

0CS10-M41102EN

# P R E F A C E

1. This Parts Catalog is the 2nd revised of Yanmar crawler back-hoe Vio27-2 for U. S. A. ,Australia & New Zealand.

2. Parts catalog history

	Parts catalog NO.	Published	Note
1st edition	000Y00S4110	Apr. , 2001	Disuse old edition
1st revised	000Y00S4111	Jul. , 2002	Disuse old edition
2nd revised	000Y00S4112	Aug. , 2004	

3. Model name

SECTION	Column	Model name	Manufactured	M/#
I (Vehicle)	(A)	Vio27-2 C(US	2001/3~	20840~
	(B)	Vio27-2 P(US	2001/1~	20793~
	(C)	Vio27-2 C(AS	2002/6~	21106~
	(D)	Vio27-2 P(AS	2002/5~	21093~
	(E)	Vio27-2 C(NZ	2002/10~	21171~
	(F)	Vio27-2 P(NZ	2003/4~	21290~
II (Engine)	(A)	3TNE78A-EBV	2000/12~	48570~

(Note) C:Cabin P:Canopy US:U. S. A. AS:Australia NZ:New Zealand

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.

- The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
- Parts may change without prior notice.
- 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 Mark

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.

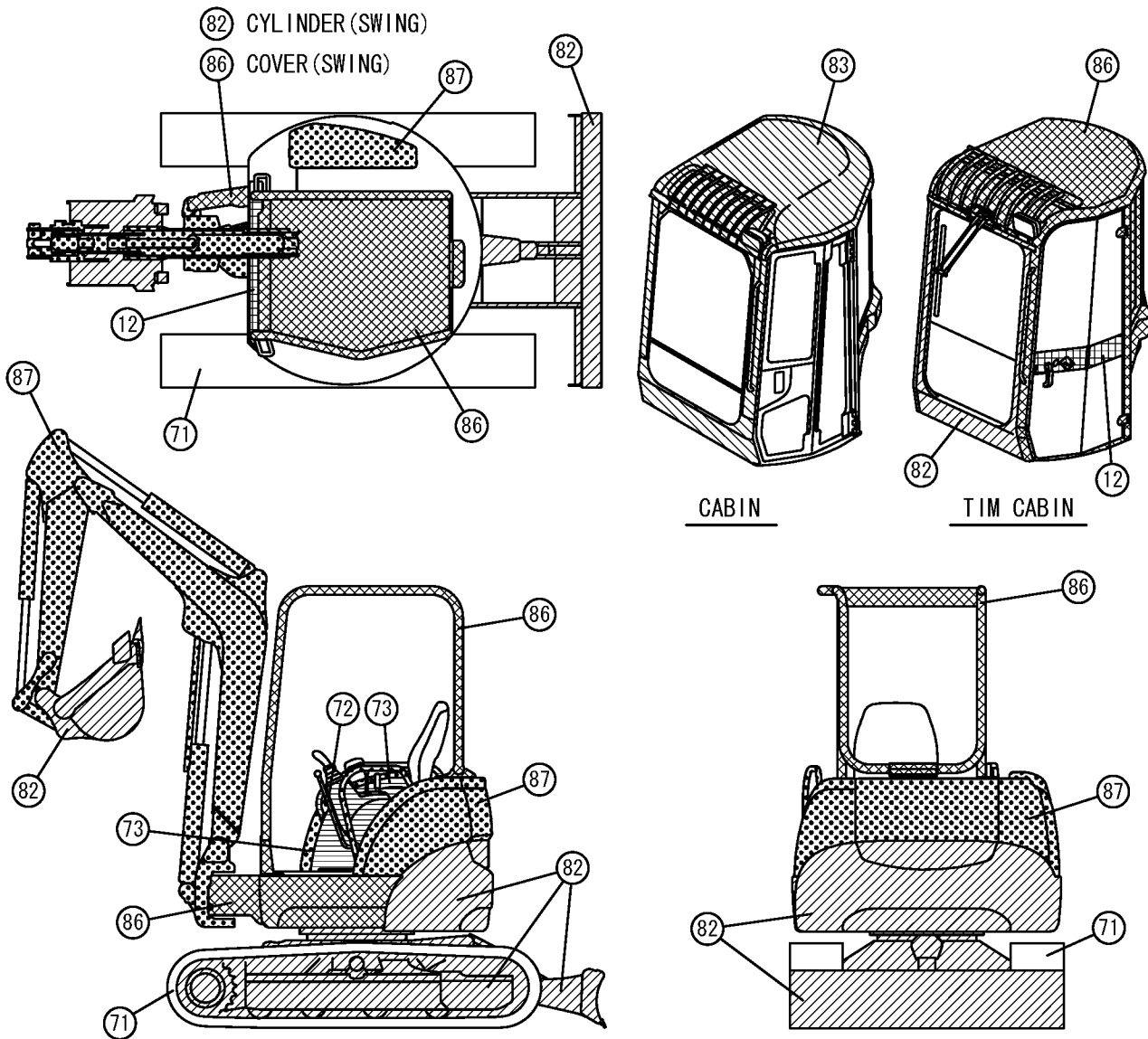
Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

### ⑤ Remarks Mark

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

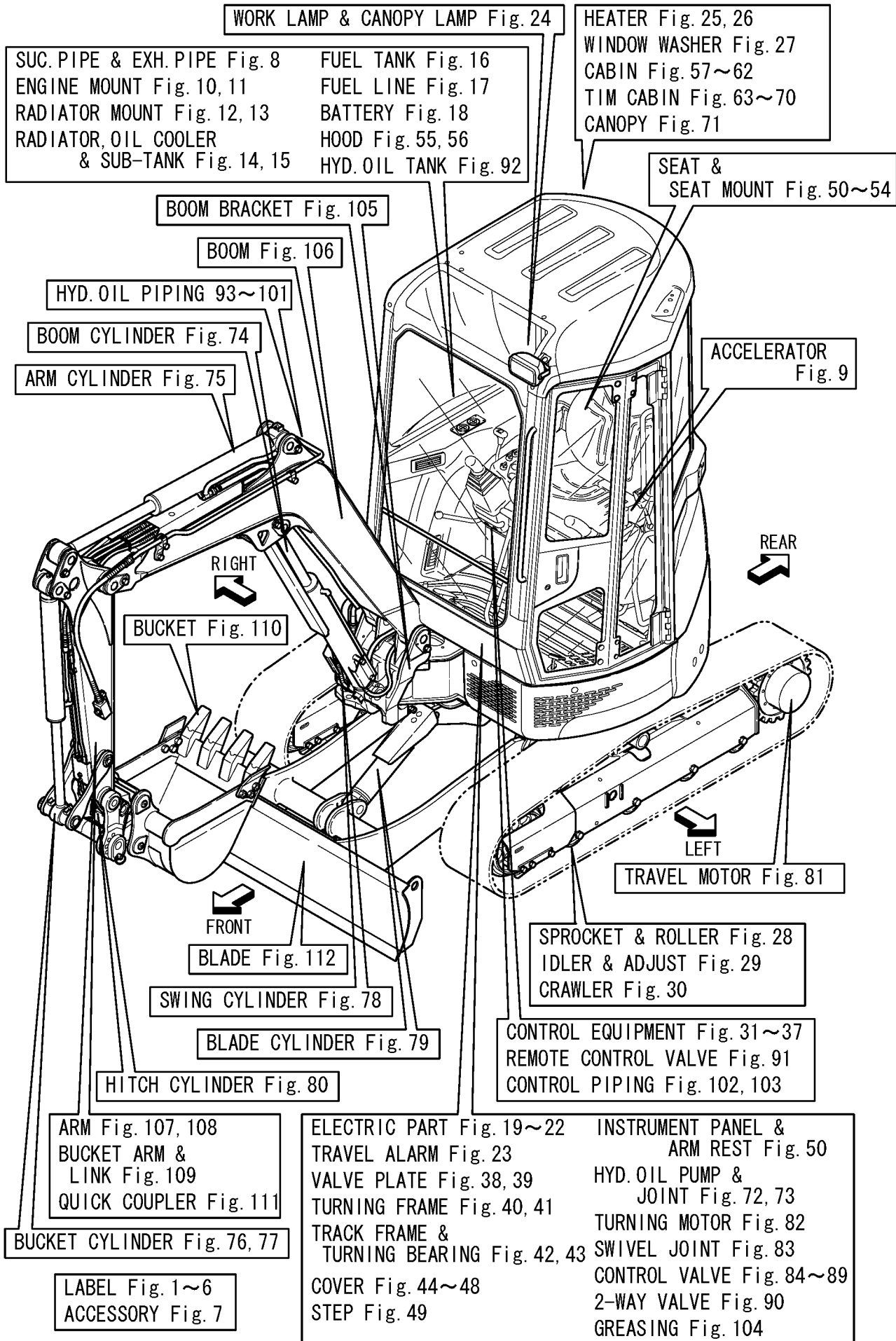
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

# VEHICLE PAINTED COLOR



Color Code	Description	Painted Color	Munsel No.	Paint Part No.		
				16L Can	4L Can	SPRAY
82		YANMAR Deep Green	6. 39BG2. 13/1. 73	981101-09517	977620-40820	977620-30N31
87		YANMAR New Permanent Yellow	5. 15Y8. 45/10. 81	981101-09519	977620-40870	977620-30871
86		YANMAR New Grayaish Green	2. 62BG4. 76/2. 87	981101-09616	977620-40860	977620-30861
72		YANMAR Dark Olive Gray	7. 21Y2. 92/0. 79	-----	977620-40720	TOR-90460003
73		YANMAR Warm Gray	5. 52Y4. 91/1. 09	-----	-----	TOR-90450003
12		YANMAR Black	4. 90PB0. 08/0. 41	-----	TOR-91220001	TOR-90220003
83		YANMAR Grayish Green	2. 15G4. 87/1. 52	981101-09615	977620-40830	977620-30N41
71		YANMAR Charcoal Gray	N-1. 80	981101-09516	977620-40710	977620-30371

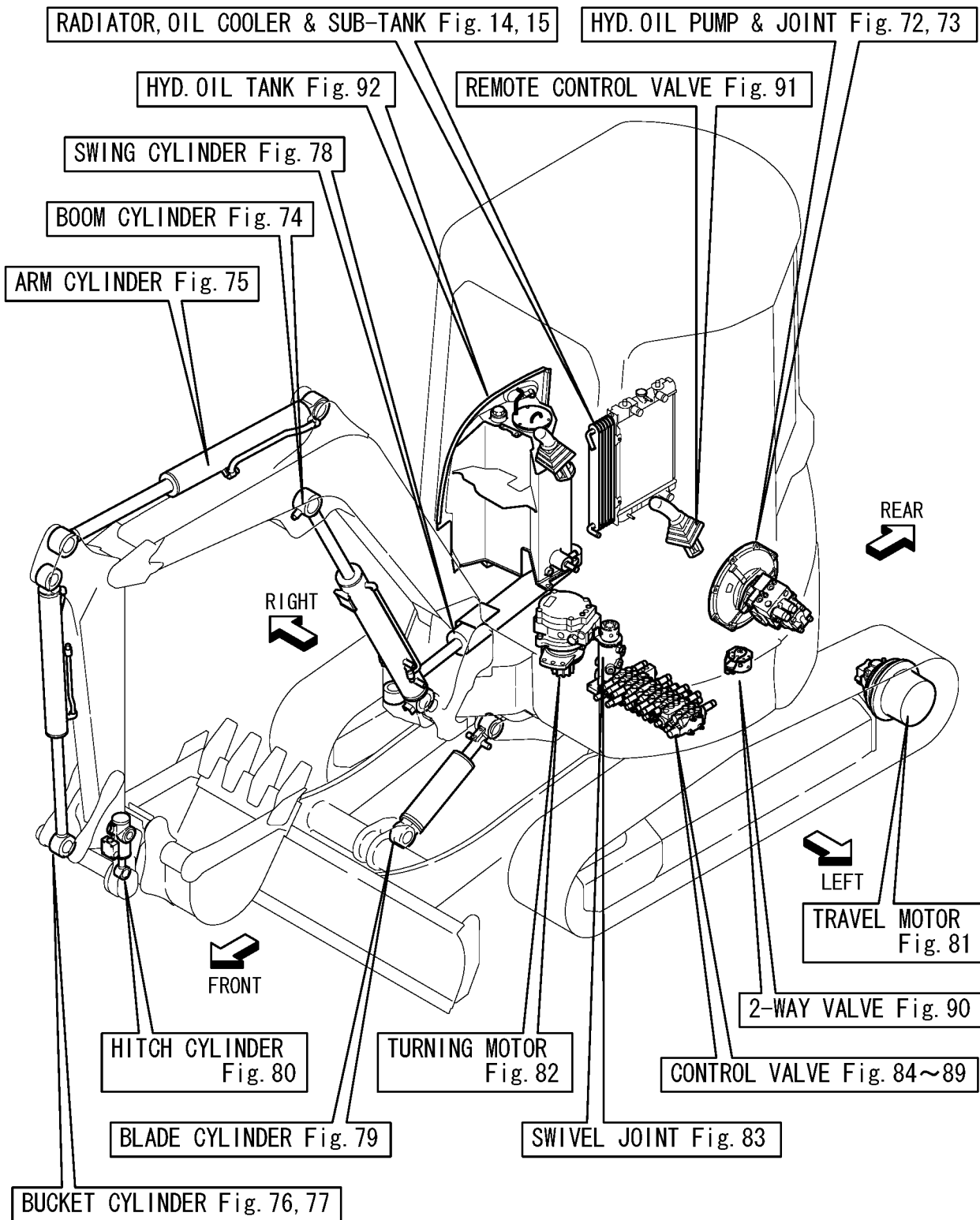
# PICTURESQUE INDEX (1) . . . MAIN PARTS



# PICTURESQUE INDEX (2) · · · HYDRAULIC SECTION

HYD. OIL PIPING Fig. 93~101

CONTROL PIPING Fig. 102, 103



# Contents

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Fig. No. Fig. Name

## LABEL & ACCESSORY

1. LABEL(CABIN)
2. LABEL(CANOPY)
3. LABEL(QUICK COUPLER)
4. SAFETY LABEL(CABIN)
5. SAFETY LABEL(CANOPY)
6. SAFETY LABEL(QUICK COUPLER)
7. ACCESSORY

## ENGINE RELATED

8. SUC.PIPE & EXH.PIPE
9. ACCELERATOR LEVER
10. ENGINE MOUNT(PREVIOUS)
11. ENGINE MOUNT(NEW)
12. RADIATOR MOUNT(PREVIOUS)
13. RADIATOR MOUNT(NEW)
14. RADIATOR,OIL COOLER & SUB-TANK(PREVIOUS)
15. RADIATOR,OIL COOLER & SUB-TANK(NEW)
16. FUEL TANK
17. FUEL LINE

## ELECTRICAL PARTS

18. BATTERY
19. ELECTRIC PART(WIRING:PREVIOUS)
20. ELECTRIC PART(WIRING:NEW)

Fig. No. Fig. Name

21. ELECTRIC PART(INDICATOR BOX)
22. ELECTRIC PART(EQUIPMENT)
23. TRAVEL ALARM
24. WORK LAMP & CANOPY LAMP

## AIR CONDITIONER & HEATER

25. HEATER
26. HEATER HOSE(TIM CABIN)

## TRAVELING

28. SPROCKET & ROLLER
29. IDLER & ADJUST
30. CRAWLER

## CONTROL EQUIPMENT

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32. CONTROL EQUIPMENT(LOCK LEVER & STAND)(LEFT)
33. CONTROL EQUIPMENT(TRAVEL LEVER)
34. CONTROL EQUIPMENT(BLADE LEVER)
35. CONTROL EQUIPMENT(SWING PEDAL)
36. CONTROL EQUIPMENT(LOW-HIGH PEDAL)
37. CONTROL EQUIPMENT(P.T.O.PEDAL)
38. VALVE PLATE(PREVIOUS)
39. VALVE PLATE(NEW)

# Contents

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Fig. No. Fig. Name

## FRAME

- 40. TURNING FRAME(PREVIOUS)
- 41. TURNING FRAME(NEW)
- 42. TRACK FRAME & TURNING BEARING(PREVIOUS)
- 43. TRACK FRAME & TURNING BEARING(NEW)

## COVER

- 44. COVER(FRAME)
- 45. COVER(AROUND THE CONTROL)
- 46. COVER(BOOM)
- 47. COVER(CABIN)
- 48. COVER(CANOPY)

## AROUND SEAT

- 49. STEP
- 50. INSTRUMENT PANEL & ARM REST
- 51. SEAT & SEAT MOUNT(PREVIOUS)
- 52. SEAT & SEAT MOUNT(NEW:CABIN)
- 53. SEAT & SEAT MOUNT(NEW:CANOPY)
- 54. SEAT MOUNT(NEW:TIM CABIN)

## BONNET

- 55. HOOD(1)
- 56. HOOD(2)

Fig. No. Fig. Name

## CABIN

- 27. WINDOW WASHER
- 57. CABIN(BODY)
- 58. CABIN(GLASS)
- 59. CABIN(ACCESSORY)
- 60. CABIN(ELECTRIC PART)
- 61. CABIN DOOR(FRONT)
- 62. CABIN DOOR(REAR)
- 63. TIM CABIN(BODY)
- 64. TIM CABIN(ACCESSORY)
- 65. TIM CABIN(ELECTRIC PART & WIPER)
- 66. TIM CABIN(HEATER & DUCT COVER)
- 67. TIM CABIN(FRONT GLASS)
- 68. TIM CABIN D00R(BODY)
- 69. TIM CABIN DOOR(ACCESSORY)
- 70. TIM CABIN(PACKAGE)

## CANOPY

- 71. CANOPY

## HYDRAULIC OIL EQUIPMENT

- 72. HYD.OIL PUMP & JOINT(STANDARD SPEC.)
- 73. HYD.OIL PUMP & JOINT(QUICK COUPLER SPEC.)
- 74. BOOM CYLINDER
- 75. ARM CYLINDER



# Contents

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Fig. No. Fig. Name

- 76. BUCKET CYLINDER(STANDARD SPEC.)
- 77. BUCKET CYLINDER(QUICK COUPLER SPEC.)
- 78. SWING CYLINDER
- 79. BLADE CYLINDER
- 80. HITCH CYLINDER(QUICK COUPLER SPEC.)
- 81. TRAVEL MOTOR
- 82. TURNING MOTOR
- 83. SWIVEL JOINT
- 84. CONTROL VALVE(1/6)
- 85. CONTROL VALVE(2/6)
- 86. CONTROL VALVE(3/6)
- 87. CONTROL VALVE(4/6)
- 88. CONTROL VALVE(5/6)
- 89. CONTROL VALVE(6/6)
- 90. 2-WAY VALVE
- 91. REMOTE CONTROL VALVE
- 92. HYD.OIL TANK

## HYDRAULIC OIL PIPING

- 93. HYD.OIL PIPING(TANK-PUMP-CONTROL VALVE)
- 94. HYD.OIL PIPING(PUMP,CONTROL VALVE-TURNING MOTOR)
- 95. HYD.OIL PIPING(CONTROL VALVE-SWIVEL JOINT,SWING CYLINDER)
- 96. HYD.OIL PIPING(RETURN)
- 97. HYD.OIL PIPING(P.T.O. : FRAME END)
- 98. HYD.OIL PIPING(TRACK FRAME)

Fig. No. Fig. Name

- 99. HYD.OIL PIPING(BOOM)
- 100. HYD.OIL PIPING(P.T.O. : ARM END)
- 101. HYD.OIL PIPING(QUICK COUPLER)
- 102. CONTROL PIPING(RETURN)
- 103. CONTROL PIPING(REMOTE CONTROL V.-2WAY V.-CONTROL V.)
- 104. GREASING

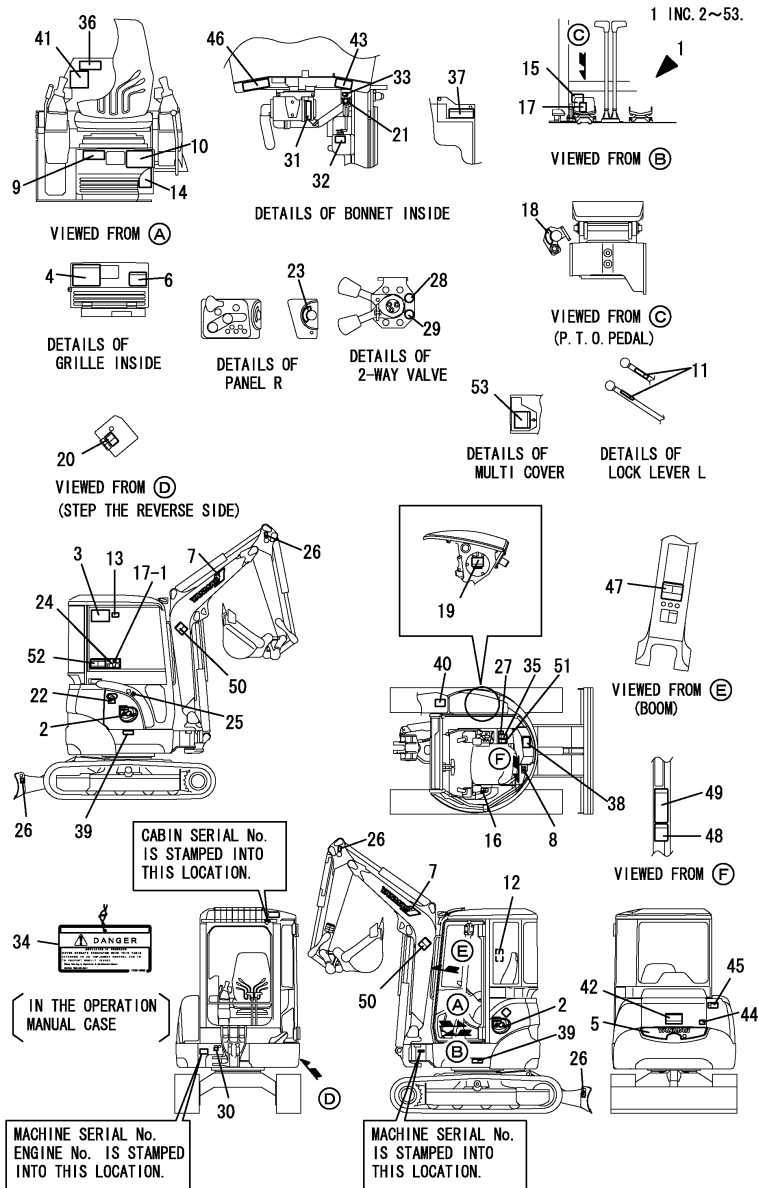
## IMPLEMENT

- 105. BOOM BRACKET
- 106. BOOM
- 107. ARM(STANDARD SPEC.)
- 108. ARM(QUICK COUPLER SPEC.)
- 109. BUCKET ARM & LINK
- 110. BUCKET
- 111. QUICK COUPLER(QUICK COUPLER SPEC.)
- 112. BLADE

Fig.1. LABEL(CABIN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



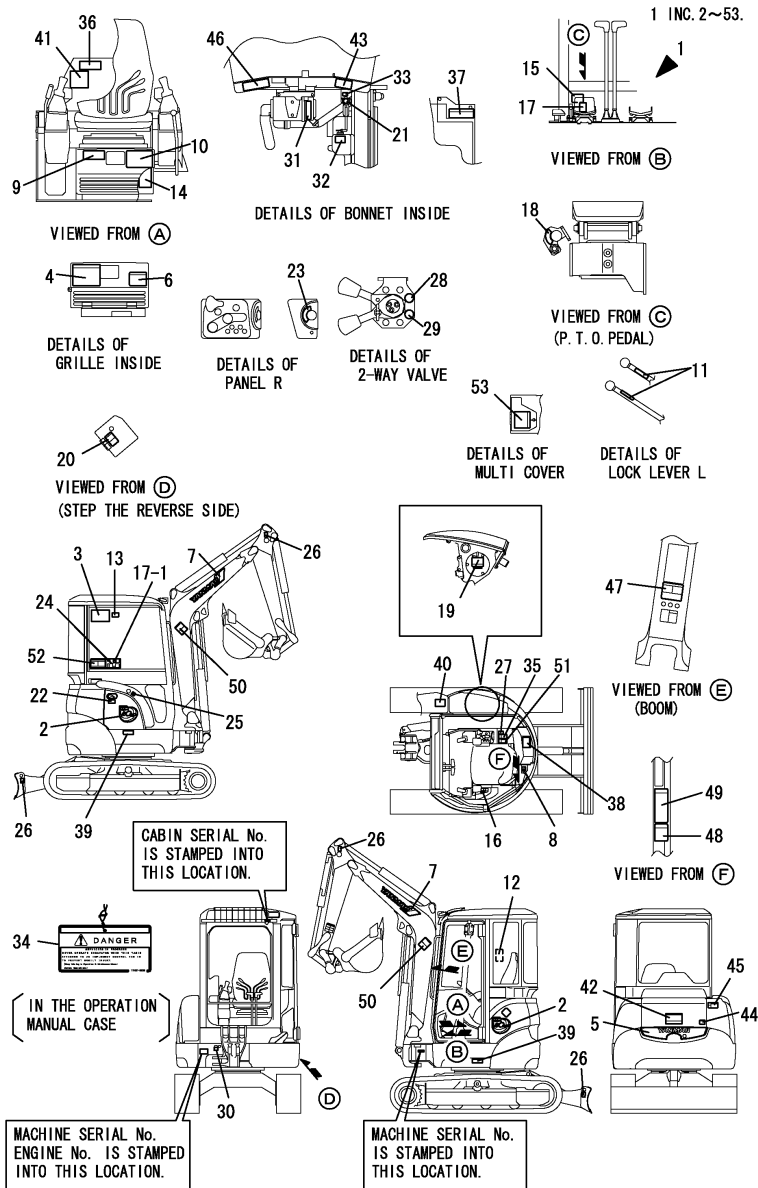
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772472-03120	LABEL ST C(VIO27-2US	1							
1-1	1	772472-03121	LABEL ST C(VIO27-2US	1	1		1				N
(A=M/#25676)											
2	2	172472-03120	LABEL,VIO27	2	2		2				
3	2	172472-03130	LABEL,LIFT US	1							1
4	2	172472-03150	LABEL,OIL&WATER	1	1		1				
5	2	172458-03160	LABEL, REAR	1	1		1				
6	2	172472-03160	LABEL,GREASE	1	1		1				
7	2	172171-03261	LABEL,BOOM	2	2		2				
8	2	172472-03180	LABEL,VENTILATION	1	1		1				2
9	2	172472-03190	LABEL,SPEC C US	1							
9-1	2	172472-03191	LABEL,SPEC C US	1	1		1				N
(A=M/#21120)											
10	2	172472-03200	LABEL,SUPORT C US	1	1		1				
11	2	172183-03280	LABEL,LOCK	1	1		1				
12	2	172463-03320	LABEL,F/W LOWER US	1	1		1				2
13	2	172437-03550	LABEL,WINDOW	1	1		1				
14	2	172472-03170	LABEL,FUSE	1							
14-1	2	172472-03171	LABEL,FUSE US	1	1		1				R
(A=M/#25676)											
15	2	172147-03210	LABEL,2 SPEED	1							Z
(A=M/#25532)											
16	2	172458-03220	LABEL,ACCELERATOR	1	1		1				
17	2	172165-03231	LABEL, P.T.O.	1							
17-1	2	172496-03250	LABEL, P.T.O.	1	1		1				N
(A=M/#25532)											
18	2	172458-03240	LABEL,LOCK	1	1		1				
19	2	172463-03290	LABEL,HYD.OIL US	1	1		1				
20	2	172438-03300	LABEL	1	1		1				
21	2	172462-03320	LABEL	1	1		1				
22	2	172463-03330	LABEL,COVER	1	1		1				
23	2	172141-03360	LABEL, START SWITCH	1	1		1				
24	2	172149-03430	LABEL	1							
24-1	2	172490-03200	LABEL	1	1		1				N
(A=M/#25532)											
25	2	172437-03500	LABEL,FUEL	1	1		1				
26	2	172437-03510	LABEL,HOOK	4	4		4				
27	2	172437-03530	LABEL,RE-START	1	1		1				
28	2	172437-03610	LABEL	1	1		1				
29	2	172437-03620	LABEL	1	1		1				
30	2	172157-03740	LABEL	1	1		1				
31	2	172125-03950	LABEL, AIR CLEANER	1	1		1				
32	2	124764-44810	LABEL,SUB-TANK	1	1		1				
33	2	124764-44920	LABEL, ANTI-FREEZING	1	1		1				
34	2	172437-03250	TAG ASSY, CAUTION	1	1		1				
35	2	172437-03300	LABEL,MANUAL	1	1		1				
36	2	172437-03310	LABEL,SLOPE	1	1		1				
37	2	172437-03320	LABEL,HYD.OIL TANK	1							
37-1	2	172437-03321	LABEL,HYD.OIL TANK	1	1		1				R
(A=M/#21242)											
38	2	172437-03340	LABEL,TRANSPORT	1							

Remarks  
 (1)NOT APPLIED FOR QUICK COUPLER & TIM CABIN SPEC.  
 (2)NOT APPLIED FOR TIM CABIN SPEC.  
 (3)RUBBER CRAWLER SPEC.

Fig.1. LABEL(CABIN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38-1	2	172437-03341 (A=M/#21242)	LABEL,TRANSPORT	1	1		1				R
39	2	172437-03351	LABEL,GREASE CYL.	2	2		2				
40	2	172437-03360	LABEL,BATTERY	1	1		1				
41	2	172437-03371	LABEL	1	1		1				
42	2	172437-03380	LABEL,SWING AREA	1	1		1				
43	2	172437-03390	LABEL,RADIATOR	1	1		1				
44	2	172437-03400	LABEL,ENG.HOOD	1							
44-1	2	172437-03401 (A=M/#21242)	LABEL (ENG COVER US	1	1		1				R
45	2	172437-03410	LABEL,ENG.ROOM	1							
45-1	2	172437-03411 (A=M/#21242)	LABEL (ENG ROOM US	1	1		1				R
46	2	172437-03421	LABEL,MUFFLER	1	1		1				
47	2	172437-03431	LABEL,STEERING	1	1		1				
48	2	172437-03440	LABEL,ROPS	1	1		1				
49	2	172437-03450	LABEL,SEAT BELT	1	1		1				
50	2	172437-03460	LABEL,BOOM	2	2		2				
51	2	172437-03470	LABEL,LEVER LOCK	1	1		1				
52	2	172437-03600	LABEL	1	1		1				
53	2	172437-03241	LABEL,CRAWLER	1	1		1				3

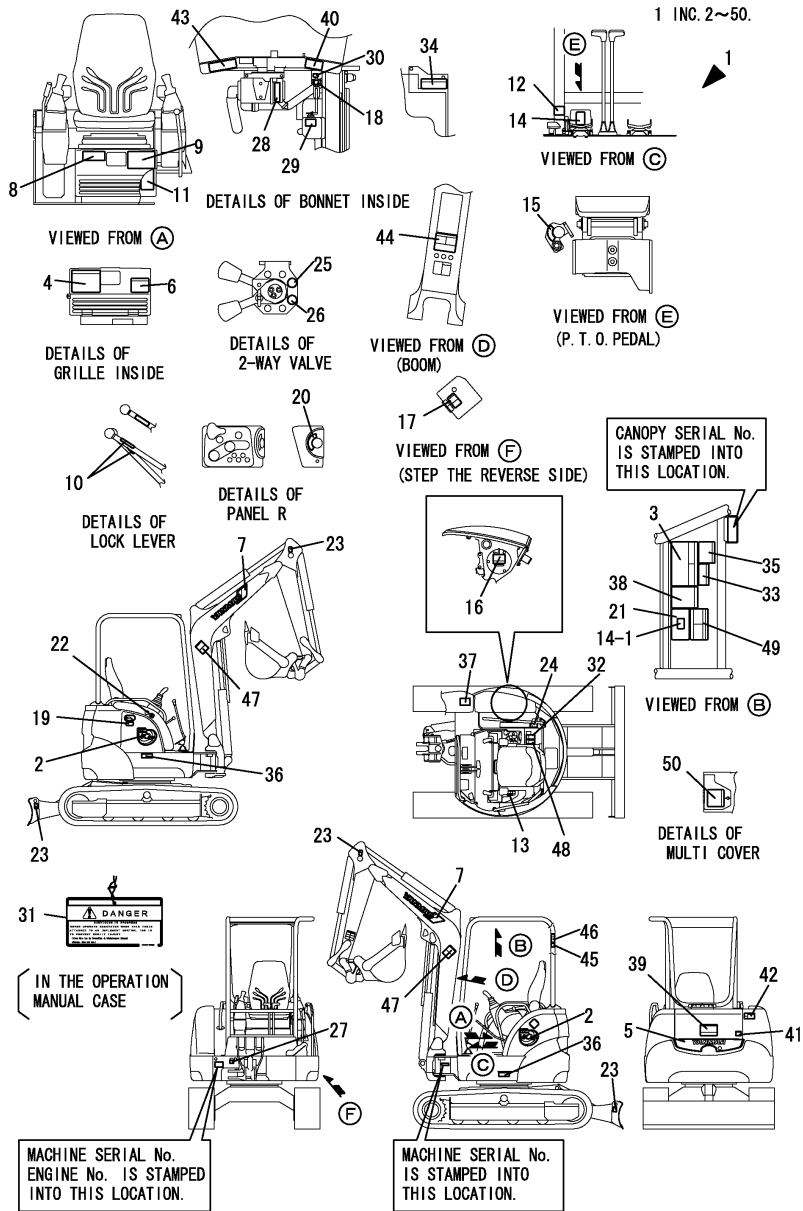
Remarks

- (1)NOT APPLIED FOR QUICK COUPLER & TIM CABIN SPEC.
- (2)NOT APPLIED FOR TIM CABIN SPEC.
- (3)RUBBER CRAWLER SPEC.

Fig.2. LABEL(CANOPY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



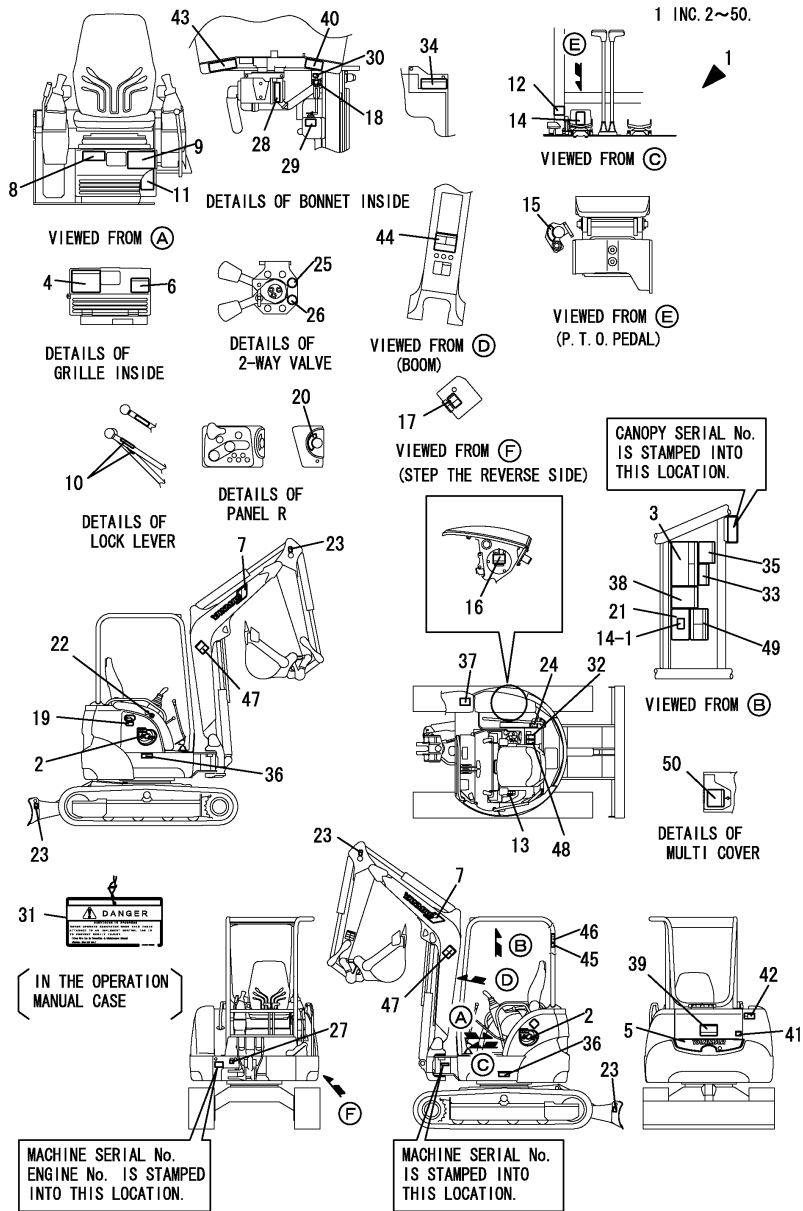
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772472-03110	LABEL ST P(VIO27-2US	1							
1-1	1	772472-03111	LABEL ST P(VIO27-2US	1			1			1	N
				(B=M/#25676)							
2	2	172472-03120	LABEL,VIO27	2			2			2	
3	2	172472-03130	LABEL,LIFT US	1							1
4	2	172472-03150	LABEL,OIL&WATER	1			1			1	
5	2	172458-03160	LABEL, REAR	1			1			1	
6	2	172472-03160	LABEL,GREASE	1			1			1	
7	2	172171-03261	LABEL,BOOM	2			2			2	
8	2	172472-03110	LABEL,SPECIFICATION	1							
8-1	2	172472-03111	LABEL,SPECIFICATION	1			1			1	N
				(B=M/#21120)							
9	2	172472-03140	LABEL,SUPORT US	1			1			1	
10	2	172183-03280	LABEL,LOCK	2			2			2	
11	2	172472-03170	LABEL,FUSE	1							
11-1	2	172472-03171	LABEL,FUSE US	1			1			1	R
				(B=M/#25676)							
12	2	172147-03210	LABEL,2 SPEED	1							Z
				(B=M/#25676)							
13	2	172458-03220	LABEL,ACCELERATOR	1			1			1	
14	2	172165-03231	LABEL, P.T.O.	1							
14-1	2	172496-03250	LABEL, P.T.O.	1			1			1	N
				(B=M/#25676)							
15	2	172458-03240	LABEL,LOCK	1			1			1	
16	2	172463-03290	LABEL,HYD.OIL US	1			1			1	
17	2	172438-03300	LABEL	1			1			1	
18	2	172462-03320	LABEL	1			1			1	
19	2	172463-03330	LABEL,COVER	1			1			1	
20	2	172141-03360	LABEL, START SWITCH	1			1			1	
21	2	172149-03430	LABEL	1							
21-1	2	172490-03200	LABEL	1			1			1	N
				(B=M/#25676)							
22	2	172437-03500	LABEL,FUEL	1			1			1	
23	2	172437-03510	LABEL,HOOK	4			4			4	
24	2	172437-03530	LABEL,RE-START	1			1			1	
25	2	172437-03610	LABEL	1			1			1	
26	2	172437-03620	LABEL	1			1			1	
27	2	172157-03740	LABEL	1			1			1	
28	2	172125-03950	LABEL, AIR CLEANER	1			1			1	
29	2	124764-44810	LABEL,SUB-TANK	1			1			1	
30	2	124764-44920	LABEL, ANTI-FREEZING	1			1			1	
31	2	172437-03250	TAG ASSY, CAUTION	1			1			1	
32	2	172437-03300	LABEL,MANUAL	1			1			1	
33	2	172437-03310	LABEL,SLOPE	1			1			1	
34	2	172437-03320	LABEL,HYD.OIL TANK	1							
34-1	2	172437-03321	LABEL,HYD.OIL TANK	1			1			1	R
				(B=M/#21242)							
35	2	172437-03340	LABEL,TRANSPORT	1							
35-1	2	172437-03341	LABEL,TRANSPORT	1			1			1	R
				(B=M/#21242)							
36	2	172437-03351	LABEL,GREASE CYL.	2			2			2	

Remarks  
 (1)NOT APPLIED FOR QUICK COUPLER SPEC.  
 (2)RUBBER CRAWLER SPEC.

Fig.2. LABEL(CANOPY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

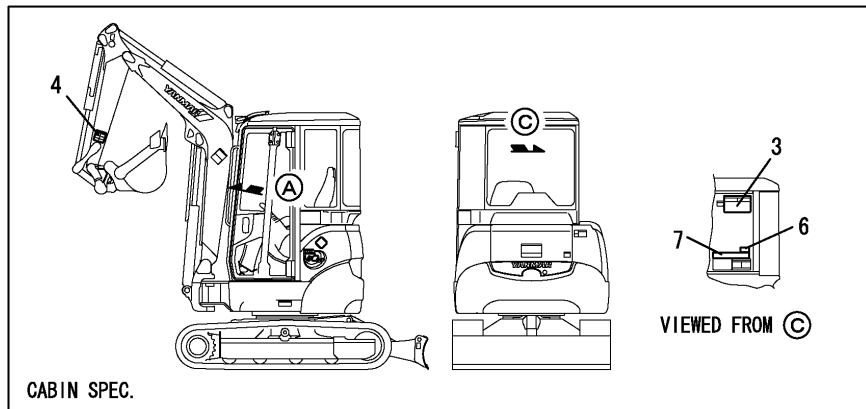
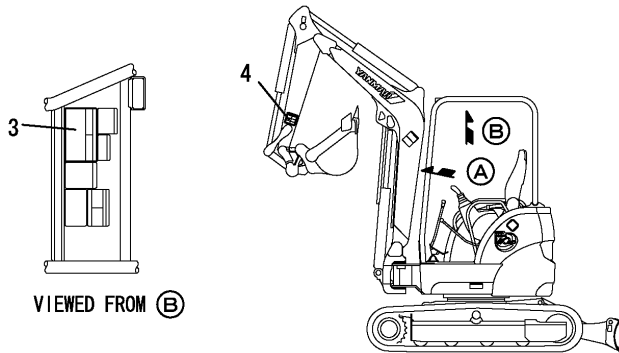
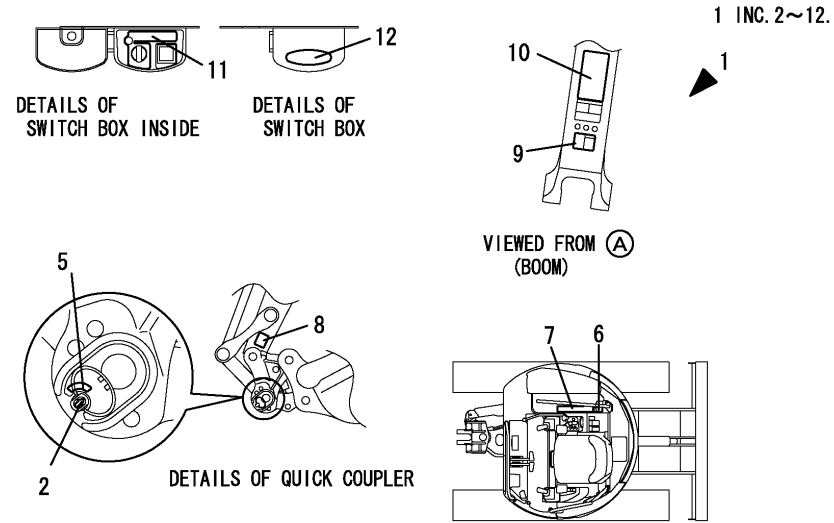


No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
37	2	172437-03360	LABEL,BATTERY	1			1					
38	2	172437-03371	LABEL	1			1					
39	2	172437-03380	LABEL,SWING AREA	1			1					
40	2	172437-03390	LABEL,RADIATOR	1			1					
41	2	172437-03400	LABEL,ENG.HOOD	1								
41-1	2	172437-03401	LABEL (ENG COVER US	1			1			1		R
(B=M/#21242)												
42	2	172437-03410	LABEL,ENG.ROOM	1								
42-1	2	172437-03411	LABEL (ENG ROOM US	1			1			1		R
(B=M/#21242)												
43	2	172437-03421	LABEL,MUFFLER	1			1			1		
44	2	172437-03431	LABEL,STEERING	1			1			1		
45	2	172437-03440	LABEL,ROPS	1			1			1		
46	2	172437-03450	LABEL,SEAT BELT	1			1			1		
47	2	172437-03460	LABEL, BOOM	2			2			2		
48	2	172437-03470	LABEL,LEVER LOCK	1			1			1		
49	2	172437-03600	LABEL	1			1			1		
50	2	172437-03241	LABEL,CRAWLER	1			1			1		2

Remarks

- (1)NOT APPLIED FOR QUICK COUPLER SPEC.
- (2)RUBBER CRAWLER SPEC.

Fig.3. LABEL(QUICK COUPLER)



(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

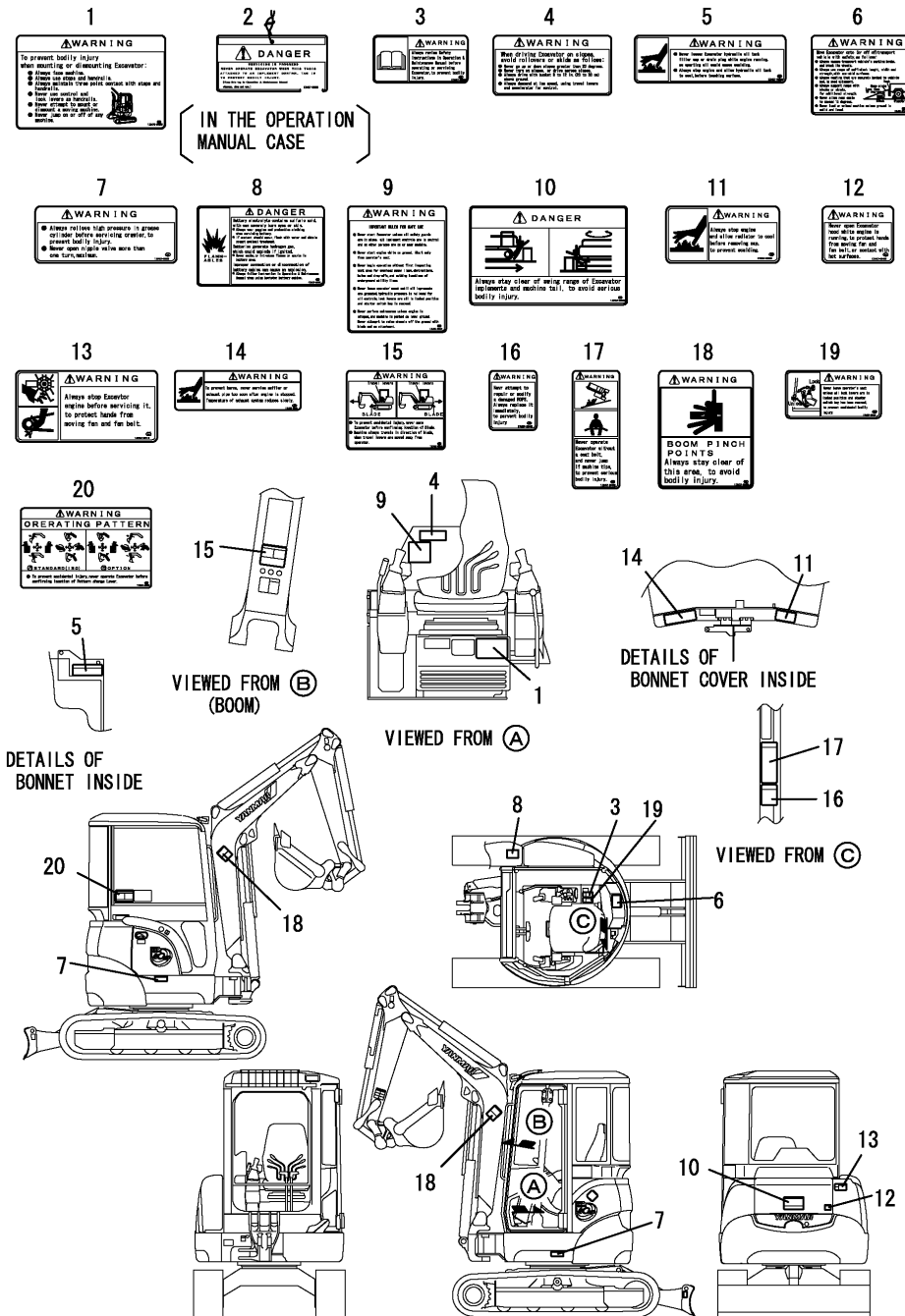
(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772472-03150	LABEL ST Q(VIO27-2US	1	1						
1-1	1	772472-03151	LABEL ST Q(VIO27-2US	1	1	1	1	1	1	1	N
(A=M/#21064) (B=M/#21064)											
2	2	172958-03160	LABEL	1	1	1	1	1	1	1	
3	2	172472-03220	LABEL,LIFT	1	1						
3-1	2	172472-03221	LABEL, LIFT Q US	1	1	1	1	1	1	1	N
(A=M/#21064) (B=M/#21064)											
4	2	172472-03230	LABEL,OPERATION PIN	1	1	1	1	1	1	1	
5	2	172458-03240	LABEL,LOCK	1	1	1	1	1	1	1	
6	2	172472-03240	LABEL,PIN US	1	1	1	1	1	1	1	
7	2	172472-03250	LABEL,OPERATION Q US	1	1	1	1	1	1	1	
8	2	172472-03260	LABEL,FINGER	1	1	1	1	1	1	1	
9	2	172472-03270	LABEL,SAND US	1	1	1	1	1	1	1	
10	2	172472-03280	LABEL	1	1	1	1	1	1	1	
11	2	172472-03290	LABEL,SWITCH	1	1	1	1	1	1	1	
12	2	172472-03300	LABEL,COVER	1	1	1	1	1	1	1	

Fig.4. SAFETY LABEL(CABIN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

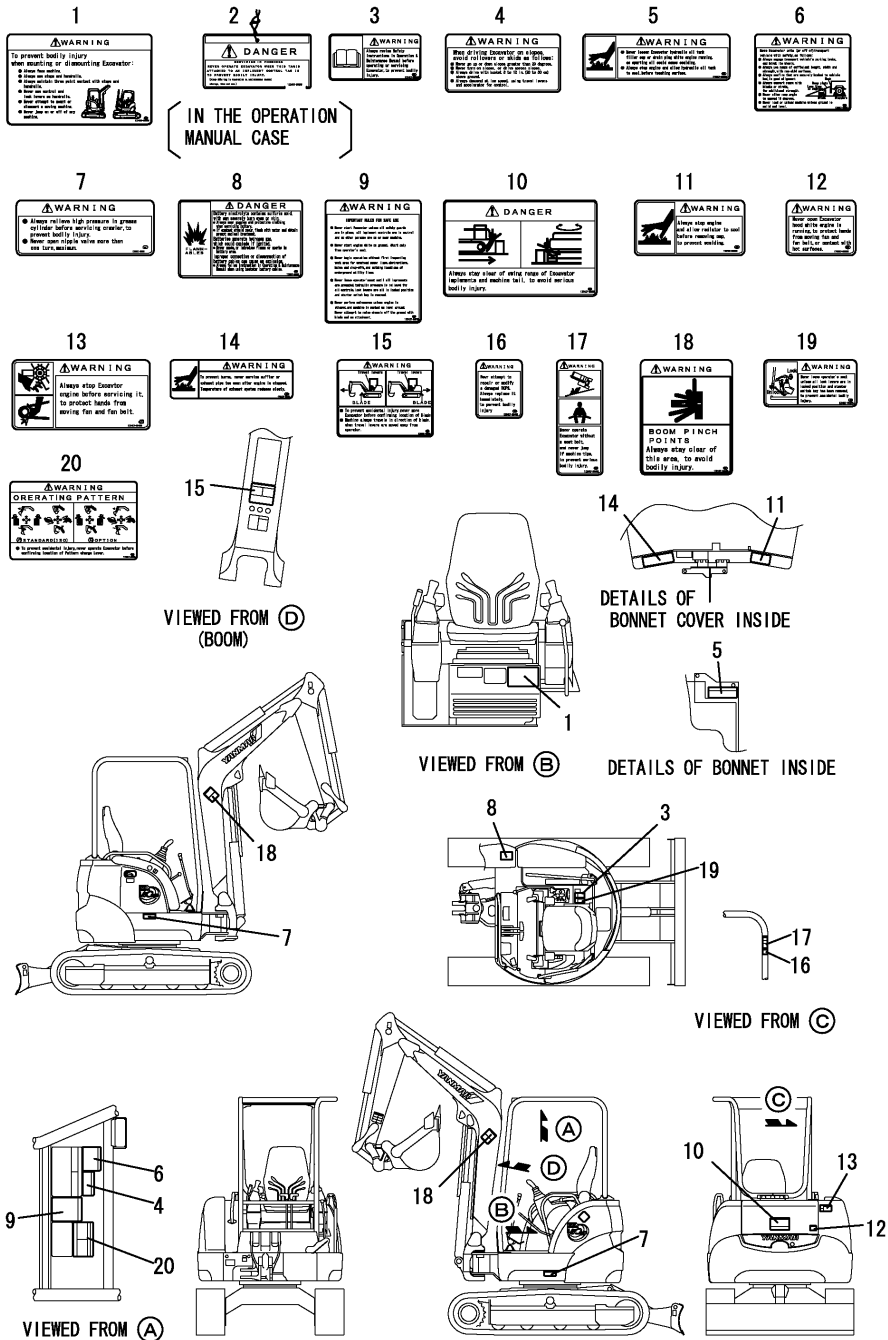


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-03200	LABEL,SUPORT C US	2							
1-1	1	172472-03200	LABEL,SUPORT C US	1		1		1			K
(A=M/#20793)											
2	1	172437-03250	TAG ASSY, CAUTION	1	1			1			
3	1	172437-03300	LABEL,MANUAL	1		1		1			
4	1	172437-03310	LABEL,SLOPE	1		1		1			
5	1	172437-03320	LABEL,HYD.OIL TANK	1							
5-1	1	172437-03321	LABEL,HYD.OIL TANK	1		1		1			R
(A=M/#21242)											
6	1	172437-03340	LABEL,TRANSPORT	1		1		1			
6-1	1	172437-03341	LABEL,TRANSPORT	1		1		1			R
(A=M/#21242)											
7	1	172437-03351	LABEL,GREASE CYL.	2		2		2			
8	1	172437-03360	LABEL,BATTERY	1		1		1			
9	1	172437-03371	LABEL	1		1		1			
10	1	172437-03380	LABEL,SWING AREA	1		1		1			
11	1	172437-03390	LABEL,RADIATOR	1		1		1			
12	1	172437-03400	LABEL,ENG.HOOD	1							
12-1	1	172437-03401	LABEL (ENG COVER US)	1		1		1			R
(A=M/#21242)											
13	1	172437-03410	LABEL,ENG.ROOM	1							
13-1	1	172437-03411	LABEL (ENG ROOM US)	1		1		1			R
(A=M/#21242)											
14	1	172437-03421	LABEL,MUFFLER	1		1		1			
15	1	172437-03431	LABEL,STEERING	1		1		1			
16	1	172437-03440	LABEL,ROPS	1		1		1			
17	1	172437-03450	LABEL,SEAT BELT	1		1		1			
18	1	172437-03460	LABEL,BOOM	2		2		2			
19	1	172437-03470	LABEL,LEVER LOCK	1		1		1			
20	1	172437-03600	LABEL	1		1		1			

Fig.5. SAFETY LABEL(CANOPY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-03140	LABEL,SUPORT US		2						
1-1	1	172472-03140	LABEL,SUPORT US (B=M/#20793)		1		1			1	K
2	1	172437-03250	TAG ASSY, CAUTION		1		1			1	
3	1	172437-03300	LABEL,MANUAL		1		1			1	
4	1	172437-03310	LABEL,SLOPE		1		1			1	
5	1	172437-03320	LABEL,HYD.OIL TANK		1						
5-1	1	172437-03321	LABEL,HYD.OIL TANK (B=M/#21242)		1		1			1	R
6	1	172437-03340	LABEL,TRANSPORT		1						
6-1	1	172437-03341	LABEL,TRANSPORT (B=M/#21242)		1						R
7	1	172437-03351	LABEL,GREASE CYL.		2		2			2	
8	1	172437-03360	LABEL,BATTERY		1		1			1	
9	1	172437-03371	LABEL		1		1			1	
10	1	172437-03380	LABEL,SWING AREA		1		1			1	
11	1	172437-03390	LABEL,RADIATOR		1		1			1	
12	1	172437-03400	LABEL,ENG.HOOD		1						
12-1	1	172437-03401	LABEL (ENG COVER US) (B=M/#21242)		1		1			1	R
13	1	172437-03410	LABEL,ENG.ROOM		1						
13-1	1	172437-03411	LABEL (ENG ROOM US) (B=M/#21242)		1		1			1	R
14	1	172437-03421	LABEL,MUFFLER		1		1			1	
15	1	172437-03431	LABEL,STEERING		1		1			1	
16	1	172437-03440	LABEL,ROPS		1		1			1	
17	1	172437-03450	LABEL,SEAT BELT		1		1			1	
18	1	172437-03460	LABEL,BOOM		2		2			2	
19	1	172437-03470	LABEL,LEVER LOCK		1		1			1	
20	1	172437-03600	LABEL		1		1			1	

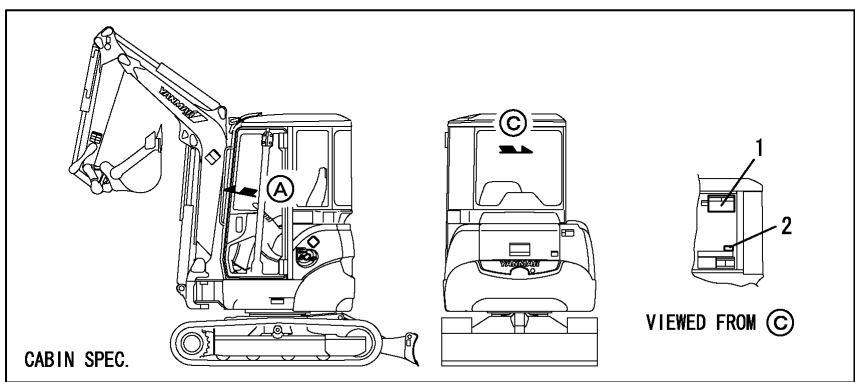
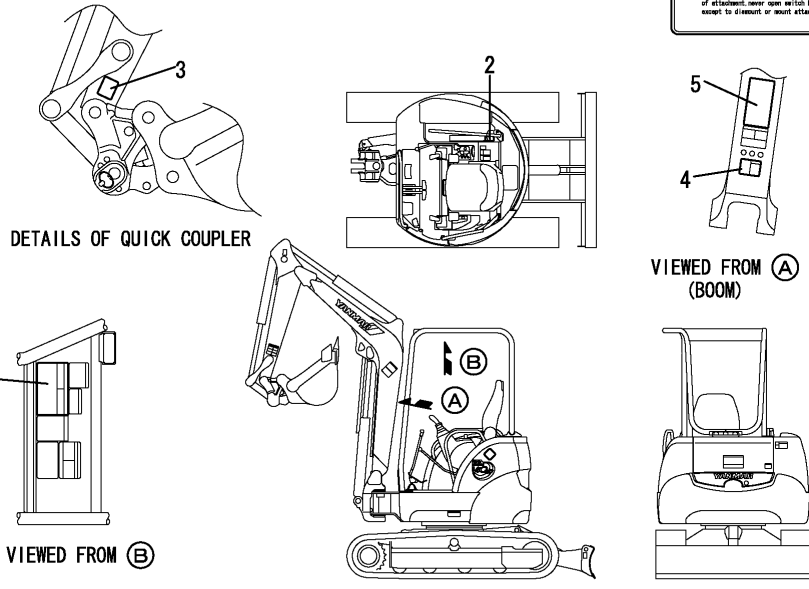
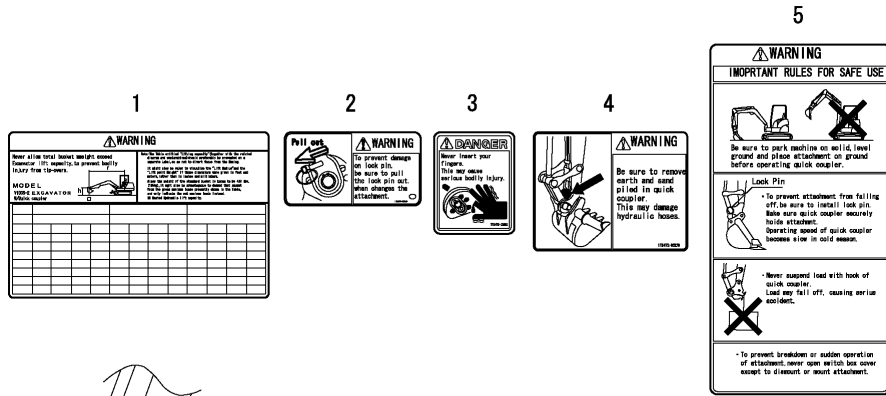


Fig.6. SAFETY LABEL(QUICK COUPLER)

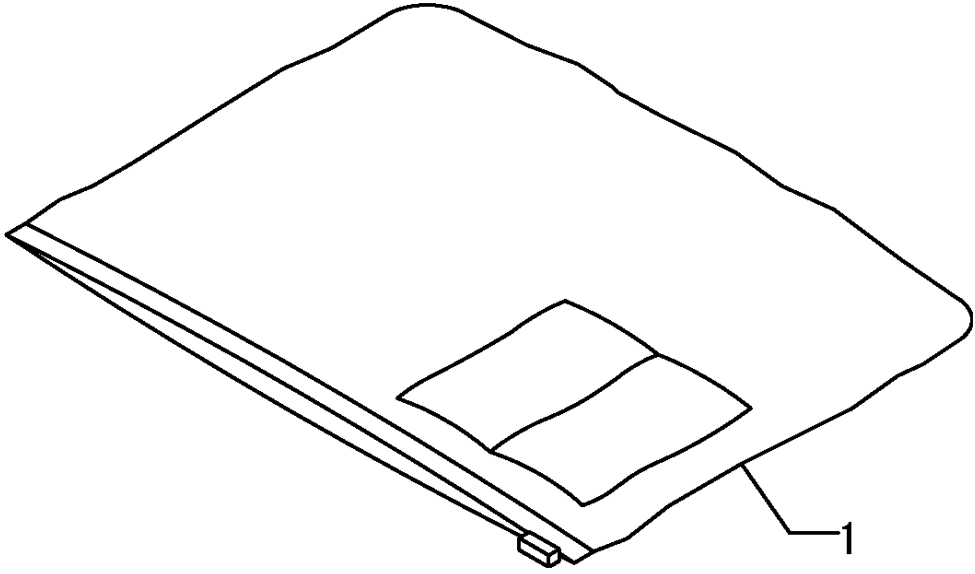
(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-03220	LABEL,LIFT	1	1						
1-1	1	172472-03221	LABEL, LIFT Q US	1	1	1	1	1	1	1	N
				(A=M/#21064)		(B=M/#21064)					
2	1	172472-03240	LABEL,PIN US	1	1	1	1	1	1	1	
3	1	172472-03260	LABEL,FINGER	1	1	1	1	1	1	1	
4	1	172472-03270	LABEL,SAND US	1	1	1	1	1	1	1	
5	1	172472-03280	LABEL	1	1	1	1	1	1	1	



# Fig.7. ACCESSORY



(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

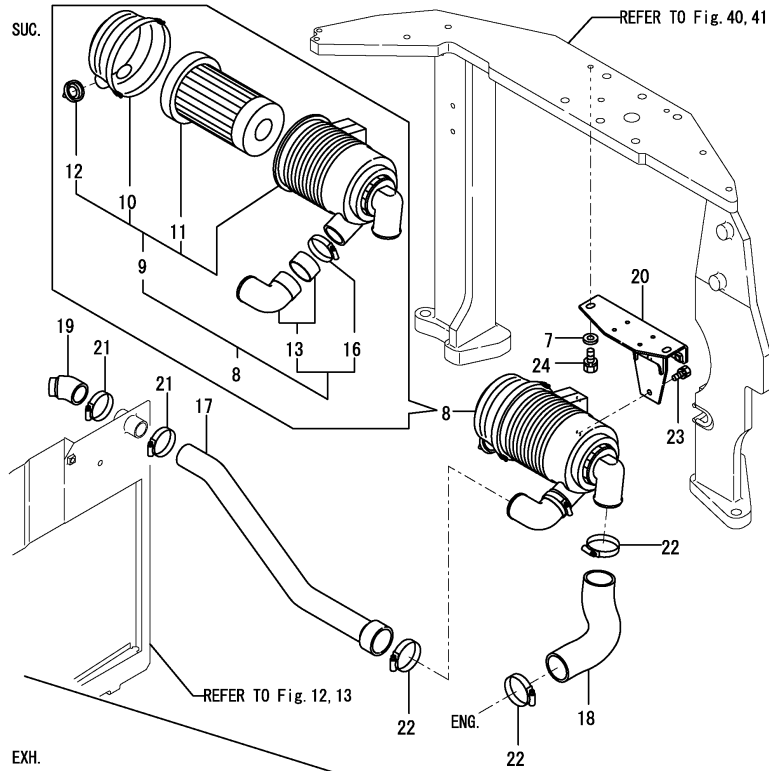
(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

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


Fig.8. SUC.PIPE & EXH.PIPE

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



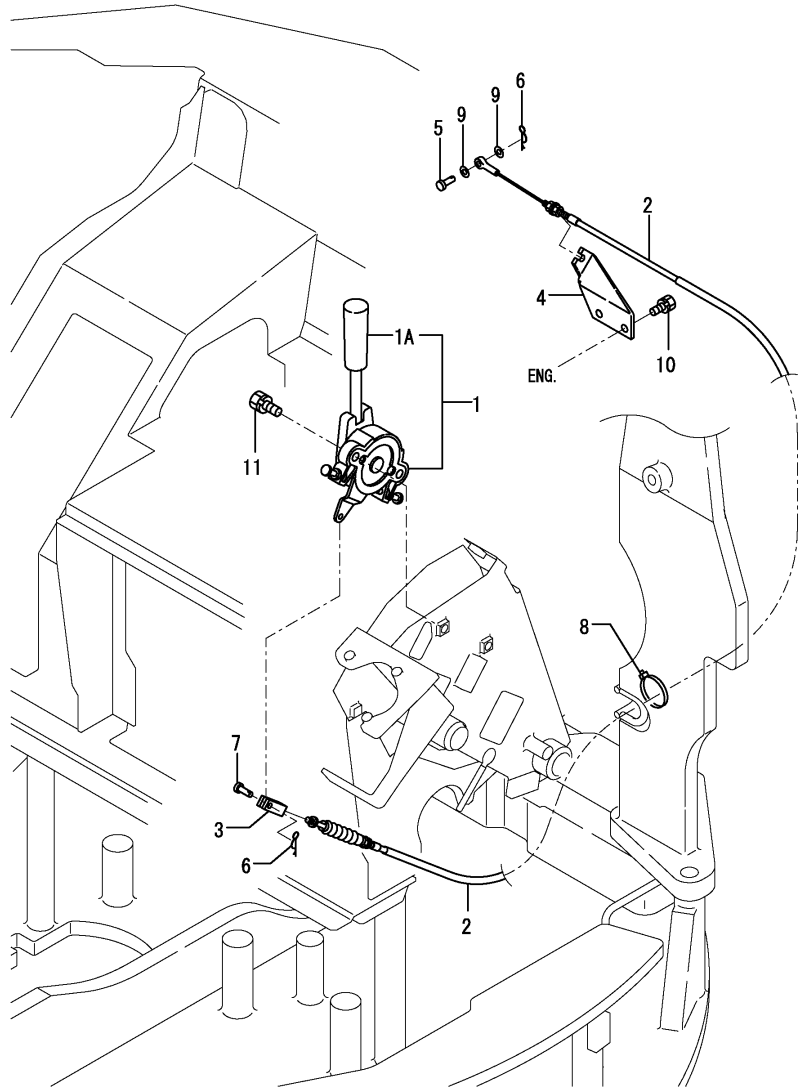
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-11310	CLAMP	1	1	1	1	1	1		
2	1	172458-11310	PIPE, EXTENSION	1	1	1	1	1	1		
3	1	22117-080000	WASHER, 8	1	1	1	1	1	1		
4	1	22217-080000	WASHER, SPRING 8	1	1	1	1	1	1		
5	1	26106-080552	BOLT, M8X 55 PLATED	1	1	1	1	1	1		
6	1	26706-080002	NUT, M8	1	1	1	1	1	1		
7	1	194145-04810	WASHER 10	2	2	2	2	2	2		
8	1	172458-11500	CLEANER ASSY, AIR	1	1	1	1	1	1		
9	2	172458-11530	CLEANER, AIR	1	1	1	1	1	1		1
10	3	172458-11650	COVER ASSY	1	1	1	1	1	1		
11	3	129619-12520	ELEMENT	1	1						M
11-1	3	119808-12520	ELEMENT	1	1	1	1	1	1		
12	3	119808-12540	VALVE, UNLOADER	1	1	1	1	1	1		
13	2	129612-12560	ELBOW	1	1	1	1	1	1		
16	2	23000-060000	CLAMP, 60	1	1	1	1	1	1		
17	1	172458-11510	HOSE,SUC. A	1	1	1	1	1	1		
18	1	172458-11520	HOSE,SUC. B	1	1	1	1	1	1		
19	1	172458-11540	HOSE,SUC. C	1	1	1	1	1	1		
20	1	172458-11550	BRACKET,AIR CLEANER	1	1						
20-1	1	172458-11551	BRACKET, AIR CLEANER	1	1	1	1	1	1		R
		(A=M/#25723) (B=M/#25723)									
21	1	23000-048000	CLAMP, 48	2	2	2	2	2	2		
22	1	23000-070000	CLAMP, 70	3	3	3	3	3	3		
23	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
24	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		
25A	1	172125-03950	LABEL, AIR CLEANER	1	1	1	1	1	1		2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.25A  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (M)MISPRINT.

Fig.9. ACCELERATOR LEVER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-12100	LEVER,ACCELERATOR	1	1	1	1	1	1		
1A	2	172A79-12150	GRIP	1	1	1	1	1	1		W
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX)		(E=MXXXXX)		(F=MXXXXX)					
2	1	172456-12111	CABLE, ACCELERATOR	1	1	1	1	1	1		
3	1	172137-12270	JOINT, CABLE	1	1	1	1	1	1		
4	1	172141-12280	CLAMP, WIRE	1	1	1	1	1	1		
5	1	172113-12522	PIN	1	1	1	1	1	1		
6	1	1C6281-52310	PIN, SNAP 6	2	2	2	2	2	2		
7	1	1A1040-56900	PIN, 6X17	1	1	1	1	1	1		
8	1	172122-79930	CLAMP, HOSE	1	1	1	1	1	1		
9	1	22137-060000	WASHER, 6	2	2	2	2	2	2		
10	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
11	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		

Fig.10. ENGINE MOUNT(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	196420-02310	ABSORBER, SHOCK 230	2	2						
2	1	172146-13101	BRACKET (73)	1	1						
3	1	172175-13100	BRACKET	1	1						
4	1	172458-13100	MOUNT,ENGINE	1	1						
5	1	172458-13110	MOUNT,ENGINE	1	1						
6	1	172458-13120	BRACKET,ENGINE (73)	2	2						
7	1	172168-13150	BRACKET,ENGINE (73)	2	2						
8	1	172162-13200	BOLT M10X30	8	8						
9	1	172124-13230-3	STOPPER, ENGINE	4	4						
10	1	172168-13250	ABSORBER,SHOCK 180	2	2						
11	1	172137-46040	SEAT, SPRING	8	8						
12	1	22217-100000	WASHER, SPRING 10	8	8						
13	1	22217-120000	WASHER, SPRING 12	6	6						
14	1	22217-120000	WASHER, SPRING 12	4	4						
15	1	22217-120000	WASHER, SPRING 12	8	8						
16	1	22217-120000	WASHER, SPRING 12	4	4						
17	1	26013-100252	BOLT, M10X 25	8	8						
18	1	26076-120352	BOLT, 10.912X 35	4	4						
19	1	26076-120352	BOLT, 10.912X 35	4	4						
20	1	26076-120402	BOLT, 10.912X 40	6	6						
21	1	26716-120002	NUT, M12	8	8						

~M/#21239

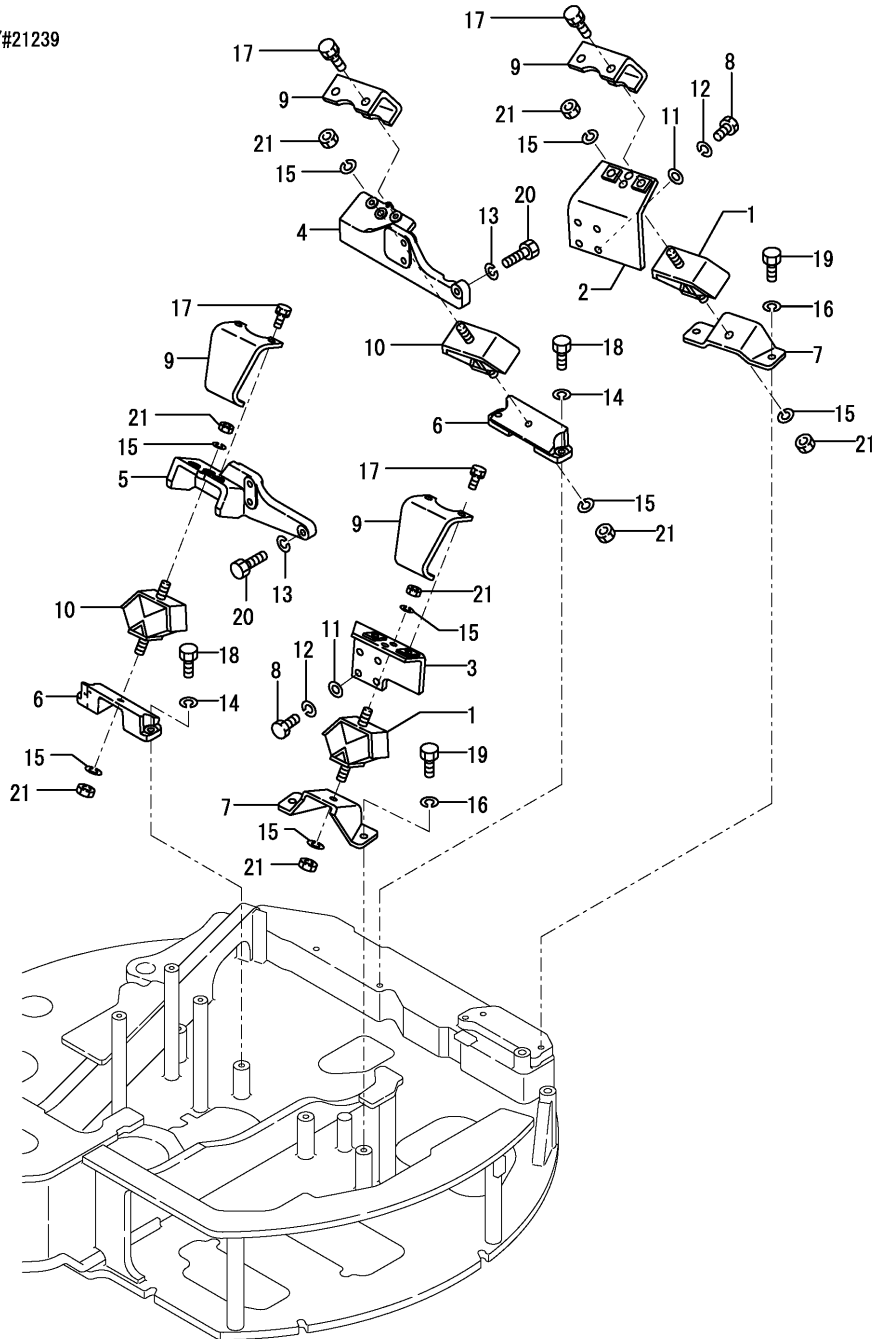
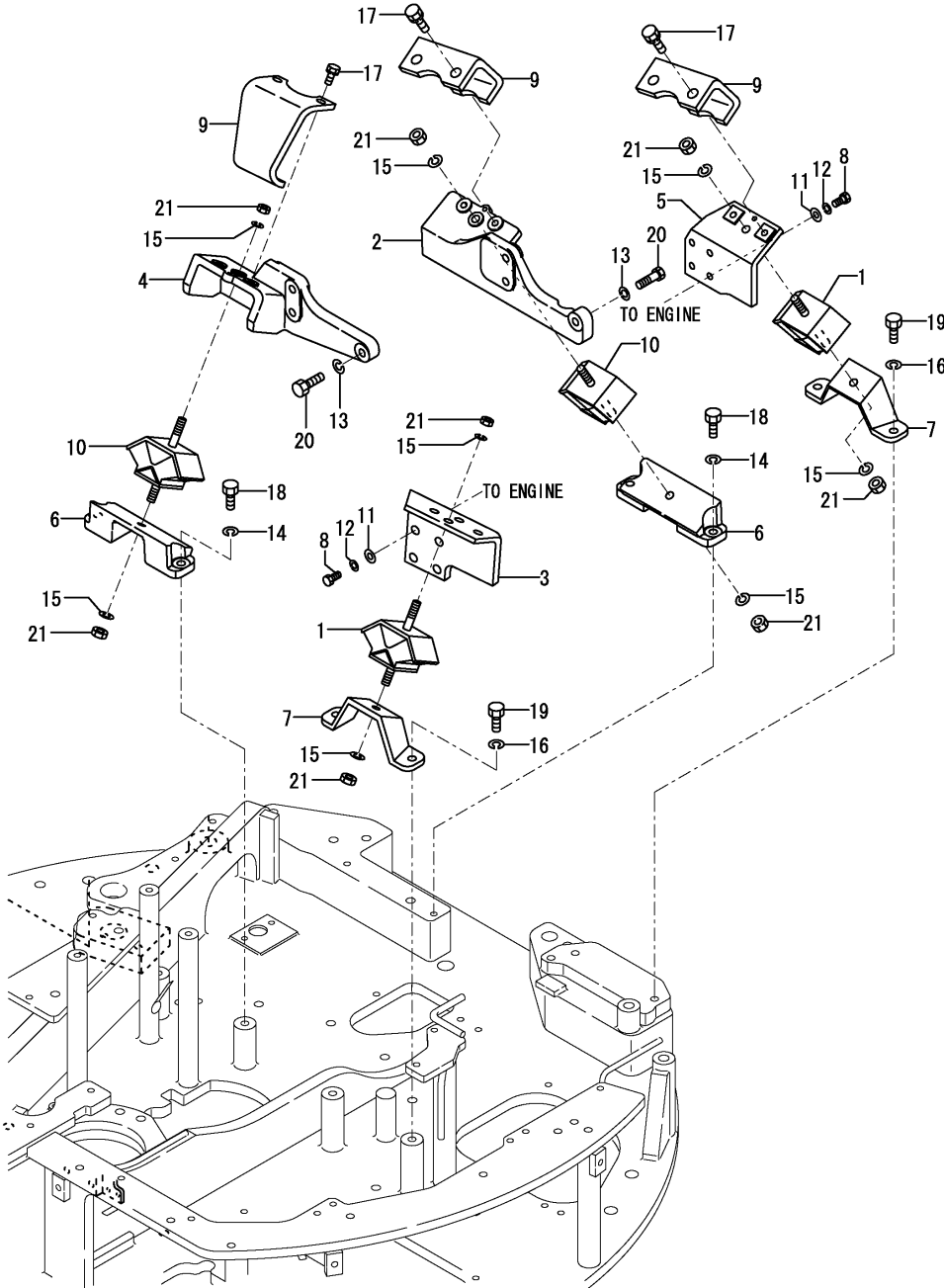


Fig.11. ENGINE MOUNT(NEW)

M/#25501~



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

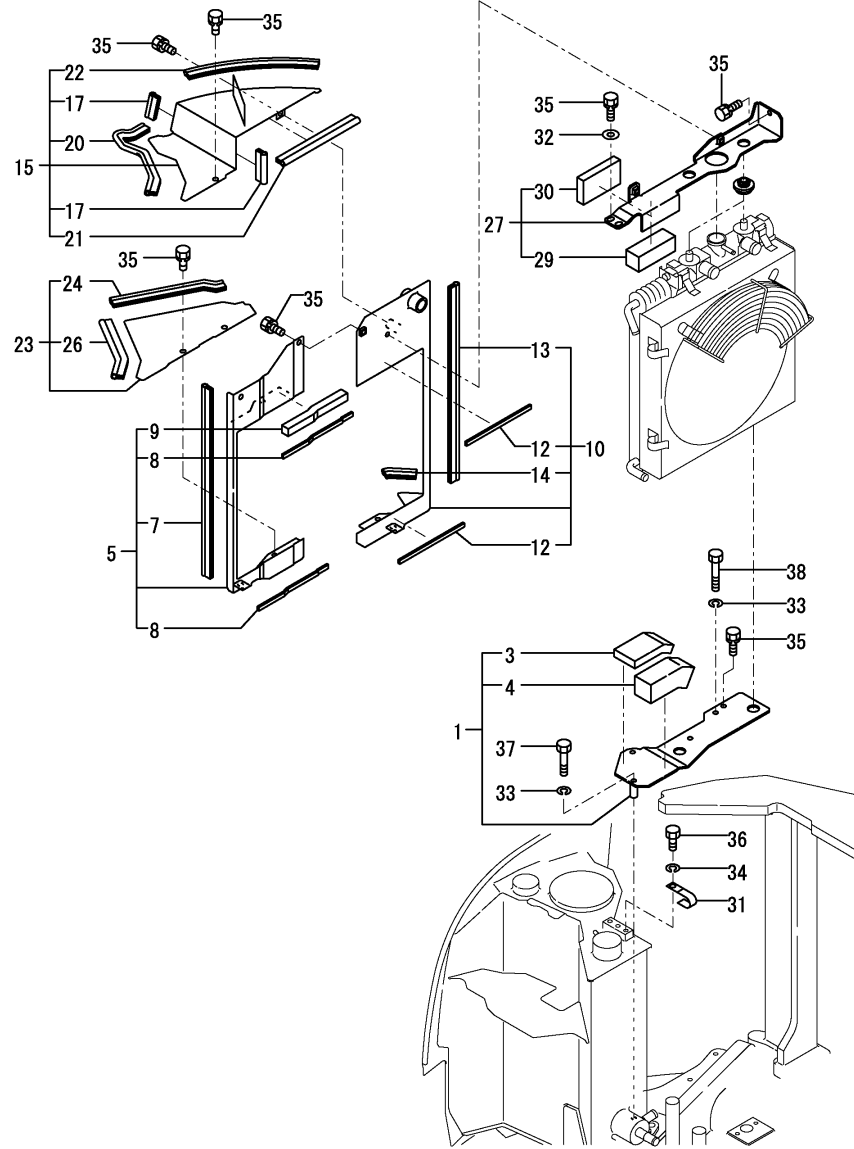
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	196420-02310	ABSORBER, SHOCK 230	2	2	2	2	2	2		
2	1	172458-13100	MOUNT,ENGINE	1	1	1	1	1	1		
3	1	172175-13110	PLATE, L (GRAY:73)	1	1	1	1	1	1		
4	1	172458-13110	MOUNT,ENGINE	1	1	1	1	1	1		
5	1	172490-13110	BRACKET,EN BR (73)	1	1	1	1	1	1		
6	1	172458-13120	BRACKET,ENGINE (73)	2	2	2	2	2	2		
7	1	172490-13150	BRACKET,ENGINE (73)	2	2	2	2	2	2		
8	1	172162-13200	BOLT M10X30	8	8	8	8	8	8		
9	1	172124-13230	STOPPER, ENGINE	3	3	3	3	3	3		
10	1	172168-13250	ABSORBER,SHOCK 180	2	2	2	2	2	2		
11	1	172137-46040	SEAT, SPRING	8	8	8	8	8	8		
12	1	22217-100000	WASHER, SPRING 10	8	8	8	8	8	8		
13	1	22217-120000	WASHER, SPRING 12	6	6	6	6	6	6		
14	1	22217-120000	WASHER, SPRING 12	4	4	4	4	4	4		
15	1	22217-120000	WASHER, SPRING 12	8	8	8	8	8	8		
16	1	22217-120000	WASHER, SPRING 12	4	4	4	4	4	4		
17	1	26013-100252	BOLT, M10X 25	6	6	6	6	6	6		
18	1	26076-120352	BOLT, 10.912X 35	4	4	4	4	4	4		
19	1	26076-120352	BOLT, 10.912X 35	4	4	4	4	4	4		
20	1	26076-120402	BOLT, 10.912X 40	6	6	6	6	6	6		
21	1	26716-120002	NUT, M12	8	8	8	8	8	8		

Fig.12. RADIATOR MOUNT(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

~M/#21239



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-13330	MOUNT ASSY,RADIATOR	1	1						
3	2	172458-13890	SEAL	1	1						
4	2	172458-13900	SEAL	1	1						
5	1	172457-13600	DUCT ASSY, RADIATOR	1	1						1
7	2	172457-13670	SEAL	1	1						
8	2	172458-13750	SEAL	2	2						
9	2	172458-13880	SEAL	1	1						
10	1	172457-13700	DUCT ASSY, RADIATOR	1	1						
12	2	172458-13780	SEAL	2	2						
13	2	172164-66630	RUBBER, SEAL	1	1						
14	2	172164-66800	RUBBER, SEAL 60	1	1						
15	1	172457-13750	DUCT ASSY	1	1						
15-1	1	172457-13751	DUCT ASSY	1	1						N
		(A=M/#20852) (B=M/#20852)									
17	2	172457-13780	RUBBER, SEAL 80	2	2						
20	2	172162-15310	SEAL	1	1						
21	2	172422-66150	SEAL	1	1						
22	2	172164-66480	RUBBER 340, SEAL	1	1						
22-1	2	172164-66620	RUBBER, SEAL 320	1	1						N
		(A=M/#20852) (B=M/#20852)									
23	1	172457-13800	DUCT ASSY	1	1						
24	2	172183-13480	RUBBER, SEAL	1	1						
26	2	172168-65790	RUBBER, SEAL	1	1						
27	1	172458-13861	MOUNT U ASSY	1	1						
29	2	172458-13870	SEAL	1	1						
30	2	172458-13890	SEAL	1	1						
31	1	1A1380-59480	CLAMP, CORD	1	1						
32	1	22137-100000	WASHER, 10	2	2						
33	1	22217-100000	WASHER, SPRING 10	3	3						
34	1	22217-100000	WASHER, SPRING 10	1	1						
35	1	26013-100202	BOLT, M10X 20	9	9						
36	1	26116-100162	BOLT, M10X 16 PLATED	1	1						
37	1	26116-100452	BOLT, M10X 45 PLATED	1	1						
38	1	26116-100552	BOLT, M10X 55 PLATED	2	2						
39A	1	172437-03320	LABEL,HYD.OIL TANK	1	1						2
39A-1	1	172437-03321	LABEL,HYD.OIL TANK	1	1						R 2
		(A=M/#21242) (B=M/#21242)									

Remarks

(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.39A

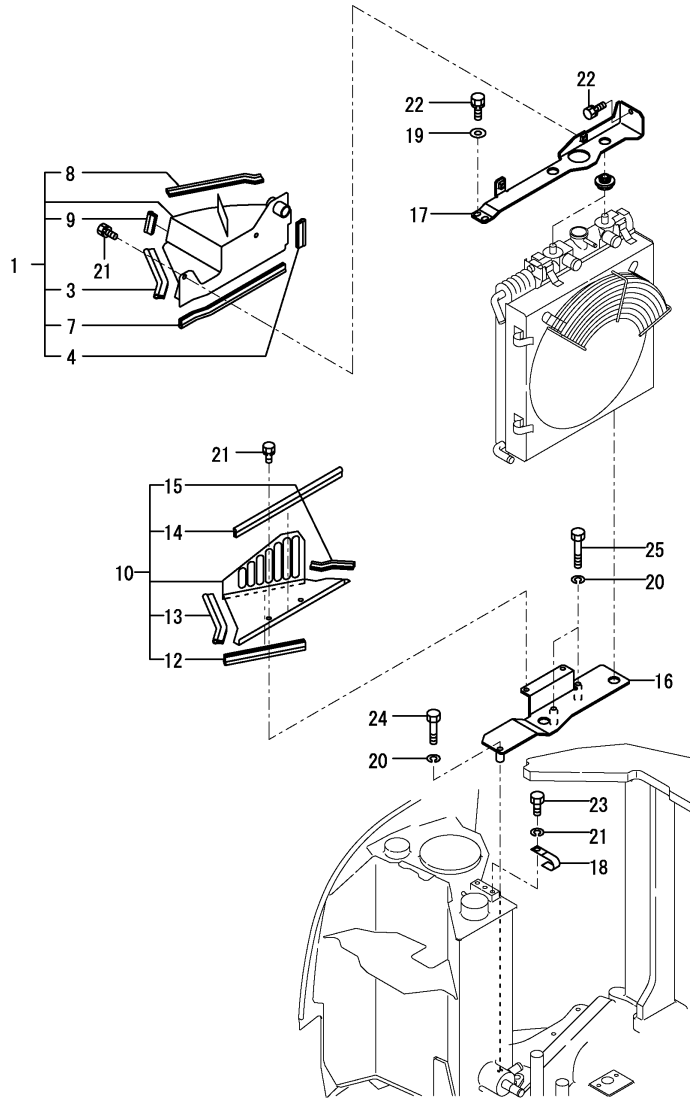
(2)LABELS ARE NOT ILLUSTRATED.

