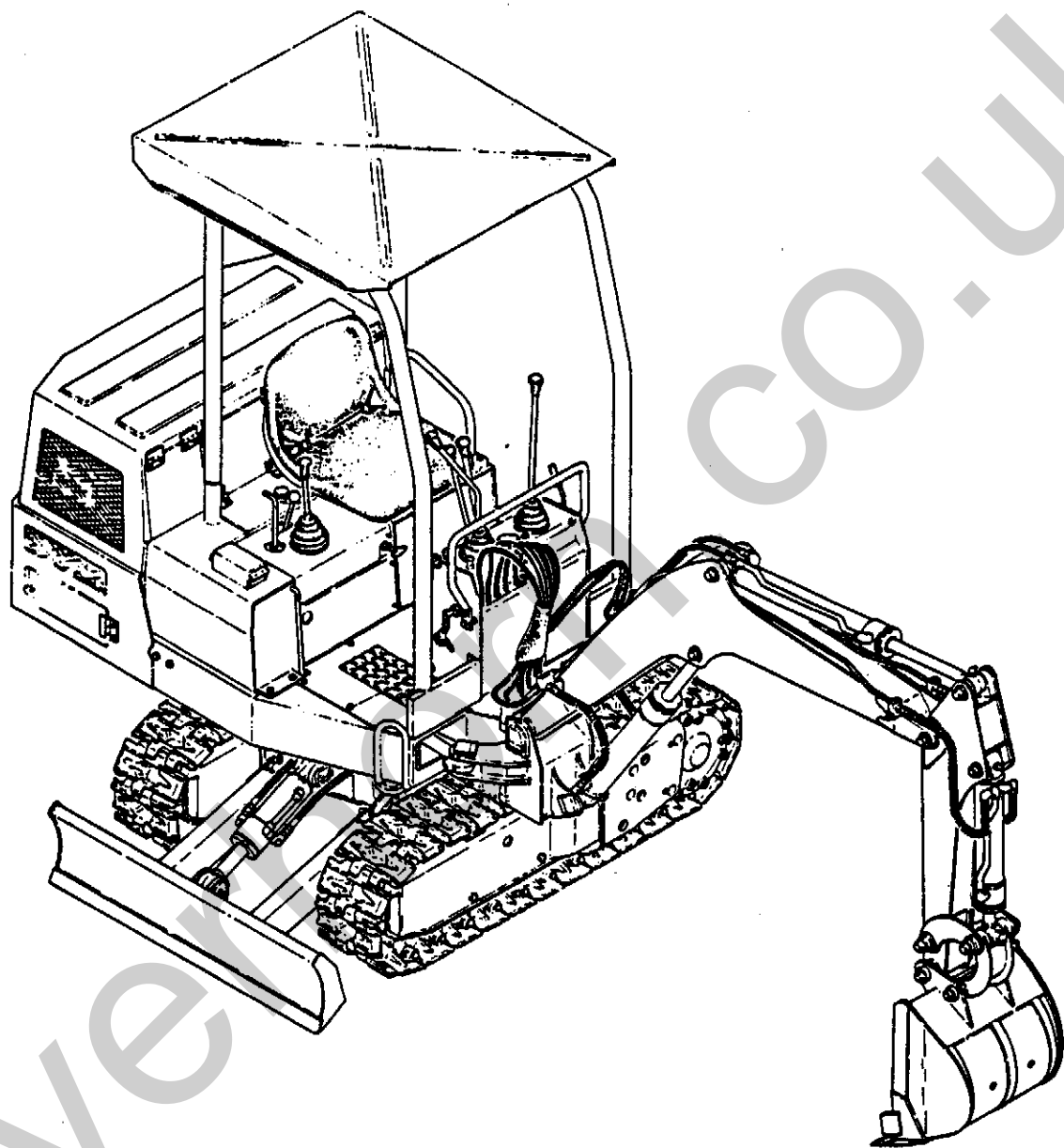


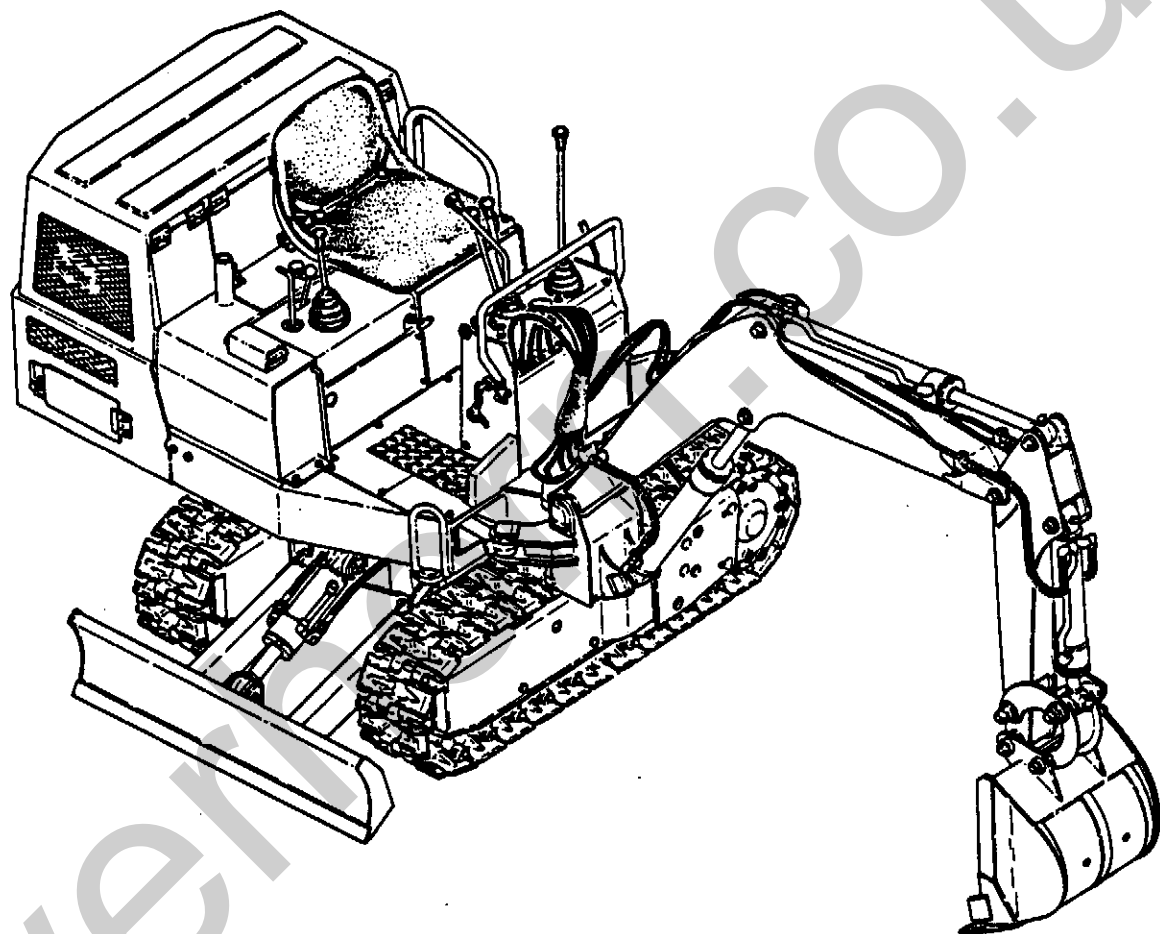
TB10S

BODY PARTS

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GENERAL INFORMATION

This Parts Catalog contains parts lists and indexed exploded views to provide replacement part information for Mini-Back Hoe, Model TB650S.

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.

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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.

**DESCRIP-
TION** 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.

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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)

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- 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

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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 ~

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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 ~

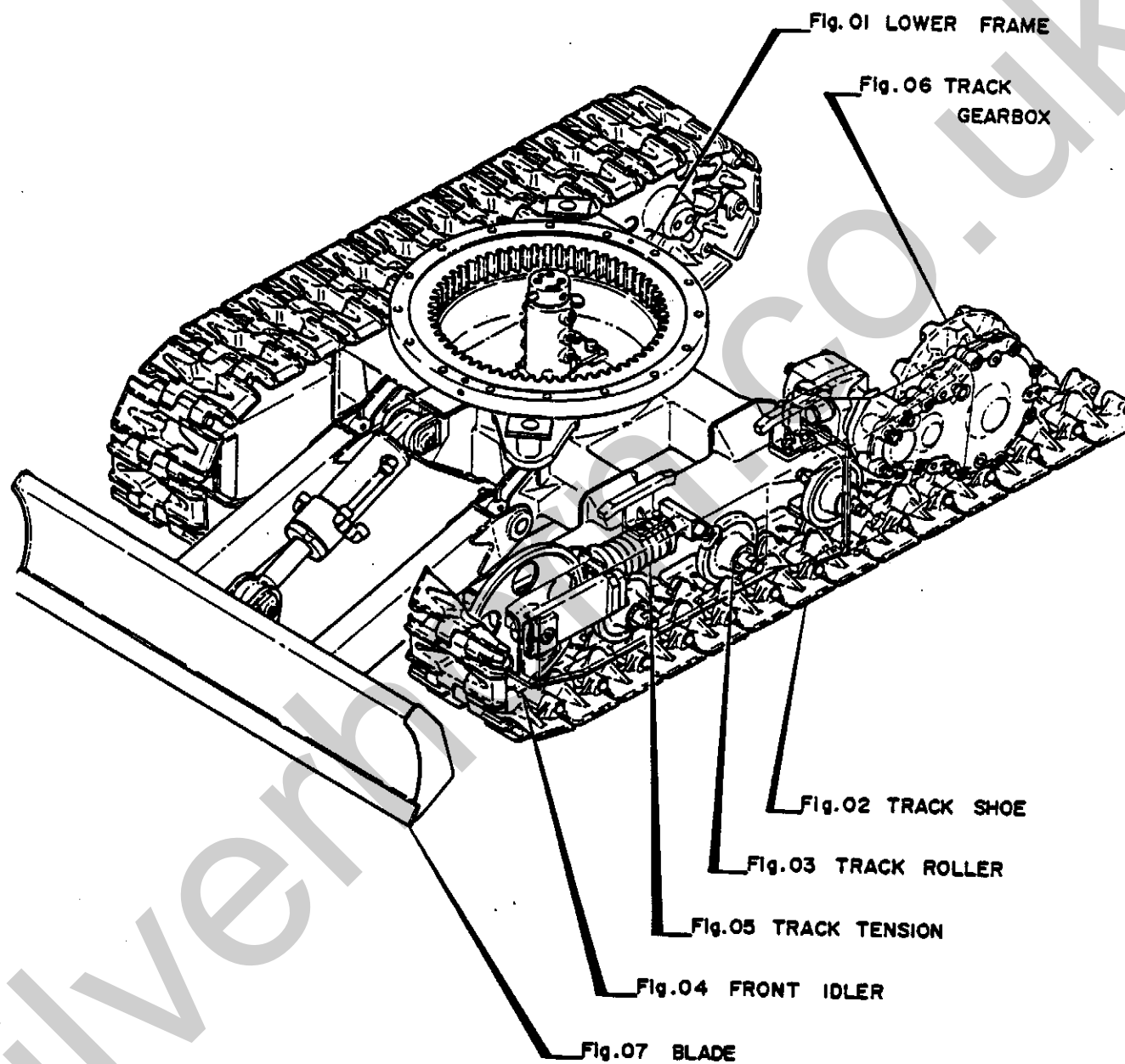
INDEX

- 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

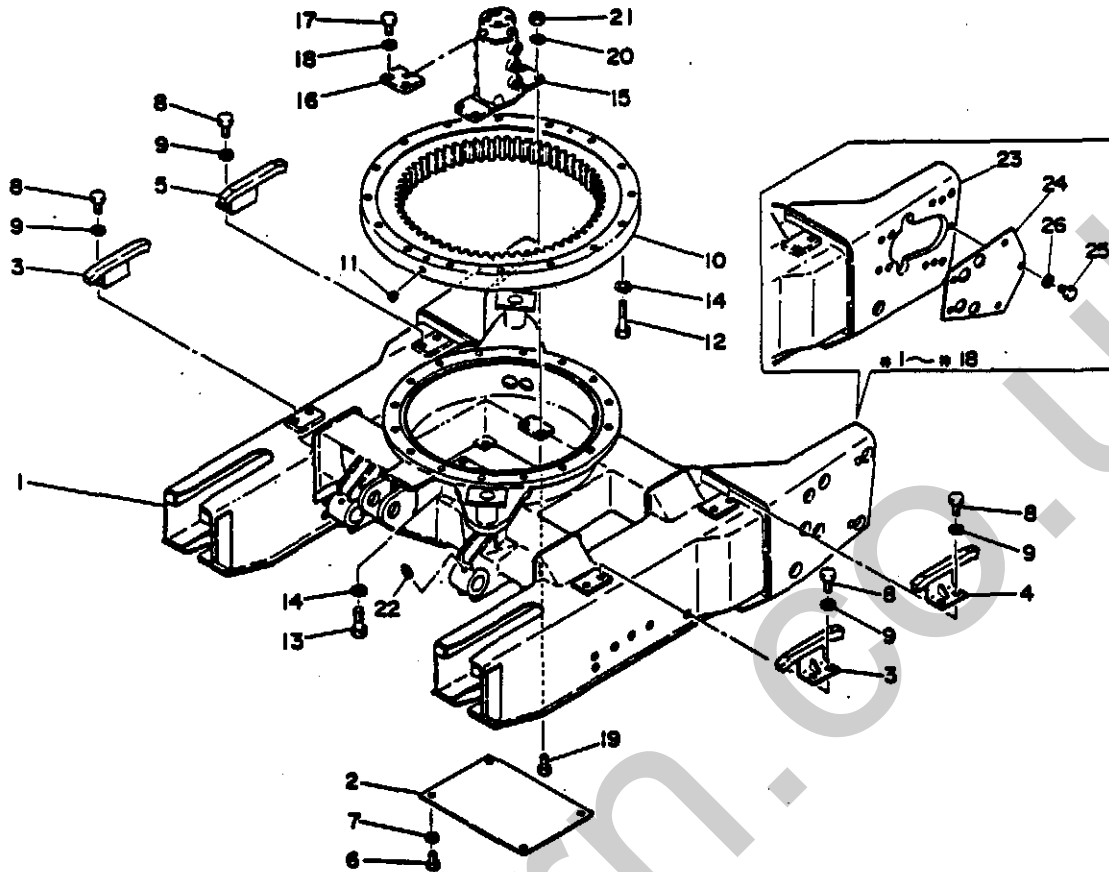
- FIG. 44 RUBBER CRAWLER
- FIG. 45 BUCKET

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FIG. 01 LOWER FRAME

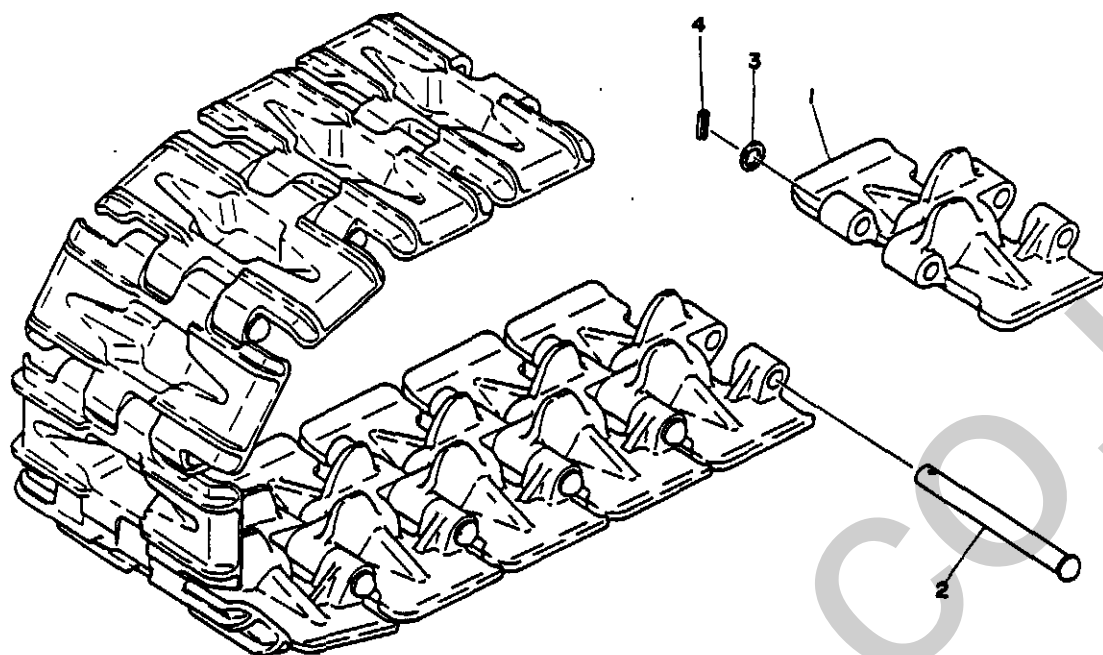


QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00710-00100	FRAME	1	#19~	2	11400-10008	WASHER, Spring	10	#1~#18
1	00710-01300	COVER	1						
2	00710-01700	SLIDE	2						
1	00710-01800	SLIDE (R. H)	1						
1	00710-01900	SLIDE (L. H)	1						
4	11000-50816	BOLT	4						
4	11400-10008	WASHER, Spring	4						
8	11000-51018	BOLT	8						
8	11400-10010	WASHER, Spring	8	✓					
1	10130-01600	BEARING, Slew	1						
1	15018-20001	#PLUG	1						
16	11010-51260	BOLT	16	✓					
16	11010-51245	BOLT	16						
32	11415-40012	WASHER	32						
1	10040-00800	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	11400-10008	WASHER, Spring	4						
4	11300-50008	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. 01 1/2

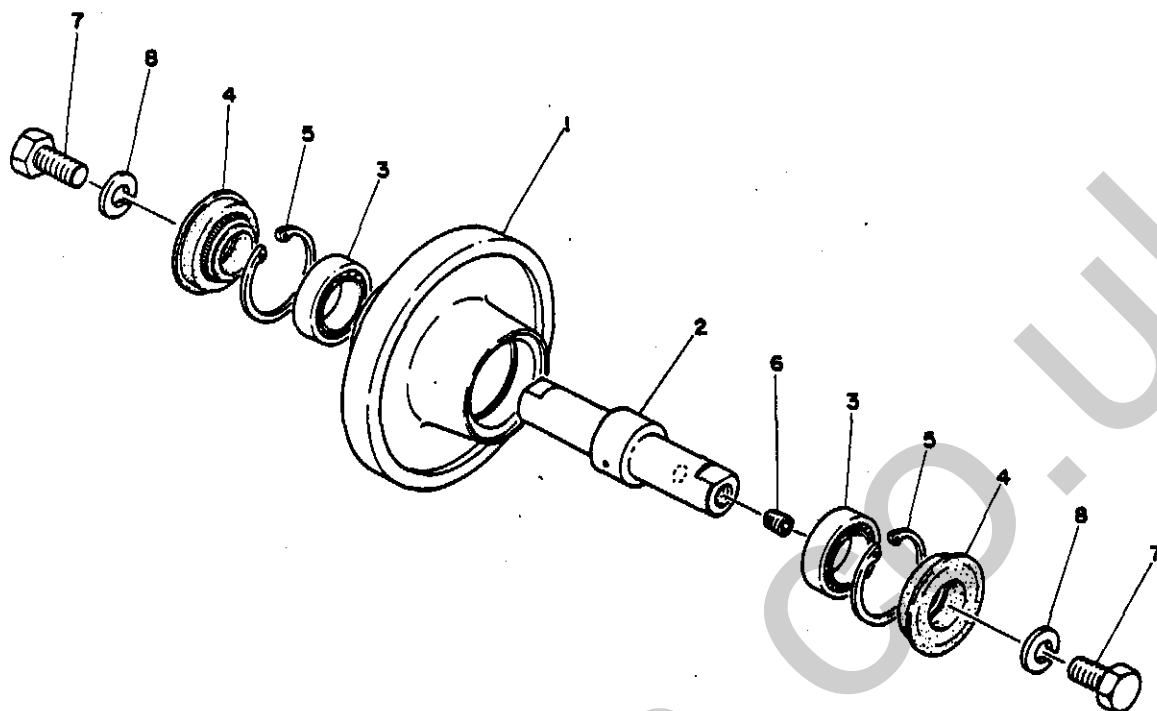
FIG. 01 2/2

FIG. 02 トラック シュー TRACK SHOE



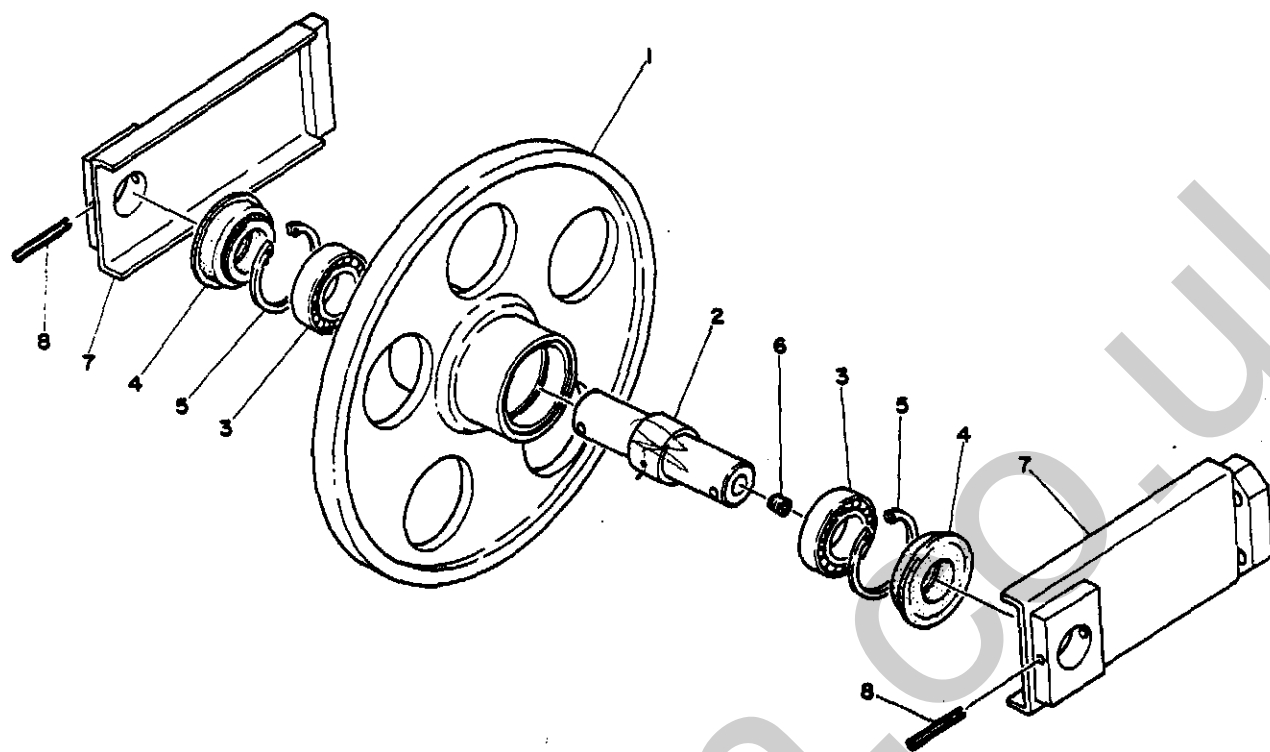
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
61	19140-09100	SHOE ASSY. Track	2	
1	19140-09101	*SHOE	30	
2	19140-09102	*PIN Track	30	
3	19140-09103	*WASHER	30	
4	12130-00620	*PIN Spring	30	

FIG. 03 トラック ローラー TRACK ROLLER



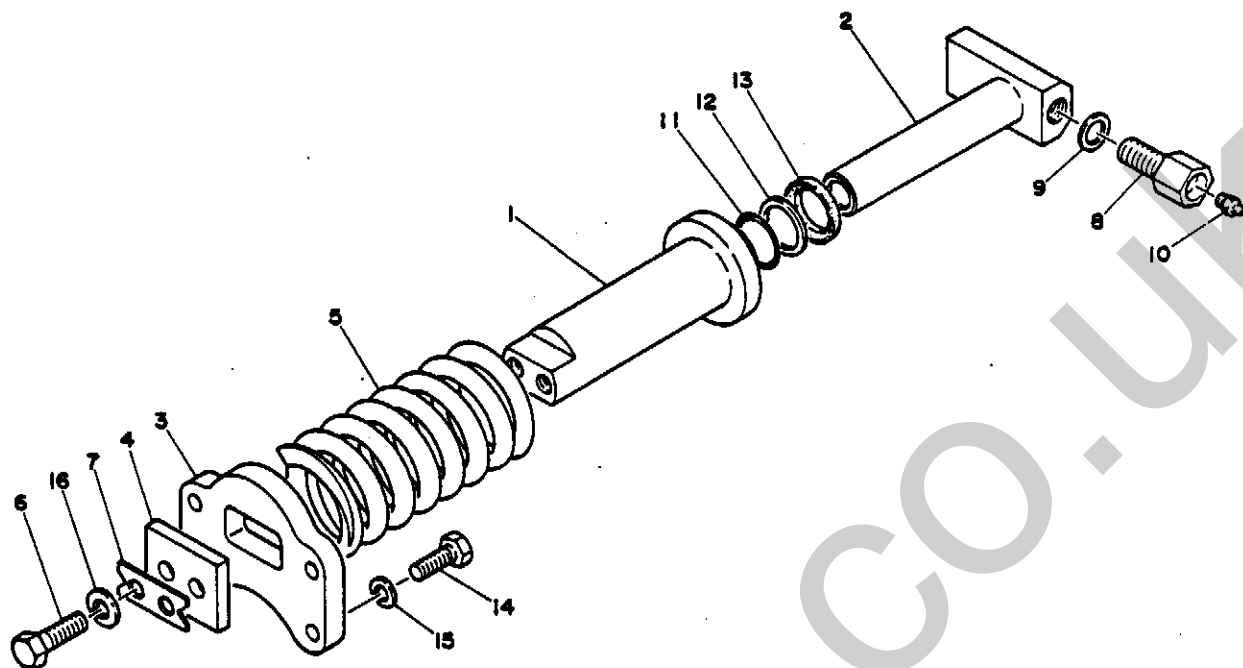
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00713-00000	ROLLER ASSY. Track	1	
1	00713-00100	*ROLLER	1	
1	00713-00200	*SHAFT	1	
2	13000-00005	*BEARING	2	
2	14310-02547	*SEAL, Oil	2	
2	12210-00047	*RING, Snap	2	
1	15010-20001	*PLUG	1	
12	11000-51225	BOLT	12	
12	11400-10012	WASHER, Spring	12	

FIG. 04 フロント アイドラー FRONT IDLER



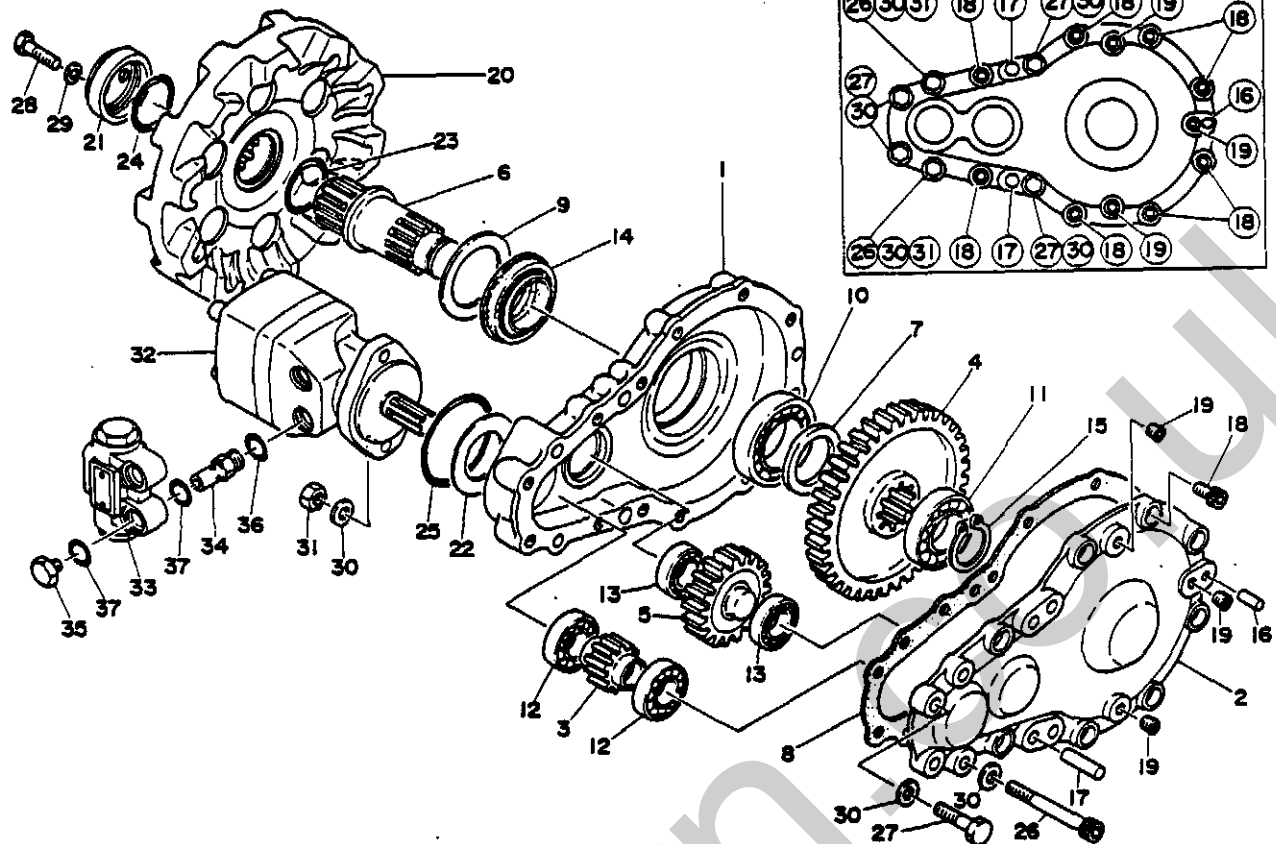
Qty	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00714-00000	IDLER ASSY. Front	2	
1	00714-00100	*IDLER	1	
2	00714-00200	*SHAFT	1	
3	13000-00000	*BEARING	2	
4	14312-03035	*SEAL, Oil	2	
5	12210-00055	*RING, Snap	2	
6	15018-20001	*PLUG	1	
7	00714-00300	*SLIDE	4	
8	12130-00645	*PIN, Spring	4	

FIG. 05 TRACK TENSION



Qty	PARTS NUMBER	DESCRIPTION	REMARKS
2	00715-01100	CYLINDER, Grease	
2	00715-01200	PISTON	
2	00715-00300	PLATE	
2	00715-00400	PLATE	
2	00070-00010	SPRING	
4	11010-51540	BOLT	
2	00715-00600	PLATE, Lock	
2	15413-01601	VALVE ASSY, Check	
2	15413-01610	PACKING	
2	15600-01000	NIPPLE, Grease	
2	14200-10300	O-RING	
2	14210-20300	RING, Back-up	
2	14004-01654	SEAL, Oil	
8	11000-51030	BOLT	
8	11400-10010	WASHER, Spring	
4	11400-10012	WASHER, Spring	

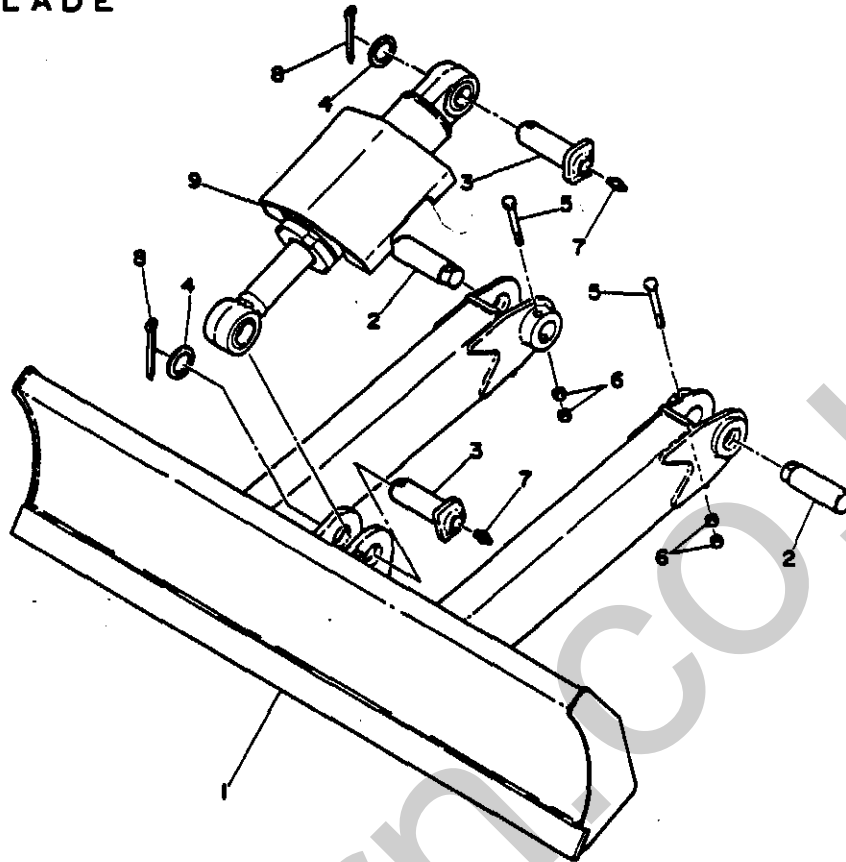
FIG. 06 TRACK GEARBOX



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
2	00716-99010	GEAR BOX ASSY	#11~
2	00716-99000	GEAR BOX ASSY	#1~#10
1	00716-00100	*CASE	
1	00716-00200	*COVER	
1	00716-00300	*GEAR	
1	00716-00400	*GEAR	
1	00716-00500	*GEAR	
1	00716-01100	*SHAFT	#11~
1	00716-00600	*SHAFT	#1~#10
1	00930-51370	*COLLAR	
1	00716-00800	*PACKING	
1	00716-01000	*WASHER	
1	13000-06210	*BEARING	
1	13000-06208	*BEARING	
2	13000-06007	*BEARING	
2	13000-06006	*BEARING	
1	14310-03005	*SEAL Oil	
1	12220-10040	*SEERGER RING	
1	12120-01025	*PIN, Dowel	
2	12120-01345	*PIN, Dowel	
8	11100-51020	*BOLT, Socket	
3	15016-20002	*PLUG	
2	00716-02100	SPROCKET	#11~
2	00716-00700	SPROCKET	#1~#10
2	00716-00800	PLATE	

