Contents

Fig. No. Fig. Name

VEHICLE VIO40-2(US,AS,NZ)

1. LABEL(CABIN)
2. LABEL(CANOPY)
3. LABEL(CABIN)(QUICK COUPLER SPEC.)
4. LABEL(CANOPY)(QUICK COUPLER SPEC.)
5. SAFETY LABEL
6. FAN
7. SILENSER & AIR CLEANER
8. ACCELERATOR
9. ENGINE MOUNT
10. RADIATOR & MOUNT
11. FUEL TANK & FUEL PIPE
12. BATTERY
13. ELECTRIC PART(WIRING)
14. ELECTRIC PART(EQUIPMENT)
15. ELECTRIC PART(AIR CON. SPEC.)
16. TRAVEL ALARM
17. WORK LAMP & CANOPY LAMP
18. HEATER
19. HEATER (AIR CON. SPEC)
20. WINDOW WASHER
21. COMPRESSOR & V PULLEY(AIR CON.SPEC.)
22. PIPING(AIR CON. SPEC.)
23. COVER(AIR CON. SPEC.)
24. ROLLER & ADJUST

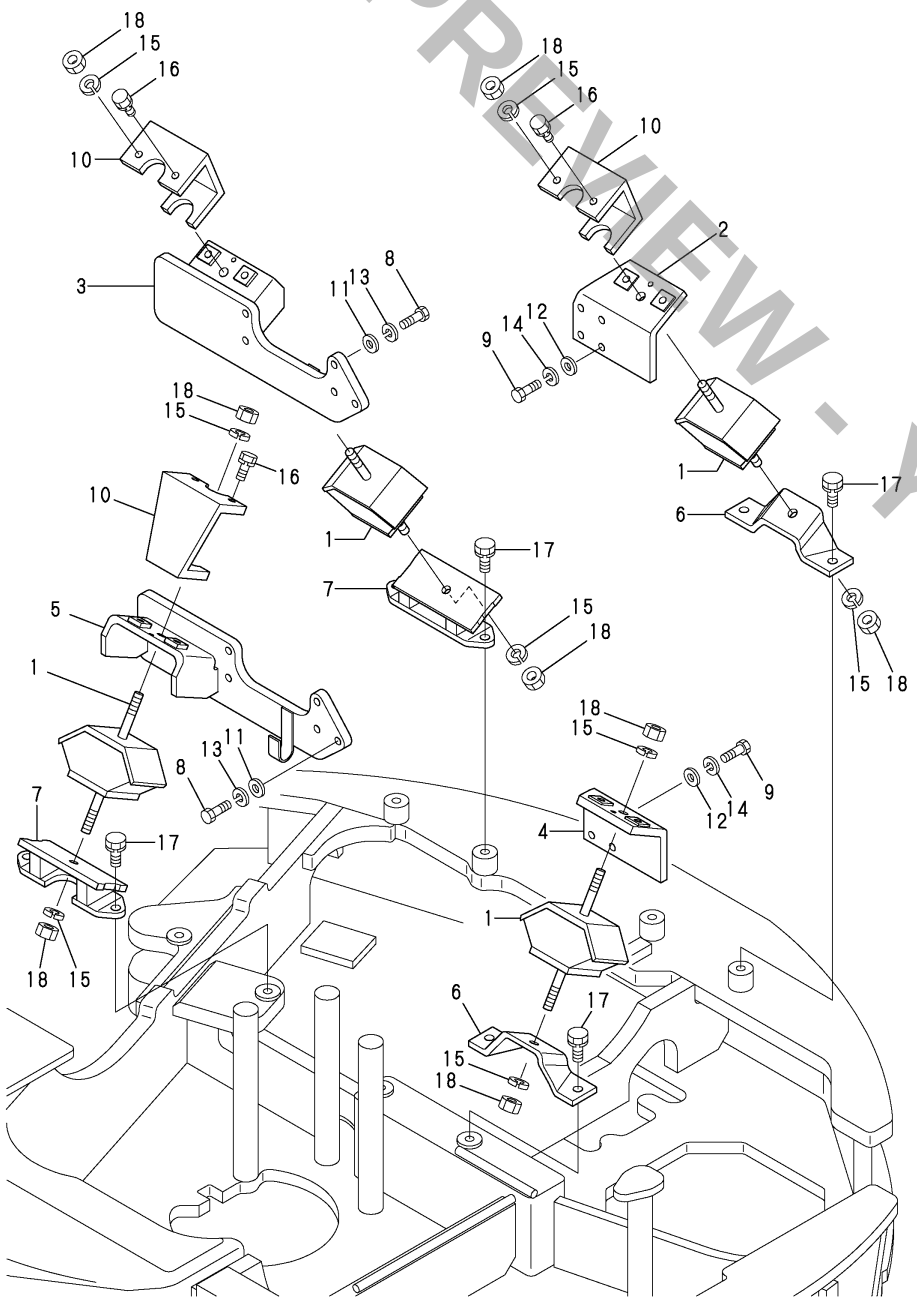
Fig. No. Fig. Name

25. CRAWLER
26. CONTROL EQUIPMENT(LOCK LEVER & STAND)RIGHT
27. CONTROL EQUIPMENT(LOCK LEVER & STAND)LEFT
28. CONTROL EQUIPMENT(TRAVEL LEVER)
29. CONTROL EQUIPMENT(BLADE LEVER)
30. CONTROL EQUIPMENT(SWING PEDAL)
31. CONTROL EQUIPMENT(LOW-HIGH PEDAL)
32. CONTROL EQUIPMENT(P.T.O.PEDAL)
33. FRAME & TURNING BEARING
34. COVER(FRAME)
35. COVER(CABIN)
36. COVER(CANOPY)
37. STEP & INSTRUMENT PANEL
38. SEAT & SEAT MOUNT
39. BONNET
40. CABIN(BODY)
41. CABIN(ELECTRIC PART)
42. CABIN(GLASS)
43. CABIN(DOOR)
44. TIM CABIN(BODY)
45. TIM CABIN(ACCESSORY)
46. TIM CABIN(ELECTRIC PART & WIPER)
47. TIM CABIN(HEATER & DUCT COVER)
48. TIM CABIN(FRONT GLASS)
49. TIM CABIN D00R(BODY)

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Fig.9. ENGINE MOUNT



(A)=VIO40-2C(US)
(B)=VIO40-2P(US)
(C)=VIO40-2C(AS)
(D)=VIO40-2P(AS)
(E)=VIO40-2C(NZ)
(F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	196420-02310	ABSORBER, SHOCK 230	4	4	4	4	4	4		
2	1	172146-13101-1	BRACKET (73)	1	1	1	1	1	1		
3	1	172164-13100-1	BRACKET R (73)	1	1	1	1	1	1		
4	1	172146-13111-1	BRACKET (73)	1	1	1	1	1	1		
5	1	172164-13110-1	BRACKET L (73)	1	1	1	1	1	1		
6	1	172168-13150-1	BRACKET,ENGINE (73)	2	2	2	2	2	2		
7	1	172168-13181-1	BRACKET,ENGINE (73)	2	2	2	2	2	2		
8	1	172162-13200	BOLT M10X30	10	10	10	10	10	10		
9	1	172162-13200	BOLT M10X30	8	8	8	8	8	8		
10	1	172124-13230-3	STOPPER, ENGINE	3	3	3	3	3	3		
11	1	172137-46040	SEAT, SPRING	10	10	10	10	10	10		
12	1	172137-46040	SEAT, SPRING	8	8	8	8	8	8		
13	1	22217-100000	WASHER, SPRING 10	10	10	10	10	10	10		
14	1	22217-100000	WASHER, SPRING 10	8	8	8	8	8	8		
15	1	22217-120000	WASHER, SPRING 12	8	8	8	8	8	8		
16	1	26013-100252	BOLT, M10X 25	6	6	6	6	6	6		
17	1	26013-120302	BOLT, M12X 30	8	8	8	8	8	8		
18	1	26716-120002	NUT, M12	8	8	8	8	8	8		

