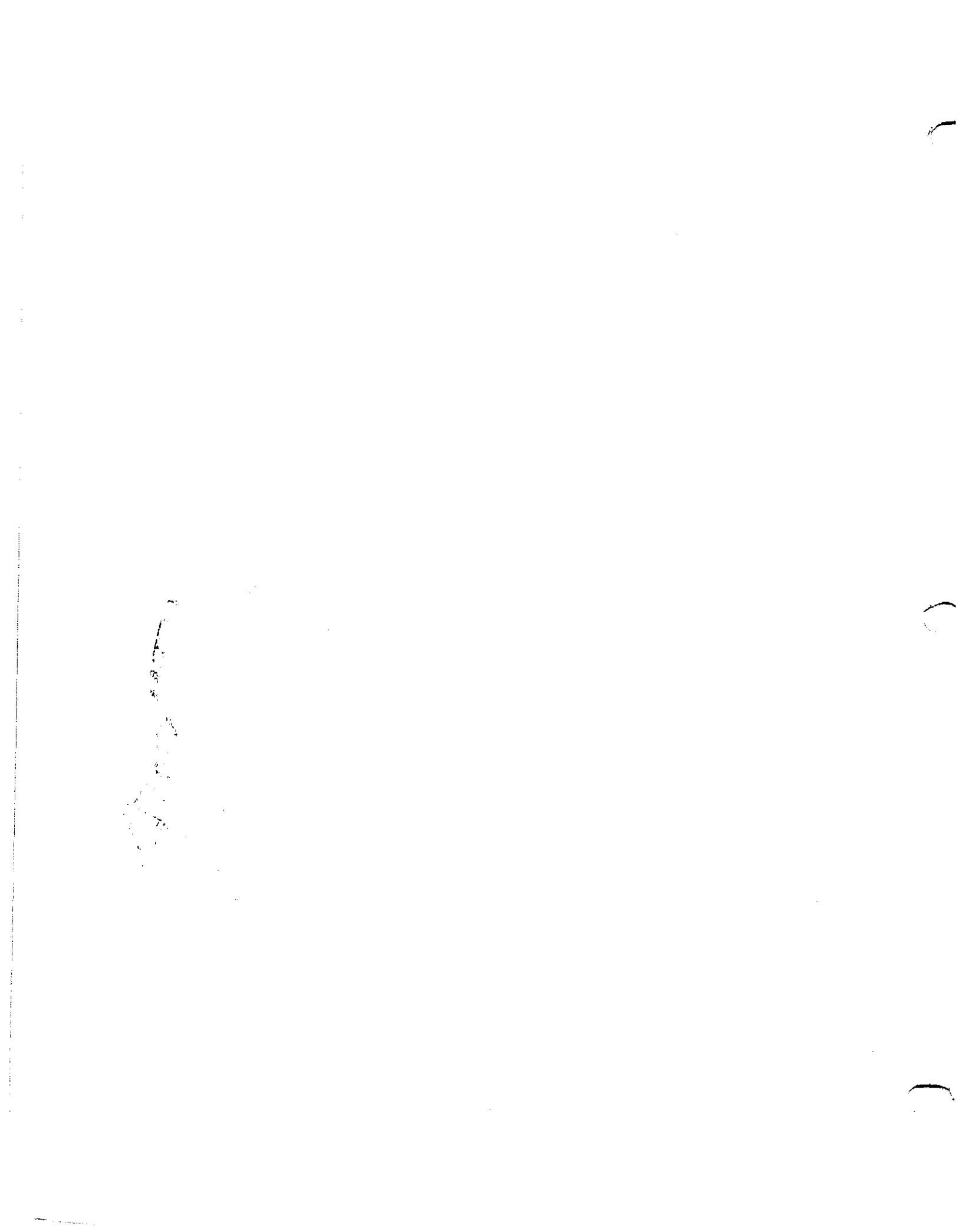
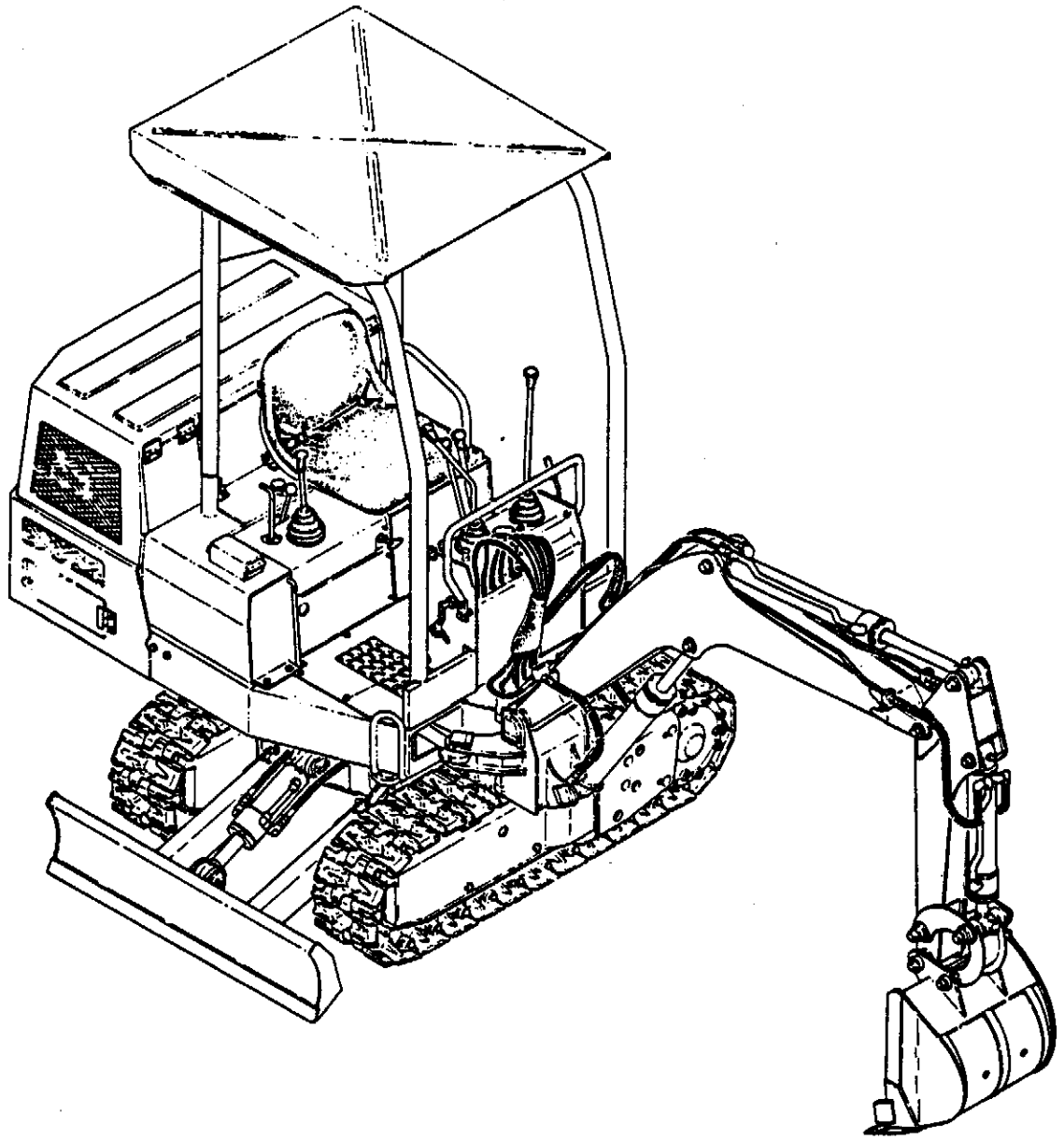
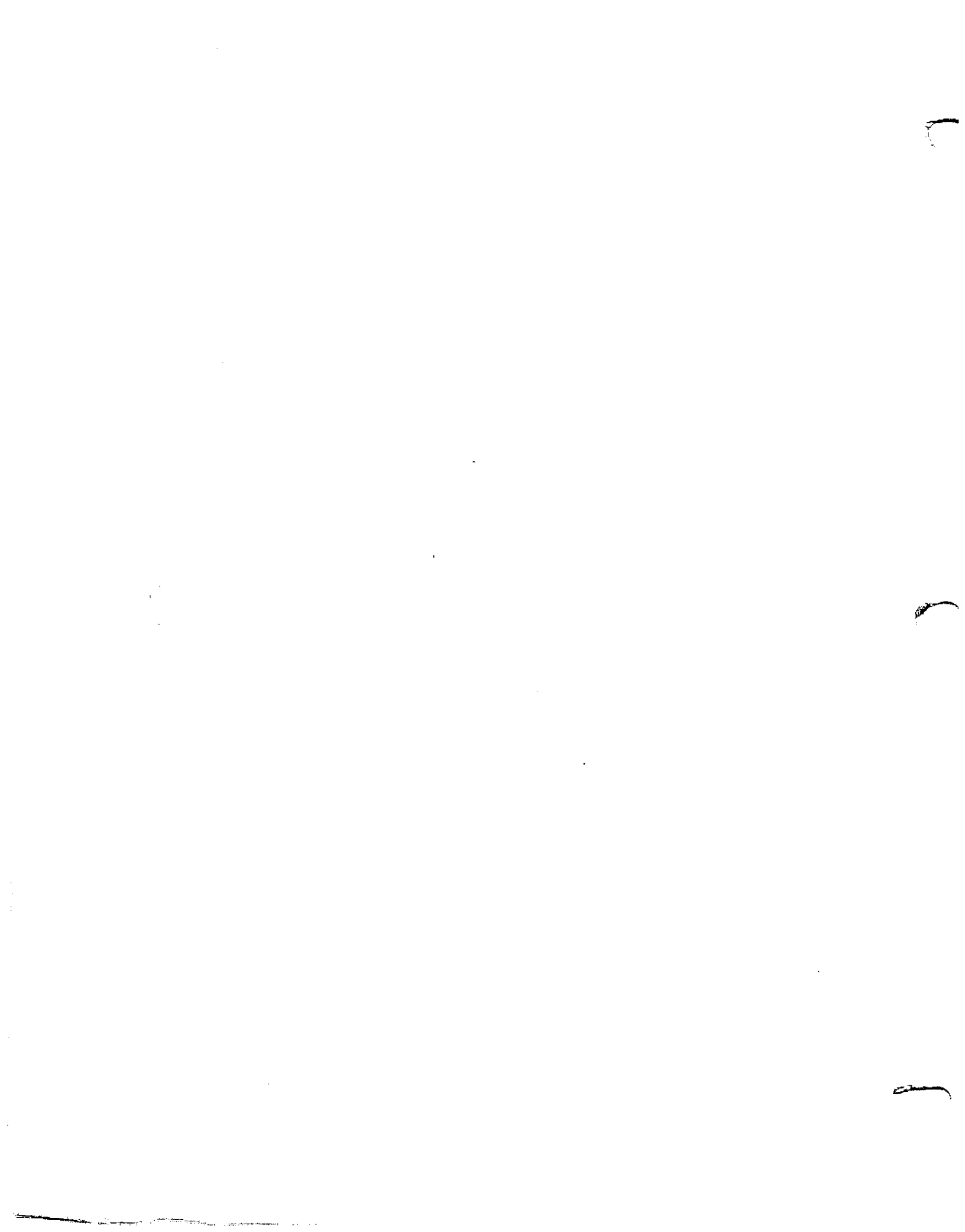
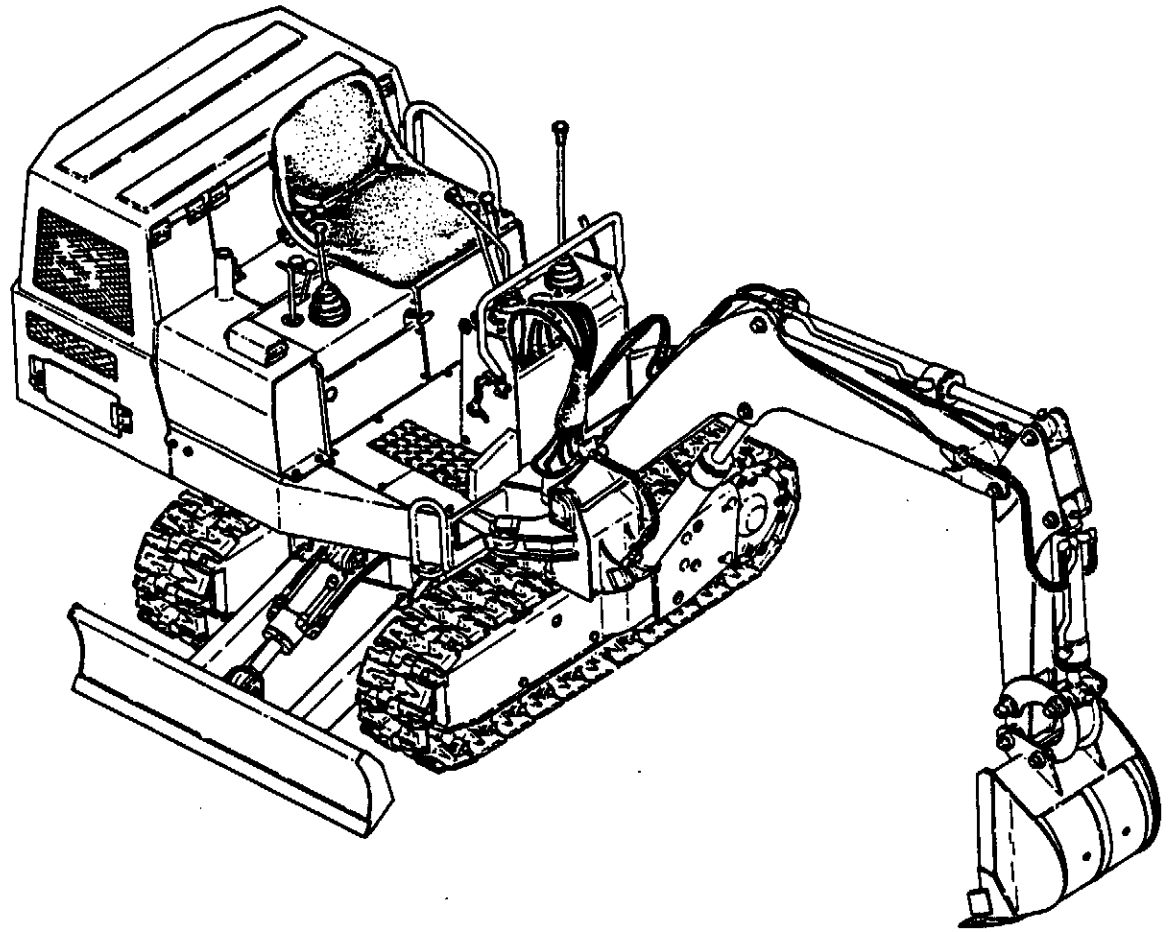


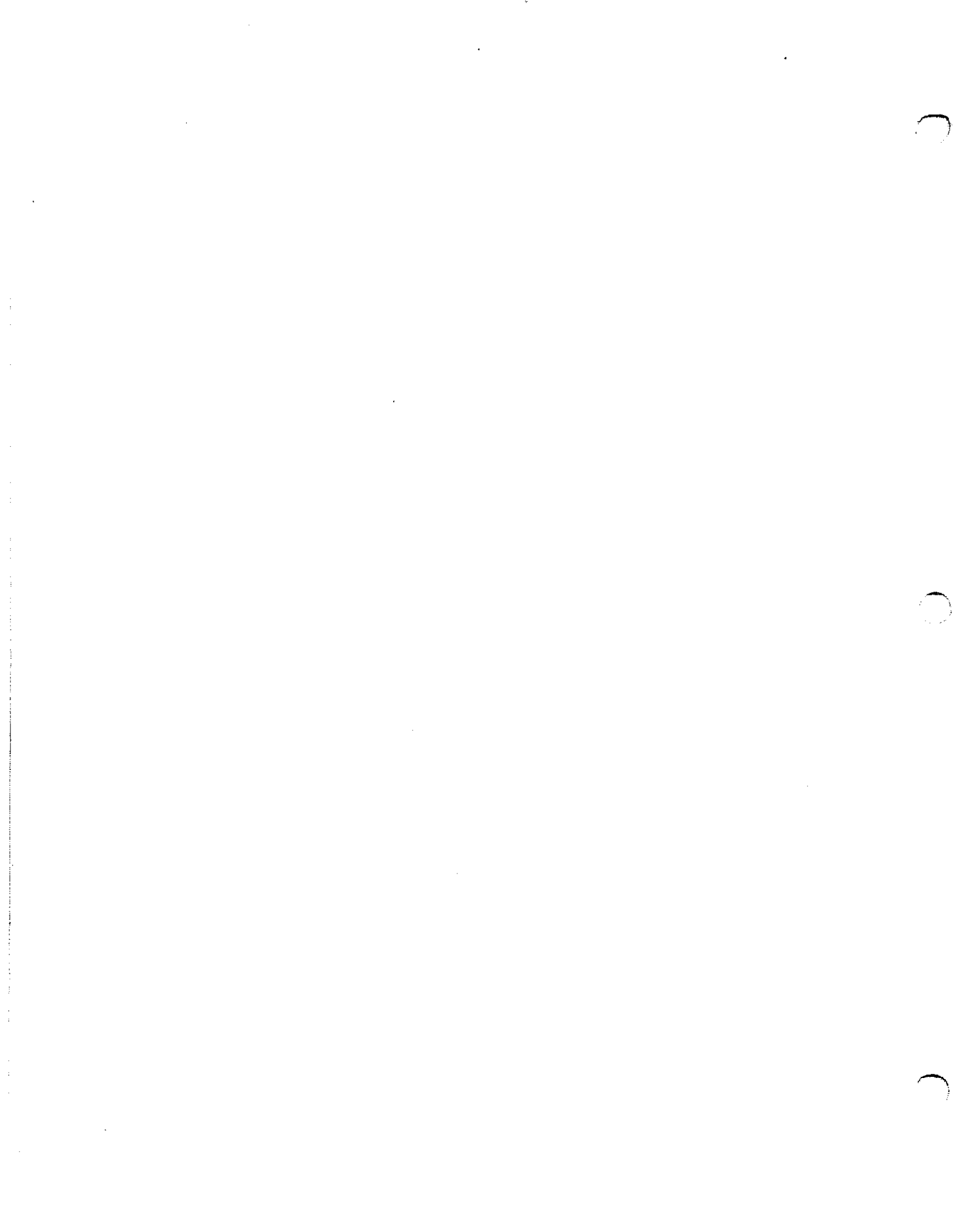
TB10S
BODY PARTS











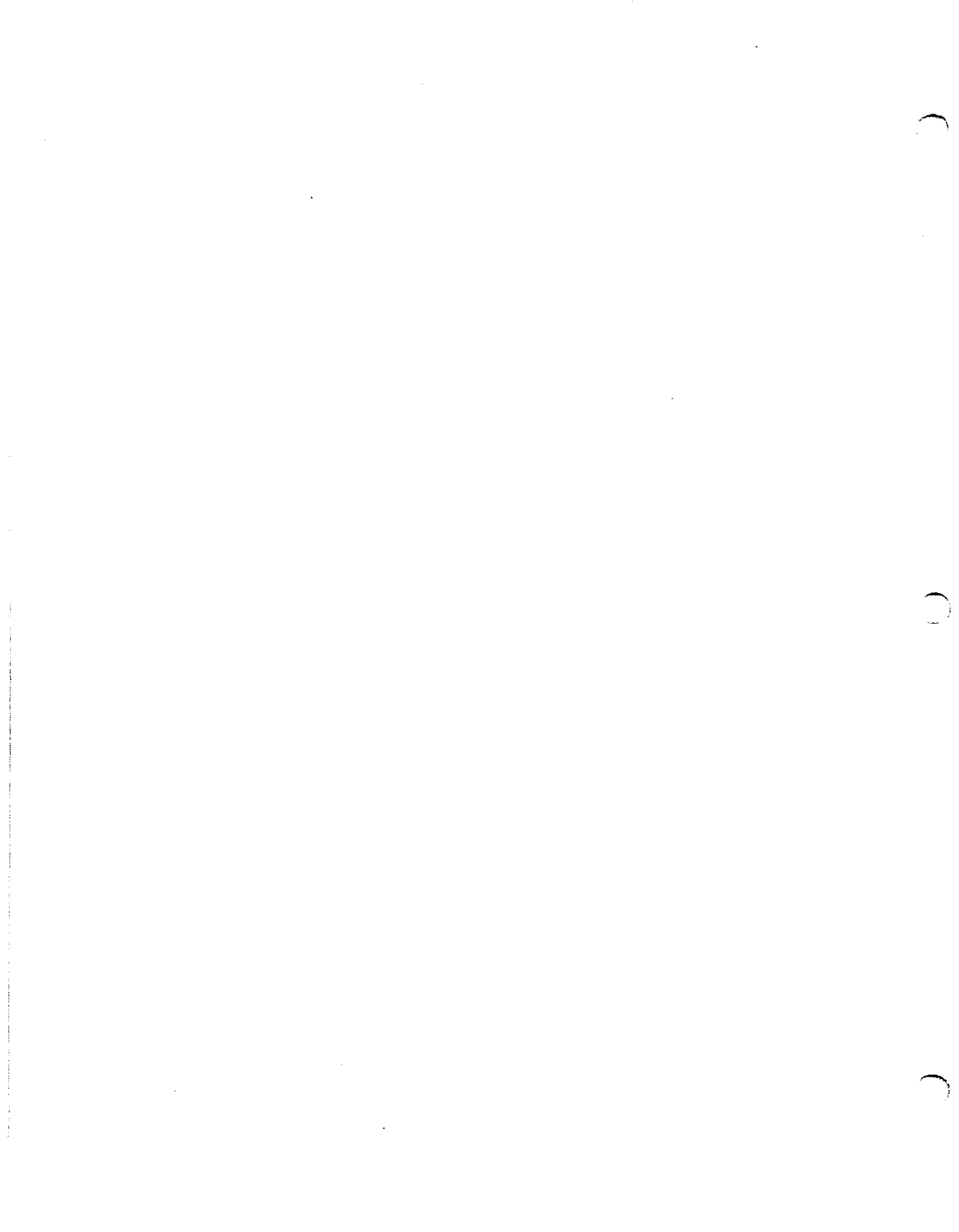
GENERAL INFORMATION

This Parts Catalog contains parts lists and indexed exploded views to provide replacement part information for Mini-Back Hoe, Model TE650S.

Illustration of each page is drawn under the same condition as the figure of the overall assembly of the model except Control Box, Engine Control, Bucket (Incl. optional Bucket), and Hydraulic devices.

"Right Hand", "Left Hand", "Front", and "Rear" sides of the upper machine section are determined by sitting the operator's seat facing the control levers.

"Rear" side of the lower machine section is determined by the traction motor.



HOW TO ORDER PARTS

When ordering machine parts you are requested to mention clearly the number, the description, and the quantity of parts in demand together with the model and the serial number of the machine.

For example

TB650S	10027	19081-09095	HOSE	2
↓	↓	↓	↓	↓
MODEL	SERIAL NUMBER	PARTS NUMBER	DESCRIPTION	ORDERING QUANTITY

HOW TO USE THIS PARTS CATALOG

Item Item shows the referring number appended to each part in illustrations for the index of parts.

PARTS NUMBER Parts No. shows the number proper to each part. A part with its number prefixed with "X" will not be supplied.

DESCRIPTION Description shows the name proper to each part. Component parts of assembling parts are shown with "*"marks and

are shown below of assembling parts, and which indicates daughter parts or grand daughter parts of parental relation.

Q' ty Q' ty shows the quantity used for one machine, however Q' ty of component parts shows the Q' ty used for one assembling parts. For certain parts an A. R. will be shown in the quantity column. This A. R. indicates the quantity to be used is "As required".

REMARKS Other essential particulars are put down. A number after "#" shows the serial number of the machine on which the part is used.

NOTE This column is provided only case of need.

Rev. ○ When changes to this book are necessary, revised pages will be issued with the same Fig. number as those they replace and the Rev. number in the circle (Rev. ①, Rev. ②, Rev. ③) will be advanced.

Interchangeability "↓↑" mark after description indicates the interchangeability between the part with this mark and one part just above or below it.

INDEX

LOWER MACHINE

- FIG. 01 LOWER FRAME
- FIG. 02 TRACK SHOE
- FIG. 03 TRACK ROLLER
- FIG. 04 FRONT IDLER
- FIG. 05 TRACK TENSION
- FIG. 06 TRACK GEARBOX
- FIG. 07 BLADE
- FIG. 08 PIPING, LOWER

UPPER MACHINE, 1

- FIG. 09 SLEW GEARBOX
- FIG. 10-1 TURNTABLE
#1 ~#192 (without breaker circuit)
- FIG. 10-2 TURNTABLE
#193 ~ (with breaker circuit)
- FIG. 11-1 CONTROL LEVER, TRACTION J.C.B. type
#1 ~#395 (#192) (without breaker circuit)
- FIG. 11-2 CONTROL LEVER, TRACTION J.C.B. type
#396 ~ (rectang.grip. without breaker circuit)
- FIG. 11-3 CONTROL LEVER, TRACTION Priestman type
#1 ~#395 (MM10 only, without breaker circuit)
- FIG. 11-4 CONTROL LEVER, TRACTION J.C.B. type
#193 ~#395 (without breaker circuit)
- FIG. 11-5 CONTROL LEVER, TRACTION J.C.B. type
#396 ~ (rectang.grip. with breaker circuit)
- FIG. 12-1 CONTROL LEVER, OPERATION J.C.B. type
#1 ~#395 (#192) (without breaker circuit)
- FIG. 12-2 CONTROL LEVER, OPERATION J.C.B. type
#396 ~ (grip with horn. without breaker circuit)
- FIG. 12-3 CONTROL LEVER, OPERATION Priestman type
#1 ~#395 (MM10 only, without breaker circuit)
- FIG. 12-4 CONTROL LEVER, OPERATION J.C.B. type
#193 ~#395 (with breaker circuit)
- FIG. 12-5 CONTROL LEVER, OPERATION J.C.B. type
#396 ~ (grip with horn. with breaker circuit)

INDEX

- FIG. 13-1 CONTROL LEVER, BLADE
#1 ~ #192 (round grip, without breaker circuit)
- FIG. 13-2 CONTROL LEVER, BLADE
#396 ~ (rectang.grip, without breaker circuit)
- FIG. 13-3 CONTROL LEVER, BLADE
#193 ~ (with breaker circuit)

UPPER MACHINE, 2

- FIG. 14-1 ENGINE & ACCESSORIES
#1 ~ #126
- FIG. 14-2 ENGINE & ACCESSORIES
#127 ~
- FIG. 15-1 CONTROL BOX
#1 ~ #395
- FIG. 15-2 CONTROL BOX
#396 ~
- FIG. 16-1 ENGINE CONTROL
#1 ~ #175
- FIG. 16-2 ENGINE CONTROL
#176 ~
- FIG. 17-1 ELECTRICALS
#1 ~ #230
- FIG. 17-2 ELECTRICALS
#231 ~

UPPER MACHINE 3

- FIG. 18 GREASE PIPING
- FIG. 19-1 PIPING, UPPER 1
#1 ~ #192
- FIG. 19-2 PIPING, UPPER 1
#1 ~ #192 (MM10 only)
- FIG. 19-3 PIPING, UPPER 1
#193 ~
- FIG. 20-1 PIPING, UPPER 2
#1 ~ #192

INDEX

- FIG. 20-2 PIPING, UPPER 2
#1 ~#192 (MM10 only)
- FIG. 20-3 PIPING, UPPER 2
#193 ~#230
- FIG. 20-4 PIPING, UPPER 2
#231 ~
- FIG. 21 PUMPE DRIVE
- FIG. 22-1 HYDRAULIC TANK
#1 ~#18
- FIG. 22-2 HYDRAULIC TANK
#19~#192
- FIG. 22-3 HYDRAULIC TANK
#193 ~
- FIG. 23-1 FUEL TANK
#1 ~#192
- FIG. 23-2 FUEL TANK
#193 ~

UPPER MACHINE 4

- FIG. 24-1 COVERS
#1 ~#192
- FIG. 24-2 COVERS
#1 ~#192 (MM10 only)
- FIG. 24-3 COVERS
#193 ~
- FIG. 24-4 COVERS
#193 ~ (MM10. TB-10S. EX-10S)
- FIG. 25-1 SEAT
- FIG. 25-2 SEAT
#337 ~ (TB-10S only)
- FIG. 26-1 CANOPY (MM10. TB-10S. EX-10S)
#1 ~#259 (except #145. #174. & 190)
- FIG. 26-2 CANOPY (MM10. TB-10S. EX-10S)
#145. 174. 190. & #260 ~

INDEX

HOE ATTACHMENT

- FIG. 27-1 HOE
#1 ~#45
- FIG. 27-2 HOE
#46~
- FIG. 28 BUCKET
- FIG. 29-1 PIPING, HOE 1
- FIG. 29-2 PIPING, HOE 1 (MM10 only)
- FIG. 30 PIPING, HOE 2
(with breaker circuit)

- FIG. 31-4 STICKERS (U.S.A.)
- FIG. 32-1 TOOLS
#1 ~#192
- FIG. 32-2 TOOLS
#193 ~

HYDRAULIC DEVICES

- FIG. 33-1 SWIVEL JOINT
#1 ~#280 (except #261.263.268.269.270.271. &272)
- FIG. 33-2 SWIVEL JOINT
#261.263.268.269.270.271.272. #281 ~
- FIG. 34-1 CONTROL VALVE
#1 ~#192
- FIG. 34-2 CONTROL VALVE (fo Priestman type lever)
#1 ~#395 (#192) (MM10)
- FIG. 34-3 CONTROL VALVE
#193 ~

INDEX

- FIG. 35 BLADE VALVE
 #193 ~ (with breaker circuit)
- FIG. 36 CB. VALVE & S. B. VALVE
- FIG. 37 BOOM CYLINDER
- FIG. 38 ARM CYLINDER
- FIG. 39 BUCKET CYLINDER
- FIG. 40-1 BLADE CYLINDER
 #1 ~#230
- FIG. 40-2 BLADE CYLINDER
 #231 ~
- FIG. 41 SWING CYLINDER
- FIG. 42 HYDRAULIC MOTOR
- FIG. 43 HYDRAULIC PUMP

OPTIONS

- FIG. 44 RUBBER CRAWLER
- FIG. 45 BUCKET

C

C

C

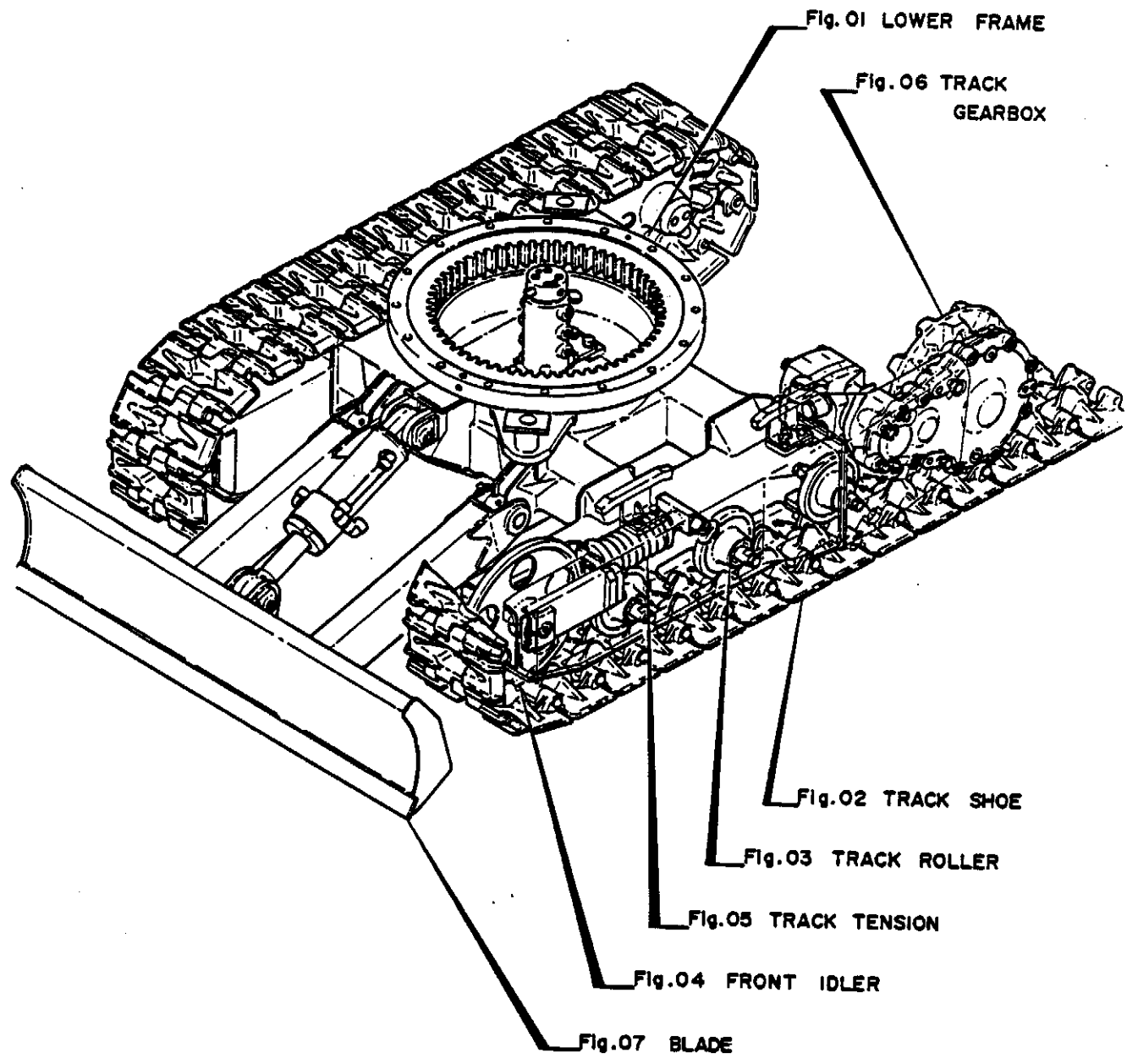


Fig. 01 LOWER FRAME

Fig. 06 TRACK GEARBOX

Fig. 02 TRACK SHOE

Fig. 03 TRACK ROLLER

Fig. 05 TRACK TENSION

Fig. 04 FRONT IDLER

Fig. 07 BLADE

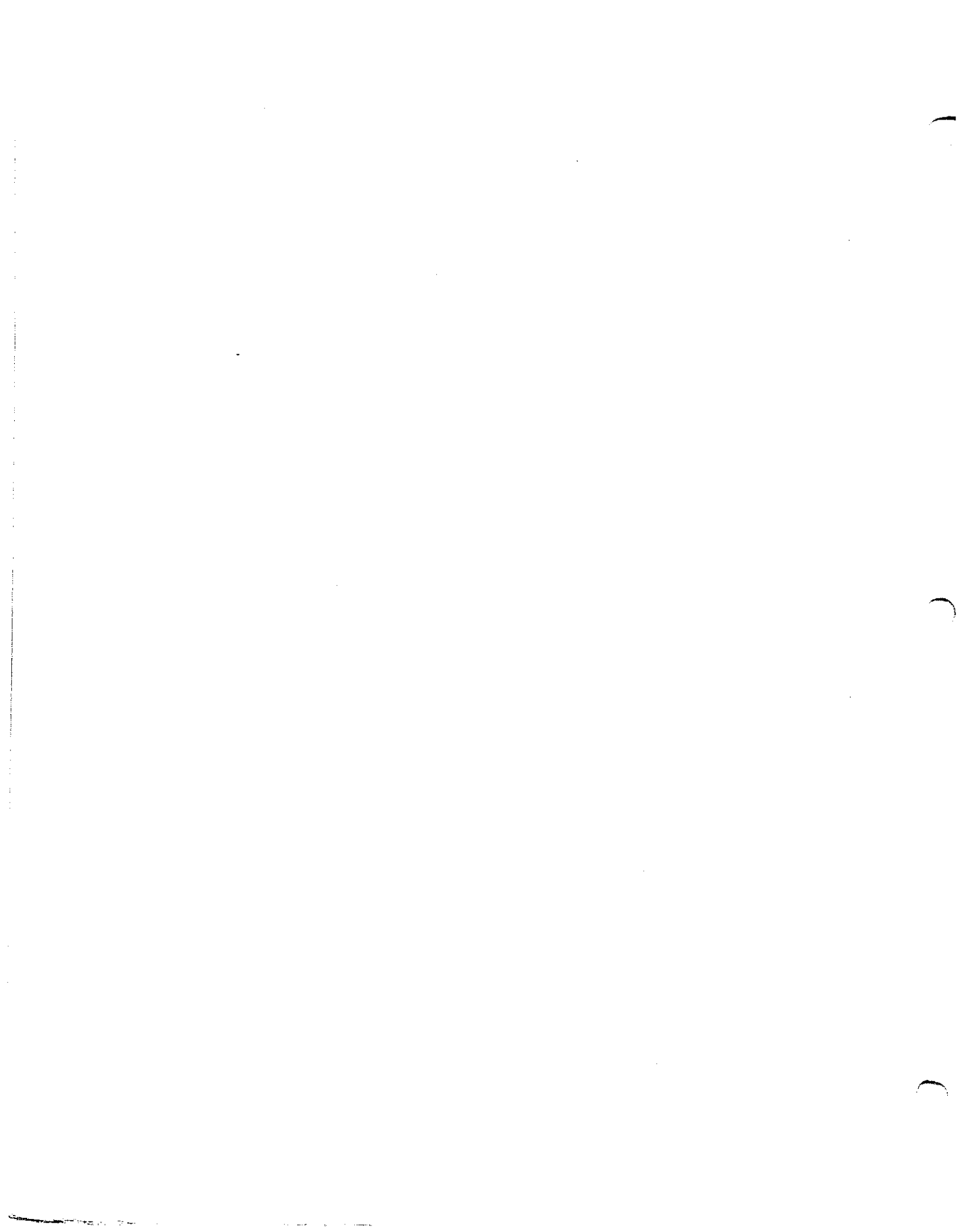
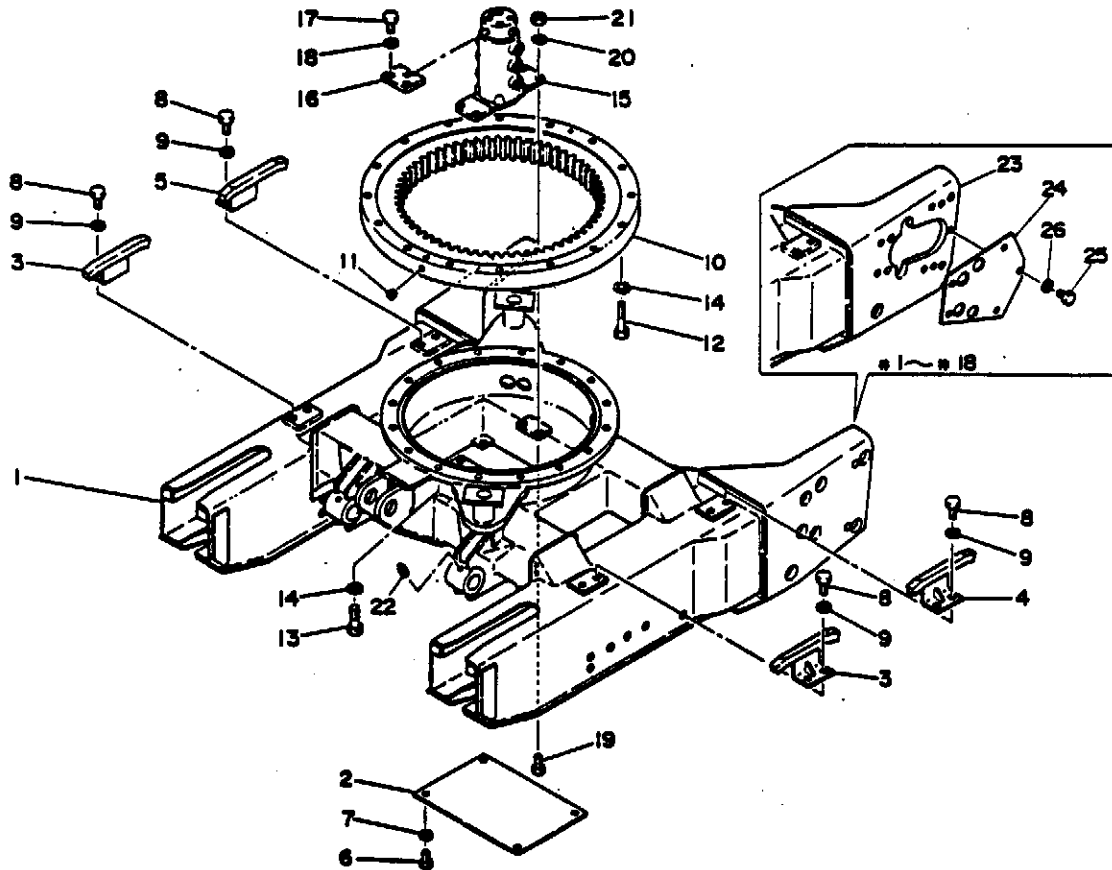
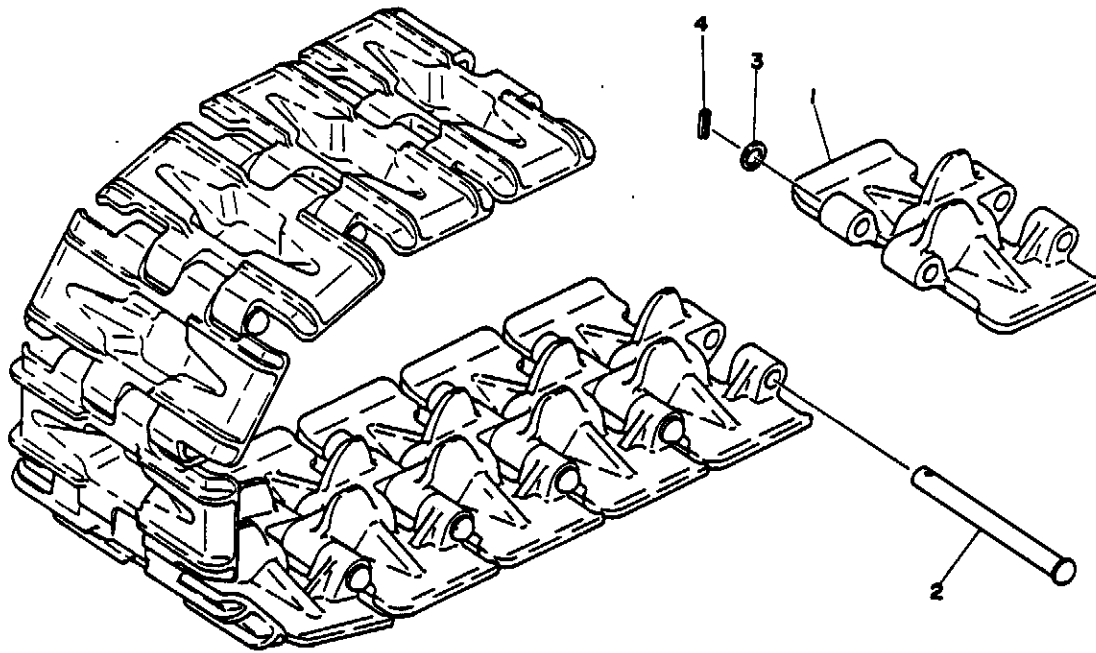


FIG. 01 LOWER FRAME



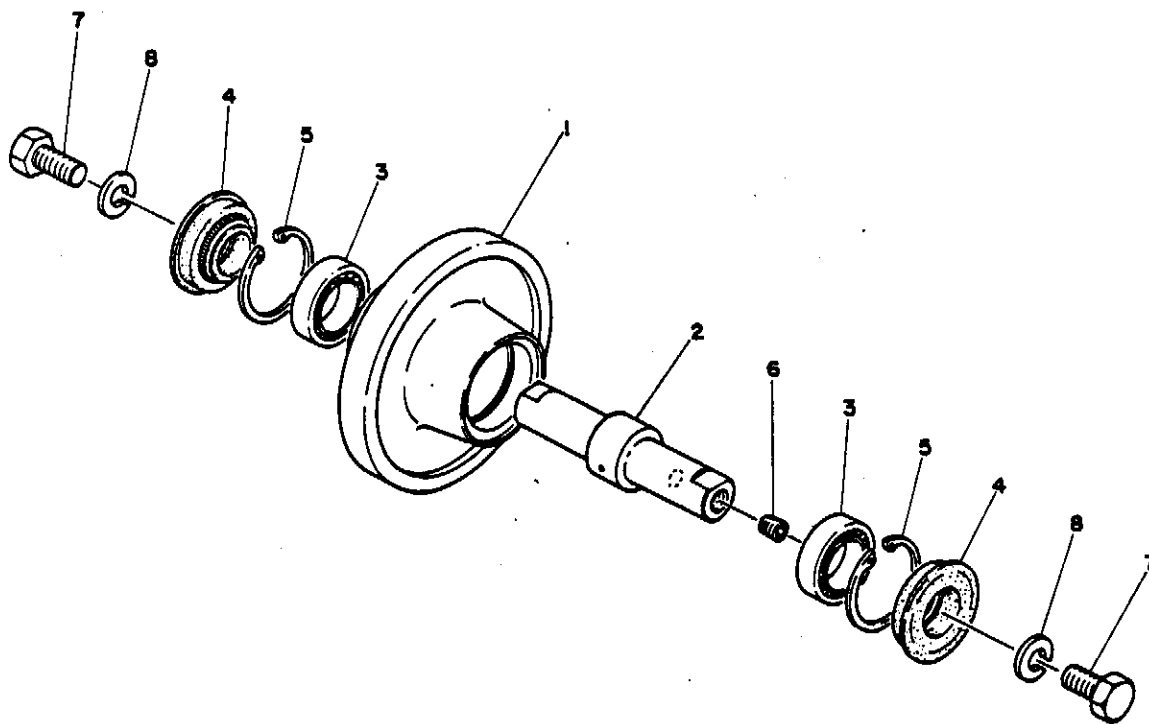
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00710-00100	FRAME	1	#19-	2	11400-10000	WASHER, Spring	10	#1-#18
1	00710-01500	COVER	1						
2	00710-01700	SLIDE	2						
1	00710-01600	SLIDE (R. H)	1						
1	00710-01900	SLIDE (L. H)	1						
4	11000-50816	BOLT	4						
4	11400-10000	WASHER, Spring	4						
8	11000-51018	BOLT	8						
2	11400-10010	WASHER, Spring	2						
1	10130-01600	BEARING, Slip	1						
1	15010-20001	*PLUG	1						
16	11010-51260	BOLT	16						
16	11010-51245	BOLT	16						
2	11415-40012	WASHER	2						
1	13040-00800	JOINT, Swivel	1						
1	00721-00100	STOPPER	1						
2	11010-51225	BOLT	2						
2	11400-10012	WASHER, Spring	2						
4	11000-50825	BOLT	4						
4	11400-10000	WASHER, Spring	4						
4	11300-50000	NUT	4						
2	13600-01000	NIPPLE, Grease	2						
1	00710-00100	FRAME	1	#1-#18					
2	00710-01600	COVER	2	#1-#18					
10	11000-50816	BOLT	10	#1-#18					