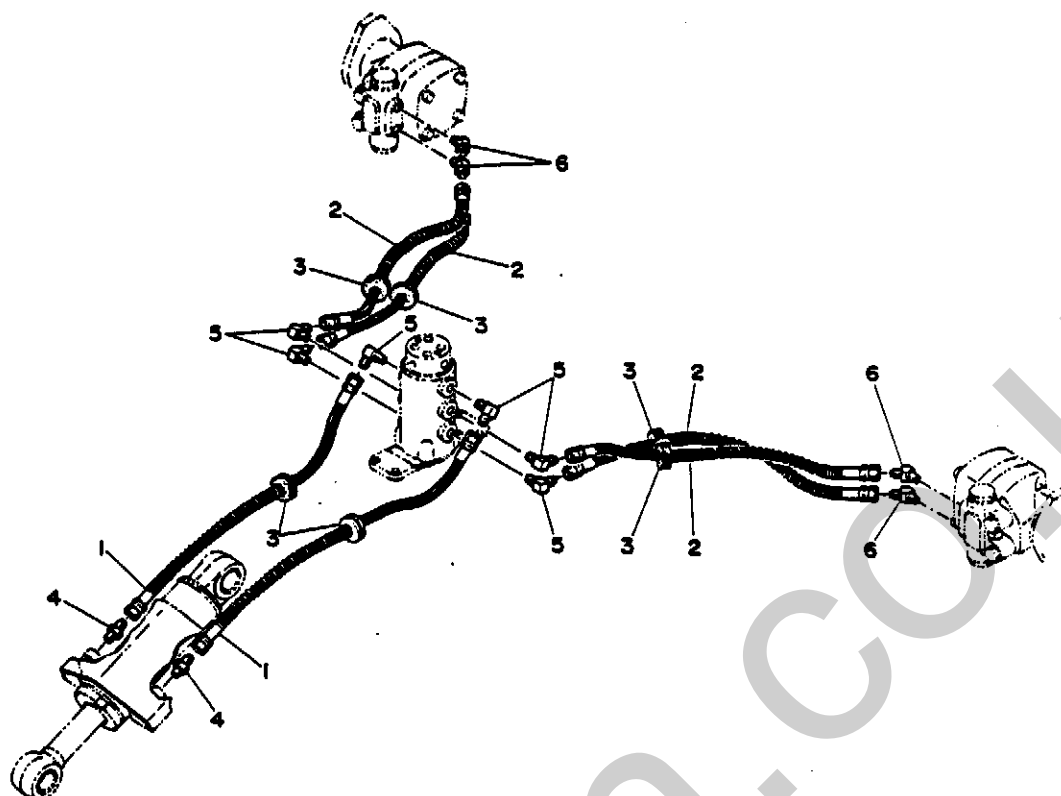
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
2	00036-00014	WASHER	
2	14201-00500	O-RING	
2	14201-00550	O-RING	
2	14203-00850	O-RING	
4	11101-51200	BOLT, Socket	
8	11010-51250	BOLT	
4	11000-51040	BOLT	#11~
4	11000-51025	BOLT	#1~#10
4	11400-10010	WASHER, Spring	
16	11415-40012	WASHER	
4	11305-50012	NUT	
2	19030-03800	MOTOR ASSY	
2	19015-00600	VALVE	
4	19015-00700	FITTING ASSY	
1	19015-00701	*FITTING	
1	19015-00702	*PLUG	
1	14203-10910	*O-RING	
2	14200-10200	*O-RING	

FIG. 07 BLADE



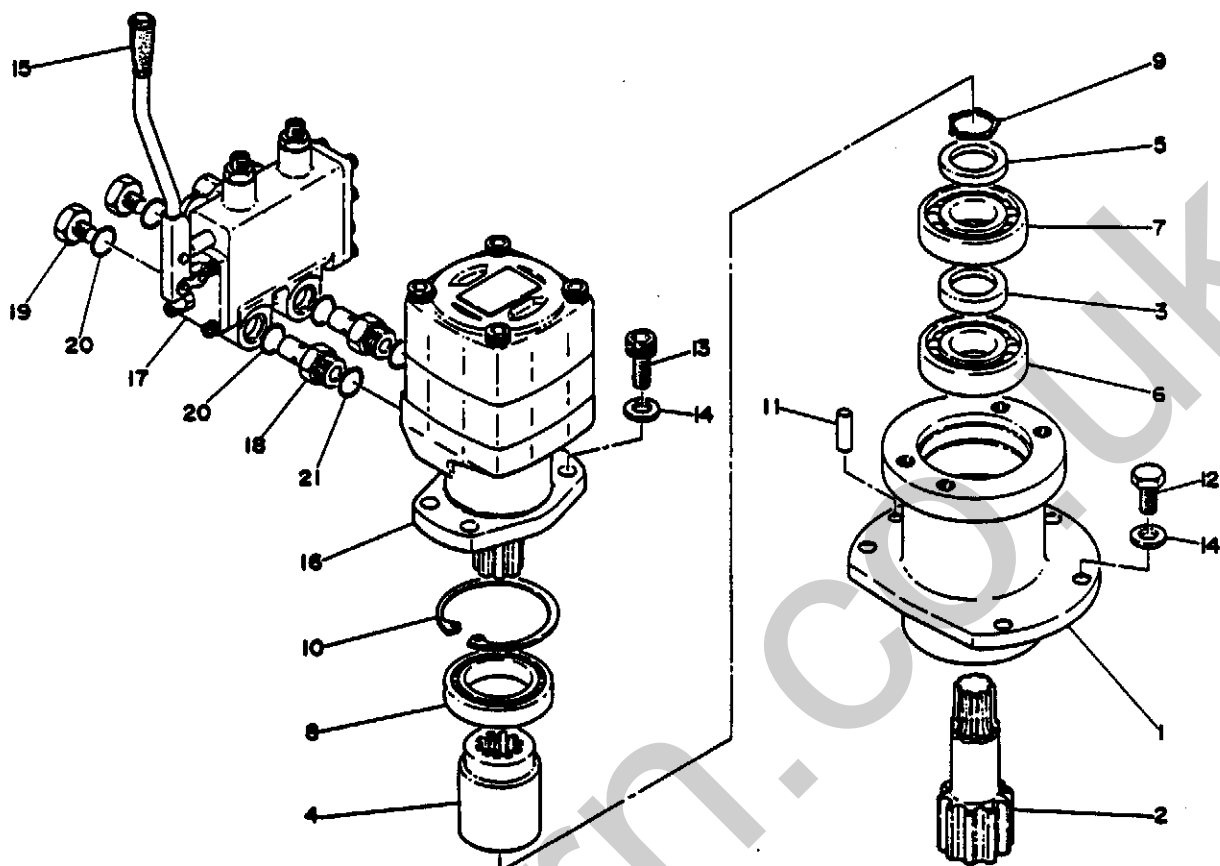
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00763-10100	BLADE	1	
2	00015-00025	PIN	2	
3	00013-30000	PIN	2	
4	00030-30000	COLLAR	2	
	00030-30001	COLLAR	2	
	00030-30002	COLLAR	2	
	00030-30003	COLLAR	2	
	00030-30004	COLLAR	2	
	00030-30005	COLLAR	2	
5	11000-50070	BOLT	2	
6	11300-40008	NUT	4	
7	13000-01000	NIPPLE, Grease	2	
8	12100-00045	PIN, Split	2	
9	19000-13300	CYLINDER ASSY	1	#131-
	19000-10200	CYLINDER ASSY	1	#1-#230

FIG. 08 PIPING, LOWER



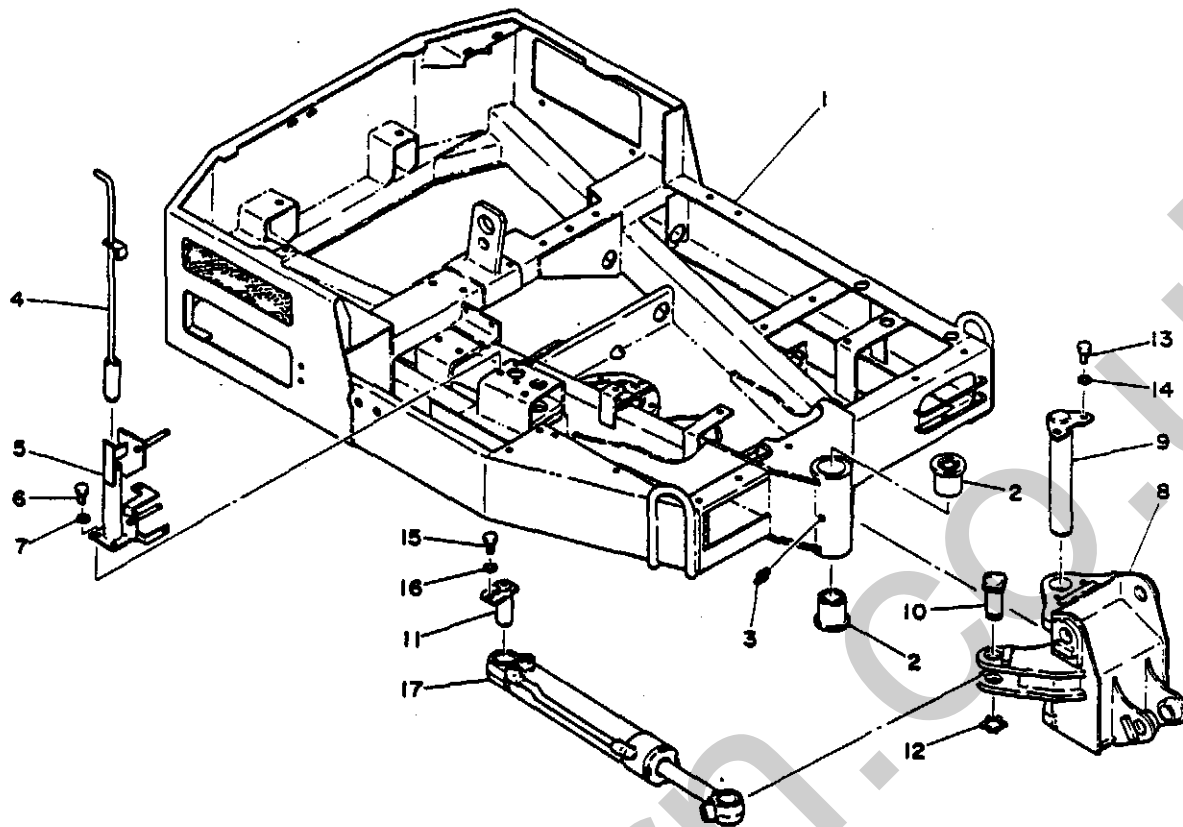
Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	19099-00001	HOSE ASSY	2	
2	19095-00042	HOSE ASSY	4	
3	00772-00400	GUARD	6	
4	15110-00002	ADAPTOR	2	
5	15111-00002	ELBOW, 90°	6	
6	15112-00002	ELBOW, 45°	4	

FIG. 09 SLEW GEARBOX



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00623-90000	GEAR BOX ASSY	
1	00623-10100	*CASE	
1	00723-00200	*PINION	
1	00030-30010	*COLLAR	
1	00623-10400	*COUPLING	
1	00030-35505	*COLLAR	
1	13003-00307	*BEARING	
1	13000-00307	*BEARING	
1	13000-00010	*BEARING	
1	12220-10030	*SEGER RING	
1	12210-00000	*RING, Snap	
1	12120 01030	PIN, Dowel	
3	11010-51225	BOLT	
4	11100-51230	BOLT, Socket	
9	11415-40012	WASHER	
1	10301-12050	GRIP	
1	19830-02000	MOTOR ASSY	
1	19017-01400	VALVE	
2	00072-00008	FITTING	
2	00072-00007	PLUG	
4	14200-10200	O-RING	
2	14203-10910	O-RING	

FIG. 10-1 TURNTABLE

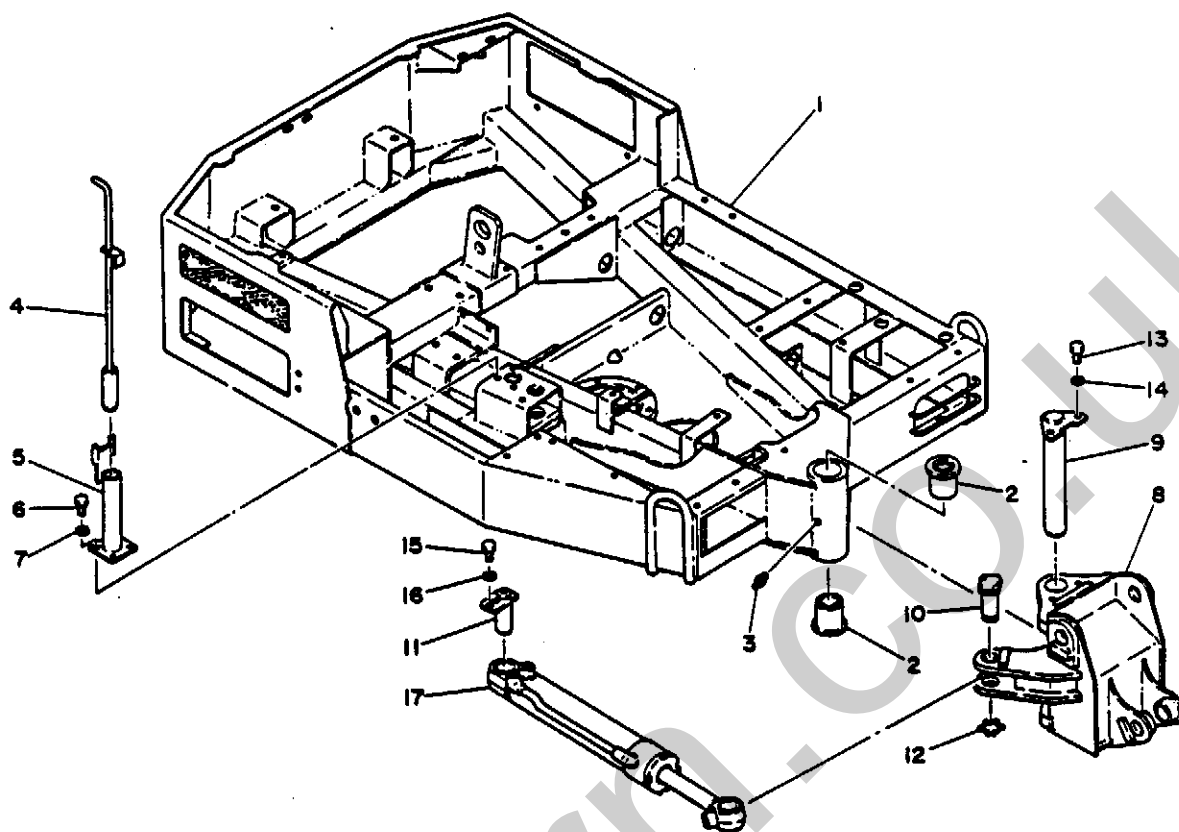


QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00630-12100	TURNTABLE	1	
2	00026-00001	BUSHING	2	
3	15600-01000	NIPPLE, Grease	1	
4	00622-10100	PIN	1	
5	00622-10200	STAND	1	
6	11000-51020	BOLT	3	
7	11400-10010	WASHER, Spring	3	
8	00731-00100	BRACKET	1	
9	00731-00200	SHAFT	1	
10	00019-00035	PIN	1	
11	00019-00034	PIN	1	
12	12220-16030	SEGER 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~#192. u/o Breaker Circuit Type P10.10-1 L/1

FIG. 10-2 TURNTABLE



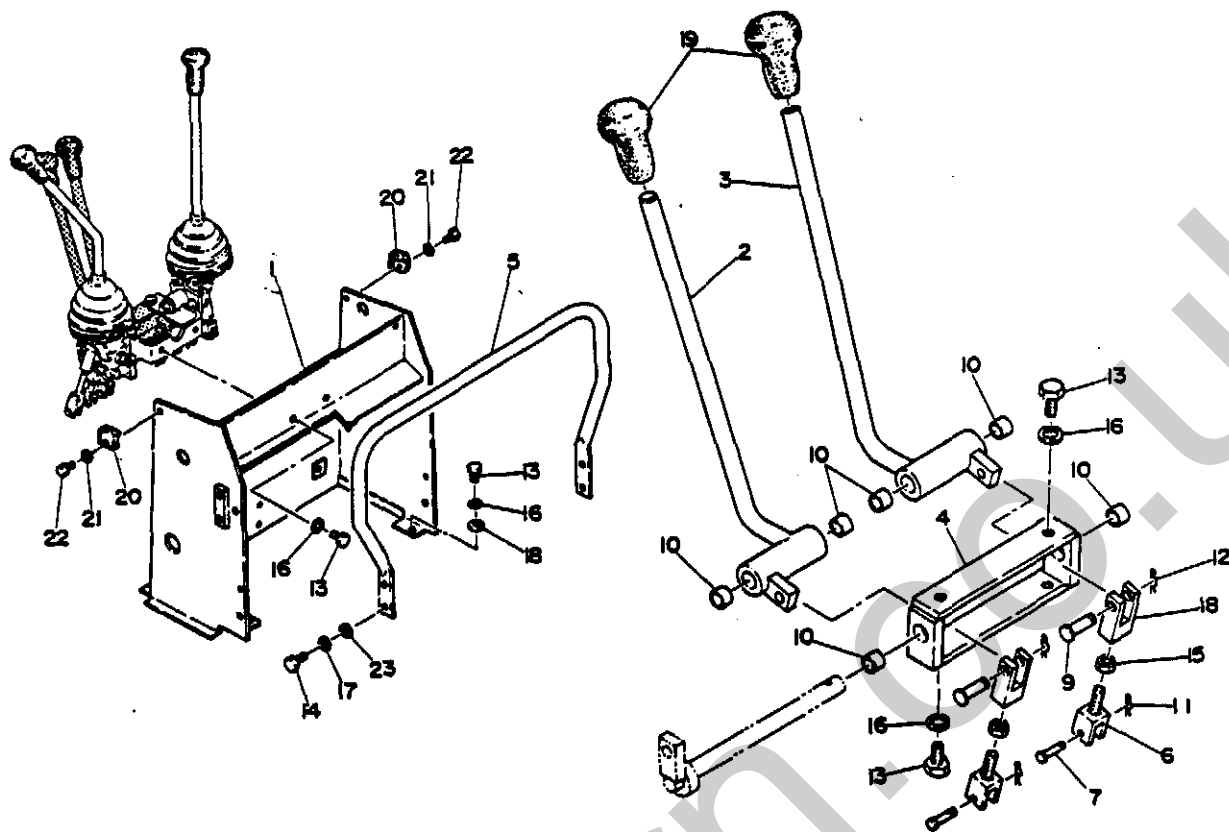
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00630-12100	TURNTABLE	1
2	00026-00001	BUSHING	2
3	15000-01000	NIPPLE, Grease	1
4	00622-10100	PIN, Lock	1
5	00622-11200	STAND	1
6	11000-51020	BOLT	3
7	11400-10010	WASHER, Spring	3
8	00731-00100	BRACKET	1
9	00731-00200	SHAFT	1
10	00019-00035	PIN	1
11	00019-00034	PIN	1
12	12220-16030	SEGER 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



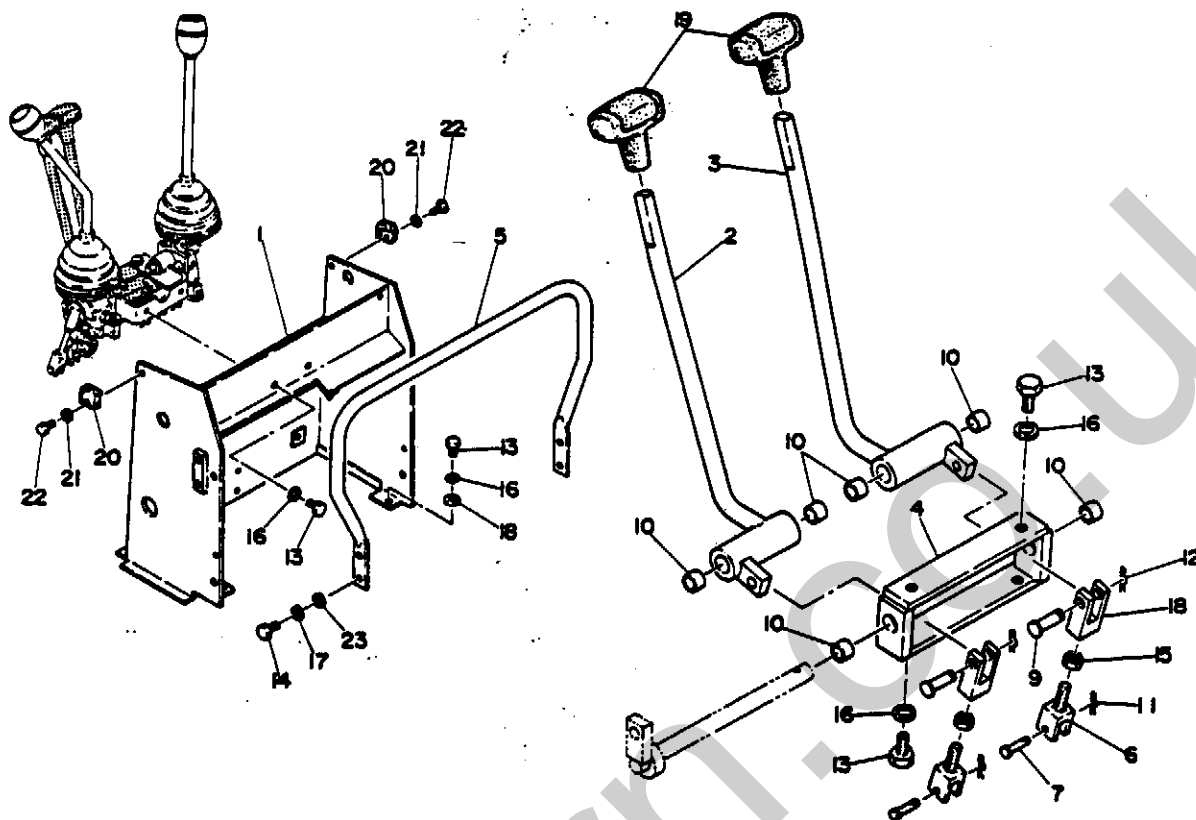
Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-10100	STAND	
2	00632-10400	LEVER (R. H)	
3	00632-10500	LEVER (L. H)	
4	00632-20700	BRACKET	
5	00632-11300	POLE	
6	00932-22000	YOKE	
7	00040-03117	PIN	
8	00632-11000	YOKE	
9	00040-08021	PIN	
10	13330-01212	BUSHING	
11	12140-00005	PIN, Snap	
12	12140-00006	PIN, Snap	
13	11000-50020	BOLT	
14	11000-51020	BOLT	
15	11300-50008	NUT	
16	11400-10000	WASHER, Spring	
17	11400-10010	WASHER, Spring	
18	00036-00232	WASHER	
19	16501-14001	GRIP	
20	00062-12000	RUBBER	
21	11400-20005	WASHER, Spring	
22	11205-30010	SCREW, Pan Head	
23	11411-10010	WASHER, Plain	

NOTE

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

Fig. 11-1 1/1

FIG. 11-2 CONTROL LEVER, TRACTION



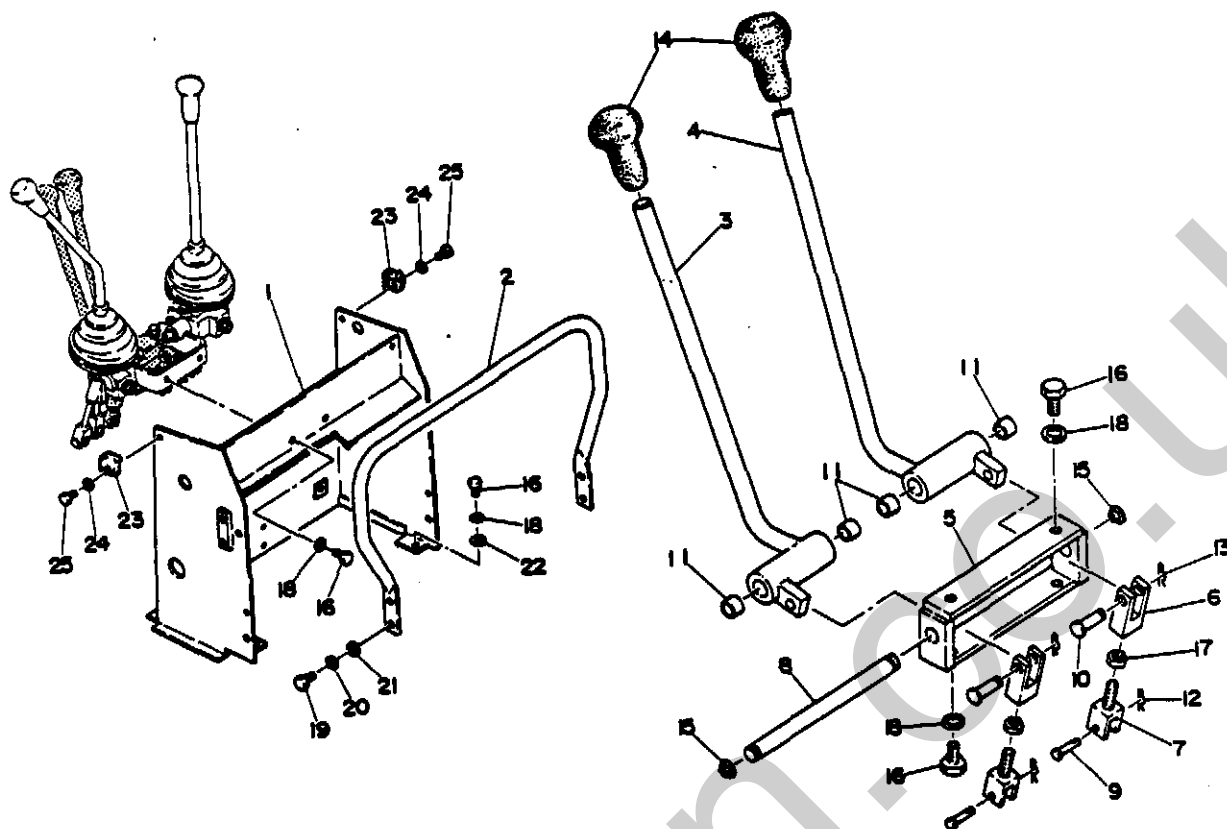
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00032-15100	STAND	1	
2	00032-16400	LEVER (R. H.)	1	
3	00032-16500	LEVER (L. H.)	1	
4	00032-20700	BRACKET	1	
5	00032-11300	POLE	1	
6	00032-22000	YOKER	2	
7	00040-05117	PIN	2	
8	00032-11900	YOKER	2	
9	00040-08021	PIN	2	
10	13330-01212	BUSHING	6	
11	12140-00003	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	16302-00500	GRIP	2	
20	00082-12600	RUBBER	2	
21	11400-20005	WASHER, Spring	2	
22	11205-30510	SCREW, Pan Head	2	
23	11411-10010	WASHER, Plain	4	

NOTE

2396-1, 1/2 Breaker Circuit Type

Fig. 11-2/1

FIG. 11-3 CONTROL LEVER, TRACTION

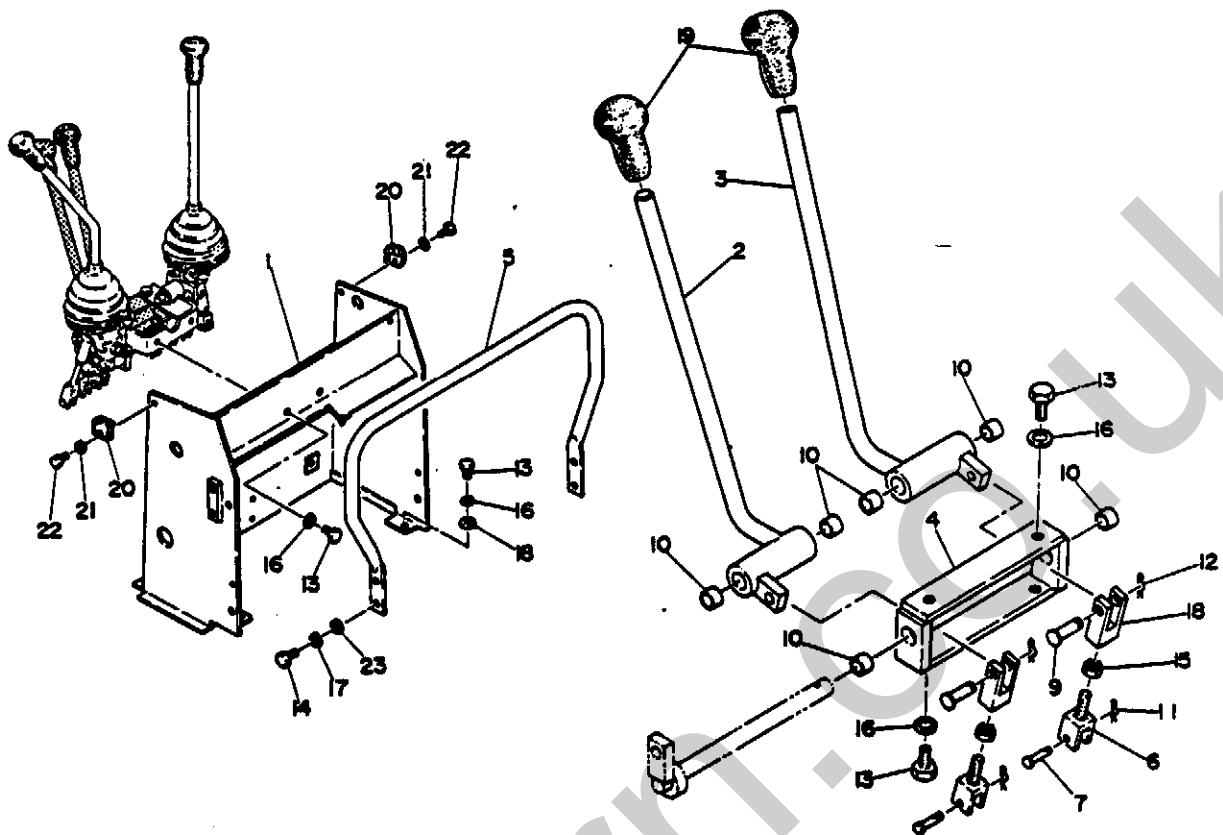


Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-10100	STAND	1
1	00632-11300	POLE	1
1	00632-10400	LEVER (R. H)	1
1	00632-10500	LEVER (L. H)	1
1	00632-10700	BRACKET	1
1	00632-11900	YOKK	1
1	00932-22000	YOKK	1
1	00042-12150	SHAFT	1
2	00040-08117	PIN	2
2	00040-08021	PIN	2
4	13330-01212	BUSHING	4
2	12140-00003	PIN, Snap	2
2	12140-00006	PIN, Snap	2
2	16501-14001	GRIP	2
2	12200-00012	RING, Snap	2
8	11000-50820	BOLT	8
2	11300-50000	NUT	2
8	11400-10000	WASHER, Spring	8
4	11000-41020	BOLT	4
4	11400-20010	WASHER, Spring	4
4	11411-10010	WASHER, Plain	4
2	00036-08252	WASHER	2
2	00032-12000	RUBBER	2
2	11400-20005	WASHER, Spring	2
2	11205-30510	SCREW, Pan Head	2

NOTE For Detail 01-0395

Fig. 11-3 1/1

FIG. 11-4 CONTROL LEVER, TRACTION

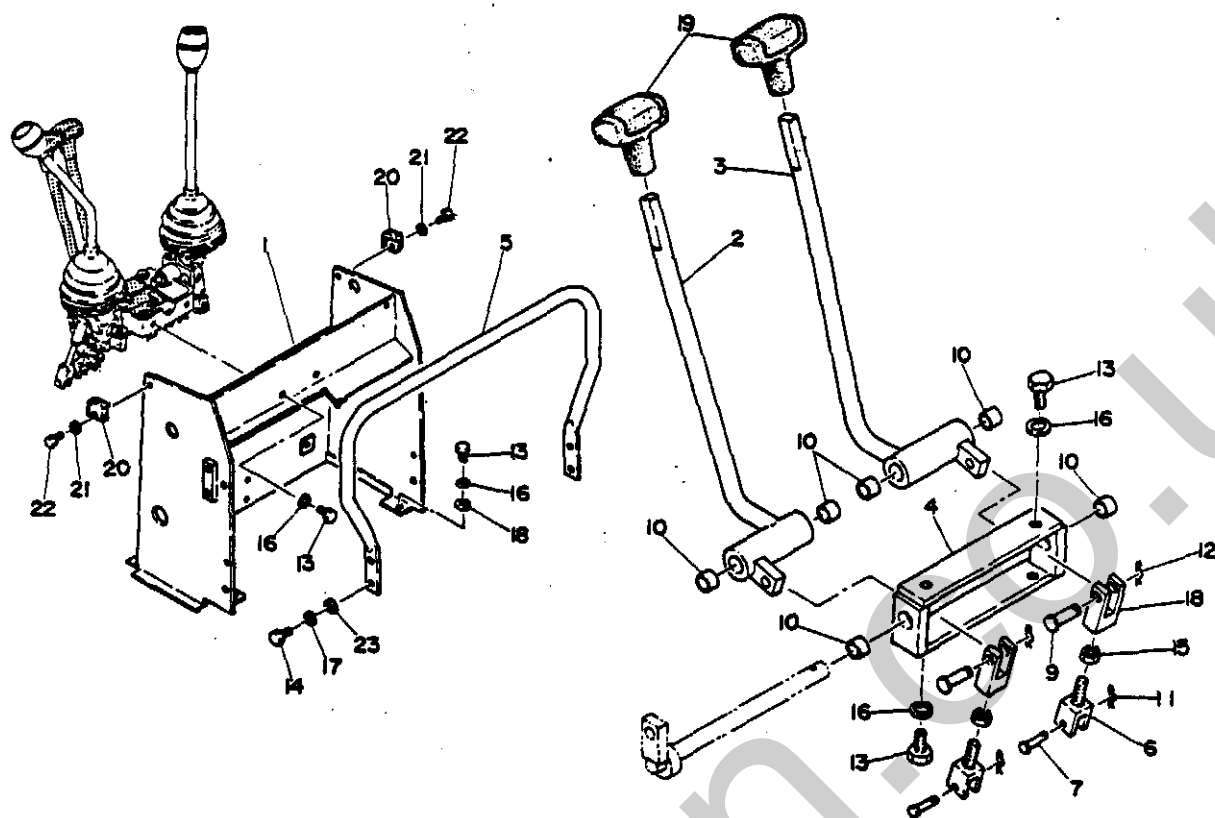


Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-22100	STAND	1
2	00632-10400	LEVER (L. H.)	1
3	00632-10500	LEVER (L. H.)	1
4	00632-20700	BRACKET	1
5	00632-11300	POLE	1
6	00932-22000	YOKES	2
7	00040-05117	PIN	2
8	00632-11300	YOKES	2
9	00040-05021	PIN	2
10	13330-01212	BUSHING	6
11	12140-00005	PIN, Snap	2
12	12140-00005	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	16501-14061	GRIP	2
20	00632-12800	RUBBER	2
21	11400-20005	WASHER, Spring	2
22	11205-30510	SCREW, Pan Head	2
23	11411-10010	WASHER, Plain	4