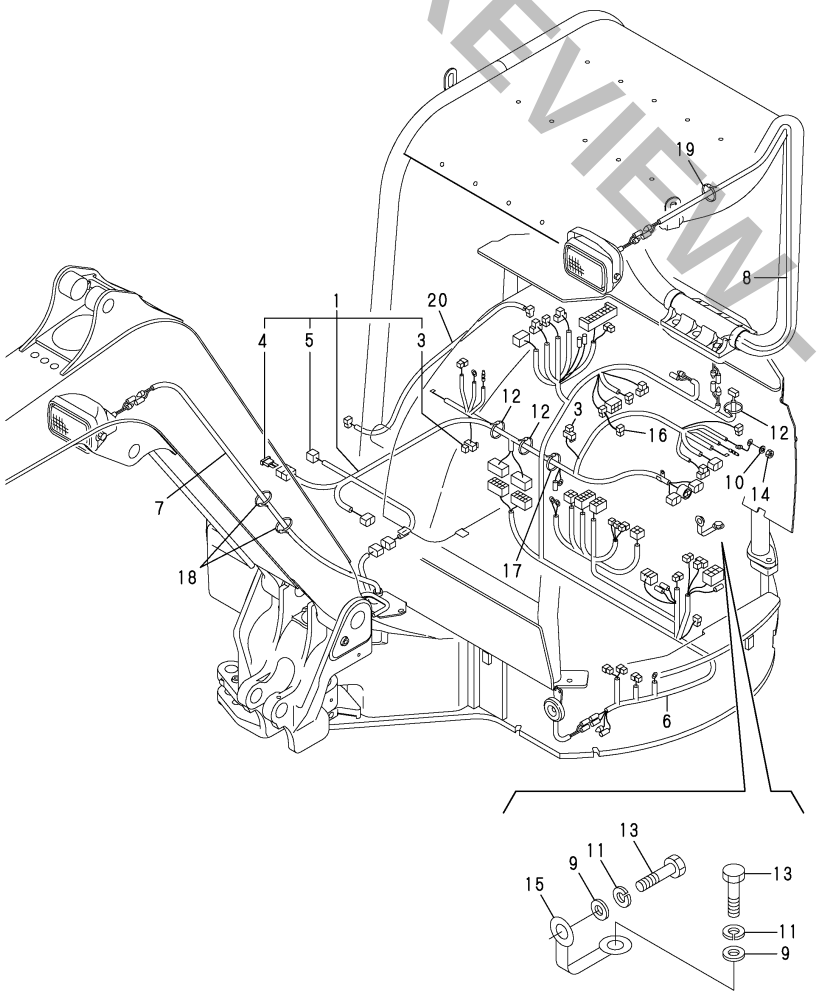
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add,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

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Fig.13. ELECTRIC PART(WIRING)



(A)=VIO40-2C(US) (D)=VIO40-2P(AS)
(B)=VIO40-2P(US) (E)=VIO40-2C(NZ)
(C)=VIO40-2C(AS) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172460-16500	HARNESS	1	1	1	1	1	1		
1-1	1	172460-16501	HARNESS	1	1	1	1	1	1	S	1
	(A=M/#21823)	(B=M/#21823)	(C=M/#21823) (D=M/#21823)	(E=M/#21823)			(F=M/#21823)				
3	2	172648-16600	DIODE	2	2	2	2	2	2		
4	2	172458-16550	HUSE,SLOW BLOW (50A	1	1	1	1	1	1		
5	2	172447-17140	HOUSING	1	1	1	1	1	1		
6	1	172467-16520	HARNESS B ASSY (US)	1	1	1	1	1	1		
7	1	172460-16530	HARNESS	1	1	1	1	1	1		
7-1	1	172460-16531	HARNESS,BOOM LAMP	1	1	1	1	1	1	S	1
	(A=M/#21823)	(B=M/#21823)	(C=M/#21823) (D=M/#21823)	(E=M/#21823)			(F=M/#21823)				
8	1	172458-16560	HARNESS,CANOPY LAMP	1	1						
8-1	1	172458-16561	HARNESS,CANOPY LAMP	1	1		1		1	N	
	(A=M/#21168)	(B=M/#21168)									
9	1	22137-100000	WASHER, 10	2	2	2	2	2	2		
10	1	22217-050000	WASHER, SPRING 5	1	1	1	1	1	1		
11	1	22217-100000	WASHER, SPRING 10	2	2	2	2	2	2		
12	1	194202-56460	BAND, 200	3	3	3	3	3	3		
13	1	26116-100162	BOLT, M10X 16 PLATED	2	2	2	2	2	2		
14	1	26716-050002	NUT, M5	1	1	1	1	1	1		
15	1	933171-15801	CORD, ENGINE EARTH	1	1	1	1	1	1		
16	1	172190-16500	HARNESS	1	1						
17	1	172183-16560	CLIP, HOSE	1	1	1	1	1	1		
18	1	172187-78580	BAND W 397	2	2	2	2	2	2		
19	1	172126-11510	BAND 300	1	1	1	1	1	1		
20	1	172472-16610	HARNESS, WASHER			1	1	1	1	W	
			(C=M/#21823) (D=M/#21823)				(E=M/#21823)		(F=M/#21823)		

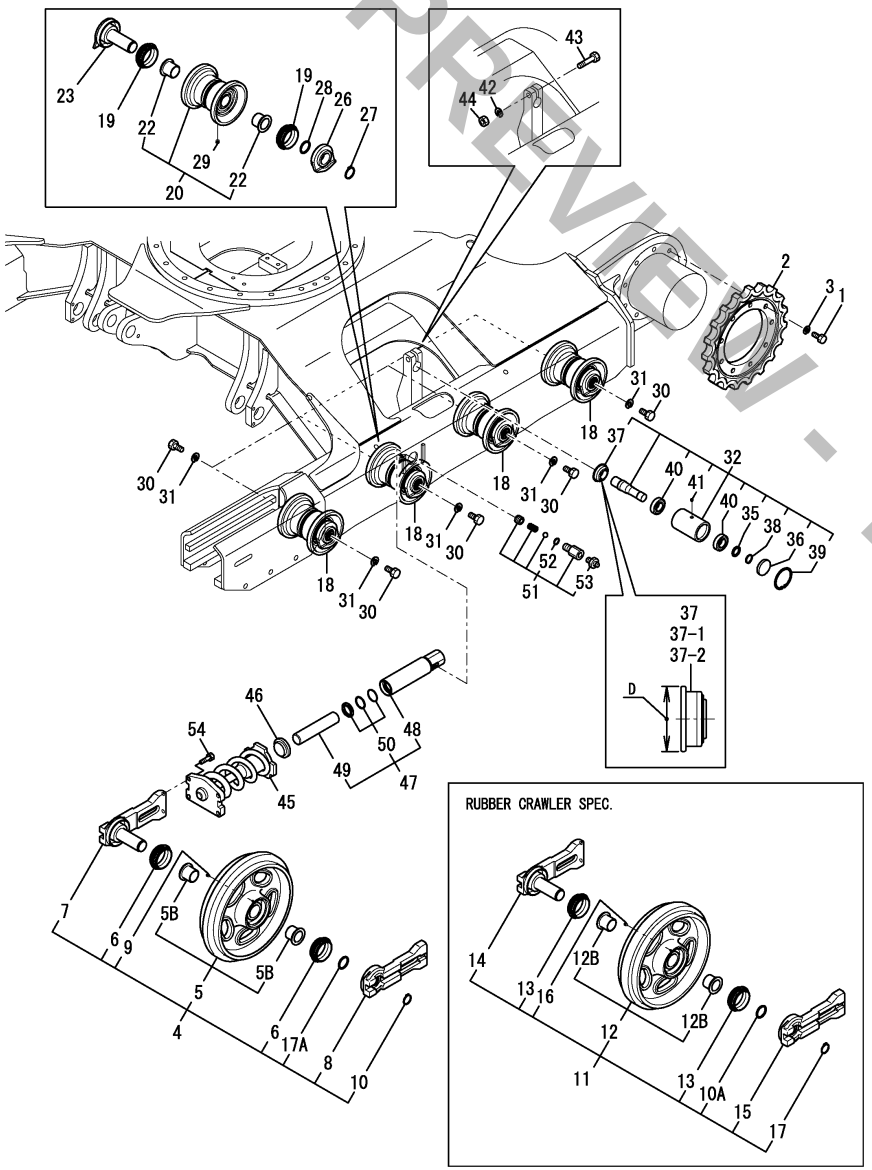
Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.10 REF.NO. 17-1,43-1,49-1 FIG.12 REF.NO.1-1 3-1 FIG.39 REF.NO.17-1

