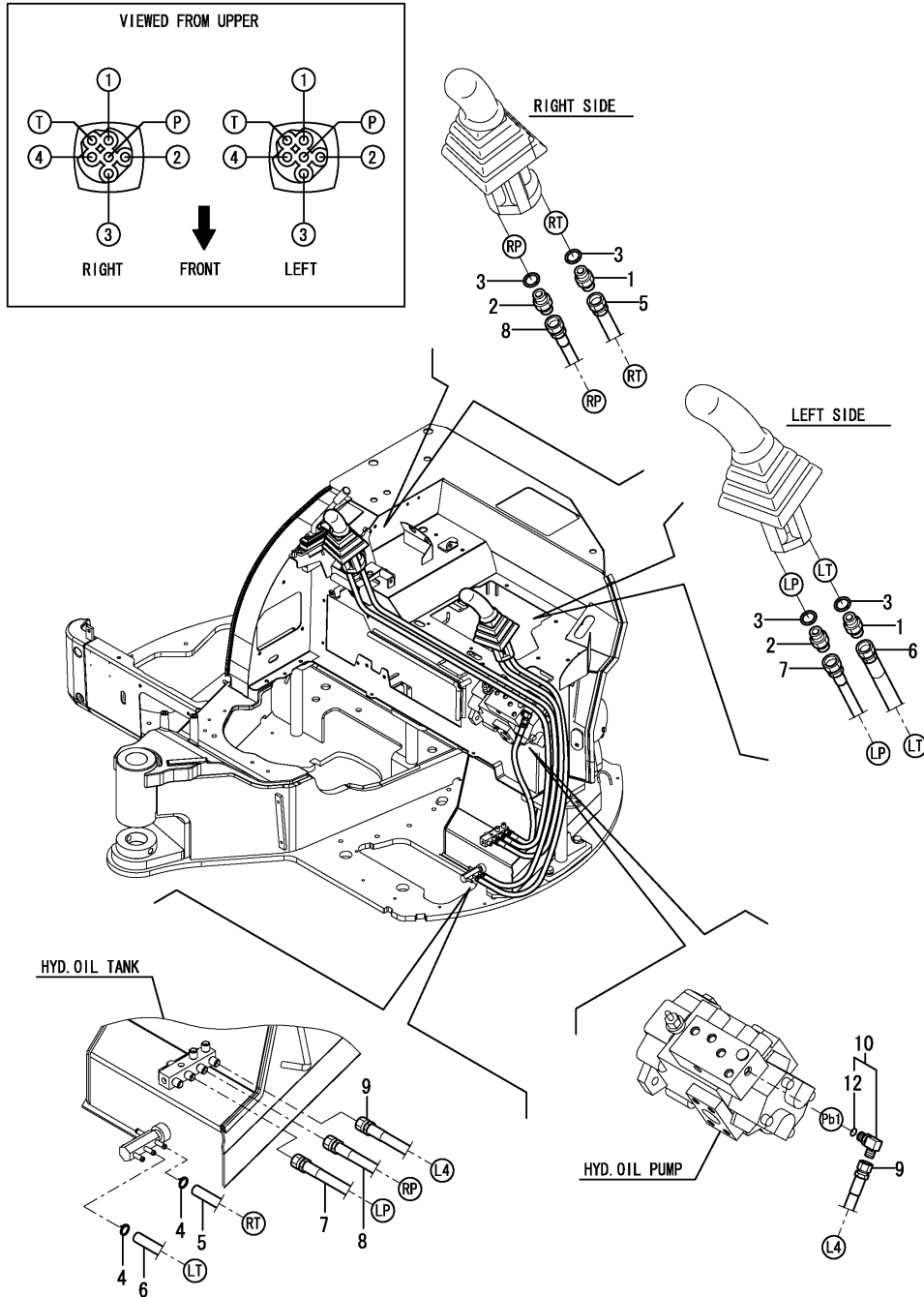
(D)=VIO45-5(SG)  
 (E)=  
 (F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172173-76101	CONNECTOR ASSY	1	1	1					
1-1	1	172173-76102	CONNECTOR ASSY	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
2	2	24315-000110	O-RING, 1BP11.0	1	1	1					
2-1	2	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
3	1	172141-76180	CONNECTOR ASSY	1	1	1					
3-1	1	172141-76181	CONNECTOR ASSY, 02FF	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	2	24315-000110	O-RING, 1BP11.0	1	1	1					
5-1	2	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
6	1	172958-78160	HOSE	1	1	1	1				
7	1	172960-76100-1	TUBE, HITCH	1	1	1					
7-1	1	172960-76100-2	TUBE, HITCH	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
8	1	172960-81952-1	COVER ASSY	1	1	1					
8-1	1	172960-81952-2	COVER ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
8-2	1	172960-81953-2	COVER ASSY	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
9	1	26013-100202	BOLT, M10X 20	2	2	2	2				
10	1	26013-080162	BOLT, M8X 16	2	2	2	2				
11	1	172A47-78410	HOSE	1	1	1					
11-1	1	172A47-78411	HOSE	1	1	1	1				N
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
12	1	172A47-79300	HOSE	1	1	1					
12-1	1	172A47-79301	HOSE	1	1	1	1				N
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
13	1	172958-78120	HOSE	1	1	1	1				
14	1	172A47-79310	HOSE	2	2	2	2				
15	1	172958-76130	ELBOW	2	2	2	2				
16	2	24315-000110	O-RING, 1BP11.0	2	2	2	2				
17	1	172A47-78400	HOSE	1	1	1	1				
18	1	172A47-78690	HOSE	1	1	1	1				
19	1	172122-79930	CLAMP, HOSE	2	2	2	2				

Fig.77. CONTROL PIPING(PUMP - VALVE - RETURN)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

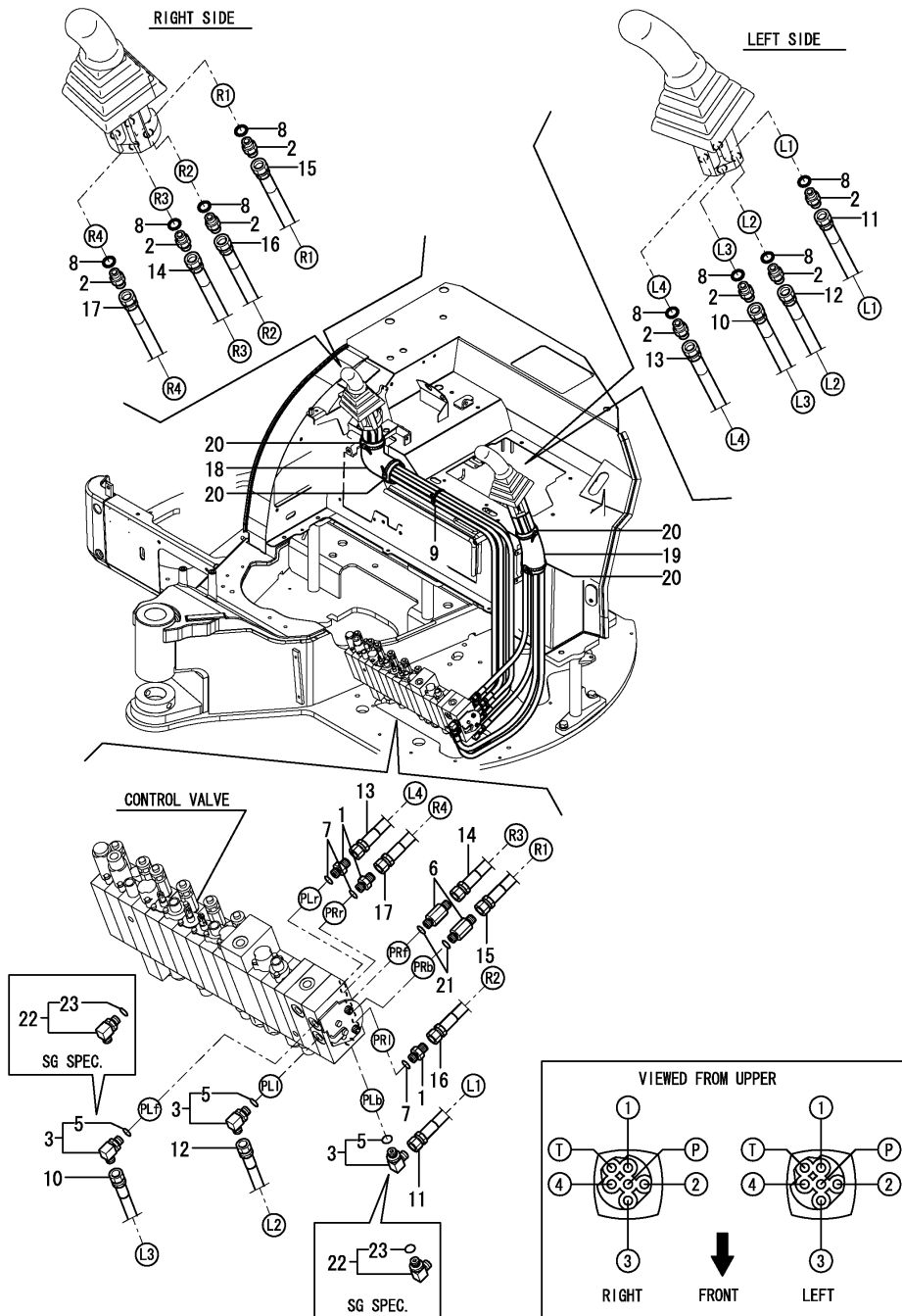


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	2	2	2	2				
2	1	172455-76220	CONNECTOR	2	2	2	2				
3	1	24315-000110	O-RING, 1BP11.0	4	4	4					
3-1	1	41851-000110 (A=M/#51056) (B=M/#51056) (C=M/#51056)	O-RING	4	4	4	4				N
4	1	23000-013000	CLAMP, 13	2	2	2	2				
5	1	172A47-78650	HOSE	1	1	1					
5-1	1	172A47-78651 (A=M/#50679) (B=M/#50679) (C=M/#50679)	HOSE	1	1	1					R
5-2	1	172A47-78652 (A=M/#50708) (B=M/#50708) (C=M/#50708)	HOSE	1	1	1	1				N
6	1	172A47-78640	HOSE	1	1	1					
6-1	1	172A47-78641 (A=M/#50679) (B=M/#50679) (C=M/#50679)	HOSE	1	1	1					R
6-2	1	172A47-78642 (A=M/#50708) (B=M/#50708) (C=M/#50708)	HOSE	1	1	1	1				N
7	1	172A47-78550	HOSE	1	1	1					
7-1	1	172A47-78551 (A=M/#50679) (B=M/#50679) (C=M/#50679)	HOSE	1	1	1					R
7-2	1	172A47-78552 (A=M/#50708) (B=M/#50708) (C=M/#50708)	HOSE	1	1	1					N
7-3	1	172A47-78553 (A=M/#51056) (B=M/#51056) (C=M/#51056)	HOSE	1	1	1	1				N
8	1	172A47-78560	HOSE	1	1	1					
8-1	1	172A47-78561 (A=M/#50708) (B=M/#50708) (C=M/#50708)	HOSE	1	1	1	1				N
9	1	172A47-78570	HOSE	1	1	1	1				
10	1	172141-76180	CONNECTOR ASSY	1	1	1					
10-1	1	172141-76181 (A=M/#51056) (B=M/#51056) (C=M/#51056)	CONNECTOR ASSY, 02FF	1	1	1	1				N
12	2	24315-000110	O-RING, 1BP11.0	1	1	1					
12-1	2	41851-000110 (A=M/#51056) (B=M/#51056) (C=M/#51056)	O-RING	1	1	1	1				N

Fig.78. CONTROL PIPING(VALVE - REMOTE CONTROL VALVE)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