NOTE

#103-#205, with Rubber Grip Type Fig. 11-4 L/1

FIG. 11-5 CONTROL LEVER, TRACTION



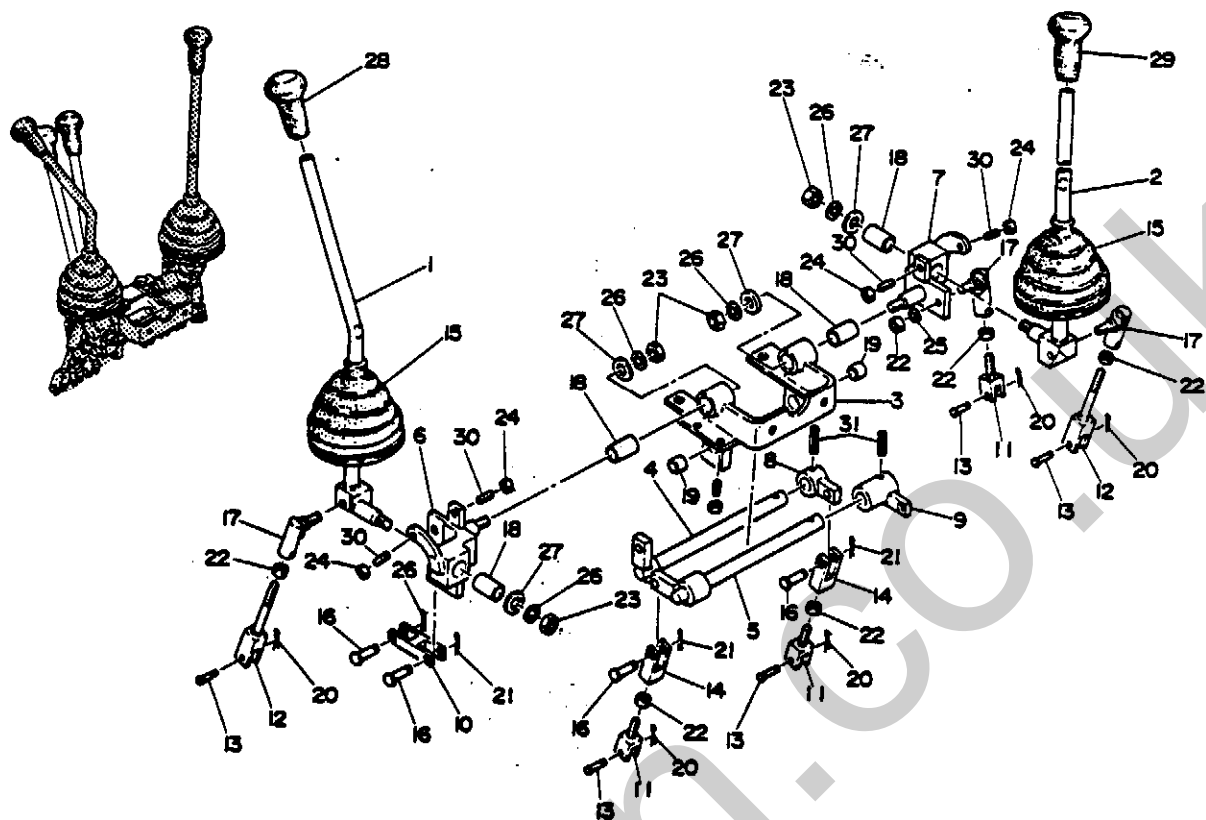
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-22100	STAND	1	
1	00632-16400	LEVER (R. H)	1	
1	00632-16500	LEVER (L. H)	1	
1	00632-20700	BRACKET	1	
1	00632-11300	POLE	1	
2	00932-22000	YOKE	2	
2	00040-05117	PIN	2	
2	00632-11900	YOKE	2	
2	00040-08021	PIN	2	
6	13330-01212	BUSHING	6	
2	12140-00005	PIN, Snap	2	
2	12140-00006	PIN, Snap	2	
8	11000-30820	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	00036-08252	WASHER	2	
2	18502-00500	GRIP	2	
2	00682-12800	RUBBER	2	
2	11400-20005	WASHER, Spring	2	
2	11205-30510	SCREW, Pan Head	2	
4	11411-10010	WASHER, Plain	4	

NOTE

2396-- with Breaker Circuit Type

Fig. 11-5 L/1

FIG. 12-1 CONTROL LEVER, OPERATION



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-10200	LEVER (R. HD)	
1	00632-20300	LEVER (L. HD)	
1	00632-20600	BRACKET	
1	00632-17100	LEVER	#125 ~
1	00632-21100	LEVER	#1 ~ #125
1	00632-17200	LEVER	#125 ~
1	00632-21200	LEVER	#1 ~ #125
1	00632-17400	ARM (R. H)	#125 ~
1	00632-21400	ARM (R. H)	#1 ~ #125
1	00632-17500	ARM (L. H)	#125 ~
1	00632-11500	ARM (L. H)	#1 ~ #125
1	00632-21600	LEVER	
1	00632-21700	LEVER	
1	00632-21800	YOKE	
3	00932-22000	YOKE	
2	00053-05100	ROD, Yoke	
5	00040-05117	PIN	
2	00632-11900	YOKE	
2	00932-21100	BOOT	
4	00040-08021	PIN	
3	13405-00080	ROD, End	
4	13330-01325	BUSHING	
2	13330-01212	BUSHING	
5	12140-00005	PIN, Snap	
4	12140-00006	PIN, Snap	

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

Fig. 12-1 1/2

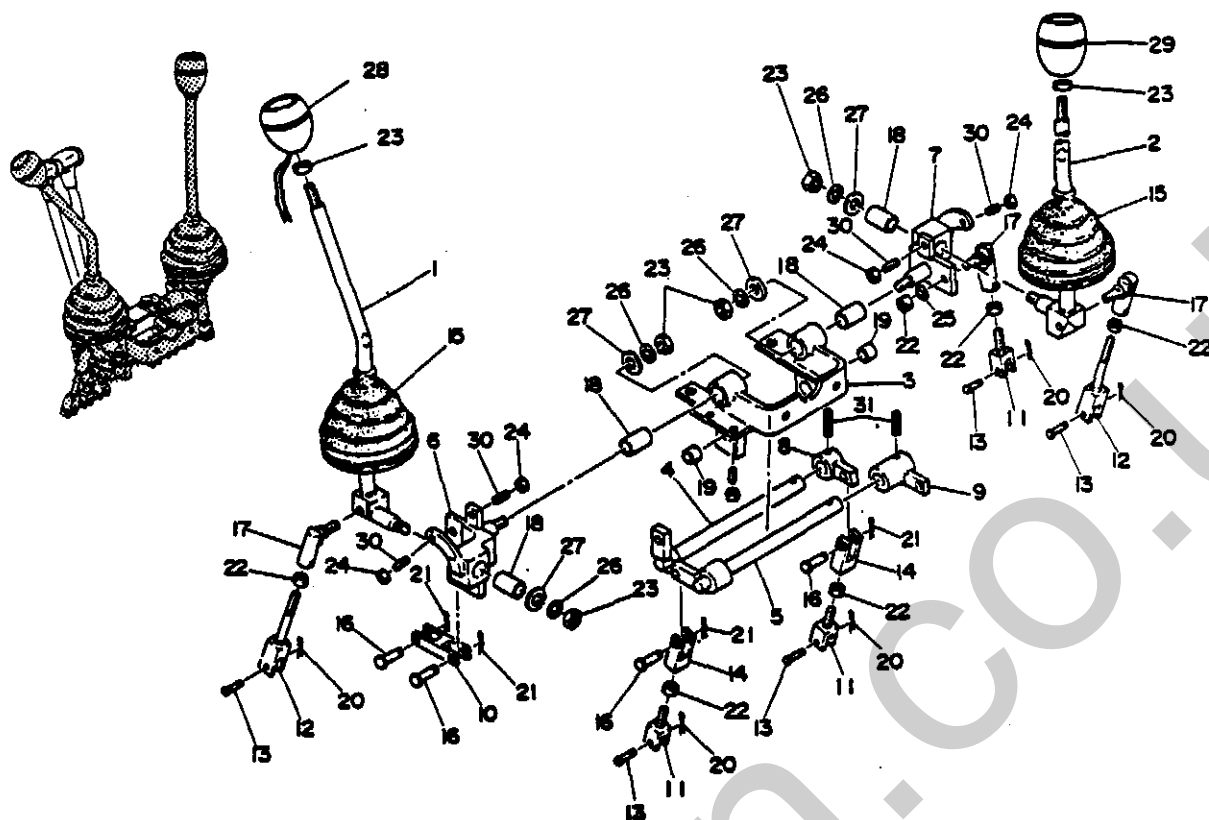
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
6	11300-50008	NUT	
4	11300-50010	NUT	
8	11300-50006	NUT	
1	11400-10008	WASHER, Spring	
4	11400-10010	WASHER, Spring	
4	11415-40010	WASHER	
1	10501-14001	GRIP	
1	10501-24001	GRIP	
8	11210-50016	SET SCREW	
2	12130-00525	PIN, Spring	

NOTE

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

Fig. 12-1 2/2

FIG. 12-2 CONTROL LEVER, OPERATION



QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-15200	LEVER (L. ID)	1	25	11400-10010	WASHER, Spring	4
2	00632-16300	LEVER (L. ID)	1	27	11415-40010	WASHER	4
3	00632-20600	BRACKET	1	28	10502-01000	GRIP	1
4	00632-17100	LEVER	1	29	10502-01100	GRIP	1
5	00632-17200	LEVER	1	30	11210-50016	SET SCREW	6
6	00632-17400	ARM (L. ID)	1	31	12130-00525	PIN, Spring	2
7	00632-17500	ARM (L. ID)	1				
8	00632-21600	LEVER	1				
9	00632-21700	LEVER	1				
10	00632-21800	YOKE	1				
11	00632-22000	YOKE	3				
12	00653-05100	ROD, Yoke	2				
13	00040-05117	PIN	5				
14	00632-11300	YOKE	2				
15	00632-21100	BOOT	2				
16	00040-00021	PIN	4				
17	13405-00000	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	11300-50000	NUT	6				
23	11300-50010	NUT	6				
24	11300-50005	NUT	6				
25	11400-10000	WASHER, Spring	1				

NOTE: 8396-1, w/o Breaker Circuit Type

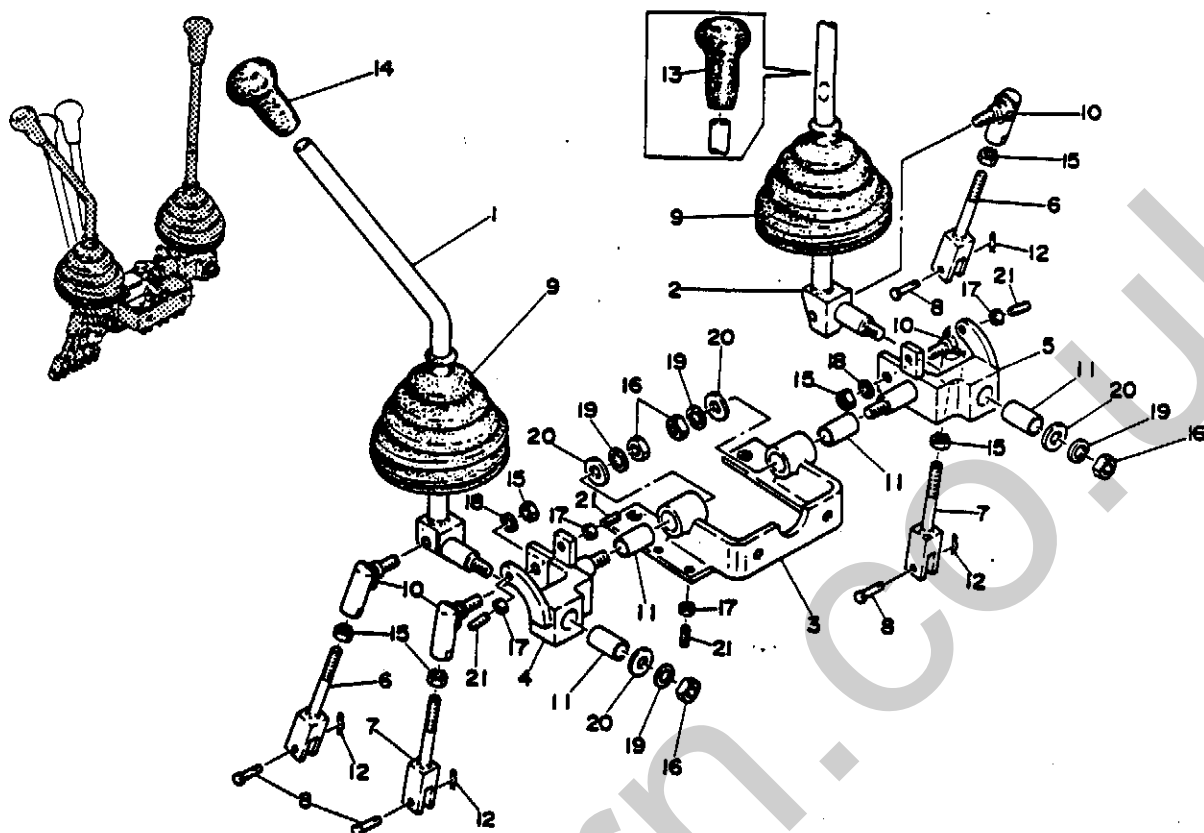
FIG. 12-2 1/2

NOTE

8396-1, w/o Breaker Circuit Type

FIG. 12-2 2/2

FIG. 12-3 CONTROL LEVER OPERATION



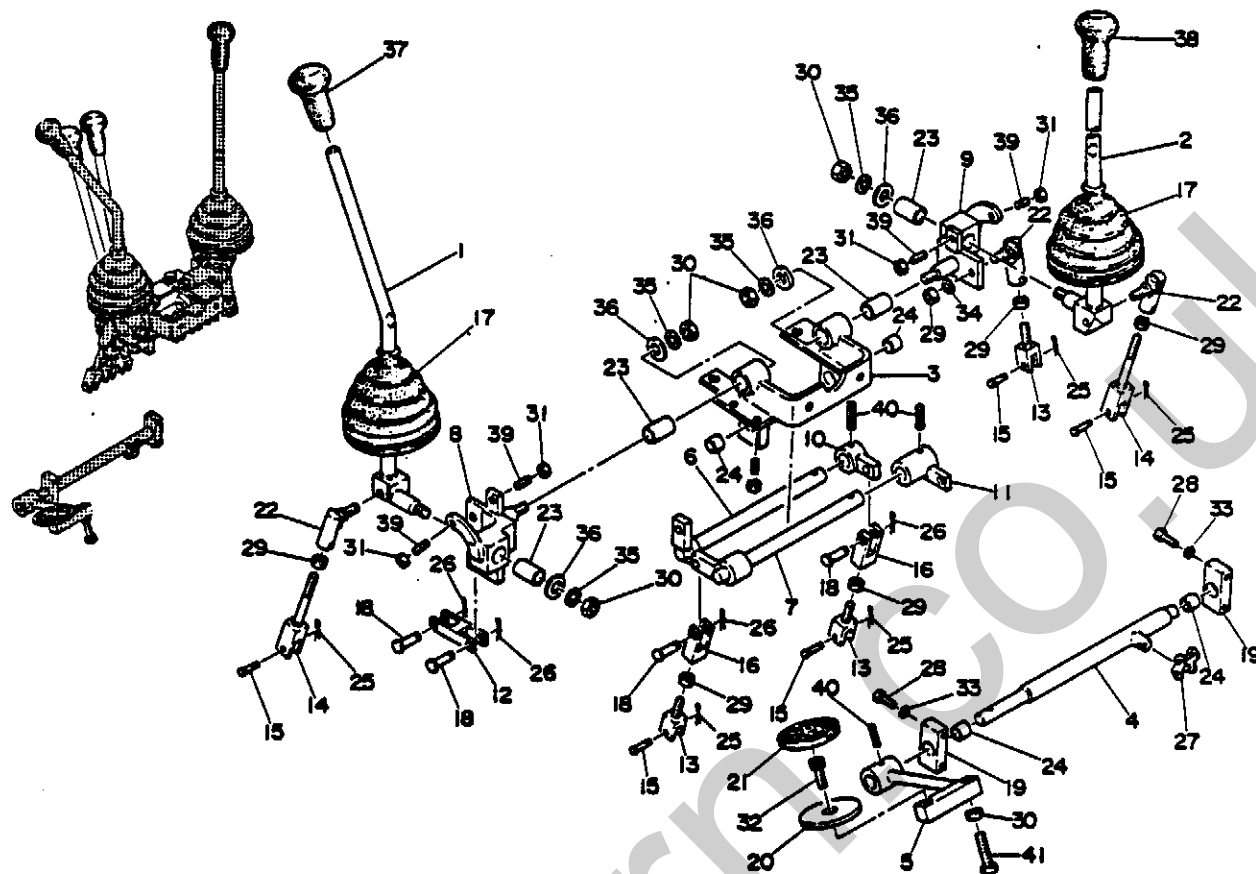
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00632-10200	LEVER (R. H)	
1	00632-10300	LEVER (L. H)	
1	00632-10600	BRACKET	
1	00632-11400	ARM (R. H)	
1	00632-11500	ARM (L. H)	
2	00053-05105	ROD, Yoke	
2	00053 05100	ROD, Yoke	
4	00040-05117	PIN	
2	00932 21100	BOOT	
1	13405-00000	ROD, End	
4	13310 01525	BUSHING	
4	12140 00005	PIN, Snap	
1	16501 14061	GRIP	
1	16501 24061	GRIP	
6	11300 50008	NUT	
4	11300 50010	NUT	
6	11300 50006	NUT	
2	11400 10008	WASHER, Spring	
4	11400 10010	WASHER, Spring	
4	11415 40010	WASHER	
1	11210 50616	SET SCREW	

NOTE

For Region 01~0395

Fig.12-3 L/1

FIG. 12-4 CONTROL LEVER, OPERATION



Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS	Item	PARTS NUMBER	DESCRIPTION	Qty	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	00653-05100	ROD, Yoke	2		39	11210-50616	SET SCREW	8	
15	00940-05117	PIN	5		40	12130-00325	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	12140-00005	PIN, Snap	5						

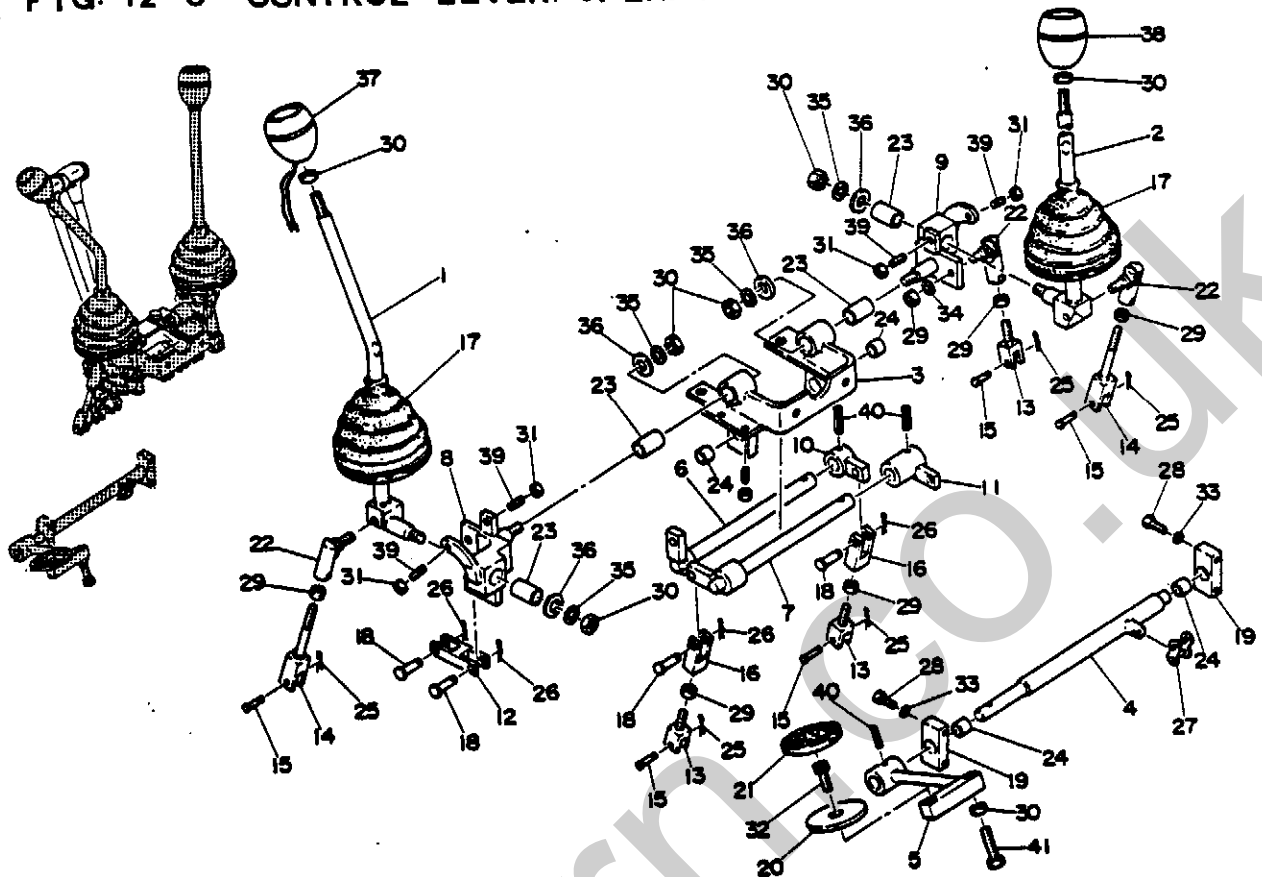
NOTE #193-#395, with Breaker Circuit Type

Fig.12-4 1/2

NOTE

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

FIG. 12-5 CONTROL LEVER, OPERATION



1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-15200	LEVER (R. H)	1		26	12140-00005	PIN, Snap	4	
2	00632-16300	LEVER (L. H)	1		27	15200-50000	JOINT ASSY. Link	1	
3	00632-20600	BRACKET	1		28	11000-50616	BOLT	4	
4	00632-22300	LEVER, Breaker	1		29	11300-50000	NUT	6	
5	00632-22400	PEDAL	1		30	11300-50010	NUT	7	
6	00632-17100	LEVER	1		31	11300-50006	NUT	8	
7	00632-17200	LEVER	1		32	11100-50020	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	16502-01000	GRIP	1	
13	00932-22000	YOKE	3		38	16502-01100	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	00040-08021	PIN	4						
19	00632-22600	CASE, Bearing	2						
20	01432-64400	WASHER	1						
21	01432-64800	COVER	1						
22	13405-00000	ROD, End	3						
23	13330-01525	BUSHING	4						
24	13330-01212	BUSHING	4						
25	12140-00005	PIN, Snap	5						

NOTE 8396~, with Breaker Circuit Type

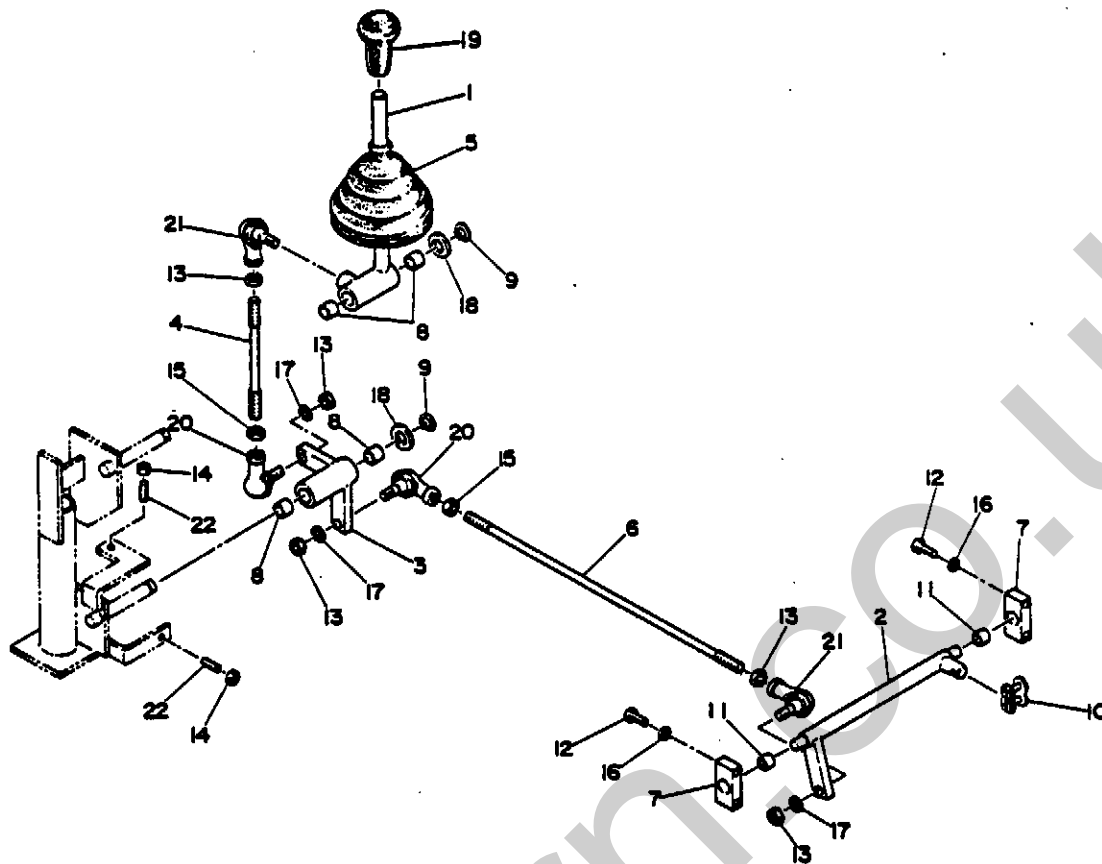
Fig.12-5 1/2

NOTE

8396~, with Breaker Circuit Type

Fig.12-5 2/2

FIG. 13-1 CONTROL LEVER, BLADE



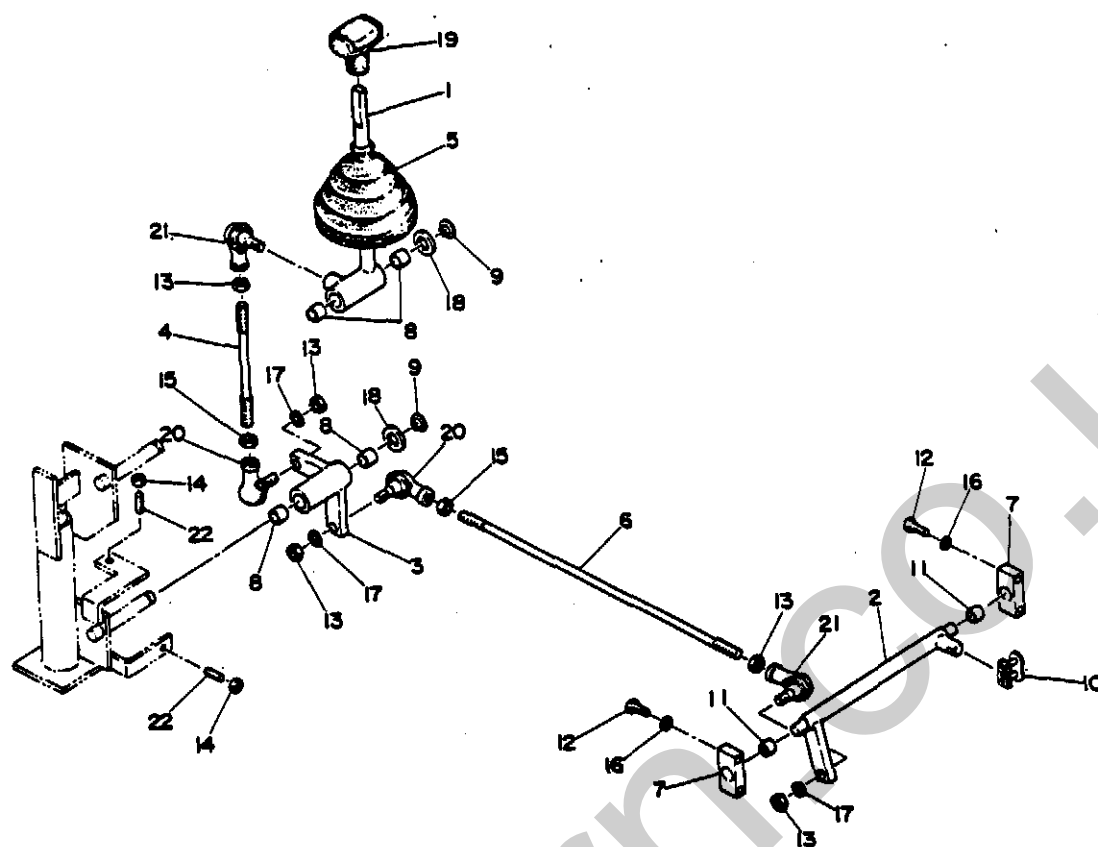
1mm	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00632-11800	LEVER, Blade	1	
2	00632-10900	LEVER	1	
3	00632-11700	LEVER	1	
4	00050-08140	ROD	1	
5	00932-21100	BOOT	1	
6	00050-08385	ROD	1	
7	00632-12000	CASE, Bearing	2	
8	13330-01212	BUSHING	4	
9	12200-00012	RING, Saep	2	
10	16200-30000	JOINT ASSY, Link	1	
11	13330-01010	BUSHING	2	
12	11000-50616	BOLT	4	
13	11300-50008	NUT	3	
14	11300-50006	NUT	2	
15	11315-50008	NUT	2	
16	11400-10006	WASHER, Spring	4	
17	11400-10008	WASHER, Spring	3	
18	11415-40012	WASHER	2	
19	16301-14001	GRIP	1	
20	13400-00085	ROD, End	2	
21	13400-00080	ROD, End	2	
22	11210-50620	SET SCREW	2	

NOTE

#1 ~, u / e Smaller Circuit Type

Fig. 13-1 L/1

FIG. 13-2 CONTROL LEVER, BLADE



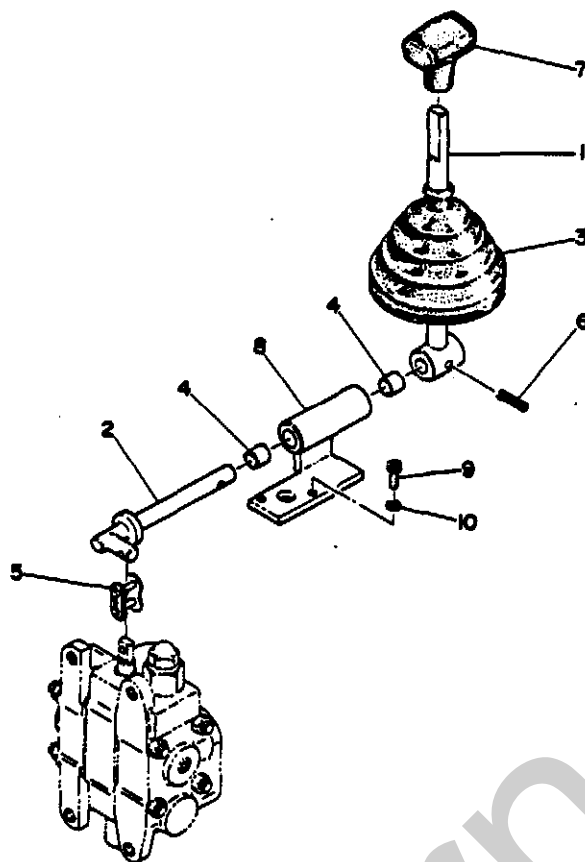
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00632-15800	LEVER, Blade	1	
2	00632-10900	LEVER	1	
3	00632-11700	LEVER	1	
4	00050-08140	ROD	1	
5	00932-21100	BOOT	1	
6	00050-08365	ROD	1	
7	00632-12000	CASE, Bearing	2	
3	13330-01212	BUSHING	4	
9	12200-00612	RING, Snap	2	
10	10200-50000	JOINT ASSY, Link	1	
11	13330-31010	BUSHING	2	
12	11300-50616	BOLT	4	
13	11300-50008	NUT	5	
14	11300-50000	NUT	2	
15	11315-50008	NUT	2	
16	11400-10006	WASHER, Spring	4	
17	11400-10006	WASHER, Spring	3	
18	11413-10012	WASHER	2	
19	16502-00300	GRIP	1	
20	11400-00085	ROD, End	2	
21	11400-00080	ROD, End	2	
22	11210-50620	SET SCREW	2	

NOTE

• / • Breaker Circuit Type

Fig. 13-2 1/1

FIG. 13-3 CONTROL LEVER, BLADE



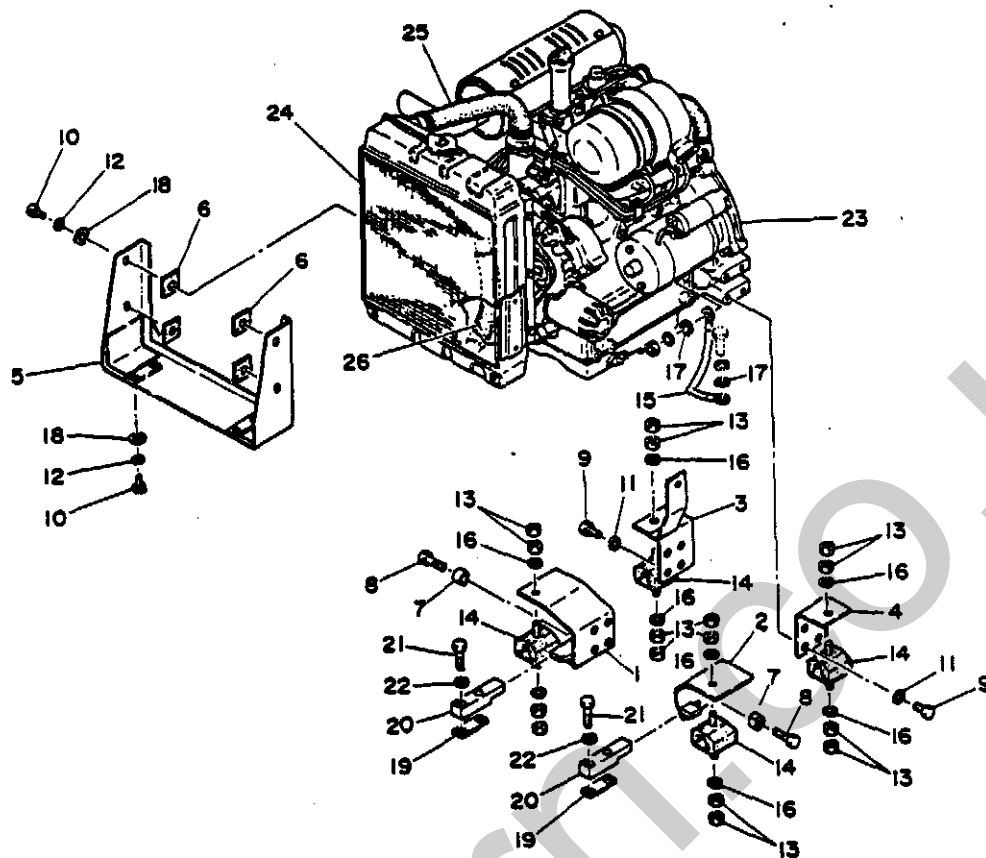
PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1 00632-22200	LEVER, Blade	1	
2 00632-22500	LEVER	1	
3 00932-21100	BOOT	1	
4 13330-01212	BUSHING	2	
5 16200-50000	JOINT ASSY, Link	1	
6 12139 00525	PIN, Spring	1	
7 16502 00303	GRIP	1	
8 00632 22700	BRACKET	1	
9 11100 30513	BOLT, Socket	2	
10 11400 13005	WASHER, Spring	2	

NOTE

#193~. with Remote Circuit Type

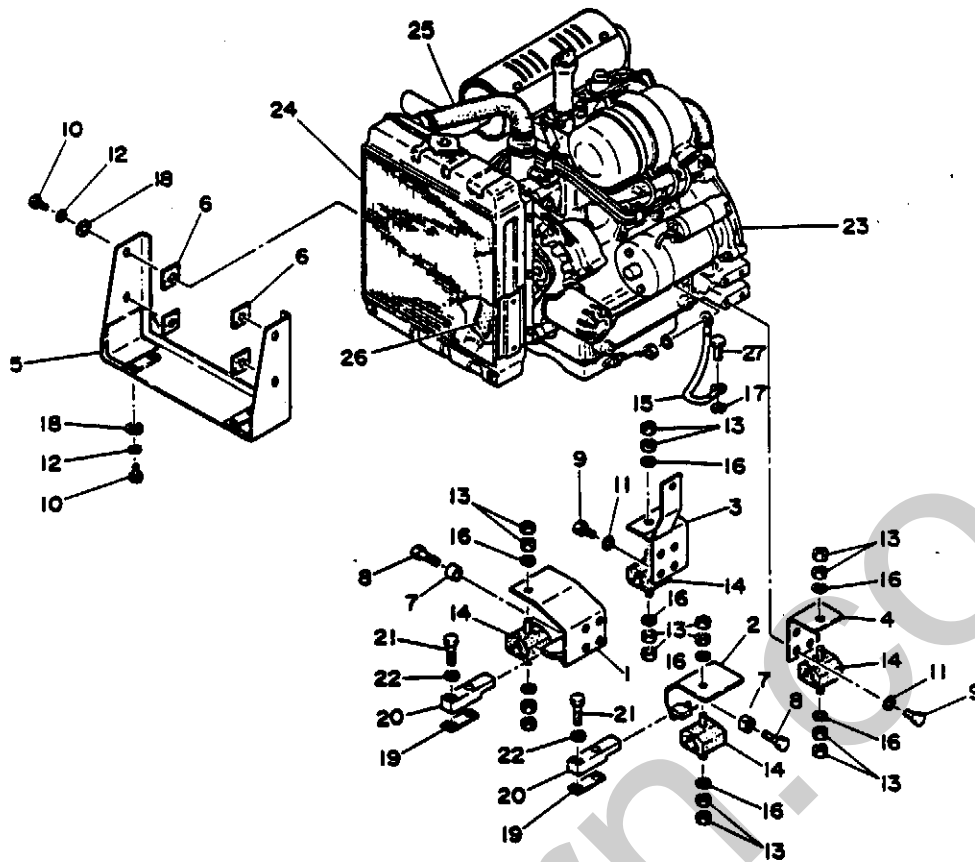
Fig.13-3 1/1

FIG. 14-1 ENGINE & ACCESSORIES



1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS	1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00640-11300 FOOT. Engine	1		2	***** 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	10510 81360 RUBBER. Cushion	4					
15	17021 10280 CABLE. Earth	1					
16	11400 10013 WASHER. Spring	2					
17	00640 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	Y12027-4800				
25	***** HOSE	1					
NOTE #1-#126				NOTE #1-#126			
Fig. 14-1 L/2				Fig. 14-1 L/2			