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

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Fig.24. ROLLER & ADJUST



(A)=VIO40-2C(US) (B)=VIO40-2P(US) (C)=VIO40-2C(AS) (D)=VIO40-2P(AS) (E)=VIO40-2C(NZ) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172455-29140	BOLT 14X35	18	18	18	18	18	18		
2	1	172119-35010-4	SPROCKET	2	2	2	2	2	2		
3	1	22217-140000	WASHER, SPRING 14	18	18	18	18	18	18		
4	1	772460-37110-2	IDLER ASSY	2	2	2	2	2	2		3
5	2	172460-37170-2	IDLER ASSY	2	2	2	2	2	2		3
5B	3	172124-37120	BUSH 40	4	4	4	4	4	4		
6	2	172460-37120	SEAL, FLOATING	4	4	4	4	4	4		
7	2	172460-37130-2	SHAFT, IDLER	2	2	2	2	2	2		
8	2	172460-37150-2	COVER, IDLER SEAL	2	2	2	2	2	2		
9	2	194630-42120	PLUG, PT1/8	2	2	2	2	2	2		
10	2	22242-000350	RING, 35	2	2	2	2	2	2		
10A	2	24321-000400	O-RING, 1AG40.0	2	2	2	2	2	2		
11	1	772460-37100-2	IDLER ASSY, RUBBER	2	2	2	2	2	2		1
12	2	172460-37100-2	IDLER ASSY	2	2	2	2	2	2		1
12B	3	172124-37120	BUSH 40	4	4	4	4	4	4		
13	2	172460-37120	SEAL, FLOATING	4	4	4	4	4	4		
14	2	172460-37130-2	SHAFT, IDLER	2	2	2	2	2	2		
15	2	172460-37150-2	COVER, IDLER SEAL	2	2	2	2	2	2		
16	2	194630-42120	PLUG, PT1/8	2	2	2	2	2	2		
17	2	22242-000350	RING, 35	2	2	2	2	2	2		
17A	2	24321-000400	O-RING, 1AG40.0	2	2	2	2	2	2		
18	1	772423-37320-1	TRACK ROLLER(GREEN82	8	8	8	8	8	8		
19	2	172458-37120	SEAL, FLOATING	16	16	16	16	16	16		
20	2	172423-37300-2	ROLLER (GREEN:82)	8	8	8	8	8	8		
20-1	2	172423-37301-2	ROLLER ASSY (82)	8	8	8	8	8	8	N	
		(A=M/#22123)	(B=M/#22123)	(C=M/#22123)	(D=M/#22123)	(E=M/#22123)		(F=M/#22123)			
22	3	172423-37370	BUSH	16	16	16	16	16	16		
23	2	172423-37330-1	SHAFT, ROLLER	8	8	8	8	8	8		
26	2	172423-37360-1	COVER, ROLLER SEAL	8	8	8	8	8	8		
27	2	22242-000300	RING, 30	8	8	8	8	8	8		
28	2	24315-000290	O-RING, 1BP29.0	8	8	8	8	8	8		
29	2	933171-13691	PLUG PT1/8	8	8	8	8	8	8		
30	1	172162-82980	BOLT M16X 35	16	16	16	16	16	16		
30-1	1	172490-37310	BOLT M16X30	16	16	16	16	16	16	N	
		(A=M/#22123)	(B=M/#22123)	(C=M/#22123)	(D=M/#22123)	(E=M/#22123)		(F=M/#22123)			
31	1	22217-160000	WASHER, SPRING 16	16	16	16	16	16	16	Z	
		(A=M/#22123)	(B=M/#22123)	(C=M/#22123)	(D=M/#22123)	(E=M/#22123)		(F=M/#22123)			
32	1	172187-37502-2	ROLLER, CARRIER (82)	2	2						2
32-1	1	172478-37500-1	ROLLER,CARRIER (82)	2	2	2	2	2	2	R	2
		(A=M/#21168)	(B=M/#21168)								
32-2	1	172478-37501	ROLLER ASSY, CARRIER	2	2	2	2	2	2	N	
		(A=MXXXXX)	(B=MXXXXX)	(C=MXXXXX)	(D=MXXXXX)	(E=MXXXXX)		(F=MXXXXX)			
35	2	172187-37530	WASHER, CARRIER	2	2						
35-1	2	172478-37550	WASHER, CARRIER	2	2	2	2	2	2	R	
		(A=M/#21534)	(B=M/#21534)								
36	2	172187-37540	CAP, ROLLER	2	2						
36-1	2	172478-37540	CAP, ROLLER	2	2	2	2	2	2	R	
		(A=M/#21534)	(B=M/#21534)								
37	2	172187-37550	SEAL, CARRIER ROLLER	2	2						
37-1	2	172478-37530	SEAL, CARRIER ROLLER	2	2	2	2	2	2	R	
		(A=M/#21534)	(B=M/#21534)								

Remarks
(1)RUBBER CRAWLER SPEC.
(2)SHAFT, CARRIER ROLLER WAS STOPPED TO SUPPLY.
(3)IRON CRAWLER SPEC.
(4)D : Ref.No.37,37-1 71mm, No.37-2 80mm.

N:Old ⇄ New (Yes/No), Q:Old ⇄ New (No/Yes), R:Old ⇄ New (Yes/Yes), S:Old ⇄ New (No/No), W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

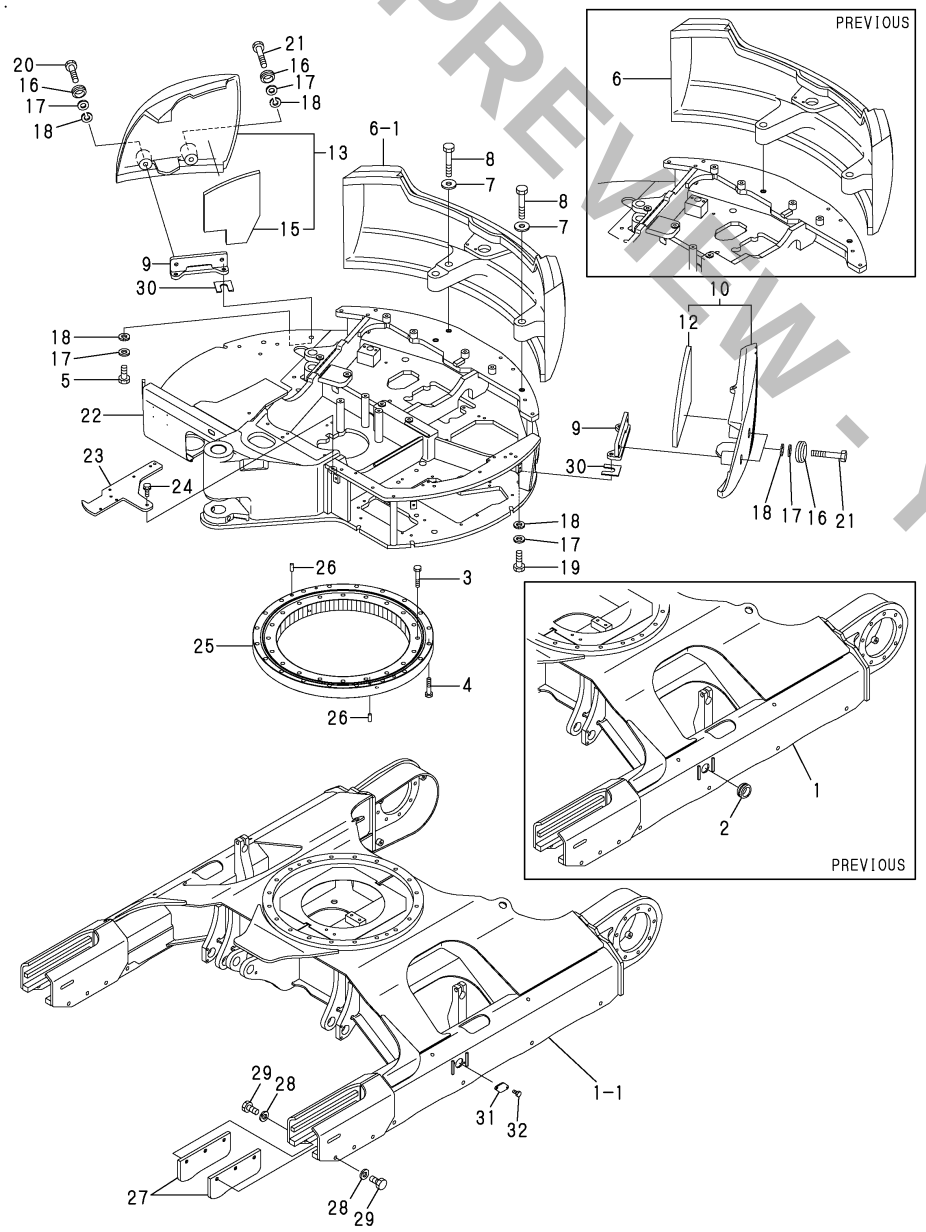
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Fig.33. FRAME & TURNING BEARING