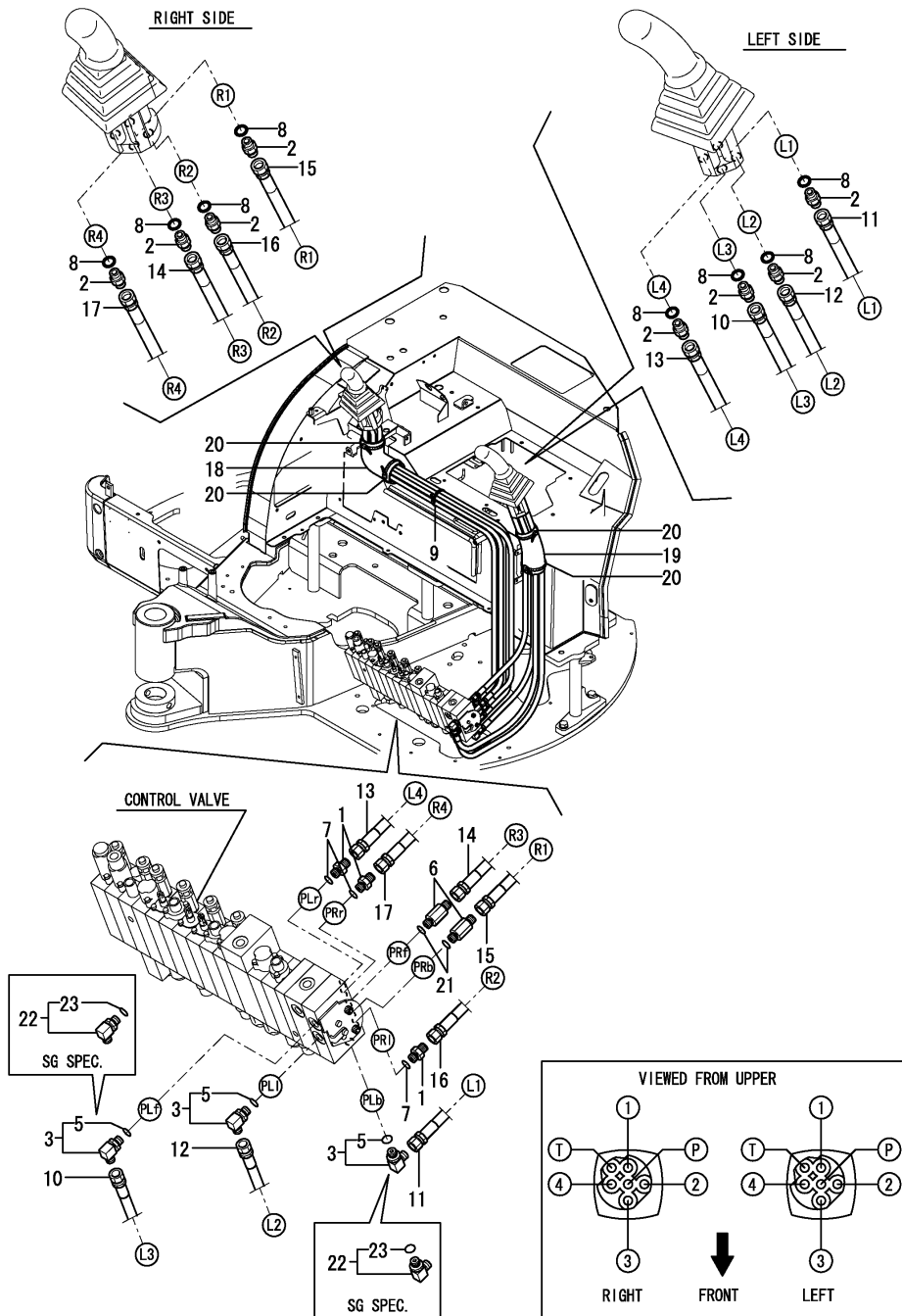
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	3	3	3	3				
2	1	172123-76121	ADAPTER	8	8	8	8				
3	1	172141-76180	CONNECTOR ASSY	3	3	3					
3-1	1	172141-76181	CONNECTOR ASSY, O2FF	3	3	3	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	2	24315-000110	O-RING, 1BP11.0	3	3	3					
5-1	2	41851-000110	O-RING	3	3	3	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
6	1	172183-76200	CONNECTOR	2	2	2	2				
7	1	24315-000110	O-RING, 1BP11.0	3	3	3	3				
7-1	1	41851-000110	O-RING	3	3	3	3				N
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
8	1	24315-000110	O-RING, 1BP11.0	8	8	8	8				
8-1	1	41851-000110	O-RING	8	8	8	8				N
		(A=M51056) (B=M51056) (C=M51056) (D=M51056)									
9	1	172122-79930	CLAMP, HOSE	1	1	1	1				
10	1	172A47-78520	HOSE	1	1	1					
10-1	1	172A47-78521	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
10-2	1	172A47-78522	HOSE	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
11	1	172A47-78510	HOSE	1	1	1					
11-1	1	172A47-78511	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
11-2	1	172A47-78512	HOSE	1	1	1					N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
11-3	1	172A47-78513	HOSE	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
12	1	172A47-78530	HOSE	1	1	1					
12-1	1	172A47-78531	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
12-2	1	172A47-78532	HOSE	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
13	1	172A47-78500	HOSE	1	1	1					
13-1	1	172A47-78501	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
13-2	1	172A47-78502	HOSE	1	1	1					N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
13-3	1	172A47-78503	HOSE	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
14	1	172A47-78880	HOSE	1	1	1					
14-1	1	172A47-78881	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
14-2	1	172A47-78882	HOSE	1	1	1	1				N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
15	1	172A47-78540	HOSE	1	1	1					
15-1	1	172A47-78541	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
15-2	1	172A47-78542	HOSE	1	1	1	1				N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
16	1	172A47-78630	HOSE	1	1	1					

N:Old  $\xrightarrow{Yes}$  New, Q:Old  $\xrightarrow{No}$  New, R:Old  $\xrightarrow{Yes}$  New, S:Old  $\xrightarrow{No}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
 ++ CONTINUE ++  
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Fig.78. CONTROL PIPING(VALVE - REMOTE CONTROL VALVE)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

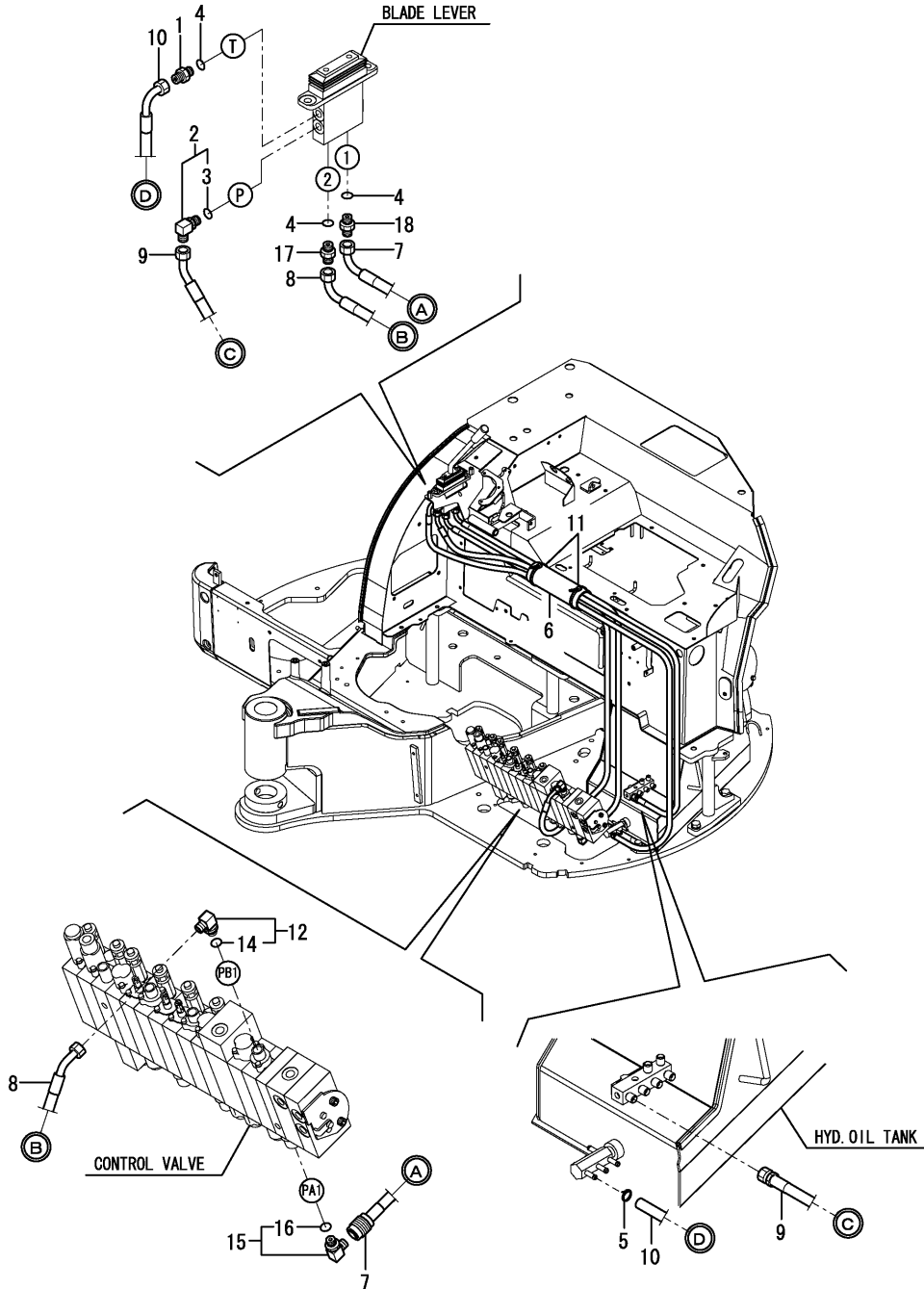


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
16-1	1	172A47-78631 (A=M/#50679) (B=M/#50679) (C=M/#50679)	HOSE	1	1	1					R
16-2	1	172A47-78632 (A=M/#50708) (B=M/#50708) (C=M/#50708)	HOSE	1	1	1	1				N
17	1	172A47-78890 (A=M/#50679) (B=M/#50679) (C=M/#50679)	HOSE	1	1	1					R
17-1	1	172A47-78891 (A=M/#50708) (B=M/#50708) (C=M/#50708)	HOSE	1	1	1					R
17-2	1	172A47-78892 (A=M/#50679) (B=M/#50679) (C=M/#50679)	HOSE	1	1	1	1				N
18	1	172458-78570 (A=M/#50646) (B=M/#50646) (C=M/#50646)	SPONGE, HOSE	1	1	1					N
18-1	1	172458-63640 (A=M/#50876) (B=M/#50876) (C=M/#50876)	SPONGE, HOSE	1	1	1					N
18-2	1	172458-63641 (A=M/#50876) (B=M/#50876) (C=M/#50876)	SPONGE, HOSE	1	1	1	1				N
19	1	172444-78800 (A=M/#50876) (B=M/#50876) (C=M/#50876)	SPONGE, HOSE	1	1	1					N
19-1	1	172458-78571 (A=M/#50876) (B=M/#50876) (C=M/#50876)	SPONGE, HOSE	1	1	1	1				N
20	1	172122-79930	CLAMP, HOSE	4	4	4	4				
21	1	24315-000110	O-RING, 1BP11.0	2	2	2	2				
21-1	1	41851-000110 (A=M51056) (B=M51056) (C=M51056) (D=M51056)	O-RING	2	2	2	2				N
22	1	172A47-76180	ELBOW							2	
23	2	24315-000110	O-RING, 1BP11.0							2	
23-1	2	41851-000110 (D=M51056)	O-RING							2	N

Fig.79. CONTROL PIPING(VALVE - BLADE VALVE)

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	1	1	1					
2	1	172958-76130	ELBOW	1	1	1	1				
3	2	24315-000110	O-RING, 1BP11.0	1	1	1	1				
4	1	24315-000110	O-RING, 1BP11.0	3	3	3					
4-1	1	41851-000110	O-RING	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	1	23000-013000	CLAMP, 13	1	1	1	1				
6	1	172458-78570	SPONGE, HOSE	1	1	1					
6-1	1	172458-78571	SPONGE, HOSE	1	1	1	1				N
		(A=M/#50876) (B=M/#50876) (C=M/#50876)									
7	1	172A47-78920	HOSE	1	1	1					
7-1	1	172A47-78921	HOSE	1	1	1	1				N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
8	1	172A47-78930	HOSE	1	1	1					
8-1	1	172A47-78931	HOSE	1	1	1	1				R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
9	1	172A47-78940	HOSE	1	1	1					
9-1	1	172A47-78941	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
9-2	1	172A47-78942	HOSE	1	1	1	1				N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
10	1	172A47-78950	HOSE	1	1	1					
10-1	1	172A47-78951	HOSE	1	1	1					R
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
10-2	1	172A47-78952	HOSE	1	1	1	1				N
		(A=M/#50708) (B=M/#50708) (C=M/#50708)									
11	1	172122-79930	CLAMP, HOSE	2	2	2	2				
12	1	172141-76180	CONNECTOR ASSY	1	1	1					
12-1	1	172141-76181	CONNECTOR ASSY, 02FF	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
14	2	24315-000110	O-RING, 1BP11.0	1	1	1					
14-1	2	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
15	1	172A47-76260	ELBOW, COUPLER	1	1	1					
15-1	1	172A47-76261	ELBOW, COUPLER	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
16	2	24315-000110	O-RING, 1BP11.0	1	1	1					
16-1	2	41851-000110	O-RING	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
17	1	172123-76121	ADAPTER	1	1	1					
17-1	1	172A47-76171	CONNECTOR, G1/4X0.6	1	1	1	1				N
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									
18	1	172123-76121	ADAPTER	1	1	1					
18-1	1	172164-76330	JOINT, PF1/4-0.7	1	1	1	1				N
		(A=M/#50779) (B=M/#50779) (C=M/#50779)									