FIG. 14-2 ENGINE & ACCESSORIES



QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00640-11300	FOOT, Engine	1	25	-----	HOSE	1
2	00640-11600	FOOT, Engine	1	27	11000-41016	BOLT	1 #127~
3	00640-11300	FOOT, Engine	1				
4	00640-11400	FOOT, Engine	1				
5	00640-10300	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	8				
11	11400 10012	WASHER, Spring	8				
12	11400 10008	WASHER, Spring	8				
13	11300 40010	NUT	16				
14	16510-81360	RUBBER, Cushion	4				
15	17024 30280	CABLE, Earth	1				
16	11400 10010	WASHER, Spring	8				
17	11403 30010	WASHER	1 #130~				
18	00036 00232	WASHER	8				
19	01446 53300	SHIM	4#				
20	00640 11800	STOPPER	2				
21	11000 51245	BOLT	4				
22	11415-40012	WASHER	4				
23	-----	ENGINE	1 #127~				
24	-----	RADIATOR	1 Y1250ET-4000				
25	-----	HOSE	1				

NOTE #127~

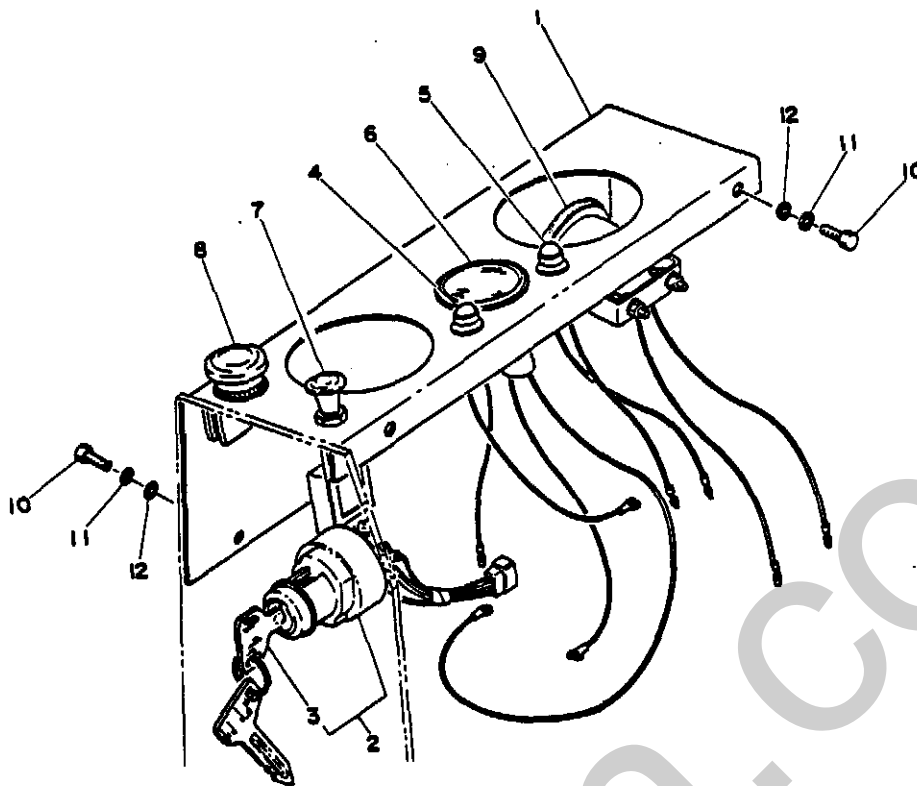
FIG. 14-2 1/2

NOTE

#128~

FIG. 14-2 2/2

FIG. 15-1 CONTROL BOX



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00643-10300	PANEL, Control	1	
1	193310-00000	SWITCH ASSY. Starter	1	193310-00000
1	Y113200-77631	SWITCH ASSY. Starter	1	Y113200-77631
1	NEW TYPE	KEY	1	NEW TYPE
1	OLD TYPE	KEY	1	OLD TYPE
1	Y124732-77720	LAMP, Charge	1	Y124732-77720
1	Y124732-77970	LAMP, Oil	1	Y124732-77970
1	Y124732-77850	THERMOMETER	1	Y124732-77850
1	17010 00102	SWITCH, Light	1	
1	17000 01211	SWITCH, Horn	1	171 ~ 01225
1	17300 85970	METER, Hour	1	
4	11000 30616	BOLT	4	
4	11400 20006	WASHER, Spring	4	
4	11411 10006	WASHER, Plain	4	

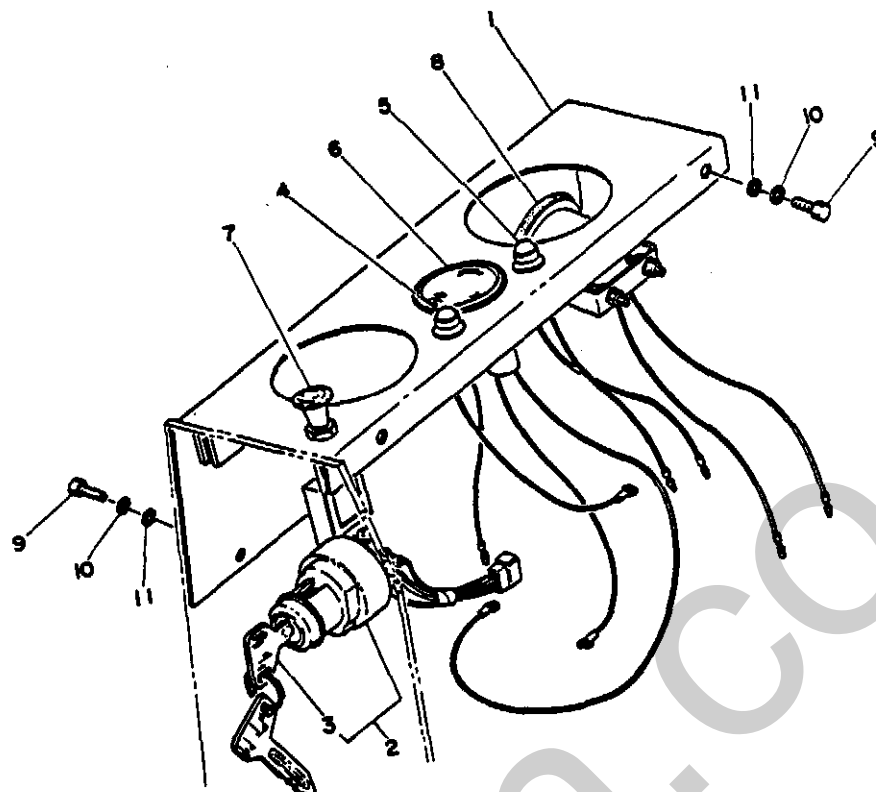
NOTE

#1~#395

(Item 2 193310-00000...New Type, Y113200-77631...Old Type)

Fig. 15-1 1/1

FIG. 15-2 CONTROL BOX



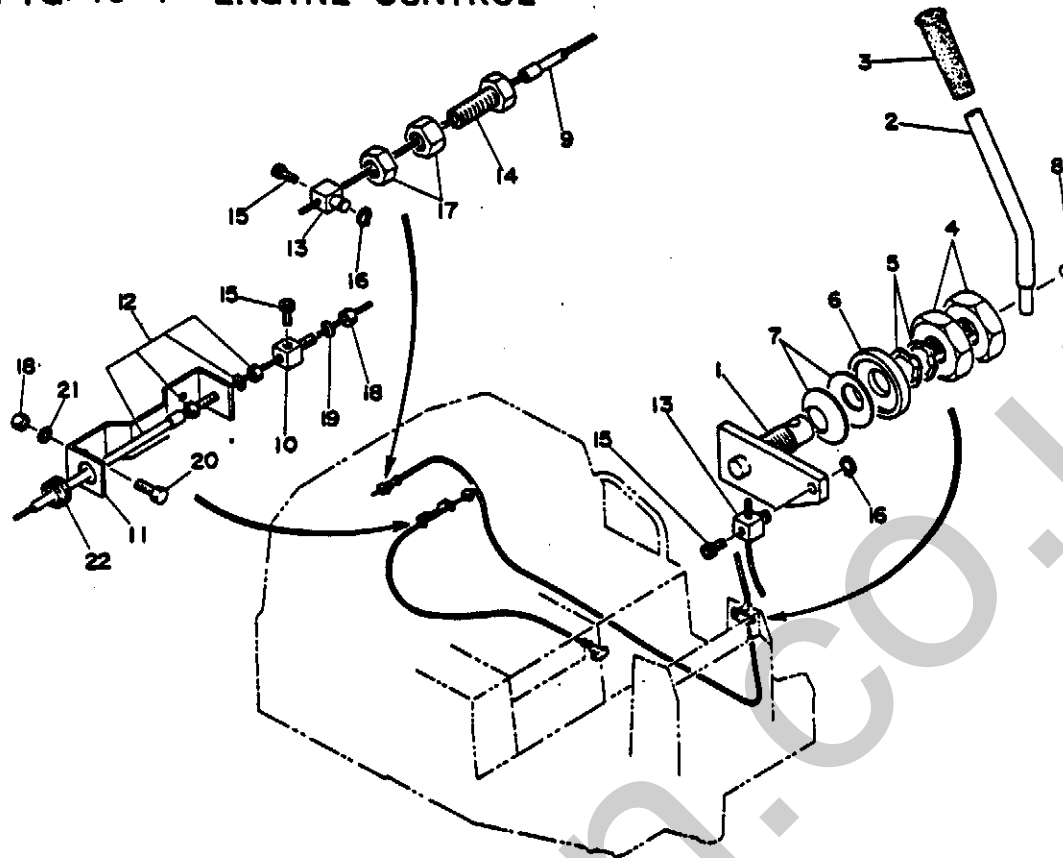
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00043-13100	PANEL, Control	1	
1	00000-00000	SWITCH ASSY, Starter	1	Y00010-00000
1	00000-00000	*KEY	1	
1	00000-00000	LAMP, Charge	1	Y124732-77720
1	00000-00000	LAMP, Oil	1	Y124732-77900
1	00000-00000	THERMOMETER	1	Y124732-77800
1	17010-00102	SWITCH, Light	1	
1	17300-00970	METER, Hour	1	
4	11000-30616	BOLT	4	
4	11400-20006	WASHER, Spring	4	
4	11411-10006	WASHER, Plain	4	

NOTE

#3396~

Fig. 15-2 L/1

FIG. 16-1 ENGINE CONTROL



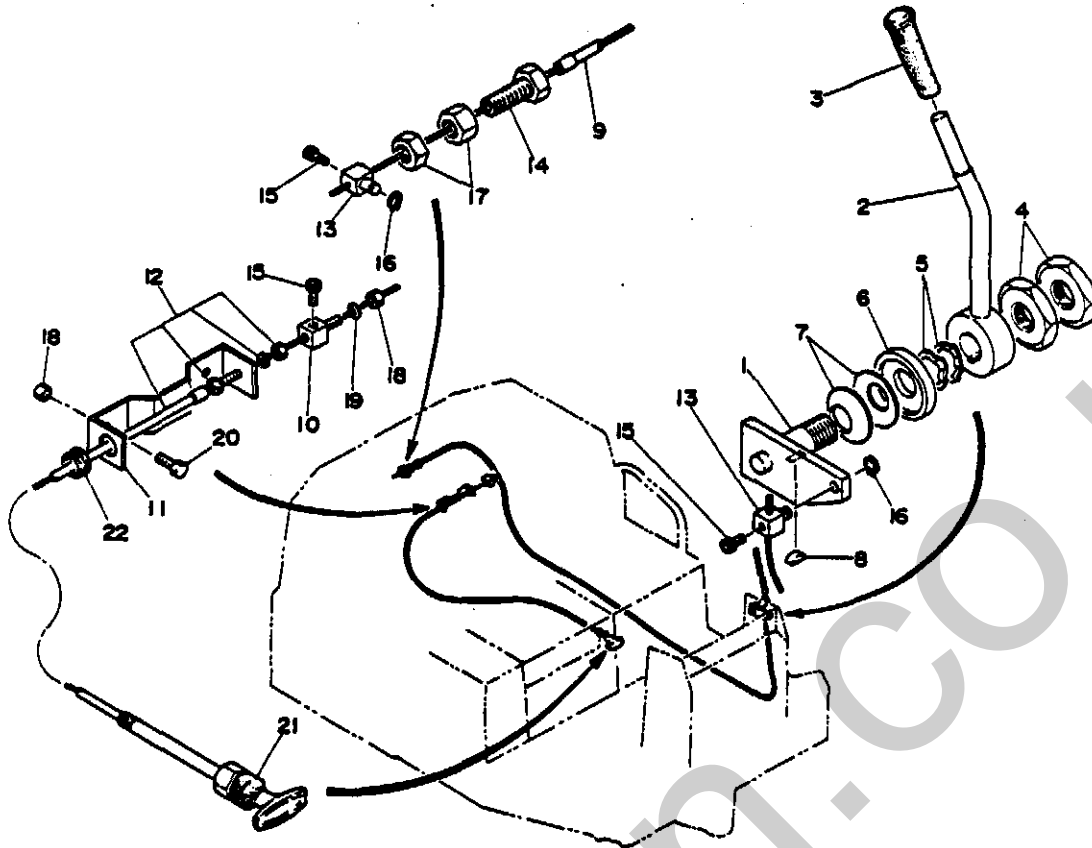
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00641-90000	CONTROL ASSY. Engine	1	
1	00641-11500	*LEVER	1	
2	00641-11600	*LEVER	1	
3	16501-42050	*GRIP	1	
4	00641-11700	*NUT	2	
5	12250-00018	*WASHER	2	
6	00641-21800	*WASHER	1	
7	12251-20018	*SPRING, Conical	2	
8	11210-40808	*SET SCREW	1	
9	00641-10100	CABLE, 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	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	11400-20006	WASHER, Spring	2	
22	16520-00802	GROMMET	1	

NOTE

81-8175

FIG. 16-1 L1

FIG. 16-2 ENGINE CONTROL



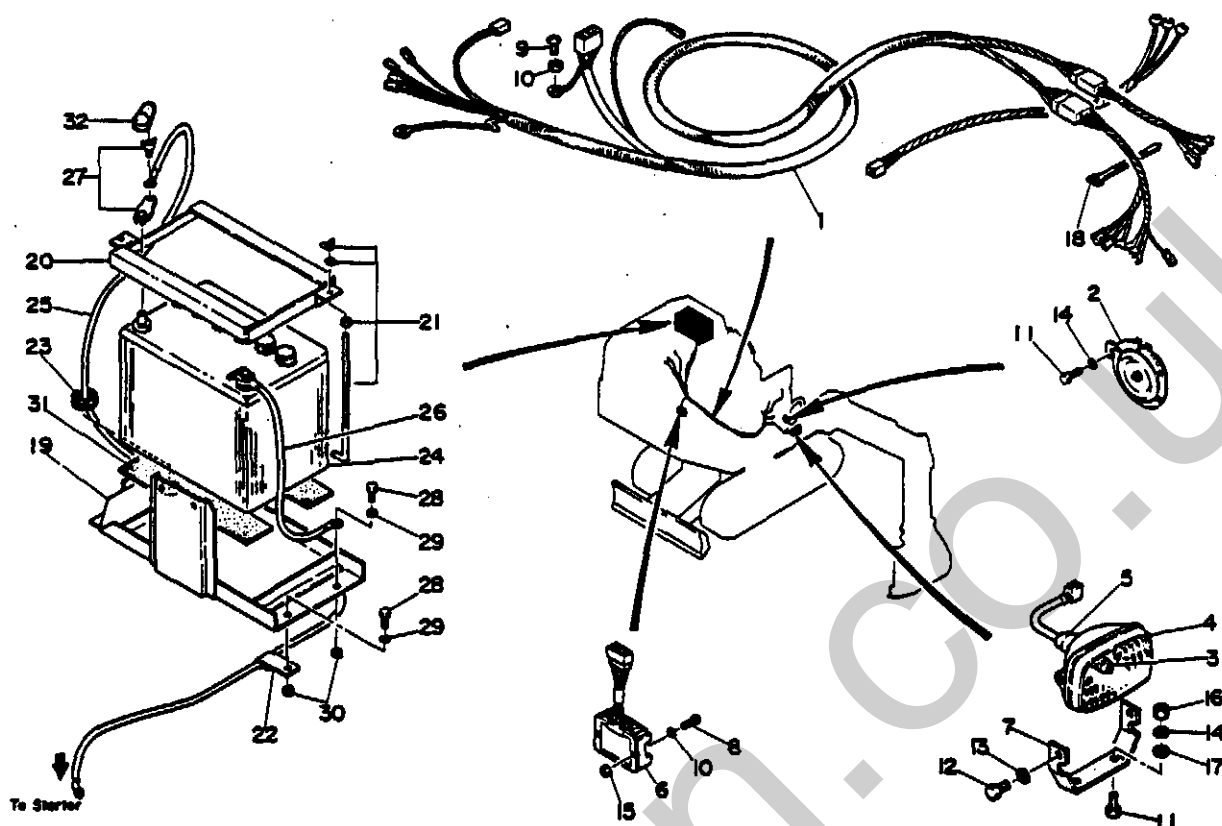
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
Q1	00641-90010	CONTROL ASSY. Engine	1	
1	00641-23200	*LEVER	1	
2	00641-23100	*LEVER	1	
3	16301-42050	*GRIP	1	
4	00641-11700	*NUT	2	
5	12250-00018	*WASHER	2	
6	00641-21800	*WASHER	1	
7	12251-20018	*SPRING, Conical	2	
8	12030-40413	*KEY	1	
9	00641-10100	CABLE, Control	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	16520-00002	GROMMET	1	

NOTE

#176-

FIG. 16-2 1/1

FIG. 17-1 ELECTRICALS



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00642-90010	HARNESS, Wiring	1 #19-#235	21	17021-00220	BOLT, Hook	2
	00642-90000	HARNESS, Wiring	1 #1 ~ #16	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 ~ #16	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	11000-50016	BOLT	4
5	17030-00102	*HARNESS, Light	1	29	11400-10008	WASHER, Spring	4
6	*****	LIMITER, Current	1 Y12160-77711	30	11300-50008	NUT	4
7	00642-10300	BRACKET	1	31	16547-05000	RUBBER	2
8	11205-30635	SCREW, Pan Head	2	32	17029-20060	CAP	1 #127 ~
9	11205-30610	SCREW, Pan Head	1				
10	11400-10006	WASHER, Spring	3				
11	11000-40016	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	NR #127 ~				
	00644-11100	STAND	NR #1 ~ #126				
20	00644-11200	HOLDER	NR				

NOTE #1-#230

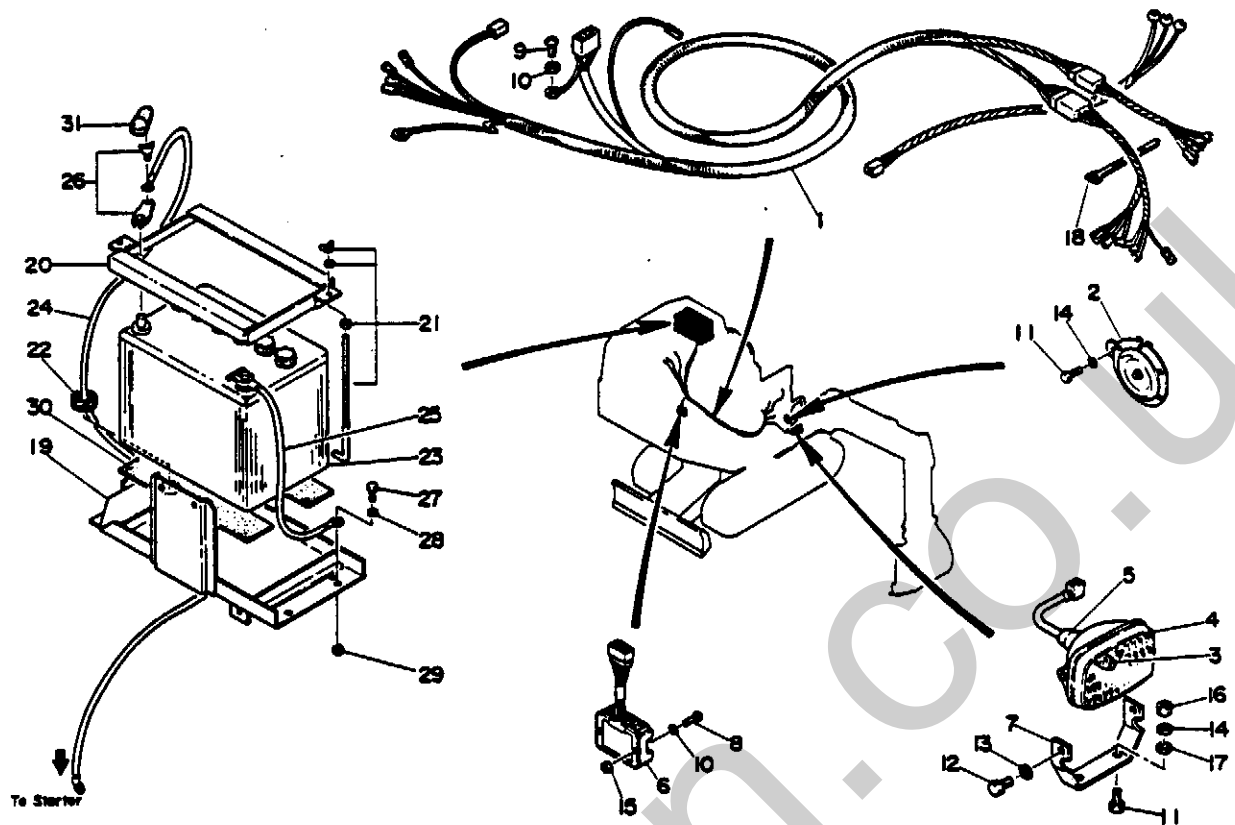
Fig. 17-1 1/2

NOTE

#1-#230

Fig. 17-1 2/2

FIG. 17-2 ELECTRICALS



Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS	Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00642-90020	HARNESS, Wiring	1	8300 ~	24	17025-30085	CABLE, Battery	1	
	00642-90010	HARNESS, Wiring	1	810-8300	25	17022-30340	CABLE, Earth	1	
2	17035-00412	HORN	1		26	17023-08513	TERMINAL	1	
01	17030-00100	LAMP ASSY	1		27	11008-50816	BOLT	4	
3	17030-00103	*BULB	1		28	11400-10008	WASHER, Spring	4	
4	17030 00101	*LAMP	1		29	11300-50008	NUT	4	
5	17030-00102	*HARNESS, Light	1		30	16547-05000	RUBBER	2	
	*****	LIMITER, Current	1	112160-77711	31	17029-20060	CAP	1	
7	00642 10500	BRACKET	1						
8	11205 30635	SCREW, Pan Head	2						
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 10006	NUT	2						
16	11300 43008	NUT	2						
17	11411 10008	WASHER, Plain	2						
18	16522 00003	BAND	2						
19	00644 12600	STAND	1						
20	00644 11200	HOLDER	1						
21	17021-06220	BOLT, Hook	2						
22	16520-02202	GROMMET	1						
23	17020-00060	BATTERY	1						

NOTE #231~

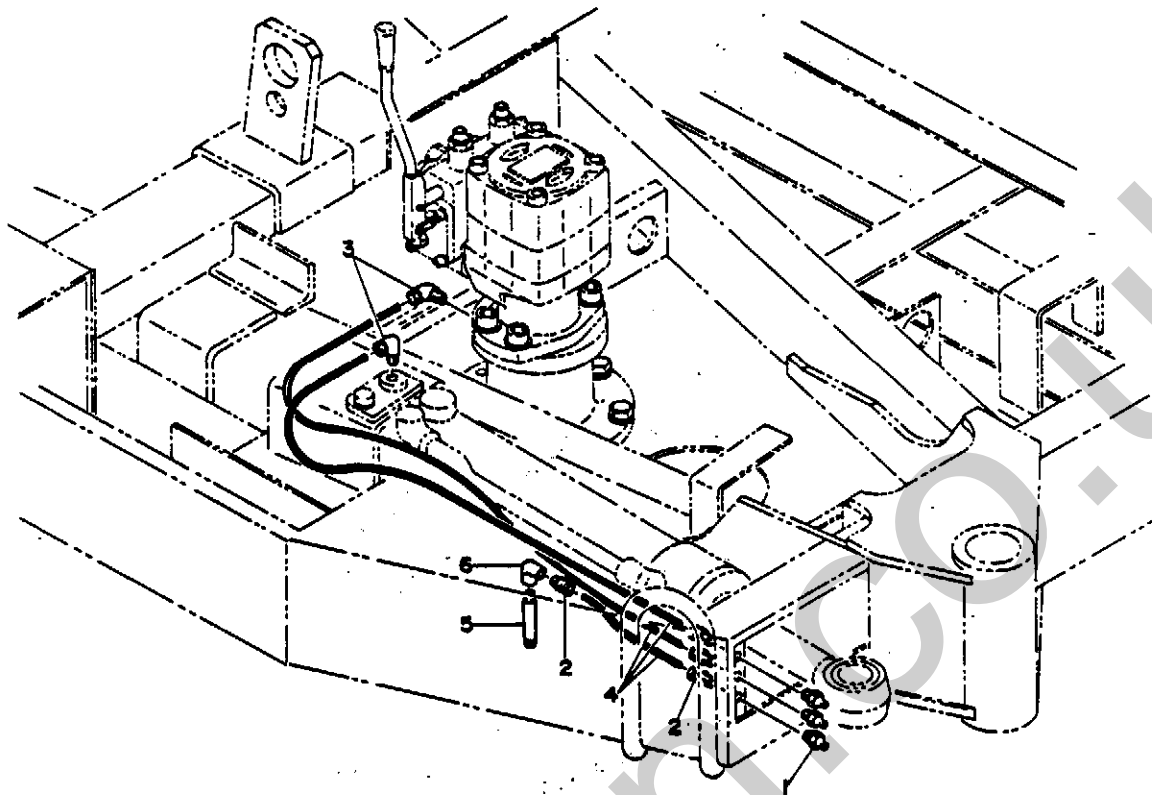
Fig.17-2 1/2

NOTE

#231~

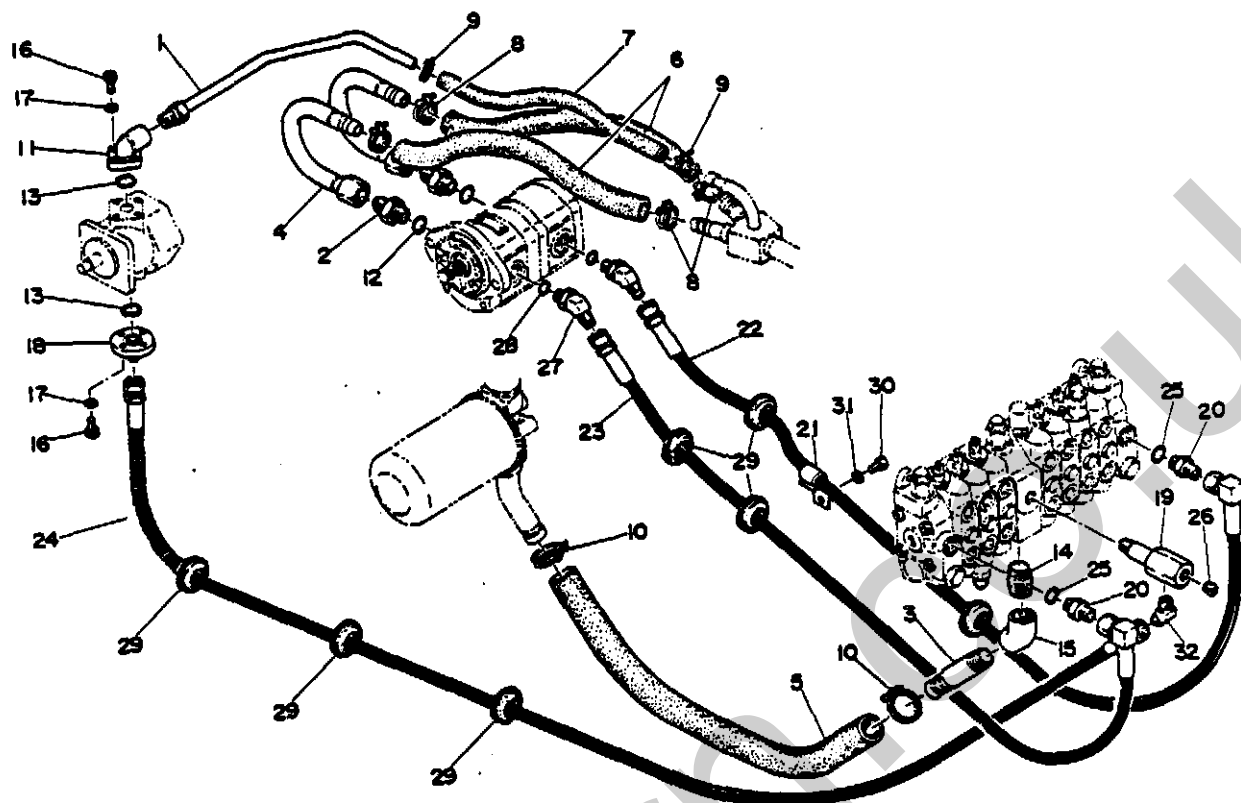
Fig.17-2 2/2

FIG. 18 GREASE PIPING



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
3	15800-01000	NIPPLE Grease	
4	15325-20601	CONNECTOR	
2	15326-20601	ELBOW, 90°	
4	15320-20600	TUBE	
1	00091-01060	NIPPLE	
1	15080 00001	ELBOW	

FIG. 19-1 HYD. PIPING, UPPER 1



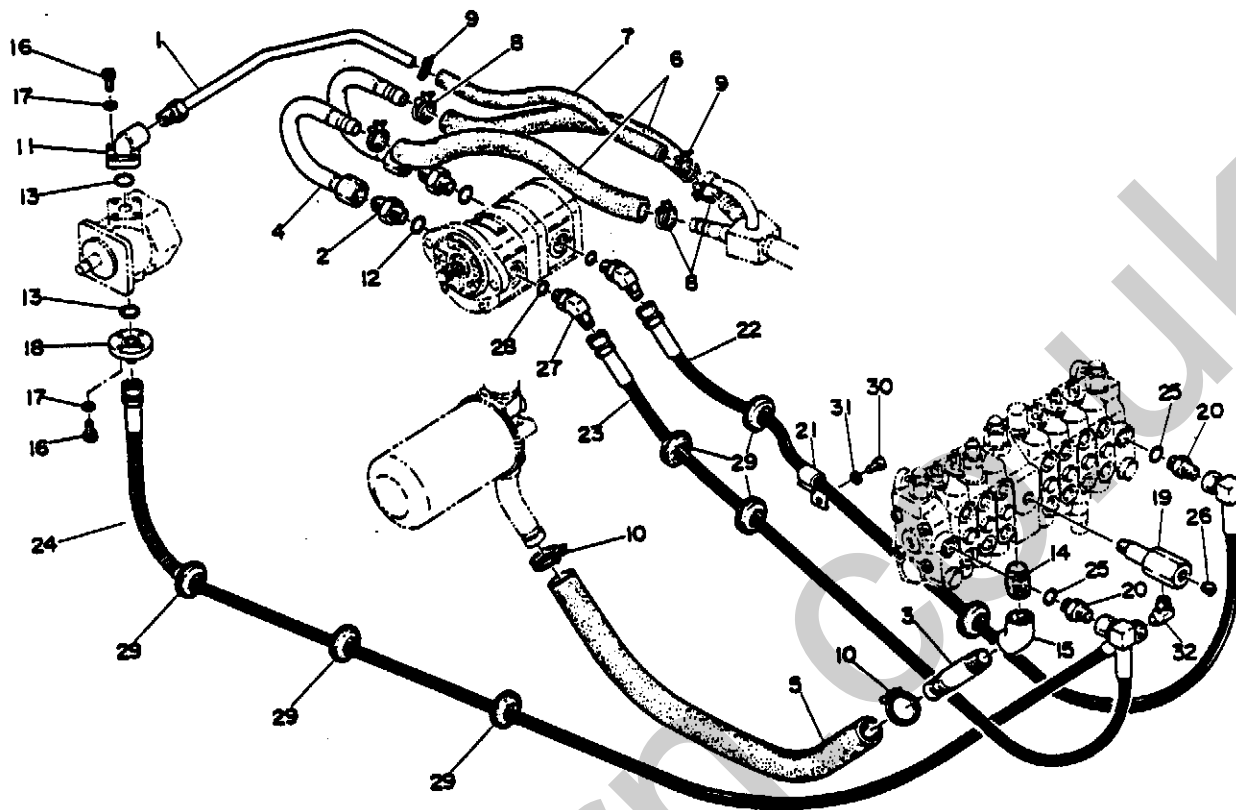
1mm	PARTS NUMBER	DESCRIPTION	Q'ty	REMARKS	1mm	PARTS NUMBER	DESCRIPTION	Q'ty	REMARKS
1	00671-10100	PIPE	1		26	15816-20002	PLUG	1	
2	00072-00072	ADAPTOR	2		27	13151-01314	ELBOW, 45°	2	
3	00699-00016	NIPPLE	1		28	14200-10140	O-RING	2	
4	00671-10200	PIPE	2		29	16520-02502	GROMMET	7	
5	15305-26070	HOSE	1		30	11000-40016	BOLT	1	
6	15305-20014	HOSE	2		31	11400-20008	WASHER, Spring	1	
7	15305-14030	HOSE	1		32	13112-00003	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



1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00671-10100	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	00671-10200	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, 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. Per Diagram