FIG. 02 トラック シュー TRACK SHOE



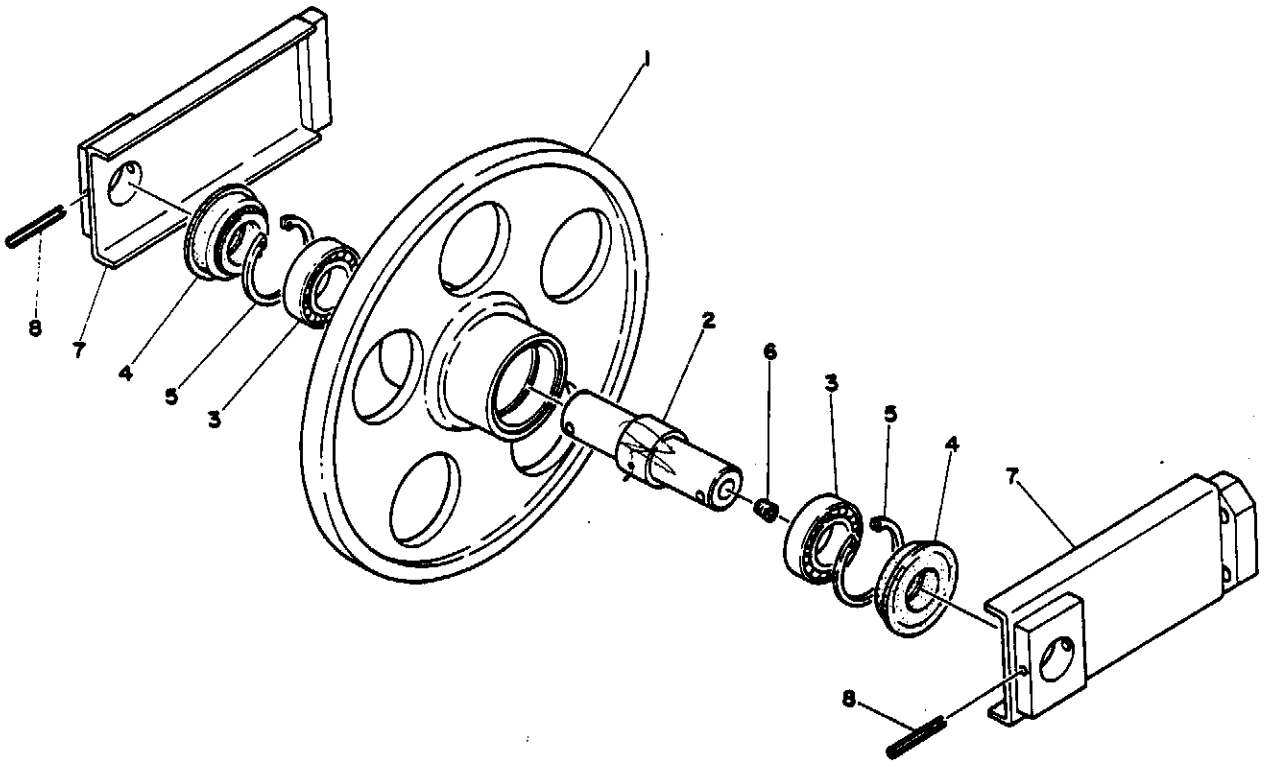
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	19140-09100	SHOE ASSY. Track	2	
1	19140-09101	*SHOE	20	
2	19140-09102	*PIN. Track	20	
3	19140-09103	*WASHER	20	
4	12130-00620	*PIN. Spring	20	

FIG. 03 トラック ローラー TRACK ROLLER



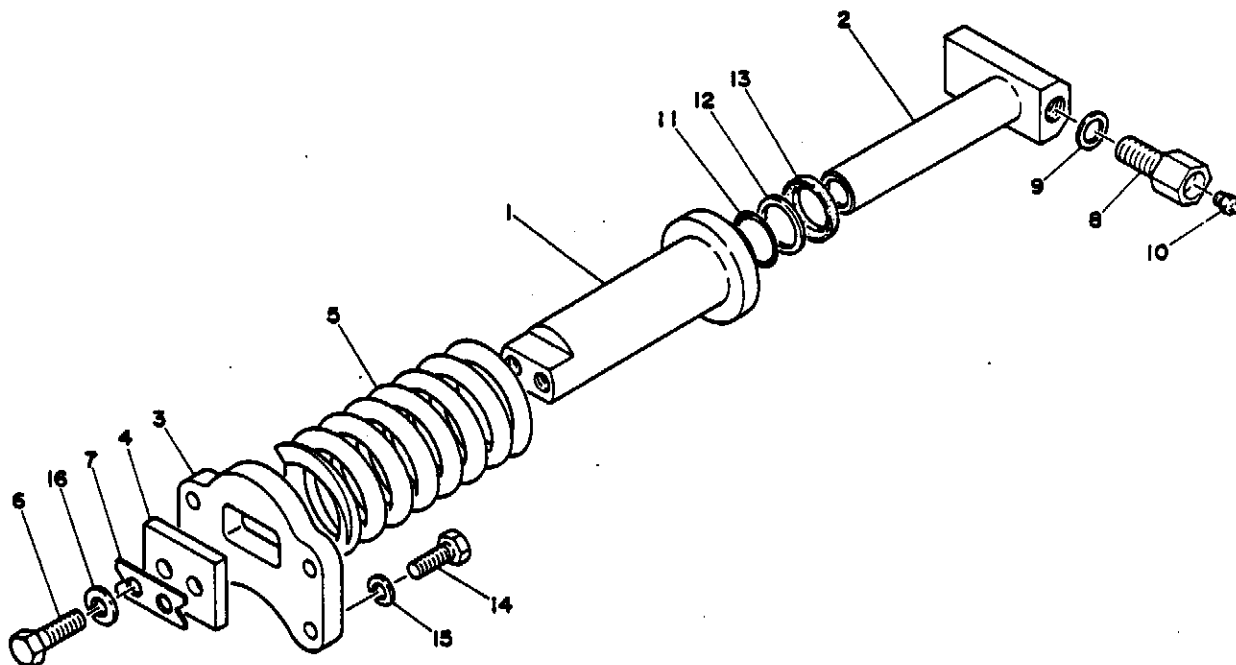
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00713-90000	ROLLER ASSY. Track	0	
1	00713-00100	*ROLLER	1	
2	00713-00200	*SHAFT	1	
3	13000-00005	*BEARING	2	
4	14310-02547	*SEAL Oil	2	
5	12210-00047	*RING Snap	2	
6	15018-20001	*PLUG	1	
7	11000-51225	BOLT	12	
8	11400-10012	WASHER Spring	12	

FIG. 04 フロント アイドラー FRONT IDOLER



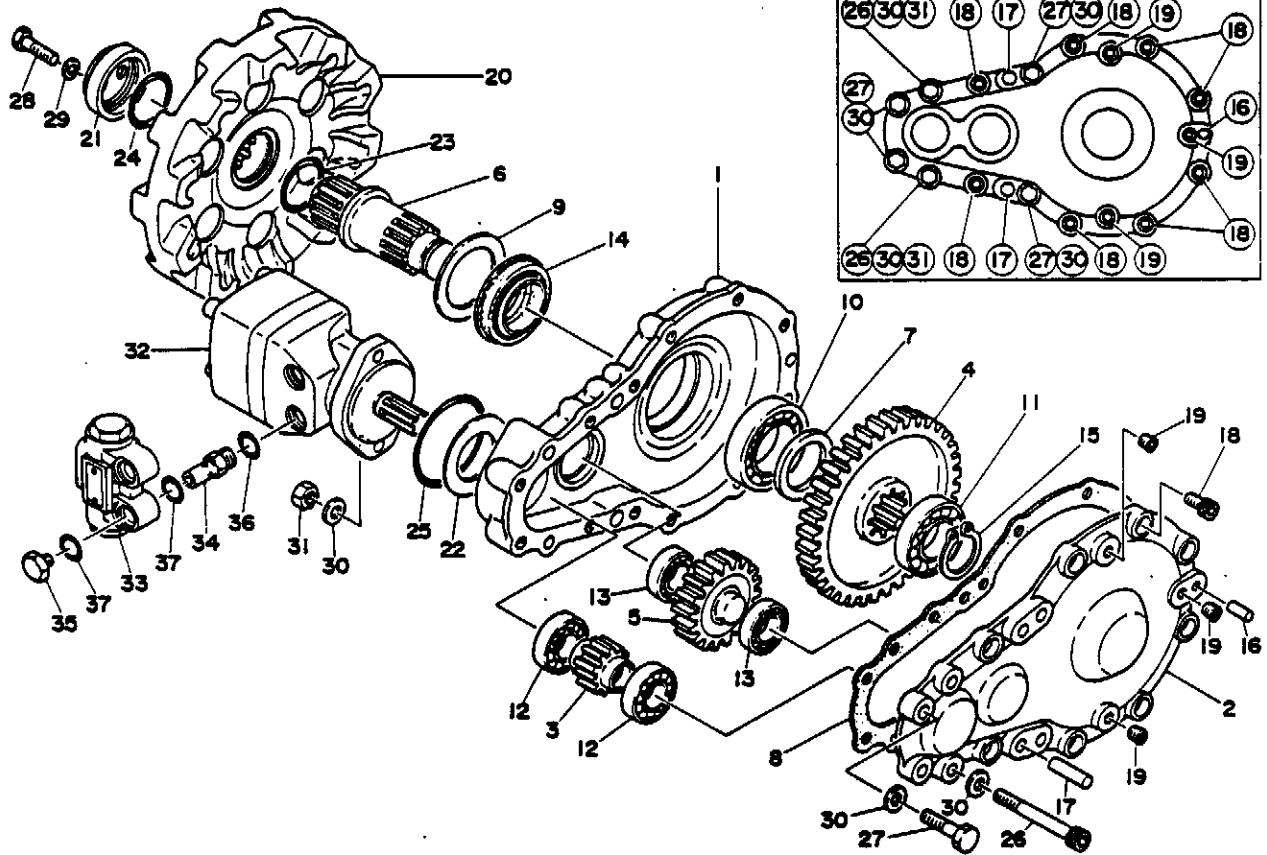
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00714-90000	IDLER ASSY. Front	2	
1	00714-00100	WIDLER	1	
2	00714-00200	WSHAFT	1	
3	13000-06006	WBEARING	2	
4	14312-03035	WSEAL OIL	2	
5	12210-00055	WRING Snap	2	
6	15010-20001	WPLUG	1	
7	00714-00300	WSLIDE	4	
8	12130-00645	WPIN Spring	4	

FIG. 05 TRACK TENSION



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
	1	00715-01100 CYLINDER Grease	2	
	2	00715-01200 PISTON	2	
	3	00715-00300 PLATE	2	
	4	00715-00400 PLATE	2	
	5	00070-00018 SPRING	2	
	6	11010-31240 BOLT	4	
	7	00715-00600 PLATE Lock	2	
	8	15413-01601 VALVE ASSY. Check	2	
	9	15413-01610 PACKING	2	
	10	15600-01000 NIPPLE Grease	2	
	11	14200-10300 O-RING	2	
	12	14210-20300 RING Back-up	2	
	13	14004-01654 SEAL Oil	2	
	14	11000-51030 BOLT	8	
	15	11400-10010 WASHER Spring	8	
	16	11400-10012 WASHER Spring	4	

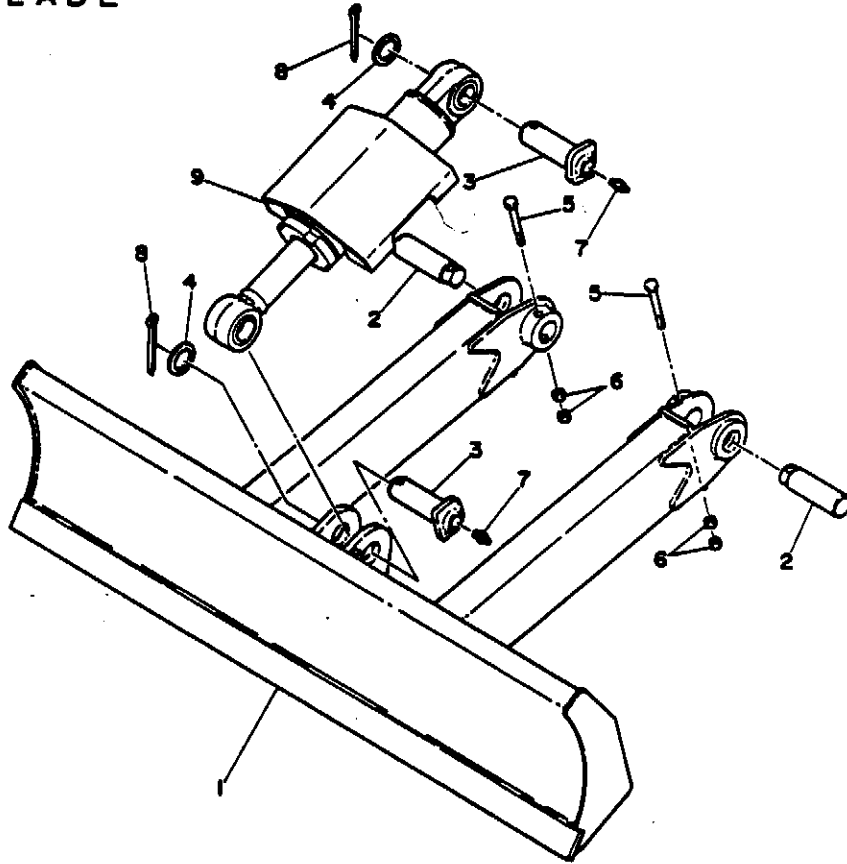
FIG-06 TRACK GEARBOX



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
2	00716-00010	GEAR BOX ASSY	2	#11-
2	00716-00000	GEAR BOX ASSY	2	#1-#10
1	00716-00100	*CASE	1	
1	00716-00200	*COVER	1	
1	00716-00300	*GEAR	1	
1	00716-00400	*GEAR	1	
1	00716-00500	*GEAR	1	
1	00716-01100	*SHAFT	1	#11-
1	00716-00600	*SHAFT	1	#1-#10
1	00030 51570	*COLLAR	1	
1	00716-00900	*PACKING	1	
1	00716-01000	*WASHER	1	
1	13000-06210	*BEARING	1	
1	13000-06208	*BEARING	1	
2	13000-06007	*BEARING	2	
2	13000-06006	*BEARING	2	
1	14310-05005	*SEAL, Oil	1	
1	12220-18040	*SEECER RING	1	
1	12120 01025	*PIN, Dowel	1	
2	12120-01343	*PIN, Dowel	2	
0	11100 51020	*BOLT, Socket	0	
3	15015-20002	*PLUG	3	
2	00716-02100	SPROCKET	2	#11-
2	00716-00700	SPROCKET	2	#1-#10
2	00716-00800	PLATE	2	

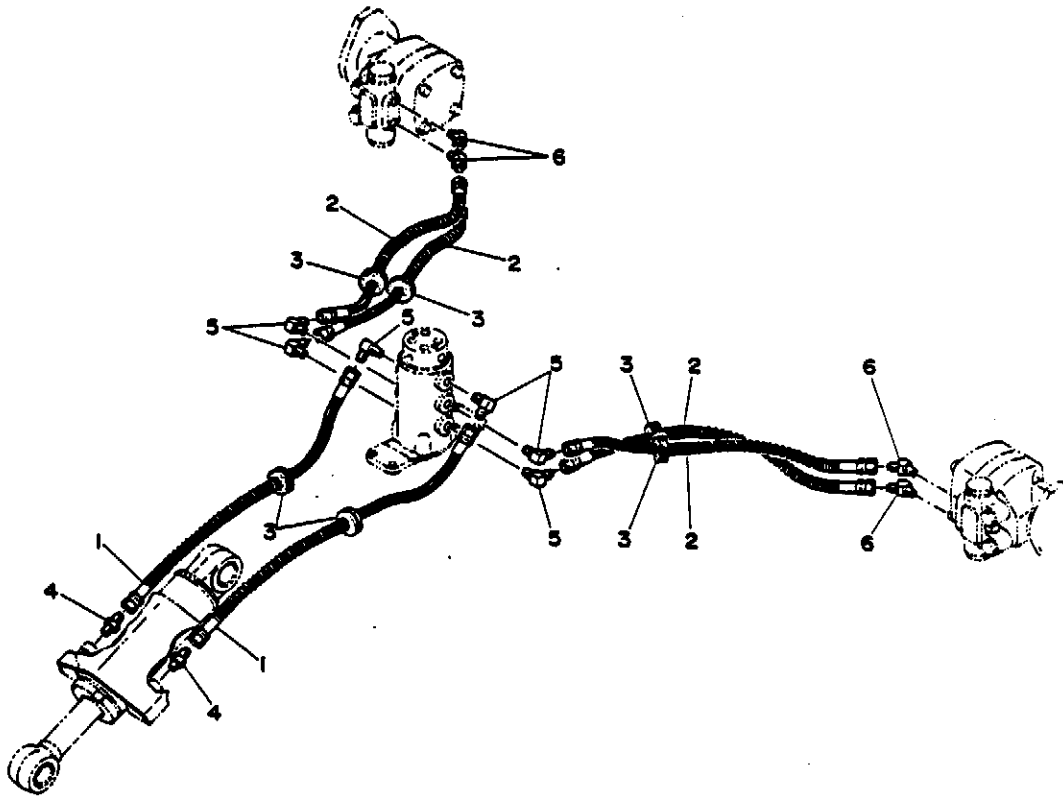
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
2	00030-00014	WASHER	2	
2	14201-00500	O-RING	2	
2	14201-00550	O-RING	2	
2	14203-00850	O-RING	2	
4	11101-51200	BOLT, Socket	4	
6	11010-51250	BOLT	6	
4	11000-51040	BOLT	4	#11-
4	11000-51025	BOLT	4	#1-#10
4	11400-10010	WASHER, Spring	4	
16	11415-40012	WASHER	16	
4	11305-50012	NUT	4	
2	19030-03800	MOTOR ASSY	2	
2	19015-00600	VALVE	2	
4	19015-00700	FITTING ASSY	4	
1	19015-00701	*FITTING	1	
1	19015-00702	*PLUG	1	
1	14203-10910	*O-RING	1	
2	14200-10200	*O-RING	2	

FIG. 07 BLADE



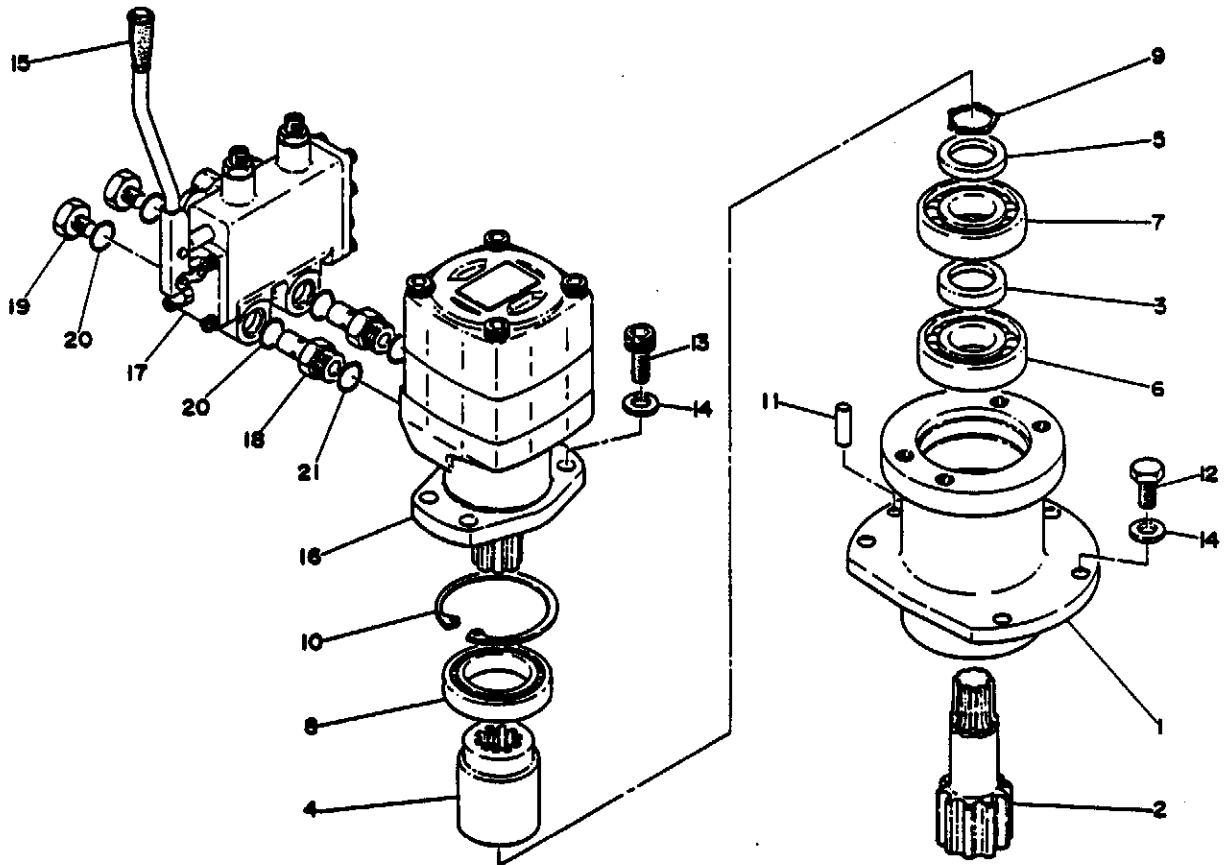
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00763-10100	BLADE	1	
2	00015-00025	PIN	2	
3	00013-30006	PIN	2	
4	00030-30000	COLLAR	2	
	00030-30001	COLLAR	2	
	00030-30002	COLLAR	2	
	00030-30003	COLLAR	2	
	00030-30004	COLLAR	2	
	00030-30005	COLLAR	2	
5	11000-50070	BOLT	2	
6	11300-40008	NUT	4	
7	13000-01000	NIPPLE, Grease	2	
8	12100-00045	PIN, Split	2	
9	19000-15300	CYLINDER ASSY	1	#231-
	19000-10200	CYLINDER ASSY	1	#1-#230

FIG. 08 PIPING. LOWER



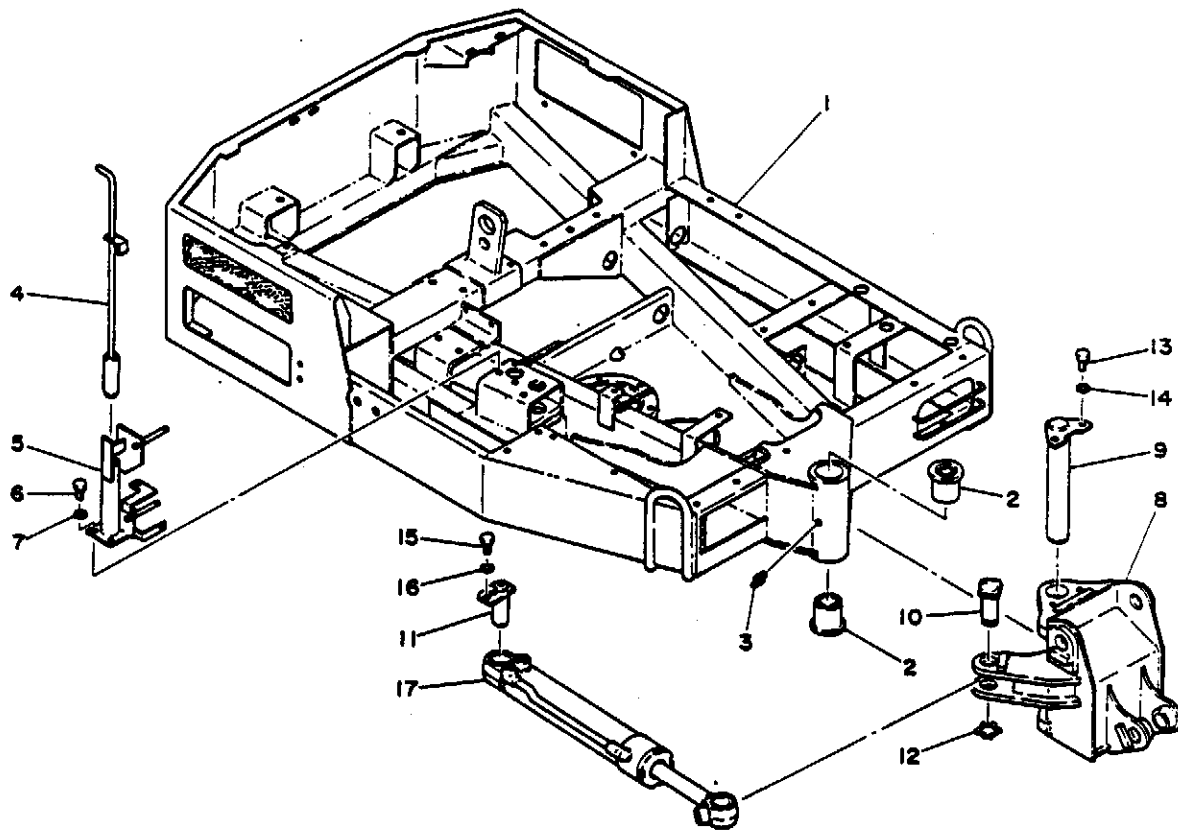
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
2	19899-00001	HOSE ASSY	2	
4	19895-00042	HOSE ASSY	4	
6	00772-00400	GUARD	6	
2	15110-00002	ADAPTOR	2	
6	15111-00002	ELBOW 90°	6	
4	15112-00002	ELBOW 45°	4	

FIG. 09 SLEW GEARBOX



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00623-90000	GEAR BOX ASSY	1	
1	00623-10100	*CASE	1	
2	00723-00200	*PINION	1	
3	00030-30010	*COLLAR	1	
4	00823-10400	*COUPLING	1	
5	00030-35505	*COLLAR	1	
6	13000-00307	*BEARING	1	
7	13000-00307	*BEARING	1	
8	13000-00010	*BEARING	1	
9	12220-10034	*SEGGER RING	1	
10	12210-00000	*RING, Snap	1	
11	12120 01030	PIN, Dowel	1	
12	11010-51225	BOLT	5	
13	11100-51230	BOLT, Socket	4	
14	11415-40012	WASHER	9	
15	10501-12050	GRIP	1	
16	19030-02000	MOTOR ASSY	1	
17	19017-01400	VALVE	1	
18	00072-00008	FITTING	2	
19	00072-00007	PLUG	2	
20	14200-10200	O-RING	4	
21	14203-10910	O-RING	2	

FIG. 10-1 TURNTABLE

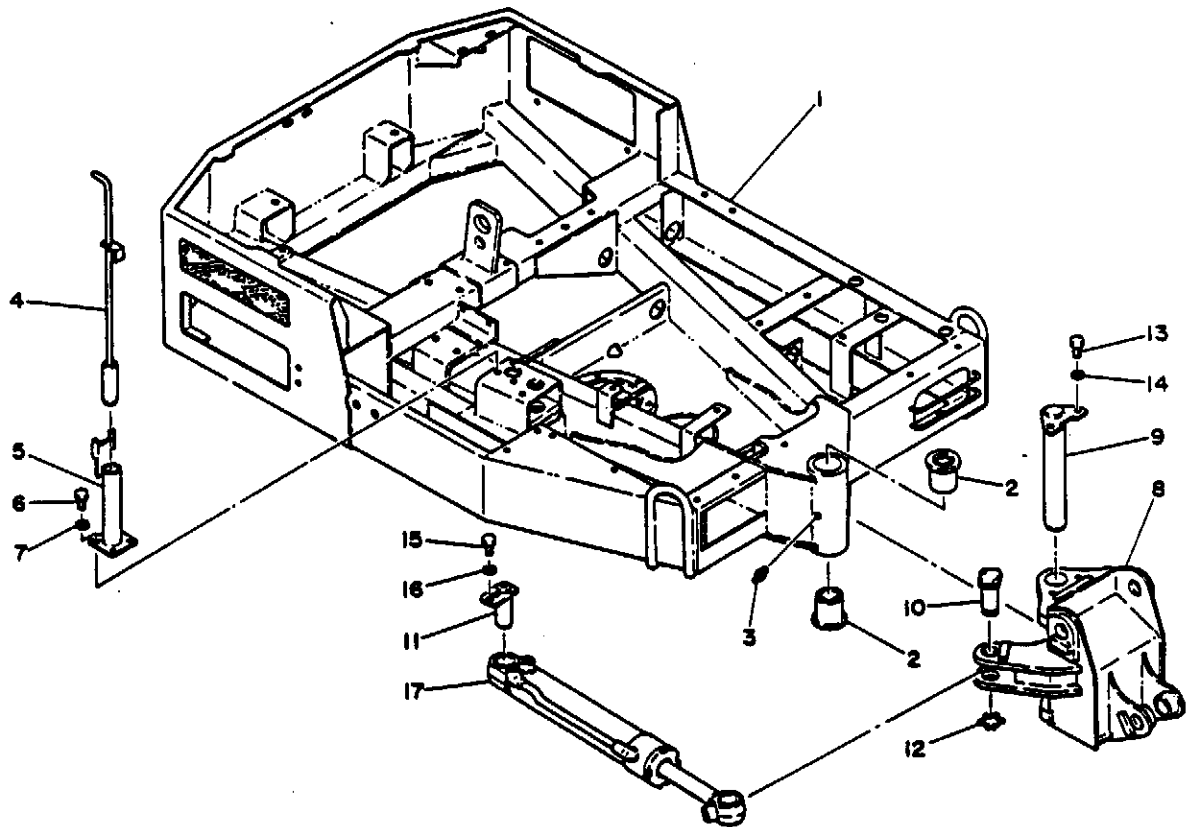


QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	90630-12100	TURNTABLE	1	
2	00026-00001	BUSHING	2	
3	15600-01000	NIPPLE, Grease	1	
4	00622-10100	PIN	1	
5	00622-10200	STAND	1	
6	11000-51020	BOLT	3	
7	11400-10010	WASHER, Spring	3	
8	00731-00100	BRACKET	1	
9	00731-00200	SHAFT	1	
10	00019-00035	PIN	1	
11	00019-00034	PIN	1	
12	12220-16030	SERGER RING	1	
13	11010-51230	BOLT	2	
14	11400-10012	WASHER, Spring	2	
15	11000-51020	BOLT	1	
16	11400-10010	WASHER, Spring	1	
17	19000-10100	CYLINDER ASSY	1	

NOTE

#1-#182. n/o Breaker Circuit Type Fig. 10-1 1/1

FIG. 10-2 TURNTABLE



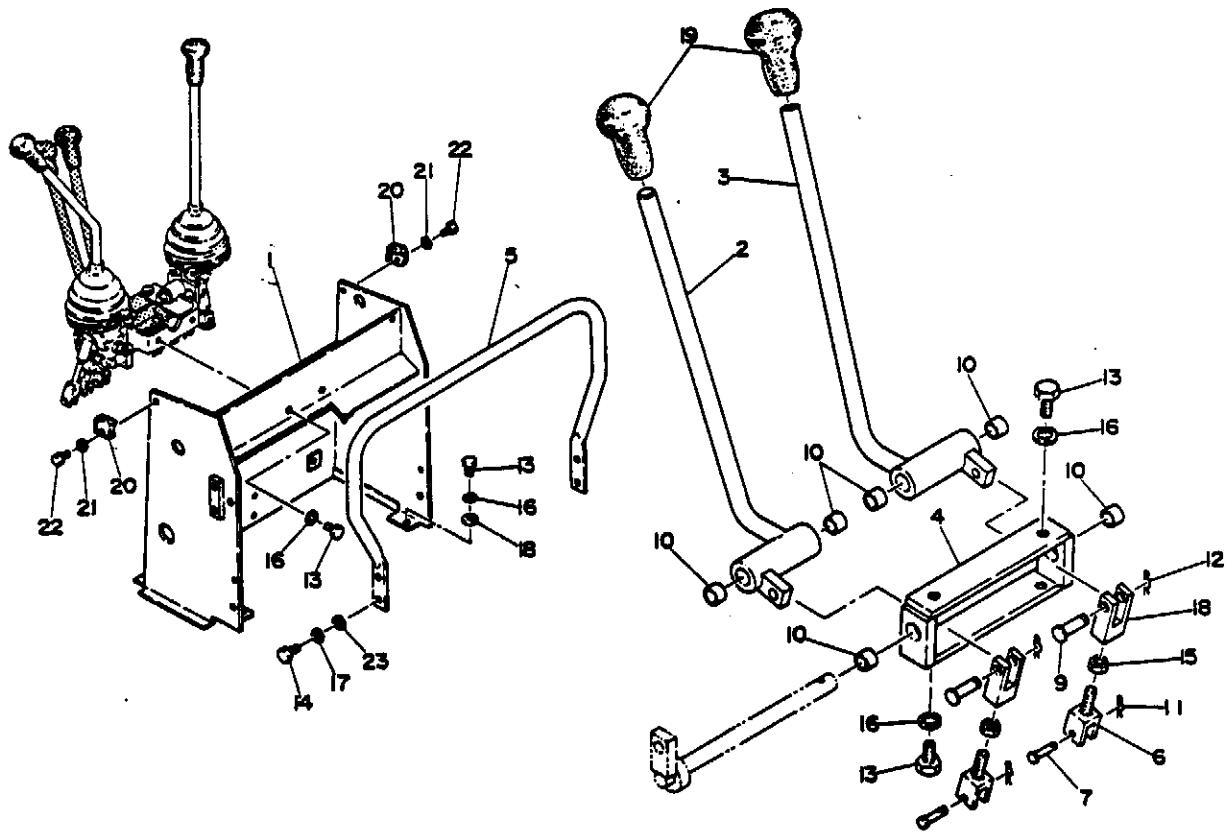
Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00630-12100	TURNTABLE	1
2	00026-00001	BUSHING	2
3	15000-01000	NIPPLE, Grease	1
4	00022-10100	PIN, Lock	1
5	00022-11200	STAND	1
6	11000-51020	BOLT	3
7	11400-10010	WASHER, Spring	3
8	00731-00100	BRACKET	1
9	00731-00200	SHAFT	1
10	00019-00035	PIN	1
11	00019-00034	PIN	1
12	12220-16030	SLEGER RING	1
13	11010-51230	BOLT	2
14	11400-10012	WASHER, Spring	2
15	11000-51020	BOLT	1
16	11400-10010	WASHER, Spring	1
17	19000-10100	CYLINDER ASSY	1

NOTE

0153- . with Breaker Circuit Type

Fig. 10-2 L/1

FIG. 11-1 CONTROL LEVER, TRACTION



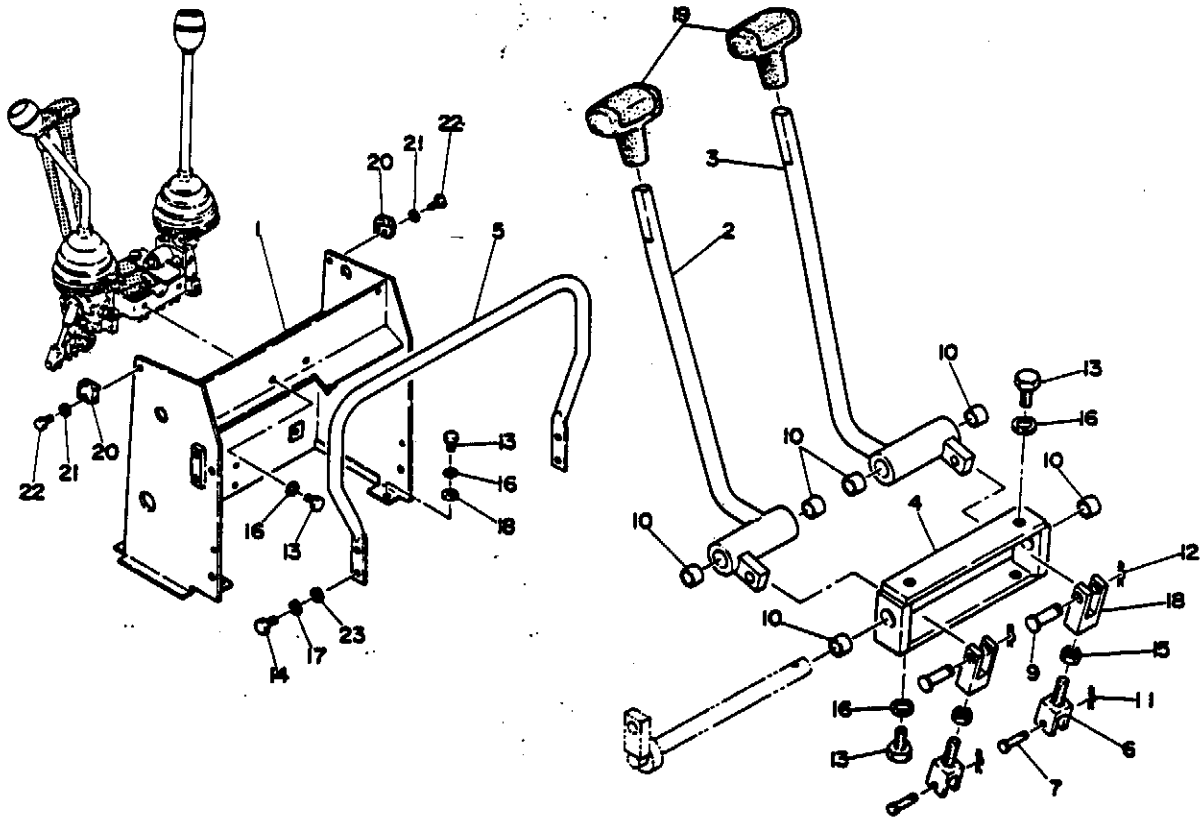
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-10100	STAND	1	
1	00632-10400	LEVER (R. H)	1	
1	00632-10500	LEVER (L. H)	1	
1	00632-20700	BRACKET	1	
1	00632-11300	POLE	1	
2	00932-22000	YOKE	2	
2	00040-05117	PIN	2	
2	00632-11900	YOKE	2	
2	00040-08021	PIN	2	
6	13330-01212	BUSHING	6	
2	12140-00005	PIN, Snap	2	
2	12140-00006	PIN, Snap	2	
8	11000-50020	BOLT	8	
4	11000-51020	BOLT	4	
2	11300-50008	NUT	2	
8	11400-10008	WASHER, Spring	8	
4	11400-10010	WASHER, Spring	4	
2	00036-00252	WASHER	2	
2	16501-14061	GRIP	2	
2	00602-12000	RUBBER	2	
2	11400-20005	WASHER, Spring	2	
2	11205-30510	SCREW, Pan Head	2	
2	11411-10010	WASHER, Plain	2	

NOTE

81-8395 (192) . . . Breaker Circuit Type

Fig. 11-1 1/1

FIG. 11-2 CONTROL LEVER, TRACTION



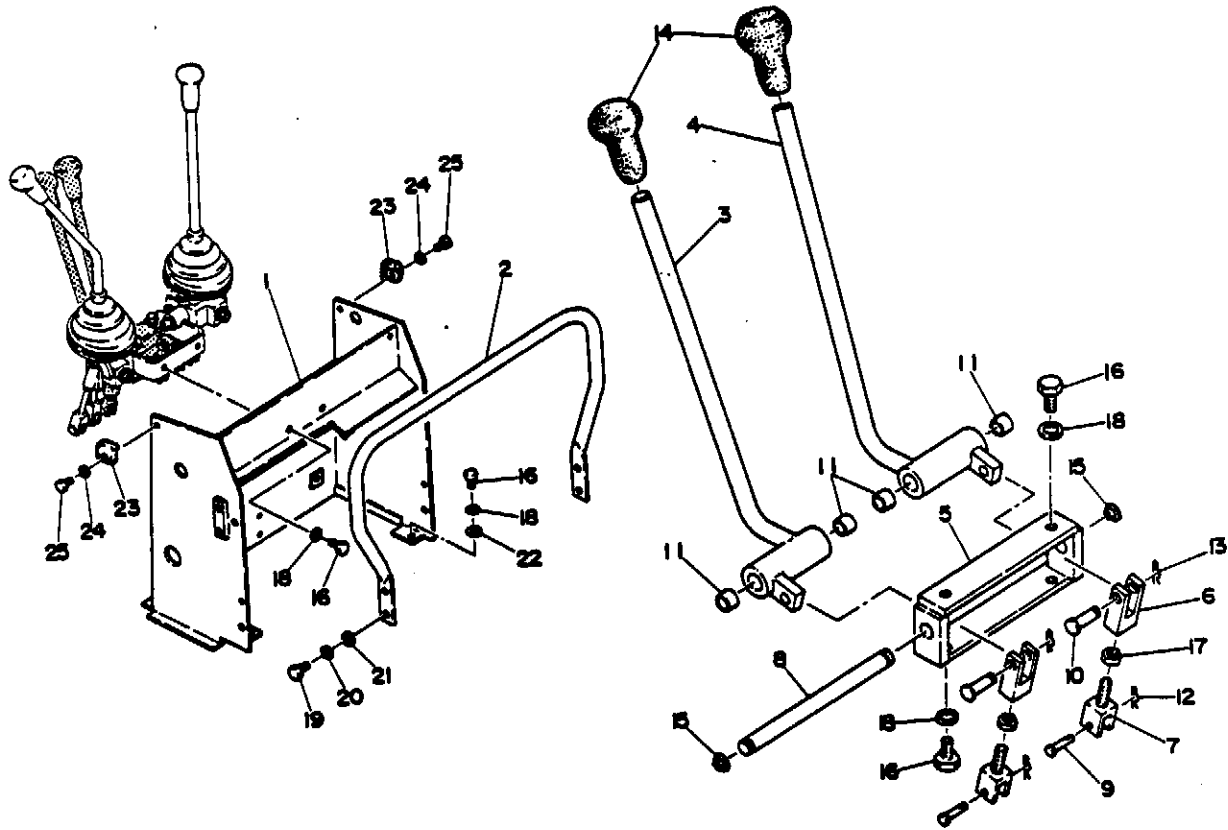
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00032-15100	STAND	1	
2	00032-16400	LEVER (R. ID)	1	
3	00032-16500	LEVER (L. ID)	1	
4	00032-20700	BRACKET	1	
5	00032-11300	POLE	1	
6	00032-22000	YOKE	2	
7	00040-05117	PIN	2	
8	00032-11900	YOKE	2	
9	00040-08021	PIN	2	
10	13330-01212	BUSHING	6	
11	12140-00005	PIN, Snap	2	
12	12140-00006	PIN, Snap	2	
13	11000-50020	BOLT	8	
14	11000-51020	BOLT	4	
15	11300-50008	NUT	2	
16	11400-10008	WASHER, Spring	8	
17	11400-10010	WASHER, Spring	4	
18	00036-08252	WASHER	2	
19	16502-00500	GRIP	2	
20	00002-12600	RUBBER	2	
21	11400-20005	WASHER, Spring	2	
22	11205-30510	SCREW, Pan Head	2	
23	11411-10010	WASHER, Plain	4	

NOTE

8336-1, 1/2 Breaker Circuit Type

Fig. 11-2 1/1

FIG. 11-3 CONTROL LEVER, TRACTION

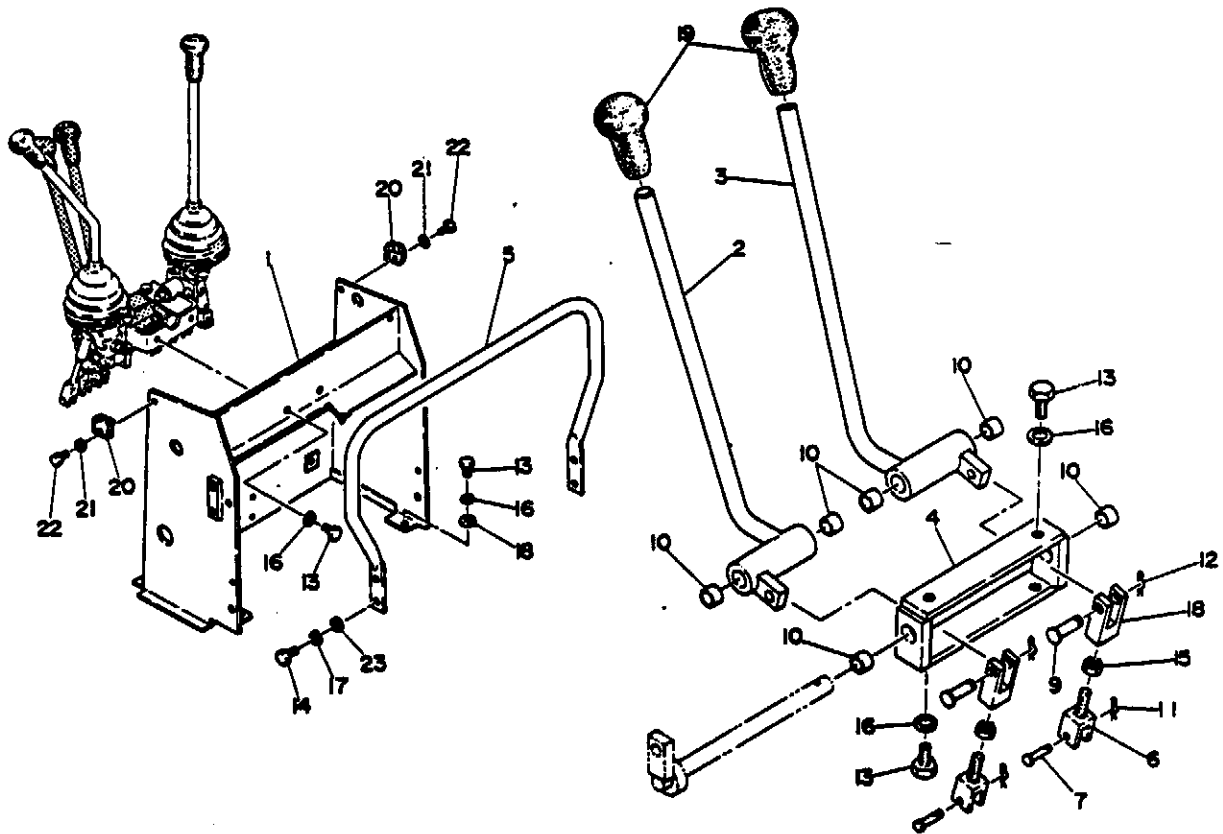


Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-10100	STAND	1
2	00632-11300	POLE	1
3	00632-10400	LEVER (R. H)	1
4	00632-10500	LEVER (L. H)	1
5	00632-10700	BRACKET	1
6	00632-11900	YOKE	1
7	00932-22000	YOKE	1
8	00042-12150	SHAFT	1
9	00040-08117	PIN	2
10	00040-08021	PIN	2
11	13330-01212	BUSHING	4
12	12140-00005	PIN, Snap	2
13	12140-00006	PIN, Snap	2
14	10501-14001	GRIP	2
15	12200-00012	RING, Snap	2
16	11000-50820	BOLT	8
17	11300-50000	NUT	2
18	11400-10000	WASHER, Spring	8
19	11000-41020	BOLT	4
20	11400-20010	WASHER, Spring	4
21	11411-10010	WASHER, Plain	4
22	00036-08252	WASHER	2
23	00882-12000	RUBBER	2
24	11400-20005	WASHER, Spring	2
25	11205-30510	SCREW, Pan Head	2