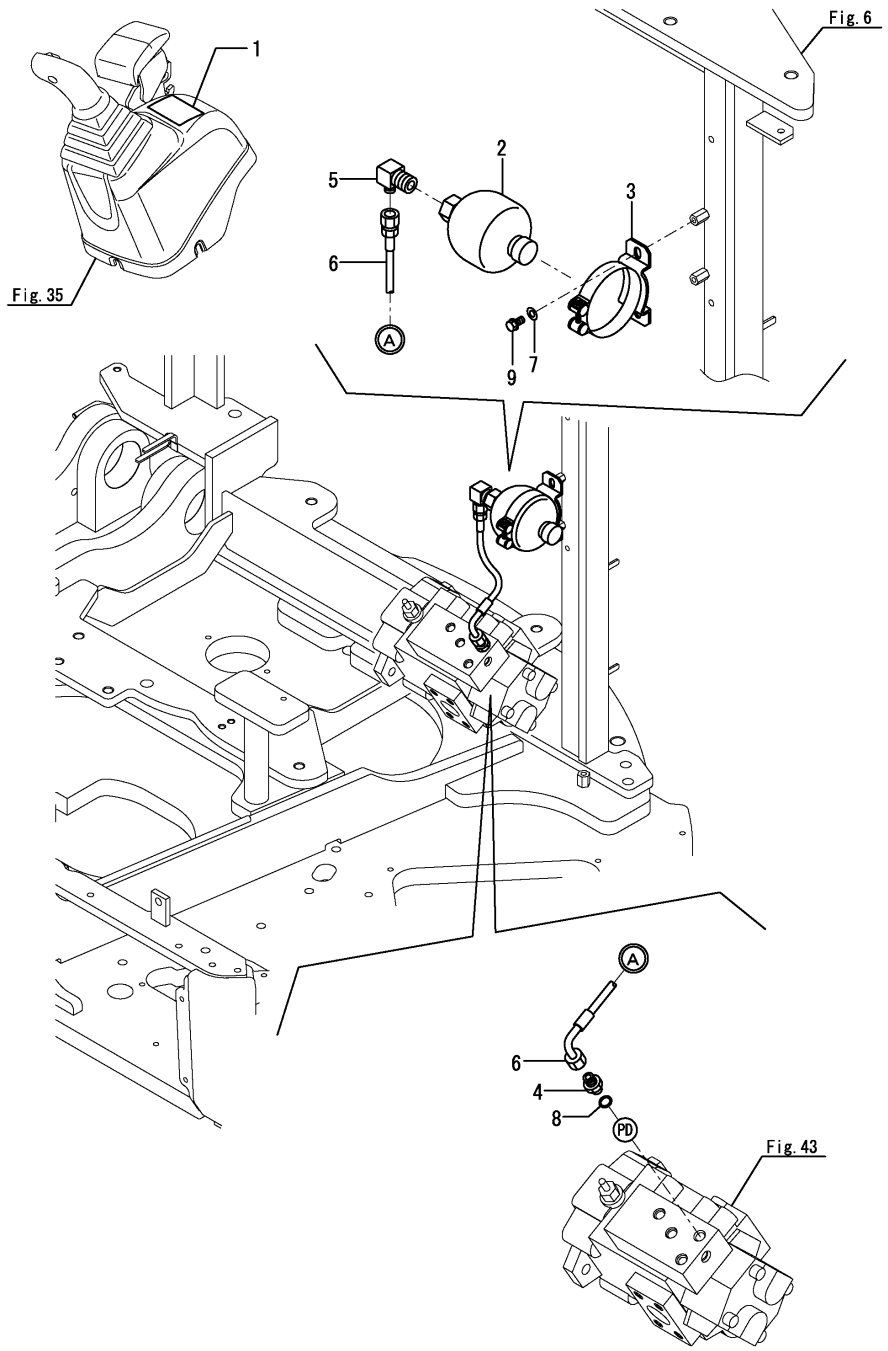




Fig.81. ACCUMULATOR

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

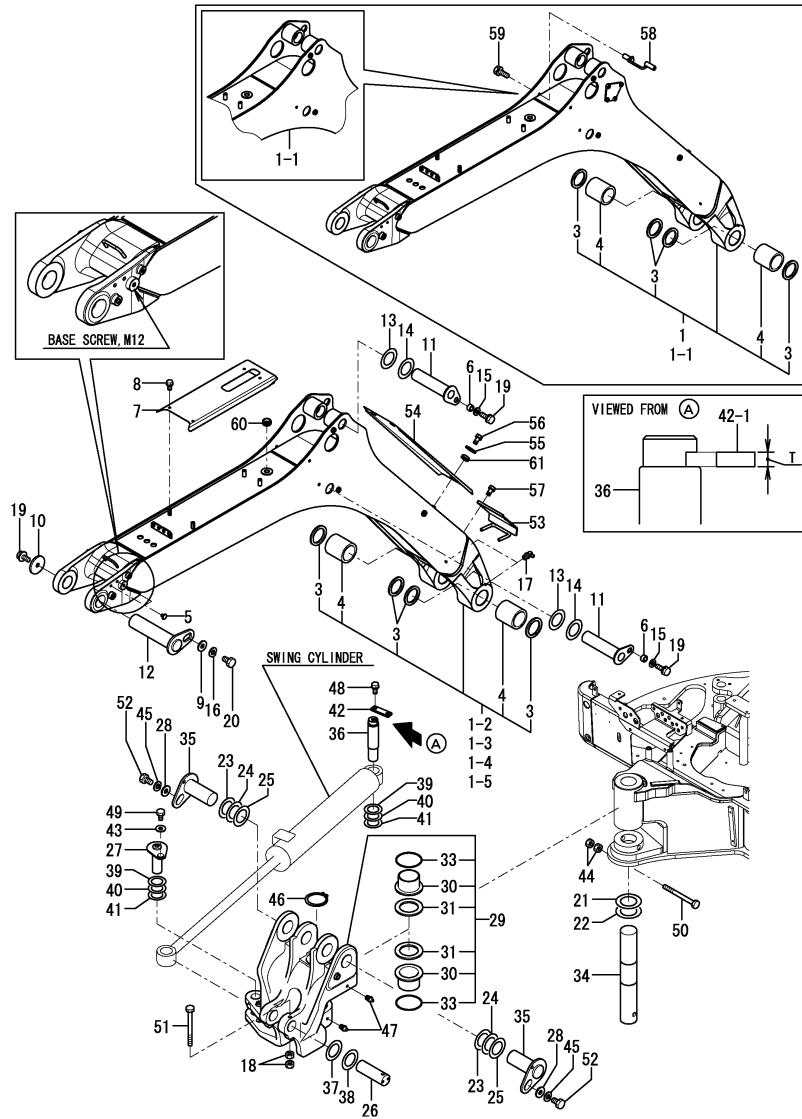


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-03371	LABEL,PTO EX	1	1	1	1				
2	1	172478-73600	ACCUMULATOR	1	1	1	1				
3	1	172478-73630	CLAMP	1	1	1	1				
4	1	172123-76121	ADAPTER	1	1	1	1				
5	1	172478-76200	CONNECTOR	1	1	1	1				
6	1	172460-78790	HOSE	1	1	1	1				
7	1	22137-080000	WASHER, 8	2	2	2	2				
8	1	41851-000110	O-RING	1	1	1	1				
9	1	26013-080162	BOLT, M8X 16	2	2	2	2				

Fig.82. BOOM & BOOM BRACKET

(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

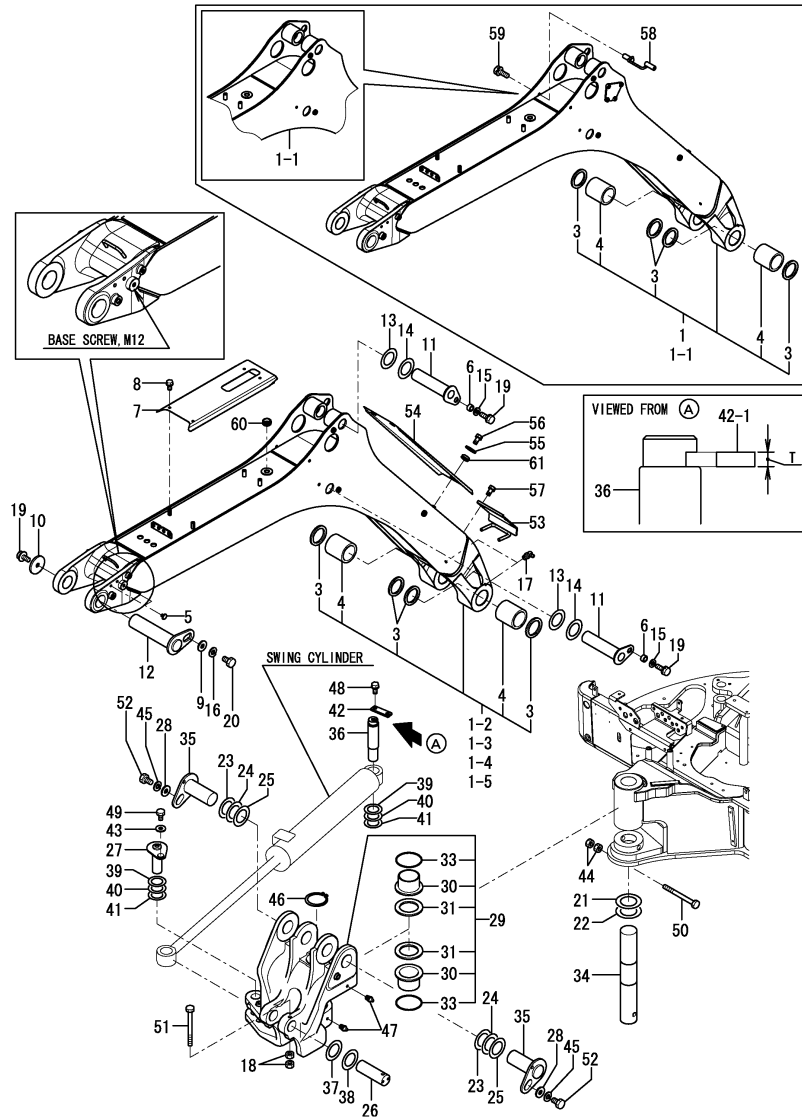
(D)=VIO45-5(SG)  
(E)=  
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-81101	BOOM ASSY	1	1	1					1
1-1	1	172A47-81080	BOOM ASSY	1	1	1					S 1
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
1-2	1	172A47-81081	BOOM ASSY	1	1	1					S 1
		(A=M/#50572) (B=M/#50572) (C=M/#50572)									
1-3	1	172A47-81082	BOOM ASSY	1	1	1					N 1
		(A=M/#50592) (B=M/#50592) (C=M/#50592)									
1-4	1	172A47-81083	BOOM ASSY	1	1	1					R 1
		(A=M/#50835) (B=M/#50835) (C=M/#50835)									
1-5	1	172A47-81083-1	BOOM ASSY	1	1	1	1				S 1
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
3	2	172020-10620	SEAL, DUST	4	4	4	4				
4	2	172A47-81970	BUSH	2	2	2					
4-1	2	172A47-81971	BUSH	2	2	2	2				N
		(A=M/#50679) (B=M/#50679) (C=M/#50679)									
4A	1	172437-03432	LABEL, STEERING	1	1	1	1				2
4B	1	172437-03461	LABEL, BOOM	2	2	2	2				2
4C	1	172472-03271	LABEL, SANDUS	1	1	1	1				2
4D	1	172472-03281	LABEL, WARNING HITCH	1	1	1	1				2
4E	1	172A47-03110	LABEL, BOOM	1	1	1	1				2
4F	1	172437-03511	LABEL, HOOK	1	1	1	1				2
5	1	172183-81160	CLIP, TREE	2	2	2	2				
6	1	172164-81670	SPACER	2	2	2	2				
7	1	172A47-81820	COVER, BOOM	1	1	1					
7-1	1	172A47-81820-2	COVER, BOOM	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
8	1	26013-080162	BOLT, M8X 16	4	4	4	4				
9	1	172187-81970	WASHER	1	1	1	1				
10	1	172147-82140	WASHER	1	1	1	1				
11	1	172A47-81900-W	PIN	2	2	2	2				
12	1	172A47-81920-W	PIN	1	1	1	1				
13	1	172165-82520	SHIM	2	2	2	2				
14	1	172165-82530	SHIM	2	2	2	2				
15	1	22157-120000	WASHER, 12	2	2	2	2				
16	1	22217-140000	WASHER, SPRING 14	1	1	1	1				
17	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				
18	1	26716-120002	NUT, M12	2	2	2	2				
19	1	26013-120252	BOLT, M12X 25	3	3	3	3				
20	1	26116-140252	BOLT, M14X 25 PLATED	1	1	1	1				
21	1	172176-81700	SHIM	1	1	1	1				
22	1	172176-81710	SHIM	1	1	1	1				
23	1	172460-81800	SHIM	2	2	2	2				
24	1	172460-81810	SHIM	2	2	2	2				
25	1	172460-81820	SHIM	2	2	2	2				
26	1	172458-81830	PIN	1	1	1	1				
26-1	1	172458-81831	PIN	1	1	1	1				N
		(A=M50985) (B=M50985) (C=M50985) (D=M50985)									
26-2	1	172A78-81980	PIN	1	1	1	1				N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
27	1	172458-81930-W	PIN	1	1	1	1				
28	1	172187-81970	WASHER	2	2	2	2				

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.4A,4B,4C,4D,4E,4F.  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)T : Ref.No.36, 42-1 = 6mm, No.36-1, 42-2 = 9mm.  
 Interchangeable by simultaneous replacement with Ref.No.42-2,48-1.