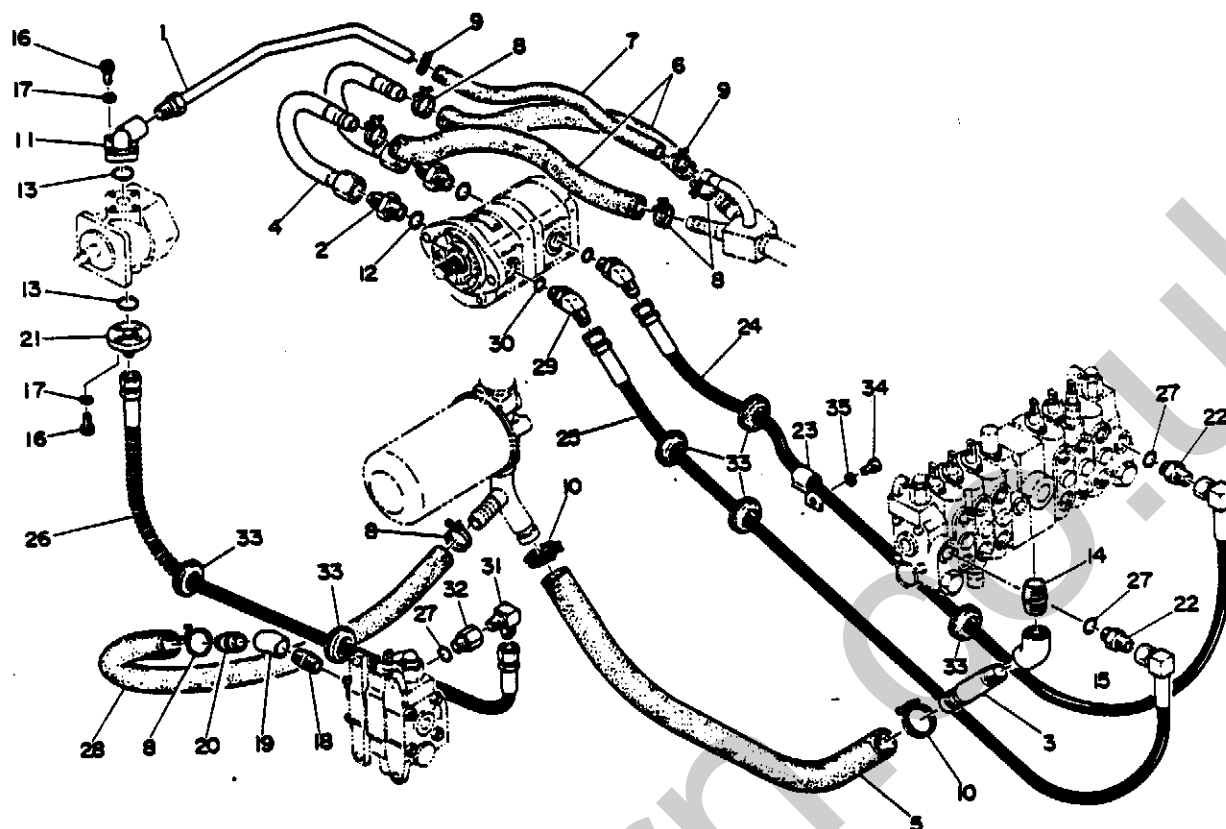
FIG. 19-2 1/2

NOTE

#1-#192. Per Diagram

FIG. 19-2 2/2

FIG. 19-3 PIPING, UPPER 1



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00671-10100	PIPE	
2	00672-00072	ADAPTOR	
3	00099-00010	NIPPLE	
4	00671-10200	PIPE	
5	15305-20000	HOSE	
6	15305-20032	HOSE	
7	15305-14030	HOSE	
8	15330 01032	CLAMP	
9	15330 01025	CLAMP	
10	15330 01038	CLAMP	
11	15336-10006	FITTING	
12	14200-10100	O-RING	
13	14200 10200	O RING	
14	15130 00006	NIPPLE	
15	15081 00006	ELBOW, 45°	
16	11100-40620	BOLT, Socket	
17	11400 20006	WASHER, Spring	
18	15130-00004	NIPPLE	
19	15081-00004	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 #193~ . with Breaker Circuit Type

QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19095-09100	HOSE ASSY	
3	14203-10900	O-RING	
1	15305-20026	HOSE	
2	15151-01314	ELBOW, 45°	
2	14200-10140	O-RING	
1	15111 00003	ELBOW, 90°	
1	15131-00001	ADAPTOR	
6	16320-02502	GROMMET	
1	11000 40816	BOLT	
1	11400 20008	WASHER	

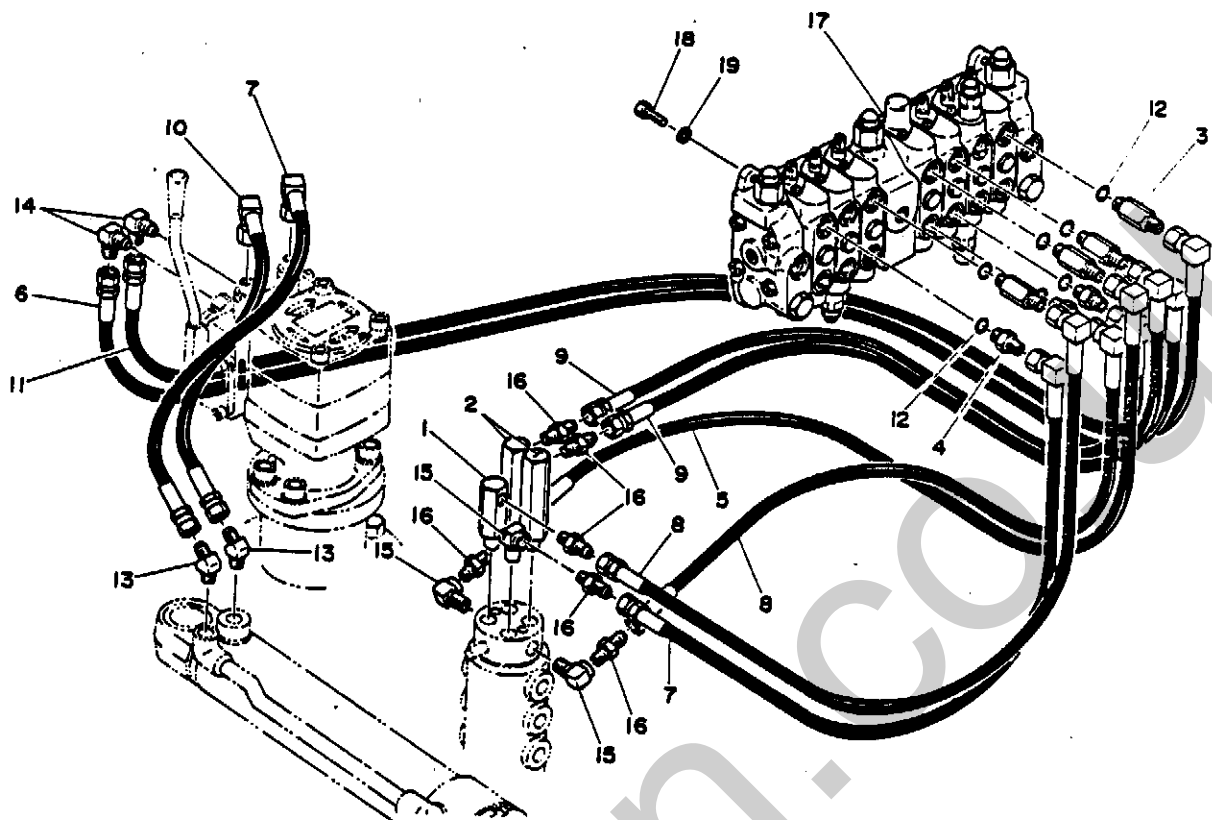
NOTE

#193~ . with Breaker Circuit Type

Fig. 19-3 2/2

Fig. 19-3 1/2

FIG. 20-1 PIPING, UPPER 2

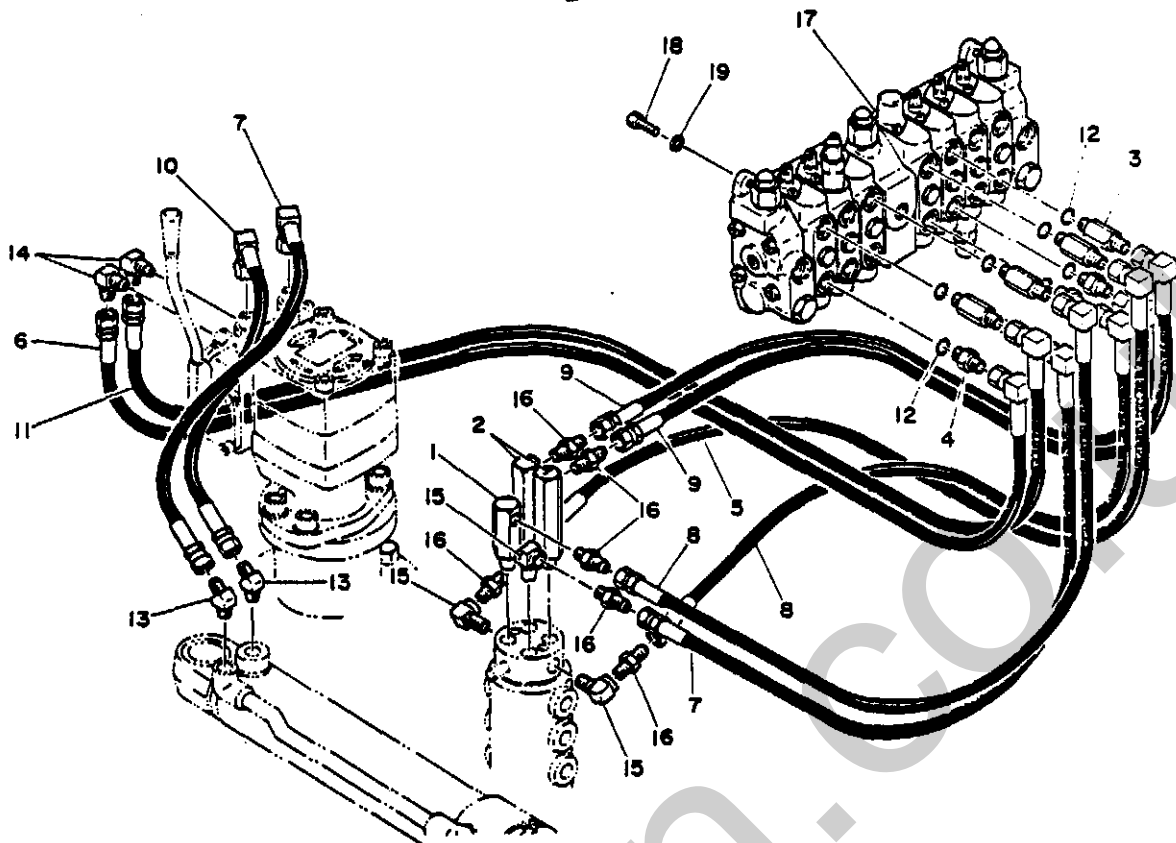


1	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00072-00042	ADAPTOR	1	
2	00072-00052	ADAPTOR	2	
3	00072-00076	ADAPTOR	4	
4	00072-00075	ADAPTOR	4	
5	19094-00060	HOSE ASSY	1	
6	19094-00035	HOSE ASSY	1	
7	19094-00040	HOSE ASSY	2	
8	19094-00045	HOSE ASSY	2	
9	19094-00050	HOSE ASSY	2	
10	19094-00035	HOSE ASSY	1	
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 ✓

FIG. 20-2 PIPING, UPPER 2



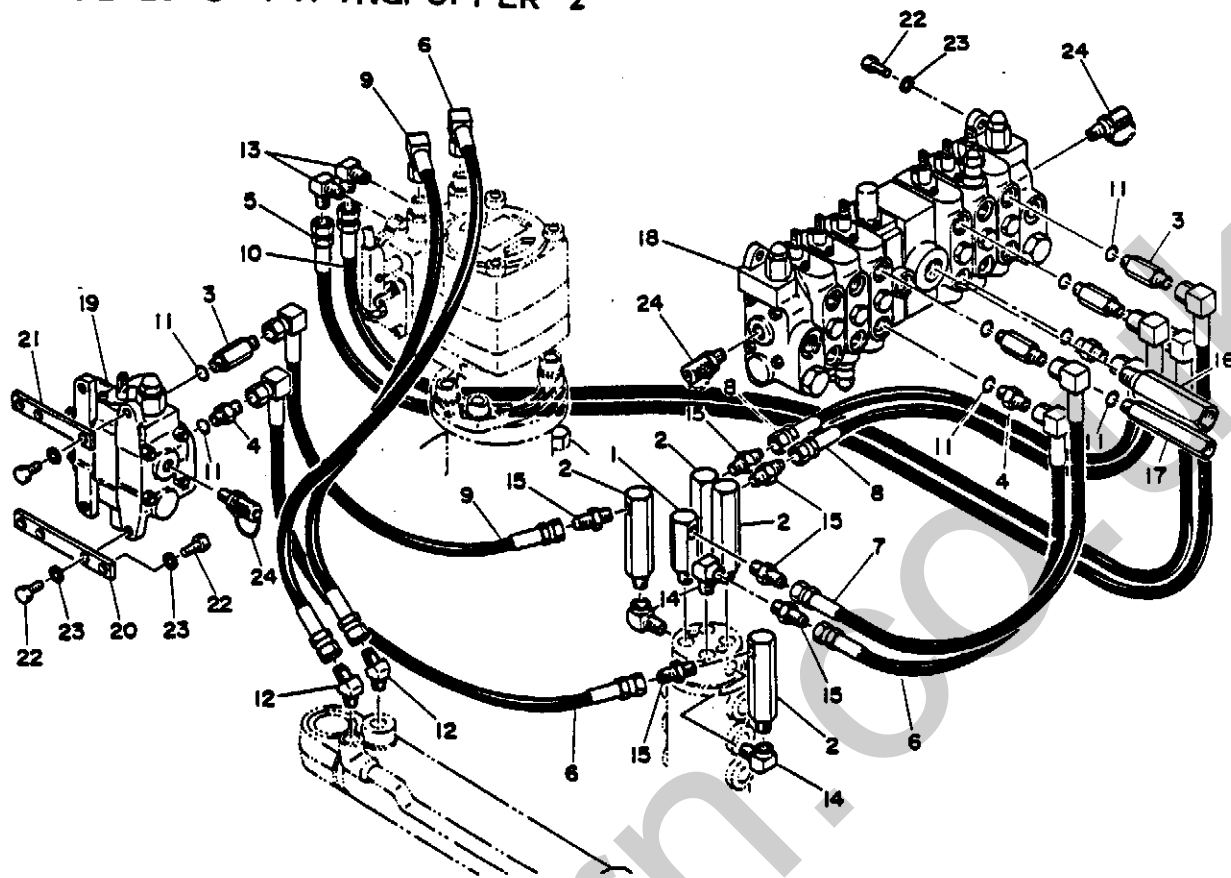
PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1 00072-00042	ADAPTOR	1	
2 00072-00052	ADAPTOR	2	
3 00072-00076	ADAPTOR	4	
4 00072-00075	ADAPTOR	4	
5 19094-00060	HOSE ASSY	1	
6 19094-00093	HOSE ASSY	1	
7 19094-00040	HOSE ASSY	2	
8 19094-00045	HOSE ASSY	2	
9 19094-00030	HOSE ASSY	2	
10 19094-00035	HOSE ASSY	1	
11 19094-00098	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 11000-40020	BOLT	4	
19 11400-20008	WASHER, Spring	4	

NOTE

01-0192, Per Request

Fig. 20-2 L/1

FIG. 20-3 PIPING, UPPER 2

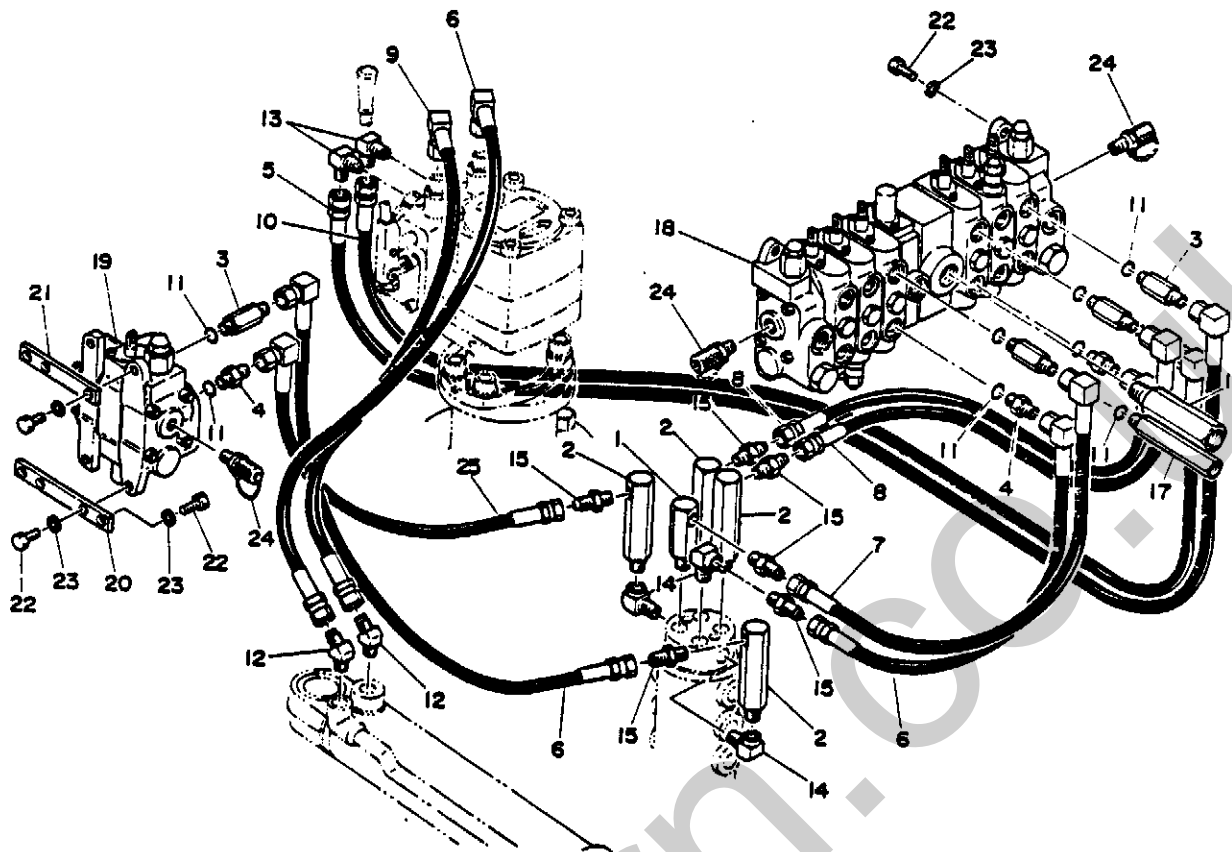


QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00072-00042	ADAPTOR	
2	00072-00054	ADAPTOR	
3	00072-00076	ADAPTOR	
4	00072-00075	ADAPTOR	
5	19094-00093	HOSE ASSY	
6	19094-00040	HOSE ASSY	
7	19094-00045	HOSE ASSY	
8	19094-00050	HOSE ASSY	
9	19094-00035	HOSE ASSY	
10	19094-00090	HOSE ASSY	
11	14203 10906	O-RING	
12	15112-00002	ELBOW, 45°	
13	15111-00002	ELBOW, 90°	
14	15013-00002	ELBOW, 90°	
15	15110-00002	ADAPTOR	
16	00570-10024	BUSHING	
17	00670-15100	ADAPTOR	
18	19010-07600	VALVE, Main Control	
19	19010-06400	VALVE, Blade Control	
20	00650-13100	PLATE	
21	00650-13200	PLATE	
22	11000-40820	BOLT	
23	11400-20008	WASHER, Spring	
24	15130-00012	PORT	

NOTE

#193-#220, with Breaker Circuit Type FIG. 20-3 L/1

FIG. 20-4 PIPING, UPPER 2

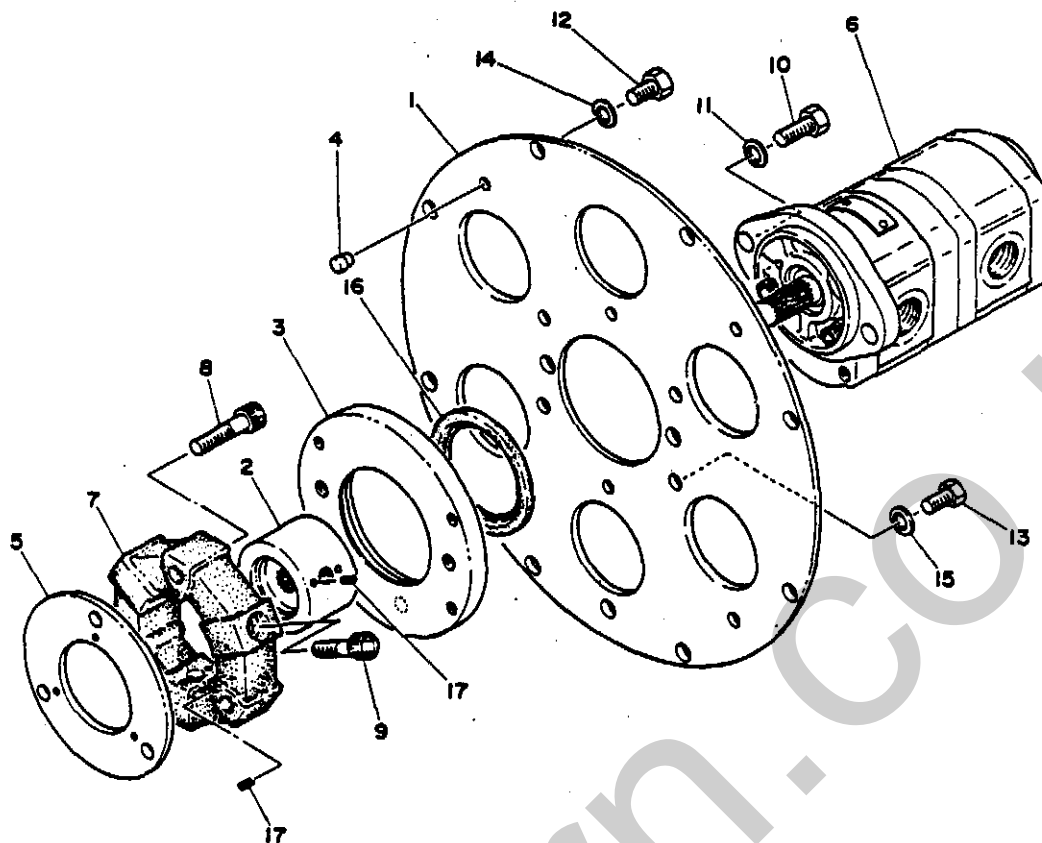


Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00072-00042	ADAPTOR	1	
2	00072-00054	ADAPTOR	4	
3	00072-00076	ADAPTOR	4	
4	00072-00075	ADAPTOR	4	
5	19094-00093	HOSE ASSY	1	
6	19094-00040	HOSE ASSY	3	
7	19094-00045	HOSE ASSY	1	
8	19094-00050	HOSE ASSY	2	
9	19094-00035	HOSE ASSY	1	
10	19094-00090	HOSE ASSY	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	11000-40220	BOLT	11	
23	11400-20008	WASHER, Spring	11	
24	15130-00012	PORT	3	
25	19094-00030	HOSE ASSY	1	

NOTE #231 - with Breaker Circuit Type

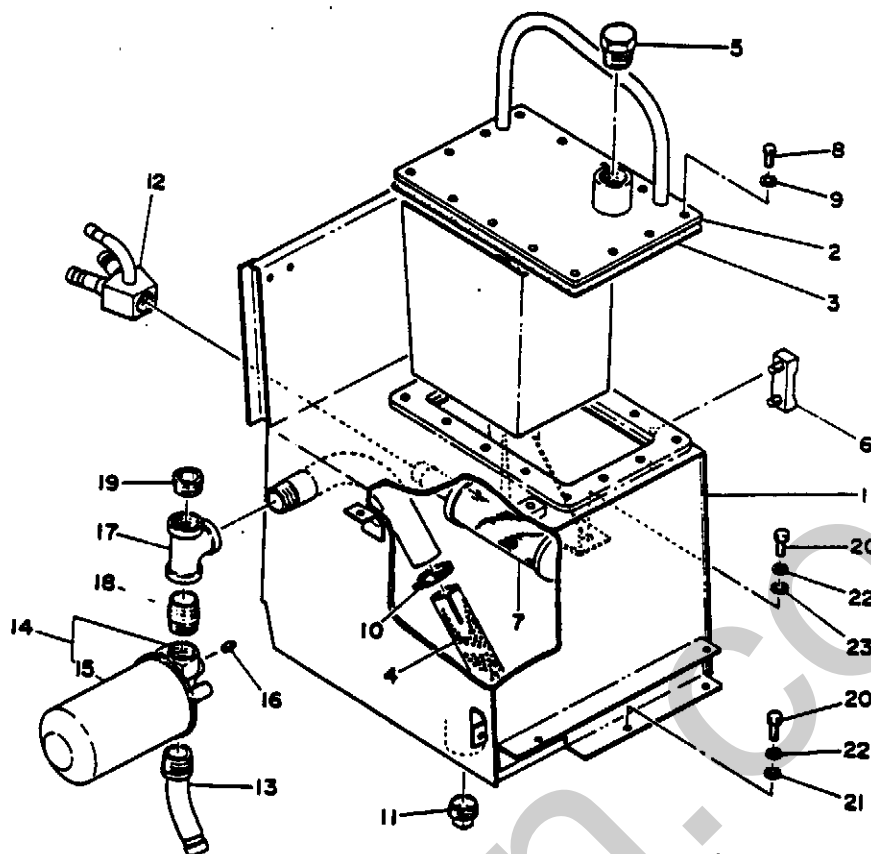
Fig. 20-4 L/1

FIG. 21 PUMPE DRIVE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00652-10100	PLATE	1	
2	00652-10200	COUPLING	1	
3	00652-10300	FLANGE	1	
4	00652-10400	PIN	8	
5	00652-10300	PLATE	1	
6	19020-03500	PUMP ASSY. Male	1	
7	16020-00000	COUPLING	1	
8	11100-51040	BOLT, Socket	3	
9	11100-51030	BOLT, Socket	3	
10	11030-41025	BOLT	2	
11	11411-10010	WASHER, Plain	2	
12	11000-51016	BOLT	8	
13	11000-50816	BOLT	4	
14	11400-10010	WASHER, Spring	8	
15	11400-10008	WASHER, Spring	4	
16	14005-03217	SEAL, Oil	1	
17	12130-00400	PIN, Spring	9	

FIG. 22-1 HYDRAULIC TANK



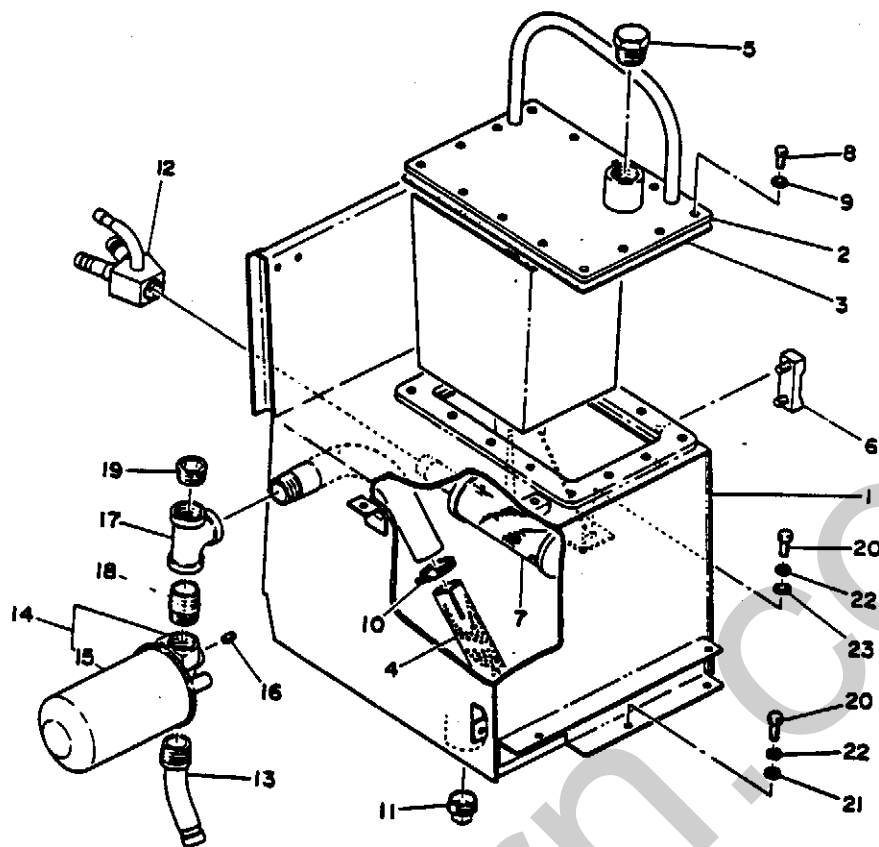
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00680-00000	TANK ASSY. Hyd.	1	
1	00680-11100	*TANK, Hyd.	1	
1	00680-11200	*COVER	1	
1	01680-05200	*PACKING	1	
1	00780-00300	*DIFFUSER	1	
1	15017-00010	*PLUG	1	
1	15330-20050	*GAUGE	1	
1	15500-00006	*FILTER	1	
14	11000-20014	*BOLT	14	
14	11411-10008	*WASHER, Plain	14	
1	15330-01030	*CLAMP	1	
1	15087-00010	*PLUG	1	
1	00680-10300	PIPE	1	
1	00680-10400	PIPE	1	#1-#132
1	15510-45110	FILTER ASSY	1	
1	15510-35110	*CARTRIDGE	1	
1	15087-00001	PLUG	1	
1	15082-00010	TEE	1	
1	15130-00010	NIPPLE	1	
1	15018-00010	PLUG	1	
6	11000-41020	BOLT	6	
4	11411-10010	WASHER, Plain	4	
6	11400-20010	WASHER, Spring	6	
2	00026-00006	WASHER	2	

NOTE

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

FIG. 22-1 1/1

FIG. 22-2 HYDRAULIC TANK

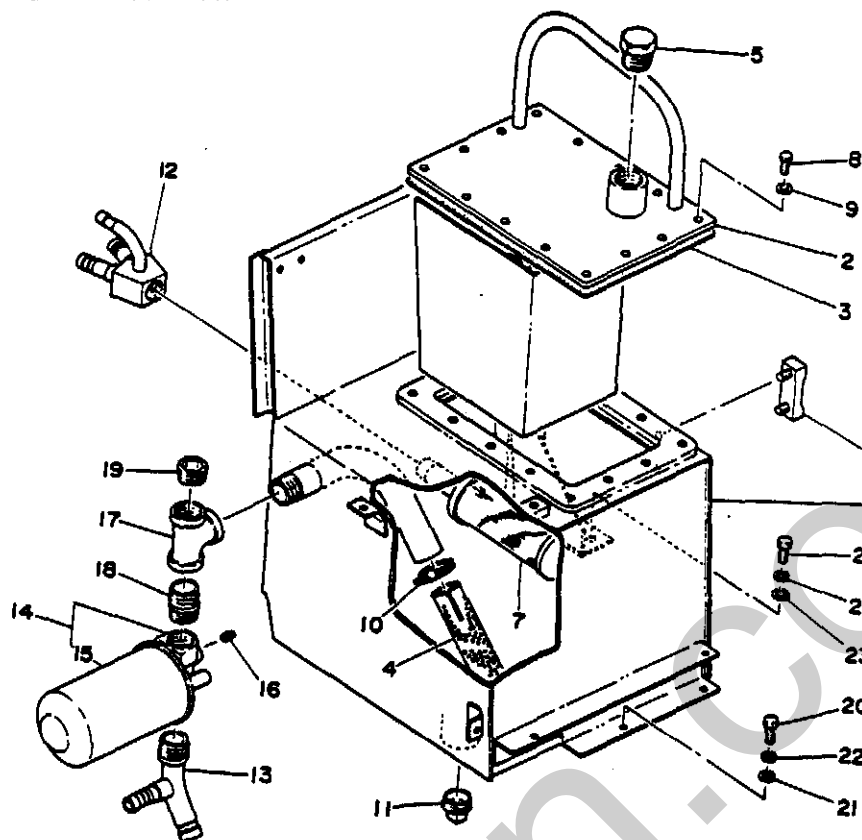


QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00680-00010	TANK ASSY. Hyd.	
1	00680-11300	*TANK, Hyd.	
1	00680-11200	*COVER	
1	01680-05200	*PACKING	
1	00780-00300	*DIFFUSER	
1	15017-00010	*PLUG	
1	15530-20650	*GAUGE	
1	15500-00000	*FILTER	
14	11000-20014	*BOLT	
14	11411-10008	*WASHER, Plain	
1	15330-01030	*CLAMP	
1	15087-00010	*PLUG	
1	00680-10300	PIPE	
1	00680-10400	PIPE	
1	15510-43110	FILTER ASSY	
1	15510-35110	*CARTRIDGE	
1	15087-00001	PLUG	
1	15082-00010	TEE	
1	15130-00010	NIPPLE	
1	15018-00010	PLUG	
6	11000-41020	BOLT	
4	11411-10010	WASHER, Plain	
6	11400-20010	WASHER, Spring	
2	00036-00000	WASHER	

NOTE

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

FIG. 22-3 HYDRAULIC TANK



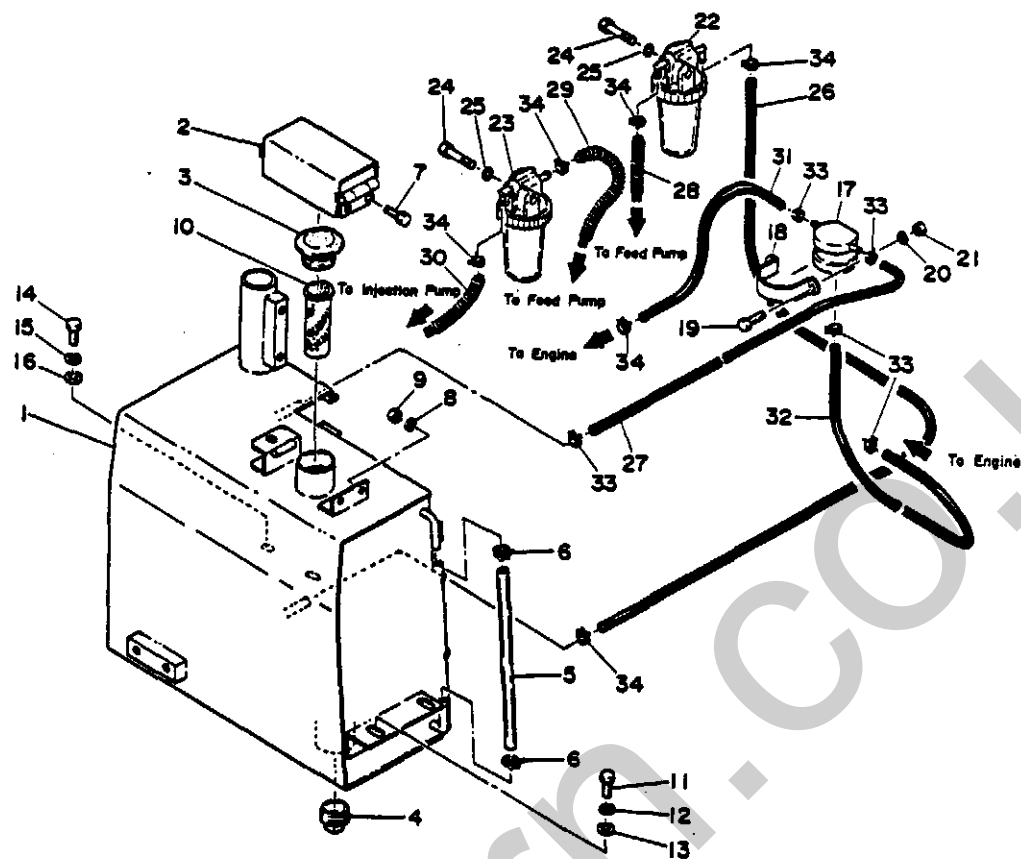
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
0-1	00600-00010	TANK ASSY. Hyd.	1	
1	00600-11300	*TANK Hyd.	1	
2	00600-11200	*COVER	1	
3	01600-05200	*PACKING	1	
4	00700-00300	*DIFFUSER	1	
5	15017-00010	*PLUG	1	
6	15530-20650	*GAUGE	1	
7	15500-00006	*FILTER	1	
8	11000-20814	*BOLT	14	
9	11411 10008	*WASHER, Plain	14	
10	15330-01038	*CLAMP	1	
11	15007-00010	*PLUG	1	
12	00600 10300	PIPE	1	
13	00600 13100	PIPE	1	
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	6	
21	11411-10010	WASHER, Plain	6	
22	11400-20010	WASHER, Spring	4	
23	00036-00006	WASHER	2	