NOTE For Detail 51-#395

Fig. 11-3 L1

FIG. 11-4 CONTROL LEVER, TRACTION

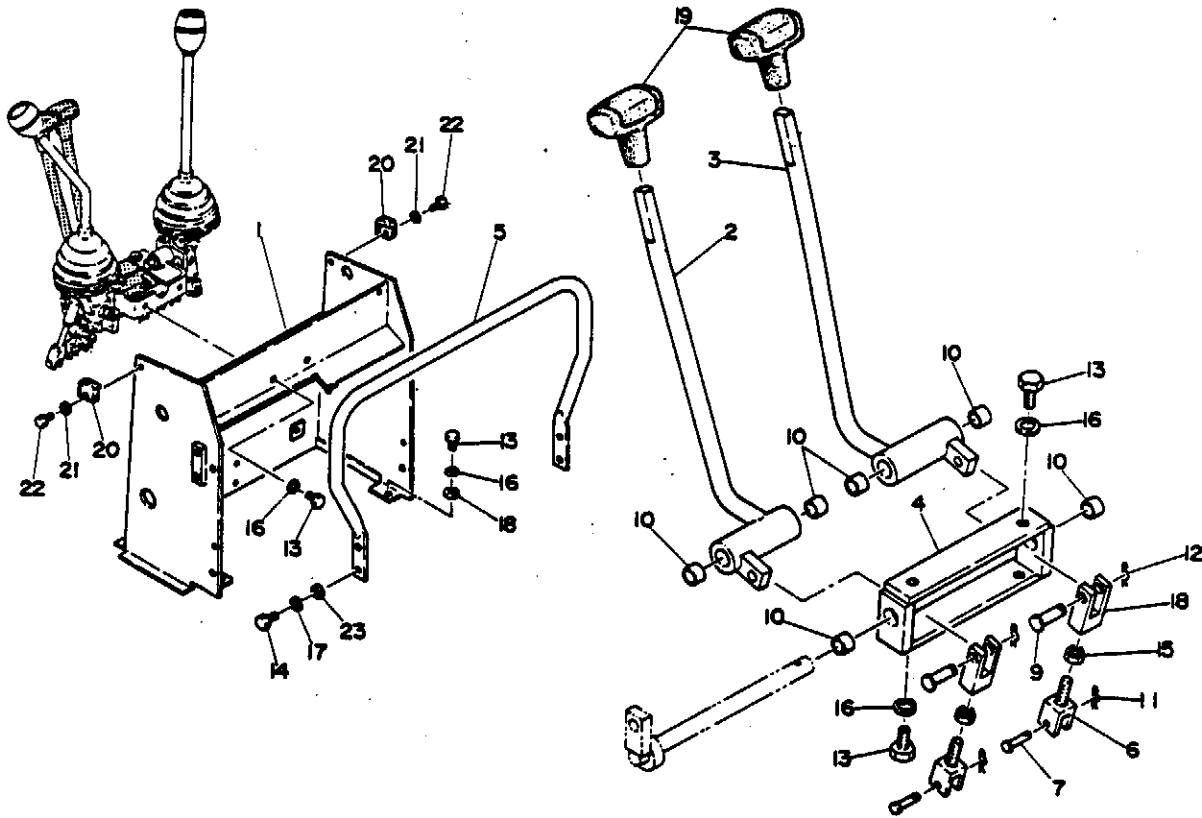


Qty	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-22100	STAND	1	
2	00632-10400	LEVER (R. ID)	1	
3	00632-10500	LEVER (L. ID)	1	
4	00632-20700	BRACKET	1	
5	00632-11300	POLE	1	
6	00932-22000	YOKE	2	
7	00040-05117	PIN	2	
8	00632-11900	YOKE	2	
9	00040-05021	PIN	2	
10	13320-01212	BUSHING	6	
11	12140-00005	PIN, Snap	2	
12	12140-00008	PIN, Snap	2	
13	11000-50020	BOLT	8	
14	11000-51020	BOLT	4	
15	11300-50000	NUT	2	
16	11400-10008	WASHER, Spring	8	
17	11400-10010	WASHER, Spring	4	
18	00036-08252	WASHER	2	
19	16501-14061	GRIP	2	
20	00682-12000	RUBBER	2	
21	11400-20005	WASHER, Spring	2	
22	11205-30510	SCREW, Pan Head	2	
23	11411-10010	WASHER, Plain	4	

NOTE

8193-8395, 4th Edition Circuit Type Fig. 11-4 L/1

FIG. 11-5 CONTROL LEVER, TRACTION



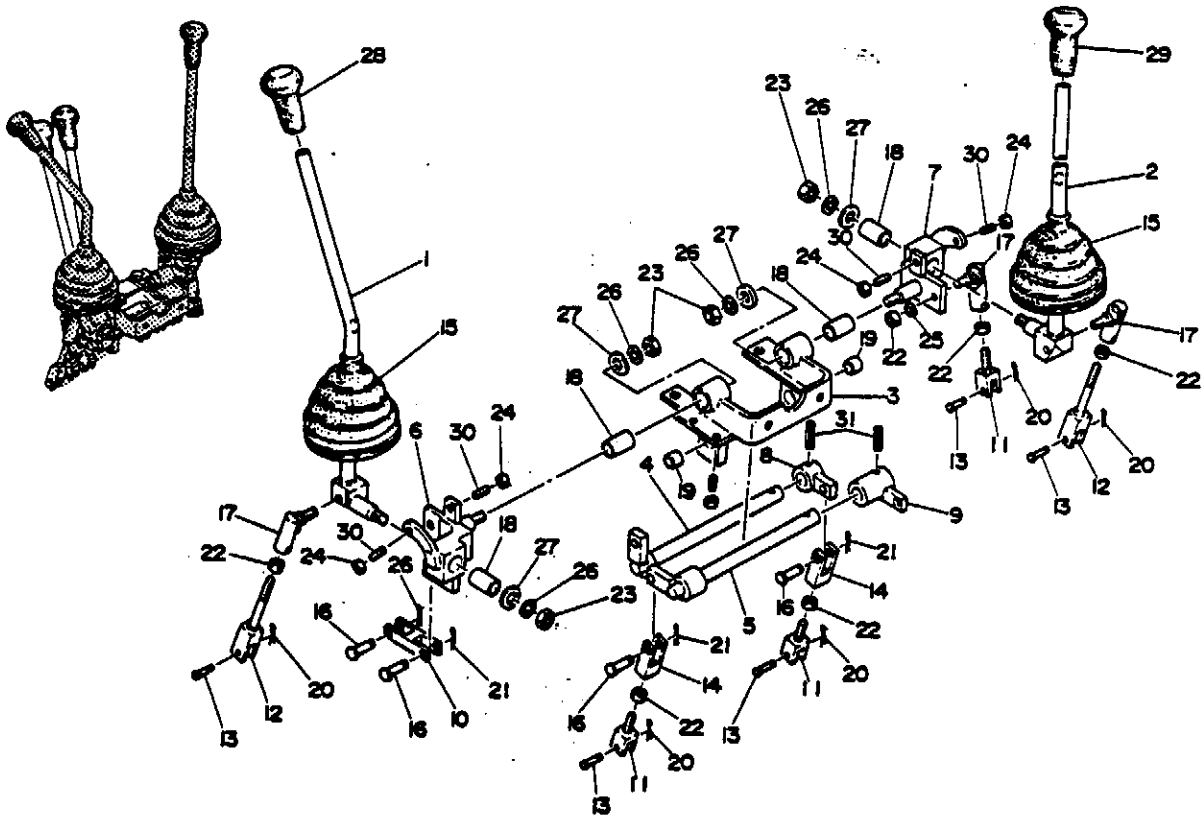
Qty	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-22100	STAND	1	
2	00632-16400	LEVER (R. H)	1	
3	00632-16500	LEVER (L. H)	1	
4	00632-20700	BRACKET	1	
5	00632-11300	POLE	1	
6	00932-22000	YOKE	2	
7	00040-05117	PIN	2	
8	00632-11900	YOKE	2	
9	00040-08021	PIN	2	
10	13330-01212	BUSHING	6	
11	12140-00005	PIN, Snap	2	
12	12140-00006	PIN, Snap	2	
13	11000-30820	BOLT	8	
14	11000-51020	BOLT	4	
15	11300-50008	NUT	2	
16	11400-10008	WASHER, Spring	8	
17	11400-10010	WASHER, Spring	4	
18	00036-08232	WASHER	2	
19	18502-00500	GRIP	2	
20	00682-12800	RUBBER	2	
21	11400-20005	WASHER, Spring	2	
22	11205-30510	SCREW, Pan Head	2	
23	11411-10010	WASHER, Plain	4	

NOTE

8396-1, with Breaker Circuit Type

Fig. 11-5 L/1

FIG. 12-1 CONTROL LEVER, OPERATION



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-10200	LEVER (R. HD)	1	
2	00632-20300	LEVER (L. HD)	1	
3	00632-20600	BRACKET	1	
4	00632-17100	LEVER	1	SIZE ~
	00632-21100	LEVER	1	#1-#125
5	00632-17200	LEVER	1	SIZE ~
	00632-21200	LEVER	1	#1-#125
6	00632-17400	ARM (R. H)	1	SIZE ~
	00632-21400	ARM (R. H)	1	#1-#125
7	00632-17500	ARM (L. H)	1	SIZE ~
	00632 11500	ARM (L. H)	1	#1-#125
8	00632-21600	LEVER	1	
9	00632-21700	LEVER	1	
10	00632-21800	YOKE	1	
11	00932 22000	YOKE	3	
12	00053-05100	ROD, Yoke	2	
13	00040-05117	PIN	5	
14	00632 11900	YOKE	2	
15	00932 21100	BOOT	2	
16	00040-08021	PIN	4	
17	13405-00080	ROD, End	3	
18	13330-01325	BUSHING	4	
19	13330-01212	BUSHING	2	
20	12140-00005	PIN, Snap	5	
21	12140-00006	PIN, Snap	4	

NOTE #1-#395 (192) . . . Breaker Circuit Type

Fig. 12-1 1/2

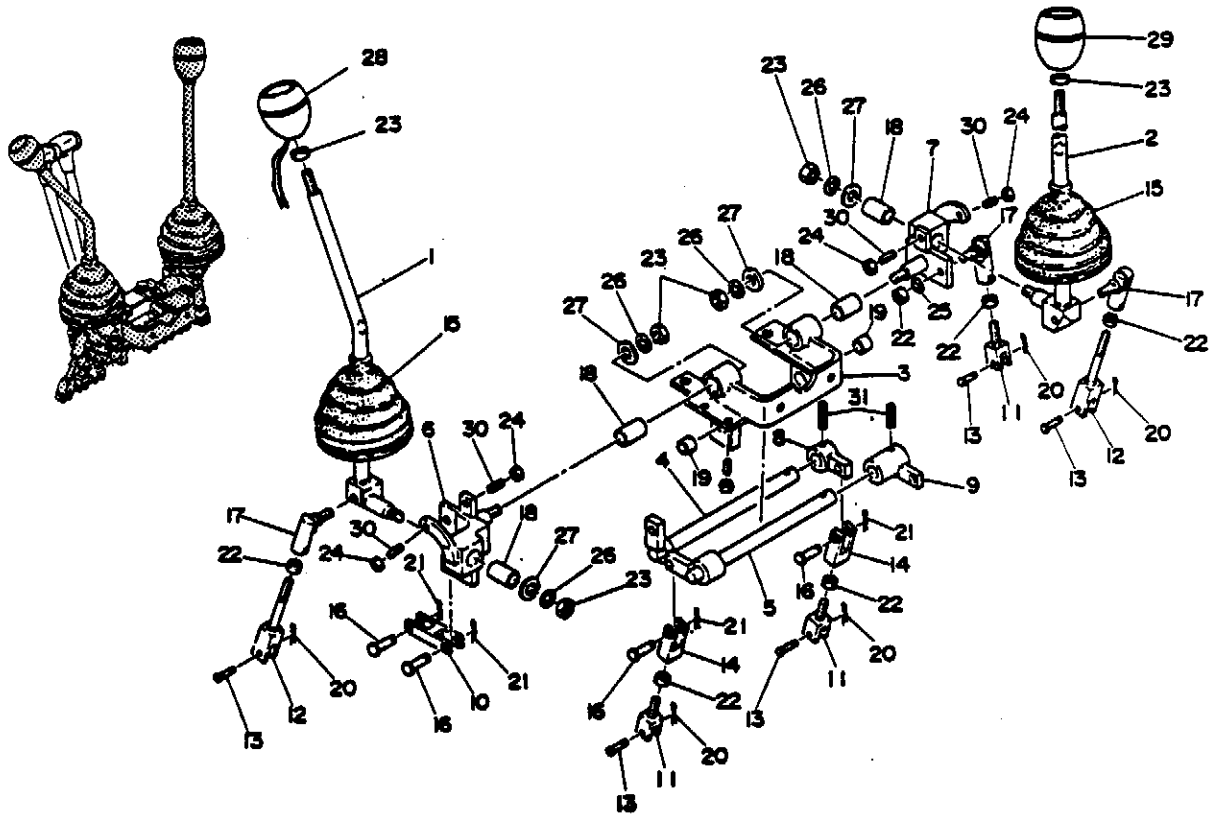
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
22	11300-50008	NUT	6	
23	11300-50010	NUT	4	
24	11300-50006	NUT	6	
25	11400-10008	WASHER, Spring	1	
26	11400-10010	WASHER, Spring	4	
27	11415-40010	WASHER	4	
28	16501-14001	GRIP	1	
29	16501-24001	GRIP	1	
30	11210-50016	SET SCREW	8	
31	12130-00525	PIN, Spring	2	

NOTE

#1-#395 (192) . . . Breaker Circuit Type

Fig. 12-1 2/2

FIG. 12-2 CONTROL LEVER, OPERATION



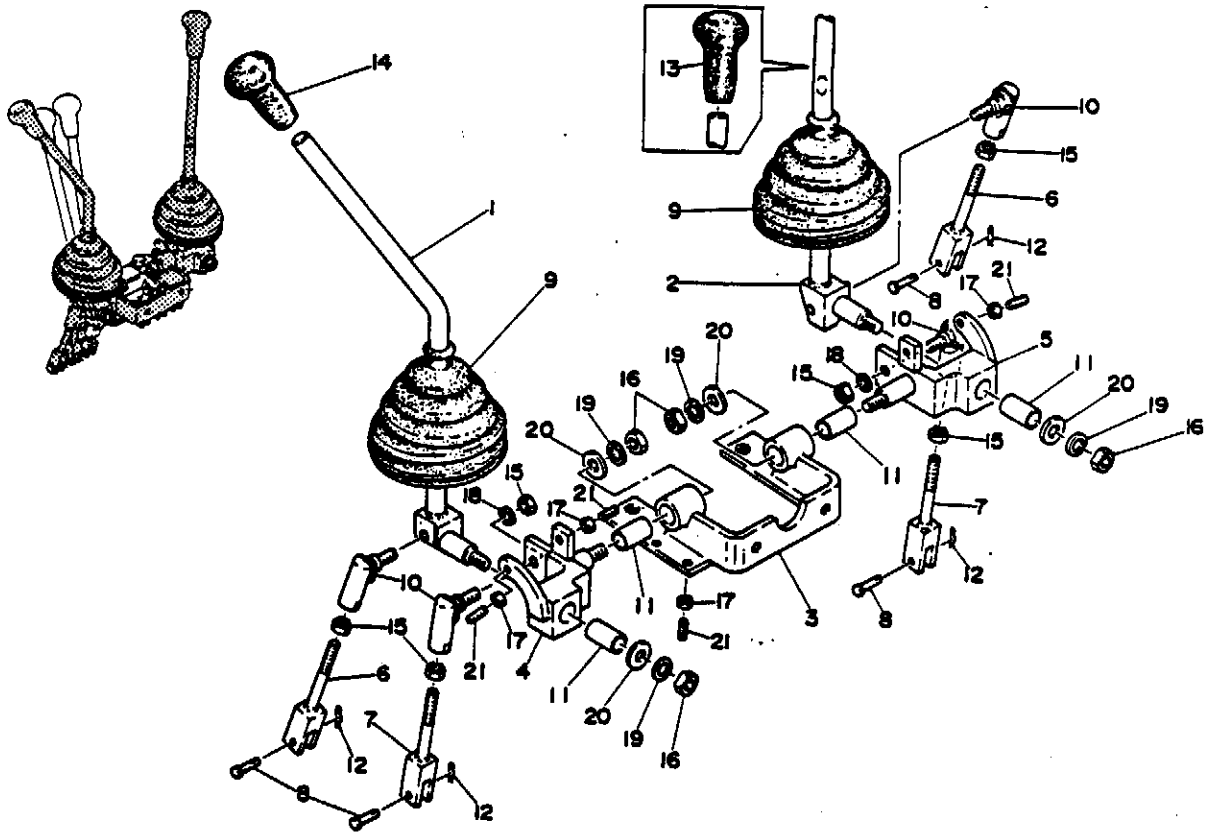
Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00032-15200	LEVER (R. ID)	1		25	11400-10010	WASHER, Spring	4	
2	00032-16300	LEVER (L. ID)	1		27	11415-40010	WASHER	4	
3	00032-20600	BRACKET	1		28	10502-01000	GRIP	1	
4	00032-17100	LEVER	1		29	10502-01100	GRIP	1	
5	00032-17200	LEVER	1		30	11210-50016	SET SCREW	6	
6	00032-17400	ARM (R. ID)	1		31	12130-00325	PIN, Spring	2	
7	00032-17500	ARM (L. ID)	1						
8	00032-21600	LEVER	1						
9	00032-21700	LEVER	1						
10	00032-21800	YOKE	1						
11	00032-22000	YOKE	3						
12	00053-05100	ROD, Yoke	2						
13	00040-05117	PIN	5						
14	00032-11500	YOKE	2						
15	00032-21100	BOOT	2						
16	00040-08021	PIN	4						
17	13405-00080	ROD, End	3						
18	13330-01525	BUSHING	4						
19	13330-01212	BUSHING	2						
20	12140-00005	PIN, Snap	5						
21	12140-00006	PIN, Snap	4						
22	11300-50006	NUT	6						
23	11300-50010	NUT	6						
24	11300-50006	NUT	2						
25	11400-10000	WASHER, Spring	1						

NOTE 0396-... ✓ Breaker Circuit Type FIG. 12-2 1/2

NOTE

0396-... ✓ Breaker Circuit Type FIG. 12-2 2

FIG. 12-3 CONTROL LEVER OPERATION



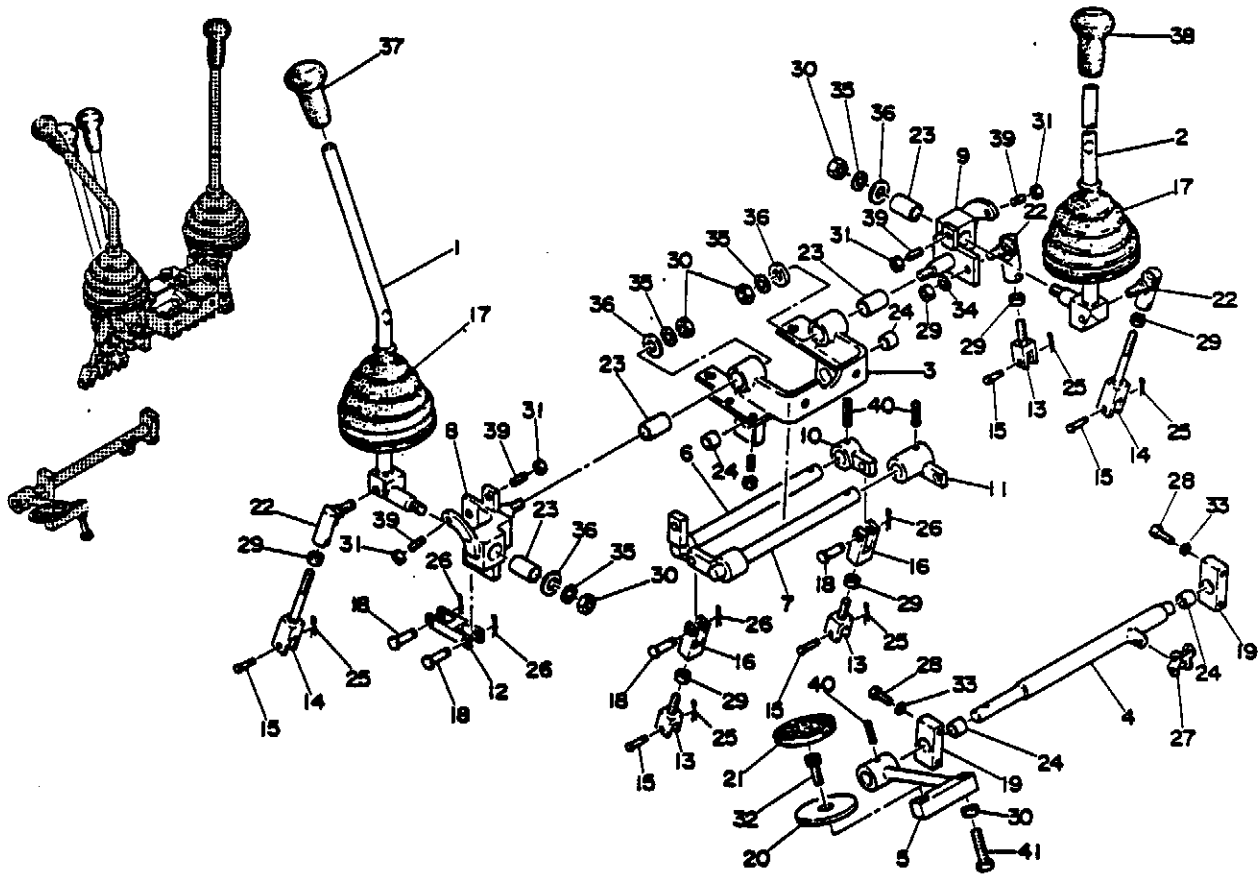
PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00632-10200 LEVER (R. H)	1	
2	00632-10300 LEVER (L. H)	1	
3	00632-10600 BRACKET	1	
4	00632-11400 ARM (R. H)	1	
5	00632-11500 ARM (L. H)	1	
6	00053-05105 ROD, Yoke	2	
7	00053 05100 ROD, Yoke	2	
8	00040-05117 PIN	4	
9	00932 21100 BOOT	2	
10	13405-00080 ROD, End	4	
11	13310 01525 BUSHING	4	
12	12140 00005 PIN, Soap	4	
13	16501 14061 GRIP	1	
14	16501 24061 GRIP	1	
15	11300 50008 NUT	6	
16	11300 50010 NUT	4	
17	11300 50006 NUT	6	
18	11400 10008 WASHER, Spring	2	
19	11400 10010 WASHER, Spring	4	
20	11415 40010 WASHER	4	
21	11210 50616 SET SCREW	8	

NOTE

For Detail #1-#395

Fig. 12-3 L/1

FIG. 12-4 CONTROL LEVER, OPERATION



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-10200	LEVER (R. H)	1	26	12140-00006	PIN, Snap	4
2	00632-20300	LEVER (L. H)	1	27	16200-50000	JOINT ASSY. Link	1
3	00632-20600	BRACKET	1	28	11000-50616	BOLT	4
4	00632-22300	LEVER, Breaker	1	29	11300-50008	NUT	6
5	00632-22400	PEDAL	1	30	11300-50010	NUT	5
6	00632-17100	LEVER	1	31	11300-50006	NUT	8
7	00632-17200	LEVER	1	32	11100-50820	BOLT, Socket	1
8	00632-17400	ARM (R. H)	1	33	11400-10006	WASHER, Spring	4
9	00632-17500	ARM (L. H)	1	34	11400-10008	WASHER, Spring	1
10	00632-21600	LEVER	1	35	11400-10010	WASHER, Spring	4
11	00632-21700	LEVER	1	36	11415 40010	WASHER	4
12	00632-21800	YOKE	1	37	16501 14061	GRIP	1
13	00932-22000	YOKE	3	38	16501-24061	GRIP	1
14	00053-05100	ROD, Yoke	2	39	11210-50616	SET SCREW	8
15	00040-05117	PIN	5	40	12130 00525	PIN, Spring	3
16	00632-11900	YOKE	2	41	11002-51040	BOLT	1
17	00932-21100	BOOT	2				
18	00040-00021	PIN	4				
19	00632-22600	CASE, Bearing	2				
20	01432-64400	WASHER	1				
21	01432-64600	COVER	1				
22	13405-00080	ROD, End	3				
23	13330-01525	BUSHING	4				
24	13330-01212	BUSHING	4				
25	12140-00006	PIN, Snap	5				

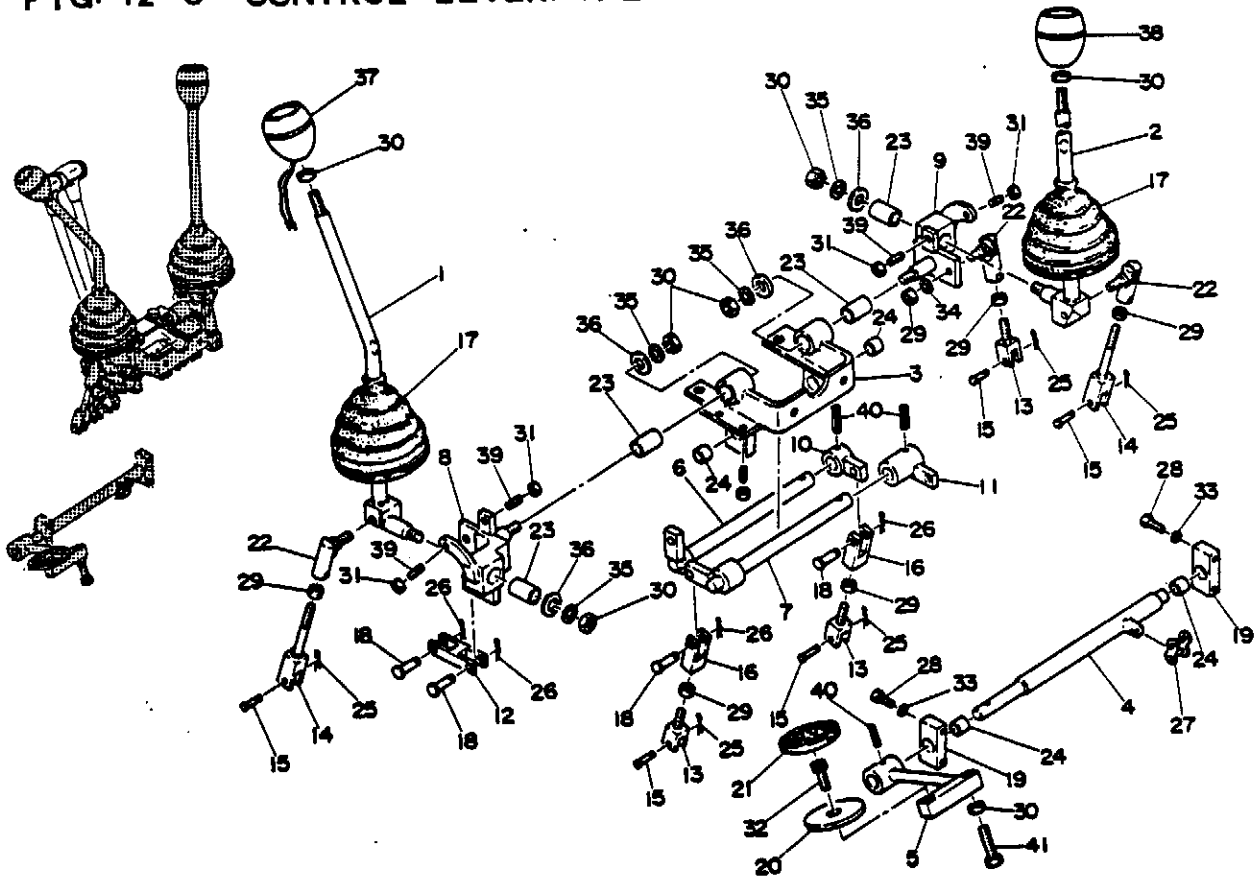
NOTE #193-#395, with Breaker Circuit Type

Fig. 12-4 1/2

NOTE

#193-#395, with Breaker Circuit Type Fig. 12-4 2/2

FIG. 12-5 CONTROL LEVER, OPERATION



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-15200	LEVER (R. H)	1
1	00632-16300	LEVER (L. H)	1
1	00632-20600	BRACKET	1
1	00632-22300	LEVER, Breaker	1
1	00632-22400	PEDAL	1
1	00632-17100	LEVER	1
1	00632-17200	LEVER	1
1	00632-17400	ARM (R. H)	1
1	00632-17500	ARM (L. H)	1
1	00632-21600	LEVER	1
1	00632-21700	LEVER	1
1	00632-21800	YOKE	1
3	00932-22000	YOKE	3
2	00053-05100	ROD, Yoke	2
5	00040-05117	PIN	5
2	00632-11900	YOKE	2
2	00932-21100	BOOT	2
4	00040-08021	PIN	4
2	00632-22600	CASE, Bearing	2
1	01432-64400	WASHER	1
1	01432-64800	COVER	1
3	13405-00000	ROD, End	3
4	13330-01525	BUSHING	4
4	13330-01212	BUSHING	4
5	12140-00005	PIN, Soap	5

NOTE 8396~, with Breaker Circuit Type

Fig.12-5 1/2

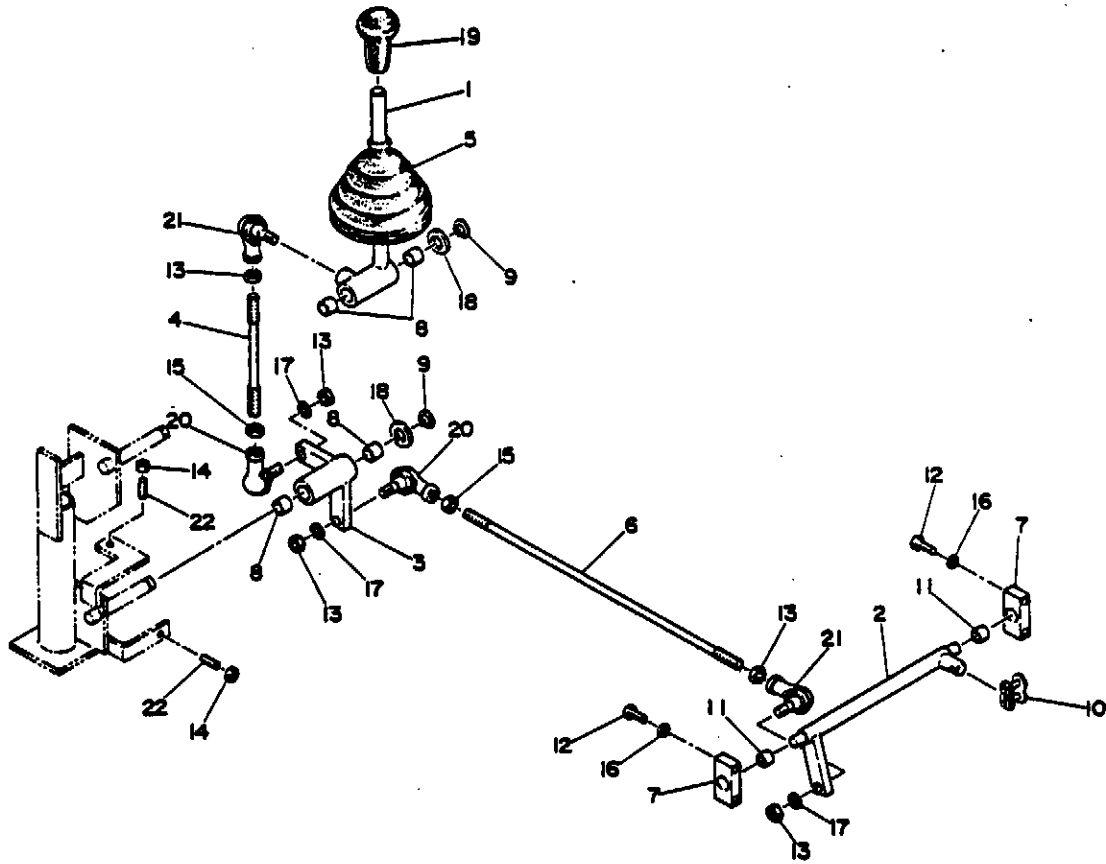
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
4	12140-00005	PIN, Soap	4
1	15200-50000	JOINT ASSY, Link	1
4	11000-50616	BOLT	4
6	11300-50000	NUT	6
7	11300-50010	NUT	7
8	11300-50006	NUT	8
1	11100-50020	BOLT, Socket	1
4	11400-10006	WASHER, Spring	4
1	11400-10008	WASHER, Spring	1
4	11400-10010	WASHER, Spring	4
4	11415-40010	WASHER	4
1	16502-01000	GRIP	1
1	16502-01100	GRIP	1
8	11210-50616	SET SCREW	8
3	12130-00525	PIN, Spring	3
1	11002-51040	BOLT	1

NOTE

8396~, with Breaker Circuit Type

Fig.12-5 2/2

FIG. 13-1 CONTROL LEVER, BLADE



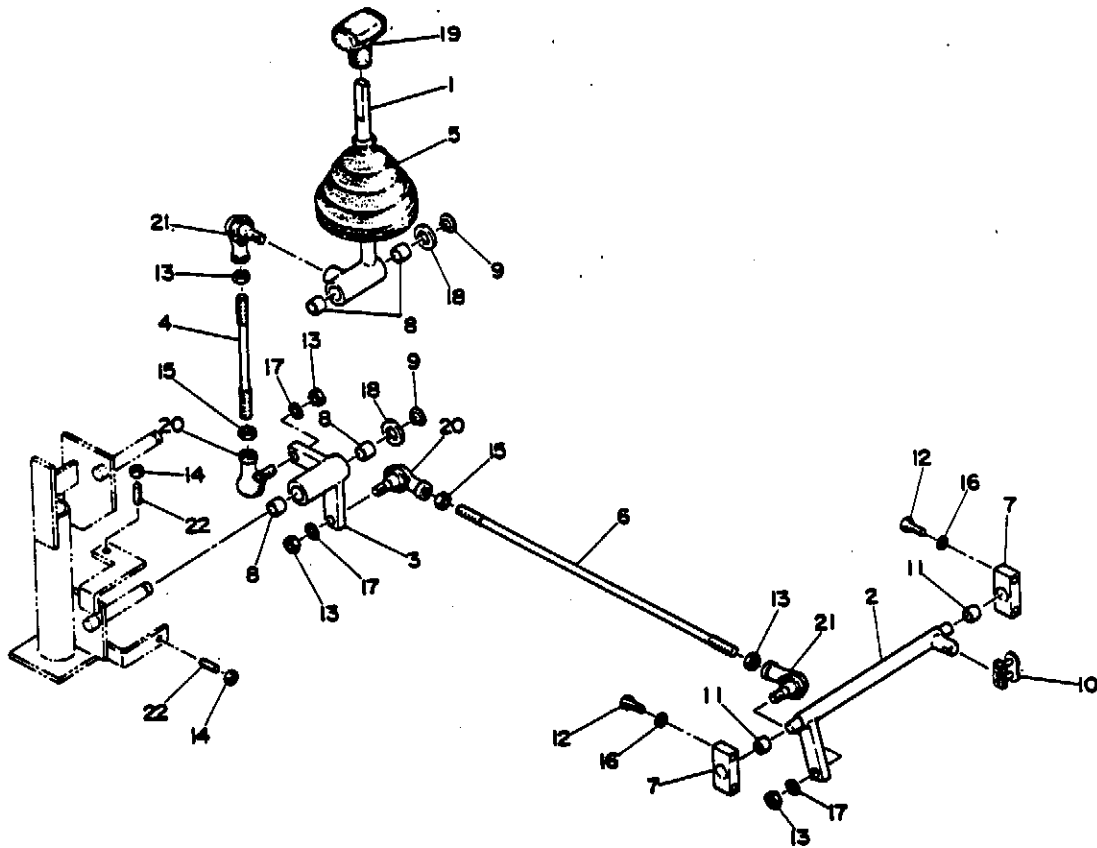
Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00632-11800	LEVER, Blade	1	
1	00632-10900	LEVER	1	
1	00632-11700	LEVER	1	
1	00050-08140	ROD	1	
1	00932-21100	BOOT	1	
1	00050-08385	ROD	1	
2	00632-12000	CASE, Bearing	2	
4	13330-01212	BUSHING	4	
2	12200-00012	RING, Saep	2	
1	16200-30000	JOINT ASSY, Link	1	
2	13330-01010	BUSHING	2	
4	11000-50616	BOLT	4	
3	11300-50008	NUT	3	
2	11300-50006	NUT	2	
2	11315-50008	NUT	2	
4	11400-10006	WASHER, Spring	4	
3	11400-10008	WASHER, Spring	3	
2	11415-40012	WASHER	2	
1	10301-14001	GRIP	1	
2	13400-00085	ROD, End	2	
2	13400-00086	ROD, End	2	
2	11210-50620	SET SCREW	2	

NOTE

#1 ~ #4 / 6 Encoder Circuit Type

FIG. 13-1 L/1

FIG. 13-2 CONTROL LEVER, BLADE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-15800	LEVER, Blade	1	
1	00632-10900	LEVER	1	
1	00632-11700	LEVER	1	
1	00950-08140	ROD	1	
1	00932-21100	BOOT	1	
1	00050-08385	ROD	1	
2	00632-12000	CASE, Bearing	2	
4	13330-01212	BUSHING	4	
2	12200-00612	RING, Snap	2	
1	10200-30000	JOINT ASSY, Link	1	
2	13330-01010	BUSHING	2	
4	11300-50616	BOLT	4	
5	11300-50902	NUT	5	
2	11300-50006	NUT	2	
2	11315-50002	NUT	2	
4	11400-10006	WASHER, Spring	4	
3	11400-10004	WASHER, Spring	3	
2	11413-10012	WASHER	2	
1	16504-00500	GRIP	1	
2	13400-00085	ROD, End	2	
2	13400-00080	ROD, End	2	
2	11210-50620	SET SCREW	2	

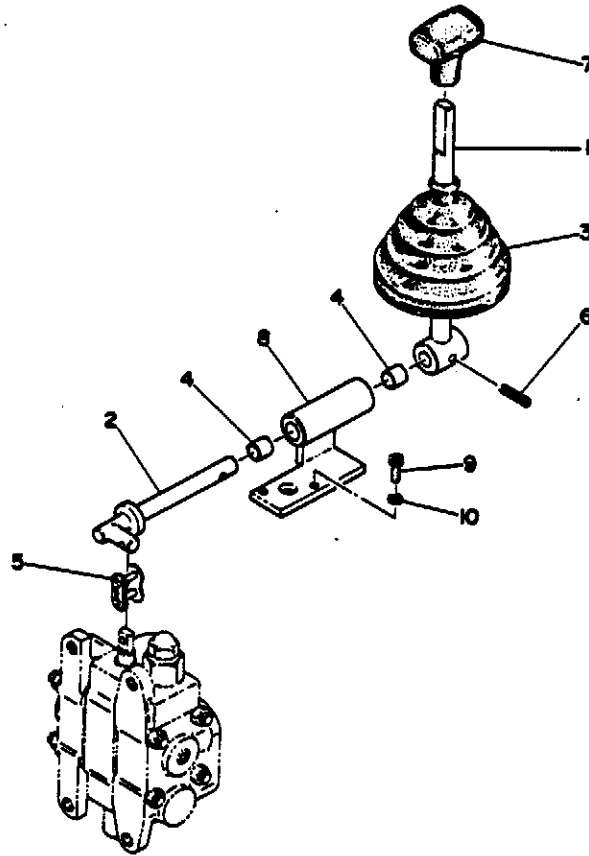
NOTE

• / • Brazzer Circuit Type

FIG. 13-2 L/1

41

FIG. 13-3 CONTROL LEVER, BLADE



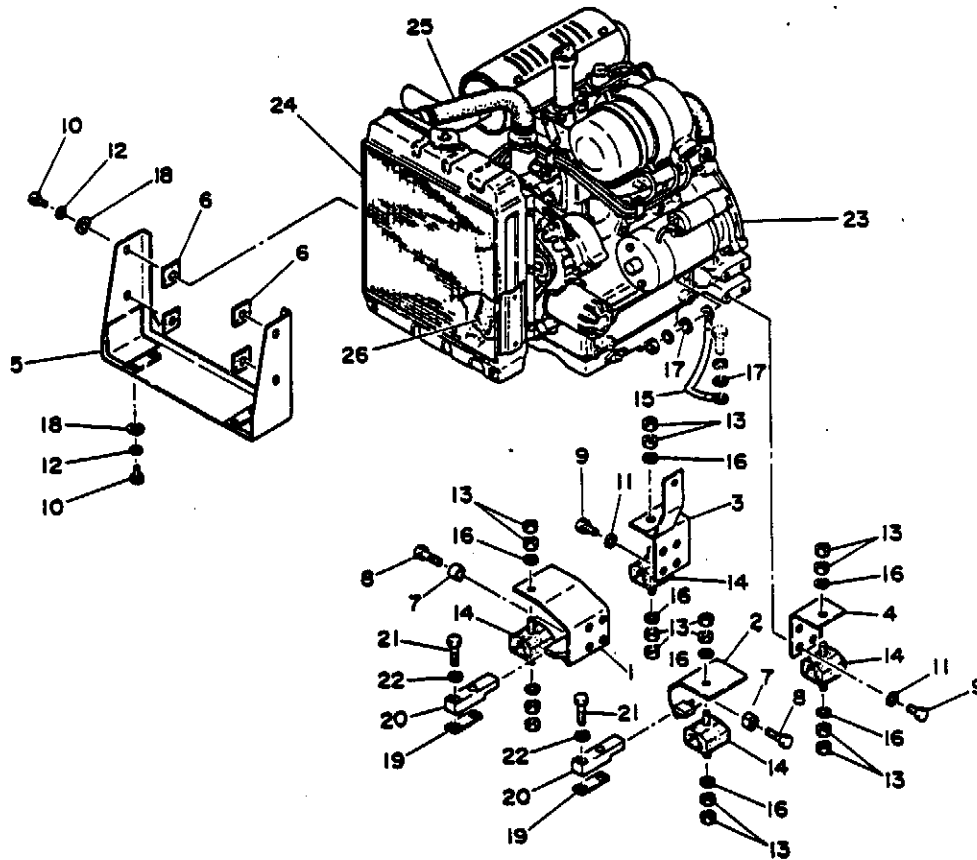
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-22200	LEVER, Blade	1	
2	00632-22500	LEVER	1	
3	00932-21100	BOOT	1	
4	13330-01212	BUSHING	2	
5	16200-30000	JOINT ASSY. Link	1	
6	12130 00923	PIN, Spring	1	
7	16502 00300	GRIP	1	
8	00632 22700	BRACKET	1	
9	11100 30513	BOLT, Socket	2	
10	11400 10005	WASHER, Spring	2	

NOTE

#193- with Breaker Circuit Type

Fig. 13-3 L/1

FIG. 14-1 ENGINE & ACCESSORIES



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00640-11500	FOOT, Engine	1		1	***** HOSE		1	
2	00640-11600	FOOT, Engine	1						
3	00640-11300	FOOT, Engine	1						
4	00640-11400	FOOT, Engine	1						
5	00640-10500	BRACKET	1						
6	01640-10900	PLATE, Rubber	4						
7	00640-11700	SHIM	8						
8	11000-41240	BOLT	8						
9	11000-41225	BOLT	8						
10	11000-50820	BOLT	2						
11	11400-10012	WASHER, Spring	8						
12	11400-10003	WASHER, Spring	8						
13	11300-40010	NUT	16						
14	16510-81360	RUBBER, Cushion	4						
15	17021-10280	CABLE, Earth	1						
16	11400-10010	WASHER, Spring	2						
17	02640-01300	WASHER	2	#1-#122					
18	00036-08252	WASHER	8						
19	01140-55300	SHIM	4						
20	00640-11800	STOPPER	2						
21	11000-51245	BOLT	4						
22	11415-40010	WASHER	4						
23	*****	ENGINE	1						
24	*****	RADIATOR	1	T12107-4400					
25	*****	HOSE	1						

NOTE #1-#126

FIG. 14-1 L/2

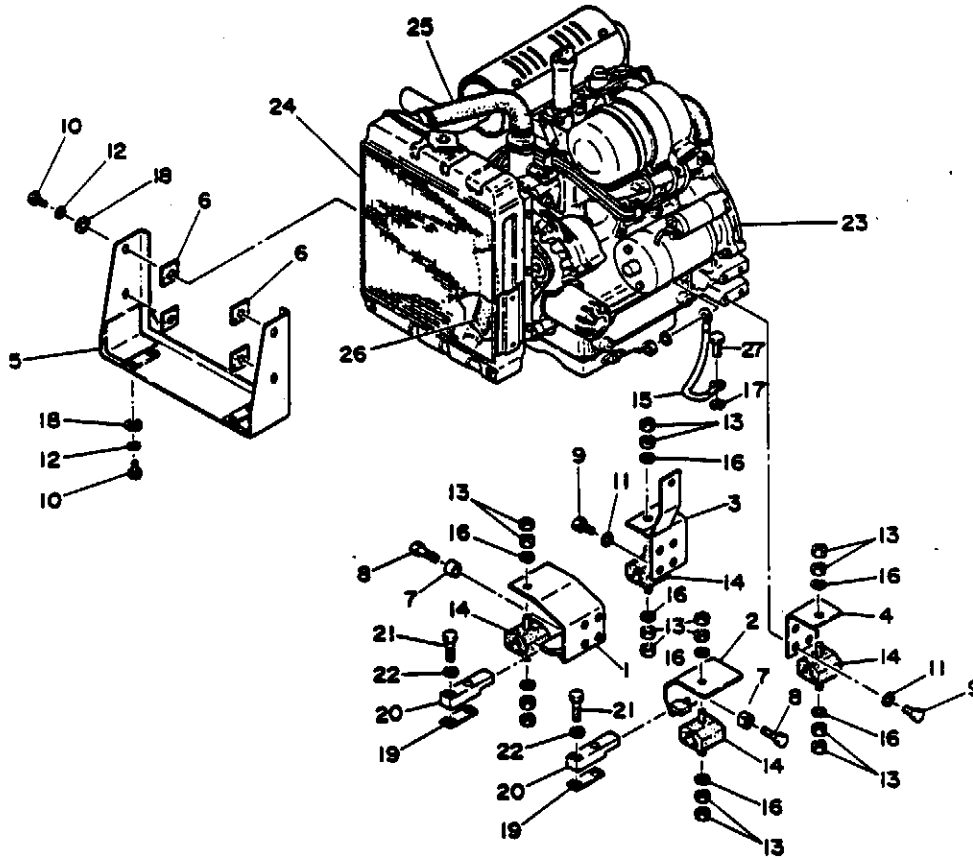
NOTE

#1-#126

FIG. 14-1 R/2

43

FIG. 14-2 ENGINE & ACCESSORIES



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00640-11300	FOOT, Engine		2	*****	HOSE	
2	00640-11600	FOOT, Engine		27	11000-41016	BOLT	#127-
3	00640-11300	FOOT, Engine					
4	00640-11400	FOOT, Engine					
5	00640-10300	BRACKET					
6	01640 10900	PLATE, Rubber					
7	00640 11700	SHIM					
3	11000-41240	BOLT					
9	11000 41225	BOLT					
10	11000-50820	BOLT					
11	11400 10012	WASHER, Spring					
12	11400 10008	WASHER, Spring					
13	11300 40010	NUT					
14	16510-81360	RUBBER, Cushion					
15	17024 30280	CABLE, Earth					
16	11400 10010	WASHER, Spring					
17	11403 30010	WASHER	#130-				
18	00636 00232	WASHER					
19	01446 53300	SHIM	#				
20	00640 11800	STOPPER	2				
21	11000 51245	BOLT	4				
22	11415-40012	WASHER	4				
23	*****	ENGINE	1	#127-			
24	*****	RADIATOR	1	Y12507-4600			
25	*****	HOSE	1				

