

0CS10-M38700EN

P R E F A C E

1. This parts catalog is the 1st edition of Yanmar crawler backhoe B22 - 2B for PANAMA.

Pub. No. : 000Y00S3870

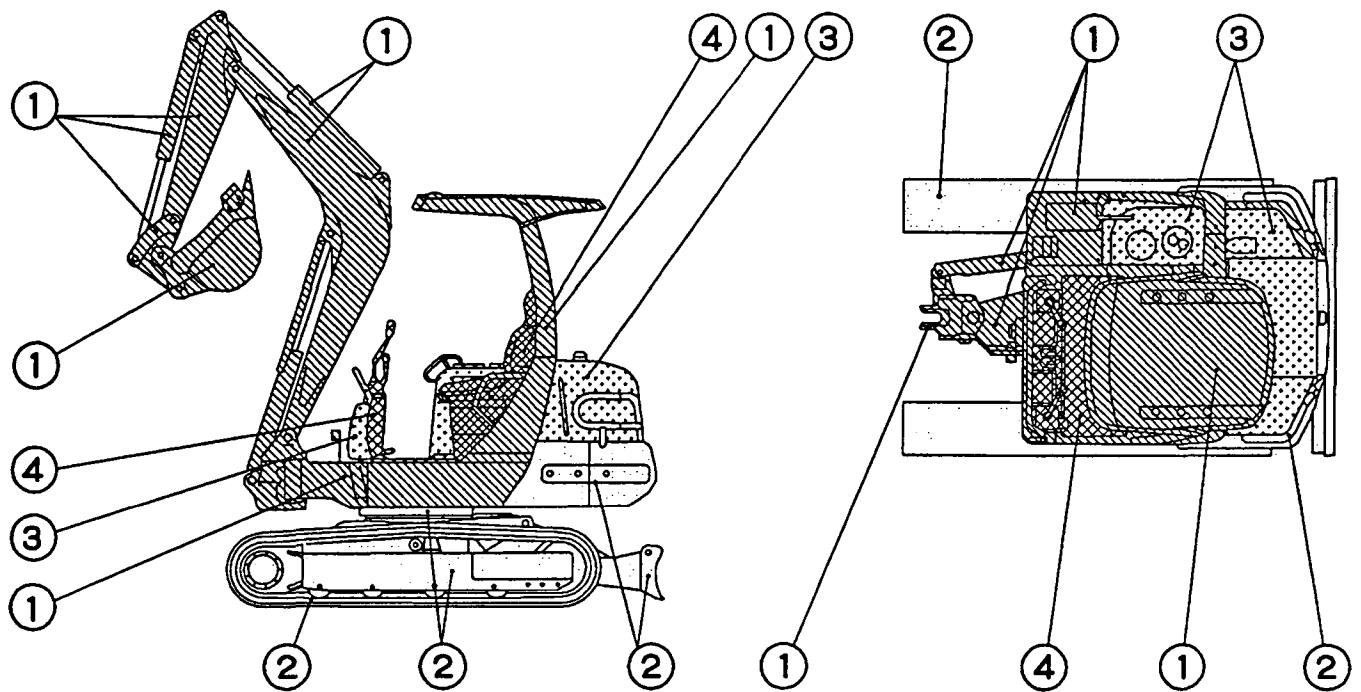
Published : May, 1999


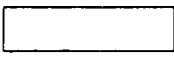
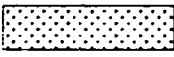

2. Model name

SECTION	Column	Model name	Manufactured	M/#
I (Vehicle)	(A)	B22 - 2B	1999/3 ~	60633 ~
II (Engine)	(A)	3TNE78A - B1		

3. 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.

1 [PAINTED COLOR LIST]



PART	DESCRIPTION	PAINTED COLOR MUNSEL No.	COLOR CODE
①		YANMAR PEACOCK GREEN 3.85BG5.31/9.15	97
②		YANMAR NEW DEEP GREEN 0.6B2.2/4.2	88
③		YANMAR CITRUS GREEN 4.84GY8.42/6.99	96
④		YANMAR DARK OLIVE GRAY 5.39Y2.92/0.78	72

2 [PAINT PART No.]

PART	PAINTED COLOR	PAINT PART No.		
		16QCAN	4QCAN	SPRAY
①	YANMAR PEACOCK GREEN	981101-09597	977620-40970	977620-30971
②	YANMAR NEW DEEP GREEN	981101-09588	977620-40880	977620-30881
③	YANMAR CITRUS GREEN	981101-09599	977620-40990	977620-30991
④	YANMAR DARK OLIVE GRAY	-----	977620-40720	TOR-90460003

3 [EXPRESSION OF PAINTED PARTS]

PART NO.	PART NAME	PAINTED COLOR
172141-82103 -4	ARM, 1080 (GREEN) (85)	YANMAR PEACOCK GREEN

(NOTE) () at the end of part name shows Pa nt Color.

4 [COLOR OF MAIN PARTS]

PART	PAINTED COLOR	MAIN PARTS
①	YANMAR PEACOCK GREEN	BOOM ARM BOOM CYLINDER ARM CYLINDER BUCKET CYLINDER BUCKET PIN CABIN TURNING FRAME CYLINDER COVER CANOPY POLE WORK LAMP COVER
②	YANMAR NEW DEEP GREEN	IRON CRAWLER BLADE BLADE CYLINDER SWING CYLINDER CABIN DOOR COUNTER WEIGHT ENGINE SURROUNDINGS TRAVEL CONNECTION
③	YANMAR CITRUS GREEN	BONNET FUEL TANK HYD. OIL TANK
④	YANMAR DARK OLIVE GRAY	OPTIONAL PART

PICTURESQUE INDEX (1) ··· MAIN PARTS

LABEL--FIG. 1
TOOL--FIG. 2

INLET HOSE & EXHAUST PIPE--FIG. 3
ENGINE MOUNT--FIG. 5
RADIATOR & MOUNT--FIG. 6
FUEL TANK & FUEL PIPE--FIG. 7
BONNET--FIG. 22
HYD.OIL PUMP & JOINT--FIG. 24

ACCELERATOR--FIG. 4
REMOTE CONTROL VALVE--FIG. 38

CANOPY--FIG. 23
ELECTRIC PART--FIG. 9

SEAT & SEAT MOUNT--FIG. 21

HYD.OIL TANK--FIG. 39

HYD.OIL PIPING--FIG. 40 ~ 45

WORK LAMP--FIG. 10
BOOM & ARM--FIG. 49

BOOM CYLINDER--FIG. 25

ARM CYLINDER--FIG. 26

SWING CYLINDER--FIG. 28

TRAVEL MOTOR--FIG. 30

STEP--FIG. 20

ROLLER & ADJUST--FIG. 11
CRAWLER--FIG. 12

BUCKET PIN--FIG. 50

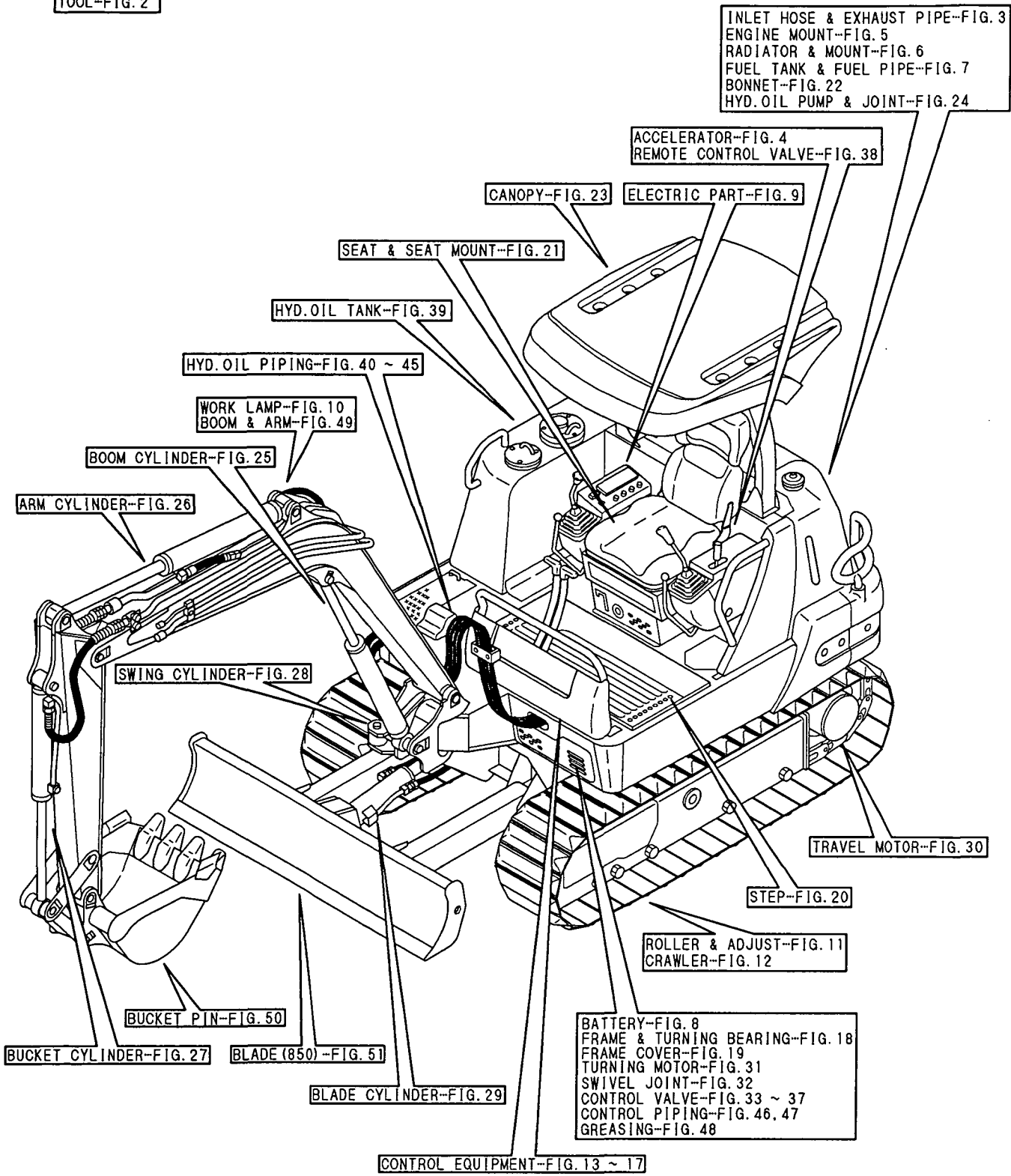
BATTERY--FIG. 8
FRAME & TURNING BEARING--FIG. 18
FRAME COVER--FIG. 19
TURNING MOTOR--FIG. 31
SWIVEL JOINT--FIG. 32
CONTROL VALVE--FIG. 33 ~ 37
CONTROL PIPING--FIG. 46, 47
GREASING--FIG. 48

BUCKET CYLINDER--FIG. 27

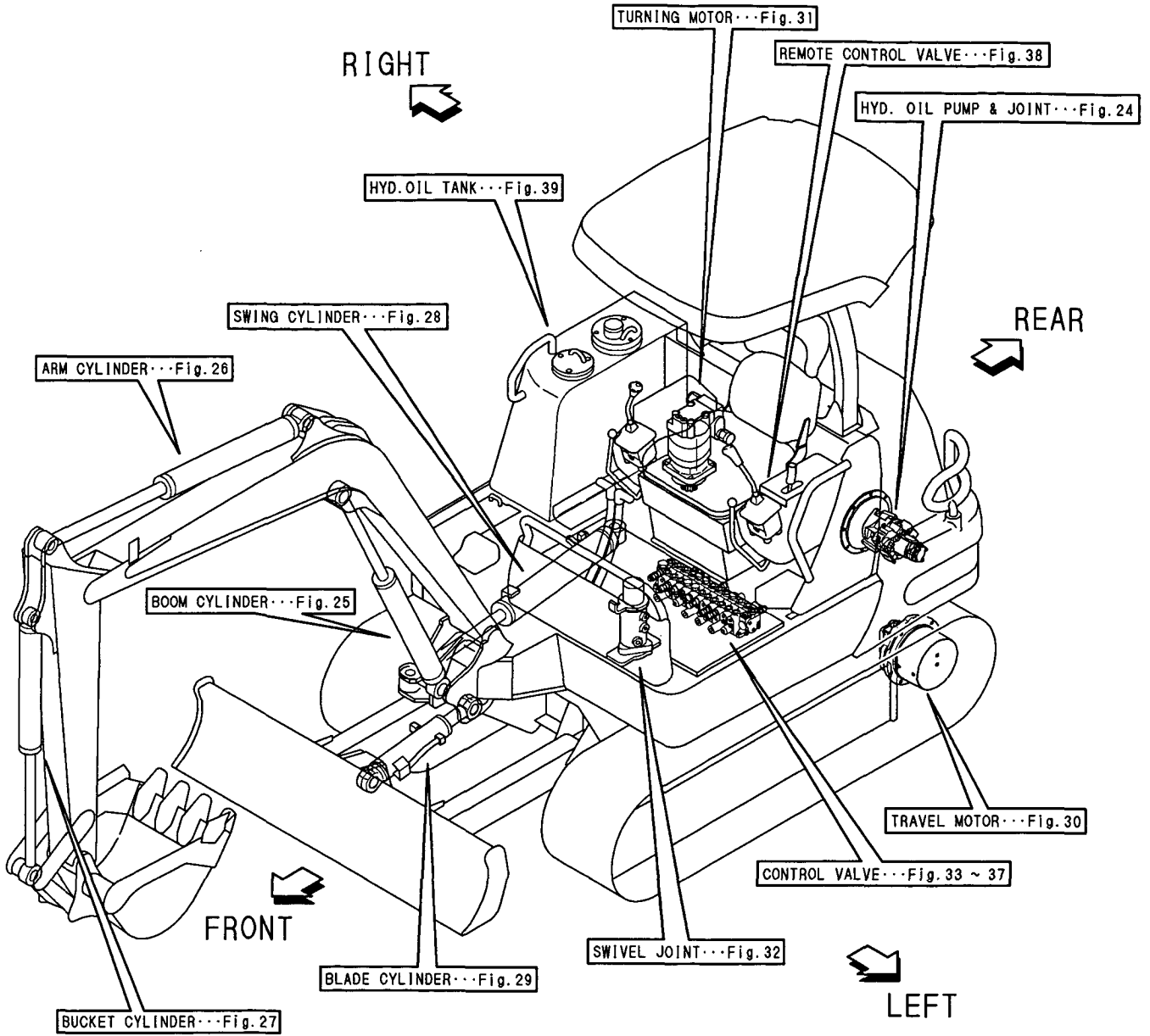
BLADE (850)--FIG. 51

BLADE CYLINDER--FIG. 29

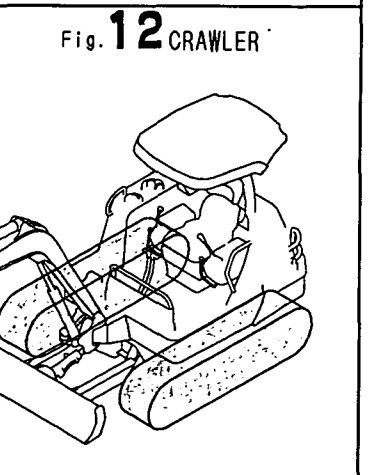
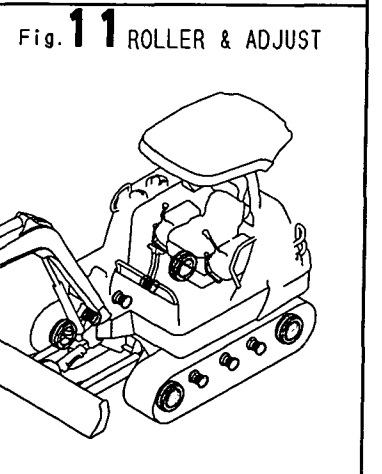
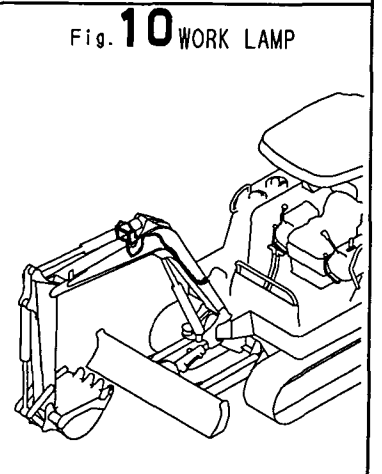
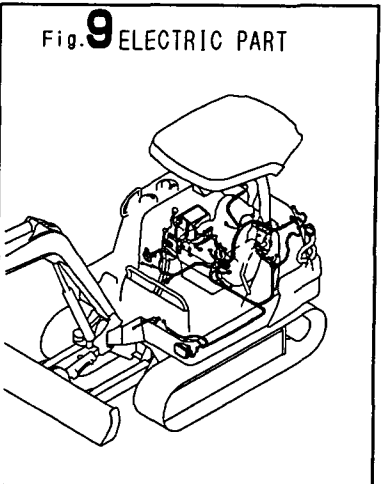
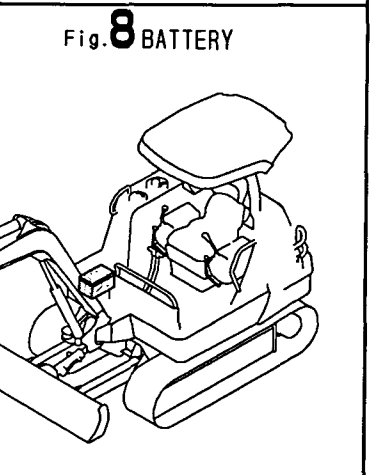
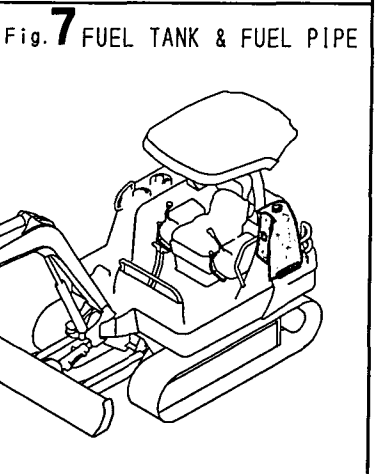
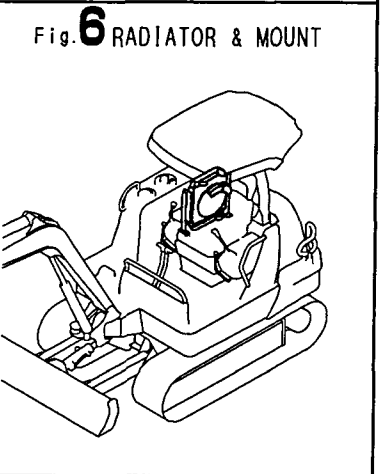
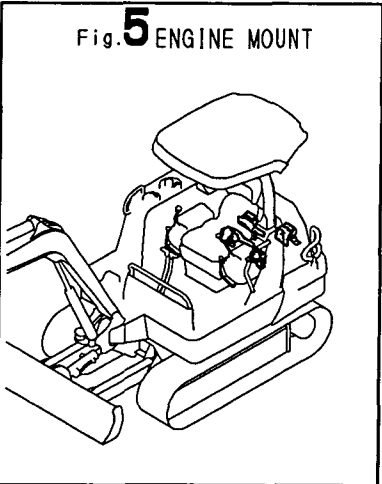
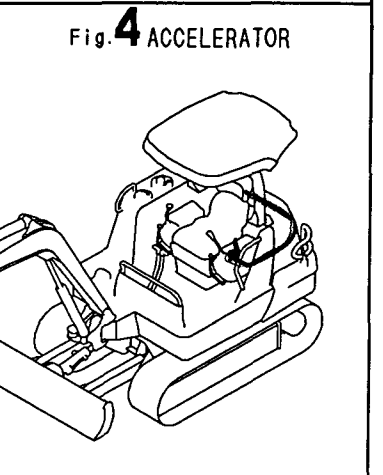
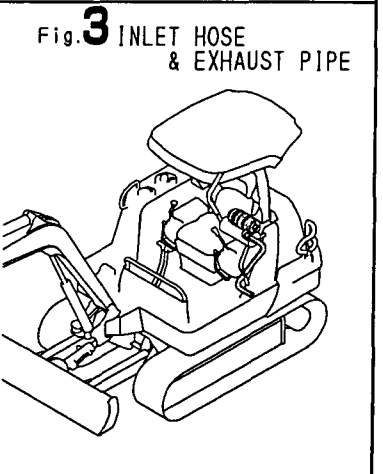
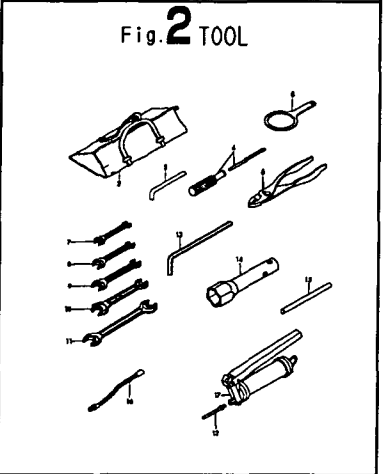
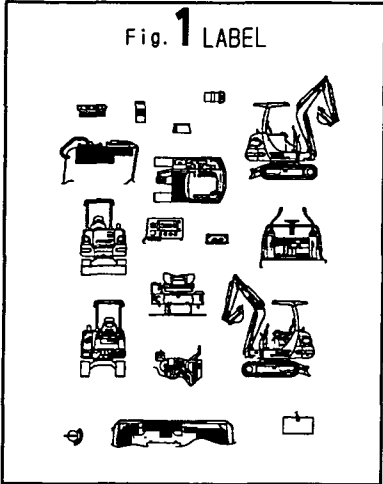
CONTROL EQUIPMENT--FIG. 13 ~ 17



PICTURESQUE INDEX (2) ···HYDRAULIC SECTION



PICTURESQUE INDEX FIGURE



PICTURESQUE INDEX.....FIGURE

Fig. 13 CONTROL EQUIPMENT
(LEVER STAND
& OPERATION LEVER)

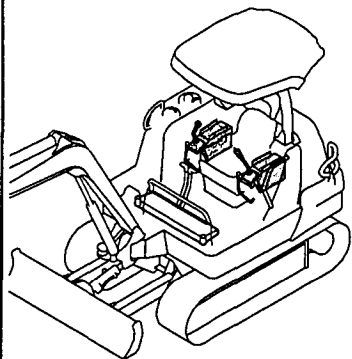


Fig. 17 CONTROL EQUIPMENT
(CUT OFF LEVER)

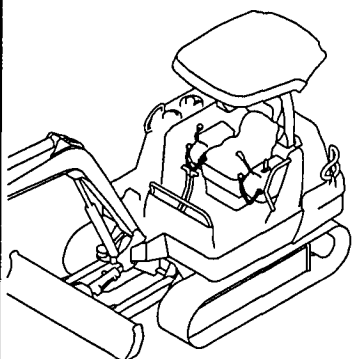


Fig. 21 SEAT & SEAT MOUNT

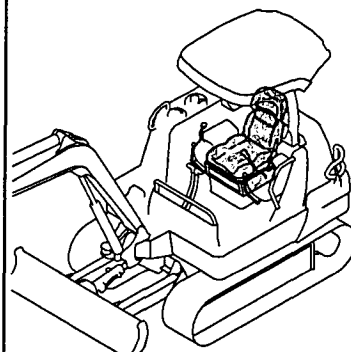


Fig. 14 CONTROL EQUIPMENT
(TRAVEL)

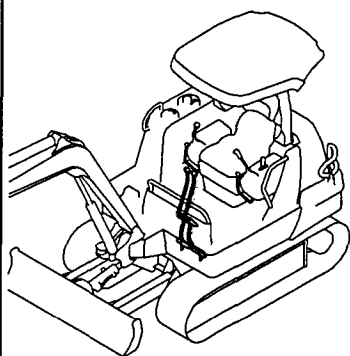


Fig. 18 FRAME
& TURNING BEARING

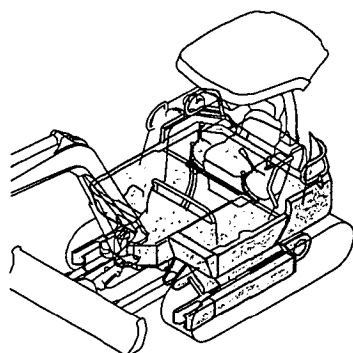


Fig. 22 BONNET

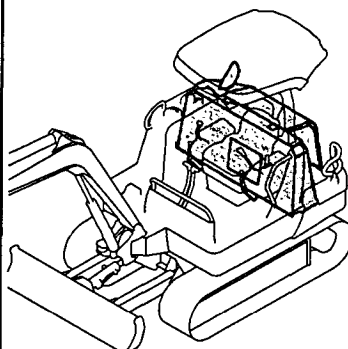


Fig. 15 CONTROL EQUIPMENT
(SWING)

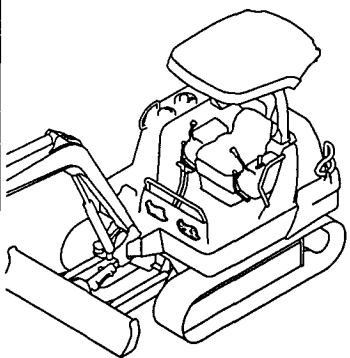


Fig. 19 FRAME COVER

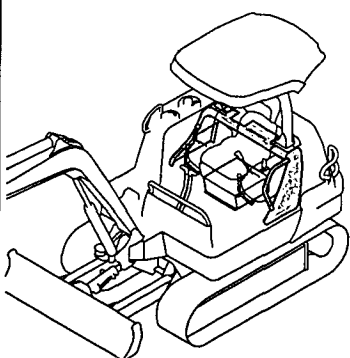


Fig. 23 CANOPY

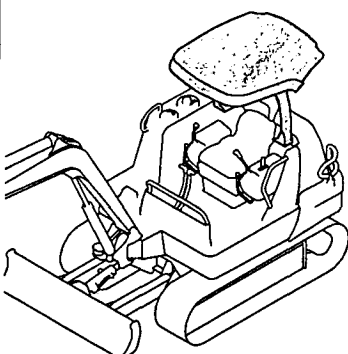


Fig. 16 CONTROL EQUIPMENT
(BLADE)

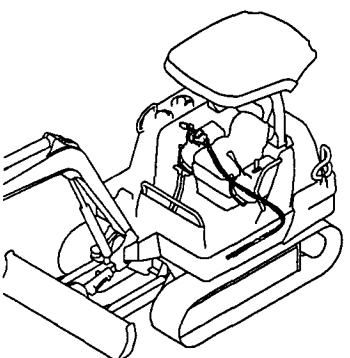


Fig. 20 STEP

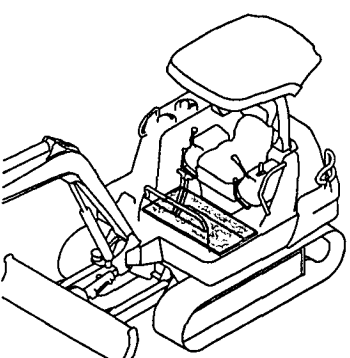
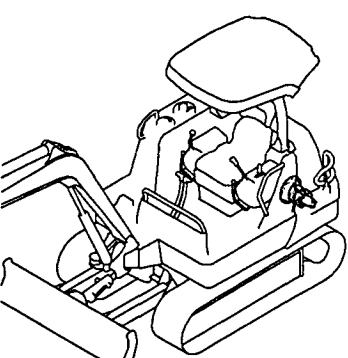
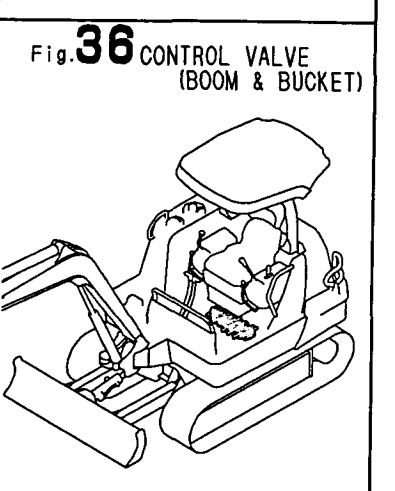
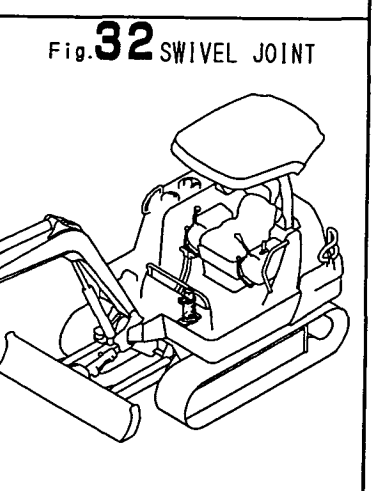
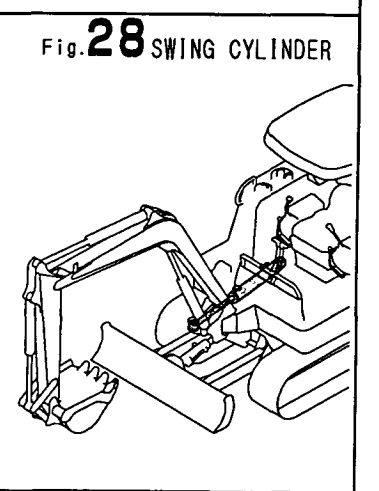
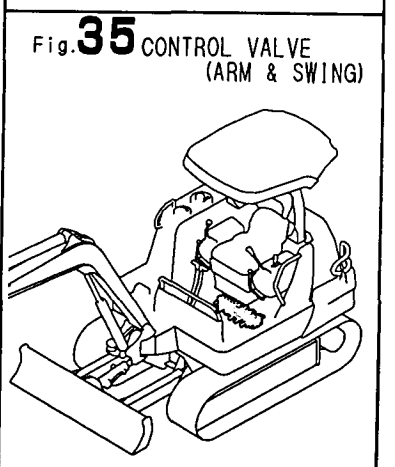
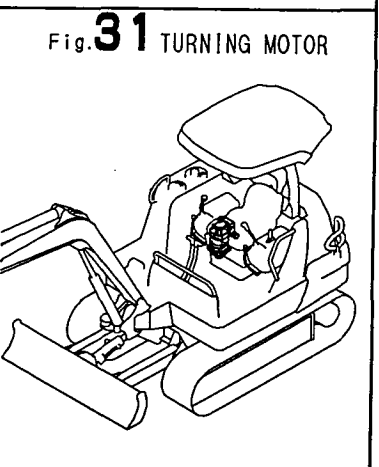
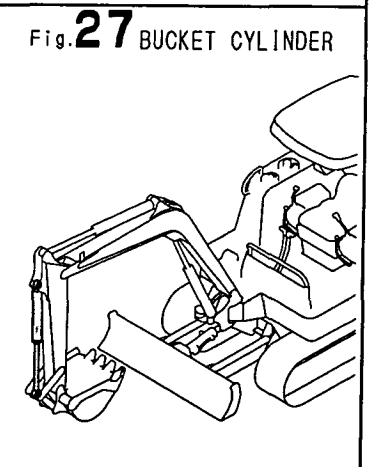
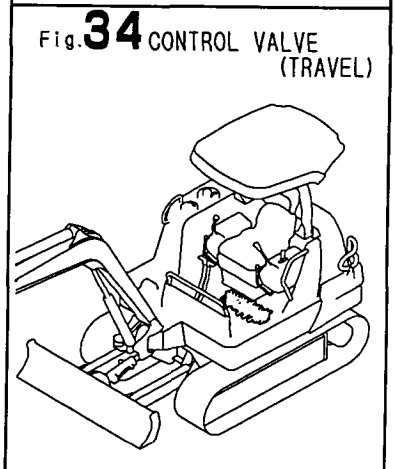
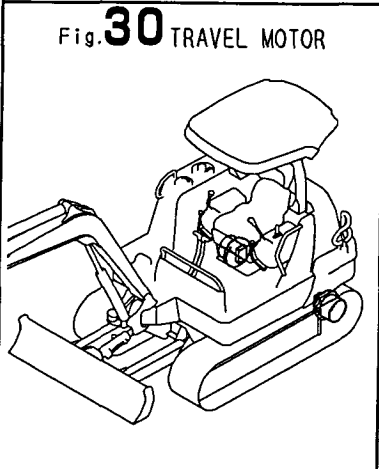
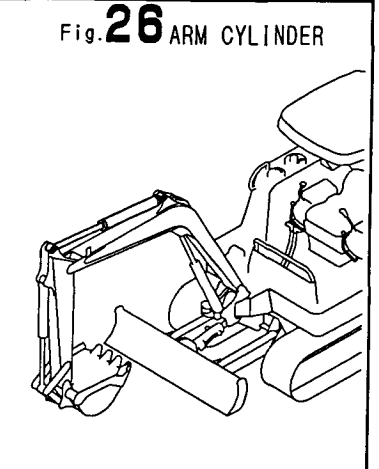
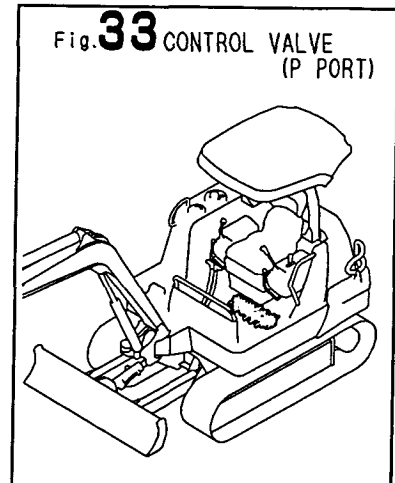
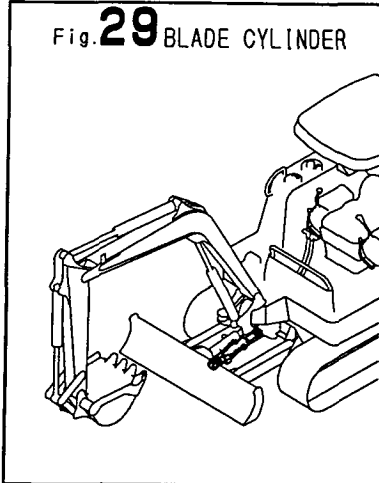
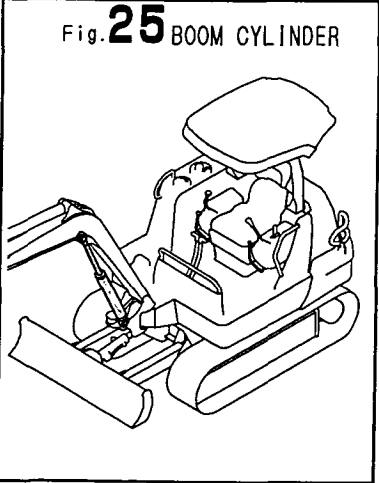


Fig. 24 HYD. OIL PUMP & JOINT



PICTURESQUE INDEX.....FIGURE



PICTURESQUE INDEX.....FIGURE

Fig. 37 CONTROL VALVE (TURNING & BLADE)

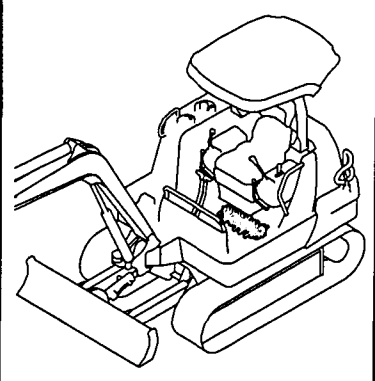


Fig. 41 HYD. OIL PIPING (VALVE~MOTOR~BOOM)

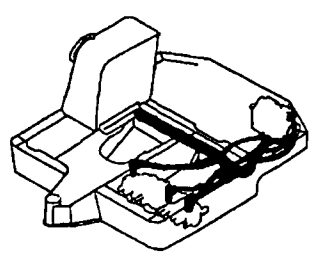


Fig. 45 HYD. OIL PIPING (BOOM)

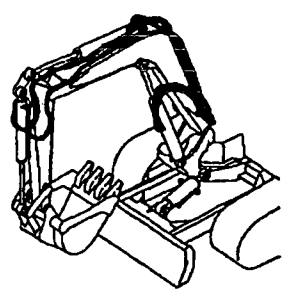


Fig. 38 REMOTE CONTROL VALVE

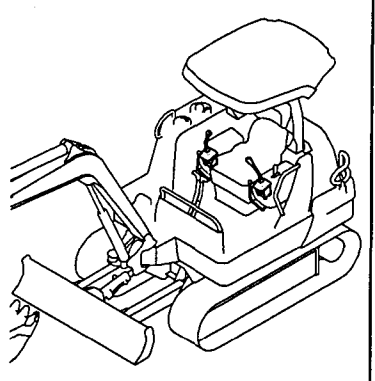


Fig. 42 HYD. OIL PIPING (VALVE~SWIVEL~SWING)

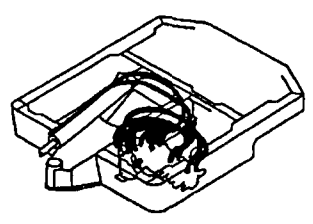


Fig. 46 CONTROL PIPING (PUMP~REMO.~CON. V.~RETURN)

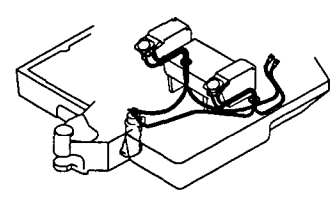


Fig. 39 HYD. OIL TANK

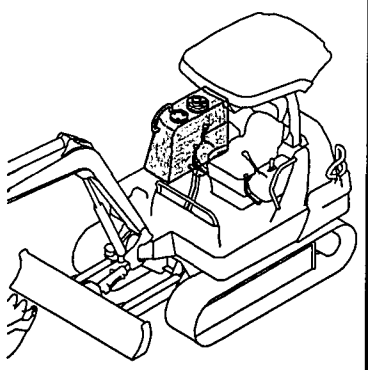


Fig. 43 HYD. OIL PIPING (RETURN)

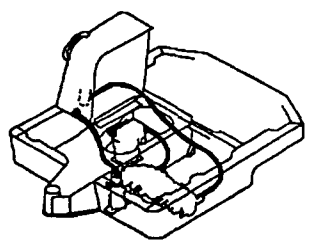


Fig. 47 CONTROL PIPING (REMO.~CON. V.~CONTROL V.)