(A)=VIO40-2C(US) (D)=VIO40-2P(AS)
(B)=VIO40-2P(US) (E)=VIO40-2C(NZ)
(C)=VIO40-2C(AS) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172460-50100-1	LOWER FLAME(GREEN:82	1	1	1	1	1	1		
1-1	1	172460-50101-1	FRAME ASSY,LOWER(82)	1	1	1	1	1	1	S	1
	(A=M/#22132)	(B=M/#22132)	(C=M/#22132) (D=M/#22132)	(E=M/#22132)			(F=M/#22132)				
2	1	172141-50890	GROMMET	2	2	2	2	2	2	Z	
	(A=M/#22132)	(B=M/#22132)	(C=M/#22132) (D=M/#22132)	(E=M/#22132)			(F=M/#22132)				
3	1	172455-57650	BOLT 16X90	20	20	20	20	20	20		
4	1	172455-57661	BOLT 16X80	20	20	20	20	20	20		
5	1	26116-160402	BOLT, M16X 40 PLATED	2	2	2	2	2	2		
6	1	172460-53300-1	WEIGHT, COUNTER	1	1	1	1	1	1		
6-1	1	172460-53301-1	WEIGHT, COUNTER	1	1	1	1	1	1	S	
	(A=M/#22163)	(B=M/#22163)	(C=M/#22163) (D=M/#22163)	(E=M/#22163)			(F=M/#22163)				
7	1	172187-53320	WASHER 24.5X65X8	2	2	2	2	2	2		
8	1	172455-53330	BOLT 24X140	2	2	2	2	2	2		
9	1	172460-53330-1	BRACKET (GREEN:86)	2	2	2	2	2	2		
10	1	172460-53360-1	WEIGHT, SIDE	1	1	1	1	1	1		
12	2	172460-53370	SPONGE	1	1	1	1	1	1		
13	1	172460-53380-1	WEIGHT, SIDE	1	1	1	1	1	1		
15	2	172460-53390	SPONGE	1	1	1	1	1	1		
16	1	172151-53430	GROMMET, 34	4	4	4	4	4	4		
16-1	1	172456-53700	GROMMET	4	4	4	4	4	4	N	
	(A=M/#22082)	(B=M/#22082)	(C=M/#22082) (D=M/#22082)	(E=M/#22082)			(F=M/#22082)				
17	1	172165-53500	WASHER	8	8	8	8	8	8		
18	1	22217-160000	WASHER, SPRING 16	8	8	8	8	8	8		
19	1	26116-160502	BOLT, M16X 50 PLATED	2	2	2	2	2	2		
20	1	26116-160702	BOLT M16X 70 PLATED	1	1	1	1	1	1		
21	1	26116-160902	BOLT M16X 90 PLATED	3	3	3	3	3	3		
22	1	172460-54100-1	FRAME (GREEN:86)	1	1	1	1	1	1		
23	1	172460-54600-1	PLATE (GREEN:86)	1	1	1	1	1	1		
23-1	1	172460-54590-1	PLATE, BASE(GREEN:86	1	1	1	1	1	1	N	
	(A=M/#21823)	(B=M/#21823)	(C=M/#21823) (D=M/#21823)	(E=M/#21823)			(F=M/#21823)				
24	1	26013-100252	BOLT, M10X 25	1	1	1	1	1	1		
25	1	172445-57600	BEARING,TURNING	1	1	1	1	1	1		
26	1	172122-57620	PARALLEL PIN 13X36	4	4	4	4	4	4		
27	1	172423-50810-1	GUARD, CRAWLER	4	4	4	4	4	4		
28	1	22217-160000	WASHER, SPRING 16	12	12	12	12	12	12		
29	1	26116-160352	BOLT, M16X 35 PLATED	12	12	12	12	12	12		
30	1	172117-53320	SPACER ASSY	2	2	2	2	2	2	W	
	(A=M/#21168)	(B=M/#21168)									
31	1	172458-50480-1	COVER, FRAME	2	2	2	2	2	2	W	1
	(A=M/#22132)	(B=M/#22132)	(C=M/#22132) (D=M/#22132)	(E=M/#22132)			(F=M/#22132)				
32	1	26106-100122	BOLT, M10X 12 PLATED	4	4	4	4	4	4	W	1
	(A=M/#22132)	(B=M/#22132)	(C=M/#22132) (D=M/#22132)	(E=M/#22132)			(F=M/#22132)				

Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.1-1,31,32

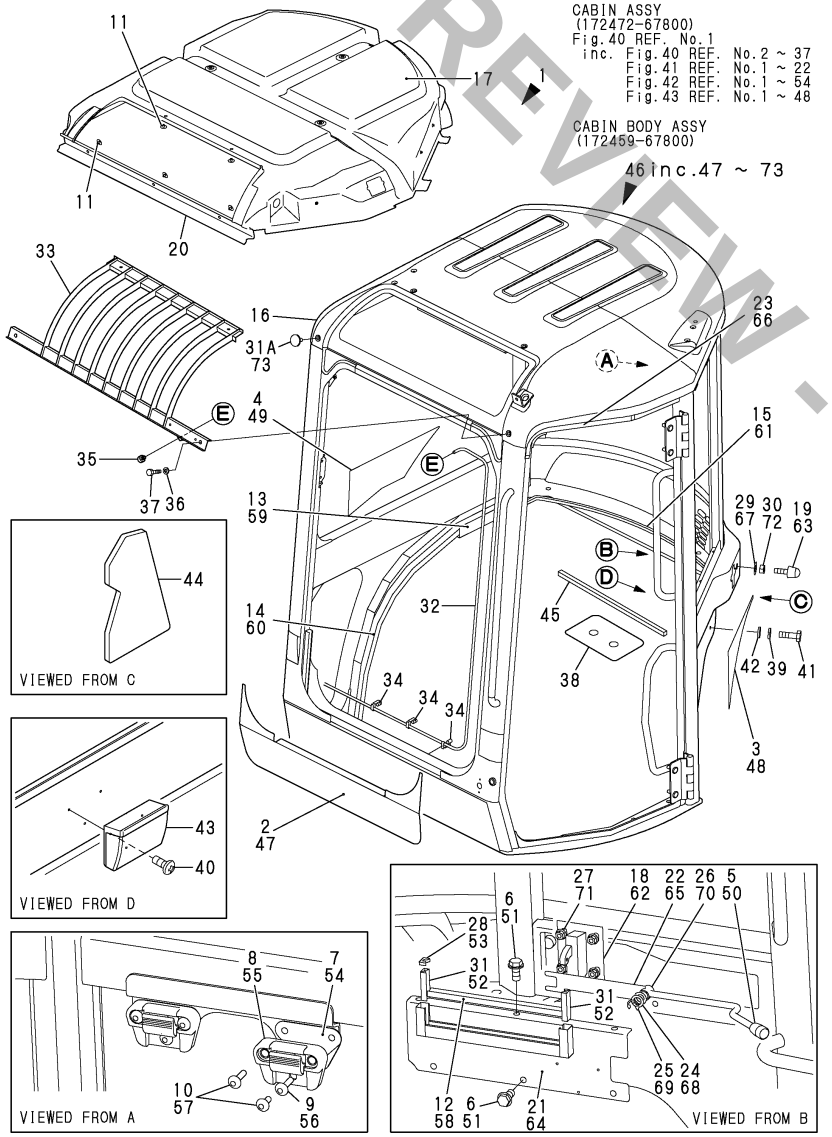
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add,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

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Fig.40. CABIN(BODY)



(A)=VIO40-2C(US) (D)=VIO40-2P(AS)
(B)=VIO40-2P(US) (E)=VIO40-2C(NZ)
(C)=VIO40-2C(AS) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172472-67800	CABIN ASSY	1		1		1			
1-1	1	172472-67801	CABIN ASSY	1		1		1		N	
	(A=M/#21891)		(C=M/#21891)	(E=M/#21891)							
1-2	1	172472-67802	CABIN ASSY	1		1		1		N	
	(A=*2004.05)		(C=*2004.05)	(E=*2004.05)							
1-3	1	172458-67804	CABIN ASSY	1		1		1		N	
	(A=*2004.07)		(C=*2004.07)	(E=*2004.07)							
2	2	172458-03310	LABEL	1		1		1			
3	2	172458-03320	LABEL	1		1		1			
4	2	172458-03330	LABEL	1		1		1			
5	2	1E5100-51430	KNOB CLUTCH(RED	1		1		1			
6	2	172519-63240	BOLT	6		6		6			
7	2	172455-67330	PLATE ASSY LOW GLASS	2		2		2			
8	2	172455-67340	HOLDER GLASS UP	2		2		2			
9	2	172455-67350	SCREW	4		4		4			
10	2	172455-67360	SCREW	2		2		2			
11	2	172455-67550	CLIP	15		15		15			
12	2	172458-67840	RUN, GLASS	1		1		1			
13	2	172458-67960	SEAL	1		1		1			
14	2	172458-67970	SEAL	1		1		1			
15	2	172458-67980	SEAL	1		1		1			
15-1	2	172458-67981	SEAL	1		1		1		S	
	(A=M/#22163)		(C=M/#22163)	(E=M/#22163)							
16	2	172472-67900	FRAME,CABIN(GREEN:83	1		1		1			1
16-1	2	172472-67901	FRAME,CABIN(GREEN:83	1		1		1		S	
	(A=M/#21861)		(C=M/#21861)	(E=M/#21861)							
16-2	2	172472-67902	FRAME ASSY,CABIN(83)	1		1		1		N	
	(A=*2004.05)		(C=*2004.05)	(E=*2004.05)							
16-3	2	172458-68004	FRAME,CABIN(GREEN:83	1		1		1		N	
	(A=*2004.07)		(C=*2004.07)	(E=*2004.07)							
17	2	172458-68850	INNER ROOF	1		1		1			
17-1	2	172458-68851	INNER ROOF	1		1		1		S	
	(A=M/#21861)		(C=M/#21861)	(E=M/#21861)							
18	2	172162-69050	LOCK ASSY	1		1		1			
19	2	172165-69190	RUBBER, STOPPER	1		1		1			
20	2	172458-69220	INNER FRONT	1		1		1			
21	2	172458-69790	COVER ASSY	1		1		1			
22	2	172458-69830	LEVER	1		1		1			
23	2	172458-69930	SEAL, DOOR	1		1		1			
24	2	22117-120000	WASHER, 12	2		2		2			
25	2	22272-000100	RING, E-10	1		1		1			
26	2	24550-012200	BUSH, 12X20	1		1		1			
27	2	26366-080002	NUT, M8	4		4		4			
28	2	172455-67320	CAP, CHANNEL	2		2		2			
29	2	22117-100000	WASHER, 10	1		1		1			
30	2	26716-100002	NUT, M10	1		1		1			
31	2	172455-67310	RUN, GLASS	2		2		2			
31A	2	172455-67440	CLIP, TREE	4		4		4		W	
	(A=MXXX)		(C=MXXX)	(E=MXXX)							
32	2	172472-17620	HOSE, WASHER	1		1		1		Z	
	(A=*2004.07)		(C=*2004.07)	(E=*2004.07)							

Remarks
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.
REF. NO. 37A-37G.
(2)LABELS ARE NOT ILLUSTRATED.