Fig.13. RADIATOR MOUNT(NEW)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-13701	DUCT ASSY, RADIATOR	1	1	1	1	1	1		1
3	2	172183-13480	RUBBER, SEAL	1	1	1	1	1	1		
4	2	172457-13780	RUBBER, SEAL 80	1	1	1	1	1	1		
7	2	172444-54910	SEAL, WEIGHT	1	1						
7-1	2	172456-65850	SEAL, DUCT 385	1	1	1	1	1	1		N
		(A=M/#25654) (B=M/#25654)									
8	2	172444-65680	RUBBER, SEAL	1	1	1	1	1	1		
9	2	172456-65790	RUBBER, SEAL	1	1	1	1	1	1		
10	1	172457-13801	DUCT ASSY	1	1	1	1	1	1		
12	2	172444-54910	SEAL, WEIGHT	1	1	1	1	1	1		
13	2	172168-65790	RUBBER, SEAL	1	1	1	1	1	1		
14	2	172456-65850	SEAL, DUCT 385	1	1	1	1	1	1		
15	2	172456-65860	RUBBER, SEAL	1	1	1	1	1	1		
16	1	172457-13890	MOUNT,RADIATOR	1	1	1	1	1	1		
17	1	172457-13910	MOUNT U ASSY, RAD	1	1	1	1	1	1		
18	1	1A1380-59480	CLAMP, CORD	1	1	1	1	1	1		
19	1	22137-100000	WASHER, 10	2	2	2	2	2	2		
20	1	22217-100000	WASHER, SPRING 10	3	3	3	3	3	3		
21	1	22217-100000	WASHER, SPRING 10	1	1	1	1	1	1		
22	1	26013-100202	BOLT, M10X 20	9	9	9	9	9	9		
23	1	26116-100162	BOLT, M10X 16 PLATED	1	1	1	1	1	1		
24	1	26116-100452	BOLT, M10X 45 PLATED	1	1	1	1	1	1		
25	1	26116-100552	BOLT, M10X 55 PLATED	2	2	2	2	2	2		
26A	1	172437-03321	LABEL,HYD.OIL TANK	1	1	1	1	1	1		2

Remarks

- (1)PLEASE USE THIS PART WITH FOLLWING LABELS AT THE SAME TIME.
- (2)LABEL IS NOT ILLUSTRATED.

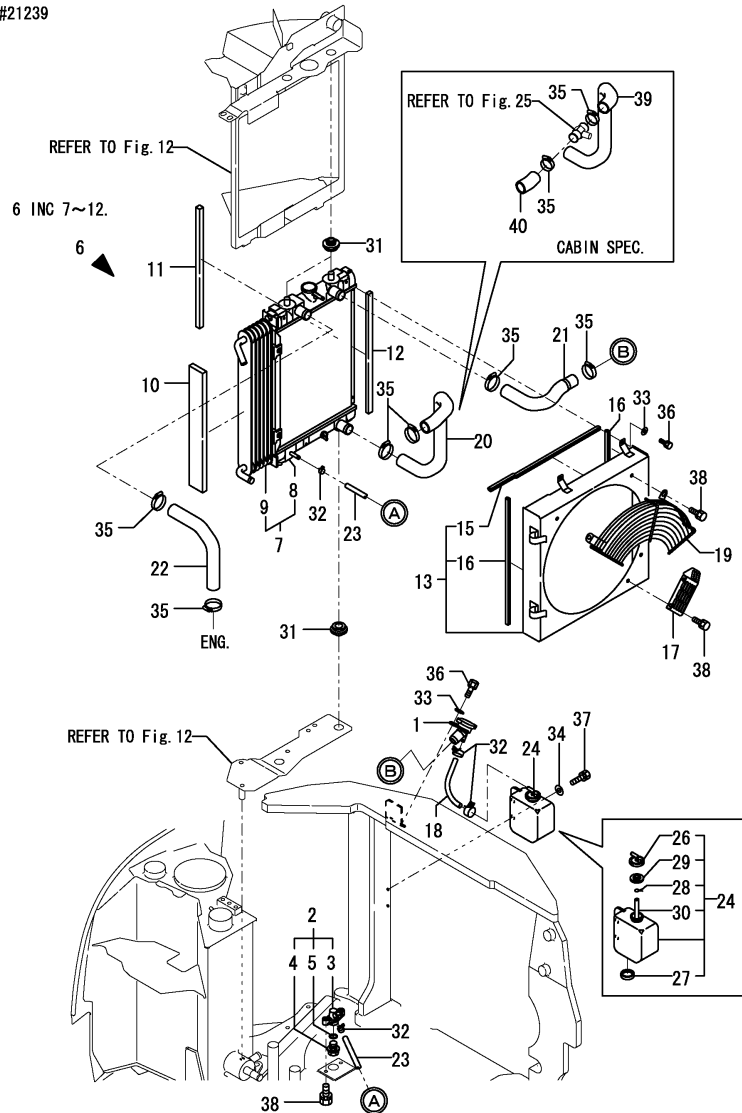


Fig.14. RADIATOR,OIL COOLER & SUB-TANK(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

~M/#21239



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4105-11950	FILLER ASSY	1	1						1
2	1	172444-13210	COCK ASSY, 2-WAY	1	1						
3	2	172444-13220	BODY	1	1						
4	2	121250-49121	PLUG, DRAIN	1	1						
5	2	24311-000160	O-RING, 1AP16.0	1	1						
6	1	172458-13290	RADIATOR ASSY	1	1						
7	2	172458-13300	RADIATOR	1	1						
8	3	172458-13950	RADIATOR	1	1						
9	3	172458-13960	COOLER, OIL	1	1						
10	2	172458-13310	SEAL, RADIATOR	1	1						
11	2	172458-13320	SEAL, RADIATOR	1	1						
12	2	172458-13390	SEAL, RADIATOR	1	1						
13	1	172457-13400	SHROUD ASSY	1	1						
15	2	172458-13450	SEAL, 420	2	2						
16	2	172458-13460	SEAL, 400	2	2						
17	1	172458-13480	PLATE, GUARD	1	1						
18	1	172458-13530	HOSE 140	1	1						
19	1	172423-13550	NET, WIRE	1	1						
20	1	172458-13550	PIPE, WATER	1	1						
21	1	172458-13560	PIPE, WATER	1	1						
22	1	172458-13570	PIPE, WATER	1	1						
23	1	172171-14610	HOSE 260,FUEL	1	1						
24	1	121468-44510	SUB-TANK ASSY	1	1						2
26	2	121450-44531	CAP	1	1						
27	2	121468-44540	PLUG, SUB-TANK	1	1						
28	2	124450-44560	RETAINER	1	1						
29	2	121470-44581	GASKET	1	1						
30	2	23065-070130	PIPE, 7X 130	1	1						
31	1	119255-44660	ABSORBER	4	4						
32	1	124766-59050	CLIP, HOSE 12	4	4						
33	1	22137-060000	WASHER, 6	5	5						
34	1	22137-060000	WASHER, 6	2	2						
35	1	23000-041000	CLAMP, 41	8	6						
35-1	1	23001-041000	CLAMP, HOSE 41	8	6						N
		(A=M/#21087) (B=M/#21087)									
36	1	26013-060162	BOLT, M6X 16	5	5						
37	1	26013-060202	BOLT, M6X 20	2	2						
38	1	26013-080162	BOLT, M8X 16	6	6						
39	1	172458-13580	PIPE, WATER	1							
40	1	172458-13590	PIPE, WATER	1							
41A	1	172462-03320	LABEL	1	1						3
41B	1	124764-44810	LABEL,SUB-TANK	1	1						3

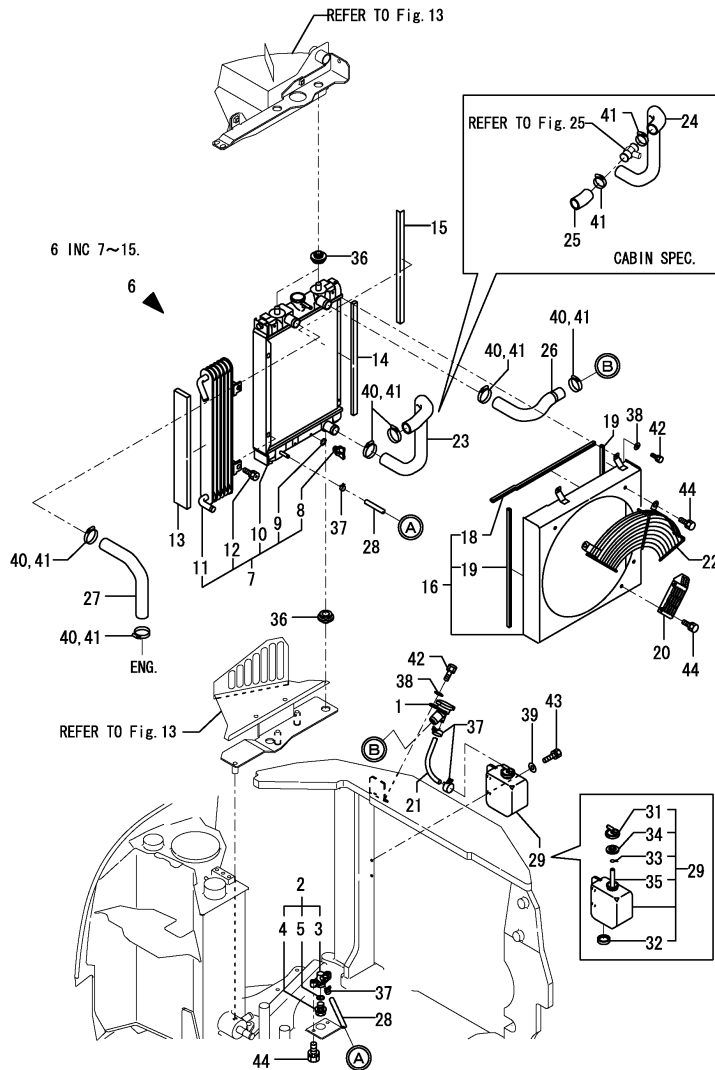
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.41A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.41B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.15. RADIATOR,OIL COOLER & SUB-TANK(NEW)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4105-11950	FILLER ASSY	1	1	1	1	1	1		1
2	1	172444-13210	COCK ASSY, 2-WAY	1	1	1	1	1	1		
3	2	172444-13220	BODY	1	1	1	1	1	1		
4	2	121250-49121	PLUG, DRAIN	1	1	1	1	1	1		
5	2	24311-000160	O-RING, 1AP16.0	1	1	1	1	1	1		
6	1	172458-13291	RADIATOR ASSY	1	1	1	1	1	1		
7	2	172458-13300	RADIATOR	1	1	1	1	1	1		
8	3	172456-13320	COCK	1	1	1	1	1	1		
9	3	172456-13330	O-RING	1	1	1	1	1	1		
10	3	172458-13950	RADIATOR	1	1	1	1	1	1		
11	3	172458-13960	COOLER, OIL	1	1	1	1	1	1		
12	3	172458-13970	BOLT	2	2	2	2	2	2		
13	2	172458-13310	SEAL, RADIATOR	1	1	1	1	1	1		
14	2	172458-13390	SEAL, RADIATOR	1	1	1	1	1	1		
15	2	172487-13500	SEAL, RADIATOR	1	1	1	1	1	1		
16	1	172457-13401	SHROUD ASSY	1	1	1	1	1	1		
18	2	172458-13450	SEAL, 420	2	2	2	2	2	2		
19	2	172458-13460	SEAL, 400	2	2	2	2	2	2		
20	1	172458-13480	PLATE, GUARD	1	1	1	1	1	1		
21	1	172458-13530	HOSE 140	1	1	1	1	1	1		
22	1	172423-13550	NET, WIRE	1	1	1	1	1	1		
23	1	172458-13550	PIPE, WATER		1		1		1		
24	1	172458-13580	PIPE, WATER	1		1		1			
25	1	172458-13590	PIPE, WATER	1		1		1			
26	1	172458-13560	PIPE, WATER	1	1	1	1	1	1		
27	1	172458-13570	PIPE, WATER	1	1	1	1	1	1		
28	1	172171-14610	HOSE 260,FUEL	1	1	1	1	1	1		
29	1	121468-44510	SUB-TANK ASSY	1	1	1	1	1	1		2
31	2	121450-44531	CAP	1	1	1	1	1	1		
32	2	121468-44540	PLUG, SUB-TANK	1	1	1	1	1	1		
33	2	124450-44560	RETAINER	1	1	1	1	1	1		
34	2	121470-44581	GASKET	1	1	1	1	1	1		
35	2	23065-070130	PIPE, 7X 130	1	1	1	1	1	1		
36	1	119255-44660	ABSORBER	4	4	4	4	4	4		
37	1	124766-59050	CLIP, HOSE 12	4	4	4	4	4	4		
38	1	22137-060000	WASHER, 6	5	5	5	5	5	5		
39	1	22137-060000	WASHER, 6	2	2	2	2	2	2		
40	1	23001-041000	CLAMP, HOSE 41		6		6		6		
41	1	23001-041000	CLAMP, HOSE 41	8		8		8			
42	1	26013-060162	BOLT, M6X 16	5	5	5	5	5	5		
43	1	26013-060202	BOLT, M6X 20	2	2	2	2	2	2		
44	1	26013-080162	BOLT, M8X 16	6	6	6	6	6	6		
45A	1	172462-03320	LABEL	1	1	1	1	1	1		3
46A	1	124764-44810	LABEL,SUB-TANK	1	1	1	1	1	1		3

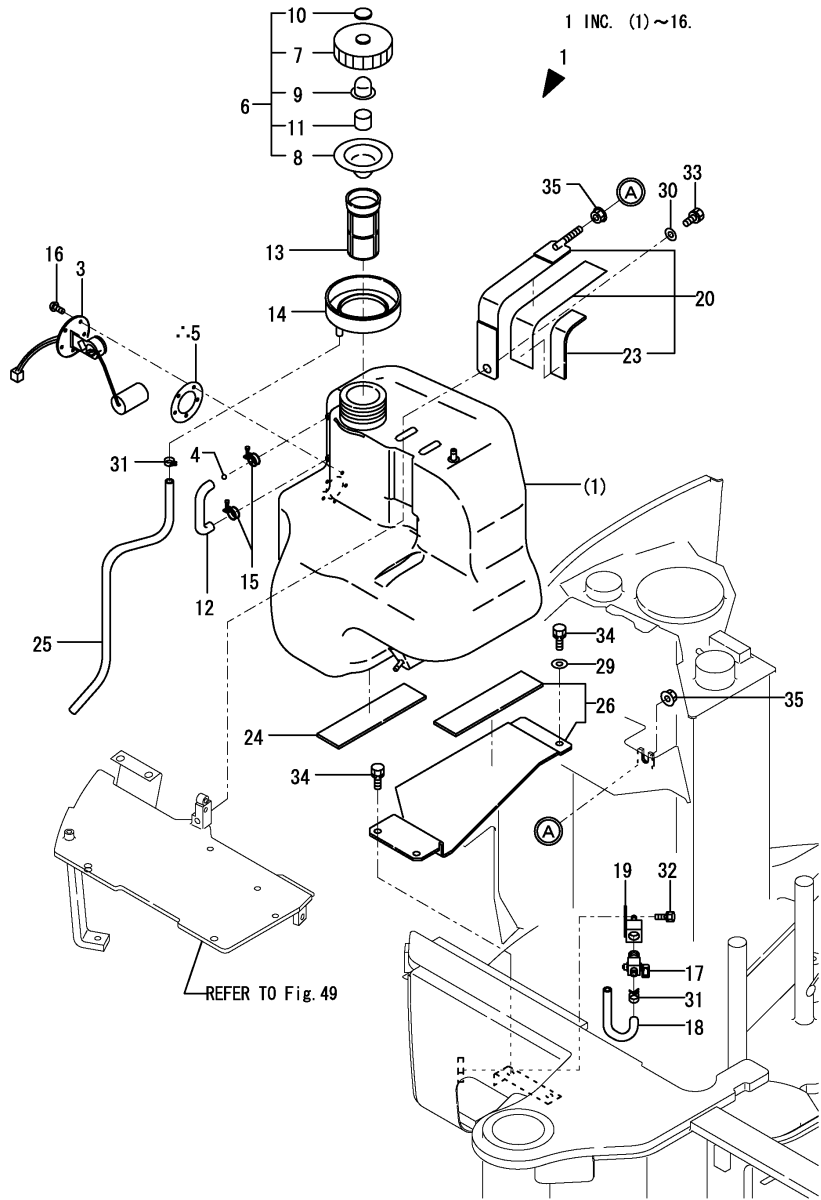
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.45A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.46A  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.16. FUEL TANK

P/C NEWS No: Y00S4112-2  
PUBLISHED: 2006/08

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)



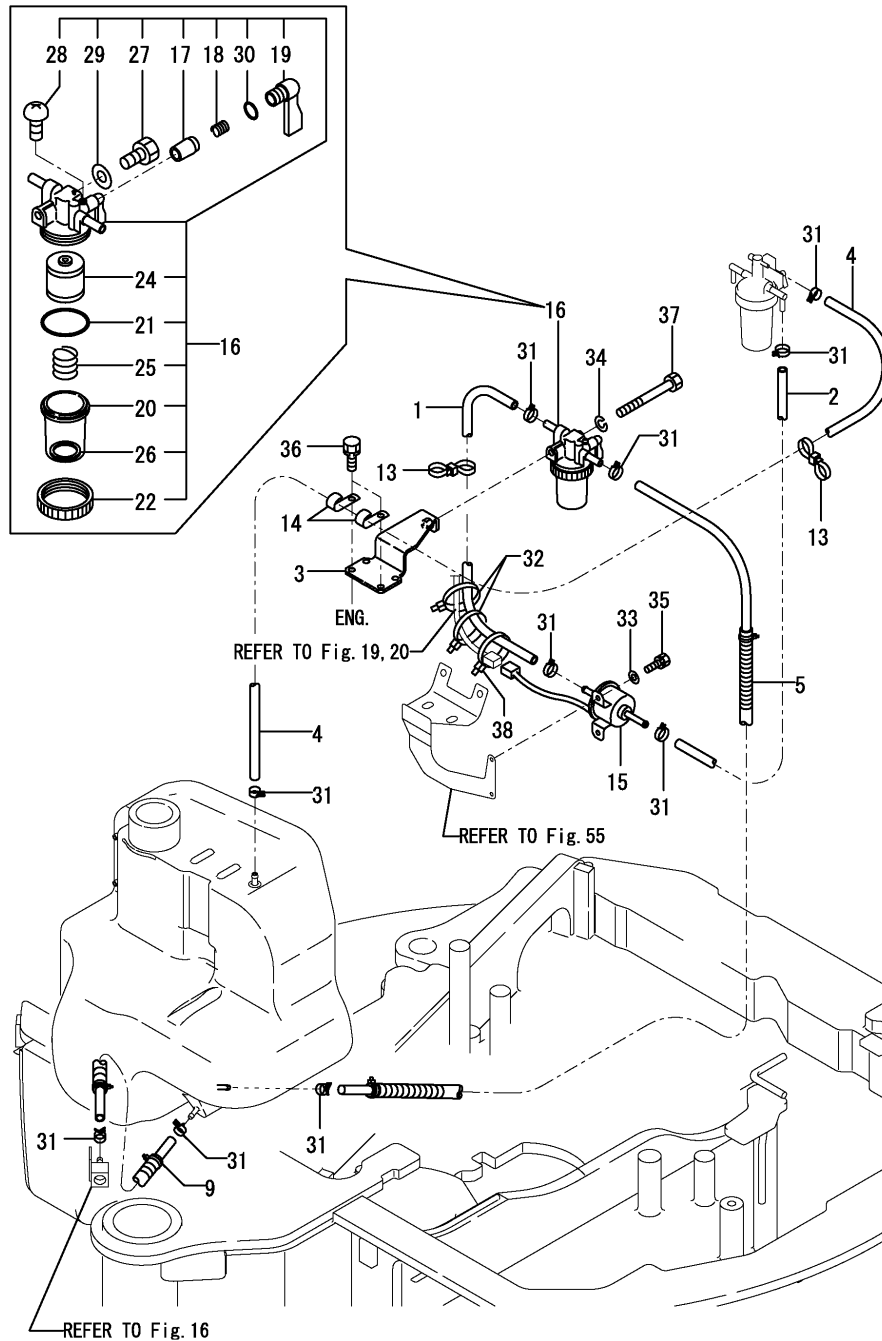
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772458-14100	TANK ASSY, FUEL	1	1						
1-1	1	772458-14101	TANK ASSY, FUEL	1	1	1	1	1	1	1	N
				(A=M/#20872)		(B=M/#20872)					
3	2	172458-14150	GAUGE ASSY, FUEL	1	1	1	1	1	1	1	
4	2	172447-14160	FLOAT	1	1	1	1	1	1	1	
5	2	172162-14200	GASKET	1	1	1	1	1	1	1	
6	2	172444-14200	CAP, FUEL	1	1	1	1	1	1	1	
7	3	172444-14450	CAP	1	1	1	1	1	1	1	
8	3	172444-14460	GASKET	1	1	1	1	1	1	1	
9	3	172444-14470	GASKET	1	1	1	1	1	1	1	
10	3	172444-14480	WASHER	1	1	1	1	1	1	1	
11	3	172444-14490	SPONGE	1	1	1	1	1	1	1	
12	2	172458-14201	HOSE, FUEL GAUGE	1	1						
12-1	2	172458-14202	HOSE, FUEL GAUGE	1	1	1	1	1	1	1	N
				(A=M/#20872)		(B=M/#20872)					
13	2	172183-14250	FILTER (FUEL)	1	1	1	1	1	1	1	
14	2	172458-14370	SUMP, FUEL	1	1	1	1	1	1	1	
15	2	23000-013000	CLAMP, 13	2	2	2	2	2	2	2	
16	2	26557-050122	SCREW, M5X12	5	5						
16-1	2	26022-050122	SCREW, M5X12	5	5	5	5	5	5	5	N
				(A=M/#20793)		(B=M/#20793)					
17	1	104200-11920	COCK, WATER	1	1	1	1	1	1	1	
18	1	172165-14170	TUBE, DRAIN	1	1	1	1	1	1	1	
19	1	172444-14270	JOINT, DRAIN	1	1	1	1	1	1	1	
20	1	172458-14300	CLAMP ASSY, FUEL	1	1	1	1	1	1	1	
23	2	172458-14380	RUBBER PLATE D,FO	1	1	1	1	1	1	1	
24	1	172458-14340	RUBBER PLATE A,FO	1	1	1	1	1	1	1	
25	1	172458-14510	HOSE 9.5 X 750	1	1	1	1	1	1	1	
26	1	172458-62240	STEP ASSY, TANK	1	1	1	1	1	1	1	
29	1	22137-100000	WASHER, 10	1	1	1	1	1	1	1	
30	1	22137-100000	WASHER, 10	1	1	1	1	1	1	1	
31	1	23080-013000	CLAMP, 13	2	2	2	2	2	2	2	
32	1	26013-080202	BOLT, M8X 20	1	1	1	1	1	1	1	
33	1	26013-100202	BOLT, M10X 20	1	1	1	1	1	1	1	
34	1	26013-100202	BOLT, M10X 20	3	3	3	3	3	3	3	
35	1	26367-100002	NUT, M10	2	2	2	2	2	2	2	

∴ MARKED PART HAS BEEN CHANGED (ADDED).

Fig.17. FUEL LINE

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



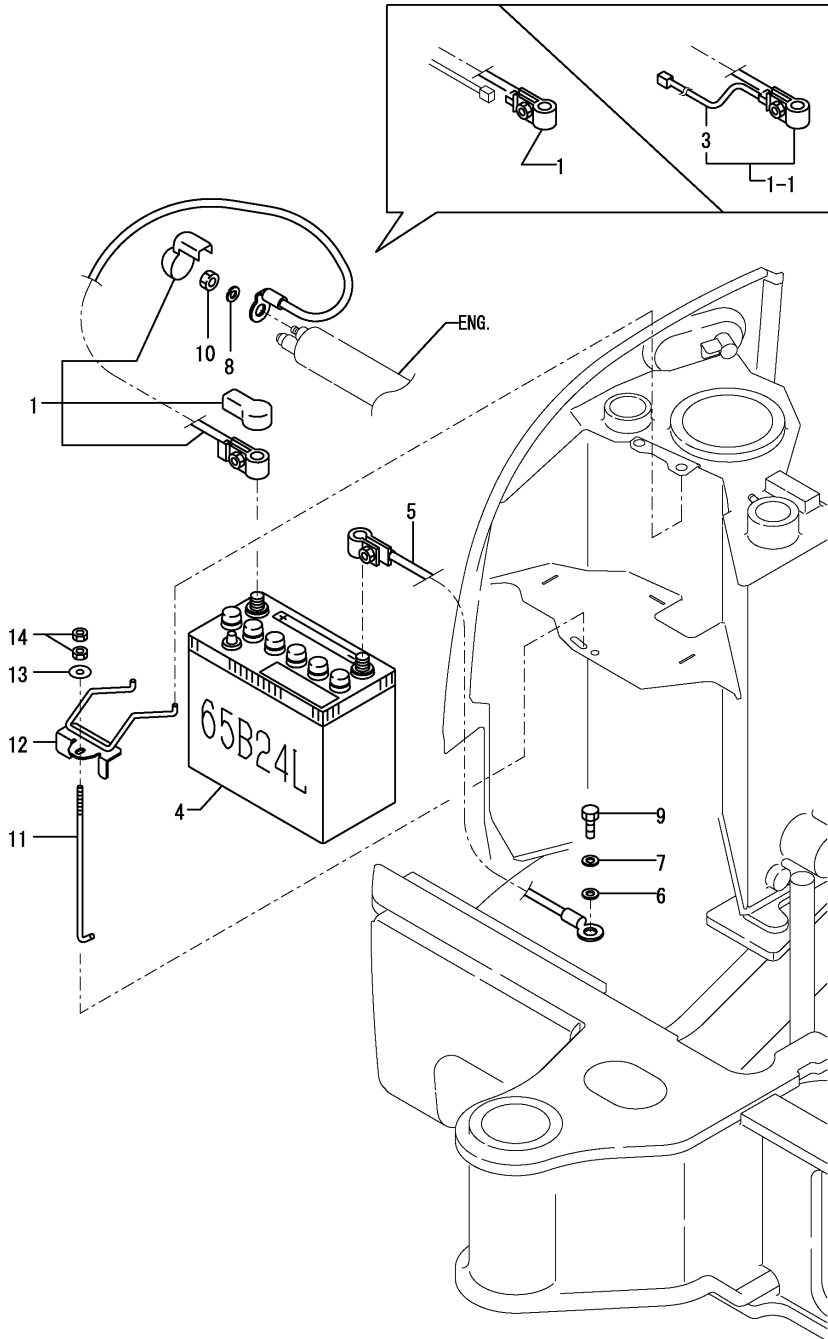
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1E6511-03220	HOSE, FUEL	1	1	1	1	1	1		
2	1	172171-13461	HOSE 7.5X13	1	1	1	1	1	1		
3	1	172458-14600	STAY ASSY	1	1	1	1	1	1		
4	1	172176-14620	HOSE 1360	1	1	1	1	1	1		
5	1	172458-14630	HOSE 1700 ASSY	1	1	1	1	1	1		
9	1	172458-14660	HOSE 210 ASSY	1	1	1	1	1	1		
13	1	172137-16560	BAND	2	2	2	2	2	2		
14	1	194440-51620	CLAMP	2	2	2	2	2	2		
15	1	129612-52100	PUMP ASSY, FUEL FEED	1	1	1	1	1	1		
16	1	121850-55800	SEPARATOR ASSY,WATER	1	1	1	1	1	1		
17	2	104200-55321	VALVE, TAPER	1	1	1	1	1	1		
18	2	104200-55330	SPRING, VALVE	1	1	1	1	1	1		
19	2	104200-55341	HANDLE	1	1	1	1	1	1		
20	2	121254-55510	COVER	1	1	1	1	1	1		
21	2	102103-55520	O-RING	1	1	1	1	1	1		
22	2	110250-55610	RING, RETAINING	1	1	1	1	1	1		
24	2	121850-55710	SCREEN	1	1	1	1	1	1		
25	2	121257-55720	SPRING	1	1	1	1	1	1		
26	2	121257-55731	FLOAT	1	1	1	1	1	1		
27	2	101720-55750	PLUG, 6	2	2	2	2	2	2		
28	2	104200-55750	SCREW, M4	1	1	1	1	1	1		
29	2	23418-060000	GASKET, 6X1.0	2	2	2	2	2	2		
30	2	24311-240100	O-RING, 1AP10A	1	1	1	1	1	1		
31	1	124766-59050	CLIP, HOSE 12	10	10	10	10	10	10		
32	1	172122-79930	CLAMP, HOSE	2	2	2	2	2	2		
33	1	22137-060000	WASHER, 6	2	2	2	2	2	2		
34	1	22217-080000	WASHER, SPRING 8	1	1	1	1	1	1		
35	1	26013-060162	BOLT, M6X 16	2	2	2	2	2	2		
36	1	26013-080202	BOLT, M8X 20	4	4	4	4	4	4		
37	1	26116-080702	BOLT, M8X 70 PLATED	1	1	1	1	1	1		
38	1	194202-56460	BAND, 200	1	1	1	1	1	1		W

(A)=M/#21031) (B)=M/#21031)

Fig.18. BATTERY

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

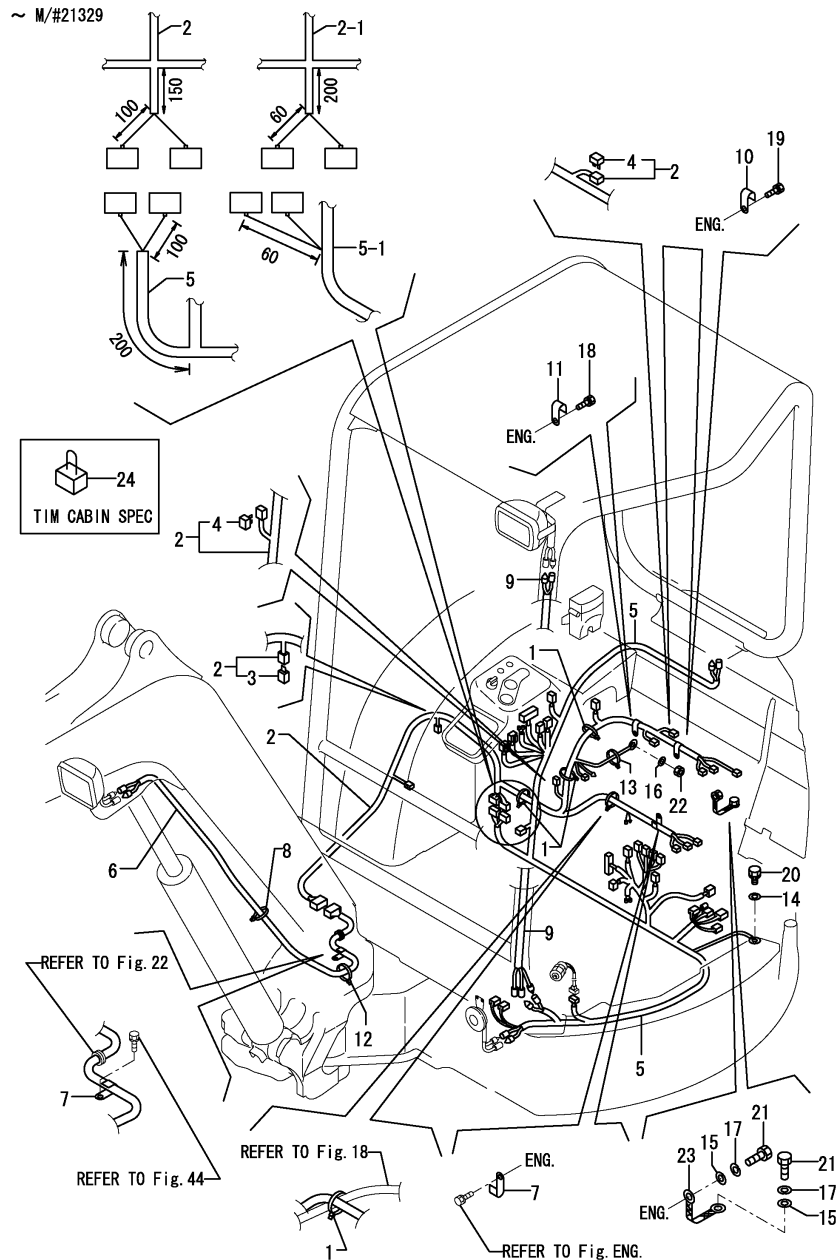


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-16100	CORD, BATTERY	1	1						
1-1	1	172458-16101	CORD, BATTERY	1	1	1	1	1	1	1	S
(A=M/#21146) (B=M/#21146)											
3	2	172458-16140	HARNESS C	1	1	1	1	1	1	1	
4	1	172458-16110	BATTERY	1	1	1	1	1	1	1	
5	1	172458-16121	CORD, BATTERY	1	1	1	1	1	1	1	
6	1	22137-080000	WASHER, 8	1	1	1	1	1	1	1	
7	1	22217-080000	WASHER, SPRING 8	1	1	1	1	1	1	1	
8	1	22217-080000	WASHER, SPRING 8	1	1	1	1	1	1	1	
9	1	26116-080162	BOLT, M8X 16 PLATED	1	1	1	1	1	1	1	
10	1	26716-080002	NUT, M8	1	1	1	1	1	1	1	
11	1	172725-16160	ROD, CLAMP	1	1	1	1	1	1	1	
12	1	172458-16300	CLAMP ASSY, BATTERY	1	1	1	1	1	1	1	
13	1	22157-060000	WASHER, 6	1	1	1	1	1	1	1	
14	1	26716-060002	NUT, M6	2	2	2	2	2	2	2	

Fig.19. ELECTRIC PART(WIRING:PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	4	4						
2	1	172458-16500	HARNESS A ASSY	1	1						
2-1	1	172458-16501	HARNESS ASSY ,A	1	1						S
3	2	(A=M/#21146) (B=M/#21146) 172458-16550	FUSE,SLOW BLOW (50A)	1	1						W
		(A=M/#20793) (B=M/#20793)									
4	2	172648-16600	DIODE	2	2						
5	1	172472-16520	HARNESS B ASSY (US)	1	1						
5-1	1	172472-16521	HARNESS B ASSY (US)	1	1						S
6	1	(A=M/#21146) (B=M/#21146) 172458-16531	HARNESS, BOOM LAMP	1	1						
		(A=M/#20927) (B=M/#20927)									
7	1	172126-16540	CLAMP	2	2						
8	1	172137-16560	BAND	1	1						
9	1	172458-16560	HARNESS,CANOPY LAMP	1	1						
9-1	1	172458-16561	HARNESS,CANOPY LAMP	1	1						N
9-2	1	(A=M/#20927) (B=M/#20927) 172458-16561	HARNESS,CANOPY LAMP	1							Z
		(A=M/#20501) (B=M/#20501)									
10	1	194440-51620	CLAMP	1	1						
11	1	194440-51620	CLAMP	1	1						
12	1	172187-78580	BAND W 397	2	2						
13	1	172187-78580	BAND W 397	1	1						
14	1	22137-100000	WASHER, 10	1	1						
15	1	22137-120000	WASHER, 12	2	2						
16	1	22217-050000	WASHER, SPRING 5	1	1						
17	1	22217-120000	WASHER, SPRING 12	2	2						
18	1	26013-080162	BOLT, M8X 16	1	1						
19	1	26013-080162	BOLT, M8X 16	1	1						
20	1	26013-100202	BOLT, M10X 20	1	1						
21	1	26116-120162	BOLT, M12X 16 PLATED	2	2						
22	1	26716-050002	NUT, M5	1	1						
23	1	933171-15801	CORD, ENGINE EARTH	1	1						
24	1	172190-16500	HARNESS	1							1

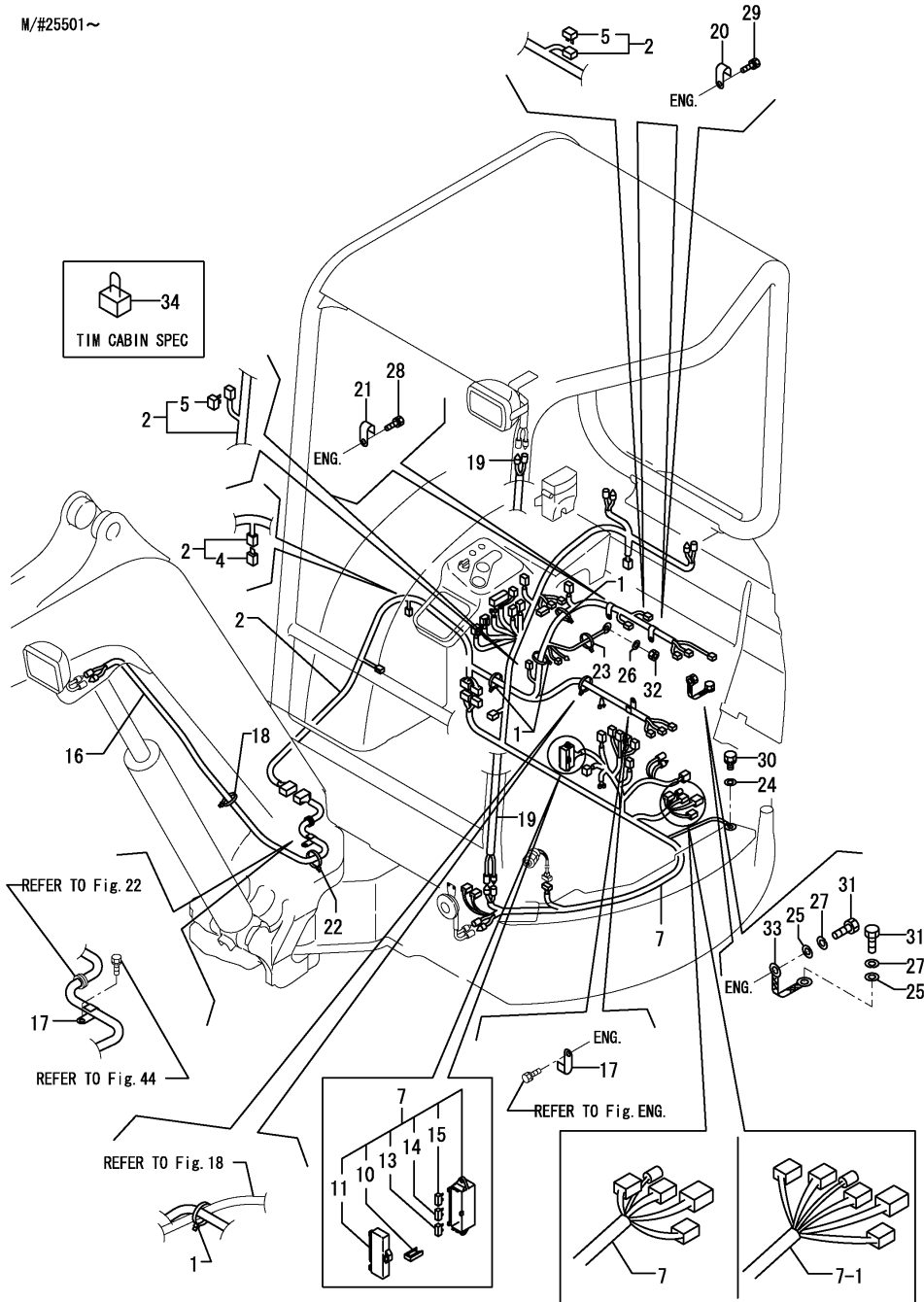
Remarks  
 (1)TIM CABIN SPEC.

Fig.20. ELECTRIC PART(WIRING:NEW)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



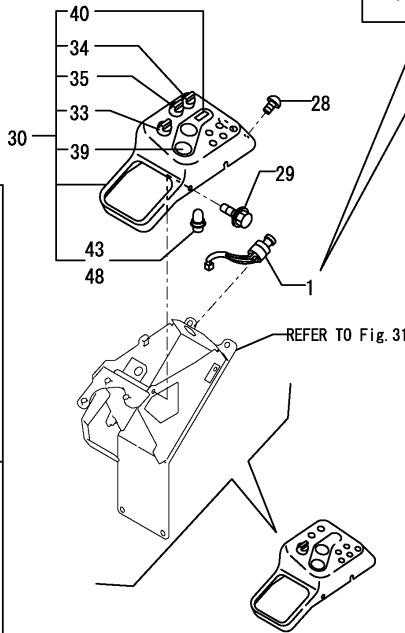
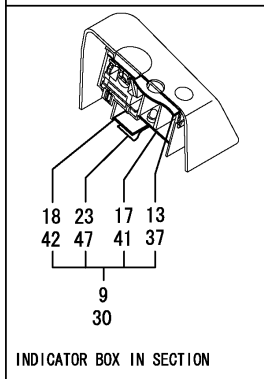
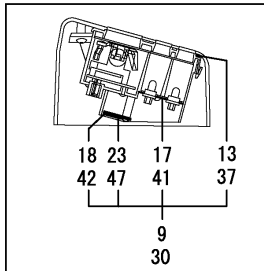
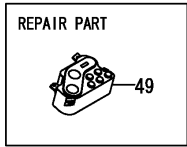
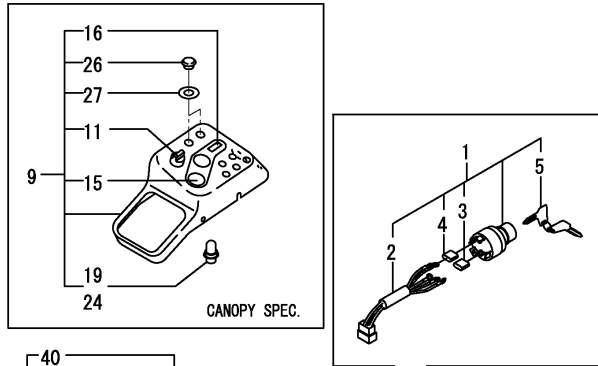
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND	4	4	4	4	4	4		
2	1	172458-16501	HARNESS ASSY ,A	1	1	1	1	1	1		
4	2	172458-16550	FUSE, SLOWBLOW	1	1	1	1	1	1		
5	2	172648-16600	DIODE	2	2	2	2	2	2		
7	1	172472-16522	HARNESS B ASSY (US)	1	1						
7-1	1	172472-16523	HARNESS B ASSY (US)	1	1	1	1	1	1		S
(A=M/#25611) (B=M/#25611)											
10	2	172175-17120	PULLER	1	1	1	1	1	1		
11	2	172187-17220	COVER	1	1	1	1	1	1		
13	2	29420-050000	FUSE, B 5A	2	2	2	2	2	2		
14	2	29420-150000	FUSE, B 15A	6	6	6	6	6	6		
15	2	29420-300000	FUSE, B 30A	2	2	2	2	2	2		
16	1	172458-16531	HARNESS, LAMP	1	1	1	1	1	1		
17	1	172126-16540	CLAMP	2	2	2	2	2	2		
18	1	172137-16560	BAND	1	1	1	1	1	1		
19	1	172458-16561	HARNESS,CANOPY LAMP		1		1		1		
20	1	194440-51620	CLAMP	1	1	1	1	1	1		
21	1	194440-51620	CLAMP	1	1	1	1	1	1		
22	1	172187-78580	BAND	2	2	2	2	2	2		
23	1	172187-78580	BAND	1	1	1	1	1	1		
24	1	22137-100000	WASHER, 10	1	1	1	1	1	1		
25	1	22137-120000	WASHER, 12	2	2	2	2	2	2		
26	1	22217-050000	WASHER, SPRING 5	1	1	1	1	1	1		
27	1	22217-120000	WASHER, SPRING 12	2	2	2	2	2	2		
28	1	26013-080162	BOLT, M8X 16	1	1	1	1	1	1		
29	1	26013-080162	BOLT, M8X 16	1	1	1	1	1	1		
30	1	26013-100202	BOLT, M10X 20	1	1	1	1	1	1		
31	1	26116-120162	BOLT, M12X 16 PLATED	2	2	2	2	2	2		
32	1	26716-050002	NUT, M5	1	1	1	1	1	1		
33	1	933171-15801	CORD, ENGINE EARTH	1	1	1	1	1	1		
34	1	172190-16500	HARNESS, WIRE	1		1		1			

Fig.21. ELECTRIC PART(INDICATOR BOX)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-17100	SWITCH ASSY, STARTER	1	1						
1-1	1	172187-17100	SWITCH ASSY, STARTER	1	1	1	1	1	1	1	R
		(A=M/#21135) (B=M/#21135)									
2	2	172187-17070	CORD ASSY	1	1	1	1	1	1	1	
3	2	172187-17080	COVER	3	3	3	3	3	3	3	
4	2	172187-17090	COVER	2	2	2	2	2	2	2	
5	2	172524-17330	KEY ASSY	1	1						
5-1	2	933110-00301	KEY ASSY	1	1	1	1	1	1	1	R
		(A=M/#21135) (B=M/#21135)									
9	1	172458-17500	BOX,INDICATOR(CANOPY	1			1		1		1
11	2	172187-17280	SWITCH ASSY, LIGHT	1			1		1		
13	2	172187-17320	PACKING	1			1		1		
15	2	172187-17341	GAUGE ASSY	1			1		1		
16	2	172187-17350	METER ASSY, HOUR	1			1		1		
17	2	172187-17360	PRINT,CIRCUIT	1			1		1		
18	2	172187-17371	CIRCUIT ASSY	1			1		1		
19	2	172187-17380	BULB	4			4		4		
23	2	172187-17470	PLATE	1			1		1		
24	2	172187-17480	BULB	2			2		2		
26	2	172187-17560	CAP	2			2		2		
27	2	172187-17570	GASKET	2			2		2		
28	1	172458-46720	BOLT 8X20	1	1						
29	1	172519-63240	BOLT	3	3	3	3	3	3	3	
30	1	172472-17350	INDICATOR BOX (CABIN	1		1		1			1
33	2	172187-17280	SWITCH ASSY, LIGHT	1			1		1		
34	2	172187-17290	SWITCH ASSY, HEATER	1			1		1		
35	2	172472-17300	SWITCH ASSY, WASHER	1			1		1		
37	2	172187-17320	PACKING	1			1		1		
39	2	172187-17341	GAUGE ASSY	1			1		1		
40	2	172187-17350	METER ASSY, HOUR	1			1		1		
41	2	172187-17360	PRINT,CIRCUIT	1			1		1		
42	2	172187-17371	CIRCUIT ASSY	1			1		1		
43	2	172187-17380	BULB	4			4		4		
47	2	172187-17470	PLATE	1			1		1		
48	2	172187-17480	BULB	2			2		2		
49	1	172A77-17500	MONITOR ASSY	1	1	1	1	1	1	1	W 3
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ) (E=MZZZZZ) (F=MZZZZZ)									
50A	1	172141-03360	LABEL, START SWITCH	1	1	1	1	1	1	1	2



Remarks  
 (1) HOUR METER = ANALOG TYPE.  
 PLEASE PUT REF.NO.50A.  
 (2) LABELS ARE NOT ILLUSTRATED.  
 (3) HOUR METER = L.C.D. TYPE.

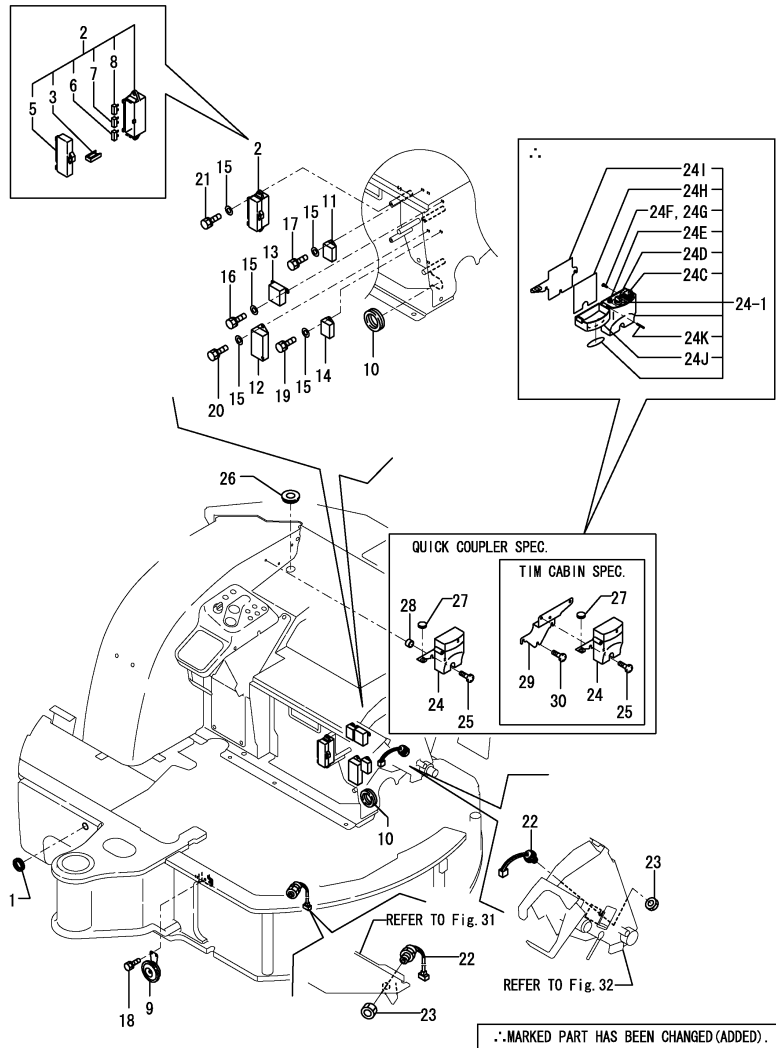


Fig.22. ELECTRIC PART(EQUIPMENT)

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

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PUBLISHED:2006/03



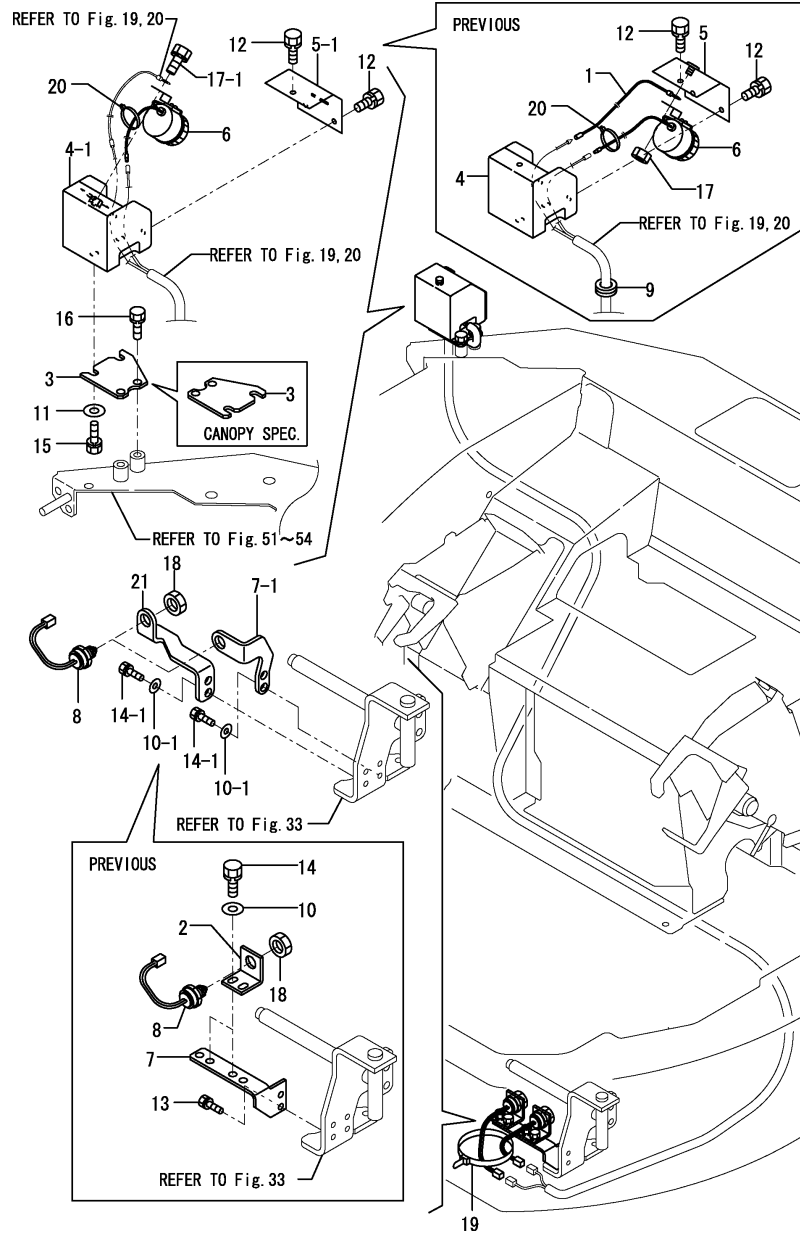
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-16560	GROMMET	1	1	1	1	1	1		
2	1	172187-17200	BOX, FUSE	1	1						Z
		(A=M/#25501) (B=M/#25501)									
3	2	172175-17120	PULLER	1	1						Z
		(A=M/#25501) (B=M/#25501)									
5	2	172187-17220	COVER	1	1						Z
		(A=M/#25501) (B=M/#25501)									
6	2	29420-050000	FUSE, B 5A	2	2						Z
		(A=M/#25501) (B=M/#25501)									
7	2	29420-150000	FUSE, B 15A	6	6						Z
		(A=M/#25501) (B=M/#25501)									
8	2	29420-300000	FUSE, B 30A	2	2						Z
		(A=M/#25501) (B=M/#25501)									
9	1	194151-57100	HORN	1	1	1	1	1	1	1	
10	1	172165-62800	GROMMET	1	1	1	1	1	1	1	
11	1	119247-77100	RELAY, SAFETY	1	1	1	1	1	1	1	
12	1	129136-77200	RELAY, SAFETY	1	1	1	1	1	1	1	
13	1	119650-77910	RELAY ASSY, GLOW	1	1	1	1	1	1	1	
14	1	129211-77920	TIMER	1	1	1	1	1	1	1	
15	1	22137-060000	WASHER, 6	8	8	8	8	8	8	8	
16	1	26013-060122	BOLT, M6X 12	2	2	2	2	2	2	2	
17	1	26013-060122	BOLT, M6X 12	1	1	1	1	1	1	1	
18	1	26013-060162	BOLT, M6X 16	2	2	2	2	2	2	2	
19	1	26013-060162	BOLT, M6X 16	1	1	1	1	1	1	1	
20	1	26013-060202	BOLT, M6X 20	2	2	2	2	2	2	2	
21	1	26013-060202	BOLT, M6X 20	2	2	2	2	2	2	2	
22	1	194464-52190	SWITCH, SAFETY START	2	2	2	2	2	2	2	
23	1	26776-180002	NUT, LOCK M18	2	2	2	2	2	2	2	
24	1	172958-17100	BOX, SWITCH	1	1	1	1	1	1	1	1
24-1	1	172958-17101	BOX, SWITCH	1	1	1	1	1	1	1	N
		(A=M/#26590) (B=M/#26590) (C=M/#26590) (D=M/#26590) (E=M/#26590) (F=M/#26590)									
24C	2	172958-17140	SWITCH ASSY	1	1	1	1	1	1	1	
24D	2	172958-17150	SWITCH ASSY	1	1	1	1	1	1	1	
24E	2	172958-17160	INDICATOR LAMP(CP	1	1	1	1	1	1	1	
24F	2	172958-17170	SCREW, TAPPING	1	1	1	1	1	1	1	
24G	2	172958-17180	SCREW, TAPPING	1	1	1	1	1	1	1	
24H	2	172958-17190	PACKING	1	1	1	1	1	1	1	
24I	2	172958-17200	BRACKET	1	1	1	1	1	1	1	
24J	2	172958-17210	CASE	1	1	1	1	1	1	1	
24K	2	22351-030028	PIN, SPRING 3.0X28	1	1	1	1	1	1	1	
25	1	172137-46210	SCREW	3	3	3	3	3	3	3	2
26	1	172958-64500	PLUGE 28X302 Q	1	1	1	1	1	1	1	2
27	1	172187-64900	PLUG	1	1	1	1	1	1	1	2
28	1	172958-17130	COLLAR	3	3			3			W 2
		(A=M/#20793)									
29	1	172472-17900	STAY ASSY	1							W 4
		(A=XXX)									
30	1	26587-060202	SCREW, M6X20	3							W 4
		(A=XXX)									
31A	1	172472-03290	LABEL, SWITCH	1	1	1	1	1	1		3
31B	1	172472-03300	LABEL, COVER	1	1	1	1	1	1		3

Remarks  
(1)QUICK COUPLER SPEC  
PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
REF.NO.31A,31B  
(2)QUICK COUPLER SPEC.  
(3)LABELS ARE NOT ILLUSTRATED.  
(4)QUICK COUPLER(TIM CABIN)SPEC.

Fig.23. TRAVEL ALARM

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

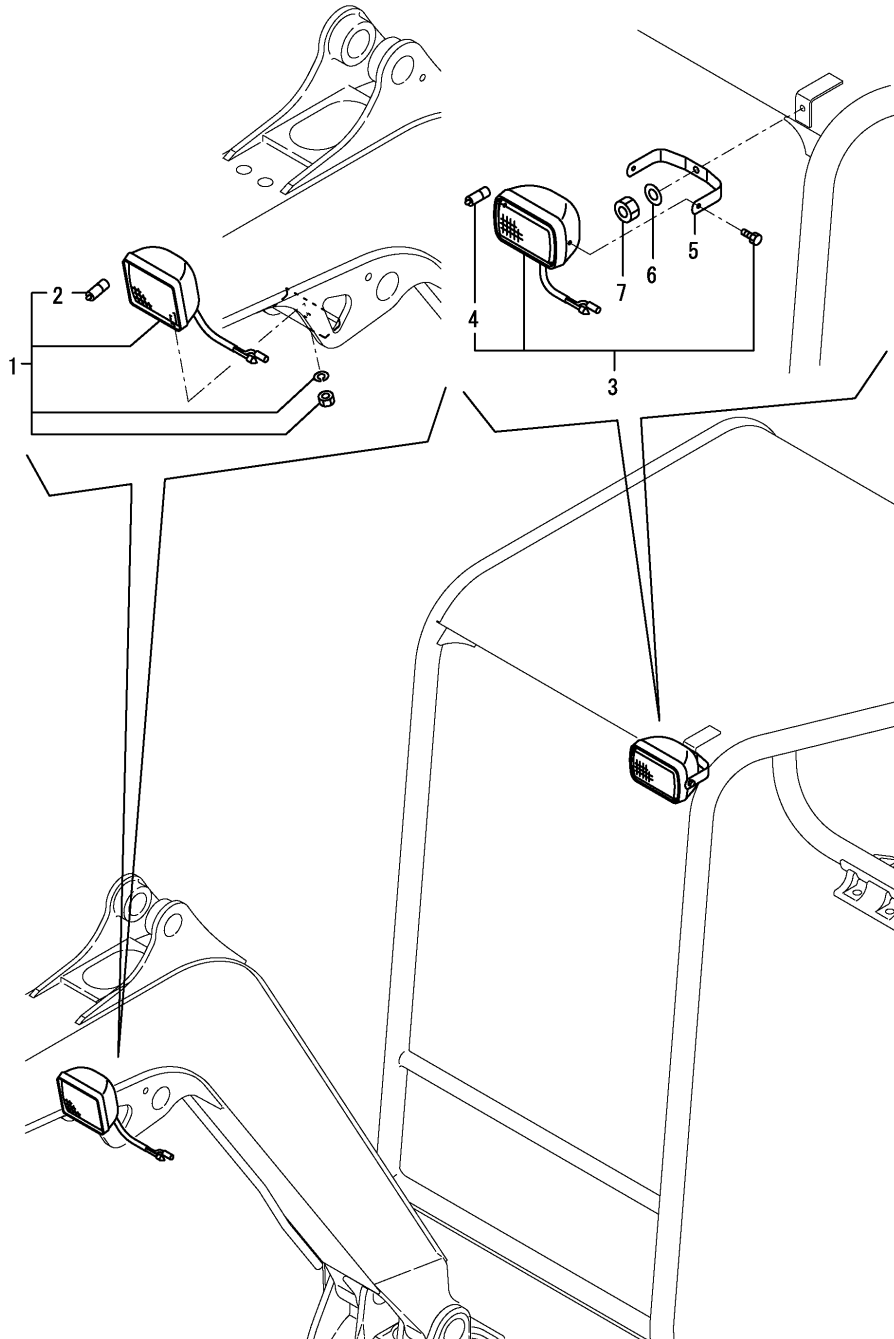
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172460-16590 (A=M/#20830)	HARNES	1	1						Z
2	1	172519-17112 (A=M/#20830)	BRACKET	2	2						Z
3	1	172472-17200 (A=M/#20852)	PLATE,ALARM	1	1	1	1	1	1		
4	1	172463-17210 (A=M/#20852)	CASE ASSY, ALARM	1	1						
4-1	1	172472-17400 (A=M/#20852)	CASE ASSY, ALARM	1	1	1	1	1	1	1	F 1
5	1	172463-17260 (A=M/#20852)	COVER ASSY, CASE	1	1						
5-1	1	172472-17470 (A=M/#20852)	COVER, ALARM CASE	1	1	1	1	1	1	1	S
6	1	172511-17351	BUZZER, BACK	1	1	1	1	1	1	1	
7	1	172460-45160 (A=M/#20830)	STAY ASSY, SWITCH	1	1						
7-1	1	172472-17250 (A=M/#20830)	BRACKET A SSW	1	1	1	1	1	1	1	N
8	1	194464-52190	SWITCH, SAFETY START	2	2	2	2	2	2	2	
9	1	172162-61850 (A=M/#20830)	GROMMET	1	1						Z
10	1	22137-080000	WASHER, 8	4	4						
10-1	1	172157-45840 (A=M/#20830)	WASHER 8X18X4	4	4	4	4	4	4	4	N
11	1	22137-100000	WASHER, 10	2	2	2	2	2	2	2	
12	1	26013-060122	BOLT, M6X 12	3	3	3	3	3	3	3	
13	1	26013-080162 (A=M/#20830)	BOLT, M8X 16	2	2						Z
14	1	26013-080202 (A=M/#20830)	BOLT, M8X 20	4	4						
14-1	1	26013-080252 (A=M/#20830)	BOLT, M8X 25	4	4	4	4	4	4	4	R
15	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2	2	
16	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2	2	
17	1	26716-080002	NUT, M8	1	1						
17-1	1	26013-080122 (A=M/#20852)	BOLT, M8X 12	1	1	1	1	1	1	1	S
18	1	26776-180002	NUT, LOCK M18	2	2	2	2	2	2	2	
19	1	933152-09280	BAND 170	3	3	3	3	3	3	3	
20	1	933168-55770	BAND 146	1	1	1	1	1	1	1	
21	1	172472-17260 (A=M/#20830)	BRACKET B SSW	1	1	1	1	1	1	1	W

Remarks  
 (1)INTERCHANGEABLE BY SIMULTANEOUS  
 REPLACEMENT WITH REF.NO.5-1 & 17-1

Fig.24. WORK LAMP & CANOPY LAMP



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

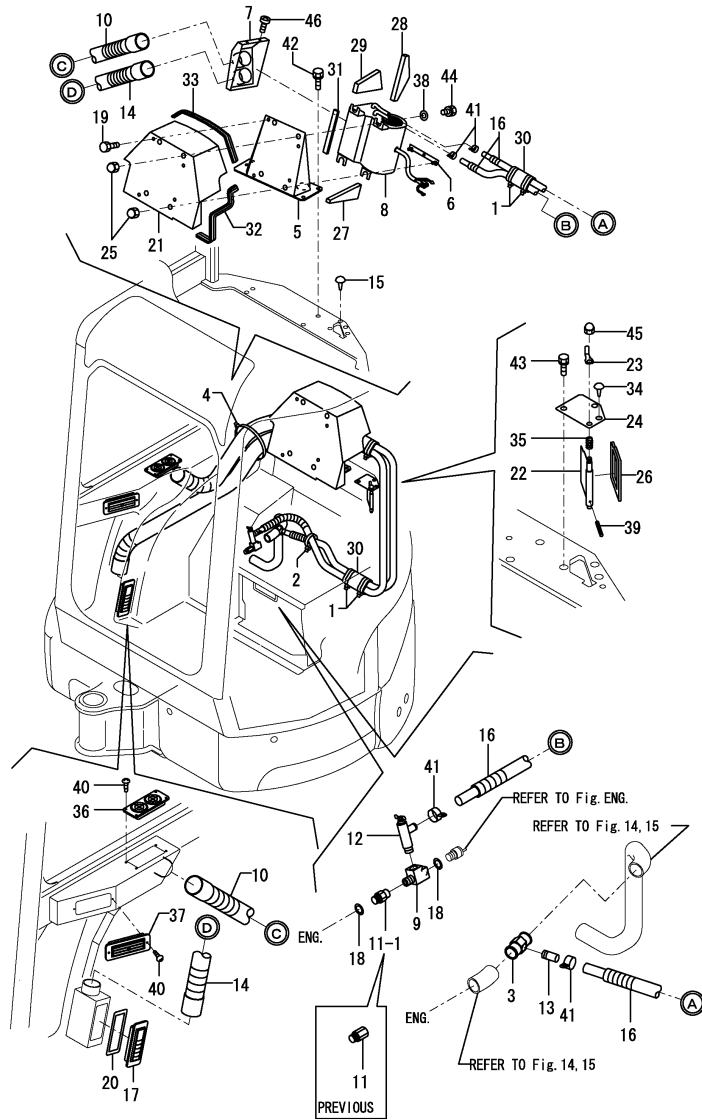
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-17450	LAMP,WORK	1	1	1	1	1	1		
2	2	172187-17540	BULB	1	1	1	1	1	1		
3	1	172458-17400	LAMP 150X95		1		1		1		
4	2	172458-17420	BULB		1		1		1		
5	1	172458-17410-1	STAY, LAMP		1		1		1		
6	1	22137-100000	WASHER, 10		1		1		1		
7	1	26346-100002	NUT, M10		1		1		1		

Fig.25. HEATER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



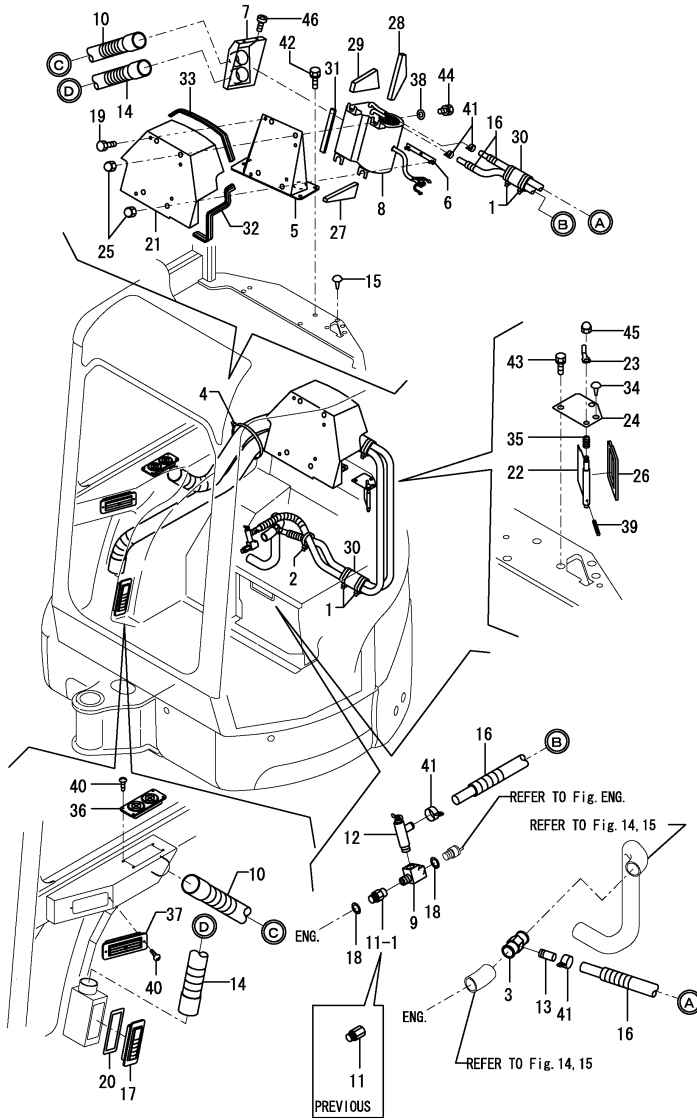
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	2	2		2				
2	1	172126-11510	BAND 300	1	1		1				
3	1	172141-13490	JOINT	1	1		1				
4	1	172183-16560	CLIP, HOSE	1	1		1				
5	1	172458-16650	HEATER FRAME	1	1		1				
6	1	172458-16690	NUT	1	1		1				
7	1	172458-16700	DUCT ASSY, HEATER	1	1		1				
8	1	172458-17550	HEATER 33RB,COVER LE	1	1						
8-1	1	172458-17551	HEATER	1	1		1				N
(A=M/#20852)											
9	1	172168-17600	CONNECTOR, PT3/8XM16	1	1		1				
10	1	172458-17620	HOSE,DEFROSTER	1	1		1				
11	1	172137-17630	JOINT, HEATER	1	1						
11-1	1	172137-17631	JOINT, HEATER	1	1		1				S
(A=M/#25501)											
12	1	172425-17630	VALVE ASSY, HEATER	1	1		1				
13	1	172124-17640	JOINT, PIPE	1	1		1				
14	1	172458-17640	HOSE,HEATER	1	1		1				
15	1	172444-17660	CLIP, TREE	1	1		1				
16	1	172458-17660	HOSE,HEATER	2	2		2				
17	1	172458-17700	GRILLE	1	1		1				
18	1	124465-44950	GASKET, 16	2	2		2				
19	1	172168-46760	BOLT M10X20	4	4		4				
20	1	172458-63400	SPONGE, GRILLE	1	1		1				
21	1	172458-63410	COVER, HEATER	1	1		1				1
22	1	172458-63420	SHAFT ASSY	1	1		1				
23	1	172458-63450	LEVER	1	1		1				
24	1	172458-63460	PLATE	1	1		1				2
25	1	172458-63470	NUT, CAP	4	4		4				
26	1	172458-63600	SEAL, SPONGE	2	2		2				
27	1	172458-63610	SEAL, SPONGE	1	1		1				
28	1	172458-63620	SEAL, SPONGE	1	1		1				
29	1	172458-63630	SEAL, SPONGE	1	1		1				
30	1	172458-63640	SPONGE, HOSE	2	2		2				
31	1	172458-63650	SEAL, SPONGE	1	1		1				
32	1	172422-65750	SEAL, DUCT	1	1		1				
33	1	172989-68640	RUBBER, SEAL	1	1		1				
34	1	172444-68650	CLIP, TREE	1	1		1				
35	1	172157-76441	SPRING	1	1		1				
36	1	1E8545-80940	GRILLE, DUCT	1	1		1				
37	1	197830-88611	GRILLE	1	1		1				
38	1	22137-100000	WASHER, 10	2	2		2				
39	1	22351-030025	PIN, SPRING 3.0X25	1	1		1				
40	1	22869-400160	SCREW, 4X16	6	6		6				
41	1	23000-022000	CLAMP, 22	4	4		4				
41-1	1	23001-022000	CLAMP, HOSE 22	4	4		4				N
(A=M/#21087)											
42	1	26013-100162	BOLT, M10X 16	4	4		4				
43	1	26013-100162	BOLT, M10X 16	2	2		2				
44	1	26013-100202	BOLT, M10X 20	2	2		2				
45	1	26657-080002	NUT, CAP M8	1	1		1				

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.47A,47B & 47C  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.48A  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.25. HEATER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
46	1	26587-040122 (A=M/#20793)	SCREW, M4X12	4	4		4				W
47A	1	172437-03310	LABEL,SLOPE	1		1		1			3
47B	1	172437-03340	LABEL,TRANSPORT	1							3
47B-1	1	172437-03341 (A=M/#21242)	LABEL,TRANSPORT	1		1		1			R 3
47C	1	172437-03371	LABEL	1		1		1			3
48A	1	172472-03180	LABEL,VENTILATION	1		1		1			3

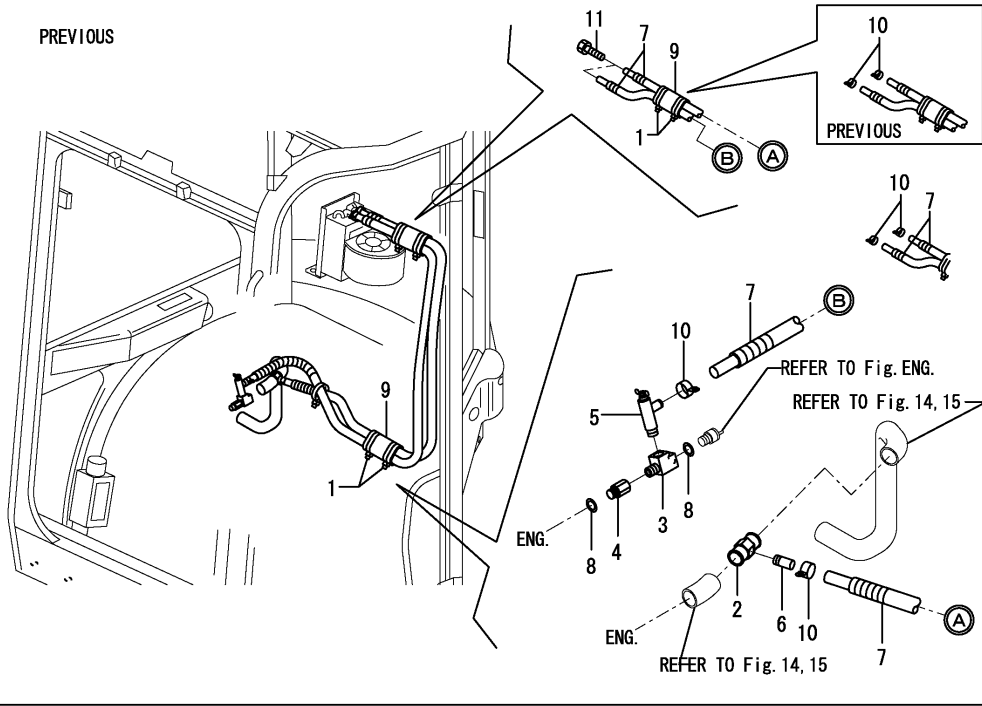
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.47A,47B & 47C  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.48A  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.26. HEATER HOSE(TIM CABIN)

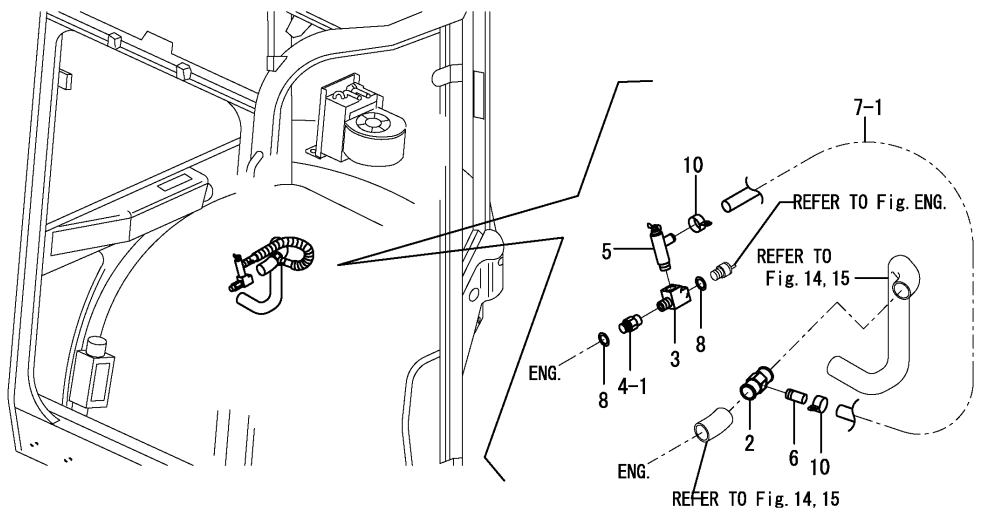
(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

PREVIOUS



NEW

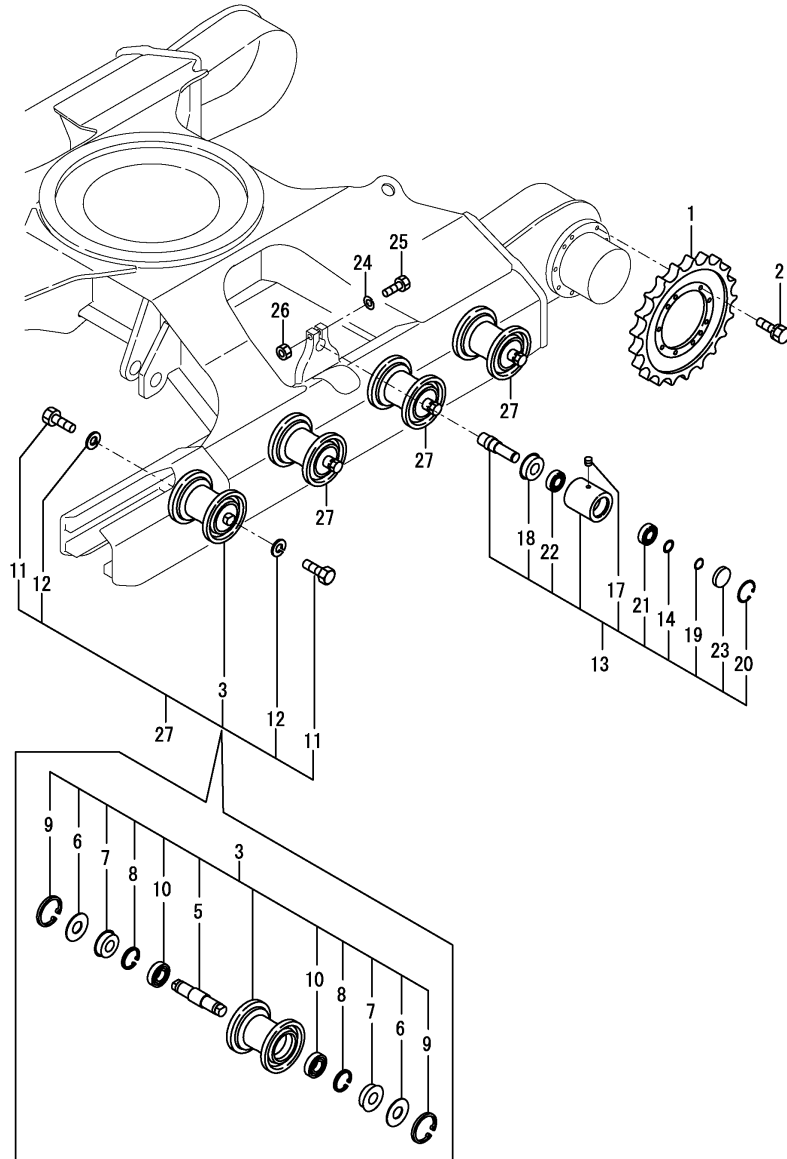


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510 (A=M/#21031)	BAND 300	2							W
1-1	1	172126-11510 (A=M/#21064)	BAND 300	2							Z
2	1	172141-13490 (A=M/#21031)	JOINT	1							W
3	1	172168-17600 (A=M/#21031)	CONNECTOR, PT3/8XM16	1							W
4	1	172137-17630 (A=M/#21031)	JOINT, HEATER	1							W
4-1	1	172137-17631 (A=M/#25501)	JOINT, HEATER	1							S
5	1	172425-17630 (A=M/#21031)	VALVE ASSY, HEATER	1							W
6	1	172124-17640 (A=M/#21031)	JOINT, PIPE	1							W
7	1	172458-17660 (A=M/#21031)	HOSE, HEATER	2							W
7-1	1	172472-17800 (A=M/#21064)	HOSE	1							N
8	1	124465-44950 (A=M/#21031)	GASKET, 16	2							W
9	1	172458-63640 (A=M/#21031)	SPONGE, HOSE	2							W
9-1	1	172458-63640 (A=M/#21064)	SPONGE, HOSE	2							Z
10	1	23000-022000 (A=M/#21031)	CLAMP, 22	4							W
10-1	1	23000-022000 (A=M/#21064)	CLAMP, 22	2							K
10-2	1	23001-022000 (A=M/#21087)	CLAMP, HOSE 22	4							N
11	1	26116-140502 (A=M/#21031)	BOLT, M14X 50 PLATED	2							W 4
11-1	1	26116-140502 (A=M/#21064)	BOLT, M14X 50 PLATED	2							Z 4

Fig.28. SPROCKET & ROLLER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

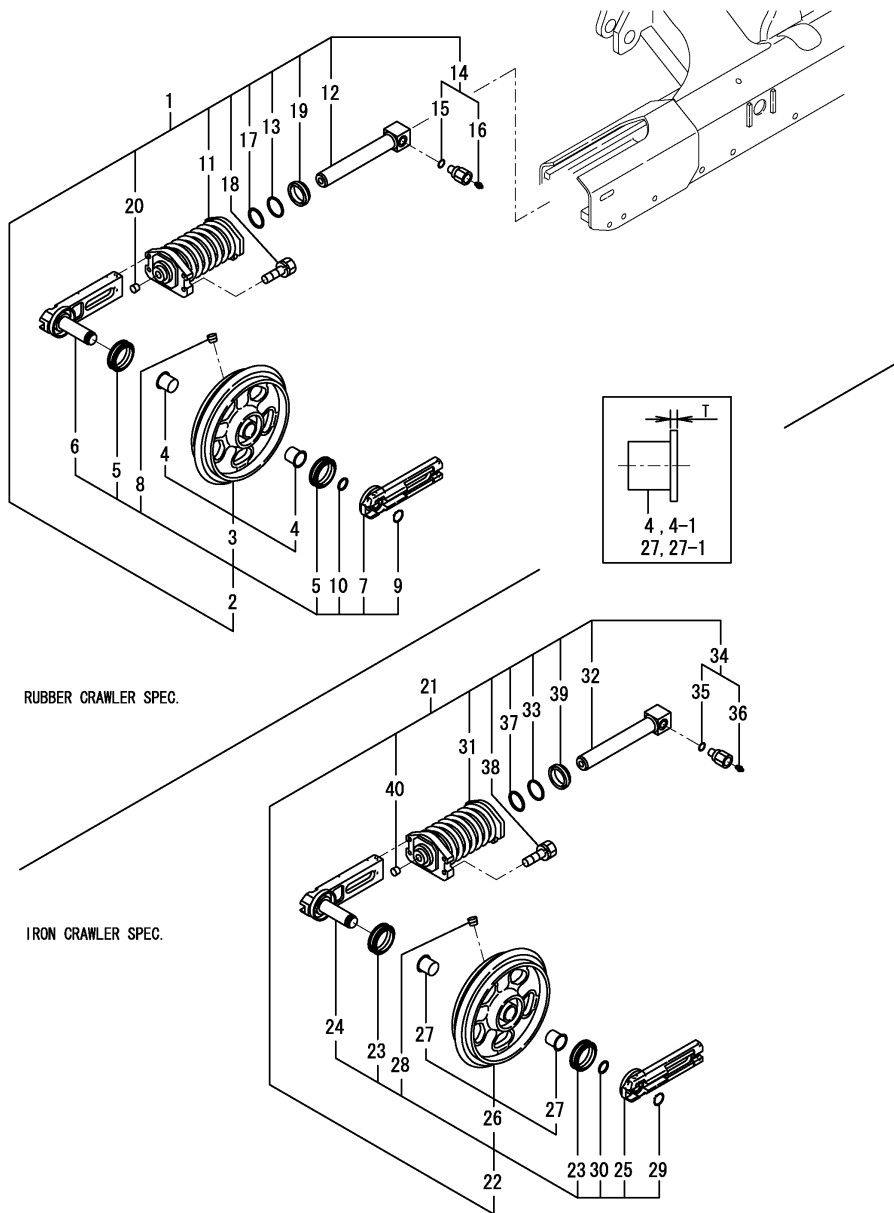
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-29100-1	SPROCKET	2	2	2	2	2	2		
2	1	26013-100252	BOLT, M10X 25	24	24	24	24	24	24		
3	1	772450-37300-1	ROLLER ASSY, TRACK	8	8						
3-1	1	172441-37301-1 (A=M/#25501) (B=M/#25501)	ROLLER, TRUCK	8	8	8	8	8	8	N	
3-2	1	172441-37302	ROLLER ASSY,TRACK	8	8	8	8	8	8	N	
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ) (E=MZZZZZ) (F=MZZZZZ)									
5	2	172422-37310	SHAFT, ROLLER	8	8	8	8	8	8		
6	2	172141-37320	SPACER	16	16	16	16	16	16		
7	2	1A1030-48250	SEAL, QLF30621218	16	16	16	16	16	16		
8	2	22252-000620	RING, 62	16	16	16	16	16	16		
9	2	22252-000750	RING, 75	16	16	16	16	16	16		
10	2	933111-73800	BEARING, BALL	16	16	16	16	16	16		
11	1	172162-82980	BOLT M16X 35	16	16						
11-1	1	172490-37310	BOLT	16	16	16	16	16	16	N	
		(A=M/#21257) (B=M/#21257)									
11-2	1	172490-37320	BOLT	16	16	16	16	16	16	F	2
		(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX) (E=M/#XXXXX) (F=M/#XXXXX)									
12	1	22217-160000	WASHER, SPRING 16	16	16						Z
		(A=M/#21257) (B=M/#21257)									
12-1	1	22217-160000	WASHER, SPRING 16	16	16	16	16	16	16	W	
		(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX) (E=M/#XXXXX) (F=M/#XXXXX)									
13	1	772458-37500-1	ROLLER ASSY, CARRIER	2	2						1
13-1	1	172458-37500-1	ROLLER ASSY, CARRIER	2	2	2	2	2	2	R	1
		(A=M/#21168) (B=M/#21168)									
14	2	172614-23190	COLLAR, 25X34X2	2	2						
14-1	2	172458-37590	COLLAR	2	2	2	2	2	2	R	
		(A=M/#21168) (B=M/#21168)									
17	2	194630-42120	PLUG, PT1/8	2	2	2	2	2	2		
18	2	1A1030-48250	SEAL, QLF30621218	2	2						
18-1	2	172458-37580	SEAL, OIL	2	2	2	2	2	2	R	
		(A=M/#21168) (B=M/#21168)									
19	2	22242-000250	RING, 25	2	2						
20	2	22252-000521	RING, 52	2	2						
21	2	24101-062054	BEARING, BALL 6205	2	2						
22	2	24102-062054	BEARING, BALL 6205U	2	2						
23	2	27260-520000	PLUG, 52	2	2						
24	1	22217-140000	WASHER, SPRING 14	2	2						
25	1	26116-140652	BOLT, M14X 65 PLATED	2	2						
26	1	26716-140002	NUT, M14	2	2						
27	1	772441-37300	ROLLER ASSY, TRACK	8	8	8	8	8	8	W	3
		(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX) (E=M/#XXXXX) (F=M/#XXXXX)									

Remarks  
 (1)SHAFT,CARRIER ROLLER WAS STOOPED TO SUPPLY.  
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.12-1.  
 (3)INC.REF.NO.3-1,11-2,12-1.