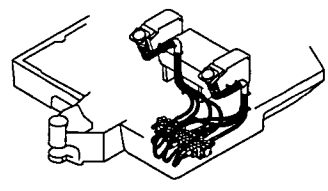


Fig. 40 HYD. OIL PIPING (TANK~PUMP~VALVE)

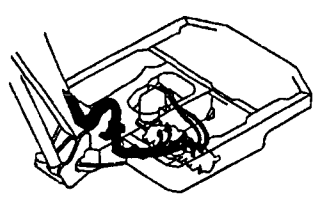


Fig. 44 HYD. OIL PIPING (TRAVEL)

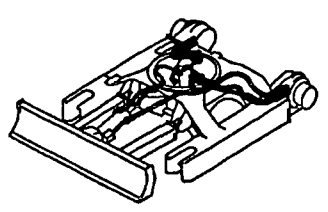
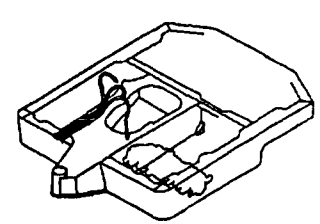


Fig. 48 GREASING



PICTURESQUE INDEX.....FIGURE

Fig. **49** BOOM & ARM

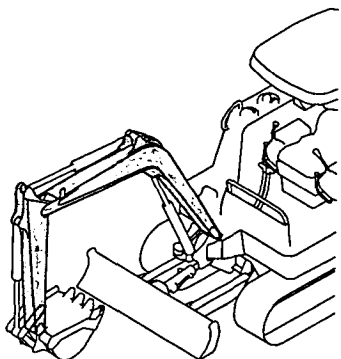


Fig. **50** BUCKET PIN

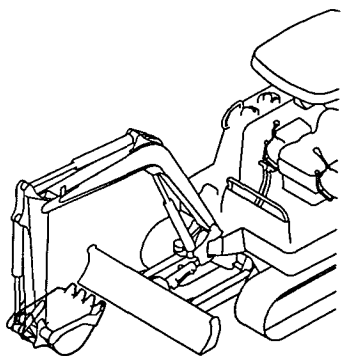
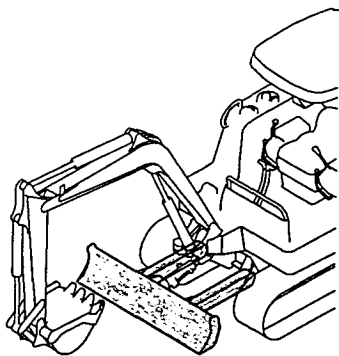
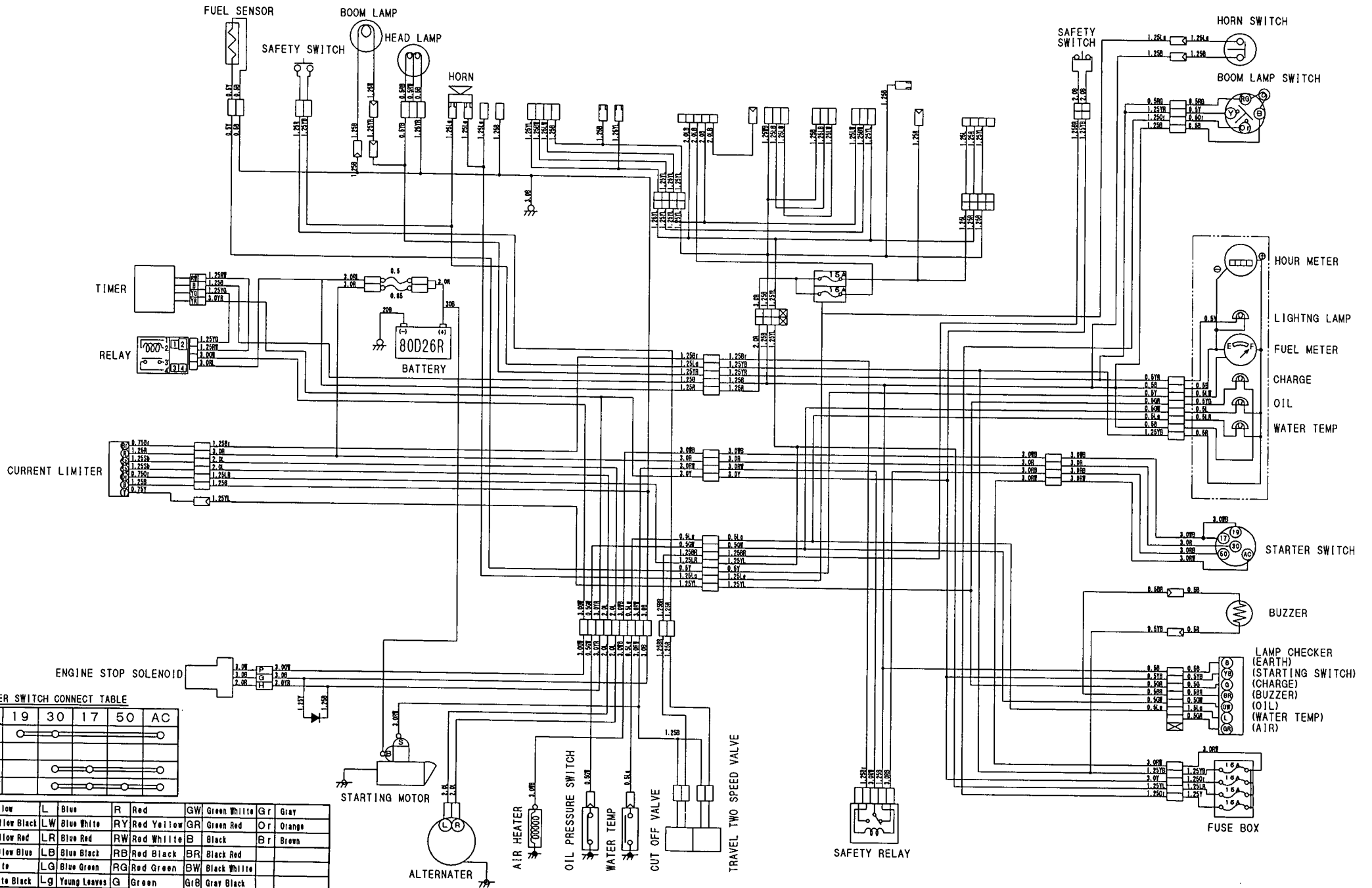


Fig. **51** BLADE (850)



WIRING DIAGRAM



STARTER SWITCH CONNECT TABLE

	19	30	17	50	AC
HEAT	○	○	○	○	○
OFF					
ON	○	○	○	○	○
START	○	○	○	○	○

Y	Yellow	L	Blue	R	Red	GW	Green White	Gr	Gray
YB	Yellow Black	LW	Blue White	RY	Red Yellow	GR	Green Red	OR	Orange
YR	Yellow Red	LR	Blue Red	RW	Red White	B	Black	BR	Brown
YL	Yellow Blue	LB	Blue Black	RB	Red Black	BR	Black Red		
W	White	LG	Blue Green	RG	Red Green	BW	Black White		
WB	White Black	Lg	Young Leaves	G	Green	GrB	Gray Black		

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
B22-2B		25.	BOOM CYLINDER
1.	LABEL	26.	ARM CYLINDER
2.	TOOL	27.	BUCKET CYLINDER
3.	INLET HOSE & EXHAUST PIPE	28.	SWING CYLINDER
4.	ACCELERATOR	29.	BLADE CYLINDER
5.	ENGINE MOUNT	30.	TRAVEL MOTOR
6.	RADIATOR & MOUNT	31.	TURNING MOTOR
7.	FUEL TANK & FUEL PIPE	32.	SWIVEL JOINT
8.	BATTERY	33.	CONTROL VALVE(P PORT)
9.	ELECTRIC PART	34.	CONTROL VALVE(TRAVEL)
10.	WORK LAMP	35.	CONTROL VALVE(ARM & SWING)
11.	ROLLER & ADJUST	36.	CONTROL VALVE(BOOM & BUCKET)
12.	CRAWLER	37.	CONTROL VALVE(TURNING & BLADE)
13.	CONTROL EQUIPMENT(LEVER STAND	38.	REMOTE CONTROL VALVE
14.	CONTROL EQUIPMENT(TRAVEL)	39.	HYD.OIL TANK
15.	CONTROL EQUIPMENT(SWING)	40.	HYD.OIL PIPING(TANK-PUMP-VALVE
16.	CONTROL EQUIPMENT(BLADE)	41.	HYD.OIL PIPING(VALVE-MOTOR-BOO
17.	CONTROL EQUIPMENT(CUT OFF LEVE	42.	HYD.OIL PIPING(VALVE-SWIVEL-SW
18.	FRAME & TURNING BEARING	43.	HYD.OIL PIPING(RETURN)
19.	FRAME COVER	44.	HYD.OIL PIPING(TRAVEL)
20.	STEP	45.	HYD.OIL PIPING(BOOM)
21.	SEAT & SEAT MOUNT	46.	CONTROL PIPING(PUMP-REMO.-CON.
22.	BONNET	47.	CONTROL PIPING(REMO.-CON.V.-CO
23.	CANOPY	48.	GREASING
24.	HYD.OIL PUMP & JOINT	49.	BOOM & ARM

Contents

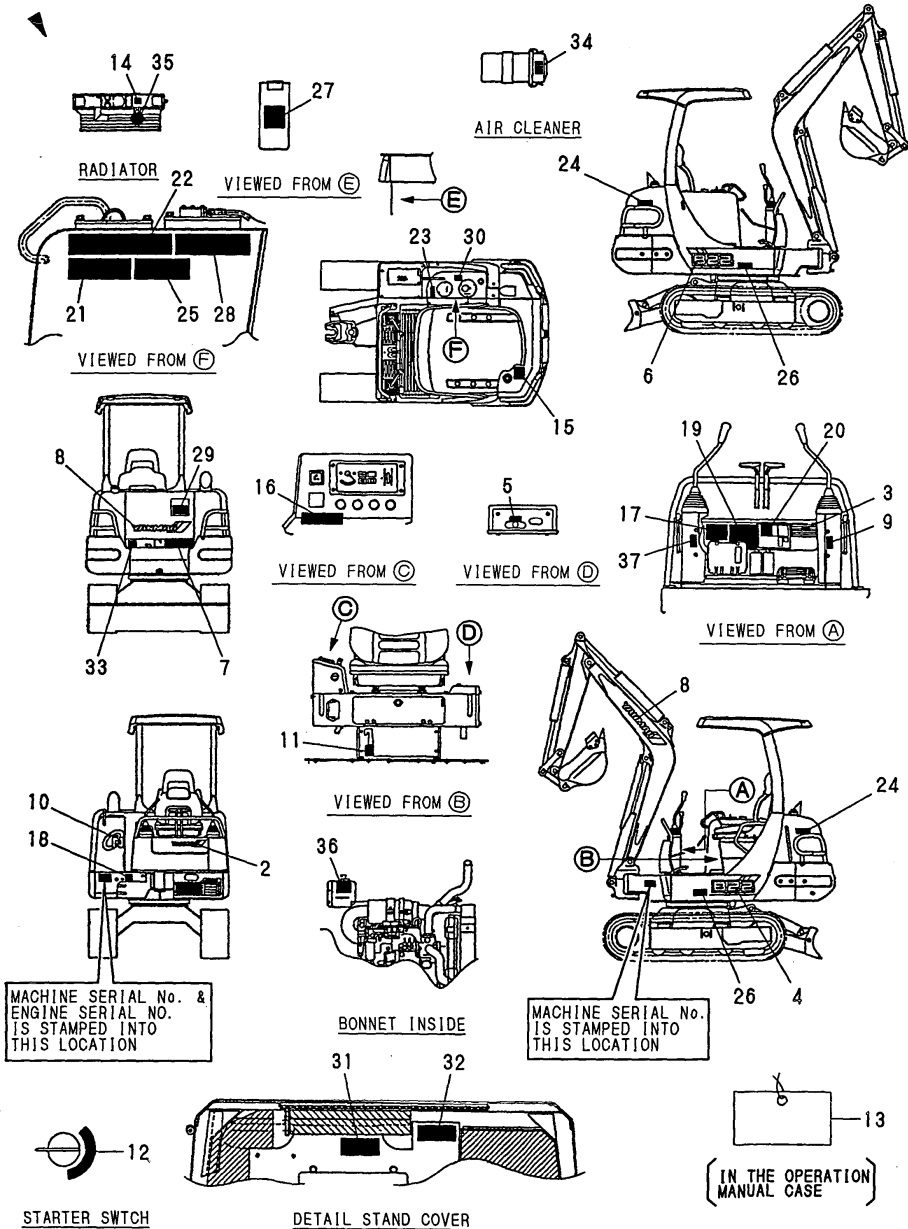
Fig. No.	Fig. Name
50.	BUCKET PIN
51.	BLADE(850)

Fig. No.	Fig. Name
----------	-----------

Fig.1. LABEL

Fig. 1 LABEL

1 inc. 2 ~ 36



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

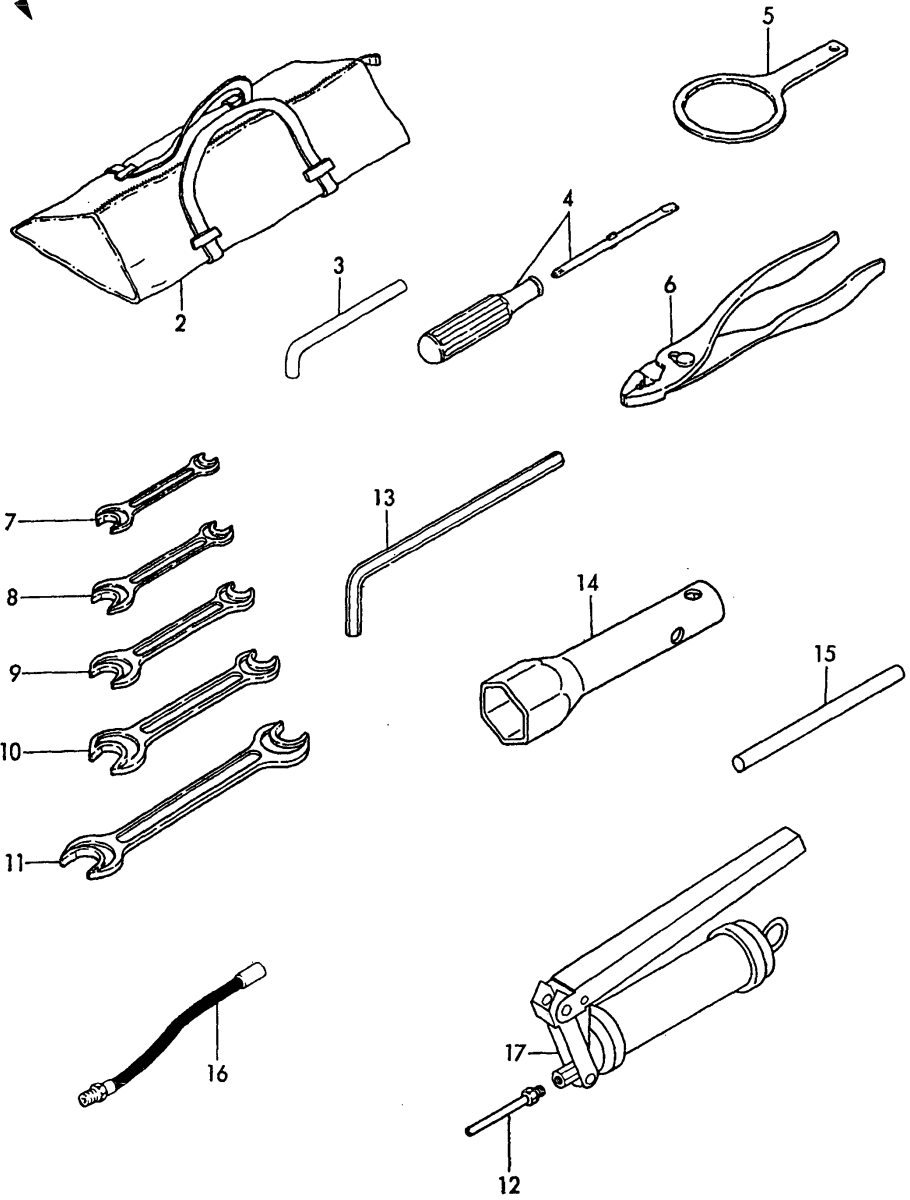
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772434-03250	LABEL ASSY(CANOPY	1							
2	2	172165-03141	LABEL,FRONT	1							
3	2	172434-03110	LABEL	1							
4	2	172171-03151	LABEL	1							
5	2	172519-03150	LABEL, ACCEL	1							
6	2	172171-03161	LABEL	1							
7	2	172168-03211	LABEL	1							
8	2	172171-03261	LABEL,BOOM	2							
9	2	172183-03280	LABEL,LOCK	2							
10	2	172164-03180	MARK,NO.1	1							
11	2	172137-03301	LABEL, TURNING LOCK	1							
12	2	172141-03360	LABEL, START SWITCH	1							
13	2	172171-03400	TAG ASSY, CAUTION	1							
14	2	124764-44920	LABEL, ANTI-FREEZING	1							
15	2	172183-03450	LABEL,FUEL	1							
16	2	172141-03440	LABEL	1							
17	2	172165-03500	LABEL,GREASE FEED	1							
18	2	172171-03510	LABEL, GREASE	1							
19	2	172171-03520	LABEL, OIL/WATER	1							
20	2	172151-03540	LABEL,PATTERN A	1							
21	2	172171-03700	LABEL	1							
22	2	172171-03710	LABEL	1							
23	2	172171-03720	LABEL	1							
24	2	172171-03730	LABEL	2							
25	2	172171-03740	LABEL	1							
26	2	172171-03750	LABEL	2							
27	2	172171-03760	LABEL	1							
28	2	172171-03770	LABEL	1							
29	2	172171-03780	LABEL	1							
30	2	172155-03790	LABEL,RE-FUELING	1							
31	2	172171-03790	LABEL, RADIATOR	1							
32	2	172171-03800	LABEL	1							
33	2	172171-03810	LABEL	1							
34	2	172125-03950	LABEL, AIR CLEANER	1							
35	2	121120-44800	LABEL, RADIATOR	1							
36	2	124764-44810	LABEL,SUB-TANK	1							

Fig.2. TOOL

Fig.2 TOOL

1 inc. 2 ~ 17



(A)=B22-2B

(B)=

(C)=

(D)=

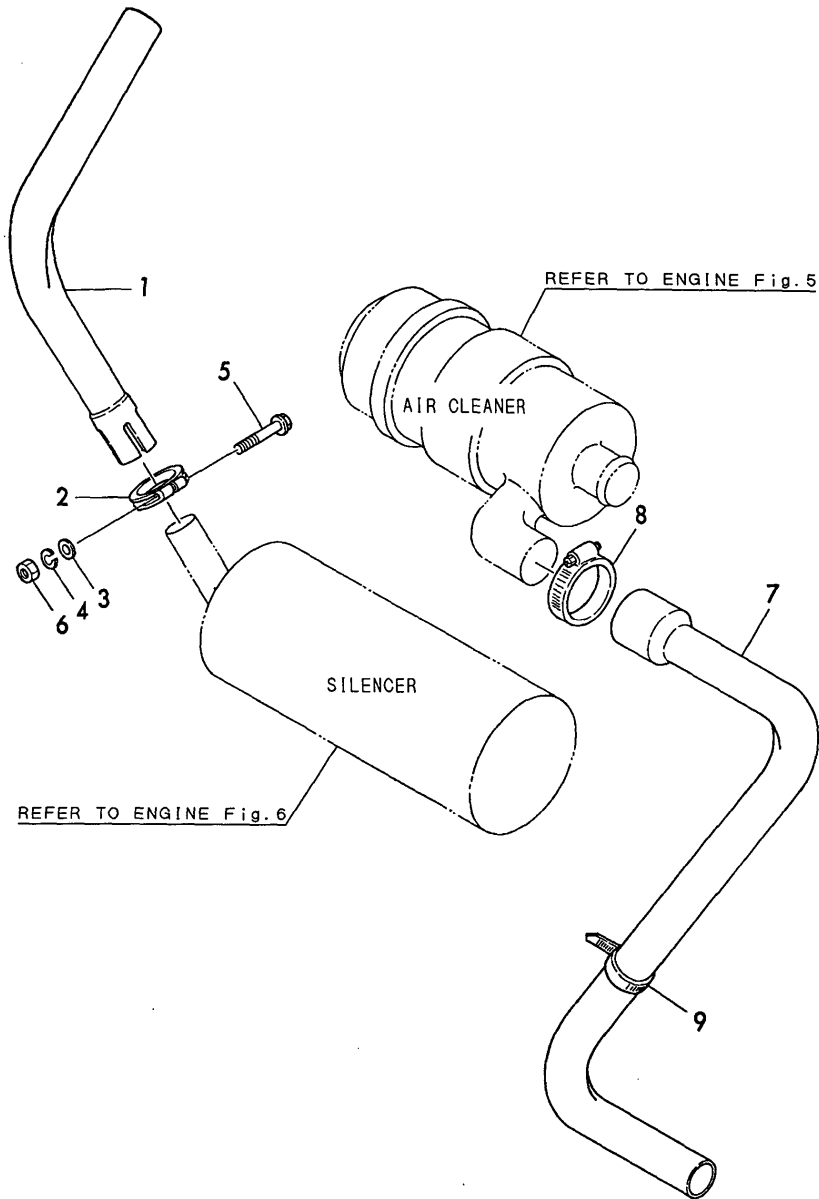
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772141-05100	TOOL ASSY	1							
2	2	933110-90000	BAG, TOOL	1							
3	2	172614-38300	PIN 5X45, LOCK	4							
4	2	104200-92350	DRIVER, SCREW	1							
5	2	119640-92750	WRENCH, FILTER 80	1							
6	2	933171-00470	PLIER 200	1							
7	2	28110-080100	SPANNER, 8X10	1							
8	2	28110-120140	SPANNER, 12X14	2							
9	2	28110-170190	SPANNER, 17X19	1							
10	2	28110-220240	SPANNER, 22X24	1							
11	2	28110-270300	SPANNER, 27X30	1							
12	2	172122-05101	NOZZLE	1							
13	2	28150-080000	WRENCH, BAR 8	1							
14	2	28227-271400	BOX WRENCH 27X140	1							
15	2	28230-120250	HANDLE, TURN 12X250	1							
16	2	933110-09701	HOSE, GREASE	1							
17	2	933110-09801	GUN, GREASE	1							

Fig.3. INLET HOSE & EXHAUST PIPE

Fig.3 INLET HOSE & EXHAUST PIPE



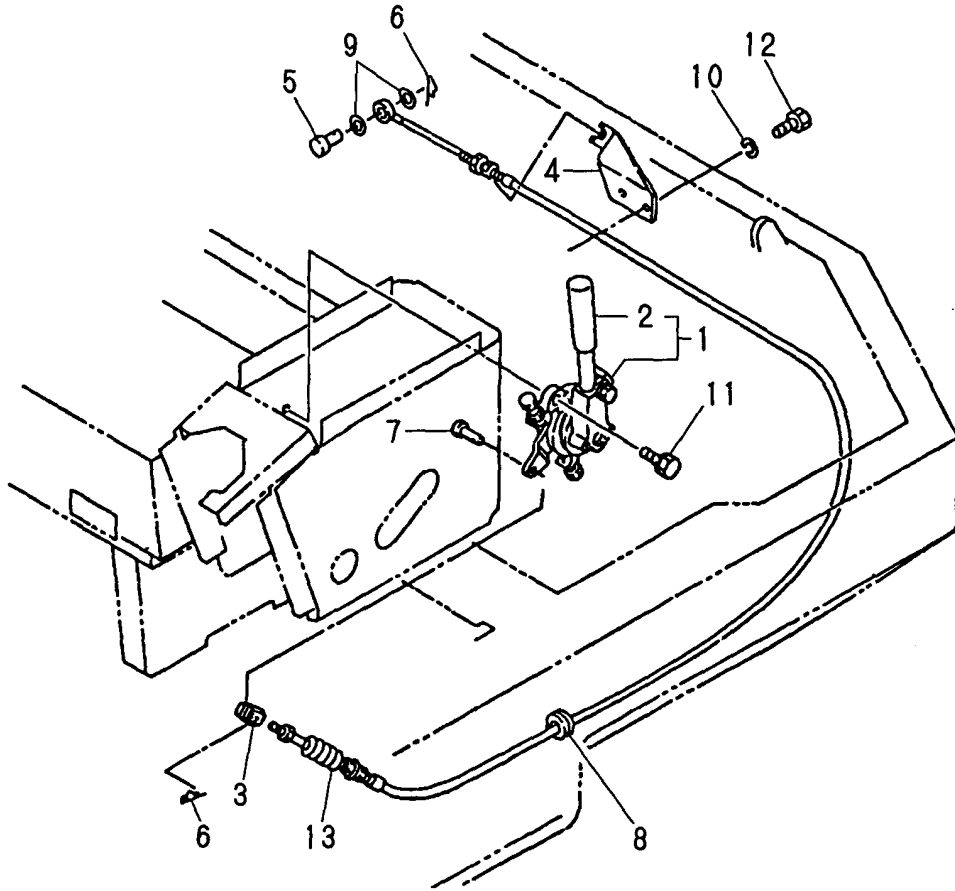
(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172171-11300	PIPE, TAIL	1							
2	1	119831-13580	CLAMP	1							
3	1	22117-080000	WASHER, 8	1							
4	1	22217-080000	WASHER, SPRING 8	1							
5	1	26106-080552	BOLT, M8X 55 PLATED	1							
6	1	26706-080002	NUT, M8	1							
7	1	172171-11500	HOSE,AIR CLEANER	1							
8	1	23000-070000	CLAMP, 70	1							
9	1	194250-51660	BAND 250	1							

Fig.4. ACCELERATOR

Fig.4 ACCELERATOR



(A)=B22-2B

(B)=

(C)=

(D)=

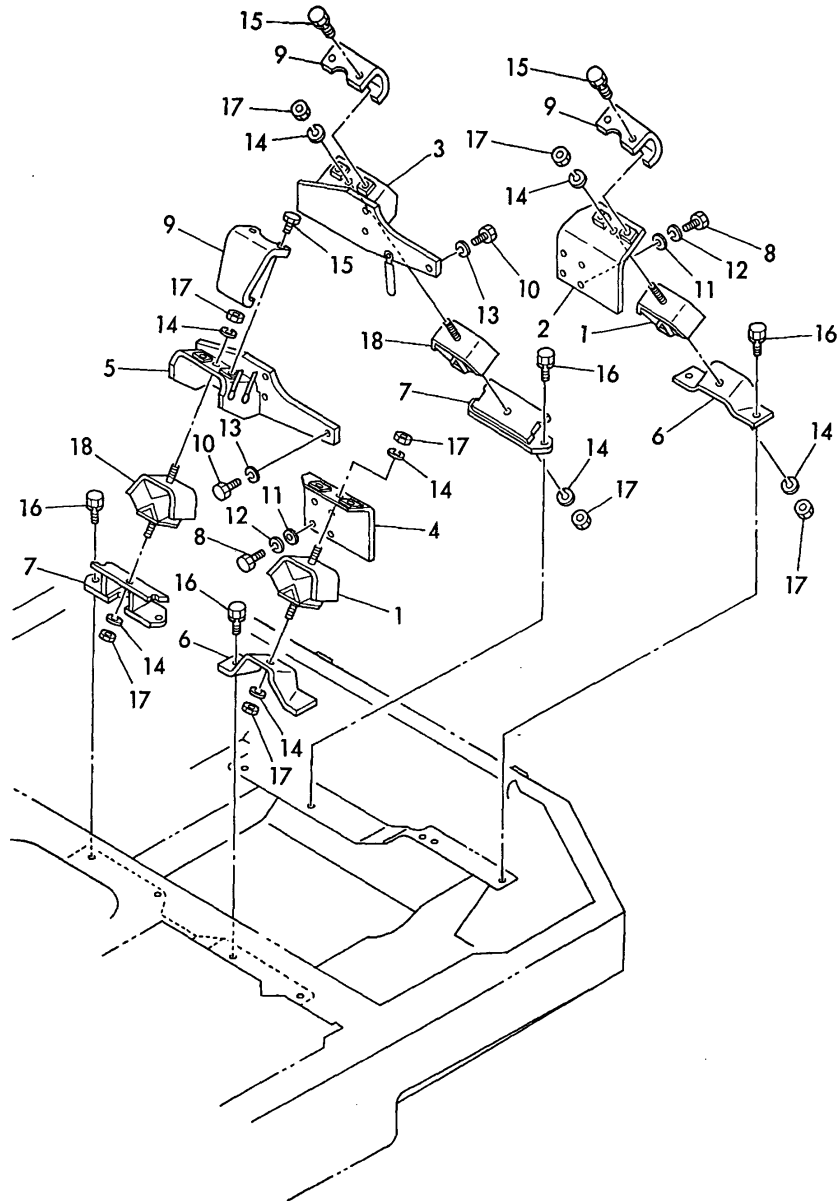
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-12101	LEVER ASSY,ACCEL.	1							
2	2	172165-12140	GRIP	1							
3	1	172137-12270	JOINT, CABLE	1							
4	1	172141-12280	CLAMP, WIRE	1							
5	1	172113-12521	PIN, CABLE	1							
6	1	1C6281-52310	PIN, SNAP 6	2							
7	1	1A1040-56900	PIN, 6X17	1							
8	1	1A1380-58050	GROMMET, 16X20X4.5	1							
9	1	22137-060000	WASHER, 6	2							
10	1	22217-080000	WASHER, SPRING 8	2							
11	1	26013-100302	BOLT, M10X 30	2							
12	1	26116-080162	BOLT, M8X 16 PLATED	2							
13	1	172168-12100	CABLE, ACCELERATOR	1							

Fig.5. ENGINE MOUNT

Fig. **5** ENGINE MOUNT



(A)=B22-2B

(B)=

(C)=

(D)=

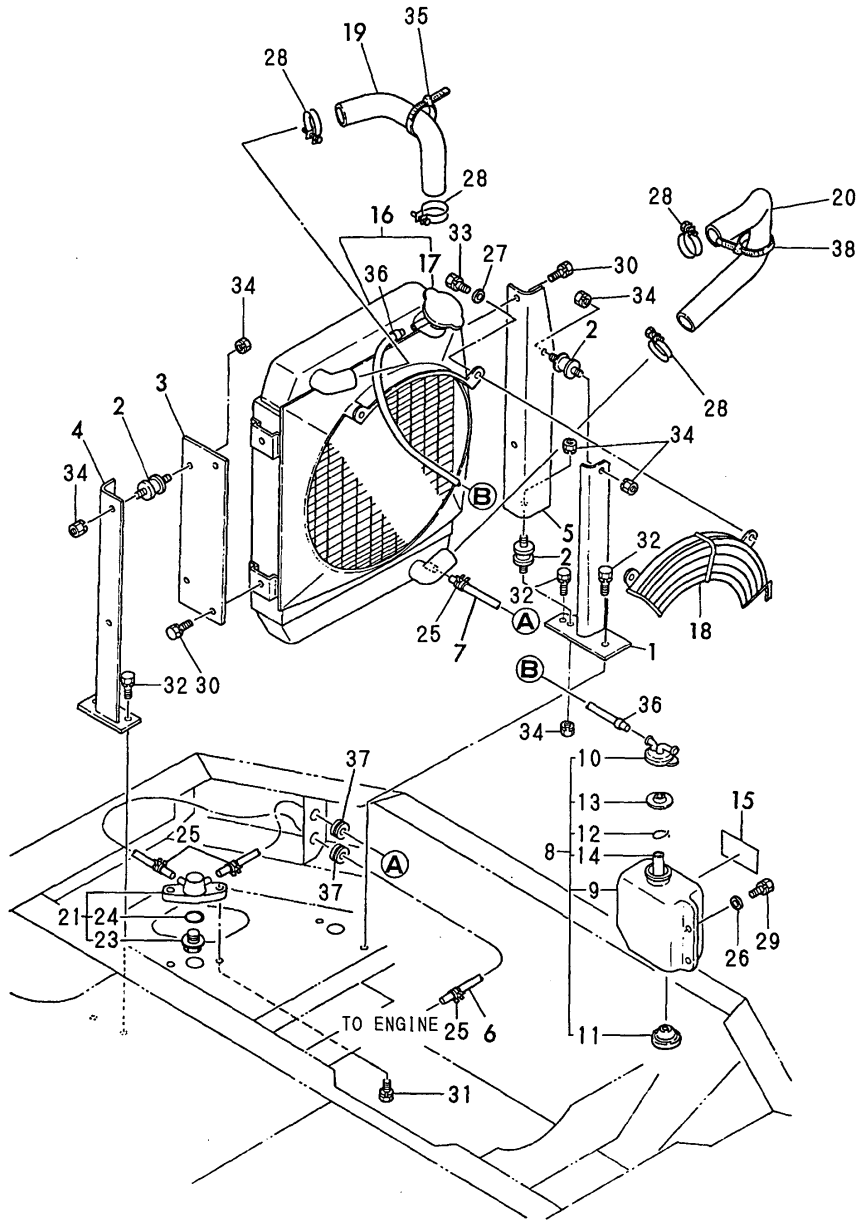
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	196420-02310	ABSORBER, SHOCK 230	2							
2	1	172146-13101	BRACKET (73)	1							
3	1	172168-13101	MOUNT(R), ENGINE	1							
4	1	172146-13111	BRACKET (73)	1							
5	1	172168-13120	MOUNT(L), ENGINE	1							
6	1	172168-13150	BRACKET,ENGINE (73)	2							
7	1	172168-13181	BRACKET,ENGINE (73)	2							
8	1	172162-13200	BOLT M10X30	8							
9	1	172124-13230	STOPPER, ENGINE	3							
10	1	172131-37170	BOLT M12X 30	6							
11	1	172137-46040	SEAT, SPRING	8							
12	1	22217-100000	WASHER, SPRING 10	8							
13	1	22217-120000	WASHER, SPRING 12	6							
14	1	22217-120000	WASHER, SPRING 12	8							
15	1	26013-100252	BOLT, M10X 25	6							
16	1	26013-120302	BOLT, M12X 30	8							
17	1	26716-120002	NUT, M12	8							
18	1	172168-13250	ABSORBER,SHOCK 180	2							

Fig.6. RADIATOR & MOUNT

Fig.6 RADIATOR & MOUNT



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172171-13300	MOUNT(R), RADIATOR	1							
2	1	172122-13310	MOUNT, RADIATOR	4							
3	1	172171-13330	PLATE, RADIATOR	1							
4	1	172171-13340	MOUNT L CMP,RADIATOR	1							
5	1	172171-13410	BRACKET	1							
6	1	172124-14650	HOSE L=1100, FUEL	1							
7	1	172171-13461	HOSE 7.5X13	1							
8	1	121468-44510	SUB-TANK ASSY	1							
9	2	121470-44521	BODY, TANK	1							
10	2	121450-44531	CAP	1							
11	2	121468-44540	PLUG, SUB-TANK	1							
12	2	124450-44560	RETAINER	1							
13	2	121470-44581	GASKET	1							
14	2	23065-070130	PIPE, 7X 130	1							
15	1	121470-44540	LABEL, SUB-TANK	1							
16	1	119831-44551	RADIATOR	1							
17	2	124450-44590	CAP, RADIATOR	1							
18	1	119831-44571	NET, WIRE	1							
19	1	119831-49010	PIPE, WATER	1							
20	1	119831-49020	PIPE, WATER	1							
21	1	121450-49110	COCK ASSY, 3-WAY	1							
23	2	121250-49121	PLUG, DRAIN	1							
24	2	24311-000160	O-RING, 1AP16.0	1							
25	1	124766-59050	CLIP, HOSE 12	4							
26	1	22137-060000	WASHER, 6	2							
27	1	22137-080000	WASHER, 8	2							
28	1	23010-038000	CLAMP, 38	4							
29	1	26013-060202	BOLT, M6X 20	2							
30	1	26013-080162	BOLT, M8X 16	4							
31	1	26013-080162	BOLT, M8X 16	2							
32	1	26013-100202	BOLT, M10X 20	4							
33	1	26013-080162	BOLT, M8X 16	2							
34	1	26051-080002	NUT, M8	8							
35	1	933168-55770	BAND 146	1							
36	1	121250-44590	CLAMP	2							
37	1	1A1380-58050	GROMMET, 16X20X4.5	2							
38	1	933152-09280	BAND 170	1							