NOTE

8193-1, 1/16" Breaker Circuit Type

Fig. 22-3 1/1

FIG. 23-1 FUEL TANK



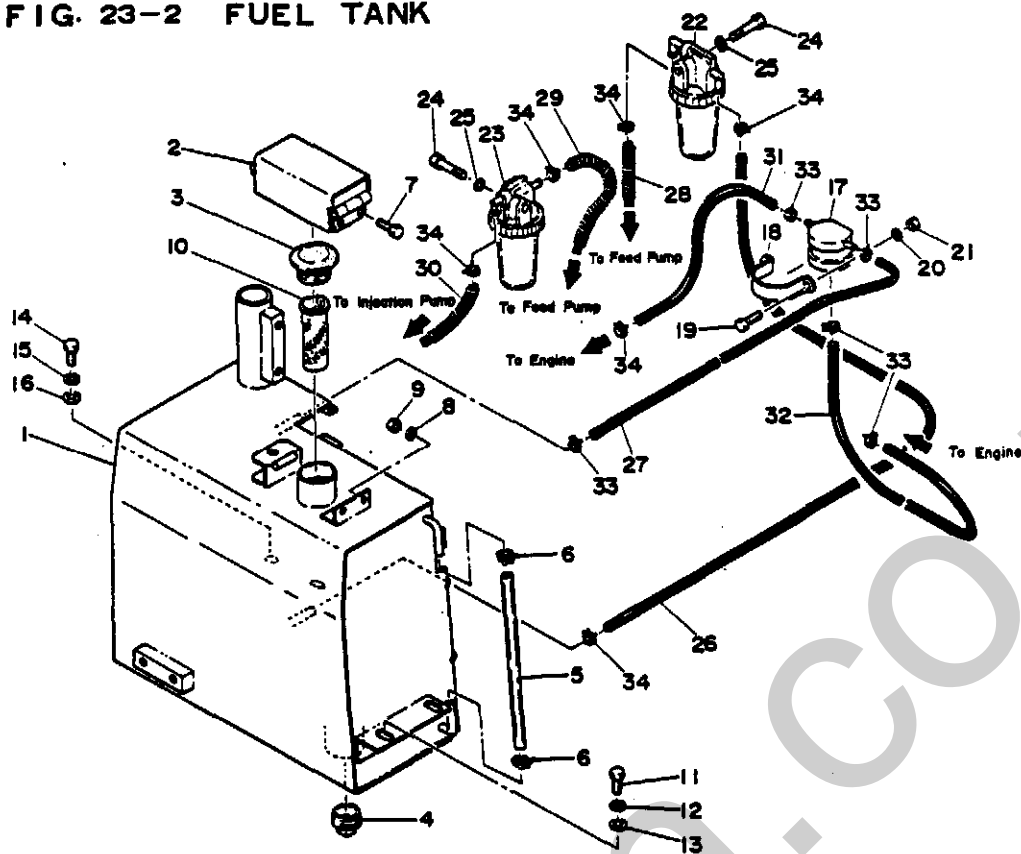
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00881-90800	TANK ASSY. Fuel	1		1	11000-40865	BOLT	1	#1 ~ #126
1	00881-11100	*TANK. Fuel	1		25	11400-10008	WASHER. Spring	2	#127 ~
2	00881-11200	*CAP	1			11400-10008	WASHER. Spring	1	#1 ~ #126
3	15541-00140	*COVER	1		26	*****	HOSE	1	#127 ~
4	15887-00010	*PLUG	1			*****	HOSE	1	#1 ~ #126
5	15310-15095	*HOSE	1		27	*****	HOSE	1	
6	15330-01015	*CLAMP	2		28	*****	HOSE	1	#127 ~
7	11000-30816	*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	11000-30816	BOLT	2		33	*****	CLAMP	6	
12	11400-20008	WASHER. Spring	2		34	*****	CLAMP	6	#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	1121750-77800					
18	*****	CLAMP	1	1124483-77800					
19	11000-30816	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. * / O Breaker Circuit Type Fig.23-1 L/2

NOTE

#1~#192. * / O Breaker Circuit Type Fig.23-1 L/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	15087-00010	*PLUG	1		28	*****	HOSE	1	#231 ~
5	15210-15095	*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. Plate	2						
14	11000-51020	BOLT	4						
15	11400-20010	WASHER. Spring	4						
16	00036-00003	WASHER	4						
17	*****	TANK Header	1	Y121750-77000					
18	*****	CLAMP	1	Y124400-77000					
19	11000-30616	BOLT	2						
20	11400-20006	WASHER. Spring	2						
21	11300-30006	NUT	2						
22	*****	SEPARATOR	1	Y120535-50700					
23	*****	STRAINER	1						
24	11000-40865	BOLT	2						

NOTE #193~ with Breaker Circuit Type

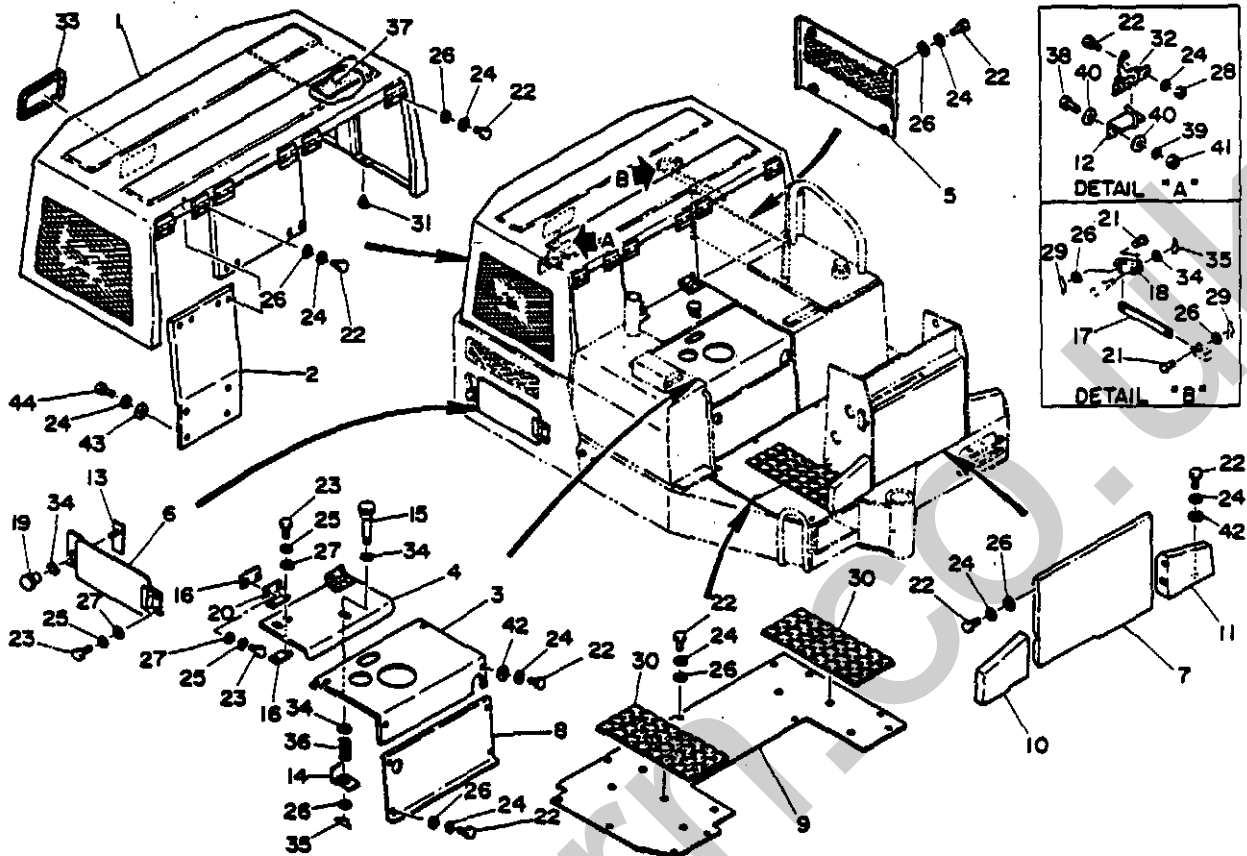
Fig. 23-2 1/2

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	1	26	11411-10008	WASHER, Plain	31
2	00682-10400	COVER (C), Engine	1	27	11411-10008	WASHER, Plain	10
3	00682-10600	PANEL, Center	1	28	11300-40008	NUT	2
4	00682-10700	COVER, Center	1	29	12140-00008	PIN, Snap	2
5	00682-10800	PLATE, Rear Side	1	30	16539-00002	CUSHION	2
6	00682-10900	COVER	1	31	16525-03400	CUSHION, Rubber	4 Bill
7	00682-11000	COVER, Valve Stand	1	32	16536-10304	LOCK ASSY	1
8	00682-11100	PLATE, Center	1	33	16546-00100	TRIM	1
9	00682-11200	STAGE	1	34	11411-10010	WASHER, Spring	4
10	00682-11300	PLATE (H. H.), Feet	1	35	12140-00008	PIN, Snap	2
11	00682-11400	PLATE (L. H.), Feet	1	36	00070-00023	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	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	00582-21700	KNOB	1	44	11000-40835	BOLT	4
20	00682-12500	HINGE	2				
21	00040-08021	PIN	2				
22	11000-40816	BOLT	38				
23	11000-40616	BOLT	10				
24	11400-20008	WASHER, Spring	42				
25	11400-20006	WASHER, Spring	10				

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

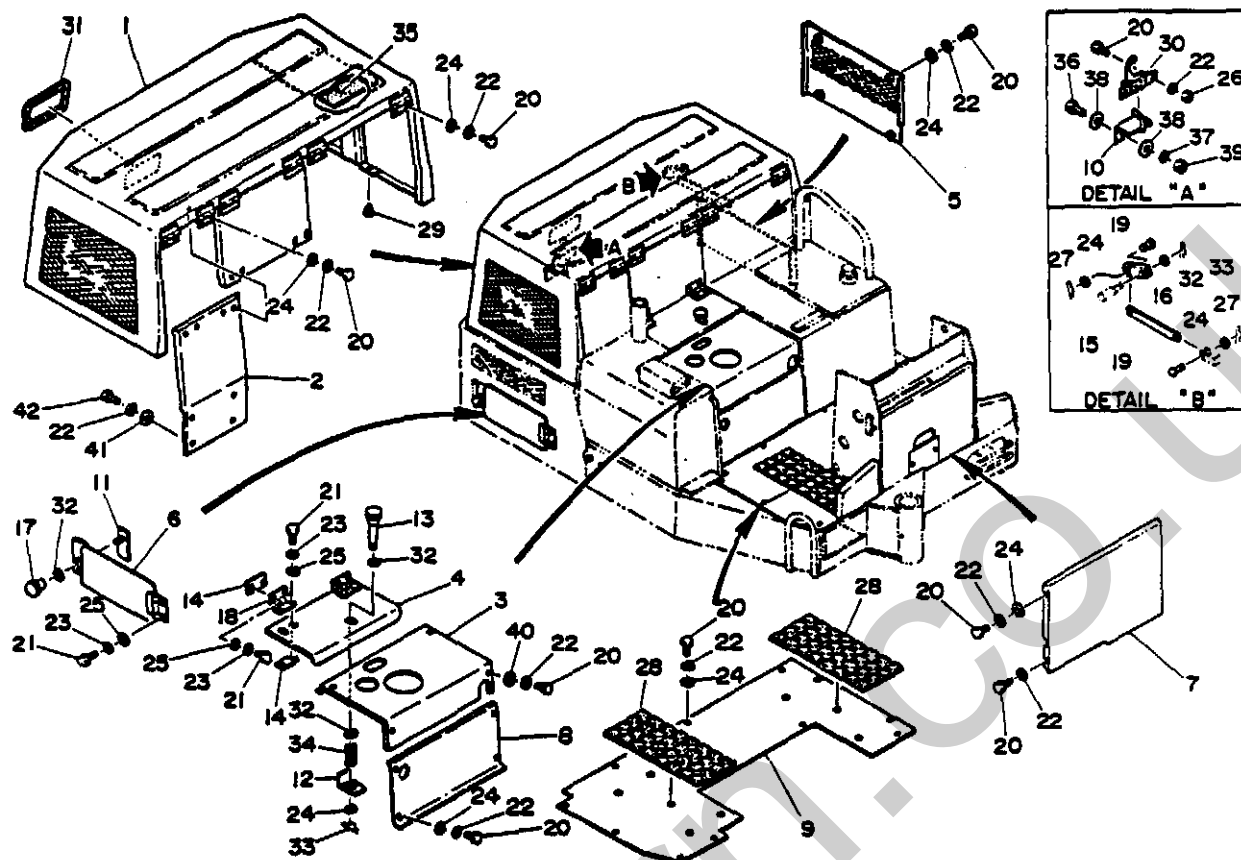
Fig. 24-1 1/2

NOTE

#1-#192, u/o Breaker Circuit Type

Fig. 24-1 2/2

FIG. 24-2 COVERS



Qty	PARTS NUMBER	DESCRIPTION	REMARKS	Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00682-10100	COVER, Engine	1	26	11300-40008	NUT	2
1	00682-10400	COVER (C), Engine	1	27	12140-00008	PIN, Snap	2
1	00682-10600	PANEL, Center	1	28	16538-00002	CUSHION	2
1	00682-10700	COVER, Center	1	29	16525-03400	CUSHION, Rubber	4 #11~
1	00682-10800	PLATE, Rear Side	1	30	16536- ~~10000~~ 11308	LOCK ASSY	1
1	00682-10900	COVER	1	31	16546-00100	TRIM	1
1	00682-11000	COVER, Valve Stand	1	32	11411-10010	WASHER, Plain	4
1	00682-11100	PLATE, Center	1	33	12140-00008	PIN, Snap	2
1	00682-11200	STAGE	1	34	00070-00023	SPRING	1
1	00682-11600	HOOK	1	35	00682-13000	PLATE, Rubber	1
1	00682-12600	PLATE	1	36	11000-41030	BOLT	2
1	00682-11800	PLATE	1	37	11400-20010	WASHER, Spring	2
1	00682-11900	KNOB	1	38	00036-00006	WASHER	4
4	01482-53900	PLATE	4	39	11300-40010	NUT	2
1	00682-12100	ROD	1	40	00036-08252	WASHER	4
1	00682-12200	YOKE	1	41	00036-08003	WASHER	4
1	00982-21700	KNOB	1	42	11000-40835	BOLT	4
2	00682-12500	HINGE	2				
2	00040-08021	PIN	2				
35	11000-40816	BOLT	35				
10	11000-40616	BOLT	10				
37	11400-20008	WASHER, Spring	37				
10	11400-20006	WASHER, Spring	10				
28	11411-10008	WASHER, Plain	28				
10	11411-10006	WASHER, Plain	10				

NOTE For England #1-#192

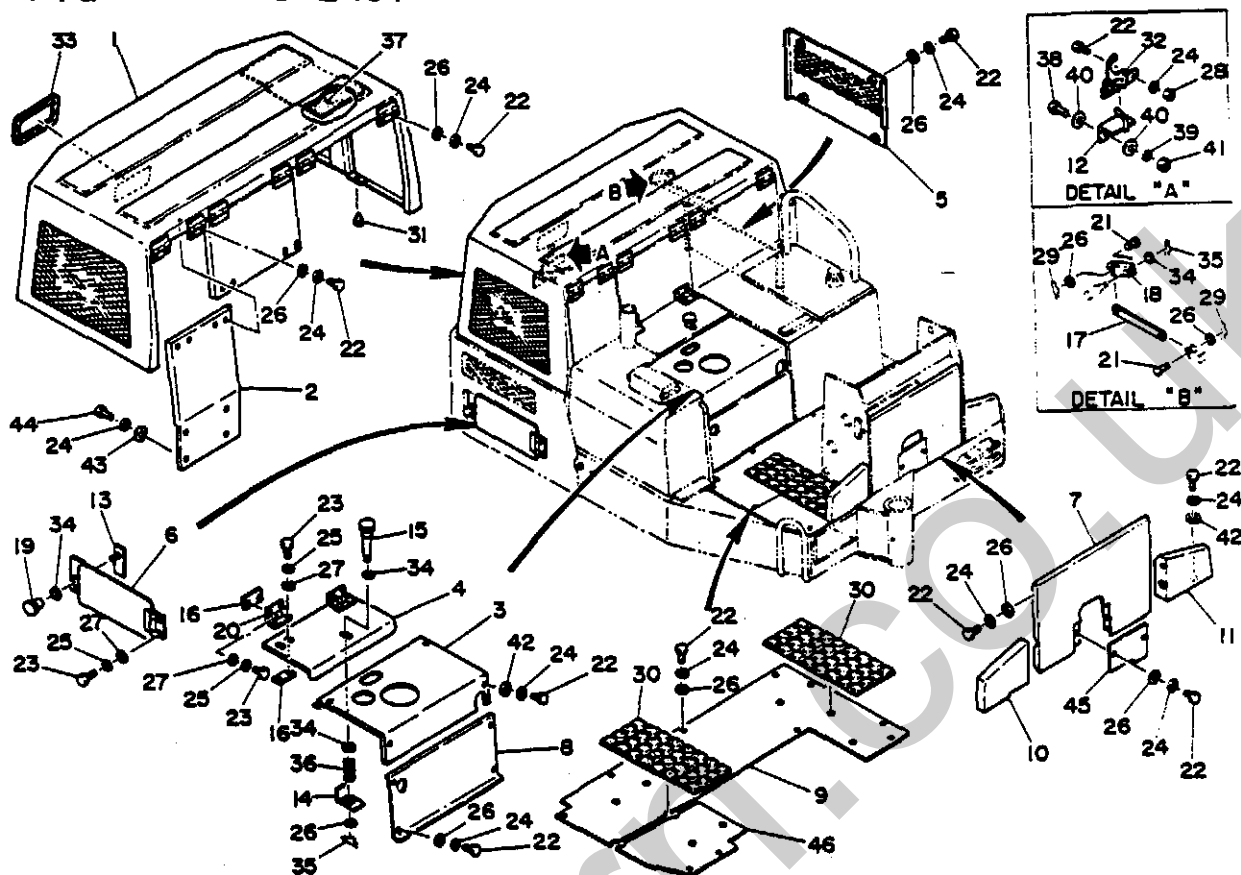
Fig. 24-2 1/2

NOTE

For England #1-#192

Fig. 24-2 2/2

FIG. 24-3 COVERS.



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00682-10100	COVER, Engine	1		38	11411-10008	WASHER, Plain	38	
2	00682-10400	COVER (C), Engine	1		39	11411-10006	WASHER, Plain	10	
3	00682-15100	PANEL, Center	1		40	11300-40008	NUT	2	
4	00682-10700	COVER, Center	1		41	12140-00008	PIN, Snap	2	
5	00682-10800	PLATE, Rear Side	1		42	16539-00002	CUSHION	2	
6	00682-10900	COVER	1		43	16525-05400	CUSHION, Rubber	4	Nil
7	00682-15200	COVER, Valve Stand	1		44	16536-10304	LOCK ASSY	1	
8	00682-15300	PLATE, Center	1		45	16346-00100	THIM	1	
9	00682-15500	STAGE (A)	1		46	11411-10010	WASHER, Plain	4	
10	00682-11300	PLATE (L.H.), Feet	1		47	12140-00008	PIN, Snap	2	
11	00682 11400	PLATE (L.H.), Feet	1		48	00070-00023	SPRING	1	
12	00682-11600	HOOK	1		49	00682-13000	PLATE, Rubber	1	
13	00682 12600	PLATE	1		50	11000-41030	BOLT	2	
14	00682-11800	PLATE	1		51	11400-20010	WASHER, Spring	2	
15	00682 11900	KNOB	1		52	00036-00006	WASHER	4	
16	01482-53900	PLATE	4		53	11300-40100	NUT	2	
17	00682-12100	ROD	1		54	00036-08252	WASHER	6	
18	00682 12200	YOKS	1		55	00036-00003	WASHER	4	
19	00982-21700	KNOB	1		56	11000-40835	BOLT	4	
20	00682-12500	HINGE	2		57	00682-15400	COVER	1	
21	00040-08021	PIN	2		58	00682 15600	STAGE (B)	1	
22	11000-40816	BOLT	4						
23	11000-40816	BOLT	10						
24	11400-20008	WASHER, Spring	4						
25	11400-20006	WASHER, Spring	10						

NOTE #193- with Breaker Circuit Type

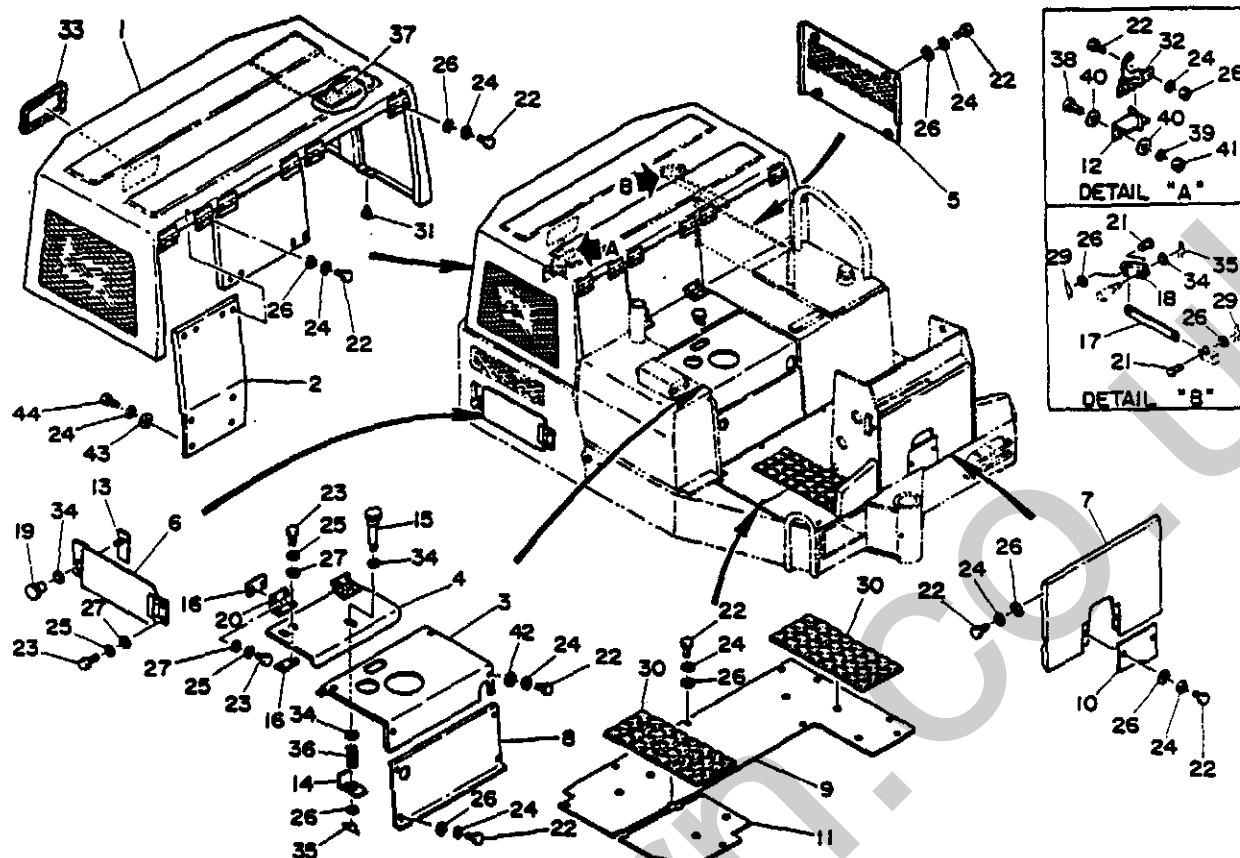
Fig. 24-3 1/2

NOTE

#193- with Breaker Circuit Type

Fig. 24-3 2/2

FIG. 24-4 COVERS



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00682-10100	COVER, Engine	1		28	11411-10008	WASHER, Plain	31	
2	00682-10480	COVER (C), Engine	1		29	11411-10006	WASHER, Plain	10	
3	00682-15100	PANEL, Center	1		30	11300-40008	NUT	2	
4	00682-10700	COVER, Center	1		31	12140-00008	PIN, Snap	2	
5	00682-10800	PLATE, Rear Side	1		32	16539-00002	CUSHION	2	
6	00682-10900	COVER	1		33	16525-05400	CUSHION, Rubber	4	
7	00682-15200	COVER, Valve Stand	1		34	16536-10304	LOCK ASSY	1	
8	00682-15300	PLATE, Center	1		35	16546-00100	TRIM	1	
9	00682-15500	STAGE (A)	1		36	11411-10010	WASHER, Plain	4	
10	00682-15400	COVER	1		37	12140-00008	PIN, Snap	2	
11	00682-15600	STAGE (B)	1		38	00070 00023	SPRING	1	
12	00682-11600	HOOK	1		39	00682-13000	PLATE, Rubber	1	
13	00682-12600	PLATE	1		40	11000-41030	BOLT	2	
14	00682-11800	PLATE	1		41	11400-20010	WASHER, Spring	2	
15	00682-11900	KNOB	1		42	00036-00006	WASHER	4	
16	01482-53900	PLATE	4		43	11300-40100	NUT	2	
17	00682-12100	MOD	1		44	00036-08252	WASHER	4	
18	00682-12200	YOKE	1		45	00036-08003	WASHER	4	
19	00982-21700	KNOB	1		46	11000-40835	BOLT	4	
20	00682-12500	HINGE	2						
21	00040-08021	PIN	2						
22	11000-40816	BOLT	36						
23	11000-40816	BOLT	10						
24	11400-20008	WASHER, Spring	30						
25	11400-20006	WASHER, Spring	10						

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

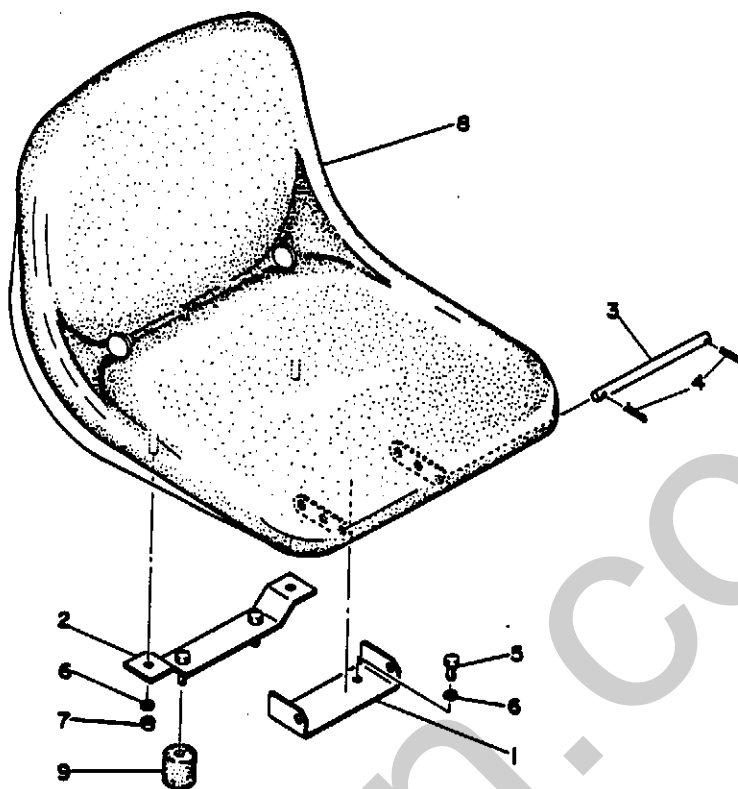
Fig.24-4 1/2

NOTE

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

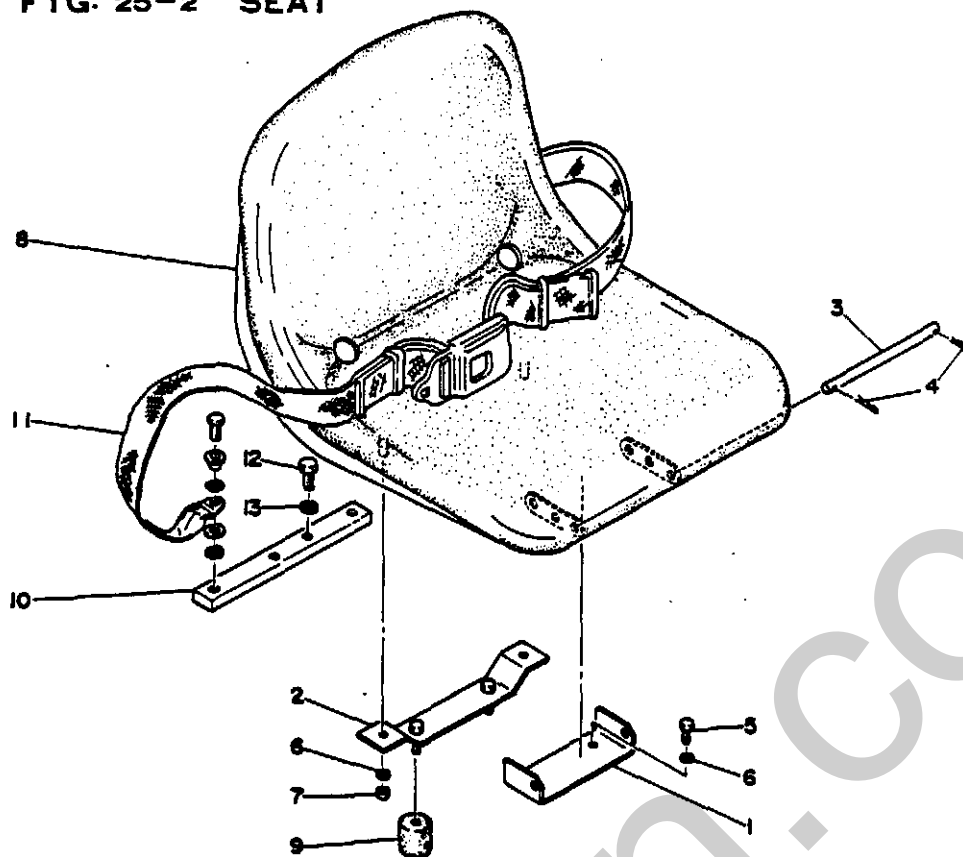
Fig.24-4 2/2

FIG. 25-1 SEAT



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

FIG. 25-2 SEAT



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00634-10100	BRACKET	1	
2	00634-10200	PLATE	1	
3	00634-20200	PIN	1	
4	12140-00000	PIN Snap	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	
10	00634 11100	PLATE	1	
11	19141 00003	BELT ASSY, Seat	1	
12	11000-40025	BOLT	2	
13	11400-20000	WASHER, Spring	2	

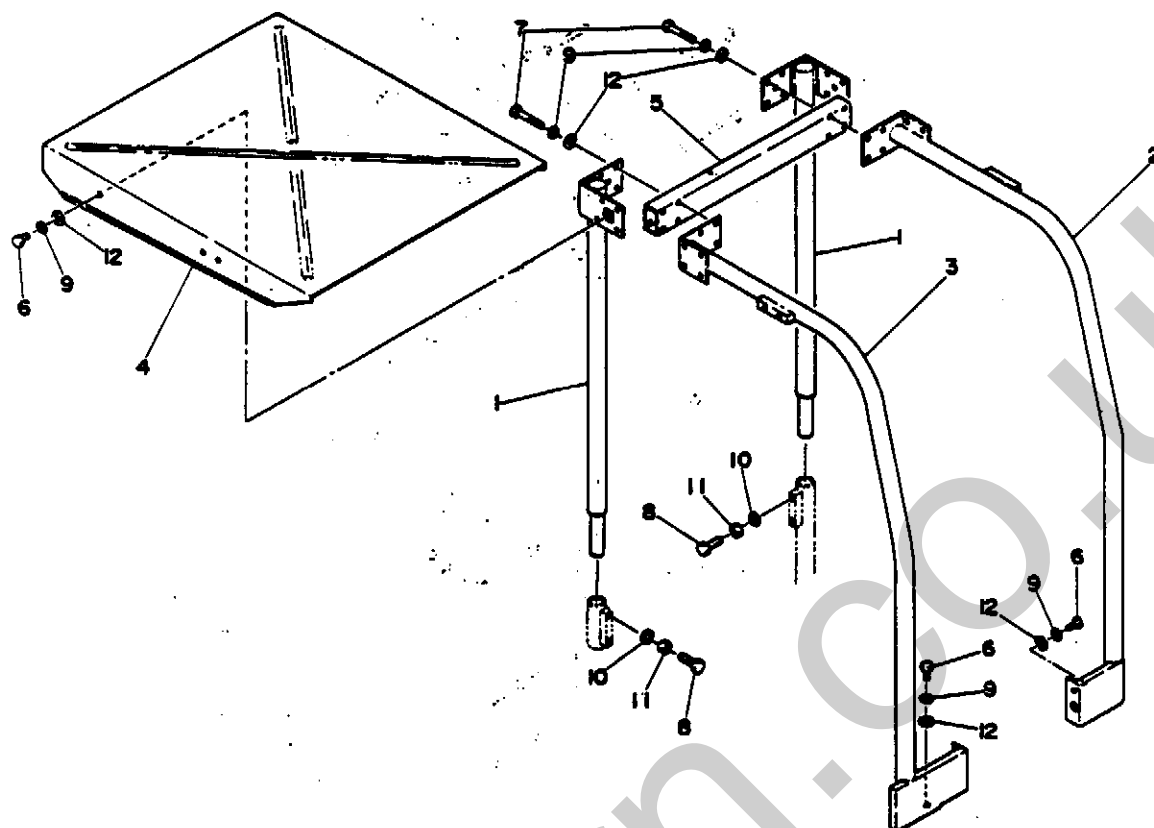
NOTE

For U.S.A. 8337~

Fig. 25-2 1/1

FIG. 26-1 CANOPY

FOR S/N's 65001-259



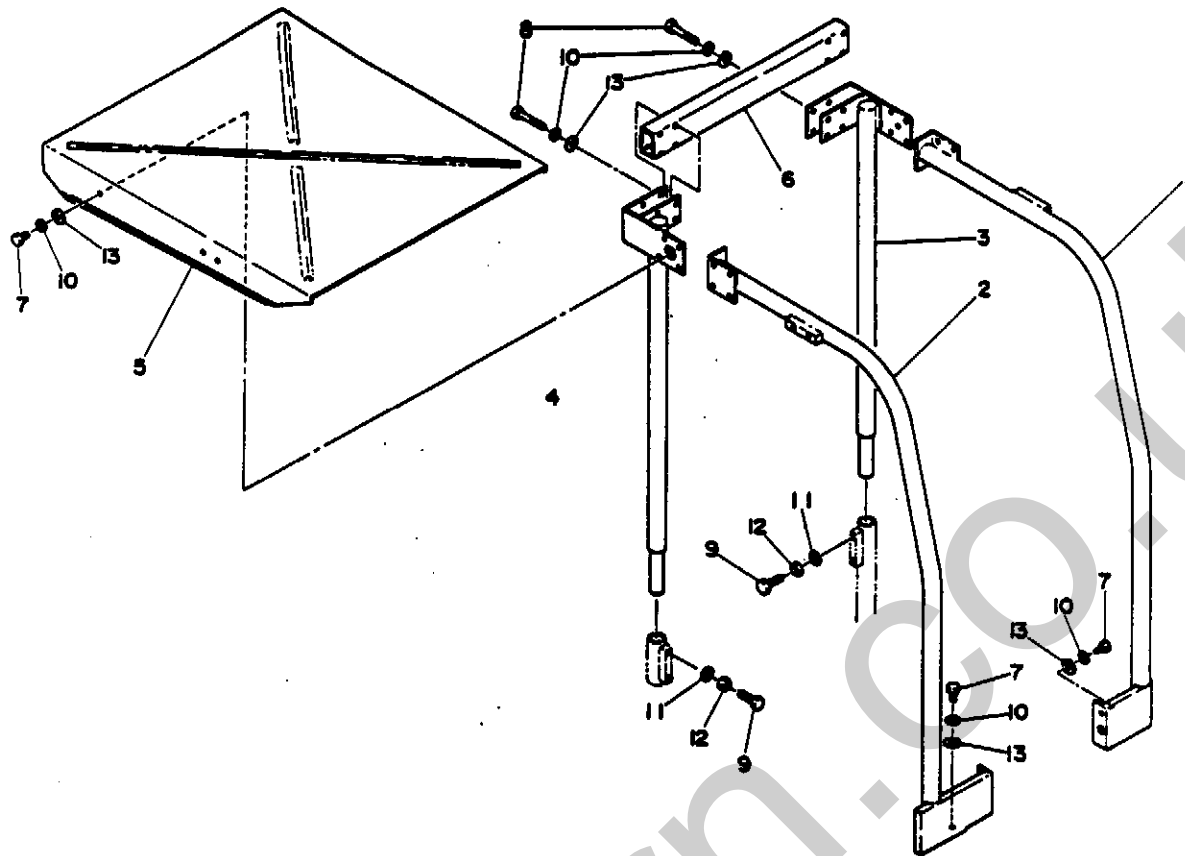
Qty	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
2	00684-13100	POLE	2	
1	00684-13200	POLE (F. L.)	1	
1	00684-13300	POLE (F. R.)	1	
1	00684-13400	CANOPY	1	
1	00684-13500	PIPE Square	1	
19	11000-40816	BOLT	19	
8	11000-40865	BOLT	8	
4	11002-41040	BOLT	4	
27	11400-10008	WASHER, Spring	27	
4	11400-10010	WASHER, Spring	4	
4	11300-40010	NUT	4	
27	11411-10008	WASHER, Plain	27	