Fig.29. IDLER & ADJUST



RUBBER CRAWLER SPEC.

IRON CRAWLER SPEC.

Remarks

- (1)Rubber crawler specification.
- (2)Iron crawler specification.
- (3)T=No.4 & 27 : 2mm, No.4-1 & 27-1 : 4.5mm.

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

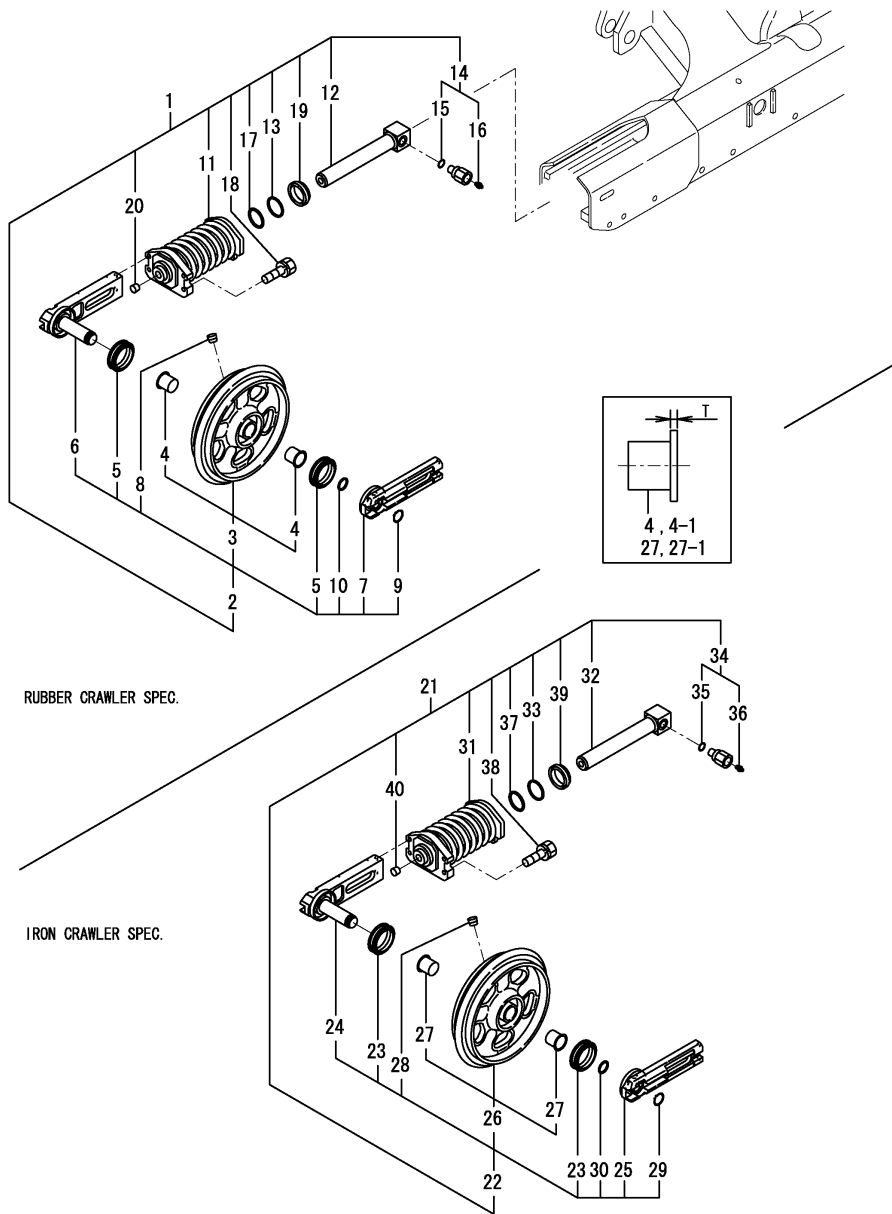
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772458-37200-1	IDLER ASSY, RUBBER	2	2	2	2	2	2	1	
2	2	772458-37100-1	IDLER ASSY	2	2	2	2	2	2	1	
3	3	172458-37100-1	IDLER ASSY	2	2	2	2	2	2		
3-1	3	172458-37101-1	IDLER ASSY	2	2	2	2	2	2	N	
		(A=M51229) (B=M51229) (C=M51229) (D=M51229) (E=M51229) (F=M51229)									
3-2	3	172458-37102-2	IDLER ASSY	2	2	2	2	2	2	N	
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
4	4	172423-37370	BUSH	4	4	4	4	4	4		
4-1	4	172A77-37370	BUSH	4	4	4	4	4	4	S	3
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
5	3	172458-37120	SEAL, FLOATING	4	4	4	4	4	4		
6	3	172458-37130	SHAFT ASSY, IDLER	2	2	2	2	2	2		
6-1	3	172458-37131	SHAFT ASSY, IDLER	2	2	2	2	2	2	N	
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
7	3	172458-37150	COVER, SEAL	2	2	2	2	2	2		
7-1	3	172458-37151	COVER, SEAL	2	2	2	2	2	2	N	
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
8	3	194630-42120	PLUG, PT1/8	2	2	2	2	2	2		
9	3	22242-000300	RING, 30	2	2	2	2	2	2		
10	3	24321-000300	O-RING, 1AG30.0	2	2	2	2	2	2		
11	2	172458-37700	SPRING ASSY, CRAWLER	2	2	2	2	2	2		
12	2	172422-37780	PISTON ASSY, ADJUST	2	2	2	2	2	2		
13	2	172122-37830	RING, BUCK UP	2	2	2	2	2	2		
13-1	2	172460-37750	RING, BACK UP	2	2	2	2	2	2	N	
		(A=XXX) (B=XXX) (C=XXX) (D=XXX) (E=XXX) (F=XXX)									
14	2	172122-37844	VALVE ASSY, NIPPLE	2	2	2	2	2	2		
15	3	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
16	3	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2	2		
17	2	24325-000400	O-RING, 1BG40.0	2	2	2	2	2	2		
18	2	26013-100402	BOLT, M10X 40	8	8	8	8	8	8		
19	2	933111-23600	SEAL, OIL	2	2	2	2	2	2		
20	2	933171-13691	PLUG	2	2	2	2	2	2		
21	1	772458-37120-1	IDLER ASSY, IRON	2	2	2	2	2	2	2	
22	2	772458-37110-1	IDLER ASSY	2	2	2	2	2	2	2	
23	3	172458-37120	SEAL, FLOATING	4	4	4	4	4	4		
24	3	172458-37130	SHAFT ASSY, IDLER	2	2	2	2	2	2		
24-1	3	172458-37131	SHAFT ASSY, IDLER	2	2	2	2	2	2	N	
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
25	3	172458-37150	COVER, SEAL	2	2	2	2	2	2		
25-1	3	172458-37151	COVER, SEAL	2	2	2	2	2	2	N	
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
26	3	172458-37170-1	IDLER, 295	2	2	2	2	2	2		
26-1	3	172458-37171-1	IDLER ASSY	2	2	2	2	2	2	N	
		(A=M51229) (B=M51229) (C=M51229) (D=M51229) (E=M51229) (F=M51229)									
26-2	3	172458-37172-2	IDLER ASSY	2	2	2	2	2	2	N	
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
27	4	172423-37370	BUSH	4	4	4	4	4	4		
27-1	4	172A77-37370	BUSH	4	4	4	4	4	4	S	3
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
28	3	194630-42120	PLUG, PT1/8	2	2	2	2	2	2		
29	3	22242-000300	RING, 30	2	2	2	2	2	2		



Fig.29. IDLER & ADJUST

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



RUBBER CRAWLER SPEC.

IRON CRAWLER SPEC.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
30	3	24321-000300	O-RING, 1AG30.0	2	2	2	2	2	2		
31	2	172458-37700	SPRING ASSY, CRAWLER	2	2	2	2	2	2		
32	2	172422-37780	PISTON ASSY, ADJUST	2	2	2	2	2	2		
33	2	172122-37830	RING, BUCK UP	2	2	2	2	2	2		
33-1	2	172460-37750	RING, BACK UP	2	2	2	2	2	2		N
		(A=XXX) (B=XXX) (C=XXX) (D=XXX) (E=XXX) (F=XXX)									
34	2	172122-37844	VALVE ASSY, NIPPLE	2	2	2	2	2	2		
35	3	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
36	3	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2	2		
37	2	24325-000400	O-RING, 1BG40.0	2	2	2	2	2	2		
38	2	26013-100402	BOLT, M10X 40	8	8	8	8	8	8		
39	2	933111-23600	SEAL, OIL	2	2	2	2	2	2		
40	2	933171-13691	PLUG	2	2	2	2	2	2		

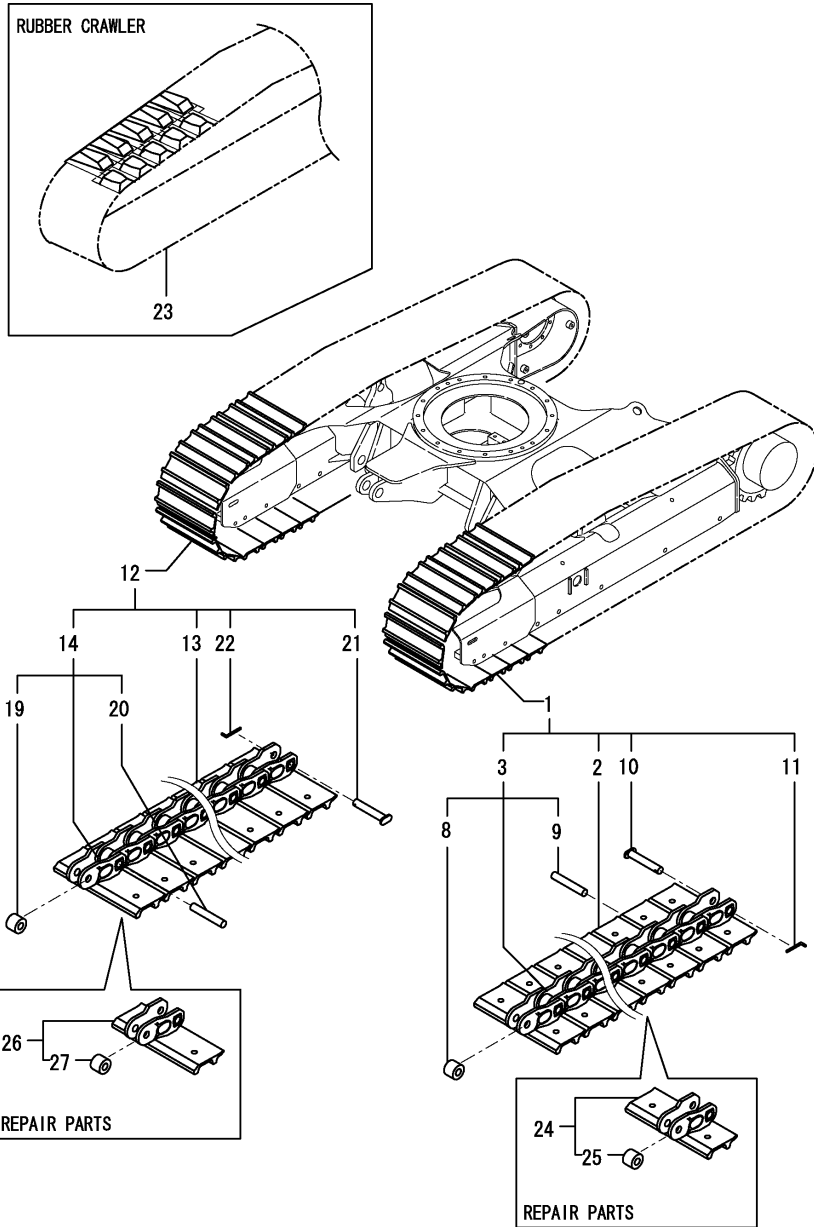
Remarks

- (1)Rubber crawler specification.
- (2)Iron crawler specification.
- (3)T=No.4 & 27 : 2mm, No.4-1 & 27-1 : 4.5mm.

Fig.30. CRAWLER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



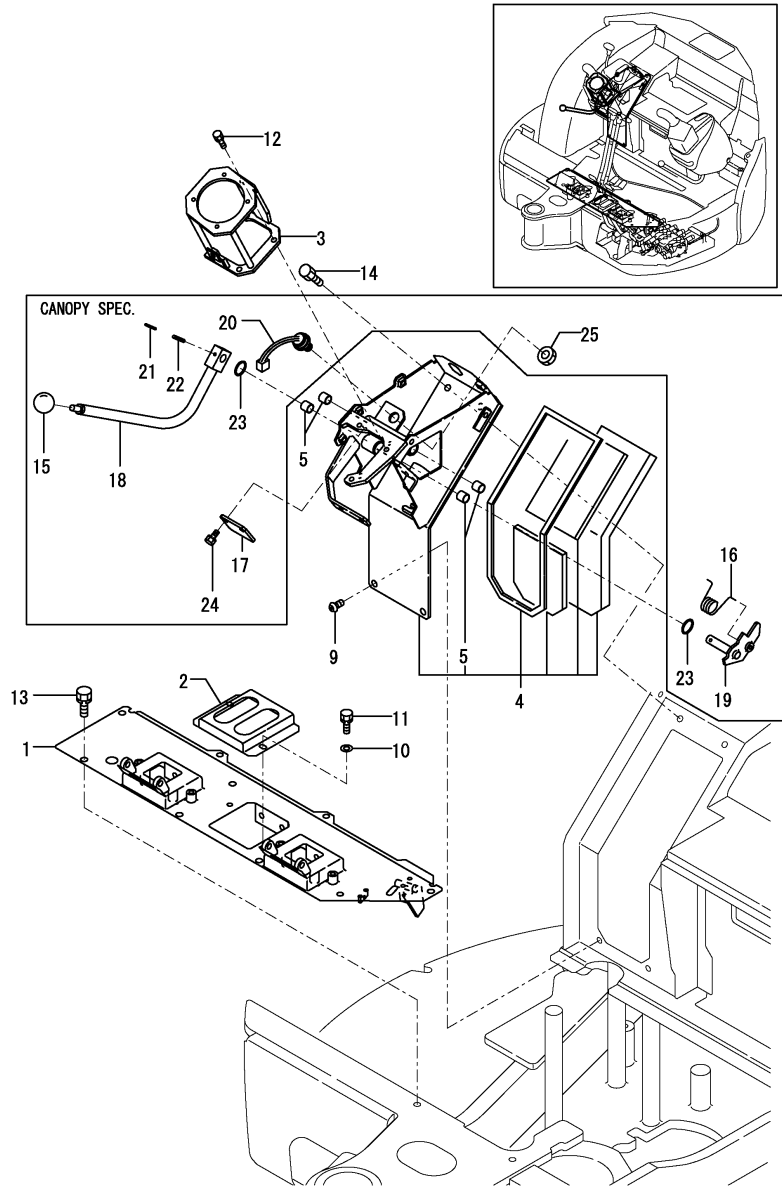
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-38100-1	SHOE ASSY, TRACK 300	1	1	1	1	1	1		1
2	2	172458-38110-1	PLATE, SHOE 300L(71)	41	41	41	41	41	41		
3	2	172457-38140-1	LINK ASSY, TRACK(71)	1	1	1	1	1	1		
8	3	172458-38200	BUSH,TRUCK	41	41	41	41	41	41		
9	3	172458-38210	PIN,TRUCK	40	40	40	40	40	40		
10	3	172458-38220	PIN,MASTER	1	1	1	1	1	1		
11	3	172458-38230	STOP PIN	1	1	1	1	1	1		
12	1	172457-38120-1	SHOE ASSY, TRACK 300	1	1	1	1	1	1		1
13	2	172458-38130-1	PLATE, SHOE 300R(71)	41	41	41	41	41	41		
14	2	172457-38140-1	LINK ASSY, TRACK(71)	1	1	1	1	1	1		
19	3	172458-38200	BUSH,TRUCK	41	41	41	41	41	41		
20	3	172458-38210	PIN,TRUCK	40	40	40	40	40	40		
21	3	172458-38220	PIN,MASTER	1	1	1	1	1	1		
22	3	172458-38230	STOP PIN	1	1	1	1	1	1		
23	1	172457-38600	CRAWLER, RUBBER 260	2	2	2	2	2	2		2
24	1	172458-38300-1	TRACK ASSY, MASTER	1	1	1	1	1	1		
25	2	172458-38200	BUSH,TRUCK	1	1	1	1	1	1		
26	1	172458-38310-1	TRACK ASSY, MASTER	1	1	1	1	1	1		
27	2	172458-38200	BUSH,TRUCK	1	1	1	1	1	1		

Remarks  
 (1)IRON CRAWLER SPEC.  
 (2)RUBBER CRAWLER SPEC.

Fig.31. CONTROL EQUIPMENT(LOCK LEVER & STAND)(RIGHT)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



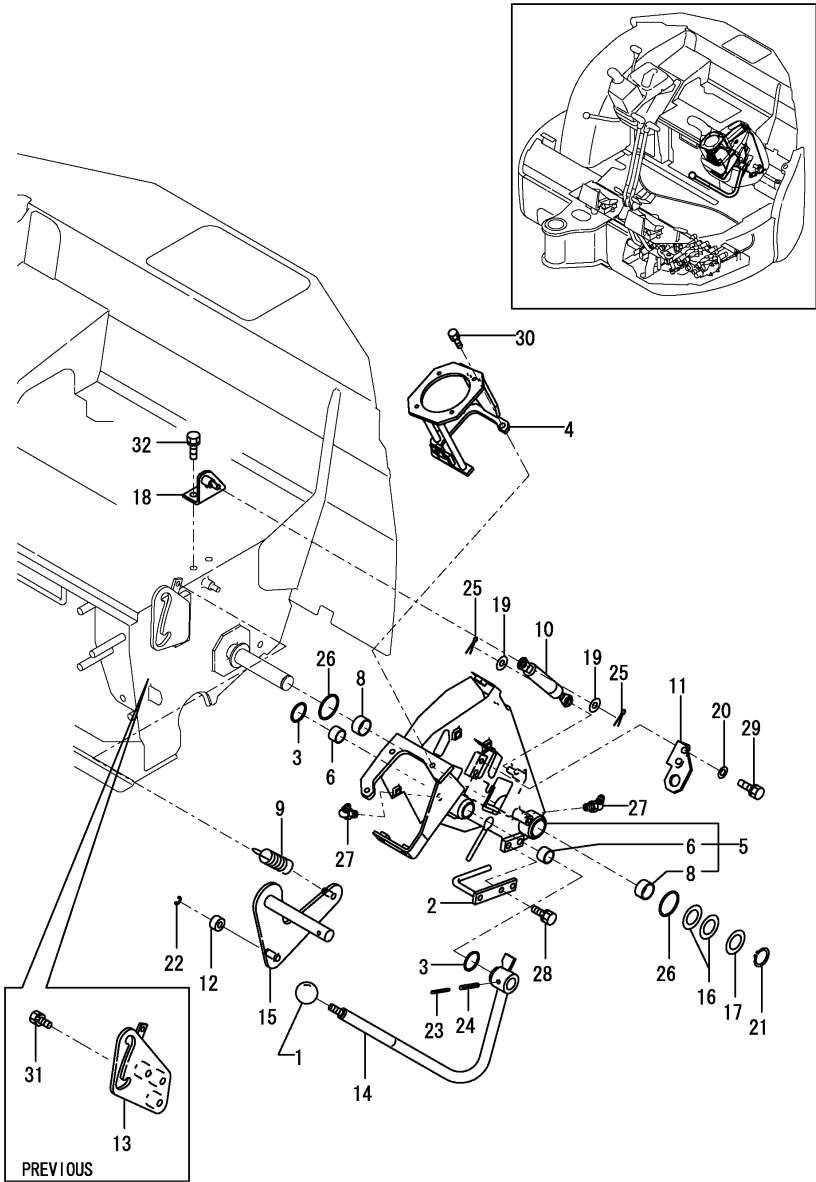
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-45400	STAND ASSY, LINK	1	1	1	1	1	1		
1-1	1	172472-45401	STAND ASSY, LINK	1	1	1	1	1	1		N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ)		(E=MZZZZZ)	(F=MZZZZZ)						
2	1	172458-45510	BRACKET,BOOT(BLACK12	1	1	1	1	1	1		
3	1	172472-46210	BRACKET ASSY,R (73)	1	1	1	1	1	1		
4	1	172472-46800	STAND, LEVER	1	1						
4-1	1	172472-46801	STAND, LEVER	1	1	1	1	1	1		N
		(A=M/#25532) (B=M/#25532)									
5	2	172141-41360	BUSH 1415	4	4	4	4	4	4		
9	1	172455-61720	BOLT M 10X20	2	2	2	2	2	2		
10	1	22137-080000	WASHER, 8	2	2	2	2	2	2		
11	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
12	1	26013-080202	BOLT, M8X 20	3	3	3	3	3	3		
13	1	26013-100202	BOLT, M10X 20	6	6	6	6	6	6		
14	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
15	1	1D4070-23580	GRIP		1		1		1		
16	1	172165-45970	SPRING		1		1		1		
17	1	172458-46950	PLATE (GRAY:73)		1		1		1		
18	1	172458-47680	LEVER R (GRAY:72)		1		1		1		1
19	1	172458-47710	SHAFT ASSY		1		1		1		
20	1	194464-52190	SWITCH, SAFETY START		1		1		1		
21	1	22351-030032	PIN, SPRING 3.0X32		1		1		1		
22	1	22351-050032	PIN, SPRING 5.0X32		1		1		1		
23	1	24311-000210	O-RING, 1AP21.0		2		2		2		
24	1	26013-080162	BOLT, M8X 16		2		2		2		
25	1	26776-180002	NUT, LOCK M18		1		1		1		
26A	1	172183-03280	LABEL,LOCK		1		1		1		2

Remarks

(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.26A

(2)LABELS ARE NOT ILLUSTRATED.

Fig.32. CONTROL EQUIPMENT(LOCK LEVER & STAND)(LEFT)



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

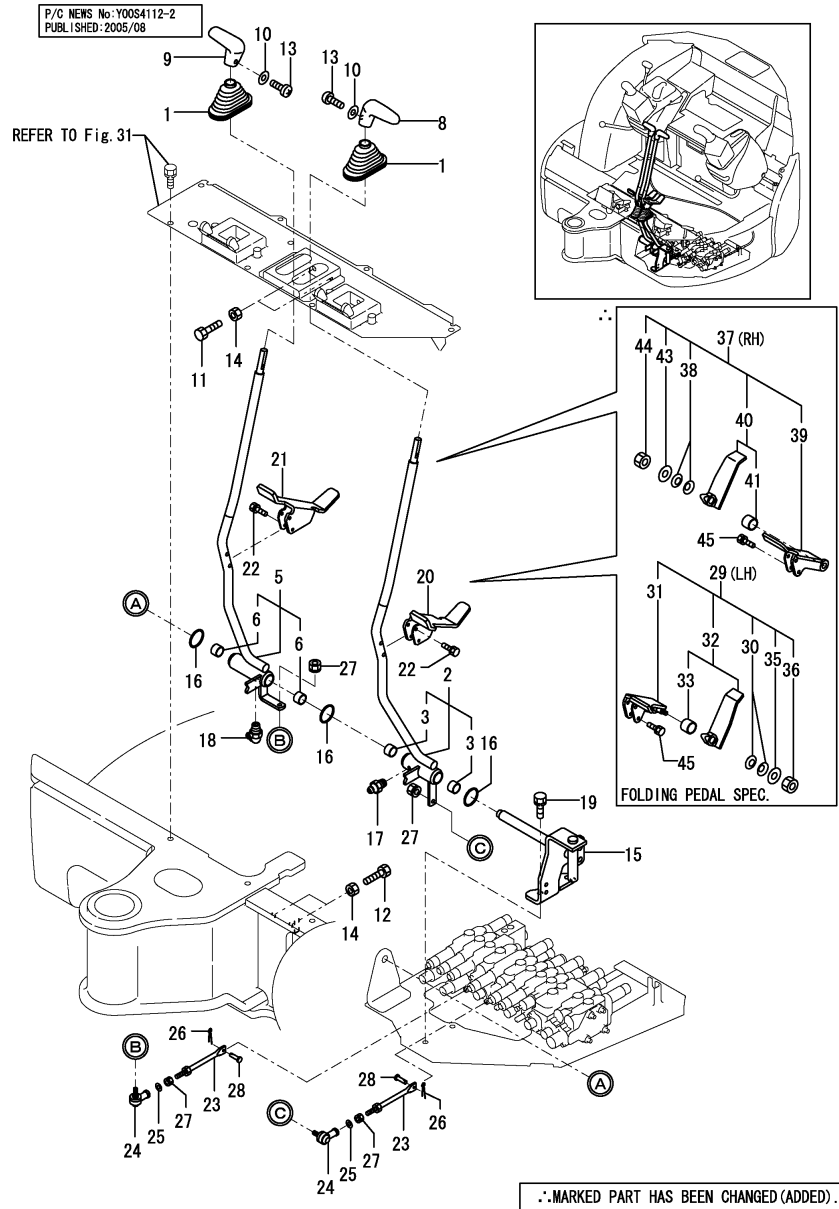
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1D4070-23580	GRIP	1	1	1	1	1	1		
2	1	172458-45850	GUIDE, HOSE	1	1	1	1	1	1		
3	1	172124-46200	O-RING	2	2	2	2	2	2		
4	1	172472-46220	BRACKET ASSY,L (73)	1	1	1	1	1	1		
5	1	172472-46600	STAND, LEVER	1	1	1	1	1	1		
6	2	172141-41370	BUSH 2015	2	2	2	2	2	2		
8	2	24550-025150	BUSH, 25X15	2	2	2	2	2	2		
9	1	172162-46690	SPRING	1	1	1	1	1	1		
10	1	172455-46890	SPRING, GAS	1	1	1	1	1	1		
11	1	172455-46950	BRACKET, SWITCH	1	1	1	1	1	1		
12	1	172165-47550	BUSH	1	1	1	1	1	1		
13	1	172472-47601	GUIDE ASSY, LOCK	1	1						Z
(A=M/#25501) (B=M/#25501)											
14	1	172472-47620	LOCK LEVER L-US (72)	1	1	1	1	1	1		1
15	1	172458-47640	ROD,SPRING (GRAY:73)	1	1	1	1	1	1		
16	1	172165-47980	SHIM	2	2	2	2	2	2		
17	1	172165-47990	WASHER 25.5X42	1	1	1	1	1	1		
18	1	172472-64600	BRACKET (GRAY:73)	1	1	1	1	1	1		
19	1	22137-080000	WASHER, 8	2	2	2	2	2	2		
20	1	22137-080000	WASHER, 8	2	2	2	2	2	2		
21	1	22242-000250	RING, 25	1	1	1	1	1	1		
22	1	22272-000070	RING, E- 7	1	1	1	1	1	1		
23	1	22351-035040	PIN, SPRING 3.5X40	1	1	1	1	1	1		
24	1	22351-060040	PIN, SPRING 6.0X40	1	1	1	1	1	1		
25	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2	2	2		
26	1	24311-000340	O-RING, 1AP34.0	2	2	2	2	2	2		
27	1	24761-050000	NIPPLE, GREASE C	2	2	2	2	2	2		
28	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
29	1	26013-080202	BOLT, M8X 20	2	2	2	2	2	2		
30	1	26013-080202	BOLT, M8X 20	3	3	3	3	3	3		
31	1	26013-100202	BOLT, M10X 20	3	3						Z
(A=M/#25501) (B=M/#25501)											
32	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
33A	1	172183-03280	LABEL,LOCK	1	1	1	1	1	1		2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.33A  
 (2)LABELS ARE NOT ILLUSTRATED.

Fig.33. CONTROL EQUIPMENT(TRAVEL LEVER)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-41340	BOOTS	2	2	2	2	2	2		
2	1	172472-45100	LEVER L,TRACK(GRAY72)	1	1	1	1	1	1		
3	2	172141-41370	BUSH 2015	2	2	2	2	2	2		
5	1	172472-45140	LEVER R,TRACK(GRAY72)	1	1	1	1	1	1		
6	2	172141-41370	BUSH 2015	2	2	2	2	2	2		
8	1	172187-45870	GRIP, DRIVE	1	1	1	1	1	1		
9	1	172187-45880	GRIP, DRIVE	1	1	1	1	1	1		
10	1	22117-040000	WASHER, 4	2	2	2	2	2	2		
11	1	26116-100404	BOLT, M10X 40 PLATED	2	2	2	2	2	2		
12	1	26116-100604	BOLT, M10X 60 PLATED	2	2	2	2	2	2		
13	1	26587-040122	SCREW, M4X12	2	2	2	2	2	2		
14	1	26716-100002	NUT, M10	4	4	4	4	4	4		
15	1	172472-45660	BRACKET ASSY (TRUCK	1	1	1	1	1	1		
16	1	172124-46200	O-RING	3	3	3	3	3	3		
17	1	24761-020000	NIPPLE, GREASE PT1/8	1	1	1	1	1	1		
18	1	24761-050000	NIPPLE, GREASE C	1	1	1	1	1	1		
19	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		
20	1	172472-45550	PEDAL L ASSY(TRACK	1	1	1	1	1	1		
20-1	1	172472-45600	PEDAL L, TRACK F (72)	1	1	1	1	1	1	N	1
		(A=M/#20931) (B=M/#20931)									
21	1	172472-45580	PEDAL R ASSY(TRACK	1	1						
21-1	1	172472-45620	PEDAL R, TRACK F (72)	1	1	1	1	1	1	N	1
		(A=M/#20931) (B=M/#20931)									
22	1	26013-060352	BOLT, M6X 35	4	4	4	4	4	4		
23	1	172458-45250	ROD 91 ASSY	2	2	2	2	2	2		
24	1	172122-46590	ELBOW	2	2	2	2	2	2		
25	1	22117-080000	WASHER, 8	2	2	2	2	2	2		
26	1	22417-160160	PIN, COTTER 1.6X16	2	2	2	2	2	2		
27	1	26051-080002	NUT, M8	4	4	4	4	4	4		
28	1	933110-54100	PIN 4.75X14	2	2	2	2	2	2		
29	1	172472-45601	PEDAL L, TRACK (72)	1	1	1	1	1	1	W	2
		(A="2004.09) (B="2004.09) (C="2004.09) (D="2004.09) (E="2004.09) (F="2004.09)									
30	2	172068-28490	SPRING	2	2	2	2	2	2		
31	2	172472-45720	PEDAL FL ASSY, TRACK	1	1	1	1	1	1		
32	2	172472-45810	PEDAL RL, TRACK (72)	1	1	1	1	1	1		
33	3	172110-45050	BUSH 12X12	1	1	1	1	1	1		
35	2	22137-080000	WASHER, 8	1	1	1	1	1	1		
36	2	26347-080002	NUT, M8	1	1	1	1	1	1		
37	1	172472-45621	PEDAL R, TRACK (72)	1	1	1	1	1	1	W	2
		(A="2004.09) (B="2004.09) (C="2004.09) (D="2004.09) (E="2004.09) (F="2004.09)									
38	2	172068-28490	SPRING	2	2	2	2	2	2		
39	2	172472-45730	PEDAL FR ASSY, TRACK	1	1	1	1	1	1		
40	2	172472-45850	PEDAL RR, TRACK (72)	1	1	1	1	1	1		
41	3	172110-45050	BUSH 12X12	1	1	1	1	1	1		
43	2	22137-080000	WASHER, 8	1	1	1	1	1	1		
44	2	26347-080002	NUT, M8	1	1	1	1	1	1		
45	1	26013-060302	BOLT, M6X 30	4	4	4	4	4	4		

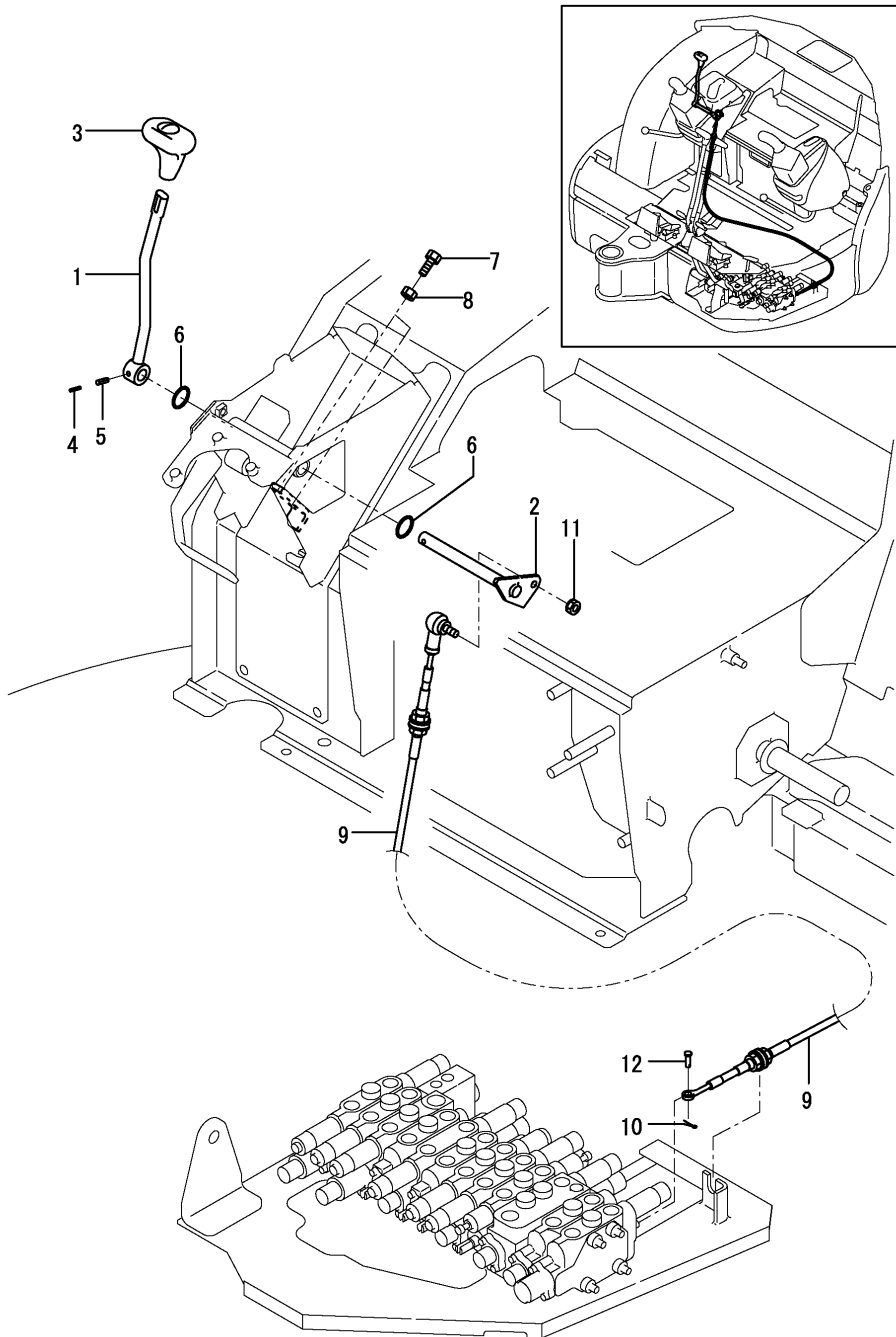
..MARKED PART HAS BEEN CHANGED (ADDED).

Remarks  
 (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.29,37,45.  
 (2)FOLDING PEDAL SPEC.

Fig.34. CONTROL EQUIPMENT(BLADE LEVER)

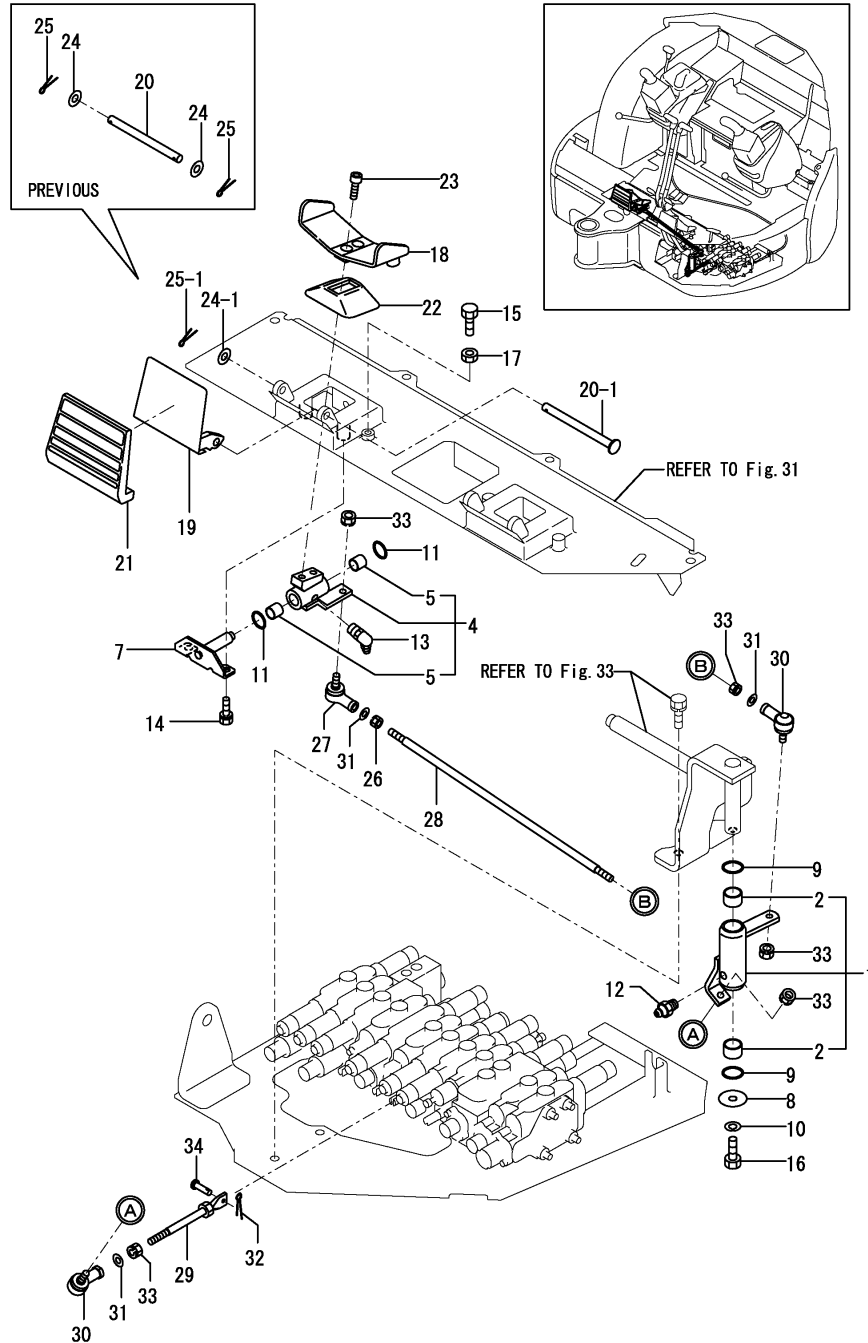
(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-45700	LEVER, BLADE (GRAY:72)	1	1	1	1	1	1		
2	1	172458-45720	SHAFT ASSY	1	1	1	1	1	1		
3	1	172164-45970	GRIP, BLADE	1	1	1	1	1	1		
4	1	22351-030032	PIN, SPRING 3.0X32	1	1	1	1	1	1		
5	1	22351-050032	PIN, SPRING 5.0X32	1	1	1	1	1	1		
6	1	24311-000210	O-RING, 1AP21.0	2	2	2	2	2	2		
7	1	26116-080202	BOLT, M8X 20 PLATED	2	2						
7-1	1	26116-080254	BOLT, M8X 25 PLATED	2	2	2	2	2	2		N
		(A=M/#21135) (B=M/#21135)									
8	1	26716-080002	NUT, M8	2	2	2	2	2	2		
9	1	172472-45800	CABLE, BLADE	1	1	1	1	1	1		
10	1	22417-160160	PIN, COTTER 1.6X16	1	1	1	1	1	1		
11	1	26051-080002	NUT, M8	1	1	1	1	1	1		
12	1	933110-54100	PIN 4.75X14	1	1	1	1	1	1		

Fig.35. CONTROL EQUIPMENT(SWING PEDAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-45180	LINK, SWING (GRAY:72)	1	1	1	1	1	1		
2	2	172141-41370	BUSH 2015	2	2	2	2	2	2		
4	1	172458-45200	LINK, PEDAL (GRAY:72)	1	1	1	1	1	1		
5	2	172141-41360	BUSH 1415	2	2	2	2	2	2		
7	1	172458-45230	SHAFT, PEDAL	1	1	1	1	1	1		
8	1	1A1040-45890	WASHER, 10X36X4.5	1	1	1	1	1	1		
9	1	172124-46200	O-RING	2	2	2	2	2	2		
10	1	22217-100000	WASHER, SPRING 10	1	1	1	1	1	1		
11	1	24311-000210	O-RING, 1AP21.0	2	2	2	2	2	2		
12	1	24761-020000	NIPPLE, GREASE PT1/8	1	1	1	1	1	1		
13	1	24761-040000	NIPPLE, GREASE B	1	1	1	1	1	1		
14	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
15	1	26116-080254	BOLT, M8X 25 PLATED	2	2	2	2	2	2		
16	1	26116-100202	BOLT, M10X 20 PLATED	1	1	1	1	1	1		
17	1	26716-080002	NUT, M8	2	2	2	2	2	2		
18	1	172458-45521	PEDAL, SWING (GRAY:72)	1	1	1	1	1	1		
19	1	172458-45540	COVER, PEDAL	1	1	1	1	1	1		
20	1	172187-45650	SHAFT, COVER	1	1	1	1	1	1		
20-1	1	172187-45651	SHAFT	1	1	1	1	1	1		R
		(A=M/#21146) (B=M/#21146)									
21	1	172187-45760	COVER PAD	1	1	1	1	1	1		
22	1	172157-45990	BOOTS, PEDAL	1	1	1	1	1	1		
23	1	172165-46340	BOLT	2	2	2	2	2	2		
24	1	22137-100000	WASHER, 10	2	2						
24-1	1	22137-100000	WASHER, 10	1	1	1	1	1	1		K
		(A=M/#21146) (B=M/#21146)									
25	1	22417-250200	PIN, COTTER 2.5X20	2	2						
25-1	1	22417-250200	PIN, COTTER 2.5X20	1	1	1	1	1	1		K
		(A=M/#21146) (B=M/#21146)									
26	1	194200-37780	NUT, M8	1	1	1	1	1	1		
27	1	172734-41300	JOINT, BALL	1	1	1	1	1	1		
28	1	172146-45610	ROD(R), LINK	1	1	1	1	1	1		
29	1	172823-45940	ROD 130 COMP.	1	1	1	1	1	1		
30	1	172122-46590	ELBOW	2	2	2	2	2	2		
31	1	22117-080000	WASHER, 8	3	3	3	3	3	3		
32	1	22417-160160	PIN, COTTER 1.6X16	1	1	1	1	1	1		
33	1	26051-080002	NUT, M8	5	5	5	5	5	5		
34	1	933110-54100	PIN 4.75X14	1	1	1	1	1	1		

Fig.36. CONTROL EQUIPMENT(LOW-HIGH PEDAL)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172162-12480	SPRING, RETURN	1	1	1	1	1	1		
2	1	1A1040-43900	WASHER, SPRING	1	1	1	1	1	1		
3	1	172472-45900	PEDAL,LO-HI(GRAY:72)	1	1						
3-1	1	172487-45900 (A=M/#21230) (B=M/#21230)	PEDAL,LO-HI(GRAY:72)	1	1	1	1	1	1		N
4	1	172458-45920	BRACKET,PEDAL(GRAY72)	1	1	1	1	1	1		
5	2	172141-41360	BUSH 1415	2	2	2	2	2	2		
7	1	172458-45950	PAD,PEDAL	1	1	1	1	1	1		
8	1	24311-000210	O-RING, 1AP21.0	2	2	2	2	2	2		
9	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
10	1	26013-080202	BOLT, M8X 20	1	1	1	1	1	1		

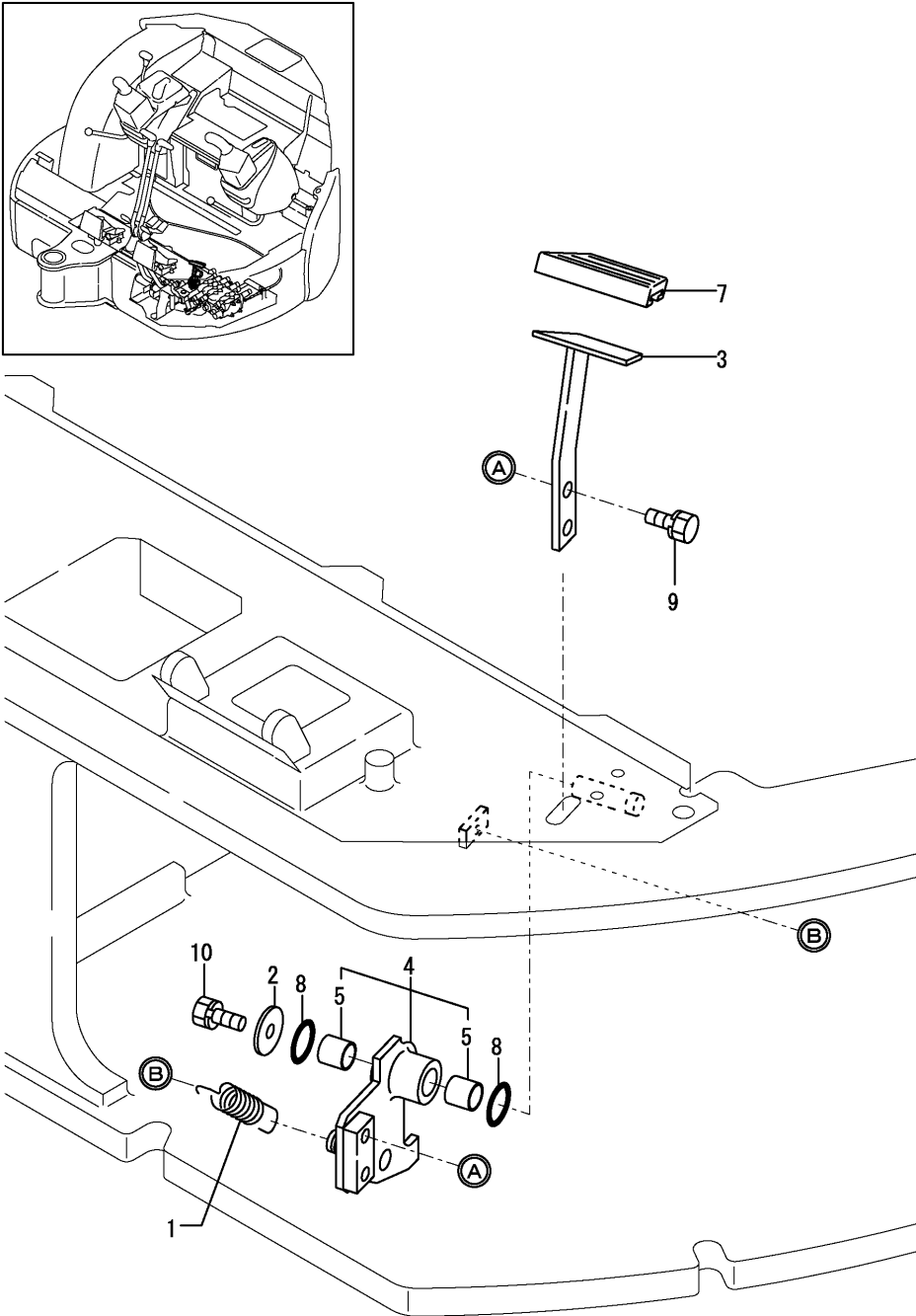
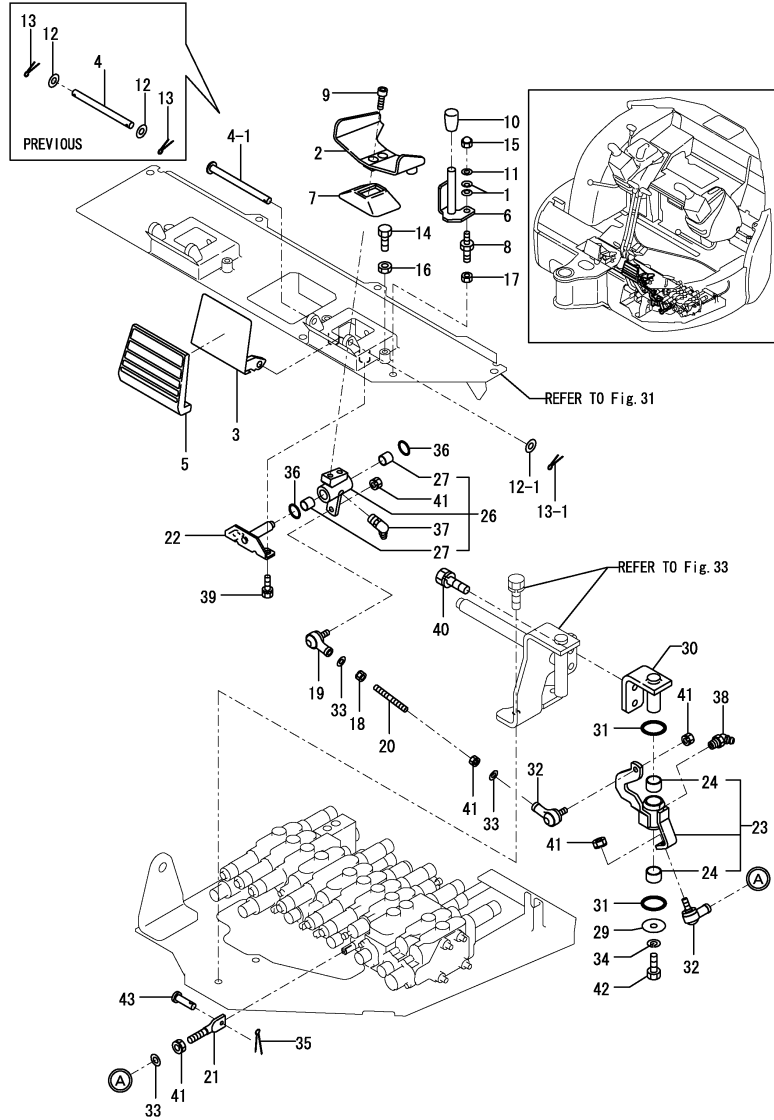




Fig.37. CONTROL EQUIPMENT(P.T.O.PEDAL)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



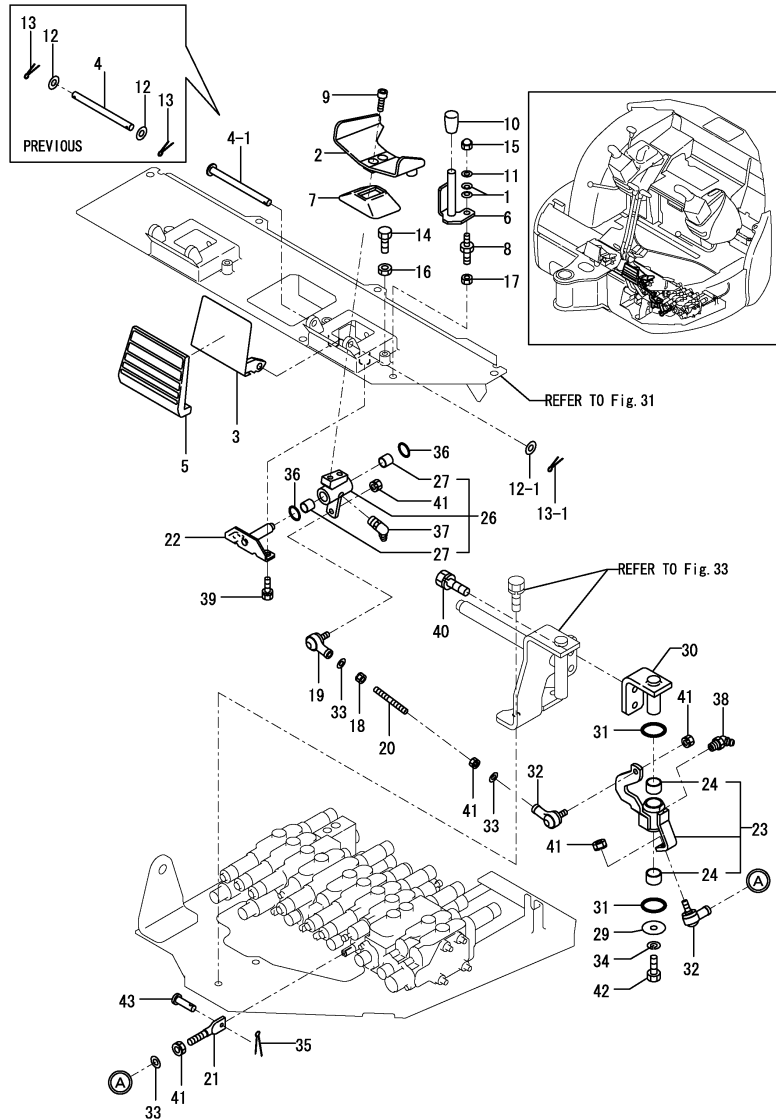
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172068-28490	SPRING	2	2	2	2	2	2		
2	1	172472-45500	PEDAL,P.T.O.(GRAY:72)	1	1	1	1	1	1		
3	1	172458-45540	COVER, PEDAL	1	1	1	1	1	1		1
4	1	172187-45650	SHAFT, COVER	1	1						
4-1	1	172187-45651	SHAFT	1	1	1	1	1	1		R
		(A=M/#21146) (B=M/#21146)									
5	1	172187-45760	COVER PAD	1	1	1	1	1	1		
6	1	172472-45960	LOCK ASSY (GRAY:72)	1	1						2
6-1	1	172448-45800	PLATE,LOCK(PTO (11)	1	1	1	1	1	1		N
		(A=M/#20955) (B=M/#20955)									
7	1	172157-45990	BOOTS, PEDAL	1	1	1	1	1	1		
8	1	172462-46230	BOLT 8X10	1	1	1	1	1	1		
9	1	172165-46340	BOLT	2	2	2	2	2	2		
10	1	172116-46630	KNOB, LEVER	1	1						Z
		(A=M/#20955) (B=M/#20955)									
11	1	22137-080000	WASHER, 8	1	1	1	1	1	1		
12	1	22137-100000	WASHER, 10	2	2						
12-1	1	22137-100000	WASHER, 10	1	1	1	1	1	1		K
		(A=M/#21146) (B=M/#21146)									
13	1	22417-250200	PIN, COTTER 2.5X20	2	2						
13-1	1	22417-250200	PIN, COTTER 2.5X20	1	1	1	1	1	1		K
		(A=M/#21146) (B=M/#21146)									
14	1	26116-080254	BOLT, M8X 25 PLATED	2	2	2	2	2	2		
15	1	26347-080002	NUT, M8	1	1	1	1	1	1		
16	1	26716-080002	NUT, M8	2	2	2	2	2	2		
17	1	26757-100002	NUT, LOCK M10	1	1	1	1	1	1		
18	1	194200-37780	NUT, M8	1	1	1	1	1	1		
19	1	172734-41300	JOINT, BALL	1	1	1	1	1	1		
20	1	172732-42450	ROD	1	1	1	1	1	1		
21	1	172823-45000	ROD 54, SPOOL	1	1	1	1	1	1		
22	1	172458-45230	SHAFT, PEDAL	1	1	1	1	1	1		
23	1	172472-45300	LINK A,P.T.O.(GRAY72	1	1	1	1	1	1		
24	2	172141-41370	BUSH 2015	2	2	2	2	2	2		
26	1	172472-45330	LINK B ASSY	1	1	1	1	1	1		
27	2	172141-41370	BUSH 2015	2	2	2	2	2	2		
29	1	1A1040-45890	WASHER, 10X36X4.5	1	1	1	1	1	1		
30	1	172458-46150	BRACKET,P.T.O. (72)	1	1	1	1	1	1		
31	1	172124-46200	O-RING	2	2	2	2	2	2		
32	1	172122-46590	ELBOW	2	2	2	2	2	2		
33	1	22117-080000	WASHER, 8	3	3	3	3	3	3		
34	1	22217-100000	WASHER, SPRING 10	1	1	1	1	1	1		
35	1	22417-160160	PIN, COTTER 1.6X16	1	1	1	1	1	1		
36	1	24311-000210	O-RING, 1AP21.0	2	2	2	2	2	2		
37	1	24761-040000	NIPPLE, GREASE B	1	1	1	1	1	1		
38	1	24761-050000	NIPPLE, GREASE C	1	1	1	1	1	1		
39	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
40	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
41	1	26051-080002	NUT, M8	5	5	5	5	5	5		
42	1	26116-100202	BOLT, M10X 20 PLATED	1	1	1	1	1	1		
43	1	933110-54100	PIN 4.75X14	1	1	1	1	1	1		
44A	1	172165-03231	LABEL, P.T.O.	1	1						3

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.44A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.44B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.37. CONTROL EQUIPMENT(P.T.O.PEDAL)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
44A-1	1	172496-03250 (A=M/#25532) (B=M/#25532)	LABEL, P.T.O.	1	1	1	1	1	1	N	3
44B	1	172458-03240	LABEL, LOCK	1	1	1	1	1	1		3

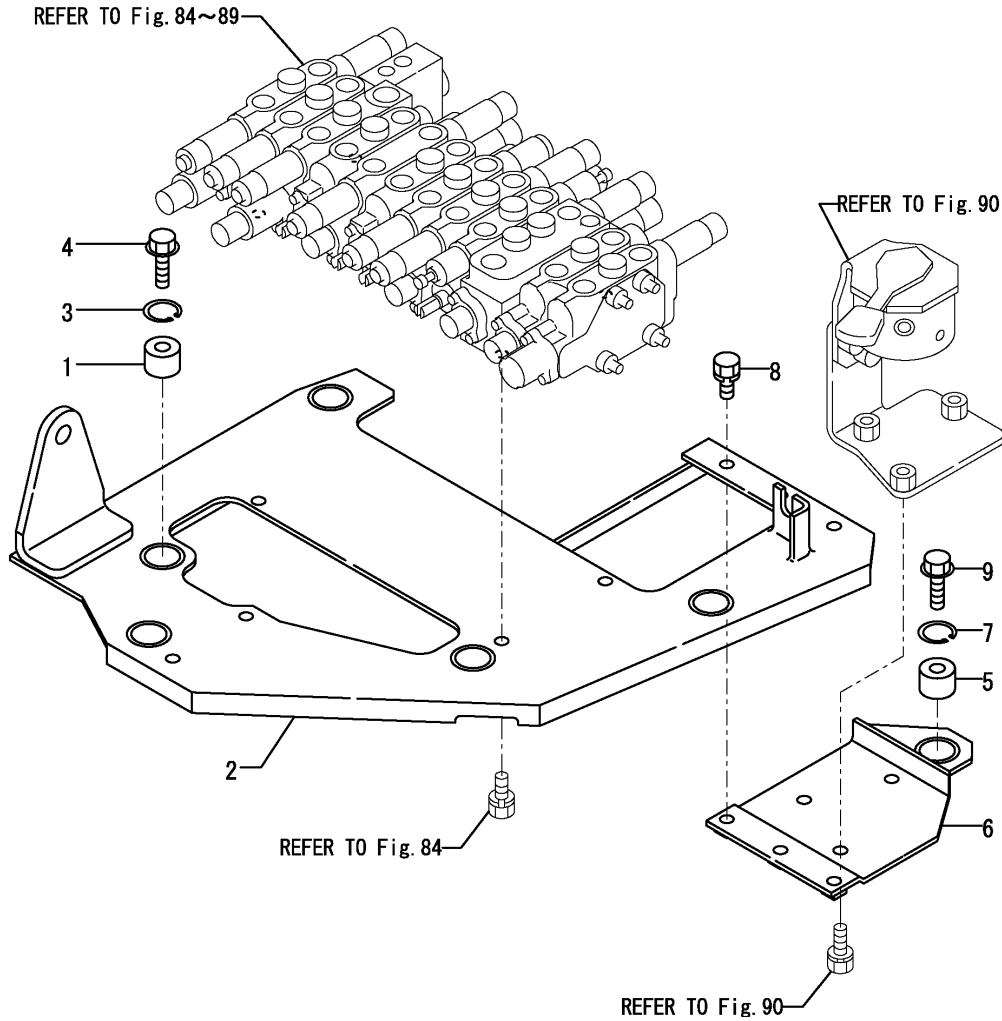
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.44A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.44B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.38. VALVE PLATE(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

~M/#21329



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-45490	CUSHION	5	5						
2	1	172458-45600	PLATE ASSY,VALVE	1	1						
3	1	22252-000280	RING, 28	5	5						
4	1	26106-100352	BOLT, M10X 35 PLATED	5	5						
5	1	172165-45490	CUSHION	1	1						
6	1	172458-74200	BRACKET ASSY	1	1						
7	1	22252-000280	RING, 28	1	1						
8	1	26013-100202	BOLT, M10X 20	3	3						
9	1	26106-100352	BOLT, M10X 35 PLATED	1	1						

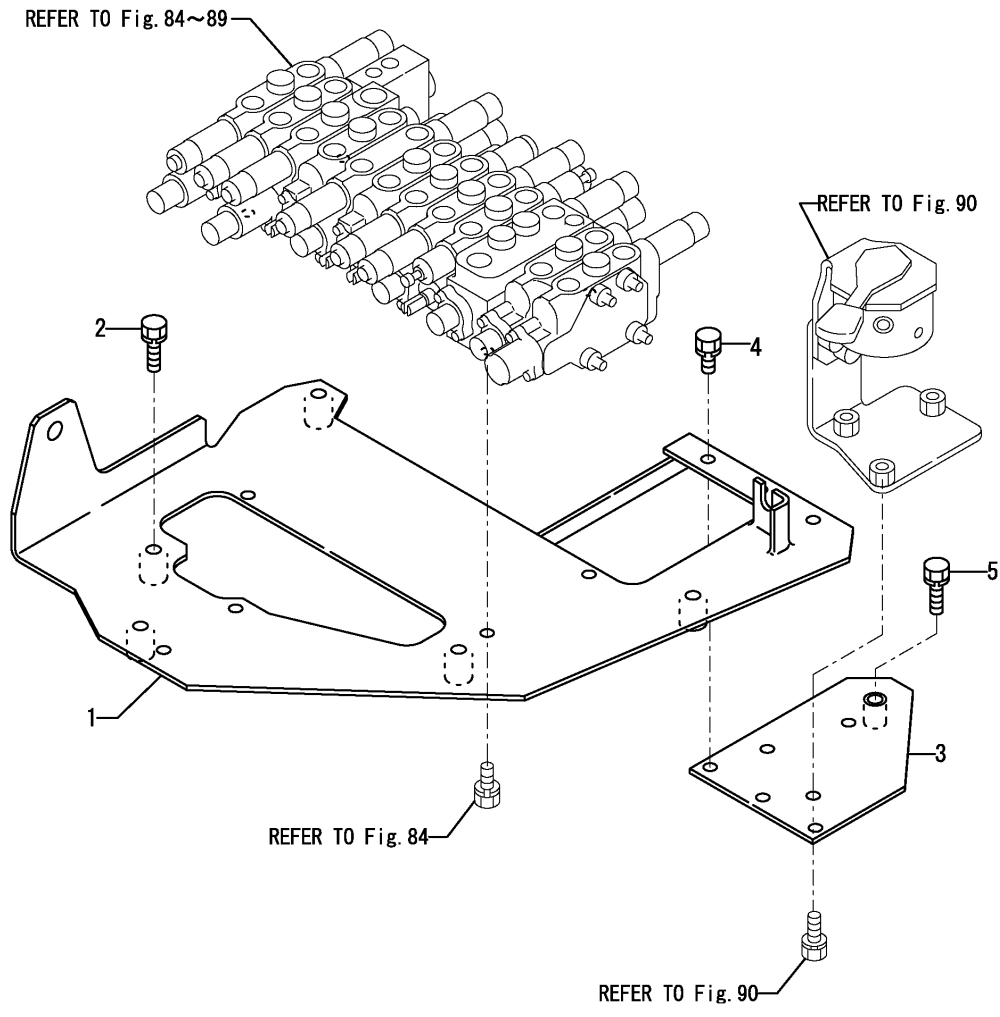
Fig.39. VALVE PLATE(NEW)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172487-45600	PLATE, VALVE (GRAY:72)	1	1	1	1	1	1		
2	1	26013-100402	BOLT, M10X 40	5	5	5	5	5	5		
3	1	172487-74200	BRACKET, MULTI	1	1	1	1	1	1		
4	1	26013-100202	BOLT, M10X 20	3	3	3	3	3	3		
5	1	26013-100352	BOLT, M10X 35	1	1	1	1	1	1		




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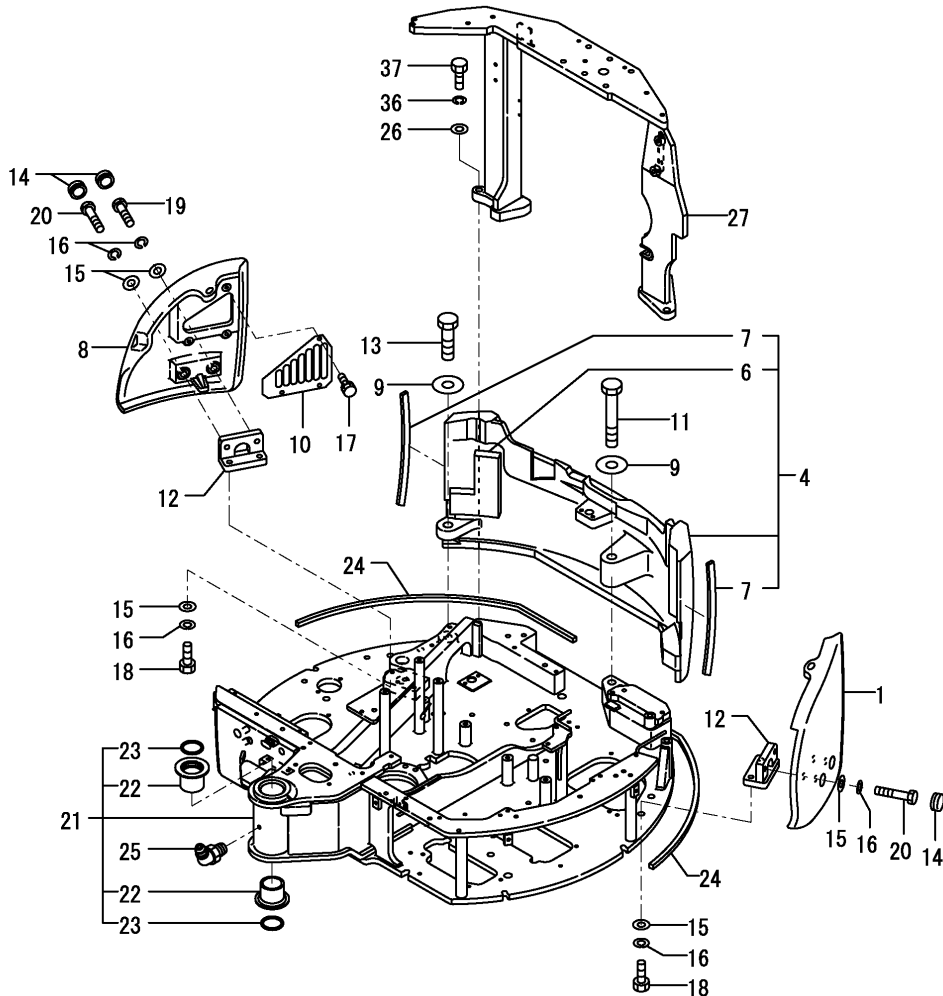
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Fig.40. TURNING FRAME(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

~M/#21329



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-53280-1	WEIGHT	1	1						
4	1	172457-53290-1	WEIGHT, COUNTER	1	1						
6	2	172457-53330	SEAL, WEIGHT	1	1						
7	2	172458-53370	SEAL, COUNTER	2	2						
8	1	172457-53310-1	WEIGHT	1	1						
9	1	172187-53320	WASHER 24.5X65X8	2	2						
10	1	172457-53320	COVER, WEIGHT	1	1						
11	1	172455-53330	BOLT 24X140	1	1						
12	1	172458-53330	BRACKET ASSY	2	2						
13	1	172458-53360	BOLT	1	1						
14	1	172151-53430	GROMMET, 34	4	4						
14-1	1	172456-53700	GROMMET	4	4						N
(A=M/#21230) (B=M/#21230)											
15	1	172165-53500	WASHER	8	8						
16	1	22217-160000	WASHER, SPRING 16	8	8						
17	1	26013-100202	BOLT, M10X 20	3	3						
18	1	26116-160452	BOLT, M16X 45 PLATED	4	4						
19	1	26116-160652	BOLT, M16X 65 PLATED	1	1						
20	1	26116-160752	BOLT, M16X 75 PLATED	3	3						
21	1	172457-54100-1	FRAME, TURNING (86)	1	1						1
22	2	172168-54750	BUSH 60X70	2	2						
23	2	172168-54760	SEAL, DUST	2	2						
24	1	172458-54750	SEAL	2	2						
25	1	24761-040000	NIPPLE, GREASE B	1	1						
26	1	172165-53500	WASHER	4	4						
27	1	172458-67200	MOUNT,CANOPY(GRAY:72	1	1						2
27-1	1	172458-67201	MOUNT,CANOPY(GRAY:72	1	1						N 2
(A=M/#20852) (B=M/#20852)											
36	1	22217-160000	WASHER, SPRING 16	4	4						
37	1	26116-160652	BOLT, M16X 65 PLATED	4	4						
38A	1	172157-03740	LABEL	1	1						3
39A	1	124764-44920	LABEL, ANTI-FREEZING	1	1						3

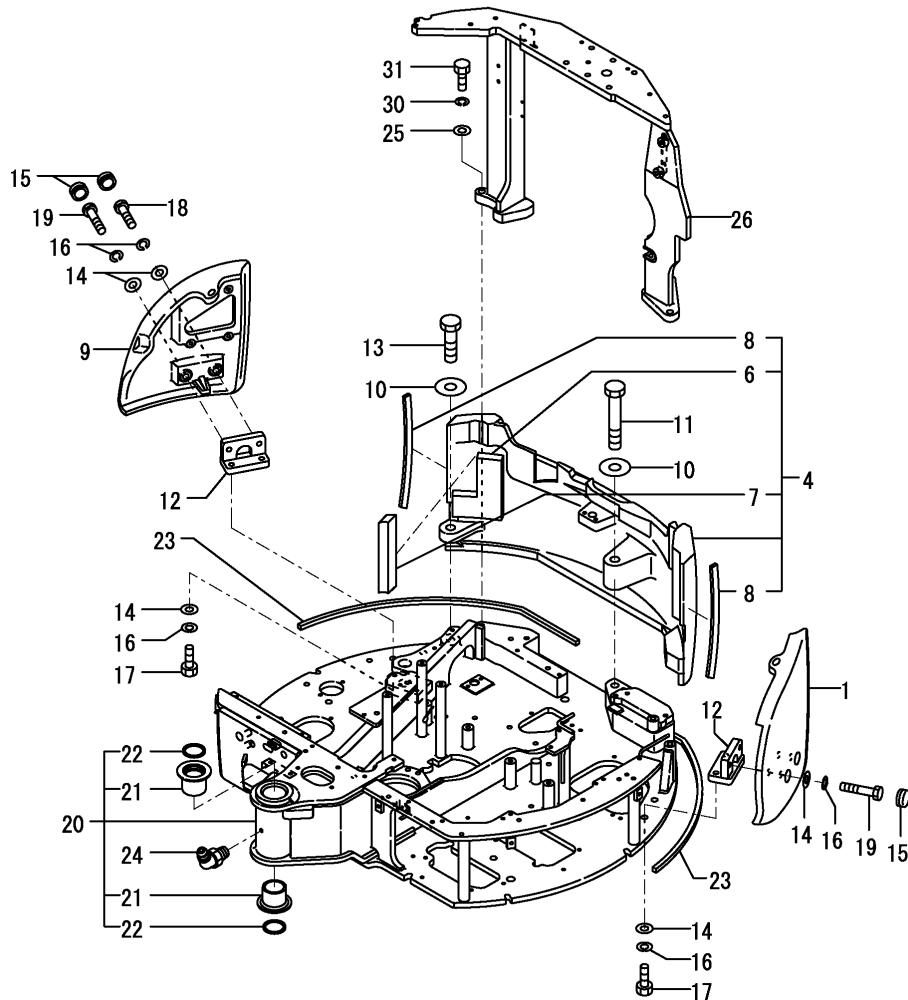
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.38A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.39A  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.41. TURNING FRAME(NEW)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-53280-1	WEIGHT	1	1	1	1	1	1		
4	1	172457-53291-1	WEIGHT, COUNTER	1	1	1	1	1	1		
6	2	172457-53330	SEAL, WEIGHT	1	1	1	1	1	1		
7	2	172487-53330	SEAL B	1	1	1	1	1	1		
8	2	172458-53370	SEAL, COUNTER	2	2	2	2	2	2		
9	1	172457-53310-1	WEIGHT	1	1	1	1	1	1		
10	1	172187-53320	WASHER 24.5X65X8	2	2	2	2	2	2		
11	1	172455-53330	BOLT 24X140	1	1	1	1	1	1		
12	1	172458-53330	BRACKET ASSY	2	2	2	2	2	2		
13	1	172458-53360	BOLT	1	1	1	1	1	1		
14	1	172165-53500	WASHER	8	8	8	8	8	8		
15	1	172456-53700	GROMMET	4	4	4	4	4	4		
16	1	22217-160000	WASHER, SPRING 16	8	8	8	8	8	8		
17	1	26116-160452	BOLT, M16X 45 PLATED	4	4	4	4	4	4		
18	1	26116-160652	BOLT, M16X 65 PLATED	1	1	1	1	1	1		
19	1	26116-160752	BOLT, M16X 75 PLATED	3	3	3	3	3	3		
20	1	172457-54101-1	FRAME ,TURNING (86)	1	1	1	1	1	1		1
21	2	172168-54750	BUSH 60X70	2	2	2	2	2	2		
22	2	172168-54760	SEAL, DUST	2	2	2	2	2	2		
23	1	172458-54750	SEAL	2	2	2	2	2	2		
24	1	24761-040000	NIPPLE, GREASE B	1	1	1	1	1	1		
25	1	172165-53500	WASHER	4	4	4	4	4	4		
26	1	172458-67202	MOUNT,CANOPY(GRAY:72	1	1	1	1	1	1		2
30	1	22217-160000	WASHER, SPRING 16	4	4	4	4	4	4		
31	1	26116-160652	BOLT, M16X 65 PLATED	4	4	4	4	4	4		
32A	1	172157-03740	LABEL	1	1	1	1	1	1		3
33A	1	124764-44920	LABEL, ANTI-FREEZING	1	1	1	1	1	1		3

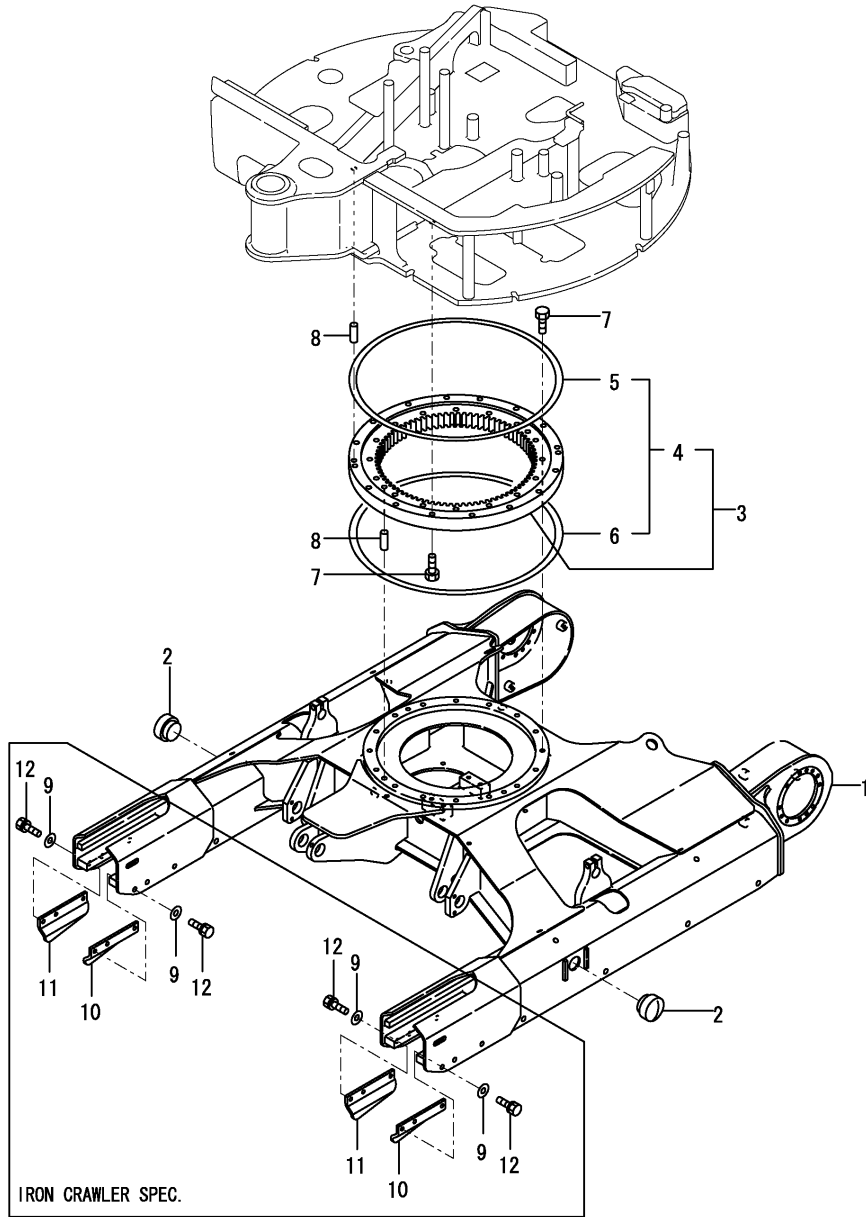
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.32A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.33A  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.42. TRACK FRAME & TURNING BEARING(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

~M/#21329



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-50100-1	FRAME,LOWER(GREEN:82)	1	1						
1-1	1	172457-50101-1	FRAME ASSY,LOWER(82)	1	1						N
		(A=M/#20871) (B=M/#20871)									
2	1	172141-50890	GROMMET		2	2					
3	1	172458-57600-1	BEARING,TURNING (82)		1	1					
4	2	172142-57610	SEAL SET		1	1					
5	3	172122-57630	SEAL, SWING		1	1					
6	3	172122-57640	SEAL, SWING		1	1					
7	1	172122-57610	BOLT		32	32					
8	1	172122-57620	PARALLEL PIN 13X36		4	4					
9	1	172730-05250	WASHER 12		12	12					1
10	1	172458-50800-1	PLATE, GUARD L (82)		2	2					1
11	1	172458-50810-1	PLATE, GUARD R (82)		2	2					1
12	1	26013-120252	BOLT, M12X 25		12	12					1

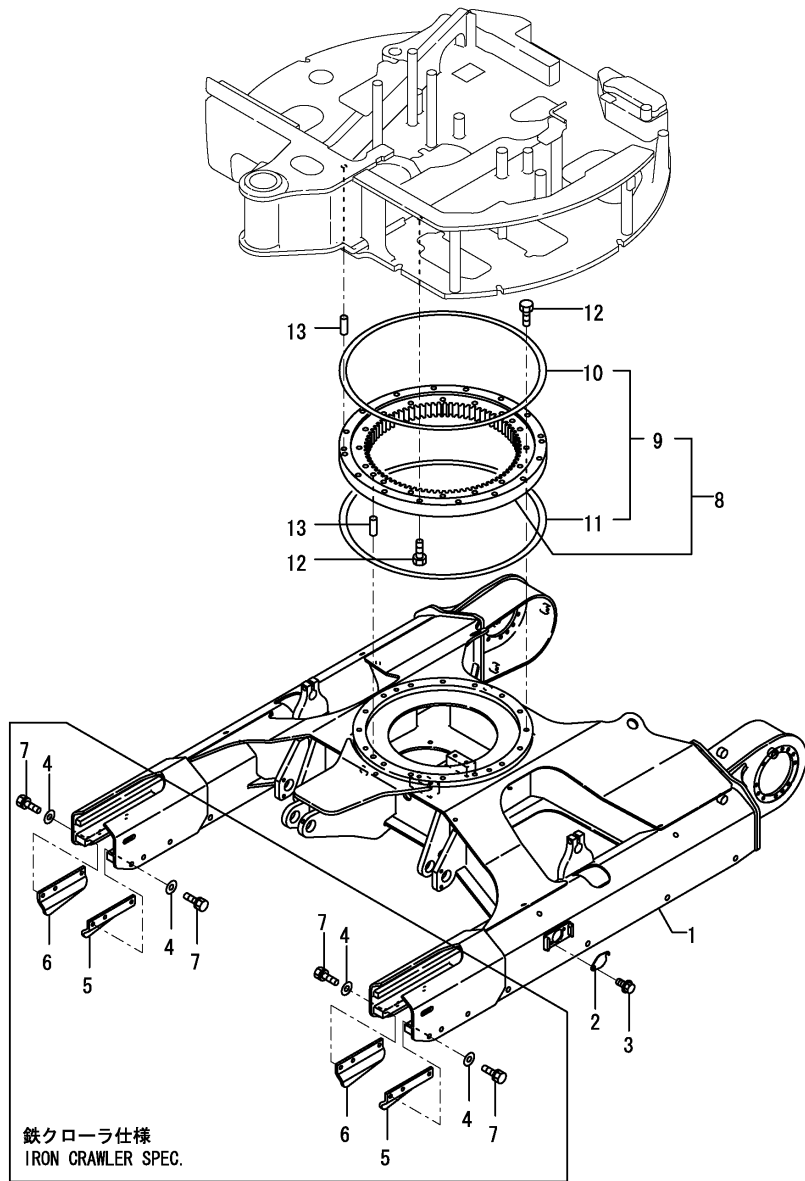
Remarks  
 (1)IRON CRAWLER SPEC.