Fig.7. FUEL TANK & FUEL PIPE

(A)=B22-2B

(B)=

(C)=

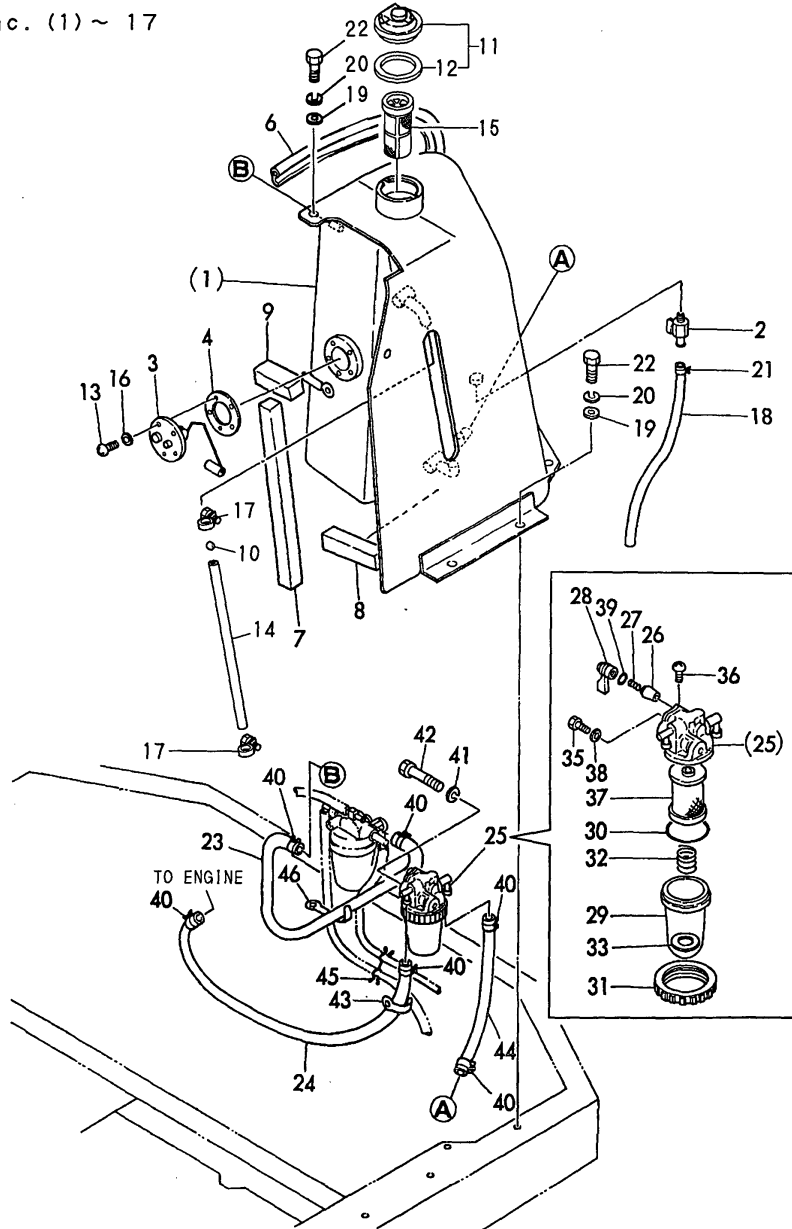
(D)=

(E)=

(F)=

Fig.7 FUEL TANK & FUEL PIPE

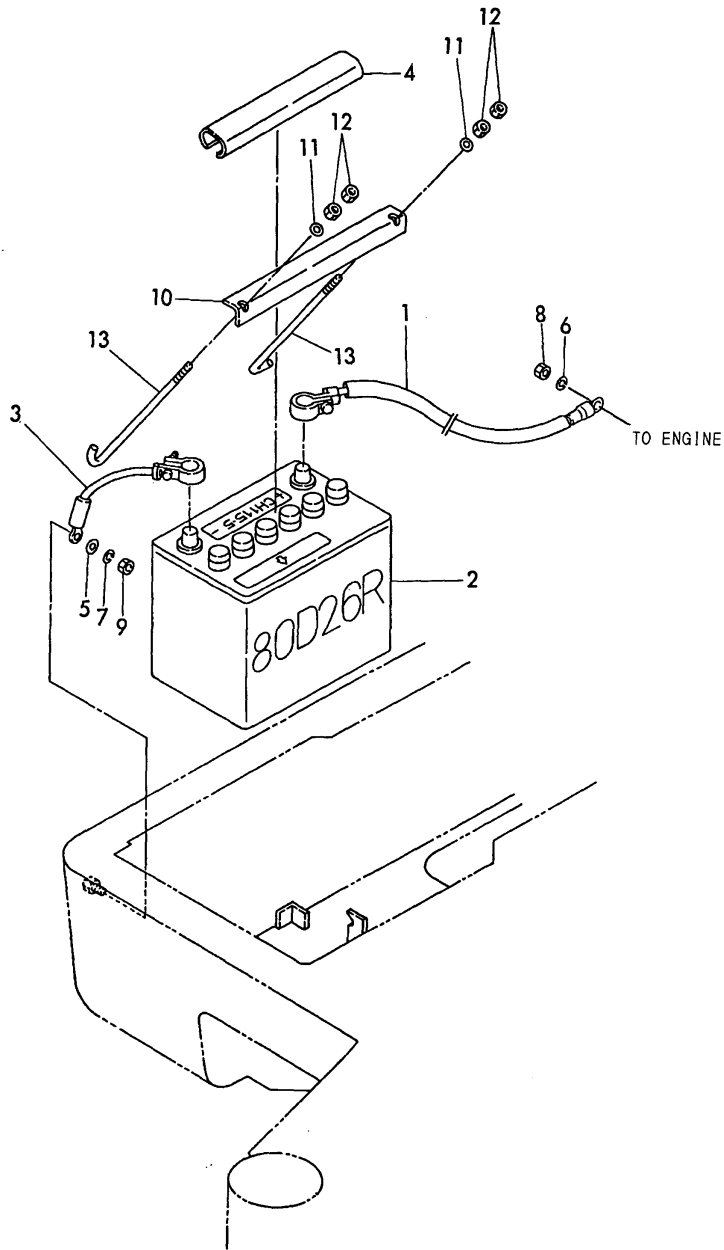
1 inc. (1) ~ 17



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772171-14101-4	TANK ASSY, FUEL	1							
2	2	104200-11920	COCK, WATER	1							
3	2	172162-14180	GAUGE, FUEL	1							
4	2	172162-14200	GASKET	1							
6	3	172171-14150	RUBBER, SEAL	1							
7	3	172171-14210	SEAL, SPONGE	1							
8	3	172171-14220	SEAL, SPONGE	1							
9	3	172168-14240	SEAL, SPONGE	1							
10	2	172141-14260	FLOAT	1							
11	2	172122-14301	CAP ASSY, TANK	1							
12	3	172122-14350	GASKET	1							
13	2	26557-050122	SCREW, M5X12	5							
14	2	172142-14421	HOSE, FUEL GAUGE	1							
15	2	172183-14250	FILTER (FUEL	1							
16	2	22217-050000	WASHER, SPRING 5	5							
17	2	23010-014000	CLAMP, 14	2							
18	1	172142-14320	GAUGE, FUEL	1							
19	1	194145-04810	WASHER 10	6							
20	1	22217-100000	WASHER, SPRING 10	6							
21	1	23080-013000	CLAMP, 13	1							
22	1	26116-100252	BOLT, M10X 25 PLATED	6							
23	1	172171-14600	HOSE 800	1							
24	1	172171-14600	HOSE 800	1							
25	1	129335-55700	SEPARATOR ASSY,WATER	1							
26	2	104200-55321	VALVE, TAPER	1							
27	2	104200-55330	SPRING, VALVE	1							
28	2	104200-55341	HANDLE	1							
29	2	124064-55510	COVER	1							
30	2	102103-55520	O-RING	1							
31	2	110250-55610	RING, RETAINING	1							
32	2	121257-55720	SPRING	1							
33	2	121257-55731	FLOAT	1							
35	2	101720-55750	PLUG, 6	2							
36	2	104200-55750	SCREW, M4	1							
37	2	171081-55910	SCREEN	1							
38	2	23418-060000	GASKET, 6X1.0	2							
39	2	24311-240100	O-RING, 1AP10A	1							
40	1	124766-59050	CLIP, HOSE 12	6							
41	1	22217-080000	WASHER, SPRING 8	1							
42	1	26116-080652	BOLT, M8X 65 PLATED	1							
43	1	194440-51620	CLAMP	1							
44	1	172171-14610	HOSE 260,FUEL	1							
45	1	172171-14300	CLAMP	1							
46	1	172126-16540	CLAMP	1							

Fig.8. BATTERY

Fig.8 BATTERY



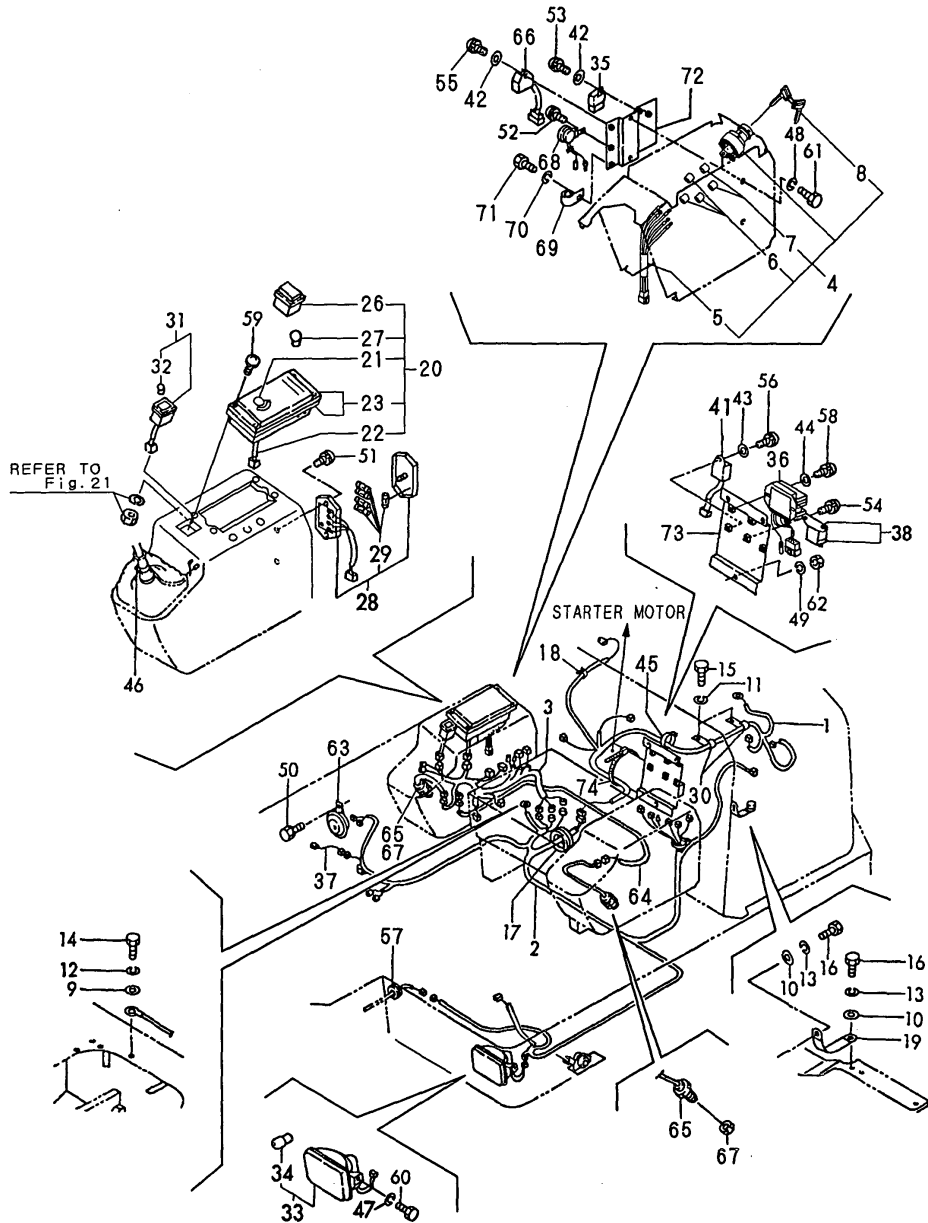
(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172170-16100	CORD, BATTERY	1							
2	1	172168-16101	BATTERY	1							
3	1	172142-16110	CORD, BATTERY	1							
4	1	194432-51550	COVER, BATTERY	1							
5	1	22137-100000	WASHER, 10	1							
6	1	22217-080000	WASHER, SPRING 8	1							
7	1	22217-100000	WASHER, SPRING 10	1							
8	1	26716-080002	NUT, M8	1							
9	1	26716-100002	NUT, M10	1							
10	1	172168-16300	CLAMP, BATTERY	1							
11	1	22157-080000	WASHER, 8	2							
12	1	26716-080002	NUT, M8	4							
13	1	933171-15710	ROD(B), BATTERY FIX	2							

Fig.9. ELECTRIC PART

Fig. 9 ELECTRIC PART



(A)=B22-2B

(B)=

(C)=

(D)=

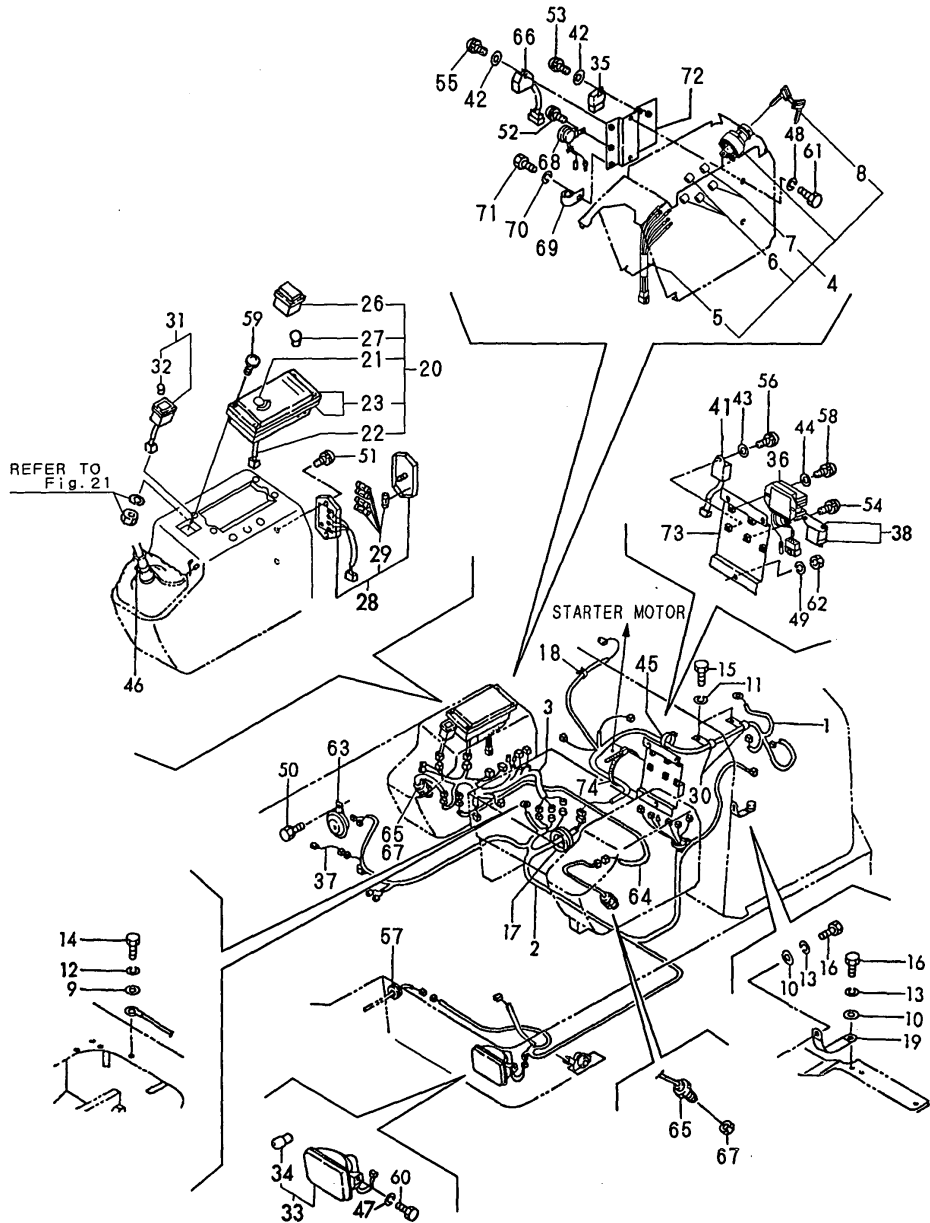
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-16501	HARNES A,WIRE	1							
2	1	172168-16512	HARNES B,WIRE	1							
3	1	172428-16520	HARNES (C), WIRE	1							
4	1	172428-17100	SWITCH ASSY, STARTER	1							
5	2	172165-16530	HARNES D	1							
6	2	172187-17080	COVER	3							
7	2	172187-17090	COVER	2							
8	2	933110-00301	KEY ASSY	1							
9	1	22137-100000	WASHER, 10	1							
10	1	22137-120000	WASHER, 12	2							
11	1	22217-100000	WASHER, SPRING 10	2							
12	1	22217-100000	WASHER, SPRING 10	1							
13	1	22217-120000	WASHER, SPRING 12	2							
14	1	26116-100162	BOLT, M10X 16 PLATED	1							
15	1	26116-100162	BOLT, M10X 16 PLATED	2							
16	1	26116-120162	BOLT, M12X 16 PLATED	2							
17	1	29311-515000	GROMET, 50.5X5	1							
18	1	933168-55770	BAND 146	3							
19	1	933171-15801	CORD, ENGINE EARTH	1							
20	1	172162-17101	BOX ASSY, INDICATOR	1							
21	2	172162-17240	METER ASSY, FUEL	1							
22	2	172162-17250	HARNES	1							
23	2	172162-17270	COVER ASSY	1							
26	2	172162-17130	METER, HOUR	1							
27	2	172162-17120	VALVE	4							
28	1	172141-17161	BOX, FUSE	1							
29	2	29411-150000	FUSE, CARTRIDGE 15A	5							
30	1	172126-16540	CLAMP	3							
31	1	172141-17190	SWITCH, WORK LAMP	1							
32	2	172141-17230	BULB, 24V 6W	1							
33	1	172162-17410	LAMP ASSY, HEADLIGHT	1							
34	2	29220-788200	BULB, 12V 25W	1							
35	1	119247-77100	RELAY, SAFETY	1							
36	1	119653-77710	LIMITER, CURRENT	1							
37	1	172183-16540	LINK,FUSIBLE	1							
38	1	119650-77910	RELAY ASSY, GLOW	1							
41	1	119632-77922	TIMER	1							
42	1	22137-060000	WASHER, 6	2							
43	1	22137-060000	WASHER, 6	1							
44	1	22137-060000	WASHER, 6	2							
45	1	194250-51660	BAND 250	1							
46	1	933168-55770	BAND 146	1							
47	1	22217-080000	WASHER, SPRING 8	2							
48	1	22217-080000	WASHER, SPRING 8	2							
49	1	22217-100000	WASHER, SPRING 10	3							
50	1	26013-060122	BOLT, M6X 12	2							
51	1	26022-050162	SCREW, M5X16	2							
52	1	26022-060122	SCREW, M6X12	1							
53	1	26022-060122	SCREW, M6X12	1							
54	1	26022-060122	SCREW, M6X12	2							
55	1	26022-060162	SCREW, M6X16	1							

Fig.9. ELECTRIC PART

Fig. 9 ELECTRIC PART



(A)=B22-2B

(B)=

(C)=

(D)=

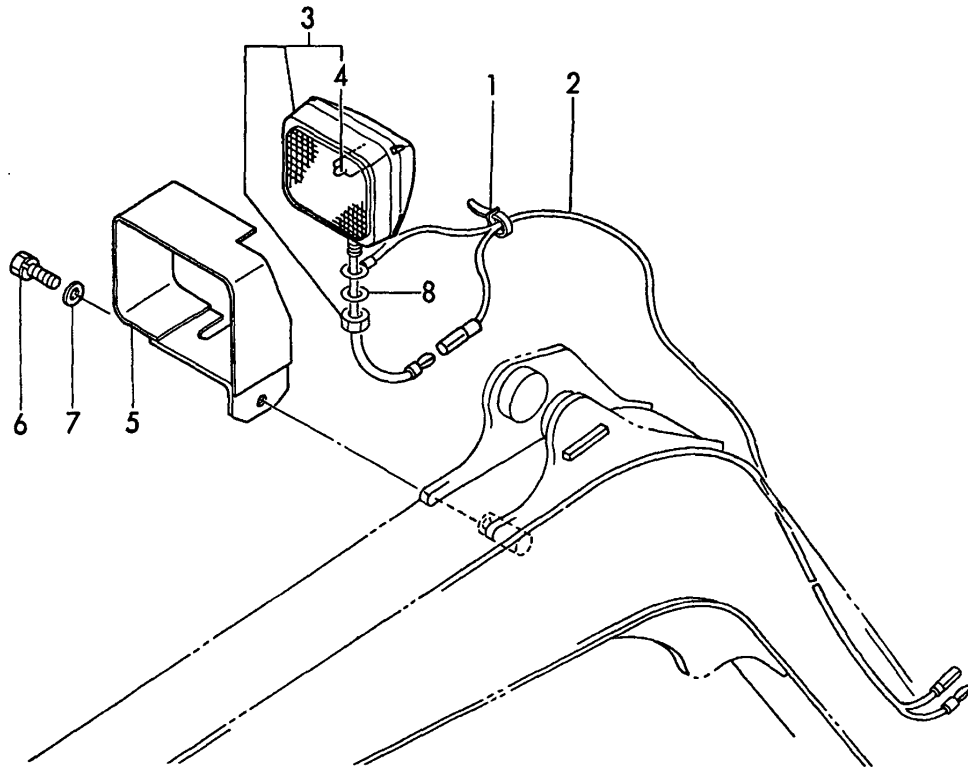
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
56	1	26022-060162	SCREW, M6X16	1							
57	1	1A1380-58050	GROMMET, 16X20X4.5	1							
58	1	26022-060252	SCREW, M6X25	2							
59	1	26589-040202	SCREW, M4X20	4							
60	1	26116-080162	BOLT, M8X 16 PLATED	2							
61	1	26116-080162	BOLT, M8X 16 PLATED	2							
62	1	26716-100002	NUT, M10	3							
63	1	933110-05301	HORN	1							
64	1	172165-16560	HARNES (G)	1							
65	1	172164-17140	SWITCH	2							
66	1	172141-17141	CHECKER	1							
67	1	26776-160002	NUT, LOCK M16	2							
68	1	172141-17150	BUZZER	1							
69	1	172142-16550	CLAMP	1							
70	1	22217-060000	WASHER, SPRING 6	1							
71	1	26116-060122	BOLT, M6X 12 PLATED	1							
72	1	172168-17100	BRACKET ASSY, ELEC.	1							
73	1	172168-17120	BRACKET ASSY, TIMER	1							
74	1	172122-79890	CLAMP, HOSE	1							

Fig.10. WORK LAMP

Fig. 10 WORK LAMP



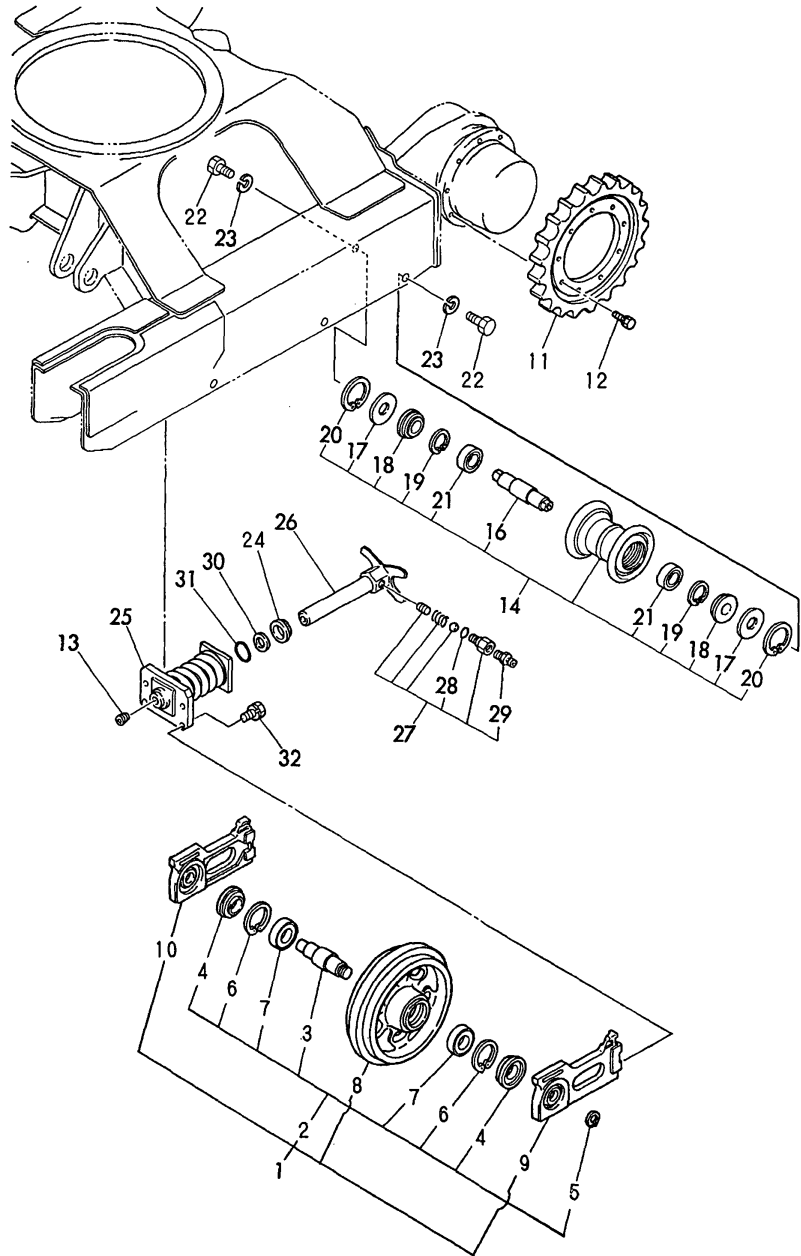
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172137-16560	BAND	5							
2	1	172141-16561	WIRE, LAMP	1							
3	1	172141-17201	LAMP, WORK	1							
4	2	172141-17211	BULB	1							
5	1	172137-17401-4	COVER, LAMP	1							
6	1	26013-120252	BOLT, M12X 25	1							
7	1	933152-03700	WASHER, CLUTCH	1							
8	1	22137-130000	WASHER, 13	2							

Fig.11. ROLLER & ADJUST

Fig. 11 ROLLER & ADJUST



(A)=B22-2B

(B)=

(C)=

(D)=

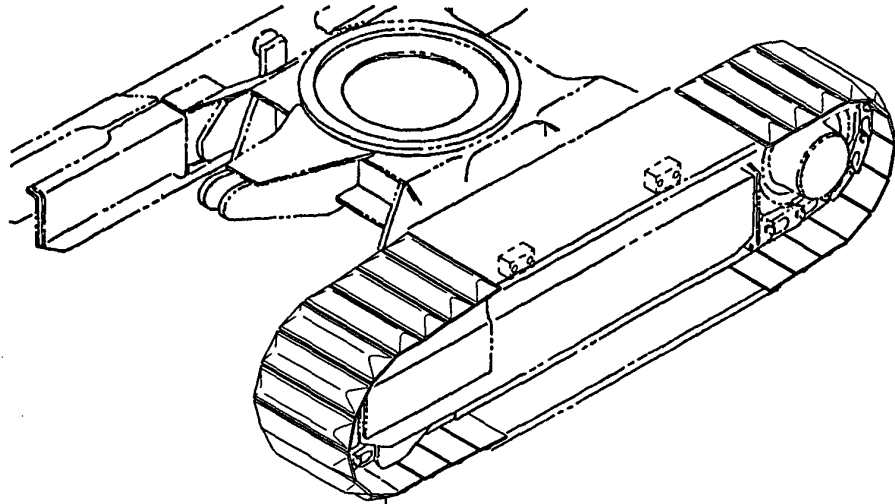
(E)=

(F)=

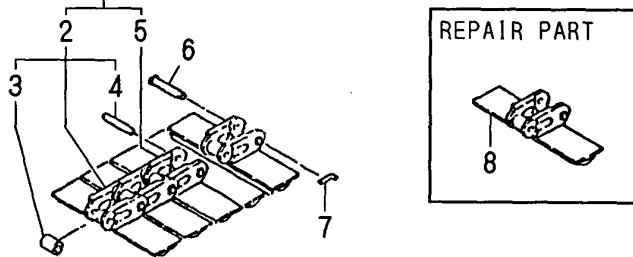
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772141-37101	IDLER ASSY, IRON	2							
2	2	172141-99490	IDLER KIT, FRONT	2							
3	3	172141-37130	SHAFT, IDLER	2							
4	3	172141-37140	SEAL, 357220	4							
5	3	22242-000300	RING, 30	2							
6	3	22252-000720	RING, 72	4							
7	3	24101-062074	BEARING, BALL 6207	4							
8	2	172141-37100	IDLER ASSY	2							
9	2	172141-37111	FORK(L), IDLER	2							
10	2	172141-37121	FORK(R), IDLER	2							
11	1	172141-29110	SPROCKET	2							
12	1	26013-120302	BOLT, M12X 30	18							
13	1	933171-13691	PLUG PT1/8	2							
14	1	772422-37300	ROLLER ASSY, TRACK	6							
16	2	172422-37310	SHAFT, ROLLER	6							
17	2	172141-37320	SPACER	12							
18	2	1A1030-48250	SEAL, QLF30621218	12							
19	2	22252-000620	RING, 62	12							
20	2	22252-000750	RING, 75	12							
21	2	933111-73800	BEARING	12							
22	1	172162-82980	BOLT M16X 35	12							
23	1	22217-160000	WASHER, SPRING 16	12							
24	1	933126-34300	SEAL, DKB3547710	2							
25	1	172146-37700	SPRING ASSY, CRAWLER	2							
26	1	172141-37801	PISTON, ADJUST	2							
27	1	172122-37843	VALVE ASSY, NIPPLE	2							
28	2	24315-000140	O-RING, 1BP14.0	2							
29	2	24761-020000	NIPPLE, GREASE PT1/8	2							
30	1	172141-37850	RING G35, BACK UP	2							
31	1	24325-000350	O-RING, 1BG35.0	2							
32	1	26013-100402	BOLT, M10X 40	8							

Fig.12. CRAWLER

Fig. 12 CRAWLER



CRAWLER (350, TRAIANGLE)



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

(F)=

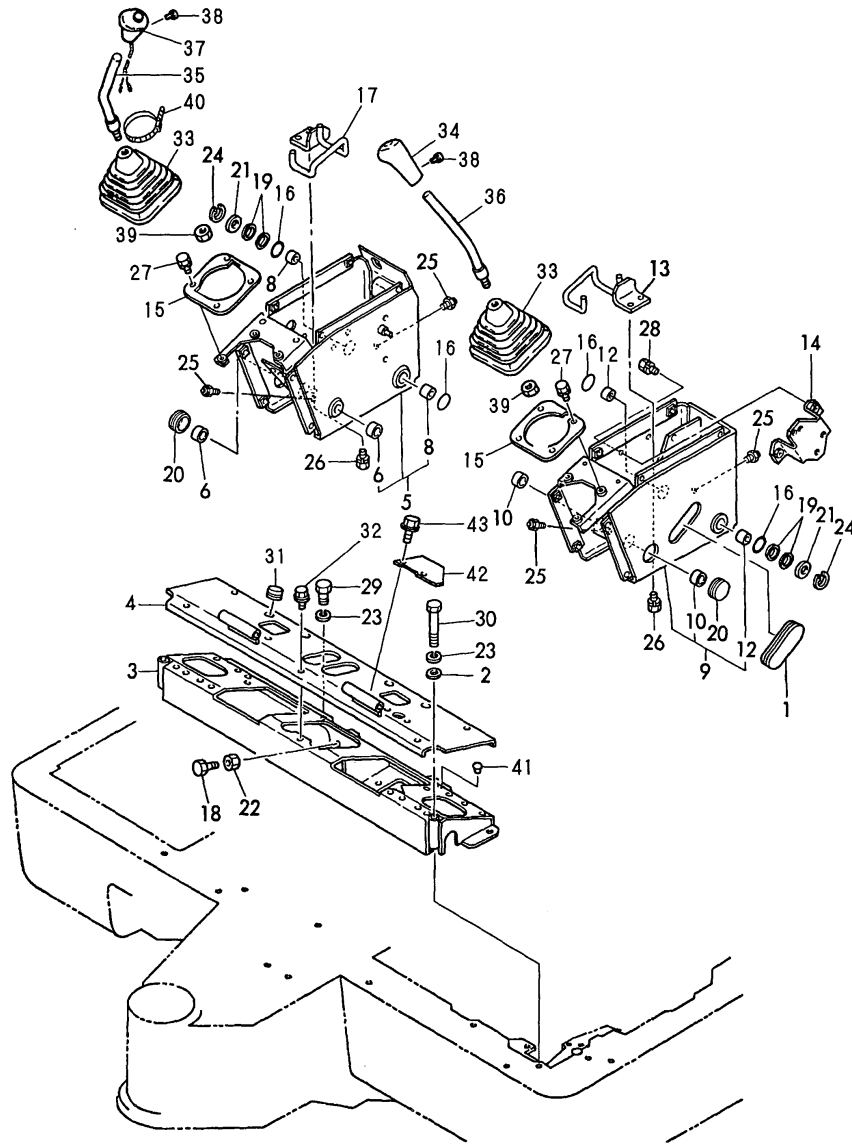
No.	Lev.	Parts No.	Description	Qty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	172141-38121	CRAWLER ASSY, 350	4								
2	2	172141-38130	LINK ASSY, CRAWLER	4								
3	3	172141-38200	BUSH	72								
4	3	172141-38210	PIN, CRAWLER	68								
5	2	172614-38550	CRAWLER ASSY	72								
6	1	172141-38220	PIN, MASTER	4								
7	1	172614-38300	PIN 5X45, LOCK	4								
8	1	172141-38260	TRACK ASSY, MASTER	4								1

Remarks

(1)REPAIR PART

Fig.13. CONTROL EQUIPMENT(LEVER STAND

Fig. 13 CONTROL EQUIPMENT
(LEVER STAND & OPERATION LEVER)