N:Old ⇄ New, Q:Old ⇄ New, R:Old ⇄ New, S:Old ⇄ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

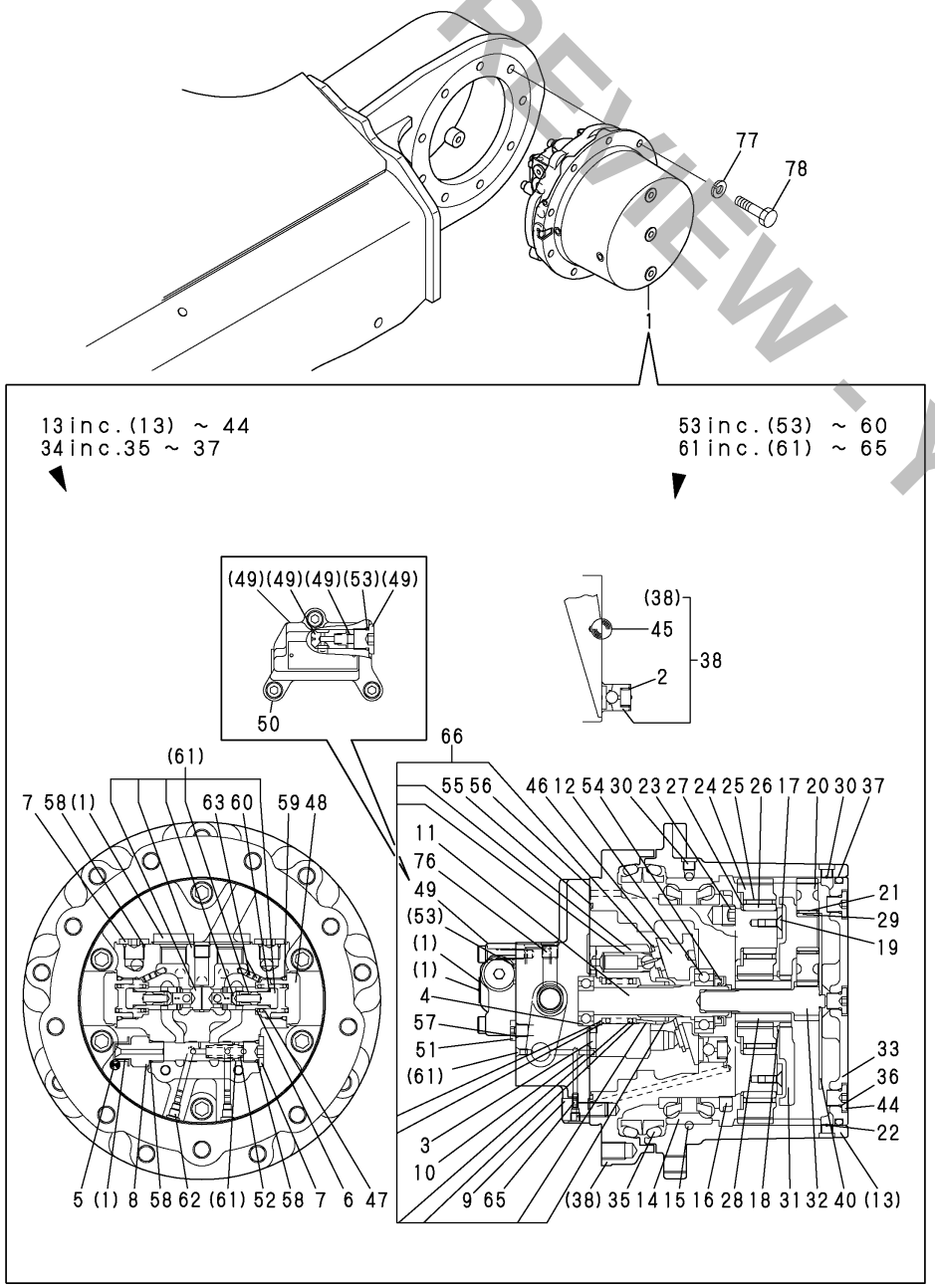
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Fig.62. TRAVEL MOTOR



(A)=VIO40-2C(US) (B)=VIO40-2P(US) (C)=VIO40-2C(AS) (D)=VIO40-2P(AS) (E)=VIO40-2C(NZ) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172460-73300	TRAVEL MOTOR	2	2	2	2	2	2		
2	2	172147-70360	SPRING	4	4	4	4	4	4		
3	2	172147-70370	PLATE VALVE	2	2	2	2	2	2		
4	2	172147-70390	BALL BEARING	2	2	2	2	2	2		
5	2	172122-70410	PIN	4	4	4	4	4	4		
6	2	172122-70460	SEAT, SPRING	4	4	4	4	4	4		
7	2	172147-70500	PLUG	6	6	6	6	6	6		
8	2	172147-70520	PLUG	2	2	2	2	2	2		
9	2	172147-70540	HEAD BOLT, SOCKET	12	12	12	12	12	12		
10	2	172122-73470	PIN	2	2	2	2	2	2		
11	2	172423-73470	SHAFT	2	2	2	2	2	2		
12	2	172423-73480	BEARING	2	2	2	2	2	2		
13	2	172460-73500	GEAR, REDUCTION	2	2	2	2	2	2		
14	3	172124-70010	BEARING	2	2	2	2	2	2		
15	3	172124-70030	BALL	198	198	198	198	198	198		
16	3	172124-70050	NUT, RING	2	2	2	2	2	2		
17	3	172147-70070	PLATE	2	2	2	2	2	2		
18	3	172147-70090	SNAP RING	2	2	2	2	2	2		
19	3	172141-70110	SCREW	8	8	8	8	8	8		
20	3	172147-70110	GEAR, PLANETARY	6	6	6	6	6	6		
21	3	172147-70120	GAUGE ASSY	6	6	6	6	6	6		
22	3	172147-70210	WIRE	2	2	2	2	2	2		
23	3	172423-73330	PLUG	4	4	4	4	4	4		
24	3	172423-73340	GEAR, PLANETARY	8	8	8	8	8	8		
25	3	172423-73350	BEARING	8	8	8	8	8	8		
26	3	172423-73360	LATHE	8	8	8	8	8	8		
27	3	172423-73370	WASHER	8	8	8	8	8	8		
28	3	172423-73380	GEAR, SUN	2	2	2	2	2	2		
29	3	172423-73410	LATHE	6	6	6	6	6	6		
30	3	172122-73430	PLUG	4	4	4	4	4	4		
31	3	172460-73510	HOLDER	2	2	2	2	2	2		
32	3	172460-73530	GEAR, DRIVE	2	2	2	2	2	2		
33	3	172460-73540	COVER	2	2	2	2	2	2		
34	3	172460-73600	SEAL SET, REDUCTION	2	2	2	2	2	2		
35	4	172147-70020	SEAL, FLOATING	2	2	2	2	2	2		
36	4	24315-000110	O-RING, 1BP11.0	6	6	6	6	6	6		
37	4	172423-73690	O-RING	2	2	2	2	2	2		
38	3	172460-73620	FRAMGE	2	2	2	2	2	2		
40	3	172460-73630	PLATE	2	2	2	2	2	2		
44	3	172183-73770	PLUG	6	6	6	6	6	6		
45	2	172423-73510	BOLL	4	4	4	4	4	4		
46	2	172460-73550	PLATE	2	2	2	2	2	2		
47	2	172460-73560	SPRING	4	4	4	4	4	4		
48	2	172460-73570	CAP	4	4	4	4	4	4		
49	2	172460-73580	VALVE	2	2	2	2	2	2		
50	3	172460-73520	HEAD BOLT	6	6	6	6	6	6		
51	2	172460-73590	PLUG	4	4	4	4	4	4		
52	2	172423-73600	SPRING	2	2	2	2	2	2		
53	2	172460-73610	SEAL SET, MOTOR	2	2	2	2	2	2		
54	3	172423-73490	SEAL, OIL	2	2	2	2	2	2		
55	3	172423-73560	O-RING	2	2	2	2	2	2		