Fig.43. TRACK FRAME & TURNING BEARING(NEW)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-50102-1	FRAME ASSY,LOWER(82)	1	1	1	1	1	1		
2	1	172458-50480-1	COVER, FRAME	2	2	2	2	2	2		
3	1	26106-100122	BOLT, M10X 12 PLATED	4	4	4	4	4	4		
4	1	172730-05250	WASHER 12	12	12	12	12	12	12	1	
5	1	172458-50800-1	PLATE, GUARD L (82)	2	2	2	2	2	2	1	
6	1	172458-50810-1	PLATE, GUARD R (82)	2	2	2	2	2	2	1	
7	1	26013-120252	BOLT, M12X 25	12	12	12	12	12	12	1	
8	1	172458-57600-1	BEARING,TURNING (82)	1	1	1	1	1	1		
9	2	172142-57610	SEAL SET	1	1	1	1	1	1		
10	3	172122-57630	SEAL, SWING	1	1	1	1	1	1		
11	3	172122-57640	SEAL, SWING	1	1	1	1	1	1		
12	1	172122-57610	BOLT	32	32	32	32	32	32		
13	1	172122-57620	PARALLEL PIN 13X36	4	4	4	4	4	4		

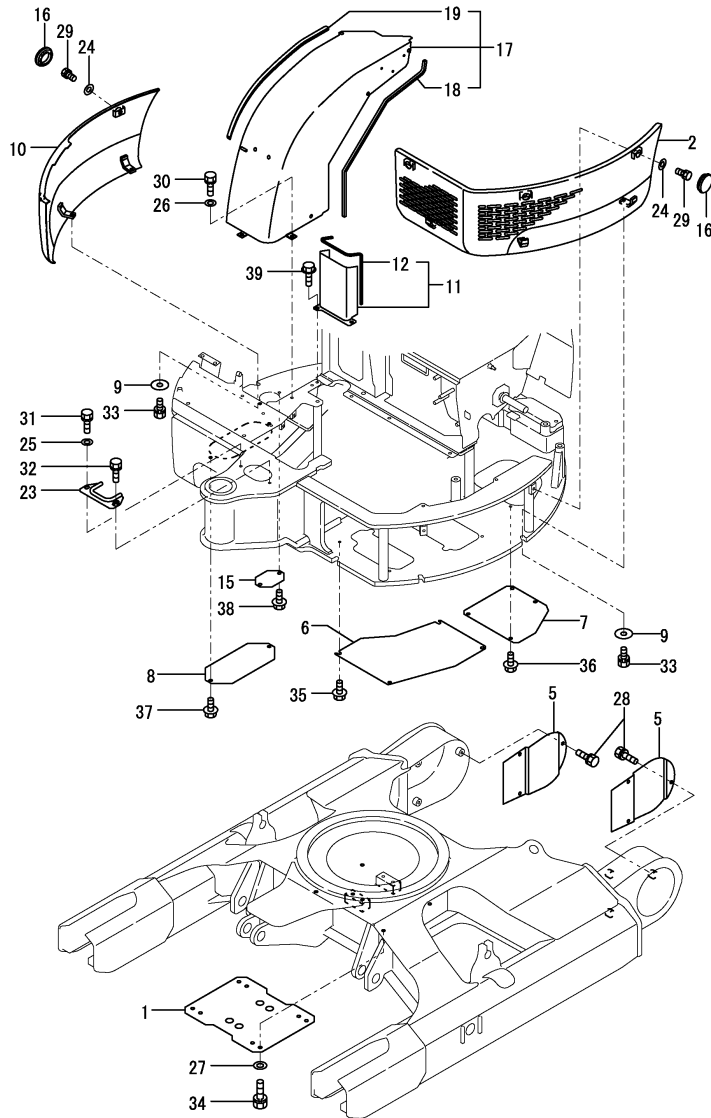
Remarks  
 (1)IRON CRAWLER SPEC.



Fig.44. COVER(FRAME)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



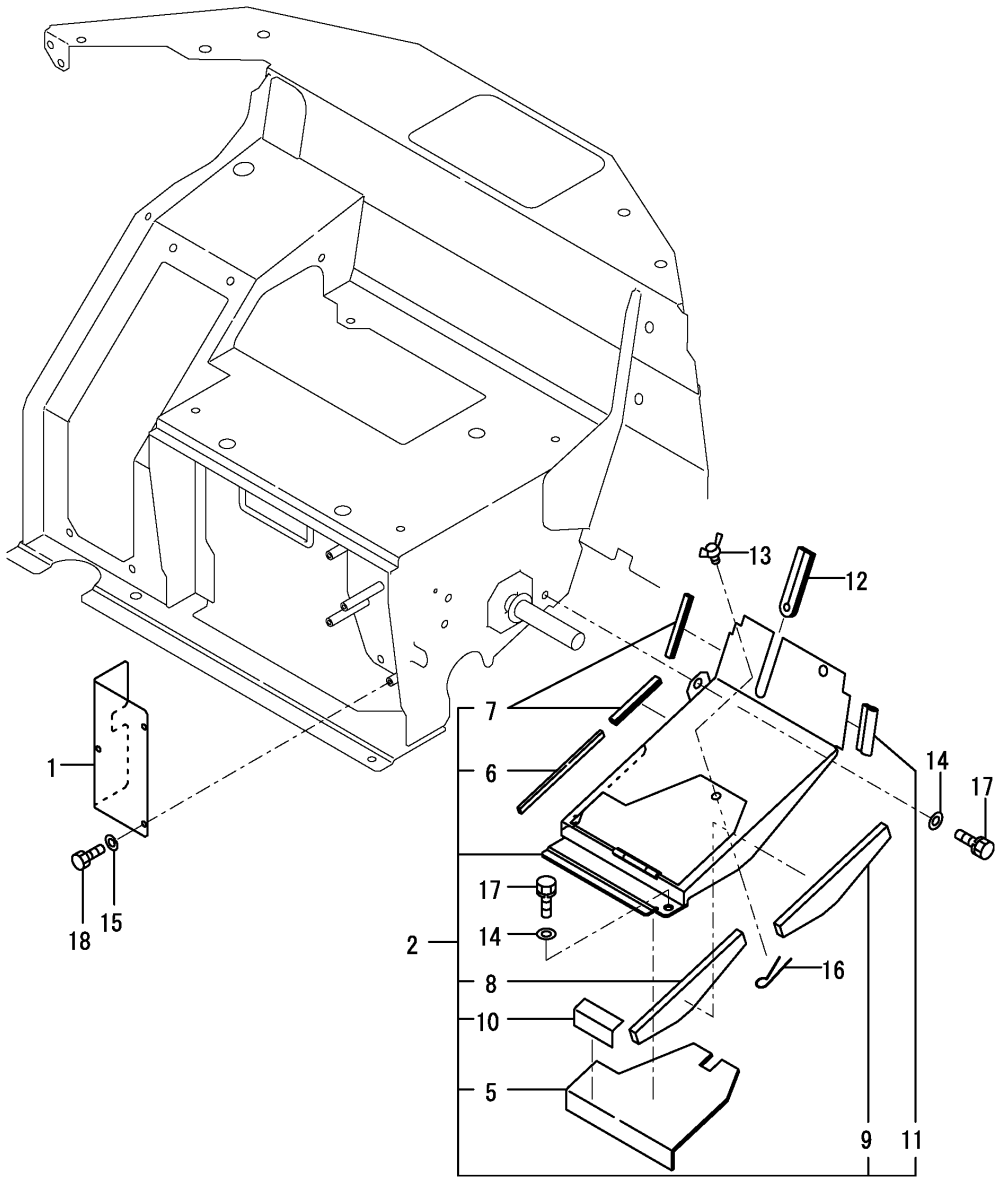
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-50762-2	COVER	1	1	1	1	1	1		
1-1	1	172141-50763-4	COVER	1	1	1	1	1	1		N
		(A=MXXXXX) (B=MXXXXX) (C=MXXXXX) (D=MXXXXX) (E=MXXXXX) (F=MXXXXX)									
2	1	172457-61080-1	COVER, FRAME	1	1						1
2-1	1	172457-61081-1	COVER, FRAME	1	1	1	1	1	1		N
		(A=M/#25611) (B=M/#25611)									
5	1	172457-61100-1	COVER, TRAVEL	2	2	2	2	2	2		
6	1	172458-61110-1	COVER, VALVE	1	1	1	1	1	1		
7	1	172457-61140	COVER, PUMP	1	1	1	1	1	1		
8	1	172458-61150-2	COVER, FUEL	1	1	1	1	1	1		
9	1	172458-61260	WASHER	5	5						
9-1	1	172458-61261	WASHER	5	5	5	5	5	5		N
		(A=M/#20927) (B=M/#20927)									
10	1	172458-61271-2	COVER, FRAME	1	1	1	1	1	1		1
11	1	172472-61350	PLATE ASSY,US	1	1						
11-1	1	172472-61351	PLATE (US) ASSY	1	1	1	1	1	1		N
		(A=M/#25692) (B=M/#25692)									
12	2	172455-18640	TRIM	1	1	1	1	1	1		
15	1	172168-61560	PLATE G (GREEN:86)	1	1	1	1	1	1		
16	1	172463-61600	PLUG 28X3.2	5	5	5	5	5	5		
17	1	172458-61690	COVER ASSY	1	1	1	1	1	1		2
18	2	172458-61650	SEAL	1	1	1	1	1	1		
19	2	172458-61660	RUBBER, SEAL 930	1	1	1	1	1	1		
23	1	172458-61870-2	COVER, HOSE	1	1	1	1	1	1		
24	1	22137-100000	WASHER, 10	5	5	5	5	5	5		
25	1	22137-100000	WASHER, 10	1	1	1	1	1	1		
26	1	22137-100000	WASHER, 10	5	5						
26-1	1	22137-100000	WASHER, 10	4	4	4	4	4	4		K
		(A=M/#25636) (B=M/#25636)									
27	1	22137-120000	WASHER, 12	4	4	4	4	4	4		
28	1	26013-100202	BOLT, M10X 20	6	6	6	6	6	6		
29	1	26013-100202	BOLT, M10X 20	5	5	5	5	5	5		
30	1	26013-100202	BOLT, M10X 20	5	5						
30-1	1	26013-100202	BOLT, M10X 20	4	4	4	4	4	4		K
		(A=M/#25636) (B=M/#25636)									
31	1	26013-100202	BOLT, M10X 20	1	1	1	1	1	1		
32	1	26013-100302	BOLT, M10X 30	1	1	1	1	1	1		
33	1	26013-100352	BOLT, M10X 35	5	5	5	5	5	5		
34	1	26013-120252	BOLT, M12X 25	4	4	4	4	4	4		
35	1	26106-100162	BOLT, M10X 16 PLATED	4	4	4	4	4	4		
36	1	26106-100162	BOLT, M10X 16 PLATED	4	4	4	4	4	4		
37	1	26106-100162	BOLT, M10X 16 PLATED	2	2	2	2	2	2		
38	1	26106-100162	BOLT, M10X 16 PLATED	2	2	2	2	2	2		
39	1	26106-100202	BOLT, M10X 20 PLATED	2	2	2	2	2	2		
40A	1	172437-03351	LABEL, GREASE CYL.	1	1	1	1	1	1		3
40B	1	172472-03240	LABEL, PIN US	1	1	1	1	1	1		3
40C	1	172472-03250	LABEL, OPERATION Q US	1	1	1	1	1	1		3

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.40A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.40B,40C  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.45. COVER(AROUND THE CONTROL)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-61200	COVER, ELECTRIC	1	1	1	1	1	1		
2	1	172458-61290	COVER, MULTI	1							1
2-1	1	172460-61321	COVER, MULTI	1	1	1	1	1	1	1	N
		(A=M/#21117) (B=M/#21117)									
5	2	172458-61530	SEAL	1	1						
5-1	2	172458-61531	SPONGE	1	1	1	1	1	1	1	N
		(A=M/#21117) (B=M/#21117)									
6	2	172458-61540	SEAL, MULTI COVER	1	1	1	1	1	1	1	
7	2	172458-61560	RUBBER 90	2	2						
7-1	2	172146-61370	RUBBER, SEAL	1	1	1	1	1	1	1	N
		(A=M/#21117) (B=M/#21117)									
8	2	172458-61580	SEAL	1	1	1	1	1	1	1	
9	2	172458-61590	SEAL	1	1	1	1	1	1	1	
10	2	172458-61640	SEAL	1	1						Z
		(A=M/#21117) (B=M/#21117)									
11	2	172168-65800	RUBBER, SEAL	1	1	1	1	1	1	1	
12	1	172458-61300	GROMMET	1	1	1	1	1	1	1	
13	1	172142-62300	WING BOLT M10X15	1	1	1	1	1	1	1	
14	1	22137-100000	WASHER, 10	3	3						
14-1	1	22137-100000	WASHER, 10	2	2	2	2	2	2	2	K
		(A=M/#21117) (B=M/#21117)									
15	1	22217-060000	WASHER, SPRING 6	3	3	3	3	3	3	3	
16	1	22417-320200	PIN, COTTER 3.2X20	1	1	1	1	1	1	1	
17	1	26013-100202	BOLT, M10X 20	4	4						
17-1	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	K
		(A=M/#21117) (B=M/#21117)									
18	1	26116-060122	BOLT, M6X 12 PLATED	3	3	3	3	3	3	3	
19A	1	172437-03241	LABEL,CRAWLER	1	1	1	1	1	1	1	2

Remarks

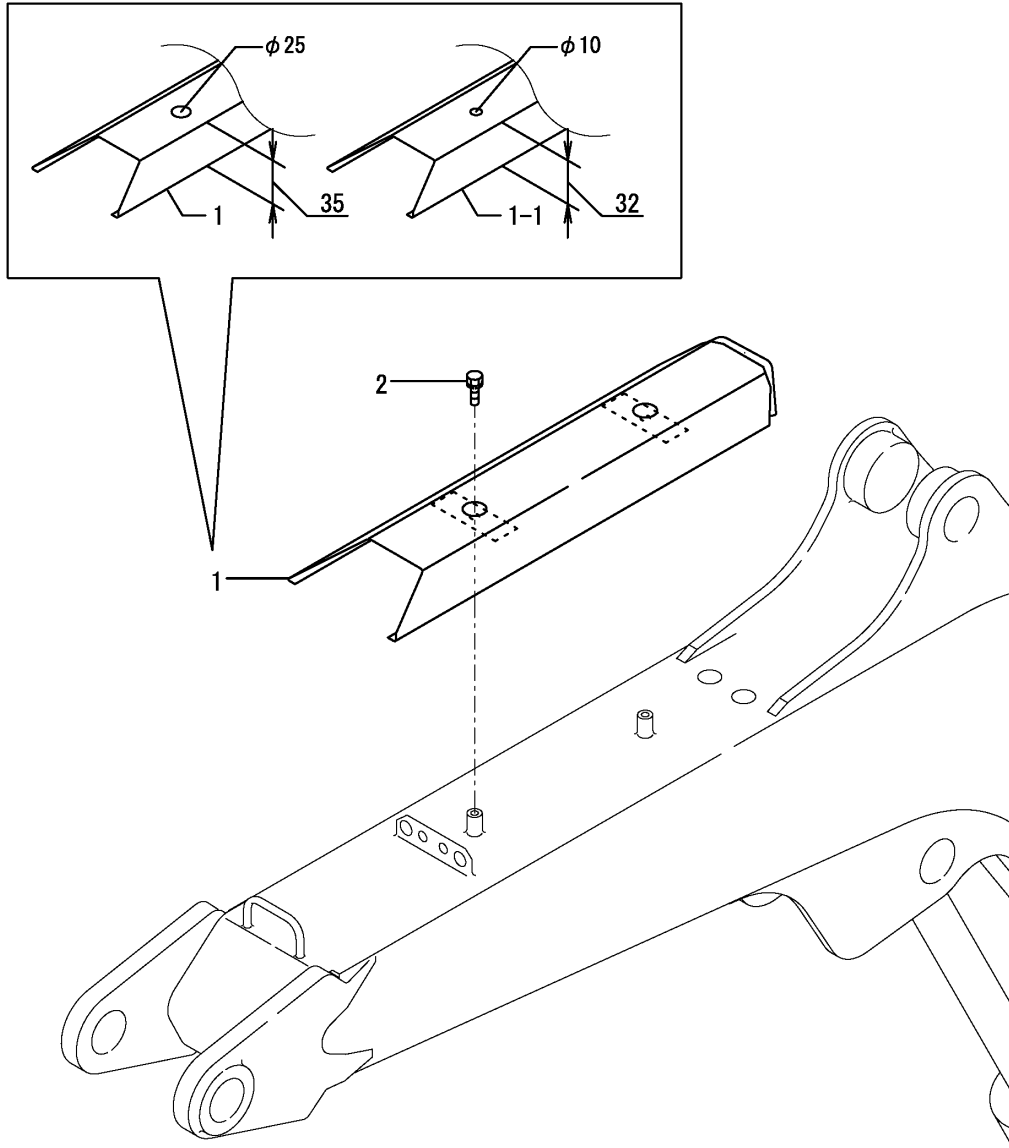
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.19A

(2)LABELS ARE NOT ILLUSTRATED.

Fig.46. COVER(BOOM)

(A)=VIO27-2 C(US  
 (B)=VIO27-2 P(US  
 (C)=VIO27-2 C(AS

(D)=VIO27-2 P(AS  
 (E)=VIO27-2 C(NZ  
 (F)=VIO27-2 P(NZ

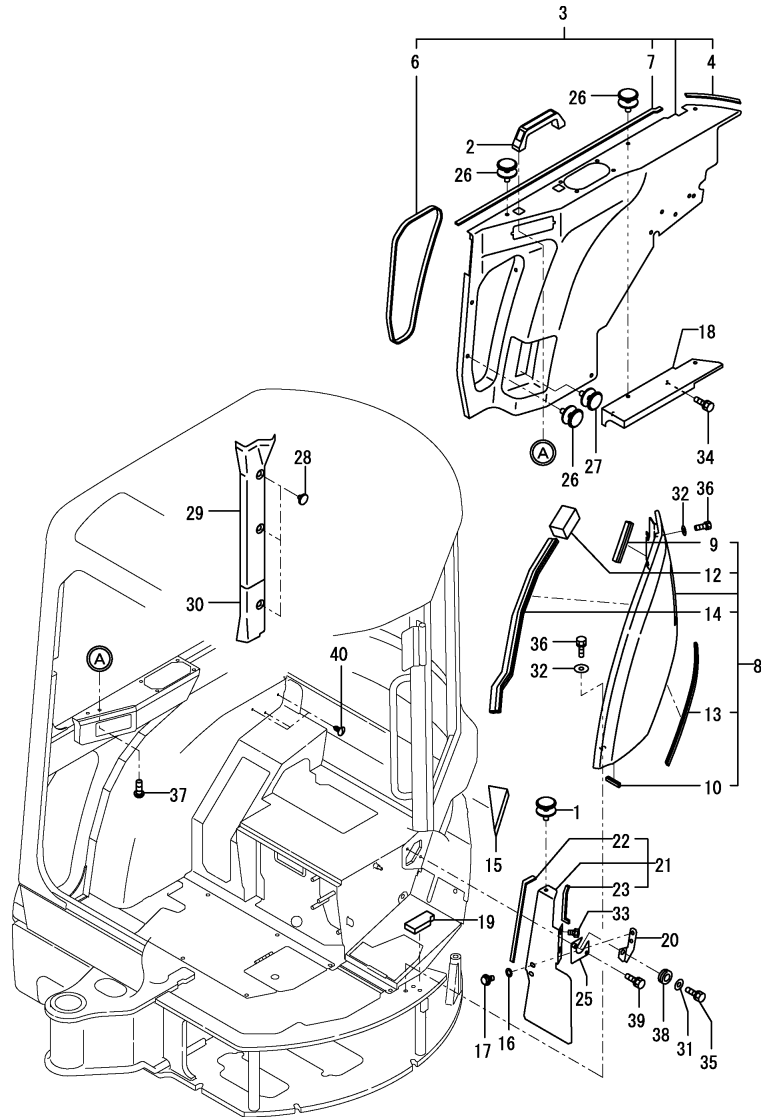


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-61961-1	COVER, BOOM	1	1						
1-1	1	172456-61963-1	COVER, BOOM	1	1						S
		(A=M/#25501) (B=M/#25501)									
2	1	26013-080162	BOLT, M8X 16	2	2						

Fig.47. COVER(CABIN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



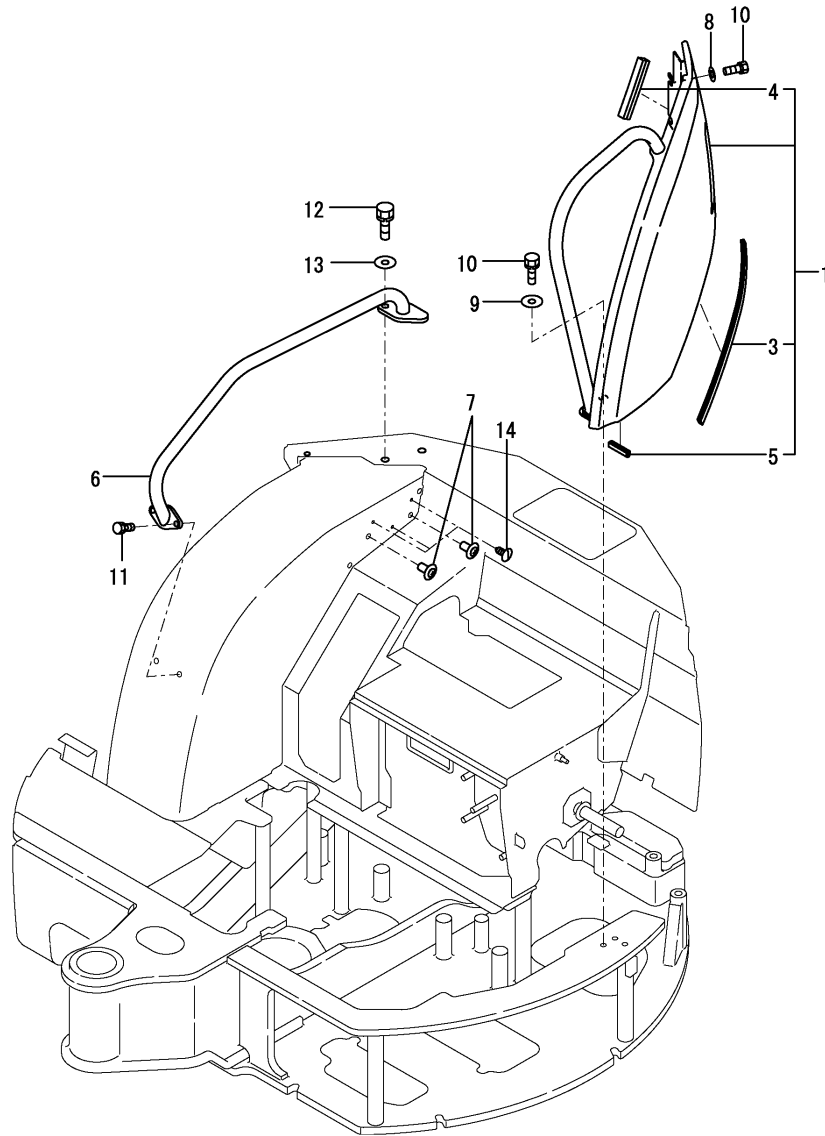
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-17660	CLIP, TREE	1	1		1				
2	1	172164-45980	GRIP, BONNET	1	1		1				3
3	1	172458-61791	COVER ASSY, DUCT	1	1		1				3
4	2	172146-61370	RUBBER, SEAL	1	1		1				3
6	2	172458-61820	TRIM	1	1		1				3
7	2	172444-68810	RUBBER, SEAL	1	1		1				3
8	1	172457-61900-1	BONNET L,CAB (87)	1	1		1				1
9	2	172458-61500	RUBBER, SEAL	1	1		1				
10	2	172458-61510	RUBBER, SEAL	1	1		1				
12	2	172458-63900	STOPPER	1	1		1				
13	2	172458-63910	SEAL, SPONGE	1	1		1				
14	2	172989-68630	RUBBER, SEAL	1	1		1				
15	1	172460-61960	SEAL	1	1		1				3
16	1	172458-62430	WASHER M8	2	2		2				
17	1	172519-63240	BOLT	2	2		2				
18	1	172458-63300	PLATE	1	1		1				3
19	1	172458-63350	SPONGE	1	1		1				3
20	1	172458-63520-1	PLATE (BLACK:12)	1	1		1				
21	1	172458-63540	COVER ASSY, HOSE	1	1		1				
22	2	172823-61520	TRIM	1	1		1				
23	2	172162-61870	TRIM	1	1		1				
25	1	172458-63570	COVER, SEAT MOUNT	1	1		1				
26	1	1A6260-64200	CLIP	9	9		9				3
27	1	1A6260-64200	CLIP	3	3		3				3
28	1	172458-64600	CLIP, TREE	3	3		3				3
29	1	172458-68990	COVER, PILLAR	1	1		1				3
30	1	172458-69000	COVER, PILLAR	1	1		1				3
31	1	22137-080000	WASHER, 8	1	1		1				
32	1	22151-100000	WASHER 10	4	4		4				
33	1	26013-080162	BOLT, M8X 16	2	2		2				3
34	1	26013-080162	BOLT, M8X 16	2	2		2				
35	1	26013-080252	BOLT, M8X 25	1	1		1				
36	1	26013-100252	BOLT, M10X 25	4	4		4				
37	1	26557-080202	SCREW, M8X20	2	2		2				3
38	1	933160-09220	GROMMET	1	1		1				
39	1	26013-080162	BOLT, M8X 16	1	1		1				
40	1	172458-64610	CLIP, TREE	3	3		3				4
41A	1	172473-03120	LABEL,VIO35	1	1		1				2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.41A  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)NOT APPLIED FOR TIM CABIN SPEC.  
 (4)NOT APPLIED FOR QUICK COUPLER SPEC.

Fig.48. COVER(CANOPY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



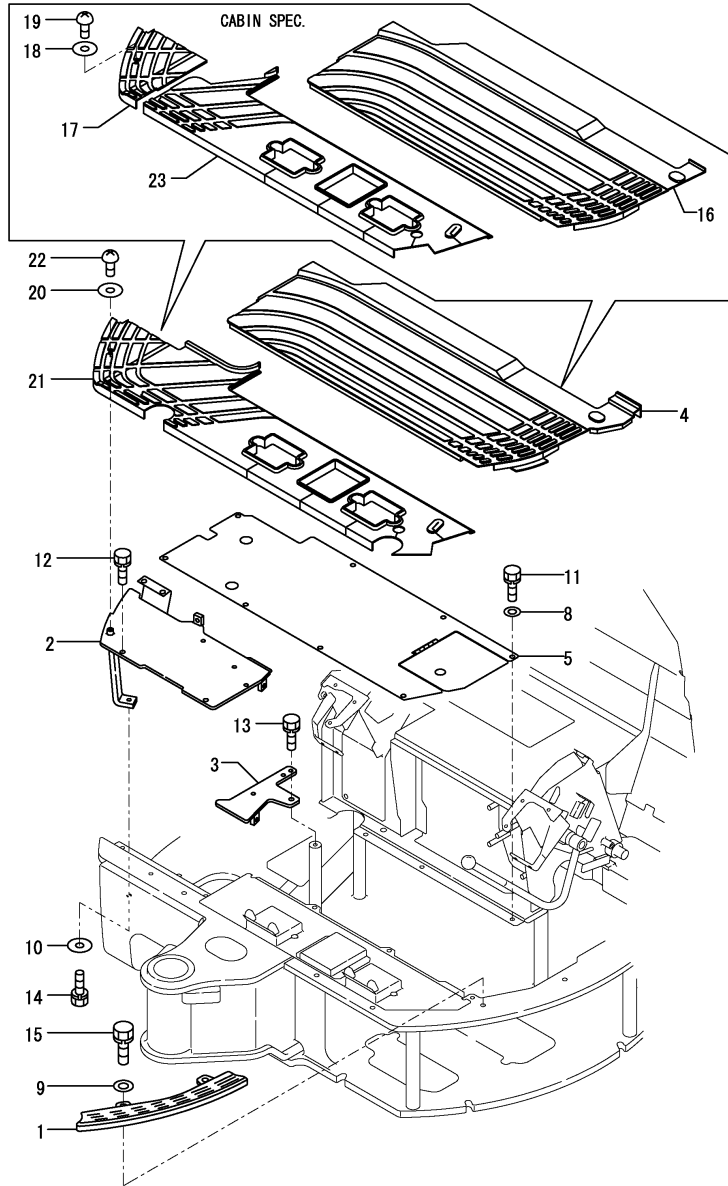
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-61400-1	BONNET,CAN(YELLOW:87	1			1				1
3	2	172458-61490	RUBBER, SEAL 510		1		1				1
4	2	172458-61500	RUBBER, SEAL		1		1				1
5	2	172458-61510	RUBBER, SEAL		1		1				1
6	1	172458-61750	HANDRAIL		1		1				1
7	1	1A6260-64200	CLIP		3		3				3
8	1	22137-100000	WASHER, 10		2		2				2
9	1	22157-100000	WASHER, 10		1		1				1
10	1	26013-100252	BOLT, M10X 25		3		3				3
11	1	26013-100252	BOLT, M10X 25		2		2				2
12	1	26013-120302	BOLT, M12X 30		1		1				1
13	1	22137-120000	WASHER, 12		1		1				1
(B=M/#21105)											
14	1	172458-64610	CLIP, TREE		3						3
15A	1	172472-03120	LABEL,VIO27		1		1				1

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.15A  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)NOT APPLIED FOR QUICK COUPLER SPEC.

Fig.49. STEP

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-62110	STEP		1		1			1	
2	1	172458-62121	STEP	1	1	1	1	1	1	1	
3	1	172458-62180-1	PLATE,SUB (GREEN:86)	1	1	1	1	1	1	1	
4	1	172458-62200	MAT,FLOOR A		1		1		1		
5	1	172472-62210	STEP ASSY	1	1	1	1	1	1	1	1
8	1	22137-100000	WASHER, 10	8	8	8	8	8	8	8	
9	1	22137-120000	WASHER, 12		2		2		2		
10	1	22157-100000	WASHER, 10	1	1	1	1	1	1	1	
11	1	26013-100202	BOLT, M10X 20	8	8	8	8	8	8	8	
12	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2	2	
13	1	26013-100252	BOLT, M10X 25	1	1	1	1	1	1	1	
14	1	26013-100402	BOLT, M10X 40	1	1	1	1	1	1	1	
15	1	26013-120302	BOLT, M12X 30		2		2		2		
16	1	172458-62400	MAT,FLOOR A(CABIN	1		1		1			
17	1	172458-62420	FLOOR MAT C (CABIN	1		1		1			
18	1	172458-62430	WASHER M8	2		2		2			
19	1	172137-69850	SCREW	2		2		2			
20	1	172458-62430	WASHER M8		1		1		1		
21	1	172472-62500	FLOOR MAT B (CANOPY		1		1		1		
22	1	172137-69850	SCREW		1		1		1		
23	1	172472-62600	FLOOR MAT B (CABIN	1		1		1			
24A	1	172438-03300	LABEL	1	1	1	1	1	1	1	2

Remarks

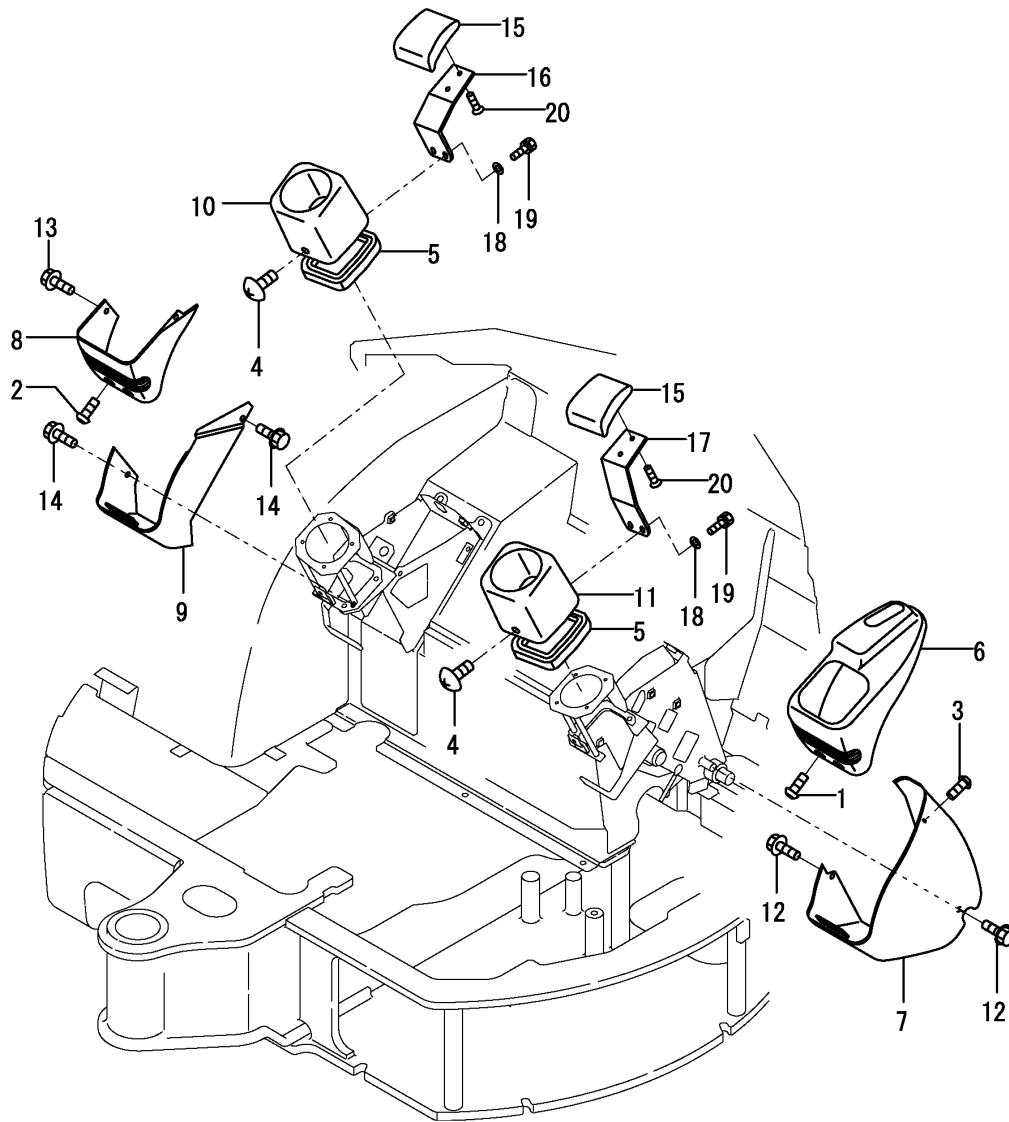
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.24A

(2)LABELS ARE NOT ILLUSTRATED.

Fig.50. INSTRUMENT PANEL & ARM REST

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-46720	BOLT 8X20	3	3	3	3	3	3		
2	1	172458-46720	BOLT 8X20	2	2	2	2	2	2		
3	1	172458-46720	BOLT 8X20	1	1	1	1	1	1		
4	1	172458-46720	BOLT 8X20	2	2	2	2	2	2		
5	1	172162-62540	SEAL, STEP	2	2	2	2	2	2		
6	1	172458-63100	INSTRUMENT PANEL L	1	1	1	1	1	1		1
7	1	172458-63120	INSTRUMENT PANEL L	1	1	1	1	1	1		
8	1	172458-63130	INSTRUMENT PANEL R	1	1	1	1	1	1		
9	1	172458-63140	INSTRUMENT PANEL R	1	1	1	1	1	1		
10	1	172472-63210	COVER	1	1	1	1	1	1		
11	1	172472-63220	COVER	1	1	1	1	1	1		
12	1	172519-63240	BOLT	2	2	2	2	2	2		
13	1	172519-63240	BOLT	1	1	1	1	1	1		
14	1	172519-63240	BOLT	2	2	2	2	2	2		
15	1	172441-44320	ARMREST	2	2	2	2	2	2		
16	1	172472-64530	PLATE,ARM REST R(73)	1	1						
16-1	1	172472-64531	PLATE R,ARM REST(73)	1	1	1	1	1	1		N
(A=M/#20955) (B=M/#20955)											
17	1	172472-64540	PLATE,ARM REST L(73)	1	1						
17-1	1	172472-64541	PLATE L,ARM REST(73)	1	1	1	1	1	1		N
(A=M/#20955) (B=M/#20955)											
18	1	22137-080000	WASHER, 8	4	4						Z
(A=M/#20852) (B=M/#20852)											
19	1	26013-080202	BOLT, M8X 20	4	4						
19-1	1	172165-66980	BOLT	4	4	4	4	4	4		R
(A=M/#20852) (B=M/#20852)											
20	1	26577-080122	SCREW, M8X12	4	4	4	4	4	4		
21A	1	172458-03220	LABEL,ACCELERATOR	1	1	1	1	1	1		2

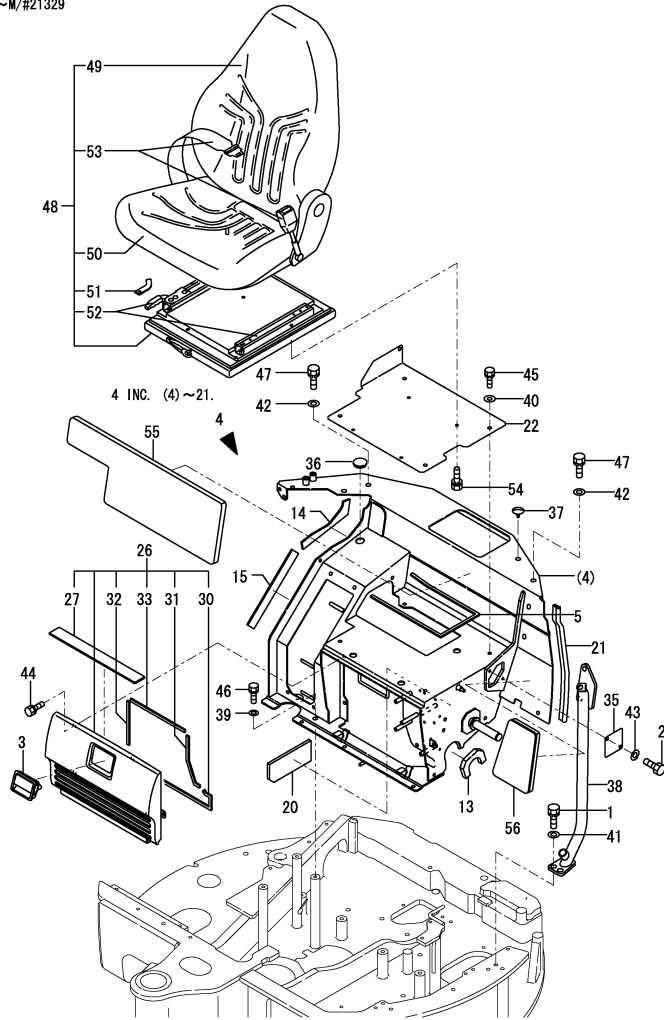
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.21A  
 (2)LABELS ARE NOT ILLUSTRATED.

Fig.51. SEAT & SEAT MOUNT(PREVIOUS)

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

~M/#21329



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26013-120302	BOLT, M12X 30		4						
2	1	26116-080162	BOLT, M8X 16 PLATED		2						
3	1	172187-61421	HANDLE, LOCK	1	1						
4	1	772458-64210	MOUNT,SEAT (GRAY:73)	1	1						M
4-1	1	772472-64210	MOUNT,SEAT (GRAY:73)	1	1						1
4-2	1	772472-64211	MOUNT,SEAT (GRAY:73)	1	1						N 1
(A=M/#21117) (B=M/#21117)											
5	2	172458-64140	SEAL	2	2						
13	2	172458-64660	SEAL	1	1						
14	2	172458-64680	SEAL, SEAT MOUNT	1	1						
15	2	172458-64690	SEAL, SEAT MOUNT	1	1						
20	2	172458-64750	SEAL, SEAT MOUNT	1	1						
21	2	172164-65730	RUBBER, SEAL	1	1						
22	1	172472-64290	PLATE,SEAT (GRAY:73)	1	1						4
26	1	172458-64440	GRILLE ASSY	1	1						2
26-1	1	172458-64441	GRILLE ASSY	1	1						N 2
(A=M/#21064) (B=M/#21064)											
27	2	172458-64050	RUBBER, SPONGE	1	1						Z
(A=M/#21064) (B=M/#21064)											
30	2	172458-64080	SEAL	1	1						Z
(A=M/#21064) (B=M/#21064)											
31	2	172458-64090	SEAL	1	1						Z
(A=M/#21064) (B=M/#21064)											
32	2	172458-64100	SEAL	1	1						Z
(A=M/#21064) (B=M/#21064)											
33	2	172458-64110	SEAL	1	1						Z
(A=M/#21064) (B=M/#21064)											
35	1	172458-64510	COVER, SEAT MOUNT		1						
36	1	172458-64590	PLUG 28X3.2	1	1						
37	1	172458-64600	CLIP, TREE	3	1						
38	1	172472-64700	PIPE		1						
39	1	22137-100000	WASHER, 10	3	3						
40	1	22137-100000	WASHER, 10	5	5						
41	1	22137-120000	WASHER, 12		4						
42	1	22137-120000	WASHER, 12	2	2						
43	1	22217-080000	WASHER, SPRING 8		2						
44	1	26013-100202	BOLT, M10X 20	4	4						
45	1	26013-100202	BOLT, M10X 20	5	5						
46	1	26013-100252	BOLT, M10X 25	3	3						
47	1	26013-120252	BOLT, M12X 25	2	2						
48	1	172467-64100	SEAT, OPERATOR	1	1						4
49	2	172467-64110	CUSHION, BACKREST	1	1						W 4
(A=M/#20793) (B=M/#20793)											
50	2	172467-64120	CUSHION, SEAT	1	1						W 4
(A=M/#20793) (B=M/#20793)											
51	2	172467-64130	STOPPER	1	1						W 4
(A=M/#20793) (B=M/#20793)											
52	2	172467-64140	RAIL SET	1	1						W 4
(A=M/#20793) (B=M/#20793)											
53	2	172989-64451	BELT, SEAT	1	1						W 4
(A=M/#20793) (B=M/#20793)											

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.57E,57F,57G & 57H  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 CAB.SPEC:REF.NO.57A,57B,57C & 57D  
 CAN.SPEC:REF.NO.57A,57B,57C & 57I  
 (3)LABELS ARE NOT ILLUSTRATED.  
 (4)NOT APPLIED FOR TIM CABIN & W/O SEAT SPEC.  
 (5)TIM CABIN SPEC. (M)MISPRINT.

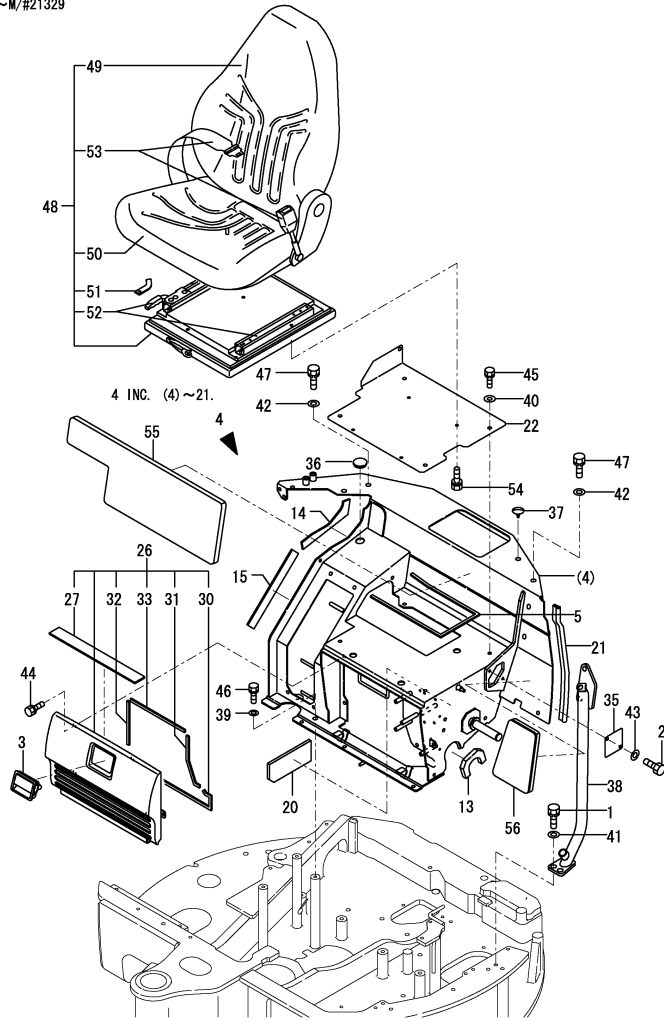


Fig.51. SEAT & SEAT MOUNT(PREVIOUS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

~M/#21329



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
54	1	26013-080162	BOLT, M8X 16	4	4						4
55	1	172458-67810	SHEET, INSULATOR	1							W 5
(A=M/#21031)											
56	1	172458-67820	SHEET, INSULATOR	1							W 5
(A=M/#21031)											
57A	1	172472-03150	LABEL,OIL&WATER	1	1						3
57B	1	172472-03160	LABEL,GREASE	1	1						3
57C	1	172472-03190	LABEL,SPEC C US	1	1						3
57C-1	1	172472-03191	LABEL,SPEC C US	1	1						N 3
(A=M/#21120) (B=M/#21120)											
57D	1	172472-03200	LABEL,SUPORT C US	1							3
57E	1	172472-03170	LABEL,FUSE	1	1						3
57F	1	172437-03530	LABEL,RE-START	1	1						3
57G	1	172437-03300	LABEL,MANUAL	1	1						3
57H	1	172437-03470	LABEL,LEVER LOCK	1	1						3
57I	1	172472-03140	LABEL,SUPORT US		1						3

Remarks

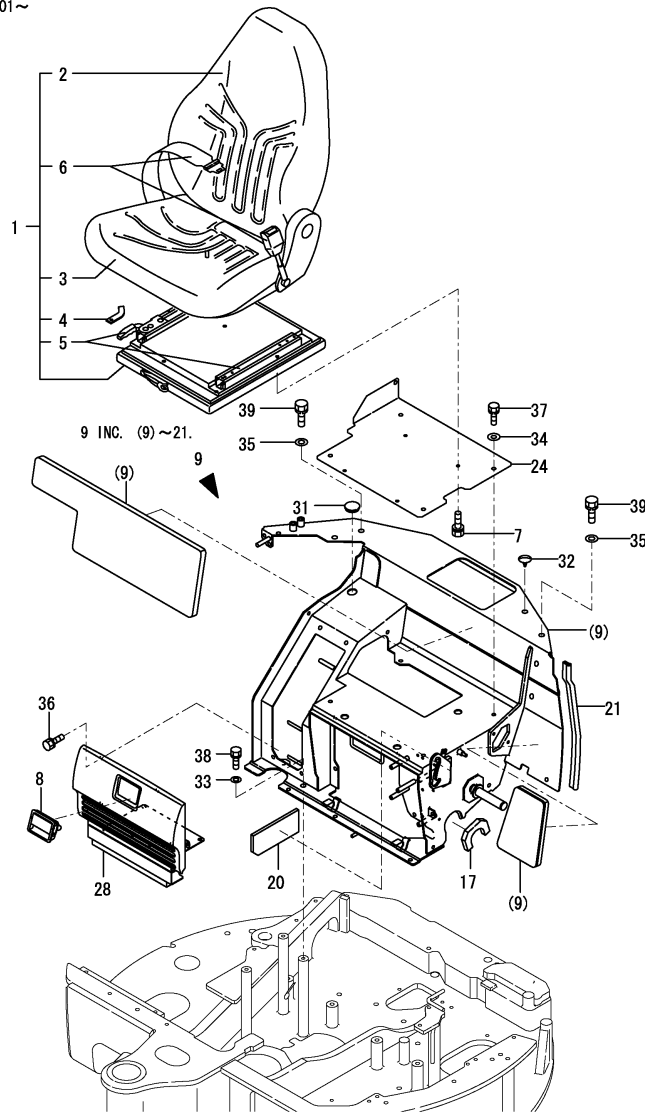
- (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
REF.NO.57E,57F,57G & 57H
- (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
CAB.SPEC:REF.NO.57A,57B,57C & 57D  
CAN.SPEC:REF.NO.57A,57B,57C & 57I
- (3)LABELS ARE NOT ILLUSTRATED.
- (4)NOT APPLIED FOR TIM CABIN & W/O SEAT SPEC.
- (5)TIM CABIN SPEC. (M)MISPRINT.

Fig.52. SEAT & SEAT MOUNT(NEW:CABIN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172467-64100	SEAT, OPERATOR	1	1		1				
2	2	172467-64110	CUSHION, BACKREST	1	1		1				
3	2	172467-64120	CUSHION, SEAT	1	1		1				
4	2	172467-64130	STOPPER	1	1		1				
5	2	172467-64140	RAIL SET	1	1		1				
6	2	172989-64451	BELT, SEAT	1	1		1				
7	1	26013-080162	BOLT, M8X 16	4	4		4				
8	1	172187-61421	HANDLE, LOCK	1	1		1				
9	1	172472-64200	MOUNT ASSY,SEAT	1	1		1				1
17	2	172458-64660	SEAL	1	1		1				
20	2	172458-64750	SEAL, SEAT MOUNT	1	1		1				
21	2	172164-65730	RUBBER, SEAL	1	1		1				
24	1	172472-64290	PLATE,SEAT (GRAY:73)	1	1		1				
28	1	172458-64441	GRILLE ASSY	1	1		1				2
31	1	172458-64590	PLUG 28X3.2	1	1		1				
32	1	172458-64600	CLIP, TREE	3	3		3				
33	1	22137-100000	WASHER, 10	3	3		3				
34	1	22137-100000	WASHER, 10	5	5		5				
35	1	22137-120000	WASHER, 12	2	2		2				
36	1	26013-100202	BOLT, M10X 20	4	4		4				
37	1	26013-100202	BOLT, M10X 20	5	5		5				
38	1	26013-100252	BOLT, M10X 25	2	2		2				
39	1	26013-120252	BOLT, M12X 25	2	2		2				
40A	1	172472-03170	LABEL,FUSE	1							3
40A-1	1	172472-03171	LABEL,FUSE US	1	1		1				R 3
(A=M/#25676)											
40B	1	172437-03530	LABEL,RE-START	1	1		1				3
40C	1	172437-03300	LABEL,MANUAL	1	1		1				3
40D	1	172437-03470	LABEL,LEVER LOCK	1	1		1				3
41A	1	172472-03150	LABEL,OIL&WATER	1	1		1				3
41B	1	172472-03160	LABEL,GREASE	1	1		1				3
41C	1	172472-03191	LABEL,SPEC C US	1	1		1				3
41D	1	172472-03200	LABEL,SUPORT C US	1	1		1				3

Remarks

(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.40A,40B,40C & 40D

(2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.41A,41B,41C & 41D

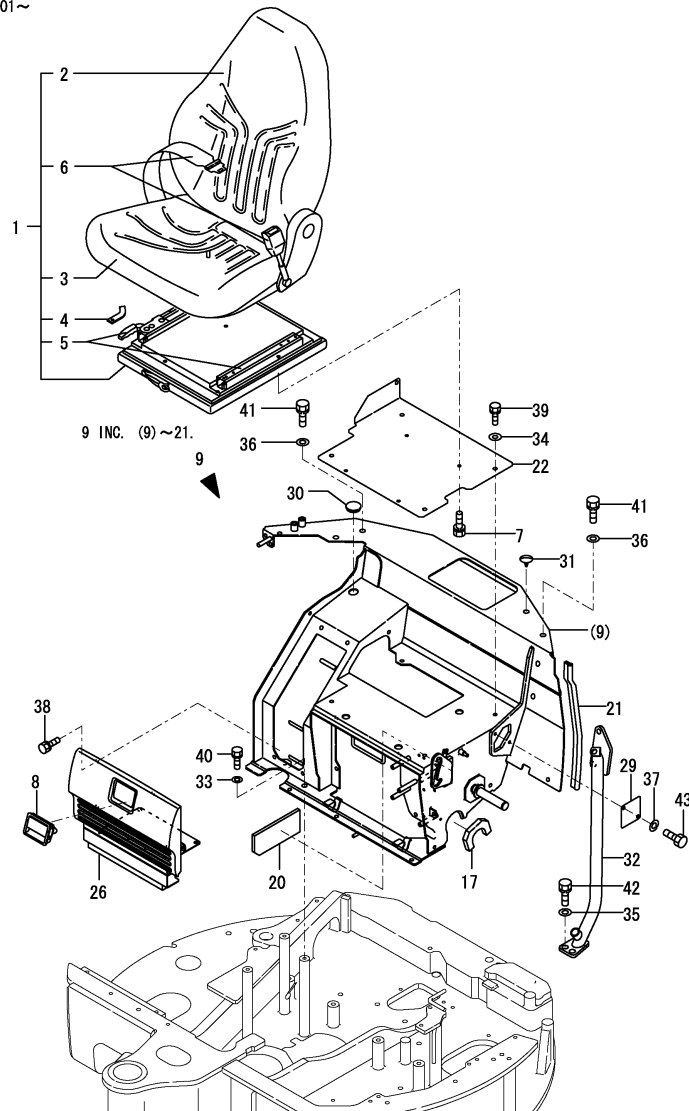
(3)LABELS ARE NOT ILLUSTRATED.

Fig.53. SEAT & SEAT MOUNT(NEW:CANOPY)

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172467-64100	SEAT, OPERATOR	1	1	1					
2	2	172467-64110	CUSHION, BACKREST	1	1	1					
3	2	172467-64120	CUSHION, SEAT	1	1	1					
4	2	172467-64130	STOPPER	1	1	1					
5	2	172467-64140	RAIL SET	1	1	1					
6	2	172989-64451	BELT, SEAT	1	1	1					
7	1	26013-080162	BOLT, M8X 16	4	4	4					
8	1	172187-61421	HANDLE, LOCK	1	1	1					
9	1	172465-64210	SEAT MOUNT (GRAY:73)	1	1	1				1	
17	2	172458-64660	SEAL	1	1	1					
20	2	172458-64750	SEAL, SEAT MOUNT	1	1	1					
21	2	172164-65730	RUBBER, SEAL	1	1	1					
22	1	172472-64290	PLATE,SEAT (GRAY:73)	1	1	1					
26	1	172458-64441	GRILLE ASSY	1	1	1				2	
29	1	172458-64510	COVER, SEAT MOUNT	1	1	1					
30	1	172458-64590	PLUG 28X3.2	1	1	1					
31	1	172458-64600	CLIP, TREE	1	1	1					
32	1	172472-64700	PIPE	1	1	1					
33	1	22137-100000	WASHER, 10	3	3	3					
34	1	22137-100000	WASHER, 10	5	5	5					
35	1	22137-120000	WASHER, 12	4	4	4					
36	1	22137-120000	WASHER, 12	2	2	2					
37	1	22217-080000	WASHER, SPRING 8	2	2	2					
38	1	26013-100202	BOLT, M10X 20	4	4	4					
39	1	26013-100202	BOLT, M10X 20	5	5	5					
40	1	26013-100252	BOLT, M10X 25	3	3	3					
41	1	26013-120252	BOLT, M12X 25	2	2	2					
42	1	26013-120302	BOLT, M12X 30	4	4	4					
43	1	26116-080162	BOLT, M8X 16 PLATED	2	2	2					
44A	1	172472-03170	LABEL,FUSE	1							3
44A-1	1	172472-03171	LABEL,FUSE US	1	1	1				1	3
		(B=M/#25676)									
44B	1	172437-03530	LABEL,RE-START	1	1	1					3
44C	1	172437-03300	LABEL,MANUAL	1	1	1					3
44D	1	172437-03470	LABEL,LEVER LOCK	1	1	1					3
45A	1	172472-03150	LABEL,OIL&WATER	1	1	1					3
45B	1	172472-03160	LABEL,GREASE	1	1	1					3
45C	1	172472-03191	LABEL,SPEC C US	1	1	1					3
45D	1	172472-03140	LABEL,SUPORT US	1	1	1					3

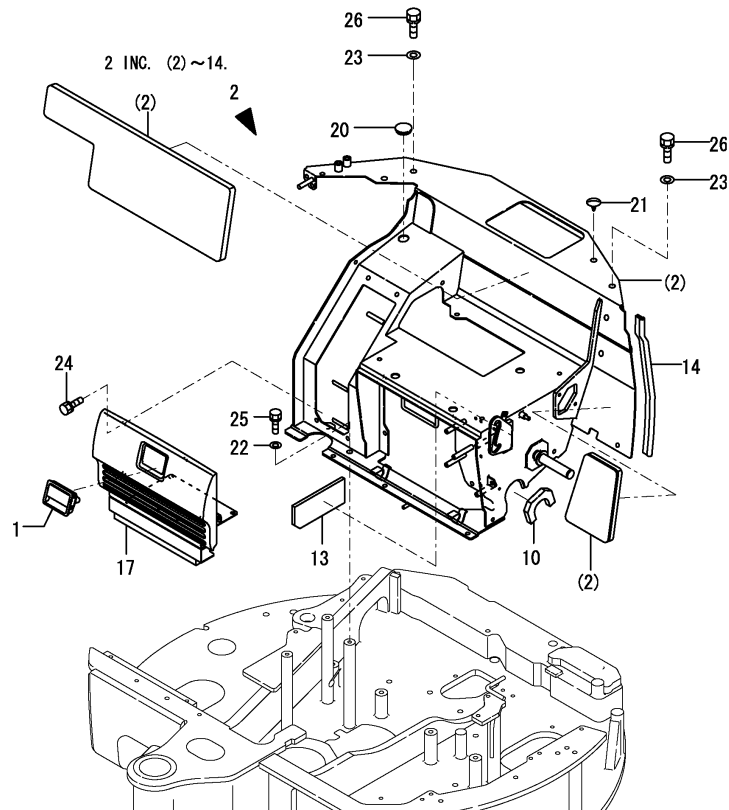
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.44A,44B,44C & 44D  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.45A,45B,45C & 45D  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.54. SEAT MOUNT(NEW:TIM CABIN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

M/#25501~



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172187-61421	HANDLE, LOCK	1							
2	1	172472-64200	MOUNT ASSY,SEAT	1							1
10	2	172458-64660	SEAL	1							
13	2	172458-64750	SEAL, SEAT MOUNT	1							
14	2	172164-65730	RUBBER, SEAL	1							
17	1	172458-64441	GRILLE ASSY	1							2
20	1	172458-64590	PLUG 28X3.2	1							
21	1	172458-64600	CLIP, TREE	3							
22	1	22137-100000	WASHER, 10	3							
23	1	22137-120000	WASHER, 12	2							
24	1	26013-100202	BOLT, M10X 20	4							
25	1	26013-100252	BOLT, M10X 25	3							
26	1	26013-120252	BOLT, M12X 25	2							
27A	1	172472-03170	LABEL,FUSE	1							3
27A-1	1	172472-03171	LABEL,FUSE US	1							R 3
(A=M/#25676)											
27B	1	172437-03530	LABEL,RE-START	1							3
27C	1	172437-03300	LABEL,MANUAL	1							3
27D	1	172437-03470	LABEL,LEVER LOCK	1							3
28A	1	172472-03150	LABEL,OIL&WATER	1							3
28B	1	172472-03160	LABEL,GREASE	1							3
28C	1	172472-03190	LABEL,SPEC C US	1							3
28D	1	172472-03200	LABEL,SUPORT C US	1							3

Remarks

(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.27A,27B,27C & 27D

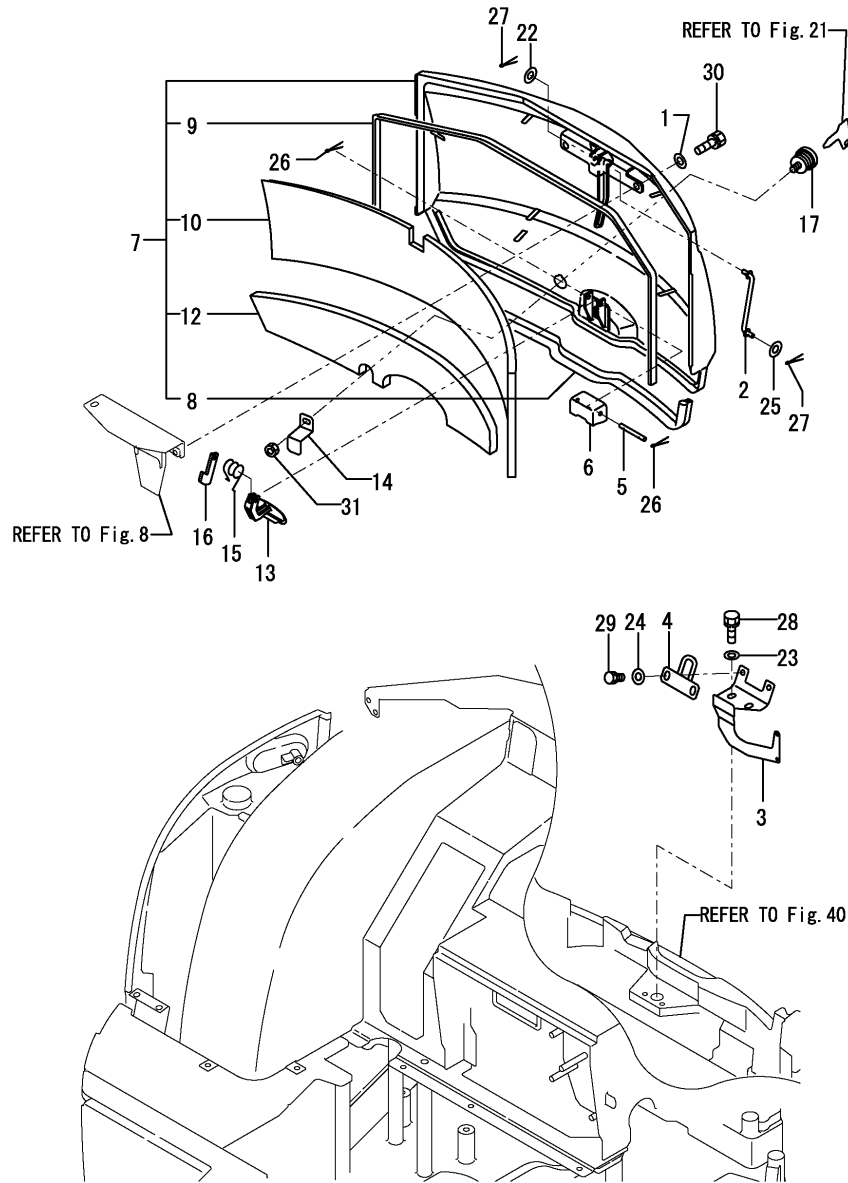
(2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.28A,28B,28C & 28D

(3)LABELS ARE NOT ILLUSTRATED.

Fig.55. HOOD(1)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



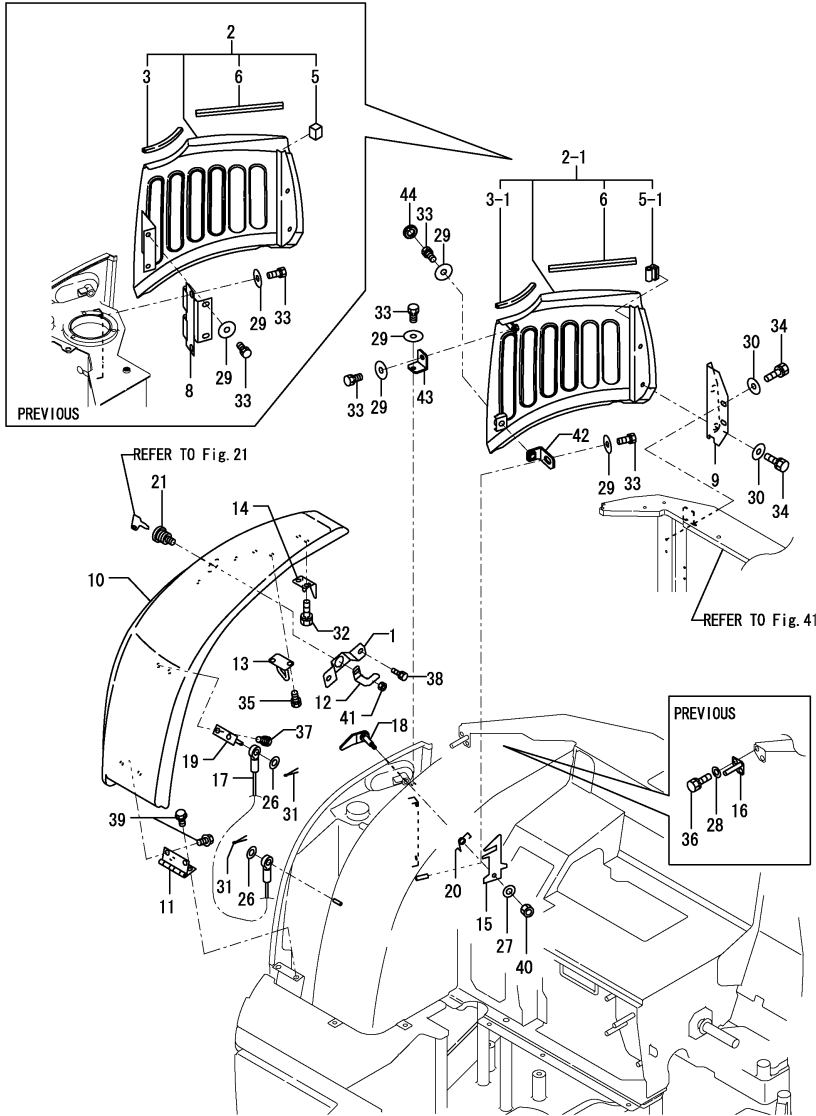
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194145-04810	WASHER 10	2	2	2	2	2	2		
2	1	172444-64730	ROD,STOPPER	1	1	1	1	1	1		
3	1	172458-65000	BRACKET A ASSY,LOCK	1	1	1	1	1	1		
4	1	172458-65020	BRACKET B ASSY,LOCK	1	1						
4-1	1	172458-65021	BRACKET B, LOCK	1	1	1	1	1	1		N
		(A=M/#20912) (B=M/#20912)									
5	1	172458-65050	SHAFT	1	1	1	1	1	1		
6	1	172458-65060	COVER, LOCK	1	1	1	1	1	1		
7	1	172457-65100-1	BONNET A (YELLOW:87)	1	1	1	1	1	1		1
8	2	172458-65070	SEAL	1	1	1	1	1	1		
9	2	172458-65080	RUBBER, SEAL	1	1	1	1	1	1		
10	2	172457-65110	SEAL	1	1	1	1	1	1		
12	2	172457-65120	SEAL	1	1	1	1	1	1		
13	1	172187-65210	LEVER ASSY, LOCK	1	1	1	1	1	1		
14	1	172458-65271	PLATE,ROCK	1	1	1	1	1	1		
15	1	172734-65270	SPRING, CATCH	1	1	1	1	1	1		
16	1	172124-65480	CATCHER	1	1	1	1	1	1		
17	1	172164-66170	KEY ASSY, CYLINDER	1	1	1	1	1	1		
22	1	22137-080000	WASHER, 8	1	1	1	1	1	1		
23	1	22137-100000	WASHER, 10	2	2	2	2	2	2		
24	1	22137-100000	WASHER, 10	2	2	2	2	2	2		
25	1	22157-080000	WASHER, 8	1	1						
25-1	1	1A1380-62160	WASHER	1	1	1	1	1	1		N
		(A=M/#21064) (B=M/#21064)									
26	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2	2	2		
27	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2	2	2		
28	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
29	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
30	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		
31	1	26347-100002	NUT, M10	1	1	1	1	1	1		
32A	1	172458-03160	LABEL, REAR	1	1	1	1	1	1		2
32B	1	172437-03380	LABEL,SWING AREA	1	1	1	1	1	1		2
32C	1	172437-03390	LABEL,RADIATOR	1	1	1	1	1	1		2
32D	1	172437-03400	LABEL,ENG.HOOD	1	1						2
32D-1	1	172437-03401	LABEL (ENG COVER US	1	1	1	1	1	1		R 2
		(A=M/#21242) (B=M/#21242)									
32E	1	172437-03421	LABEL,MUFFLER	1	1	1	1	1	1		2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.32A,32B,32C,32D & 32E  
 (2)LABELS ARE NOT ILLUSTRATED.

Fig.56. HOOD(2)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



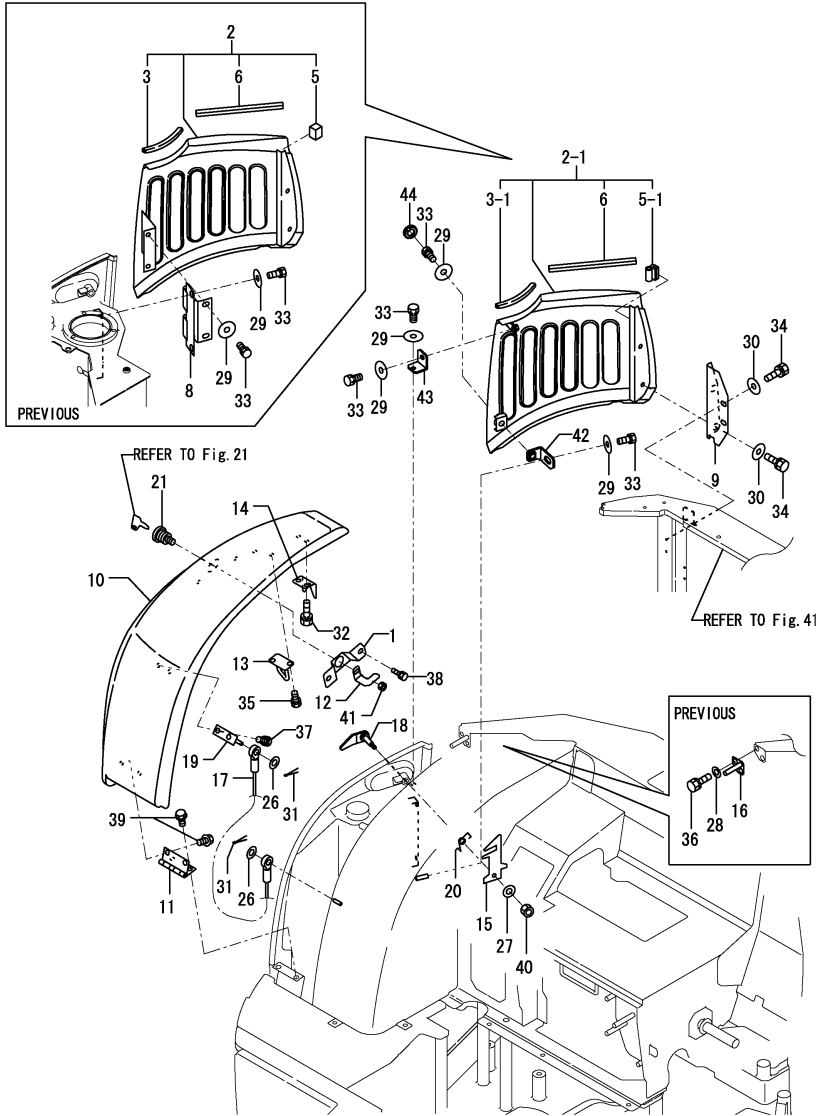
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172455-65230	PLATE,KEY (GILT	1	1	1	1	1	1		
2	1	172457-65300-1	BONNET R (YELLOW:87)	1	1						1
2-1	1	172457-65301-1	BONNET R (YELLOW:87)	1	1	1	1	1	1	1	S
		(A=M/#25501) (B=M/#25501)									
3	2	172435-61660	TRIM, 130	1	1						
3-1	2	172444-17620	SEAL	1	1	1	1	1	1	1	S
		(A=M/#25501) (B=M/#25501)									
5	2	172457-65330	SEAL, BONNET	1	1						
5-1	2	172444-54920	SEAL, WEIGHT	1	1	1	1	1	1	1	S
		(A=M/#25501) (B=M/#25501)									
6	2	172458-65390	RUBBER, SEAL	1	1	1	1	1	1	1	
8	1	172458-65400-1	HINGE,BONNET R (87)	1	1						Z
		(A=M/#25501) (B=M/#25501)									
9	1	172457-65440-1	BRACKET (GRAY:73)	1	1	1	1	1	1	1	
10	1	172472-65500	BONNET,B-US(YELLOW87)	1	1	1	1	1	1	1	2
11	1	172458-65510-1	HINGE,BONNET B (86)	1	1	1	1	1	1	1	
12	1	172458-65530	PLATE,LOCK	1	1						
12-1	1	172458-65531	PLATE,LOCK	1	1	1	1	1	1	1	N
		(A=M/#21064) (B=M/#21064)									
13	1	172458-65540	PLATE ASSY,STOPPER	1	1	1	1	1	1	1	
14	1	172458-65560	PLATE,GUIDE	1	1	1	1	1	1	1	
15	1	172458-65570	PLATE,HOOK	1	1	1	1	1	1	1	
16	1	172458-65580	BRACKET ASSY,GUIDE	1	1						Z
		(A=M/#25501) (B=M/#25501)									
17	1	172458-65600	CABLE	1	1	1	1	1	1	1	
18	1	172458-65610	HOOK ASSY	1	1	1	1	1	1	1	
19	1	172458-65640	STAY ASSY, WIRE	1	1	1	1	1	1	1	
20	1	172156-65690	SPRING, STOPPER	1	1	1	1	1	1	1	
21	1	172164-66170	KEY ASSY, CYLINDER	1	1	1	1	1	1	1	
26	1	22137-080000	WASHER, 8	2	2	2	2	2	2	2	
27	1	22137-080000	WASHER, 8	1	1	1	1	1	1	1	
28	1	22137-100000	WASHER, 10	2	2						Z
		(A=M/#25501) (B=M/#25501)									
29	1	22157-100000	WASHER, 10	4	4	4	4	4	4	4	
30	1	22157-100000	WASHER, 10	4	4	4	4	4	4	4	
31	1	22417-200200	PIN, COTTER 2.0X20	2	2	2	2	2	2	2	
32	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	
33	1	26013-100202	BOLT, M10X 20	4	4	4	4	4	4	4	
34	1	26013-100202	BOLT, M10X 20	4	4	4	4	4	4	4	
35	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	
36	1	26013-100202	BOLT, M10X 20	2	2						Z
		(A=M/#25501) (B=M/#25501)									
37	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	
38	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	
39	1	26106-100162	BOLT, M10X 16 PLATED	4	4	4	4	4	4	4	
40	1	26347-080002	NUT, M8	1	1	1	1	1	1	1	
41	1	26347-100002	NUT, M10	1	1	1	1	1	1	1	
42	1	172456-65461	BRACKET C	1	1	1	1	1	1	1	W
		(A=M/#25501) (B=M/#25501)									
43	1	172164-66490	BRACKET, RESERVOIR	1	1	1	1	1	1	1	W
		(A=M/#25501) (B=M/#25501)									

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.45A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.46A,46B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.56. HOOD(2)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



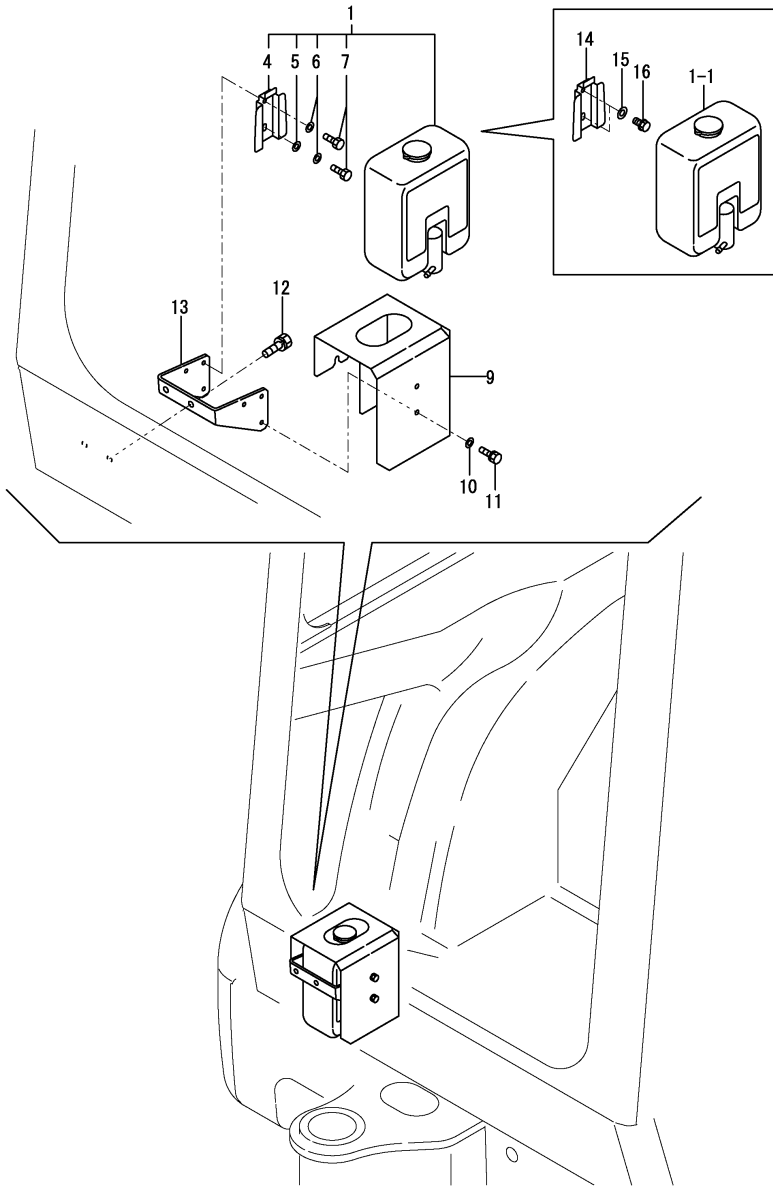
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
44	1	172455-65590 (A=M/#25611) (B=M/#25611)	PLUG 28X2.3	1	1	1	1	1	1	1	W
45A	1	172437-03410	LABEL,ENG.ROOM	1	1						3
45A-1	1	172437-03411 (A=M/#21242) (B=M/#21242)	LABEL (ENG ROOM US)	1	1	1	1	1	1	1	R 3
46A	1	172437-03500	LABEL,FUEL	1	1	1	1	1	1	1	3
46B	1	172437-03360	LABEL,BATTERY	1	1	1	1	1	1	1	3

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.45A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.46A,46B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.27. WINDOW WASHER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



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	172472-17611	TANK ASSY, WASHER	1	1		1			F	1
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				
4	2	172472-17650	BRACKET	1		1		1		Z	
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				
5	2	22137-060000	WASHER, 6	1		1		1		Z	
		(A=MZZZZZ)	(C=MZZZZZ)				(E=MZZZZZ)				
6	2	22217-060000	WASHER, SPRING 6	2		2		2		Z	
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				
7	2	26116-060162	BOLT, M6X 16 PLATED	2		2		2		Z	
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				
9	1	172472-17670	COVER ASSY, WASHER	1		1		1			
10	1	22137-060000	WASHER, 6	3		3		3			
11	1	26013-060122	BOLT, M6X 12	3		3		3			
12	1	26013-080202	BOLT, M8X 20	2		2		2			
13	1	172472-17660	BRACKET, WASHER	1		1		1			
14	1	120147-44810	BRACKET	1		1		1			W
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				
15	1	22137-060000	WASHER, 6	2		2		2		W	
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				
16	1	26013-060102	BOLT, M6X 10	2		2		2		W	
		(A=MXXXXX)	(C=MXXXXX)				(E=MXXXXX)				

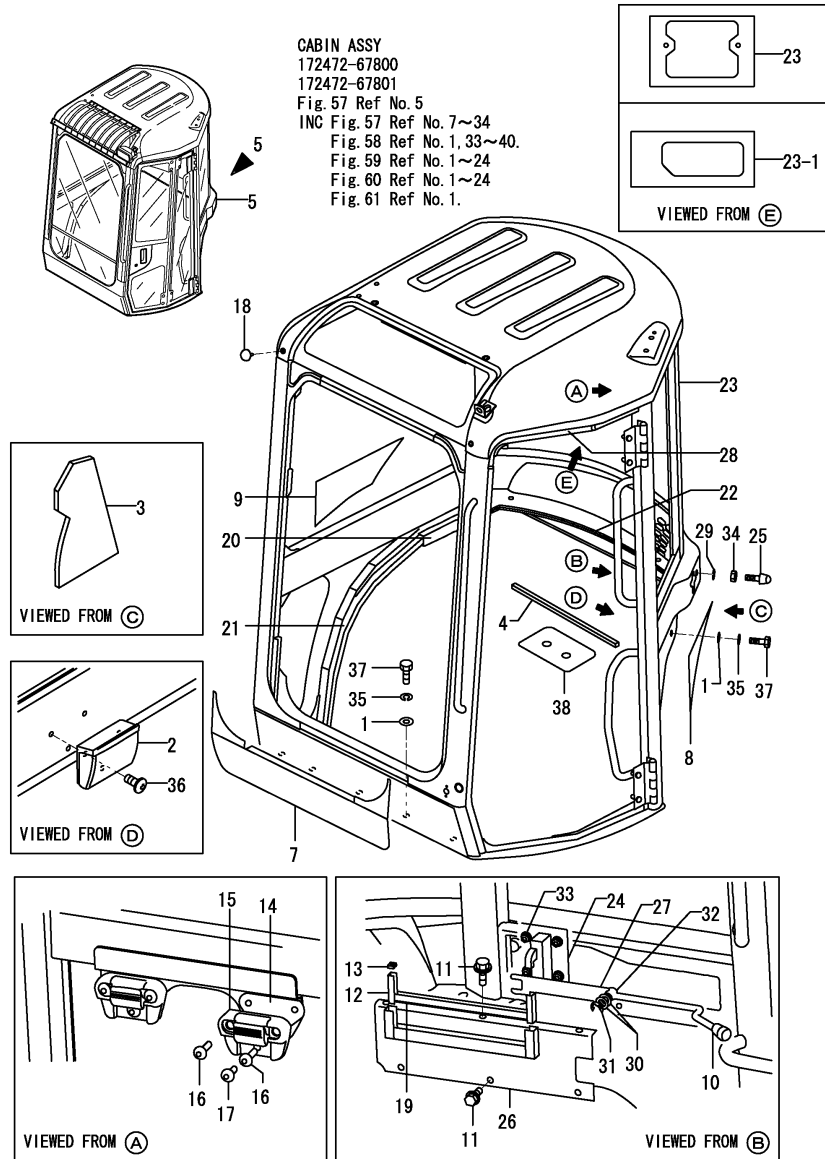
Remarks  
 (1)Interchangeable by simultaneous replacement with Ref.No.14,15,16.