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

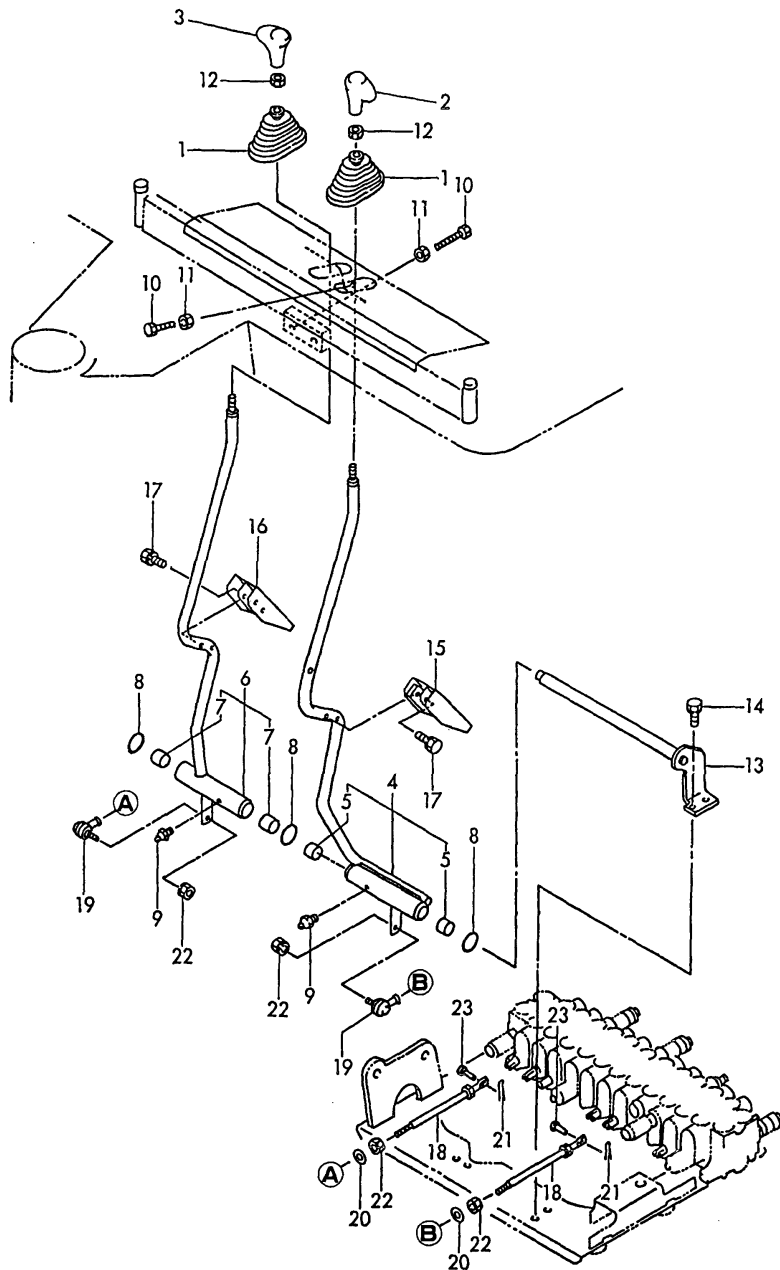
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172146-41320	GROMMET	1							
2	1	194145-04810	WASHER 10	2							
3	1	172165-46401	SUPPORT ASSY	1							
4	1	172165-46660	COVER ASSY	1							
5	1	172165-47100	STAND, LEVER	1							
6	2	172141-41370	BUSH 2015	2							
8	2	24550-025150	BUSH, 25X15	2							
9	1	172165-47300	STAND, LEVER	1							
10	2	172141-41370	BUSH 2015	2							
12	2	24550-025150	BUSH, 25X15	2							
13	1	172165-47730	GUIDE ASSY, HOSE	1							
14	1	172165-47770	BRACKET, ACCEL	1							
15	1	172165-47711	PLATE	2							
16	1	24311-000340	O-RING, 1AP34.0	4							
17	1	172165-47720	GUIDE ASSY, HOSE	1							
18	1	26116-100504	BOLT, M10X 50 PLATED	1							
19	1	172165-47980	SHIM	4							
20	1	172151-53430	GROMMET, 34	2							
21	1	172165-47990	WASHER 25.5X42	2							
22	1	26716-100002	NUT, M10	1							
23	1	22217-100000	WASHER, SPRING 10	7							
24	1	22242-000250	RING, 25	2							
25	1	24761-020000	NIPPLE, GREASE PT1/8	4							
26	1	26013-080202	BOLT, M8X 20	4							
27	1	26013-080162	BOLT, M8X 16	8							
28	1	26013-100202	BOLT, M10X 20	2							
29	1	26116-100202	BOLT, M10X 20 PLATED	4							
30	1	26116-100902	BOLT, M10X 90 PLATED	2							
31	1	194630-62360	GROMMET	4							
32	1	172519-63240	BOLT	5							
33	1	172151-45010	BOOT P,LEVER	2							
34	1	172165-45071	KNOB ASSY	1							
35	1	172165-47821	LEVER R ASSY, SI(72)	1							
36	1	172165-47851	LEVER L, SI	1							
37	1	172165-47871	KNOB ASSY	1							1
38	1	26587-040062	SCREW, M4X 6	2							
39	1	26736-140002	NUT, M14	2							
40	1	933168-55770	BAND 146	2							
41	1	194300-21450	PLUG	1							
42	1	172165-45620	COVER, SUPPORT	1							
43	1	172519-63240	BOLT	2							

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

Fig.14. CONTROL EQUIPMENT(TRAVEL)

Fig. 14 CONTROL EQUIPMENT (TRAVEL)



(A)=B22-2B

(B)=

(C)=

(D)=

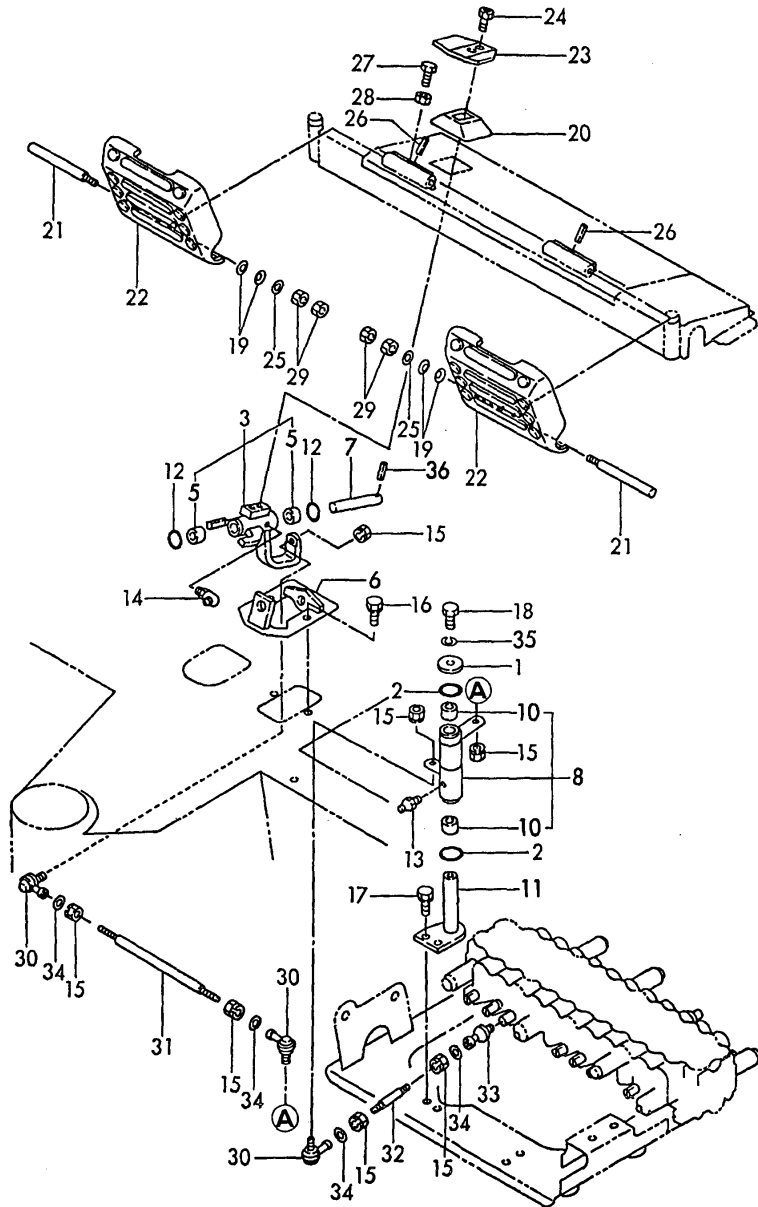
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-41340	BOOTS	2							
2	1	172164-45951	GRIP, DRIVE	1							
3	1	172164-45961	GRIP, DRIVE	1							
4	1	172168-45101	LEVER L COMP.,TRACK	1							
5	2	172141-41370	BUSH 2015	2							
6	1	172168-45121	LEVER R COMP.,TRACK	1							
7	2	172141-41370	BUSH 2015	2							
8	1	172124-46200	O-RING	3							
9	1	24761-020000	NIPPLE, GREASE PT1/8	2							
10	1	26116-100504	BOLT, M10X 50 PLATED	4							
11	1	26716-100002	NUT, M10	4							
12	1	26756-100002	NUT, LOCK M10	2							
13	1	172168-45200	SHAFT ASSY, TRACK	1							
14	1	26013-100252	BOLT, M10X 25	2							
15	1	172165-46100	PEDAL L ASSY	1							
16	1	172165-46150	PEDAL R COMP	1							
17	1	26013-060302	BOLT, M6X 30	4							
18	1	172168-45940	ROD 200	2							
19	1	172122-46590	ELBOW	2							
20	1	22137-080000	WASHER, 8	2							
21	1	22417-160160	PIN, COTTER 1.6X16	2							
22	1	26051-080002	NUT, M8	4							
23	1	933110-54100	PIN 4.75X14	2							

Fig.15. CONTROL EQUIPMENT(SWING)

Fig. **15** CONTROL EQUIPMENT (SWING)



(A)=B22-2B

(B)=

(C)=

(D)=

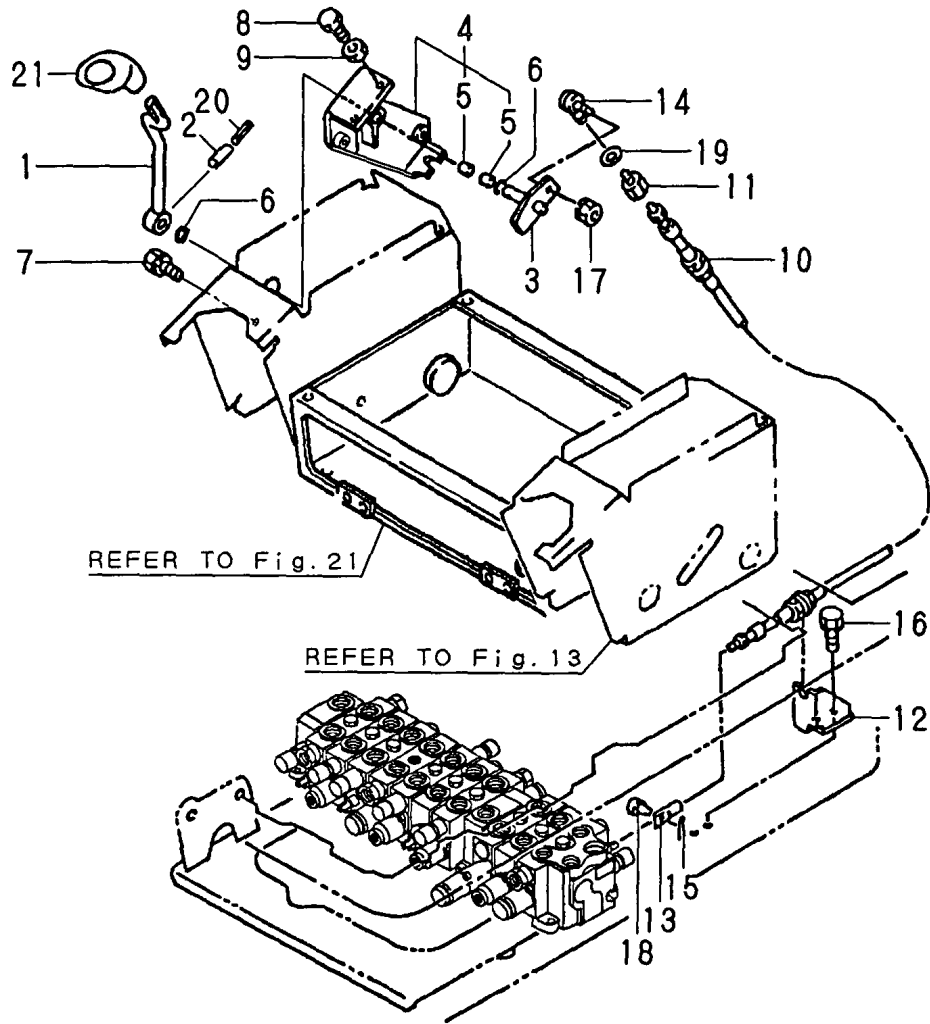
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	1A1040-45890	WASHER, 10X36X4.5	1							
2	1	172124-46200	O-RING	2							
3	1	172165-46301	LINK W/BUSH	1							
5	2	172141-41360	BUSH 1415	2							
6	1	172165-46350	BRACKET, PEDAL	1							
7	1	172146-41910	PIN 14-100	1							
8	1	172168-46800	LINK W/BUSH, SWING	1							
10	2	172141-41370	BUSH 2015	2							
11	1	172168-46820	SHAFT ASSY, SWING	1							
12	1	24311-000210	O-RING, 1AP21.0	2							
13	1	24761-020000	NIPPLE, GREASE PT1/8	1							
14	1	24761-050000	NIPPLE, GREASE C	1							
15	1	26051-080002	NUT, M8	7							
16	1	26013-100202	BOLT, M10X 20	2							
17	1	26013-100252	BOLT, M10X 25	2							
18	1	26116-100202	BOLT, M10X 20 PLATED	1							
19	1	172068-28490	SPRING	4							
20	1	172157-45990	BOOTS, PEDAL	1							
21	1	172165-46230	SHAFT, SWING	2							
22	1	172165-46261	COVER, PEDAL	2							
23	1	172165-46281	PEDAL ASSY, SWING	1							
24	1	172165-46340	BOLT	2							
25	1	22137-080000	WASHER, 8	2							
26	1	22351-040020	PIN, SPRING 4.0X20	2							
27	1	26116-080304	BOLT, M8X 30 PLATED	2							
28	1	26716-080002	NUT, M8	2							
29	1	26716-080002	NUT, M8	4							
30	1	172122-46590	ELBOW	3							
31	1	172168-46840	ROD 240	1							
32	1	172168-46860	ROD 100	1							
33	1	172122-47250	BALL 8, LINK	1							
34	1	22137-080000	WASHER, 8	4							
35	1	22217-100000	WASHER, SPRING 10	1							
36	1	22351-040032	PIN, SPRING 4.0X32	1							

Fig.16. CONTROL EQUIPMENT(BLADE)

Fig. 16 CONTROL EQUIPMENT (BLADE)



(A)=B22-2B

(B)=

(C)=

(D)=

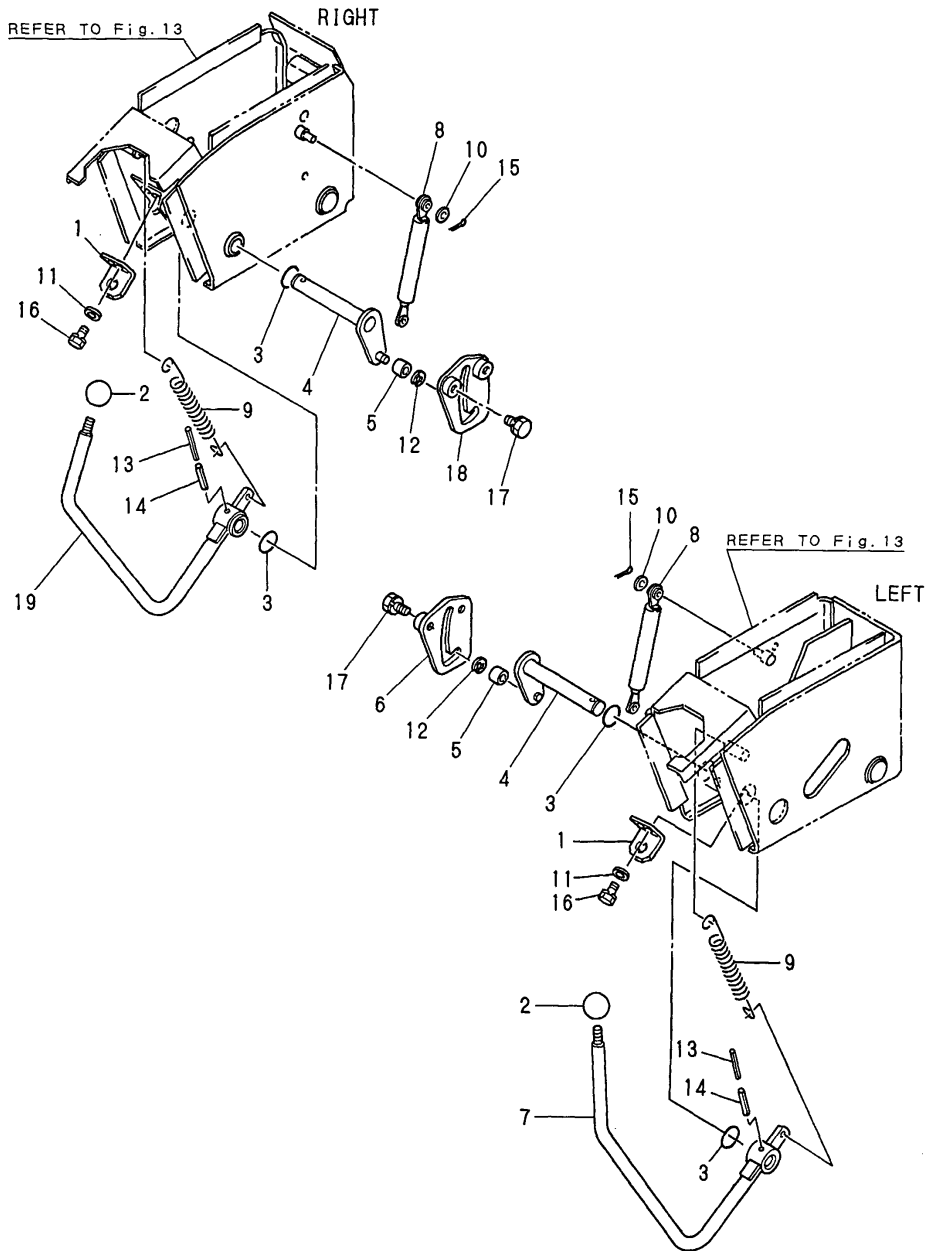
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-45270	LEVER ASSY, BLADE S	1							
2	1	22351-050032	PIN, SPRING 5.0X32	1							
3	1	172165-45140	LINK, BLADE	1							
4	1	172165-45181	BRACKET ASY	1							
5	2	172141-41360	BUSH 1415	2							
6	1	24311-000210	O-RING, 1AP21.0	2							
7	1	26013-100202	BOLT, M10X 20	3							
8	1	26116-100354	BOLT, M10X 35 PLATED	2							
9	1	26716-100002	NUT, M10	2							
10	1	172141-42950	CABLE, BLADE	1							
11	1	172141-42960	JOINT, CABLE	1							
12	1	172168-45140	SUPPORT, CABLE	1							
13	1	172142-45670	ROD, SPOOL	1							
14	1	172122-46590	ELBOW	1							
15	1	22417-160160	PIN, COTTER 1.6X16	1							
16	1	26013-100202	BOLT, M10X 20	2							
17	1	26051-080002	NUT, M8	1							
18	1	933110-54100	PIN 4.75X14	1							
19	1	933168-28480	WASHER, 20X9X3.2	1							
20	1	22351-030032	PIN, SPRING 3.0X32	1							
21	1	172164-45970	GRIP, BLADE	1							

Fig.17. CONTROL EQUIPMENT(CUT OFF LEVE

Fig. 17 CONTROL EQUIPMENT (CUT OFF LEVER)



(A)=B22-2B

(B)=

(C)=

(D)=

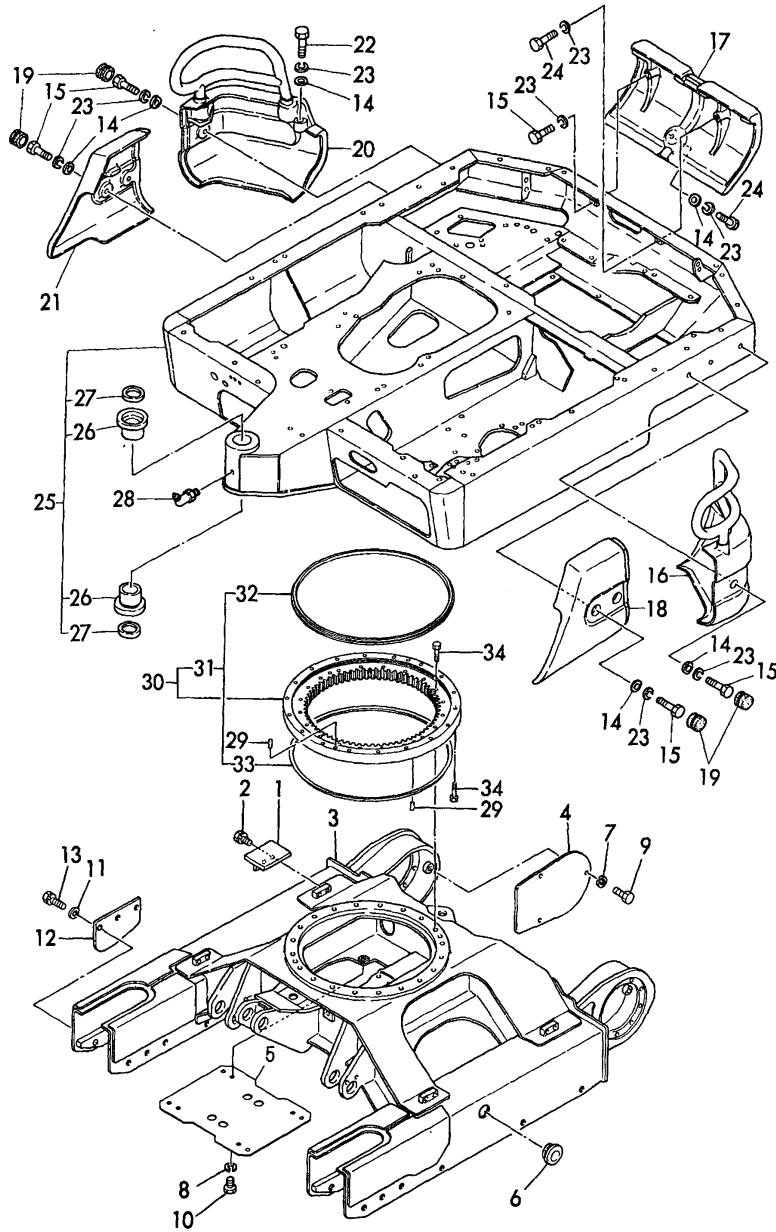
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-17150	BRACKET, SWITCH	2							
2	1	1D4070-23580	GRIP	2							
3	1	172124-46200	O-RING	4							
4	1	172165-47500	ARM ASSY, LOCK	2							
5	1	172165-47550	BUSH	2							
6	1	172165-47621	GUIDE ASSY, LOCK	1							
7	1	172165-47450	LEVER (L), LOCK	1							
8	1	172165-47801	SPRING, GAS	2							
9	1	1A1380-56661	SPRING, RETURN	2							
10	1	22137-080000	WASHER, 8	4							
11	1	22137-080000	WASHER, 8	4							
12	1	22272-000070	RING, E- 7	2							
13	1	22351-035040	PIN, SPRING 3.5X40	2							
14	1	22351-060040	PIN, SPRING 6.0X40	2							
15	1	22417-200200	PIN, COTTER 2.0X20	4							
16	1	26013-080202	BOLT, M8X 20	4							
17	1	26013-100202	BOLT, M10X 20	4							
18	1	172165-47601	GUIDE ASSY, LOCK	1							
19	1	172168-47400	LEVER	1							

Fig.18. FRAME & TURNING BEARING

Fig. 18 FRAME & TURNING BEARING



(A)=B22-2B

(B)=

(C)=

(D)=

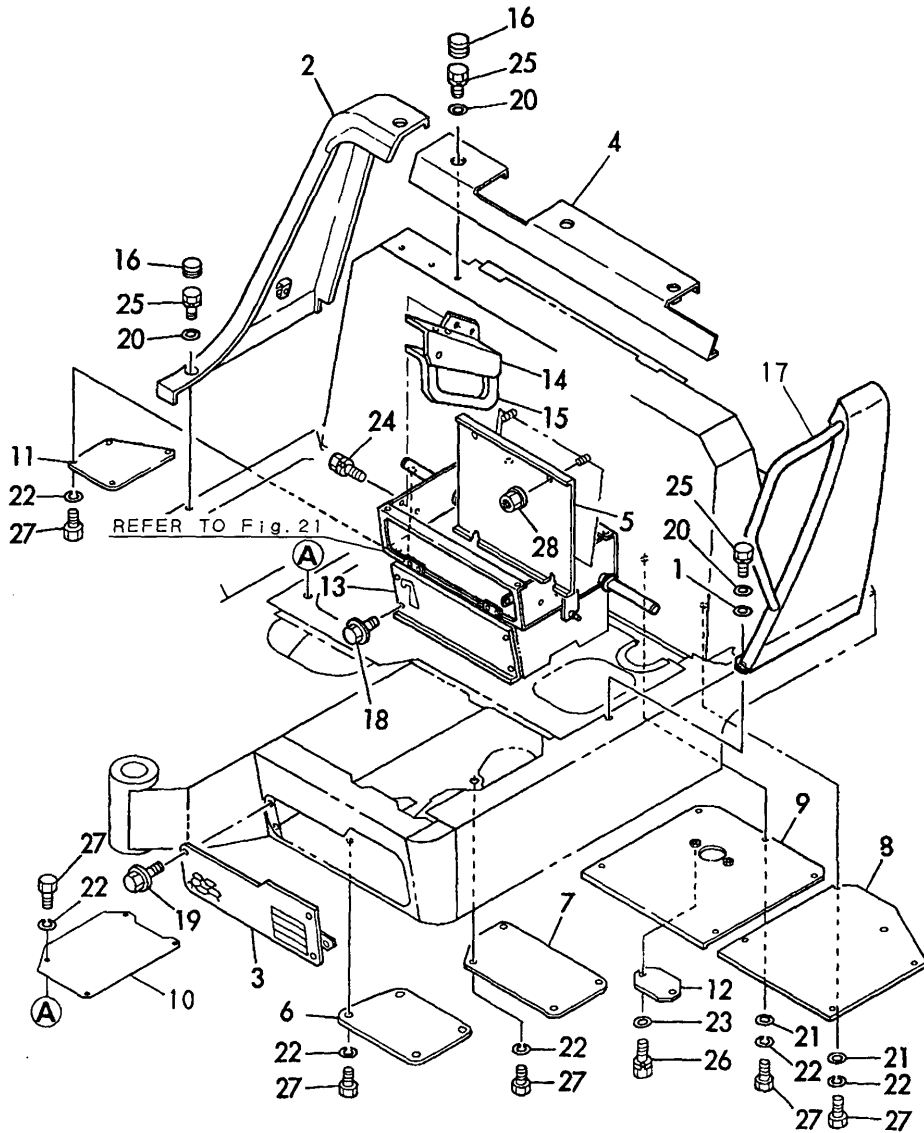
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-37501	PLATE ASSY, SHOE	4							
2	1	26013-100302	BOLT, M10X 30	8							
3	1	172141-50103	FRAME ASSY, LOWER	1							
4	1	172141-50750	COVER, MOTOR	2							
5	1	172141-50762-1	COVER	1							
6	1	172141-50890	GROMMET	2							
7	1	22217-100000	WASHER, SPRING 10	6							
8	1	22217-120000	WASHER, SPRING 12	4							
9	1	26116-100202	BOLT, M10X 20 PLATED	6							
10	1	26116-120252	BOLT, M12X 25 PLATED	4							
11	1	172730-05250	WASHER 12	12							
12	1	172141-50901	GUARD, SHOE	4							
13	1	26013-120452	BOLT, M12X 45	12							
14	1	172730-05250	WASHER 12	9							
15	1	172131-37170	BOLT M12X 30	7							
16	1	172168-53300	WEIGHT, COUNTER	1							
17	1	172171-53310	WEIGHT, CENTER	1							
18	1	172171-53340	WEIGHT, SIDE	1							
19	1	172141-53350	GROMMET, 26	6							
20	1	172168-53350	WEIGHT, COUNTER	1							
21	1	172171-53350	WEIGHT, SIDE	1							
22	1	172168-53450	BOLT 12X70	2							
23	1	22217-120000	WASHER, SPRING 12	11							
24	1	26116-120552	BOLT, M12X 55 PLATED	2							
25	1	172171-54102-4	FRAME,TURNING(GREEN)	1							
26	2	172171-54750	BUSH 50X65	2							
27	2	172165-81760	SEAL, DUST 50X60X4	2							
28	1	24761-040000	NIPPLE, GREASE B	1							
29	1	194940-24350	PIN, 10X28	4							
30	1	172141-57601	BEARING, SWING	1							
31	2	172141-57610	SEAL SET	1							
32	3	172141-57620	SEAL	1							
33	3	172141-57630	SEAL	1							
34	1	172141-57650	BOLT M12X 55 PLATED	38							

Fig.19. FRAME COVER

Fig. 19 FRAME COVER



(A)=B22-2B

(B)=

(C)=

(D)=

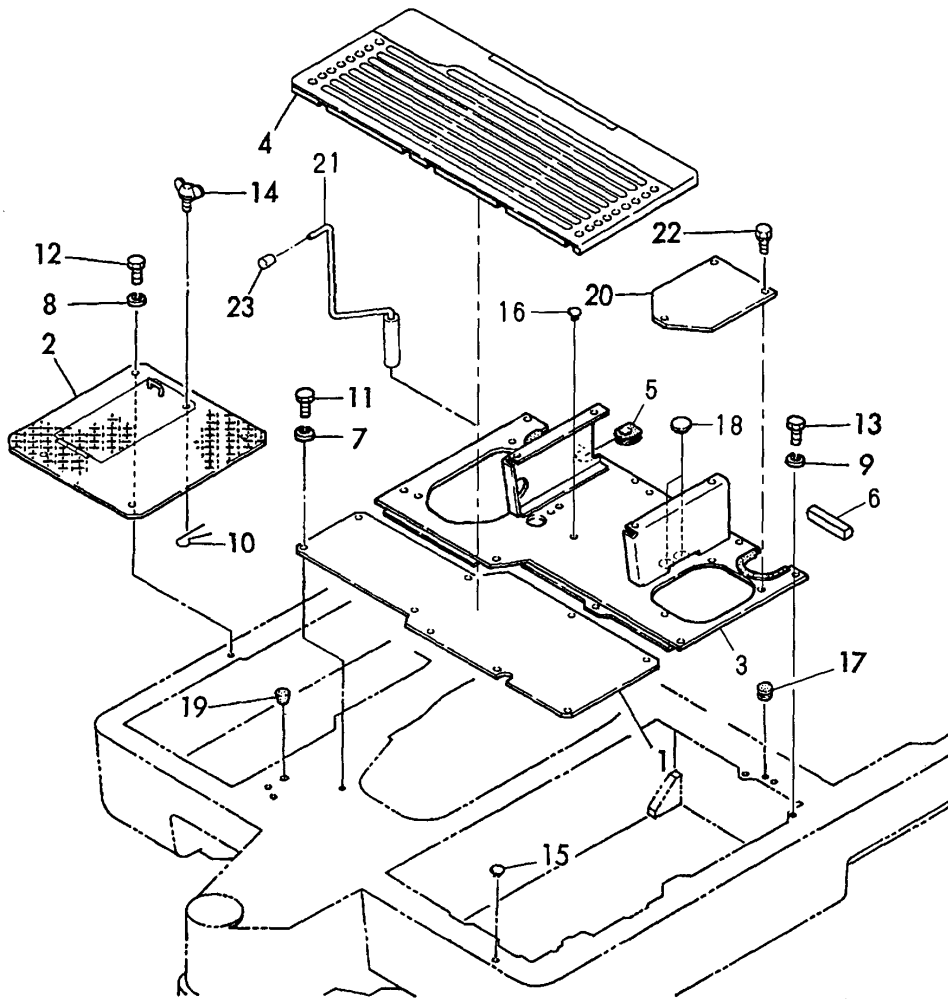
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194145-04810	WASHER 10	3							
2	1	172165-61190-4	COVER	1							
3	1	172168-61350-4	COVER, LAMP	1							
4	1	172171-61400-4	COVER ASSY	1							
5	1	172165-61450-4	COVER ASSY	1							
6	1	172168-61500-4	PLATE A (GREEN:97)	1							
7	1	172168-61510-4	PLATE B (GREEN:97)	1							
8	1	172171-61520-4	PLATE C	1							
9	1	172171-61530-4	PLATE D COMPL.	1							
10	1	172428-61550	PLATE F	1							
11	1	172171-61550-4	PLATE E	1							
12	1	172168-61560-4	PLATE G (GREEN:97)	1							
13	1	172165-61600	COVER	1							
14	1	172165-61701	COVER, LINK	1							
15	1	172165-61720	RUBBER	1							
16	1	172186-81930	PLUG	6							
17	1	172165-61820-4	COVER	1							
18	1	172519-63240	BOLT	4							
19	1	172519-63240	BOLT	4							
20	1	22137-100000	WASHER, 10	9							
21	1	22137-100000	WASHER, 10	9							
22	1	22217-100000	WASHER, SPRING 10	25							
23	1	22217-100000	WASHER, SPRING 10	2							
24	1	26013-080162	BOLT, M8X 16	2							
25	1	26013-100352	BOLT, M10X 35	9							
26	1	26116-100162	BOLT, M10X 16 PLATED	2							
27	1	26116-100202	BOLT, M10X 20 PLATED	25							
28	1	26367-100002	NUT, M10	4							

Fig.20. STEP

Fig. **20** STEP



(A)=B22-2B

(B)=

(C)=

(D)=

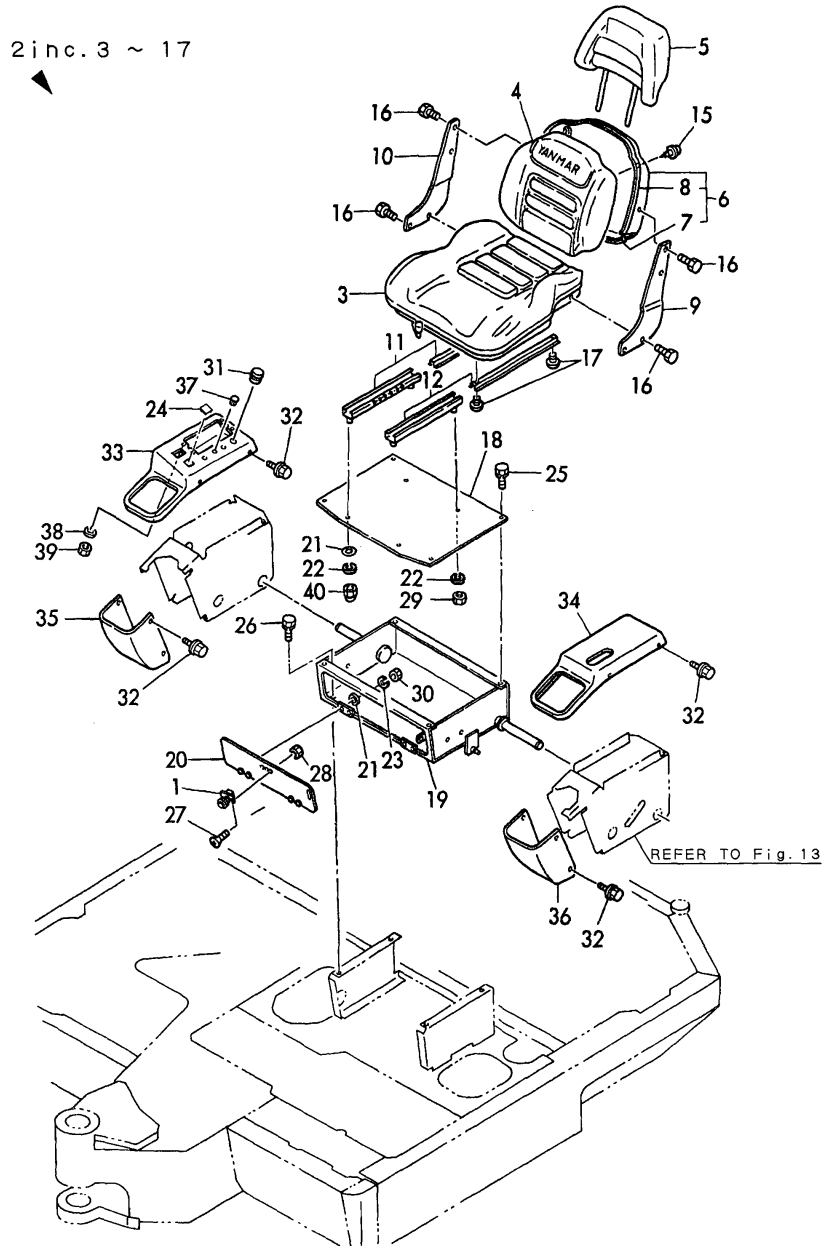
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-62100	STEP	1							
2	1	172171-62100-4	STEP	1							
3	1	172428-62600	STEP	1							
4	1	172168-62201	MAT, FLOOR	1							
5	1	172165-62800	GROMMET	1							
6	1	172165-62630	RUBBER 90,EDGE	1							
7	1	22217-100000	WASHER, SPRING 10	9							
8	1	22217-100000	WASHER, SPRING 10	4							
9	1	22217-100000	WASHER, SPRING 10	7							
10	1	22411-300200	COTTER PIN 3.0X 20	1							
11	1	26116-100202	BOLT, M10X 20 PLATED	9							
12	1	26116-100202	BOLT, M10X 20 PLATED	4							
13	1	26116-100202	BOLT, M10X 20 PLATED	7							
14	1	172142-62300	WING BOLT M10X15	1							
15	1	172122-17190	CLIP, TREE	5							
16	1	172122-17190	CLIP, TREE	4							
17	1	172157-54850	GROMMET, 18	1							
18	1	172151-62240	GROMMET	2							
19	1	172165-68250	PLUG,RUBBER	1							
20	1	172165-62300	STEP	1							
21	1	172171-58800	PIN, LOCK	1							
22	1	26013-100202	BOLT, M10X 20	3							
23	1	172116-46630	KNOB, LEVER	1							