NOTE

For England & U.S.A. 01-0259 (Groups 0145, 0174, 0180) FIG. 26-1 L/1

FIG. 26-2 CANOPY

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



Item	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	00004-15100	POLE (P. L.)	1	} 600.60
2	00004-15200	POLE (P. R.)	1	
3	00004-15300	POLE (Q. L.)	1	
4	00004-15400	POLE (Q. R.)	1	
5	00004-15500	CANOPY	1	
6	00004-13500	PIPE Square	1	
7	11000-40010	BOLT	10	4.37
8	11000-40005	BOLT	8	3.28
9	11002-41040	BOLT	4	2.04
10	11400-10000	WASHER Spring	20	1.87 15.78
11	11400-10010	WASHER Spring	4	0.32
12	11300-40010	NUT	4	1.32
13	11411-10000	WASHER Plain	20	2.16

CANOPY ASST
List 616.38 → 616.00

NOTE

For Detail & S.S.A. 0145, 0174, 0190, 0260 -

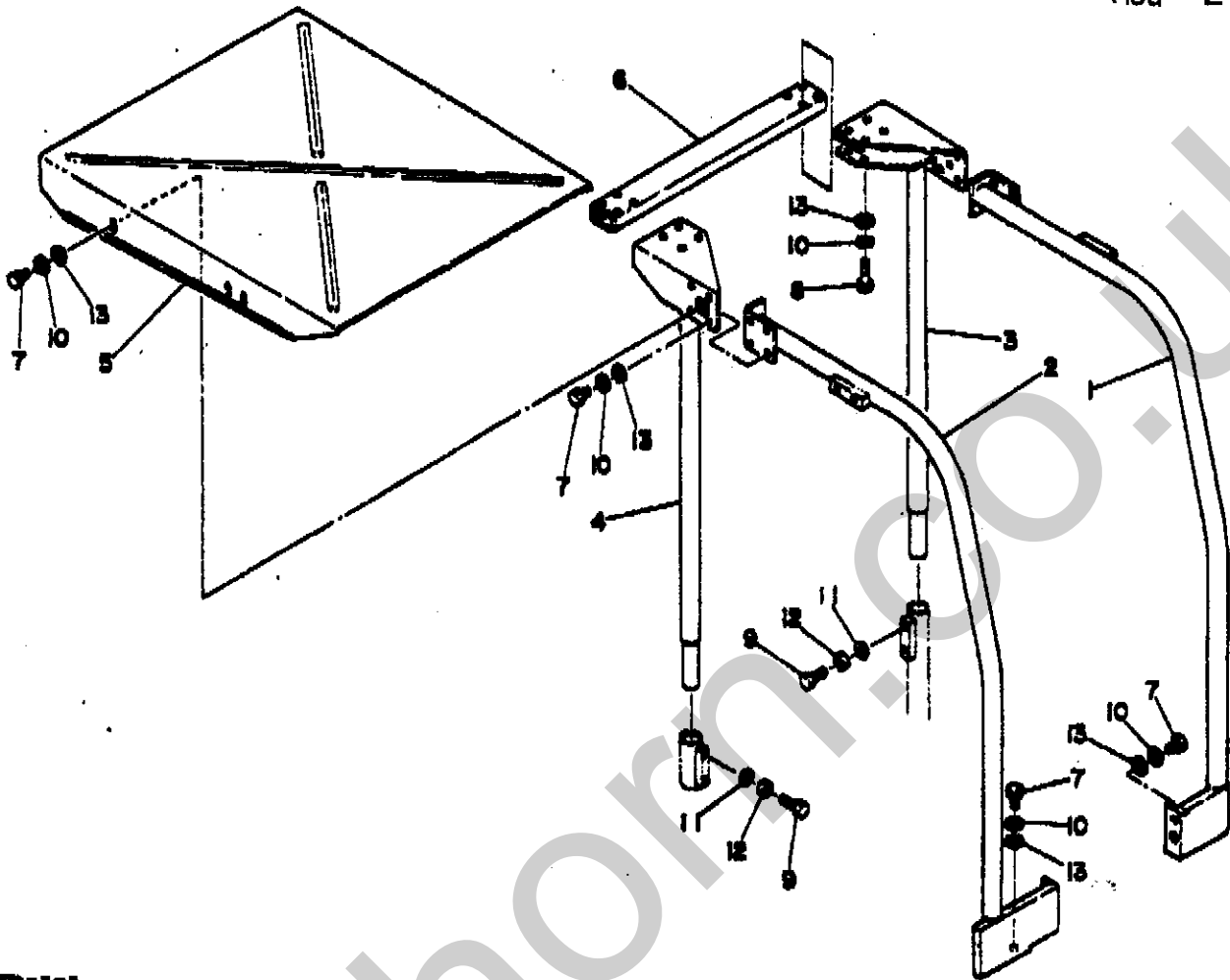
FIG. 26-2 1/1

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TAKEUCHIMFG CO. FAX02688-2-4149

P. 3

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80-073-2-5

Qty	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00684-15100	POLE (P. L.)	1	00684-15100
2	00684-15200	POLE (P. R.)	1	00684-15200
3	00684-16100	POLE (L. L.)	1	-16100
4	00684-16200	POLE (L. R.)	1	-16200
5	00684-18300	CANOPY	1	-18300
6	00684-18500	PIPE Square	1	
7	11000-40815	BOLT	10	
8	11000-40855	BOLT	8	
9	11002-41040	BOLT	4	
10	11400-10008	WASHER, Spring	27	
11	11400-10010	WASHER, Spring	4	
12	11800-60010	NUT	4	
13	11411-10008	WASHER, Plain	27	

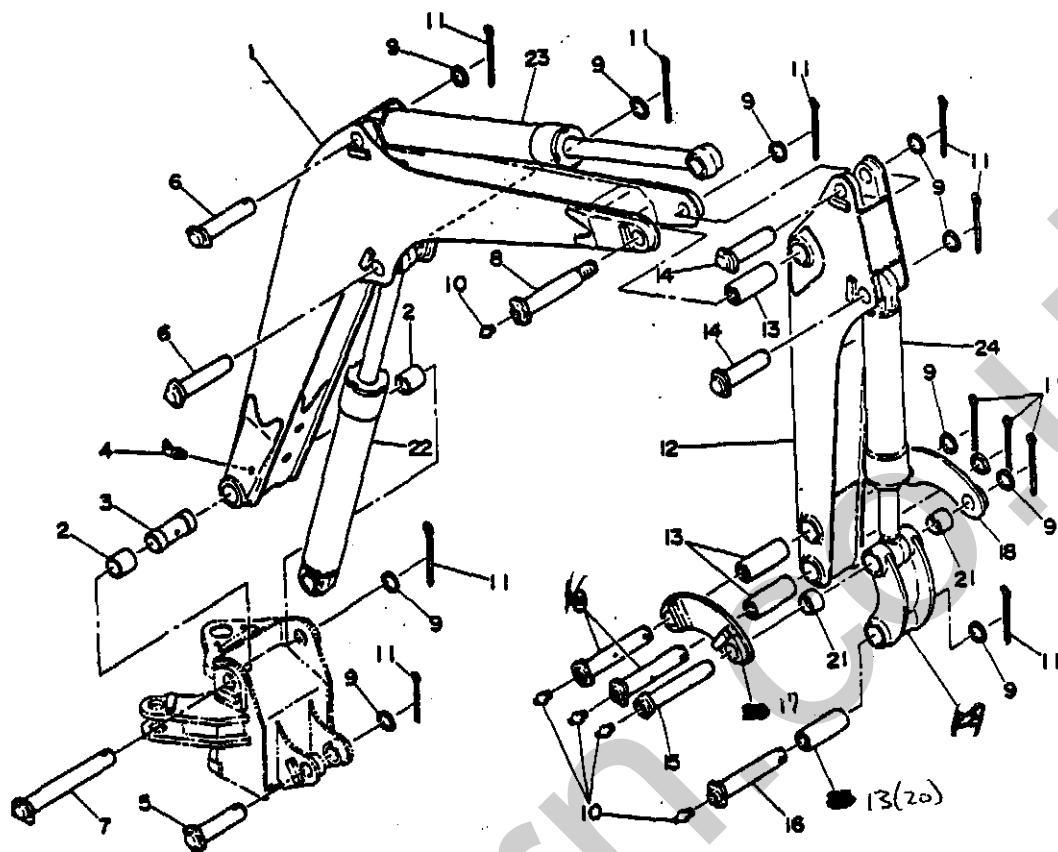
TB10S #651533 UP

651292- ditch witch
takes this one



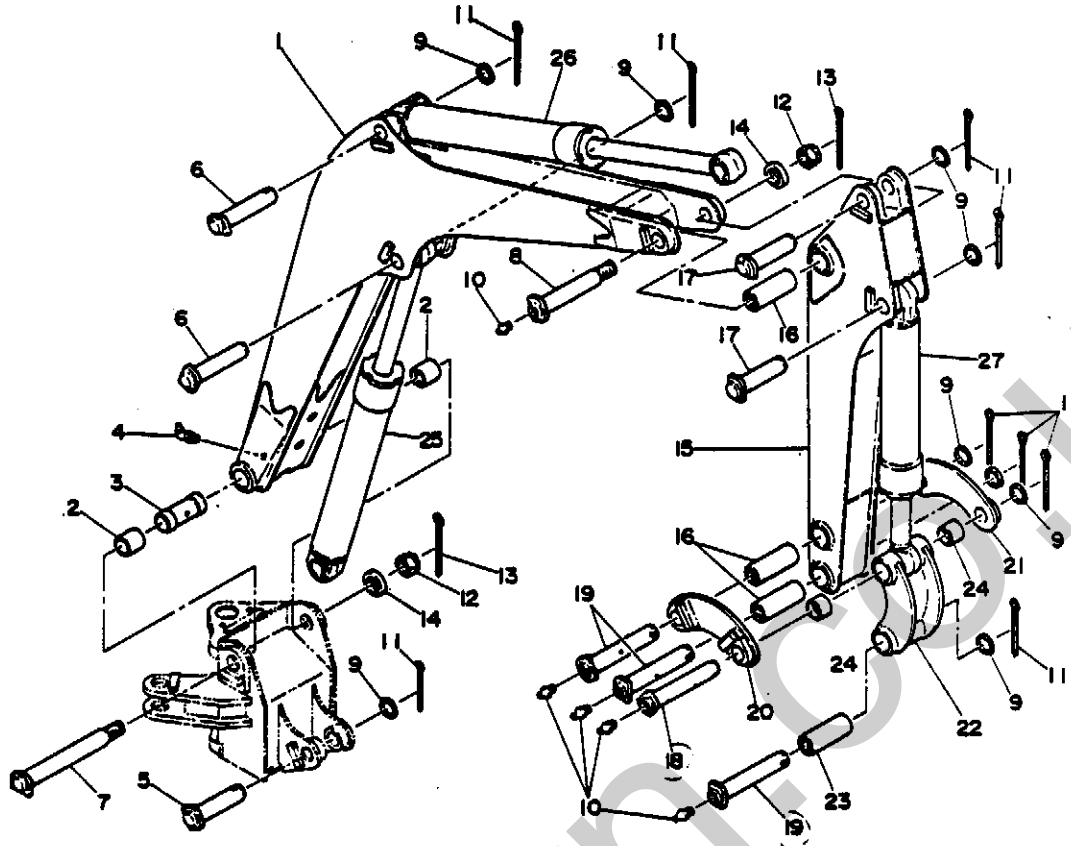
Silverhorn.co.uk

FIG. 27-1 HOE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00760-90000	BOOM ASSY	1		03	00761-90100	LINK ASSY. Arm	1	
1	00760-00100	*BOOM	1		10	00761-00900	*LINK. Arm	1	
2	00023-30040	*BUSHING	2		20	00023-30104	*BUSHING	1	
3	00035-00013	*COLLAR	1		21	00021-00010	*BUSHING	2	
4	15600-01900	*NIPPLE. Grease	1		22	19000-09800	CYLINDER. Boom	1	
5	00010-30121	PIN	1		23	19000-09900	CYLINDER. Arm	1	
6	00010-30137	PIN	2		24	19000-10000	CYLINDER. Bucket	1	
7	00010-30239	PIN	1						
8	00013-30170	PIN	1						
9	00030-30000	COLLAR	1						
	00030-30001	COLLAR	1						
	00030-30002	COLLAR	1						
	00030-30003	COLLAR	1						
	00030-30004	COLLAR	1						
	00030-30005	COLLAR	1						
10	15600-01000	NIPPLE. Grease	3						
11	12100-00845	PIN. Split	11						
02	00761-90000	ARM ASSY	1						
12	00761-00100	*ARM	1						
13	00023-30104	*BUSHING	3						
14	00010-30112	PIN	2						
15	00019-00036	PIN	1						
16	00013-30170	PIN	3						
17	00761-00700	PLATE (R. H)	1						
18	00761-00800	PLATE (L. H)	1						
NOTE #1~#45					NOTE #1~#45				

FIG. 27-2 HOE



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
0-1	00760-90010	BOOM ASSY	1
1	00760-00200	*BOOM	1
2	00023-30040	*BUSHING	2
3	00035-00013	*COLLAR	1
4	15000-01900	*NIPPLE, Grease	1
5	00010-30121	PIN	1
6	00010-30137	PIN	2
7	00019-00049	PIN	1
8	00019-00048	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	5
11	12100-00045	PIN, Split	3
12	11325-20024	NUT	2
13	12100-00545	PIN, Split	2
14	00039-00012	WASHER	2
02	00761-90000	ARM ASSY	1
15	00761-00100	*ARM	1
16	00023-30104	*BUSHING	3
17	00010-30112	PIN	2
18	00019-00020	PIN	1

NOTE #46~

FIG. 27-2 1/2

QTY	PARTS NUMBER	DESCRIPTION	REMARKS
19	00013-30170	PIN	3
20	00761-00700	PLATE (R. H)	1
21	00761-00600	PLATE (L. H)	1
03	00761-90100	LINK ASSY, Arm	1
22	00761-00900	*LINK, Arm	1
23	00023-30104	*BUSHING	1
24	00021-00010	*BUSHING	2
25	19000-09000	CYLINDER, Boom	1
26	19000-09900	CYLINDER, Arm	1
27	19000-10000	CYLINDER, Bucket	1

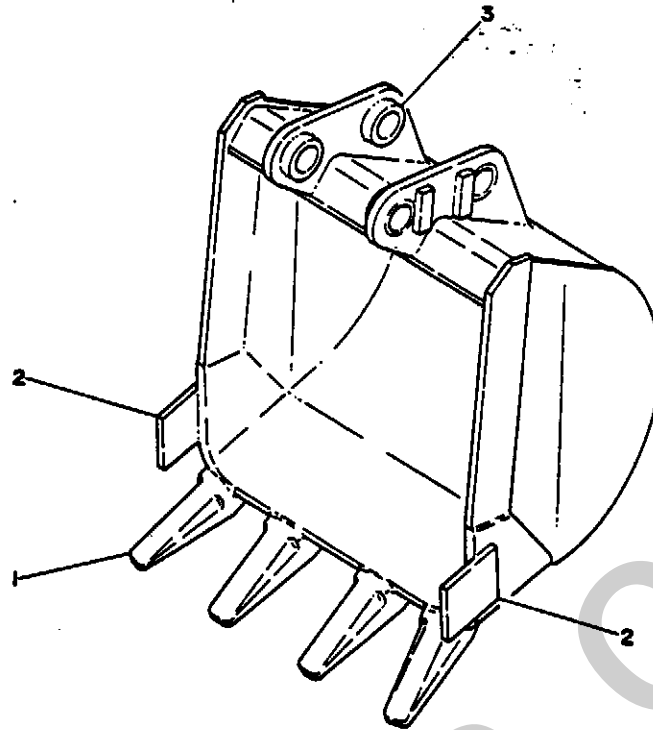
NOTE

#46~

FIG. 27-2 2

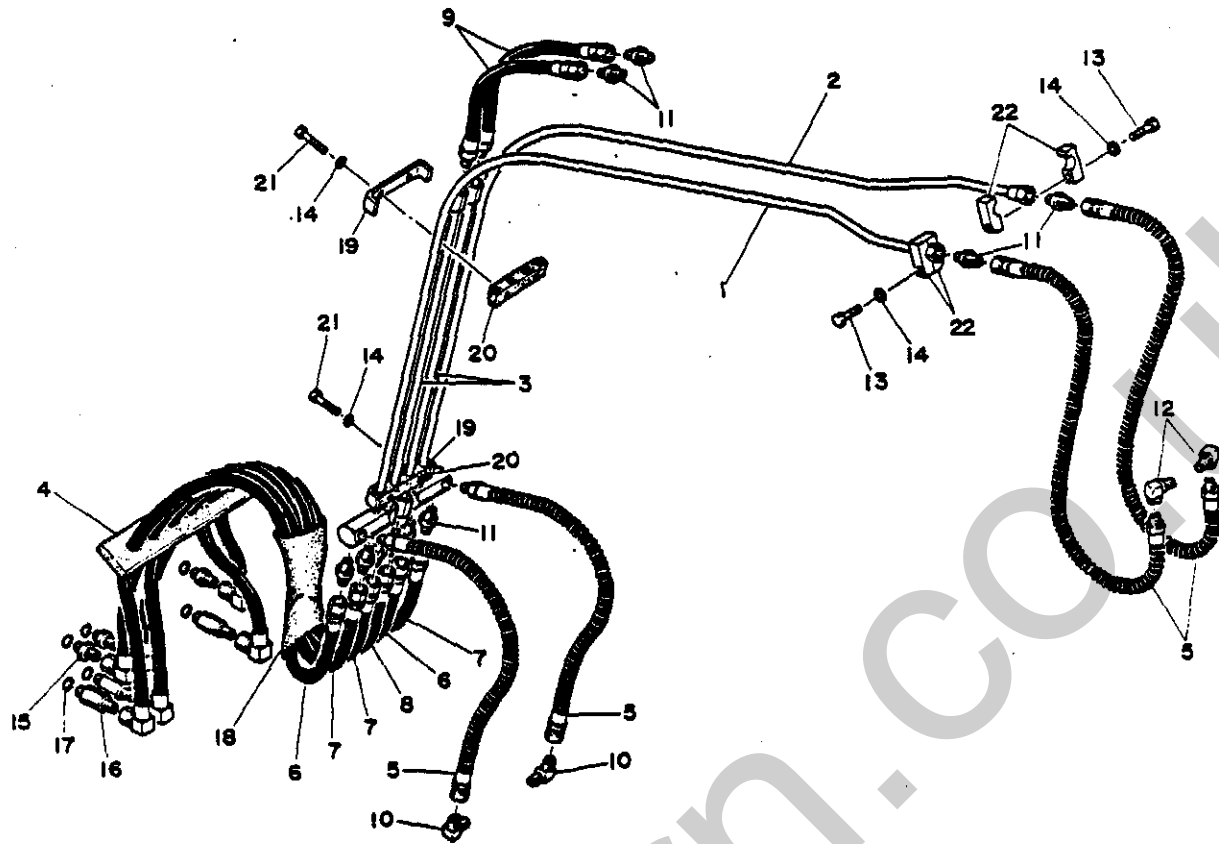
FIG. 28

BUCKET



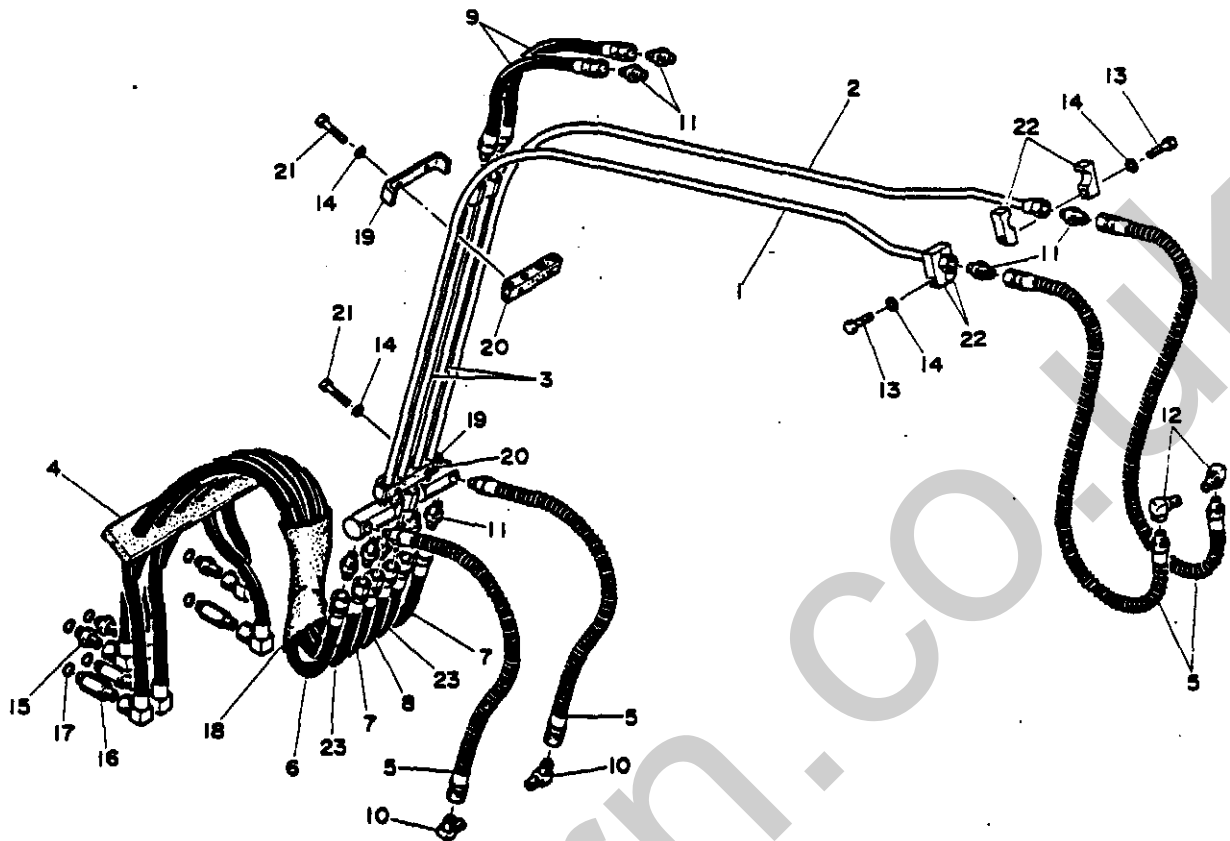
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	00762-00400	BUCKET ASSY	1	
1	01662-00600	*TOOTH	4	
2	00762-00100	*CUTTER, SIDE	2	
1	00629-00000	*BUSHING	4	

FIG. 29-1 PIPING, HOE 1



Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	00773-00100	PIPE	1
2	00773-00200	PIPE	1
3	00773-00300	PIPE	2
4	00673-10100	CLAMP, Rubber	1
5	19081-06065	HOSE ASSY	4
6	19094-08085	HOSE ASSY	2
7	19094-08090	HOSE ASSY	3
8	19094-08100	HOSE ASSY	1
9	19080-06035	HOSE ASSY	2
10	15111-00002	ELBOW, 90°	2
11	15110-00002	ADAPTOR	10
12	15013-00002	ELBOW, 90°	2
13	11000-50030	BOLT	2
14	11400-10008	WASHER, Spring	6
15	00072-00075	ADAPTOR	3
16	00072-00076	ADAPTOR	3
17	14203-10906	O-RING	6
18	15313-55500	HOSE	1
19	00673-10200	CLAMP	2
20	00673-10300	GUARD	2
21	11000-50035	BOLT	4
22	00760-90019	CLAMP	2

FIG. 29-2 PIPING, HOE 1



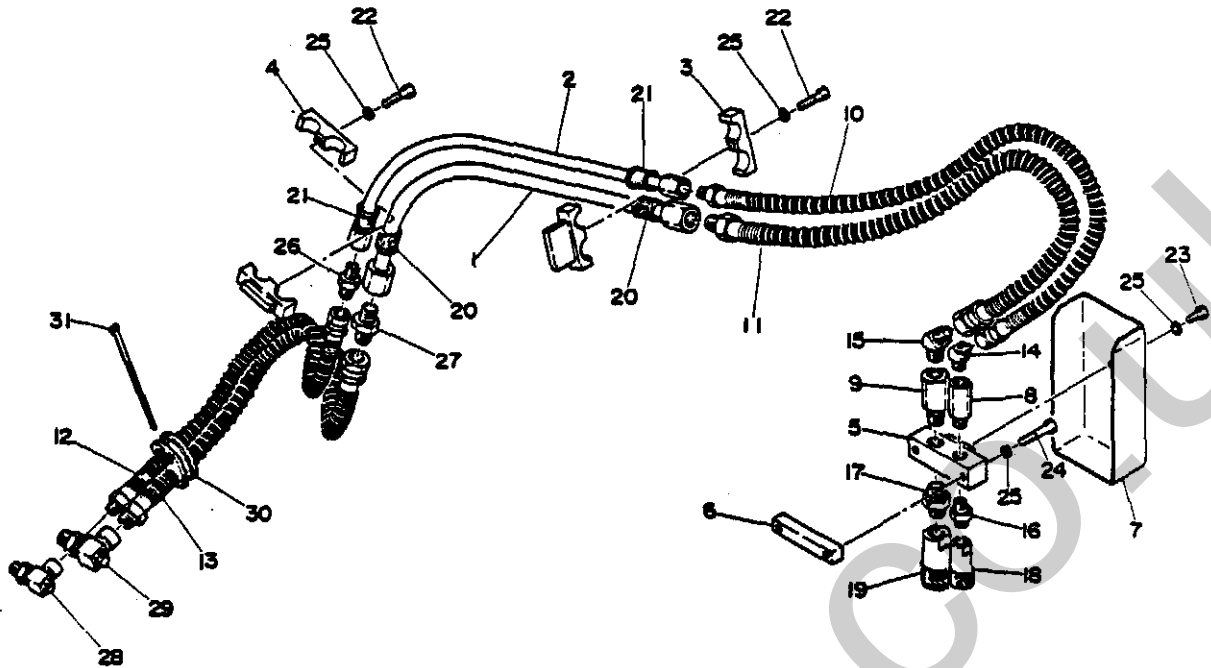
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00773-00100	PIPE	1	
2	00773-00200	PIPE	1	
3	00773-00300	PIPE	2	
4	00673-10100	CLAMP, Rubber	1	
5	19082-00005	HOSE ASSY	4	
6	19094-00005	HOSE ASSY	1	
7	19094-00050	HOSE ASSY	2	
8	19094-00100	HOSE ASSY	1	
9	19094-00035	HOSE ASSY	2	
10	15111-00002	ELBOW, 90°	2	
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	6	
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

For Detail

Fig. 29-2 1/1

FIG. 30 PIPING, HOE 2



QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	00673-14100	PIPE	1	26	15110-00003	ADAPTOR	1
2	00673-14200	PIPE	1	27	15110-00004	ADAPTOR	1
3	01473-55600	CLAMP	1	28	15140-00703	ELBOW, 90°	1
4	01573-11100	CLAMP	1	29	15140-00704	ELBOW, 90°	1
5	01573-24500	ADAPTOR	1	30	00972-10300	GUARD	1
6	01573-25200	BAR, Feat	1	31	16522-01000	SAND	1
7	01573-25500	COVER	1				
8	00072-00016	ADAPTOR	1				
9	00072-00003	ADAPTOR	1				
10	19081-09100	HOSE ASSY	1				
11	19081-12000	HOSE ASSY	1				
12	19081-09110	HOSE ASSY	1				
13	19081-12110	HOSE ASSY	1				
14	15112-00003	ELBOW, 45°	1				
15	15112-00004	ELBOW, 45°	1				
16	15015-00003	NIPPLE	1				
17	15015-00004	NIPPLE	1				
18	15166-00003	COUPLING	1				
19	15166-00004	COUPLING	1				
20	15314-28019	HOSE	2				
21	01473-51300	HOSE	2				
22	11000-50035	BOLT	2				
23	11000-40016	BOLT	1				
24	11000-40045	BOLT	2				
25	11400-10000	WASHER, Spring	5				

NOTE with Breather Circuit Type

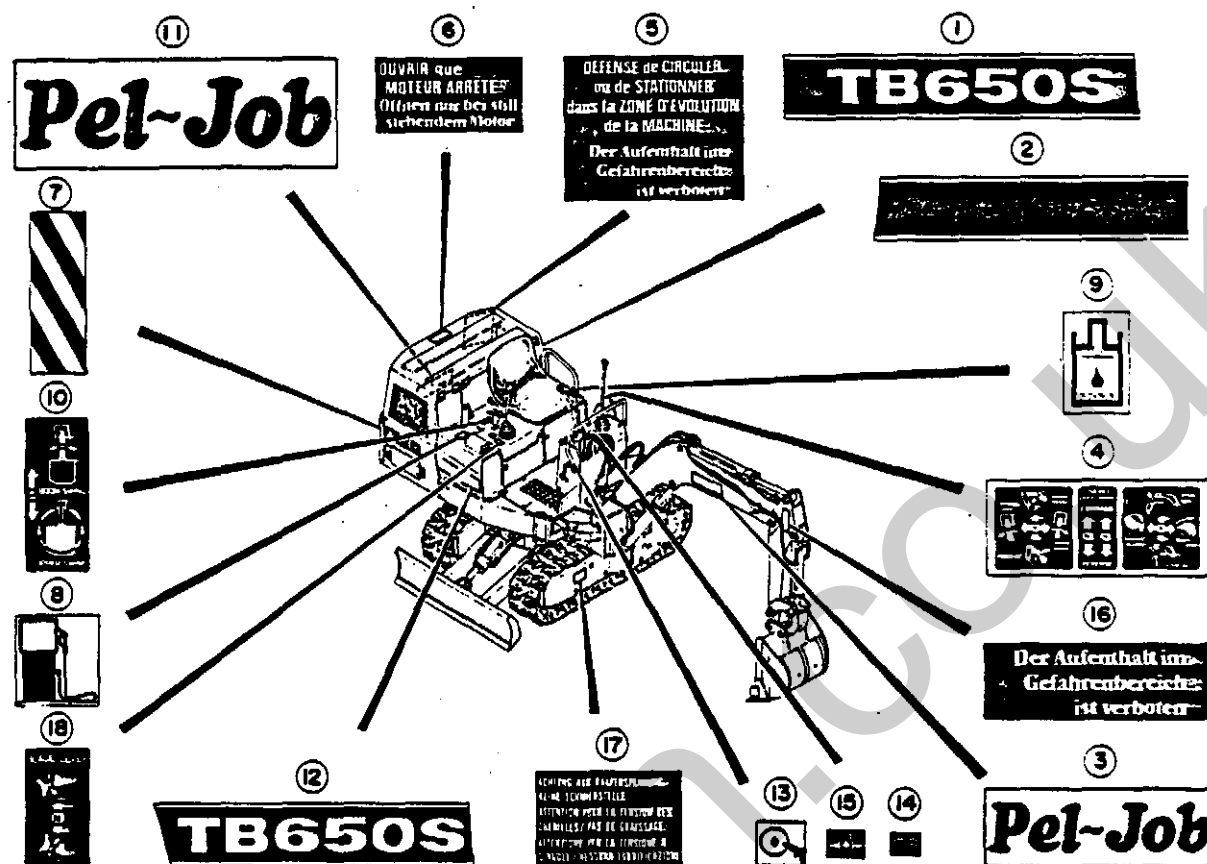
FIG. 30 1/2

NOTE

with Breather Circuit Type

FIG. 30 2/2

FIG. 31-1 STICKERS



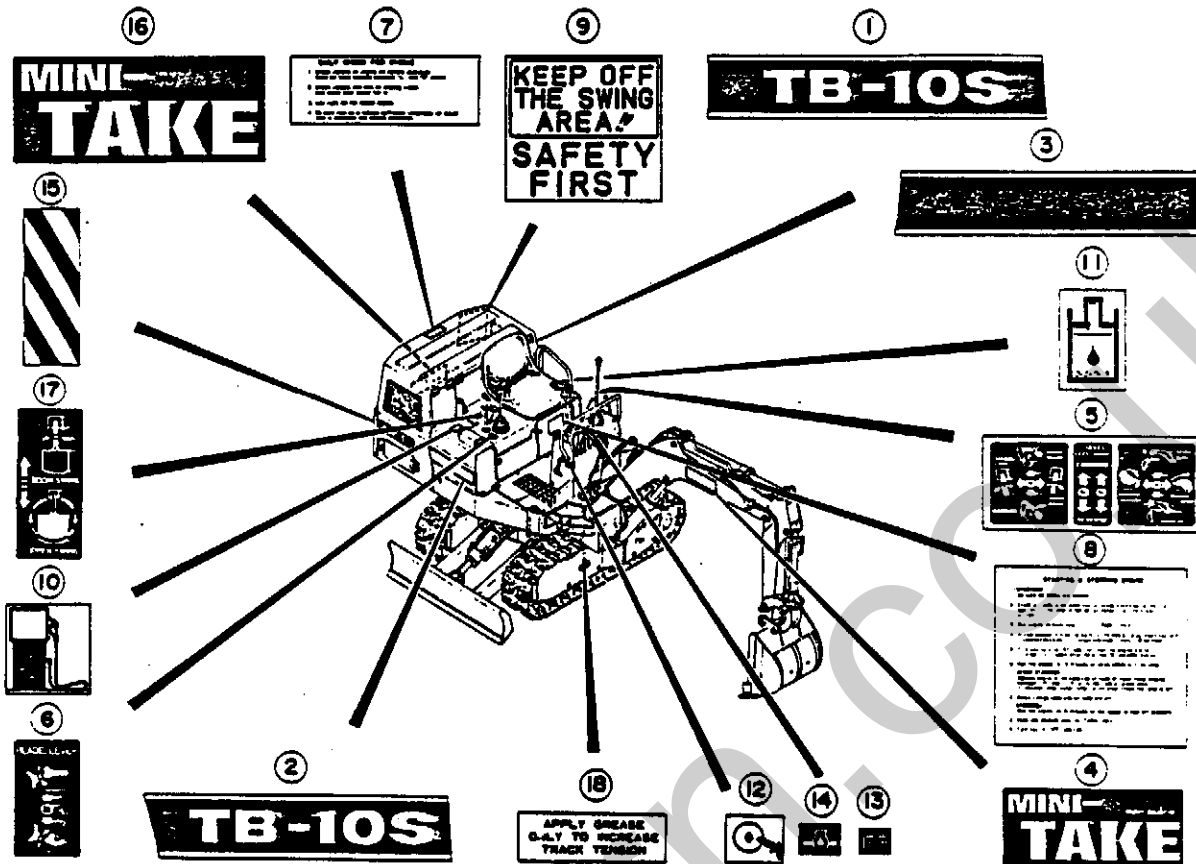
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
Q1	00693-00000	STICKER SET	1	#100 ~
1	00693-20100	*STICKER	1	
2	00693-20200	*STICKER	1	
3	00693-20300	*STICKER	2	
4	01493-50500	*STICKER	1	#231 ~
5	02593-00300	*STICKER	1	
6	02593-00400	*STICKER	1	
7	02593-00500	*SYMBOL MARK	2	
8	02593-00600	*SYMBOL MARK	1	
9	02593-00700	*SYMBOL MARK	1	
10	00693-20800	*STICKER	1	
11	01393-00200	*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

For Parts

Fig. 31-1 1/1

FIG. 31-4 STICKERS



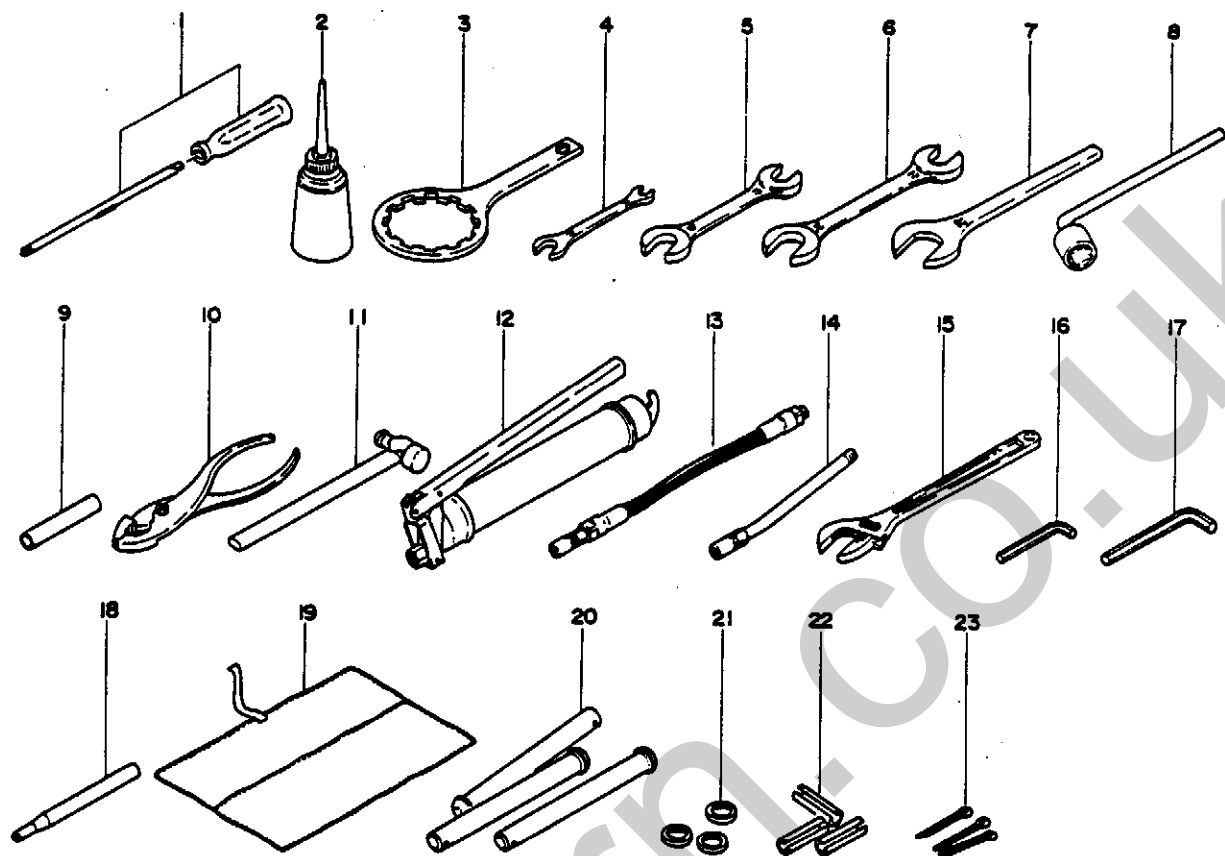
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
Q1	00693-90100	STICKER SET	1
1	00693-28100	*STICKER	1
2	00693-28200	*STICKER	1
3	00693-20200	*STICKER	1
4	00693-27100	*STICKER	2
5	01493-58500	*STICKER	1
6	01493-57800	*STICKER	1
7	01493-57900	*STICKER	1
8	01493-59800	*STICKER	1
9	01593-20500	*STICKER	1
10	02593-00600	*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.A.