Fig.57. CABIN(BODY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



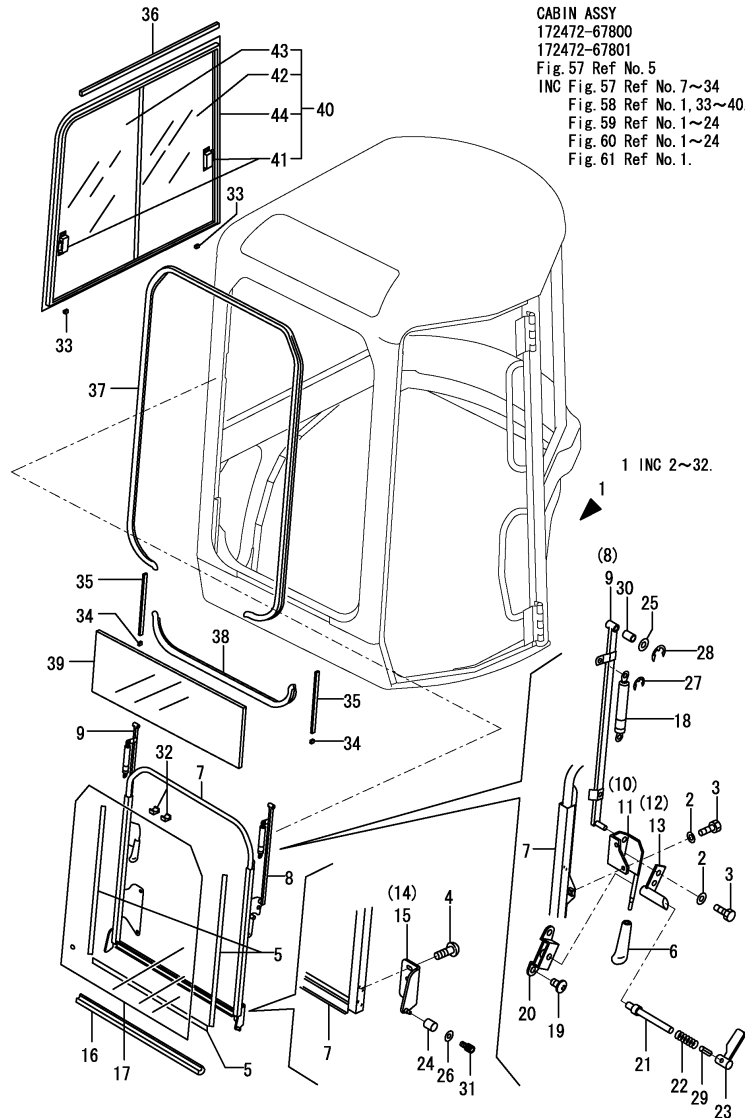
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-13220	WASHER	13	13	13					
2	1	172312-17250	ASHTRAY	1	1	1					
3	1	172458-63360	SHEET	1	1	1					
4	1	172458-63480	SEAL, SPONGE	1	1	1					
5	1	172472-67800	CABIN ASSY	1							
5-1	1	172472-67801	CABIN ASSY	1	1		1				R
(A=M/#25585)											
7	2	172458-03310	LABEL	1	1	1					
8	2	172458-03320	LABEL	1	1	1					
9	2	172458-03330	LABEL	1	1	1					
10	2	1E5100-51430	KNOB CLUTCH(RED)	1	1	1					
11	2	172519-63240	BOLT	6	6	6					
12	2	172455-67310	RUN, GLASS	2	2	2					
13	2	172455-67320	CAP, CHANNEL	2	2	2					
14	2	172455-67330	PLATE ASSY LOW GLASS	2	2	2					
15	2	172455-67340	HOLDER GLASS UP	2	2	2					
16	2	172455-67350	SCREW	4	4	4					
17	2	172455-67360	SCREW	2	2	2					
18	2	172455-67440	CLIP, TREE	4	4	4					
19	2	172458-67840	RUN, GLASS	1	1	1					
20	2	172458-67960	SEAL	1	1	1					
21	2	172458-67970	SEAL	1	1	1					
22	2	172458-67980	SEAL	1							
22-1	2	172458-67981	SEAL	1	1	1					S 3
(A=M/#25636)											
23	2	172472-67900	FRAME,CABIN(GREEN:83	1							1
23-1	2	172472-67901	FRAME,CABIN(GREEN:83	1	1		1				S 1
(A=M/#25585)											
24	2	172162-69050	LOCK ASSY	1	1	1					
25	2	172165-69190	RUBBER, STOPPER	1	1	1					
26	2	172458-69790	COVER ASSY	1	1	1					
27	2	172458-69830	LEVER	1	1	1					
28	2	172458-69930	SEAL, DOOR	1	1	1					
29	2	22117-100000	WASHER, 10	1	1	1					
30	2	22117-120000	WASHER, 12	2	2	2					
31	2	22272-000100	RING, E-10	1	1	1					
32	2	24550-012200	BUSH, 12X20	1	1	1					
33	2	26366-080002	NUT, M8	4	4	4					
34	2	26716-100002	NUT, M10	1	1	1					
35	1	22217-120000	WASHER, SPRING 12	13	13	13					
36	1	22867-400100	SCREW, 4X10	3	3	3					
37	1	26076-120402	BOLT, 10.912X 40	13	13	13					
38	1	172458-63580	SPACER	1	1	1					
39A	1	172147-03210	LABEL,2 SPEED	1							Z 2
(A=M/#25532)											
39B	1	172437-03440	LABEL,ROPS	1	1	1					2
39C	1	172437-03450	LABEL,SEAT BELT	1	1	1					2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.39A,39B,39C  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)REF.NO.22:1100MM,NO.22-1:1200MM

Fig.58. CABIN(GLASS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



CABIN ASSY  
 172472-67800  
 172472-67801  
 Fig. 57 Ref No. 5  
 INC Fig. 57 Ref No. 7~34  
 Fig. 58 Ref No. 1, 33~40.  
 Fig. 59 Ref No. 1~24  
 Fig. 60 Ref No. 1~24  
 Fig. 61 Ref No. 1.

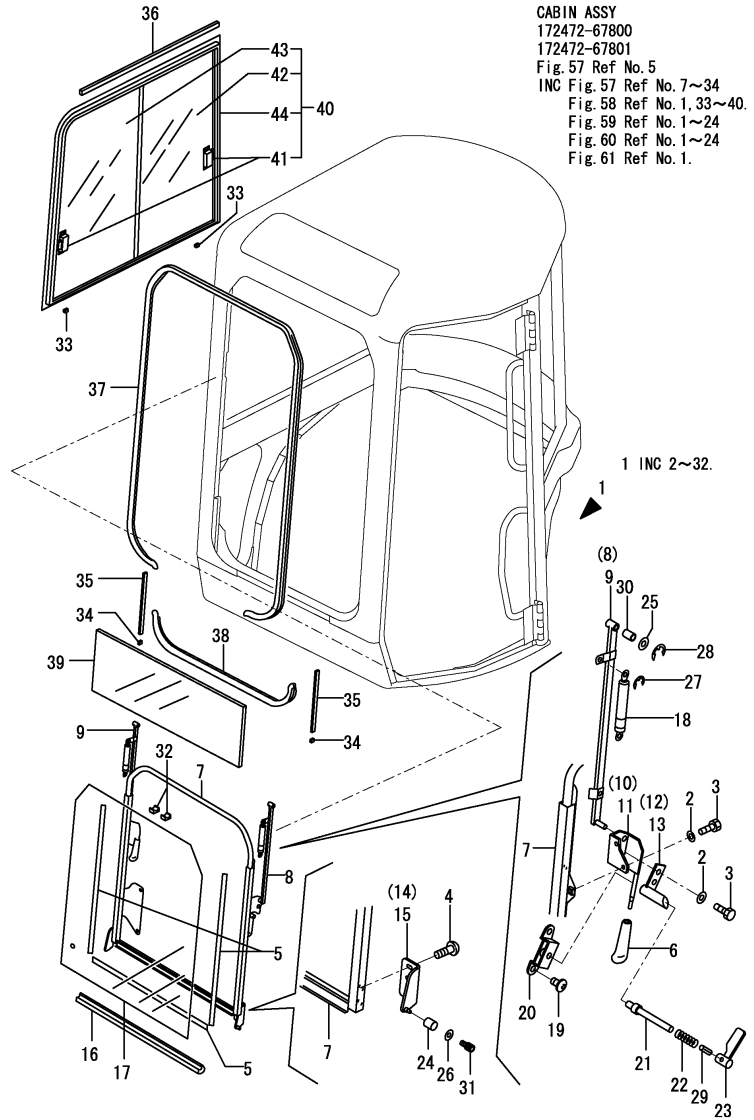
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172459-67810	SASH ASSY	1	1		1				
2	3	172458-63670	HD WASHER	8	8		8				
3	3	172458-63680	BOLT 8X16	8	8		8				
4	3	172458-63730	SCREW	1	1		1				
5	3	172458-63790	SEAL, DAM	3	3		3				
6	3	172445-66750	GRIP	2	2		2				
7	3	172458-67340	FRAME,FRONT W (12)	1	1		1				
8	3	172458-67440	LINK L,FW (12)	1	1		1				
9	3	172458-67510	LINK R,FW (12)	1	1		1				
10	3	172458-67520	HANDLE L	1	1		1				
11	3	172458-67550	HANDLE R	1	1		1				
12	3	172458-67570	RUCHE	1	1		1				
13	3	172458-67610	RUCHE	1	1		1				
14	3	172458-67670	SHAFT ASSY, ROLLER	1	1		1				
15	3	172458-67680	SHAFT ASSY, ROLLER	1	1		1				
16	3	172458-67870	RUBBER, SEAL	1	1		1				
17	3	172458-67900	GLASS	1	1		1				
18	3	172458-67920	SPRING, GAS	2	2		2				
19	3	172463-69150	SCREW	4	4		4				
20	3	172463-69160	HOLDER ASSY,F/W	2	2		2				
21	3	172463-69190	LATCH PIN	2	2		2				
22	3	172463-69200	SPRING	2	2		2				
23	3	172463-69210	LEVER ASSY,F/W	2	2		2				
24	3	172445-69740	ROLLER	2	2		2				
25	3	22117-120000	WASHER, 12	4	4		4				
26	3	22137-060000	WASHER, 6	2	2		2				
27	3	22272-000060	RING, E- 6	4	4		4				
28	3	22272-000080	RING, E- 8	4	4		4				
29	3	22351-030012	PIN, SPRING 3.0X12	2	2		2				
30	3	24550-012200	BUSH, 12X20	4	4		4				
31	3	26450-060102	BOLT, M6X 10	2	2		2				
32	3	172458-67850	RUBBER, STOPPER	2	2		2				
33	2	172455-67610	SPACER	2	2		2				
34	2	172455-67710	RUBBER, STOPPER	2	2		2				
35	2	172458-67830	RUN, GLASS	2	2		2				
36	2	172458-63760	SEAL, SPONGE	1	1		1				
37	2	172458-67860	RUBBER, SEAL	1	1		1				
38	2	172458-67880	RUBBER, SEAL	1	1		1				
39	2	172458-67910	GLASS	1	1		1				
40	2	172458-69250	SASH ASSY	1	1		1				1
41	3	172455-67770	LOCK ASSY, SASH	2	2		2				W
(A=M/#20793)											
42	3	172458-69260	GLASS, SASH	1	1		1				W
(A=M/#20793)											
43	3	172458-69270	GLASS, SASH	1	1		1				W
(A=M/#20793)											
44	3	172458-69280	FRAME, SASH	1	1		1				W
(A=M/#20793)											
45A	1	172472-03130	LABEL,LIFT US	1	1		1				2
45B	1	172437-03550	LABEL,WINDOW	1	1		1				2
45C	1	172149-03430	LABEL	1	1		1				2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 STANDARD SPEC:REF.NO.45A,45B,45C & 45D  
 QUICK COUPLER SPEC:REF.NO.45B,45D, 45E,45F & 45G  
 (2)LABELS ARE NOT ILLUSTRATED.

Fig.58. CABIN(GLASS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
45D	1	172437-03600	LABEL	1		1		1			2
45E	1	172472-03220	LABEL,LIFT	1							2
45E-1	1	172472-03221	LABEL, LIFT Q US	1		1		1		N	2
(A=M/#21064)											
45F	1	172472-03240	LABEL,PIN US	1		1		1			2
45G	1	172472-03250	LABEL,OPERATION Q US	1		1		1			2

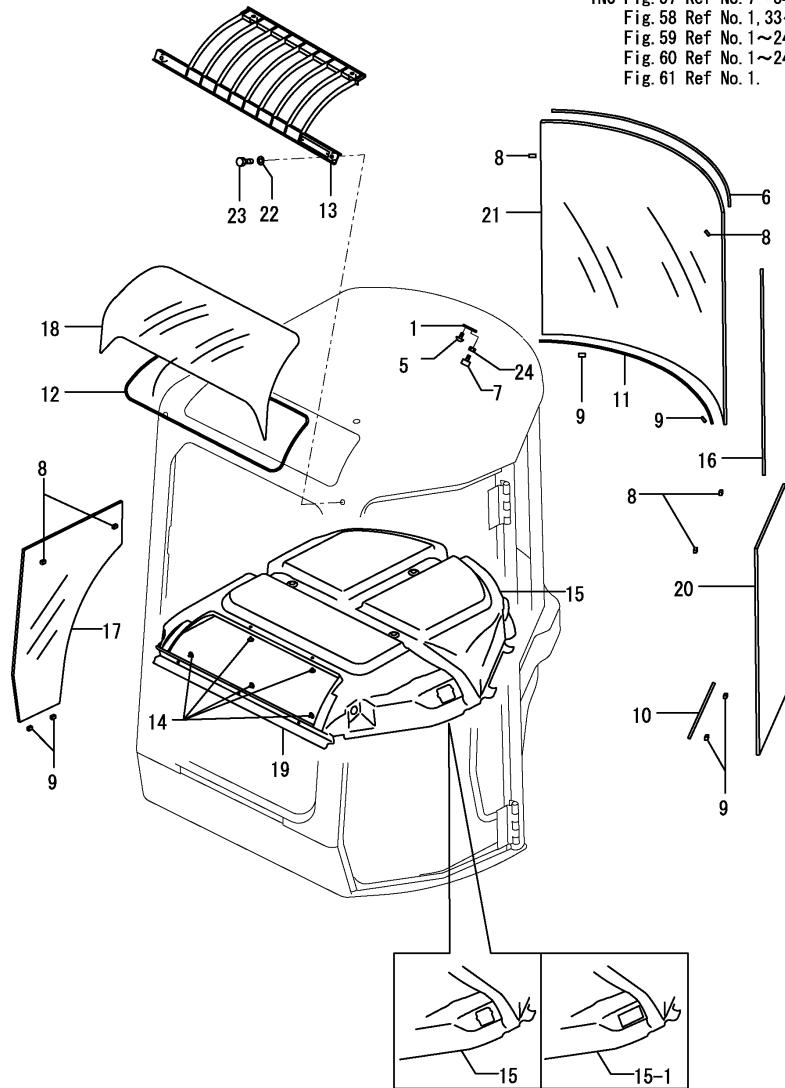
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 STANDARD SPEC:REF.NO.45A,45B,45C & 45D  
 QUICK COUPLER SPEC:REF.NO.45B,45D, 45E,45F & 45G  
 (2)LABELS ARE NOT ILLUSTRATED.

Fig.59. CABIN(ACCESSORY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

CABIN ASSY  
 172472-67800  
 172472-67801  
 Fig. 57 Ref No. 5  
 INC Fig. 57 Ref No. 7~34  
 Fig. 58 Ref No. 1, 33~40.  
 Fig. 59 Ref No. 1~24  
 Fig. 60 Ref No. 1~24  
 Fig. 61 Ref No. 1.



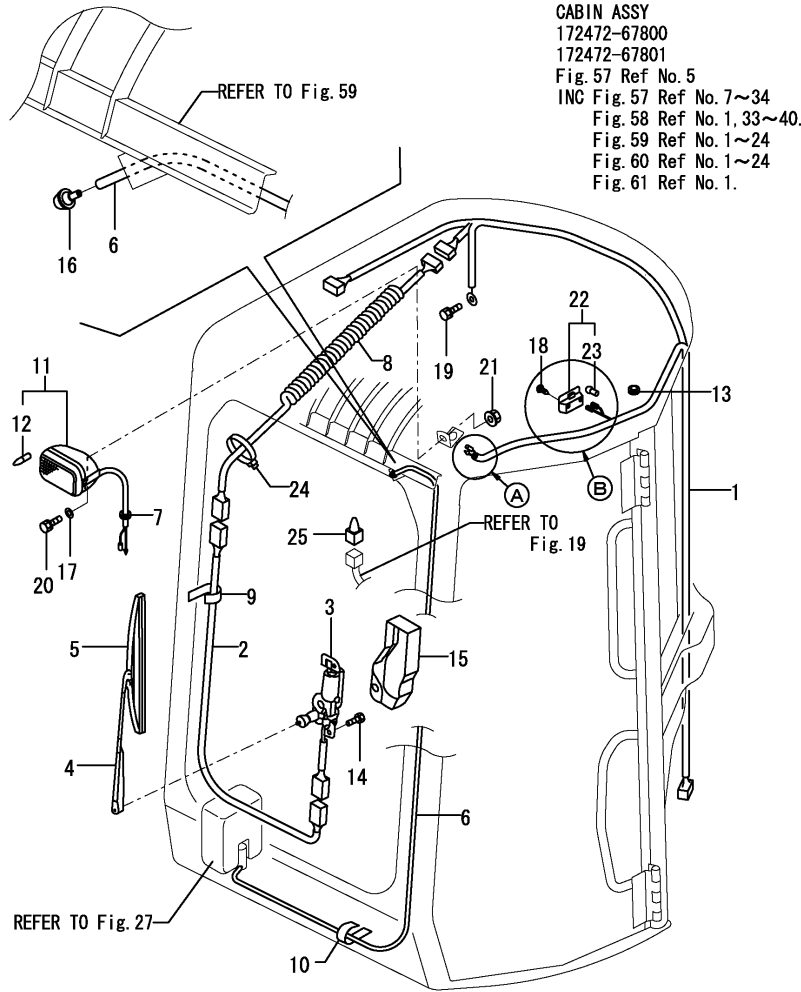
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172458-63700	PLATE	1	1		1				
5	2	172458-63730	SCREW	4	4		4				
6	2	172458-63770	TRIM	1	1		1				
7	2	172458-63800	RUBBER, STOPPER	1	1		1				
8	2	172458-63950	SPACER	6	6		6				
9	2	172458-63960	SPACER	6	6		6				
10	2	172458-63970	SEAL, DAM	1	1		1				
11	2	172458-63980	SEAL, DAM	1	1		1				
12	2	172458-63990	SEAL, DAM	1	1		1				
13	2	172472-66610	GUARD, FOPS	1							
13-1	2	172472-66600	GUARD, FOPS	1		1		1			N
(A=M/#20852)											
14	2	172455-67550	CLIP	15		15		15			
15	2	172458-68850	INNER ROOF	1							
15-1	2	172458-68851	INNER ROOF	1		1		1			S
(A=M/#25585)											
16	2	172458-69090	TRIM	1		1		1			
17	2	172458-69200	GLASS	1		1		1			
18	2	172458-69210	SUNROOF	1		1		1			
19	2	172458-69220	INNER FRONT	1		1		1			
20	2	172458-69230	GLASS	1		1		1			1
21	2	172458-69240	GLASS	1		1		1			
22	2	22137-100000	WASHER, 10	4		4		4			
23	2	26076-100352	BOLT, 10.910X 35	4		4		4			
24	2	26716-100002	NUT, M10	1		1		1			
25A	1	172463-03320	LABEL,F/W LOWER US	1		1		1			2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.25A  
 (2)LABELS ARE NOT ILLUSTRATED.

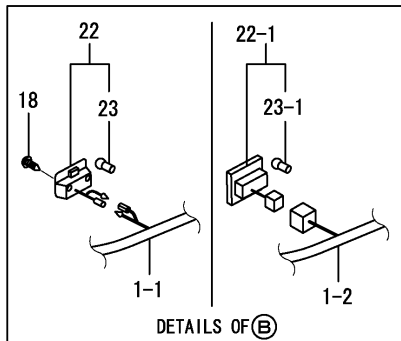
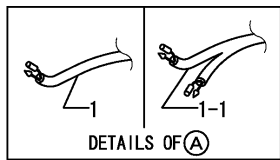
Fig.60. CABIN(ELECTRIC PART)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



CABIN ASSY  
 172472-67800  
 172472-67801  
 Fig. 57 Ref No. 5  
 INC Fig. 57 Ref No. 7~34  
 Fig. 58 Ref No. 1, 33~40.  
 Fig. 59 Ref No. 1~24  
 Fig. 60 Ref No. 1~24  
 Fig. 61 Ref No. 1.



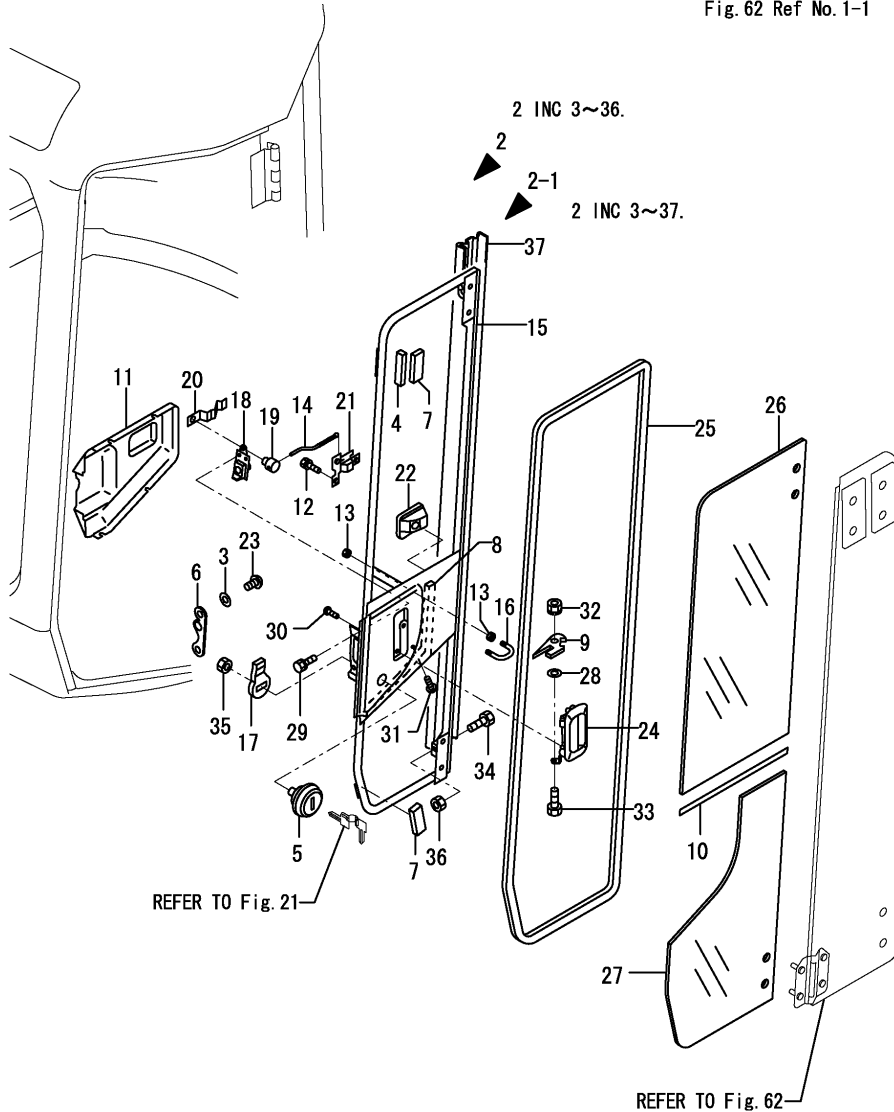
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172458-16610	WIRE HARNESS A	1							
1-1	2	172458-16611	WIRE HARNESS A(CABIN)	1							S
(A=M/#25532)											
1-2	2	172458-16612	HARNESS A,WIRE(CABIN)	1	1		1				S
(A=M/#25585)											
2	2	172458-16620	WIRE HARNESS B	1	1		1				
3	2	172458-17210	WIPER MOTOR	1	1		1				
4	2	172458-17220	ARM, WIPER	1	1		1				
5	2	172458-17230	WIPER BLADE	1	1		1				
6	2	172472-17620	HOSE,WASHER	1	1		1				
7	2	172455-67870	GROMMET	2	2		2				
8	2	172455-67880	CORD	1	1		1				
9	2	172455-67910	CLAMP, HARNESS	3	3		3				
10	2	172455-67910	CLAMP, HARNESS	3	3		3				
11	2	172455-67970	WORKING LAMP	1	1		1				
12	2	172458-17420	BULB	1	1		1				W
(A=M/#20793)											
13	2	172458-69320	GROMMET	1	1		1				
14	3	172455-69410	SET SCREW	2	2		2				
15	3	172455-69490	COVER, WIPER	1	1		1				
16	3	198094-86060	NOZZLE, WASHER	1	1		1				
17	3	22137-080000	WASHER, 8	1	1		1				
18	3	22857-400100	SCREW, 4X10	2							Z
(A=M/#25585)											
19	3	26013-080162	BOLT, M8X 16	1	1		1				
20	3	26116-080202	BOLT, M8X 20 PLATED	1	1		1				
21	3	26366-080002	NUT, M8	1	1		1				
22	3	933113-05150	LAMP, ROOM	1							
22-1	3	172455-67900	ROOM LAMP	1	1		1				S
(A=M/#25585)											
23	3	933113-05160	BULB, 12V 5W	1							
23-1	3	172455-67930	BULB	1	1		1				S
(A=M/#25585)											
24	2	933168-55770	BAND 146	1	1		1				
25	1	172190-16500	HARNESS	1	1		1				

Fig.61. CABIN DOOR(FRONT)

CABIN ASSY  
172472-67800  
172472-67801  
Fig. 57 Ref No. 5  
INC Fig. 57 Ref No. 7~34  
Fig. 58 Ref No. 1, 33~40.  
Fig. 59 Ref No. 1~24  
Fig. 60 Ref No. 1~24  
Fig. 61 Ref No. 1.

CABIN DOOR ASSY  
172459-67820  
Fig. 61 Ref No. 1  
INC Fig. 61 Ref No. 2  
Fig. 62 Ref No. 1

CABIN DOOR ASSY  
172472-67821  
Fig. 61 Ref No. 1-1  
INC Fig. 61 Ref No. 2-1  
Fig. 62 Ref No. 1-1



(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

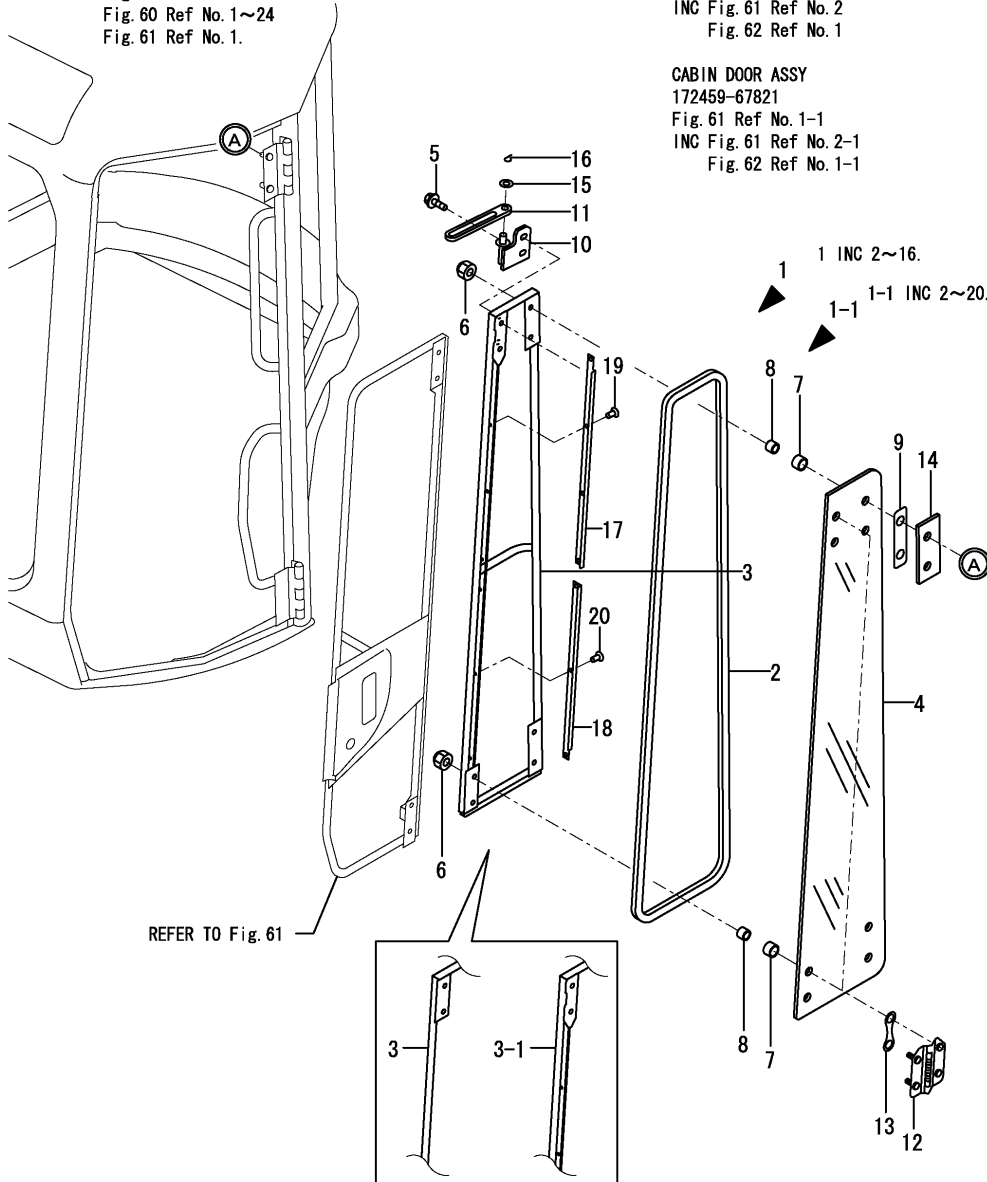
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172459-67820	DOOR ASSY	1							
1-1	2	172459-67821	DOOR ASSY	1		1		1			R
(A=M/#21135)											
2	3	172459-67830	DOOR ASSY	1							
2-1	3	172459-67831	DOOR ASSY	1		1		1			S
(A=M/#21135)											
3	4	172458-63670	HD WASHER	2		2		2			
4	4	172458-63930	STOPPER	1		1		1			
5	4	172164-66170	KEY ASSY, CYLINDER	1		1		1			
6	4	172458-67020	STRIKER ASSY	1		1		1			
7	4	172458-63950	SPACER	3		3		3			
8	4	172458-67650	SEAL, DAM	1		1		1			
9	4	172458-67940	PLATE	1		1		1			
10	4	172458-69100	TRIM	1		1		1			
11	4	172455-69170	COVER, LATCH	1		1		1			
12	4	172455-69300	SCREW	3		3		3			
13	4	172445-69320	NUT	4		4		4			
14	4	172445-69400	ROD	1		1		1			
15	4	172458-69400	FRAME,DOOR F (12)	1		1		1			
16	4	172445-69420	DOOR HOOK	1		1		1			
17	4	172162-69470	LOCK PLATE	1		1		1			
18	4	172162-69480	LOCK ASSY	1		1		1			
19	4	172162-69490	PIN	1		1		1			
20	4	172162-69500	SPRING	1		1		1			
21	4	172162-69510	HANDLE ASSY	1		1		1			
22	4	172162-69520	COVER	1		1		1			
23	4	172455-69520	SCREW	2		2		2			
24	4	172162-69541	HANDLE,OUTER	1		1		1			
25	4	172458-69580	TRIM ASSY	1		1		1			
26	4	172458-69900	GLASS, DOOR	1		1		1			
27	4	172458-69910	GLASS, DOOR	1		1		1			
28	4	22137-080000	WASHER, 8	1		1		1			
29	4	26013-060162	BOLT, M6X 16	3		3		3			
30	4	26023-060122	SCREW, M6X12	2		2		2			
31	4	26023-060162	SCREW, M6X16	4		4		4			
32	4	26051-080002	NUT, M8	1		1		1			
33	4	26116-080202	BOLT, M8X 20 PLATED	1		1		1			
34	4	26116-100304	BOLT, M10X 30 PLATED	1		1		1			
35	4	26716-100002	NUT, M10	1		1		1			
36	4	26716-100002	NUT, M10	1		1		1			
37	4	172458-66720	COVER, DOOR	1		1		1			W
(A=M/#21135)											

Fig.62. CABIN DOOR(REAR)

CABIN ASSY  
172472-67800  
172472-67801  
Fig. 57 Ref No. 5  
INC Fig. 57 Ref No. 7~34  
Fig. 58 Ref No. 1, 33~40.  
Fig. 59 Ref No. 1~24  
Fig. 60 Ref No. 1~24  
Fig. 61 Ref No. 1.

CABIN DOOR ASSY  
172459-67820  
Fig. 61 Ref No. 1  
INC Fig. 61 Ref No. 2  
Fig. 62 Ref No. 1

CABIN DOOR ASSY  
172459-67821  
Fig. 61 Ref No. 1-1  
INC Fig. 61 Ref No. 2-1  
Fig. 62 Ref No. 1-1



REFER TO Fig. 61

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

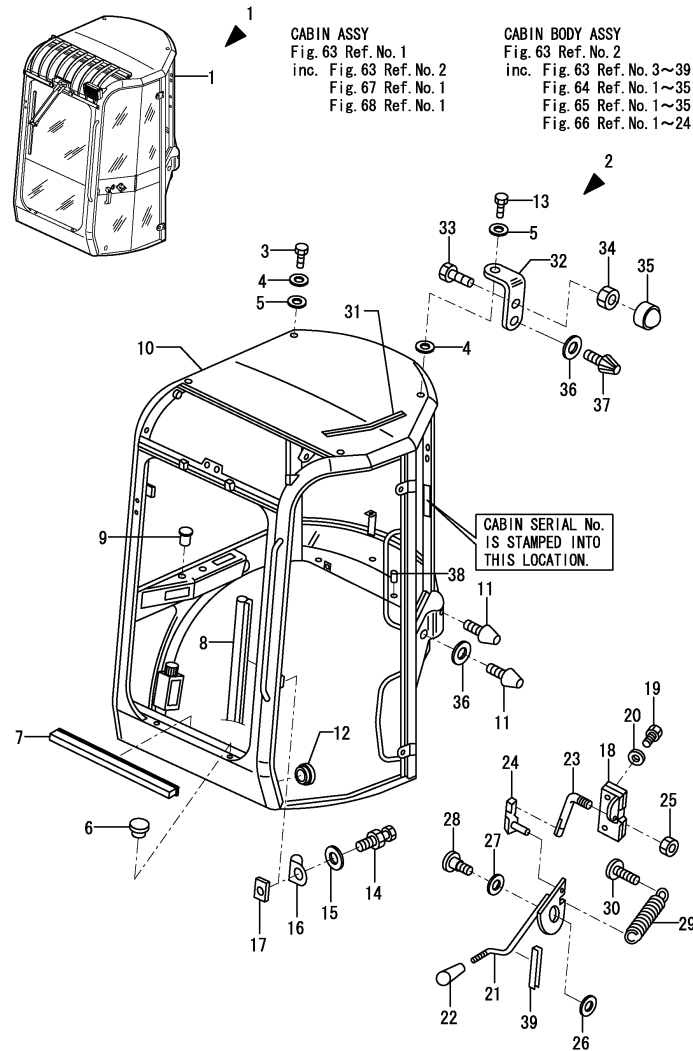
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172459-67840	DOOR ASSY	1							
1-1	2	172459-67841	DOOR ASSY	1		1		1			S
(A=M/#21135)											
2	4	172458-69590	TRIM ASSY	1		1		1			
3	4	172458-69600	FRAME ASSY,DOOR REAR	1							
3-1	3	172458-69601	FRAME,DOOR REAR (12)	1		1		1			S
(A=M/#21135)											
4	4	172458-69920	GLASS, DOOR	1		1		1			
5	4	172519-63240	BOLT	2		2		2			
6	4	172455-69140	NUT, CAP	12		12		12			
7	4	172455-69200	TUBE	12		12		12			
8	4	172455-69250	PIPE	12		12		12			
9	4	172455-69290	PACKING	4		4		4			
10	4	172458-69730	PLATE	1		1		1			
11	4	172458-69760	GUIDE, STOPPER	1		1		1			
12	4	172458-69770	HINGE	2		2		2			
13	4	172458-69960	GASKET	8		8		8			
14	4	172458-69990	COVER	2		2		2			
15	4	22137-080000	WASHER, 8	2		2		2			
16	4	22372-080000	PIN, SNAP 8	2							
16-1	4	22417-200160	PIN, COTTER 2.0X16	2		2		2			N
(A=M/#21031)											
17	3	172458-66780	UPPER PLATE,DOOR REA	1		1		1			W
(A=M/#21135)											
18	3	172458-66790	LOWER PLATE,DOOR REA	1		1		1			W
(A=M/#21135)											
19	3	172458-66800	SCREW	4		4		4			W
(A=M/#21135)											
20	3	172458-66800	SCREW	3		3		3			W
(A=M/#21135)											

Fig.63. TIM CABIN(BODY)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-68400	CABIN ASSY	1							3
2	2	172472-68410	CABIN ASSY	1							3
3	3	172456-68180	BOLT 16X30	1							3
4	3	172A21-68990	WASHER	2							3
5	3	172A21-68840	WASHER, 15X30X2	2							3
6	3	172456-68550	STOPPER	4							3
7	3	172472-68550	SEAL, 820	1							3
8	3	172472-68560	SEAL, 3300	1							3
9	3	172472-68840	NUT, M5	2							3
10	3	172472-68470	CABINE BASE ASSY	1							1
11	3	172437-68640	STOPPER, DOOR	2							3
12	3	172456-68570	PLUG	2							3
13	3	172472-68570	BOLT 16X40	1							3
14	3	172456-68720	CATCH, DOOR	1							3
15	3	172456-68750	WASHER, 12X30X2	1							3
16	3	172456-68730	PROTECTOR L	1							3
17	3	172456-68380	PLATE	1							3
18	3	172456-68880	CATCH, DOOR	1							3
19	3	172456-68390	BOLT 6X35	4							3
20	3	172456-68930	WASHER	4							3
21	3	172472-68590	REVER DOOR LOCK	1							3
22	3	172456-68770	KNOB, LEVER	1							3
23	3	172456-68850	LINKAGE	1							3
24	3	172456-68860	CLIP	1							3
25	3	172456-68870	NUT, SAFETY	1							3
26	3	172456-68780	WASHER	1							3
27	3	172456-68790	COLLAR, NYLON	1							3
28	3	172456-68800	SCREW	1							3
29	3	172456-68830	SPRING, 1.5X10X50	1							3
30	3	172456-68840	SCREW, M8X20	1							3
31	3	172472-68710	SEAL, 360	1							3
32	3	172472-68780	SUPPORT, DOOR	1							3
33	3	172472-68790	BOLT	1							3
34	3	172456-68100	NUT, M8	1							3
35	3	172A21-69030	CAP, NUT M8	1							3
36	3	172456-68710	WASHER, 10X38X5	2							3
37	3	172437-68640	STOPPER, DOOR	1							3
38	3	172A21-69020	NUT, M6	2							3
39	3	172456-69320	SEAL, 90	1							3
43A	1	172147-03210	LABEL,2 SPEED	1							Z 2
		(A=M/#25532)									
43B	1	172437-03440	LABEL,ROPS	1							2
43C	1	172437-03450	LABEL,SEAT BELT	1							2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.43A,43B,43C  
 (2)LABELS ARE NOT ILLUSTRATED.  
 (3)PARTS NO. ARE CHANGED, BUT BOTH PARTS ARE THE SAME.



Fig.64. TIM CABIN(Accessory)

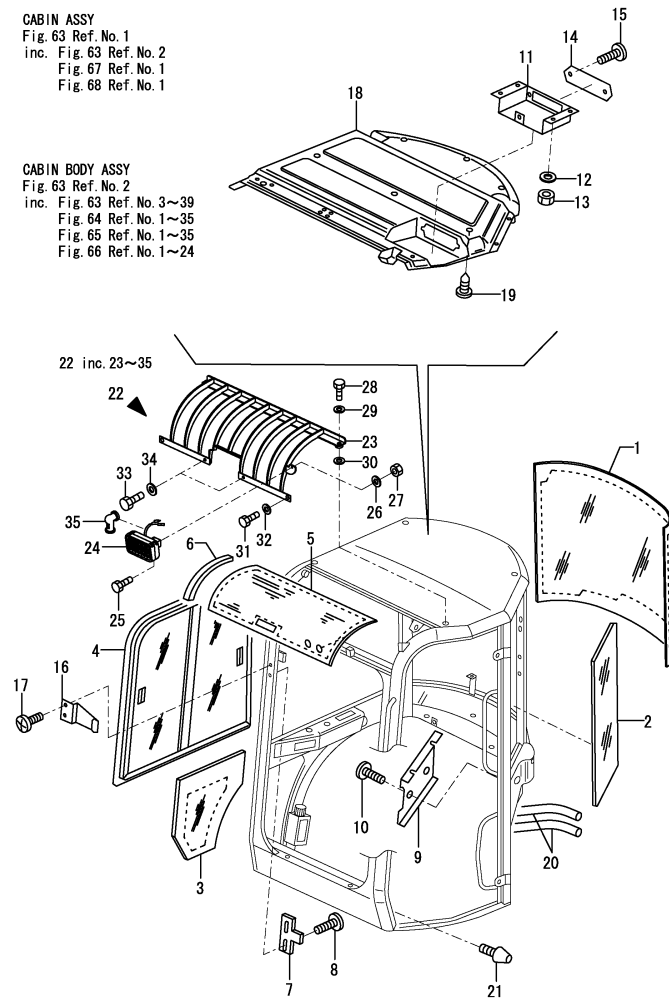
(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

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CABIN ASSY  
Fig. 63 Ref. No. 1  
inc. Fig. 63 Ref. No. 2  
Fig. 67 Ref. No. 1  
Fig. 68 Ref. No. 1

CABIN BODY ASSY  
Fig. 63 Ref. No. 2  
inc. Fig. 63 Ref. No. 3~39  
Fig. 64 Ref. No. 1~35  
Fig. 65 Ref. No. 1~35  
Fig. 66 Ref. No. 1~24



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172472-68480	GLASS	1							4
2	3	172472-68490	GLASS	1							1
3	3	172472-68500	GLASS	1							4
4	3	172472-68510	SASH ASSY	1							2
5	3	172472-68520	GLASS, SKYLIGHT	1							4
6	3	172456-68490	SEAL, JOINT 300	2							4
7	3	172437-68780	HOLDER,FRONT WINDOW	2							4
8	3	172456-68950	SCREW, M6X16	4							4
9	3	172472-68600	COVER, LOCK	1							4
10	3	172456-68950	SCREW, M6X16	4							4
11	3	172472-68620	SUPPORT, RADIO	1							4
12	3	172456-68930	WASHER	4							4
13	3	172456-69900	NUT, M6	4							4
14	3	172A21-68610	PLATE,RADIO	1							4
15	3	172456-68950	SCREW, M6X16	2							4
16	3	172456-68600	SUPPORT, WIPER BLADE	1							4
17	3	172456-68610	SCREW, M5X8	2							4
18	3	172472-68700	INNER ROOF	1							4
19	3	172A21-68870	CAP	10							4
20	2	172472-68450	HEATER HOSE	2							4
21	2	172472-68460	STOPPER, RUBBER	1							4
22	2	172472-68440	GRILLE ASSY	1							4
23	3	172472-69200	GRILLE ASSY	1							4
24	3	172472-69210	WORK LAMP	1							4
25	3	172456-69980	SCREW, M8X16	1							4
26	3	172456-69990	WASHER, 8	1							4
27	3	172456-68100	NUT, M8	1							4
28	3	172472-68570	BOLT 16X40	2							4
29	3	172A21-68990	WASHER	2							4
30	3	172A21-68840	WASHER, 15X30X2	2							4
31	3	172472-69220	BOLT 16X25	2							4
32	3	172A21-68990	WASHER	2							4
33	3	172472-69230	BOLT M10X20	2							4
34	3	172437-68350	WASHER 10.5X30X2.5	2							4
35	3	172456-68110	CAP	2							4
36A	1	172463-03320	LABEL,F/W LOWER US	1							3
36B	1	172472-03130	LABEL,LIFT US	1							3
36C	1	172437-03550	LABEL,WINDOW	1							3
36D	1	172149-03430	LABEL	1							3
36E	1	172437-03600	LABEL	1							3
36F	1	172472-03221	LABEL, LIFT Q US	1							3
36G	1	172472-03240	LABEL,PIN US	1							3
36H	1	172472-03250	LABEL,OPERATION Q US	1							3

Remarks

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

REF.NO.36A

(2)USE W/36B,36C,36D & 36E  
(STANDARD SPEC.)

USE W/36C,36E,36F,36G & 36H  
(QUICK COUPLER SPEC.)

(3)LABELS ARE NOT ILLUSTRATED.

(4)PARTS NO. ARE CHANGED, BUT BOTH PARTS ARE THE SAME.

Fig.65. TIM CABIN(ELECTRIC PART & WIPER)

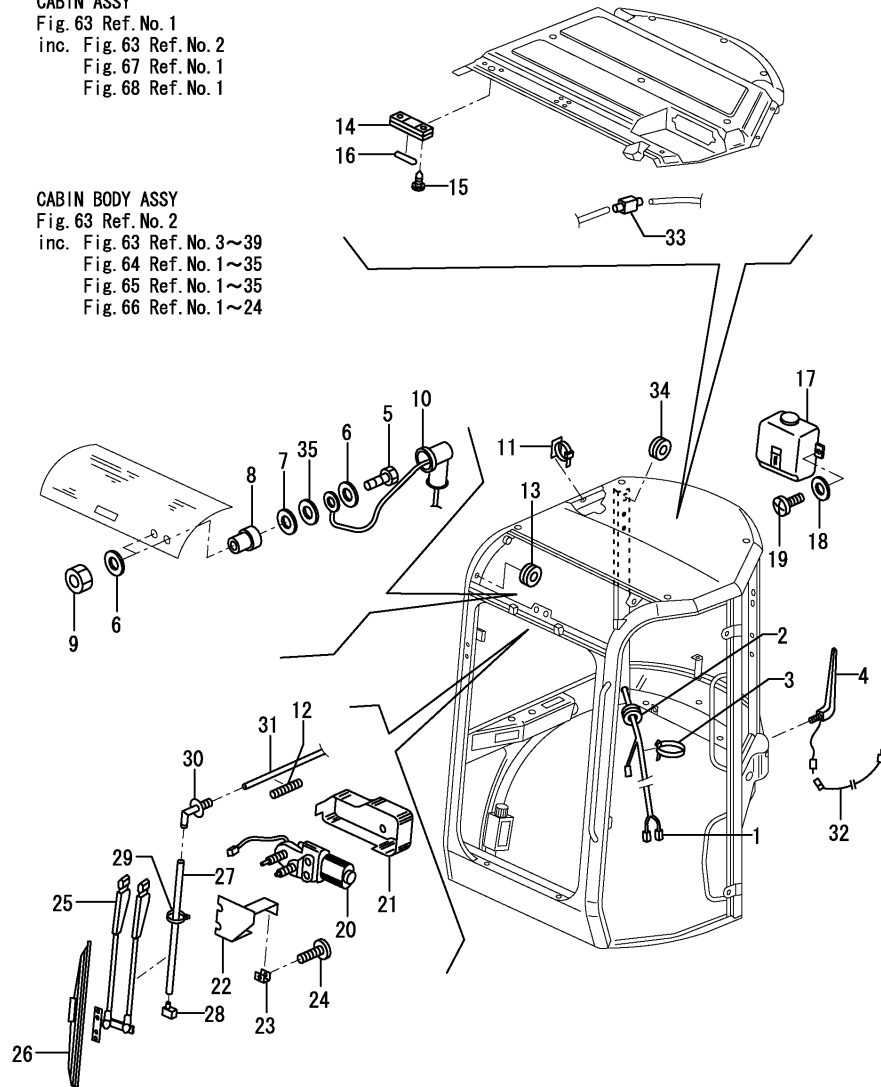
(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

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CABIN ASSY  
 Fig. 63 Ref. No. 1  
 inc. Fig. 63 Ref. No. 2  
 Fig. 67 Ref. No. 1  
 Fig. 68 Ref. No. 1

CABIN BODY ASSY  
 Fig. 63 Ref. No. 2  
 inc. Fig. 63 Ref. No. 3~39  
 Fig. 64 Ref. No. 1~35  
 Fig. 65 Ref. No. 1~35  
 Fig. 66 Ref. No. 1~24



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172472-68530	WIRE HARNESS CABIN	1							1
2	3	172456-68510	GROMMET	1							1
3	3	172472-68540	BAND	4							1
4	3	172A21-68950	ANTENNA	1							1
5	3	172456-68120	SCREW	2							1
6	3	172456-68130	WASHER, 7X16X3	4							1
7	3	172456-68150	WASHER, 6X18X1	2							1
8	3	172456-68160	NUT, SEAL M6	2							1
9	3	172456-68170	NUT, BRASS M6	2							1
10	3	172456-68110	CAP	2							1
11	3	172456-68520	CLAMP, CABLE	7							1
12	3	172472-68830	SPRING	1							1
13	3	172456-68530	GROMMET, 16X22X3	2							1
14	3	172456-68960	ROOM LAMP	1							1
15	3	172456-68650	SCREW, M3.5X12.7	2							1
16	3	172456-68970	LAMP	1							1
17	3	172437-68760	TANK, WASHER	1							1
18	3	172456-68150	WASHER, 6X18X1	2							1
19	3	172456-68590	SCREW, M6X12	2							1
20	3	172437-68540	WIPER MOTOR	1							1
21	3	172456-69200	COVER, MOTOR	1							1
22	3	172456-69170	SUPPORT, MOTOR	1							1
23	3	172456-69180	CLIP	2							1
24	3	172456-69190	SCREW, M5X12	2							1
25	3	172456-69210	ARM, WIPER	1							1
26	3	172456-69220	BLADE, WIPER	1							1
27	3	172472-68660	HOSE 600	1							1
28	3	172437-68520	NOZZLE, WASHER	1							1
29	3	172437-68400	CLAMP	2							1
30	3	172A21-68930	BEND UNION	1							1
31	3	172472-68670	HOSE 3500	1							1
32	3	172472-68730	WIRE ANTENNA	1							1
33	3	172437-68460	CHECK VALVE,WASHER	1							1
34	3	172A21-68970	GROMMET, 20X28X4	2							1
35	3	172456-68140	WASHER, 6	2							1

Remarks  
 (1)PARTS NO. ARE CHANGED, BUT BOTH PARTS ARE THE SAME.

Fig.66. TIM CABIN(HEATER & DUCT COVER)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

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CABIN ASSY

Fig. 63 Ref. No. 1

inc. Fig. 63 Ref. No. 2

Fig. 67 Ref. No. 1

Fig. 68 Ref. No. 1

CABIN BODY ASSY

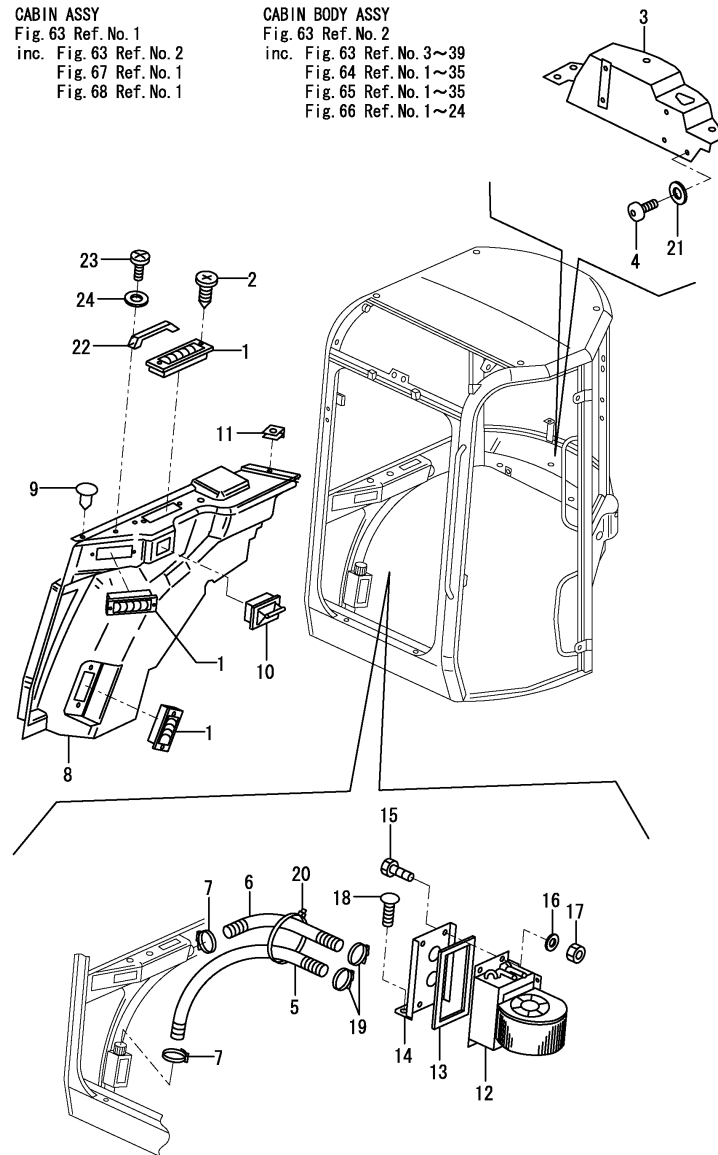
Fig. 63 Ref. No. 2

inc. Fig. 63 Ref. No. 3~39

Fig. 64 Ref. No. 1~35

Fig. 65 Ref. No. 1~35

Fig. 66 Ref. No. 1~24



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172472-68580	DEFROSTER	3							1
2	3	172A21-68910	SCREW, M3.9X19	6							1
3	3	172472-68610	COVER, HEATER	1							1
4	3	172456-68950	SCREW, M6X16	6							1
5	3	172472-68630	HOSE 1400 DEFROSTER	1							1
6	3	172472-68640	HOSE 700 DEFROSTER	1							1
7	3	172472-68650	CLAMP	2							1
8	3	172472-68680	COVER, DUCT	1							1
9	3	172472-68690	CLIP	10							1
10	3	172456-68620	ASHTRAY	1							1
11	3	172472-68720	CLIP	1							1
12	3	172472-68740	HEATER	1							1
13	3	172472-68750	SEAL, 720	1							1
14	3	172472-68760	SUPPORT, HEATER	1							1
15	3	172A21-69060	SCREW, M6X16	5							1
16	3	172456-68930	WASHER	5							1
17	3	172456-69900	NUT, M6	5							1
18	3	172456-68950	SCREW, M6X16	2							1
19	3	172472-68650	CLAMP	2							1
20	3	172472-68810	BAND	3							1
21	3	172472-68820	WASHER, 6.5X17X1	6							1
22	3	172437-68430	GRIP	1							1
23	3	172437-68210	SCREW, M5X20	2							1
24	3	172437-68440	WASHER 5.5X10X1	2							1

Remarks

(1)PARTS NO. ARE CHANGED, BUT BOTH PARTS ARE THE SAME.

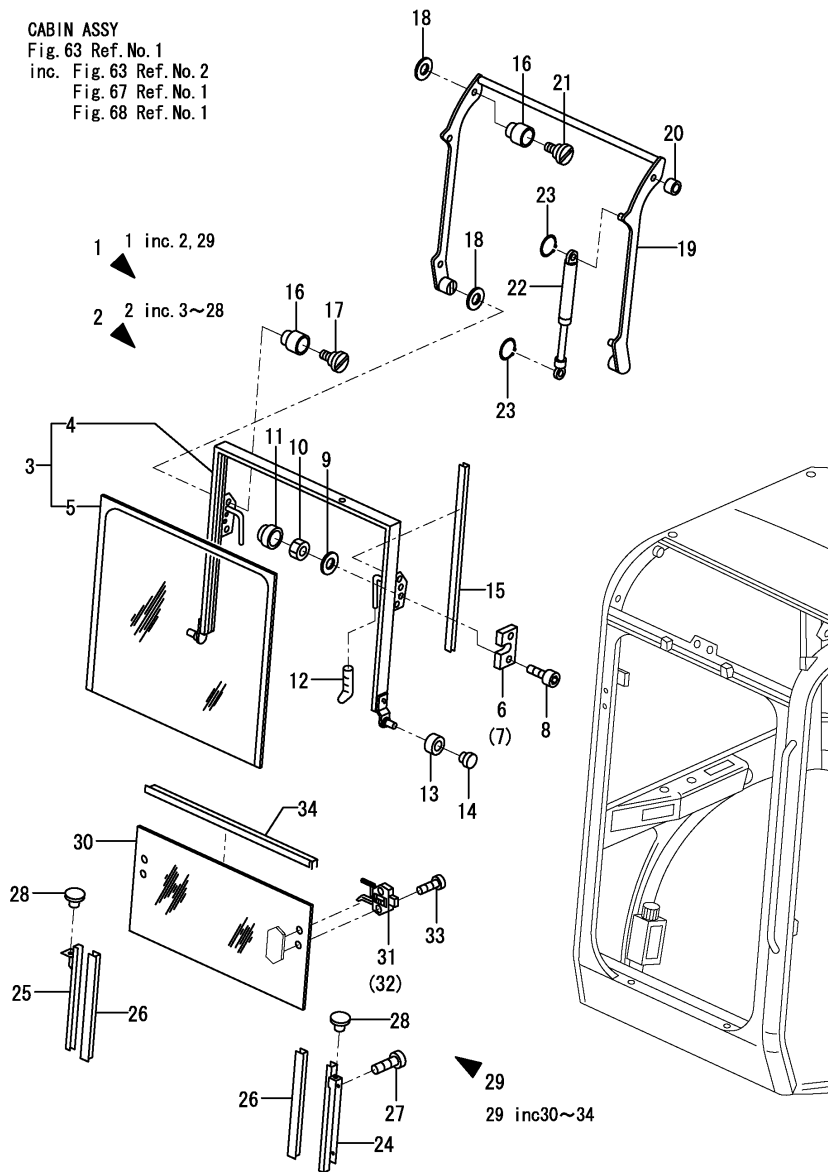
Fig.67. TIM CABIN(FRONT GLASS)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

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CABIN ASSY  
 Fig. 63 Ref. No. 1  
 inc. Fig. 63 Ref. No. 2  
 Fig. 67 Ref. No. 1  
 Fig. 68 Ref. No. 1



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172472-68420	GLASS ASSY	1							
2	3	172472-68850	GLASS ASSY	1							
3	4	172472-68860	GLASS ASSY	1							
4	4	172472-68870	FLAME FRONT GLASS	1							1
5	4	172472-68880	GLASS	1							1
6	4	172437-68690	LOCK L,UPPER WINDOW	1							
7	4	172437-68710	LOCK R,UPPER WINDOW	1							
8	4	172456-69840	SCREW, M8X40	4							
9	4	172456-69990	WASHER, 8	4							
10	4	172456-68100	NUT, M8	4							
11	4	172A21-69030	CAP, NUT M8	4							
12	4	172456-69380	GRIP	2							
13	4	172456-69390	BUSH, NYLON	2							
14	4	172456-69400	PLUG	1							
15	4	172456-69410	SEAL, 780	2							
16	4	172456-69420	SPACER, NYLON	3							
17	4	172456-68800	SCREW	2							
18	4	172456-68780	WASHER	4							
19	4	172472-68910	LINK	1							
20	4	172456-69430	WASHER, NYLON	1							
21	4	172456-68800	SCREW	2							
22	4	172456-69450	SPRING, GAS	2							
23	4	172456-69460	CIRCLIP	4							
24	4	172456-68080	GUIDE	1							
25	4	172456-68090	GUIDE	1							
26	4	172437-69080	SEAL, NYLON 440	2							
27	4	172456-68950	SCREW, M6X16	4							
28	4	172456-68550	STOPPER	2							
29	3	172472-68920	GLASS ASSY	1							
30	4	172472-68930	GLASS	1							
31	4	172456-69550	LOCK L, UNDER GLASS	1							
31-1	4	172456-69551	LOCK, L UNDER GLASS	1							N
(A=MXXXXX)											
32	4	172456-69560	LOCK R, UNDER GLASS	1							
32-1	4	172456-69561	LOCK, R UNDER GLASS	1							N
(A=MXXXXX)											
33	4	172456-69570	SCREW, M5X25	4							
34	4	172472-69240	SEAL, 790	1							

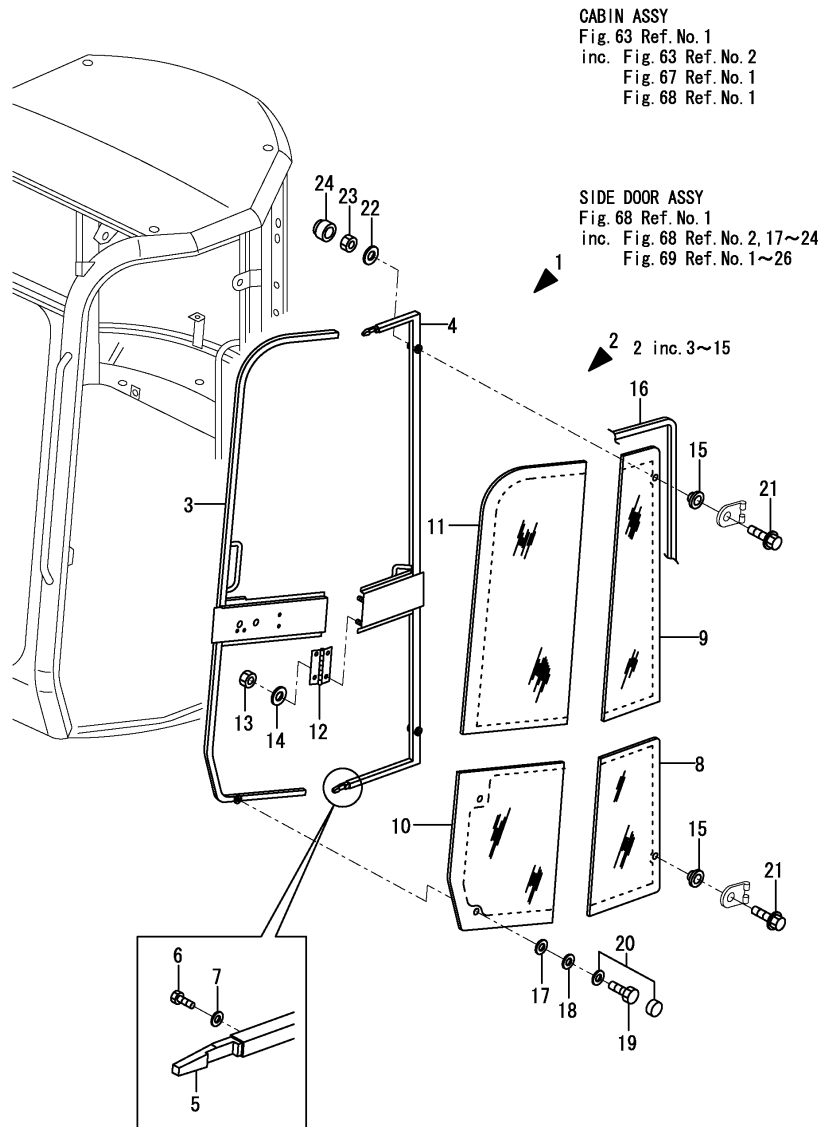
Remarks  
 (1)REF.NO.3 INCLUDE REF.NO.4,5.

Fig.68. TIM CABIN D00R(BODY)

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(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172472-68430	DOOR ASSY	1						1	
2	3	172472-68940	DOOR ASSY	1						1	
3	4	172472-68950	FRAME FRONT	1						1	
4	4	172472-68960	FRAME REAR	1						1	
5	4	172456-69660	BAR	2						1	
6	4	172456-69670	SCREW, M5X15	4						1	
7	4	172456-69680	WASHER	4						1	
8	4	172472-68970	GLASS	1						1	
9	4	172472-68980	GLASS	1						1	
10	4	172472-68990	GLASS	1						1	
11	4	172472-69100	GLASS	1						1	
12	4	172472-69110	HINGE	1						1	
13	4	172456-69900	NUT, M6	4						1	
14	4	172456-68930	WASHER	4						1	
15	4	172456-69690	SPACER, RUBBER	2						1	
16	3	172472-69250	SEAL, 4270	1						1	
17	3	172472-69140	SLEEVE, 9.5X50	1						1	
18	3	172472-69150	WASHER, 10.5X50X3	1						1	
19	3	172456-69250	SCREW, M10X16	1						1	
20	3	172456-69240	CAP, NUT	1						1	
21	3	172456-69920	BOLT BM12X60	2						1	
22	3	172456-69930	WASHER 12X22.5X2.5	2						1	
23	3	172456-69940	NUT, M12	2						1	
24	3	172456-69950	CAP, 12	2						1	

Remarks  
(1)PARTS NO. ARE CHANGED, BUT BOTH PARTS ARE THE SAME.

Fig.69. TIM CABIN DOOR(Accessory)

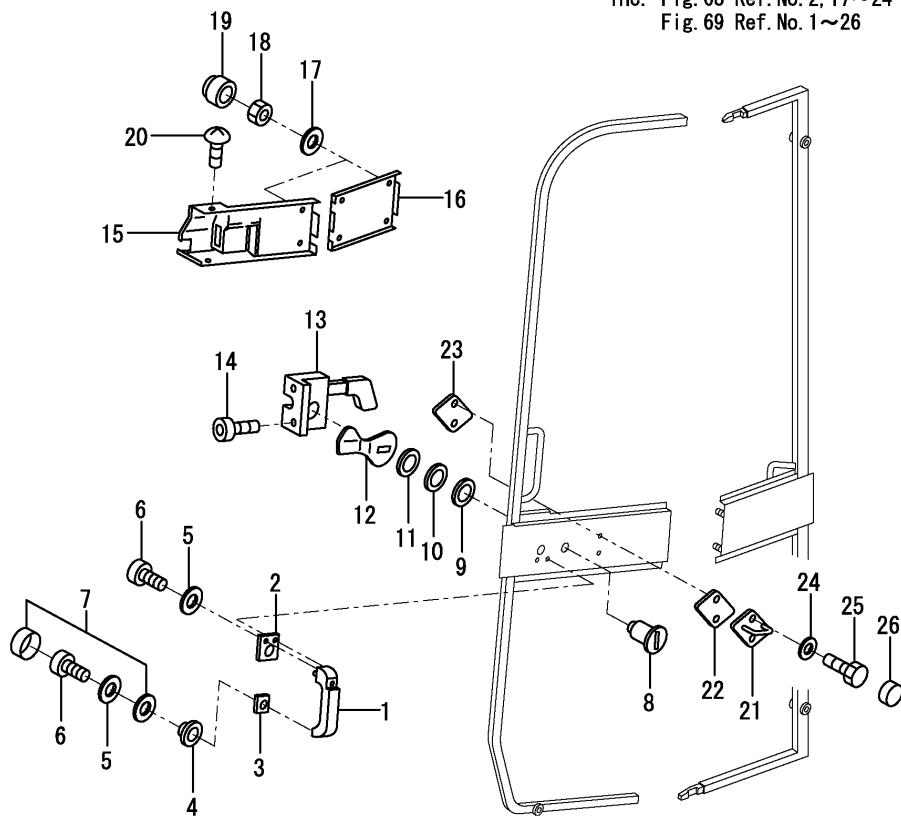
P/C NEWS No:Y00S4112-1  
PUBLISHED:Jun, 2005

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

CABIN ASSY  
Fig. 63 Ref. No. 1  
inc. Fig. 63 Ref. No. 2  
Fig. 67 Ref. No. 1  
Fig. 68 Ref. No. 1

SIDE DOOR ASSY  
Fig. 68 Ref. No. 1  
inc. Fig. 68 Ref. No. 2, 17~24  
Fig. 69 Ref. No. 1~26



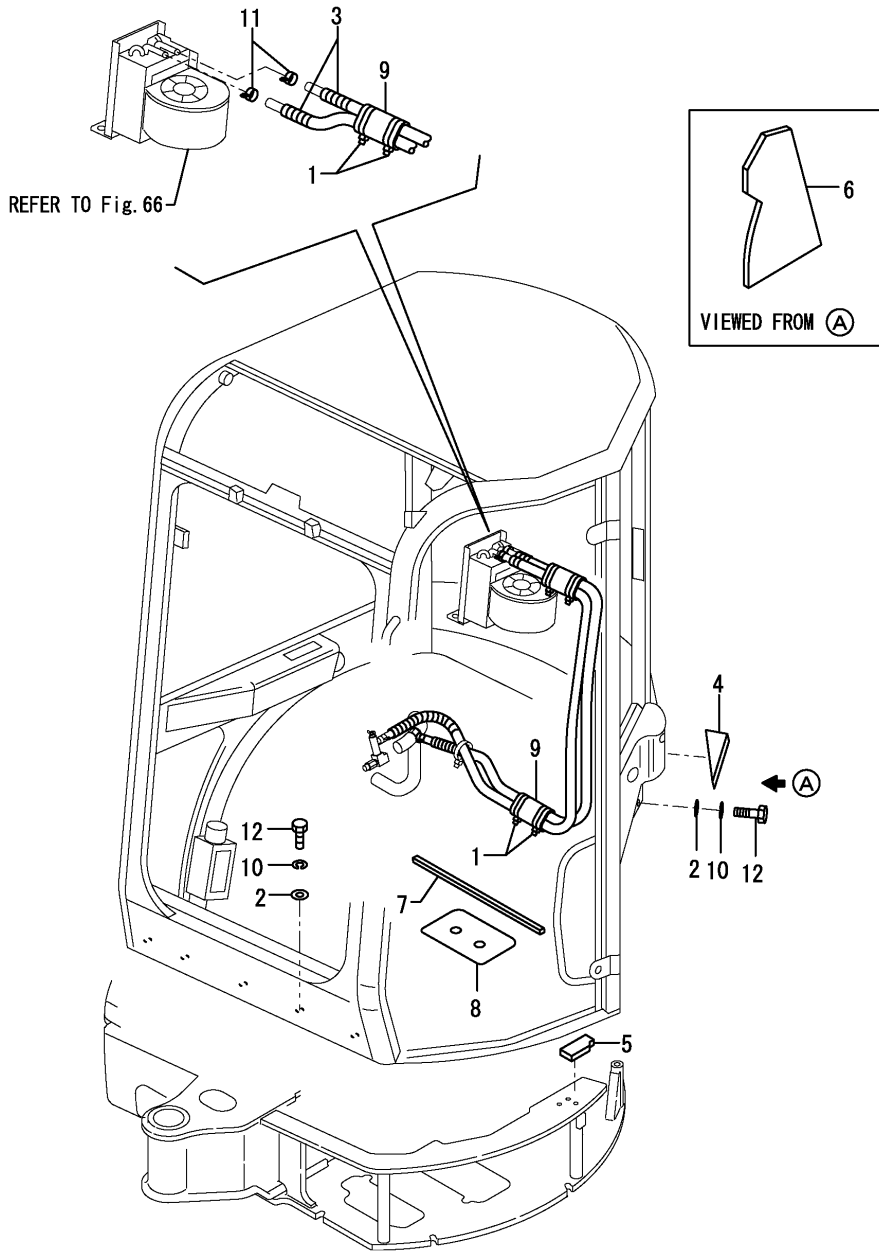
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	3	172456-69720	HANDLE, OUTER	1							1
2	3	172456-69730	SOLE, HANDLE	1							1
3	3	172456-69740	SOLE, HANDLE	1							1
4	3	172456-69750	SPACER, PLASTIC	1							1
5	3	172456-69760	WASHER, 8X19X1.5	3							1
6	3	172456-69770	SCREW, M6X20	3							1
7	3	172456-69240	CAP, NUT	1							1
8	3	172456-69780	LOCK, KEY	1							1
9	3	172456-69790	SPACER, BOLT	1							1
10	3	172456-69800	WASHER	1							1
11	3	172456-69810	BRACE, BOLT	1							1
12	3	172456-69820	LOCK, BOLT	1							1
13	3	172456-69830	LOCK ASSY	1							1
14	3	172456-69840	SCREW, M8X40	2							1
15	3	172472-69120	COVER	1							1
16	3	172472-69130	COVER	1							1
17	3	172456-68930	WASHER	6							1
18	3	172456-69900	NUT, M6	6							1
19	3	172456-69910	CAP, NUT M6	6							1
20	3	172456-68670	RIVET 3.2X8	2							1
21	3	172472-69160	CATCH	1							1
22	3	172472-69170	SPACER	1							1
23	3	172472-69180	MOUNT	1							1
24	3	172472-69190	WASHER, 8.4X16X1.6	2							1
25	3	172437-68250	BOLT M8X25	2							1
26	3	172A21-69030	CAP, NUT M8	2							1

Remarks  
(1)PARTS NO. ARE CHANGED, BUT BOTH PARTS ARE THE SAME.

Fig.70. TIM CABIN(PACKAGE)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	2							
2	1	172165-13220	WASHER	13							
3	1	172312-17650	TUBE, CORRUGATED	2							
4	1	172460-61960	SEAL	1							
5	1	172458-63350	SPONGE	1							
6	1	172458-63360	SHEET	1							
7	1	172458-63480	SEAL, SPONGE	1							
8	1	172458-63580	SPACER	1							
9	1	172458-63640	SPONGE, HOSE	2							
10	1	22217-120000	WASHER, SPRING 12	13							
11	1	23000-022000	CLAMP, 22	2							
12	1	26076-120402	BOLT, 10.912X 40	13							

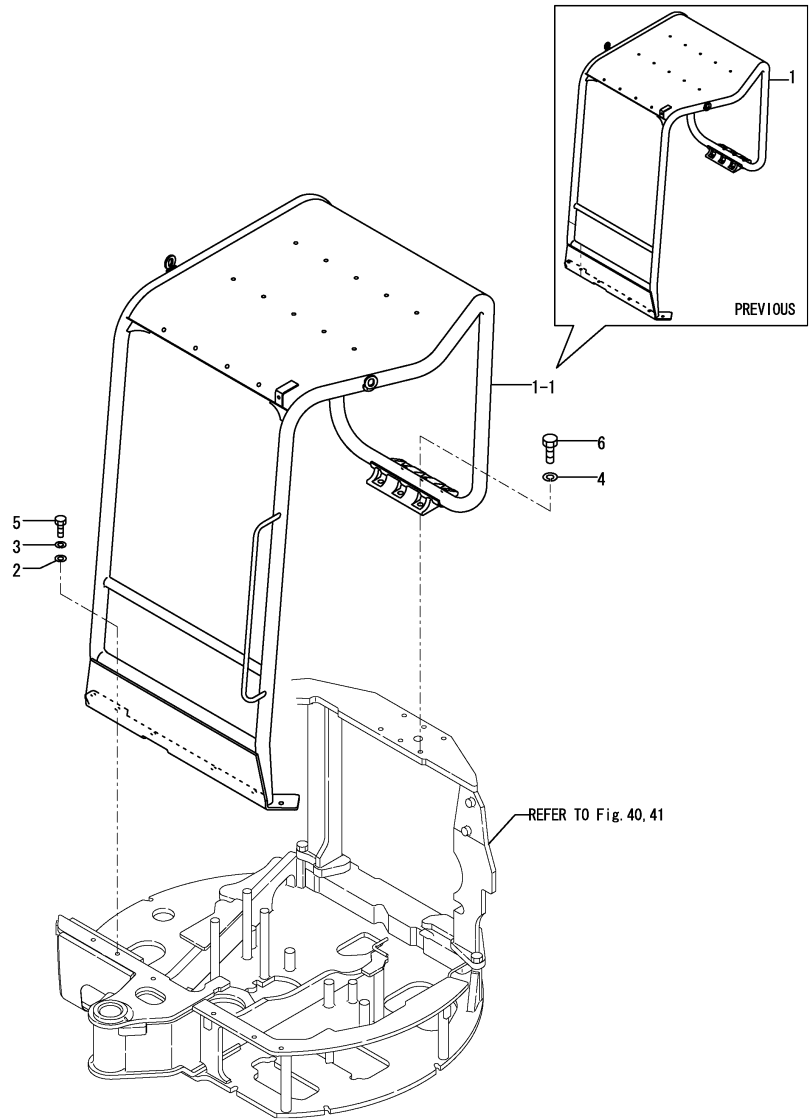
Remarks

\*USED EXCLUSIVELY FOR TIM CABIN SPEC.