Fig.82. BOOM & BOOM BRACKET



(A)=VIO45-5(US)  
(B)=VIO45-5(AS)  
(C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
(E)=  
(F)=

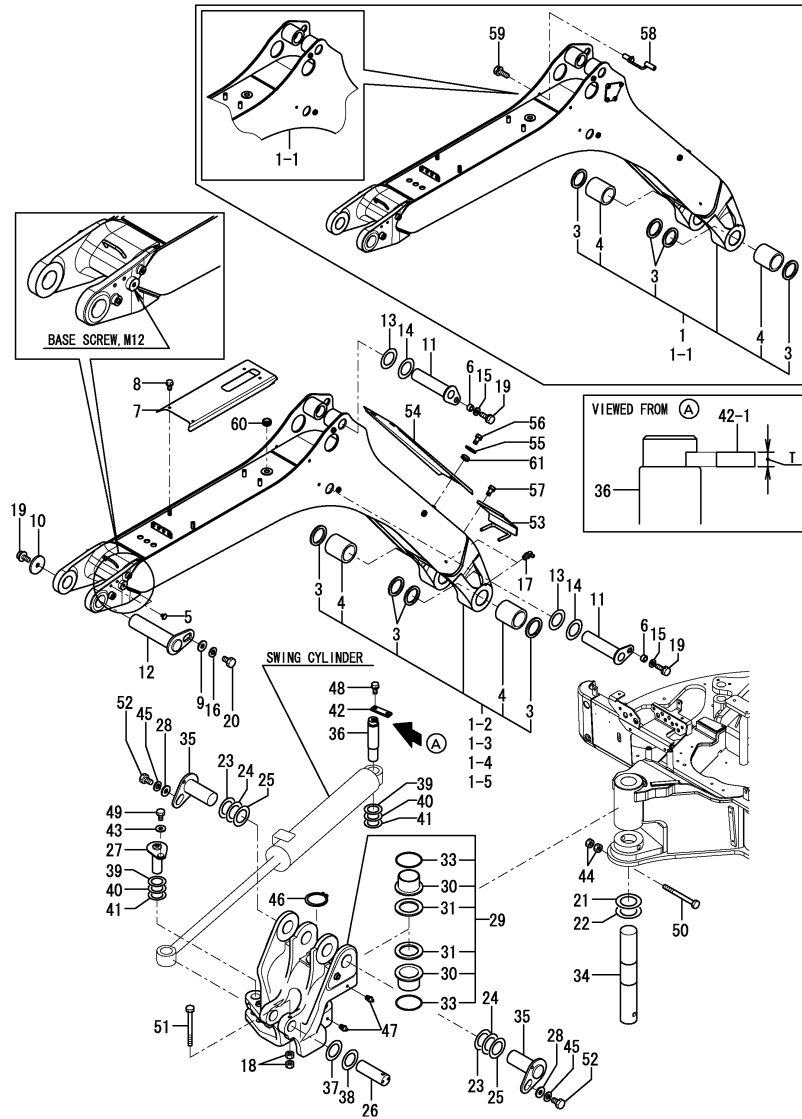
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	1	172460-82300-1	BRACKET, BOOM	1	1	1					
29-1	1	172460-82301	BRACKET, BOOM	1	1	1					N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
29-2	1	172460-82301-1	BRACKET, BOOM	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
30	2	172165-81710	BUSH	2	2	2	2				
31	2	172165-81770	SEAL, DUST	2	2	2	2				
33	2	24321-000700	O-RING, 1AG70.0	2	2	2	2				
34	1	172460-82400	PIN	1	1	1	1				
35	1	172A47-81950-W	PIN	2	2	2	2				
36	1	172A47-81940	PIN	1	1	1	1				
36-1	1	172A47-81941	PIN	1	1	1	1				F 3
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
37	1	172165-82520	SHIM	2	2	2	2				
38	1	172165-82530	SHIM	2	2	2	2				
39	1	172165-82580	SHIM	4	4	4	4				
40	1	172165-82590	SHIM	4	4	4	4				
41	1	172165-82600	SHIM	4	4	4	4				
42	1	172117-83970-3	PLATE, LOCK	1	1	1	1				
42-1	1	172117-83970-8	PLATE, LOCK	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
42-2	1	172A47-81980	PLATE, LOCK	1	1	1	1				S 3
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
43	1	22157-120000	WASHER, 12	1	1	1	1				
44	1	26716-160002	NUT, M16	2	2	2	2				
45	1	22217-140000	WASHER, SPRING 14	2	2	2	2				
46	1	22242-000700	RING, 70	1	1	1	1				
47	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				
48	1	26013-100202	BOLT, M10X 20	2	2	2	2				
48-1	1	26013-100252	BOLT, M10X 25	2	2	2	2				S
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)									
49	1	26013-120252	BOLT, M12X 25	1	1	1	1				
50	1	26076-161702	BOLT, 10.916X170	1	1	1	1				
51	1	26116-121302	BOLT, M12X130 PLATED	1	1	1	1				
51-1	1	26116-121402	BOLT, M12X140 PLATED	1	1	1	1				N
		(A=*2013.09) (B=*2013.09) (C=*2013.09) (D=*2013.09)									
52	1	26116-140352	BOLT, M14X 35 PLATED	2	2	2	2				
53	1	172A47-79100	GUIDE ASSY, HOSE	1	1	1	1				
53-1	1	172A47-79100-2	GUIDE ASSY, HOSE	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
54	1	172A47-81800-1	COVER ASSY, HOSE	1	1	1	1				
54-1	1	172A47-81800-3	COVER ASSY, HOSE	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
55	1	22157-080000	WASHER, 8	3	3	3	3				
56	1	26013-080162	BOLT, M8X 16	3	3	3	3				
57	1	26013-100402	BOLT, M10X 40	2	2	2	2				
58	1	172A47-77320	GUIDE ASSY, HOSE	1	1	1	1				Z
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
59	1	26013-100252	BOLT, M10X 25	2	2	2	2				Z
		(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST)									
60	1	933160-09220	GROMMET	1	1	1	1				

Remarks  
 (1) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.4A,4B,4C,4D,4E,4F.  
 (2) LABELS ARE NOT ILLUSTRATED.  
 (3) T : Ref.No.36, 42-1 = 6mm, No.36-1, 42-2 = 9mm.  
 Interchangeable by simultaneous replacement with Ref.No.42-2,48-1.

Fig.82. BOOM & BOOM BRACKET

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



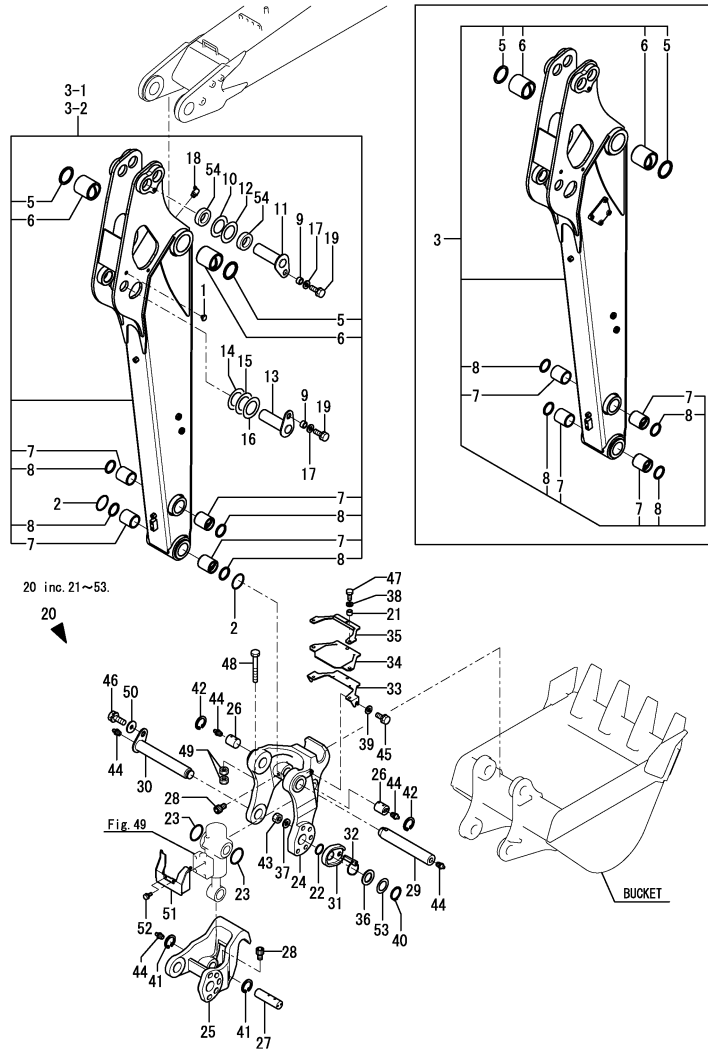
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
61	1	172137-62970	GROMMET	3	3	3	3				

Remarks  
 (1) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.4A,4B,4C,4D,4E,4F.  
 (2) LABELS ARE NOT ILLUSTRATED.  
 (3) T : Ref.No.36, 42-1 = 6mm,  
 No.36-1, 42-2 = 9mm.  
 Interchangeable by simultaneous replacement with Ref.No.42-2,48-1.

Fig.83. ARM & QUICK COUPLER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-81160	CLIP, TREE	1	1	1	1				
2	1	172125-81280	O-RING	2	2	2	2				
3	1	172A47-81500	ARM ASSY	1	1	1					1
3-1	1	172A47-81480	ARM ASSY	1	1	1					S 1
		(A=M/#50530) (B=M/#50530) (C=M/#50530)									
3-2	1	172A47-81480-1	ARM ASSY	1	1	1	1				S 1
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
5	2	172020-10620	SEAL, DUST	2	2	2	2				
6	2	172445-81360	BUSH	2	2	2	2				
7	2	172112-83500	BUSH, PIN	4	4	4	4				
8	2	172168-81410	SEAL, DUST	4	4	4	4				
8A	1	172472-03261	LABEL, FINGER	1	1	1	1				4
8B	1	172472-03230	LABEL, OPERATION	1	1	1	1				4
8C	1	172437-03511	LABEL, HOOK	1	1	1	1				4
9	1	172164-81670	SPACER	2	2	2	2				
10	1	172165-82520	SHIM	1	1	1	1				
11	1	172491-82130-W	PIN ASSY	1	1	1	1				
12	1	172165-82530	SHIM	1	1	1	1				
13	1	172460-82540-W	PIN	1	1	1	1				
14	1	172165-82550	SHIM	1	1	1	1				
15	1	172165-82560	SHIM	1	1	1	1				
16	1	172165-82570	SHIM	1	1	1	1				
17	1	22157-120000	WASHER, 12	2	2	2	2				
18	1	24761-040000	NIPPLE, GREASE B	1	1	1	1				
19	1	26013-120252	BOLT, M12X 25	2	2	2	2				
20	1	172960-08700	QUICK HITCH ASSY	1	1	1	1				Z
		(A=M50501) (B=M50501) (C=M50501) (D=M50501)									
21	2	172958-17120	COLLAR	3	3	3					
21-1	2	172958-17121	COLLAR, 9X4	3	3	3	3				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
22	2	172124-46200	O-RING	1	1	1	1				
23	2	172171-81270	O-RING, 61X6.0	2	2	2	2				
24	2	172960-83101-1	BRACKET	1	1	1					
24-1	2	172960-83101-2	BRACKET	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
24-2	2	172960-83102-1	BRACKET,A	1	1	1	1				N
		(A=*2010.12.) (B=*2010.12.) (C=*2010.12.) (D=*2010.12.)									
25	2	172960-83111-1	BRACKET	1	1	1					
25-1	2	172960-83111-2	BRACKET	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
25-2	2	172960-83112-2	BRACKET B(YELLOW:2J)	1	1	1	1				N
		(A=*2008.06.) (B=*2008.06.) (C=*2008.06.) (D=*2008.06.)									
25-3	2	172960-83113-1	BRACKET,B	1	1	1	1				N
		(A=*2010.12.) (B=*2010.12.) (C=*2010.12.) (D=*2010.12.)									
26	2	172960-83120	PIN	2	2	2	2				
27	2	172960-83130	PIN	1	1	1	1				
28	2	172958-83140	BOLT	3	3	3	3				
29	2	172960-83140	PIN	1	1	1	1				
30	2	172960-83151-W	PIN 45X299	1	1	1	1				
31	2	172958-83171-1	PLATE, LOCK	1	1	1					2
31-1	2	172958-83171-2	PLATE, LOCK	1	1	1	1				S 2