Fig.21. SEAT & SEAT MOUNT

Fig.21 SEAT & SEAT MOUNT



(A)=B22-2B

(B)=

(C)=

(D)=

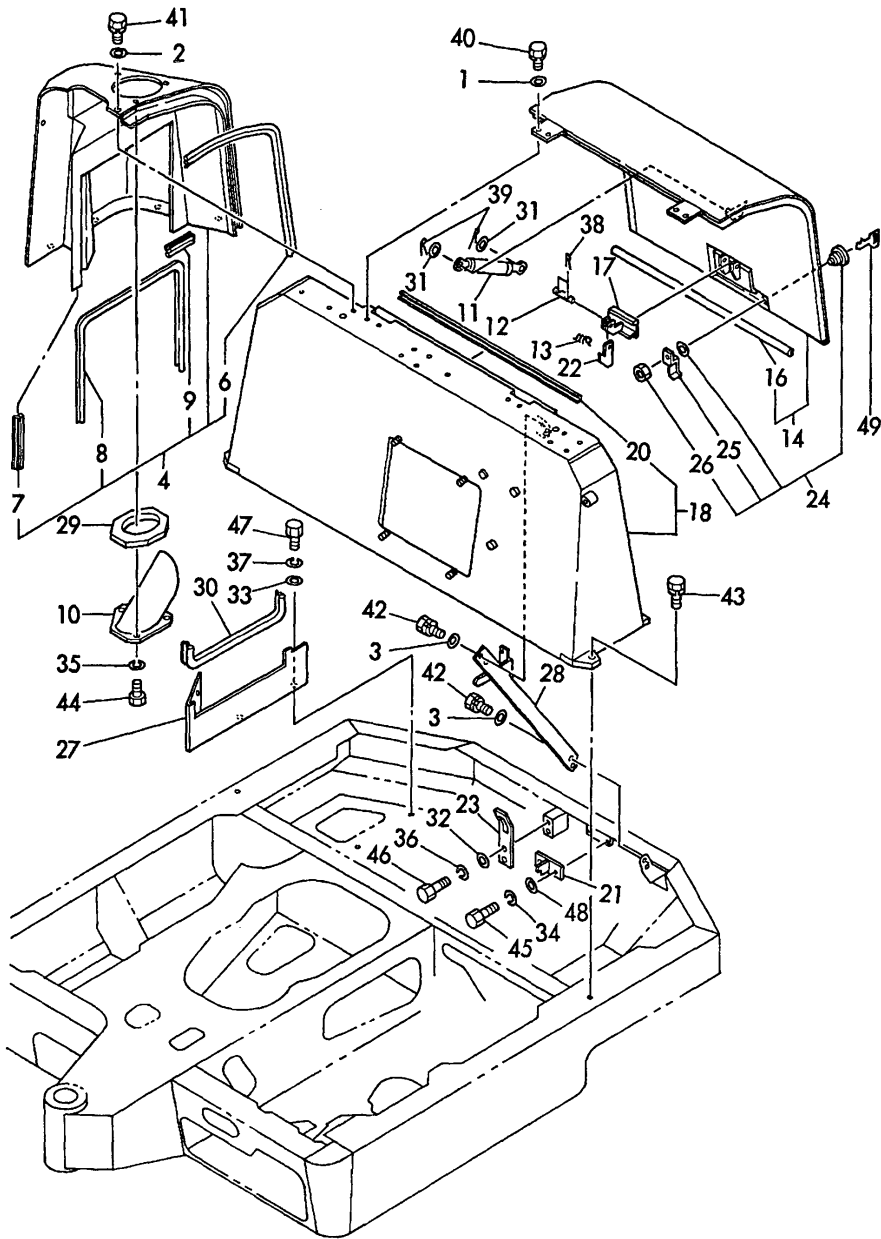
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172212-61230	FASTENER, DIAL	1							
2	1	172162-64200	SEAT ASSY, OPERATOR	1							
3	2	172162-64210	CUSHION ASSY	1							
4	2	172162-64220	CHSHION ASSY, BACK	1							
5	2	172162-64230	CHSHION ASSY, BACK	1							
6	2	172162-64240	PANEL, BACK	1							
7	3	172162-64320	TRIM	1							
8	3	172162-64330	RUBBER B,EDGE	1							
9	2	172162-64250	BRACKET L, SIDE	1							
10	2	172162-64260	BRACKET R, SIDE	1							
11	2	172162-64270	ADJUSTER	1							
12	2	172162-64280	ADJUSTER	1							
15	2	172162-64310	SCREW, M5X10	3							
16	2	26013-080202	BOLT, M8X 20	8							
17	2	26022-080162	SCREW, M8X16	4							
18	1	172165-64691	PLATE, SEAT	1							
19	1	172165-64801	MOUNT, SEAT	1							
20	1	172165-64601	COVER ASSY, MOUNT	1							
21	1	22137-080000	WASHER, 8	6							
22	1	22217-080000	WASHER, SPRING 8	4							
23	1	22217-080000	WASHER, SPRING 8	4							
24	1	172165-63660	CAP	1							
25	1	26013-100202	BOLT, M10X 20	4							
26	1	26013-100202	BOLT, M10X 20	4							
27	1	26577-050122	SCREW, M5X12	2							
28	1	26716-050002	NUT, M5	2							
29	1	26716-080002	NUT, M8	2							
30	1	26716-080002	NUT, M8	4							
31	1	194300-21460	CAP, RUBBER 25	1							
32	1	172519-63240	BOLT	16							
33	1	172165-63501	PANEL(R),INST(SI	1							
34	1	172165-63550	PANEL(L), INSTRUMENT	1							
35	1	172165-63600	COVER, PANEL	1							
36	1	172165-63620	COVER, PANEL	1							
37	1	172165-63650	PLUG 10,HOLE	3							
38	1	22137-040000	WASHER, 4	4							
39	1	26716-040002	NUT, M4	4							
40	1	172165-64770	NUT, CAP M8	2							

Fig.22. BONNET

Fig. **22** BONNET



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

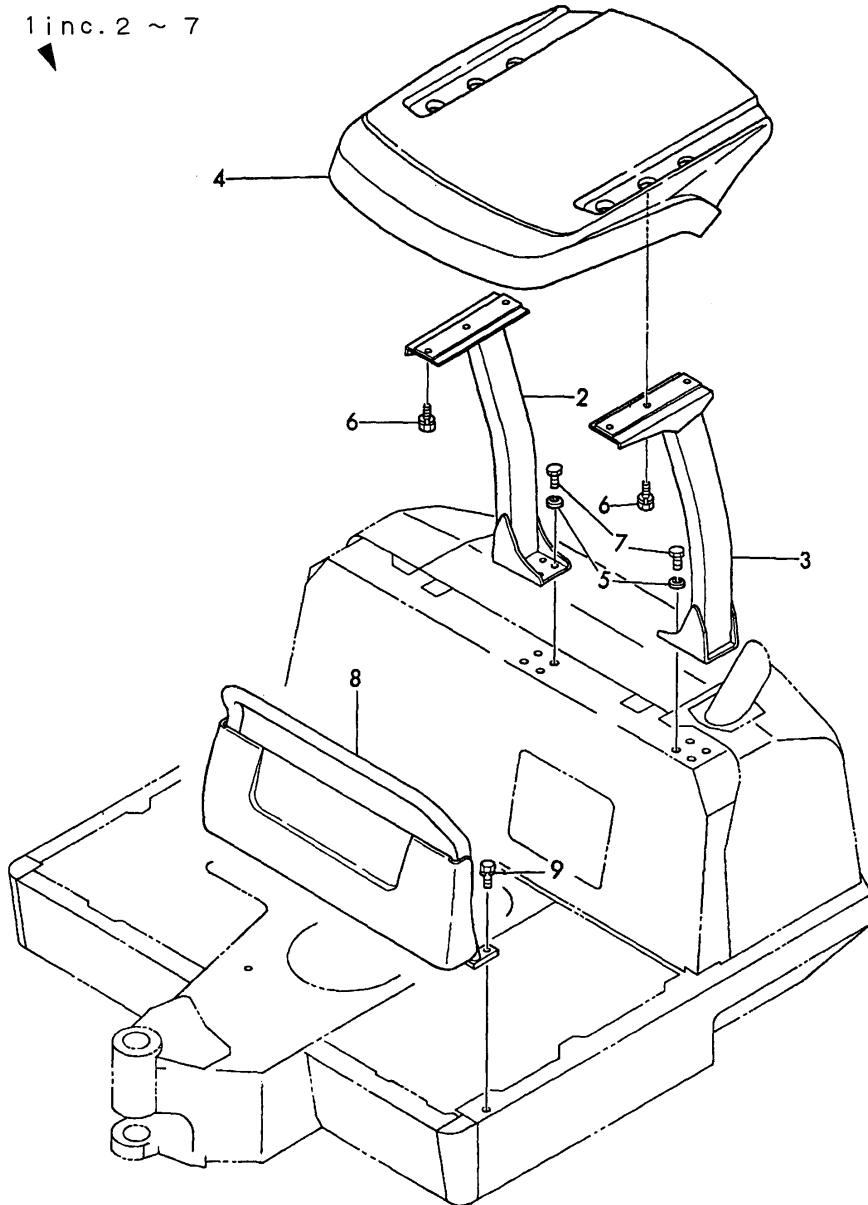
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194145-04810	WASHER 10	4							
2	1	194145-04810	WASHER 10	6							
3	1	194145-04810	WASHER 10	4							
4	1	172171-65100-4	BONNET (GREEN)	1							
6	2	172171-65780	RUBBER, SEAL	1							
7	2	172168-65790	RUBBER, SEAL	1							
8	2	172171-65820	RUBBER, SEAL	1							
9	2	172171-65850	RUBBER, SEAL	1							
10	1	172168-65200	PIPE, EXTENSION	1							
11	1	172168-65260	SPRING, GAS	1							
12	1	172734-65260	PIN, BONNET LEVER	1							
13	1	172734-65270	SPRING, CATCH	1							
14	1	172171-65300-4	BONNET (GREEN)	1							
16	2	172168-65760	RUBBER, SEAL	1							
17	1	172124-65450	LEVER, LOCK	1							
18	1	172171-65451-4	BONNET A	1							
20	2	172168-65750	RUBBER, SEAL	1							
21	1	172126-65460	HOOK	1							
22	1	172124-65480	CATCHER	1							
23	1	172124-65490	PLATE, CATCH	1							
24	1	172126-65500	KEY ASSY, CYLINDER	1							
25	2	172126-65571	WASHER LOCK	1							
26	2	26347-100002	NUT, M10	1							
27	1	172171-65601-4	DUCT ASSY	1							
28	1	172171-65650-4	BRACKET	1							
29	1	172168-65740	SEAL	1							
30	1	172171-65830	RUBBER, SEAL	1							
31	1	22137-080000	WASHER, 8	2							
32	1	22137-100000	WASHER, 10	2							
33	1	22137-100000	WASHER, 10	3							
34	1	22217-080000	WASHER, SPRING 8	2							
35	1	22217-080000	WASHER, SPRING 8	3							
36	1	22217-100000	WASHER, SPRING 10	2							
37	1	22217-100000	WASHER, SPRING 10	3							
38	1	22417-200200	PIN, COTTER 2.0X20	2							
39	1	22417-200200	PIN, COTTER 2.0X20	2							
40	1	26013-100252	BOLT, M10X 25	4							
41	1	26013-100252	BOLT, M10X 25	6							
42	1	26013-100252	BOLT, M10X 25	4							
43	1	26013-120352	BOLT, M12X 35	5							
44	1	26116-080162	BOLT, M8X 16 PLATED	3							
45	1	26116-080202	BOLT, M8X 20 PLATED	2							
46	1	26116-100202	BOLT, M10X 20 PLATED	2							
47	1	26116-100202	BOLT, M10X 20 PLATED	3							
48	1	933152-02900	WASHER	2							
49	1	933110-00301	KEY ASSY	1							

Fig.23. CANOPY

Fig. **23** CANOPY

1 inc. 2 ~ 7



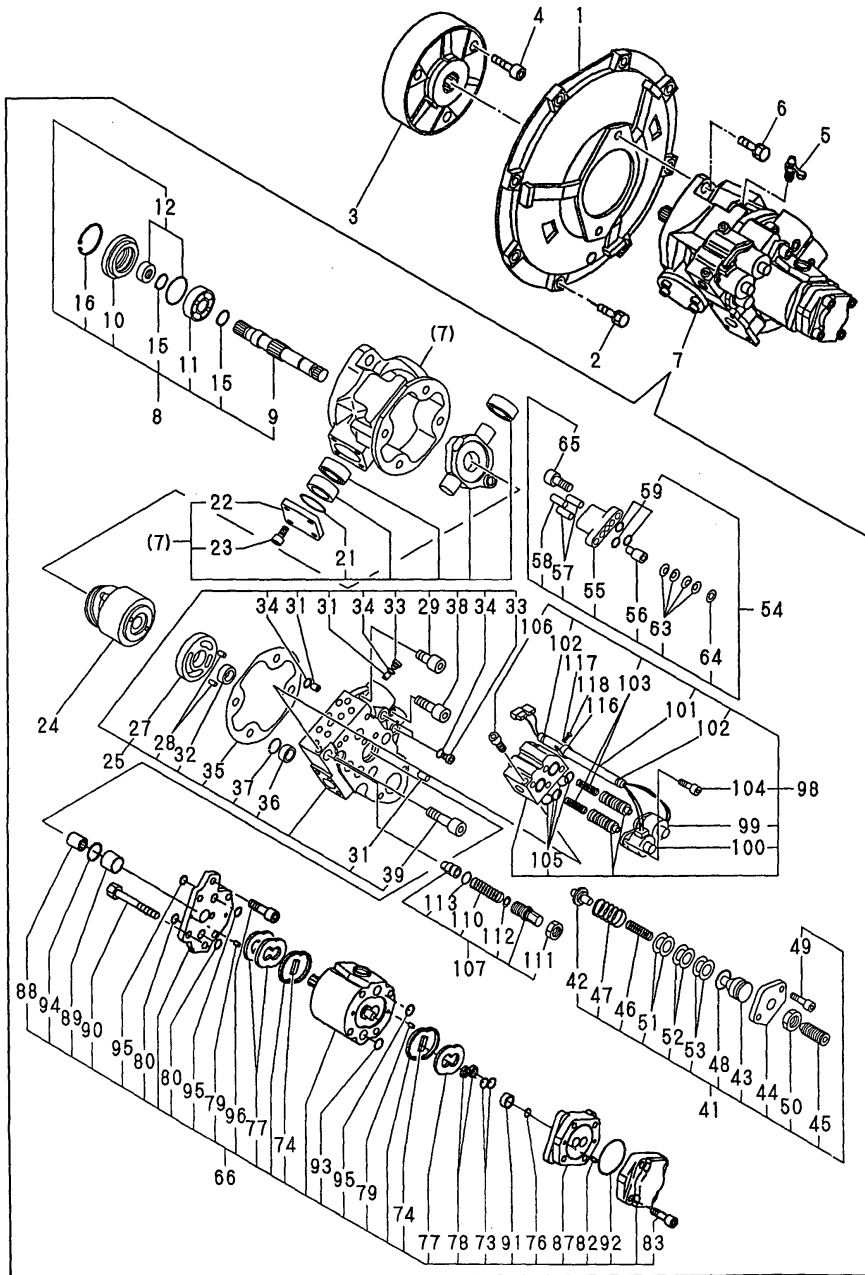
(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772165-68100-4	CANOPY ASSY	1							
2	2	172165-68100-4	POLE ASSY,CANOPY R	1							
3	2	172165-68110-4	POLE ASSY,CANOPY L	1							
4	2	172429-68300	ROOF,CANOPY	1							
5	2	22217-140000	WASHER, SPRING 14	8							
6	2	26013-120402	BOLT, M12X 40	6							
7	2	172165-68180	BOLT, M14X 35	8							
8	1	172165-68200-4	CANOPY ASSY, FRONT	1							
9	1	26013-120352	BOLT, M12X 35	2							

Fig.24. HYD.OIL PUMP & JOINT

Fig. **24** HYD.OIL PUMP & JOINT



(A)=B22-2B

(B)=

(C)=

(D)=

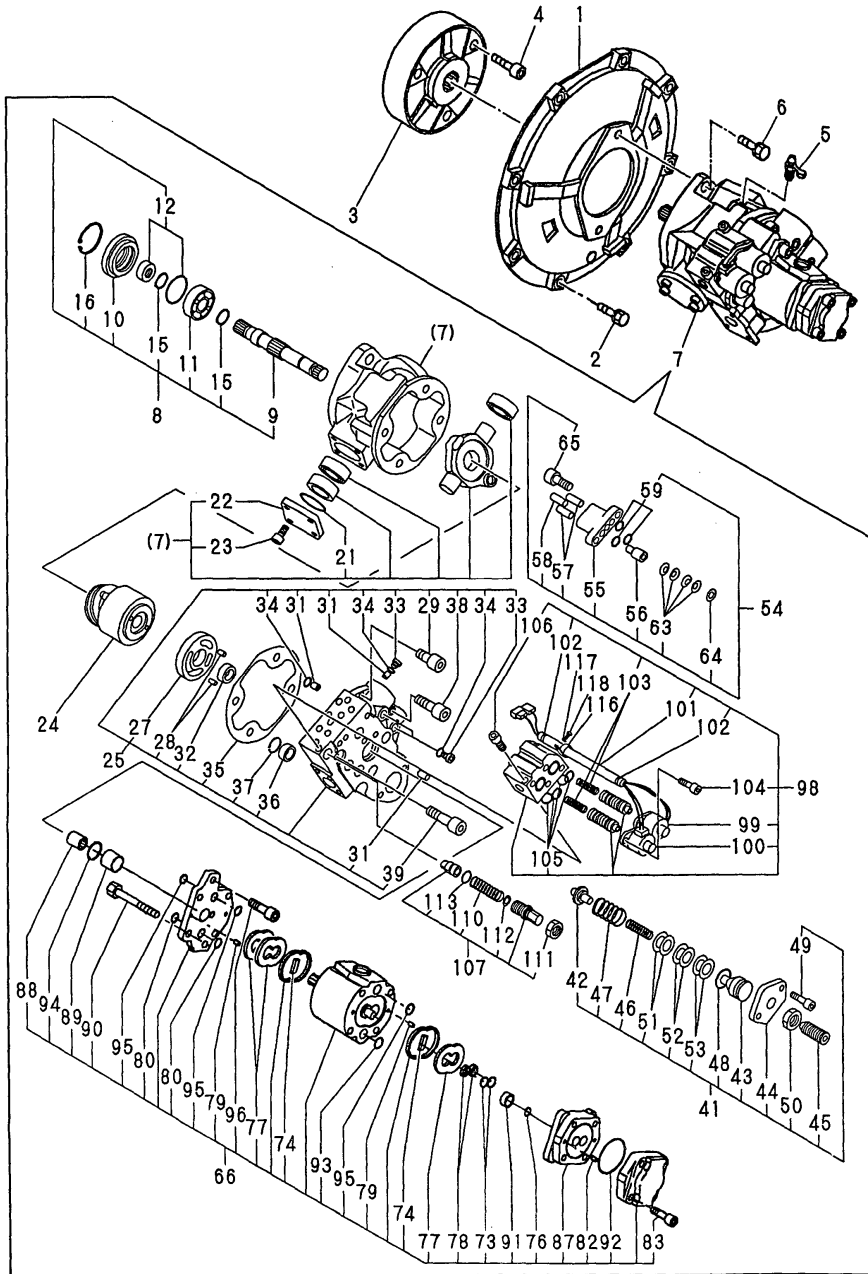
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-71101	COVER, FLYWHEEL	1							
2	1	26013-100302	BOLT, M10X 30	8							
3	1	172165-71200	COUPLING	1							
4	1	26450-120402	BOLT, M12X 40	3							
5	1	172164-73110	VALVE	1							
6	1	26013-120352	BOLT, M12X 35	2							
7	1	172171-73212	PUMP ASSY, 4-THROW	1							
8	2	172168-71200	SHAFT ASSY	1							
9	3	172168-71310	SHAFT	1							
10	3	172168-71320	SEAL, CASE	1							
11	3	172168-71330	BEARING	1							
12	3	172164-73170	SEAL ASSY	1							
15	3	22242-000250	RING, 25	2							
16	3	22252-000620	RING, 62	1							
21	2	172168-71340	O-RING	1							
22	2	172168-71550	COVER	1							
23	2	26450-060162	BOLT, M6X 16	4							
24	2	172175-73111	ROTARY COMP.	1							
25	2	172164-73410	COVER ASSY	1							
27	3	172175-73150	PLATE, CONTROL	1							
28	3	22312-060140	PIN, PARALLEL M6X14	2							
29	3	26450-100302	BOLT, M10X 30	3							
31	3	172165-73580	ORIFICE	3							
32	3	172168-71560	BEARING	1							
33	3	172142-74650	PLUG 1/8	4							
34	3	24315-000080	O-RING, 1BP8.0	5							
35	3	172168-71360	GASKET	1							
36	3	172164-73660	FILTER	1							
37	3	172164-73670	CIRCLIP	1							
38	3	26450-100502	BOLT, M10X 50	1							
39	3	26450-100552	BOLT, M10X 55	1							
41	2	172168-73220	SPRING ASSY, CONTROL	1							
42	3	172168-71380	SEAT, SPRING	1							
43	3	172168-71390	SEAT, SPRING	1							
44	3	172164-73720	COVER	1							
45	3	172165-73640	SCREW, ADJUST	1							
46	3	172175-73450	SPRING	1							
47	3	172168-73230	SPRING	1							
48	3	172168-71430	O-RING	1							
49	3	26450-080302	BOLT, M8X 30	2							
50	3	172165-73670	NUT, M16	1							
51	3	172168-71440	SHIM	2							
52	3	172168-71450	SHIM	2							
53	3	172168-71460	SHIM	2							
54	2	172171-73230	PISTON ASSY, CONTROL	1							
55	3	172168-71470	CYLINDER	1							
56	3	172171-73270	PISTON	1							
57	3	172168-71490	PARALLEL PIN	2							
58	3	172168-71500	PARALLEL PIN	1							
59	3	172164-73220	O-RING	1							
63	3	172168-71520	SPRING	4							

Fig.24. HYD.OIL PUMP & JOINT

Fig. **24** HYD.OIL PUMP & JOINT



(A)=B22-2B

(B)=

(C)=

(D)=

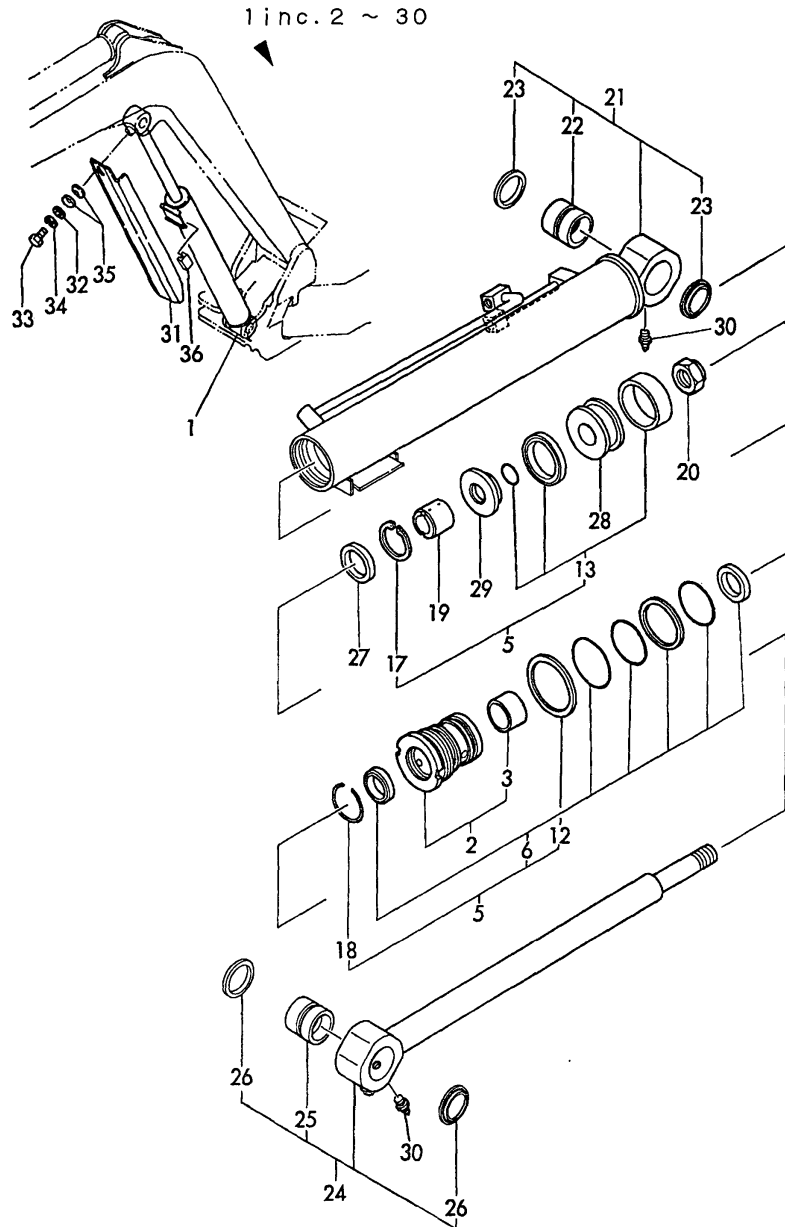
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
64	3	172168-71530	RETAINER	1							
65	3	26450-080252	BOLT, M8X 25	2							
66	2	172175-73440	PUMP ASSY, GEAR	1							
73	3	172141-71550	O-RING	2							
74	3	172141-71560	RING	2							
76	3	172141-73210	CIRCLIP	1							
77	3	172141-73220	PLATE	3							
78	3	172141-73230	GUIDE	2							
79	3	172141-73240	PIN, PARALLEL	4							
80	3	172147-73650	O-RING	2							
82	3	172141-73240	PIN, PARALLEL	1							
83	3	26450-080402	BOLT, M8X 40	4							
87	3	172164-73770	FRAME, MIDDLE	1							
88	3	172164-73830	COUPLING	1							
89	3	172164-73840	BUSH	1							
90	3	172164-73850	HEX.HEAD BOLT	4							
91	3	172164-73870	COUPLING	1							
92	3	172165-73870	O-RING	1							
93	3	172164-73880	O-RING, NBR HS70	1							
94	3	172164-73890	O-RING, NBR HS70	1							
95	3	24315-000100	O-RING, 1BP10.0	3							
96	3	26450-100252	BOLT, M10X 25	2							
98	2	172164-73461	VALVE	1							
99	3	172164-73010	SOLENOID	1							
100	3	172164-73020	SOLENOID	1							
101	3	172164-73030	COVER, SUPPORT	1							
102	3	172164-73040	BAND, BINDER	2							
103	3	172162-74820	SPRING	2							
104	3	172162-74860	BOLT	4							
105	3	24311-000160	O-RING, 1AP16.0	4							
106	3	26450-080252	BOLT, M8X 25	2							
107	2	172164-73470	VALVE ASSY, RELIEF	1							
110	3	172164-73380	SPRING	1							
111	3	172164-73390	NUT	1							
112	3	172164-73990	SHIM, 6.5X12X0.5	1							
113	3	172141-74430	O-RING	1							
116	2	172164-73490	CLAMP	1							
117	2	172164-73500	WASHER	1							
118	2	172162-74860	BOLT	1							

Fig.25. BOOM CYLINDER

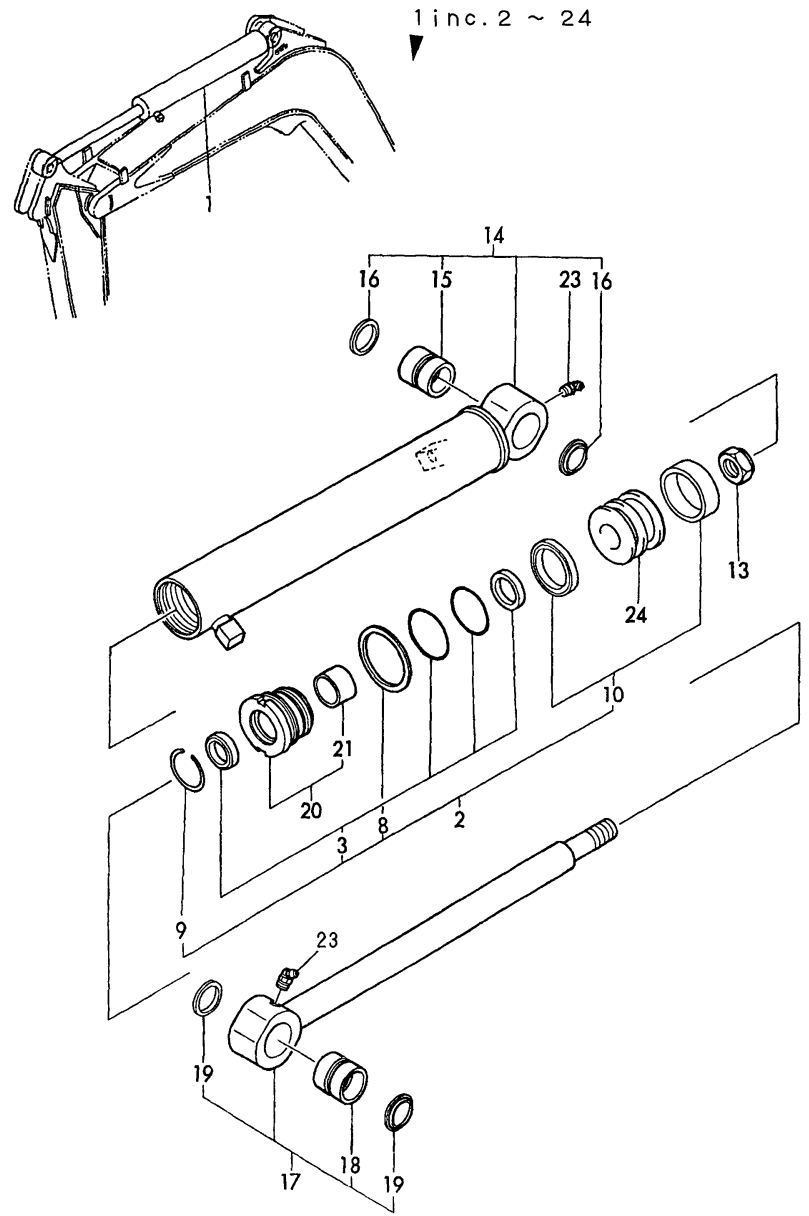
Fig. **25** BOOM CYLINDER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-72273-4	CYLINDER ASSY, BOOM	1							
2	2	172141-72140	HEAD 75 40	1							
3	3	933135-14600	BUSH 40 30, ROD	1							
5	2	172141-99350	CYLINDER KIT, BOOM	1							
6	3	172141-71880	SEAL SET, HEAD	1							
12	3	172141-72190	WASHER 75	1							
13	3	172141-71911	SEAL SET, PISTON	1							
17	3	22252-000561	RING, 56	1							
18	3	933111-26600	RING 55, SPRING	1							
19	2	172141-72220	PLUNGER 44C, CUSHION	1							
20	2	172141-72250	NUT	1							
21	2	172141-72282-4	TUBE ASSY, BOOM	1							
22	3	172143-72331	BUSH 38 50	1							
23	3	172168-81270	SEAL, DUST	2							
24	2	172141-72322	ROD COMP	1							
25	3	172143-72331	BUSH 38 50	1							
26	3	172168-81270	SEAL, DUST	2							
27	2	172137-72730	RING 44B, CUSHION	1							
28	2	172141-73051	PISTON 75 27 A	1							
29	2	172141-73061	PISTON 75 27 B	1							
30	2	24761-020000	NIPPLE, GREASE PT1/8	2							
31	1	172141-72592-4	COVER, SLIDE	1							
32	1	933147-03400	WASHER, BRAKE ARM	1							
33	1	26116-100162	BOLT, M10X 16 PLATED	1							
34	1	22217-100000	WASHER, SPRING 10	1							
35	1	933168-14170	SPRING	2							
36	1	172162-61770	GUIDE, SLIDE	2							

Fig.26. ARM CYLINDER

Fig. **26** ARM CYLINDER



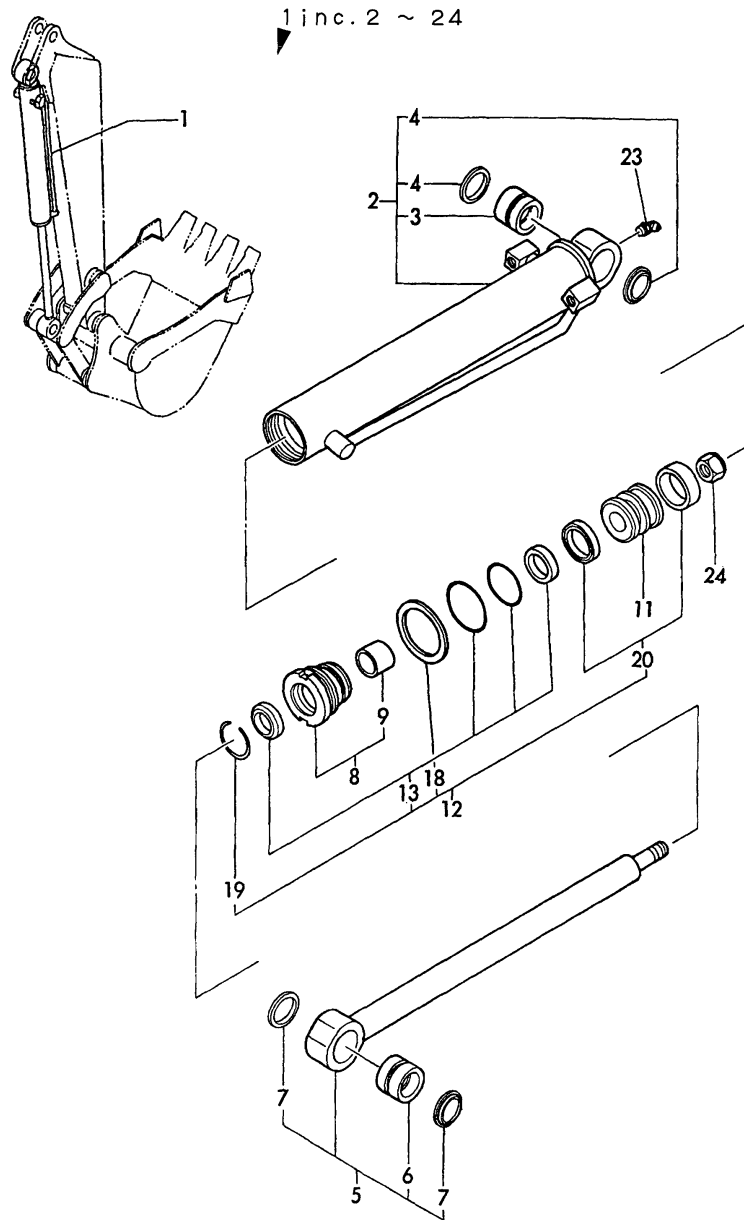
(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-72351-4	CYLINDER ASSY, ARM	1							
2	2	172141-99380	CYLINDER KIT, ARM	1							
3	3	172141-71890	SEAL SET, HEAD	1							
8	3	172141-72190	WASHER 75	1							
9	3	933111-26600	RING 55, SPRING	1							
10	3	172148-72930	SEAL SET, PISTON	1							
13	2	172141-72250	NUT	1							
14	2	172141-72361-4	TUBE ASSY	1							
15	3	172171-72150	BUSH 38X50X40	1							
16	3	172168-81270	SEAL, DUST	2							
17	2	172141-72381	ROD W/BUSH, ARM	1							
18	3	172171-72150	BUSH 38X50X40	1							
19	3	172168-81270	SEAL, DUST	2							
20	2	172141-72690	HEAD 75 40 W/BUSH	1							
21	3	933135-14600	BUSH 40 30, ROD	1							
23	2	24761-040000	NIPPLE, GREASE B	2							
24	2	172175-72470	PISTON 75	1							