NOTE #127-

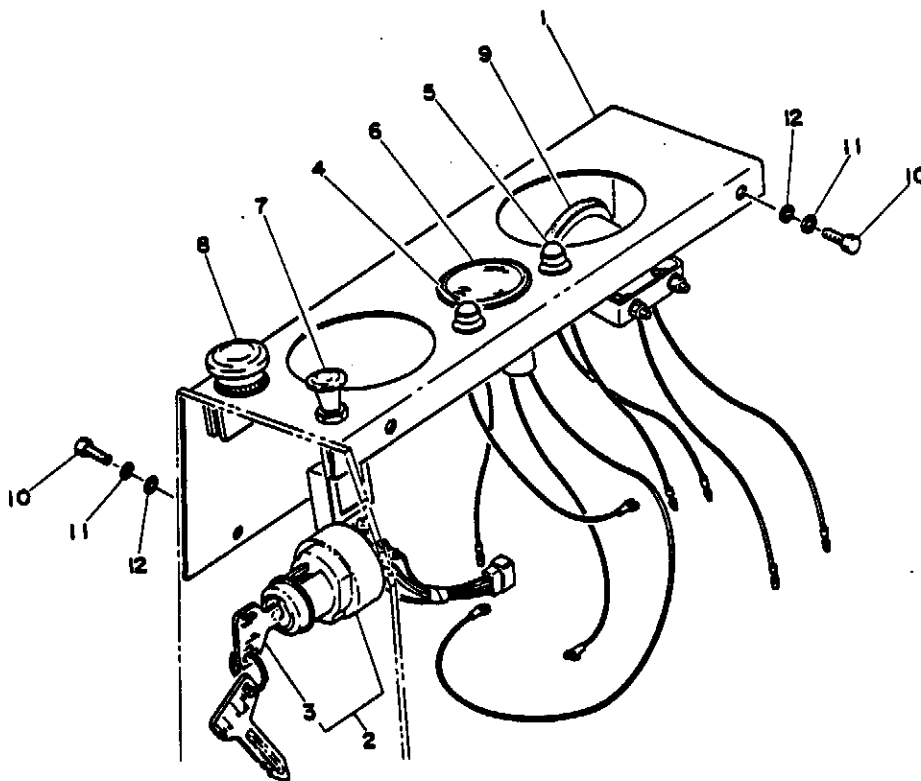
FIG. 14-2 L/2

NOTE

#128-

FIG. 14-2 2/2

FIG. 15-1 CONTROL BOX



Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00643-10300	PANEL, Control	1	
2	*****	SWITCH ASSY, Starter	1	Y93310-00200
	*****	SWITCH ASSY, Starter	1	Y11320-77631
3	*****	*KEY	1	New Type
	*****	*KEY	1	Old Type
4	*****	LAMP, Charge	1	Y12473-77720
5	*****	LAMP, Oil	1	Y12473-77970
6	*****	THERMOMETER	1	Y12473-77650
7	17010 00102	SWITCH, Light	1	
8	17000 01211	SWITCH, Horn	1	#1 -#325
9	17300 85970	METER, Hour	1	
10	11000 30616	BOLT	4	
11	11400 20006	WASHER, Spring	4	
12	11411 10006	WASHER, Plain	4	

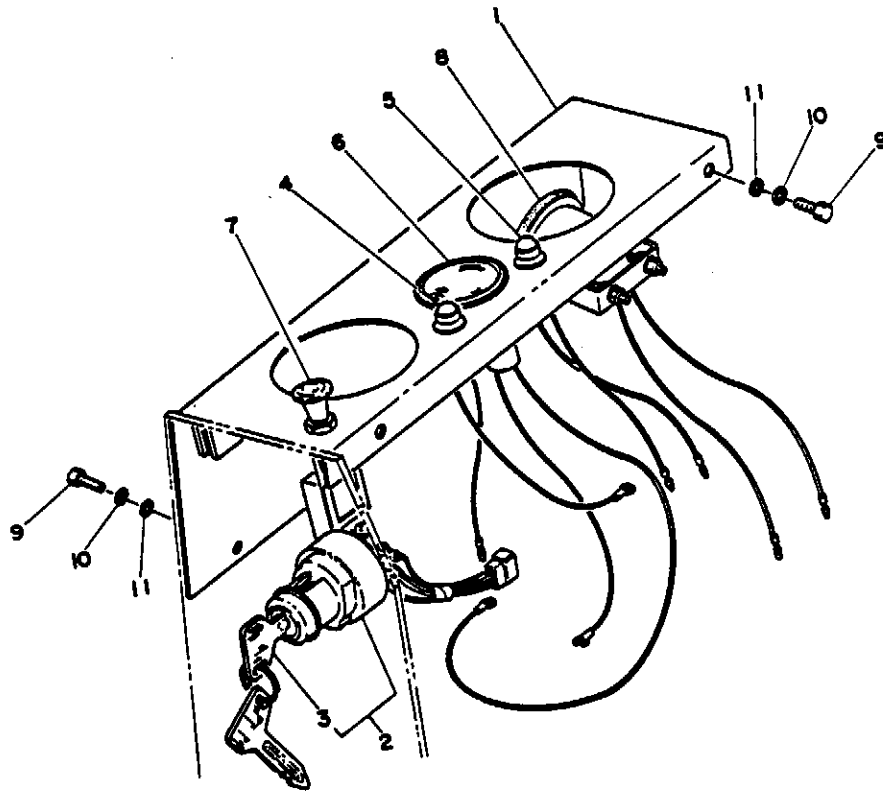
NOTE

#1~#395

(Item 2 Y93310-00200...New Type, Y11320-77631...Old Type

Fig. 15-1 L/1

FIG. 15-2 CONTROL BOX



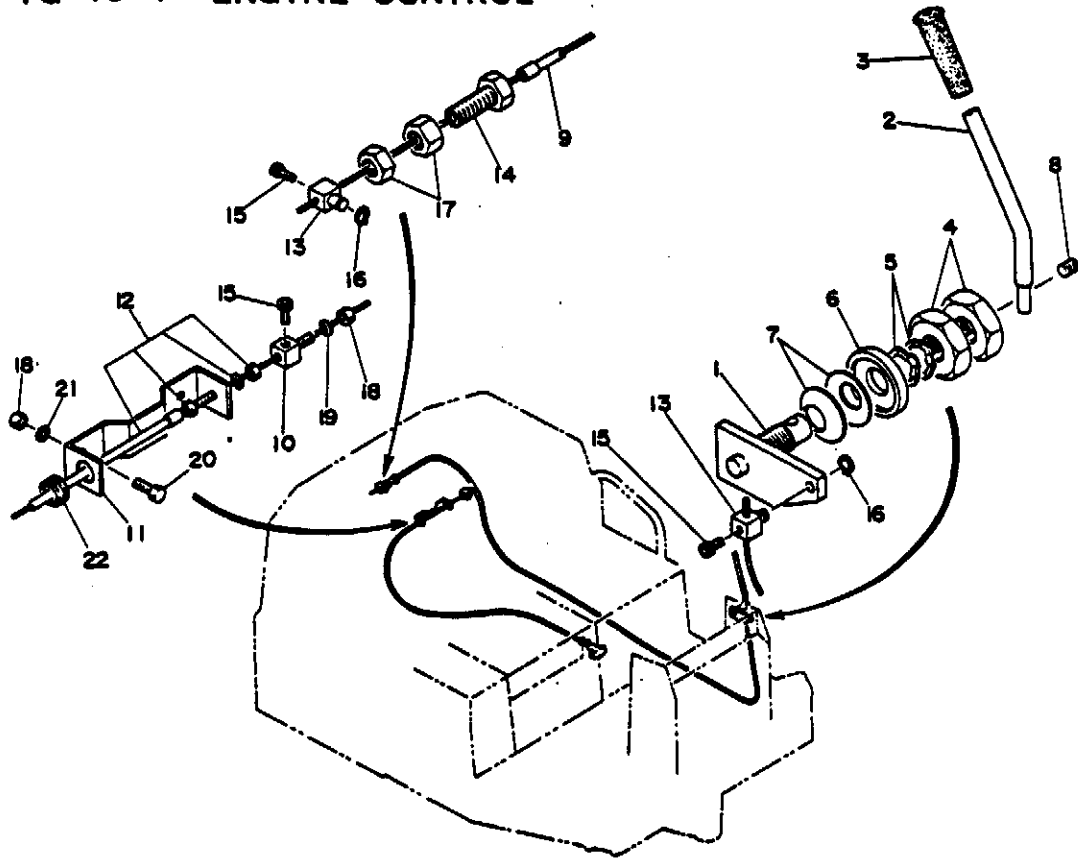
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00643-13100	PANEL, Control	1	
1	*****	SWITCH ASSY, Starter	1	V134732-77720
1	*****	*KEY	1	
1	*****	LAMP, Charge	1	V134732-77720
1	*****	LAMP, Oil	1	V134732-77720
1	*****	THERMOMETER	1	V134732-77720
1	17010-00102	SWITCH, Light	1	
1	17300-85970	METER, Hour	1	
4	11000-30616	BOLT	4	
4	11400-20006	WASHER, Spring	4	
4	11411-10006	WASHER, Plain	4	

NOTE

8398-

FIG. 15-2 L/1

FIG. 16-1 ENGINE CONTROL



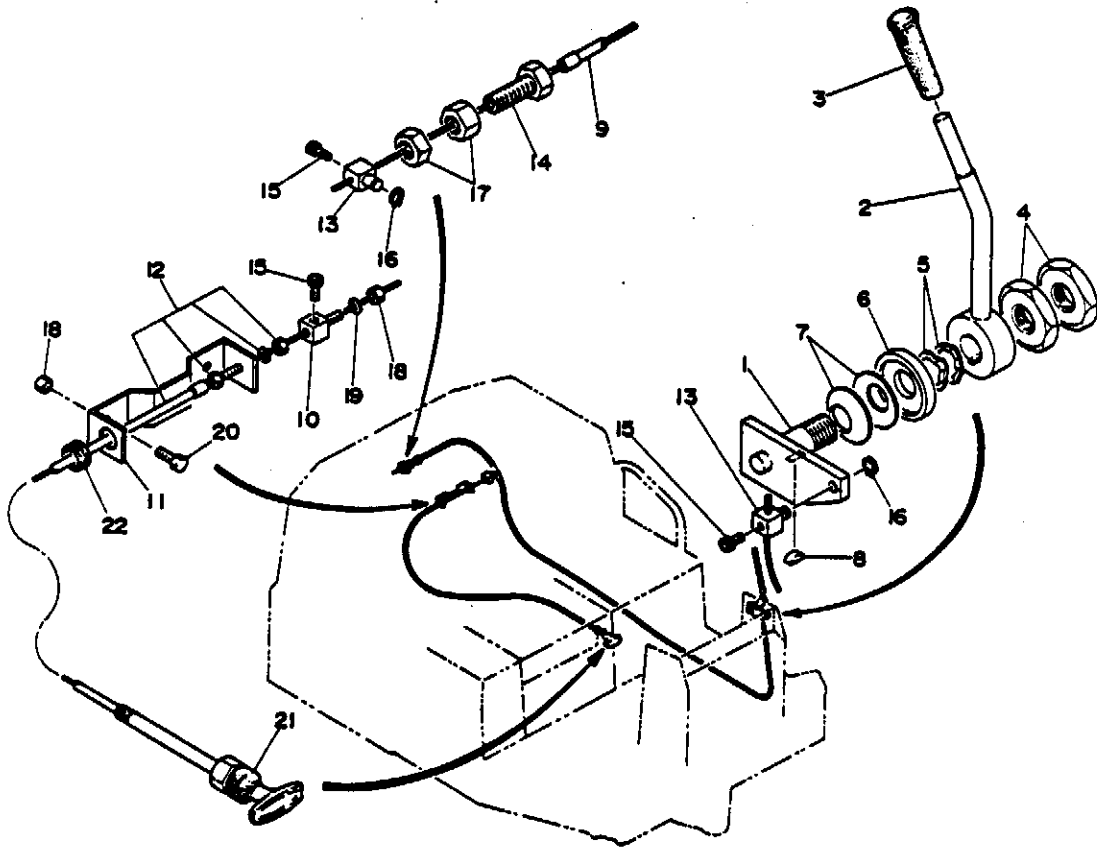
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00641-90000	CONTROL ASSY. Engine	1	
1	00641-11300	*LEVER	1	
2	00641-11600	*LEVER	1	
3	16501-42050	*GRIP	1	
4	00641-11700	*NUT	2	
5	12250-00018	*WASHER	2	
6	00641-21800	*WASHER	1	
7	12251-20018	*SPRING, Conical	2	
8	11210-40808	*SET SCREW	1	
9	00641-10100	CABLE, Control	1	
10	00641-10200	PIN	1	
11	00641-10300	BRACKET	1	
12	00641-10400	CABLE, Decomp.	1	
13	00079-00003	PIN	2	
14	00079-00002	BOLT	1	
15	11100-40510	BOLT, Socket	3	
16	12200-10008	HING, Snap	2	
17	11300-30012	NUT	2	
18	11300-30006	NUT	3	
19	11411-10006	WASHER, Plain	1	
20	11000-30614	BOLT	2	
21	11400-20006	WASHER, Spring	2	
22	16520-00802	GROMMET	1	

NOTE

81-8175

Fig. 16-1 L1

FIG. 16-2 ENGINE CONTROL



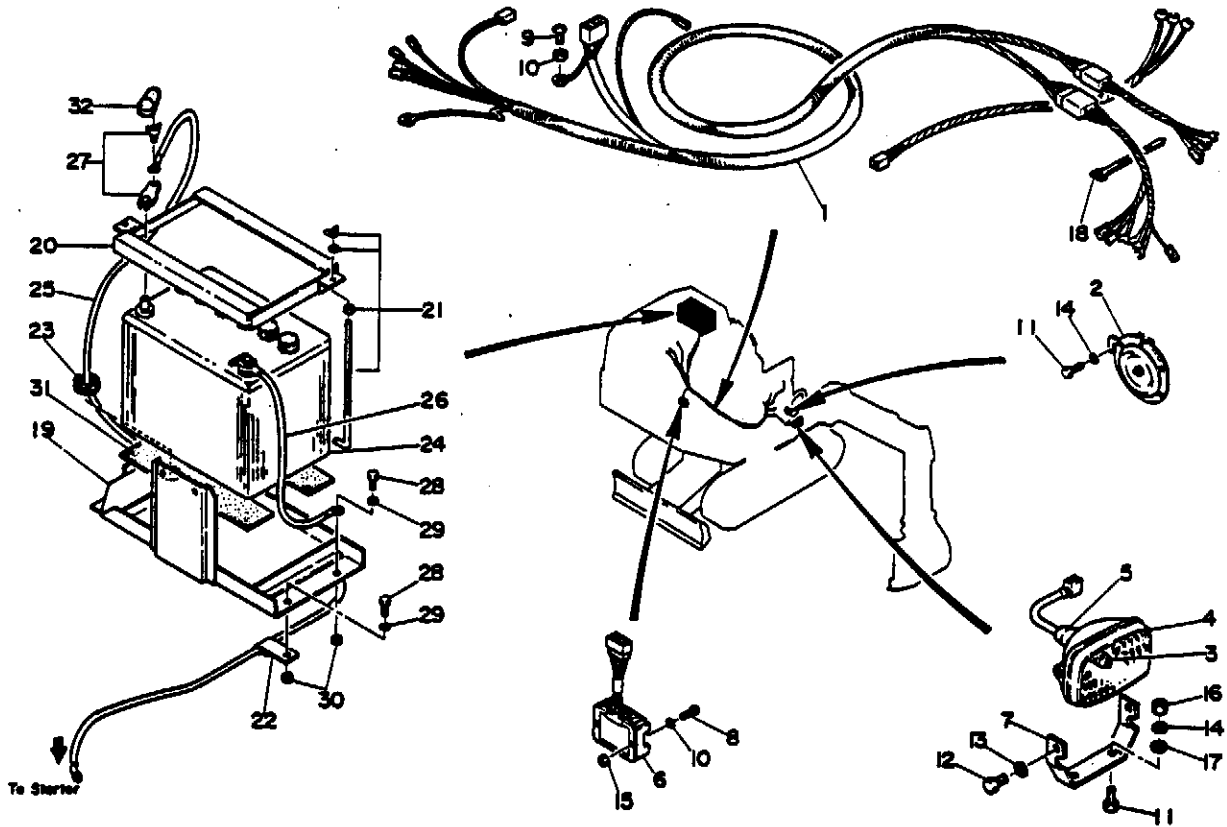
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00641-90010	CONTROL ASSY. Engine	1	
1	00641-23200	*LEVER	1	
2	00641-23100	*LEVER	1	
3	16501-42850	*GRIP	1	
4	00641-11700	*NUT	2	
5	12250-00018	*WASHER	2	
6	00641 21800	*WASHER	1	
7	12251-20018	*SPRING, Conical	2	
8	12030 40413	*KEY	1	
9	00641 10100	CABLE, Control	1	
10	00641 10200	PIN	1	
11	00641-10300	BRACKET	1	
12	00641-10400	CABLE, Decomp.	1	
13	00079-00003	PIN	2	
14	00079-00002	BOLT	1	
15	11100-40510	BOLT, Socket	3	
16	12200-10000	RING, Snap	2	
17	11300-30012	NUT	2	
18	11300-30006	NUT	3	
19	11411-10006	WASHER, Plain	1	
20	11000-30614	BOLT	2	
21	00943-50500	COVER	1	
22	16520-00802	GROMMET	1	

NOTE

#170-

FIG. 16-2/1

FIG. 17-1 ELECTRICALS



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00642-90010	HARNES. Wiring	1	#19-#238	2	17021-00220	BOLT, Hook	2	
	00642-90000	HARNES. Wiring	1	#1-#18	22	00073-00011	CLAMP	1	
2	17035-00412	HORN	1	#170-	23	16520-02202	GROMMET	1	
	17035-00312	HORN	1	#19-#177	24	17020-00060	BATTERY	1	
	17035-00112	HORN	1	#1-#18	25	17025-30095	CABLE, Battery	1	
0-1	17030-00100	LAMP ASSY	1		26	17022-30340	CABLE, Earth	1	
3	17030-00103	*BULB	1		27	17023-00513	TERMINAL	1	
4	17030-00101	*LAMP	1		28	11000-50816	BOLT	4	
5	17030-00102	*HARNES. Light	1		29	11400-10008	WASHER, Spring	4	
6	00000-00000	LIMITER, Current	1	112160-7711	30	11300-50008	NUT	4	
7	00642-10300	BRACKET	1		31	16547-03000	RUBBER	2	
8	11205-30635	SCREW, Pan Head	2		32	17025-20060	CAP	1	#127-
9	11205-30610	SCREW, Pan Head	1						
10	11400-10006	WASHER, Spring	3						
11	11000-40816	BOLT	3						
12	11000-41020	BOLT	2						
13	11400-10010	WASHER, Spring	2						
14	11400-20008	WASHER, Spring	3						
15	11300-30006	NUT	2						
16	11300-40008	NUT	2						
17	11411-10008	WASHER, Plain	2						
18	16522-00003	BAND	2						
19	00644-12100	STAND		#127-					
	00644-11100	STAND		#1-#126					
20	00644-11200	HOLDER		#1					

NOTE #1-#130

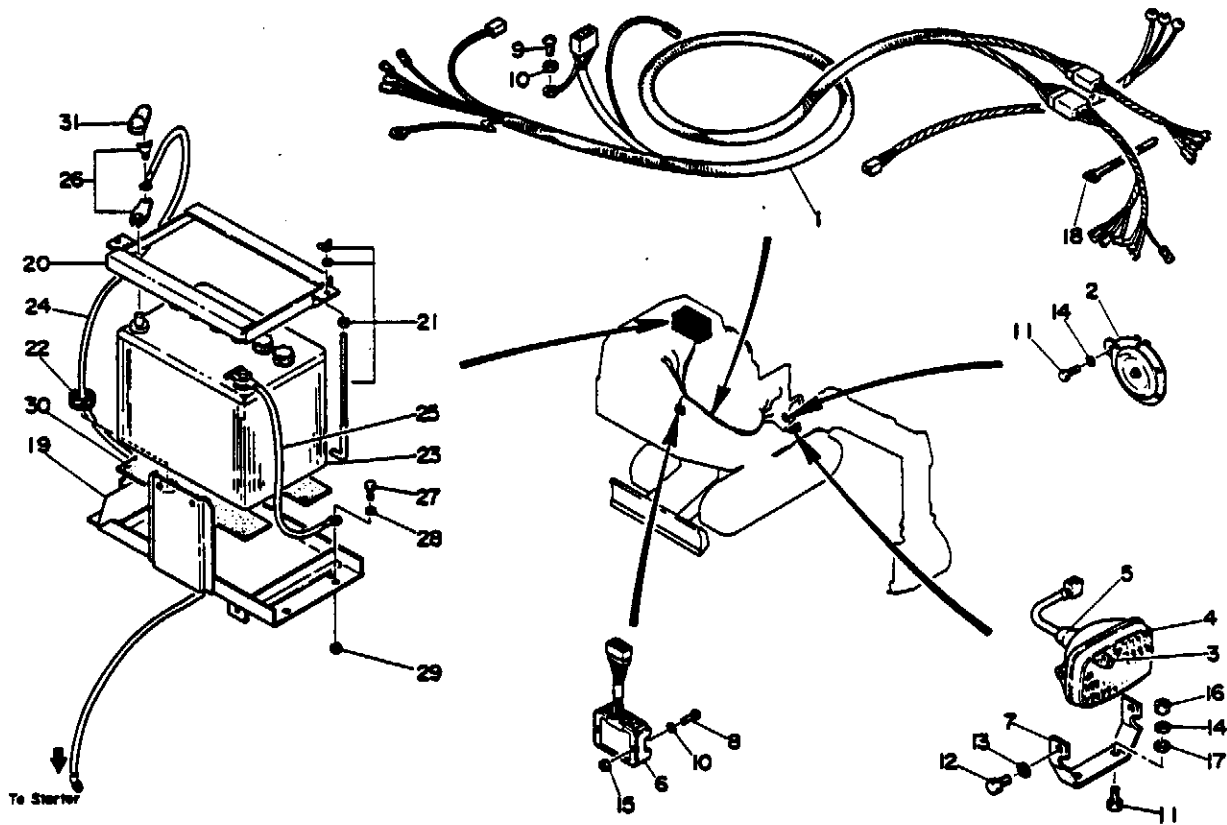
Fig. 17-1 1/2

NOTE

#1-#238

Fig. 17-1 2/2

FIG. 17-2 ELECTRICALS



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00642-90020	HARNESS, Wiring	838 ~	26	17025-30085	CABLE, Battery	1
	00642-90010	HARNESS, Wiring	819-838	26	17022-30349	CABLE, Earth	1
2	17035-00412	HORN		26	17023-08513	TERMINAL	1
01	17030-00100	LAMP ASSY		27	11008-50816	BOLT	4
3	17030-00103	*BULB		28	11400-10008	WASHER, Spring	4
4	17030 00101	*LAMP		29	11300-50008	NUT	4
5	17030-00102	*HARNESS, Light		30	16547-05000	RUBBER	2
	*****	LIMITER, Current	112160-7771	31	17029-20060	CAP	1
7	00642 10500	BRACKET					
8	11205 30635	SCREW, Pan Head					
9	11205-30610	SCREW, Pan Head					
10	11400 10006	WASHER, Spring					
11	11000 40816	BOLT					
12	11000 41020	BOLT					
13	11400 10010	WASHER, Spring					
14	11400 20008	WASHER, Spring					
15	11300 10006	NUT					
16	11300 43008	NUT					
17	11411 10008	WASHER, Plain					
18	16522 00003	BAND					
19	00644 12600	STAND					
20	00644 11200	HOLDER					
21	17021-06220	BOLT, Hook					
22	16520-02202	GROMMET					
23	17020-00060	BATTERY					

NOTE #231~

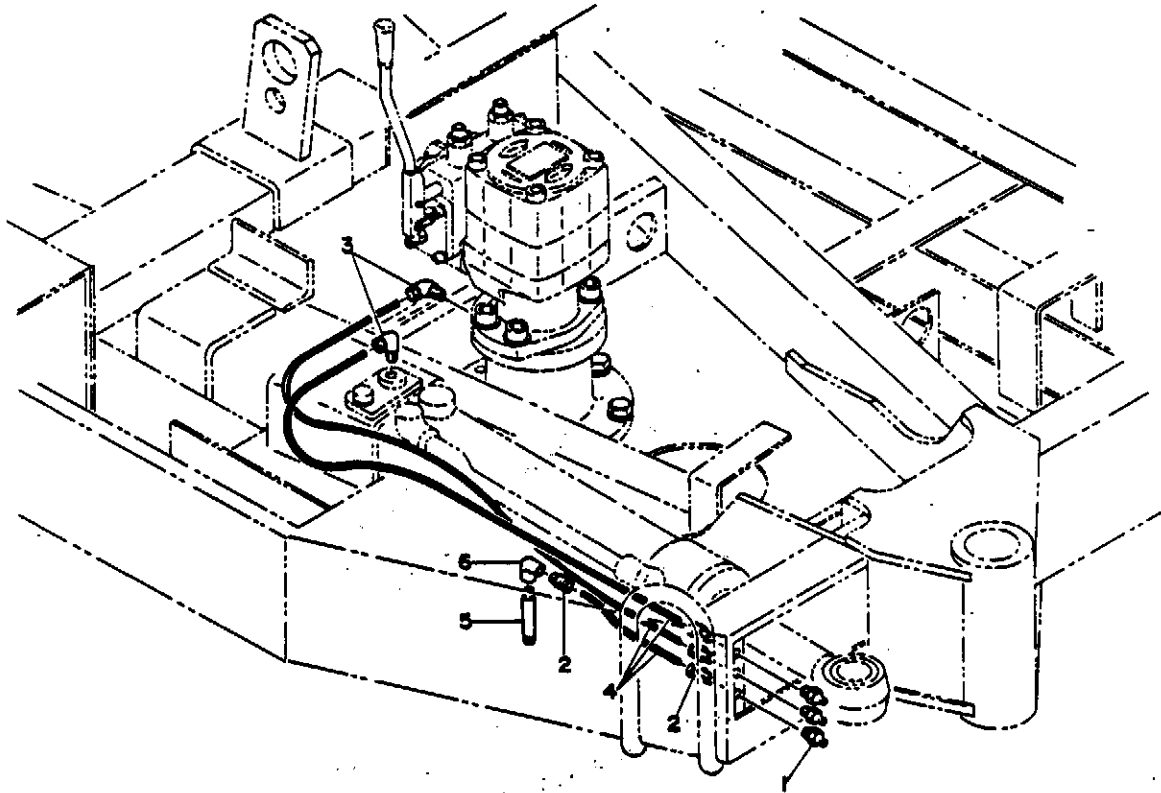
Fig. 17-2 L/2

NOTE

#231~

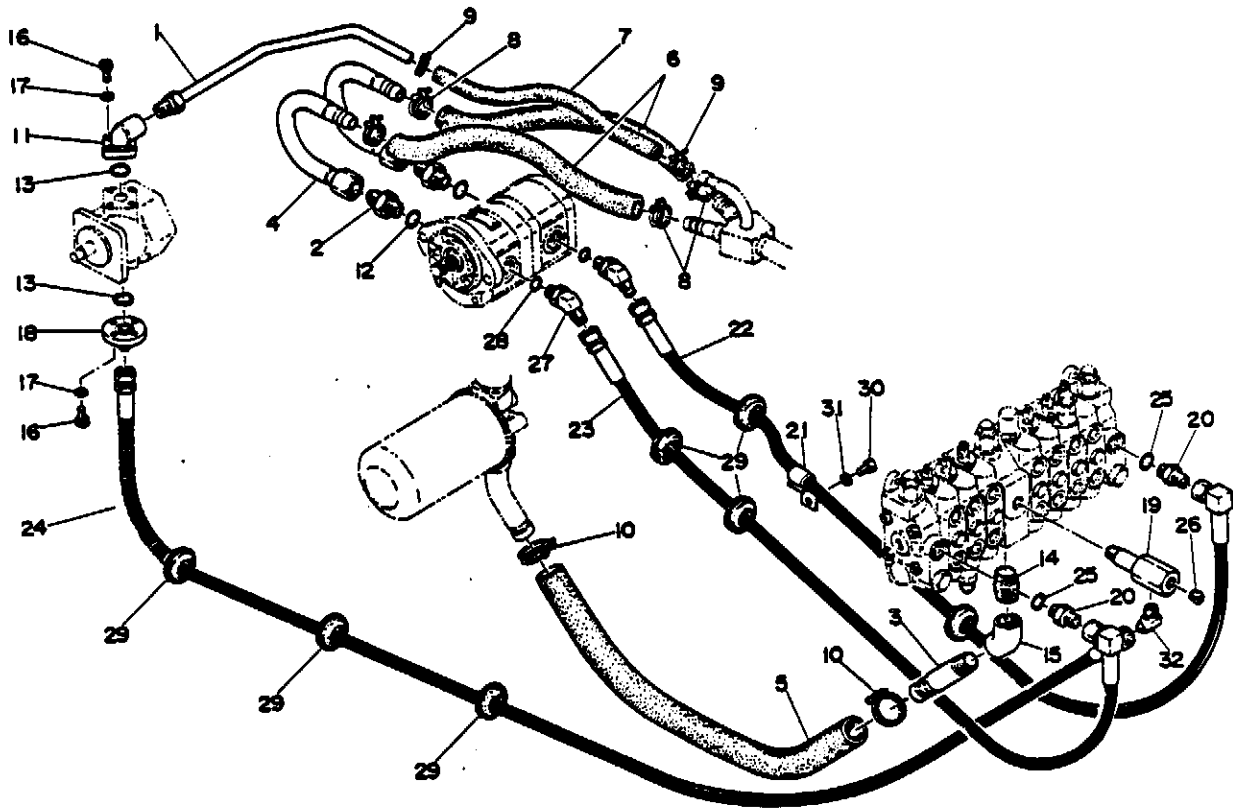
Fig. 17-2 L/2

FIG. 18 GREASE PIPING



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
	1	15800-01000 NIPPLE Grease	3	
	2	15325-20601 CONNECTOR	4	
	3	15326-20601 ELBOW 90°	2	
	4	15320-20600 TUBE	M	
	5	00891-01060 NIPPLE	1	
	6	15080 00001 ELBOW	1	

FIG. 19-1 HYD. PIPING, UPPER 1



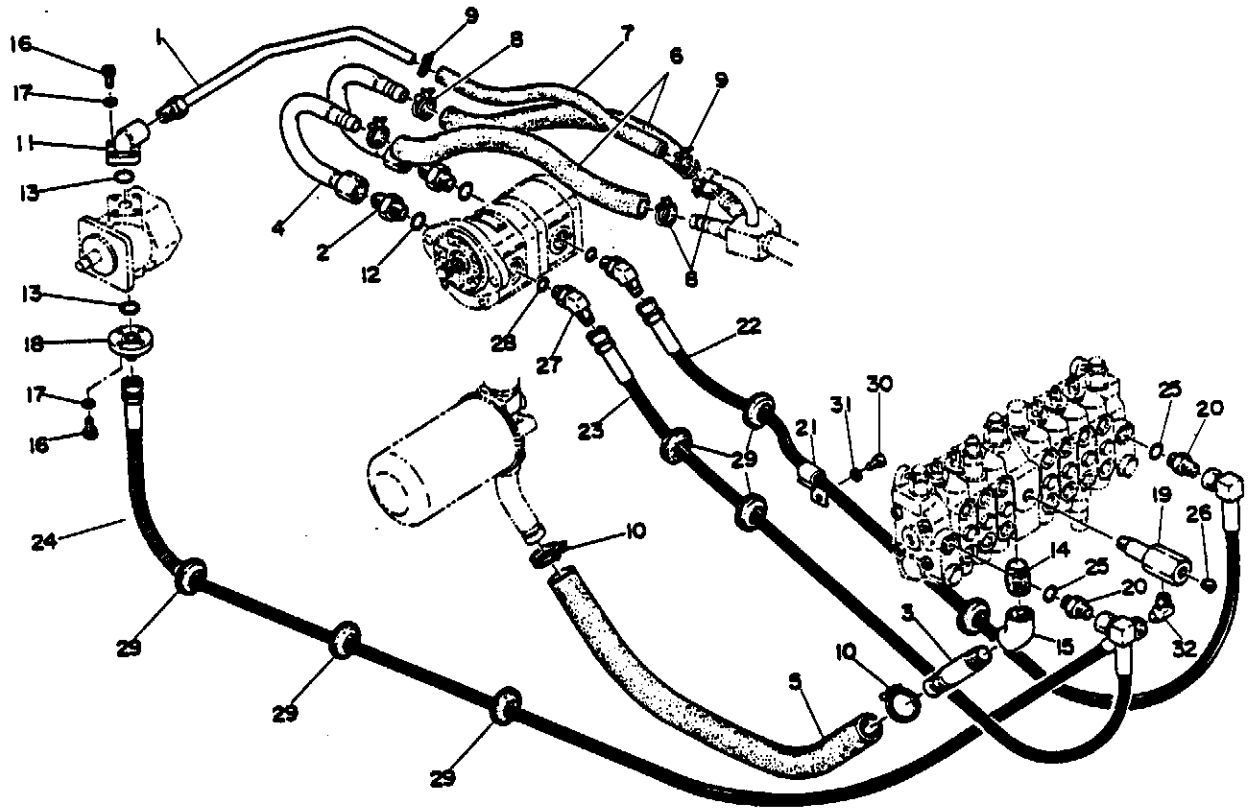
IN	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	IN	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
	1	00671-10100 PIPE	1			26	15818-20002 PLUG	1	
	2	00072-00072 ADAPTOR	2			27	13151-01314 ELBOW, 45°	2	
	3	00089-00010 NIPPLE	1			28	14200-10140 O-RING	2	
	4	00671-10200 PIPE	2			29	16520-02502 CROMMET	7	
	5	15305-20070 HOSE	1			30	11000-40016 BOLT	1	
	6	15305 20014 HOSE	2			31	11400-20008 WASHER, Spring	1	
	7	15305-14030 HOSE	1			32	15112 00003 ELBOW, 45°	1	
	8	15330-01032 CLAMP	4						
	9	15330 01025 CLAMP	2						
	10	15330 01028 CLAMP	2						
	11	15336 19006 FITTING	1						
	12	14200 10180 O RING	2						
	13	14200 10200 O-RING	2						
	14	15130-00006 NIPPLE	1						
	15	15081 00006 ELBOW, 45°	1						
	16	11100-40006 BOLT, Socket	7						
	17	11400-20006 WASHER, Spring	7						
	18	00072-00071 FITTING	1						
	19	00072-00079 ADAPTOR	1						
	20	00072-00077 ADAPTOR	2						
	21	00073-00004 CLAMP	1						
	22	19094-09120 HOSE ASSY	1						
	23	19094-09125 HOSE ASSY	1						
	24	19099-00002 HOSE ASSY	1						
	25	14203-10908 O-RING	2						

NOTE #1-#192. w/o Breaker Circuit Type FIG.19-1 1/2

NOTE

#1-#192. w/o Breaker Circuit Type FIG.19-1 2/2

FIG. 19-2 HYD. PIPING. UPPER 1



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00071-10100	PIPE	1	26	15018-20002	PLUG	1
2	00072-00072	ADAPTOR	2	27	15151-01314	ELBOW, 45°	2
3	00099-00010	NIPPLE	1	28	14200-10140	O-RING	2
4	00071-10200	PIPE	2	29	16320-02502	GROMMET	7
5	15305-20070	HOSE	1	30	11000-40016	BOLT	1
6	15305-20014	HOSE	2	31	11400-20006	WASHER, Spring	1
7	15305-14030	HOSE	1	32	15112-00003	ELBOW, 45°	1
8	15330-01032	CLAMP	4				
9	15330-01025	CLAMP	2				
10	15330-01038	CLAMP	2				
11	15336-13006	FITTING	1				
12	14200-10180	O RING	2				
13	14200-10200	O RING	2				
14	15130-00006	NIPPLE	1				
15	15031-00006	ELBOW, 45°	1				
16	11100-40006	BOLT, Socks	7				
17	11400-20006	WASHER, Spring	7				
18	00072-00071	FITTING	1				
19	00072-00079	ADAPTOR	1				
20	00072-00077	ADAPTOR	2				
21	00073-00004	CLAMP	1				
22	19094-09120	HOSE ASSY	1				
23	19094-09125	HOSE ASSY	1				
24	19099-00002	HOSE ASSY	1				
25	14203-10908	O-RING	2				

NOTE #1-#192 Per England

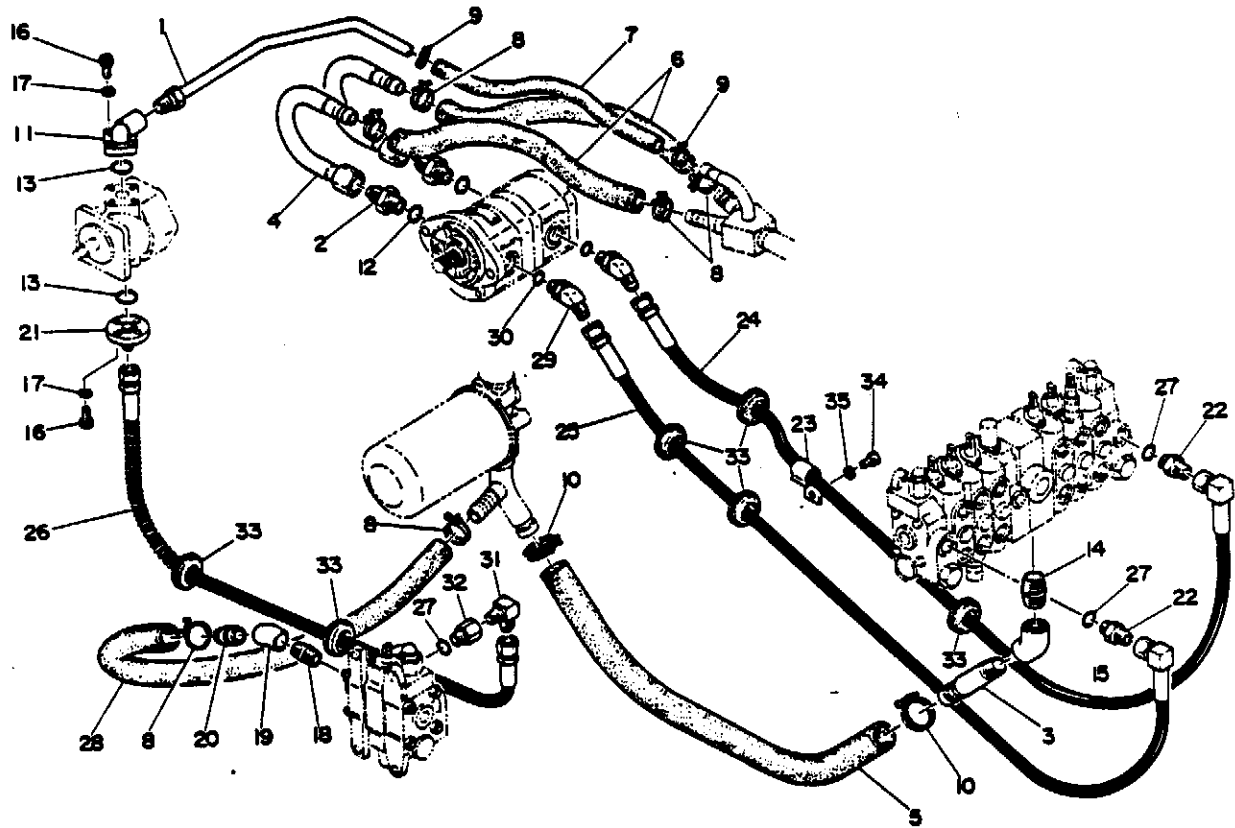
Fig. 19-2 1/2

NOTE

#1-#192. Per England

Fig. 19-2 2/2

FIG. 19-3 PIPING, UPPER 1



QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00671-10100	PIPE		1	19094-09100	HOSE ASSY	
2	00072-00072	ADAPTOR		3	14203-10900	O-RING	
3	00099-00010	NIPPLE		1	15305-20026	HOSE	
4	00671-10200	PIPE		2	15151-01314	ELBOW, 45°	
5	15305-20000	HOSE		2	14200-10100	O-RING	
6	15305-20032	HOSE		1	15111-00003	ELBOW, 90°	
7	15305-14030	HOSE		1	15131-00001	ADAPTOR	
8	15330-01032	CLAMP		6	16320-02502	GROMMET	
9	15330-01025	CLAMP		1	11000-40016	BOLT	
10	15330-01030	CLAMP		2	11400-20008	WASHER	
11	15336-19000	FITTING					
12	14200-10100	O-RING					
13	14200-10200	O RING					
14	15130-00006	NIPPLE					
15	15001-00006	ELBOW, 45°					
16	11100-40620	BOLT, Socket					
17	11400-20000	WASHER, Spring					
18	15130-00004	NIPPLE					
19	15001-00004	ELBOW, 45°					
20	00099-00002	NIPPLE					
21	00072-00071	FITTING					
22	00072-00077	ADAPTOR					
23	00073-00004	CLAMP					
24	19094-09120	HOSE ASSY					
25	19094-09123	HOSE ASSY					

NOTE

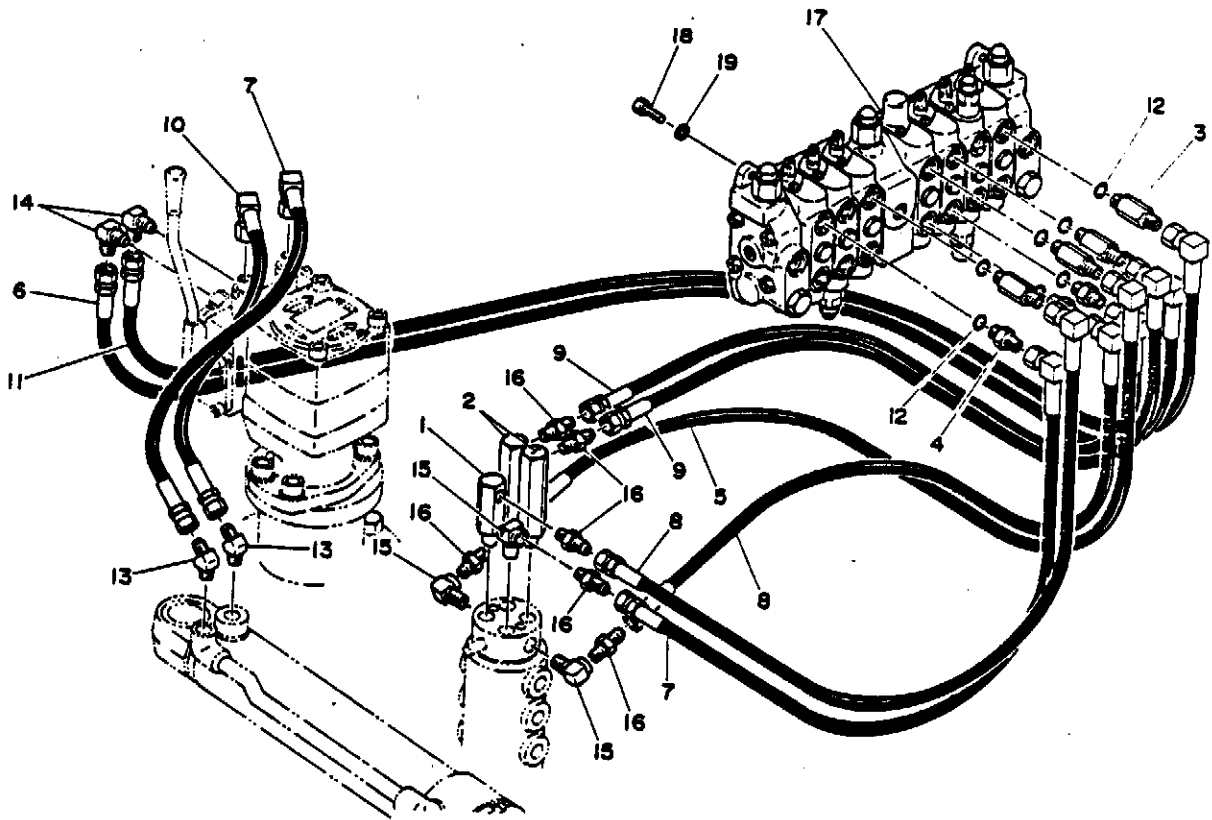
NOTE #193- with Breaker Circuit Type

Fig. 19-3 1/2

#193- with Breaker Circuit Type

Fig. 19-3 2/2

FIG. 20-1 PIPING, UPPER 2



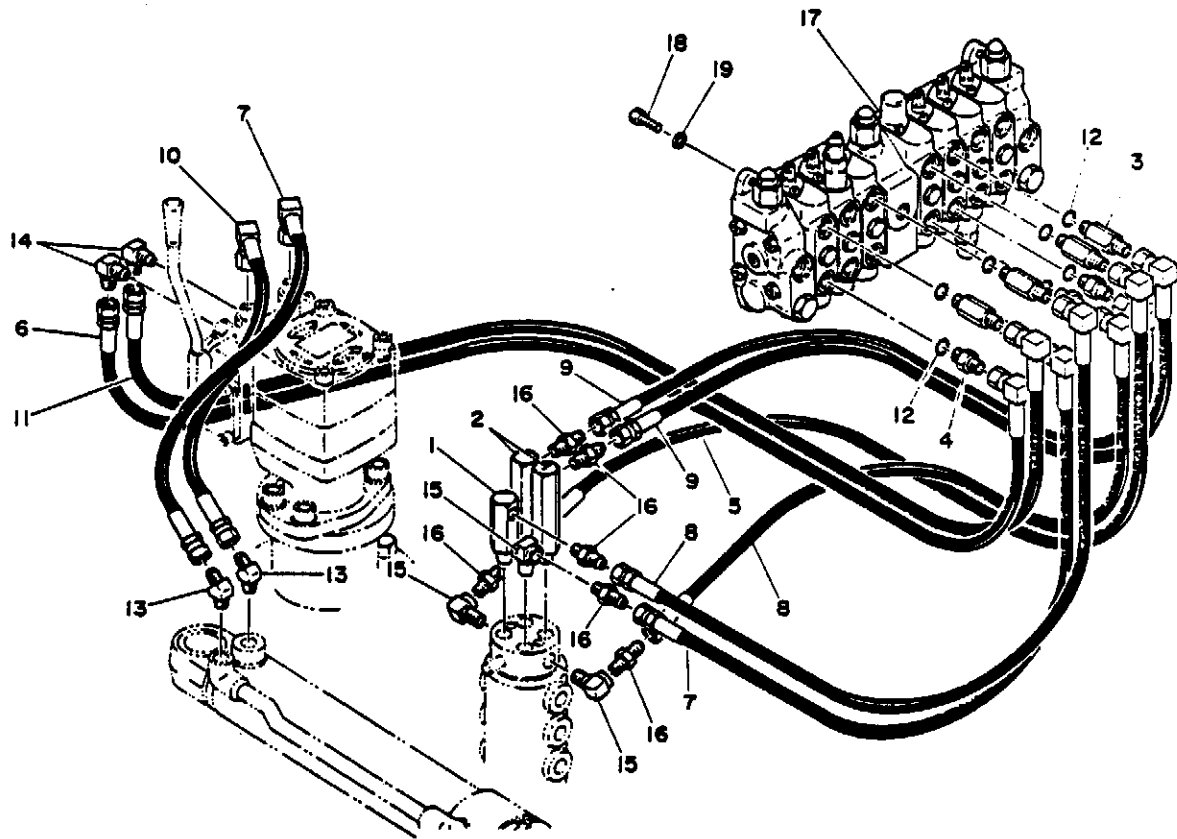
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00072-00042	ADAPTOR	1	
2	00072-00032	ADAPTOR	2	
3	00072-00076	ADAPTOR	4	
4	00072-00075	ADAPTOR	4	
5	19094-00060	HOSE ASSY	1	
6	19094-00035	HOSE ASSY	1	
7	19094-00040	HOSE ASSY	2	
8	19094-00045	HOSE ASSY	2	
9	19094-00050	HOSE ASSY	2	
10	19094-00035	HOSE ASSY	1	
11	19094-00030	HOSE ASSY	1	
12	14203-10906	O RING	8	
13	15112-00002	ELBOW, 45°	2	
14	15111-00002	ELBOW, 90°	2	
15	15013-00002	ELBOW, 90°	3	
16	15110-00002	ADAPTOR	6	
17	19010-06100	VALVE, Main Control	1	
18	11000-40820	BOLT	4	
19	11400-20008	WASHER, Spring	4	