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

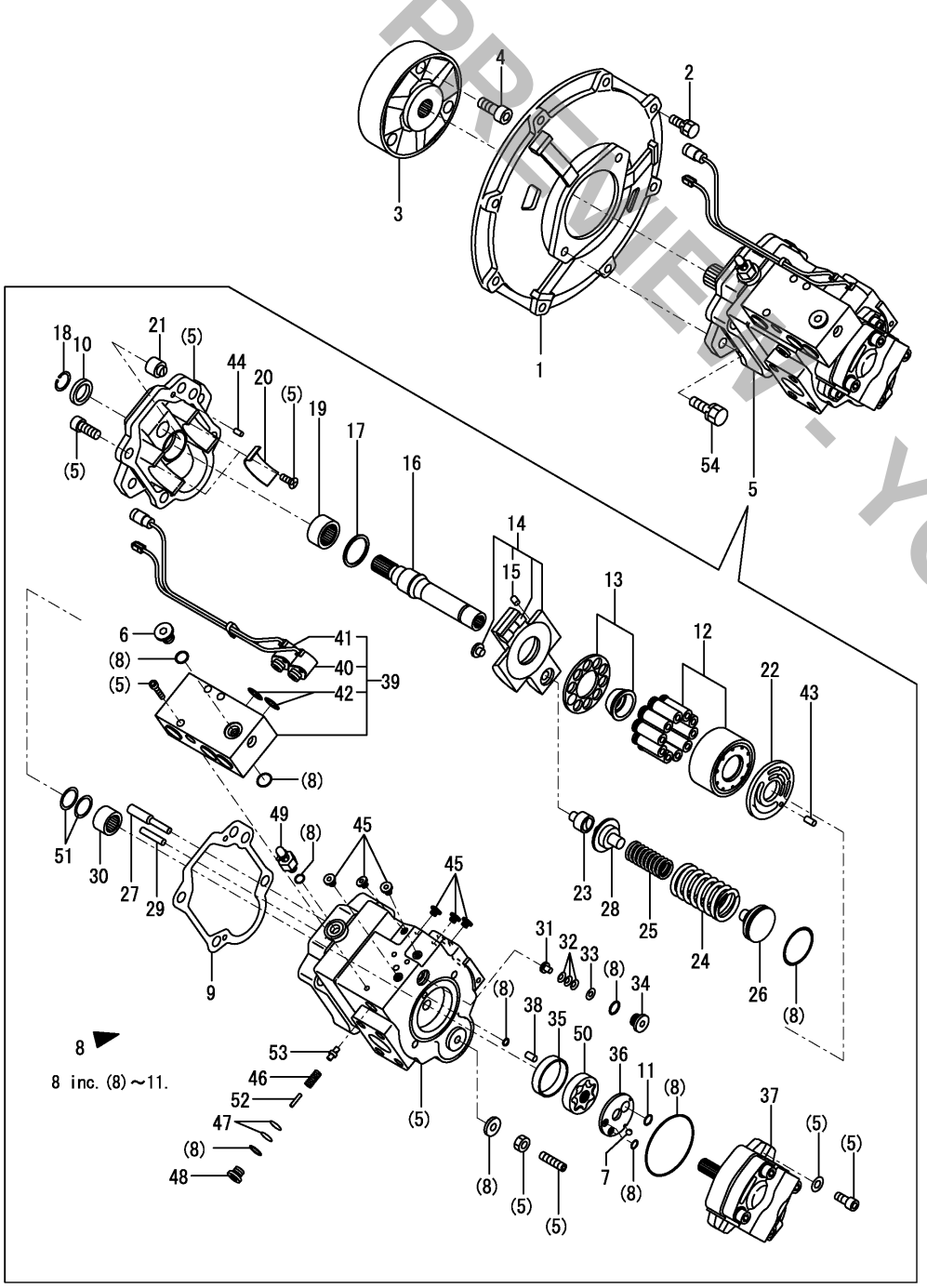
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Fig.52. HYD.OIL PUMP & JOINT



(A)=VIO40-2C(US) (D)=VIO40-2P(AS)
(B)=VIO40-2P(US) (E)=VIO40-2C(NZ)
(C)=VIO40-2C(AS) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172168-71101-2	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	172460-73100	PUMP ASSY	1	1						
5-1	1	172460-73101	PUMP ASSY	1	1					N	
	(A=M/#22170) (B=M/#22170)										
5-2	1	172460-73102	PUMP ASSY	1	1					N	
	(A=*2004.02) (B=*2004.02)										
5-3	1	172460-73103	PUMP ASSY	1	1					N	
	(A=*2004.06) (B=*2004.06)										
6	2	172148-70301	PLUG	1	1						
7	2	172122-70350	BALL	1	1						
8	2	172460-73110	SEAL SET	1	1						
8-1	2	172460-73111	SEAL SET	1	1					N	
	(A=*2004.02) (B=*2004.02)										
9	3	172460-73170	GASKET	1	1						
10	3	172460-73190	SEAL, OIL	1	1						
11	3	172460-73400	O-RING	1	1						
12	2	172460-73120	CYLINDER BLOCK KIT	1	1						
12-1	2	172460-73121	CYLINDER BLOCK KIT	1	1					N	
	(A=*2004.06) (B=*2004.06)										
13	2	172460-73130	RETAINER	1	1						
14	2	172460-73140	PLATE	1	1						
15	3	172312-74790	ORIFICE	1	1						
16	2	172460-73150	SHAFT	1	1						
17	2	172460-73160	WASHER	1	1						
18	2	172460-73180	RING	1	1						
19	2	172460-73200	BEARING	1	1						
20	2	172460-73210	BUSH	2	2						
21	2	172460-73220	STOPPER	1	1						
22	2	172460-73230	PLATE	1	1						
22-1	2	172460-73231	PLATE, VALVE	1	1					N	
	(A=*2004.06) (B=*2004.06)										
23	2	172460-73240	HOLDER	1	1						
24	2	172460-73250	SPRING	1	1						
24-1	2	172461-73110	SPRING	1	1					N	
	(A=*2004.06) (B=*2004.06)										
25	2	172460-73260	SPRING	1	1						
25-1	2	172460-73440	SPRING	1	1					N	
	(A=*2004.06) (B=*2004.06)										
26	2	172460-73270	SEAT, SPRING	1	1						
26-1	2	172461-73270	SEAT, SPRING	1	1					N	
	(A=*2004.02) (B=*2004.06)										
27	2	172460-73280	PIN	1	1						
28	2	172176-73290	SEAT, SPRING	1	1						
29	2	172460-73290	PIN	1	1						
30	2	172460-73330	BEARING	1	1						
31	2	172460-73340	STOPPER	1	1						
32	2	172460-73350	SPRING, DISK	3	3						
33	2	172460-73360	WASHER	1	1						

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

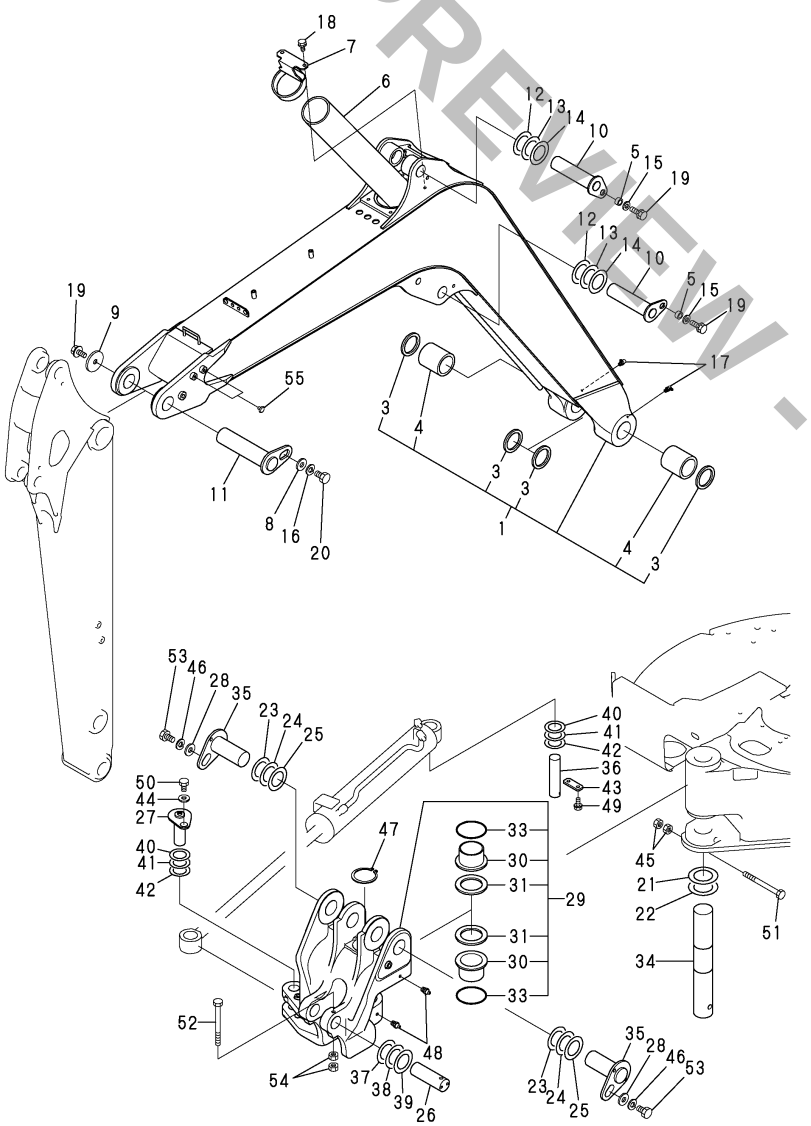
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Fig.84. BOOM & BOOM BRACKET