Fig.27. BUCKET CYLINDER

Fig.27 BUCKET CYLINDER



(A)=B22-2B

(B)=

(C)=

(D)=

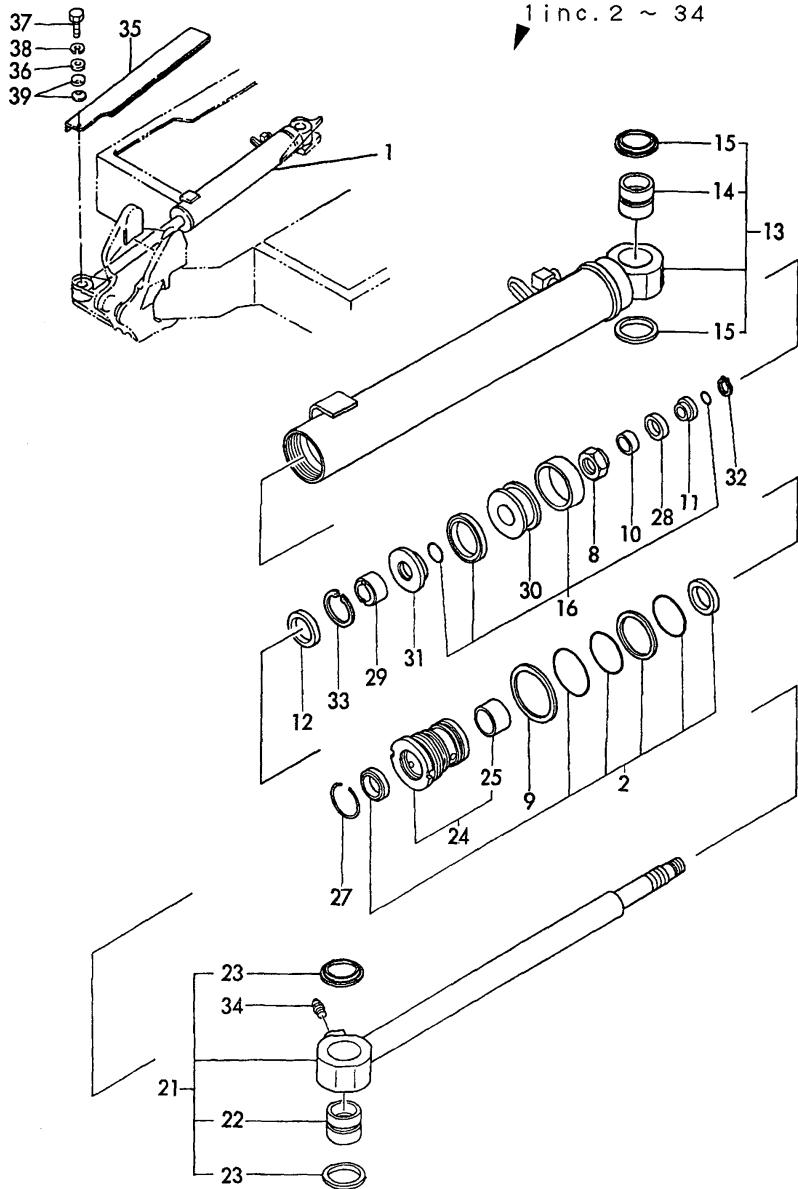
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-72451-4	CYLINDER ASSY	1							
2	2	172141-72461-4	TUBE ASSY, BUCKET	1							
3	3	172141-72561	BUSH (35-45-30)	1							
4	3	172171-81280	SEAL, DUST 35X45X4	2							
5	2	172141-72511	ROD, BUCKET	1							
6	3	172141-72561	BUSH (35-45-30)	1							
7	3	172171-81280	SEAL, DUST 35X45X4	2							
8	2	172141-72540	HEAD 6035, CYLINDER	1							
9	3	933111-01600	BUSH 35 30, ROD	1							
11	2	172171-72120	PISTON	1							
12	2	172149-99380	CYLINDER KIT	1							
13	3	172141-71900	SEAL SET, HEAD	1							
18	3	933125-59600	WASHER 60 B, LOCK	1							
19	3	172141-73090	RING, SPRING	1							
20	3	172137-72452	SEAL SET, PISTON 60A	1							
23	2	24761-040000	NIPPLE, GREASE B	1							
24	2	172171-72130	NUT, M24	1							

Fig.28. SWING CYLINDER

Fig.28 SWING CYLINDER

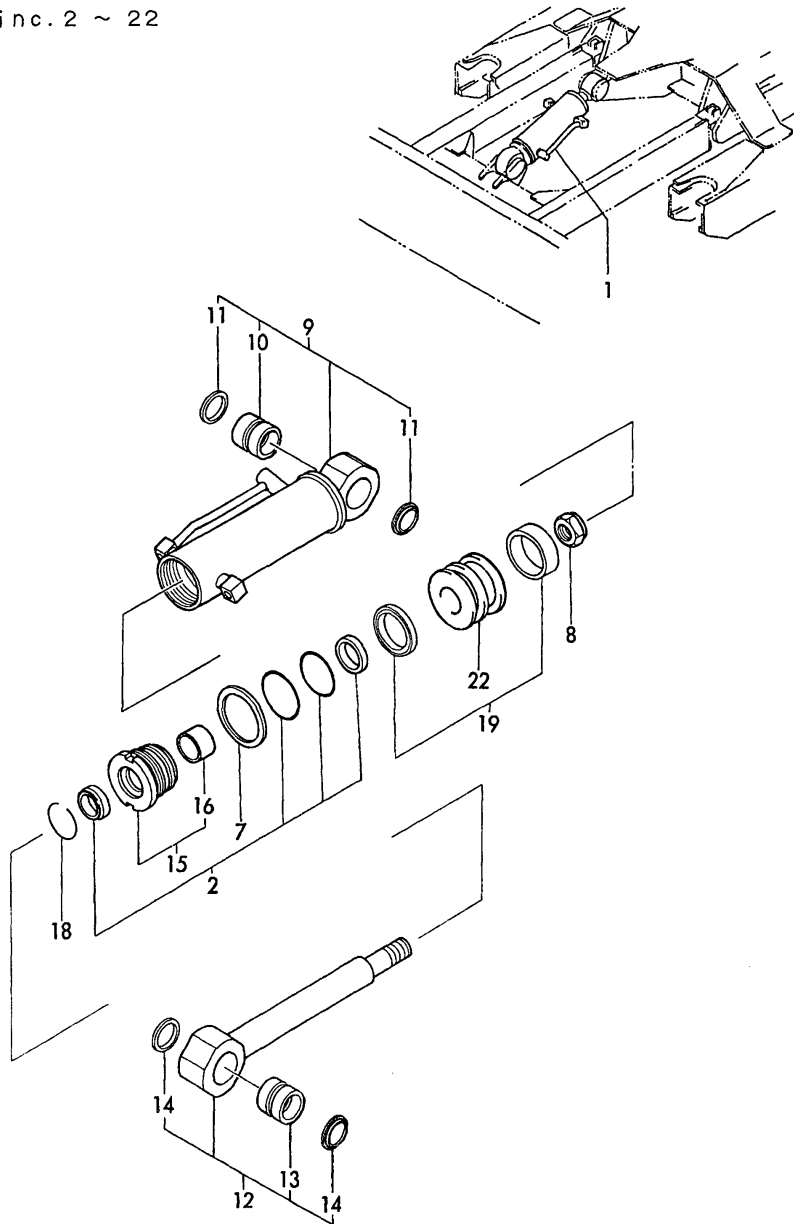


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172171-72200	CYLINDER ASSY, SWING	1							
2	2	172141-71880	SEAL SET, HEAD	1							
8	2	172141-72250	NUT	1							
9	2	172141-72190	WASHER 75	1							
10	2	172137-72710	COLLAR, 40B	1							
11	2	172137-72720	COLLAR, 40A	1							
12	2	172137-72730	RING 44B, CUSHION	1							
13	2	172171-72210	TUBE ASSY, SWING	1							
14	3	172168-72240	BUSH 38X50X40	1							
15	3	172168-81270	SEAL, DUST	2							
16	2	172141-71921	SEAL SET, PISTON	1							
21	2	172171-72350	ROD ASSY, SWING	1							
22	3	172168-72240	BUSH 38X50X40	1							
23	3	172168-81270	SEAL, DUST	2							
24	2	172141-72140	HEAD 75 40	1							
25	3	933135-14600	BUSH 40 30, ROD	1							
27	2	933111-26600	RING 55, SPRING	1							
28	2	172137-72700	RING 40A, CUSHION	1							
29	2	172141-72930	PLUGER 44, CUSHION	1							
30	2	172141-73051	PISTON 75 27 A	1							
31	2	172141-73061	PISTON 75 27 B	1							
32	2	172142-72810	CIRCLIP	1							
33	2	22252-000561	RING, 56	1							
34	2	24761-020000	NIPPLE, GREASE PT1/8	1							
35	1	172171-72260-4	COVER ASSY, SWING	1							
36	1	933147-03400	WASHER, BRAKE ARM	1							
37	1	26116-100162	BOLT, M10X 16 PLATED	1							
38	1	22217-100000	WASHER, SPRING 10	1							
39	1	933168-14170	SPRING	2							

Fig.29. BLADE CYLINDER

Fig. **29** BLADE CYLINDER

1 inc. 2 ~ 22

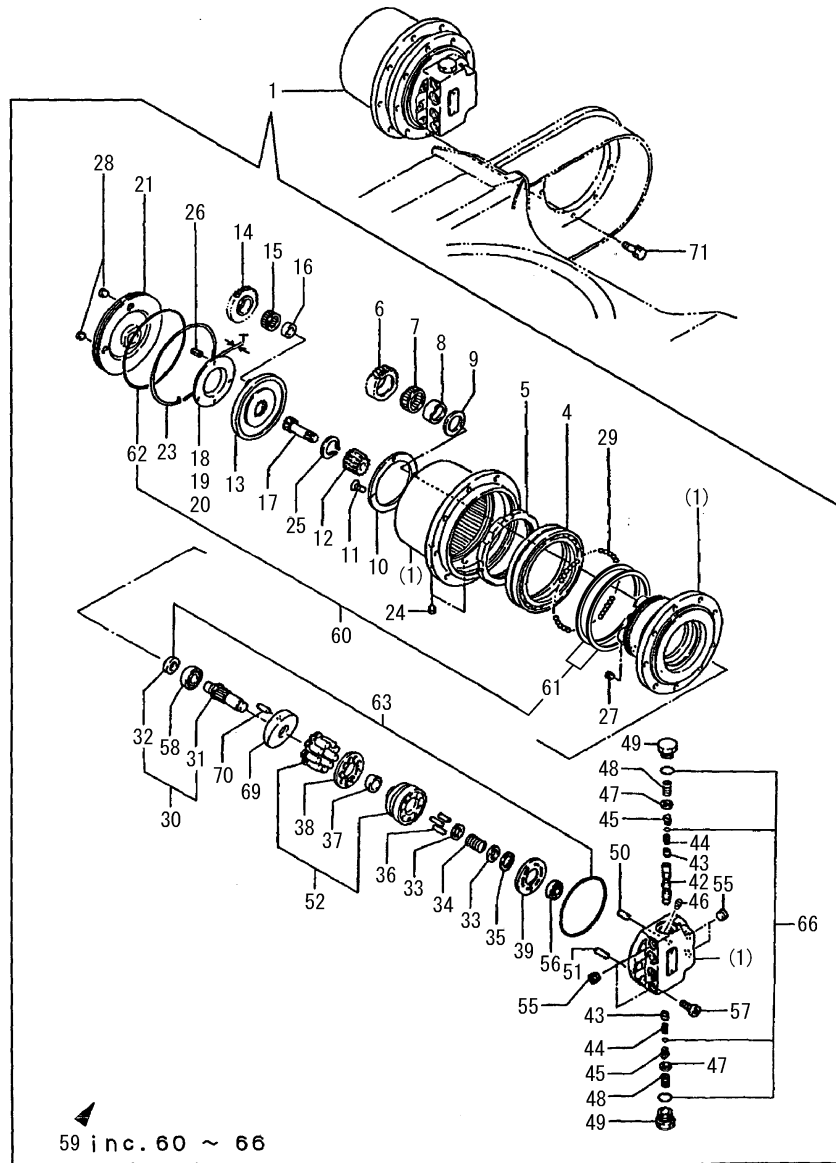


(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-72601	CYLINDER, BLADE	1							
2	2	172141-71890	SEAL SET, HEAD	1							
7	2	172141-72190	WASHER 75	1							
8	2	172141-72250	NUT	1							
9	2	172141-72611	TUBE ASSY, BLADE	1							
10	3	172168-72240	BUSH 38X50X40	1							
11	3	172168-81270	SEAL, DUST	2							
12	2	172141-72671	ROD, BLADE	1							
13	3	172168-72240	BUSH 38X50X40	1							
14	3	172168-81270	SEAL, DUST	2							
15	2	172141-72690	HEAD 75 40 W/BUSH	1							
16	3	933135-14600	BUSH 40 30, ROD	1							
18	2	933111-26600	RING 55, SPRING	1							
19	2	172148-72930	SEAL SET, PISTON	1							
22	2	172175-72470	PISTON 75	1							

Fig.30. TRAVEL MOTOR

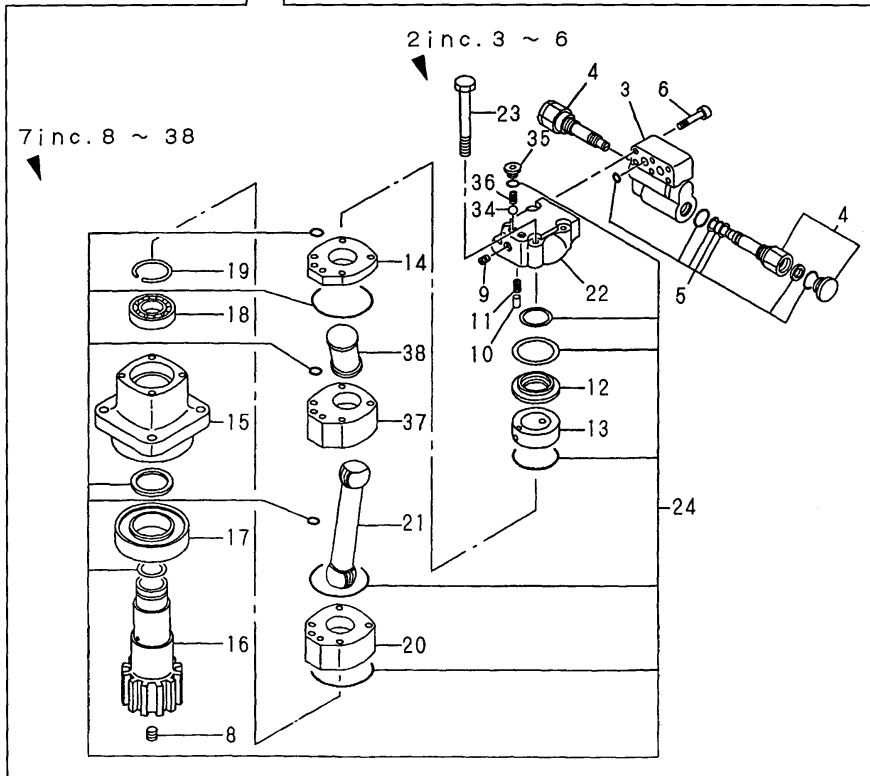
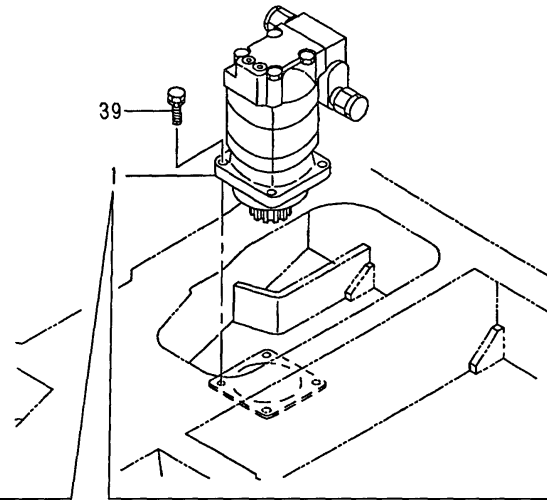


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172434-73350	MOTOR ASSY, TRAVEL	2							
4	3	172141-70030	BEARING, ANGULAR	2							
5	3	172141-70040	NUT, RING	2							
6	3	172141-70060	GEAR, PLANETARY	8							
7	3	172141-70070	GAUGE, W/ROLLER	8							
8	3	172141-70080	COLLAR	8							
9	3	172141-70090	WASHER, THRUST	8							
10	3	172141-70100	PLATE, THRUST	2							
11	3	172141-70110	SCREW	8							
12	3	172141-70120	GEAR, SUN	2							
13	3	172141-70130	HOLDER	2							
14	3	172141-70140	GEAR, PLANETARY	6							
15	3	172141-70150	GAUGE, W/ROLLER	6							
16	3	172141-70160	RACE, INNER	6							
17	3	172141-70170	GEAR, DRIVE	2							
18	3	172141-70180	PLATE(T1.8), THRUST	2							1
19	3	172141-70190	PLATE(T2.3), THRUST	2							1
20	3	172141-70200	PLATE(T2.8), THRUST	2							1
21	3	172141-70210	COVER	2							
23	3	172141-70230	WIRE	2							
24	3	172122-73430	PLUG	4							
25	3	22242-000352	CIRCLIP 35	2							
26	3	22351-050016	PIN, SPRING 5.0X16	6							
27	3	23871-020000	PLUG, R02	4							
28	3	23871-030000	PLUG, R03	4							
29	3	24190-050001	BALL, STEEL 5/32	262							
30	2	172142-73591	SHAFT ASSY	2							
31	3	172171-70360	SHAFT	2							
32	3	172638-73540	SEAL, OIL	2							
33	2	172141-70290	HOLDER, SPRING	4							
34	2	172141-70300	SPRING	2							
35	2	172141-70310	RING, SNAP	2							
36	2	172141-70320	PIN	6							
37	2	172141-70330	HOLDER, RETAINER	2							
38	2	172141-70340	PLATE, RETAINER	2							
39	2	172141-70360	PLATE, VALVE	2							
42	2	172171-70320	PLUNGER	2							
43	2	172141-70410	VALVE, CHECK	4							
44	2	172171-70330	SPRING	4							
45	2	172141-70430	PLUG	4							
46	2	172171-70340	ORIFICE	4							
47	2	172141-70450	SEAT, SPRING	4							
48	2	172141-70460	SPRING	4							
49	2	172141-70470	CAP	4							
50	2	172141-70480	PIN	2							
51	2	172141-70490	PIN	4							
52	2	172141-70540	CYLINDER BLOCK S/A	2							
55	2	23871-020000	PLUG, R02	8							
56	2	24101-060024	BEARING, BALL 6002	2							
57	2	26450-080202	BOLT, M8X 20	12							
58	2	24101-060040	BEARING, BALL 6004C3	2							

Remarks
 (1)SELECTIVE PART.
 (REFER TO ILLUSTRATION)

Fig.31. TURNING MOTOR

Fig. **31** TURNING MOTOR



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

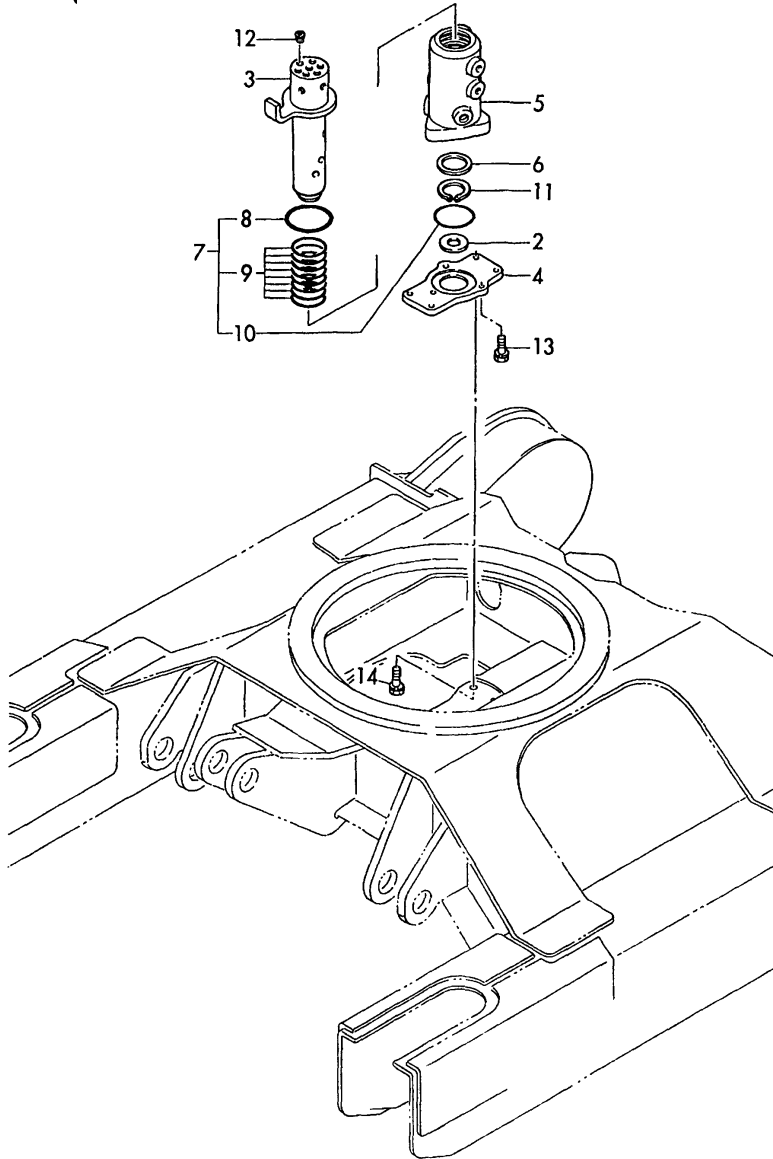
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172434-73310	MOTOR ASSY, SWING	1							
2	2	172434-73320	VALVE CMP.	1							
3	3	172168-73340	VALVE BODY	1							
4	3	172434-73360	CARTRIDGE ASSY	2							
5	3	172434-73330	SEAL SET	1							
6	3	172434-73340	BOLT	6							
7	2	172171-73401	MOTOR ASSY, SWING	1							
8	3	172137-70490	PLUG	1							
9	3	172137-70490	PLUG	1							
10	3	172137-70570	PIN	2							
11	3	172137-70580	SPRING	2							
12	3	172137-70590	PLATE	1							
13	3	172137-70600	VALVE	1							
14	3	172148-73350	PLATE, VALVE	1							
15	3	172171-73410	HOUSING	1							
16	3	172171-73420	GEAR, PINION	1							
17	3	172171-73430	BALL BEARING	1							
18	3	172171-73440	BALL BEARING	1							
19	3	172171-73460	RETAINING RING	1							
20	3	172171-73481	PLATE, WEAR	1							
21	3	172171-73491	DRIVE	1							
22	3	172171-73501	HOUSING, VALVE	1							
23	3	172171-73511	BOLT	4							
24	3	172171-73521	SEAL SET	1							
34	3	172168-73580	BALL	2							
35	3	172168-73590	PLUG	2							
36	3	172168-73600	SPRING	2							
37	3	172141-77250	GEROLLER	1							
38	3	172141-77260	DRIVE, VALVE	1							
39	1	26013-120402	BOLT, M12X 40	4							

Fig.32. SWIVEL JOINT

Fig. **32** SWIVEL JOINT

1 inc. 2 ~ 13



(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-73800	JOINT ASSY, SWIVEL	1							
2	2	194630-31910	LINER 22.5X40X2	1							
3	2	172141-73810	SHAFT ASSY, SWIVEL	1							
4	2	172131-73830	FLANGE, SWIVEL	1							
5	2	172141-73830	HUB, SWIVEL	1							
6	2	172137-73860	SPACER, SWIVEL	1							
7	2	172141-73890	SEAL SET, SWIVEL	1							
8	3	24311-000750	O-RING, 1AP75.0	1							
9	3	172142-73800	O-RING	8							
10	3	24321-000700	O-RING, 1AG70.0	1							
11	2	22242-000451	RING, 45	1							
12	2	23871-020000	PLUG, R02	6							
13	2	26013-100252	BOLT, M10X 25	3							
14	1	26013-100302	BOLT, M10X 30	4							

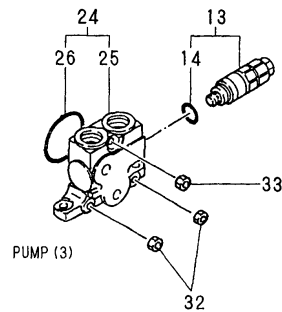
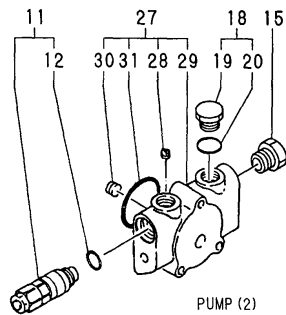
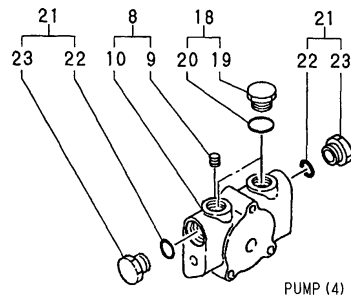
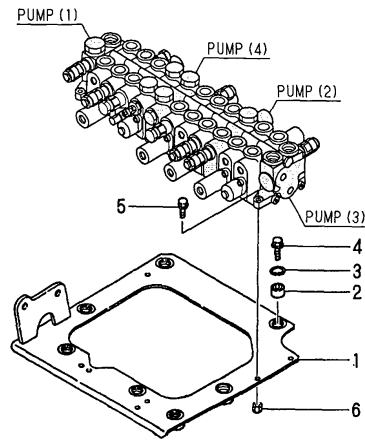
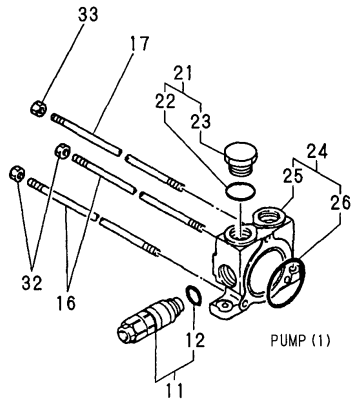
Fig.33. CONTROL VALVE(P PORT)

Fig.33 CONTROL VALVE (P PORT)

CONTROL VALVE ASSY
(172171-74101)

Fig. 33 REF. No. 7

- inc. Fig. 33 REF. No. 8 ~ 33
- Fig. 34 REF. No. 1 ~ 22
- Fig. 35 REF. No. 1 ~ 39
- Fig. 36 REF. No. 1 ~ 22
- Fig. 37 REF. No. 1 ~ 15



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-45400	PLATE ASSY, LINK	1							
2	1	172165-45490	CUSHION	5							
3	1	22252-000280	RING, 28	5							
4	1	26106-100352	BOLT, M10X 35 PLATED	5							
5	1	26013-100302	BOLT, M10X 30	3							
6	1	26716-100002	NUT, M10	1							
7	1	172171-74101	VALVE,CONTROL	1							1
8	2	172168-72620	SECTION ASSY, SPACER	1							
9	3	172122-73430	PLUG	1							
10	3	172142-74900	SPACER	1							
11	2	172171-72630	VALVE 175/25,RELIEF	2							
12	3	172116-74150	O-RING	2							
13	2	172171-72640	VALVE 160/24,RELIEF	1							
14	3	172116-74150	O-RING	1							
15	2	172168-72740	PLUG ASSY	1							
16	2	172151-74110	ROD, TIE	2							
17	2	172151-74120	ROD, TIE	1							
18	2	172175-74270	PLUG ASSY	3							
19	3	172112-06480	PLUG	3							
20	3	172112-06490	O-RING	3							
21	2	172175-74350	PLUG ASSY	3							
22	3	172116-74150	O-RING	3							
23	3	172116-74320	PLUG	3							
24	2	172122-74520	SECTION ASSY, INLET	2							
25	3	172823-74270	HOUSING, INLET	2							
26	3	933171-80590	O-RING	2							
27	2	172146-74680	SECTION ASSY, SPACER	1							
28	3	172122-73430	PLUG	1							
29	3	172146-74750	SPACER	1							
30	3	23871-030000	PLUG, R03	1							
31	3	933171-80590	O-RING	1							
32	2	26716-080002	NUT, M8	4							
33	2	26716-100002	NUT, M10	2							

Remarks

(1)MEKER:KAYABA TYPE:21090-31930

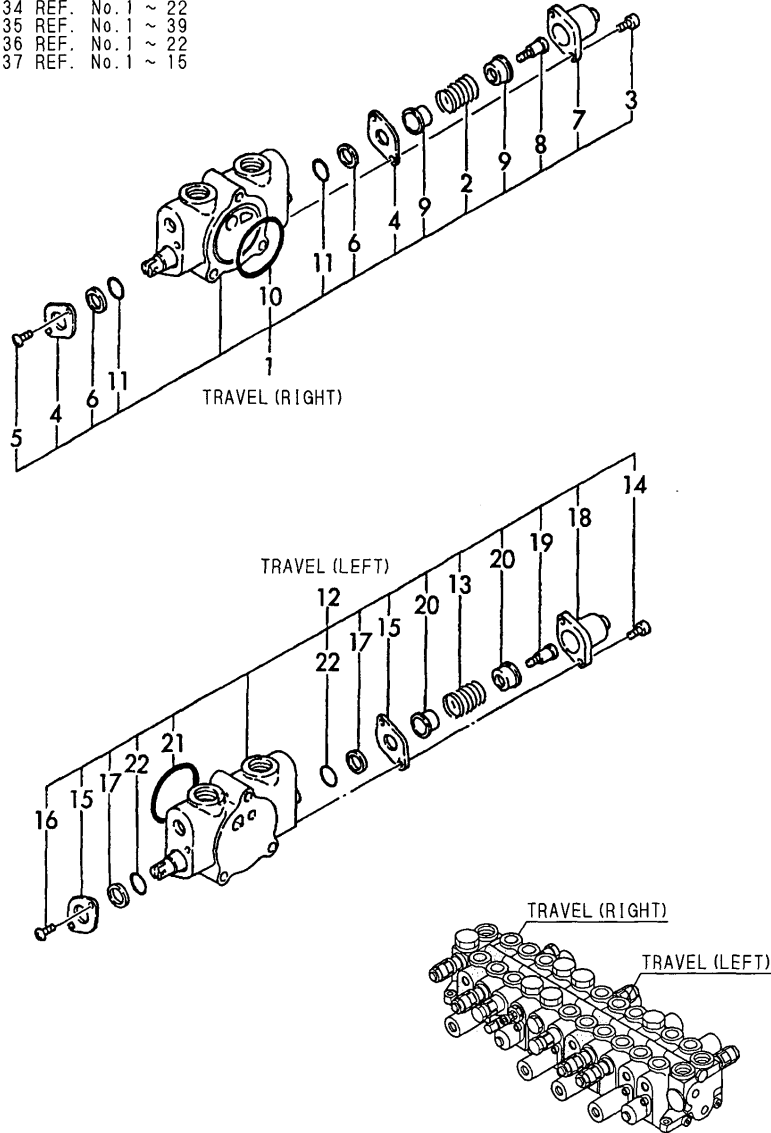
Fig.34. CONTROL VALVE(TRAVEL)

Fig. **34** CONTROL VALVE (TRAVEL)

CONTROL VALVE ASSY
(172171-74101)

Fig. 33 REF. No.7

- inc. Fig. 33 REF. No.8 ~ 33
- Fig. 34 REF. No.1 ~ 22
- Fig. 35 REF. No.1 ~ 39
- Fig. 36 REF. No.1 ~ 22
- Fig. 37 REF. No.1 ~ 15



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

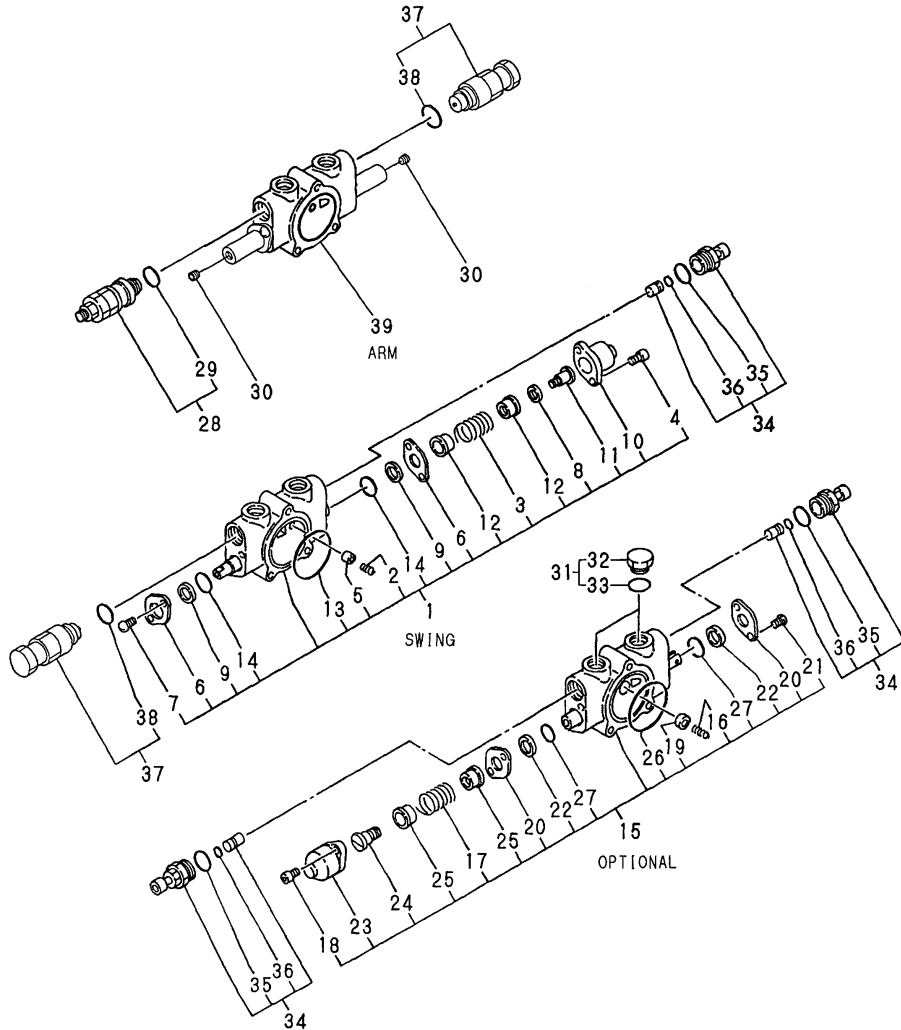
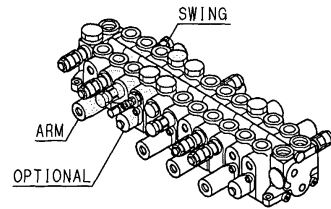
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172168-72580	SECTION ASSY, SPOOL	1							
2	3	172122-74050	SPRING	1							
3	3	172151-74060	BOLT, SOCKET HEAD	2							
4	3	172116-74190	PLATE, SEAL	2							
5	3	172116-74220	SCREW	2							
6	3	933166-80520	WIPER	2							
7	3	933166-80530	CAP	1							
8	3	933166-80550	SCREW, CAP	1							
9	3	933171-80510	SEAT, SPRING	2							
10	3	933171-80590	O-RING	1							
11	3	933171-80610	O-RING	2							
12	2	172171-72610	SECTION ASSY, SPOOL	1							
13	3	172122-74050	SPRING	1							
14	3	172151-74060	BOLT, SOCKET HEAD	2							
15	3	172116-74190	PLATE, SEAL	2							
16	3	172116-74220	SCREW	2							
17	3	933166-80520	WIPER	2							
18	3	933166-80530	CAP	1							
19	3	933166-80550	SCREW, CAP	1							
20	3	933171-80510	SEAT, SPRING	2							
21	3	933171-80590	O-RING	1							
22	3	933171-80610	O-RING	2							

Fig.35. CONTROL VALVE(ARM & SWING)

Fig.35 CONTROL VALVE (ARM & SWING)

CONTROL VALVE ASSY
(172171-74101)
Fig.33 REF. No.7
inc. Fig.33 REF. No.8 ~ 33
Fig.34 REF. No.1 ~ 22
Fig.35 REF. No.1 ~ 39
Fig.36 REF. No.1 ~ 22
Fig.37 REF. No.1 ~ 15