NOTE

31-2192 - / - Breaker Circuit Type Fig. 20-1 L/V

53

FIG. 20-2 PIPING, UPPER 2



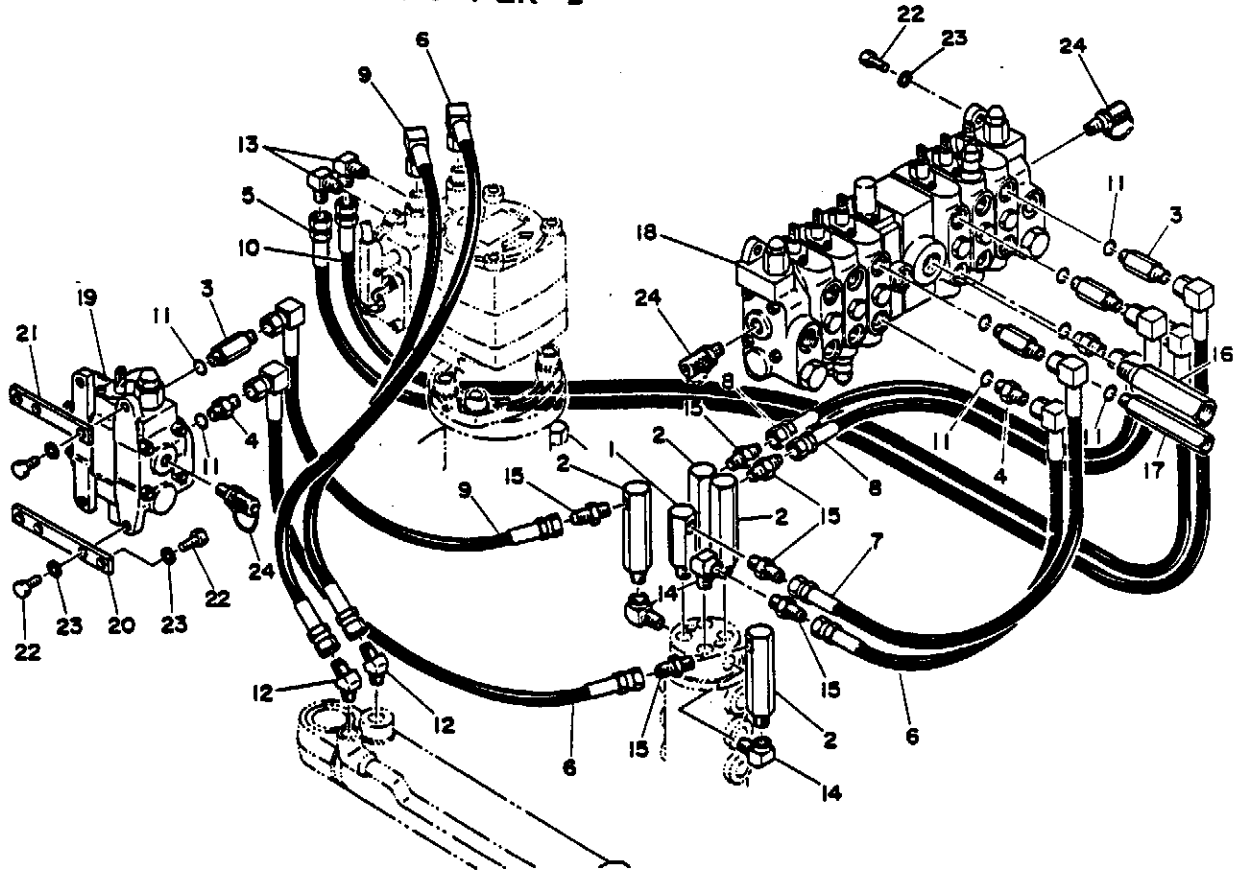
NO	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00072-00042	ADAPTOR	1	
2	00072-00052	ADAPTOR	2	
3	00072-00076	ADAPTOR	4	
4	00072-00075	ADAPTOR	4	
5	19094-00060	HOSE ASSY	1	
6	19094-00095	HOSE ASSY	1	
7	19094-00040	HOSE ASSY	2	
8	19094-00045	HOSE ASSY	2	
9	19094-00030	HOSE ASSY	2	
10	19094-00035	HOSE ASSY	1	
11	19094-00090	HOSE ASSY	1	
12	14203-10906	O-RING	8	
13	15112-00002	ELBOW, 45°	2	
14	15111-00002	ELBOW, 90°	2	
15	15013-00002	ELBOW, 90°	3	
16	15110-00002	ADAPTOR	6	
17	19010-00000	VALVE, Main Control	1	
18	11000-40620	BOLT	4	
19	11400-20008	WASHER, Spring	4	

NOTE

01-0192, Per Request

Fig. 20-2 L-1

FIG. 20-3 PIPING, UPPER 2

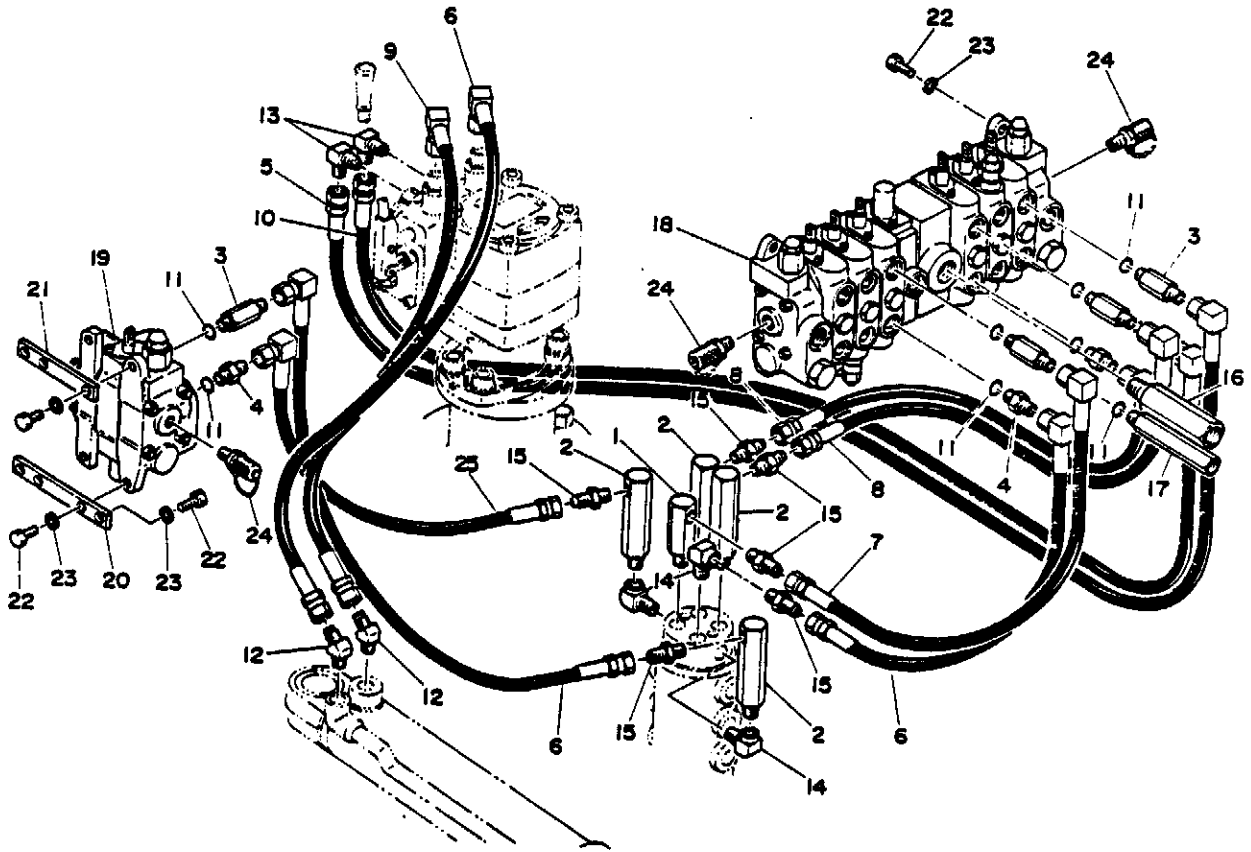


QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
	1	00072-00042 ADAPTOR	1	
	2	00072-00054 ADAPTOR	4	
	3	00072-00076 ADAPTOR	4	
	4	00072-00075 ADAPTOR	4	
	5	19094-00095 HOSE ASSY	1	
	6	19094-00040 HOSE ASSY	3	
	7	19094-00045 HOSE ASSY	1	
	8	19094-00050 HOSE ASSY	2	
	9	19094-00035 HOSE ASSY	2	
	10	19094-00090 HOSE ASSY	1	
	11	14203 10906 O-RING	9	
	12	15112-00002 ELBOW, 45°	2	
	13	15111-00002 ELBOW, 90°	2	
	14	15013-00002 ELBOW, 90°	3	
	15	15110-00002 ADAPTOR	6	
	16	00570-10024 BUSHING	1	
	17	00670-15100 ADAPTOR	1	
	18	19010-07600 VALVE, Main Control	1	
	19	19010-06400 VALVE, Blade Control	1	
	20	00650-13100 PLATE	1	
	21	00650-13200 PLATE	1	
	22	11000-40820 BOLT	11	
	23	11400-20008 WASHER, Spring	11	
	24	15130-00012 PORT	3	

NOTE

#193-0230, with Breaker Circuit Type Fig. 20-3 L/1

FIG. 20-4 PIPING, UPPER 2

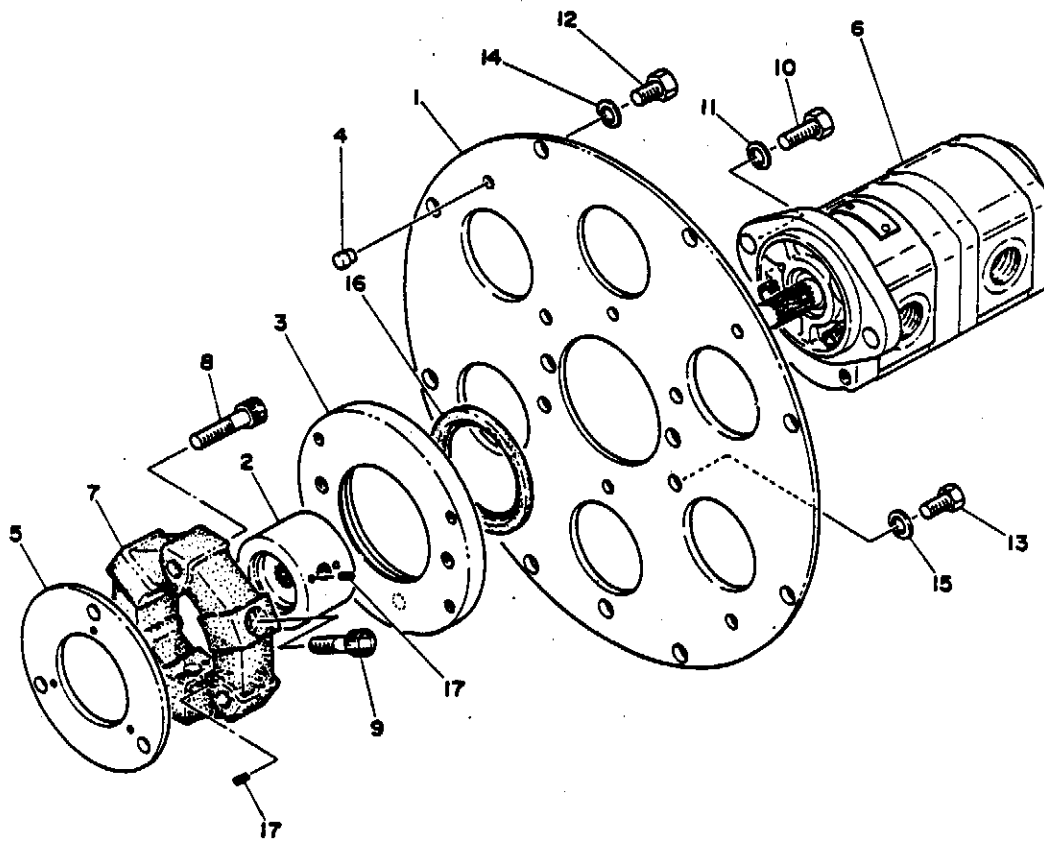


Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00072-00042	ADAPTOR	1	
2	00072-00034	ADAPTOR	4	
3	00072-00076	ADAPTOR	4	
4	00072-00075	ADAPTOR	4	
5	19094-08093	HOSE ASSY	1	
6	19094-08040	HOSE ASSY	1	
7	19094-08045	HOSE ASSY	1	
8	19094-08050	HOSE ASSY	2	
9	19094-08035	HOSE ASSY	1	
10	19094-08090	HOSE ASSY	1	
11	14203-10906	O-RING	1	
12	15112-00002	ELBOW, 45°	2	
13	15111-00002	ELBOW, 90°	2	
14	15013-00002	ELBOW, 30°	3	
15	15110-00002	ADAPTOR	6	
16	00570-10024	BUSHING	1	
17	00670-15100	ADAPTOR	1	
18	13010-07800	VALVE, Main Control	1	
19	13010-08400	VALVE, Blade Control	1	
20	00650-13100	PLATE	1	
21	00650-13200	PLATE	1	
22	11000-40820	BOLT	11	
23	11400-20008	WASHER, Spring	11	
24	15130-00012	PORT	3	
25	19094-08030	HOSE ASSY	1	

NOTE #231 - with Breaker Circuit Type

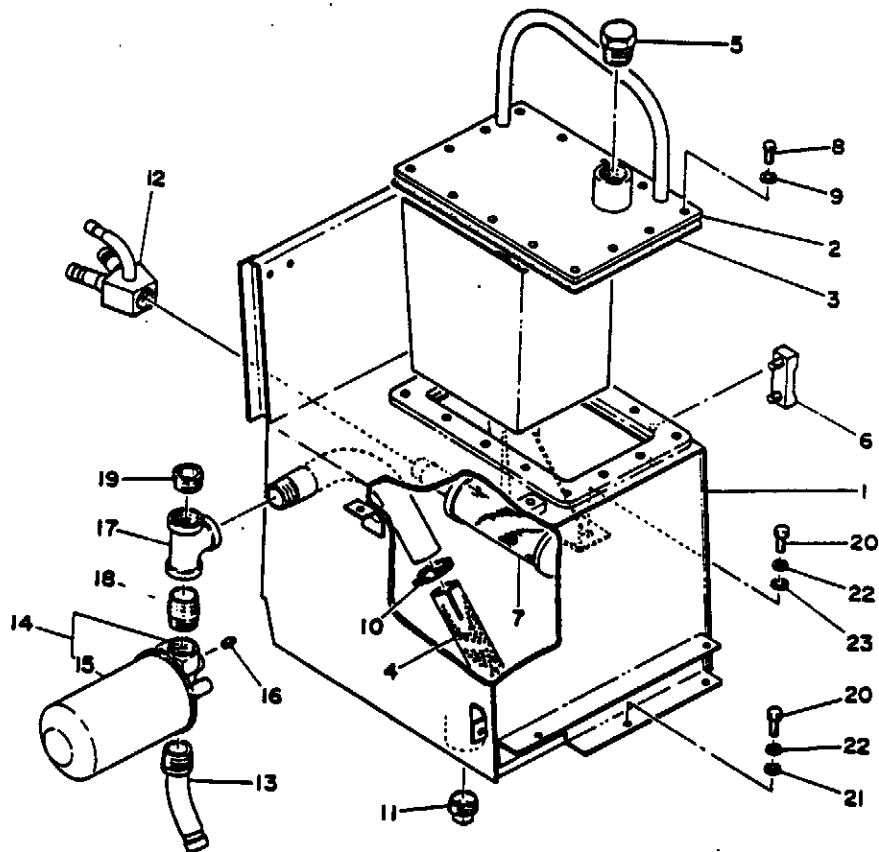
Fig. 20-4 L/1

FIG. 21 PUMPE DRIVE



Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00652-10100	PLATE	1	
1	00652-10200	COUPLING	1	
1	00652-10300	FLANGE	1	
6	00652-10400	PIN	6	
1	00952-10200	PLATE	1	
1	19020-03500	PUMP ASSY. Male	1	
1	16020-00000	COUPLING	1	
3	11100-51040	BOLT, Socket	3	
3	11100-51030	BOLT, Socket	3	
2	11030-41025	BOLT	2	
2	11411-10010	WASHER, Plain	2	
8	11000-51018	BOLT	8	
4	11000-50818	BOLT	4	
8	11400-10010	WASHER, Spring	8	
4	11400-10008	WASHER, Spring	4	
1	14005-03217	SEAL, Oil	1	
9	12130-00400	PIN, Spring	9	

FIG. 22-1 HYDRAULIC TANK



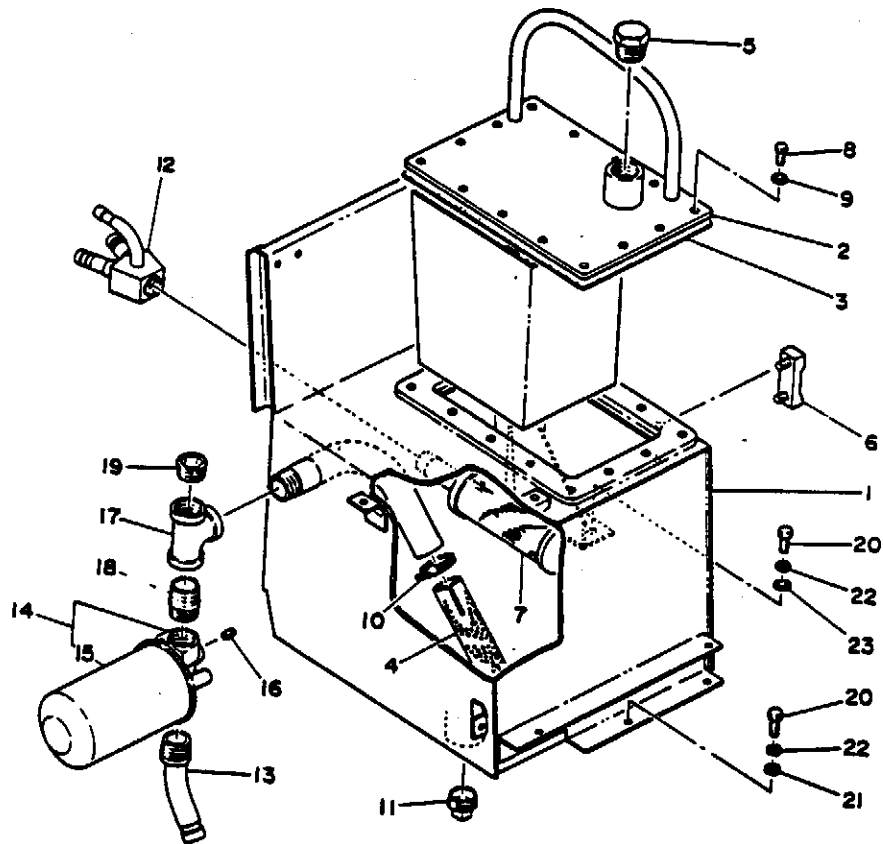
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
Q-1	00680-90000	TANK ASSY. Hyd.	1	
1	00680-11100	*TANK, Hyd.	1	
2	00680-11200	*COVER	1	
3	01000-05200	*PACKING	1	
4	00780-00300	*DIFFUSER	1	
5	15017-00010	*PLUG	1	
6	15330-20050	*GAUGE	1	
7	15500-00006	*FILTER	1	
8	11000-20014	*BOLT	14	
9	11411-10008	*WASHER, Plain	14	
10	15330-01030	*CLAMP	1	
11	15007-00010	*PLUG	1	
12	00680-10300	PIPE	1	
13	00680-10400	PIPE	1	#1-#102
14	15510-45110	FILTER ASSY	1	
15	15510-35110	*CARTRIDGE	1	
16	15007-00001	PLUG	1	
17	15002-00010	TEE	1	
18	15130-00010	NIPPLE	1	
19	15018-00010	PLUG	1	
20	11000-41020	BOLT	8	
21	11411-10010	WASHER, Plain	4	
22	11400-20010	WASHER, Spring	6	
23	00026-00006	WASHER	2	

NOTE

#1-#10. = / = Breaker Circuit Type

FIG. 22-1 L/1

FIG. 22-2 HYDRAULIC TANK

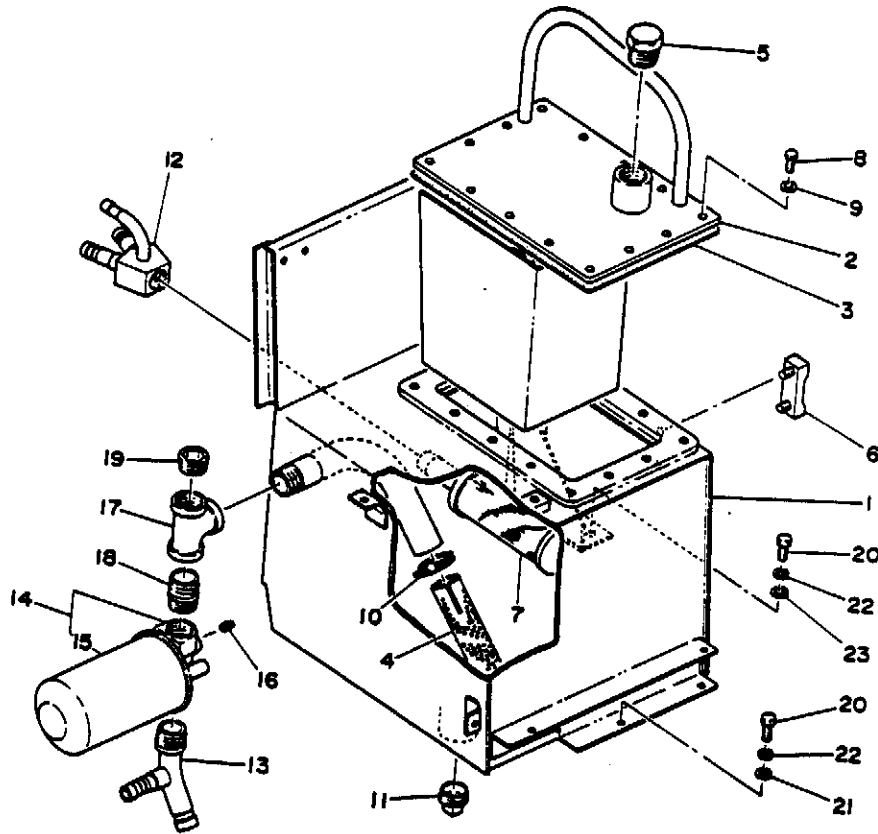


QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
Q-1	00680-00010	TANK ASSY. Hyd.	1	
1	00680-11300	*TANK, Hyd.	1	
2	00680-11200	*COVER	1	
3	01000-05200	*PACKING	1	
4	00700-00300	*DIFFUSER	1	
5	15017-00010	*PLUG	1	
6	15530-20650	*GAUGE	1	
7	15500-00000	*FILTER	1	
8	11000-20014	*BOLT	14	
9	11411-10008	*WASHER, Plain	14	
10	15330-01038	*CLAMP	1	
11	15087-00010	*PLUG	1	
12	00680-10300	PIPE	1	
13	00680-10400	PIPE	1	
14	15310-43110	FILTER ASSY	1	
15	15510-35110	*CARTRIDGE	1	
16	15087-00001	PLUG	1	
17	15082-00010	TEE	1	
18	15130-00010	NIPPLE	1	
19	15018-00010	PLUG	1	
20	11000-41020	BOLT	6	
21	11411-10010	WASHER, Plain	4	
22	11400-20010	WASHER, Spring	6	
23	00036-00000	WASHER	2	

NOTE

#19-#192. a/c Breaker Circuit Type Fig. 22-2 L/1

FIG. 22-3 HYDRAULIC TANK



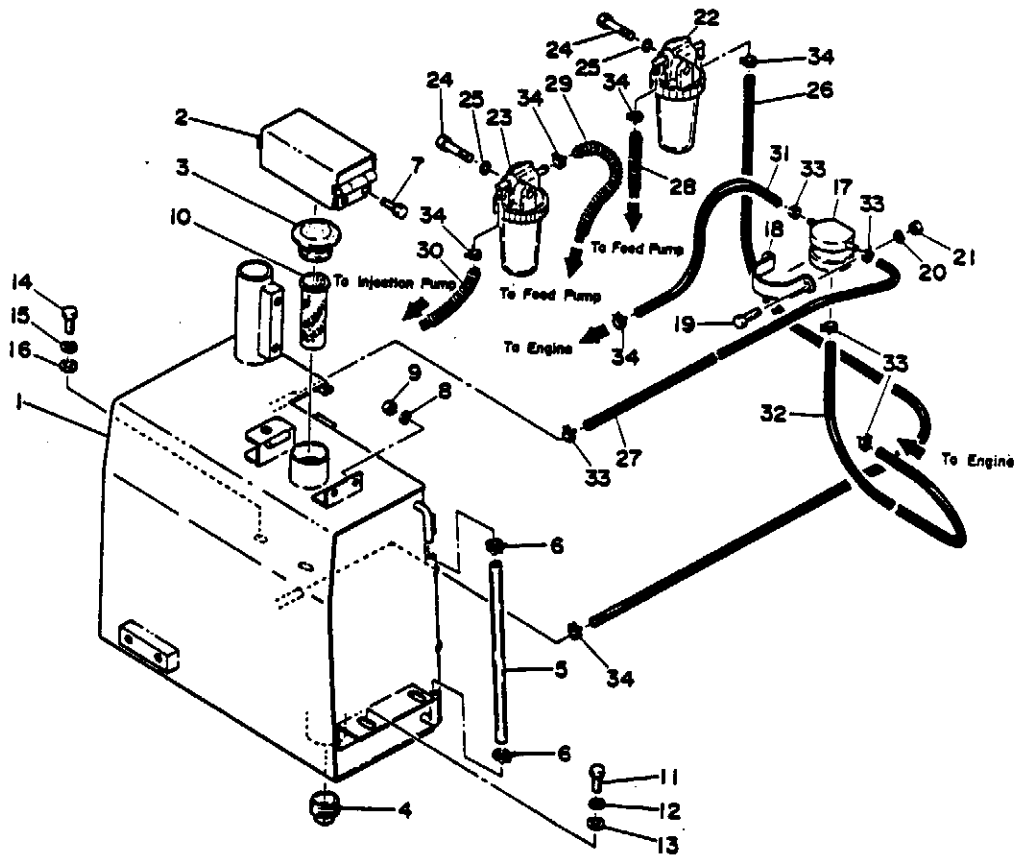
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00680-90010	TANK ASSY. Hyd.	1	
1	00680-11300	*TANK Hyd.	1	
2	00680-11200	*COVER	1	
3	01680-05200	*PACKING	1	
3	00780-00300	*DIFFUSER	1	
5	15017-00010	*PLUG	1	
6	15520-20650	*GAUGE	1	
1	15500-00006	*FILTER	1	
8	11000-20014	*BOLT	14	
9	11411-10008	*WASHER, Plain	14	
10	15230-01038	*CLAMP	1	
11	15087-00010	*PLUG	1	
12	00680-10300	PIPE	1	
13	00680-13100	PIPE	1	
14	15510-45110	FILTER ASSY	1	
15	15510-35110	*CARTRIDGE	1	
16	15087-00001	PLUG	1	
17	15082-00010	TEE	1	
18	15130-00010	NIPPLE	1	
19	15018-00010	PLUG	1	
20	11000-41020	BOLT	6	
21	11411-10010	WASHER, Plain	6	
22	11400-20010	WASHER, Spring	4	
23	00036-00006	WASHER	2	

NOTE

8193-... with Greater Circuit Type

Fig. 22-3 1/1

FIG. 23-1 FUEL TANK



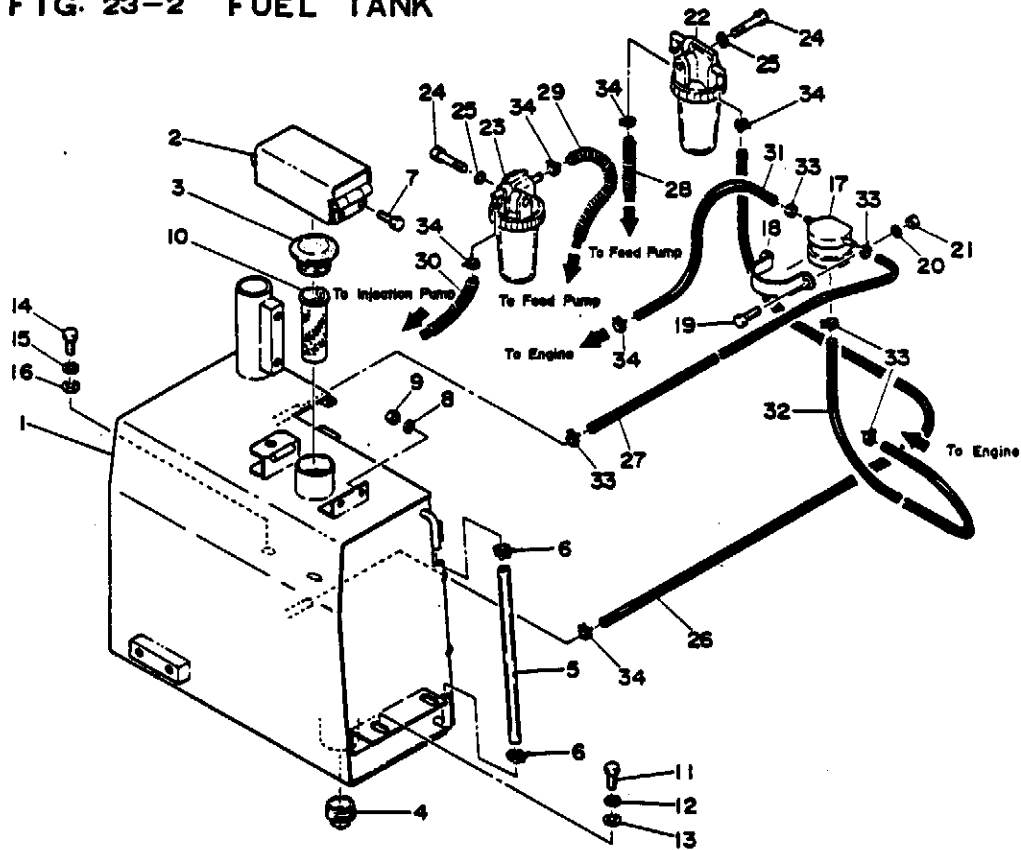
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00681-90000	TANK ASSY. Fuel	1			11000-40865	BOLT	1	#1-#126
1	00681-11100	*TANK Fuel	1		25	11400-10000	WASHER, Spring	2	#127 ~
2	00681-11200	*CAP	1			11400-10000	WASHER, Spring	1	#1-#126
3	15541-00140	*COVER	1		26	*****	HOSE	1	#127 ~
4	15087-00010	*PLUG	1			*****	HOSE	1	#1-#126
5	15310-15095	*HOSE	1		27	*****	HOSE	1	
6	15330-01015	*CLAMP	2		28	*****	HOSE	1	#127 ~
7	11000-30616	*BOLT	2		29	*****	HOSE	1	
8	11400-20006	*WASHER, Spring	2		30	*****	HOSE	1	
9	11300-30006	*NUT	2		31	*****	HOSE	1	
10	15520-22000	*STRAINER	1		32	*****	HOSE	1	
11	11000-50816	BOLT	2		33	*****	CLAMP	6	
12	11400-20008	WASHER, Spring	2		34	*****	CLAMP	8	#127 ~
13	11411-10008	WASHER, Plain	2			*****	CLAMP	6	#1-#126
14	11000-51020	BOLT	4						
15	11400-20010	WASHER, Spring	4						
16	00036-00003	WASHER	4						
17	*****	TANK, Header	1	Y121750-7700					
18	*****	CLAMP	1	Y124400-7700					
19	11000-30616	BOLT	2						
20	11400-20006	WASHER, Spring	2						
21	11300-30006	NUT	2						
22	*****	SEPARATER	1	#127~					
23	*****	STRAINER	1						
24	11000-40865	BOLT	2	#127~					

NOTE #1-#192, w/o Breaker Circuit Type Fig.23-1 1/2

NOTE

#1-#192, w/o Breaker Circuit Type Fig.23-1 2/2

FIG. 23-2 FUEL TANK



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00681-90010	TANK ASSY, Fuel	1		25	11400-10008	WASHER, Spring	2	
1	00681-13100	*TANK, Fuel	1		26	*****	HOSE	1	#231 ~
2	00681-11200	*CAP	1		*****	HOSE	1	#127 ~#230	
3	15541-00140	*COVER	1		27	*****	HOSE	1	
4	15907-00010	*PLUG	1		28	*****	HOSE	1	#231 ~
5	15310-15095	*HOSE	1		*****	HOSE	1	#127 ~#230	
6	15330-01015	*CLAMP	2		29	*****	HOSE	1	
7	11000-30616	*BOLT	2		30	*****	HOSE	1	
8	11400-20006	*WASHER, Spring	2		31	*****	HOSE	1	
9	11300-30006	*NUT	2		32	*****	HOSE	1	
10	15520-22000	*STRAINER	1		33	*****	CLAMP	6	
11	11000-50816	BOLT	2		34	*****	CLAMP	2	
12	11400-20008	WASHER, Spring	2						
13	11411-10008	WASHER, Plain	2						
14	11000-51020	BOLT	4						
15	11400-20010	WASHER, Spring	4						
16	00036-00003	WASHER	4						
17	*****	TANK Header	1	Y121750-77800					
18	*****	CLAMP	1	Y124450-77800					
19	11000-30616	BOLT	2						
20	11400-20006	WASHER, Spring	2						
21	11300-30006	NUT	2						
22	*****	SEPARATOR	1	Y125500-55700					
23	*****	STRAINER	1						
24	11000-40885	BOLT	2						

NOTE #193 ~, with Breaker Circuit Type

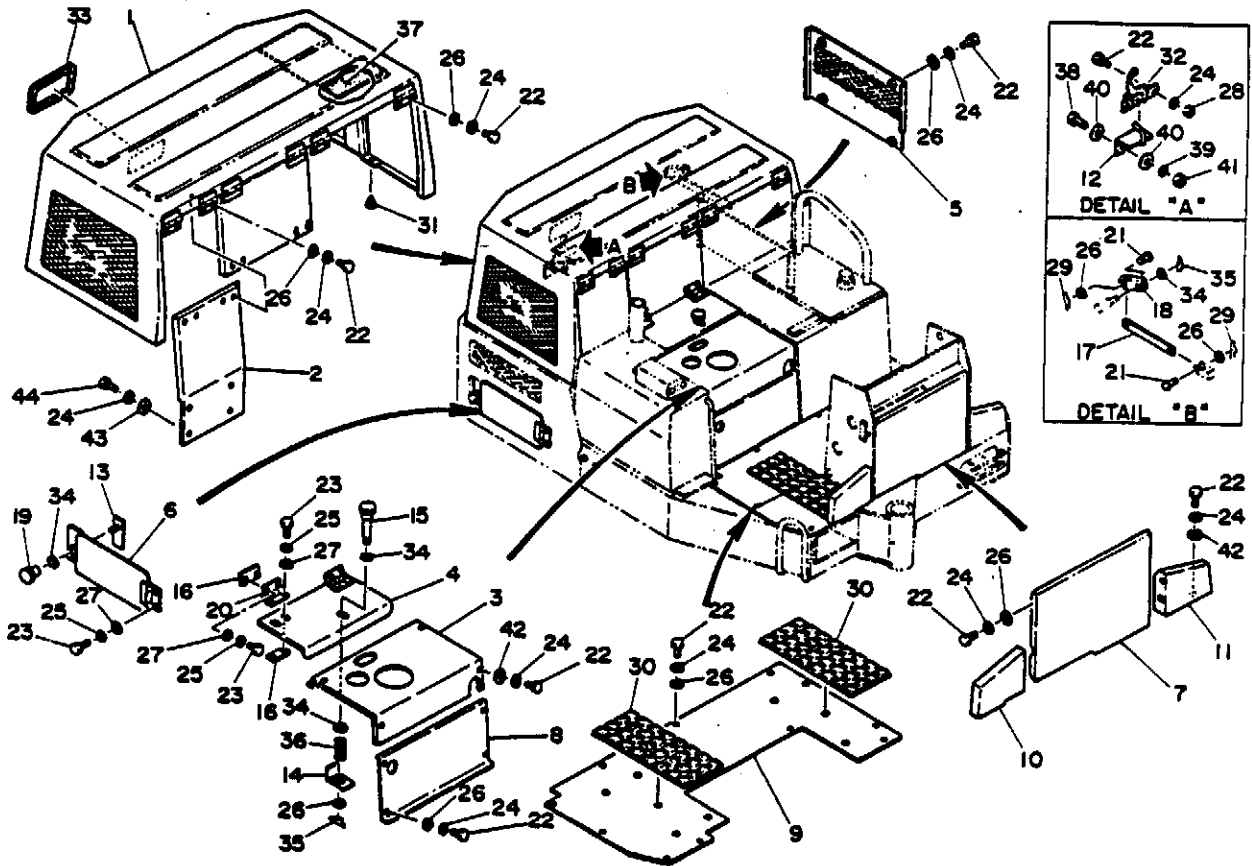
Fig. 23-2 1/2

NOTE

#193 ~, with Breaker Circuit Type

Fig. 23-2 2/2

FIG. 24-1 COVERS



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00682-10100	COVER, Engine		26	11411-10006	WASHER, Plain	31
2	00682-10400	COVER (C), Engine		27	11411-10006	WASHER, Plain	10
3	00682-10600	PANEL, Center		28	11300-40008	NUT	2
4	00682-10700	COVER, Center		29	12140-00006	PIN, Snap	2
5	00682-10800	PLATE, Rear Side		30	16539-00002	CUSHION	2
6	00682-10900	COVER		31	16525-05400	CUSHION, Rubber	4 #11-
7	00682-11000	COVER, Valve Stand		32	16536-10394	LOCK ASSY	1
8	00682-11100	PLATE, Center		33	16546-00100	TRIM	1
9	00682-11200	STAGE		34	11411-10010	WASHER, Spring	4
10	00682-11300	PLATE (R. H.), Feet		35	12140-00006	PIN, Snap	2
11	00682-11400	PLATE (L. H.), Feet		36	00070-00023	SPRING	1
12	00682-11600	HOOK		37	00682-13000	PLATE, Rubber	1
13	00682-12600	PLATE		38	11000-41030	BOLT	2
14	00682-11800	PLATE		39	11400-20010	WASHER, Spring	2
15	00682-11900	KNOB		40	00036-00006	WASHER	4
16	01482-53900	PLATE	4	41	11300-40100	NUT	2
17	00682-12100	ROD	1	42	00036-08252	WASHER	6
18	00682-12200	YOKE	1	43	00036-08003	WASHER	4
19	00982-21700	KNOB	1	44	11000-40035	BOLT	4
20	00682-12500	HINGE	2				
21	00040-00021	PIN	2				
22	11000-40816	BOLT	38				
23	11000-40616	BOLT	10				
24	11400-20008	WASHER, Spring	42				
25	11400-20006	WASHER, Spring	10				

NOTE #1-#192, w/o Breaker Circuit Type

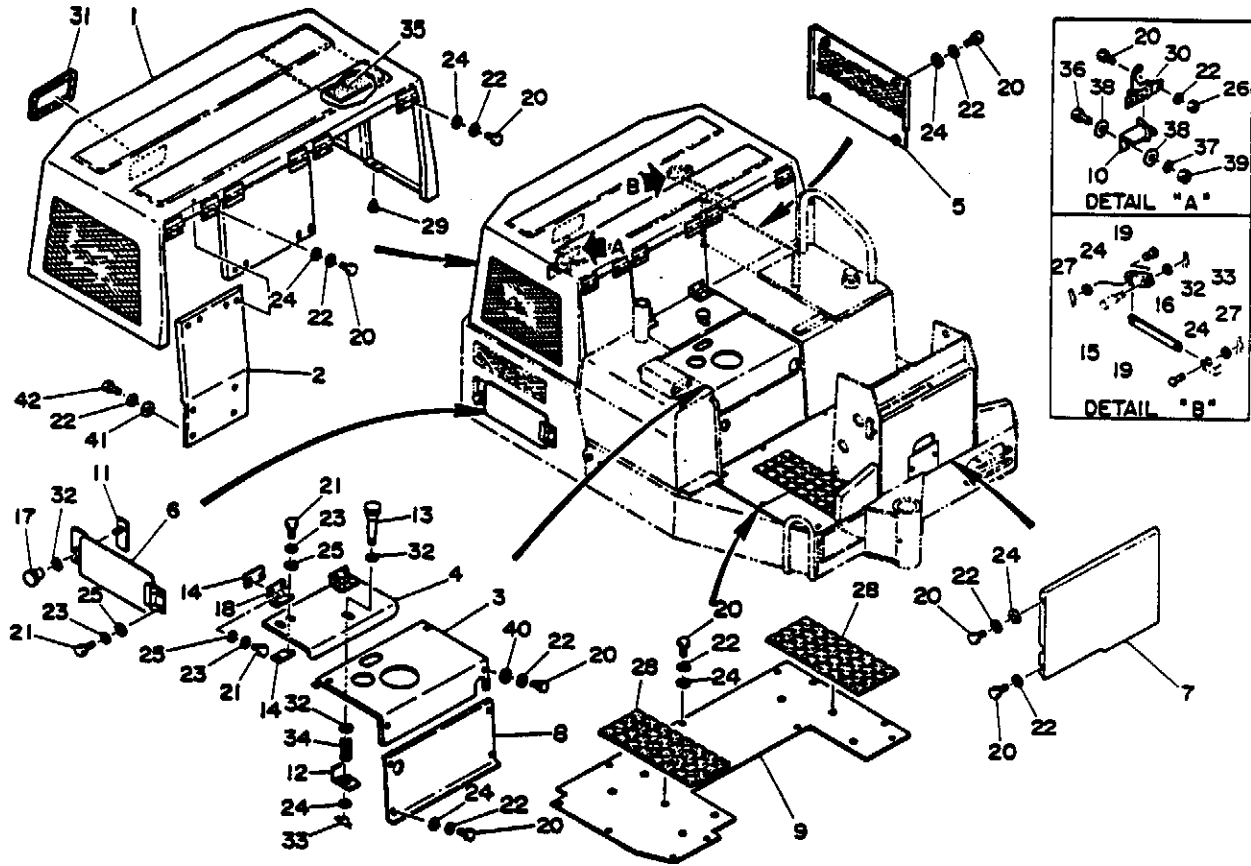
FIG. 24-1 1/2

NOTE

#1-#192, w/o Breaker Circuit Type FIG. 24-1 2/2

67

FIG. 24-2 COVERS



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00682-10100	COVER, Engine		2	11300-40008	NUT	
1	00682-10400	COVER (C), Engine		2	12140-00008	PIN, Soap	
1	00682-10600	PANEL, Center		2	16538-00002	CUSHION	
1	00682-10700	COVER, Center		4	16525-05400	CUSHION, Rubber	#11-
1	00682-10800	PLATE, Rear Side		1	16536-10000	LOCK ASSY	
1	00682-10900	COVER		1	16546-00100	TRIM	
1	00682-11000	COVER, Valve Stand		4	11411-10010	WASHER, Plain	
1	00682-11100	PLATE, Center		2	12140-00008	PIN, Soap	
1	00682-11200	STAGE		1	00070-00023	SPRING	
1	00682-11600	HOOK		1	00682-13000	PLATE, Rubber	
1	00682-12600	PLATE		2	11000-41030	BOLT	
1	00682-11800	PLATE		2	11400-20010	WASHER, Spring	
1	00682-11900	KNOB		4	00036-00006	WASHER	
4	01482-53900	PLATE		2	11300-40010	NUT	
1	00682-12100	ROD		4	00036-08252	WASHER	
1	00682-12200	YOKE		1	00036-08003	WASHER	
1	00982-21700	KNOB		4	11000-40835	BOLT	
2	00682-12500	HINGE					
2	00040-08021	PIN					
33	11000-40816	BOLT					
10	11000-40616	BOLT					
37	11400-20008	WASHER, Spring					
10	11400-20008	WASHER, Spring					
2	11411-10008	WASHER, Plain					
10	11411-10008	WASHER, Plain					
10	11411-10006	WASHER, Plain					

NOTE For Detail #1-#192

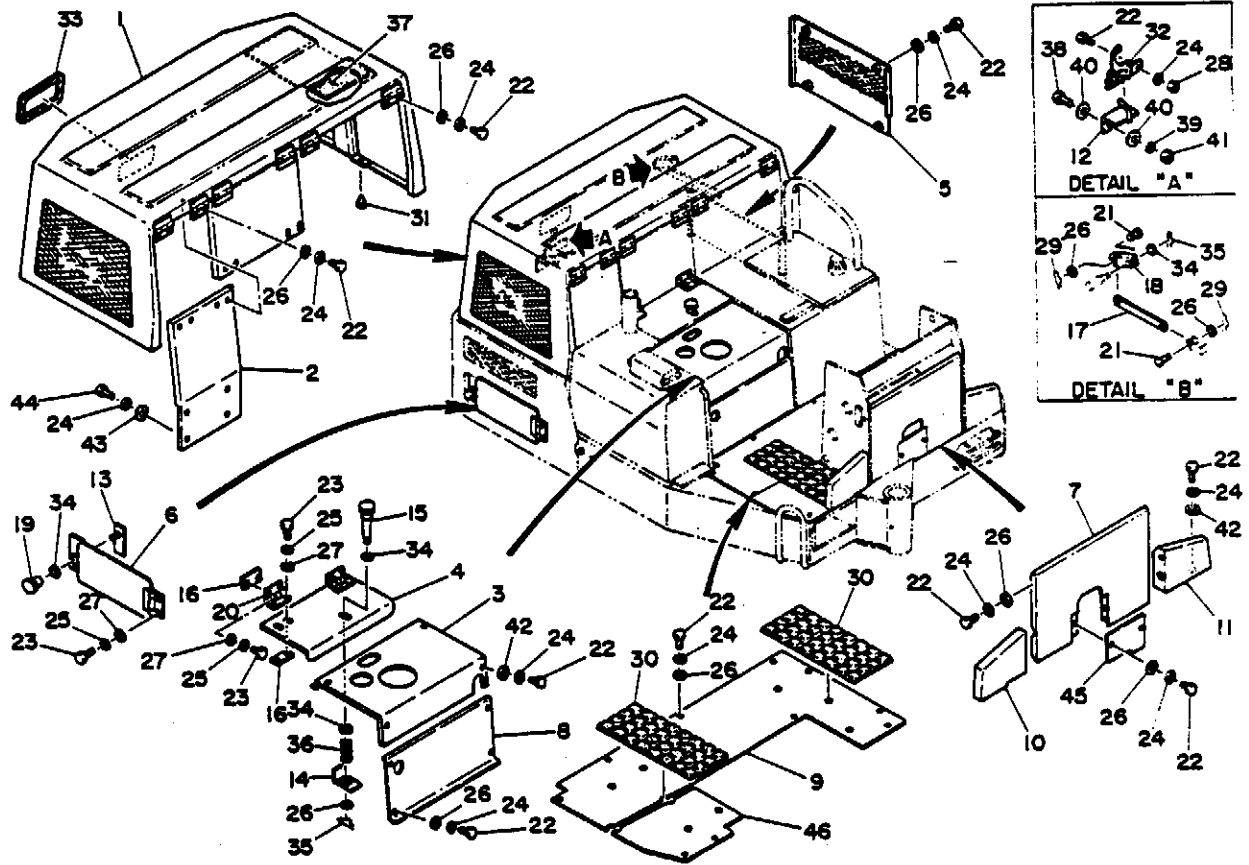
Fig. 24-2/2

NOTE

For Detail #1-#192

Fig. 24-2/2

FIG. 24-3 COVERS.



QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00682-10100	COVER, Engine		38	11411-10008	WASHER, Plain	38
2	00682-10400	COVER (C), Engine		37	11411-10006	WASHER, Plain	10
3	00682-15100	PANEL, Center		28	11300-40008	NUT	2
4	00682-10700	COVER, Center		29	12140-00008	PIN, Snap	2
5	00682-10800	PLATE, Rear Side		30	16539-00002	CUSHION	2
6	00682-10900	COVER		31	16525-05400	CUSHION, Rubber	4 #11-
7	00682-15200	COVER, Valve Stand		32	16536-10304	LOCK ASSY	1
8	00682-15300	PLATE, Center		33	16346-00100	TRIM	1
9	00682-15500	STAGE (A)		34	11411-10010	WASHER, Plain	4
10	00682-11300	PLATE (R. H.), Feet		35	12140-00008	PIN, Snap	2
11	00682 11400	PLATE (L. H.), Feet		36	00070-00023	SPRING	1
12	00682-11600	HOOK		37	00682-13000	PLATE, Rubber	1
13	00682 12600	PLATE		38	11000-41030	BOLT	2
14	00682-11800	PLATE		39	11400-20010	WASHER, Spring	2
15	00682 11900	KNOB		40	00036-00006	WASHER	4
16	01482-53900	PLATE	4	41	11300-40100	NUT	2
17	00682-12100	ROD	1	42	00036-08252	WASHER	6
18	00682 12200	YOKB	1	43	00036-08003	WASHER	4
19	00982-21700	KNOB	1	44	11000-40835	BOLT	4
20	00682-12500	HINGE	2	45	00682-15400	COVER	1
21	00040-08021	PIN	2	46	00682 15600	STAGE (B)	1
22	11000-40816	BOLT	40				
23	11000-40616	BOLT	10				
24	11400-20000	WASHER, Spring	44				
25	11400-20006	WASHER, Spring	10				

NOTE #193- with Breaker Circuit Type

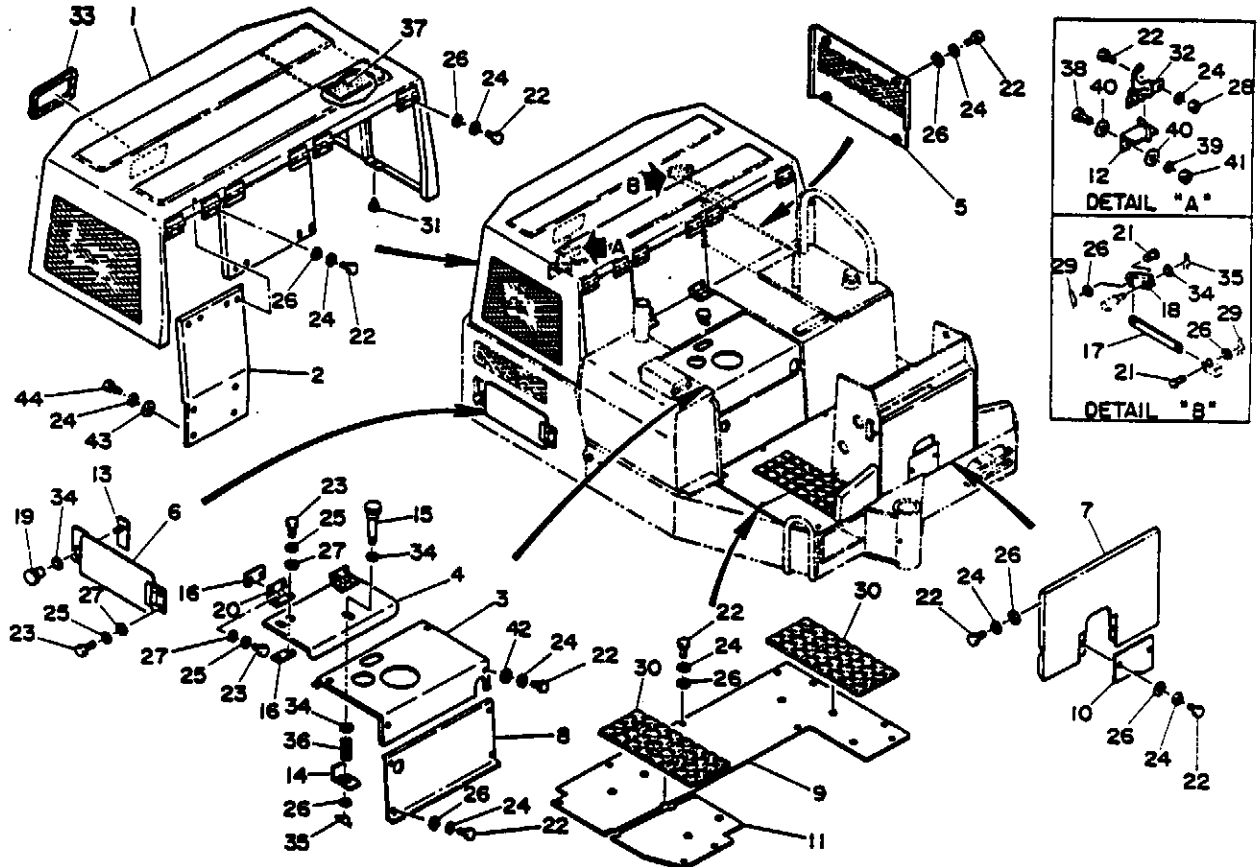
Fig.24-3 L/2

NOTE

#193- with Breaker Circuit Type

Fig.24-3 L/2

FIG. 24-4 COVERS



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00682-10100	COVER, Engine	1		26	11411-10000	WASHER, Plain	30	
2	00682-10400	COVER (C), Engine	1		27	11411-10000	WASHER, Plain	10	
3	00682-15100	PANEL, Center	1		28	11300-40000	NUT	2	
4	00682-10700	COVER, Center	1		29	12140-00000	PIN, Snap	2	
5	00682-10800	PLATE, Rear Side	1		30	18539-00002	CUSHION	2	
6	00682-10900	COVER	1		31	18525-05400	CUSHION, Rubber	4	
7	00682-15200	COVER, Valve Stand	1		32	18536-10304	LOCK ASSY	1	
8	00682-15300	PLATE, Center	1		33	18546-00100	TRIM	1	
9	00682-15300	STAGE (A)	1		34	11411-10010	WASHER, Plain	4	
10	00682-15400	COVER	1		35	12140-00000	PIN, Snap	2	
11	00682-15600	STAGE (B)	1		36	00870 00023	SPRING	1	
12	00682-11600	HOOK	1		37	00682-13000	PLATE, Rubber	1	
13	00682 12600	PLATE	1		38	11000-41030	BOLT	2	
14	00682-11800	PLATE	1		39	11400-20010	WASHER, Spring	2	
15	00682-11900	KNOB	1		40	00036-00006	WASHER	4	
16	01462-53900	PLATE	4		41	11300-40100	NUT	2	
17	00682-12100	ROD	1		42	00036-08252	WASHER	4	
18	00682-12200	YOKE	1		43	00036-08003	WASHER	4	
19	00982-21700	KNOB	1		44	11000-40835	BOLT	4	
20	00682-12500	HINGE	2						
21	00040-08021	PIN	2						
22	11000-40816	BOLT	38						
23	11000-40816	BOLT	10						
24	11400-20008	WASHER, Spring	39						
25	11400-20006	WASHER, Spring	10						

NOTE For England & U.S.A. #193-

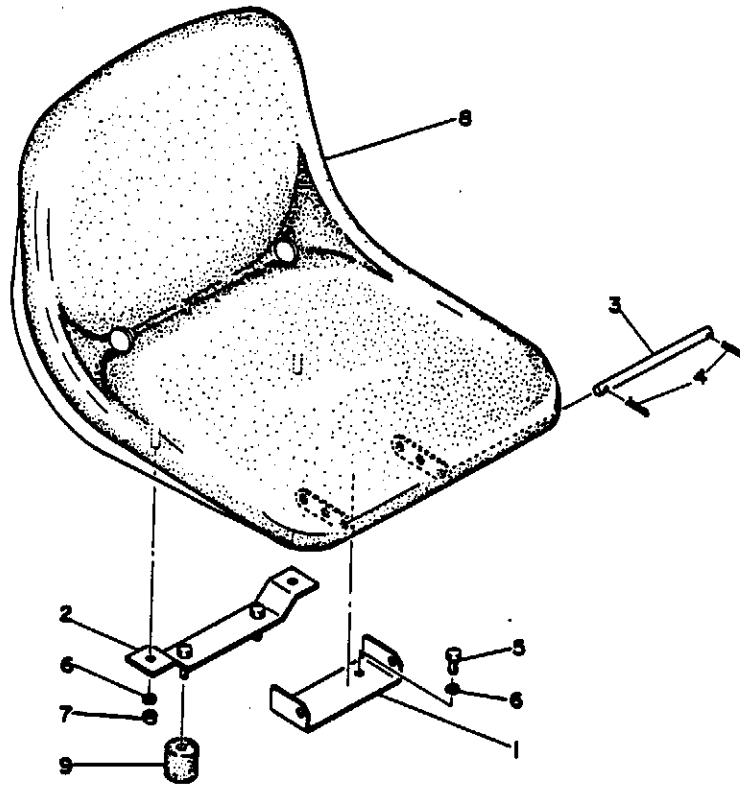
Fig. 24-4 L/2

NOTE

For England & U.S.A. #193-

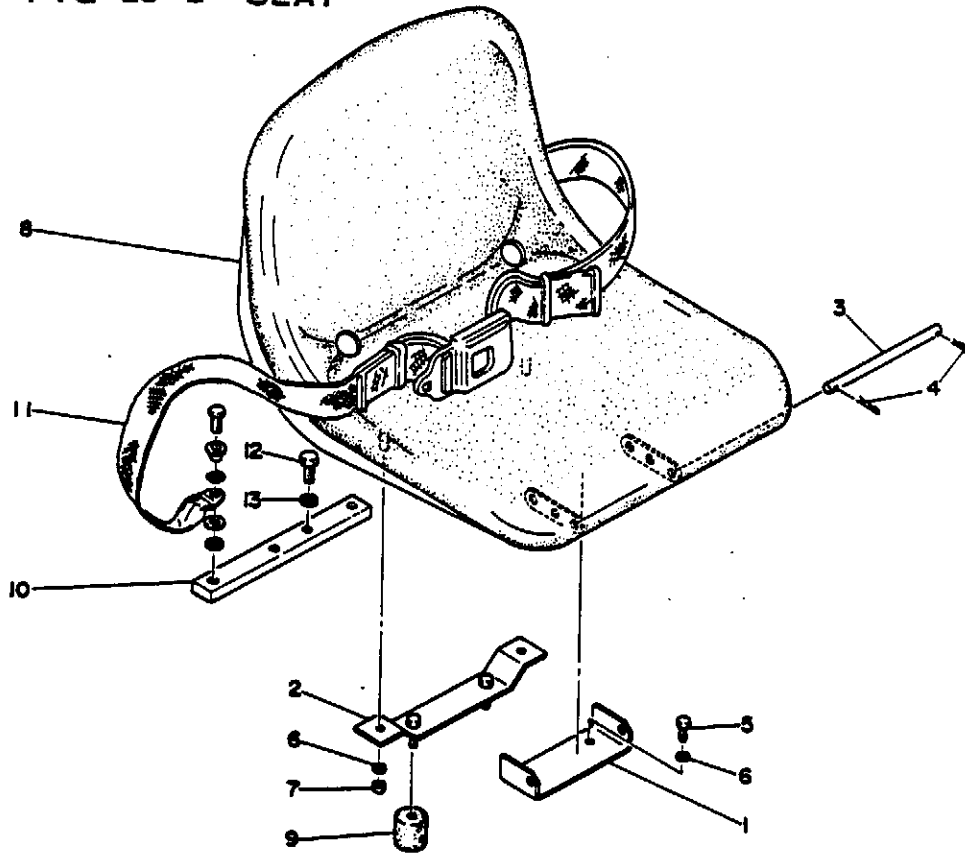
Fig. 24-4 R/2

FIG. 25-1 SEAT



PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 00034-10100	BRACKET	1	
2 00034-10200	PLATE	1	
3 00034-20200	PIN	1	
4 12140-00000	PIN, Spring	2	
5 11000-40016	BOLT	2	
6 11400-10000	WASHER, Spring	4	
7 11300-50000	NUT	2	
8 19141-00001	SEAT ASSY	1	
9 19141-00015	CUSHION, Rubber	2	

FIG. 25-2 SEAT



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00634-10100	BRACKET	1	
2	00634-10200	PLATE	1	
3	00934-20200	PIN	1	
4	12140-00000	PIN, Snap	2	
5	11000-40816	BOLT	2	
6	11400-10000	WASHER, Spring	4	
7	11300-50000	NUT	2	
8	10141-00001	SEAT ASSY	1	
9	10141 00015	CUSHION, Rubber	2	
10	00634 11100	PLATE	1	
11	10141 00003	BELT ASSY, Seat	1	
12	11000-40825	BOLT	2	
13	11400-20000	WASHER, Spring	2	

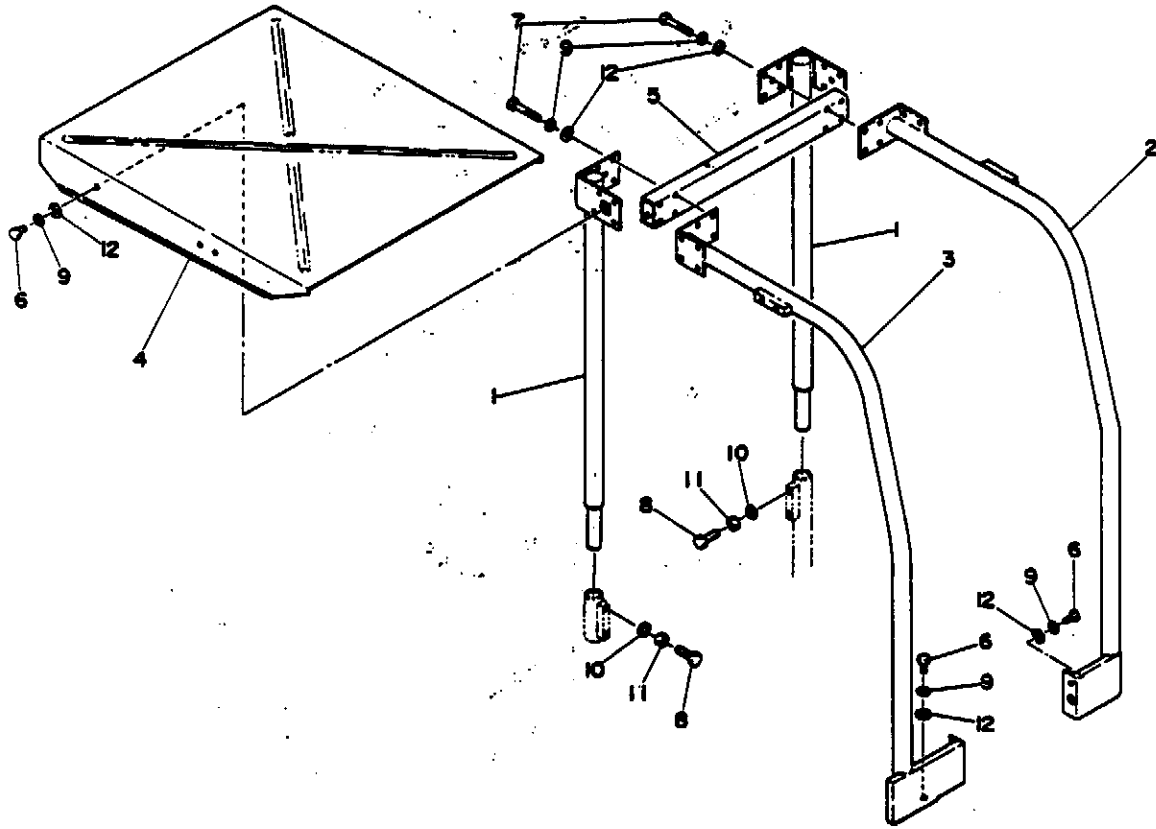
NOTE

REF. 8337~

FIG. 25-1/1

FIG. 26-1 CANOPY

FOR S/N' s/ 65001-259



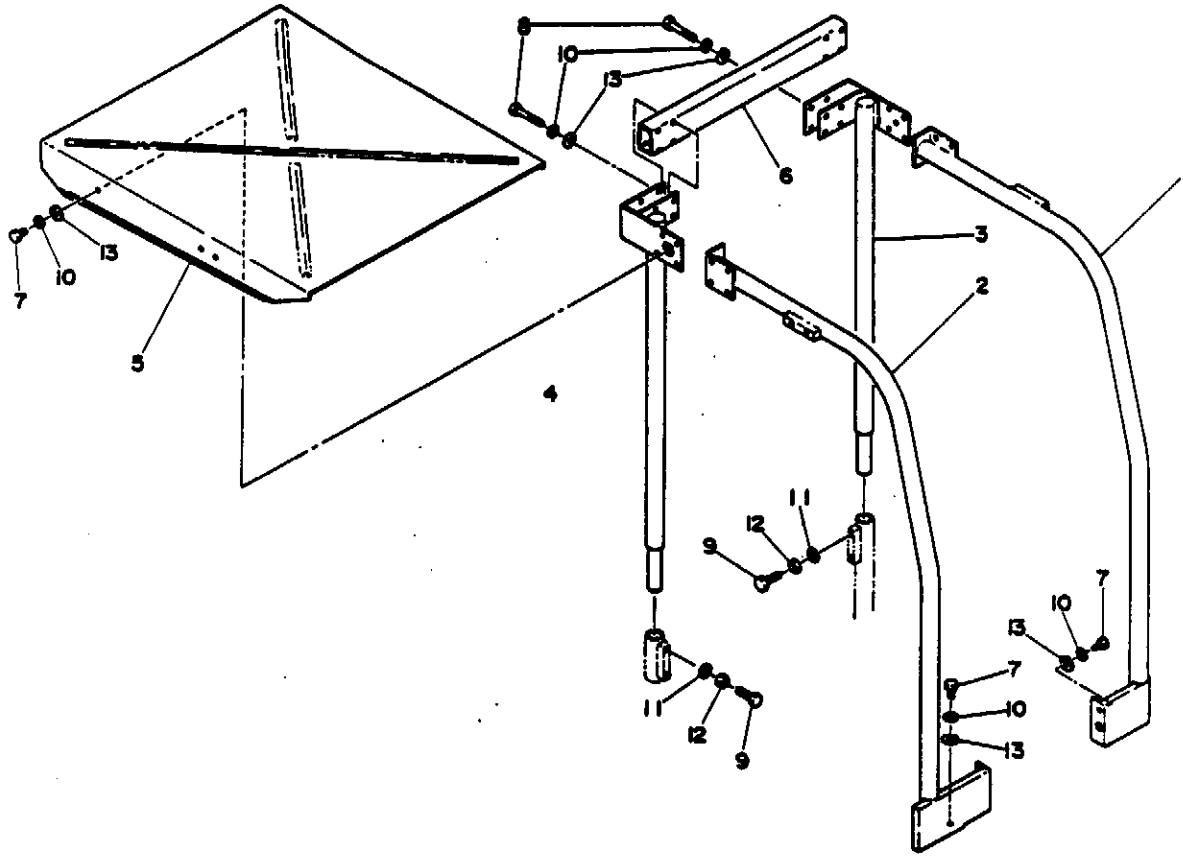
Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
	1	80684-13100 POLE	2	
	2	80684-13200 POLE (F. L.)	1	
	3	80684-13300 POLE (F. R.)	1	
	4	80684-13400 CANOPY	1	
	5	80684-13500 PIPE, Square	1	
	6	11000-40816 BOLT	19	
	7	11000-40865 BOLT	8	
	8	11002-41040 BOLT	4	
	9	11400-10008 WASHER, Spring	27	
	10	11400-10010 WASHER, Spring	4	
	11	11300-40010 NUT	4	
	12	11411-10008 WASHER, Plain	27	

NOTE

For England & U.S.A. 81-8259 (Group 814, 8174, 8180) FIG. 26-1 L/1

FIG. 26-2 CANOPY

FOR S/N's 65145, 65174, 65190, 65260 and 65



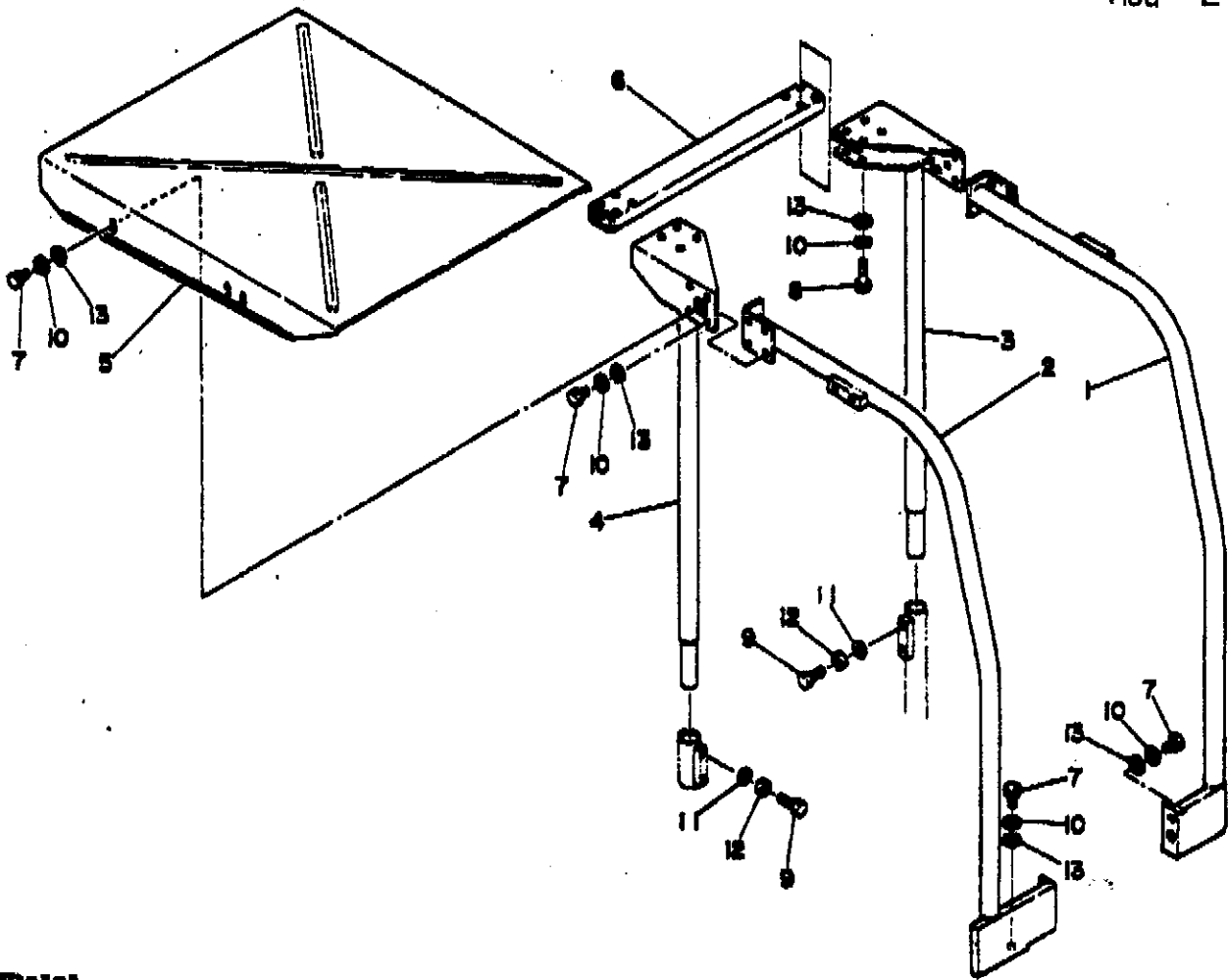
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00004-15100	POLE (F. L.)	1	} 600.60
2	00004-15200	POLE (F. R.)	1	
3	00004-15300	POLE (R. L.)	1	
4	00004-15400	POLE (R. R.)	1	
5	00004-15500	CANOPY	1	
6	00004-13500	PIPE Square	1	
7	11000-40016	BOLT	10	4.37
8	11000-40005	BOLT	8	3.28
9	11002-41040	BOLT	4	2.04
10	11400-10008	WASHER Spring	20	1.87 15.78
11	11400-10010	WASHER Spring	4	0.32
12	11300-40010	NUT	4	1.32
13	11411-10008	WASHER Plain	20	2.16

CANOPY ASSY
 LIST 616.38 → 616.00

NOTE

For Details & U.S.A. 0145-0174-0190-000 -

FIG. 26-2/1



30-073-2-5

QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00684-15100	POLE (P. L.)	1	00684-15100
1	00684-15200	POLE (P. R.)	1	00684 15200
1	00684-16100	POLE (L. L.)	1	16100
1	00684-16200	POLE (L. R.)	1	16200
1	00684-18300	CANOPY	1	18300
1	00684-18500	PIPE Square	1	
10	11000-40815	BOLT	10	
8	11000-40855	BOLT	8	
4	11002-41040	BOLT	4	
27	11400-10000	WASHER, Spring	27	
4	11400-10010	WASHER, Spring	4	
4	11800-40010	NUT	4	
27	11411-10000	WASHER, Plain	27	

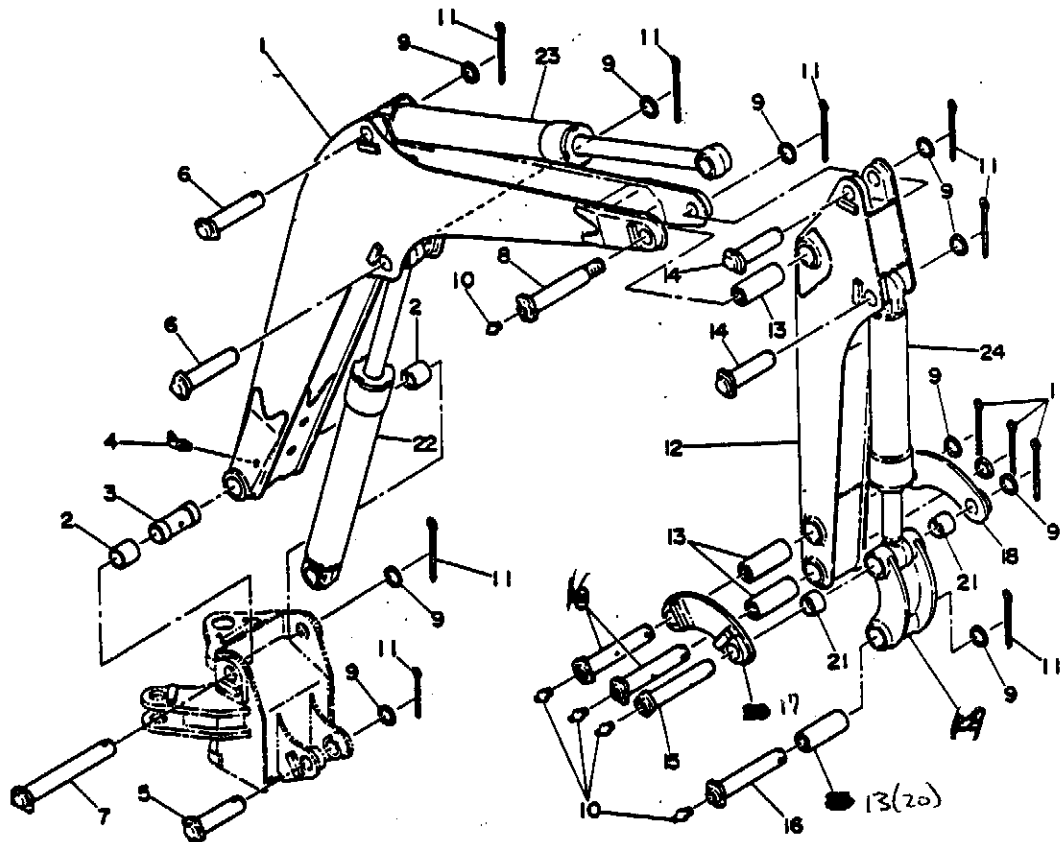
TB10S #651533 UP

651292 - Ditch witch
takes this one





FIG. 27-1 HOE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00760-90000	BOOM ASSY	1		0-1	00761-90000	ARM ASSY	1	
1	00760-00100	*BOOM	1		12	00761-00100	*ARM	1	
2	00023-30040	*BUSHING	2		13	00023-30104	*BUSHING	3	
3	00035-00013	*COLLAR	1		14	00010-30112	PIN	2	
4	15000-01900	*NIPPLE, Grease	1		15	00019-00036	PIN	1	
5	00010-30121	PIN	1		16	00013-30170	PIN	3	
6	00010-30137	PIN	2		17	00761-00700	PLATE (R. H)	1	
7	00010-30239	PIN	1		18	00761-00800	PLATE (L. H)	1	
8	00013-30170	PIN	1						
9	00030-30000	COLLAR	2						
	00030-30001	COLLAR	2						
	00030-30002	COLLAR	2						
	00030-30003	COLLAR	2						
	00030-30004	COLLAR	2						
	00030-30005	COLLAR	2						
10	15000 01000	NIPPLE, Grease	3						
11	12100-00845	PIN, Split	11						
22	19000-09900	CYLINDER, Boom	1						
23	19000-09900	CYLINDER, Arm	1						
24	19000-10000	CYLINDER, Bucket	1						

NOTE

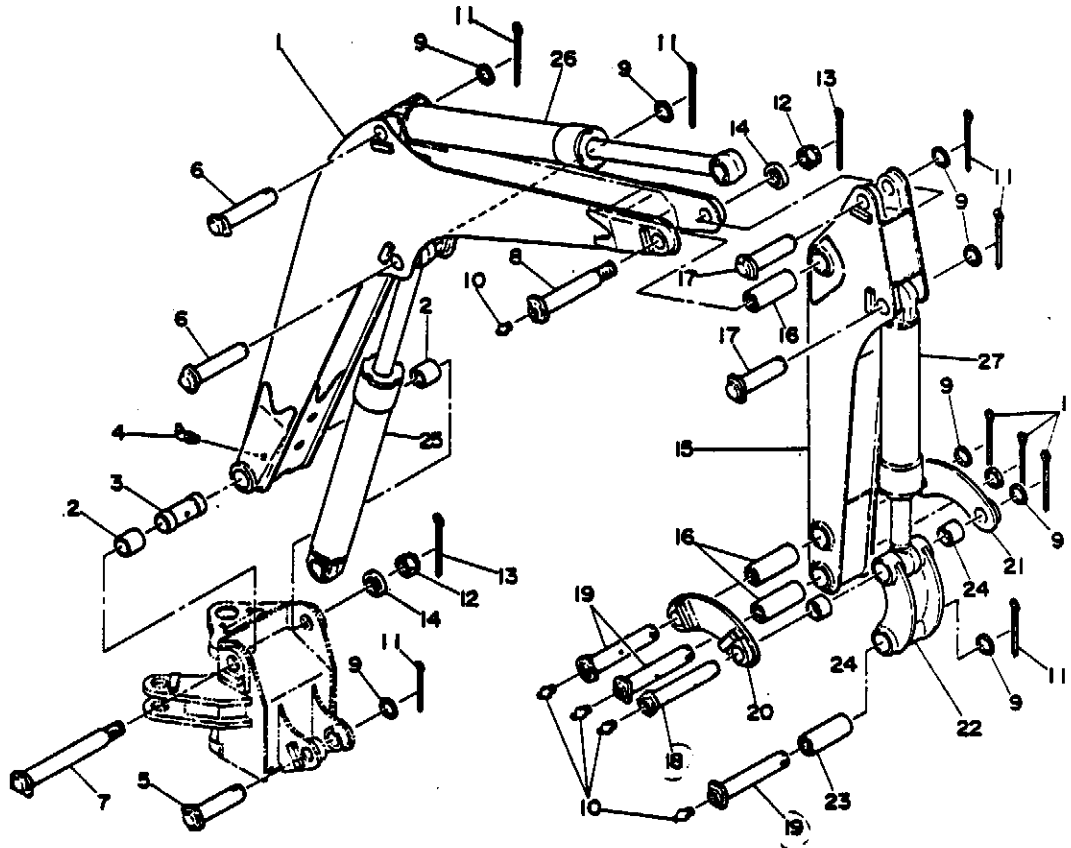
NOTE #1-#45

FIG. 27-1 1/2

#1-#45

FIG. 27-1 2/2

FIG. 27-2 HOE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00760-90010	BOOM ASSY	1		03	00761-90100	LINK ASSY. Arm	1	
1	00760-00200	*BOOM	1		22	00761-00900	*LINK Arm	1	
2	00023-30040	*BUSHING	2		23	00023-30104	*BUSHING	1	
1	00035-00013	*COLLAR	1		24	00021-00010	*BUSHING	2	
4	15600-01900	*NIPPLE Grease	1		25	19000-09800	CYLINDER Boom	1	
1	00010-30121	PIN	1		26	19000-09900	CYLINDER Arm	1	
2	00010-30137	PIN	2		27	19000-10000	CYLINDER Bucket	1	
1	00019-00049	PIN	1						
1	00019-00048	PIN	1						
9	00030-30000	COLLAR	9						
	00030-30001	COLLAR	9						
	00030-30002	COLLAR	9						
	00030-30003	COLLAR	9						
	00030-30004	COLLAR	9						
	00030-30005	COLLAR	9						
5	15600-01000	NIPPLE Grease	5						
3	12100-00845	PIN Split	3						
2	11325-20024	NUT	2						
2	12100-00545	PIN Split	2						
2	00039-00012	WASHER	2						
1	00761-90000	ARM ASSY	1						
1	00761-00100	*ARM	1						
3	00023-30104	*BUSHING	3						
2	00010-30112	PIN	2						
1	00019-00026	PIN	1						

NOTE #46~

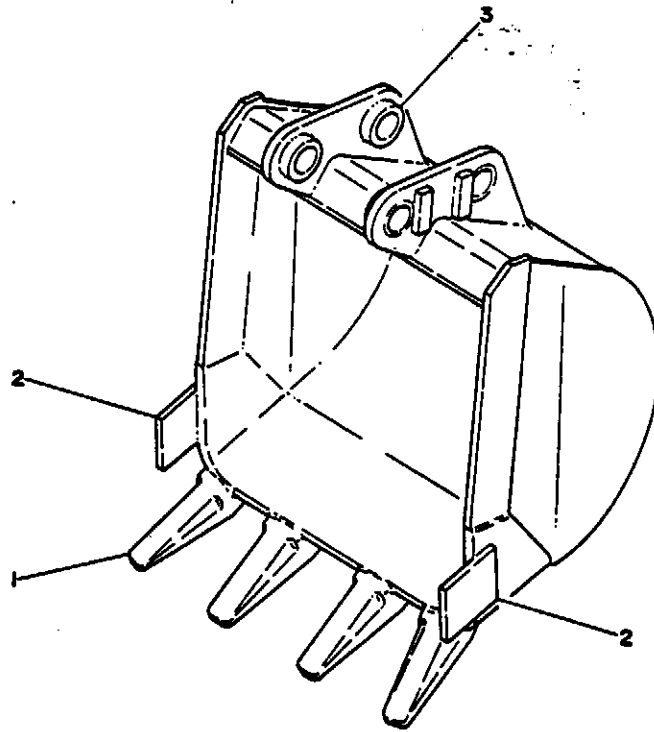
FIG. 27-2 1/2

NOTE

#46~

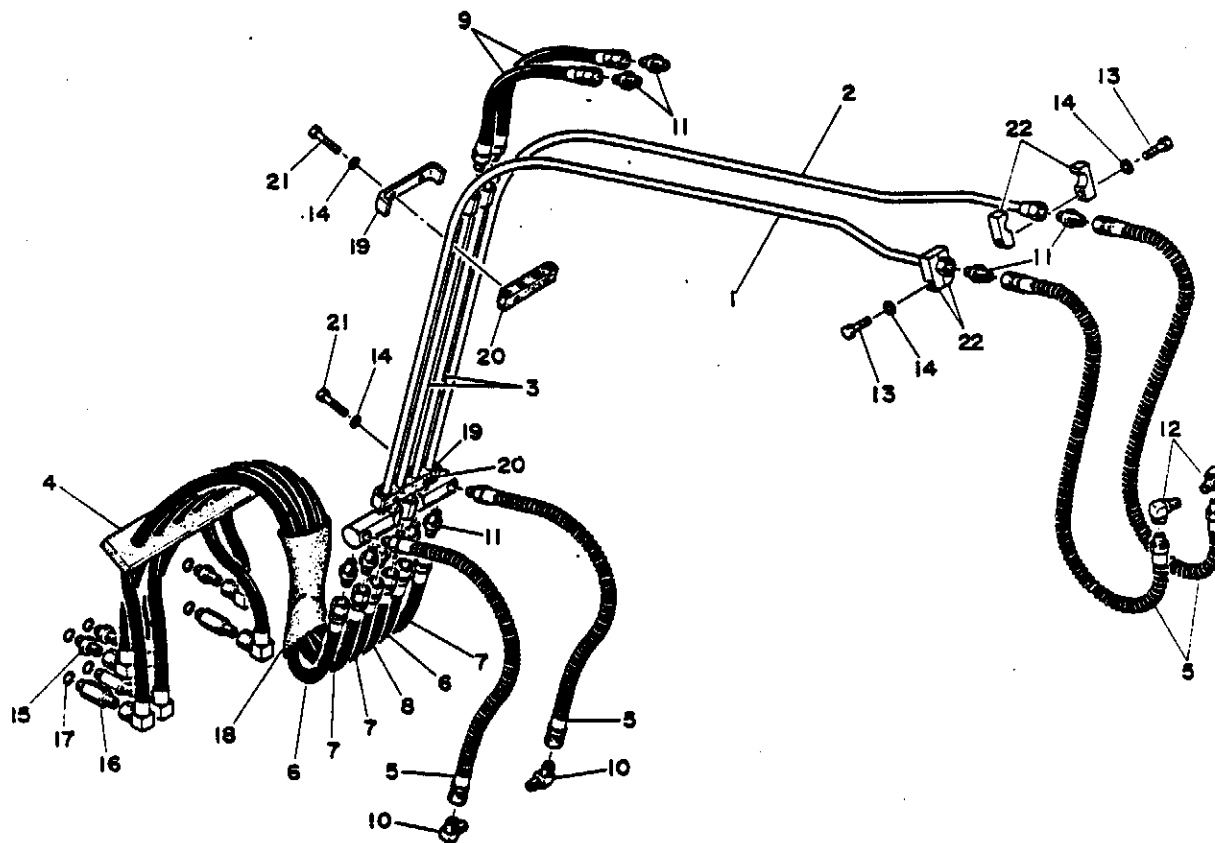
FIG. 27-2 2

FIG. 28 BUCKET



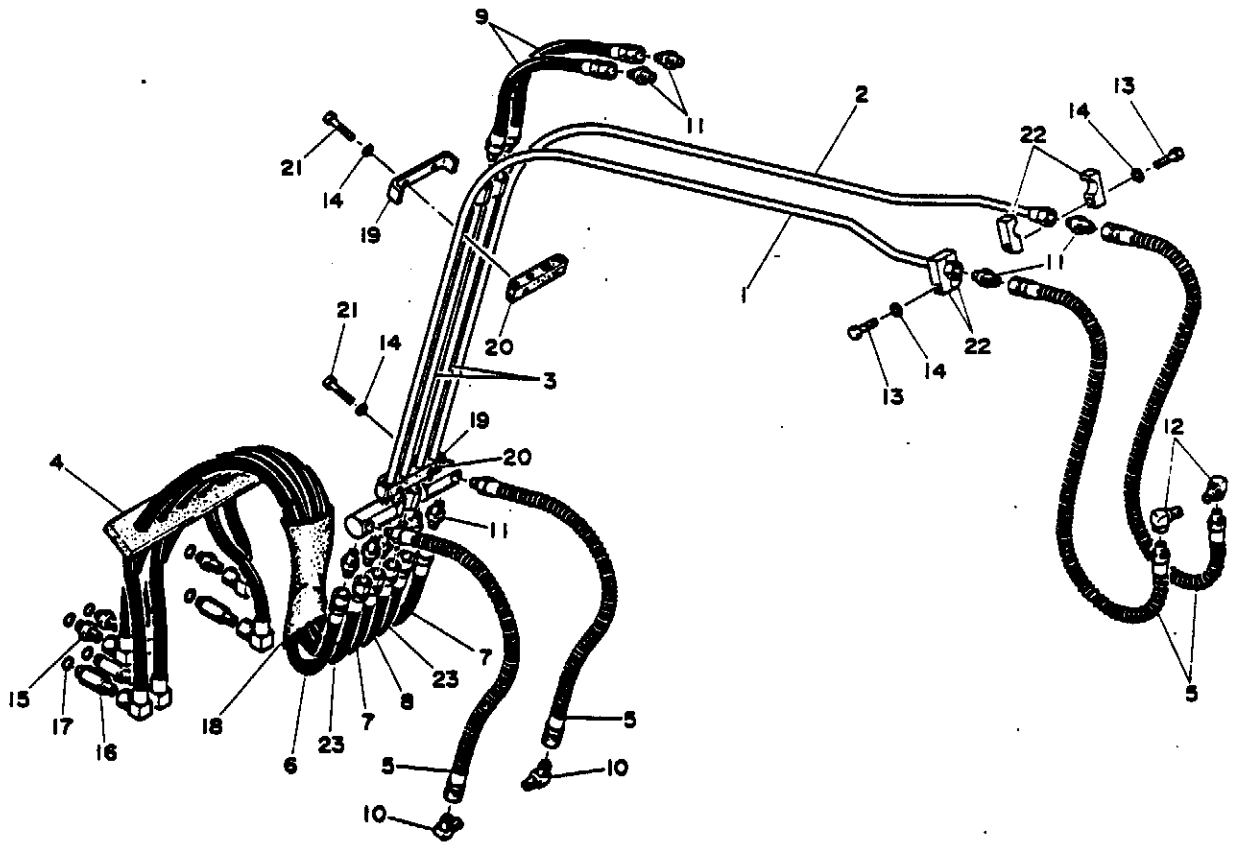
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00762-00400	BUCKET ASSY	1	
1	01662-00600	*TOOTH	4	
2	00762-00100	*CUTTER, S140	2	
3	00620-00000	*BUSHING	4	

FIG. 29-1 PIPING, HOE 1



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00773-00100	PIPE	1	
1	00773-00200	PIPE	1	
2	00773-00300	PIPE	2	
1	00673-10100	CLAMP, Rubber	1	
4	19081-00065	HOSE ASSY	4	
2	19094-00085	HOSE ASSY	2	
3	19094-00090	HOSE ASSY	3	
1	19094-00100	HOSE ASSY	1	
2	19080-00035	HOSE ASSY	2	
2	15111-00002	ELBOW, 90°	2	
10	15110-00002	ADAPTOR	10	
2	15013-00002	ELBOW, 90°	2	
2	11000-50030	BOLT	2	
6	11400-10000	WASHER, Spring	6	
3	00072-00075	ADAPTOR	3	
3	00072-00076	ADAPTOR	3	
6	14202-10906	O-RING	6	
1	15313-58500	HOSE	1	
2	00673-10200	CLAMP	2	
2	00673-10300	GUARD	2	
4	11000-50035	BOLT	4	
2	00760-90019	CLAMP	2	