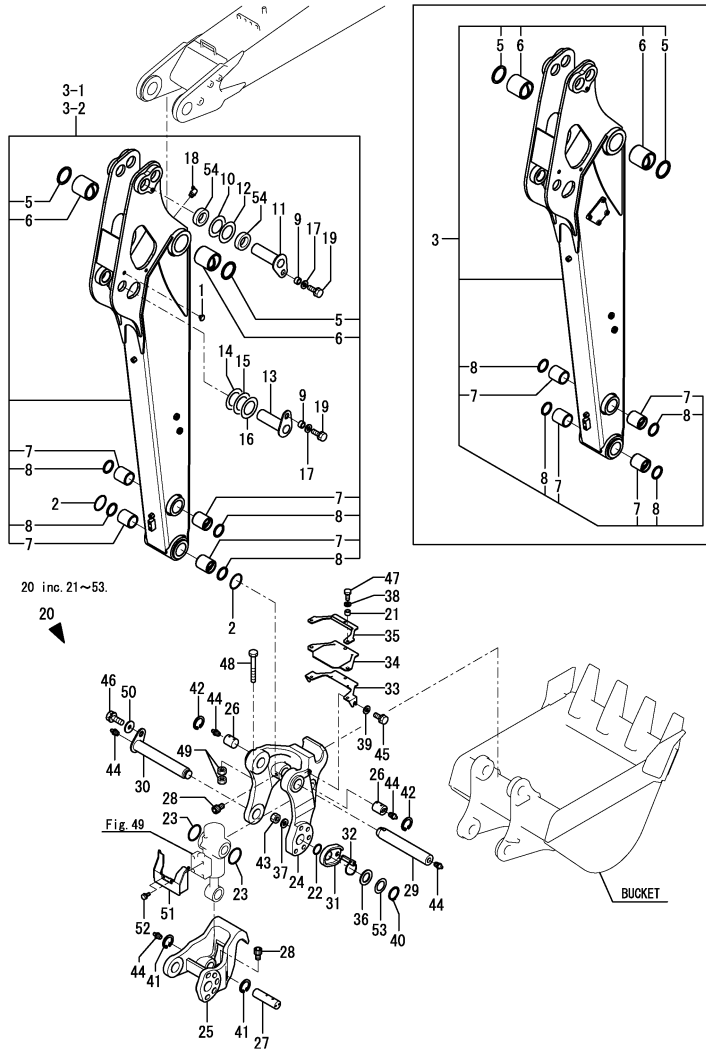
Remarks

- (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.8A,8B,8C.
- (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.31A.
- (3)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.32A.
- (4)LABELS ARE NOT ILLUSTRATED.

Fig.83. ARM & QUICK COUPLER

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



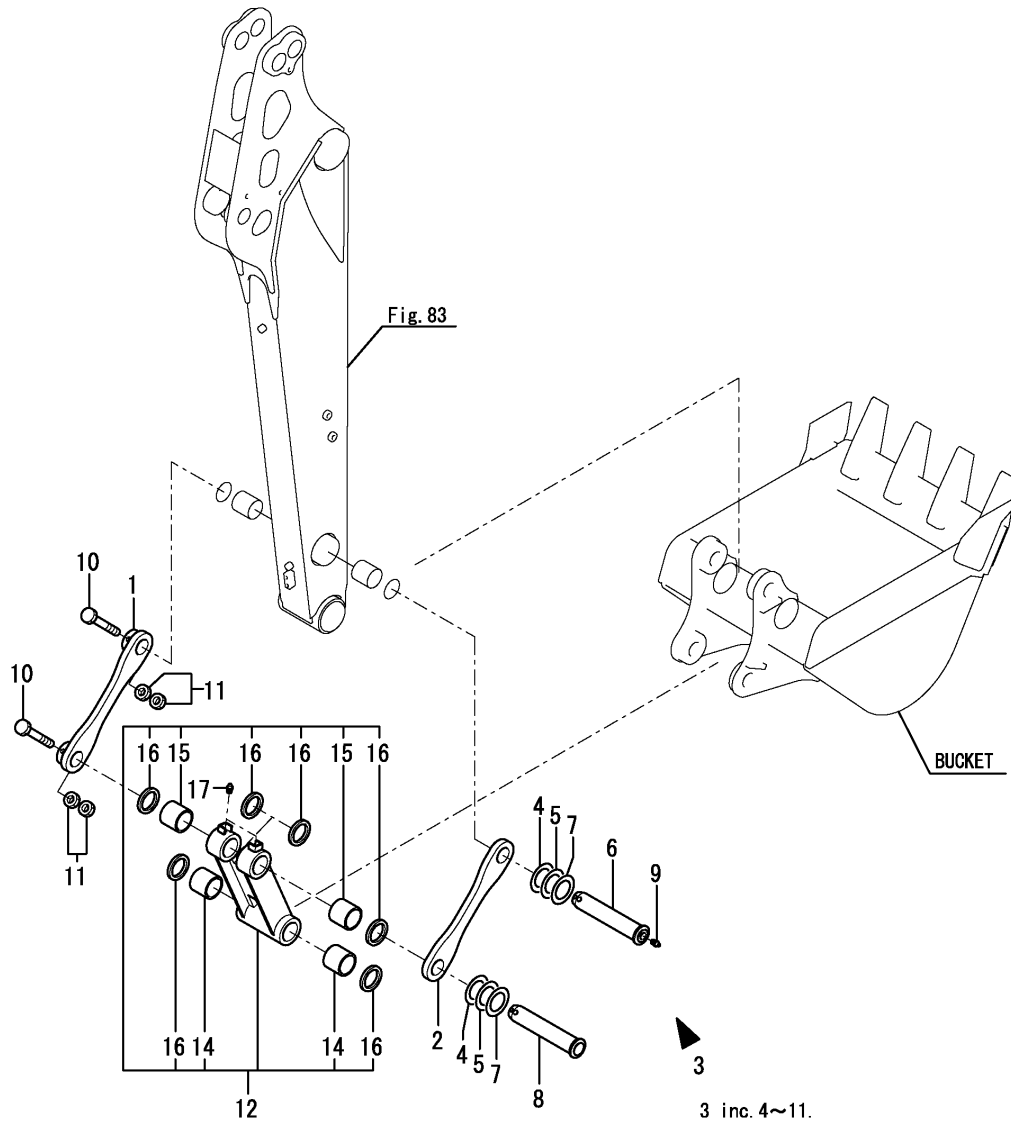
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
31A	2	172458-03240	LABEL, LOCK	1	1	1	1				4
32	2	172960-83191	PIN ASSY, LOCK	1	1	1					3
32-1	2	172960-83192	PIN ASSY, LOCK	1	1	1	1				N 3
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
32A	2	172958-03160	LABEL	1	1	1	1				4
33	2	172960-83252-1	GUARD ASSY	1	1	1					
33-1	2	172960-83252-2	GUARD ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
34	2	172960-83281	PLATE, RUBBER	1	1	1					
34-1	2	172960-83282	PLATE, RUBBER	1	1	1	1				N
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
35	2	172960-83292-1	PLATE ASSY	1	1	1					
35-1	2	172960-83292-2	PLATE ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
36	2	172960-83210	COLLAR	1	1	1	1				
37	2	172958-83330	WASHER	1	1	1	1				
38	2	22137-080000	WASHER, 8	3	3	3	3				
39	2	22137-100000	WASHER, 10	2	2	2	2				
40	2	22242-000350	RING, 35	1	1	1	1				
41	2	22252-000350	RING, 35	2	2	2	2				
42	2	22252-000400	RING, 40	2	2	2	2				
43	2	26756-060002	NUT, LOCK M6	1	1	1	1				
44	2	24761-020000	NIPPLE, GREASE PT1/8	5	5	5	5				
45	2	26013-100202	BOLT, M10X 20	2	2	2	2				
46	2	26013-120302	BOLT, M12X 30	1	1	1	1				
47	2	26116-080202	BOLT, M8X 20 PLATED	3	3	3	3				
48	2	26116-100802	BOLT, M10X 80 PLATED	1	1	1	1				
49	2	26716-100002	NUT, M10	2	2	2	2				
50	2	22157-120000	WASHER, 12	1	1	1	1				
51	2	172960-83312-1	COVER ASSY	1	1	1					
51-1	2	172960-83312-2	COVER ASSY	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
52	2	26013-080162	BOLT, M8X 16	2	2	2	2				
53	2	172141-84601	SHIM	1	1	1	1				
54	1	172A48-81610	COLLAR	2	2	2	2				

Remarks

- (1) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.8A,8B,8C.
- (2) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.31A.
- (3) PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.32A.
- (4) LABELS ARE NOT ILLUSTRATED.

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

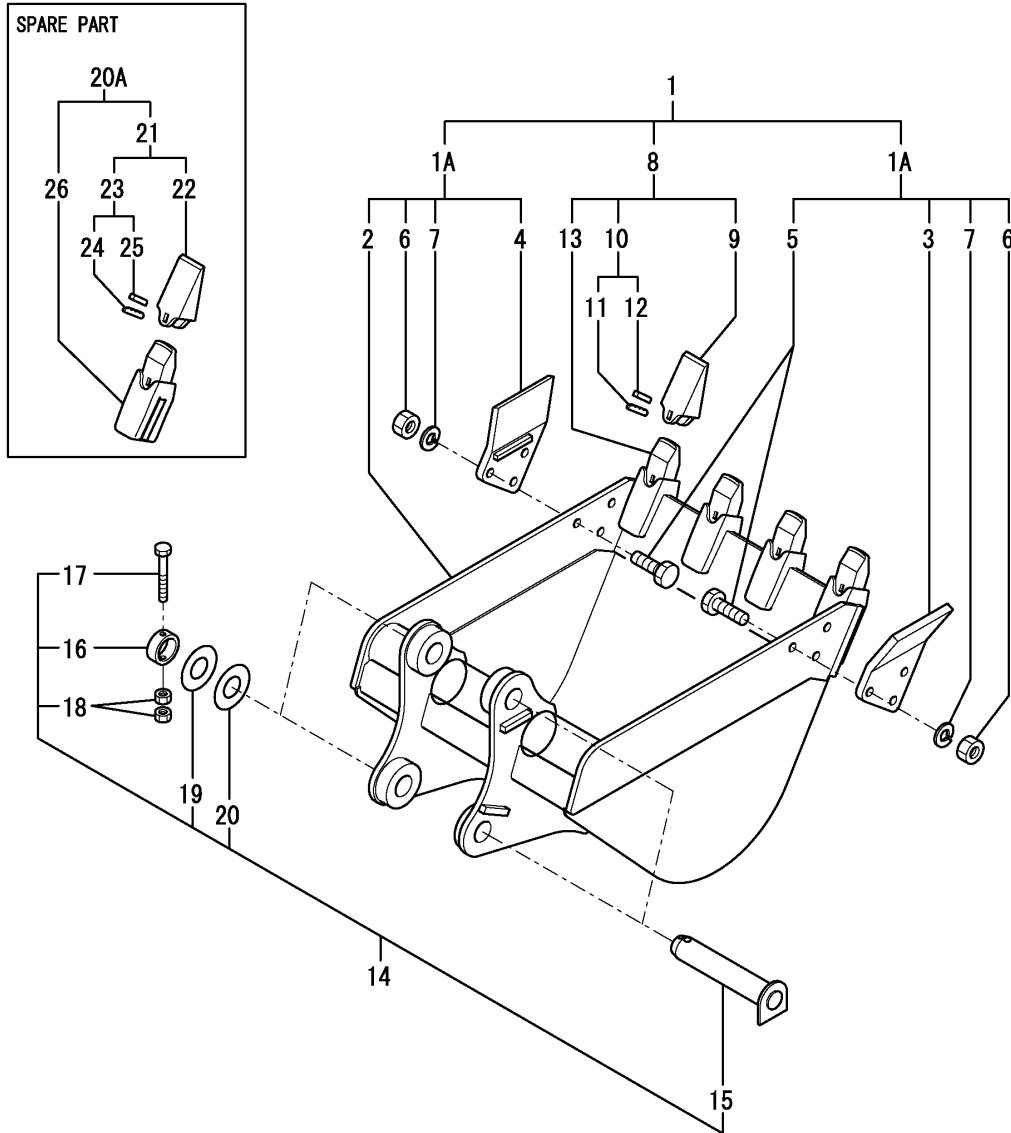


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172460-82350-1	ARM, BUCKET	1	1	1					
1-1	1	172460-82350-2	ARM, BUCKET	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
2	1	172460-82360-1	ARM, BUCKET	1	1	1					
2-1	1	172460-82360-2	ARM, BUCKET	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
3	1	172460-82650-W	PIN KIT, ARM	1	1	1	1				
4	2	172165-82550	SHIM	2	2	2	2				
5	2	172165-82560	SHIM	2	2	2	2				
6	2	172460-82560-W	PIN 45X217(A)	1	1	1	1				
7	2	172165-82570	SHIM	2	2	2	2				
8	2	172460-82590-W	PIN 45X217	1	1	1	1				
9	2	24761-020000	NIPPLE, GREASE PT1/8	1	1	1	1				
10	2	26116-100802	BOLT, M10X 80 PLATED	2	2	2	2				
11	2	26716-100002	NUT, M10	4	4	4	4				
12	1	172460-82380	LINK, BUCKET	1	1	1					
12-1	1	172460-82380-5	LINK, BUCKET	1	1	1	1				S
		(A=M/#50922) (B=M/#50922) (C=M/#50922)									
14	2	172112-83500	BUSH, PIN	2	2	2	2				
15	2	172112-86250	BUSH, PIN	2	2	2	2				
16	2	172168-81410	SEAL, DUST	6	6	6	6				
17	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				