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

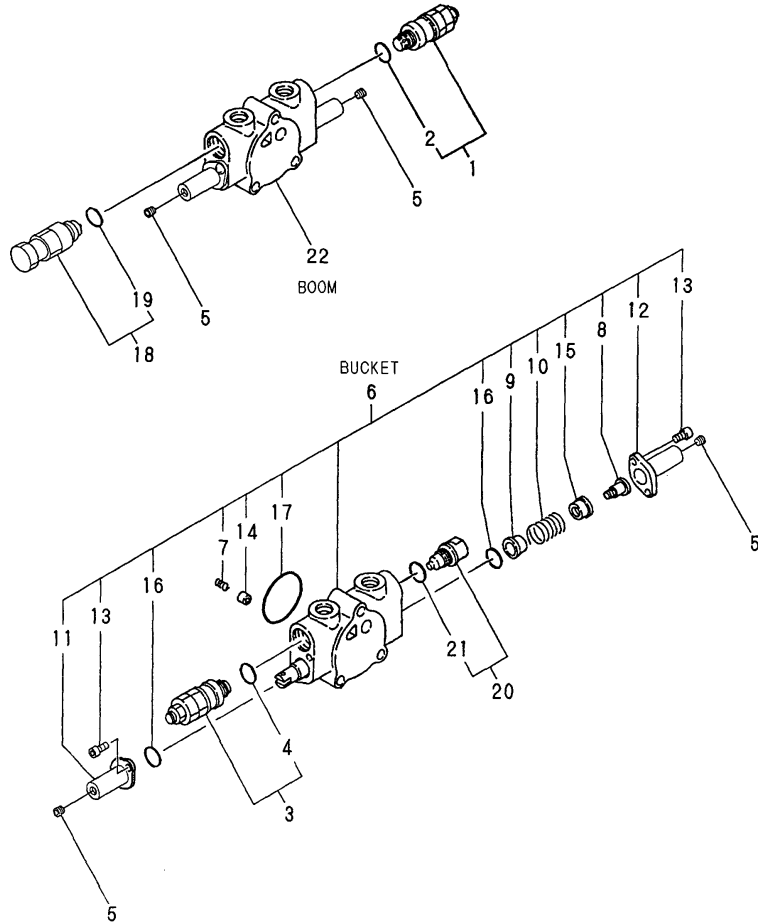
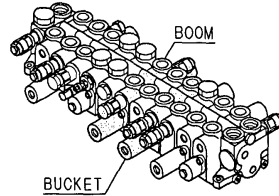
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172171-72590	SECTION ASSY, SPOOL	1							
2	3	172168-72750	SPRING, VALVE	1							
3	3	172122-74050	SPRING	1							
4	3	172151-74060	BOLT, SOCKET HEAD	2							
5	3	172122-74130	POPPET	1							
6	3	172116-74190	PLATE, SEAL	2							
7	3	172116-74220	SCREW	2							
8	3	172146-74740	WASHER	1							
9	3	933166-80520	WIPER	2							
10	3	933166-80530	CAP	2							
11	3	933166-80550	SCREW, CAP	1							
12	3	933171-80510	SEAT, SPRING	2							
13	3	933171-80590	O-RING	1							
14	3	933171-80610	O-RING	2							
15	2	172168-72610	SECTION ASSY, SPOOL	1							
16	3	172168-72750	SPRING, VALVE	1							
17	3	172168-72760	SPRING, SPOOL	1							
18	3	172151-74060	BOLT, SOCKET HEAD	2							
19	3	172122-74130	POPPET	1							
20	3	172116-74190	PLATE, SEAL	2							
21	3	172116-74220	SCREW	2							
22	3	933166-80520	WIPER	2							
23	3	933166-80530	CAP	1							
24	3	933166-80550	SCREW, CAP	1							
25	3	933171-80510	SEAT, SPRING	2							
26	3	933171-80590	O-RING	1							
27	3	933171-80610	O-RING	2							
28	2	172171-72660	VALVE 210/25,RELIEF	1							
29	3	172116-74150	O-RING	1							
30	2	172171-72740	PLUG	2							
31	2	172175-74270	PLUG ASSY	2							
32	3	172112-06480	PLUG	2							
33	3	172112-06490	O-RING	2							
34	2	172146-74720	VALVE ASSY, SHUT-OFF	3							
35	3	172116-74150	O-RING	3							
36	3	24311-240100	O-RING, 1AP10A	3							
37	2	172146-74730	VALVE ASSY	2							
38	3	172116-74150	O-RING	2							
39	2	172171-72730	SECTION ASSY, SPOOL	1							

Fig.36. CONTROL VALVE(BOOM & BUCKET)

Fig.36 CONTROL VALVE(BOOM & BUCKET)

CONTROL VALVE ASSY
(172171-74101)
Fig. 33 REF. No. 7
inc. Fig. 33 REF. No. 8 ~ 33
Fig. 34 REF. No. 1 22
Fig. 35 REF. No. 1 39
Fig. 36 REF. No. 1 22
Fig. 37 REF. No. 1 15



(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172171-72650	VALVE 210/25,RELIEF	1							
2	3	172116-74150	O-RING	1							
3	2	172168-72730	VALVE 260/33,RELIEF	1							
4	3	172116-74150	O-RING	1							
5	2	172171-72740	PLUG	4							
6	2	172175-74210	SECTION ASSY, SPOOL	1							
7	3	172168-72750	SPRING, VALVE	1							
8	3	172168-72850	END, SPOOL	1							
9	3	172168-72860	SEAT, SPRING	1							
10	3	172168-72880	SPRING	1							
11	3	172168-72890	CAP	1							
12	3	172168-72900	CAP	1							
13	3	172151-74060	BOLT, SOCKET HEAD	4							
14	3	172122-74130	POPPET	1							
15	3	172175-74220	SEAT, SPRING	1							
16	3	172151-74320	O-RING	2							
17	3	933171-80590	O-RING	1							
18	2	172146-74730	VALVE ASSY	1							
19	3	172116-74150	O-RING	1							
20	2	172310-79180	VALVE	1							
21	3	172116-74150	O-RING	1							
22	2	172171-72720	SECTION ASSY, SPOOL	1							

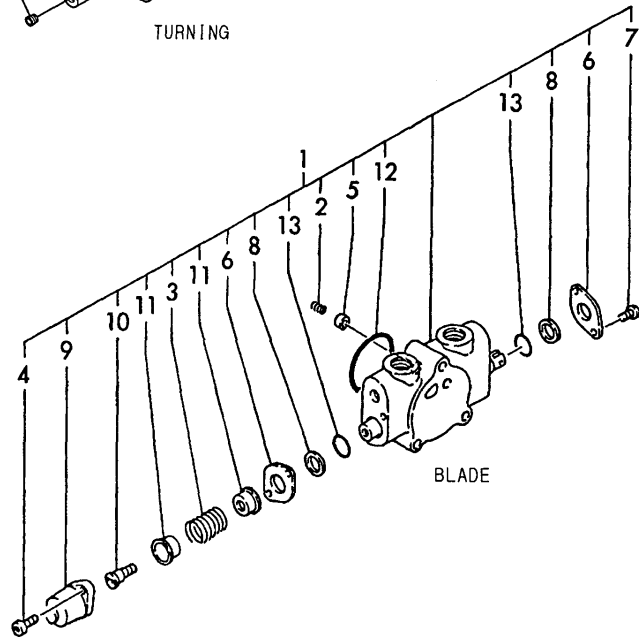
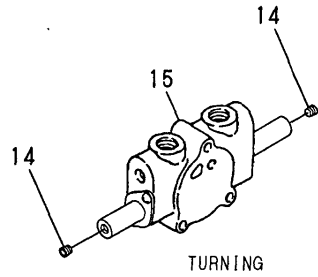
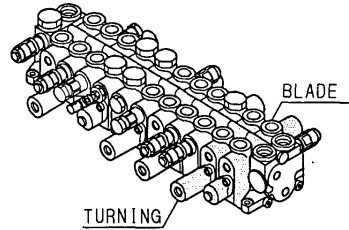
Fig.37. CONTROL VALVE(TURNING & BLADE)

Fig.37 CONTROL VALVE (TURNING & BLADE)

CONTROL VALVE ASSY
(172171-74101)

Fig.33 REF. No.7

- inc. Fig.33 REF. No.8 ~ 33
- Fig.34 REF. No.1 ~ 22
- Fig.35 REF. No.1 ~ 39
- Fig.36 REF. No.1 ~ 22
- Fig.37 REF. No.1 ~ 15



(A)=B22-2B

(B)=

(C)=

(D)=

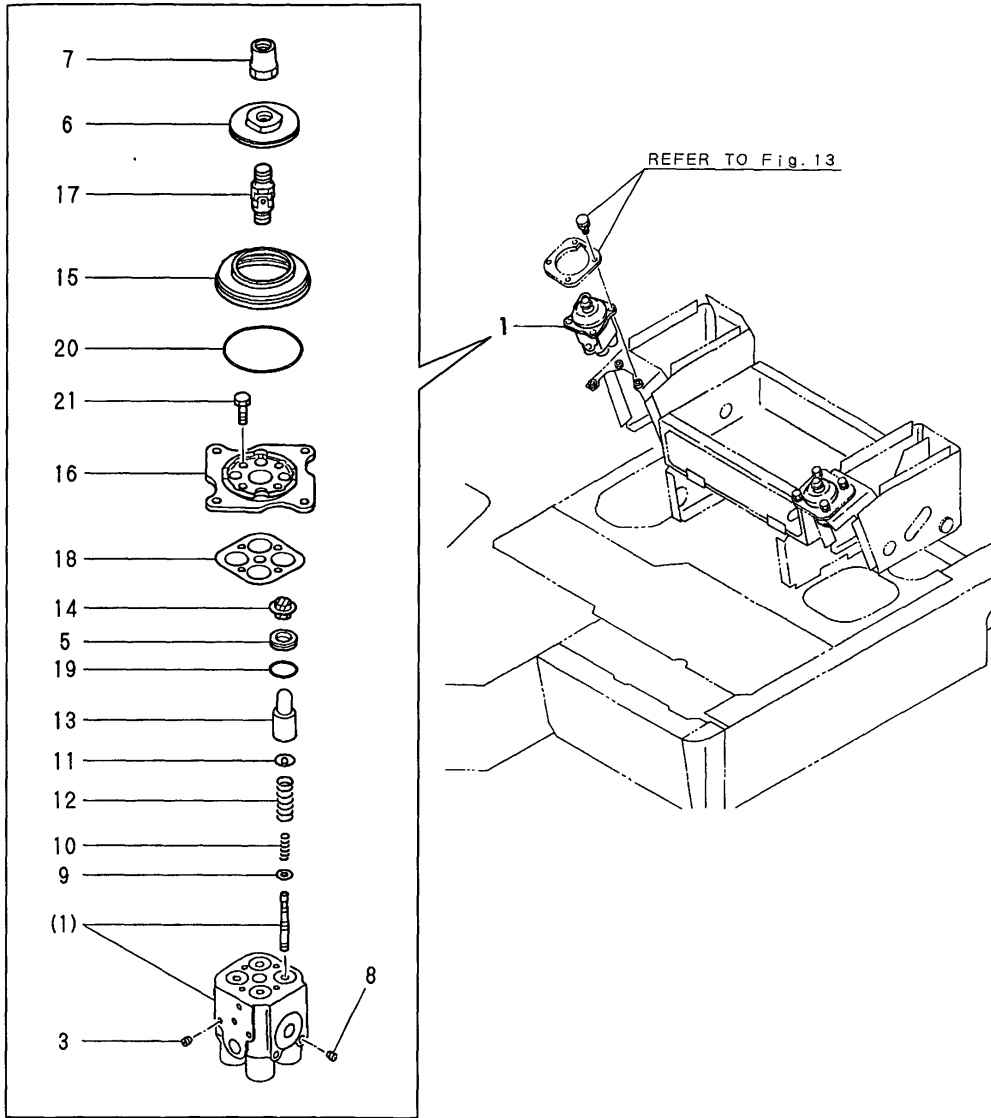
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	172171-72620	SECTION ASSY, SPOOL	1							
2	3	172168-72750	SPRING, VALVE	1							
3	3	172122-74050	SPRING	1							
4	3	172151-74060	BOLT, SOCKET HEAD	2							
5	3	172122-74130	POPPET	1							
6	3	172116-74190	PLATE, SEAL	2							
7	3	172116-74220	SCREW	2							
8	3	933166-80520	WIPER	2							
9	3	933166-80530	CAP	1							
10	3	933166-80550	SCREW, CAP	1							
11	3	933171-80510	SEAT, SPRING	2							
12	3	933171-80590	O-RING	1							
13	3	933171-80610	O-RING	2							
14	2	172171-72740	PLUG	2							
15	2	172171-72710	SECTION ASSY, SPOOL	1							

Fig.38. REMOTE CONTROL VALVE

Fig. **38** REMOTE CONTROL VALVE

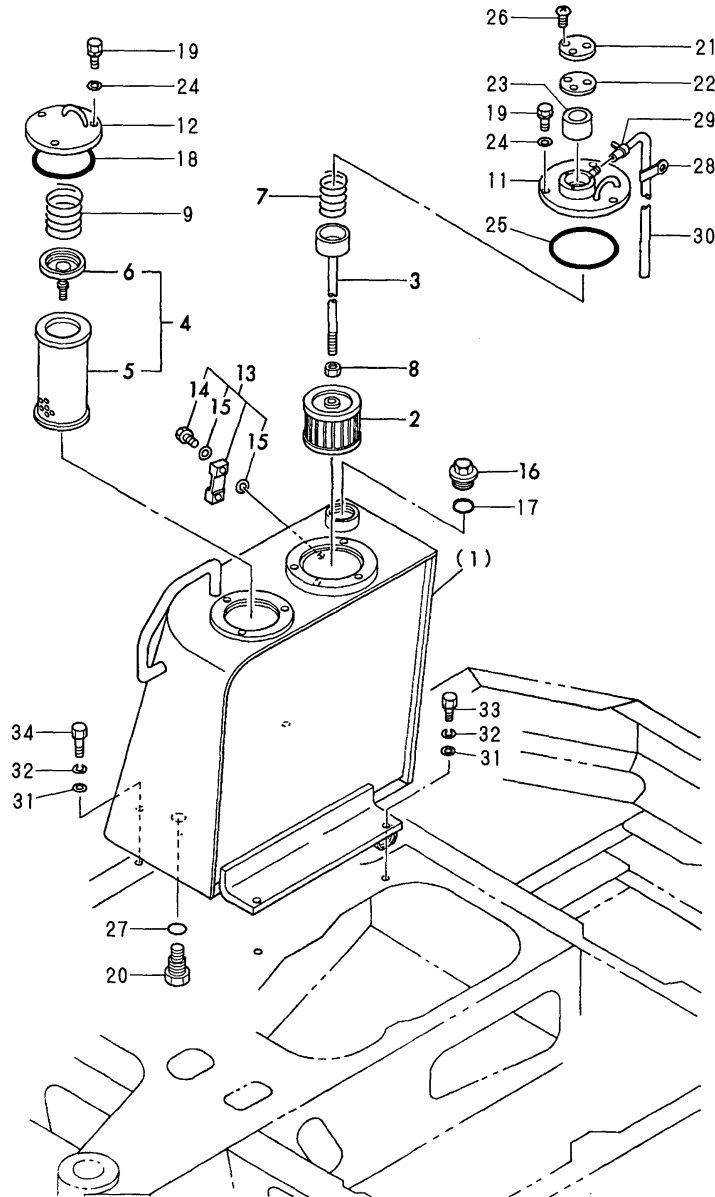


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172151-74611	VALVE ASSY,RMT.CONT.	2							
3	2	172164-74560	PLUG	4							
5	2	172164-74610	COLLAR	8							
6	2	172164-74620	DISK	2							
7	2	172164-74630	NUT	2							
8	2	172164-74650	PLUG	4							
9	2	172151-74860	SHIM(COUNT. SET	8							
10	2	172151-74870	SPRING	8							
11	2	172151-74880	RETAINER	8							
12	2	172151-74890	SP (SYN.	8							
13	2	172151-74900	PISTON	8							
14	2	172151-74910	SEAL	8							
15	2	172151-74930	BOOT	2							
16	2	172151-74940	PLATE	2							
17	2	172151-74950	UNION	2							
18	2	172151-74980	PLATE	2							
19	2	24311-000200	O-RING, 1AP20.0	8							
20	2	24311-000700	O-RING, 1AP70.0	2							
21	2	26116-060202	BOLT, M6X 20 PLATED	8							

Fig.39. HYD.OIL TANK

Fig. **39** HYD.OIL TANK

1 inc. (1) ~ 27



(A)=B22-2B

(B)=

(C)=

(D)=

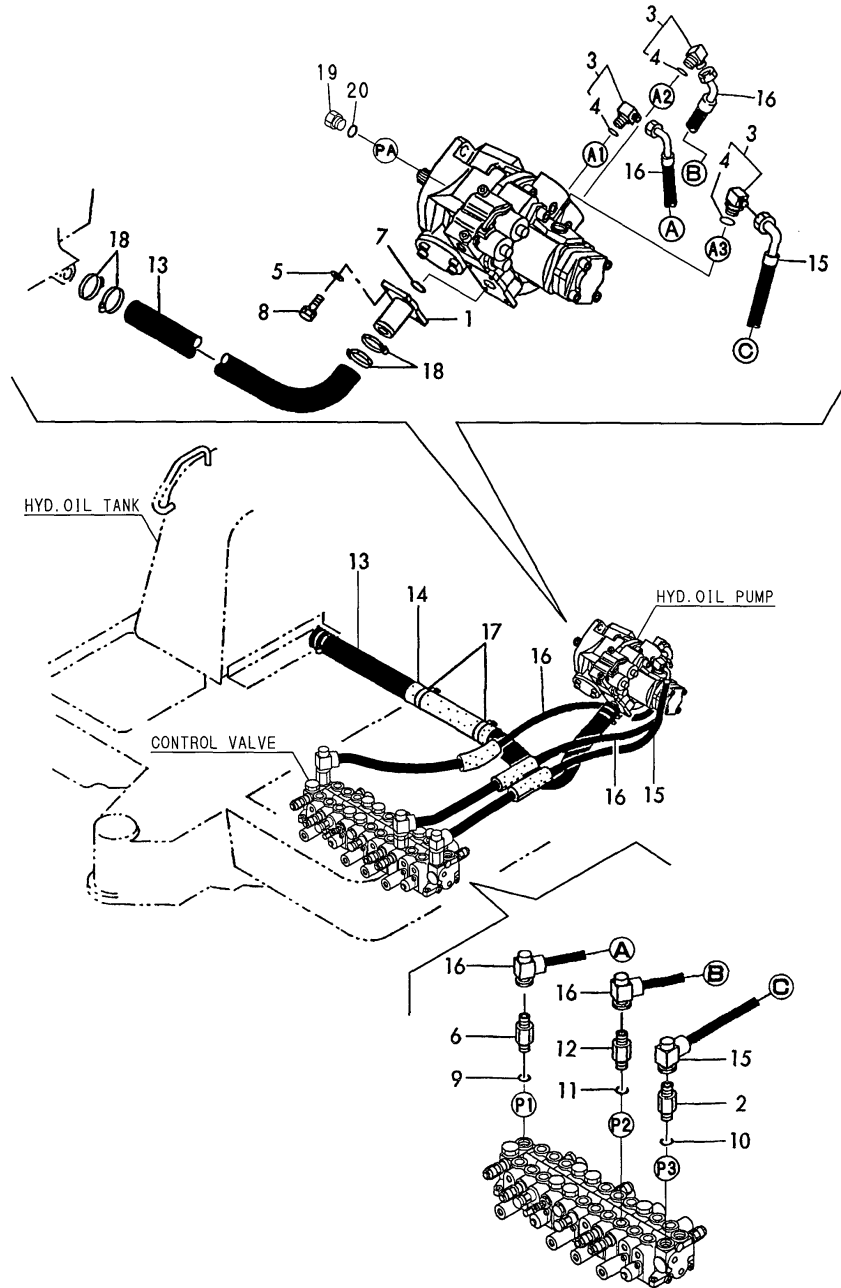
(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	772171-75100-4	TANK ASSY, RESERVOIR	1							
2	2	172137-73700	FILTER, SUCTION	1							
3	2	172124-73700	ROD ASSY, FILTER	1							
4	2	172141-73750	FILTER ASSY, RETURN	1							
5	3	172141-73760	ELEMENT, FILTER	1							
6	3	172141-73770	VALVE ASSY, BYPASS	1							
7	2	172112-75780	SPRING, FILTER	1							
8	2	26716-100002	NUT, M10	1							
9	2	933152-02710	SPRING, CLUTCH	1							
11	2	172171-75210-4	COVER, RESERVOIR	1							
12	2	172141-75430-4	COVER, INTAKE	1							
13	2	172122-75600	GAUGE, OIL LEVEL	1							
14	3	172122-75620	BOLT	2							
15	3	172122-75630	GASKET	4							
16	2	172116-75850-5	PLUG, OIL FEED	1							
17	2	24311-000380	O-RING, 1AP38.0	1							
18	2	24321-001050	O-RING, 1AG105.0	1							
19	2	26013-080202	BOLT, M8X 20	6							
20	2	172187-75500	PLUG 24	1							
21	2	172165-75450-5	PLATE (GREEN:96)	1							
22	2	172165-75460	GASKET	1							
23	2	172165-75481	ELEMENT	1							
24	2	22137-080000	WASHER, 8	6							
25	2	24321-001150	O-RING, 1AG115.0	1							
26	2	26022-050102	SCREW, M5X10	3							
27	2	24341-000300	O-RING, 1AS30.0	1							
28	1	172126-16540	CLAMP	1							
29	1	124766-59050	CLIP, HOSE 12	1							
30	1	172165-75490	HOSE	1							
31	1	22137-140000	WASHER, 14	4							
32	1	22217-140000	WASHER, SPRING 14	4							
33	1	26116-140302	BOLT, M14X 30 PLATED	2							
34	1	26116-140452	BOLT, M14X 45 PLATED	2							

Fig.40. HYD.OIL PIPING(TANK-PUMP-VALVE)

Fig. 40 HYD. OIL PIPING (TANK~PUMP~VALVE)



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172165-76860	FLANGE	1							
2	1	172142-76130	JOINT	1							
3	1	172141-76900	CONNECTOR ASSY	3							
4	2	24315-000180	O-RING, 1BP18.0	3							
5	1	22117-120000	WASHER, 12	4							
6	1	172168-76240	CONNECTOR,UN7/8PF1/2	1							
7	1	24321-000450	O-RING, 1AG45.0	1							
8	1	26013-120302	BOLT, M12X 30	4							
9	1	933152-07400	O-RING	1							
10	1	933152-07400	O-RING	1							
11	1	933152-24120	O-RING	1							
12	1	933166-24140	CONNECTOR	1							
13	1	172171-78101	HOSE	1							
14	1	172173-78180	COVER, HOSE	1							
15	1	172171-78250	HOSE P208EV092S	1							
16	1	172165-78810	HOSE G208CV115S	2							
17	1	172122-79890	CLAMP, HOSE	2							
18	1	23000-060000	CLAMP, 60	4							
19	1	172165-76590	PLUG PF1/4	1							
20	1	24315-000100	O-RING, 1BP10.0	1							

Fig.41. HYD.OIL PIPING(VALVE-MOTOR-BOO

(A)=B22-2B

(B)=

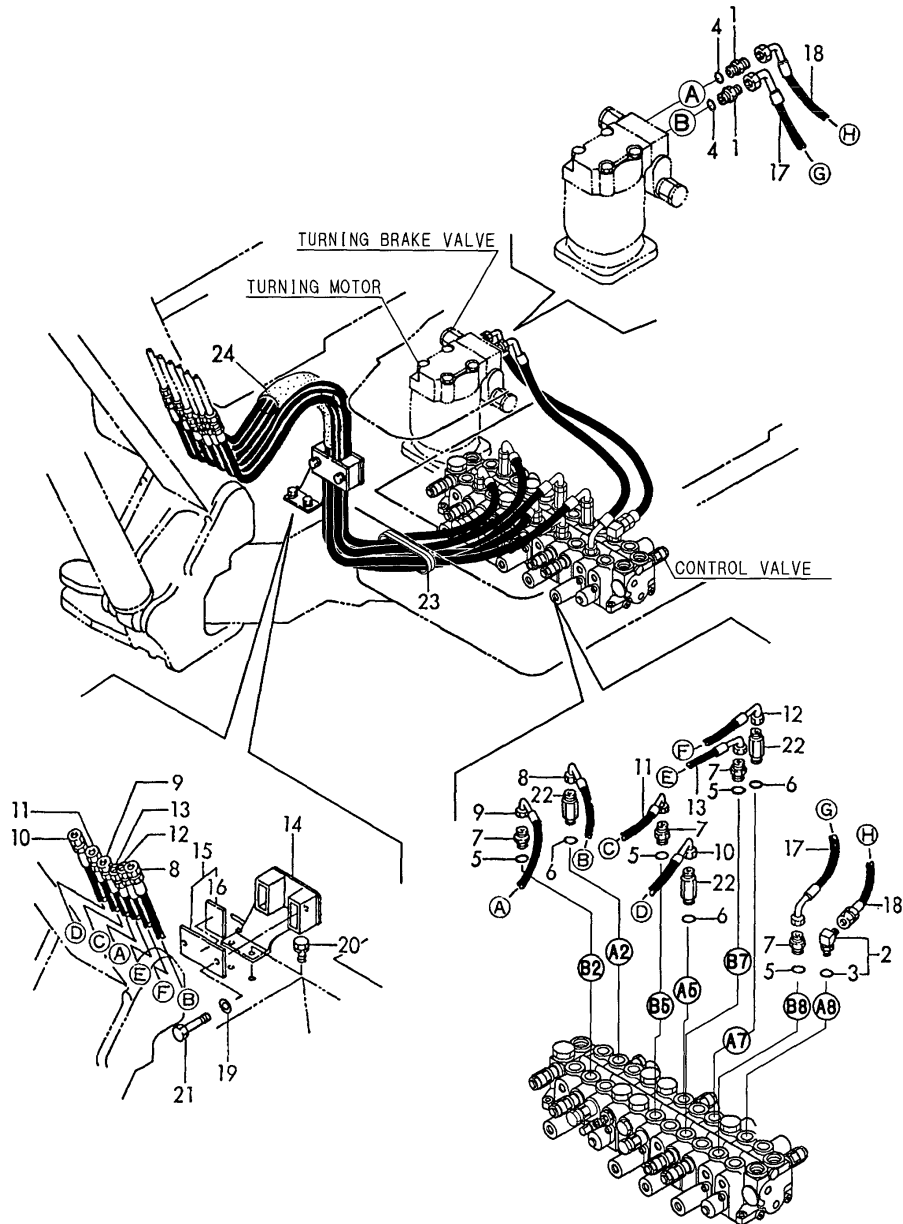
(C)=

(D)=

(E)=

(F)=

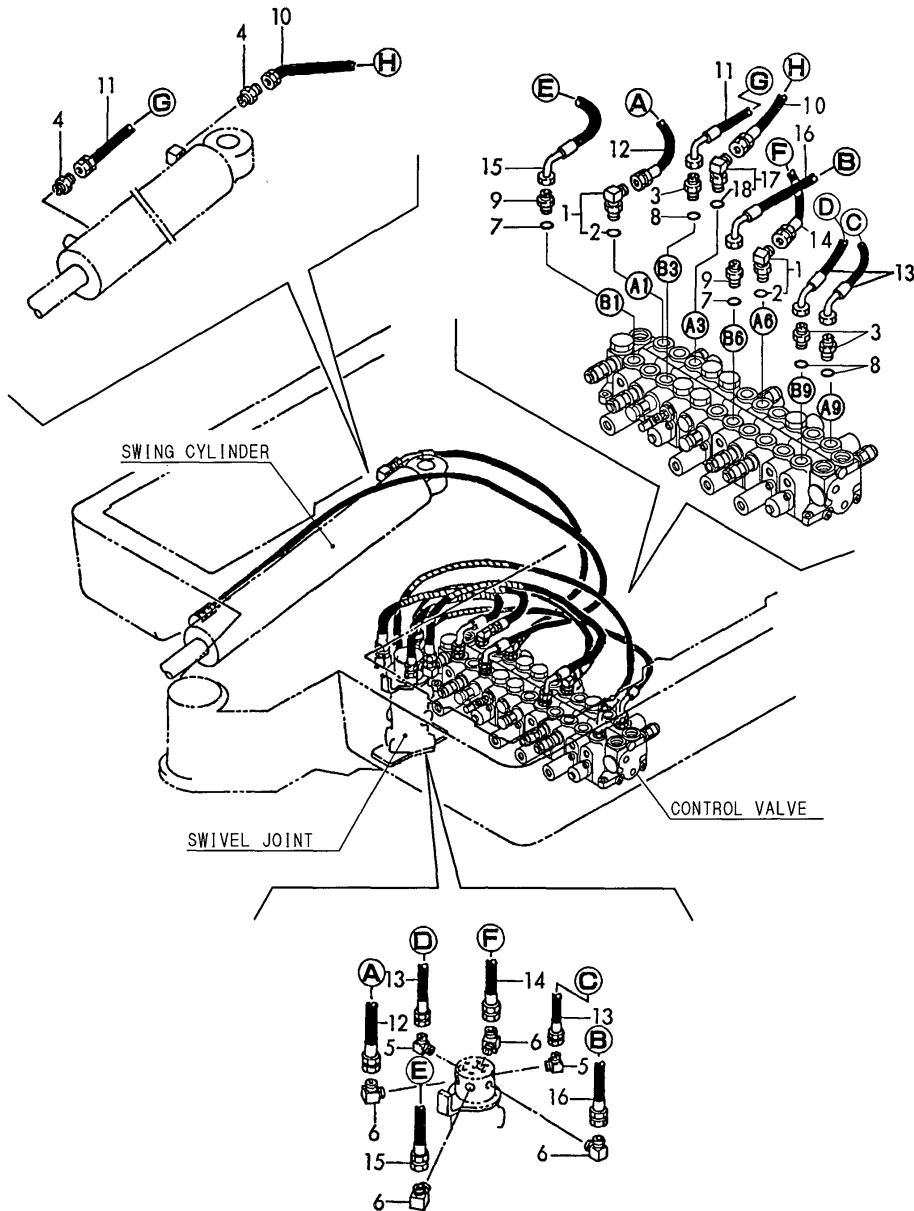
Fig.41 HYD.OIL PIPING (VALVE~MOTOR~BOOM)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75140	ADAPTER	2							
2	1	172168-76130	CONNECTOR,UN3/4PF3/8	1							
3	2	933152-24120	O-RING	1							
4	1	24315-000140	O-RING, 1BP14.0	2							
5	1	933152-24120	O-RING	4							
6	1	933152-24120	O-RING	3							
7	1	933155-08481	CONNECTOR	4							
8	1	172171-78500	HOSE	1							
9	1	172171-78510	HOSE	1							
10	1	172171-78520	HOSE	1							
11	1	172171-78530	HOSE	1							
12	1	172171-78540	HOSE	1							
13	1	172171-78550	HOSE	1							
14	1	172168-78700-4	SUPPORT ASSY, HOSE	1							
15	1	172168-78740	COVER ASSY	1							
16	2	172168-78760	RUBBER, HOSE SUPPORT	1							
17	1	172434-78150	HOSE	1							
18	1	172434-78170	HOSE	1							
19	1	22217-100000	WASHER, SPRING 10	2							
20	1	26013-100202	BOLT, M10X 20	2							
21	1	26116-100652	BOLT, M10X 65 PLATED	2							
22	1	172142-76160	JOINT, 3/4UN-3/8	3							
23	1	172165-78150	GROMMET, 49X119	1							
24	1	172168-78590	CLAMP, HOSE	1							

Fig.42. HYD.OIL PIPING(VALVE-SWIVEL-SW)

Fig.42 HYD. OIL PIPING (VALVE~SWIVEL~SWING)



(A)=B22-2B

(B)=

(C)=

(D)=

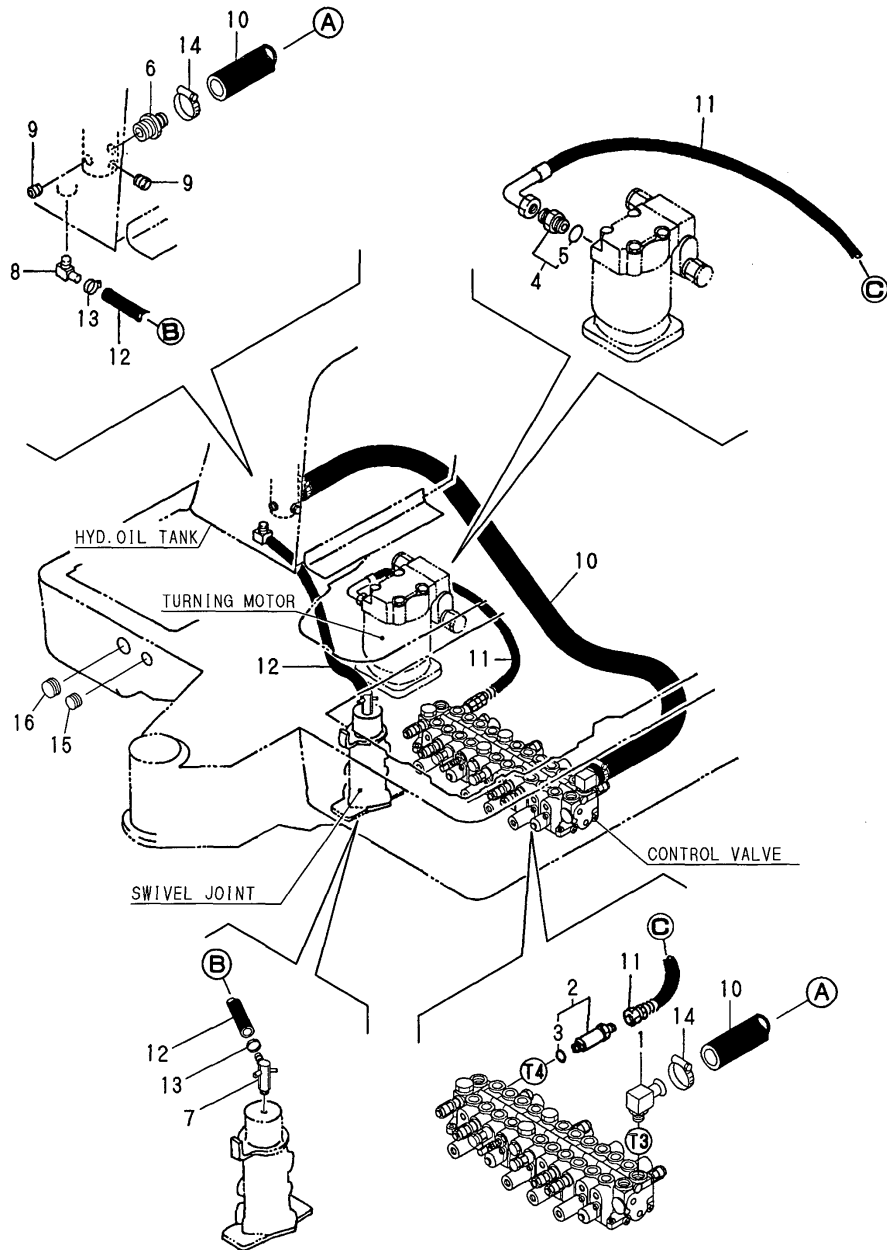
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172168-76130	CONNECTOR,UN3/4PF3/8	2							
2	2	933152-24120	O-RING	2							
3	1	172312-76220	CONNECTOR, 1/4X3/4UN	3							
4	1	23391-020000	JOINT, RGI-1/4	2							
5	1	23393-020000	JOINT, 90RGI-1/4	2							
6	1	23393-030000	JOINT, 90RGI-3/8	4							
7	1	933152-24120	O-RING	2							
8	1	933152-24120	O-RING	3							
9	1	933155-08481	CONNECTOR	2							
10	1	172434-78190	HOSE	1							
11	1	172434-78100	HOSE	1							
12	1	172434-78120	HOSE	1							
13	1	172434-78180	HOSE	2							
14	1	172434-78130	HOSE	1							
15	1	172434-78140	HOSE	1							
16	1	172434-78160	HOSE	1							
17	1	172168-76140	CONNECTOR,UN3/4PF1/4	1							
18	2	933152-24120	O-RING	1							

Fig.43. HYD.OIL PIPING(RETURN)

Fig.43 HYD.OIL PIPING (RETURN)