Fig.71. CANOPY

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172472-66300	CANOPY ASSY, ROPS		1		1		1		1
1-1	1	172467-67100	CANOPY ASSY, ROPS		1						N 1
(B=M/#25501)											
2	1	172149-66550	WASHER		6		6		6		
3	1	22217-120000	WASHER, SPRING 12		6		6		6		
4	1	22217-160000	WASHER, SPRING 16		6		6		6		
5	1	26076-120402	BOLT, 10.912X 40		6		6		6		
6	1	26076-160402	BOLT, 10.916X 40		6		6		6		
7A	1	172472-03130	LABEL,LIFT US		1		1		1		2
7B	1	172147-03210	LABEL,2 SPEED		1						Z 2
(B=M/#25676)											
7C	1	172149-03430	LABEL		1						2
7C-1	1	172490-03200	LABEL		1		1		1		N 2
(B=M/#25532)											
7D	1	172437-03310	LABEL,SLOPE		1		1		1		2
7E	1	172437-03340	LABEL,TRANSPORT		1						2
7E-1	1	172437-03341	LABEL,TRANSPORT		1		1		1		R 2
(B=M/#21242)											
7F	1	172437-03371	LABEL		1		1		1		2
7G	1	172437-03440	LABEL,ROPS		1		1		1		2
7H	1	172437-03450	LABEL,SEAT BELT		1		1		1		2
7I	1	172437-03600	LABEL		1		1		1		2
7J	1	172472-03220	LABEL,LIFT		1						2
7J-1	1	172472-03221	LABEL, LIFT Q US		1		1		1		N 2
(B=M/#21064)											

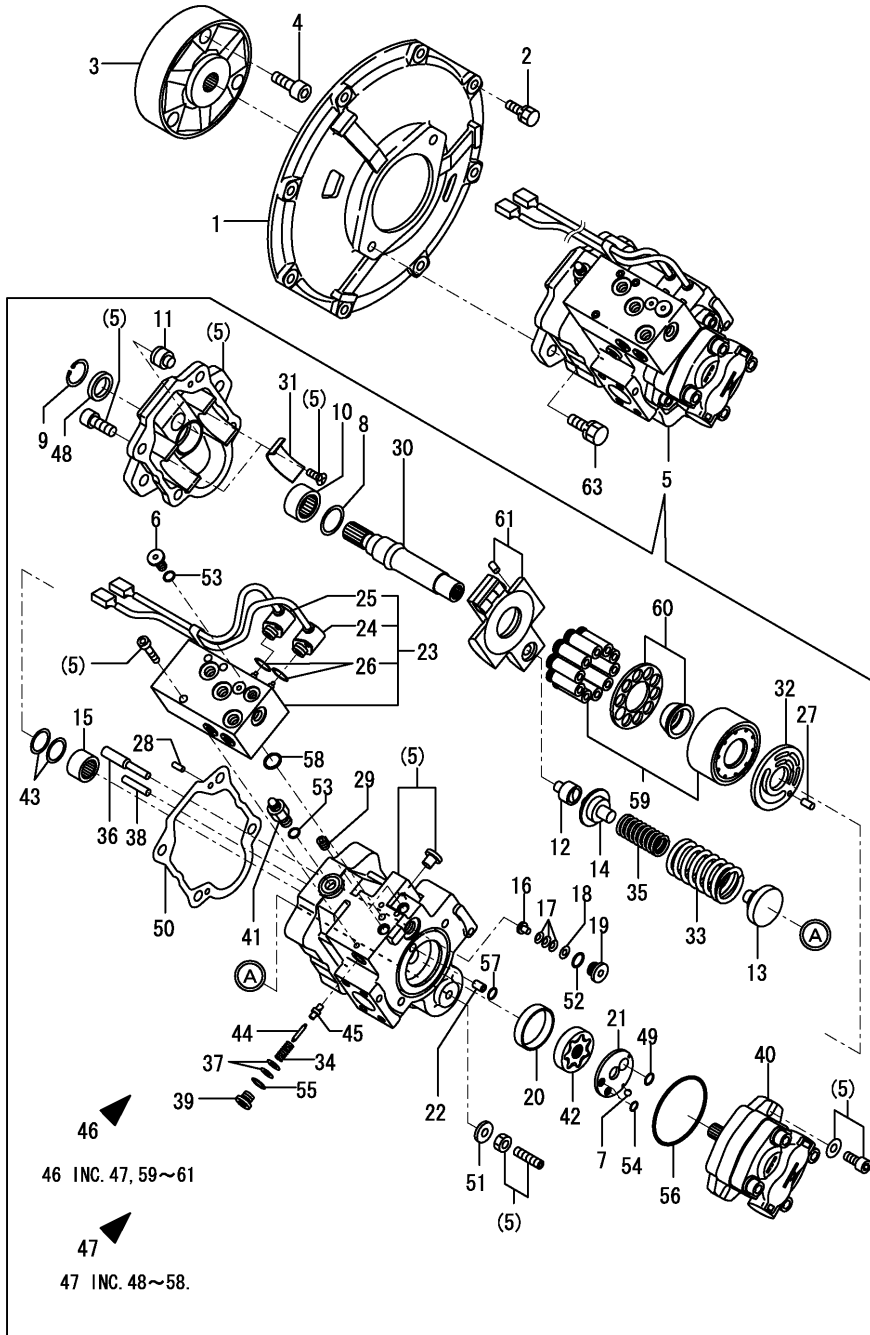
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 STANDARD SPEC:REF.NO.7A,7B,7C,7D, 7E,7F,7G,7H & 7I  
 QUICK COUPLER SPEC:REF.NO.7B,7C, 7D,7E,7F,7G,7H,7I & 7J  
 (2)LABELS ARE NOT ILLUSTRATED.



Fig.72. HYD.OIL PUMP & JOINT(STANDARD SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

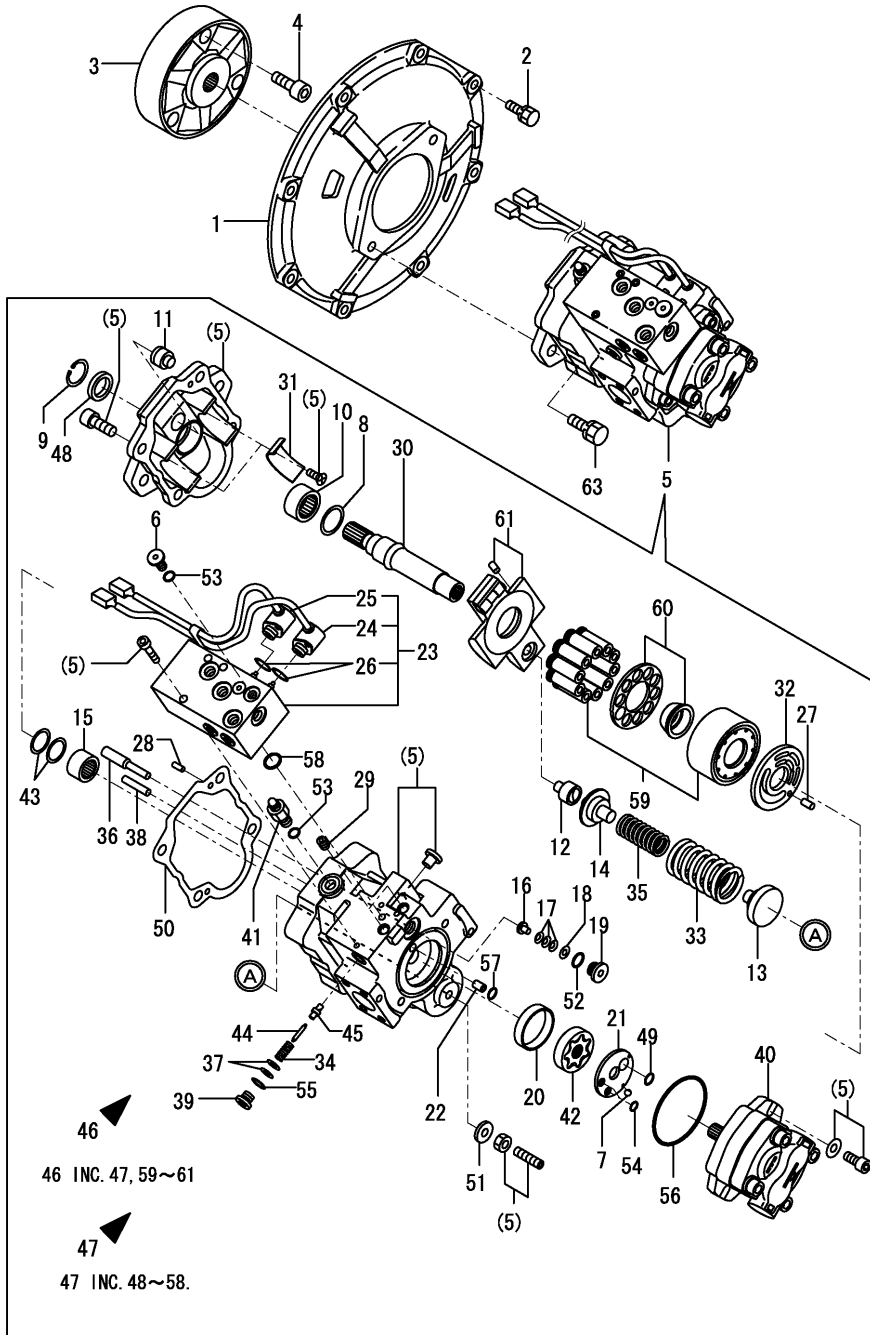


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-71101	COVER, FLYWHEEL	1	1						
2	1	26013-100302	BOLT, M10X 30	8	8						
3	1	172165-71200	COUPLING	1	1						
4	1	26450-120402	BOLT, M12X 40	3	3						
5	1	172457-73500	PUMP ASSY	1	1						
5-1	1	172457-73501	PUMP ASSY	1	1						N
		(A=M/#25815) (B=M/#25815)									
6	2	172148-70301	PLUG	2	2						
7	2	172122-70350	BALL	1	1						
8	2	172460-73160	WASHER	1	1						
9	2	172460-73180	RING	1	1						
10	2	172460-73200	BEARING	1	1						
11	2	172460-73220	STOPPER	1	1						
12	2	172460-73240	HOLDER	1	1						
13	2	172460-73270	SEAT, SPRING	1	1						
13-1	2	172461-73270	SEAT, SPRING	1	1						N
		(A=M/#25815) (B=M/#25815)									
14	2	172176-73290	SEAT, SPRING	1	1						
15	2	172460-73330	BEARING	1	1						
16	2	172460-73340	STOPPER	1	1						
17	2	172460-73350	SPRING, DISK	3	3						
18	2	172460-73360	WASHER	1	1						
19	2	172460-73370	PLUG	1	1						
20	2	172460-73380	BUSH	1	1						
21	2	172460-73390	PLATE	1	1						
22	2	172460-73420	PIN	1	1						
23	2	172460-73430	VALVE S/A	1	1						
24	3	172460-73900	SOLENOID B	1	1						W
		(A=M/#20501) (B=M/#20501)									
25	3	172460-73910	SOLENOID A	1	1						W
		(A=M/#20501) (B=M/#20501)									
26	3	24352-190110	O-RING, 219011	2	2						W
		(A=M/#20501) (B=M/#20501)									
27	2	172122-73480	PIN	1	1						
28	2	172122-73480	PIN	2	2						
29	2	172452-73480	PLUG	6	6						
30	2	172457-73510	SHAFT	1	1						
31	2	172457-73530	BUSHING	2	2						
32	2	172457-73540	VALVE PLATE	1	1						
33	2	172457-73550	SPRING	1	1						
34	2	172176-73560	SPRING	1	1						
35	2	172457-73560	SPRING	1	1						
36	2	172457-73580	PIN	1	1						
37	2	172176-73590	SHIM	2	2						
38	2	172457-73590	PIN	1	1						
39	2	172176-73600	PLUG	1	1						
40	2	172457-73600	GEAR PUMP	1	1						
41	2	172176-73690	BREEDER, AIR	1	1						
42	2	172176-73880	ROTOR ASSY,TROCHOID	1	1						
43	2	172176-73910	THRUST WASHER	2	2						
44	2	172176-73930	PIN	1	1						

Fig.72. HYD.OIL PUMP & JOINT(STANDARD SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

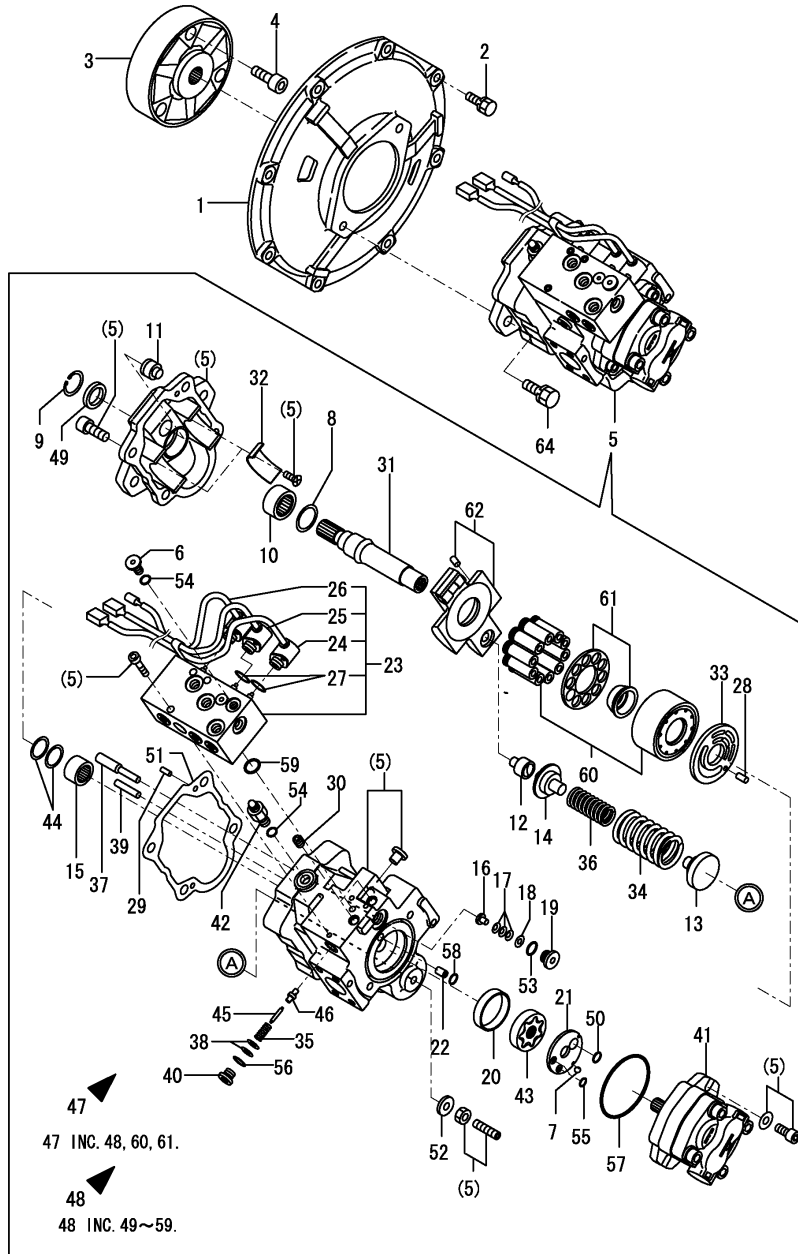


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
45	2	172176-73940	POPPET	1	1						
46	2	172457-73060	KIT,PUMP	1	1						
47	2	172457-73610	SEAL SET	1	1						
48	3	172460-73190	SEAL, OIL	1	1						
49	3	172460-73400	O-RING	1	1						
50	3	172457-73520	GASKET	1	1						
51	3	172457-73570	SEAL WASHER	1	1						
52	3	24315-000140	O-RING, 1BP14.0	1	1						
53	3	24315-000110	O-RING, 1BP11.0	3	3						
54	3	24315-000080	O-RING, 1BP8.0	2	2						
55	3	24315-000110	O-RING, 1BP11.0	1	1						
56	3	24321-000850	O-RING, 1AG85.0	1	1						
57	3	24315-000080	O-RING, 1BP8.0	1	1						
58	3	24315-000180	O-RING, 1BP18.0	2	2						
59	2	172457-73620	BLOCK KIT, CYLINDER	1	1						
60	2	172457-73630	RETAINER KIT	1	1						
61	2	172457-73640	SWASH PLATE S/A	1	1						
63	1	26013-120352	BOLT, M12X 35	2	2						

Fig.73. HYD.OIL PUMP & JOINT(QUIK COUPLER SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



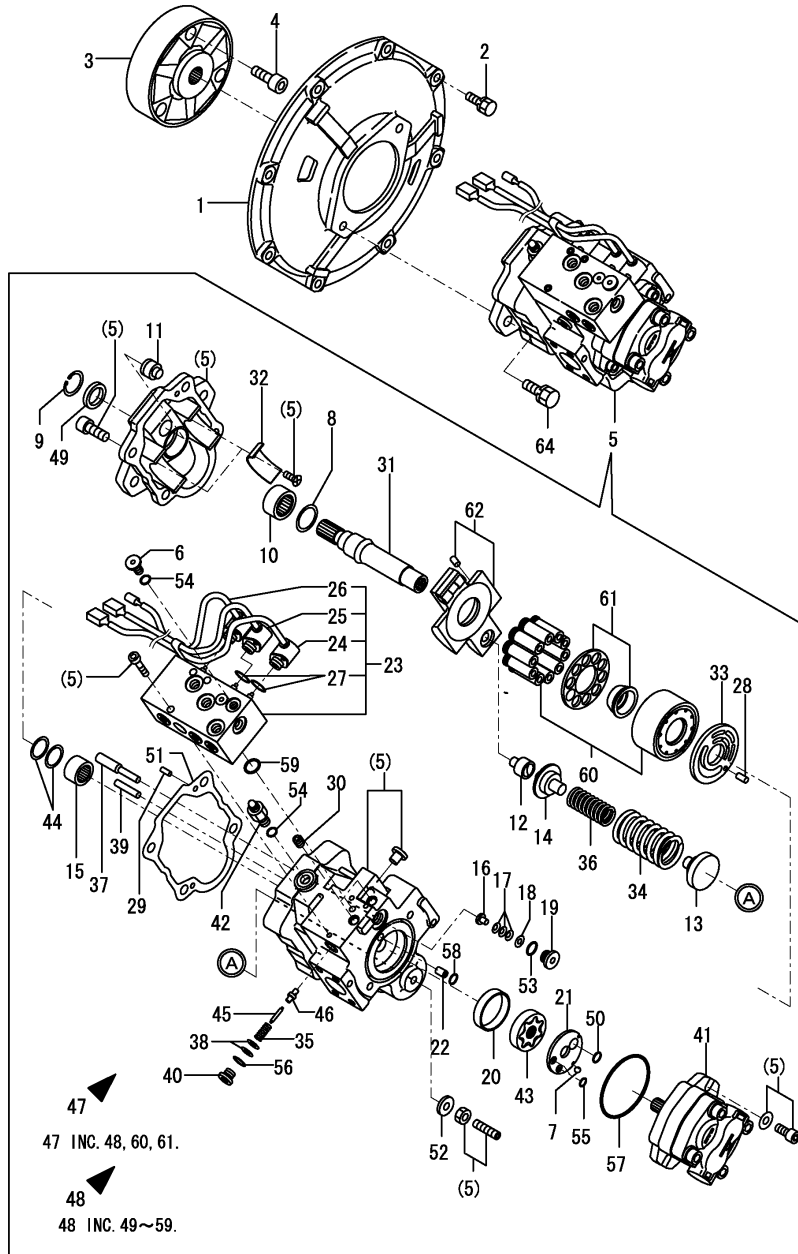
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-71101	COVER, FLYWHEEL	1	1	1	1	1	1		
2	1	26013-100302	BOLT, M10X 30	8	8	8	8	8	8		
3	1	172165-71200	COUPLING	1	1	1	1	1	1		
4	1	26450-120402	BOLT, M12X 40	3	3	3	3	3	3		
5	1	172957-73500	PUMP Q ASSY	1	1						
5-1	1	172957-73501	PUMP Q ASSY	1	1	1	1	1	1		N
		(A=M/#25815) (B=M/#25815)									
6	2	172148-70301	PLUG	2	2	2	2	2	2		
7	2	172122-70350	BALL	1	1	1	1	1	1		
8	2	172460-73160	WASHER	1	1	1	1	1	1		
9	2	172460-73180	RING	1	1	1	1	1	1		
10	2	172460-73200	BEARING	1	1	1	1	1	1		
11	2	172460-73220	STOPPER	1	1	1	1	1	1		
12	2	172460-73240	HOLDER	1	1	1	1	1	1		
13	2	172460-73270	SEAT, SPRING	1	1						
13-1	2	172461-73270	SEAT, SPRING	1	1	1	1	1	1		N
		(A=M/#25815) (B=M/#25815)									
14	2	172176-73290	SEAT, SPRING	1	1	1	1	1	1		
15	2	172460-73330	BEARING	1	1	1	1	1	1		
16	2	172460-73340	STOPPER	1	1	1	1	1	1		
17	2	172460-73350	SPRING, DISK	3	3	3	3	3	3		
18	2	172460-73360	WASHER	1	1	1	1	1	1		
19	2	172460-73370	PLUG	1	1	1	1	1	1		
20	2	172460-73380	BUSH	1	1	1	1	1	1		
21	2	172460-73390	PLATE	1	1	1	1	1	1		
22	2	172460-73420	PIN	1	1	1	1	1	1		
23	2	172960-73430	VALVE	1	1	1	1	1	1		
24	3	172460-73900	SOLENOID B	1	1	1	1	1	1		W
		(A=M/#20501) (B=M/#20501)									
25	3	172460-73910	SOLENOID A	1	1	1	1	1	1		W
		(A=M/#20501) (B=M/#20501)									
26	3	172460-73920	SOLENOID C	1	1	1	1	1	1		W
		(A=M/#20501) (B=M/#20501)									
27	3	24352-190110	O-RING, 219011	3	3	3	3	3	3		W
		(A=M/#20501) (B=M/#20501)									
28	2	172122-73480	PIN	1	1	1	1	1	1		
29	2	172122-73480	PIN	2	2	2	2	2	2		
30	2	172452-73480	PLUG	6	6	6	6	6	6		
31	2	172457-73510	SHAFT	1	1	1	1	1	1		
32	2	172457-73530	BUSHING	2	2	2	2	2	2		
33	2	172457-73540	VALVE PLATE	1	1	1	1	1	1		
34	2	172457-73550	SPRING	1	1	1	1	1	1		
35	2	172176-73560	SPRING	1	1	1	1	1	1		
36	2	172457-73560	SPRING	1	1	1	1	1	1		
37	2	172457-73580	PIN	1	1	1	1	1	1		
38	2	172176-73590	SHIM	2	2	2	2	2	2		
39	2	172457-73590	PIN	1	1	1	1	1	1		
40	2	172176-73600	PLUG	1	1	1	1	1	1		
41	2	172457-73600	GEAR PUMP	1	1	1	1	1	1		
42	2	172176-73690	BREEDER, AIR	1	1	1	1	1	1		
43	2	172176-73880	ROTOR ASSY,TROCHOID	1	1	1	1	1	1		

Remarks  
 (M)MISPRINT.

Fig.73. HYD.OIL PUMP & JOINT(QUIK COUPLER SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



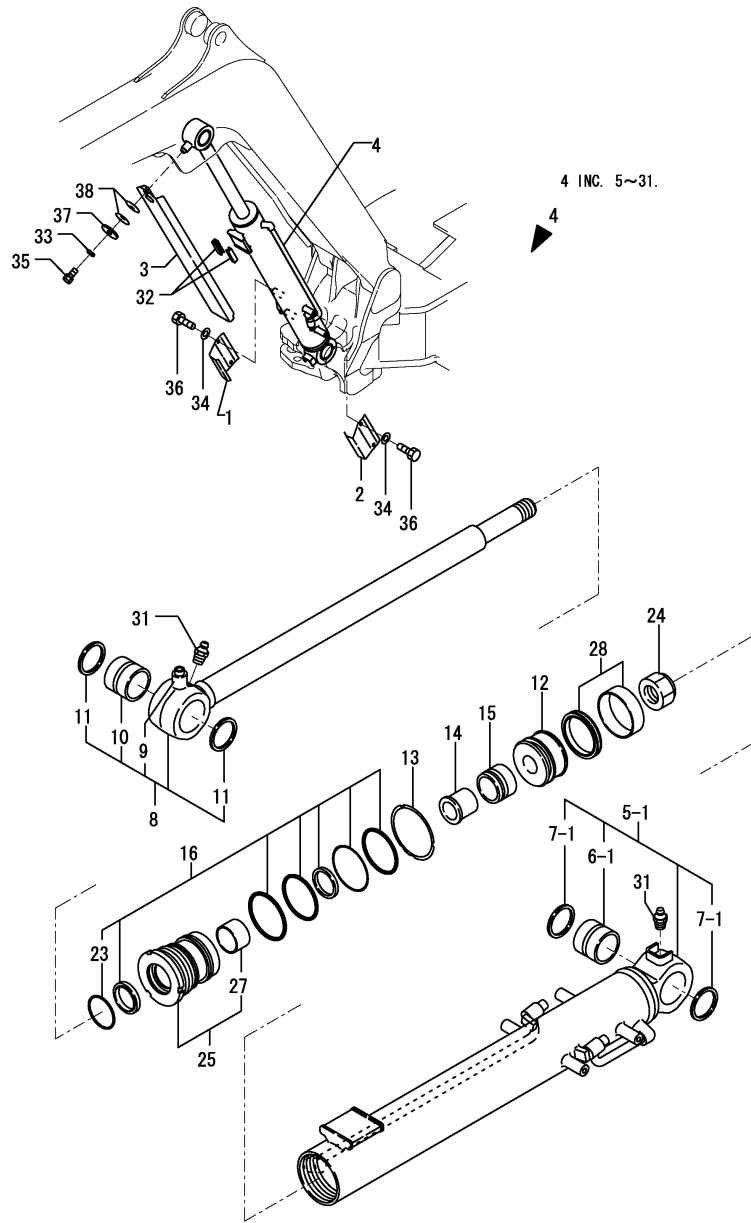
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
44	2	172176-73910	THRUST WASHER	2	2	2	2	2	2		
45	2	172176-73930	PIN	1	1	1	1	1	1		
46	2	172176-73940	POPPET	1	1	1	1	1	1		
47	2	172957-73060	KIT,PUMP Q	1	1	1	1	1	1		
48	2	172457-73610	SEAL SET	1	1						M
48-1	2	172957-73510	SEAL SET	1	1	1	1	1	1		
49	3	172460-73190	SEAL, OIL	1	1	1	1	1	1		
50	3	172460-73400	O-RING	1	1	1	1	1	1		
51	3	172457-73520	GASKET	1	1	1	1	1	1		
52	3	172457-73570	SEAL WASHER	1	1	1	1	1	1		
53	3	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
54	3	24315-000110	O-RING, 1BP11.0	3	3	3	3	3	3		
55	3	24315-000080	O-RING, 1BP8.0	2	2	2	2	2	2		
56	3	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
57	3	24321-000850	O-RING, 1AG85.0	1	1	1	1	1	1		
58	3	24315-000080	O-RING, 1BP8.0	1	1	1	1	1	1		
59	3	24315-000180	O-RING, 1BP18.0	2	2	2	2	2	2		
60	2	172457-73620	BLOCK KIT, CYLINDER	1	1	1	1	1	1		
61	2	172457-73630	RETAINER KIT	1	1	1	1	1	1		
62	2	172457-73640	SWASH PLATE S/A	1	1	1	1	1	1		
64	1	26013-120352	BOLT, M12X 35	2	2	2	2	2	2		

Remarks  
 (M)MISPRINT.

Fig.74. BOOM CYLINDER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



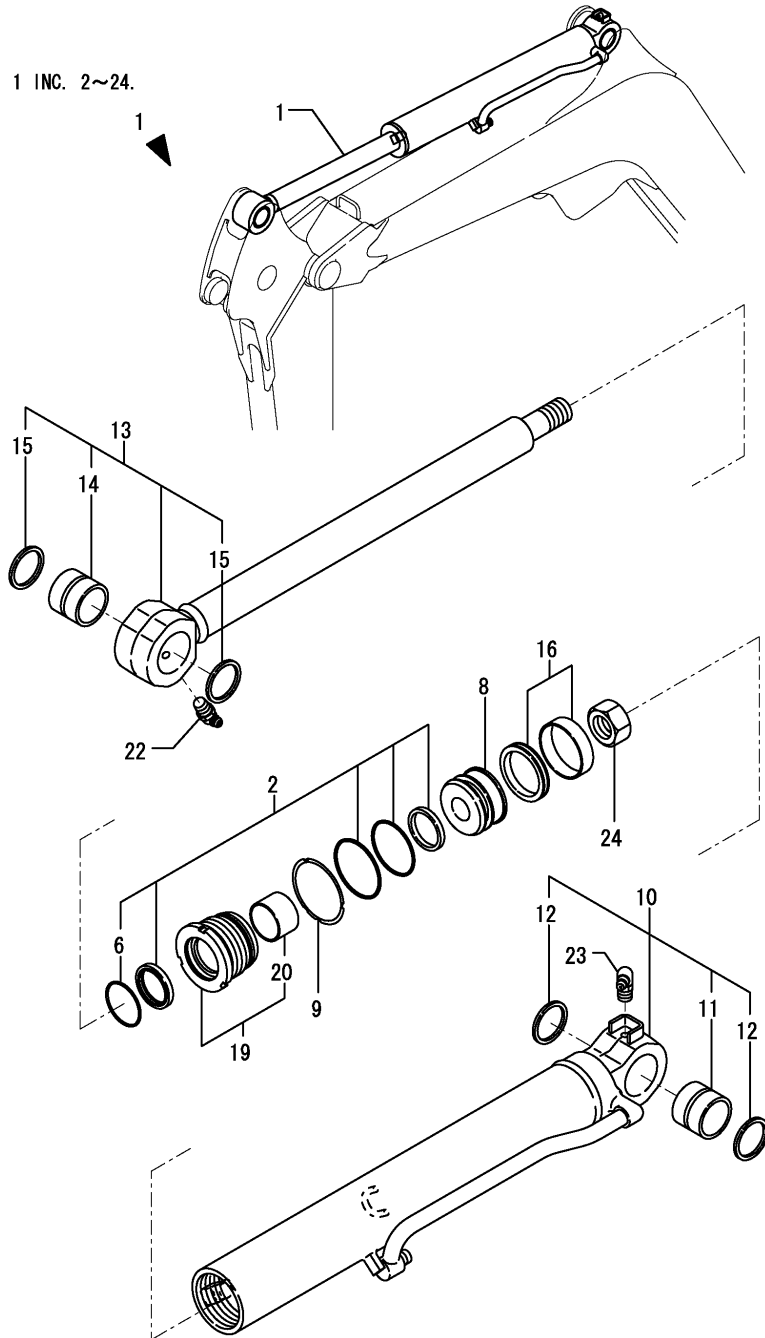
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-72230-1	COVER ASSY, CYLINDER	1	1	1	1	1	1		
2	1	172457-72240-1	COVER, CYLINDER	1	1	1	1	1	1		
3	1	172458-72270-1	COVER, SLIDE	1	1	1	1	1	1		
4	1	172457-72400-1	CYLINDER ASSY, BOOM	1	1	1	1	1	1		
5-1	2	172457-72250-1	TUBE ASSY, BOOM	1	1	1	1	1	1		
6-1	3	172458-72130	BUSH	1	1	1	1	1	1		
7-1	3	172448-54120	SEAL, DUST	2	2	2	2	2	2		
8	2	172457-72140	ROD,BOOM	1	1	1	1	1	1		
9	3	172165-72161	NUT	1	1	1	1	1	1	1	W 1
(A=M/#20501) (B=M/#20501)											
10	3	172168-72400	BUSH 45X55X40	1	1	1	1	1	1		
11	3	172168-81410	SEAL, DUST	2	2	2	2	2	2		
12	2	172457-72180	PISTON	1	1	1	1	1	1		
13	2	172141-72190	WASHER, LOCK	1	1	1	1	1	1		
14	2	172457-72190	COLLAR, 27 38	1	1	1	1	1	1		
15	2	172457-72200	PLUNGER 50,CUSHON	1	1	1	1	1	1		
16	2	172457-72221	SEAL SET, HEAD	1	1	1	1	1	1		
23	3	933111-26600	RING, SPRING	1	1	1	1	1	1		
24	2	172141-72250	NUT	1	1	1	1	1	1		
25	2	172457-72410	HEAD 75 40	1	1						
25-1	2	172457-72411	HEAD 75 40	1	1	1	1	1	1		R
(A=M/#21014) (B=M/#21014)											
27	3	933135-14600	BUSH 40 30, ROD	1	1						
27-1	3	24550-040300	BUSH, 40X30	1	1	1	1	1	1		R
(A=M/#21014) (B=M/#21014)											
28	2	172444-72960	SEAL SET, 75 40	1	1						
28-1	2	172444-72961	SEAL SET, 75 40	1	1	1	1	1	1		N
(A=M/#21180) (B=M/#21180)											
31	2	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2	2		
32	1	172186-72480	GUIDE, SLIDE	2	2	2	2	2	2		
33	1	22217-100000	WASHER, SPRING 10	1	1	1	1	1	1		
34	1	22217-100000	WASHER, SPRING 10	4	4	4	4	4	4		
35	1	26116-100162	BOLT, M10X 16 PLATED	1	1	1	1	1	1		
36	1	26116-100162	BOLT, M10X 16 PLATED	4	4	4	4	4	4		
37	1	933147-03400	WASHER, BRAKE ARM	1	1	1	1	1	1		
38	1	933168-14170	SPRING	2	2	2	2	2	2		

Remarks  
 (1)WELDED PART.

Fig.75. ARM CYLINDER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

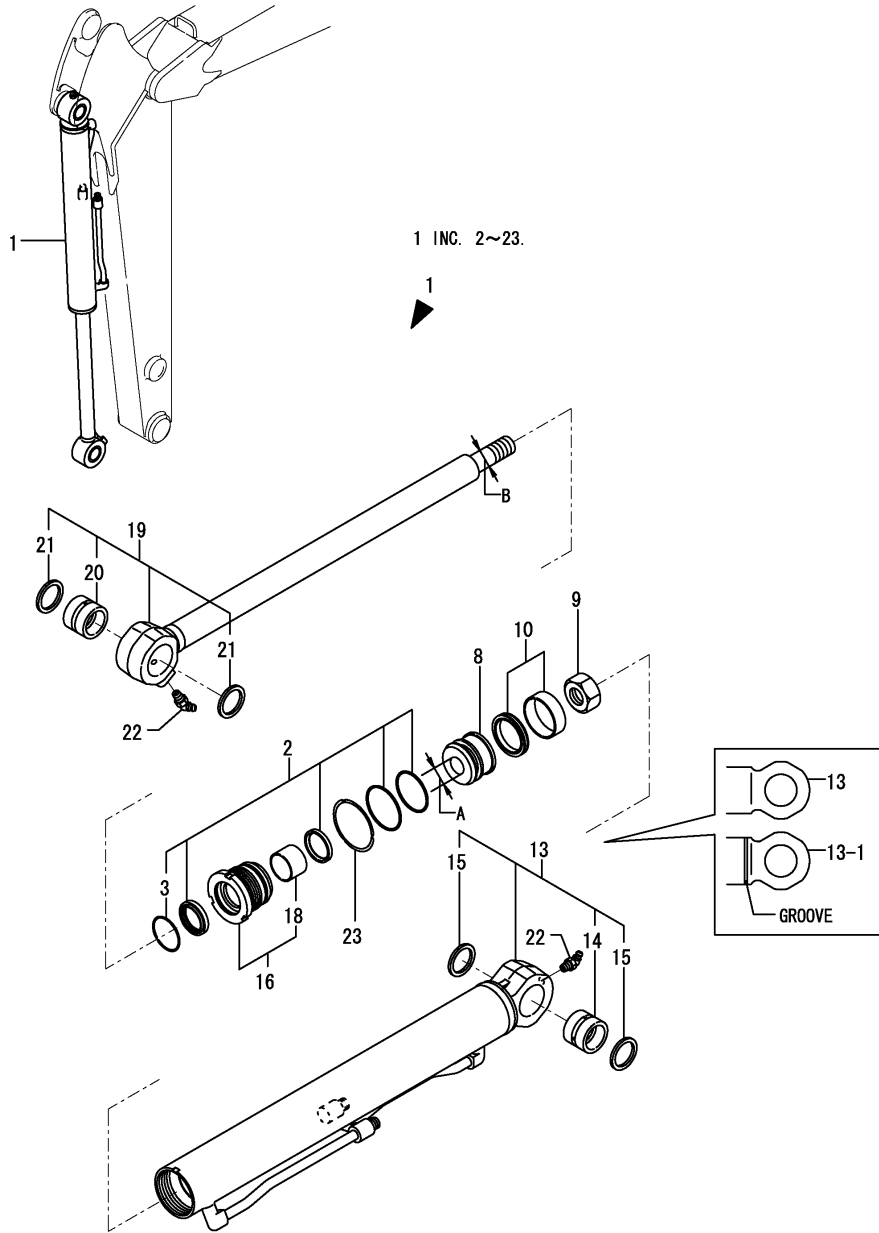


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-72300-1	CYLINDER ASSY, ARM	1	1	1	1	1	1		
2	2	172457-72010	SEAL SET, HEAD	1	1	1	1	1	1		
6	3	933125-94500	RING 60, SPRING	1	1	1	1	1	1		
8	2	172148-72050	PISTON 75	1	1	1	1	1	1		
9	2	172141-72190	WASHER 75	1	1	1	1	1	1		
10	2	172457-72310-1	TUBE, ARM	1	1	1	1	1	1		
11	3	172168-72410	BUSH 40X50X40	1	1	1	1	1	1		
12	3	172165-81750	SEAL, DUST 40X50X5	2	2						
12-1	3	172448-72650	SEAL, DUST	2	2	2	2	2	2		R
		(A=M/#21117) (B=M/#21117)									
13	2	172457-72330	ROD, ARM	1	1	1	1	1	1		
14	3	172168-72410	BUSH 40X50X40	1	1	1	1	1	1		
15	3	172165-81750	SEAL, DUST 40X50X5	2	2						
15-1	3	172448-72650	SEAL, DUST	2	2	2	2	2	2		R
		(A=M/#21117) (B=M/#21117)									
16	2	172164-72350	SEAL SET, PISTON	1	1						
16-1	2	172444-72961	SEAL SET, 75 40	1	1	1	1	1	1		N
		(A=M/#21180) (B=M/#21180)									
19	2	172148-72390	HEAD 75 45	1	1	1	1	1	1		
20	3	194300-24130	BUSH 45X50X30	1	1						
20-1	3	24550-045300	BUSH, 45X30	1	1	1	1	1	1		R
		(A=M/#21014) (B=M/#21014)									
22	2	24761-040000	NIPPLE, GREASE B	1	1	1	1	1	1		
23	2	24761-050000	NIPPLE, GREASE C	1	1	1	1	1	1		
24	2	933111-20200	NUT	1	1	1	1	1	1		

Fig.76. BUCKET CYLINDER(STANDARD SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-72500-1	CYLINDER ASSY	1	1						
1-1	1	172457-72501-1	CYLINDER ASSY	1	1						N
		(A=M/#25585) (B=M/#25585)									
2	2	172457-72050	SEAL SET, HEAD	1	1						
3	3	172141-73090	RING 50, SPRING	1	1						
8	2	172171-72120	PISTON	1	1						
8-1	2	172457-72580	PISTON 60	1	1						S 1
		(A=M/#25585) (B=M/#25585)									
9	2	172171-72130	NUT, M24	1	1						
9-1	2	172141-72250	NUT	1	1						S
		(A=M/#25585) (B=M/#25585)									
10	2	172137-72452	SEAL SET, PISTON 60A	1	1						
10-1	2	172137-72453	SEAL SET, PISTON 60A	1	1						N
		(A=M/#21180) (B=M/#21180)									
13	2	172457-72510-1	TUBE, BUCKET	1	1						
13-1	2	172457-72511-1	TUBE, BUCKET	1	1						S
		(A=M/#25585) (B=M/#25585)									
14	3	172168-72240	BUSH 38X50X40	1	1						
15	3	172168-81270	SEAL, DUST	2	2						
16	2	172141-72540	HEAD 6035, CYLINDER	1	1						
18	3	933111-01600	BUSH 35 30, ROD	1	1						
18-1	3	24550-035300	BUSH, 35X30	1	1						R
		(A=M/#21014) (B=M/#21014)									
19	2	172457-72540	ROD, BUCKET	1	1						
19-1	2	172457-72541	ROD ASSY, BUCKET	1	1						S 2
		(A=M/#25585) (B=M/#25585)									
20	3	172168-72240	BUSH 38X50X40	1	1						
21	3	172168-81270	SEAL, DUST	2	2						
22	2	24761-040000	NIPPLE, GREASE B	2	2						
23	2	933125-59600	WASHER 60 B, LOCK	1	1						

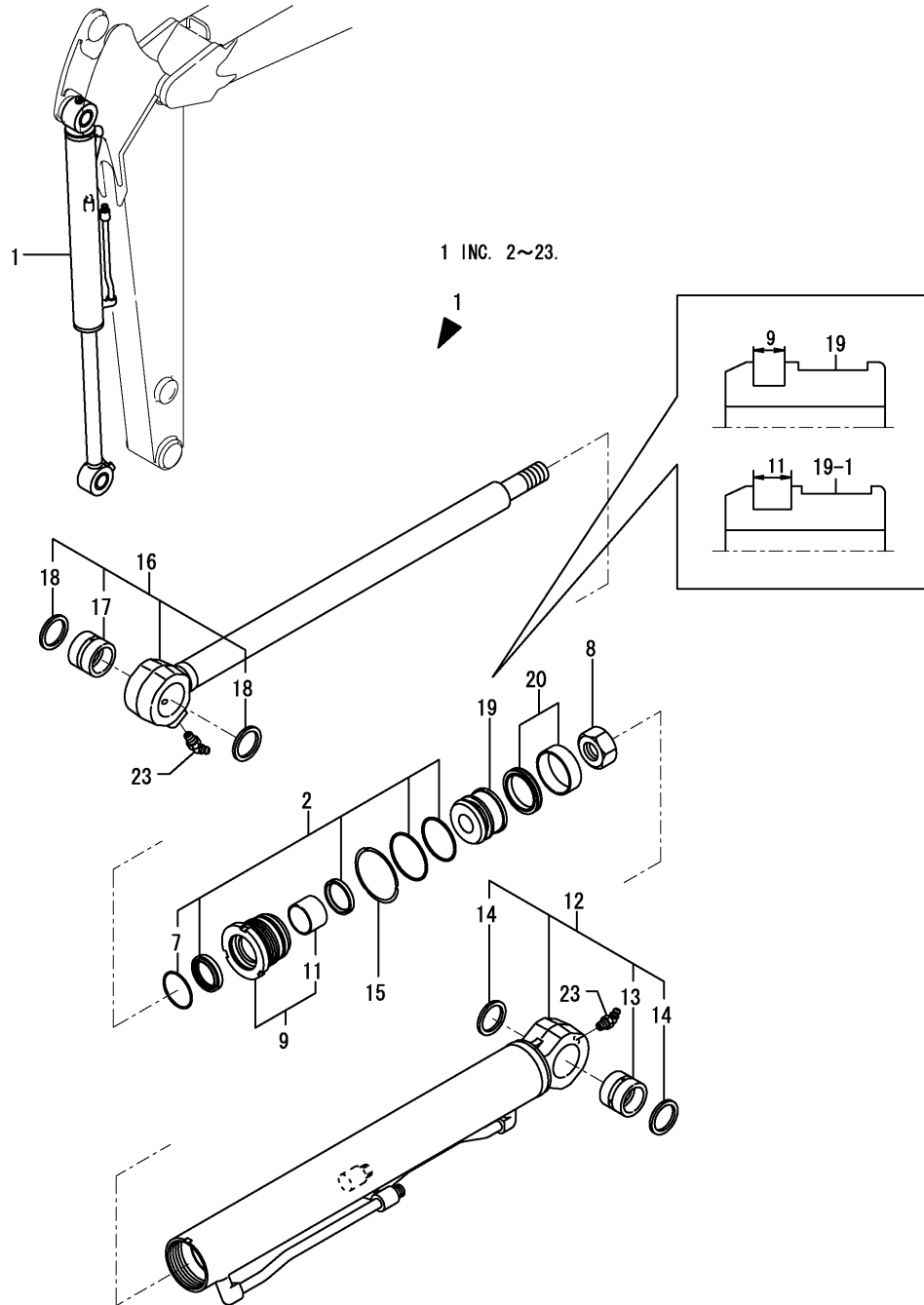
Remarks

- (1)A=REF.NO.8:24MM,NO.8-1:27MM
- (1)B=REF.NO.19:24MM,NO.19-1:27MM

Fig.77. BUCKET CYLINDER(QUICK COUPLER SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



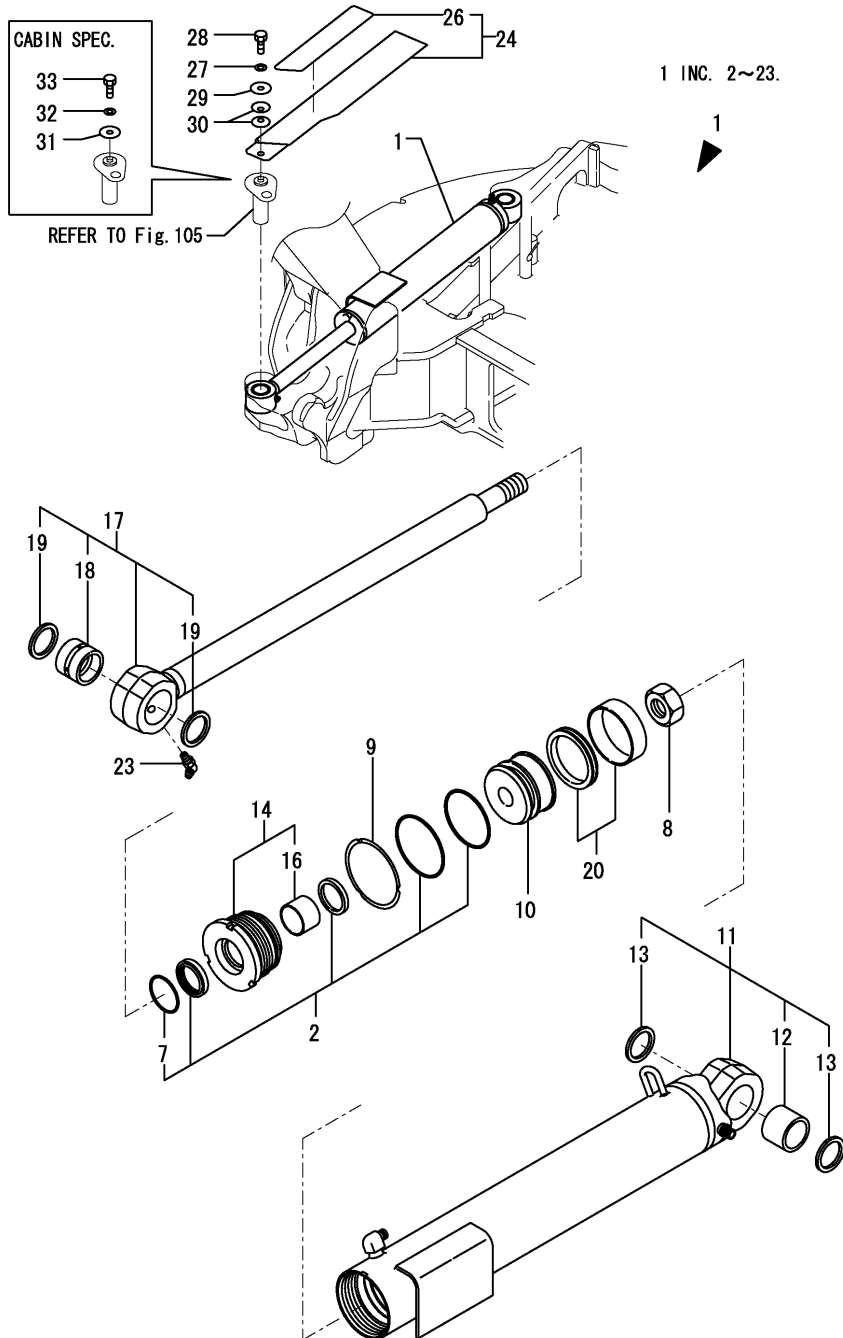
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172458-72500-1	CYLINDER ASSY	1	1	1	1	1	1		
2	2	172458-72030	SEAL SET, HEAD	1	1	1	1	1	1		
7	3	933111-26600	RING 55, SPRING	1	1	1	1	1	1		
8	2	172141-72250	NUT	1	1	1	1	1	1		
9	2	172142-72510	HEAD 65 40 W/BUSH	1	1	1	1	1	1		
11	3	933135-14600	BUSH 40 30, ROD	1	1						
11-1	3	24550-040300	BUSH, 40X30	1	1	1	1	1	1		R
		(A=M/#21014) (B=M/#21014)									
12	2	172458-72510-1	TUBE, BUCKET	1	1	1	1	1	1		
13	3	172168-72240	BUSH 38X50X40	1	1	1	1	1	1		
14	3	172168-81270	SEAL, DUST	2	2	2	2	2	2		
15	2	172142-72560	WASHER 65, LOCK	1	1	1	1	1	1		
16	2	172458-72570	ROD,BUCKET	1	1	1	1	1	1		
17	3	172168-72240	BUSH 38X50X40	1	1	1	1	1	1		
18	3	172168-81270	SEAL, DUST	2	2	2	2	2	2		
19	2	172148-72790	PISTON 65	1	1						
19-1	2	172148-72791	PISTON 65 27	1	1	1	1	1	1		S
		(A=M/#21180) (B=M/#21180)									
20	2	172148-72940	SEAL SET, PISTON	1	1						
20-1	2	172148-72941	SEAL SET, PISTON	1	1	1	1	1	1		S
		(A=M/#21180) (B=M/#21180)									
23	2	24761-040000	NIPPLE, GREASE B	2	2	2	2	2	2		



Fig.78. SWING CYLINDER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

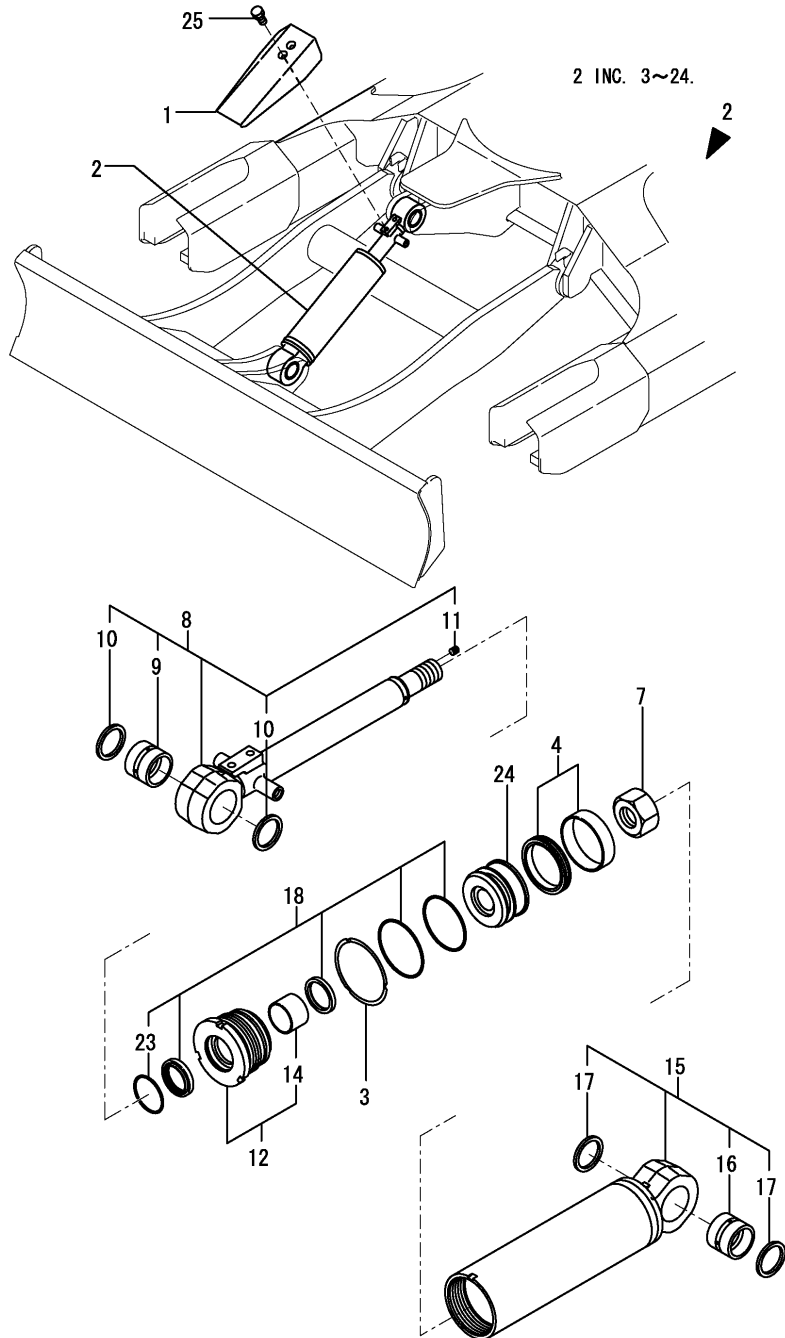


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-72700-1	CYLINDER ASSY, SWING	1	1	1	1	1	1		
2	2	172458-72050	SEAL SET, HEAD	1	1	1	1	1	1		
7	3	933111-26600	RING 55, SPRING	1	1	1	1	1	1		
8	2	172141-72250	NUT	1	1	1	1	1	1		
9	2	172142-72260	WASHER 80 B	1	1	1	1	1	1		
10	2	172175-72480	PISTON 80	1	1	1	1	1	1		
11	2	172457-72710-1	TUBE ASSY, SWING	1	1	1	1	1	1		
12	3	172458-72740	BUSH 40X40,SO	1	1	1	1	1	1		
13	3	172165-81750	SEAL, DUST 40X50X5	2	2						
13-1	3	172448-72650	SEAL, DUST	2	2	2	2	2	2		R
		(A=M/#21117) (B=M/#21117)									
14	2	172422-72760	HEAD	1	1	1	1	1	1		
16	3	933135-14600	BUSH 40 30, ROD	1	1						
16-1	3	24550-040300	BUSH, 40X30	1	1	1	1	1	1		R
		(A=M/#21014) (B=M/#21014)									
17	2	172458-72770	ROD ASSY, SWING	1	1	1	1	1	1		
18	3	172165-72310	BUSH 40X40	1	1	1	1	1	1		
19	3	172165-81750	SEAL, DUST 40X50X5	2	2						
19-1	3	172448-72650	SEAL, DUST	2	2	2	2	2	2		R
		(A=M/#21117) (B=M/#21117)									
20	2	172142-72950	SEAL SET, PISTON	1	1	1	1	1	1		
23	2	24761-050000	NIPPLE, GREASE C	1	1	1	1	1	1		
24	1	172458-72860-1	COVER, SWING			1					
26	2	172458-72850	SHEET, SWING			1		1			
27	1	22217-100000	WASHER, SPRING 10		1			1			
28	1	26116-100162	BOLT, M10X 16 PLATED		1			1			
29	1	933147-03400	WASHER, BRAKE ARM		1			1			
30	1	933168-14170	SPRING		2			2			
31	1	22157-100000	WASHER, 10	1		1			1		
32	1	22217-100000	WASHER, SPRING 10	1		1			1		
33	1	26116-100162	BOLT, M10X 16 PLATED	1		1			1		

Fig.79. BLADE CYLINDER

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

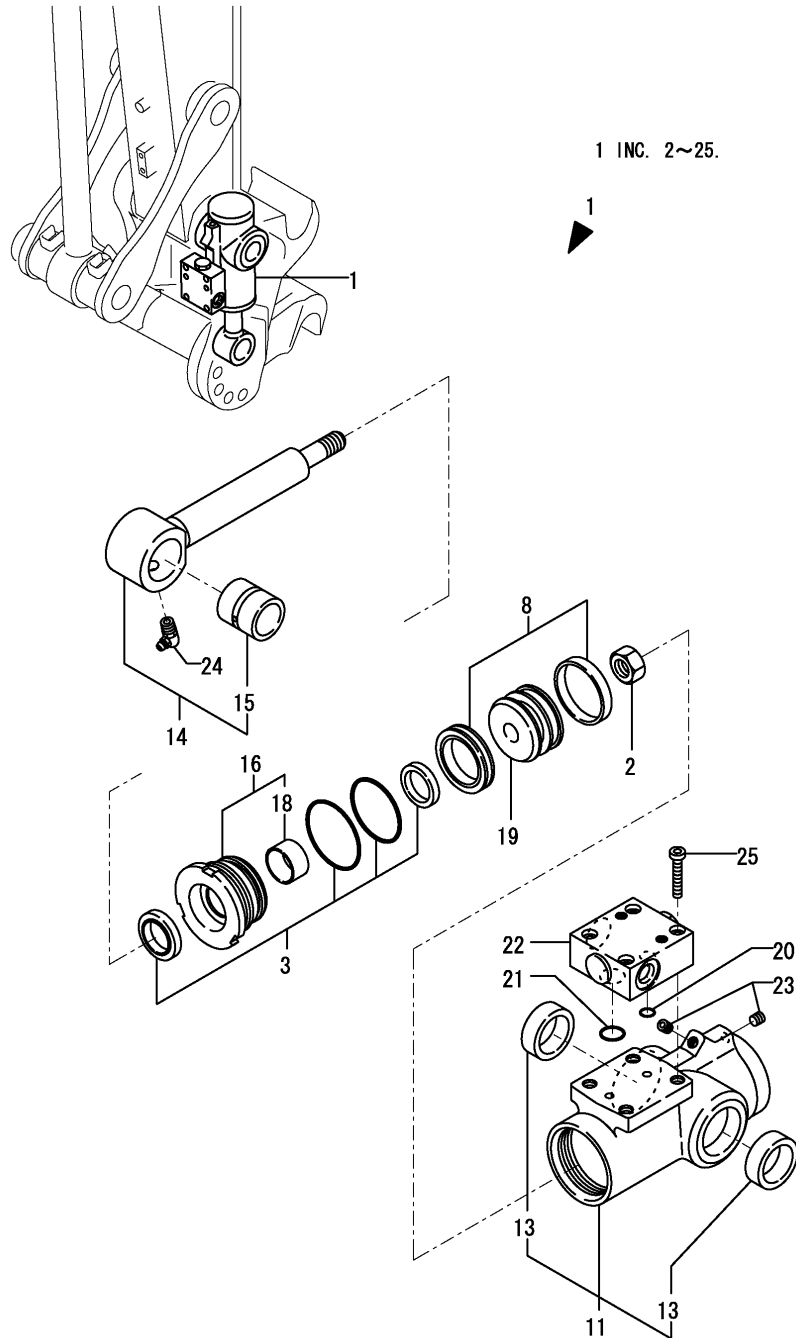


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172422-72790-3	COVER, BLADE	1	1	1	1	1	1		
2	1	172457-72900-1	CYLINDER, BLADE	1	1	1	1	1	1		
3	2	172141-72190	WASHER 75	1	1	1	1	1	1		
4	2	172164-72350	SEAL SET, PISTON	1	1						
4-1	2	172444-72961	SEAL SET, 75 40	1	1	1	1	1	1	N	
		(A=M/#21180) (B=M/#21180)									
7	2	172175-72550	NUT	1	1	1	1	1	1		
8	2	172458-72650	ROD ASSY,BLADE	1	1	1	1	1	1		
9	3	172168-72410	BUSH 40X50X40	1	1	1	1	1	1		
10	3	172165-81750	SEAL, DUST 40X50X5	2	2						
10-1	3	172448-72650	SEAL, DUST	2	2	2	2	2	2	R	
		(A=M/#21117) (B=M/#21117)									
11	3	23871-005000	PLUG, R005	1	1	1	1	1	1		
12	2	172141-72690	HEAD 75 40 W/BUSH	1	1	1	1	1	1		
14	3	933135-14600	BUSH 40 30, ROD	1	1						
14-1	3	24550-040300	BUSH, 40X30	1	1	1	1	1	1	R	
		(A=M/#21014) (B=M/#21014)									
15	2	172457-72910-1	TUBE, BLADE	1	1	1	1	1	1		
16	3	172168-72410	BUSH 40X50X40	1	1	1	1	1	1		
17	3	172165-81750	SEAL, DUST 40X50X5	2	2						
17-1	3	172448-72650	SEAL, DUST	2	2	2	2	2	2	R	
		(A=M/#21117) (B=M/#21117)									
18	2	172444-72940	SEAL SET	1	1	1	1	1	1		
23	3	933111-26600	RING 55, SPRING	1	1	1	1	1	1		
24	2	172457-72950	PISTON 75X30	1	1	1	1	1	1		
25	1	26013-100162	BOLT, M10X 16	2	2	2	2	2	2		

Fig.80. HITCH CYLINDER(QUICK COUPLER SPEC.)

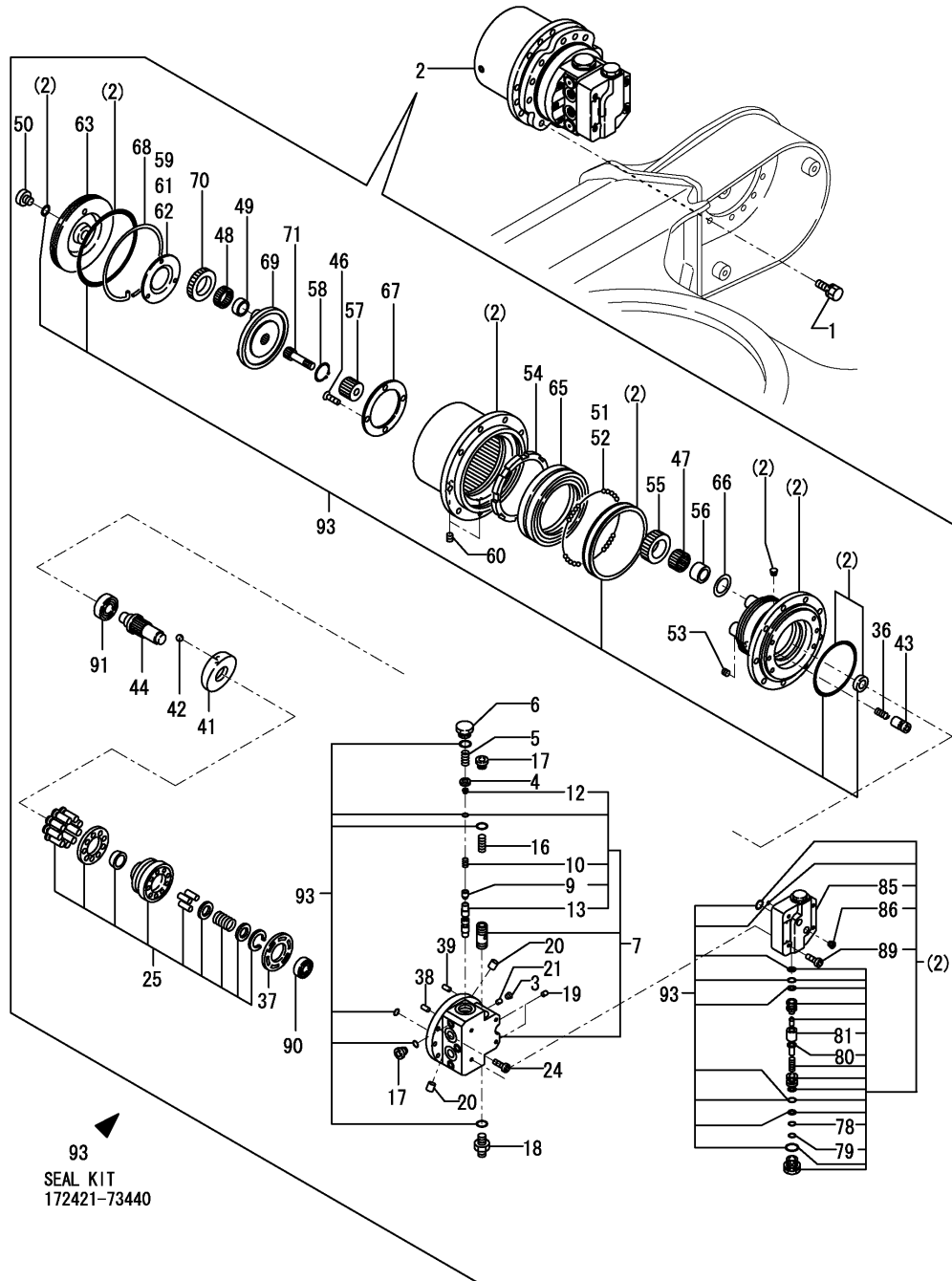
(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-72801-1	CYLINDER ASSY, HITCH	1	1	1	1	1	1		
2	2	172156-72400	NUT	1	1	1	1	1	1		
3	2	172958-72760	SEAL SET, HEAD	1	1	1	1	1	1		
8	2	172958-72770	SEAL SET, PISTON	1	1	1	1	1	1		
11	2	172958-72811	TUBE, HITCH	1	1	1	1	1	1		
13	3	172958-72970	BUSH 30-40-13	2	2	2	2	2	2		
14	2	172958-72830	ROD ASSY,HITCH	1	1	1	1	1	1		
15	3	172156-72770	BUSH, PIN 25 35 B	1	1	1	1	1	1		
16	2	172958-72860	HEAD ASSY 50 25	1	1	1	1	1	1		
18	3	24550-025150	BUSH, 25X15	1	1	1	1	1	1		
19	2	172958-72890	PISTON 50 25	1	1	1	1	1	1		
20	2	172958-72950	O-RING	1	1	1	1	1	1		
21	2	172958-72960	O-RING	1	1	1	1	1	1		
22	2	172958-72981-1	CHECK VALVE (87)	1	1						
22-1	2	172958-72982-1	CHECK VALVE (87)	1	1	1	1	1	1		N
23	2	23871-005000	PLUG, R005 (A=M/#21146) (B=M/#21146)	2	2	2	2	2	2		
24	2	24761-050000	NIPPLE, GREASE C	1	1	1	1	1	1		
25	2	26450-060352	BOLT, M6X 35	4	4	4	4	4	4		

Fig.81. TRAVEL MOTOR



93  
SEAL KIT  
172421-73440

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

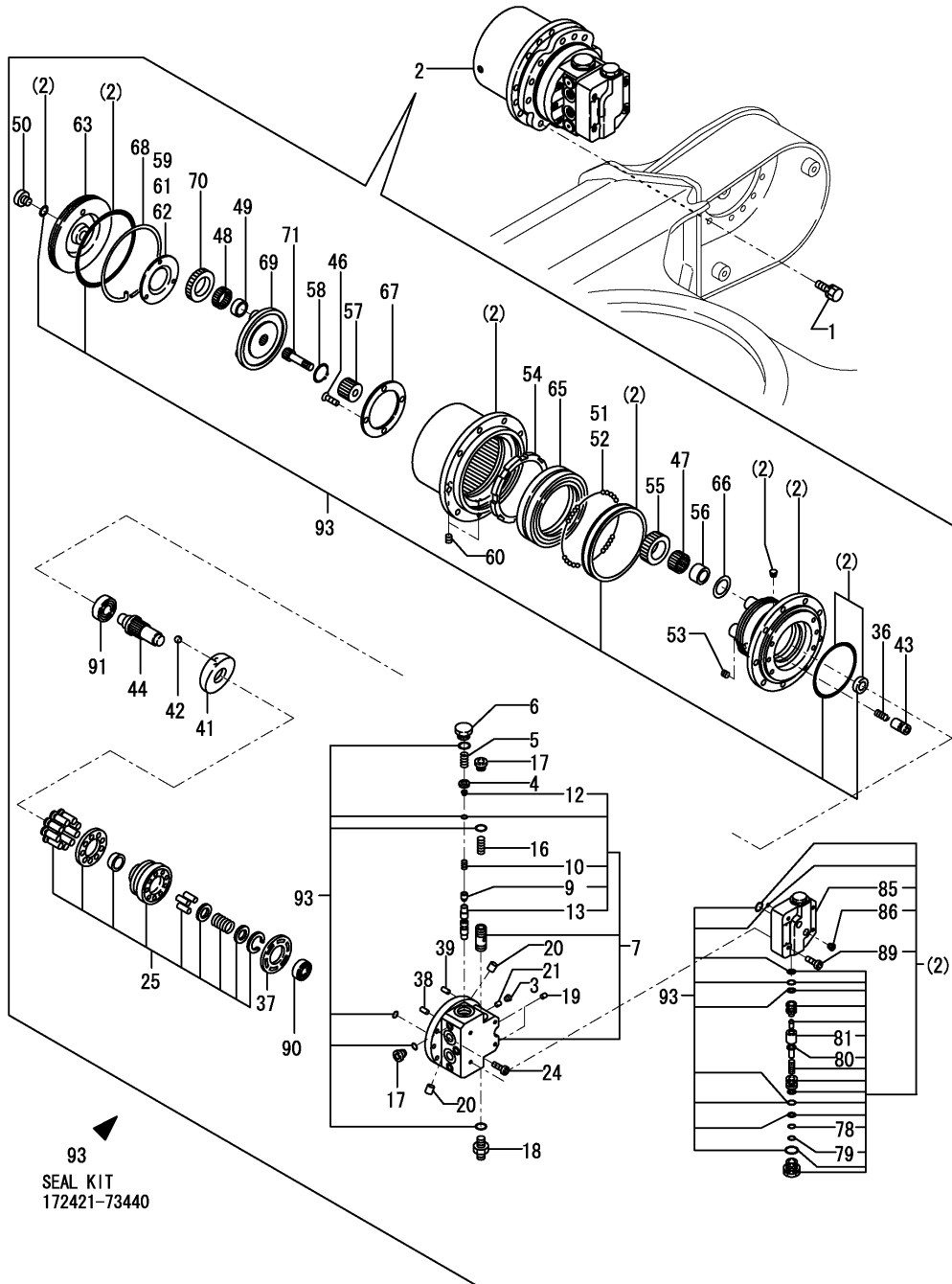
(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26013-100302	BOLT, M10X 30	24	24	24	24	24	24		
2	1	172457-73700-1	MOTOR ASSY, TRAVEL	2	2	2	2	2	2		
3	2	172147-70220	PLUG	4	4	4	4	4	4		
4	2	172141-70450	SEAT, SPRING	4	4	4	4	4	4		
5	2	172141-70460	SPRING	4	4	4	4	4	4		
6	2	172141-70470	CAP	4	4	4	4	4	4		
7	2	172421-73450	BASE PLATE ASSY	2	2	2	2	2	2		
9	4	172141-70410	VALVE, CHECK	4	4	4	4	4	4		
10	4	172141-70420	SPRING	4	4	4	4	4	4		
12	4	172421-73380	PLUG	4	4	4	4	4	4		
13	4	172183-73730	PLUNGER	2	2	2	2	2	2		
16	2	172421-73400	SPRING	2	2	2	2	2	2		
17	2	172183-73770	PLUG	6	6	6	6	6	6		
18	2	172183-73780	PLUG	2	2	2	2	2	2		
19	2	172183-73870	PLUG	8	8	8	8	8	8		
20	2	172312-74790	ORIFICE	4	4	4	4	4	4		
21	2	172312-74790	ORIFICE	8	8	8	8	8	8		
24	2	26450-080202	BOLT, M8X 20	12	12	12	12	12	12		
25	2	172450-73620	CYLINDER BLOCK KIT	2	2	2	2	2	2		
36	2	172168-71950	SPRING	4	4	4	4	4	4		
37	2	172638-73330	PLATE	2	2	2	2	2	2		
38	2	172122-73470	PIN	2	2	2	2	2	2		
39	2	172122-73480	PIN	4	4	4	4	4	4		
41	2	172450-73500	PLATE, SWASH	2	2	2	2	2	2		
42	2	172450-73510	BALL, STEEL	4	4	4	4	4	4		
43	2	172450-73550	PISTON ASSY	4	4	4	4	4	4		
44	2	172183-73670	SHAFT	2	2	2	2	2	2		
46	3	172141-70110	SCREW	8	8	8	8	8	8		
47	3	172147-70120	GAUGE ASSY	8	8	8	8	8	8		
48	3	172141-70150	GAUGE, W/ROLLER	6	6	6	6	6	6		
49	3	172141-70160	RACE, INNER	6	6	6	6	6	6		
50	3	172148-70301	PLUG	4	4	4	4	4	4		
51	3	172122-70350	BALL	198	198	198	198	198	198		
52	3	172122-70350	BALL	20	20	20	20	20	20		
53	3	172450-73330	PLUG	4	4	4	4	4	4		
54	3	172456-73350	NUT, RING	2	2	2	2	2	2		
55	3	172456-73360	GEAR, PLANETARY	8	8	8	8	8	8		
56	3	172456-73370	INNER RACE	8	8	8	8	8	8		
57	3	172456-73380	GEAR, SUN	2	2	2	2	2	2		
58	3	172456-73390	SNAP RING	2	2	2	2	2	2		
59	3	172456-73420	THRUST PLATE	2	2	2	2	2	2		
60	3	172122-73430	PLUG	4	4	4	4	4	4		
61	3	172456-73430	THRUST PLATE	2	2	2	2	2	2		
62	3	172456-73440	THRUST PLATE	2	2	2	2	2	2		
63	3	172456-73450	COVER	2	2	2	2	2	2		
65	3	172183-73520	BEARING	2	2	2	2	2	2		
66	3	172183-73560	WASHER, THRUST	8	8	8	8	8	8		
67	3	172183-73570	PLATE, THRUST	2	2	2	2	2	2		
68	3	172183-73660	WIRE	2	2	2	2	2	2		
69	3	172457-73730	HOLDER	2	2	2	2	2	2		
70	3	172457-73740	GEAR, PLANETARY	6	6	6	6	6	6		

Fig.81. TRAVEL MOTOR

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

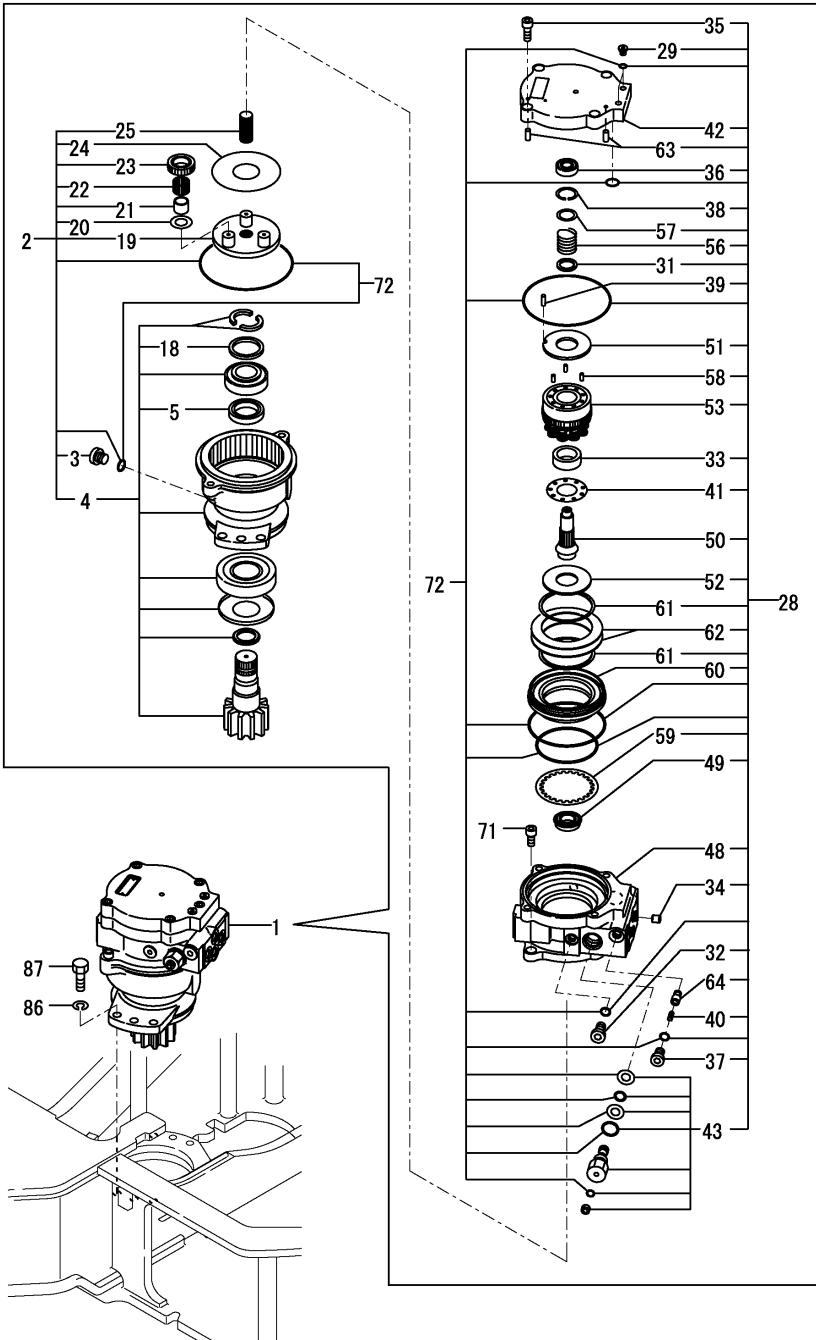
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
71	3	172457-73770	GEAR, DRIVE	2	2	2	2	2	2		
78	4	172147-70610	SHIM	4	4	4	4	4	4		
79	4	172162-70760	SHIM	12	12	12	12	12	12		
80	4	172173-73440	ORIFICE	4	4	4	4	4	4		
81	4	172423-73630	PISTON	4	4	4	4	4	4		
85	3	172183-73810	VALVE BODY	2	2	2	2	2	2		
86	3	23871-020000	PLUG, R02	4	4	4	4	4	4		
89	3	26450-060402	BOLT, M6X 40	8	8	8	8	8	8		
90	2	24101-060024	BEARING, BALL 6002	2	2	2	2	2	2		
91	2	24101-060044	BEARING, BALL 6004	2	2	2	2	2	2		
93	1	172421-73440	SEAL SET	2	2	2	2	2	2		

93  
 SEAL KIT  
 172421-73440

Fig.82. TURNING MOTOR



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

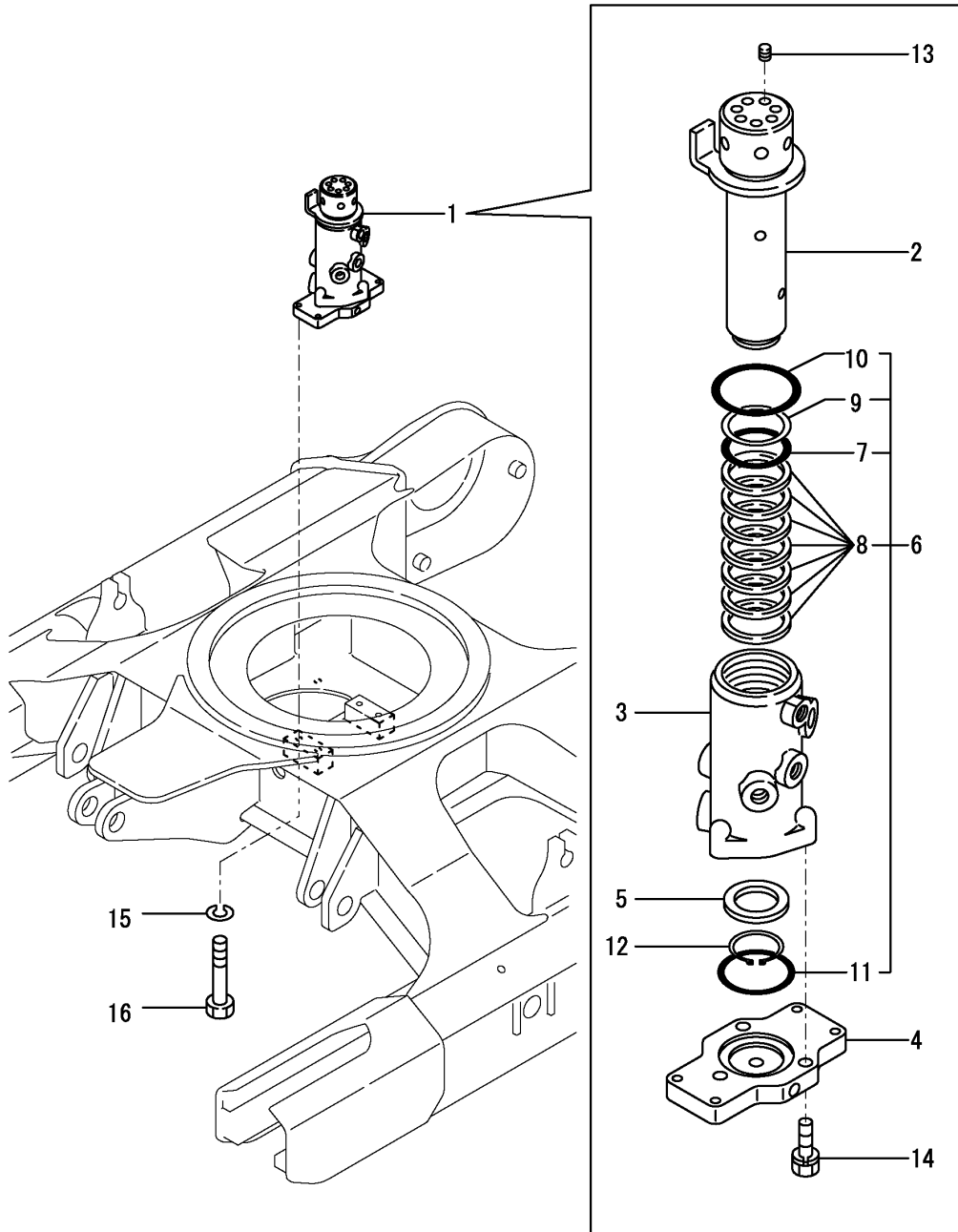
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-73711	MOTOR ASSY, TURNING	1	1	1	1	1	1		
2	2	172458-73400	GEAR ASSY, REDUCTION	1	1	1	1	1	1		
3	3	1A6240-37360	PLUG	1	1	1	1	1	1		
4	3	172458-74350	HOUSING ASSY	1	1	1	1	1	1		
5	4	172450-73750	SEAL, OIL	1	1	1	1	1	1		
18	4	172458-73960	COLLAR	1	1	1	1	1	1		
19	3	172450-73830	COLLAR	1	1	1	1	1	1		
20	3	172450-73850	WASHER, THRUST	3	3	3	3	3	3		
21	3	172450-73860	INNER RACE	3	3	3	3	3	3		
22	3	172450-73870	NEEDLE BEARING	3	3	3	3	3	3		
23	3	172458-73970	GEAR, PLANETARY	3	3	3	3	3	3		
24	3	172458-73980	PLATE, THRUST	1	1	1	1	1	1		
25	3	172458-73990	GEAR, DRIVE	1	1	1	1	1	1		
28	2	172457-73410	PISTON MOTOR	1	1	1	1	1	1		
29	3	1A6240-37360	PLUG	2	2	2	2	2	2		
31	3	172147-70280	COLLAR	1	1	1	1	1	1		
32	3	172148-70301	PLUG	1	1	1	1	1	1		
33	3	172147-70330	HOLDER, RETAINER	1	1	1	1	1	1		
34	3	172124-70380	ORIFICE	1	1	1	1	1	1		
35	3	172124-70390	BOLT, SOCKET	5	5	5	5	5	5		
36	3	172147-70390	BALL BEARING	1	1	1	1	1	1		
37	3	172147-70500	PLUG	2	2	2	2	2	2		
38	3	172122-70630	SNAP RING	1	1	1	1	1	1		
39	3	172122-73470	PIN	1	1	1	1	1	1		
40	3	172638-73470	SPRING	2	2	2	2	2	2		
41	3	172423-73530	RETAINER PLATE	1	1	1	1	1	1		
42	3	172459-73740	COVER	1	1	1	1	1	1		
43	3	172457-73780	RELIEF VALVE	2	2	2	2	2	2		
48	3	172458-74300	CASE	1	1	1	1	1	1		
49	3	172458-74310	BALL BEARING	1	1	1	1	1	1		
50	3	172458-74320	SHAFT	1	1	1	1	1	1		
51	3	172458-74330	PLATE, VALVE	1	1	1	1	1	1		
52	3	172450-77050	PLATE, THRUST	1	1	1	1	1	1		
53	3	172450-77220	KIT, CYLINDER BLOCK	1	1	1	1	1	1		
56	3	172450-77070	SPRING	1	1	1	1	1	1		
57	3	172450-77080	WASHER	1	1	1	1	1	1		
58	3	172450-77090	PIN	3	3	3	3	3	3		
59	3	172450-77110	DISK	1	1	1	1	1	1		
60	3	172450-77120	PISTON, BRAKE	1	1	1	1	1	1		
61	3	172450-77130	SEAT, SPRING	2	2	2	2	2	2		
62	3	172450-77140	SPRING ASSY, DISK	1	1	1	1	1	1		
63	3	172450-77170	PIN	2	2	2	2	2	2		
64	3	172450-77190	CHECK VALVE	2	2	2	2	2	2		
71	2	172124-70390	BOLT, SOCKET	2	2	2	2	2	2		
72	1	172458-74910	REPAIR KIT	1	1	1	1	1	1		
86	1	22217-140000	WASHER, SPRING 14	6	6	6	6	6	6		
87	1	26116-140452	BOLT, M14X 45 PLATED	6	6	6	6	6	6		