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

(A)=VIO40-2C(US) (B)=VIO40-2P(US) (C)=VIO40-2C(AS) (D)=VIO40-2P(AS) (E)=VIO40-2C(NZ) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172460-81090	BOOM ASSY(YELLOW:87)	1	1	1	1	1	1	W	1
	(A=M/#22163)	(B=M/#22163)	(C=M/#22163) (D=M/#22163)	(E=M/#22163)			(F=M/#22163)				
3	2	172162-81050	SEAL, DUST 60X75X6	4	4	4	4	4	4		
3-1	2	172020-10620	SEAL, DUST	4	4	4	4	4	4	R	
	(A=M/#22163)	(B=M/#22163)	(C=M/#22163) (D=M/#22163)	(E=M/#22163)			(F=M/#22163)				
4	2	172460-81400	BUSH	2	2	2	2	2	2	Z	
4A	1	172437-03431	LABEL,STEERING	1	1	1	1	1	1		2
4B	1	172437-03460	LABEL, BOOM	2	2	2	2	2	2		2
4C	1	172472-03270	LABEL,SAND US	1	1	1	1	1	1		2
4D	1	172472-03280	LABEL	1	1	1	1	1	1		2
5	1	172164-81670	SPACER	2	2	2	2	2	2		
6	1	172460-81710	PIPE	1	1	1	1	1	1		
7	1	172460-81740-1	PLATE (YELLOW:87)	1	1	1	1	1	1		
8	1	172187-81970	WASHER	1	1	1	1	1	1		
9	1	172147-82140	WASHER	1	1	1	1	1	1		
10	1	172460-82480-1	PIN 50X204(YELLOW:87	2	2	2	2	2	2		
11	1	172460-82500-1	PIN 60X245(YELLOW:87	1	1	1	1	1	1		
12	1	172165-82520	SHIM	2	2	2	2	2	2		
13	1	172165-82530	SHIM	2	2	2	2	2	2		
14	1	172165-82540	SHIM, 50X85X1.6	2	2	2	2	2	2	Z	
	(A=MXXX)	(B=MXXX)	(C=MXXX) (D=MXXX)	(E=MXXX)			(F=MXXX)				
15	1	22157-120000	WASHER, 12	2	2	2	2	2	2		
16	1	22217-140000	WASHER, SPRING 14	1	1	1	1	1	1		
17	1	24761-040000	NIPPLE, GREASE B	2	2	2	2	2	2		
18	1	26013-100162	BOLT, M10X 16	2	2	2	2	2	2		
19	1	26013-120252	BOLT, M12X 25	3	3	3	3	3	3		
20	1	26116-140252	BOLT, M14X 25 PLATED	1	1	1	1	1	1		
21	1	172176-81700	SHIM	1	1	1	1	1	1		
22	1	172176-81710	SHIM	1	1	1	1	1	1		
23	1	172460-81800	SHIM	2	2	2	2	2	2		
24	1	172460-81810	SHIM	2	2	2	2	2	2		
25	1	172460-81820	SHIM	2	2	2	2	2	2		
26	1	172458-81830	PIN 50X136	1	1	1	1	1	1		
27	1	172458-81930-1	PIN 40X111(YELLOW:87	1	1	1	1	1	1		
28	1	172187-81970	WASHER	2	2	2	2	2	2		
29	1	172460-82300-1	BRACKET (YELLOW:87)	1	1	1	1	1	1		
30	2	172165-81710	BUSH 70X85	2	2	2	2	2	2		
31	2	172165-81770	SEAL, DUST	2	2	2	2	2	2		
33	2	24321-000700	O-RING, 1AG70.0	2	2	2	2	2	2		
34	1	172460-82400	PIN	1	1	1	1	1	1		
35	1	172460-82410-1	PIN 60X142(YELLOW:87	2	2	2	2	2	2		
36	1	172460-82430	PIN	1	1	1	1	1	1		
37	1	172165-82520	SHIM	2	2	2	2	2	2		
38	1	172165-82530	SHIM	2	2	2	2	2	2		
39	1	172165-82540	SHIM, 50X85X1.6	2	2	2	2	2	2	Z	
	(A=MXXX)	(B=MXXX)	(C=MXXX) (D=MXXX)	(E=MXXX)			(F=MXXX)				
40	1	172165-82580	SHIM	4	4	4	4	4	4		
41	1	172165-82590	SHIM	4	4	4	4	4	4		
42	1	172165-82600	SHIM	4	4	4	4	4	4		
43	1	172117-83970-5	PLATE(C),LOCK (86)	1	1	1	1	1	1		
44	1	22157-120000	WASHER, 12	1	1	1	1	1	1		

N:Old ⇄ New (Yes/No), Q:Old ⇄ New (No/Yes), R:Old ⇄ New (Yes/Yes), S:Old ⇄ New (No/No), W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

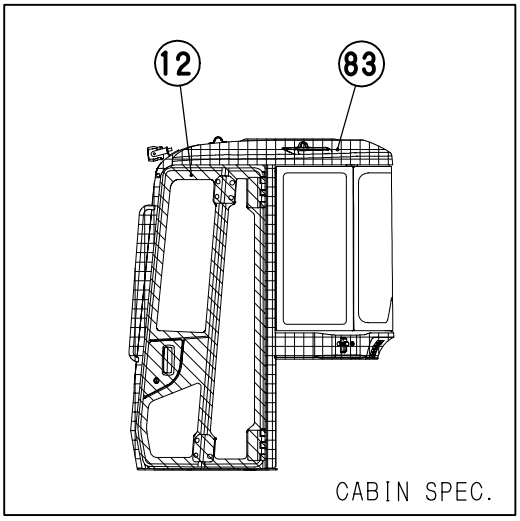
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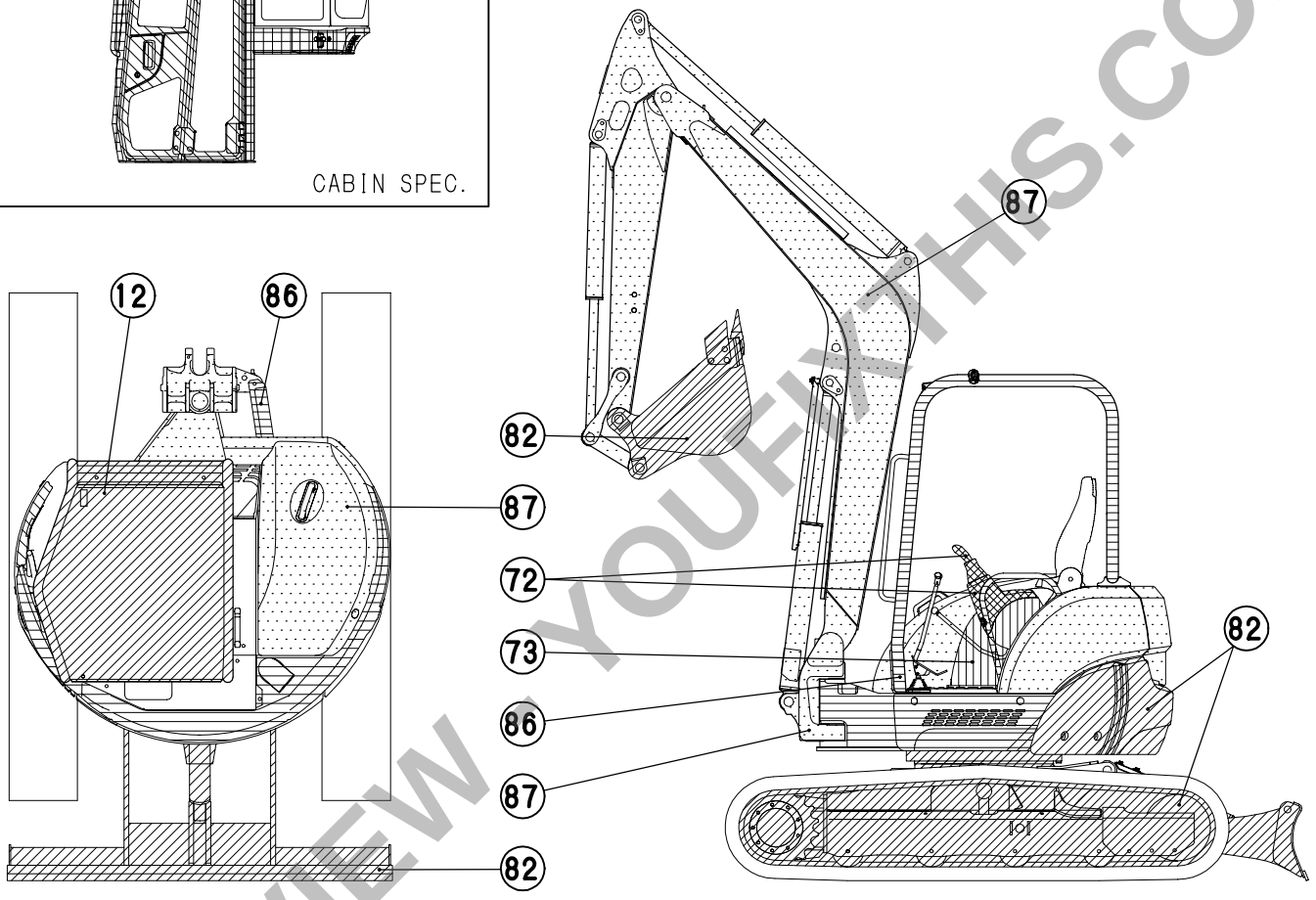
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1 [PAINTED COLOR LIST]