FIG. 29-2 PIPING, HOE 1



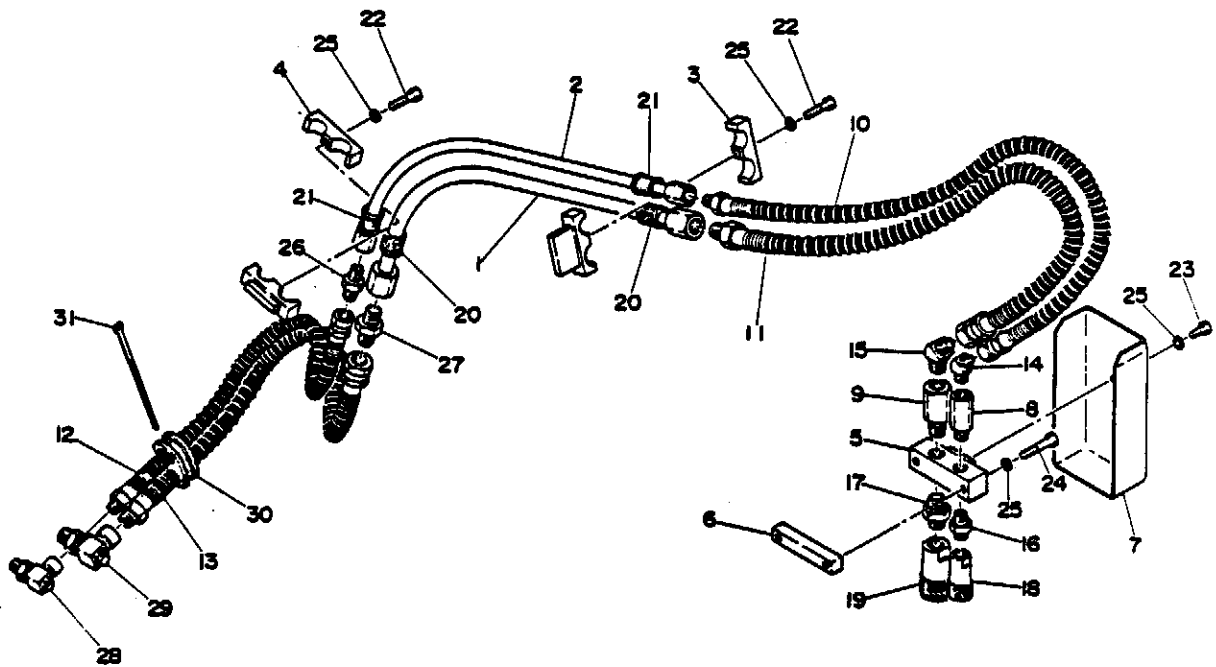
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00773-00100	PIPE	1	
2	00773-00200	PIPE	1	
3	00773-00300	PIPE	2	
4	00673-10100	CLAMP, Rubber	1	
5	19082-00065	HOSE ASSY	4	
6	19094-00085	HOSE ASSY	1	
7	19094-00090	HOSE ASSY	2	
8	19094-00100	HOSE ASSY	1	
9	19094-00035	HOSE ASSY	2	
10	15111-00002	ELBOW, 90°	2	
11	15110-00002	ADAPTOR	10	
12	15013-00002	ELBOW, 90°	2	
13	11000-50830	BOLT	2	
14	11400-10008	WASHER, Spring	6	
15	00072-00075	ADAPTOR	2	
16	00072-00076	ADAPTOR	2	
17	14203-10906	O-RING	8	
18	15313-55500	HOSE	1	
19	00673-10200	CLAMP	2	
20	00673-10300	GUARD	2	
21	11000-50835	BOLT	4	
22	00760-90019	CLAMP	2	
23	19094-00095	HOSE ASSY	2	

NOTE

Per Detail

FIG. 29-2 L/1

FIG. 30 PIPING, HOE 2



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00673-14100	PIPE	
2	00673-14200	PIPE	
3	01473-55600	CLAMP	
4	01573-11100	CLAMP	
5	01573-24500	ADAPTOR	
6	01573-25200	BAR, Flat	
7	01573-25500	COVER	
8	00072-00016	ADAPTOR	
9	00072-00003	ADAPTOR	
10	19081-09100	NOSE ASSY	
11	19081-12099	HOSE ASSY	
12	19081-09110	HOSE ASSY	
13	19081-12110	HOSE ASSY	
14	13112-00003	ELBOW, 45°	
15	15112-00004	ELBOW, 45°	
16	15015-00003	NIPPLE	
17	13015-00004	NIPPLE	
18	15166-00003	COUPLING	
19	15166-00004	COUPLING	
20	15314-28019	HOSE	2
21	01473-51300	HOSE	2
22	11000-50835	BOLT	2
23	11000-40816	BOLT	1
24	11000-40845	BOLT	2
25	11400-10008	WASHER, Spring	5

NOTE With Breaker Circuit Type

Fig.30 1/2

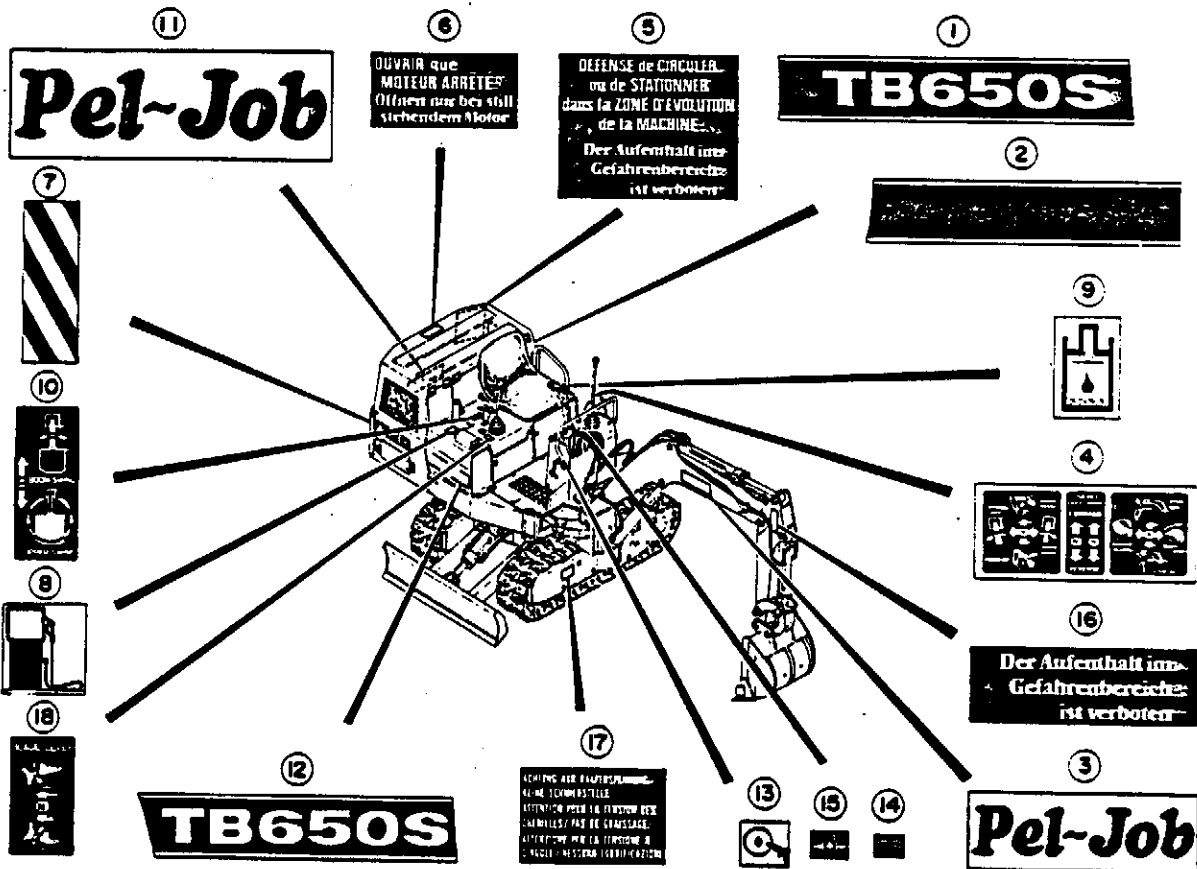
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
26	15110-00003	ADAPTOR	1
27	15110-00004	ADAPTOR	1
28	15140-00703	ELBOW, 90°	1
29	15140-00704	ELBOW, 90°	1
30	00972-10300	GUARD	1
31	16522-01000	BAND	1

NOTE

With Breaker Circuit Type

Fig.30 2/2

FIG. 31-1 STICKERS

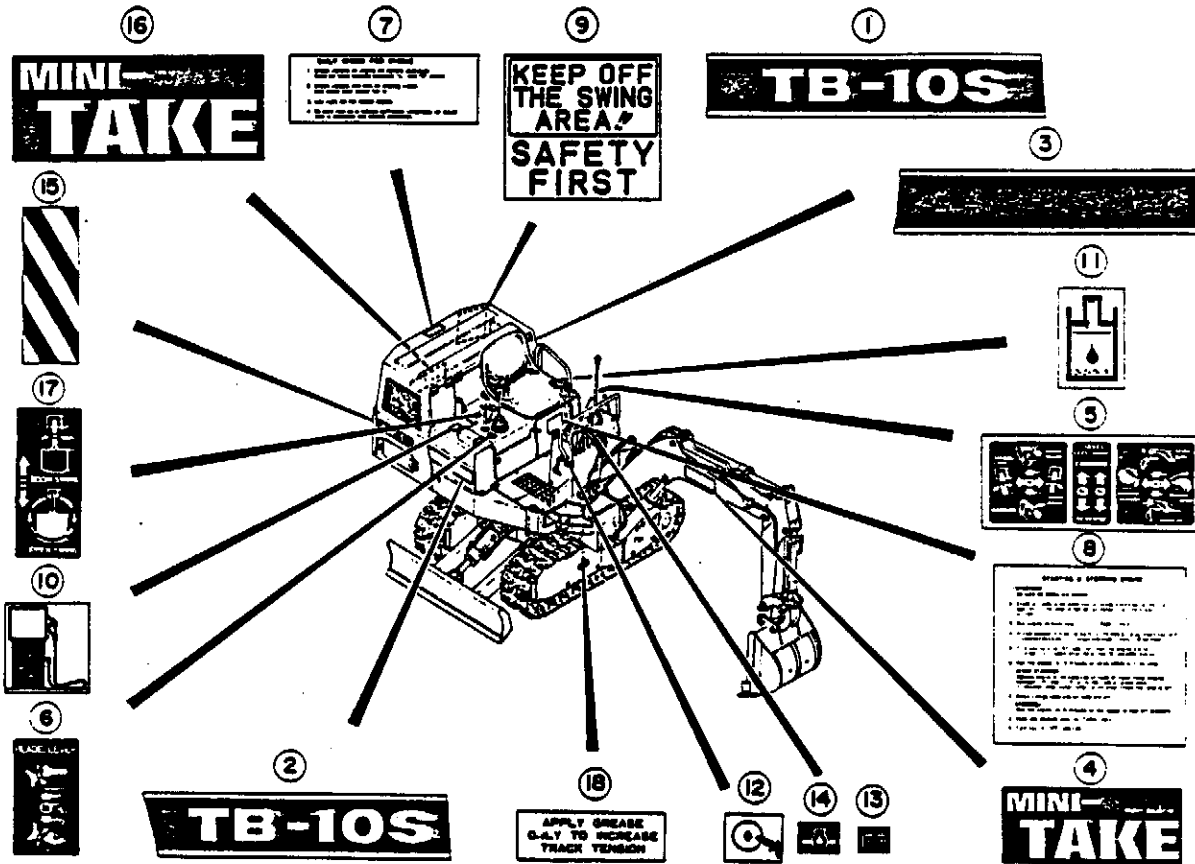


Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
01	00693-00000	STICKER SET	1	#100 ~
1	00693-20100	*STICKER	1	
2	00693-20200	*STICKER	1	
3	00693-20300	*STICKER	2	
4	01493-50500	*STICKER	1	#231 ~
5	02593-00300	*STICKER	1	
6	02593-00400	*STICKER	1	
7	02593-00500	*SYMBOL MARK	2	
8	02593-00600	*SYMBOL MARK	1	
9	02593-00700	*SYMBOL MARK	1	
10	00693-20800	*STICKER	1	
11	01593-00200	*STICKER	1	
12	00693-20500	*STICKER	1	
13	02593-00800	*SYMBOL MARK	1	
14	00693-20600	*SYMBOL MARK	1	
15	00693-20700	*SYMBOL MARK	1	
16	02593-01000	*STICKER	2	
17	01593-30100	*STICKER	2	
18	01793-12400	*STICKER	1	

NOTE

See Form

FIG. 31-4 STICKERS

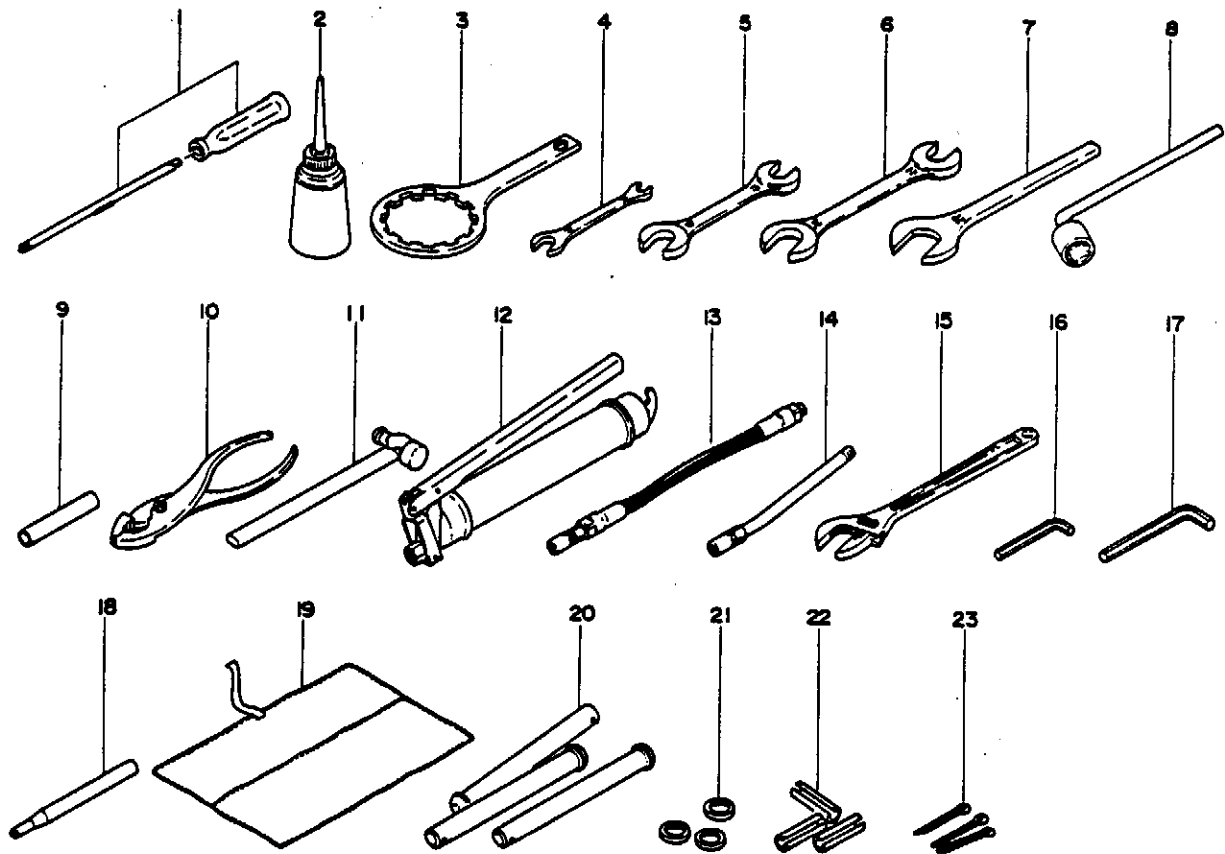


QTY	PARTS NUMBER	DESCRIPTION	REMARKS
01	00693-90100	STICKER SET	1
1	00693-28100	*STICKER	1
2	00693-28200	*STICKER	1
3	00693-28200	*STICKER	1
4	00693-27100	*STICKER	2
5	01493-58500	*STICKER	1
6	01493-57800	*STICKER	1
7	01493-57900	*STICKER	1
8	01493-59800	*STICKER	1
9	01593-20300	*STICKER	1
10	02593-00600	*SYMBOL MARK	1
11	02593-00700	*SYMBOL MARK	1
12	02593-00800	*SYMBOL MARK	1
13	00693-20600	*SYMBOL MARK	1
14	00693-20700	*SYMBOL MARK	1
15	02593-00500	*STICKER	2
16	00693-27200	*STICKER	1
17	00693-20800	*STICKER	1
18	01493-62200	*STICKER	2

NOTE

For S.S.L.

FIG. 32-1 TOOLS

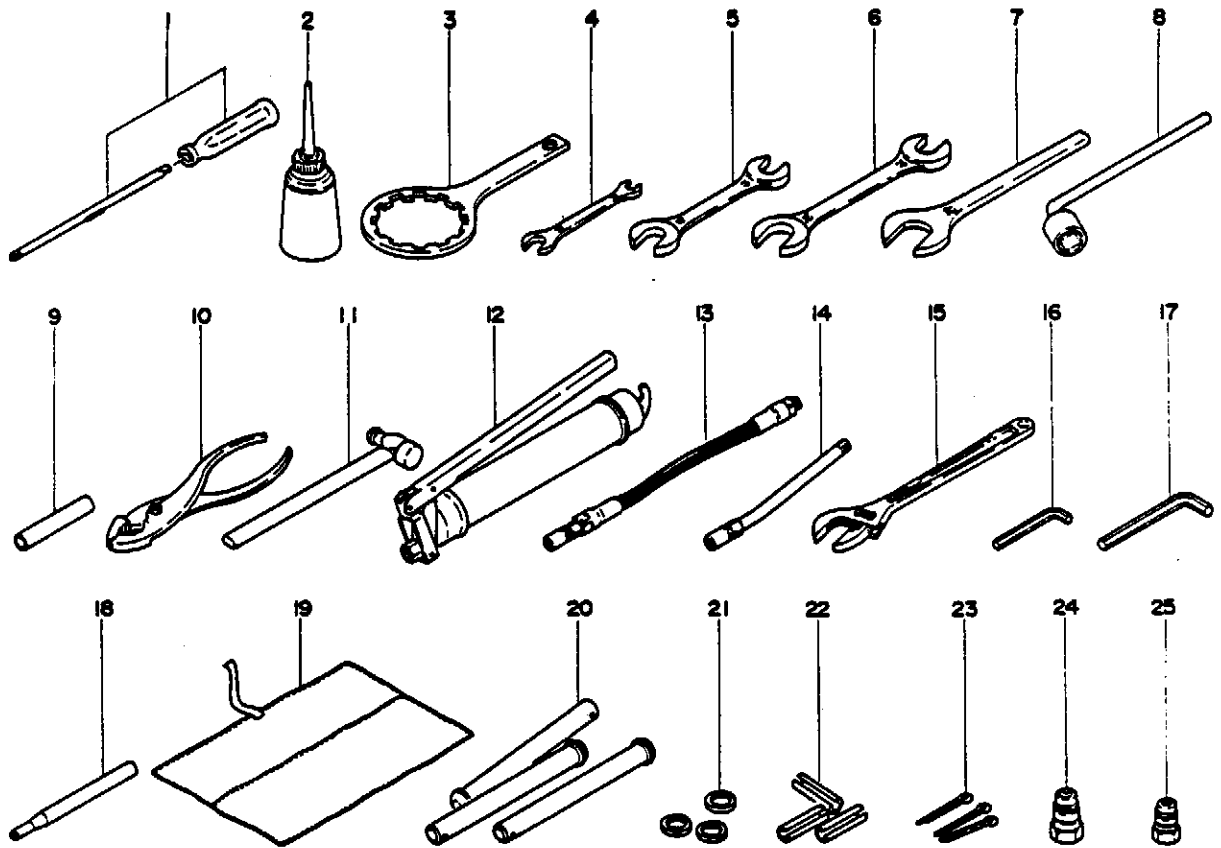


Qty	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	*****	DRIVER	1	
1	*****	FEEDER OIL	1	
1	*****	WRENCH Filter	1	
1	*****	SPANNER	1	
1	*****	SPANNER	1	
1	*****	SPANNER	1	
1	00692-90000	TOOL SET	1	
1	16901-00027	*SPANNER	1	
1	16908-31026	*WRENCH L-type	1	
1	00079-00009	*PIPE	1	
1	16905-00200	*PLIER	1	
1	16903-00330	*HAMMER	1	
1	16910-60300	*GUN Grease	1	
1	16911-10003	*NOZZLE	1	
1	16911-10004	*NOZZLE	1	
1	16904-00250	*MONKEY WRENCH	1	
1	16906-00400	*WRENCH Hex	1	
1	16906-00600	*WRENCH Hex	1	
1	00076-00001	*PUNCH	1	
1	16914-00001	*CASE Tools	1	
3	19140-09102	PIN Track	3	
4	19140-09103	WASHER	4	
4	12130-00620	PIN Spring	4	
3	12100-00845	PIN Split	3	

NOTE

81-8192. a/o Breaker Circuit Type FIG. 32-1 1/1

FIG. 32-2 TOOLS



1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	*****	DRIVER	1	
2	*****	FEEDER OIL	1	
3	*****	WRENCH, Fitter	1	
4	*****	SPANNER	1	
5	*****	SPANNER	1	
6	*****	SPANNER	1	
01	00892-90000	TOOL SET	1	
7	16901-00027	*SPANNER	1	
8	16908-31026	*WRENCH L-type	1	
9	00079-00009	*PIPE	1	
10	16905 00200	*PLIER	1	
11	16903-00330	*HAMMER	1	
12	16910 60300	*GUN Grease	1	
13	16911 10003	*NOZZLE	1	
14	16911-10004	*NOZZLE	1	
15	16904-00250	*MONKEY WRENCH	1	
16	16906-00400	*WRENCH Hex	1	
17	16906-00600	*WRENCH Hex	1	
18	00076-00001	*PUNCH	1	
19	16914-00001	*CASE Tools	1	
20	19140-09102	PIN Track	3	
21	19140-09103	WASHER	4	
22	12130-00620	PIN Spring	4	
23	12100-00845	PIN Split	3	
24	15167-00004	COUPLING	1	

NOTE #193- with Breaker Circuit Type

Fig.32-2 L/2

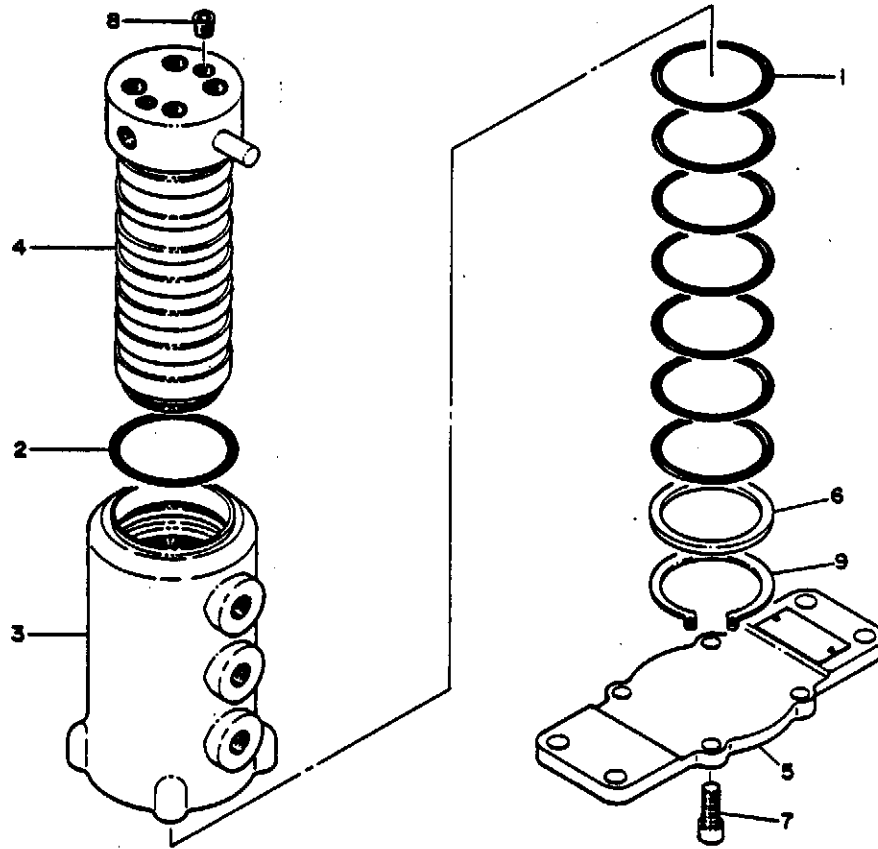
1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
25	15167-00003	COUPLING	1	

NOTE

#193- with Breaker Circuit Type

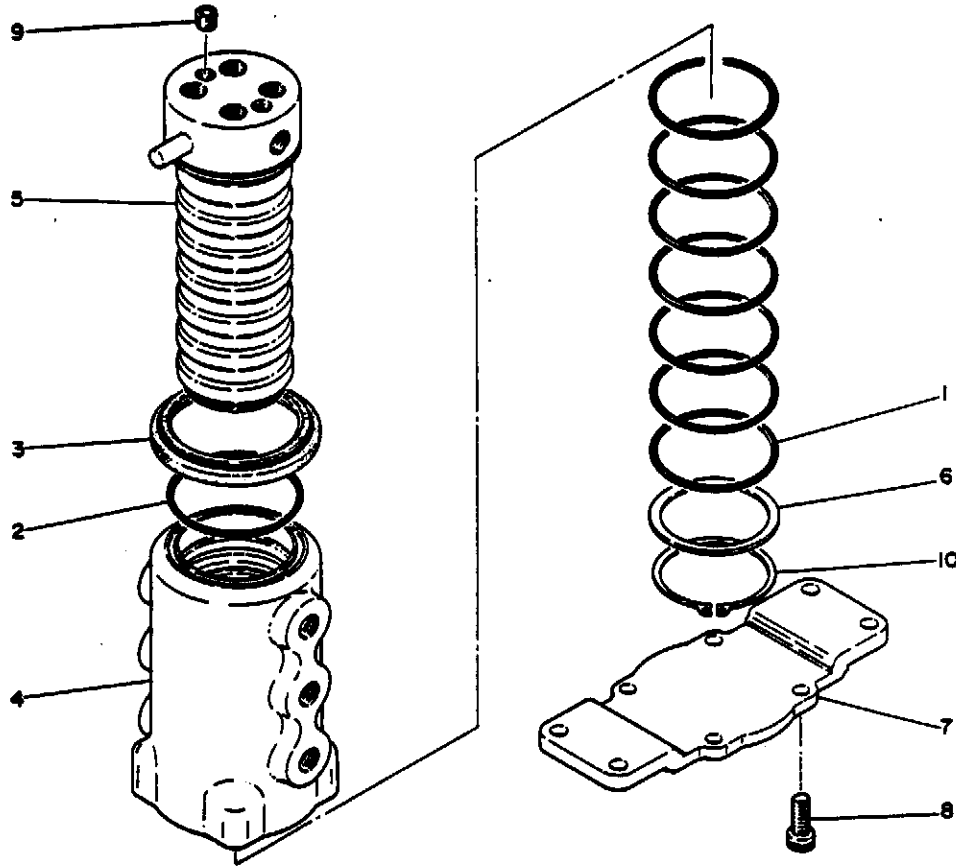
Fig.32-2 L/2

FIG. 33-1 SWIVEL JOINT



Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	19040-00000	JOINT ASSY, Swivel	1	
1	19040-00000	*KIT, Seal	1	
7	14201-10500	*O-RING	7	
1	14201-10550	*O-RING	1	
1	19040-00001	*HUB	1	
1	19040-00011	*SHAFT	1	
1	19040-00021	*FLANGE	1	
1	19040-00091	*WASHER	1	
4	11100-50020	*BOLT, Socket	4	
2	15018-20001	*PLUG	2	
1	12200-00050	*RING, Snap	1	

FIG. 33-2 SWIVEL JOINT

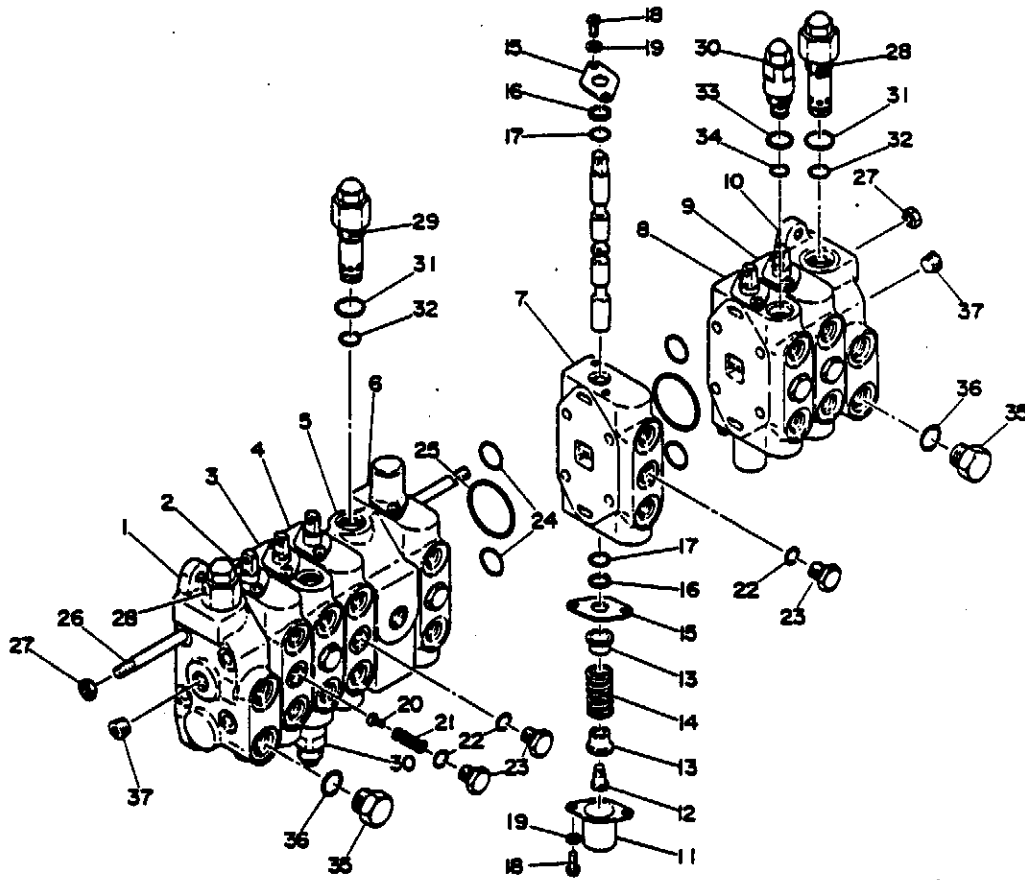


QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	19040-02900	JOINT ASSY. Swivel	1	
1	19040-01699	*KIT. Seal	1	
7	14203-10220	**O-RING	7	
1	14201-00600	**O-RING	1	
1	19040-01695	**SEAL. Dust	1	
1	19040-02901	*HUB	1	
1	19040-02911	*SHAFT	1	
1	19040-00891	*WASHER. Thrust	1	
1	19040-02921	*FLANGE	1	
4	11100-50820	*BOLT. Socket	4	
2	15010-20001	*PLUG	2	
1	19040-00893	*RING. Snap	1	

NOTE

SEE FIGS. 33-1, 33-2, 33-3, 33-4, 33-5, 33-6, 33-7, 33-8, 33-9, 33-10, 33-11, 33-12, 33-13, 33-14, 33-15, 33-16, 33-17, 33-18, 33-19, 33-20, 33-21, 33-22, 33-23, 33-24, 33-25, 33-26, 33-27, 33-28, 33-29, 33-30, 33-31, 33-32, 33-33, 33-34, 33-35, 33-36, 33-37, 33-38, 33-39, 33-40, 33-41, 33-42, 33-43, 33-44, 33-45, 33-46, 33-47, 33-48, 33-49, 33-50, 33-51, 33-52, 33-53, 33-54, 33-55, 33-56, 33-57, 33-58, 33-59, 33-60, 33-61, 33-62, 33-63, 33-64, 33-65, 33-66, 33-67, 33-68, 33-69, 33-70, 33-71, 33-72, 33-73, 33-74, 33-75, 33-76, 33-77, 33-78, 33-79, 33-80, 33-81, 33-82, 33-83, 33-84, 33-85, 33-86, 33-87, 33-88, 33-89, 33-90, 33-91, 33-92, 33-93, 33-94, 33-95, 33-96, 33-97, 33-98, 33-99, 33-100

FIG. 34-1 CONTROL VALVE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	19010-06100	VALVE ASSY. Control	1		25	14203-10030	*O-RING	9	
1	19010-05003	*HOUSING, Inlet	2		26	19010-04306	*TIE ROD	4	
2	19010-06013	*BLOCK ASSY. Bucket	1		27	11300-20008	*NUT	8	
3	19010-04311	*BLOCK ASSY. Beam	1		28	19010-00032	*VALVE Relief	2	
4	19010-06015	*BLOCK ASSY. Tractor (L.F.)	1		29	19010-00033	*VALVE Relief	1	
5	19010-04302	*HOUSING, Inlet	1		30	19010-00034	*VALVE Overload	2	
6	19010-06017	*BLOCK ASSY. Blade	1		31	14200-10100	*O-RING	3	
7	19010-06016	*BLOCK ASSY. Tractor (L.F.)	1		32	14200-10120	*O-RING	3	
8	19010-04312	*BLOCK ASSY. Arm	1		33	14200-10160	*O-RING	2	
9	19010-06014	*BLOCK ASSY. Stem & Ring	1		34	14200-10100	*O-RING	2	
10	19010-04301	*HOUSING, Inlet	1		35	15135-00008	*PLUG	2	
11	19010-04361	*COVER	7		36	14203-10008	*O-RING	2	
12	19010-04391	*END, Spool	7		37	15018-20002	*PLUG	2	
13	19010-04351	*HOLDER, Spring	14						
14	19010-04356	*SPRING	7						
15	19010-04341	*HOLDER, Seal	14						
16	14212-00500	*RING, Back-up	14						
17	14200-08120	*O-RING	14						
18	11205-20512	*SCREW, Pan Head	28						
19	11400-10005	*WASHER, Spring	28						
20	19010-04366	*PLUNGER, Check	5						
21	19010-04357	*SPRING	5						
22	14200-10100	*O-RING	7						
23	15135-00008	*PLUG	7						
24	14203-10017	*O-RING	18						

NOTE #1-#192

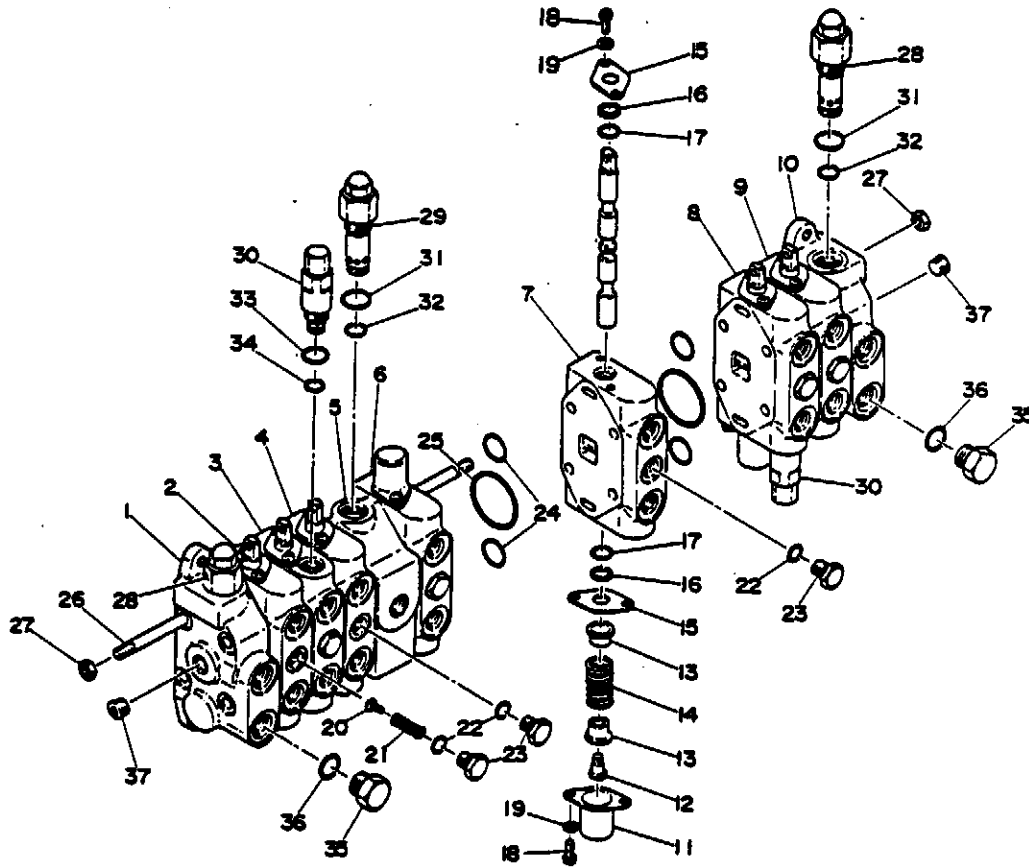
Fig. 34-1 L/2

NOTE

#1-#192

Fig. 34-1 L/2

FIG. 34-2 CONTROL VALVE



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	19010-00000	VALVE ASSY. Control	1	25	14203-10030	*O-RING	9
1	19010-05003	*HOUSING, Inlet	2	26	19010-04306	*TIE ROD	4
1	19010-06013	*BLOCK ASSY. Shim & Blade	1	27	11300-20008	*NUT	8
1	19010-06512	*BLOCK ASSY. Arm	1	28	19010-00032	*VALVE, Relief	2
1	19010-06013	*BLOCK ASSY. Traction (L.S.)	1	29	19010-00033	*VALVE, Relief	1
1	19010-04302	*HOUSING, Inlet	1	30	19010-00058	*VALVE, Overload	2
1	19010-06017	*BLOCK ASSY. Blade	1	31	14200-10100	*O-RING	3
1	19010-06016	*BLOCK ASSY. Traction (L.S.)	1	32	14200-10120	*O-RING	3
1	19010-06011	*BLOCK ASSY. Beam	1	33	14200-10160	*O-RING	2
1	19010-06014	*BLOCK ASSY. Bucket	1	34	14200-10100	*O-RING	2
1	19010-04301	*HOUSING, Inlet	1	35	15135-00008	*PLUG	2
7	19010-04361	*COVER	7	36	14203-10008	*O-RING	2
7	19010-04391	*END, Seal	7	37	15018-20002	*PLUG	2
16	19010-04351	*HOLDER, Spring	16				
7	19010-04356	*SPRING	7				
14	19010-04341	*HOLDER, Seal	14				
14	14212-00500	*RING, Back-up	14				
14	14200-00120	*O-RING	14				
2	11205-20512	*SCREW, Pan Head	2				
2	11400-10005	*WASHER, Spring	2				
5	19010-04366	*PLUNGER, Check	5				
5	19010-04337	*SPRING	5				
7	14200-10100	*O-RING	7				
7	15135-00008	*PLUG	7				
18	14203-10017	*O-RING	18				

NOTE Per England #1-8395

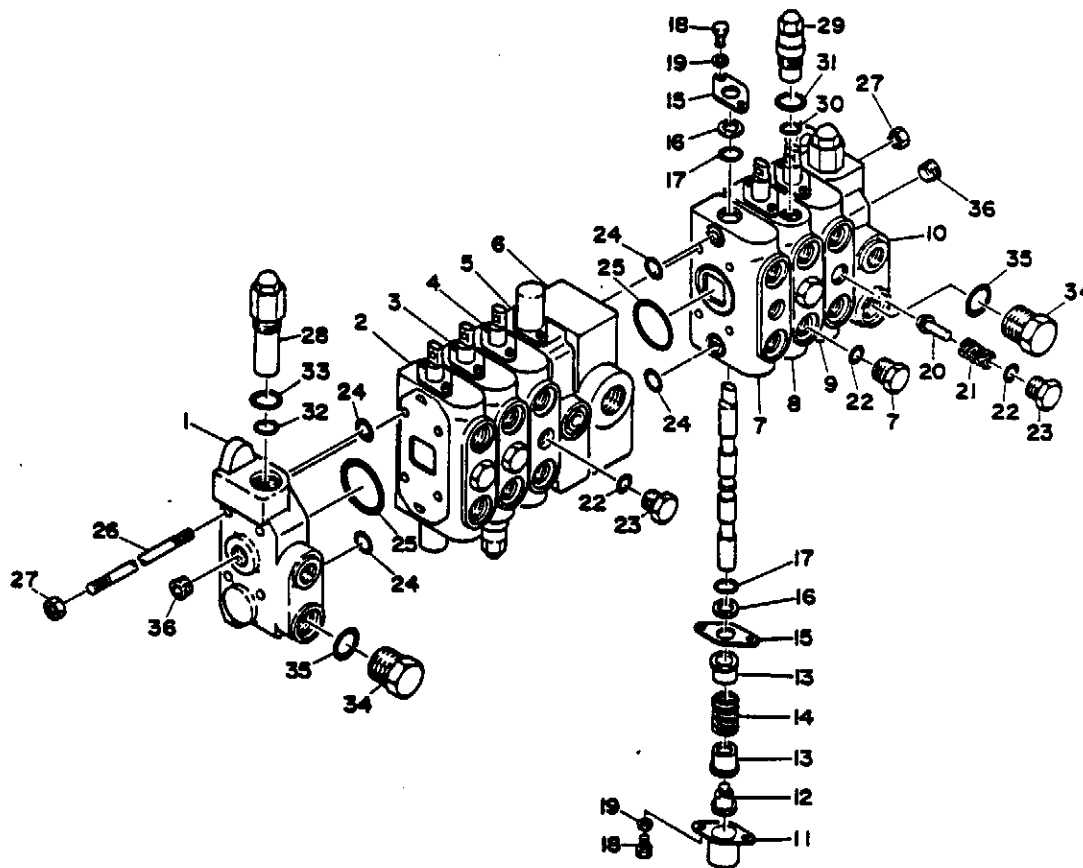
FIG. 34-2 1/2

NOTE

Per England #1-8395

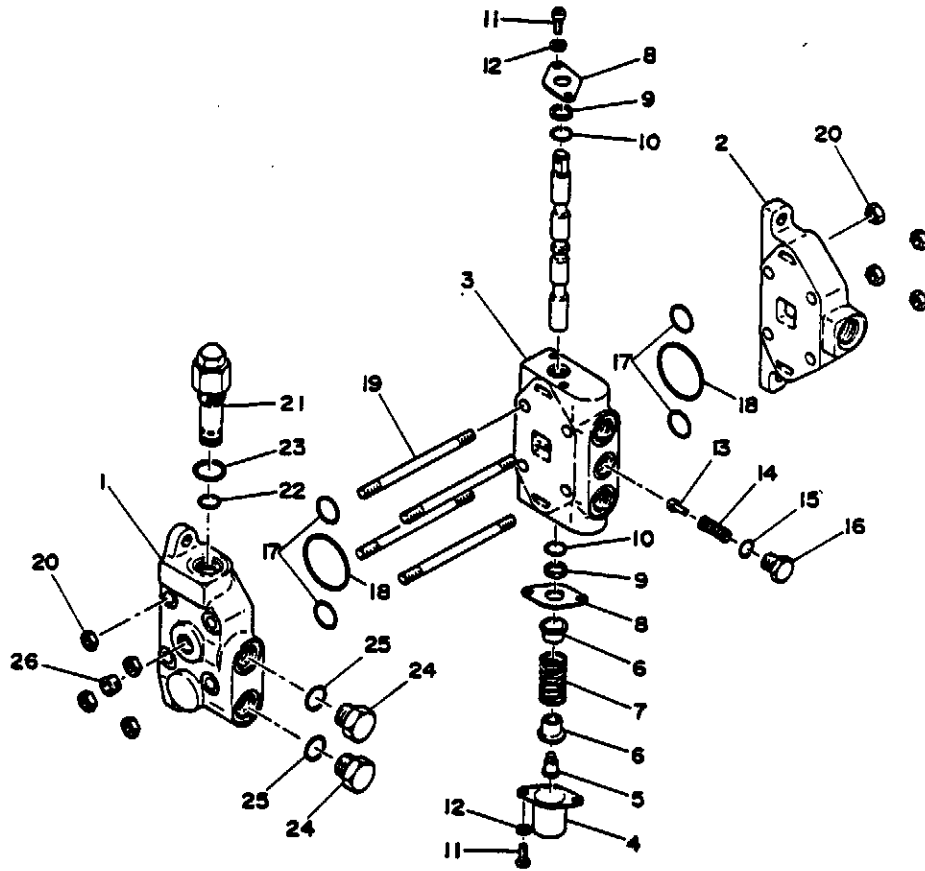
FIG. 34-2 2/2

FIG. 34-3 CONTROL VALVE



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	19010-07800	VALVE ASSY. Control	1	2	14203-10030	O-RING	9
1	19010-05803	HOUSING, Inlet	1	2	19010-04306	TIE ROD	4
2	19010-06013	BLOCK ASSY. Bucket	1	2	11300-20008	NUT	8
3	19010-04311	BLOCK ASSY. Beam	1	2	19010-00032	VALVE, Relief	2
4	19010-06015	BLOCK ASSY. Traction OB	1	2	19010-00034	VALVE, Overload	2
5	19010-07818	BLOCK ASSY. Breaker	1	2	14200-10120	O-RING	2
6	19010-07804	HOUSING, Outlet Center	1	2	14200-10180	O-RING	2
7	19010-06016	BLOCK ASSY. Traction OB	1	2	14200-10100	O-RING	2
8	19010-04312	BLOCK ASSY. Arm	1	3	14200-10160	O-RING	2
9	19010-06014	BLOCK ASSY. Slew	1	3	15135-00008	PLUG	2
10	19010-04301	HOUSING, Inlet	1	3	14203-10308	O-RING	2
11	19010-04361	COVER	7	3	15018-20002	PLUG	2
12	19010-04391	END, Spool	7				
13	19010-04351	HOLDER, Spring	14				
14	19010-04356	SPRING	7				
15	19010-04341	HOLDER, Seal	14				
16	14212-00500	RUNG, Back-up	14				
17	14200-00120	O-RING	14				
18	11205-20512	SCREW, Pan Head	2				
19	11400-10005	WASHER, Spring	2				
20	19010-04366	PLUNGER, Check	4				
21	19010-04357	SPRING	4				
22	14200-10100	O-RING	6				
23	15135-00008	PLUG	6				
24	14203-10017	O-RING	18				

FIG. 35 BLADE VALVE



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19010-08400	VALVE ASSY, Control	
1	19010-05003	*HOUSING, Inlet	
1	19010-08404	*HOUSING, Outlet	
1	19010-06013	*BLOCK ASSY, Blade	
1	19010-04361	**COVER	
1	19010-04351	**END, Spool	
2	19010-04351	**HOLDER, Spring	
1	19010-04356	**SPRING	
2	19010-04341	**HOLDER, Seat	
2	14212-00500	**RING, Back-up	
2	14200-00120	**O-RING	
4	11205-20510	**SCREW, Pan Head	
4	11400-10005	**WASHER, Spring	
1	19010-04366	**PLUNGER, Check	
1	19010-04357	**SPRING	
1	14200-10100	**O-RING	
1	15135-00003	**PLUG	
4	14203-10017	*O-RING	
2	14203-10030	*O-RING	
4	19010-08406	*TIE ROD	
8	11307-20008	*NUT	
1	19010-00033	*VALVE, Relief	
1	14200-10120	*O-RING	
1	14200-10180	*O-RING	
2	15135-00008	*PLUG	