Fig.85. BUCKET

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172460-82101-2	BUCKET ASSY, 650S	1	1						
1-1	1	172460-82101-3	BUCKET ASSY, 650S (A=M/#50922) (C=M/#50922)	1	1	1					S
1A	2	172460-82240-1	BUCKET ASSY, 650S (A=M/#50592) (C=M/#50592)	1	1						W
1A-1	2	172460-82240-2	BUCKET ASSY, 650S (A=M/#50922) (C=M/#50922)	1	1	1					S
2	3	172460-82111-2	BUCKET ASSY	1	1						
2-1	3	172460-82111-3	BUCKET ASSY (A=M/#50922) (C=M/#50922)	1	1	1					S
3	3	172460-82180-2	CUTTER, SIDE (A=M/#50922) (C=M/#50922)	1	1						
3-1	3	172460-82180-3	CUTTER, SIDE	1	1	1					S
4	3	172460-82200-2	CUTTER, SIDE (A=M/#50922) (C=M/#50922)	1	1						
4-1	3	172460-82200-3	CUTTER, SIDE	1	1	1					S
5	3	172460-82220	BOLT M16X 50 (A=M/#50922) (C=M/#50922)	6	6	6					
6	3	172460-82230	NUT	6	6	6					
7	3	22217-160000	WASHER, SPRING 16	6	6	6					
8	2	772151-81611-W	TOOTH ASSY	4	4	4					
9	3	172448-82570	TOOTH, POINT	4	4	4					
10	3	172448-82960	PIN ASSY, LOCK	4	4	4					
11	4	172448-82580	PIN, LOCK	4	4	4					
12	4	172448-82590	RUBBER, PIN	4	4	4					
13	3	172151-81611-W	ADAPTER	4	4	4					
14	1	172960-81600	BUCKET PIN KIT Q	2	2	2	2				
15	2	172960-83170	PIN 45X271Q	2	2	2	2				
16	2	172176-81640	COLLAR	2	2	2	2				
17	2	26116-100752	BOLT, M10X 75 PLATED	2	2	2	2				
18	2	26716-100002	NUT, M10	4	4	4	4				
19	2	172165-82550	SHIM	2	2	2	2				
20	2	172165-82560	SHIM	2	2	2	2				
20A	1	772151-81611-W	TOOTH ASSY	4	4	4	4				1
21	2	172448-82950	TOOTH KIT, POINT	4	4	4	4				1
22	3	172448-82570	TOOTH, POINT	4	4	4	4				1
23	3	172448-82960	PIN ASSY, LOCK	4	4	4	4				1
24	4	172448-82580	PIN, LOCK	4	4	4	4				1
25	4	172448-82590	RUBBER, PIN	4	4	4	4				1
26	2	172151-81611-W	ADAPTER	4	4	4	4				1

Remarks

(1)REPAIR PART.

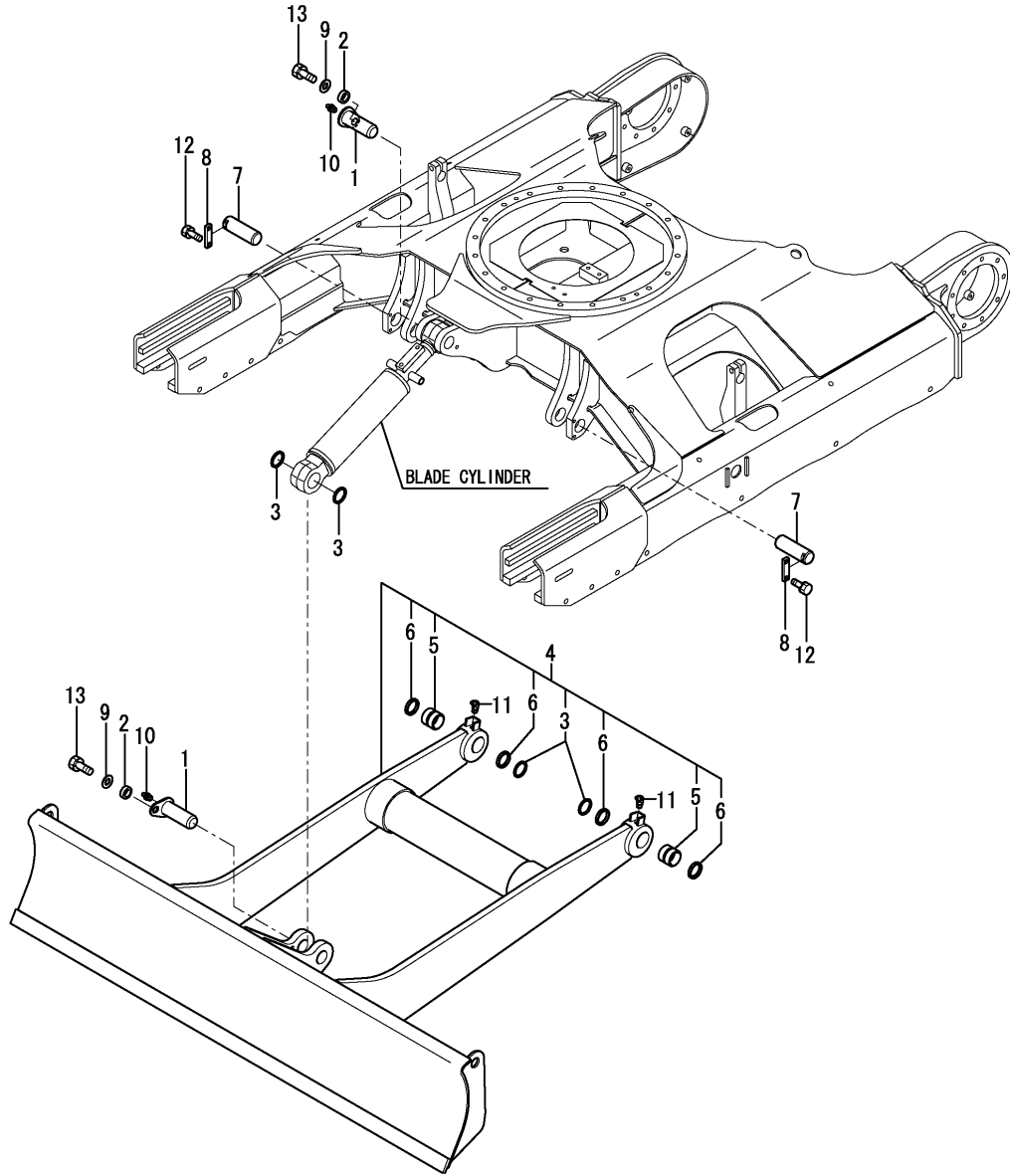
N:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{No} \end{matrix}$  New, Q:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{Yes} \end{matrix}$  New, R:Old  $\begin{matrix} \leftarrow \text{Yes} \\ \text{Yes} \end{matrix}$  New, S:Old  $\begin{matrix} \leftarrow \text{No} \\ \text{No} \end{matrix}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change



Fig.86. BLADE

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-81650-W	PIN 45X122	2	2	2	2				
2	1	172164-81670	SPACER	2	2	2	2				
3	1	172112-87840	SHIM	4	4	4	4				
4	1	172A34-94100-2	BLADE ASSY	1	1	1					1
4-1	1	172A34-94101-2	BLADE ASSY	1	1	1	1				N 1
		(A=M/#51056) (B=M/#51056) (C=M/#51056)									
5	2	172151-72670	BUSH 45 50	2	2	2	2				
6	2	172168-81410	SEAL, DUST	4	4	4	4				
6A	1	172437-03511	LABEL, HOOK US	2	2	2	2				2
7	1	172423-94210	PIN 45X120	2	2	2	2				
8	1	172124-94310-5	PLATE, LOCK	2	2	2	2				
9	1	22157-120000	WASHER, 12	2	2	2	2				
10	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2				
11	1	24761-040000	NIPPLE, GREASE B	2	2	2	2				
12	1	26013-100252	BOLT, M10X 25	4	4	4	4				
13	1	26013-120302	BOLT, M12X 30	2	2	2	2				

Remarks

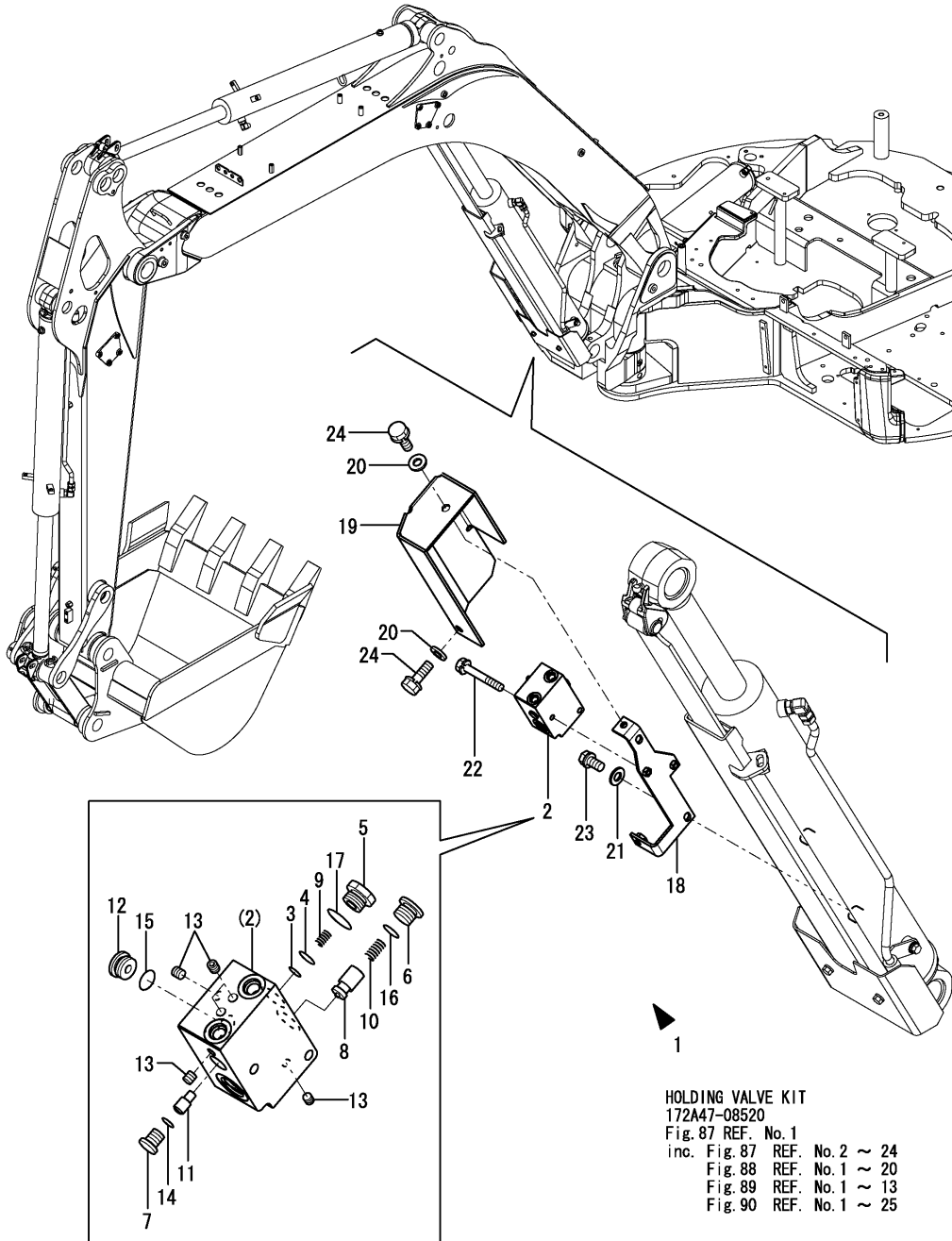
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.6A.