Fig.83. SWIVEL JOINT

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



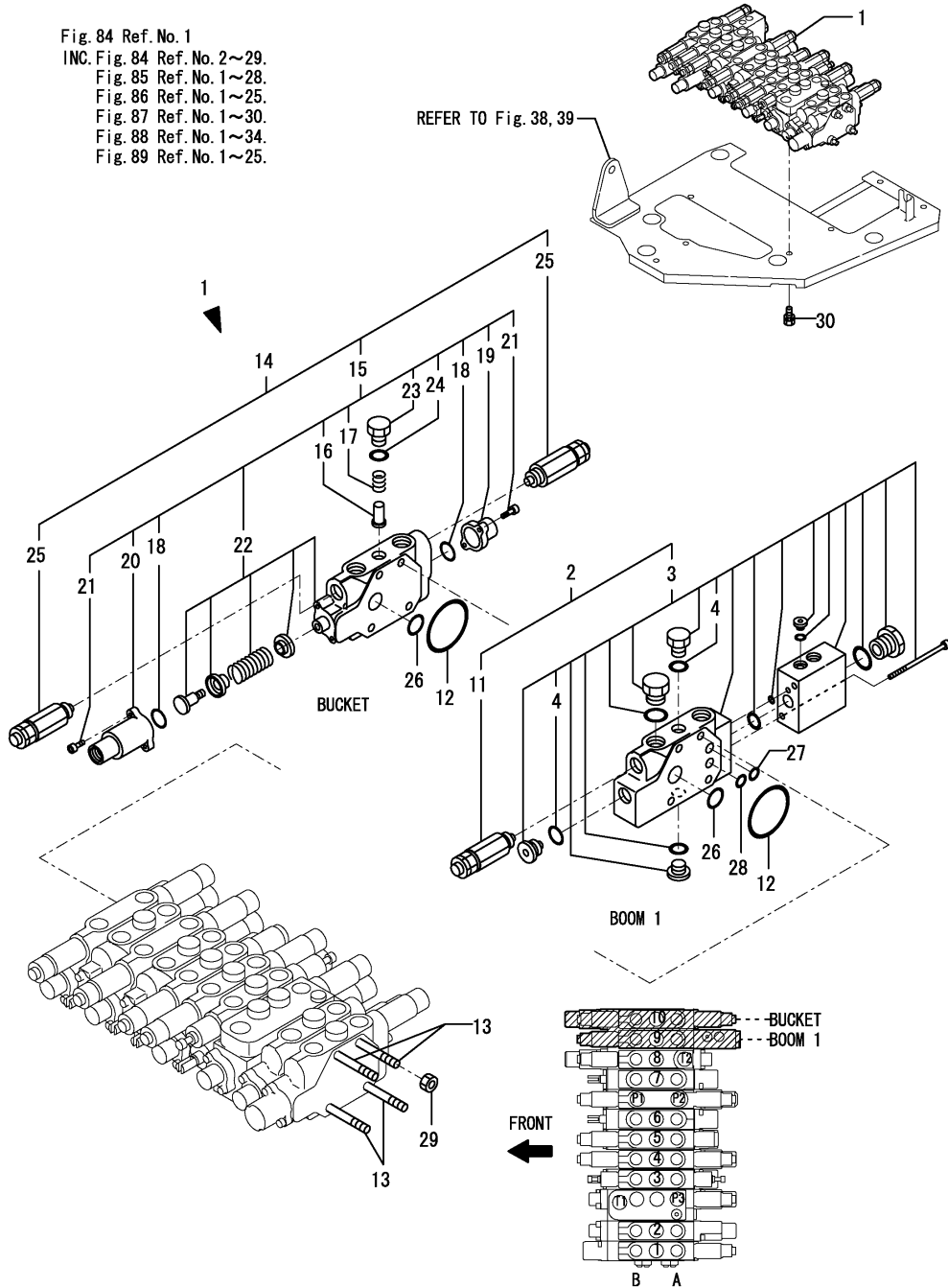
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172444-73802	JOINT ASSY, SWIVEL	1	1	1	1	1	1		
2	2	172444-73810	SHAFT ASSY, SWIVEL	1	1	1	1	1	1		
3	2	172444-73831	HUB, SWIVEL	1	1	1	1	1	1		
4	2	172444-73840	FLANGE, SWIVEL	1	1	1	1	1	1		
5	2	172137-73860	SPACER, SWIVEL	1	1	1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

Fig.84. CONTROL VALVE(1/6)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

Fig. 84 Ref. No. 1  
 INC. Fig. 84 Ref. No. 2~29.  
 Fig. 85 Ref. No. 1~28.  
 Fig. 86 Ref. No. 1~25.  
 Fig. 87 Ref. No. 1~30.  
 Fig. 88 Ref. No. 1~34.  
 Fig. 89 Ref. No. 1~25.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172457-74100	VALVE ASSY,CONTROL	1	1	1	1	1	1		
2	2	172457-74240	SECTION, BOOM LOCK	1	1	1	1	1	1		
3	3	172457-74250	SECTION, BOOM LOCK	1	1	1	1	1	1		
4	4	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
11	3	172458-74710	VALVE, RELIEF	1	1	1	1	1	1		
12	2	172458-74720	O-RING	2	2	2	2	2	2		
13	2	172458-74730	BOLT L380	4	4	4	4	4	4		
14	2	172458-74860	SECTION, BUCKET	1	1	1	1	1	1		
15	3	172458-74610	SECTION ASSY, BUCKET	1	1	1	1	1	1		
16	4	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
17	4	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
18	4	172458-74230	O-RING	2	2	2	2	2	2		
19	4	172458-74240	COVER, PILOT	1	1	1	1	1	1		
20	4	172458-74250	COVER, PILOT	1	1	1	1	1	1		
21	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4	4	4		
22	4	172458-74620	SPOOL ASSY, BUCKET	1	1	1	1	1	1		
23	4	172458-74630	STAY, VALVE	1	1	1	1	1	1		
24	4	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
25	3	172458-74710	VALVE, RELIEF	2	2	2	2	2	2		
26	2	24311-000180	O-RING, 1AP18.0	2	2	2	2	2	2		
27	2	24315-000090	O-RING, 1BP9.0	1	1	1	1	1	1		
28	2	24315-000100	O-RING, 1BP10.0	1	1	1	1	1	1		
29	2	26716-080002	NUT, M8	4	4	4	4	4	4		
30	1	26013-100162	BOLT, M10X 16	3	3	3	3	3	3		

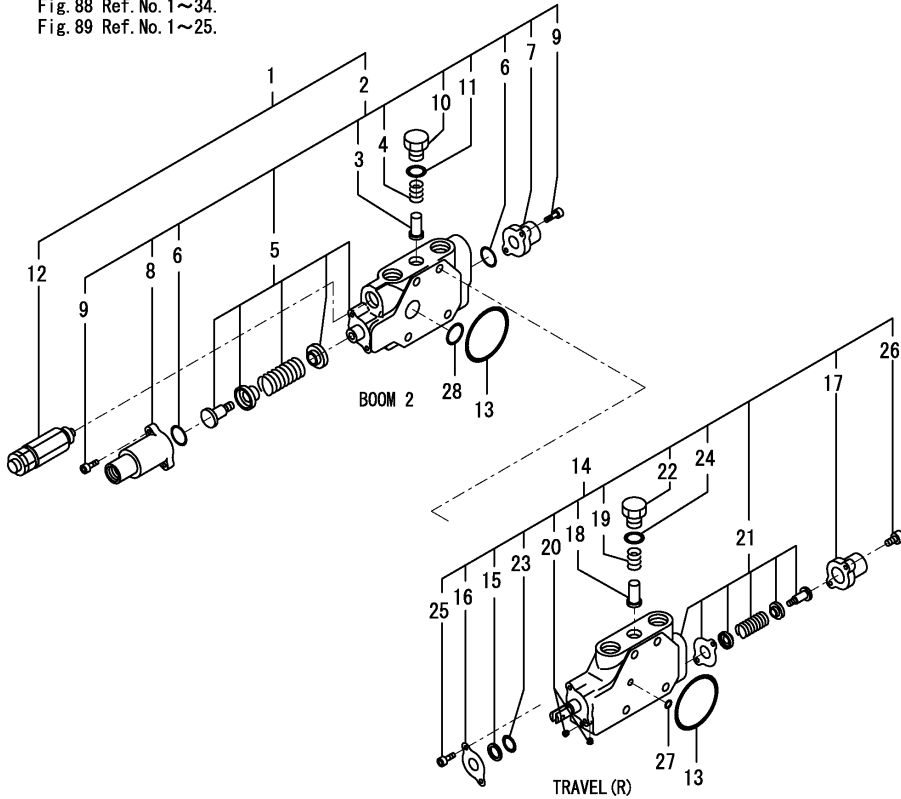


Fig.85. CONTROL VALVE(2/6)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

Fig. 84 Ref. No. 1  
 INC. Fig. 84 Ref. No. 2~29.  
 Fig. 85 Ref. No. 1~28.  
 Fig. 86 Ref. No. 1~25.  
 Fig. 87 Ref. No. 1~30.  
 Fig. 88 Ref. No. 1~34.  
 Fig. 89 Ref. No. 1~25.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172457-74230	SECTION, BOOM	1	1	1	1	1	1		
2	3	172457-74170	SECTION ASSY, BOOM	1	1	1	1	1	1		
3	4	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
4	4	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
5	4	172457-74180	SPOOL ASSY, BOOM	1	1	1	1	1	1		
6	4	172458-74230	O-RING	2	2	2	2	2	2		
7	4	172458-74240	COVER, PILOT	1	1	1	1	1	1		
8	4	172458-74250	COVER, PILOT	1	1	1	1	1	1		
9	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4	4	4		
10	4	172458-74630	STAY, VALVE	1	1	1	1	1	1		
11	4	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
12	3	172447-74221	PORT RELIFE VALVE	1	1	1	1	1	1		
13	2	172458-74720	O-RING	2	2	2	2	2	2		
14	2	172458-74560	SECTION ASSY, TRAVEL	1	1	1	1	1	1		
15	3	172458-74130	DUST WIPER	1	1	1	1	1	1		
16	3	172458-74140	RETAINER, SEAL	1	1	1	1	1	1		
17	3	172458-74170	CAP, SPRING	1	1	1	1	1	1		
18	3	172458-74290	VALVE, REVERSE	1	1	1	1	1	1		
19	3	172458-74360	SPRING, VALVE	1	1	1	1	1	1		
20	3	172458-74460	PLUG GPM1/32	2	2	2	2	2	2		
21	3	172458-74570	SPOOL ASSY, TRAVEL	1	1	1	1	1	1		
22	3	172458-74640	STAY, VALVE	1	1	1	1	1	1		
23	3	24311-000120	O-RING, 1AP12.0	1	1	1	1	1	1		
24	3	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
25	3	26450-050102	BOLT, M5X 10	2	2	2	2	2	2		
26	3	26450-050182	BOLT, M5X 18	2	2	2	2	2	2		
27	2	24311-000060	O-RING, 1AP6.0	2	2	2	2	2	2		
28	2	24311-000180	O-RING, 1AP18.0	1	1	1	1	1	1		

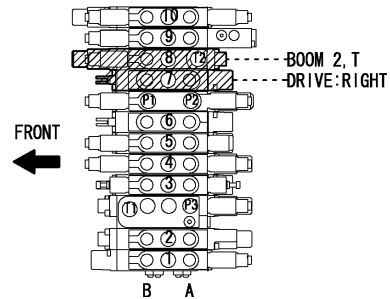
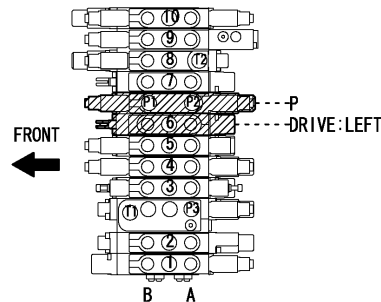
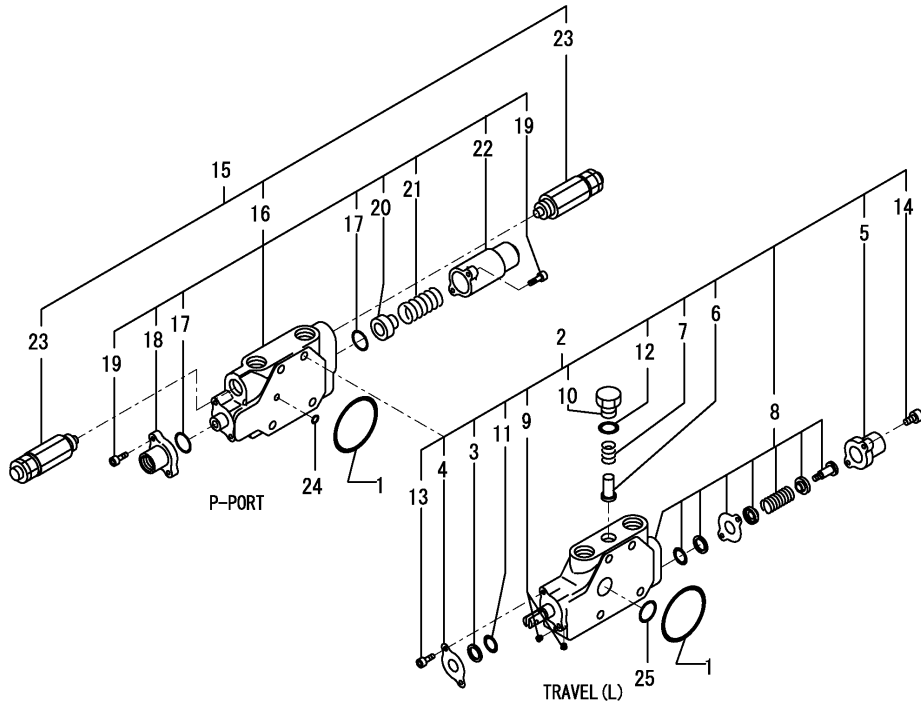


Fig.86. CONTROL VALVE(3/6)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

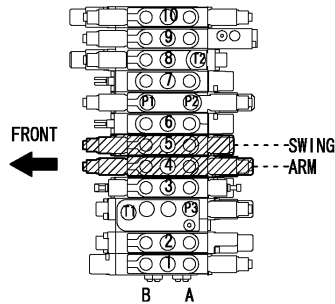
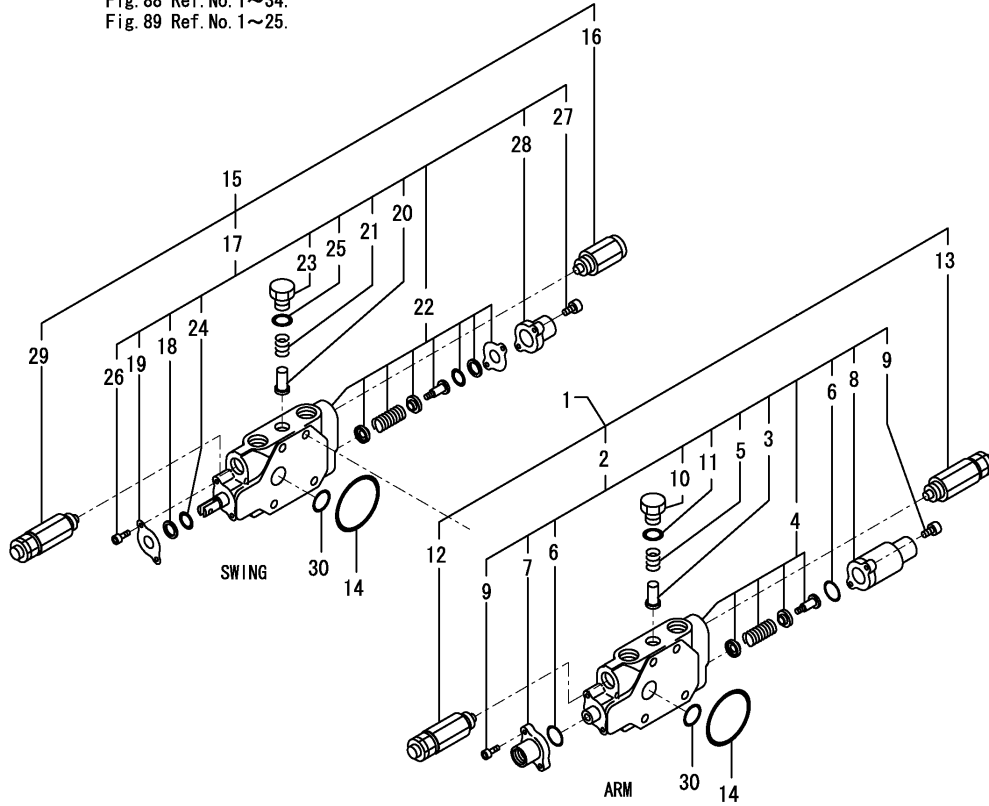
- Fig. 84 Ref. No. 1
- INC. Fig. 84 Ref. No. 2~29.
- Fig. 85 Ref. No. 1~28.
- Fig. 86 Ref. No. 1~25.
- Fig. 87 Ref. No. 1~30.
- Fig. 88 Ref. No. 1~34.
- Fig. 89 Ref. No. 1~25.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172458-74720	O-RING	2	2	2	2	2	2		
2	2	172458-74440	SECTION ASSY, TRAVEL	1	1	1	1	1	1		
3	3	172458-74130	DUST WIPER	1	1	1	1	1	1		
4	3	172458-74140	RETAINER, SEAL	1	1	1	1	1	1		
5	3	172458-74170	CAP, SPRING	1	1	1	1	1	1		
6	3	172458-74290	VALVE, REVERSE	1	1	1	1	1	1		
7	3	172458-74360	SPRING, VALVE	1	1	1	1	1	1		
8	3	172458-74450	SPOOL ASSY, TRAVEL	1	1	1	1	1	1		
9	3	172458-74460	PLUG GPM1/32	2	2	2	2	2	2		
10	3	172458-74640	STAY, VALVE	1	1	1	1	1	1		
11	3	24311-000120	O-RING, 1AP12.0	1	1	1	1	1	1		
12	3	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
13	3	26450-050102	BOLT, M5X 10	2	2	2	2	2	2		
14	3	26450-050182	BOLT, M5X 18	2	2	2	2	2	2		
15	2	172458-74820	PART,SUPPLY	1	1	1	1	1	1		
16	3	172458-74520	SECTION ASSY	1	1	1	1	1	1		
17	4	172458-74230	O-RING	2	2	2	2	2	2		
18	4	172458-74240	COVER, PILOT	1	1	1	1	1	1		
19	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4	4	4		
20	4	172458-74530	SEAT, SPRING	1	1	1	1	1	1		
21	4	172458-74540	SPRING, RETURN	1	1	1	1	1	1		
22	4	172458-74550	COVER, PILOT	1	1	1	1	1	1		
23	3	172458-74680	RELIEF 210/30	2	2	2	2	2	2		
24	2	24311-000060	O-RING, 1AP6.0	2	2	2	2	2	2		
25	2	24311-000180	O-RING, 1AP18.0	1	1	1	1	1	1		

Fig.87. CONTROL VALVE(4/6)

Fig. 84 Ref. No. 1  
 INC. Fig. 84 Ref. No. 2~29.  
 Fig. 85 Ref. No. 1~28.  
 Fig. 86 Ref. No. 1~25.  
 Fig. 87 Ref. No. 1~30.  
 Fig. 88 Ref. No. 1~34.  
 Fig. 89 Ref. No. 1~25.



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172457-74220	SECTION, ARM	1	1	1	1	1	1		
2	3	172457-74150	SECTION ASSY, ARM	1	1	1	1	1	1		
3	4	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
4	4	172457-74160	SPOOL ASSY, ARM	1	1	1	1	1	1		
5	4	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
6	4	172458-74230	O-RING	2	2	2	2	2	2		
7	4	172458-74240	COVER, PILOT	1	1	1	1	1	1		
8	4	172458-74250	COVER, PILOT	1	1	1	1	1	1		
9	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4	4	4		
10	4	172458-74630	STAY, VALVE	1	1	1	1	1	1		
11	4	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
12	3	172447-74221	PORT RELIFE VALVE	1	1	1	1	1	1		
13	3	172458-74710	VALVE, RELIEF	1	1	1	1	1	1		
14	2	172458-74720	O-RING	2	2	2	2	2	2		
15	2	172458-74800	SECTION, SWING	1	1	1	1	1	1		
16	3	172447-74230	ANTI-CAVITATION	1	1	1	1	1	1		
17	3	172458-74420	SECTION ASSY, SWING	1	1	1	1	1	1		
18	4	172458-74130	DUST WIPER	1	1	1	1	1	1		
19	4	172458-74140	RETAINER, SEAL	1	1	1	1	1	1		
20	4	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
21	4	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
22	4	172458-74430	SPOOL ASSY, SWING	1	1	1	1	1	1		
23	4	172458-74630	STAY, VALVE	1	1	1	1	1	1		
24	4	24311-000120	O-RING, 1AP12.0	1	1	1	1	1	1		
25	4	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
26	4	26450-050102	BOLT, M5X 10	2	2	2	2	2	2		
27	4	26450-050182	BOLT, M5X 18	2	2						
28	4	172458-74170	CAP, SPRING	1	1	1	1	1	1		
29	3	172458-74710	VALVE, RELIEF	1	1	1	1	1	1		
30	2	24311-000180	O-RING, 1AP18.0	2	2	2	2	2	2		

Fig.88. CONTROL VALVE(5/6)

Fig. 84 Ref. No. 1

INC. Fig. 84 Ref. No. 2~29.

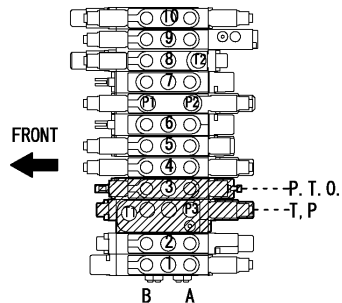
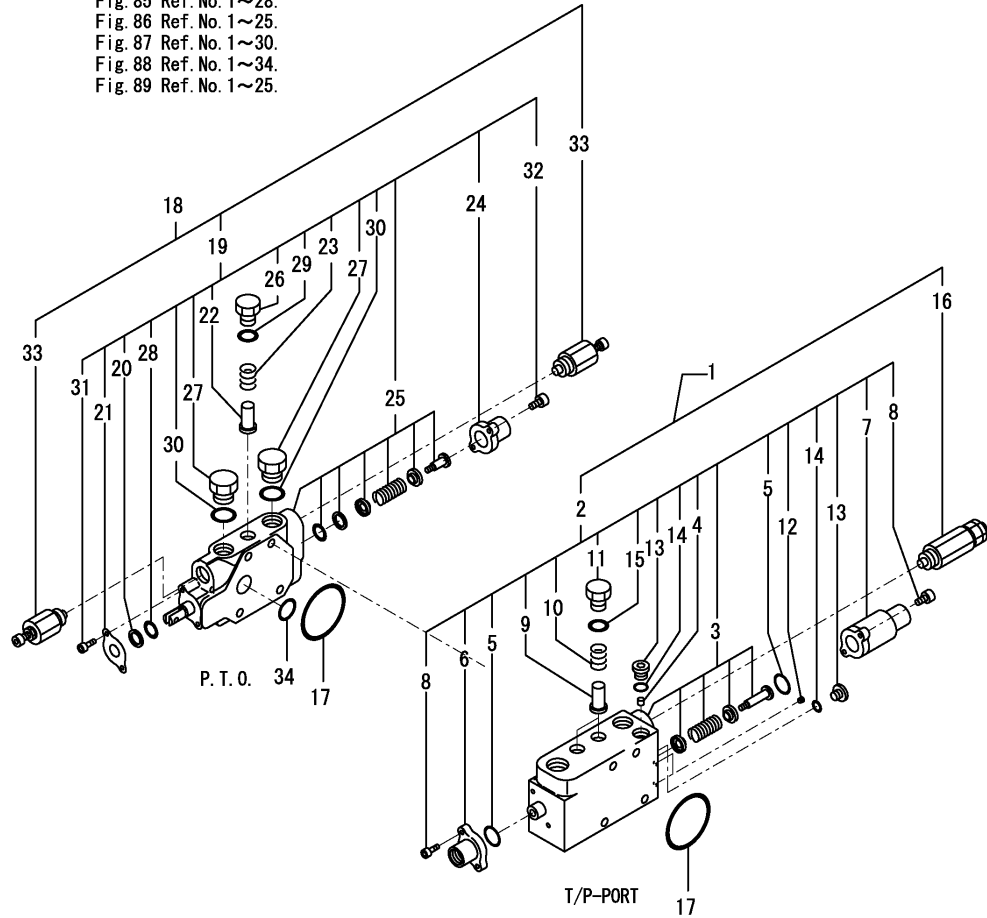
Fig. 85 Ref. No. 1~28.

Fig. 86 Ref. No. 1~25.

Fig. 87 Ref. No. 1~30.

Fig. 88 Ref. No. 1~34.

Fig. 89 Ref. No. 1~25.



(A)=VIO27-2 C(US)

(B)=VIO27-2 P(US)

(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)

(E)=VIO27-2 C(NZ)

(F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172457-74210	SECTION, CONFLUENE	1	1	1	1	1	1		
2	3	172457-74130	SECTION ASSY	1	1	1	1	1	1		
3	4	172457-74140	SPOOL ASSY	1	1	1	1	1	1		
4	4	172457-74190	LIMITTER, M6 0.9	1	1	1	1	1	1		
5	4	172458-74230	O-RING	2	2	2	2	2	2		
6	4	172458-74240	COVER, PILOT	1	1	1	1	1	1		
7	4	172458-74250	COVER, PILOT	1	1	1	1	1	1		
8	4	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4	4	4		
9	4	172458-74290	VALVE, REVERSE	2	2	2	2	2	2		
10	4	172458-74360	SPRING, VALVE	2	2	2	2	2	2		
11	4	172458-74640	STAY, VALVE	2	2	2	2	2	2		
12	4	172458-74660	PLUG NPT1/16,SCREW	2	2	2	2	2	2		
13	4	172458-74670	PLUG,PF1/8	2	2	2	2	2	2		
14	4	24315-000080	O-RING, 1BP8.0	2	2	2	2	2	2		
15	4	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
16	3	172458-74690	RELIEF 210/19	1	1	1	1	1	1		
17	2	172458-74720	O-RING	2	2	2	2	2	2		
18	2	172458-74780	SECTION, PTO	1	1	1	1	1	1		
19	3	172458-74380	SECTION ASSY, PTO	1	1	1	1	1	1		
20	4	172458-74130	DUST WIPER	1	1	1	1	1	1		
21	4	172458-74140	RETAINER, SEAL	1	1	1	1	1	1		
22	4	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
23	4	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
24	4	172458-74170	CAP, SPRING	1	1	1	1	1	1		
25	4	172458-74390	SPOOL ASSY, PTO	1	1	1	1	1	1		
26	4	172458-74630	STAY, VALVE	1	1	1	1	1	1		
27	4	172458-74650	STAY, VALVE	2	2	2	2	2	2		
28	4	24311-000120	O-RING, 1AP12.0	1	1	1	1	1	1		
29	4	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
30	4	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
31	4	26450-050102	BOLT, M5X 10	2	2	2	2	2	2		
32	4	26450-050182	BOLT, M5X 18	2	2	2	2	2	2		
33	3	172458-74740	SHUT OFF VALVE	2	2	2	2	2	2		
34	2	24311-000180	O-RING, 1AP18.0	1	1	1	1	1	1		

Fig.89. CONTROL VALVE(6/6)

Fig. 84 Ref. No. 1

INC. Fig. 84 Ref. No. 2~29.

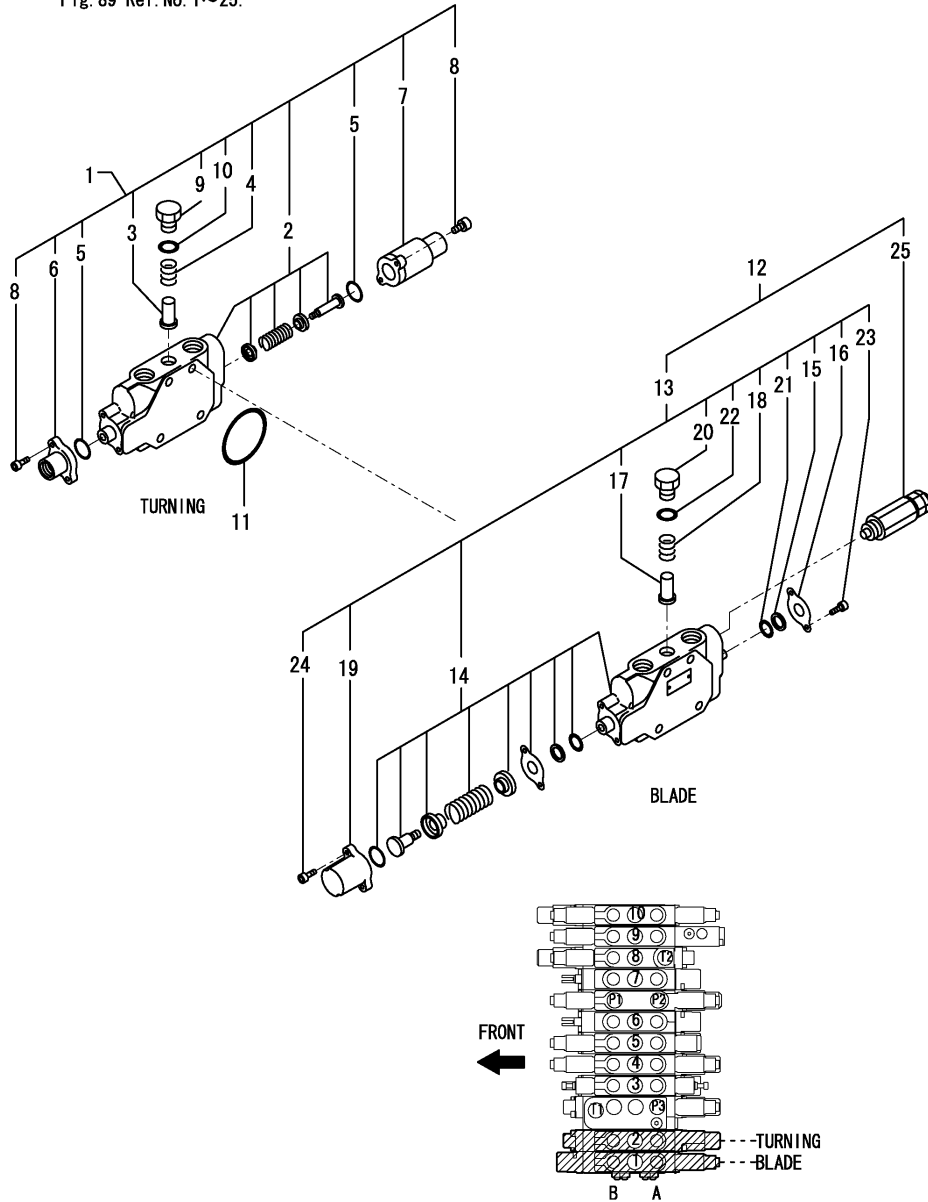
Fig. 85 Ref. No. 1~28.

Fig. 86 Ref. No. 1~25.

Fig. 87 Ref. No. 1~30.

Fig. 88 Ref. No. 1~34.

Fig. 89 Ref. No. 1~25.



(A)=VIO27-2 C(US)

(B)=VIO27-2 P(US)

(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)

(E)=VIO27-2 C(NZ)

(F)=VIO27-2 P(NZ)

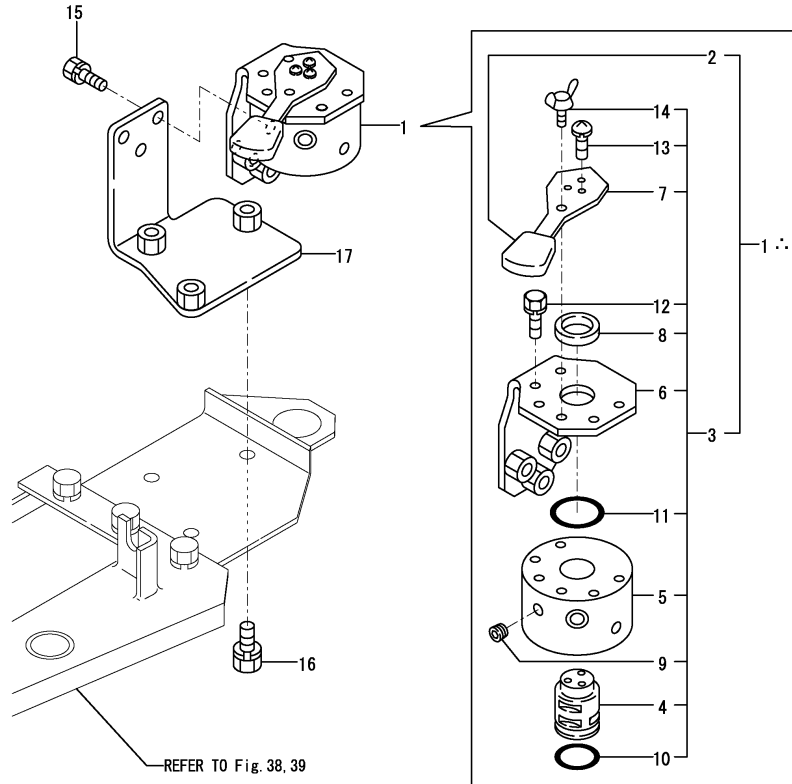
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172457-74110	SECTION ASSY	1	1	1	1	1	1		
2	3	172457-74120	SPOOL ASSY, SWING	1	1	1	1	1	1		
3	3	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
4	3	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
5	3	172458-74230	O-RING	2	2	2	2	2	2		
6	3	172458-74240	COVER, PILOT	1	1	1	1	1	1		
7	3	172458-74250	COVER, PILOT	1	1	1	1	1	1		
8	3	172458-74260	SWP HEX.BOLT 5X20	4	4	4	4	4	4		
9	3	172458-74630	STAY, VALVE	1	1	1	1	1	1		
10	3	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
11	2	172458-74720	O-RING	1	1	1	1	1	1		
12	2	172458-74750	SECTION, BLADE	1	1	1	1	1	1		
13	3	172458-74110	SECTION ASSY, BLADE	1	1	1	1	1	1		
14	4	172458-74120	SPOOL ASSY, BLADE	1	1	1	1	1	1		
15	4	172458-74130	DUST WIPER	1	1	1	1	1	1		
16	4	172458-74140	RETAINER, SEAL	1	1	1	1	1	1		
17	4	172458-74150	VALVE, REVERSE	1	1	1	1	1	1		
18	4	172458-74160	SPRING, VALVE	1	1	1	1	1	1		
19	4	172458-74170	CAP, SPRING	1	1	1	1	1	1		
20	4	172458-74630	STAY, VALVE	1	1	1	1	1	1		
21	4	24311-000120	O-RING, 1AP12.0	1	1	1	1	1	1		
22	4	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
23	4	26450-050102	BOLT, M5X 10	2	2	2	2	2	2		
24	4	26450-050182	BOLT, M5X 18	2	2	2	2	2	2		
25	3	172458-74700	VALVE, RELIEF	1	1	1	1	1	1		

Fig.90. 2-WAY VALVE

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172437-74690 (A=XXX) (B=XXX)	VALVE ASSY,2WAY (C=XXX) (D=XXX)	1	1	1	1	1	1	1	W
2	2	194273-47910	KNOB, LEVER	1	1	1	1	1	1	1	
3	2	172437-74701	VALVE ASSY,2WAY	1	1	1	1	1	1	1	
4	3	172437-74711	SHAFT	1	1	1	1	1	1	1	
5	3	172437-74720	BLOCK,VALVE	1	1	1	1	1	1	1	
6	3	172437-74731	STAY ASSY	1	1	1	1	1	1	1	1
7	3	172437-74750	LEVER	1	1	1	1	1	1	1	
8	3	22137-240000	WASHER, 24	1	1	1	1	1	1	1	
9	3	23871-010000	PLUG, R01	4	4	4	4	4	4	4	
10	3	24311-000250	O-RING, 1AP25.0	1	1	1	1	1	1	1	
11	3	24311-000320	O-RING, 1AP32.0	1	1	1	1	1	1	1	
12	3	26013-060162	BOLT, M6X 16	4	4	4	4	4	4	4	
13	3	26022-050122	SCREW, M5X12	3	3	3	3	3	3	3	
14	3	26647-060202	BOLT, WING M6X20	1	1	1	1	1	1	1	
15	1	26013-080252	BOLT, M8X 25	3	3	3	3	3	3	3	
16	1	26013-100202	BOLT, M10X 20	3	3	3	3	3	3	3	
17	1	172472-74200	BRACKET,2-WAY	1	1	1	1	1	1	1	
18A	1	172437-03610	LABEL	1	1	1	1	1	1	1	2
18B	1	172437-03620	LABEL	1	1	1	1	1	1	1	2

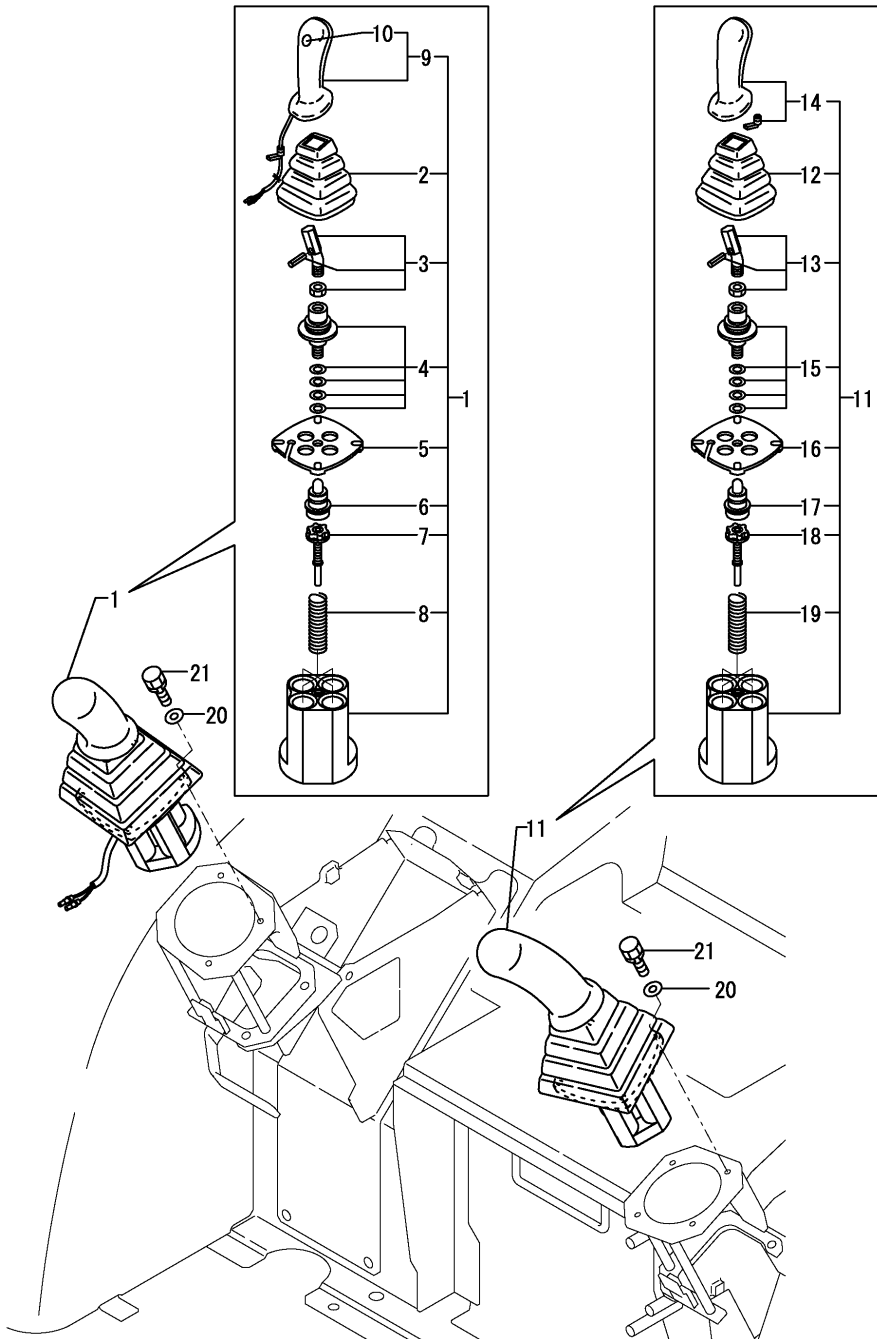
.\*.MARKED PART HAS BEEN CHANGED (ADDED).

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.17A,17B  
 (2)LABELS ARE NOT ILLUSTRATED.

Fig.91. REMOTE CONTROL VALVE

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

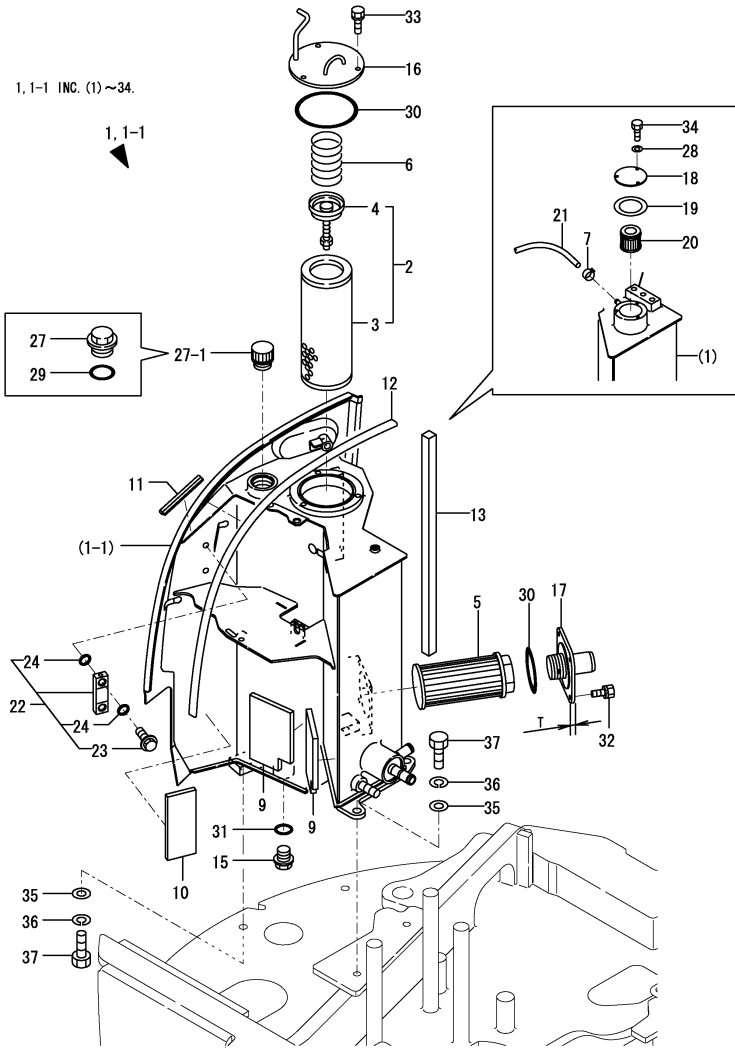


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172463-74510	VALVE ASSY,R US	1	1						
1-1	1	172463-74511	VALVE ASSY, R.US	1	1	1	1	1	1	1	N
		(A=M/#20969)	(B=M/#20969)								
2	2	172441-74030	BELLOWS	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
3	2	172441-74040	COMMAND KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
4	2	172463-74530	CARDAN KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
5	2	172463-74540	RETAINING PLATE	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
6	2	172463-74551	PLUNGER KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
7	2	172463-74561	REGULATION KIT	4	4	4	4	4	4	4	W
		(A=M/#20969)	(B=M/#20969)								
8	2	172463-74570	SPRING KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
9	2	172463-74590	HANDLE R	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
10	3	172463-74580	SWITCH, BUTTON	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
11	1	172463-74520	VALVE ASSY,L US	1	1						
11-1	1	172463-74521	VALVE ASSY, L.US	1	1	1	1	1	1	1	N
		(A=M/#20969)	(B=M/#20969)								
12	2	172441-74030	BELLOWS	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
13	2	172441-74040	COMMAND KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
14	2	172441-74050	HANDLE L	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
15	2	172463-74530	CARDAN KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
16	2	172463-74540	RETAINING PLATE	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
17	2	172463-74551	PLUNGER KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
18	2	172463-74561	REGULATION KIT	4	4	4	4	4	4	4	W
		(A=M/#20969)	(B=M/#20969)								
19	2	172463-74570	SPRING KIT	1	1	1	1	1	1	1	W
		(A=M/#20969)	(B=M/#20969)								
20	1	22137-060000	WASHER, 6	8	8	8	8	8	8	8	W
		(A=M/#20969)	(B=M/#20969)								
21	1	26013-060162	BOLT, M6X 16	8	8						
21-1	1	26013-060202	BOLT, M6X 20	8	8	8	8	8	8	8	N
		(A=M/#20969)	(B=M/#20969)								

Fig.92. HYD.OIL TANK

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)



Remarks  
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.38A,38B  
(2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.38C  
(3)LABELS ARE NOT ILLUSTRATED.  
(4)T=REF.NO.17 6MM, NO.17-1 12MM.  
INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.32-1.

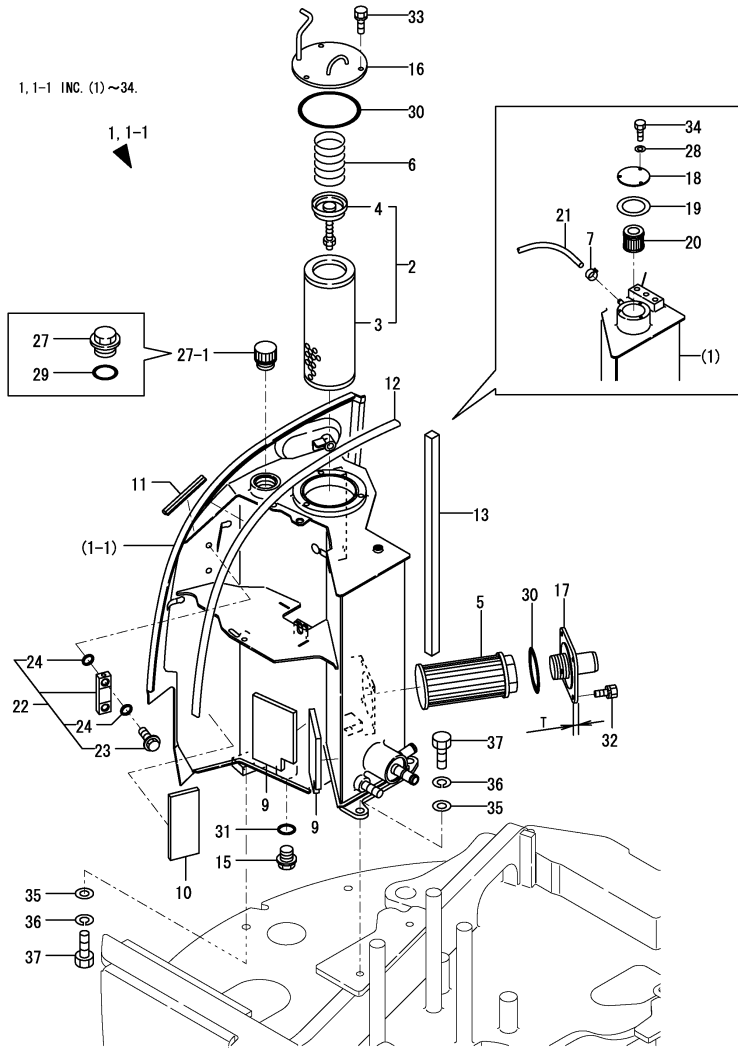
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772457-75110-1	TANK ASSY, RESERVOIR	1	1						
1-1	1	772457-75101-1	TANK ASSY, RESERVOIR	1	1	1	1	1	1	1	S 1
		(A=M/#25501) (B=M/#25501)									
2	2	172175-73700	FILTER ASSY, RETURN	1	1	1	1	1	1	1	
3	3	172175-73710	ELEMENT, FILTER	1	1	1	1	1	1	1	
4	3	172141-73770	VALVE ASSY, BYPASS	1	1	1	1	1	1	1	
5	2	172146-73730	FILTER, SUCTION	1	1	1	1	1	1	1	
6	2	933152-02710	SPRING, CLUTCH	1	1	1	1	1	1	1	
7	2	124766-59050	CLIP, HOSE 12	1	1						Z
		(A=M/#25501) (B=M/#25501)									
9	3	172458-14351	RUBBER PLATE-B,FO	2	2	2	2	2	2	2	
10	3	172458-14361	RUBBER PLATE-C,FO	1	1	1	1	1	1	1	
11	3	172434-61170	TRIM	1	1	1	1	1	1	1	
12	3	172444-65610	SEAL, BONNET	1	1	1	1	1	1	1	
13	3	172458-75050	SEAL	1	1	1	1	1	1	1	W
		(A=M/#25501) (B=M/#25501)									
15	2	172455-75330	DRAIN PLIG 24	1	1	1	1	1	1	1	
16	2	172458-75350	COVER	1	1	1	1	1	1	1	2
17	2	172183-75410	FLANGE,SUCTION (ZN)	1	1	1	1	1	1	1	
17-1	2	172A46-75500	FRANGE, SUCTION	1	1	1	1	1	1	1	F 4
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ) (E=MZZZZZ) (F=MZZZZZ)									
18	2	172165-75450	PLATE (YELLOW:87)	1	1						Z
		(A=M/#25501) (B=M/#25501)									
19	2	172165-75460	GASKET	1	1						Z
		(A=M/#25501) (B=M/#25501)									
20	2	172165-75481	ELEMENT	1	1						Z
		(A=M/#25501) (B=M/#25501)									
21	2	172187-75510	HOSE	1	1						Z
		(A=M/#25501) (B=M/#25501)									
22	2	172447-75600	GAUGE ASSY	1	1	1	1	1	1	1	
23	3	172455-75290	BOLT M10	2	2	2	2	2	2	2	
24	3	172455-75300	O-RING	4	4	4	4	4	4	4	
27	2	172116-75850	PLUG, OIL FEED	1	1						
27-1	2	172446-75250	CAP, RESERVER	1	1	1	1	1	1	1	S
		(A=M/#25501) (B=M/#25501)									
28	2	22217-050000	WASHER, SPRING 5	3	3						Z
		(A=M/#25501) (B=M/#25501)									
29	2	24311-000380	O-RING, 1AP38.0	1	1						Z
		(A=M/#25501) (B=M/#25501)									
30	2	24321-001050	O-RING, 1AG105.0	2	2	2	2	2	2	2	
31	2	24341-000300	O-RING, 1AS30.0	1	1	1	1	1	1	1	
32	2	26013-080162	BOLT, M8X 16	4	4	4	4	4	4	4	
32-1	2	26014-080252	BOLT, M8X 25	4	4	4	4	4	4	4	S
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ) (E=MZZZZZ) (F=MZZZZZ)									
33	2	26013-080202	BOLT, M8X 20	3	3	3	3	3	3	3	
34	2	26116-050102	BOLT, M5X 10 PLATED	3	3						Z
		(A=M/#25501) (B=M/#25501)									
35	1	22137-140000	WASHER, 14	4	4	4	4	4	4	4	
36	1	22217-140000	WASHER, SPRING 14	4	4	4	4	4	4	4	
37	1	26116-140402	BOLT, M14X 40 PLATED	4	4	4	4	4	4	4	
38A	1	172472-03120	LABEL, VIO27	1	1	1	1	1	1	1	3



Fig.92. HYD.OIL TANK

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38B	1	172463-03330	LABEL,COVER	1	1	1	1	1	1	3	
38C	1	172463-03290	LABEL,HYD.OIL US	1	1	1	1	1	1	3	

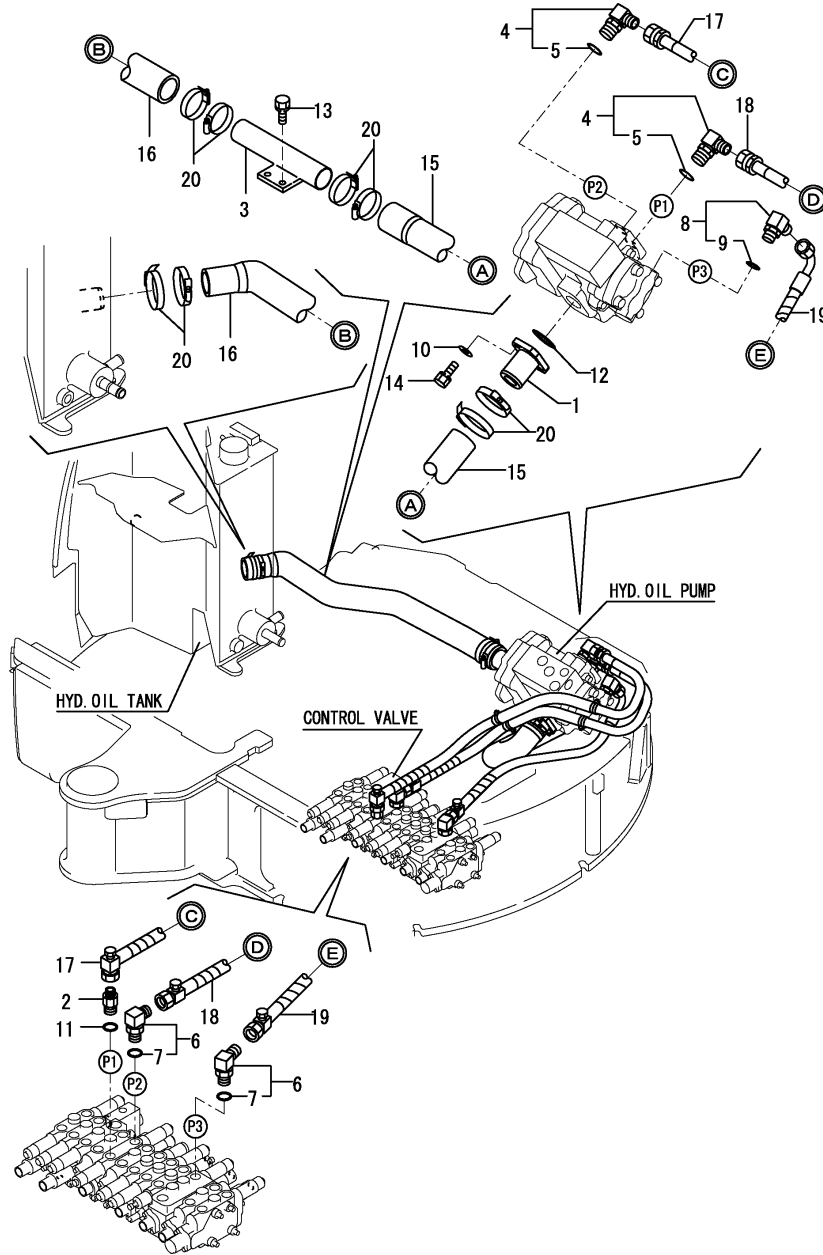
Remarks

- (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
REF.NO.38A,38B
- (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
REF.NO.38C
- (3)LABELS ARE NOT ILLUSTRATED.
- (4)T=REF.NO.17 6MM, NO.17-1 12MM.  
INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.32-1.

Fig.93. HYD.OIL PIPING(TANK-PUMP-CONTROL VALVE)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

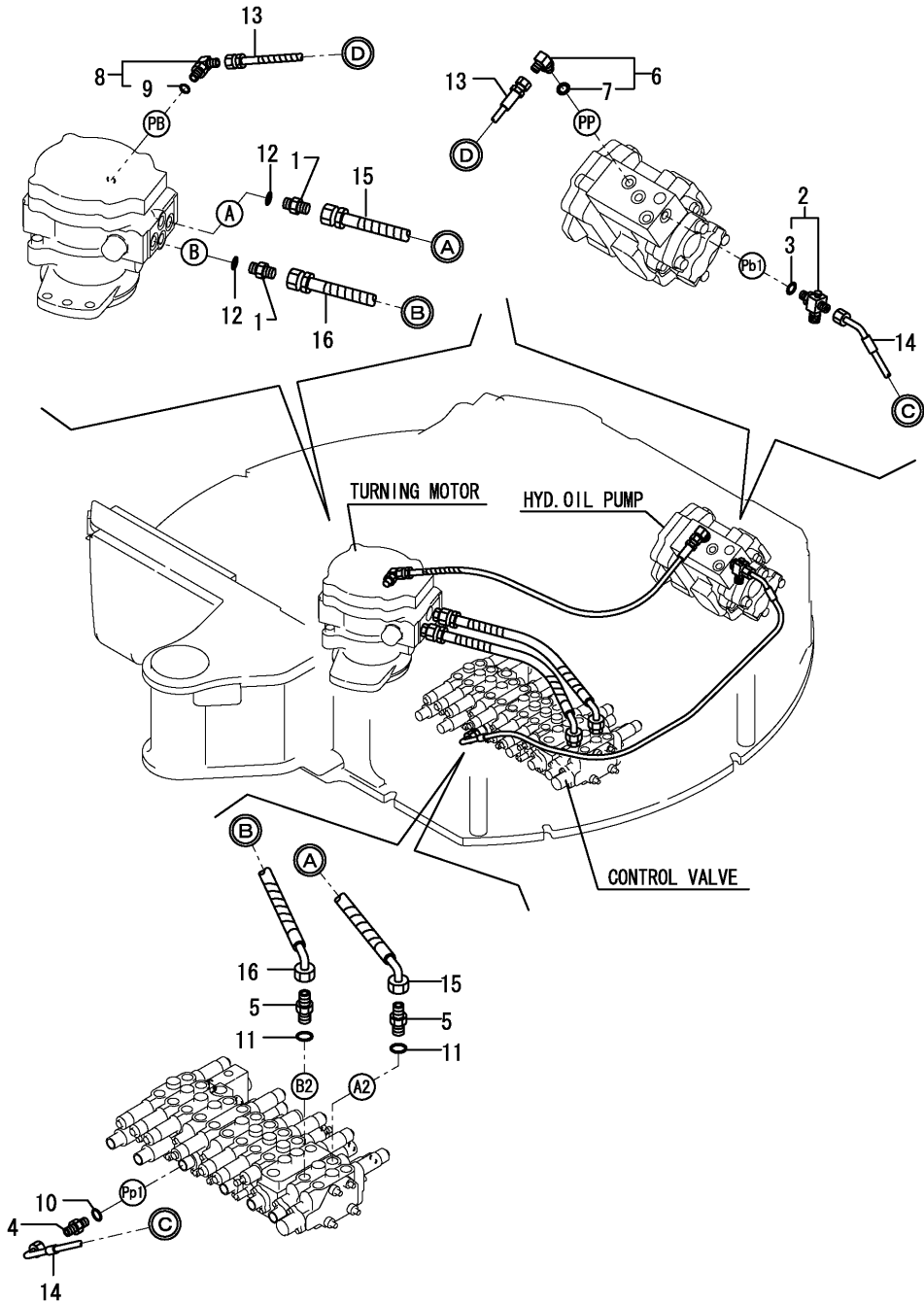


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172422-76100	FLANGE	1	1	1	1	1	1		
2	1	172458-76170	CONNECTOR	1	1	1	1	1	1		
3	1	172444-76400	TUBE ASSY, SUCTION	1	1	1	1	1	1		
4	1	172645-76570	CONNECTOR ASSY	2	2	2	2	2	2		
5	2	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
6	1	172645-76570	CONNECTOR ASSY	2	2	2	2	2	2		
7	2	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
8	1	172141-76900	CONNECTOR ASSY	1	1	1	1	1	1		
9	2	24315-000180	O-RING, 1BP18.0	1	1	1	1	1	1		
10	1	22117-100000	WASHER, 10	4	4	4	4	4	4		
11	1	24315-000180	O-RING, 1BP18.0	1	1						M
11-1	1	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
12	1	24321-000400	O-RING, 1AG40.0	1	1	1	1	1	1		
13	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
14	1	26013-100302	BOLT, M10X 30	4	4	4	4	4	4		
15	1	172458-78091	HOSE 39.5 X 52.5	1	1	1	1	1	1		
16	1	172458-78100	HOSE 42.5 X 55.2	1	1	1	1	1	1		
17	1	172457-78110	HOSE H208BZ084S	1	1	1	1	1	1		
18	1	172457-78121	HOSE H208BB080S	1	1	1	1	1	1		
19	1	172458-78130	HOSE H208CZ062S	1	1	1	1	1	1		
20	1	23000-060000	CLAMP, 60	8	8						
20-1	1	23001-060000	CLAMP, HOSE 60	8	8	8	8	8	8		N

(A)=M/#21087 (B)=M/#21087

Remarks  
 (M)MISPRINT.

Fig.94. HYD.OIL PIPING(PUMP,CONTROL VALVE-TURNING MOTOR)



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

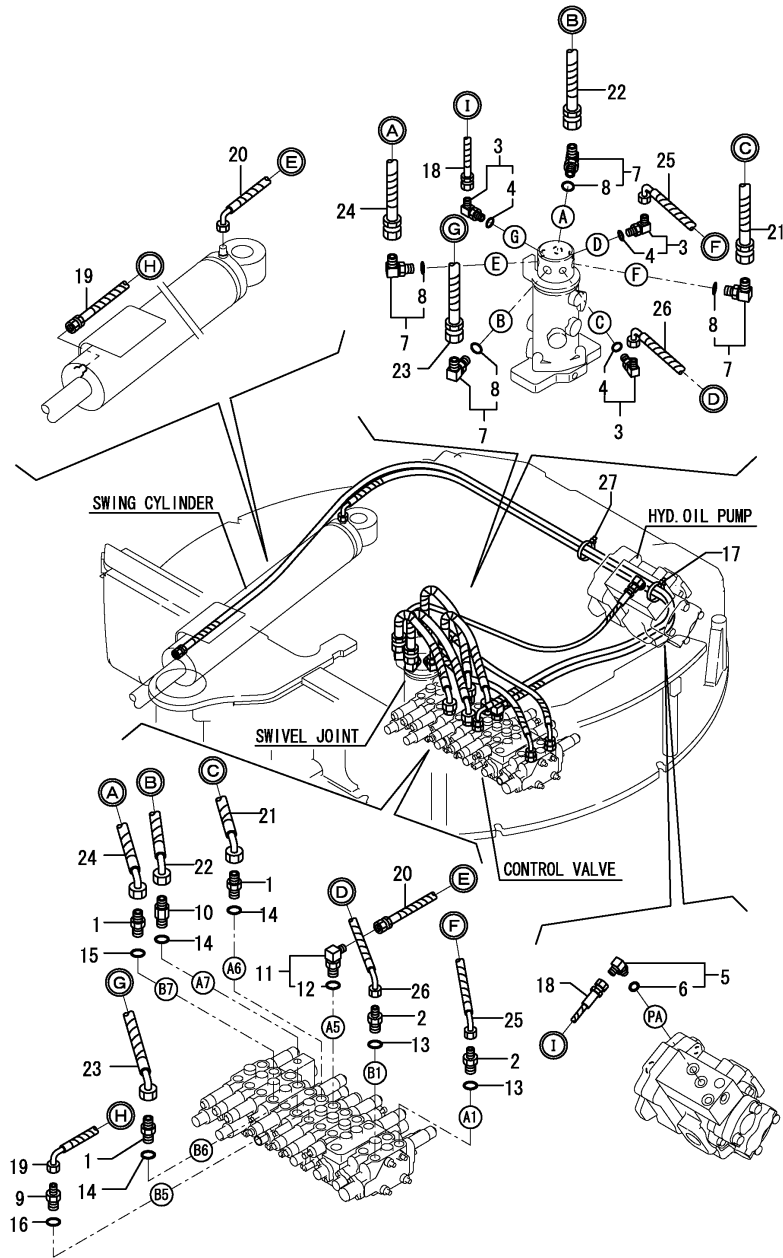
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

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	2		
2	1	172457-76100	TEE, ADJUSTABLE	1	1	1	1	1	1		
3	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
4	1	172123-76121	ADAPTER	1	1	1	1	1	1		
5	1	172162-76131	ADAPTER	2	2	2	2	2	2		
6	1	172141-76180	CONNECTOR ASSY	1	1	1	1	1	1		
7	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
8	1	172141-76180	CONNECTOR ASSY	1	1	1	1	1	1		
9	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
10	1	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
11	1	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
12	1	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
13	1	172457-78130	HOSE F403BB080S	1	1	1	1	1	1		
14	1	172457-78150	HOSE F403CE097	1	1	1	1	1	1		
15	1	172458-78270	HOSE F206BC052S	1	1	1	1	1	1		
16	1	172458-78270	HOSE F206BC052S	1	1	1	1	1	1		

Fig.95. HYD.OIL PIPING(CONTROL VALVE-SWIVEL JOINT,SWING CYLINDER)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

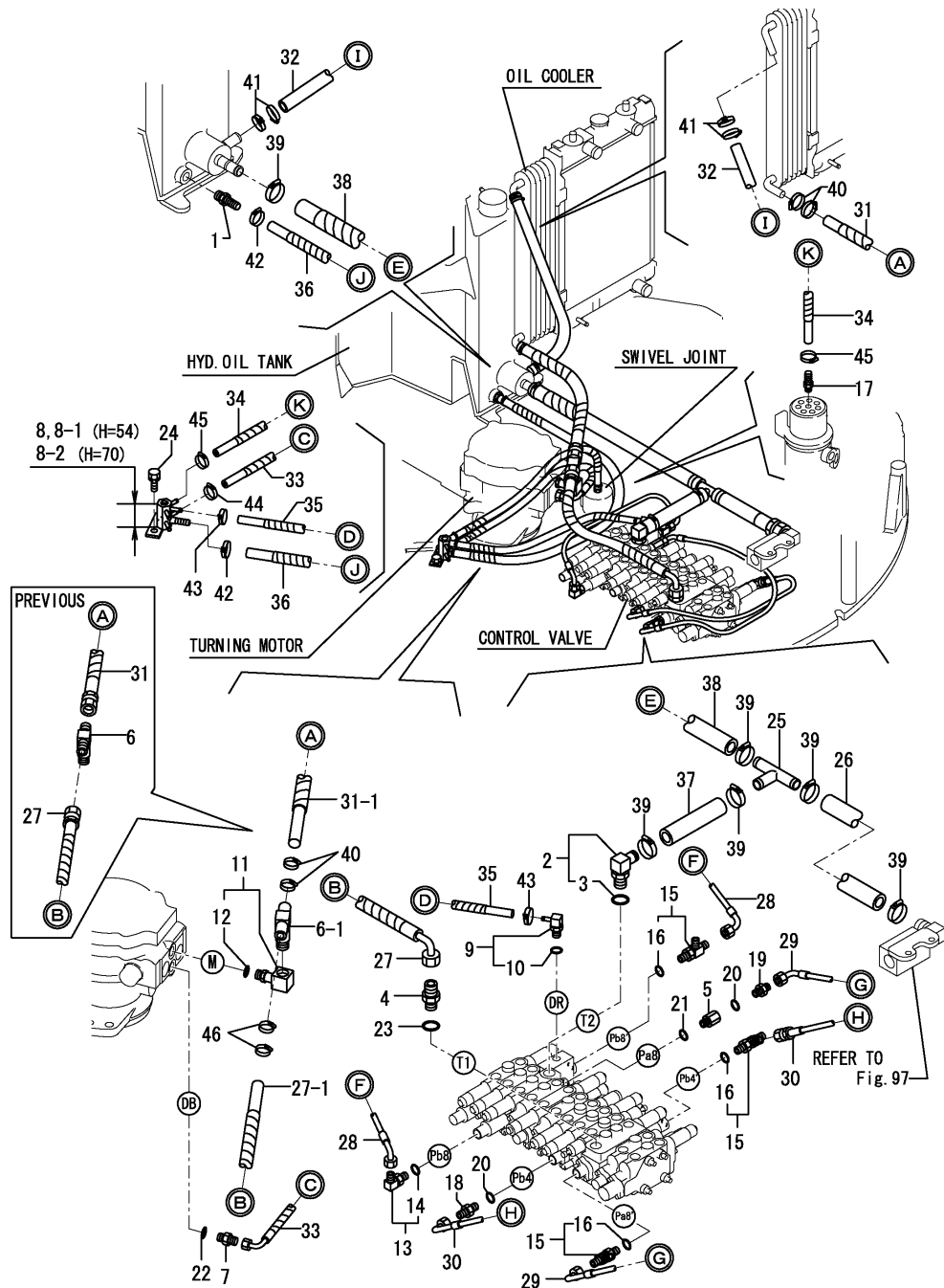
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172162-76131	ADAPTER	3	3	3	3	3	3		
2	1	172422-76130	CONNECTOR	2	2	2	2	2	2		
3	1	172141-76180	CONNECTOR ASSY	3	3	3	3	3	3		
4	2	24315-000110	O-RING, 1BP11.0	3	3	3	3	3	3		
5	1	172141-76180	CONNECTOR ASSY	1	1	1	1	1	1		
6	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
7	1	172142-76181	JOINT ASSY	4	4	4	4	4	4		
8	2	24315-000140	O-RING, 1BP14.0	4	4	4	4	4	4		
9	1	172147-76260	CONNECTOR, 3/8X1/4	1	1	1	1	1	1		
10	1	172116-76381	ADAPTER, 64	1	1	1	1	1	1		
11	1	172141-76920	CONNECTOR ASSY	1	1	1	1	1	1		
12	2	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
13	1	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
14	1	24315-000140	O-RING, 1BP14.0	3	3	3	3	3	3		
15	1	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
16	1	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
17	1	172126-11510	BAND 300	1	1	1	1	1	1		
18	1	172457-78140	HOSE F403BB078S	1	1	1	1	1	1		
19	1	172458-78220	HOSE F204BC241S	1	1	1	1	1	1		
20	1	172458-78230	HOSE F204BC183S	1	1	1	1	1	1		
21	1	172458-78270	HOSE F206BC052S	1	1	1	1	1	1		
22	1	172458-78270	HOSE F206BC052S	1	1	1	1	1	1		
23	1	172458-78270	HOSE F206BC052S	1	1	1	1	1	1		
24	1	172458-78270	HOSE F206BC052S	1	1	1	1	1	1		
25	1	172422-78290	HOSE F204BC072S	1	1	1	1	1	1		
26	1	172422-78290	HOSE F204BC072S	1	1	1	1	1	1		
27	1	172122-79930	CLAMP, HOSE	2	2						M
27-1	1	172126-11510	BAND 300	1	1	1	1	1	1		

Remarks  
 (M)MISPRINT.

Fig.96. HYD.OIL PIPING(RETURN)



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

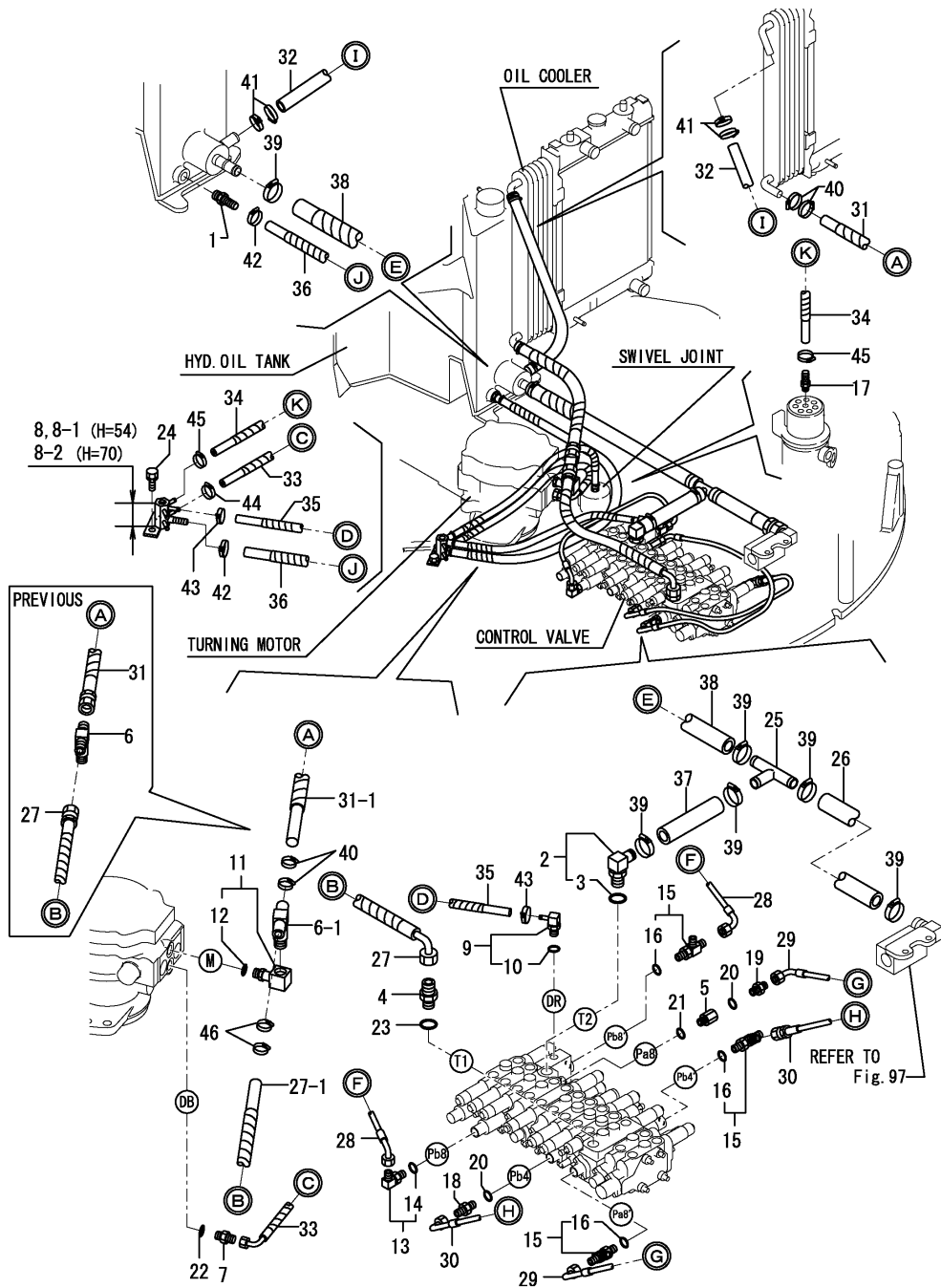
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-76110	NIPPLE	1	1	1	1	1	1		
2	1	172164-76131	ELBOW	1	1	1	1	1	1		
3	2	24315-000180	O-RING, 1BP18.0	1	1	1	1	1	1		
4	1	172458-76130	CONNECTOR	1	1	1	1	1	1		
5	1	172422-76140	CONNECTOR	1	1	1	1	1	1		
6	1	172458-76140	TEE, PT1/2-PF1/2	1	1						
6-1	1	172458-76230	CONNECTOR	1	1	1	1	1	1		S
(A=M/#25501) (B=M/#25501)											
7	1	172157-76150	CONNECTOR	1	1	1	1	1	1		
8	1	172445-76150	BLOCK, DRAIN	1	1						
8-1	1	172445-76151	BLOCK, DRAIN	1	1						N
(A=M/#25585) (B=M/#25585)											
8-2	1	172445-76152	BLOCK, DRAIN	1	1	1	1	1	1		S
(A=M/#25585) (B=M/#25585)											
9	1	172458-76150	NIPPLE, ELBOW	1	1	1	1	1	1		
10	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
11	1	172458-76160	ELBOW	1	1	1	1	1	1		
12	2	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
13	1	172141-76180	CONNECTOR ASSY	1	1	1	1	1	1		
14	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
15	1	172162-76180	JOINT ASSY, 3-1/4	3	3	3	3	3	3		
16	2	24315-000110	O-RING, 1BP11.0	3	3	3	3	3	3		
17	1	172141-76220	NIPPLE	1	1	1	1	1	1		
18	1	172164-76330	JOINT, PF1/4-0.7	1	1	1	1	1	1		
19	1	172164-76330	JOINT, PF1/4-0.7	1	1	1	1	1	1		
20	1	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
21	1	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
22	1	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
23	1	24315-000180	O-RING, 1BP18.0	1	1	1	1	1	1		
24	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
25	1	172472-76110	JOINT	1	1	1	1	1	1		
26	1	172447-75320	HOSE, DRAIN	1	1	1	1	1	1		
27	1	172458-78260	HOSE G608BC045S	1	1						
27-1	1	172458-78261	HOSE G608CY045S	1	1	1	1	1	1		S
(A=M/#25501) (B=M/#25501)											
28	1	172458-78290	HOSE F403CC042	1	1	1	1	1	1		
29	1	172458-78300	HOSE F403CC074	1	1	1	1	1	1		
30	1	172458-78310	HOSE F403BC053	1	1	1	1	1	1		
31	1	172458-78320	HOSE G608BY055S	1	1						
31-1	1	172458-78321	HOSE G608BY055S	1	1	1	1	1	1		S
(A=M/#25501) (B=M/#25501)											
32	1	172458-78510	HOSE 15.9 X 23.5	1	1	1	1	1	1		
33	1	172458-78520	HOSE G604CY060S	1	1	1	1	1	1		
34	1	172458-78530	HOSE G604YY054S	1	1	1	1	1	1		
35	1	172458-78540	HOSE G604YY047S	1	1	1	1	1	1		
36	1	172458-78550	HOSE G606YY093S	1	1	1	1	1	1		
37	1	172472-78560	HOSE G612YY013	1	1	1	1	1	1		
38	1	172472-78570	HOSE G612YY052S	1	1	1	1	1	1		
39	1	23000-035000	CLAMP, 35	6	6						
39-1	1	23001-035000	CLAMP, HOSE 35	6	6	6	6	6	6		N
(A=M/#21087) (B=M/#21087)											

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  
 ++ CONTINUE ++  
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Fig.96. HYD.OIL PIPING(RETURN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

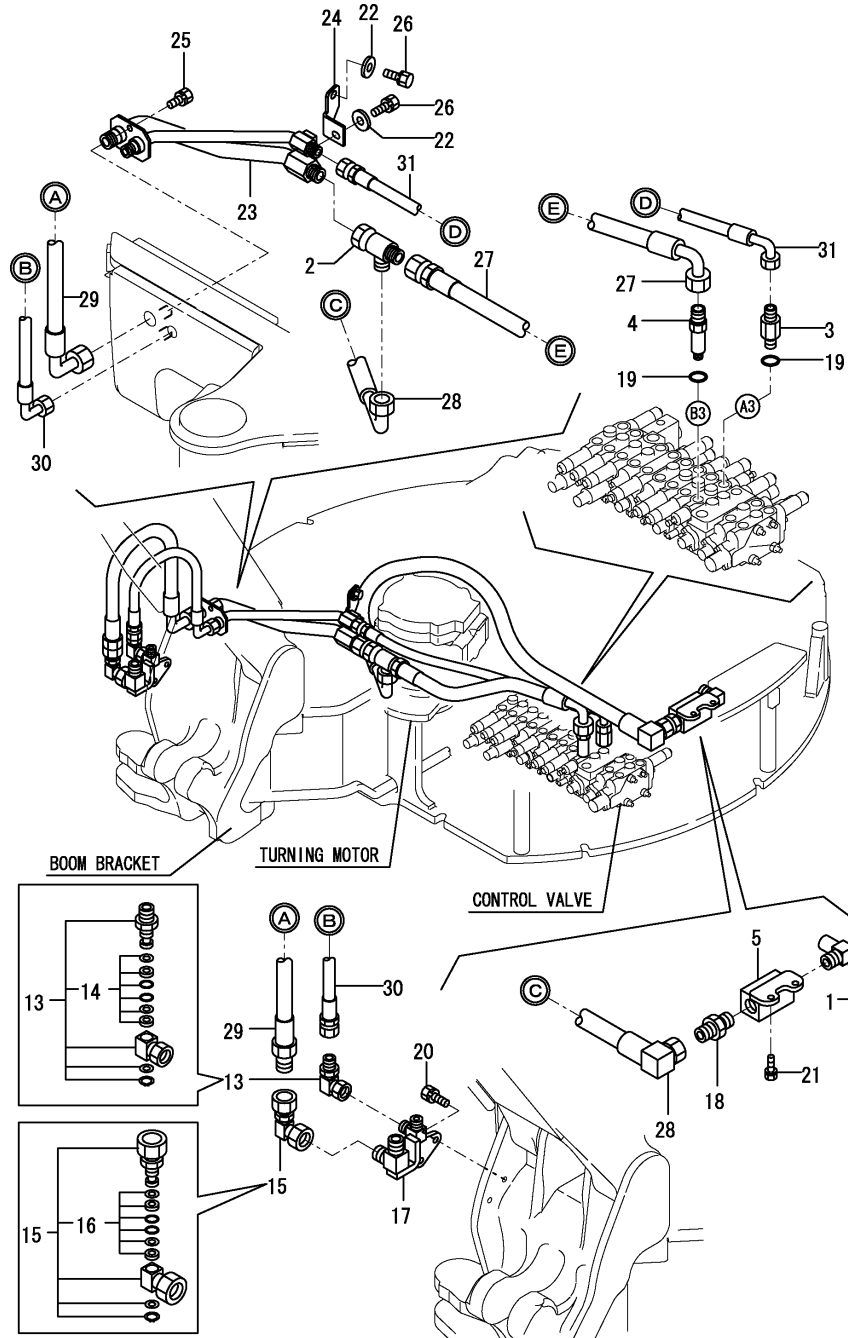


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40	1	23001-016000	CLAMP, HOSE 16	2	2						
40-1	1	23001-016000	CLAMP, HOSE 16	4	4						K
		(A=M/#25501) (B=M/#25501)									
40-2	1	23001-022000	CLAMP, HOSE 22	4	4	4	4	4	4		R
		(A=M/#25723) (B=M/#25723)									
41	1	23001-016000	CLAMP, HOSE 16	4	4						
41-1	1	23001-022000	CLAMP, HOSE 22	4	4	4	4	4	4		R
		(A=M/E25723) (B=M/#25723)									
42	1	23001-016000	CLAMP, HOSE 16	2	2	2	2	2	2		
43	1	23010-014000	CLAMP, 14	2	2	2	2	2	2		
44	1	23010-014000	CLAMP, 14	1	1	1	1	1	1		
45	1	23010-014000	CLAMP, 14	2	2	2	2	2	2		
46	1	23001-025000	CLAMP, HOSE 25	2	2						W
		(A=M/#25501) (B=M/#25501)									
46-1	1	23001-022000	CLAMP, HOSE 22	2	2	2	2	2	2		R
		(A=M/#25723) (B=M/#25723)									

Fig.97. HYD.OIL PIPING(P.T.O. : FRAME END)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

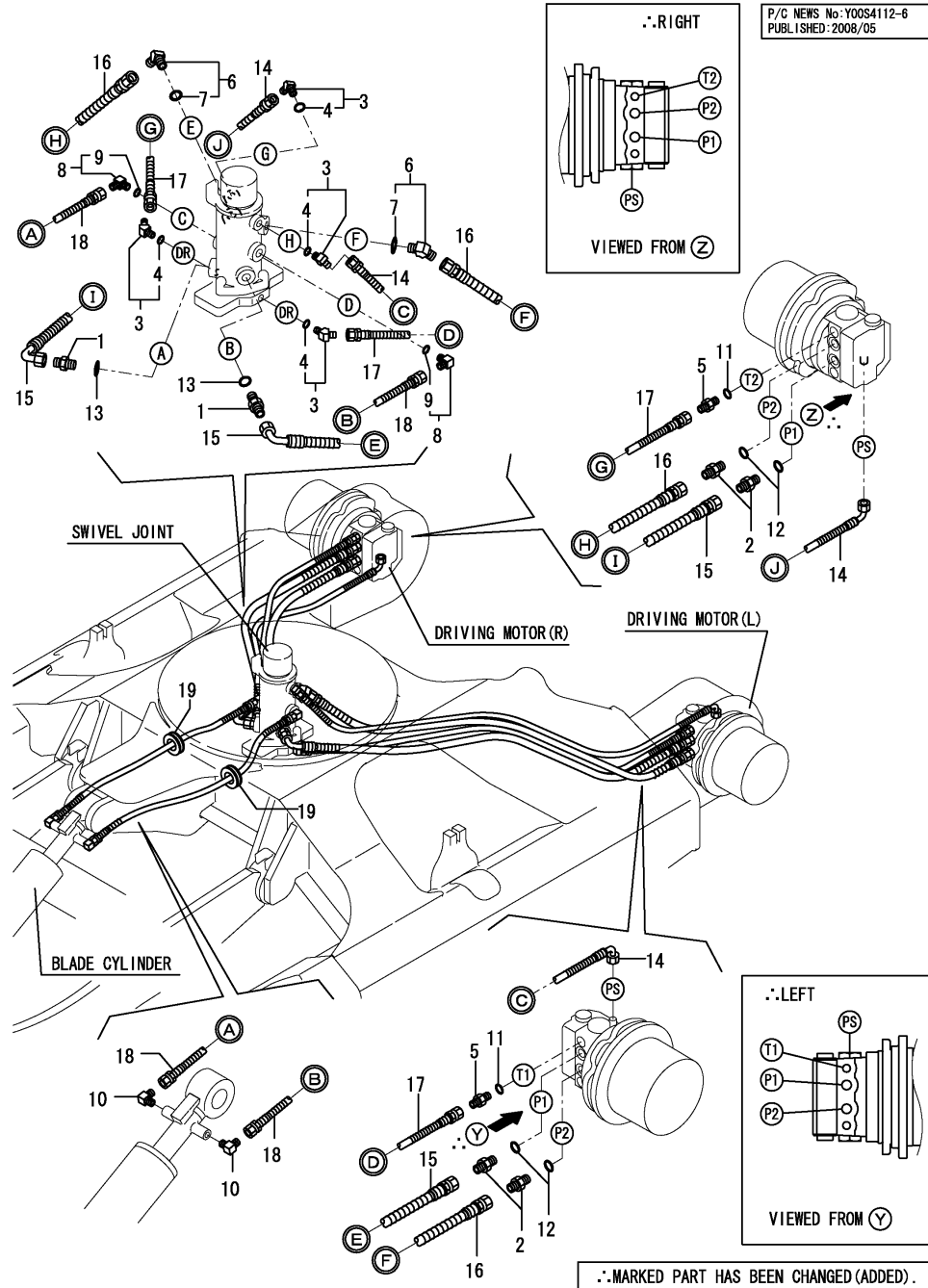


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172467-76120	ELBOW	1	1	1	1	1	1		
2	1	172989-76120	CONNECTOR	1	1	1	1	1	1		
3	1	172422-76180	CONNECTOR, PF3/8X1/2	1	1	1	1	1	1		
4	1	172422-76190	CONNECTOR, PF3/8X3/4	1	1						
4-1	1	172422-76191	CONNECTOR, PF3/8X3/4	1	1	1	1	1	1		N
				(A=M/#25746)	(B=M/#25746)						
5	1	172472-76200	VALVE ASSY, STOP	1	1	1	1	1	1		
13	1	172142-76270	JOINT, SWIVEL 1/2	1	1	1	1	1	1		
14	2	172142-77040	SEAL SET	1	1	1	1	1	1		
15	1	172142-76280	JOINT, SWIVEL	1	1	1	1	1	1		
16	2	172142-77050	SEAL SET	1	1	1	1	1	1		
17	1	172458-76700	JOINT ASSY, PTO	1	1	1	1	1	1		
18	1	23391-060000	JOINT, RGI-3/4	1	1	1	1	1	1		
19	1	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
20	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		
21	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		
22	1	172110-36010	COLLAR	2	2	2	2	2	2		
23	1	172458-76800	TUBE ASSY	1	1	1	1	1	1		
24	1	172458-76880	PLATE	1	1	1	1	1	1		
25	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2		
26	1	26013-100252	BOLT, M10X 25	2	2	2	2	2	2		
27	1	172472-78530	HOSE H212BC054	1	1	1	1	1	1		
28	1	172472-78540	HOSE H212CV118S	1	1	1	1	1	1		
29	1	172458-78941	HOSE G212AC092K	1	1	1	1	1	1		
30	1	172458-78951	HOSE H208BC079K	1	1	1	1	1	1		
31	1	172458-78970	HOSE H208CD095	1	1	1	1	1	1		

Fig.98. HYD.OIL PIPING(TRACK FRAME)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



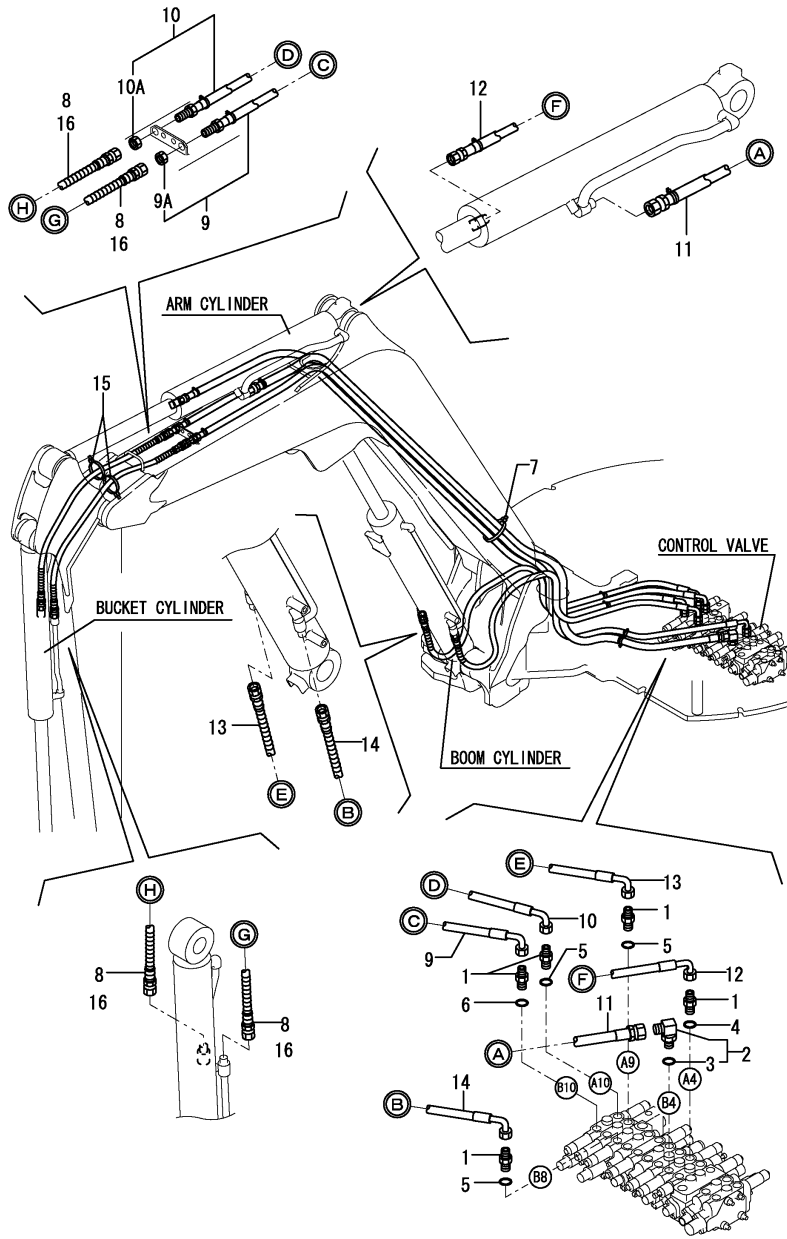
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	2	2	2	2	2	2		
2	1	172730-75141	ADAPTER	4	4	4	4	4	4		
3	1	172173-76101	CONNECTOR ASSY	4	4	4	4	4	4		
4	2	24315-000110	O-RING, 1BP11.0	4	4	4	4	4	4		
5	1	172123-76120	ADAPTER, PF1/4	2	2						
5-1	1	172123-76121	ADAPTER	2	2	2	2	2	2		R
(A=M/#25692) (B=M/#25692)											
6	1	172644-76161	ELBOW, ADJUST	2	2	2	2	2	2		
7	2	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
8	1	172141-76180	CONNECTOR ASSY	2	2	2	2	2	2		
9	2	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
10	1	23393-020000	JOINT, 90RGI-1/4	2	2	2	2	2	2		
11	1	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
12	1	24315-000140	O-RING, 1BP14.0	4	4	4	4	4	4		
13	1	24315-000140	O-RING, 1BP14.0	2	2	2	2	2	2		
14	1	172457-78210	HOSE F204BC108W	2	2	2	2	2	2		
15	1	172457-78220	HOSE F206BC098W	2	2	2	2	2	2		
16	1	172457-78230	HOSE F206BB100W	2	2	2	2	2	2		
17	1	172457-78240	HOSE G704BB095W	2	2	2	2	2	2		
18	1	172422-78390	HOSE F204BB068W	2	2	2	2	2	2		
19	1	172422-78760	GROMMET	2	2						Z
(A=M/#25501) (B=M/#25501)											



Fig.99. HYD.OIL PIPING(BOOM)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



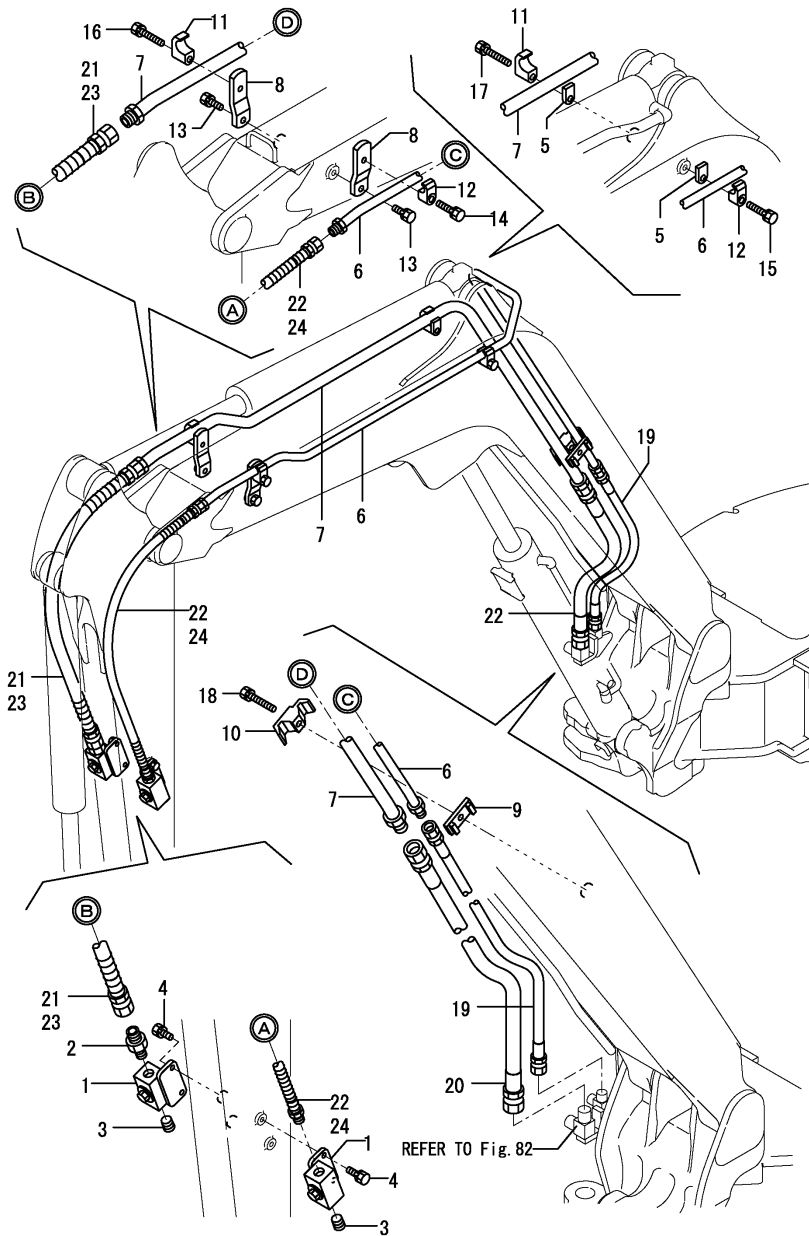
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75141	ADAPTER	5	5	5	5	5	5		
2	1	172645-76570	CONNECTOR ASSY	1	1	1	1	1	1		
3	2	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
4	1	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
5	1	24315-000140	O-RING, 1BP14.0	3	3	3	3	3	3		
6	1	24315-000140	O-RING, 1BP14.0	1	1	1	1	1	1		
7	1	172183-16560	CLIP, HOSE	1	1	1	1	1	1		
8	1	172957-78150	HOSE H206BB070W	2	2	2	2	2	2		1
9	1	172457-78160	HOSE H206CX283K	1	1	1	1	1	1		
9A	2	172455-79770	NUT, LOCK	1	1	1	1	1	1		W
		(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX) (E=M/#XXXXX) (F=M/#XXXXX)									
10	1	172457-78170	HOSE H206CX292K	1	1	1	1	1	1		
10A	2	172455-79770	NUT, LOCK	1	1	1	1	1	1		W
		(A=M/#XXXXX) (B=M/#XXXXX) (C=M/#XXXXX) (D=M/#XXXXX) (E=M/#XXXXX) (F=M/#XXXXX)									
11	1	172457-78180	HOSE H208BB280K	1	1	1	1	1	1		
12	1	172457-78190	HOSE H206BC310K	1	1	1	1	1	1		
13	1	172458-78200	HOSE H206BC136W	1	1	1	1	1	1		
14	1	172458-78210	HOSE H206BC130W	1	1	1	1	1	1		
15	1	172122-79930	CLAMP, HOSE	2	2	2	2	2	2		1
16	1	172457-78200	HOSE H206BB072W	2	2	2	2	2	2		2

Remarks  
 (1)QUICK COUPLER SPEC.  
 (2)STANDARD SPEC.