NOTE #193-

Fig. 35 1/2

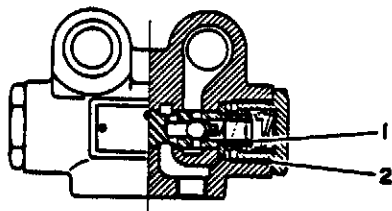
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
2	14203-10908	*O-RING	
1	19010-20002	*PLUG, Socket Head	

NOTE

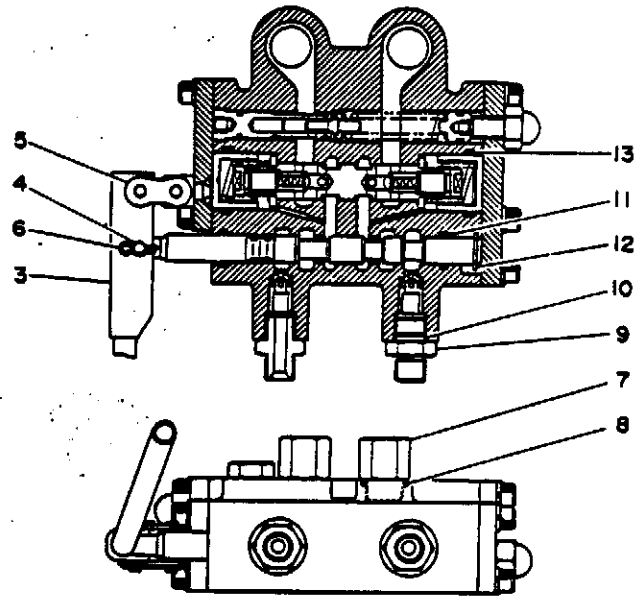
#193-

Fig. 35 2/2

FIG. 36 CB, VALVE & S. B. VALVE



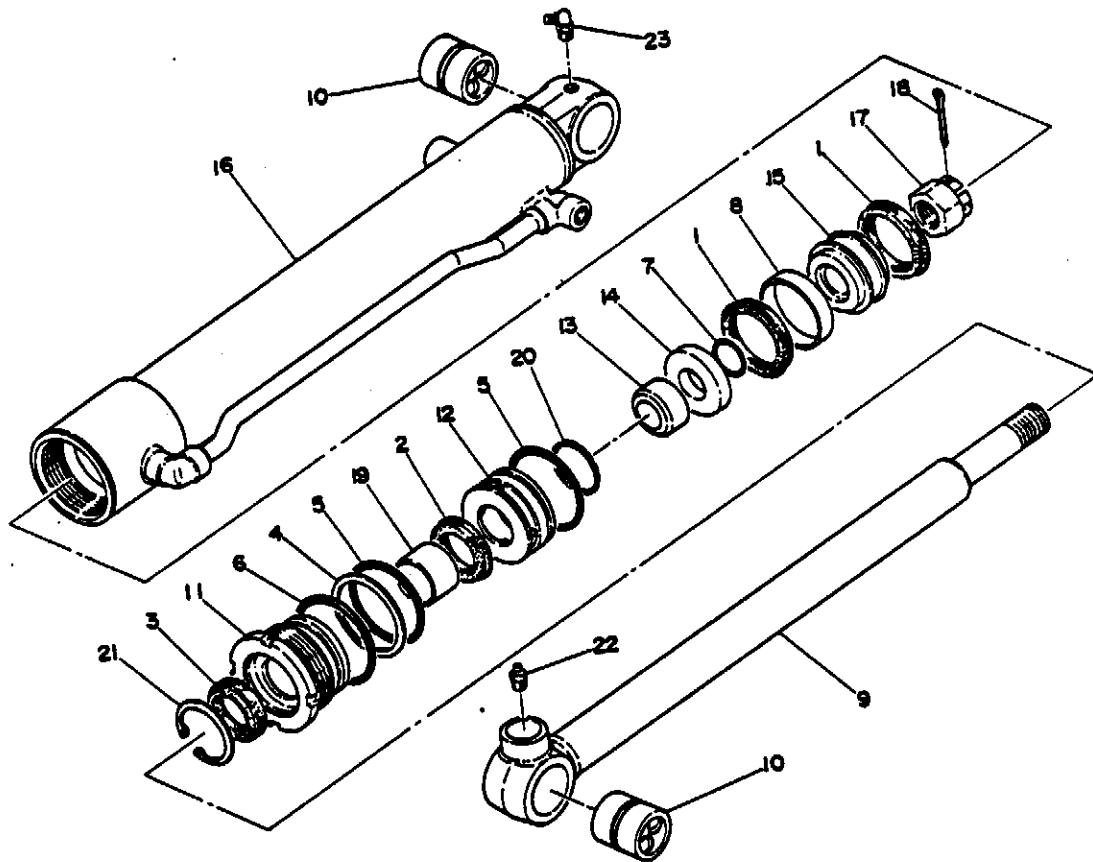
COUNTERBALANCE VALVE



SELECTOR & BRAKE VALVE

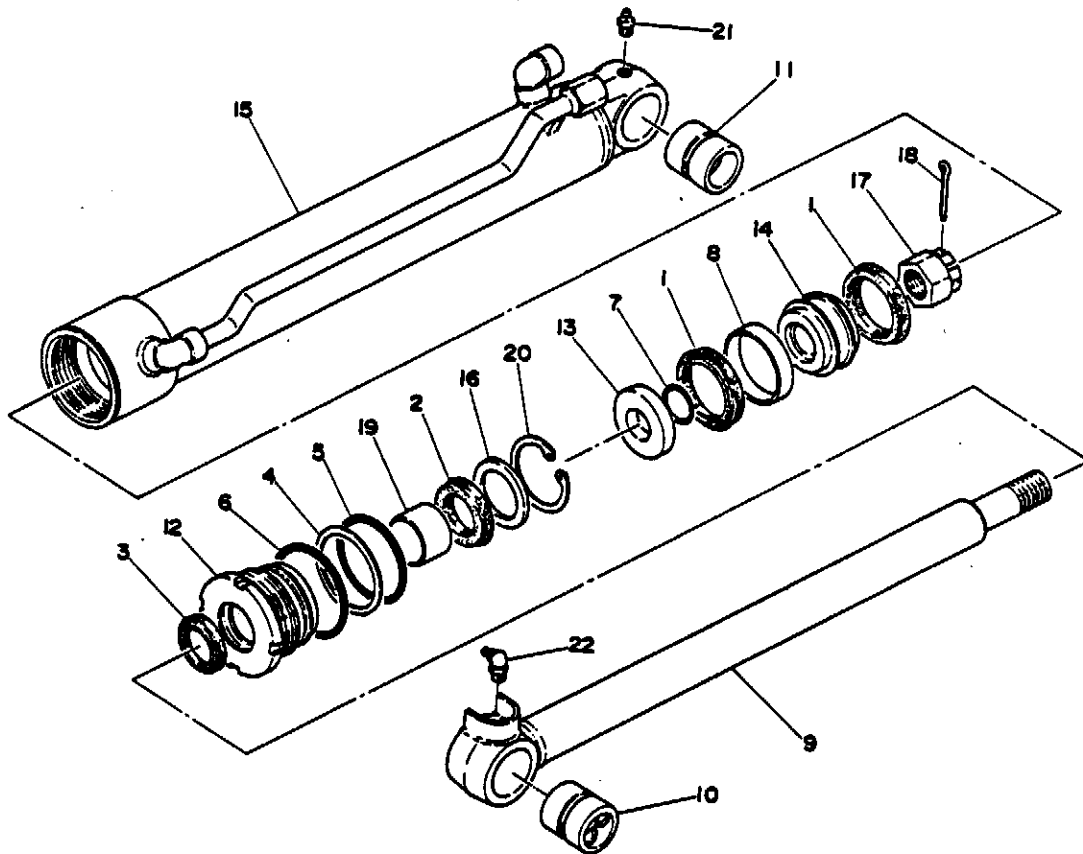
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	19015-00000	CB. VALVE	2	
1	14200-10070	*O-RING	2	
2	14200-10240	*O-RING	2	
02	19017-01400	S. & B. VALVE	1	
3	14330-10015	*LEVER	1	
4	00040-05117	*PIN	1	
5	16200-50003	*LINK ASSY	1	
6	12140-00004	*PIN, Snap	1	
7	15131-00020	*ADAPTOR	2	
8	14200-10110	*O-RING	2	
9	15131-00021	*ADAPTOR	2	
10	14200 10110	*O-RING	2	
11	14200-00120	*O-RING	2	
12	12200-00012	*RING, Snap	1	
13	14201-10250	*O-RING	2	

FIG. 37 BOOM CYLINDER



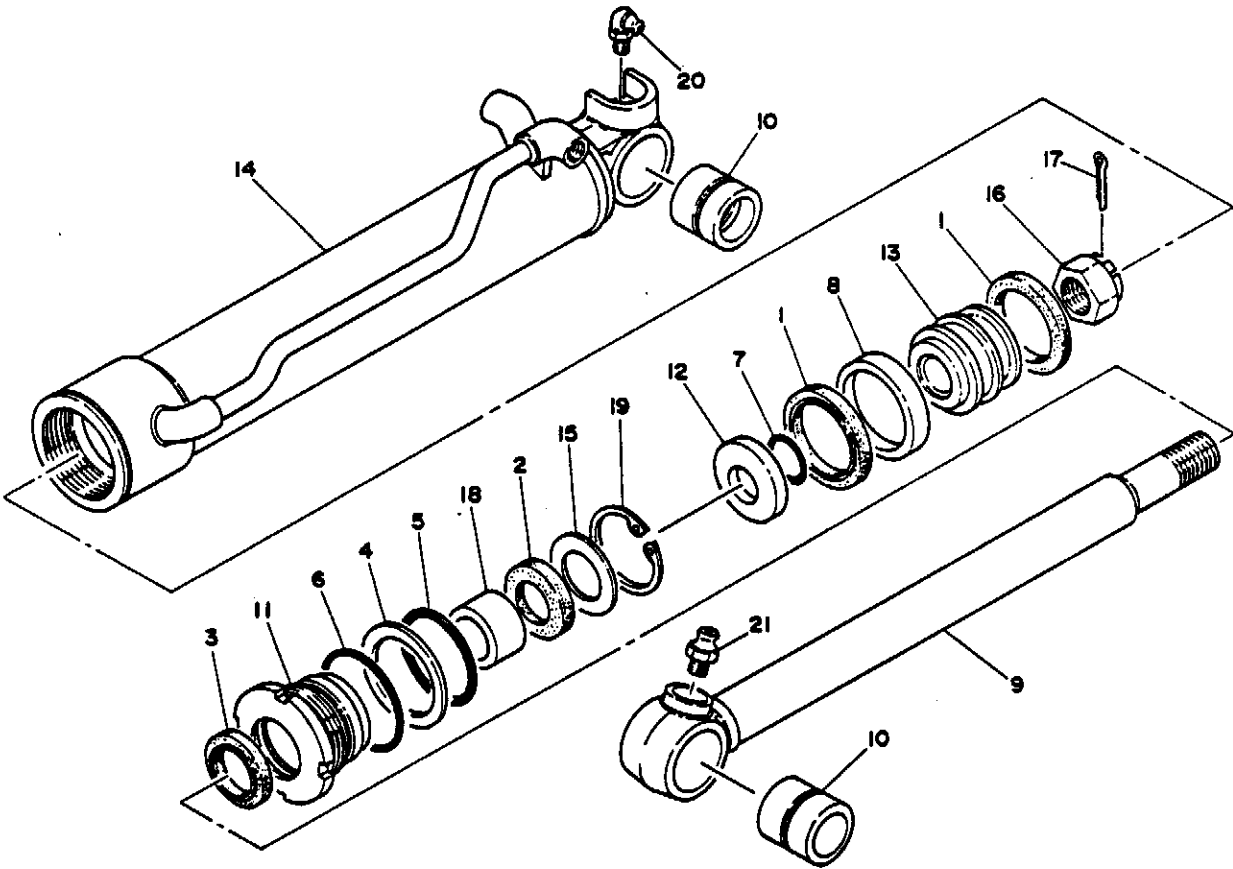
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	19000-09800	CYLINDER ASSY	1	
0-2	19000-09809	*KIT, Seal	1	
1	14100-00506	**PACKING, Piston	2	
2	14105-35458	**PACKING, Rod	1	
1	14111-00035	**SEAL, Dust	1	
4	14211-30600	**RING, Back-up	1	
5	14201-10600	**O-RING	2	
6	14201-10650	**O-RING	1	
7	14200-10240	**O-RING	1	
8	14107-06012	**WEARING	1	
9	19000-09801	*ROD, Piston	1	
10	19000-09802	*BUSHING	2	
11	19000-09803	*COVER, Rod	1	
12	19000-03704	*RETAINER	1	
13	19000-09805	*CUSHION, Rod	1	
14	19000-09850	*HOLDER, Packing	1	
15	19000-09806	*PISTON	1	
16	19000-09807	*TUBE	1	
17	19000-00309	*NUT	1	
18	12100-00545	*PIN, Split	1	
19	13330-03525	*BUSHING	1	
20	14300-00040	*SEAL, Cushion	1	
21	12210-00052	*RING, Snap	1	
22	15000-01000	*NIPPLE, Grease	1	
23	15000-01900	*NIPPLE, Grease	1	

FIG. 38 ARM CYLINDER



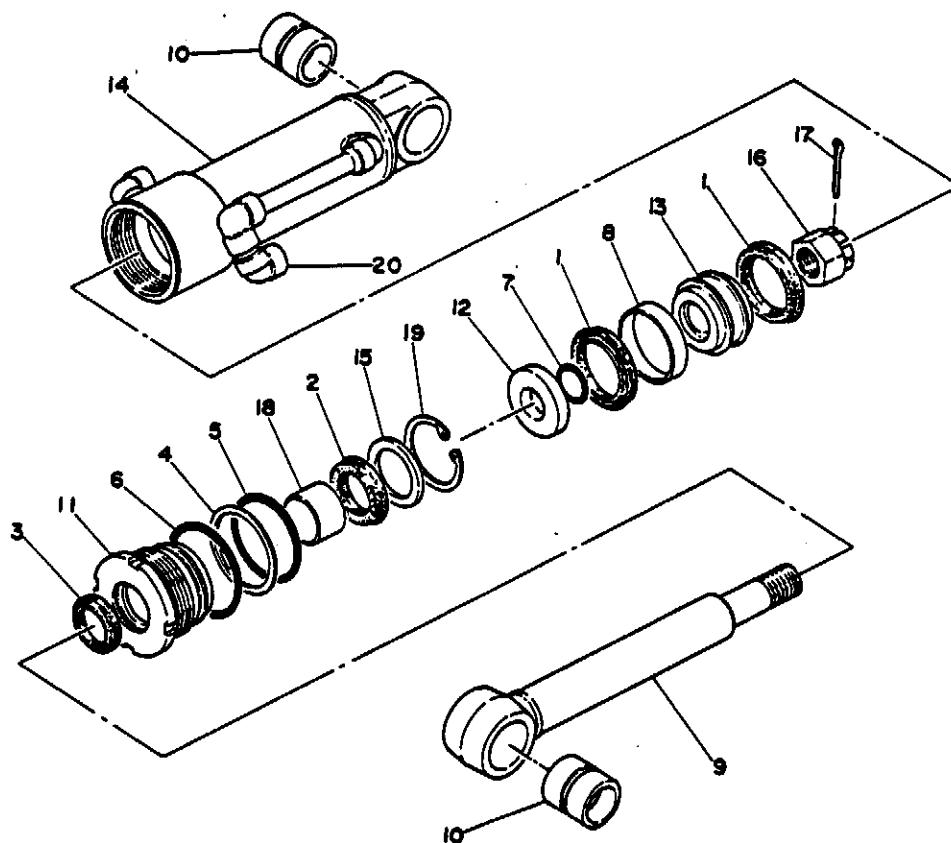
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	19000-09900	CYLINDER ASSY	1	
1	19000-09999	*KIT, Seal	1	
2	14100-00506	*PACKING, Piston	2	
1	14105-35456	*PACKING, Rod	1	
1	14115-00350	*SEAL, Dust	1	
1	14211-30600	*RING, Back-up	1	
1	14201-10600	*O-RING	1	
1	14201-10650	*O-RING	1	
1	14200-10240	*O-RING	1	
1	14107-06012	*WEARING	1	
1	19000-09901	*ROD, Piston	1	
1	19000-09902	*BUSHING	1	
1	19000-09920	*BUSHING	1	
1	19000-09903	*COVER, Rod	1	
1	19000-09850	*HOLDER, Packing	1	
1	19000-09806	*PISTON	1	
1	19000-09907	*TUBE	1	
1	19000-09908	*PACKING HOLDER, Rod	1	
1	19000-00309	*NUT	1	
1	12100-00545	*PIN, Split	1	
1	13330-03525	*BUSHING	1	
1	19000-09914	*RING, Soap	1	
1	15600-01000	*NIPPLE, Grease	1	
1	15600-01900	*NIPPLE, Grease	1	

FIG. 39 BUCKET CYLINDER



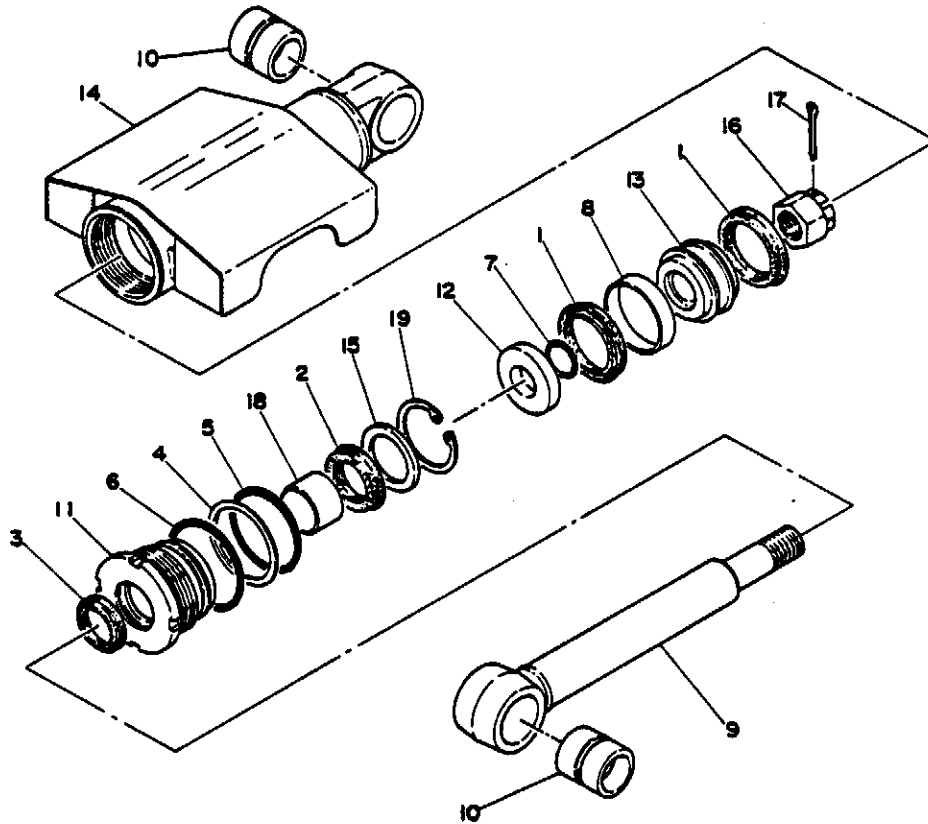
Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	19000-10000	CYLINDER ASSY	
1	19000-09999	*KIT. Seal	
2	14100-60506	*O-RING	
1	14105-35458	*O-RING	
1	14115-00350	*RING. Wiper	
1	14211-30800	*RING. Back-up	
1	14201-10600	*O-RING	
1	14201-10650	*O-RING	
1	14200-10240	*O-RING	
1	14107-06012	*WEARING	
1	19000-10001	*ROD. Piston	
2	19000-09920	*BUSHING. Groove	
1	19000-09903	*COVER. Rod	
1	19000-09850	*PLATE	
1	19000-09806	*PISTON	
1	19000-10007	*TUBE	
1	19000-09908	*PACKING HOLDER. Rod	
1	19000-00309	*NUT	
1	12100-00545	*PIN. Split	
1	13330-03525	*DU BUSHING	
1	19000-09914	*RING. Susp	
1	15600-01075	*NIPPLE. Grease	
1	15600-01000	*NIPPLE. Grease	

FIG. 40-1 BLADE CYLINDER



Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
01	19000-10200	CYLINDER ASSY	1	
02	19000-09999	*KIT, Seal	1	
1	14100-00500	**PACKING, Piston	2	
2	14105-35458	**PACKING, Rod	1	
3	14115-00350	**SEAL, Dust	1	
4	14211-30600	**RING, Back-up	1	
5	14201-10000	**O-RING	1	
6	14201-10030	**O-RING	1	
7	14200-10240	**O-RING	1	
8	14107-00012	*WEARING	1	
9	19000-10201	*ROD, Piston	1	
10	19000-09920	*BUSHING	2	
11	19000-09903	*COVER, Rod	1	
12	19000-09050	*HOLDER, Packing	1	
13	19000-09006	*PISTON	1	
14	19000-10207	*TUBE	1	
15	19000-09908	*PACKING HOLDER, Rod	1	
16	19000-00309	*NUT	1	
17	12100-00545	*PIN, Split	1	
18	13330-03325	*BUSHING	1	
19	19000-09914	*RING, Snap	1	
20	15013-00002	*ELBOW, 90°	1	

FIG. 40-2 BLADE CYLINDER



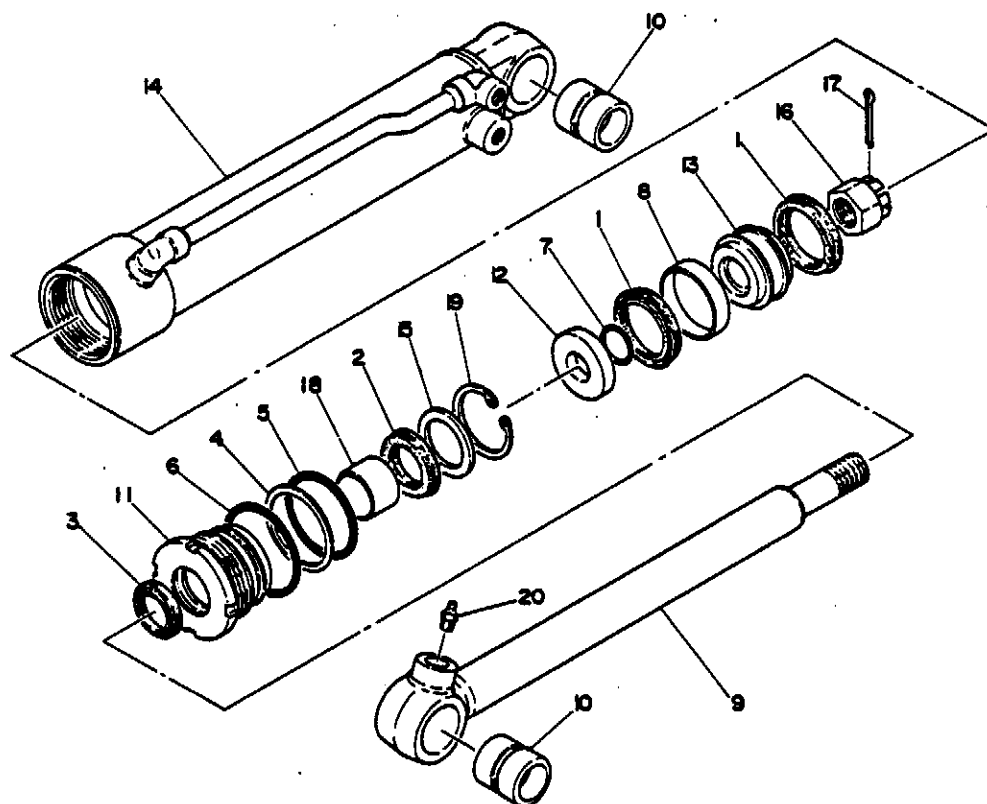
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	19000-15300	CYLINDER ASSY	1	
0-2	19000-09999	*KIT, Seal	1	
1	14100-60300	**PACKING, Piston	2	
2	14105-35458	**PACKING, Rod	1	
3	14115-00350	**SEAL, Dust	1	
4	14211-30600	**RING, Back-up	1	
5	14201-10600	**O-RING	1	
6	14201-10650	**O-RING	1	
7	14200-10240	**O-RING	1	
8	14107-06012	*WEARING	1	
9	19000-10201	*ROD, Piston	1	
10	19000-09920	*BUSHING	2	
11	19000-09903	*COVER, Rod	1	
12	19000-09850	*HOLDER, Packing	1	
13	19000-09806	*PISTON	1	
14	19000-15307	*TUBE	1	
15	19000-09908	*PACKING HOLDER, Rod	1	
16	19000-00309	*NUT	1	
17	12100-00545	*PIN, Split	1	
18	13330-03525	*BUSHING	1	
19	19000-09914	*RING, Snap	1	

NOTE

#231-

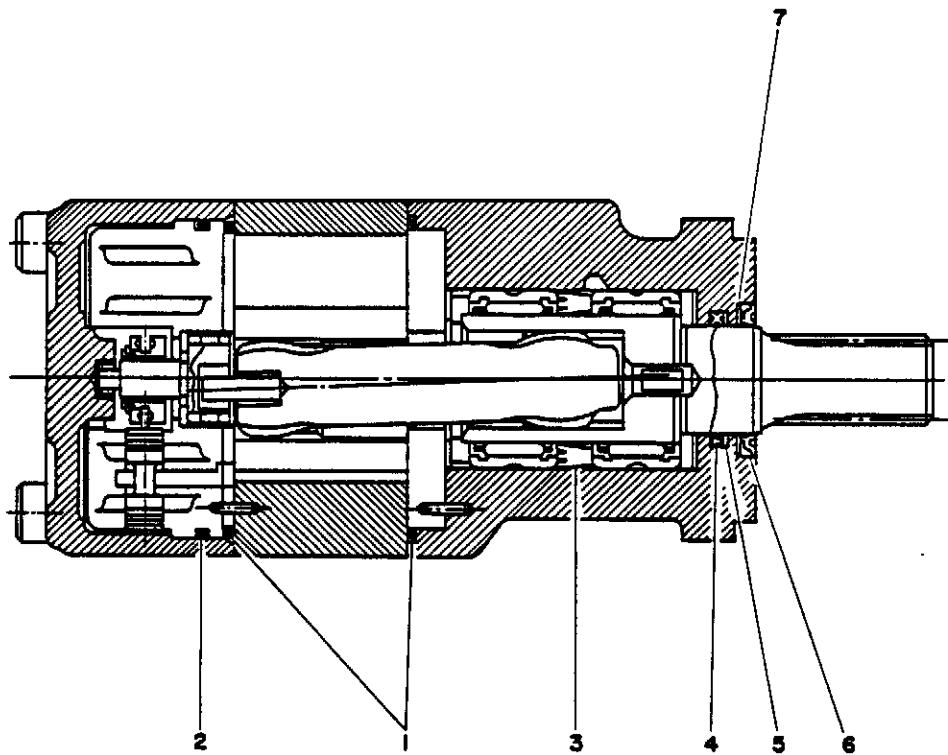
PL. 0-2 L/1

FIG. 41 SWING CYLINDER



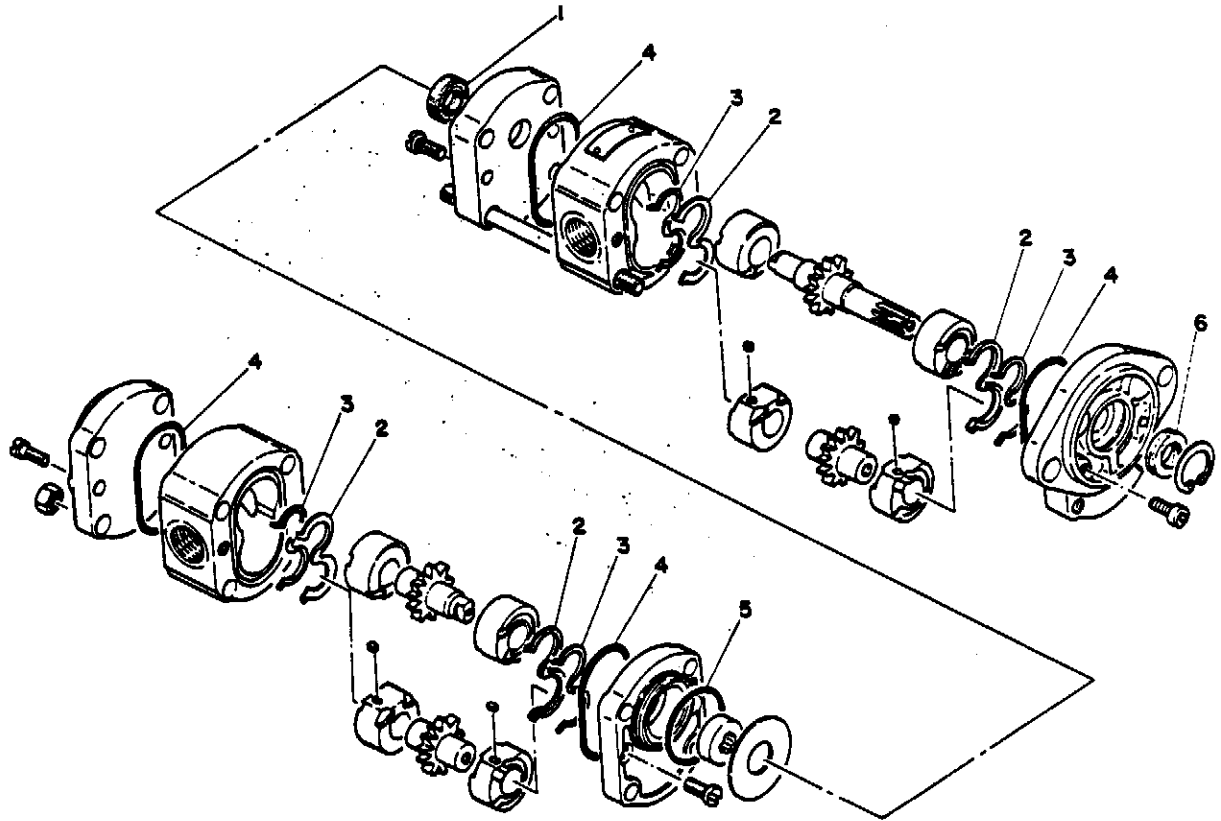
Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	19000-10100	CYLINDER ASSY	1	
1	19000-09999	*KIT. Seal	1	
2	14100-00500	**PACKING. Piston	2	
1	14105-35450	**PACKING. Rod	1	
1	14115-00350	**SEAL. Dust	1	
1	14211-30600	**RING. Back-up	1	
1	14201-10600	**O-RING	1	
1	14201-10650	**O-RING	1	
1	14200-10240	**O-RING	1	
1	14107-06012	**WEARING	1	
1	19000-10001	*ROD. Piston	1	
2	19000-09920	*BUSHING	2	
1	19000-09903	*COVER. Rod	1	
1	19000-09850	*HOLDER. Packing	1	
1	19000-09806	*PISTON	1	
1	19000-10107	*TUBE	1	
1	19000-09988	*PACKING HOLDER. Rod	1	
1	19000-00309	*NUT	1	
1	12100-00545	*PIN. Split	1	
1	13330-03525	*BUSHING	1	
1	19000-09914	*RING. Snap	1	
1	13600-01000	*NIPPLE. Grease	1	

FIG. 42 HYDRAULIC MOTOR



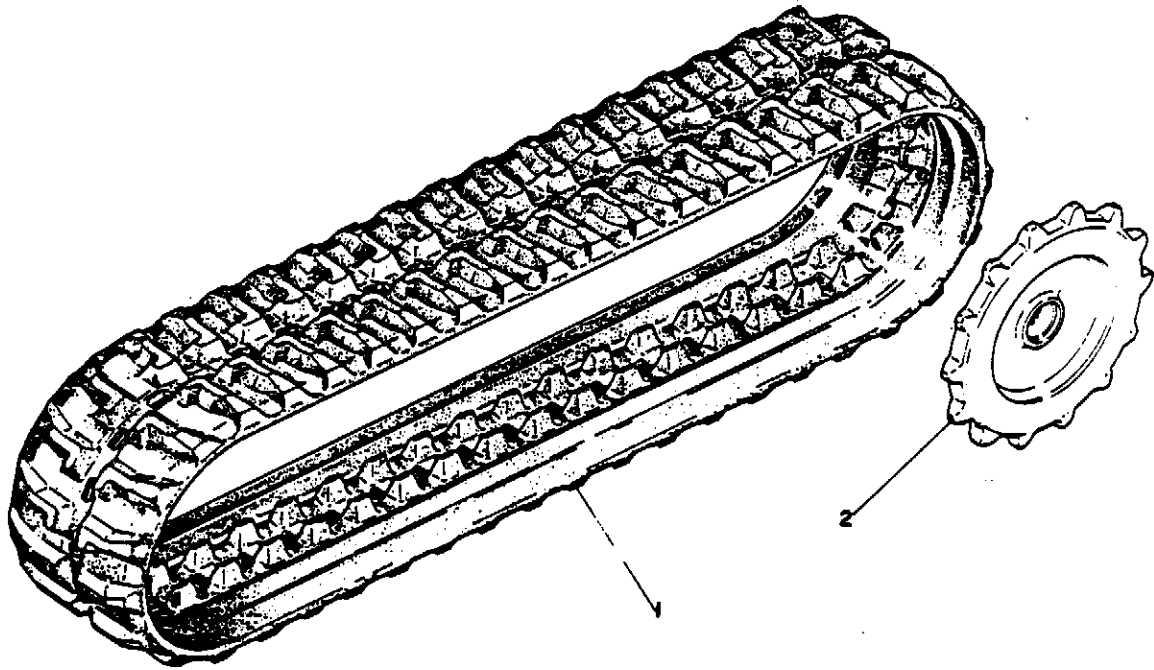
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
2	19030-03000	MOTOR ASSY. Traction	2	
1	19030-02600	MOTOR ASSY. Slew	1	
1	19030-00399	*KIT. Seal	1	
2	14201-00900	**O-RING	2	
1	*****	**O-RING	1	
1	*****	**SPACER	1	
1	*****	**X-RING	1	
1	*****	**RING Back-up	1	
1	*****	**WIPER	1	
1	*****	**SPACER	1	

FIG. 43 HYDRAULIC PUMP



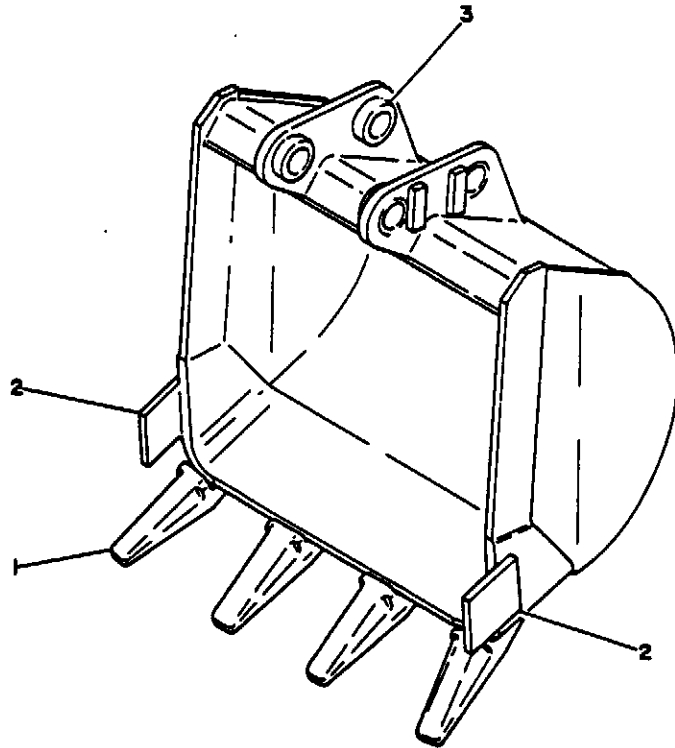
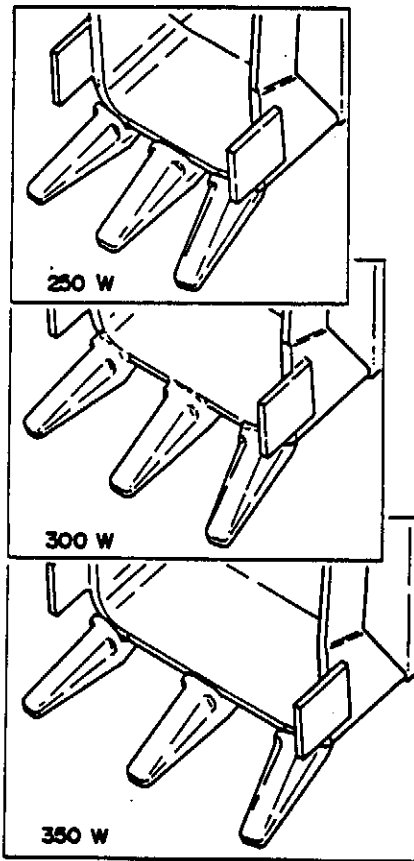
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	19020-03500	PUMP ASSY	1	
02	19020-03599	*KIT. Seal	1	
1	*****	*SEAL. Oil	1	
2	*****	*ELEMENT. Seal	4	
3	*****	*ELEMENT. Back-up	4	
4	*****	*O-RING	4	
5	*****	*O-RING	1	
6	*****	*SEAL. Dust	1	

FIG. 44 RUBBER CRAWLER



Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	19140-11000	TRACK SHOE Rubber	2	
2	00616-11200	SPROCKET	2	#11-
	00616-11100	SPROCKET	2	#1-11

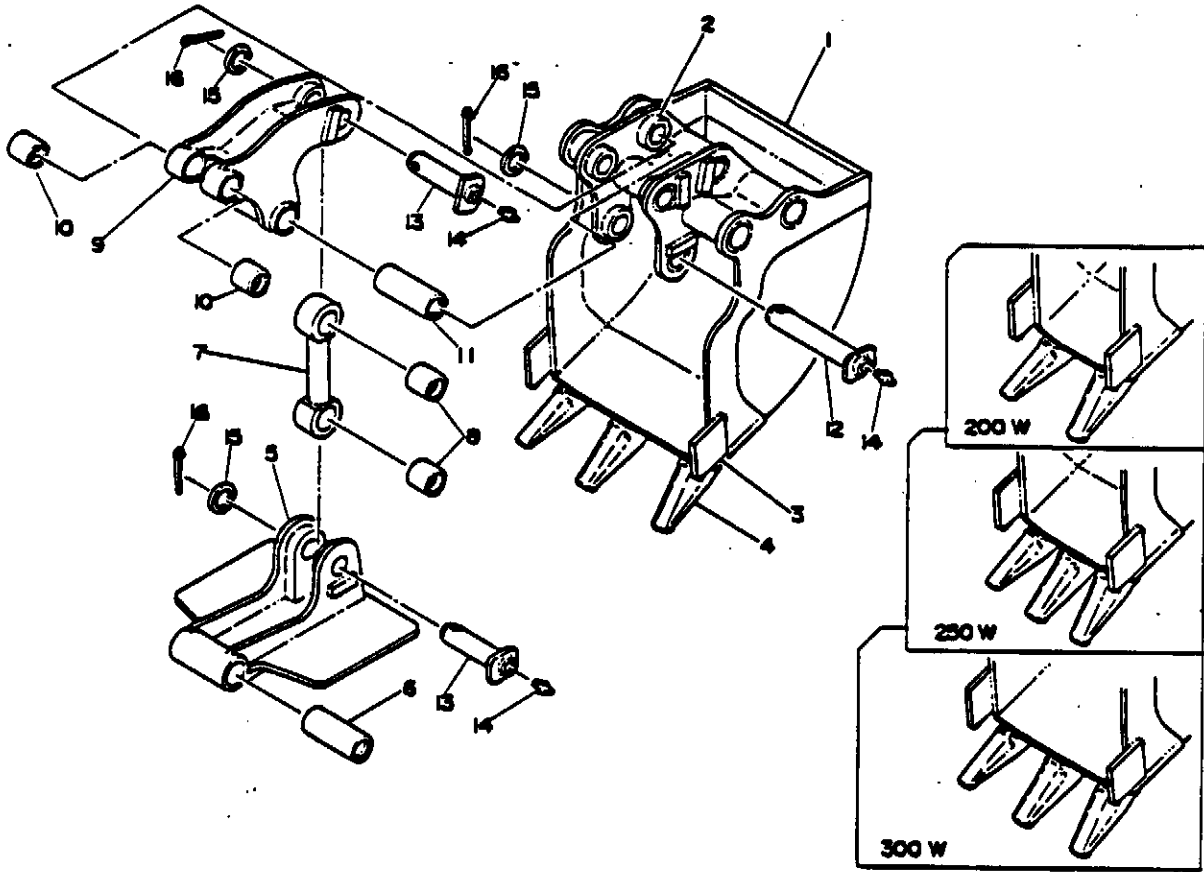
FIG. 45 BUCKET



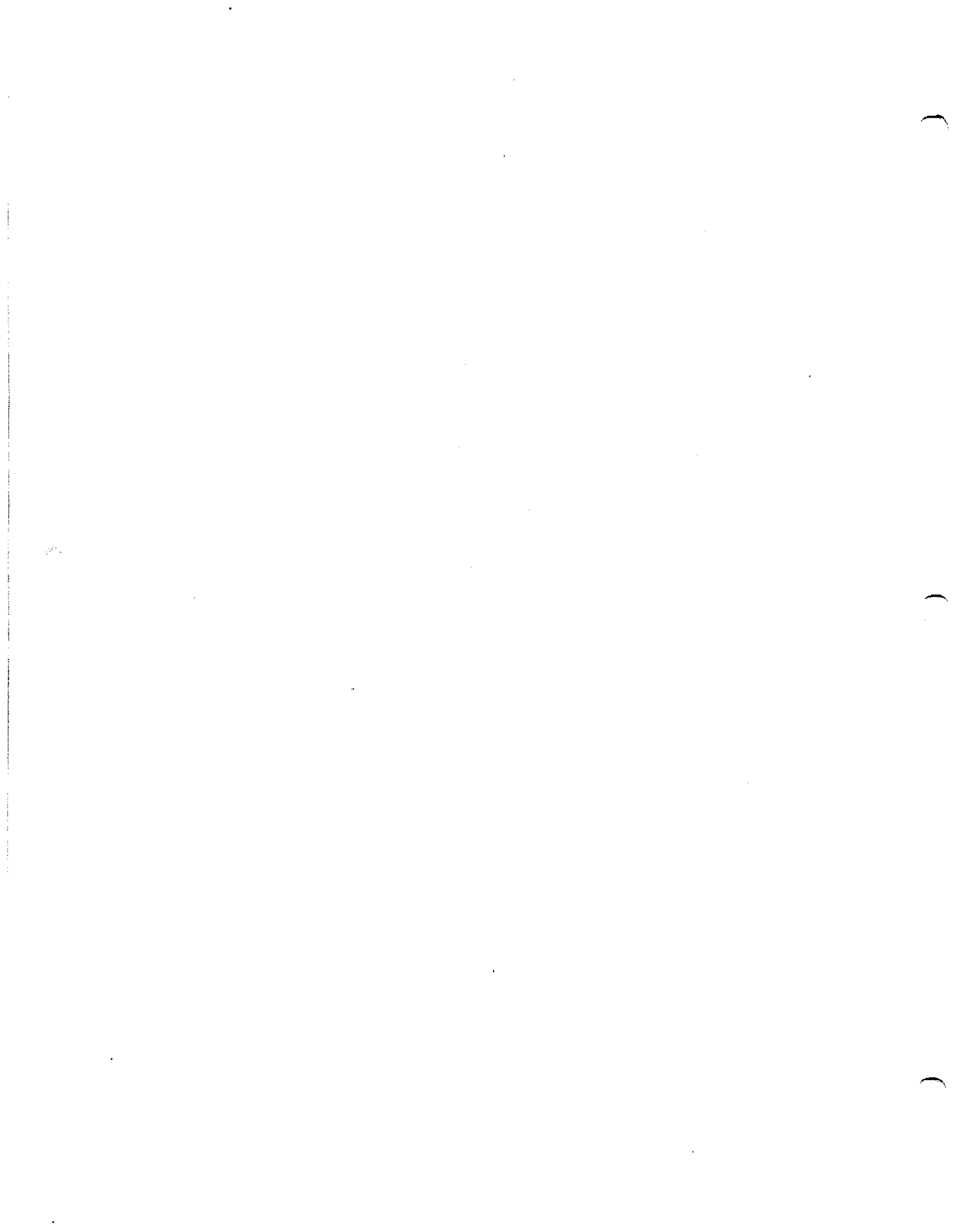
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00762-00300	BUCKET ASSY.	1	
02	00762-00000	BUCKET ASSY.	1	
03	00762-00100	BUCKET ASSY.	1	
04	00762-00200	BUCKET	1	
1	01662-00000	*TOOTH	3	
	01662-00000	*TOOTH	4	
2	00762-00100	*SIDE	2	
3	00029-00000	*BUSHING	4	



FIG. 46 EJECTOR BUCKET



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00002-02000	BUCKET ASSY, Ejector	1	200	9	00002-00300	ARM Line	1	
02	00002-01000	BUCKET ASSY, Ejector	1	200	10	00021-00010	BUSHING	2	
03	00002-03000	BUCKET ASSY, Ejector	1	200	11	00023-30104	BUSHING	1	
04	00002-00000	BUCKET ASSY, Ejector	1	200	12	00013-20170	PIN	1	
1	00002-02100	BUCKET	1	200	13	00002-00500	PIN	2	
	00002-01100	BUCKET	1	200	14	15000-01000	WHIPPLE Cross	3	
	00002-03100	BUCKET	1	200	15	00030-30000	COLLAR	4	
	00002-00100	BUCKET	1	200		00030-30001	COLLAR	4	
2	00029-00000	BUSHING	6			00030-30002	COLLAR	4	
3	00702-00100	CUTTER, Side	2			00030-30003	COLLAR	4	
4	01002-00000	TOOTH	2	200		00030-30004	COLLAR	4	
	01002-00000	TOOTH	3	200		00030-30005	COLLAR	4	
05	00002-90020	EJECTOR ASSY	1	200	16	12100-00045	PIN Split	3	
06	00002-90010	EJECTOR ASSY	1	200					
07	00002-90030	EJECTOR ASSY	1	200					
08	00002-90000	EJECTOR ASSY	1	200					
5	00002-02200	EJECTOR	1	200					
	00002-01200	EJECTOR	1	200					
	00002-03200	EJECTOR	1	200					
	00002-00200	EJECTOR	1	200					
6	00023-30104	BUSHING	1						
09	00002-90001	LINE ASSY, Ejector	1						
7	00002-00400	LINE, Ejector	1						
8	00021-00010	BUSHING	2						
00	00002-90002	ARM ASSY, Line	1						





TATEUCHI MFG. CO., LTD.
286-3 NAGATSU, SAKAKI-MACH,
HAWAIIKA-SHI, NAGANO 386-87
JAPAN TEL: 8226-3-3311
TELEX: 327841TBJ