(2)LABELS ARE NOT ILLUSTRATED.

Fig.87. HOLDING VALVE KIT(1)(OPTIONAL)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



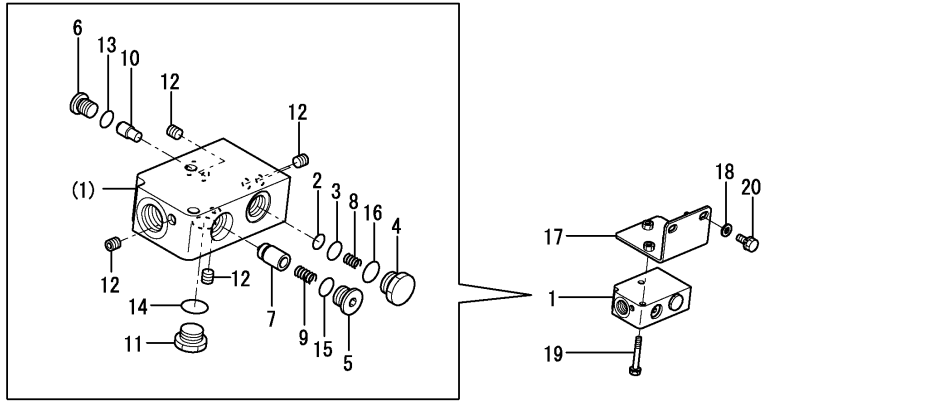
HOLDING VALVE KIT  
 172A47-08520  
 Fig. 87 REF. No. 1  
 inc. Fig. 87 REF. No. 2 ~ 24  
 Fig. 88 REF. No. 1 ~ 20  
 Fig. 89 REF. No. 1 ~ 13  
 Fig. 90 REF. No. 1 ~ 25

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172A47-08520 (B=M50994)	HOLDING VALVE KIT		1						W
2	2	172A25-74401	HOLD VALVE,BOOM&ARM		1						
3	3	172A25-74420	O-RING		1						
4	3	172A25-74430	O-RING		1						
5	3	172A25-74440	PLUG		1						
6	3	172A25-74450	PLUG		1						
7	3	172A25-74460	PLUG		1						
8	3	172A25-74470	POPPET		1						
9	3	172A25-74480	SPRING		1						
10	3	172A25-74490	SPRING		1						
11	3	172A25-74501	PISTON		1						
12	3	172455-77140	PLUG		1						
13	3	172455-77150	PLUG		5						
14	3	24315-000100	O-RING, 1BP10.0		1						
15	3	24315-000110	O-RING, 1BP11.0		1						
16	3	24315-000140	O-RING, 1BP14.0		1						
17	3	24315-000160	O-RING, 1BP16.0		1						
18	2	172A47-77100	BRACKET ASSY,BOOM K		1						
19	2	172A47-77150-1	COVER, BOOM		1						
20	2	22137-100000	WASHER, 10		2						
21	2	22137-100000	WASHER, 10		2						
22	2	26013-080552	BOLT, M8X 55		2						
23	2	26013-100202	BOLT, M10X 20		2						
24	2	26013-100252	BOLT, M10X 25		2						

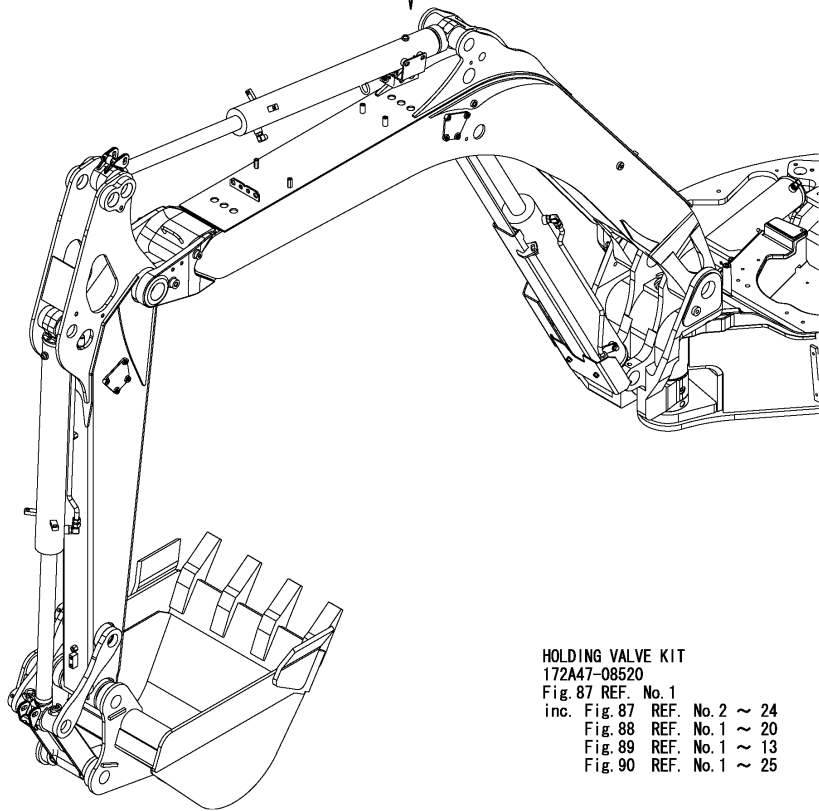
Fig.88. HOLDING VALVE KIT(2)(OPTIONAL)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172A25-74401	HOLD VALVE,BOOM&ARM		1						
2	3	172A25-74420	O-RING		1						
3	3	172A25-74430	O-RING		1						
4	3	172A25-74440	PLUG		1						
5	3	172A25-74450	PLUG		1						
6	3	172A25-74460	PLUG		1						
7	3	172A25-74470	POPPET		1						
8	3	172A25-74480	SPRING		1						
9	3	172A25-74490	SPRING		1						
10	3	172A25-74501	PISTON		1						
11	3	172455-77140	PLUG		1						
12	3	172455-77150	PLUG		5						
13	3	24315-000100	O-RING, 1BP10.0		1						
14	3	24315-000110	O-RING, 1BP11.0		1						
15	3	24315-000140	O-RING, 1BP14.0		1						
16	3	24315-000160	O-RING, 1BP16.0		1						
17	2	172A47-77200-1	BRACKET ,ARM K		1						
18	2	172458-61261	WASHER		2						
19	2	26013-080552	BOLT, M8X 55		2						
20	2	26013-100202	BOLT, M10X 20		2						

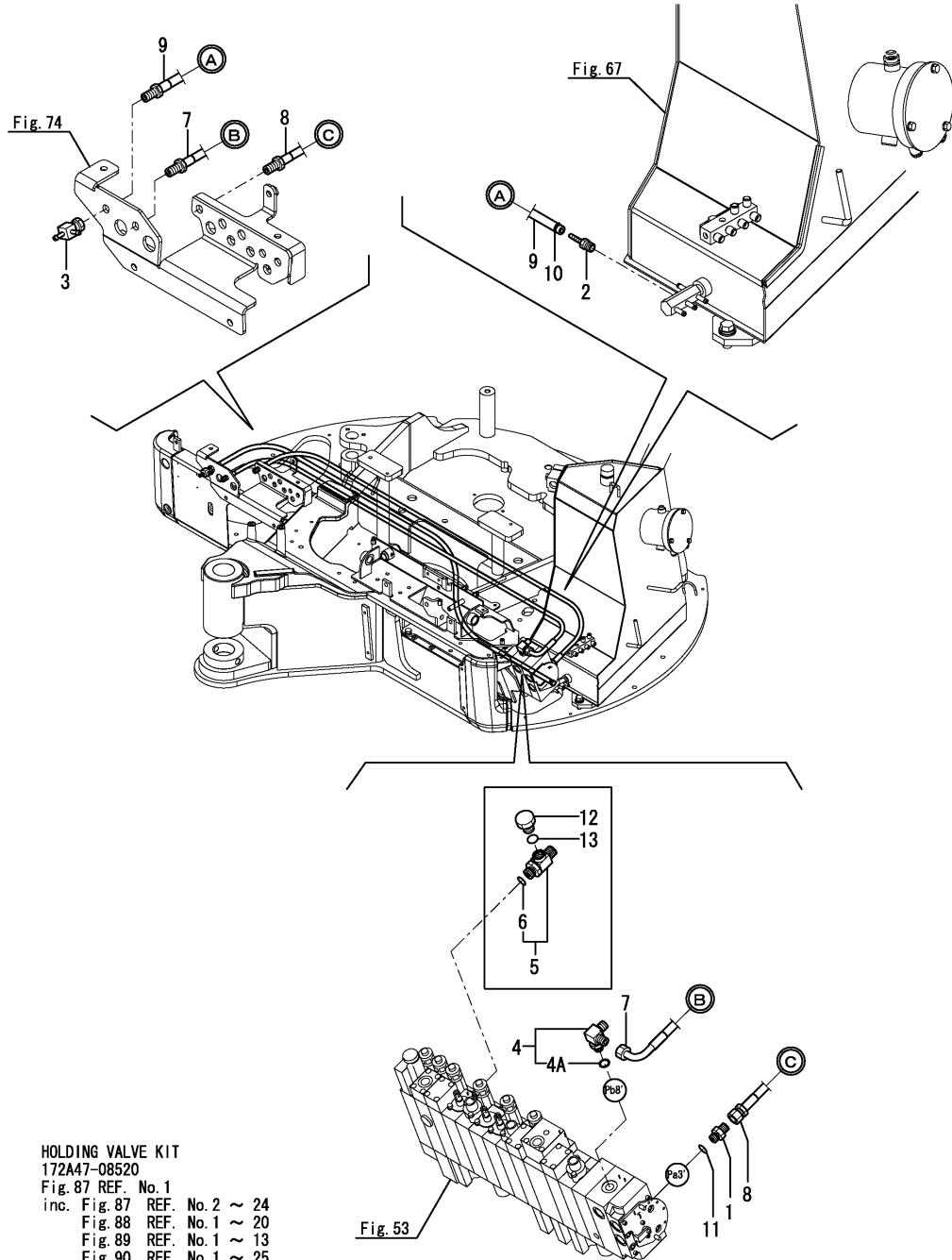


HOLDING VALVE KIT  
 172A47-08520  
 Fig. 87 REF. No. 1  
 inc. Fig. 87 REF. No. 2 ~ 24  
 Fig. 88 REF. No. 1 ~ 20  
 Fig. 89 REF. No. 1 ~ 13  
 Fig. 90 REF. No. 1 ~ 25

Fig.89. HOLDING VALVE KIT(3)(OPTIONAL)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172123-76121	ADAPTER		1						
2	2	172141-76220	NIPPLE		1						
3	2	172A47-76320	NIPPLE		1						
4	2	172491-76330	ELBOW, ADJUSTABLE		1						
4A	3	24315-000110 (B=M50501)	O-RING, 1BP11.0		1						W
5	2	172460-76700 (B=MZZZZZ)	CONNECTOR, 2X3/8X1/4		1						Z
6	3	24315-000140 (B=MZZZZZ)	O-RING, 1BP14.0		1						Z
7	2	172A47-78770	HOSE		1						
8	2	172A47-78780	HOSE		1						
9	2	172A47-78790	HOSE		1						
10	2	23000-013000	CLAMP, 13		1						
11	2	41851-000110	O-RING		1						
12	2	172165-76590 (B=MZZZZZ)	PLUG PF1/4		1						Z
13	2	41851-000110 (B=MZZZZZ)	O-RING		1						Z

HOLDING VALVE KIT  
 172A47-08520  
 Fig. 87 REF. No. 1  
 inc. Fig. 87 REF. No. 2 ~ 24  
 Fig. 88 REF. No. 1 ~ 20  
 Fig. 89 REF. No. 1 ~ 13  
 Fig. 90 REF. No. 1 ~ 25