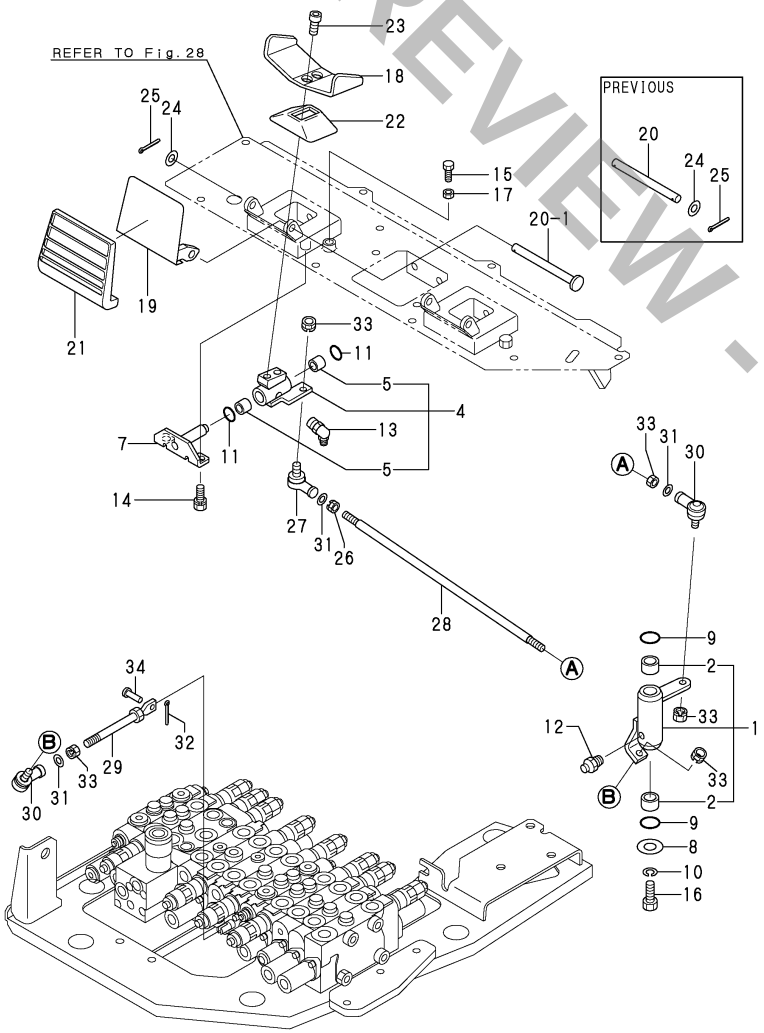




COLOR CODE	DESCRIPTION	PAINTED COLOR MUNSEL No.	PAINT PART No.		
			16ℓCAN	4ℓCAN	SPRAY
12		YANMAR BLACK 4.90PB0.08/0.41	----------	TOR-91220001	TOR-90220003
72		YANMAR DARK OLIVE GRAY 7.21Y2.92/0.79	----------	977620-40720	TOR-90460003
73		YANMAR WARM GRAY 5.52Y4.91/1.09	----------	----------	TOR-90450003
82		YANMAR DEEP GREEN 6.39BG2.13/1.73	981101-09517	977620-40820	977620-30N31
83		YANMAR GRAYISH GREEN 2.15G4.87/1.52	981101-09615	977620-40830	977620-30N41
86		YANMAR NEW GRAYISH GREEN 2.62BG4.76/2.87	981101-09616	977620-40860	977620-30861
87		YANMAR NEW PERMANENT YELLOW 5.15Y8.45/10.81	981101-09519	977620-40870	977620-30871

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Fig.30. CONTROL EQUIPMENT(SWING PEDAL)



(A)=VIO40-2C(US) (D)=VIO40-2P(AS)
(B)=VIO40-2P(US) (E)=VIO40-2C(NZ)
(C)=VIO40-2C(AS) (F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
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		1
19A	1	172165-03231	LABEL, P.T.O.	1	1	1	1	1	1		2
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/#21937)	(B=M/#21937)	(C=M/#21937) (D=M/#21937)	(E=M/#21937)				(F=M/#21937)			
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	2	2	2	2		
24-1	1	22137-100000	WASHER, 10	1	1	1	1	1	1	K	
	(A=M/#21937)	(B=M/#21937)	(C=M/#21937) (D=M/#21937)	(E=M/#21937)				(F=M/#21937)			
25	1	22417-250200	PIN, COTTER 2.5X20	2	2	2	2	2	2		
25-1	1	22417-250200	PIN, COTTER 2.5X20	1	1	1	1	1	1	K	
	(A=M/#21937)	(B=M/#21937)	(C=M/#21937) (D=M/#21937)	(E=M/#21937)				(F=M/#21937)			
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		

Remarks
(1)PLEASE USE THIS PART WITH FOLLOWING LABELS AT THE SAME TIME.
REF. NO. 19A.
(2)LABELS ARE NOT ILLUSTRATED.

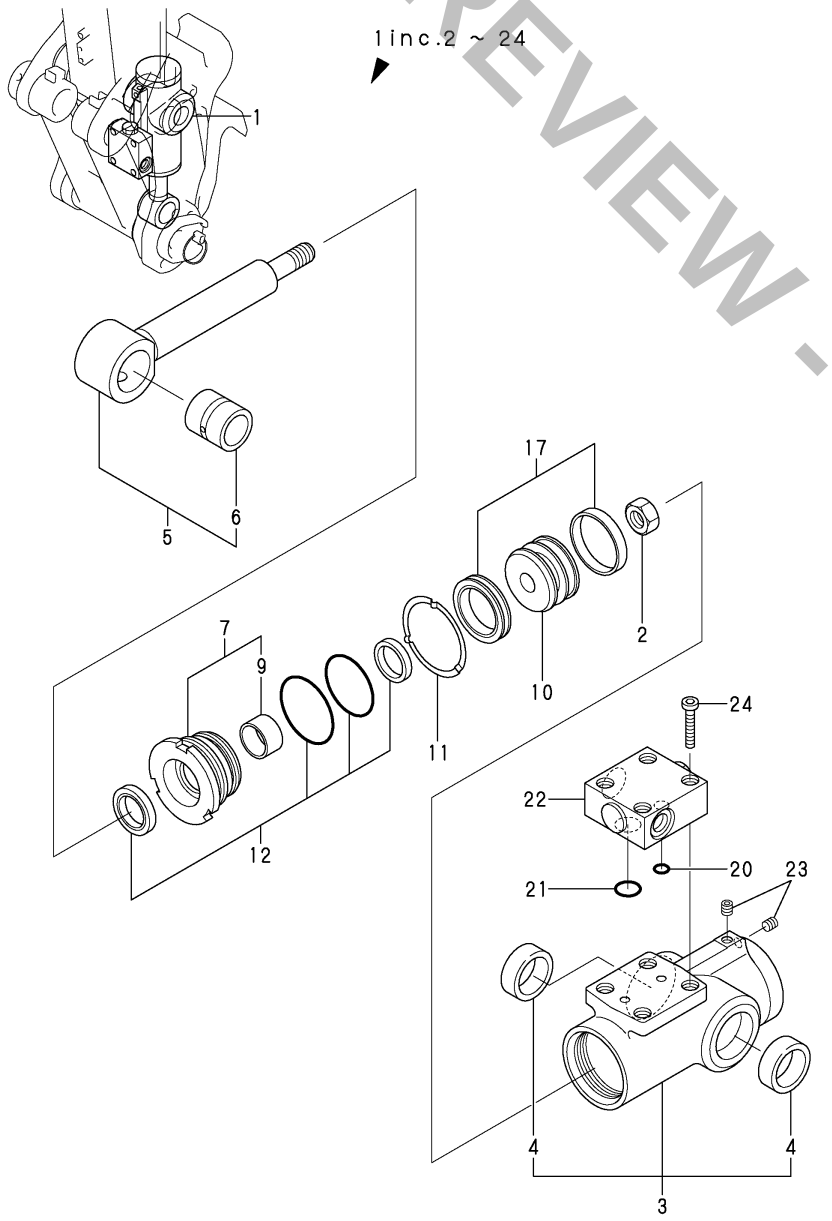
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add,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

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Fig.61. QUICK COUPLER CYLINDER



(A)=VIO40-2C(US)
(B)=VIO40-2P(US)
(C)=VIO40-2C(AS)
(D)=VIO40-2P(AS)
(E)=VIO40-2C(NZ)
(F)=VIO40-2P(NZ)

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	172960-72800-1	CYLINDER ASSY, HITCH	1	1	1	1	1	1		
2	2	172171-72130	NUT, M24	1	1	1	1	1	1		
3	2	172960-72810-1	TUBE, HITCH	1	1	1	1	1	1		
4	3	172960-72950	BUSH	2	2	2	2	2	2		
5	2	172960-72830	ROD ASSY,COUPLER	1	1	1	1	1	1		
6	3	172960-72920	BUSH	1	1	1	1	1	1		
7	2	172960-72860	HEAD	1	1	1	1	1	1		
9	3	24550-035200	BUSH, 35X20	1	1	1	1	1	1		
10	2	172960-72890	PISTON	1	1	1	1	1	1		
11	2	172960-72900	WASHER	1	1	1	1	1	1		
12	2	172960-72960	SEAL SET, HEAD	1	1	1	1	1	1		
17	2	172960-72970	SEAL SET, PISTON	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	1	1	1	1		
22-1	2	172958-72982-1	CHECK VALVE (87)	1	1	1	1	1	1	N	
	(A=M/#21937)	(B=M/#21937)	(C=M/#21937)	(D=M/#21937)	(E=M/#21937)			(F=M/#21937)			
23	2	23871-005000	PLUG, R005	2	2	2	2	2	2		
24	2	26450-060352	BOLT, M6X 35	4	4	4	4	4	4		

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

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