Fig.100. HYD.OIL PIPING(P.T.O. : ARM END)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

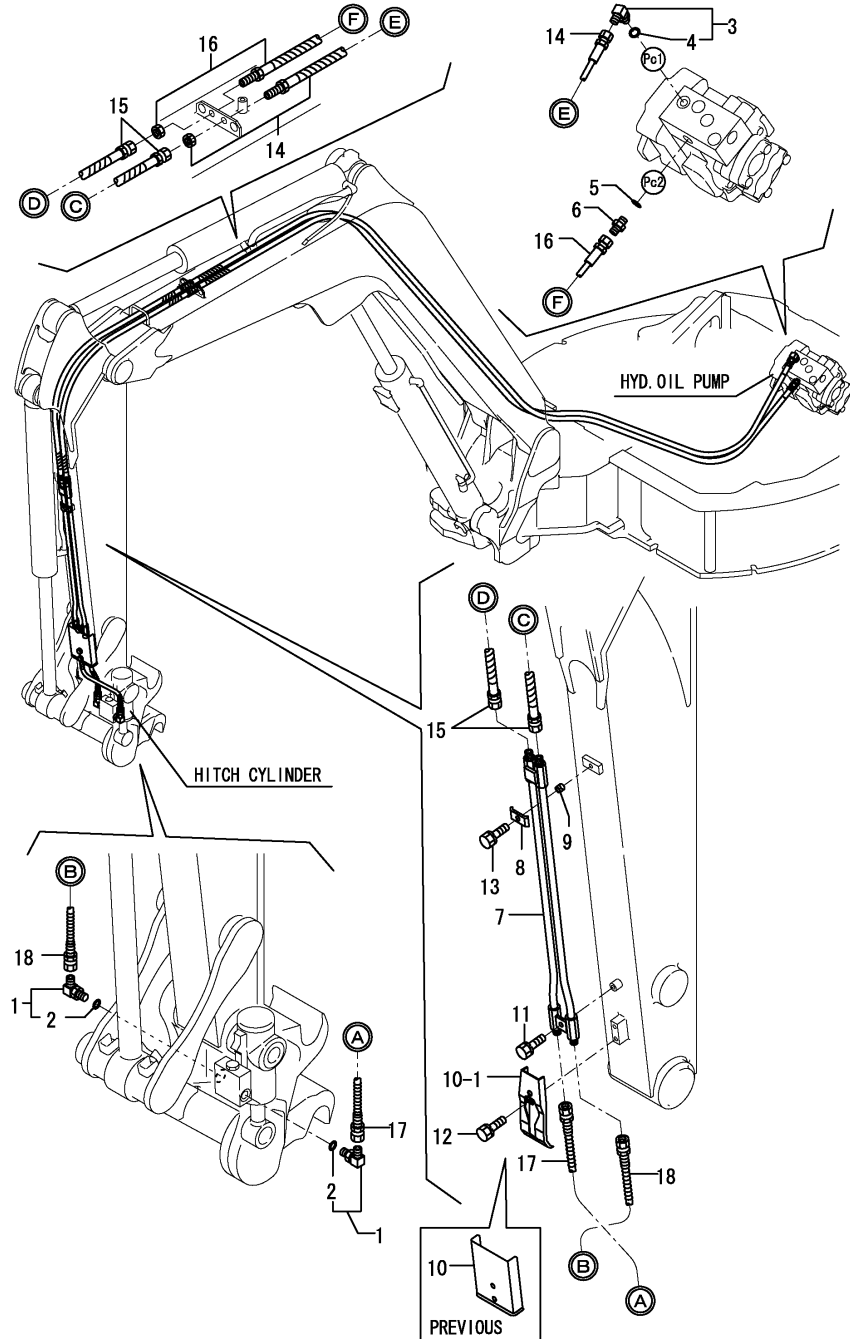
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-74820	STOP VALVE (97)	2	2	2	2	2	2		
2	1	172633-76160	ADAPTER	1	1	1	1	1	1		
3	1	23871-040000	PLUG, R04	2	2	2	2	2	2		
4	1	26013-100252	BOLT, M10X 25	4	4	4	4	4	4		
5	1	172183-76250-1	PLATE (YELLOW:87)	2	2	2	2	2	2		
6	1	172457-76601-1	TUBE, PTO	1	1	1	1	1	1		
7	1	172457-76650-1	TUBE, PTO	1	1	1	1	1	1		
8	1	172458-76680-1	STAY	2	2	2	2	2	2		
9	1	172458-76750-1	SPACER, PIPE	1	1	1	1	1	1		
10	1	172125-76900	CLAMP	1	1	1	1	1	1		
11	1	172142-76940	CLAMP	2	2	2	2	2	2		
12	1	172142-76950	CLAMP	2	2	2	2	2	2		
13	1	26013-120302	BOLT, M12X 30	2	2	2	2	2	2		
14	1	26013-120402	BOLT, M12X 40	1	1	1	1	1	1		
15	1	26013-120502	BOLT, M12X 50	1	1	1	1	1	1		
16	1	26013-120552	BOLT, M12X 55	1	1	1	1	1	1		
17	1	26013-120652	BOLT, M12X 65	1	1	1	1	1	1		
18	1	26013-120652	BOLT, M12X 65	1	1	1	1	1	1		
19	1	172472-78510	HOSE H208BB068K	1	1	1	1	1	1		
20	1	172472-78520	HOSE H212BB065K	1	1	1	1	1	1		
21	1	172457-78900	HOSE G212BB083W	1	1	1	1	1	1		2
22	1	172457-78910	HOSE H208AB081W	1	1	1	1	1	1		2
23	1	172957-78900	HOSE G212BB077W	1	1	1	1	1	1		1
24	1	172957-78910	HOSE H208AB077W	1	1	1	1	1	1		1

Remarks  
 (1)QUICK COUPLER SPEC.  
 (2)STANDARD SPEC.

Fig.101. HYD.OIL PIPING(QUICK COUPLER)



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

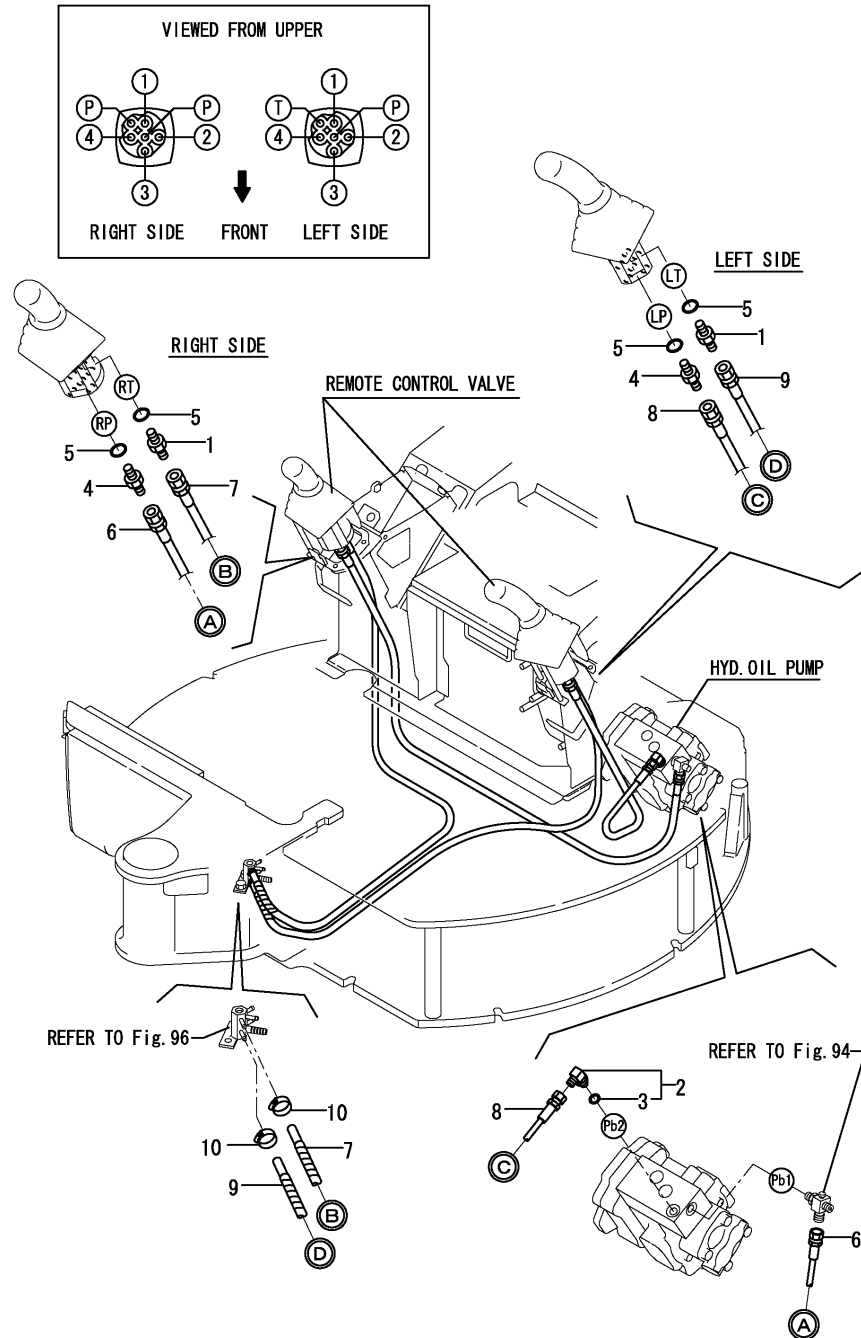
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-76130	ELBOW	2	2	2	2	2	2		
2	2	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
3	1	172141-76180	CONNECTOR ASSY	1	1	1	1	1	1		
4	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
5	1	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
6	1	172123-76121	ADAPTER	1	1	1	1	1	1		
7	1	172958-76101-1	TUBE, HITCH	1	1	1	1	1	1		
8	1	172110-76170-1	PLATE (YELLOW:87)	1	1	1	1	1	1		
9	1	172137-76580	COLLAR	1	1	1	1	1	1		
10	1	172958-81902-1	COVER, ARM	1	1						
10-1	1	172958-81903-1	COVER, ARM	1	1	1	1	1	1		N
		(A=M/#25585) (B=M/#25585)									
10-2	1	172958-81904-1	COVER, ARM	1	1	1	1	1	1		N
		(A=MZZZZZ) (B=MZZZZZ) (C=MZZZZZ) (D=MZZZZZ) (E=MZZZZZ) (F=MZZZZZ)									
11	1	26013-080162	BOLT, M8X 16	1	1	1	1	1	1		
12	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
13	1	26013-080252	BOLT, M8X 25	1	1	1	1	1	1		
14	1	172957-78100	HOSE G205BX365K	1	1	1	1	1	1		
15	1	172957-78111	HOSE H204BB075K	2	2	2	2	2	2		
16	1	172957-78130	HOSE G205BX365K	1	1	1	1	1	1		
17	1	172958-78200	HOSE F102BB050W	1	1	1	1	1	1		
18	1	172958-78210	HOSE F102BB052W	1	1	1	1	1	1		

Fig.102. CONTROL PIPING(RETURN)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

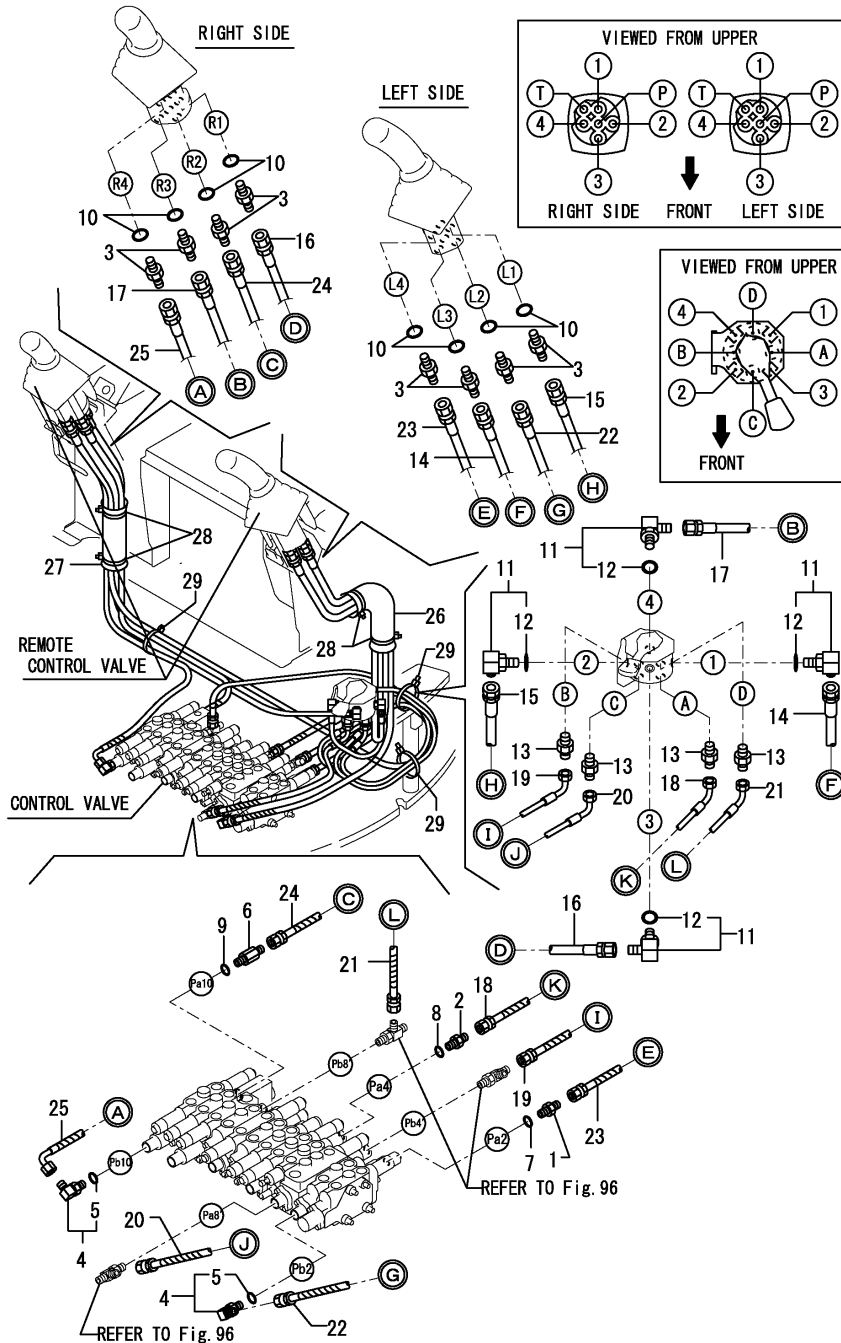


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	2	2	2	2	2	2		
2	1	172141-76180	CONNECTOR ASSY	1	1	1	1	1	1		
3	2	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
4	1	172455-76220	CONNECTOR	2	2	2	2	2	2		
5	1	24315-000110	O-RING, 1BP11.0	4	4	4	4	4	4		
6	1	172472-78220	HOSE F403BB135S	1	1	1	1	1	1		
7	1	172472-78230	HOSE G804BY148S	1	1	1	1	1	1		
8	1	172472-78240	HOSE F403BB133S	1	1	1	1	1	1		
9	1	172472-78250	HOSE G804BY183S	1	1	1	1	1	1		
10	1	23000-013000	CLAMP, 13	2	2	2	2	2	2		

Fig.103. CONTROL PIPING(REMOTE CONTROL V.-2WAY V.-CONTROL V.)

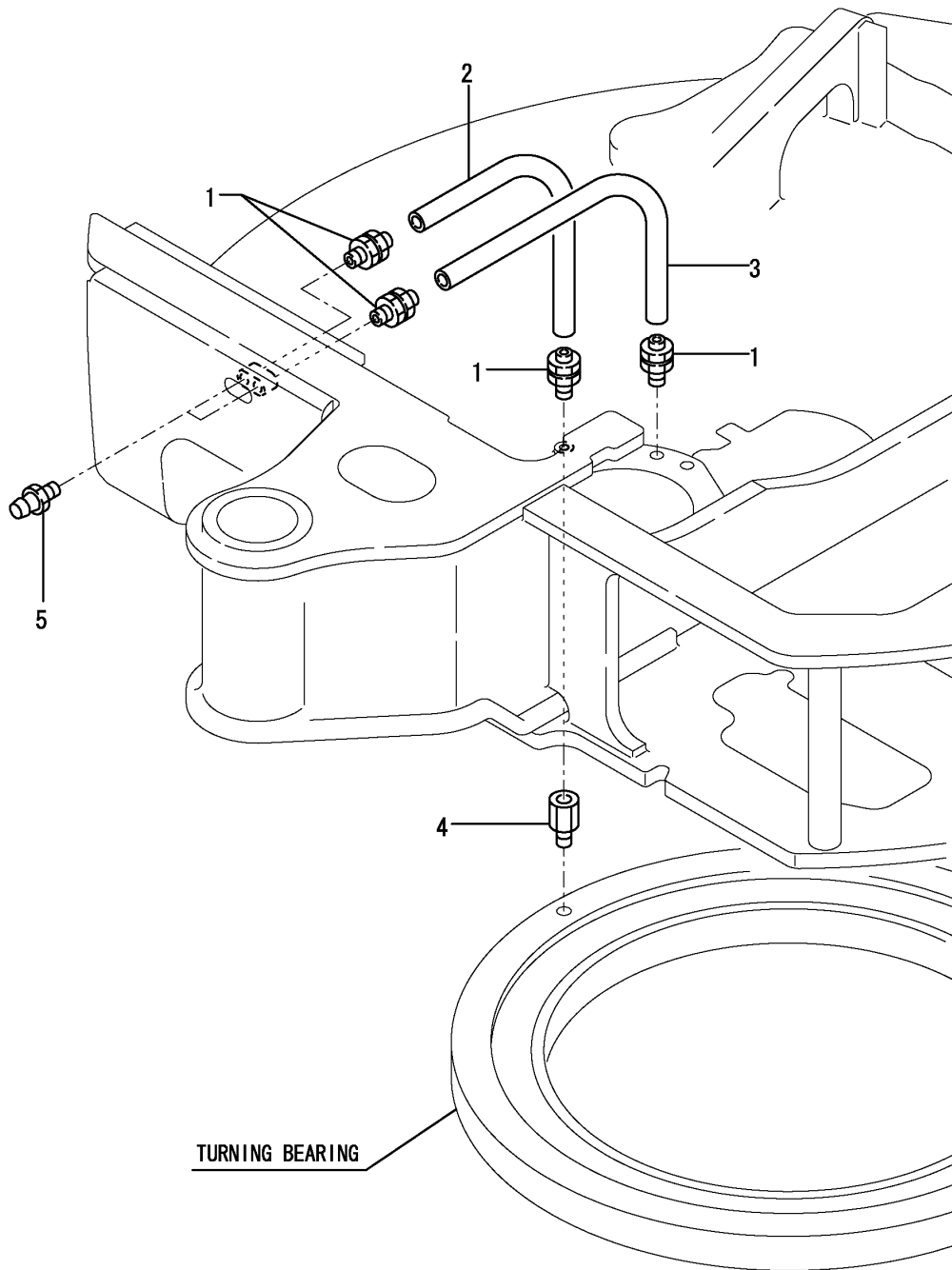
(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76121	ADAPTER	1	1	1	1	1	1		
2	1	172123-76121	ADAPTER	1	1	1	1	1	1		
3	1	172123-76121	ADAPTER	8	8	8	8	8	8		
4	1	172141-76180	CONNECTOR ASSY	2	2	2	2	2	2		
5	2	24315-000110	O-RING, 1BP11.0	2	2	2	2	2	2		
6	1	172183-76200	CONNECTOR	1	1	1	1	1	1		
7	1	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
8	1	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
9	1	24315-000110	O-RING, 1BP11.0	1	1	1	1	1	1		
10	1	24315-000110	O-RING, 1BP11.0	8	8	8	8	8	8		
11	1	172141-76180	CONNECTOR ASSY	4	4	4	4	4	4		
12	2	24315-000110	O-RING, 1BP11.0	4	4	4	4	4	4		
13	1	23391-020000	JOINT, RGI-1/4	4	4	4	4	4	4		
14	1	172472-78100	HOSE F403BB135S	1	1	1	1	1	1		
15	1	172472-78110	HOSE F403BB157S	1	1	1	1	1	1		
16	1	172472-78120	HOSE F403BB141S	1	1	1	1	1	1		
17	1	172472-78130	HOSE F403BB182S	1	1	1	1	1	1		
18	1	172472-78140	HOSE F403BC088S	1	1	1	1	1	1		
19	1	172472-78150	HOSE F403BC088S	1	1	1	1	1	1		
20	1	172472-78160	HOSE F403BC065S	1	1	1	1	1	1		
21	1	172472-78170	HOSE F403BC109S	1	1	1	1	1	1		
22	1	172472-78180	HOSE F403BB180S	1	1	1	1	1	1		
23	1	172472-78190	HOSE F403BB138S	1	1	1	1	1	1		
24	1	172472-78200	HOSE F403BB115S	1	1	1	1	1	1		
25	1	172472-78210	HOSE F403BC145S	1	1	1	1	1	1		
26	1	172472-78800	SPONGE, HOSE	1	1	1	1	1	1		
27	1	172165-79810	SPONGE, HOSE	1	1	1	1	1	1		
28	1	172122-79930	CLAMP, HOSE	4	4	4	4	4	4		
29	1	172122-79930	CLAMP, HOSE	3	3	3	3	3	3		

Fig.104. GREASING

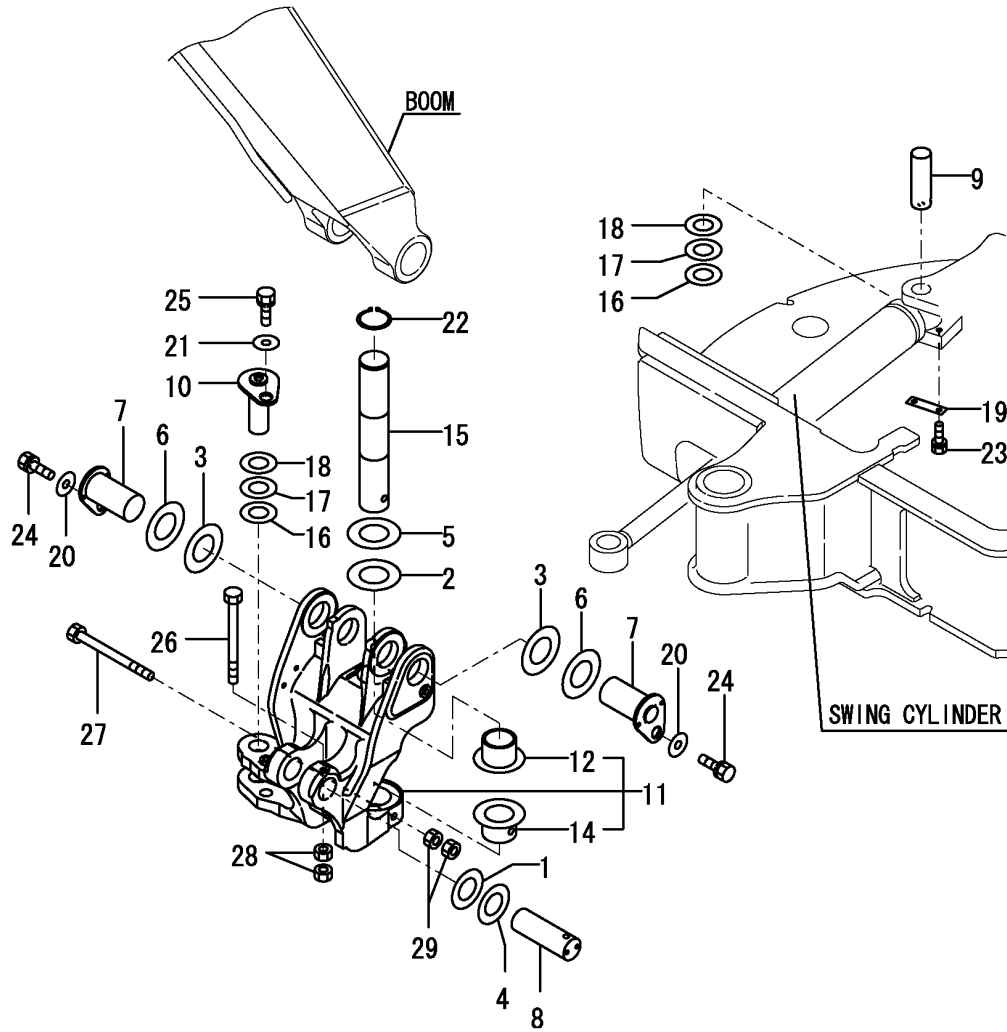


(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-77800	JOINT, GREASE	4	4	4	4	4	4		
2	1	172151-77801	HOSE P602YY045	1	1	1	1	1	1		
3	1	172164-77800	HOSE P602YY050	1	1	1	1	1	1		
4	1	172312-77820 (A=M/#25501) (B=M/#25501)	FITTING, GREASE	1	1						Z
5	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2	2		

Fig.105. BOOM BRACKET



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

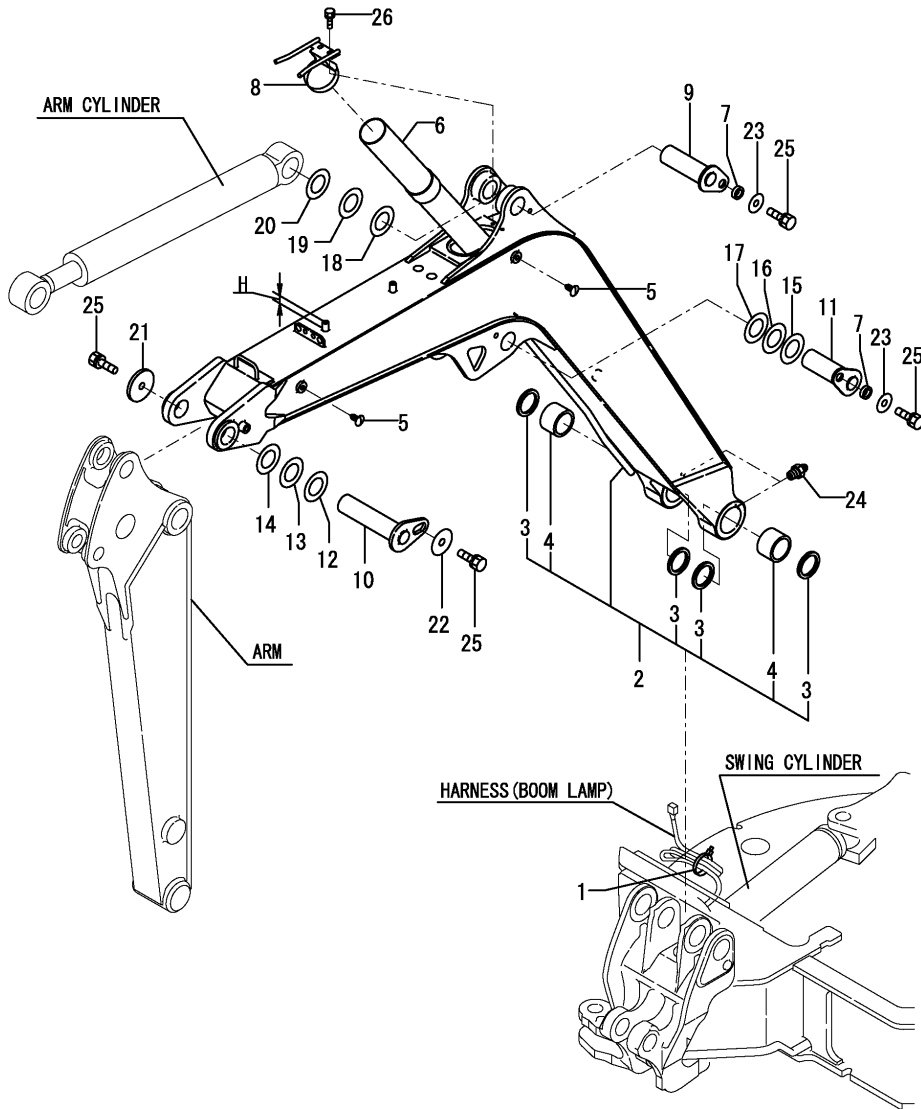
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172173-81700	SHIM, 50X90X0.8	1	1						
1-1	1	172165-82530	SHIM	1	1	1	1	1	1	1	R
		(A=M/#25501) (B=M/#25501)									
2	1	172175-81700	SHIM	1	1	1	1	1	1	1	
3	1	172175-81700	SHIM	2	2	2	2	2	2	2	
4	1	172173-81710	SHIM, 50X90X0.5	1	1						
4-1	1	172165-82520	SHIM	1	1	1	1	1	1	1	R
		(A=M/#25501) (B=M/#25501)									
5	1	172175-81710	SHIM	1	1	1	1	1	1	1	
6	1	172175-81710	SHIM	2	2	2	2	2	2	2	
7	1	172458-81800	PIN 60X113	2	2	2	2	2	2	2	
8	1	172458-81830	PIN 50X136	1	1	1	1	1	1	1	
9	1	172458-81920	PIN 40X115	1	1	1	1	1	1	1	
10	1	172458-81930-1	PIN 40X111(YELLOW:87	1	1	1	1	1	1	1	
11	1	172458-82300-1	BRACKET,BOOM (87)	1	1	1	1	1	1	1	
12	2	172142-82310	BUSH 60X50	1	1	1	1	1	1	1	
14	2	172458-82320	BUSH 60X50	1	1	1	1	1	1	1	
15	1	172458-82330	PIN 60X334.5	1	1	1	1	1	1	1	
16	1	172165-82580	SHIM	2	2	2	2	2	2	2	
17	1	172165-82590	SHIM	2	2	2	2	2	2	2	
18	1	172165-82600	SHIM	2	2	2	2	2	2	2	
19	1	172117-83970-6	PLATE(C),LOCK (82)	1	1	1	1	1	1	1	
20	1	22157-120000	WASHER, 12	2	2	2	2	2	2	2	
21	1	22157-120000	WASHER, 12	1	1	1	1	1	1	1	
22	1	22242-000600	RING, 60	1	1	1	1	1	1	1	
23	1	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	
24	1	26013-120302	BOLT, M12X 30	2	2	2	2	2	2	2	
25	1	26013-120302	BOLT, M12X 30	1	1	1	1	1	1	1	
26	1	26116-121402	BOLT, M12X165 PLATED	1	1	1	1	1	1	1	
27	1	26206-141502	BOLT, M14X150 PLATED	1	1	1	1	1	1	1	
28	1	26716-120002	NUT, M12	2	2	2	2	2	2	2	
29	1	26716-140002	NUT, M14	2	2	2	2	2	2	2	

Fig.106. BOOM

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172126-11510	BAND 300	1	1	1	1	1	1		
2	1	172457-81103-1	BOOM ASSY(YELLOW:87)	1	1						1
2-1	1	172457-81104-1	BOOM ASSY(YELLOW:87)	1	1	1	1	1	1	1	S
3	2	(A=M/#25501) (B=M/#25501) 172162-81050	SEAL, DUST 60X75X6	4	4						
3-1	2	172020-10620	SEAL, DUST	4	4	4	4	4	4	4	R
4	2	(A=M/#21257) (B=M/#21257) 172458-81400	BUSH 60X75X50	2	2	2	2	2	2	2	
5	1	172183-81170	CLIP, TREE	5	5	5	5	5	5	5	
6	1	172457-81451	PIPE ASSY, PROTECT	1	1	1	1	1	1	1	
7	1	172164-81670	SPACER	2	2	2	2	2	2	2	
8	1	172458-81751-1	CLAMP, PIPE	1	1	1	1	1	1	1	
9	1	172457-81840	PIN 40X153 ASSY	1	1	1	1	1	1	1	
10	1	172458-81840	PIN 50X209 ASSY	1	1	1	1	1	1	1	
11	1	172457-81860	PIN 45X153 ASSY	1	1	1	1	1	1	1	
12	1	172165-82520	SHIM	1	1	1	1	1	1	1	
13	1	172165-82530	SHIM	1	1	1	1	1	1	1	
14	1	172165-82540	SHIM, 50X85X1.6	1	1						Z
15	1	(A=M/#25501) (B=M/#25501) 172165-82550	SHIM	1	1	1	1	1	1	1	
16	1	172165-82560	SHIM	1	1	1	1	1	1	1	
17	1	172165-82570	SHIM	1	1	1	1	1	1	1	
18	1	172165-82580	SHIM	1	1	1	1	1	1	1	
19	1	172165-82590	SHIM	1	1	1	1	1	1	1	
20	1	172165-82600	SHIM	1	1	1	1	1	1	1	
21	1	172146-82910	SPACER	1	1	1	1	1	1	1	
22	1	172444-82990	WASHER	1	1	1	1	1	1	1	
23	1	22157-120000	WASHER, 12	2	2	2	2	2	2	2	
24	1	24761-050000	NIPPLE, GREASE C	2	2	2	2	2	2	2	
25	1	26013-120252	BOLT, M12X 25	4	4	4	4	4	4	4	
26	1	26014-080162	BOLT, M8X 16	2	2	2	2	2	2	2	
27A	1	172171-03261	LABEL,BOOM	2	2	2	2	2	2	2	2
27B	1	172437-03431	LABEL,STEERING	1	1	1	1	1	1	1	2
27C	1	172437-03460	LABEL, BOOM	2	2	2	2	2	2	2	2
27D	1	172472-03270	LABEL,SAND US	1	1	1	1	1	1	1	2
27E	1	172472-03280	LABEL	1	1	1	1	1	1	1	2

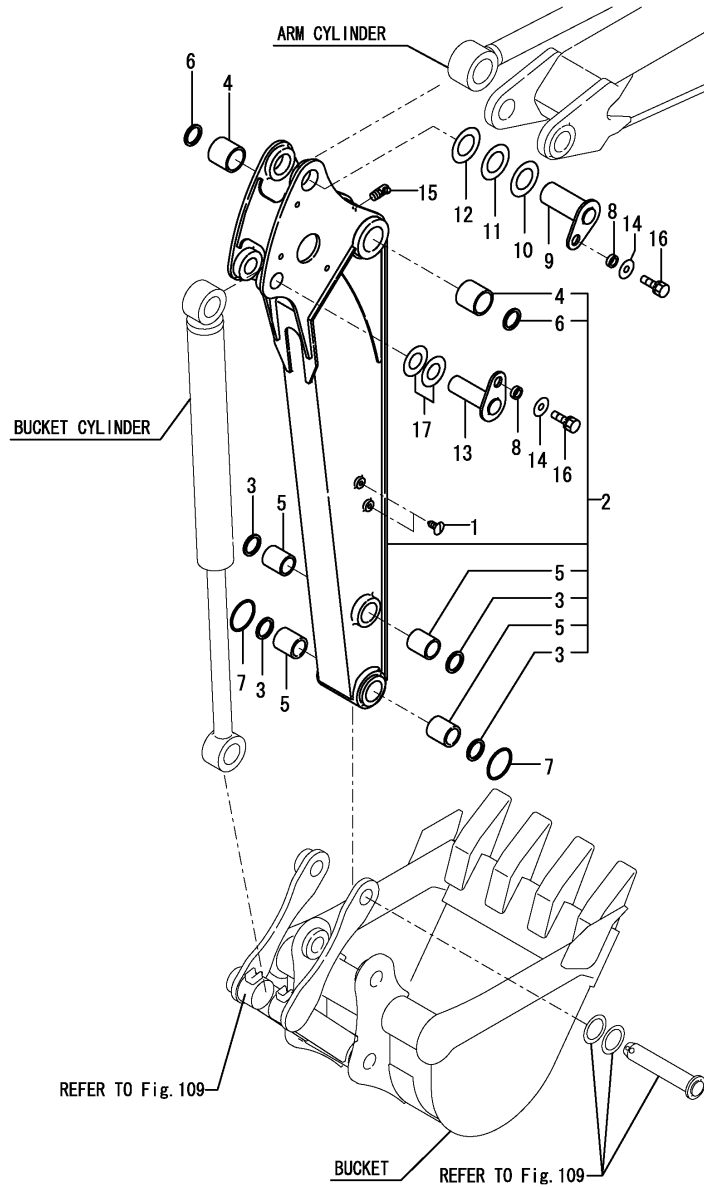
Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 STANDARD SPEC:REF.NO.27A,27B & 27C  
 QUICK COUPLER SPEC:REF.NO.27A,27B, 27C,27D & 27E  
 H=REF.NO.1:24.5MM,NO.1-1:30MM  
 (2)LABELS ARE NOT ILLUSTRATED.



Fig.107. ARM(STANDARD SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-81160	CLIP, TREE	4	4						
2	1	172457-81500-1	ARM ASSY	1	1						1
3	2	172168-81270	SEAL, DUST	4	4						
4	2	172444-81310	BUSH	2	2						
5	2	172458-81630	BUSH 38-55	4	4						
6	2	172165-81760	SEAL, DUST 50X60X4	2	2						
6-1	2	172448-54120	SEAL, DUST	2	2						R
7	1	(A=M/#21117) (B=M/#21117) 172142-81620	O-RING	2	2						
8	1	172164-81670	SPACER	2	2						
9	1	172457-81880	PIN 40X116 ASSY	1	1						
10	1	172165-82580	SHIM	1	1						
11	1	172165-82590	SHIM	1	1						
12	1	172165-82600	SHIM	1	1						
13	1	172458-83710	PIN 38X116 ASSY	1	1						
14	1	22157-120000	WASHER, 12	2	2						
15	1	24761-040000	NIPPLE, GREASE B	1	1						
16	1	26013-120252	BOLT, M12X 25	2	2						
17	1	933171-29751	SHIM SET	1	1						
20A	1	172437-03510	LABEL,HOOK	2	2						2

Remarks

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

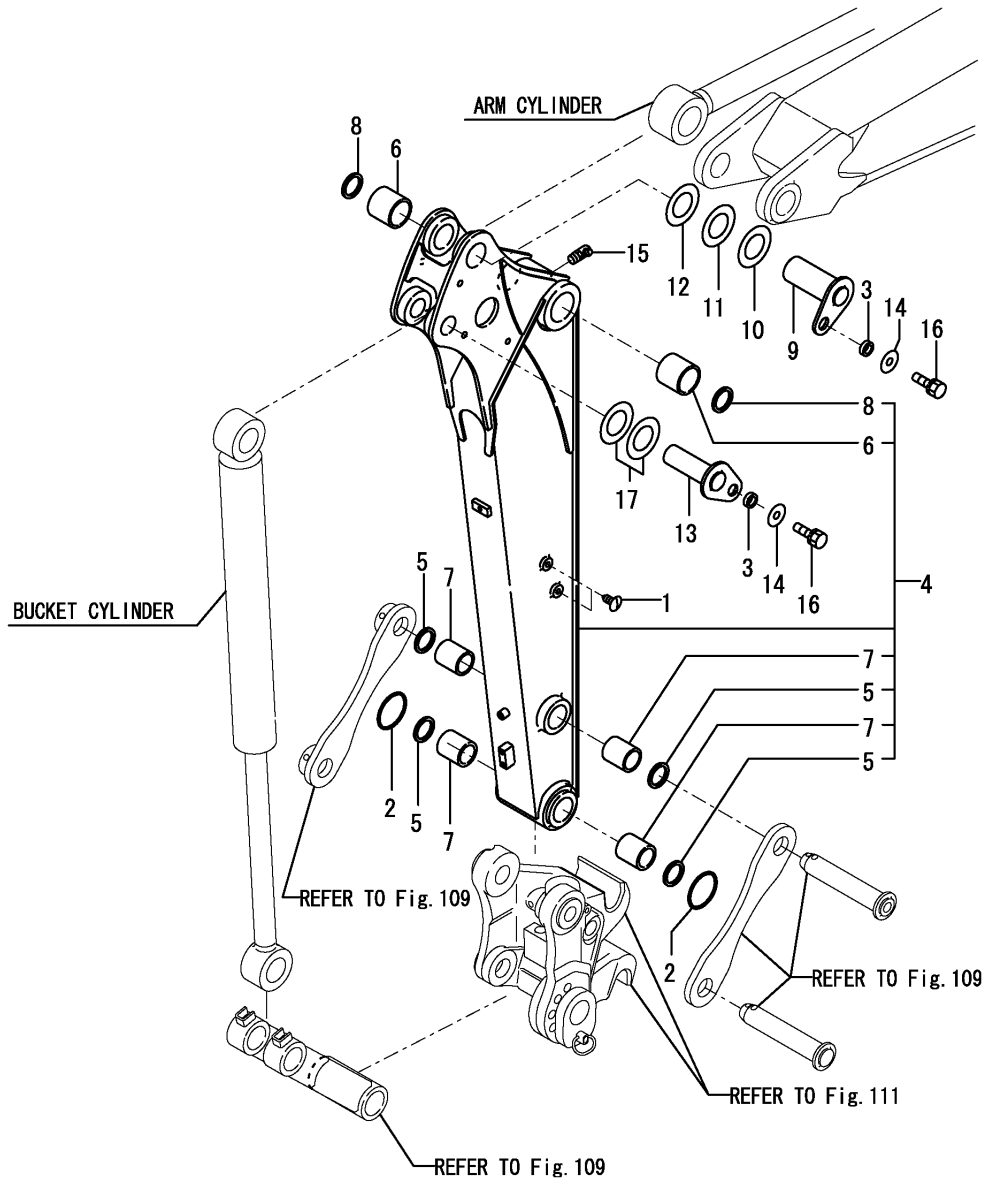
REF.NO.20A

(2)LABELS ARE NOT ILLUSTRATED.

Fig.108. ARM(QUICK COUPLER SPEC.)

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)



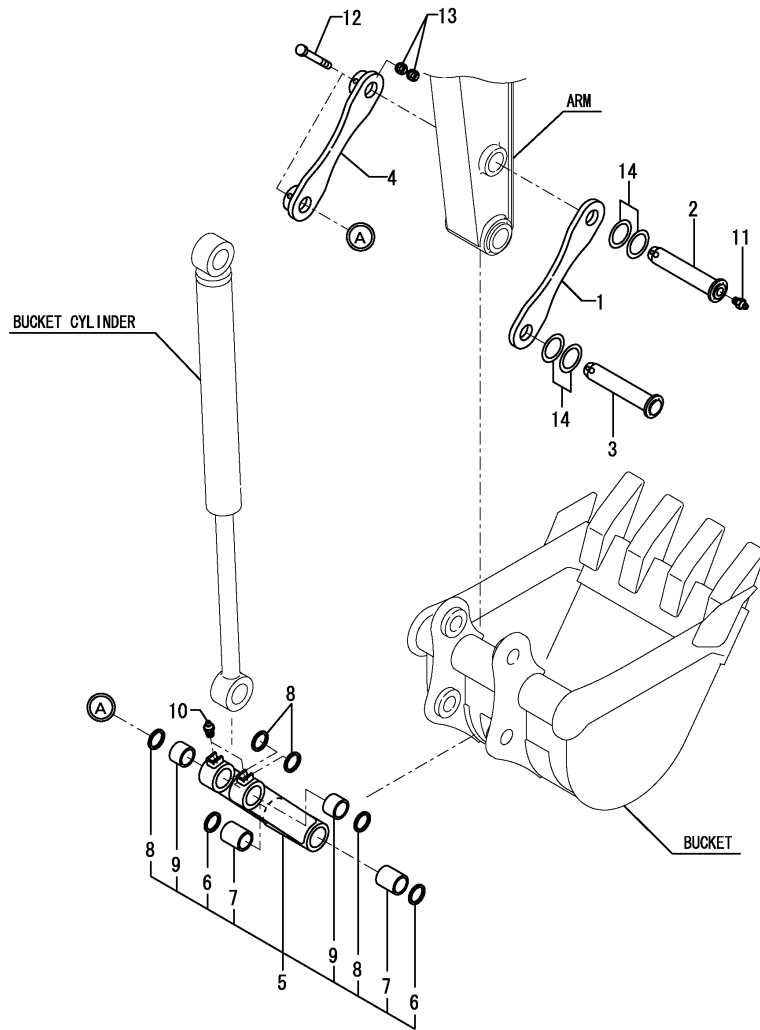
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172183-81160	CLIP, TREE	4	4	4	4	4	4		
2	1	172142-81620	O-RING	2	2	2	2	2	2		
3	1	172164-81670	SPACER	2	2	2	2	2	2		
4	1	172957-81700-1	ARM ASSY	1	1	1	1	1	1		1
5	2	172168-81270	SEAL, DUST	4	4	4	4	4	4		
6	2	172444-81310	BUSH	2	2	2	2	2	2		
7	2	172458-81630	BUSH 38-55	4	4	4	4	4	4		
8	2	172165-81760	SEAL, DUST 50X60X4	2	2						
8-1	2	172448-54120	SEAL, DUST	2	2	2	2	2	2		R
				(A=M/#21117)		(B=M/#21117)					
9	1	172457-81880	PIN 40X116 ASSY	1	1	1	1	1	1		
10	1	172165-82580	SHIM	1	1	1	1	1	1		
11	1	172165-82590	SHIM	1	1	1	1	1	1		
12	1	172165-82600	SHIM	1	1	1	1	1	1		
13	1	172458-83710	PIN 38X116 ASSY	1	1	1	1	1	1		
14	1	22157-120000	WASHER, 12	2	2	2	2	2	2		
15	1	24761-040000	NIPPLE, GREASE B	1	1	1	1	1	1		
16	1	26013-120252	BOLT, M12X 25	2	2	2	2	2	2		
17	1	933171-29751	SHIM SET	1	1	1	1	1	1		
20A	1	172437-03510	LABEL,HOOK	2	2	2	2	2	2		2
20B	1	172472-03230	LABEL,OPERATION PIN	1	1	1	1	1	1		2
20C	1	172472-03260	LABEL,FINGER	1	1	1	1	1	1		2

Remarks  
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
REF.NO.20A,20B,20C  
(2)LABELS ARE NOT ILLUSTRATED.

Fig.109. BUCKET ARM & LINK

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

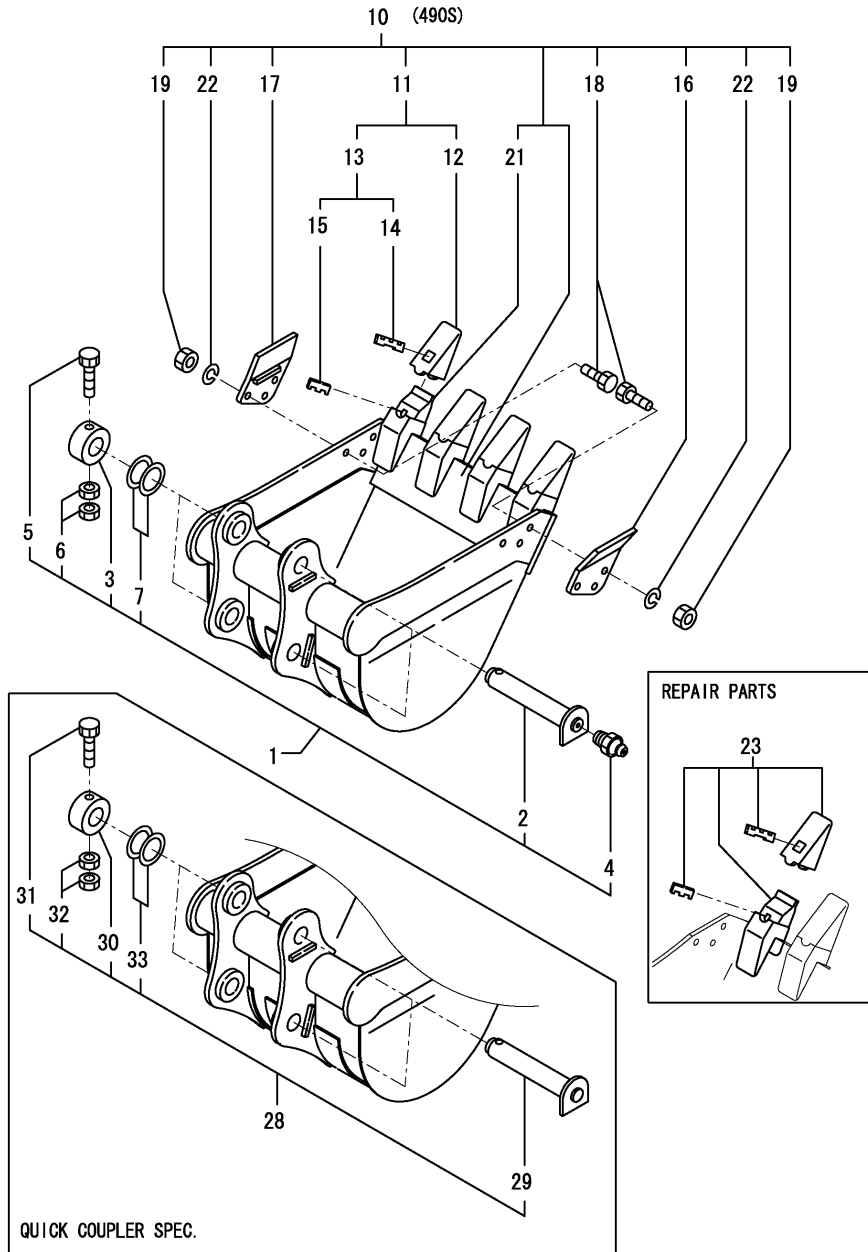


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-81820-5	ARM, BUCKET	1	1	1	1	1	1		
2	1	172458-81860	PIN ASSY	1	1	1	1	1	1		
3	1	172458-81890	PIN ASSY	1	1	1	1	1	1		
4	1	172458-82600-1	ARM, BUCKET	1	1	1	1	1	1		
5	1	172458-82650-1	LINK, BUCKET	1	1						
5-1	1	172458-82651-1	LINK, BUCKET	1	1	1	1	1	1		R
		(A=M/#21168) (B=M/#21168)									
6	2	172168-81270	SEAL, DUST	2	2	2	2	2	2		
7	2	172458-81630	BUSH	2	2	2	2	2	2		
8	2	172122-82290	SEAL, DUST	4	4	4	4	4	4		
9	2	172168-84411	BUSH	2	2	2	2	2	2		
10	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2	2		
11	1	24761-020000	NIPPLE, GREASE PT1/8	1	1	1	1	1	1		
12	1	26116-100752	BOLT, M10X 75 PLATED	2	2	2	2	2	2		
13	1	26716-100002	NUT, M10	4	4	4	4	4	4		
14	1	933171-29751	SHIM SET	2	2	2	2	2	2		

Fig.110. BUCKET

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



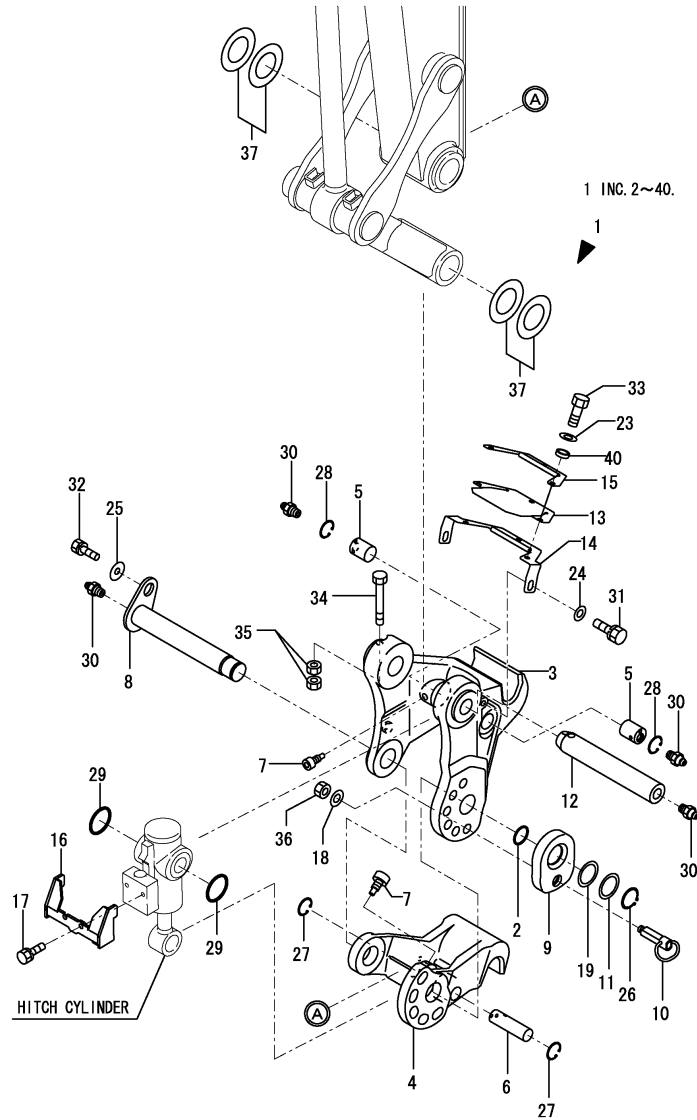
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-81950	PIN KIT, BUCKET	2	2						
2	2	172164-81630	PIN	2	2						
3	2	172164-81700	COLLAR	2	2						
4	2	24761-020000	NIPPLE, GREASE PT1/8	2	2						
5	2	26116-100652	BOLT, M10X 65 PLATED	2	2						
6	2	26716-100002	NUT, M10	4	4						
7	2	933171-29751	SHIM SET	2	2						
10	1	172458-82500-1	BUCKET ASSY, 490S	1	1				1	1	1
11	2	172165-86500	TOOTH KIT, POINT	3	3						
11-1	2	172448-82950	TOOTH KIT, POINT	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
12	3	172151-81600	TOOTH, POINT	3	3						
12-1	3	172448-82570-1	TOOTH, POINT	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
13	3	172151-81620	PIN ASSY, LOCK	3	3						
13-1	3	172448-82960	PIN ASSY, LOCK	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
14	4	172151-81630	PIN	3	3						
14-1	4	172448-82580	PIN, LOCK	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
15	4	172151-81640	LOCK, RUBBER BIN	3	3						
15-1	4	172448-82590	RUBBER, PIN	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
16	2	172458-82240-1	CUTTER, SIDE	1	1				1	1	
17	2	172458-82260-1	CUTTER, SIDE	1	1				1	1	
18	2	172458-82280	BOLT M14X 40	6	6				6	6	
19	2	172458-82290	NUT	6	6				6	6	
21	3	172458-82230-1	ADAPTER	3	3						
21-1	3	172458-82231	ADAPTER	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
22	2	22217-140000	WASHER, SPRING 14	6	6				6	6	
23	1	772458-82230-1	TOOTH ASSY	3	3						1
23-1	1	772458-82231-1	TOOTH ASSY	3	3				3	3	R
		(A=M/#21146) (B=M/#21146)									
28	1	172958-81590	PIN KIT Q, BUCKET	2	2	2	2	2	2	2	
29	2	172958-81600	PIN 38X229 ASSY	2	2	2	2	2	2	2	
30	2	172164-81700	COLLAR	2	2	2	2	2	2	2	
31	2	26116-100652	BOLT, M10X 65 PLATED	2	2	2	2	2	2	2	
32	2	26716-100002	NUT, M10	4	4	4	4	4	4	4	
33	2	933171-29751	SHIM SET	2	2	2	2	2	2	2	

Remarks  
 (1) NOT APPLIED FOR W/O BUCKET.

Fig.111. QUICK COUPLER(QUICK COUPLER SPEC.)

(A)=VIO27-2 C(US)  
(B)=VIO27-2 P(US)  
(C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
(E)=VIO27-2 C(NZ)  
(F)=VIO27-2 P(NZ)



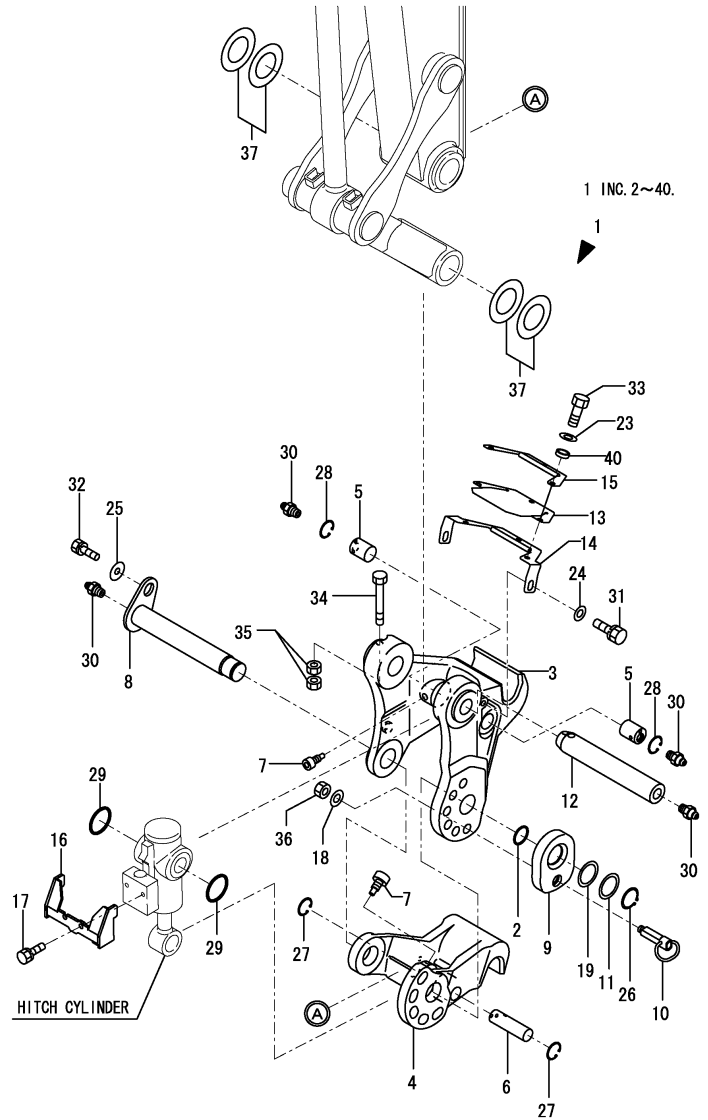
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172958-08700	QUICK HITCH ASSY	1	1	1	1	1	1	1	W
		(A=M/#20793) (B=M/#20793)									
2	2	172124-46200	O-RING	1	1	1	1	1	1	1	
3	2	172958-83101-1	BRACKET A(YELLOW:87)	1	1						
3-1	2	172958-83102-1	BRACKET A(YELLOW:87)	1	1	1	1	1	1	1	N
		(A=M/#21287) (B=M/#21287)									
4	2	172958-83110-1	BRACKET B(YELLOW:87)	1	1	1	1	1	1	1	
4-1	2	172958-83111-1	BRACKET B(YELLOW:87)	1	1	1	1	1	1	1	N
		(A=M/#21287) (B=M/#21287)									
5	2	172958-83120	PIN 30X37	2	2	2	2	2	2	2	
6	2	172958-83130	PIN 25X86	1	1	1	1	1	1	1	
6-1	1	172958-83131	PIN 25X86	1	1	1	1	1	1	1	N
		(A=M/#XXXXXX) (B=M/#XXXXXX) (C=M/#XXXXXX) (D=M/#XXXXXX) (E=M/#XXXXXX) (F=M/#XXXXXX)									
7	2	172958-83140	BOLT	3	3	3	3	3	3	3	
8	2	172958-83150	PIN 38X237	1	1	1	1	1	1	1	
9	2	172958-83171-1	PLATE,LOCK(YELLOW:87)	1	1	1	1	1	1	1	1
10	2	172958-83182	PIN ASSY, LOCK	1	1	1	1	1	1	1	2
11	2	172960-83210	COLLAR	1	1	1	1	1	1	1	
12	2	172958-83220	PIN 38X242	1	1	1	1	1	1	1	
13	2	172958-83251	PLATE, RUBBER	1	1	1	1	1	1	1	
14	2	172958-83271-1	GUARD ASSY	1	1	1	1	1	1	1	
15	2	172958-83281-1	GUARD ASSY	1	1						
15-1	2	172958-83261-1	PLATE (87)	1	1	1	1	1	1	1	N
		(A=M/#21046) (B=M/#21046)									
16	2	172958-83291-1	GUIDE PLATE (87)	1	1						
16-1	2	172958-83292-1	COVER, HITCH	1	1	1	1	1	1	1	R
		(A=M/#25654) (B=M/#25654)									
17	2	172958-83320	BOLT, BUTTON	2	2						
17-1	2	26013-080162	BOLT, M8X 16	2	2	2	2	2	2	2	N
		(A=M/#20852) (B=M/#20852)									
18	2	172958-83330	WASHER 6.4X15.5X1.5	1	1	1	1	1	1	1	
19	2	172141-84601	SHIM	1	1	1	1	1	1	1	
23	2	22137-080000	WASHER, 8	2	2						
23-1	2	22137-080000	WASHER, 8	3	3	3	3	3	3	3	K
		(A=M/#20852) (B=M/#20852)									
24	2	22137-100000	WASHER, 10	2	2	2	2	2	2	2	
25	2	22157-120000	WASHER, 12	1	1	1	1	1	1	1	
26	2	22242-000350	RING, 35	1	1	1	1	1	1	1	
27	2	22252-000250	RING, 25	2	2	2	2	2	2	2	
28	2	22252-000300	RING, 30	2	2	2	2	2	2	2	
29	2	24311-000480	O-RING, 1P48.0	2	2	2	2	2	2	2	
30	2	24761-020000	NIPPLE, GREASE PT1/8	4	4	4	4	4	4	4	
31	2	26013-100202	BOLT, M10X 20	2	2	2	2	2	2	2	
32	2	26013-120302	BOLT, M12X 30	1	1	1	1	1	1	1	
33	2	26116-080202	BOLT, M8X 20 PLATED	2	2						
33-1	2	26116-080202	BOLT, M8X 20 PLATED	3	3	3	3	3	3	3	K
		(A=M/#20852) (B=M/#20852)									
34	2	26116-100802	BOLT, M10X 80 PLATED	1	1	1	1	1	1	1	
35	2	26716-100002	NUT, M10	2	2	2	2	2	2	2	
36	2	26756-060002	NUT, LOCK M6	1	1	1	1	1	1	1	
37	2	933171-29751	SHIM SET	2	2	2	2	2	2	2	

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.41A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME. REF.NO.41B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.111. QUICK COUPLER(QUICK COUPLER SPEC.)

(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

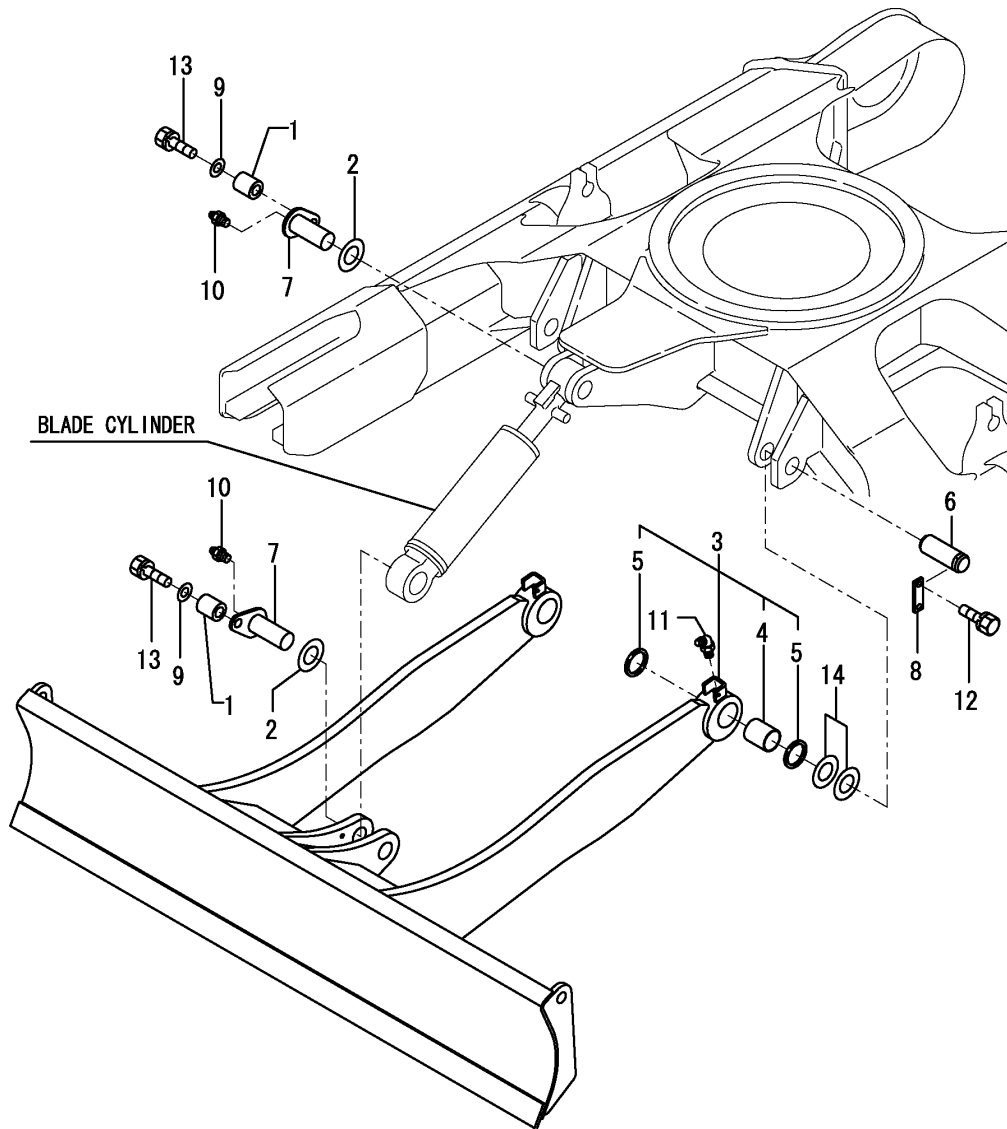
(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40	2	172958-17120	COLLAR	2	2						
40-1	2	172958-17120	COLLAR	3	3	3	3	3	3	3	K
				(A=M/#20852) (B=M/#20852)							
41A	1	172958-03160	LABEL	1	1	1	1	1	1	1	3
41B	1	172458-03240	LABEL,LOCK	1	1	1	1	1	1	1	3

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.41A  
 (2)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.41B  
 (3)LABELS ARE NOT ILLUSTRATED.

Fig.112. BLADE



(A)=VIO27-2 C(US)  
 (B)=VIO27-2 P(US)  
 (C)=VIO27-2 C(AS)

(D)=VIO27-2 P(AS)  
 (E)=VIO27-2 C(NZ)  
 (F)=VIO27-2 P(NZ)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-81670	SPACER	2	2	2	2	2	2		
2	1	172112-87860	SHIM	2	2	2	2	2	2		
3	1	172457-94100-1	BLADE (GREEN:82)	1	1	1	1	1	1		1
4	2	172168-72240	BUSH 38X50X40	2	2	2	2	2	2		
5	2	172168-81270	SEAL, DUST	4	4	4	4	4	4		
6	1	172422-94210	PIN 38X 114	2	2	2	2	2	2		
7	1	172142-94241	PIN 40-106(GREEN:88)	2	2	2	2	2	2		
8	1	172124-94310-2	PLATE,LOCK(GREEN:82)	2	2	2	2	2	2		
9	1	22157-120000	WASHER, 12	2	2	2	2	2	2		
10	1	24761-020000	NIPPLE, GREASE PT1/8	2	2	2	2	2	2		
11	1	24761-040000	NIPPLE, GREASE B	2	2	2	2	2	2		
12	1	26013-100252	BOLT, M10X 25	4	4	4	4	4	4		
13	1	26013-120302	BOLT, M12X 30	2	2	2	2	2	2		
14	1	933171-29751	SHIM SET	2	2	2	2	2	2		
17A	1	172437-03510	LABEL,HOOK	2	2	2	2	2	2		2

Remarks  
 (1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.  
 REF.NO.17A  
 (2)LABELS ARE NOT ILLUSTRATED.

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104200-55321	17	17
104200-55330	17	18
104200-55341	17	19
104200-55750	17	28
110250-55610	17	22
119247-77100	22	11
119255-44660	14	31
	15	36
119650-77910	22	13
119808-12520	8	11 -1
119808-12540	8	12
120147-44810	27	14
121250-49121	14	4
	15	4
121254-55510	17	20
121257-55720	17	25
121257-55731	17	26
121450-44531	14	26
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121468-44510	14	24
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121468-44540	14	27
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121470-44581	14	29
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121850-55710	17	24
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124450-44560	14	28
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124465-44950	25	18
	26	8
124764-44810	1	32
	2	29
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172110-36010	97	22
172110-45050	33	33
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172110-76170-1	101	8
172112-87860	112	2
172113-12522	9	5
172116-46630	37	10
172116-75850	92	27
172116-76381	95	10
172117-83970-6	105	19
172122-37830	29	13
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172122-46590	33	24
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172122-57610	42	7
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172122-57620	42	8
	43	13
172122-57630	42	5
	43	10
172122-57640	42	6
	43	11
172122-70350	72	7
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172122-70630	82	38
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172122-73470	81	38
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172124-17640	25	13
	26	6
172124-46200	32	3
	33	16
	35	9
	37	31
	111	2
172124-65480	55	16
172124-70380	82	34
172124-70390	82	35
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172124-94310-2	112	8
172125-03950	1	31
	2	28
	8	25 A
172125-76900	100	10
172126-11510	19	1
	20	1
	25	1
		2
	26	1
		1 -1
	70	1
	95	17
		27 -1
	106	1
172126-16540	19	7
	20	17
172137-12270	9	3
172137-16560	17	13
	19	8
	20	18
172137-17630	25	11
	26	4
172137-17631	25	11 -1
	26	4 -1
172137-46040	10	11
	11	11
172137-46210	22	25
172137-69850	49	19

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172137-73860	83	5
172137-76110	96	1
172137-76580	101	9
172141-03360	1	23
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	21	50 A
172141-12280	9	4
172141-13490	25	3
	26	2
172141-37320	28	6
172141-41340	33	1
172141-41360	31	5
	35	5
	36	5
172141-41370	32	6
	33	3
		6
	35	2
	37	24
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172141-50762-2	44	1
172141-50763-4	44	1 -1
172141-50890	42	2
172141-70110	81	46
172141-70150	81	48
172141-70160	81	49
172141-70410	81	9
172141-70420	81	10
172141-70450	81	4
172141-70460	81	5
172141-70470	81	6
172141-72190	74	13
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	79	3
172141-72250	74	24
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	77	8
	78	8
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172141-76920	95	11
172141-77800	104	1
172141-84601	111	19
172142-57610	42	4
	43	9
172142-62300	45	13
172142-72260	78	9
172142-72510	77	9
172142-72560	77	15
172142-72950	78	20
172142-73800	83	7
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172142-77040	97	14
172142-77050	97	16
172142-81620	107	7
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172142-94241	112	7
172146-13101	10	2
172146-45610	35	28
172146-61370	45	7 -1
	47	4
172146-73730	92	5
172146-82910	106	21
172147-03210	1	15
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172156-72400	80	2
172156-72770	80	15
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172162-12480	36	1
172162-13200	10	8
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172162-14200	16	5
172162-15310	12	20
172162-46690	32	9
172162-61850	23	9
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172162-62540	50	5
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172162-81050	106	3
172162-82980	28	11
172164-45970	34	3
172164-45980	47	2
172164-65730	51	21
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	54	14
172164-66170	55	17
	56	21
	61	5
172164-66480	12	22
172164-66490	56	43
172164-66620	12	22 -1
172164-66630	12	13
172164-66800	12	14
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		19
172164-77800	104	3
172164-81630	110	2
172164-81670	106	7
	107	8
	108	3
	112	1
172164-81700	110	3
		30
172164-81820-5	109	1
172164-81950	110	1
172165-03231	1	17
	2	14
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172165-13220	57	1
	70	2
172165-14170	16	18
172165-45490	38	1
		5
172165-45970	31	16
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