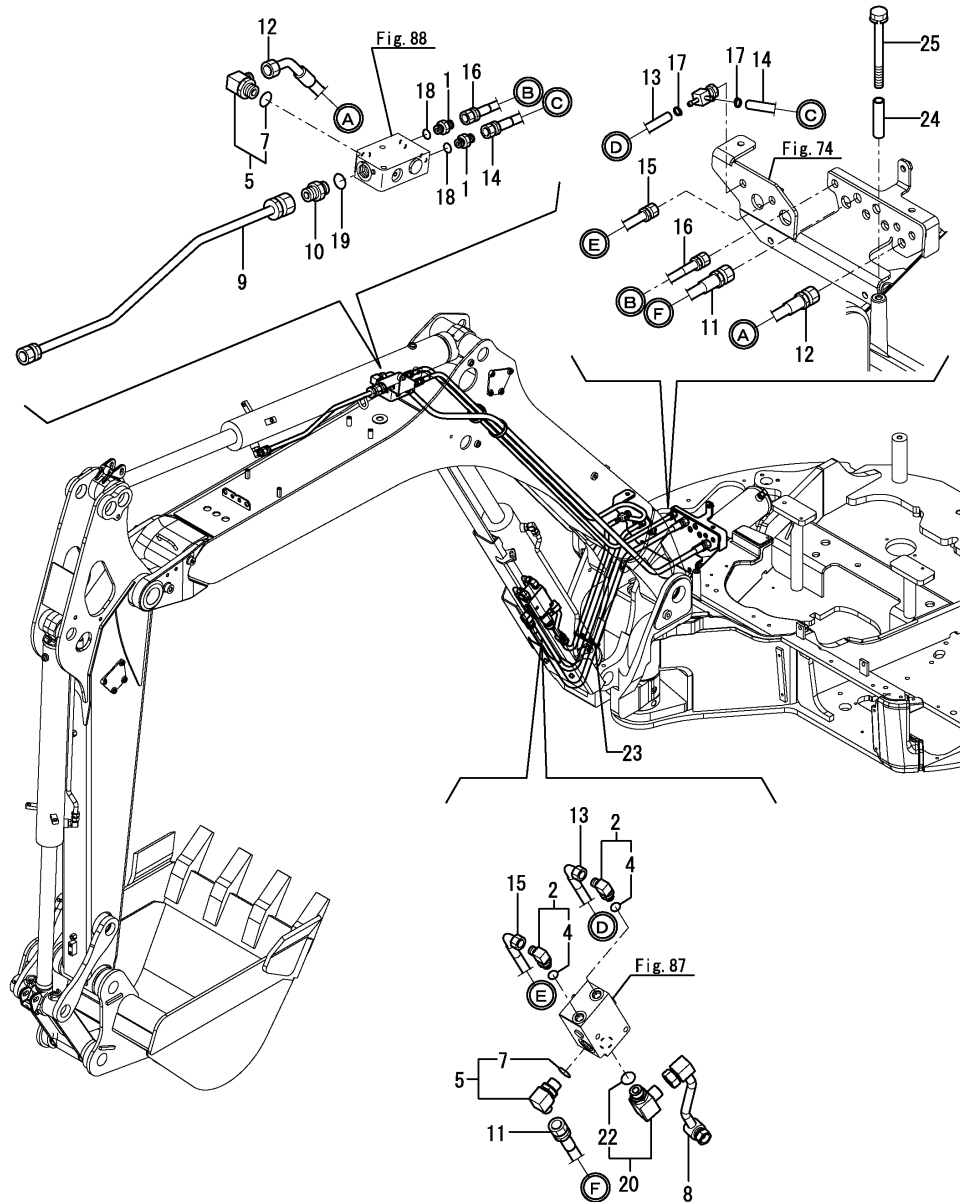
Fig.90. HOLDING VALVE KIT(4)(OPTIONAL)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=

HOLDING VALVE KIT

172A47-08520  
 Fig. 87 REF. No.1  
 inc. Fig. 87 REF. No.2 ~ 24  
 Fig. 88 REF. No.1 ~ 20  
 Fig. 89 REF. No.1 ~ 13  
 Fig. 90 REF. No.1 ~ 25

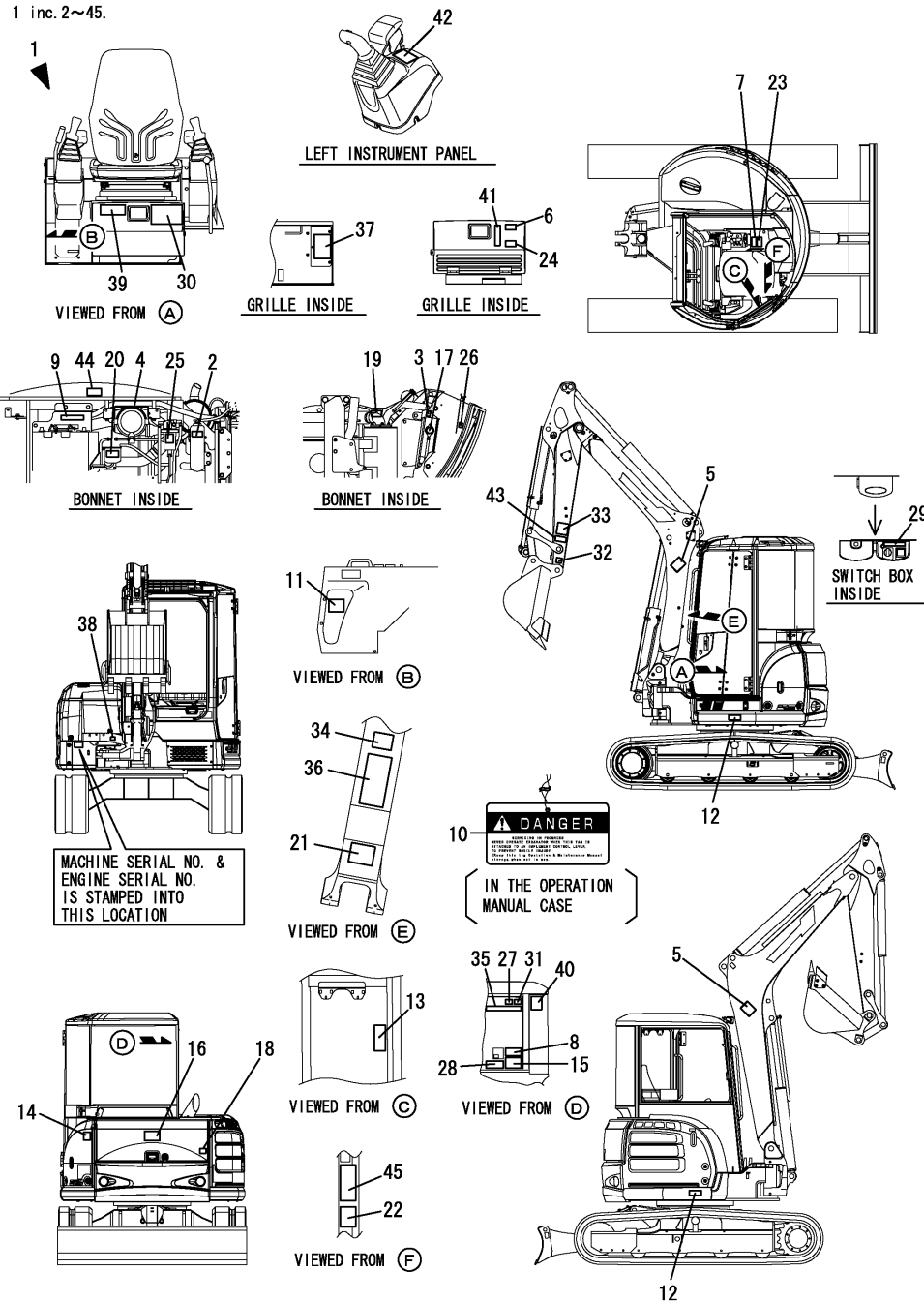


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172123-76121	ADAPTER		2						
2	2	172141-76181	CONNECTOR ASSY, 02FF		2						
4	3	41851-000110	O-RING								
5	2	172157-76300	ELBOW ASSY		2						
7	3	24315-000180	O-RING, 1BP18.0								
8	2	172A47-77120-1	TUBE ASSY, BOOM								
9	2	172A47-77221-1	TUBE ASSY, ARM								
10	2	172112-77361	CONNECTOR								
11	2	172A47-78381	HOSE								
12	2	172A47-78391	HOSE								
13	2	172A47-78430	HOSE								
14	2	172A47-78440	HOSE								
15	2	172A47-78480	HOSE								
16	2	172A47-78490	HOSE								
17	2	23000-013000	CLAMP, 13								
18	2	41851-000110	O-RING								
19	2	41851-000180	O RING								
20	2	172141-76900	CONNECTOR ASSY								
22	3	24315-000180	O-RING, 1BP18.0								
23	2	172122-79930	CLAMP, HOSE								
24	2	172A47-79160	COLLAR, PTO								
25	2	26013-101002	BOLT, M10X100								

Fig.91. LABEL(FRANCH FOR CANADA)

(A)=VIO45-5(US)  
 (B)=VIO45-5(AS)  
 (C)=VIO45-5(NZ)

(D)=VIO45-5(SG)  
 (E)=  
 (F)=



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty	I	R
1	1	172A47-03020 (A=M/#50708)	CA LABEL KIT,VIO45-5	1								W
2	2	172A37-03150	LABEL,SUB-TANK CA	1								
3	2	172A37-03160	LABEL,ANTI-FREEZE CA	1								
4	2	172A37-03180	LABEL J, AIR CLEANER	1								
5	2	172A37-03200	LABEL,BOOM CA	2								
6	2	172A37-03220	LABEL,ADJUST CRAWLER	1								
7	2	172A37-03231	LABEL,MANUAL CA.	1								
8	2	172A37-03241	LABEL,SLOPE CA.	1								
9	2	172A37-03250	LABEL,RESERVOIR CA	1								
10	2	172469-03261	TAG ASSY, SERVICING	1								
11	2	172A37-03271	LABEL,TRANSPORT CA.	1								
12	2	172A37-03280	LABEL,GREASE CYL CA	2								
13	2	172478-03290	LABEL,F/W LOWER	1								
14	2	172A37-03290	LABEL,BATTERY CA	1								
15	2	172A37-03300	LABEL,NEWTRAL CA	1								
16	2	172A37-03310	LABEL,SWING AREA CA	1								
17	2	172469-03320	LABEL,RADIATOR CAP	1								
18	2	172A37-03330	LABEL,ENGINE COVER	1								
19	2	172A37-03350	LABEL,SILENCER CA	2								
20	2	172469-03360	LABEL,OIL	1								
21	2	172A37-03360	LABEL,STERRING CA	1								
22	2	172A37-03370	LABEL,ROPS CA	1								
23	2	172A37-03400	LABEL,LEVER LOCK CA	1								
24	2	172467-03411	LABEL,GREASING CA	1								
25	2	172A07-03410	LABEL,WATER DRAIN	1								
26	2	172A37-03410	LABEL,RADIATOR CA	1								
27	2	172A37-03420	LABEL,WINDOW CA	1								
28	2	172A37-03430	LABEL,2 WAY CA	1								
29	2	172469-03480	LABEL,SWITCH	1								
30	2	172A37-03500	LABEL,SUPPORT CA	1								
31	2	172A37-03520	LABEL,PIN CA	1								
32	2	172A37-03530	LABEL,FINGER CA	1								
33	2	172469-03540	LABEL,OPERATION PIN	1								
34	2	172A37-03540	LABEL,SAND CA	1								
35	2	172469-03550	LABEL,OP HITCH	1								
36	2	172A37-03550	LABEL,WARNING HITCH	1								
37	2	172A47-03601	LABEL,FUSE CA	1								
38	2	172A47-03610	LABEL, GREASE CA	1								
39	2	172A47-03620	LABEL,SPEC CA	1								
40	2	172A47-03630	LABEL,LIFT Q CA	1								
41	2	172A47-03640	LABEL,OIL & WATER CA	1								
42	2	172A47-03651	LABEL,PTO CA	1								
43	2	172A37-03680	LABEL,LOCK PIN CA	1								
44	2	172A37-03710	LABEL,ENGROOM CA	2								
45	2	172A37-03720	LABEL,SEAT BELT CA	1								

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119866-12530	4	6
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121250-49121	7	5
121256-44600	7	41
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124450-44550	7	40
124450-44560	7	37
124766-59050	7	44
	8	41
129004-12520	4	5
129100-55690	8	37
129107-44590	7	2
129211-77920	11	9
129400-13201	4	18
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129612-52100	8	35
129642-13570	4	12
171064-44510	7	34
171064-44520	7	35
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	83	5
172112-77361	90	10
172112-83500	83	7
	84	14
172112-86250	84	15
172112-87840	86	3
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172116-75850-B	67	17
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172117-53320	8	56
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172122-73430	50	30	
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	18	13 -2
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	70	5 -1
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172162-65660	7	15
172162-69050	38	20
172162-69470	92	22
172162-69480	92	23
172162-69490	92	24
172162-69500	92	25
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172165-82560	83	15
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172165-82570	83	16
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172175-73700	67	3
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172176-67181	33	10
172176-67880	33	11
172176-73290	43	27
172176-73560	43	47
172176-73590	43	48
172176-73600	43	49
172176-73690	43	50
172176-73880	43	51
172176-73910	43	52
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	42	1 D
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	3	17
	82	4 B
172437-03471	1	55
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	36	12 C
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