(A)=B22-2B

(B)=

(C)=

(D)=

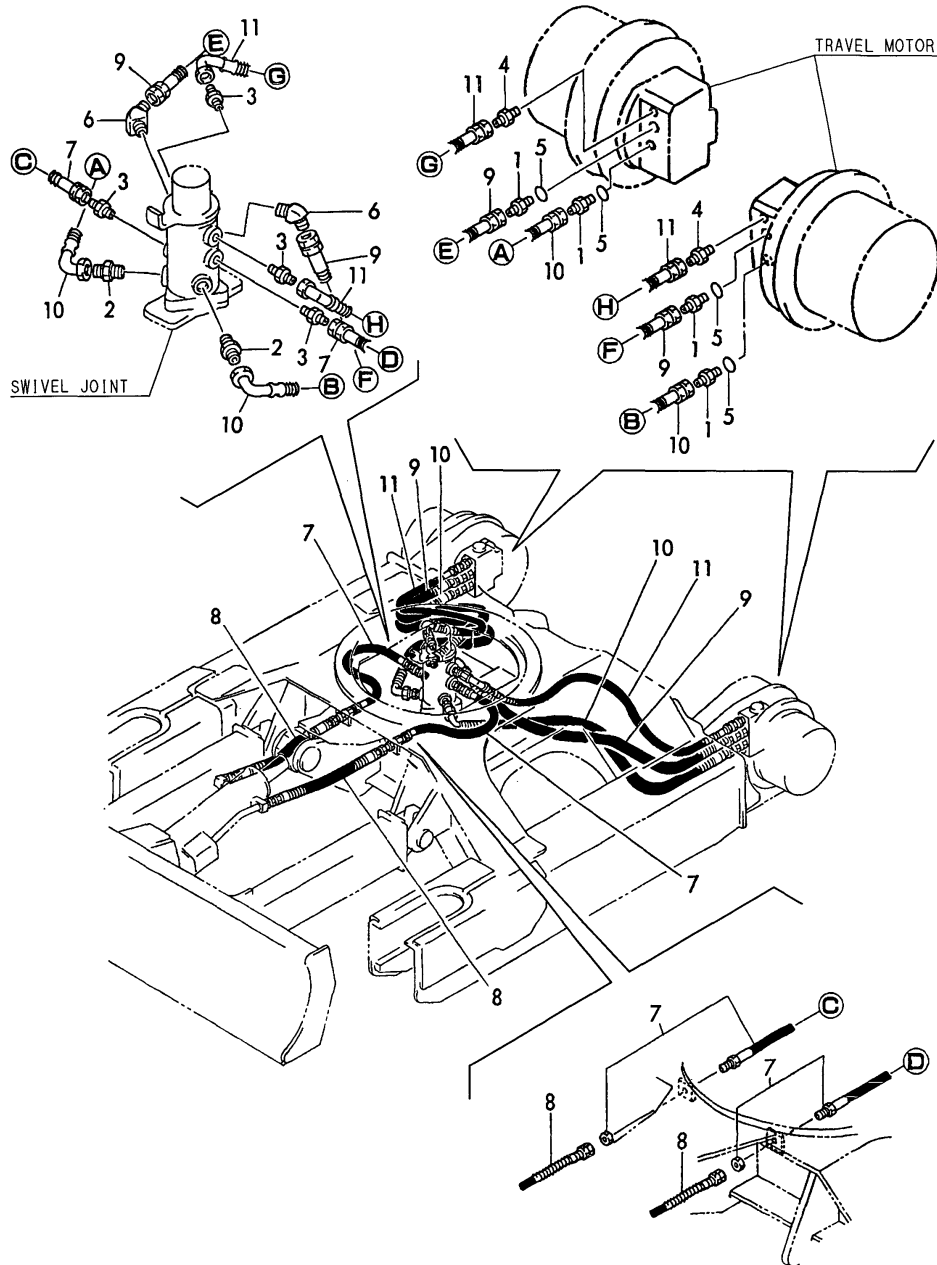
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172164-76110	ELBOW	1							
2	1	172168-76150	CONNECTOR,UN7/8PF1/2	1							
3	2	933152-07400	O-RING	1							
4	1	172168-76160	CONNECTOR,PF1/2PF3/8	1							
5	2	24315-000140	O-RING, 1BP14.0	1							
6	1	172165-76220	NIPPLE	1							
7	1	172168-76380	JOINT ASSY	1							
8	1	172168-76370	ELBOW	1							
9	1	23871-040000	PLUG, R04	2							
10	1	172170-78240	HOSE	1							
11	1	172168-78251	HOSE G608BC078S	1							
12	1	172168-78320	HOSE G802BY060	1							
13	1	23000-014000	CLAMP 14	2							
14	1	23000-035000	CLAMP, 35	2							
15	1	172312-17260	GROMMET	1							
16	1	172142-76290	GROMMET, 28X2.3	1							

Fig.44. HYD.OIL PIPING(TRAVEL)

Fig.44 HYD. OIL PIPING (TRAVEL)



(A)=B22-2B

(B)=

(C)=

(D)=

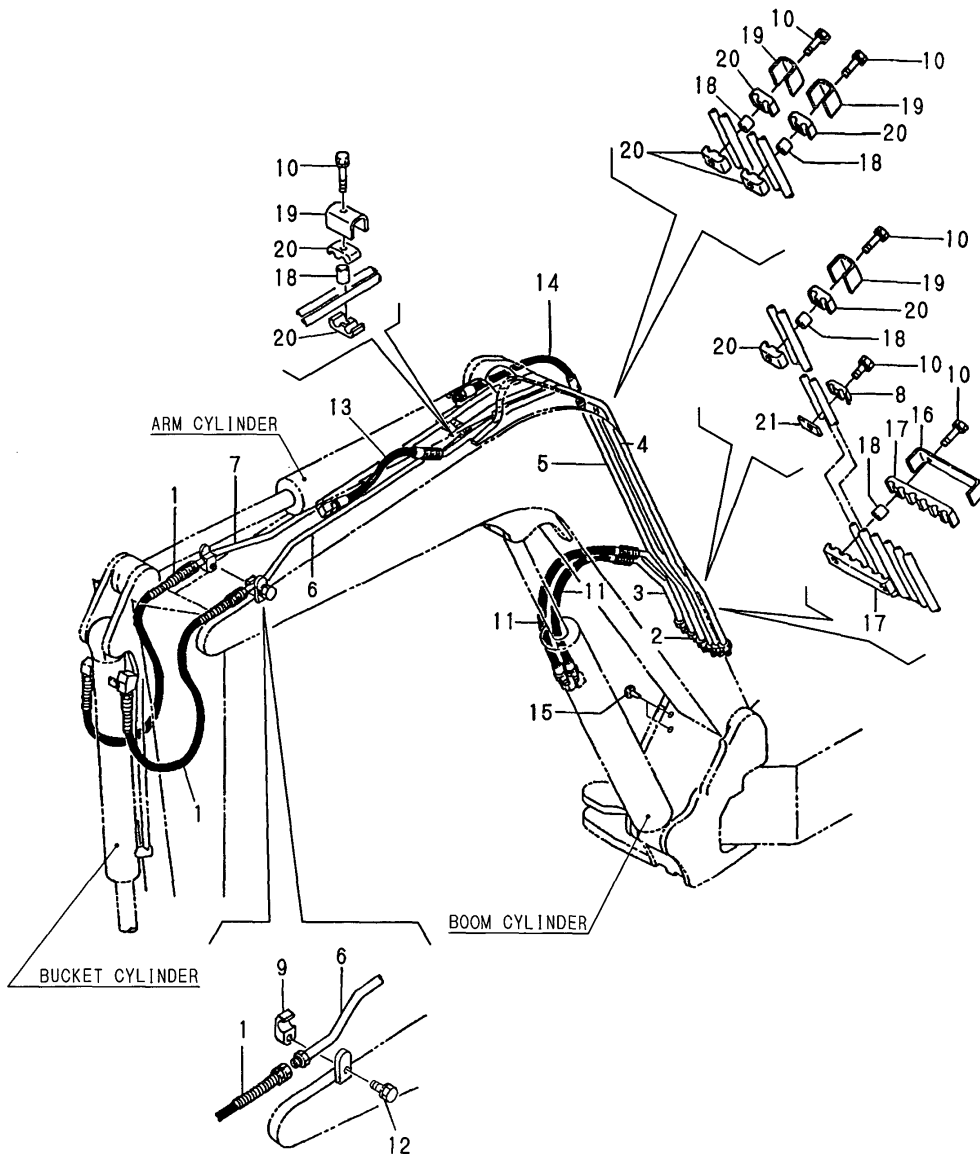
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172730-75140	ADAPTER	4							
2	1	23391-030000	JOINT, RGI-3/8	2							
3	1	23391-020000	JOINT, RGI-1/4	4							
4	1	23391-020000	JOINT, RGI-1/4	2							
5	1	24315-000140	O-RING, 1BP14.0	4							
6	1	23394-030000	JOINT, 45RGI-3/8	2							
7	1	172434-78110	HOSE	2							
8	1	172434-78240	HOSE	2							
9	1	172434-78250	HOSE	2							
10	1	172434-78260	HOSE	2							
11	1	172141-78490	HOSE	2							

Fig.45. HYD.OIL PIPING(BOOM)

Fig. **45** HYD. OIL PIPING (BOOM)



(A)=B22-2B

(B)=

(C)=

(D)=

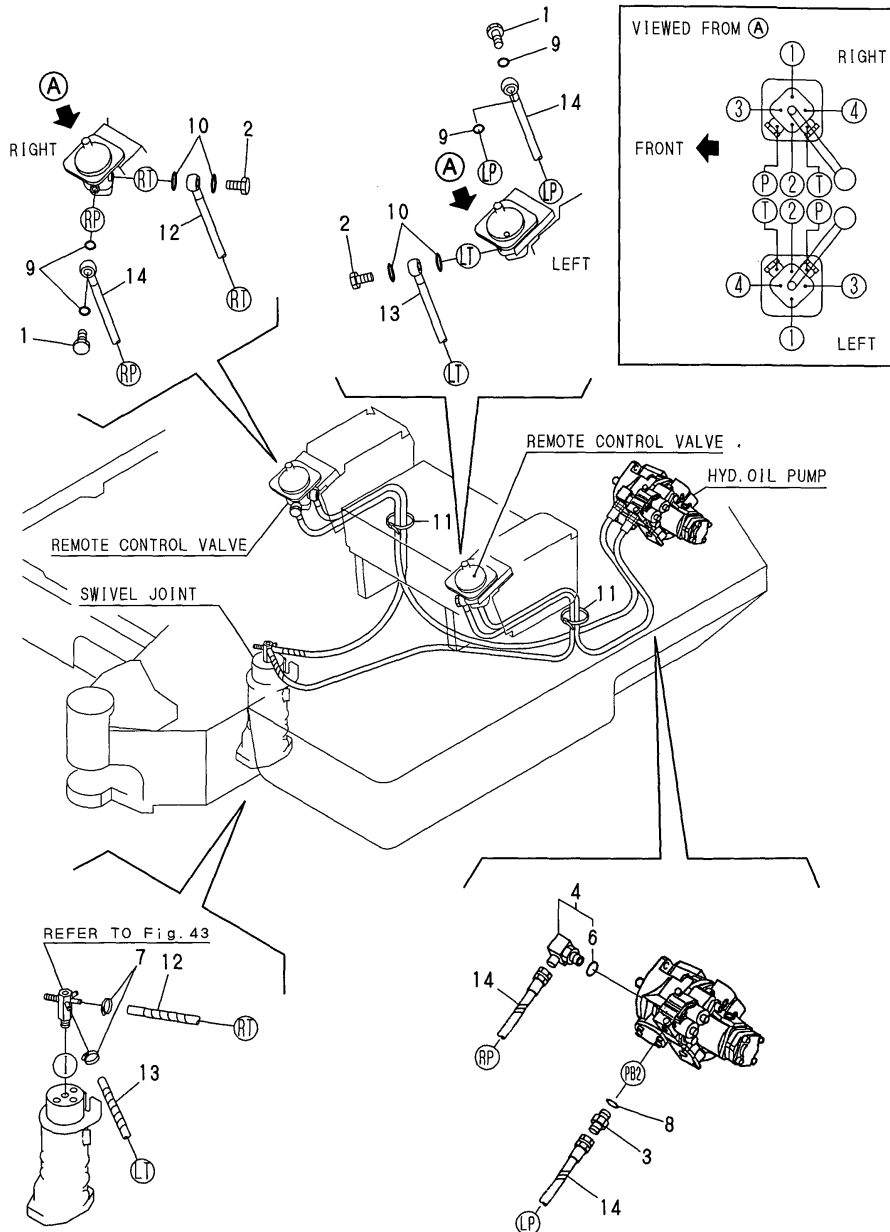
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172171-78770	HOSE G206AB078W	2							
2	1	172142-76500-4	TUBE, BOOM	1							
3	1	172142-76520-4	TUBE, BOOM	1							
4	1	172171-76541-4	TUBE ASSY, ARM	1							
5	1	172171-76560-4	TUBE ASSY, ARM	1							
6	1	172171-76581-4	TUBE ASSY, BUCKET	1							
7	1	172171-76600-4	TUBE ASSY, BUCKET	1							
8	1	172141-76670-4	CLAMP, TUBE	1							
9	1	172183-76230	CLAMP	2							
10	1	26013-100352	BOLT, M10X 35	8							
11	1	172434-78200	HOSE	2							
12	1	26013-120352	BOLT, M12X 35	2							
13	1	172434-78210	HOSE	1							
14	1	172434-78220	HOSE	1							
15	1	172183-81160	CLIP, TREE	2							
16	1	172175-76401	CLAMP, TUBE	1							
17	1	172175-76411	RUBBER	2							
18	1	172175-76420	COLLAR	7							
19	1	172175-76431	CLAMP, TUBE	4							
20	1	172175-76440	RUBBER	8							
21	1	172175-76450-4	PLATE (GREEN)	1							

Fig.46. CONTROL PIPING(PUMP-REMO.-CON.

Fig.46 CONTROL PIPING (PUMP~REMO.-CON. V. ~RETURN)



(A)=B22-2B

(B)=

(C)=

(D)=

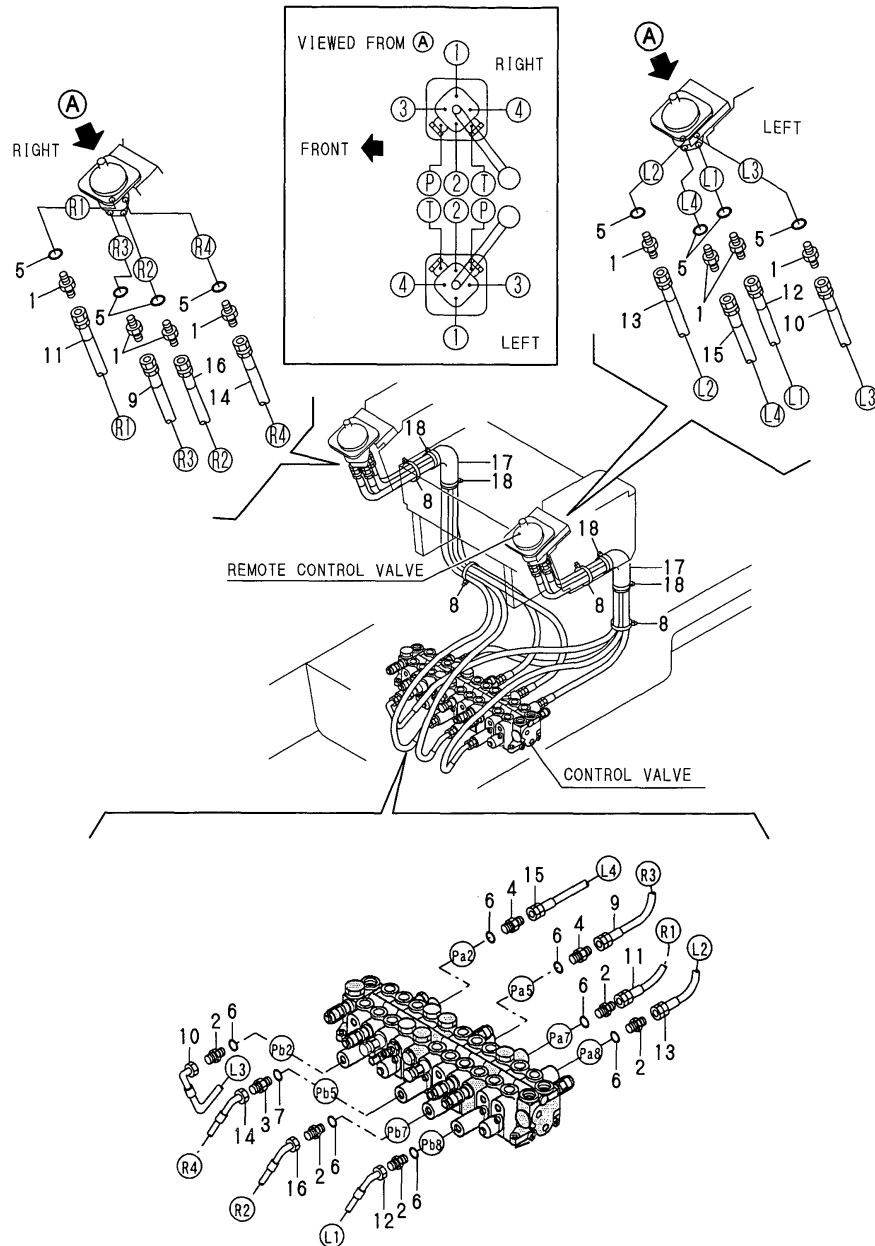
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172151-76030	BOLT, PIPE JOINT	2							
2	1	172151-76040	BOLT, PIPE JOINT	2							
3	1	172123-76120	ADAPTER, PF1/4	1							
4	1	172141-76180	CONNECTOR ASSY	1							
6	2	24315-000110	O-RING, 1BP11.0	1							
7	1	23010-014000	CLAMP, 14	2							
8	1	24315-000110	O-RING, 1BP11.0	1							
9	1	24315-000180	O-RING, 1BP18.0	4							
10	1	24315-000180	O-RING, 1BP18.0	4							
11	1	194202-56460	BAND, 200	2							
12	1	172170-78200	HOSE G604WY150 T	1							
13	1	172164-78530	HOSE G604BY185S T	1							
14	1	172165-78880	HOSE	2							

Fig.47. CONTROL PIPING(REMO.-CON.V.-CO

Fig.47 CONTROL PIPING (REMO.-CON. V.~CONTROL V.)



(A)=B22-2B

(B)=

(C)=

(D)=

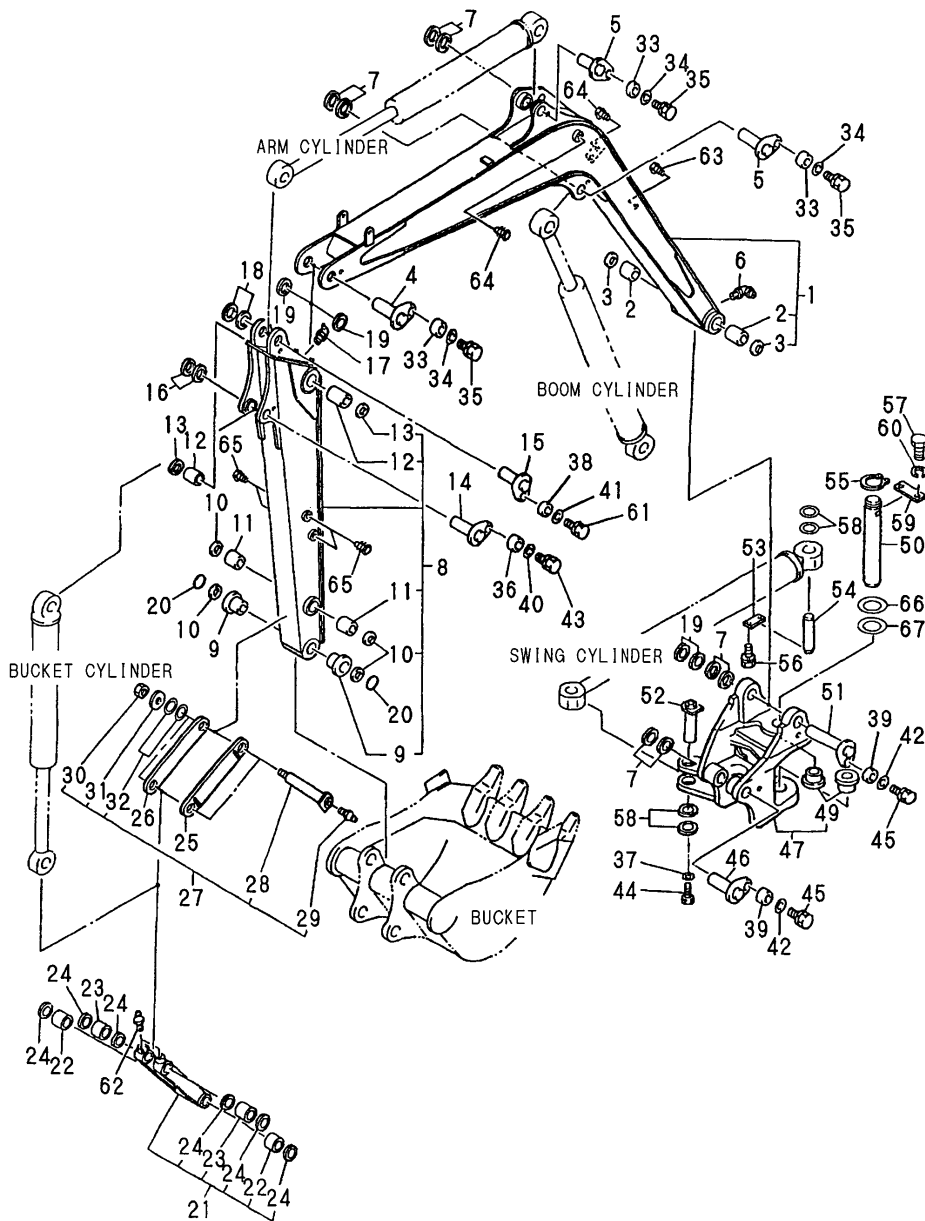
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172123-76120	ADAPTER, PF1/4	8							
2	1	172123-76120	ADAPTER, PF1/4	5							
3	1	172168-76550	JOINT	1							
4	1	172162-76770	JOINT	2							
5	1	24315-000110	O-RING, 1BP11.0	8							
6	1	24315-000110	O-RING, 1BP11.0	7							
7	1	24315-000110	O-RING, 1BP11.0	1							
8	1	194202-56460	BAND, 200	4							
9	1	172165-79220	HOSE	1							
10	1	172165-79290	HOSE	1							
11	1	172165-79300	HOSE	1							
12	1	172165-79310	HOSE	1							
13	1	172165-79340	HOSE	1							
14	1	172165-79350	HOSE	1							
15	1	172165-79360	HOSE	1							
16	1	172165-79370	HOSE	1							
17	1	172165-79810	SPONGE, HOSE	2							
18	1	172122-79930	CLAMP, HOSE	4							

Fig.49. BOOM & ARM

Fig. **49** BOOM & ARM



(A)=B22-2B

(B)=

(C)=

(D)=

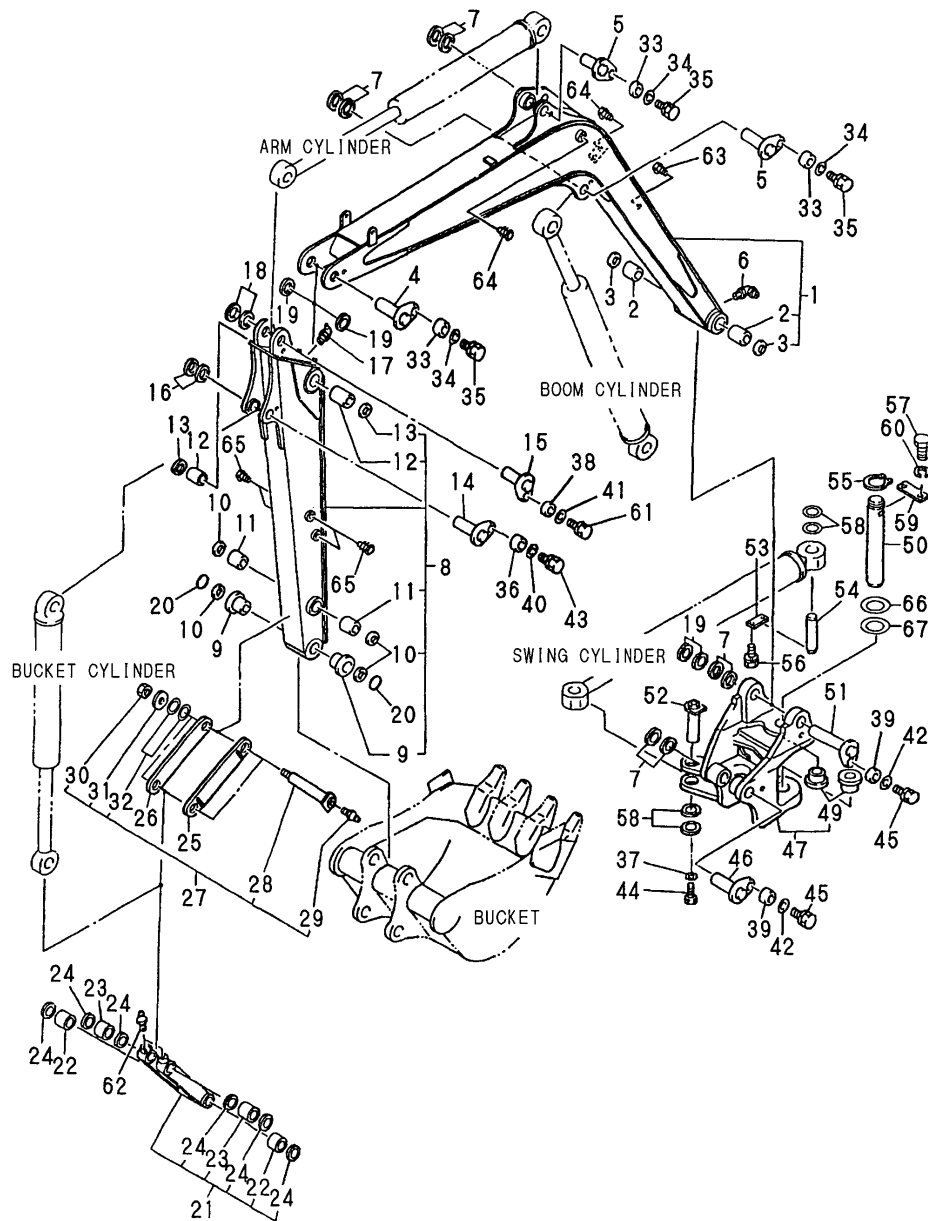
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172171-81103-4	BOOM ASSY	1							
2	2	172116-82400	PIN BUSH 38X55	2							
3	2	172168-81400	SEAL, DUST 38X48X4	2							
4	1	172141-81401-4	PIN 38-164	1							
5	1	172141-81421-4	PIN 38-120	2							
6	1	24761-050000	NIPPLE, GREASE C	1							
7	1	933171-29750	SHIM ASSY	4							
8	1	172141-82104-4	ARM ASSY	1							
9	2	172171-81261	BUSH 35X50	2							
10	2	172171-81280	SEAL, DUST 35X45X4	4							
11	2	172141-82270	BUSH 35 45	2							
12	2	172141-82280	BUSH 38 45, PIN	2							
13	2	172168-81400	SEAL, DUST 38X48X4	2							
14	1	172141-82301-4	PIN 35-92	1							
15	1	172122-82302-4	PIN ASSY.,ARM	1							
16	1	172141-84601	SHIM	1							
17	1	24761-040000	NIPPLE, GREASE B	1							
18	1	933171-29750	SHIM ASSY	1							
19	1	172171-82510	SHIM ASSY	2							
20	1	172171-81270	O-RING, 61X6.0	2							
21	1	172141-84402	BUCKET LINK	1							
22	2	172141-82270	BUSH 35 45	2							
23	2	172141-72561	BUSH (35-45-30	2							
24	2	172171-81280	SEAL, DUST 35X45X4	6							
25	1	172141-84500-4	ARM ASSY, BUCKET	1							
26	1	172141-84510-4	ARM ASSY, BUCKET	1							
27	1	172141-99470-4	PIN KIT,ARM	2							
28	2	172141-84550-4	PIN 35-152	2							
29	2	24761-020000	NIPPLE, GREASE PT1/8	2							
30	2	933110-86600	NUT, NYLON 24X24	2							
31	2	933171-29760	WASHER	2							
32	2	172141-84601	SHIM	2							
33	1	172164-81670	SPACER	3							
34	1	22157-120000	WASHER, 12	3							
35	1	26013-120302	BOLT, M12X 30	3							
36	1	172010-01640	SPACER	1							
37	1	172146-82910	SPACER	1							
38	1	172164-81670	SPACER	1							
39	1	172164-81670	SPACER	1							
40	1	22157-100000	WASHER, 10	1							
41	1	22157-120000	WASHER, 12	1							
42	1	22157-120000	WASHER, 12	2							
43	1	26013-100252	BOLT, M10X 25	1							
44	1	26013-120252	BOLT, M12X 25	1							
45	1	26013-120302	BOLT, M12X 30	2							
46	1	172141-81401-4	PIN 38-164	1							
47	1	172141-83291-4	BRACKET,BOOM (GREEN)	1							
49	2	172141-83330	BUSH 50X45	2							
50	1	172171-82310	PIN 50X292	1							
51	1	172141-83341-4	PIN 38-226	1							
52	1	172141-83372-4	PIN 38-94	1							

Fig.49. BOOM & ARM

Fig. **49** BOOM & ARM



(A)=B22-2B

(B)=

(C)=

(D)=

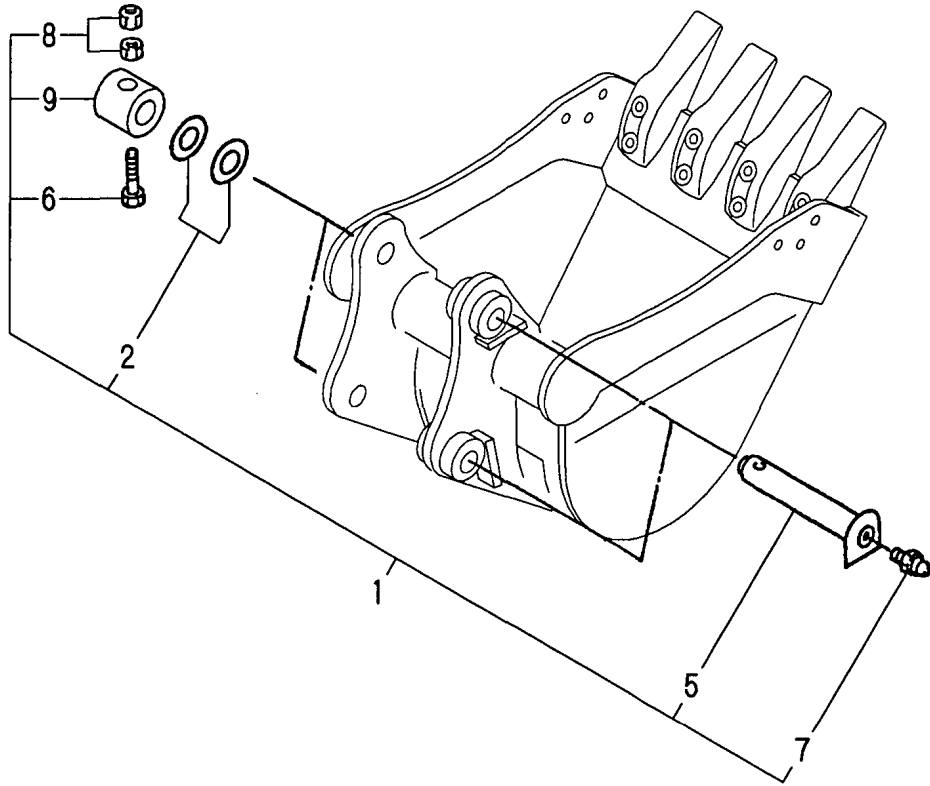
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
53	1	172141-83390	PLATE, PIN LOCK	1							
54	1	172141-94260	PIN 38-130	1							
55	1	22242-000500	RING, 50	1							
56	1	26013-100252	BOLT, M10X 25	2							
57	1	26116-160402	BOLT, M16X 40 PLATED	2							
58	1	933171-29750	SHIM ASSY	2							
59	1	172141-83400	PLATE	1							
60	1	22217-160000	WASHER, SPRING 16	2							
61	1	26013-120302	BOLT, M12X 30	1							
62	1	24761-020000	NIPPLE, GREASE PT1/8	2							
63	1	172183-81160	CLIP, TREE	1							
64	1	172183-81170	CLIP, TREE	2							
65	1	172183-81160	CLIP, TREE	4							
66	1	172173-81700	SHIM, 50X90X0.8	1							
67	1	172173-81710	SHIM, 50X90X0.5	1							

Fig.50. BUCKET PIN

Fig. **50** BUCKET PIN



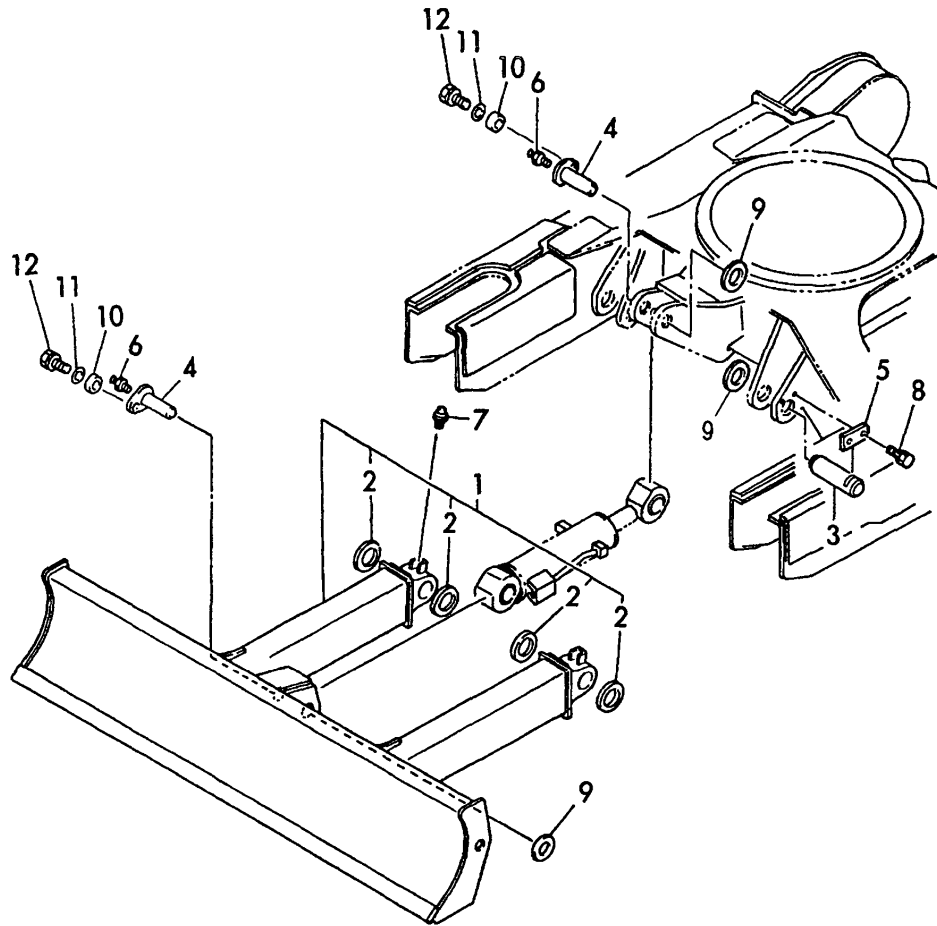
(A)=B22-2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172173-99460	PIN KIT, BUCKET	2							
2	2	172141-84601	SHIM	2							
5	2	172141-86252-1	PIN 35-195	2							
6	2	26116-100652	BOLT, M10X 65 PLATED	2							
7	2	24761-020000	NIPPLE, GREASE PT1/8	2							
8	2	26716-100002	NUT, M10	4							
9	2	172171-81500	COLLAR, 35X48.6X22	2							

Fig.51. BLADE(850)

Fig. **51** BLADE (850)



(A)=B22-2B

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	172141-94103	BLADE 850	1							
2	2	172168-81270	SEAL, DUST	4							
3	1	172141-94260	PIN 38-130	2							
4	1	172141-94271-1	PIN 38-94	2							
5	1	172124-94310	PLATE, LOCK	2							
6	1	24761-020000	NIPPLE, GREASE PT1/8	2							
7	1	24761-040000	NIPPLE, GREASE B	2							
8	1	26013-100252	BOLT, M10X 25	4							
9	1	933171-29750	SHIM ASSY	4							
10	1	172164-81670	SPACER	2							
11	1	22157-120000	WASHER, 12	2							
12	1	26013-120302	BOLT, M12X 30	2							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101720-55750	7	35
102103-55520	7	30
104200-11920	7	2
104200-55321	7	26
104200-55330	7	27
104200-55341	7	28
104200-55750	7	36
104200-92350	2	4
110250-55610	7	31
119247-77100	9	35
119632-77922	9	41
119640-92750	2	5
119650-77910	9	38
119653-77710	9	36
119831-13580	3	2
119831-44551	6	16
119831-44571	6	18
119831-49010	6	19
119831-49020	6	20
121120-44800	1	35
121250-44590	6	36
121250-49121	6	23
121257-55720	7	32
121257-55731	7	33
121450-44531	6	10
121450-49110	6	21
121468-44510	6	8
121468-44540	6	11
121470-44521	6	9
121470-44540	6	15
121470-44581	6	13
124064-55510	7	29
124450-44560	6	12
124450-44590	6	17
124764-44810	1	36
124764-44920	1	14
124766-59050	6	25
	7	40
	39	29
129335-55700	7	25
171081-55910	7	37
172010-01640	49	36
172068-28490	15	19
172112-06480	33	19
	35	32
172112-06490	33	20
	35	33
172112-75780	39	7
172112-77580	48	1
172113-12521	4	5

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172141-37130	11	3
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