Fig. 31-4 1/1

FIG. 32-1 TOOLS

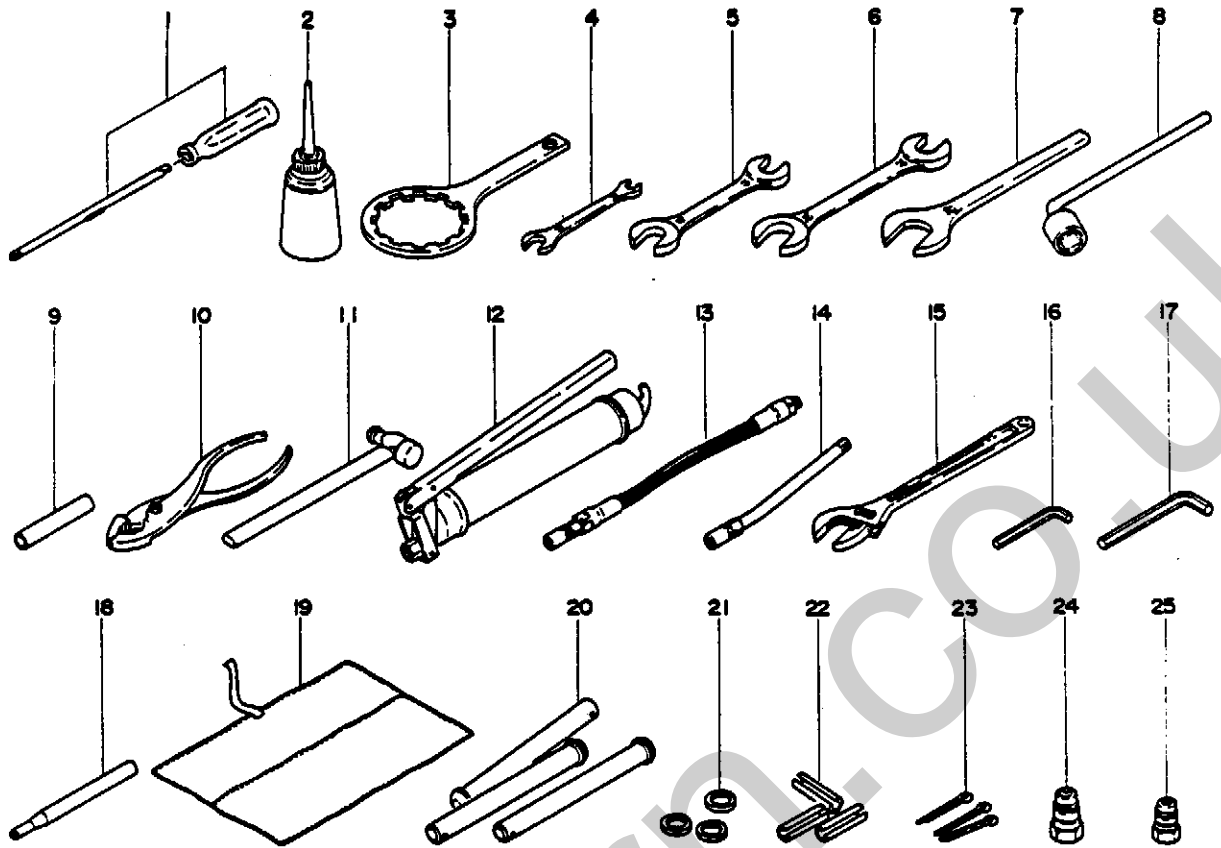


IN	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	*****	DRIVER	1	
2	*****	FEEDER OIL	1	
3	*****	WRENCH Filter	1	
4	*****	SPANNER	1	
5	*****	SPANNER	1	
6	*****	SPANNER	1	
0-1	00692-90000	TOOL SET	1	
7	16901-00027	*SPANNER	1	
8	16908-31026	*WRENCH L-type	1	
9	00079-00009	*PIPE	1	
10	16905-00200	*PLIER	1	
11	16903-00330	*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	

NOTE

*1~*102. * / * Breaker Circuit Type FIG. 32-1 1/1

FIG. 32-2 TOOLS



PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 *****	DRIVER	1	
2 *****	FEEDER, Oil	1	
3 *****	WRENCH, Filler	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 1/2

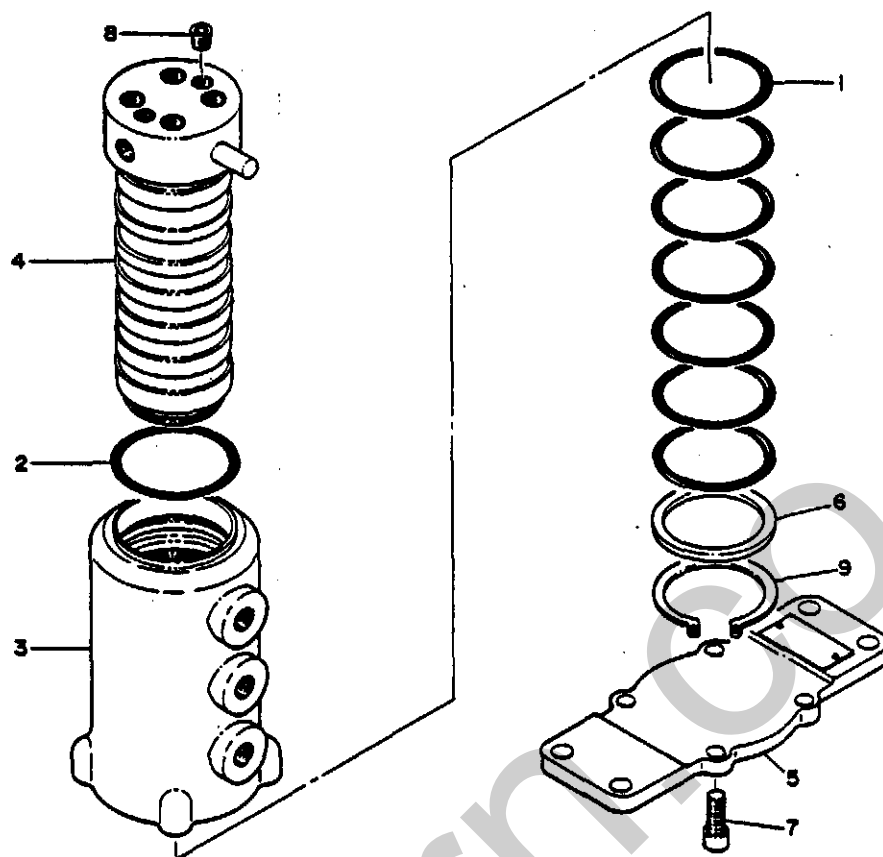
PARTS NUMBER	DESCRIPTION	QTY	REMARKS
25 15167-00003	COUPLING	1	

NOTE

#193~ with Breaker Circuit Type

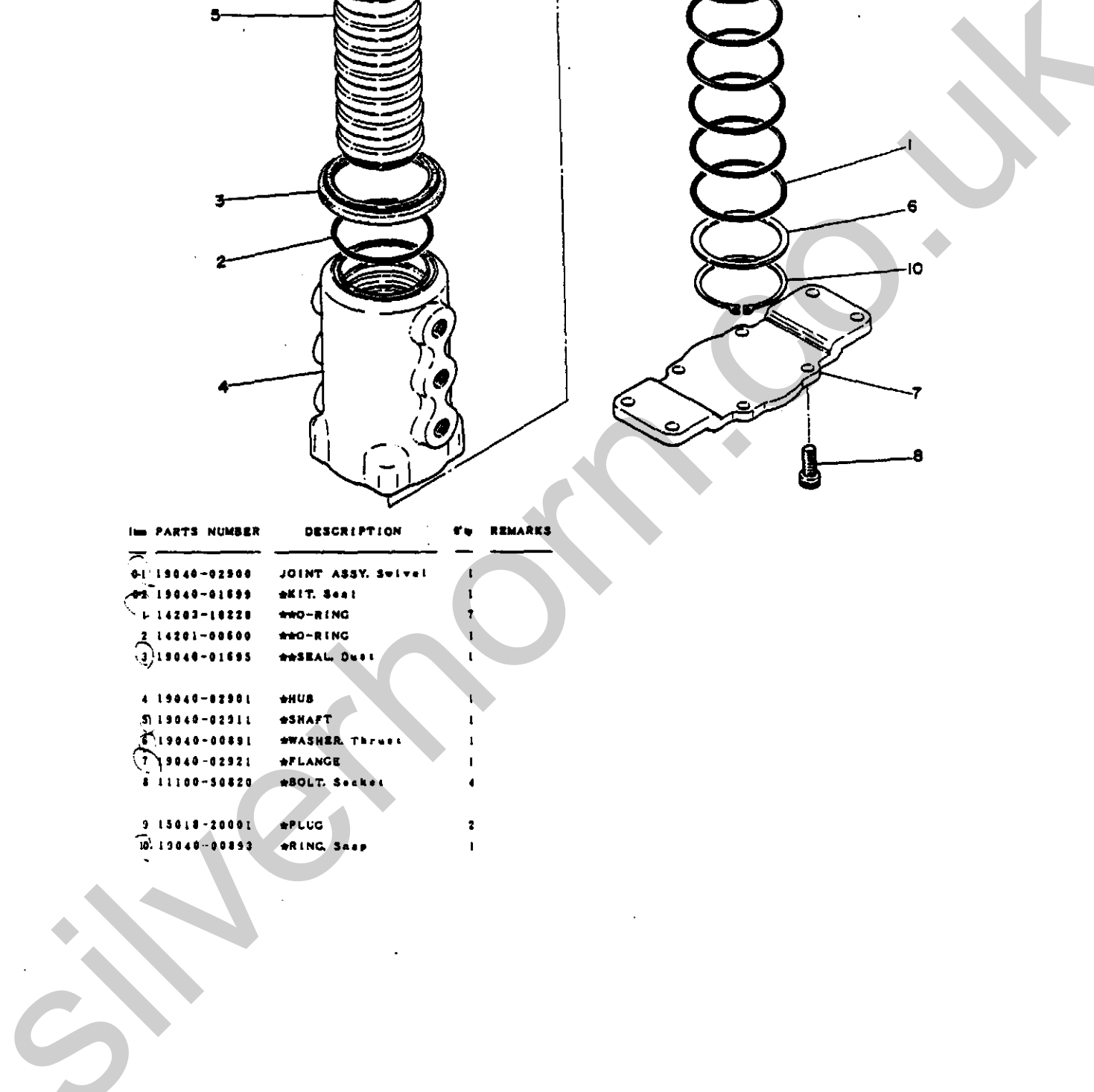
Fig.32-2 2/2

FIG. 33-1 SWIVEL JOINT



QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19040-00000	JOINT ASSY. Swivel	
1	19040-00000	*KIT. Seal	
1	14201-10500	*O-RING	
2	14201-10550	*O-RING	
1	19040-00001	*HUB	
1	19040-00011	*SHAFT	
1	19040-00021	*FLANGE	
1	19040-00091	*WASHER	
4	11100-50020	*BOLT. Socket	
2	15010-20001	*PLUG	
1	12200-00050	*RING. Snap	

1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 19040-02900	JOINT ASSY. Swivel	1	
2 19040-01699	*KIT. Seal	1	
3 14203-10220	*O-RING	7	
2 14201-00600	*O-RING	1	
3 19040-01695	*SEAL. Dust	1	
4 19040-02901	*HUB	1	
5 19040-02911	*SHAFT	1	
6 19040-00891	*WASHER. Thrust	1	
7 19040-02921	*FLANGE	1	
8 11100-50820	*BOLT. Socket	4	
9 15018-20001	*PLUG	2	
10 19040-00893	*RING. Snap	1	



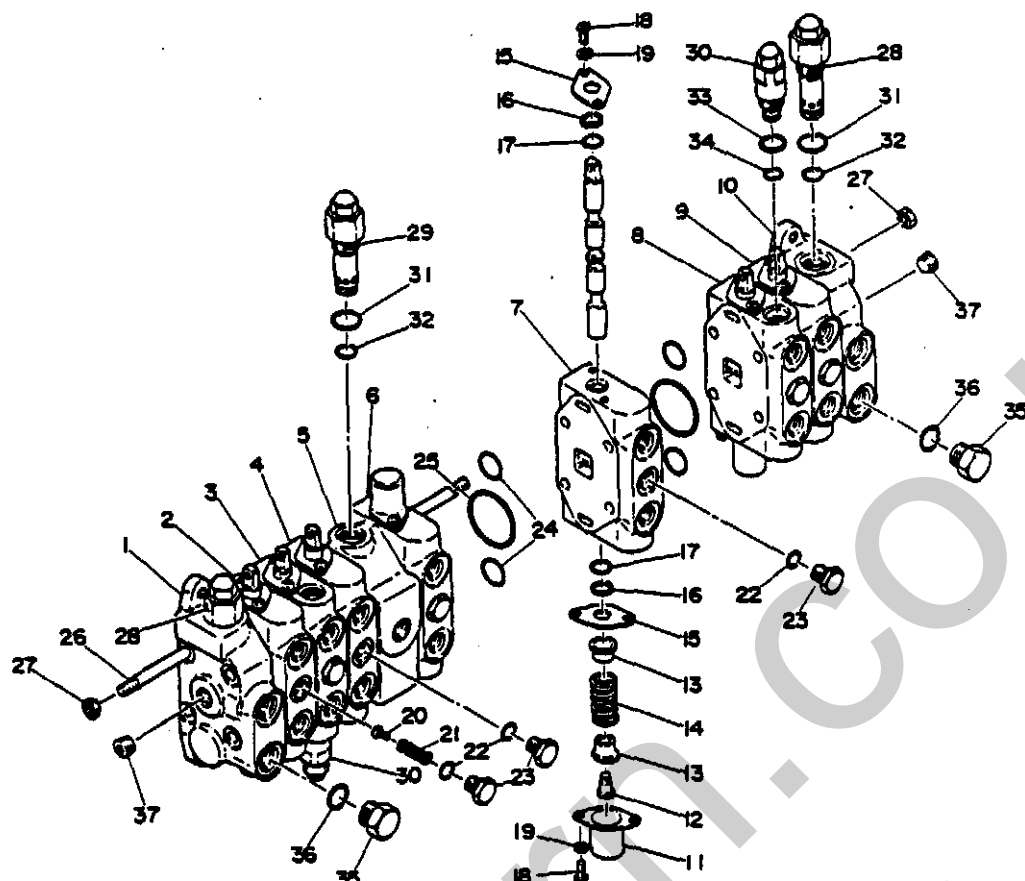
1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 19040-02900	JOINT ASSY. Swivel	1	
2 19040-01699	*KIT. Seal	1	
3 14203-10220	*O-RING	7	
2 14201-00600	*O-RING	1	
3 19040-01695	*SEAL. Dust	1	
4 19040-02901	*HUB	1	
5 19040-02911	*SHAFT	1	
6 19040-00891	*WASHER. Thrust	1	
7 19040-02921	*FLANGE	1	
8 11100-50820	*BOLT. Socket	4	
9 15018-20001	*PLUG	2	
10 19040-00893	*RING. Snap	1	

1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 19040-02900	JOINT ASSY. Swivel	1	
2 19040-01699	*KIT. Seal	1	
3 14203-10220	*O-RING	7	
2 14201-00600	*O-RING	1	
3 19040-01695	*SEAL. Dust	1	
4 19040-02901	*HUB	1	
5 19040-02911	*SHAFT	1	
6 19040-00891	*WASHER. Thrust	1	
7 19040-02921	*FLANGE	1	
8 11100-50820	*BOLT. Socket	4	
9 15018-20001	*PLUG	2	
10 19040-00893	*RING. Snap	1	

1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 19040-02900	JOINT ASSY. Swivel	1	
2 19040-01699	*KIT. Seal	1	
3 14203-10220	*O-RING	7	
2 14201-00600	*O-RING	1	
3 19040-01695	*SEAL. Dust	1	
4 19040-02901	*HUB	1	
5 19040-02911	*SHAFT	1	
6 19040-00891	*WASHER. Thrust	1	
7 19040-02921	*FLANGE	1	
8 11100-50820	*BOLT. Socket	4	
9 15018-20001	*PLUG	2	
10 19040-00893	*RING. Snap	1	

1- PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1 19040-02900	JOINT ASSY. Swivel	1	
2 19040-01699	*KIT. Seal	1	
3 14203-10220	*O-RING	7	
2 14201-00600	*O-RING	1	
3 19040-01695	*SEAL. Dust	1	
4 19040-02901	*HUB	1	
5 19040-02911	*SHAFT	1	
6 19040-00891	*WASHER. Thrust	1	
7 19040-02921	*FLANGE	1	
8 11100-50820	*BOLT. Socket	4	
9 15018-20001	*PLUG	2	
10 19040-00893	*RING. Snap	1	

FIG. 34-1 CONTROL VALVE



QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19010-06100	VALVE ASSY. Control	1	28	14203-10030	*O-RING	9
1	19010-06003	*HOUSING, Inlet	2	29	19010-04306	*TIE ROD	4
2	19010-06013	*BLOCK ASSY. Bucket	1	27	11300-20008	*NUT	8
3	19010-04311	*BLOCK ASSY. Boom	1	28	19010-00032	*VALVE Relief	2
4	19010-06015	*BLOCK ASSY. Traction (G.I.)	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. Traction (G.I.)	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 & Seal	1	34	14200-10100	*O-RING	2
10	19010-04301	*HOUSING, Inlet	1	35	15135-00008	*PLUG	2
11	19010-04351	*COVER	7	36	14203-10008	*O-RING	2
12	19010-04351	*END, Seal	7	37	15010-20002	*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	14200-00120	*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	15135-00009	*PLUG	7				
24	14203-10017	*O-RING	18				

NOTE #1-#192

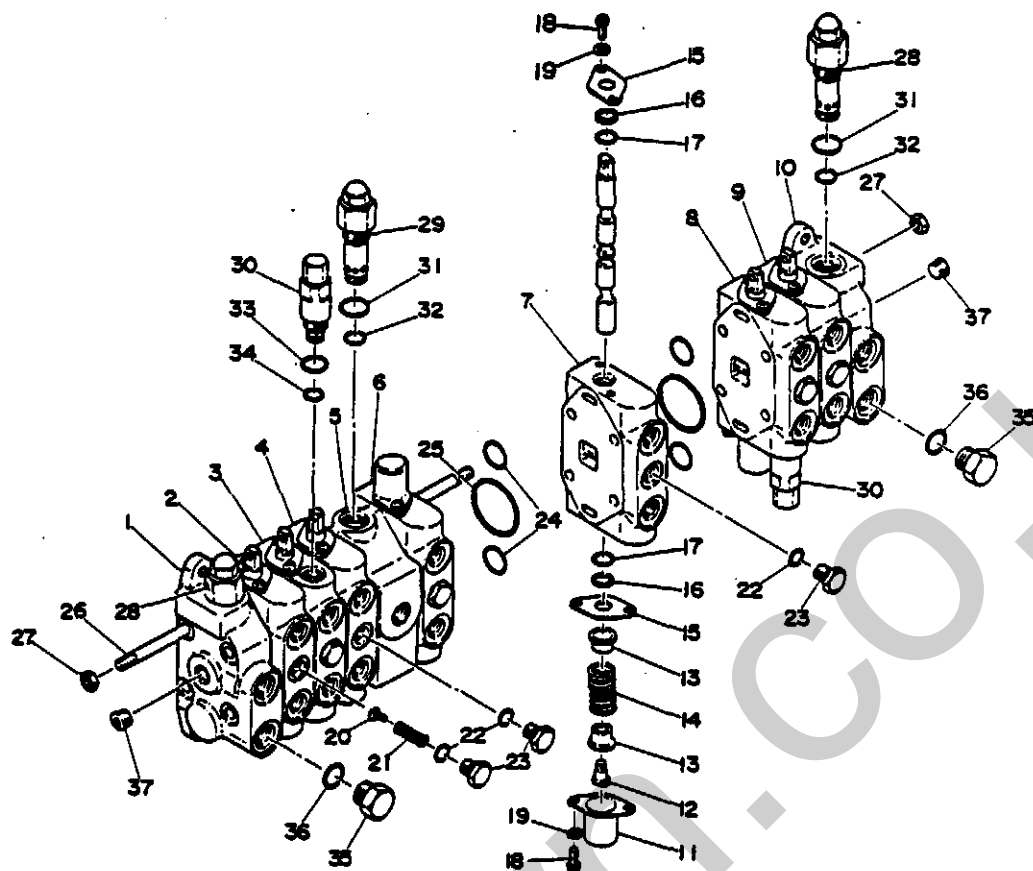
Fig.34-1 1/2

NOTE

#1-#192

Fig.34-1 2/2

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	3
1	19010-00003	*HOUSING, Inlet	2	26	19010-04306	*TIE ROD	4
2	19010-00013	*BLOCK ASSY. Shim & Spring	1	27	11300-20000	*NUT	8
3	19010-00012	*BLOCK ASSY. Arm	1	28	19010-00032	*VALVE, Relief	2
4	19010-00015	*BLOCK ASSY. Traction (R.S.)	1	29	19010-00033	*VALVE, Relief	1
5	19010-04302	*HOUSING, Inlet	1	30	19010-00058	*VALVE, Overload	2
6	19010-00017	*BLOCK ASSY. Blade	1	31	14200-10100	*O-RING	3
7	19010-00016	*BLOCK ASSY. Traction (L.S.)	1	32	14200-10120	*O-RING	3
8	19010-00011	*BLOCK ASSY. Beam	1	33	14200-10160	*O-RING	2
9	19010-00014	*BLOCK ASSY. Bucket	1	34	14200-10100	*O-RING	2
10	19010-04301	*HOUSING, Inlet	1	35	15135-00000	*PLUG	2
11	19010-04301	*COVER	7	36	14203-10000	*O-RING	2
12	19010-04391	*END, Seal	7	37	13010-20002	*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	14200-00120	*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	15135-00000	*PLUG	7				
24	14203-10017	*O-RING	18				

NOTE For England #1~#395

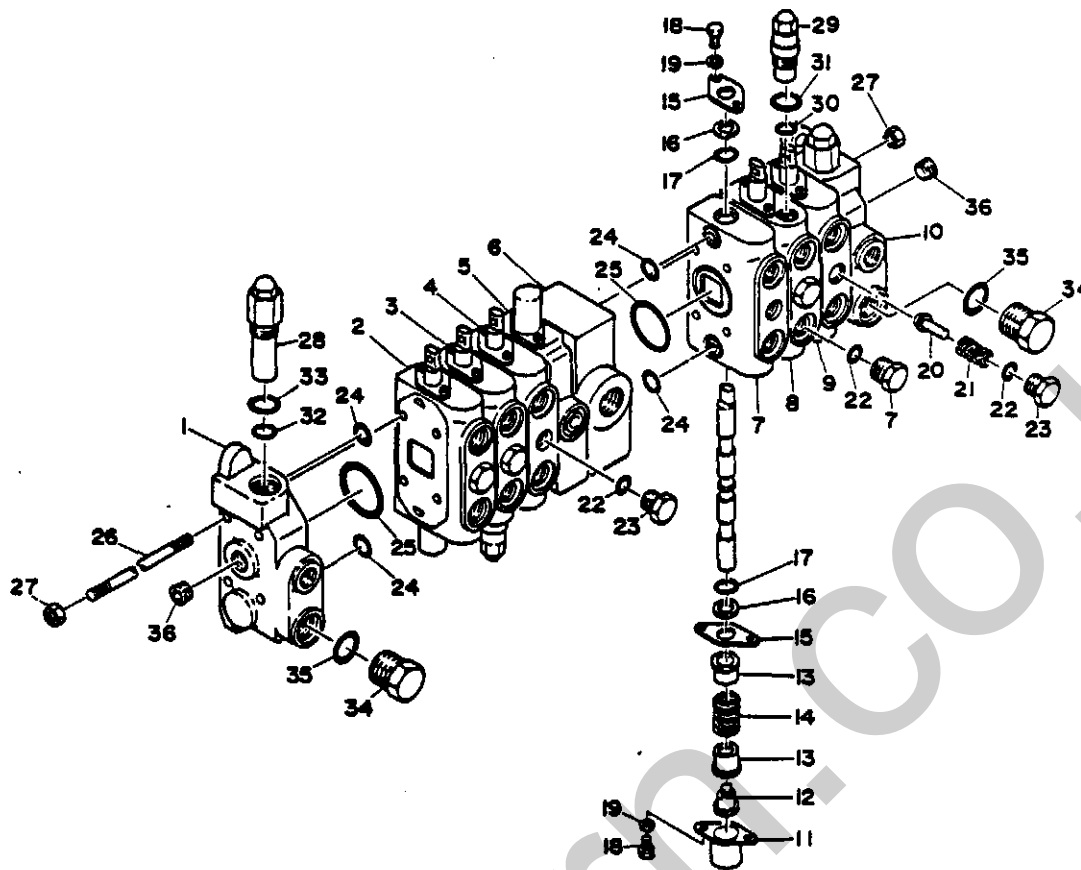
Fig.34-2 1/2

NOTE

For England #1~#395

Fig.34-2 2/2

FIG. 34-3 CONTROL VALVE

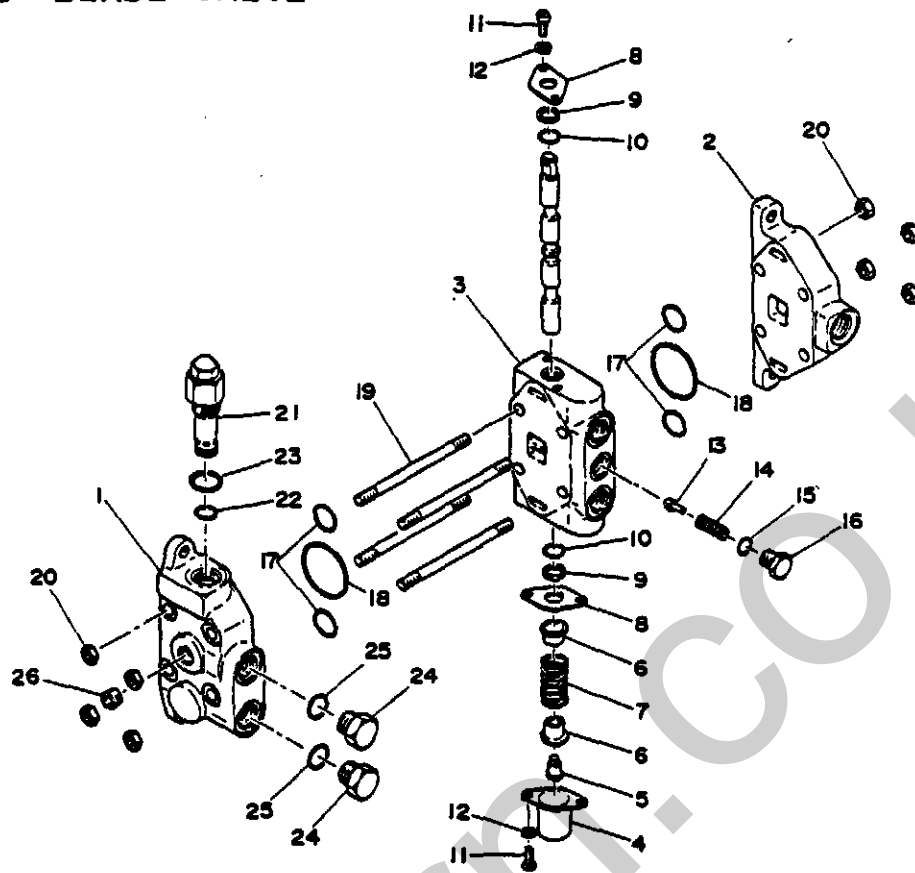


QTY	PARTS NUMBER	DESCRIPTION	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19010-07800	VALVE ASSY. Control	1	9	14203-10030	O-RING	2
1	19010-05803	HOUSING, Inlet	1	4	19010-04306	TIE ROD	2
1	19010-06013	BLOCK ASSY. Bucket	1	8	11300-20008	NUT	2
1	19010-04311	BLOCK ASSY. Boom	1	2	19010-00032	VALVE, Relief	2
1	19010-06015	BLOCK ASSY. Traction Oil	1	2	19010-00034	VALVE, Overload	2
1	19010-07810	BLOCK ASSY. Breaker	1	2	14200-10120	O-RING	2
1	19010-07804	HOUSING, Outlet Center	1	2	14200-10100	O-RING	2
1	19010-06016	BLOCK ASSY. Traction Oil	1	2	14200-10100	O-RING	2
1	19010-04312	BLOCK ASSY. Arm	1	2	15135-00009	PLUG	2
1	19010-06014	BLOCK ASSY. Slow	1	2	14203-10008	O-RING	2
1	19010-04301	HOUSING, Inlet	1	2	15010-20002	PLUG	2
7	19010-04301	COVER	7				
7	19010-04391	END, Seal	7				
14	19010-04351	HOLDER, Spring	14				
7	19010-04356	SPRING	7				
14	19010-04341	HOLDER, Seal	14				
14	14212-00500	RUNG, Back-up	14				
14	14200-00120	O-RING	14				
28	11205-20512	SCREW, Pan Head	28				
28	11400-10005	WASHER, Spring	28				
4	19010-04355	PLUNGER, Check	4				
4	19010-04357	SPRING	4				
6	14200-10100	O-RING	6				
6	15135-00009	PLUG	6				
18	14203-10017	O-RING	18				

FIG. 34-3 1/2

FIG. 34-3 2/2

FIG. 35 BLADE VALVE



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS	QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	19010-08400	VALVE ASSY. Control	1		2	14203-10908	*O-RING	2	
1	19010-05003	*HOUSING, Inlet	1		1	15010-20002	*PLUG, Socket Head	1	
1	19010-08404	*HOUSING, Outlet	1						
1	19010-06013	*BLOCK ASSY. Blade	1						
1	19010-04361	*COVER	1						
1	19010-04391	*END, Seal	1						
2	19010-04351	*HOLDER, Spring	2						
1	19010-04356	*SPRING	1						
2	19010-04341	*HOLDER, Seal	2						
2	14212-00500	*RING, Back-up	2						
2	14200-00120	*O-RING	2						
4	11203-20512	*SCREW, Fan Head	4						
4	11400-10003	*WASHER, Spring	4						
1	19010-04366	*PLUNGER, Check	1						
1	19010-04357	*SPRING	1						
1	14200-10100	*O-RING	1						
1	15135-00009	*PLUG	1						
4	14203-10017	*O-RING	4						
2	14203-10030	*O-RING	2						
4	19010-08406	*TIE ROD	4						
8	11307-20008	*NUT	8						
1	19010-00033	*VALVE, Relief	1						
1	14200-10120	*O-RING	1						
1	14200-10180	*O-RING	1						
2	15135-00008	*PLUG	2						

NOTE #193-

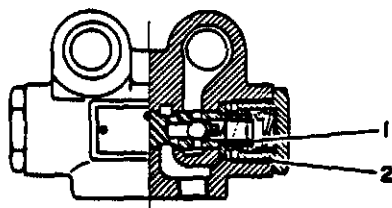
FIG. 35 1/2

NOTE

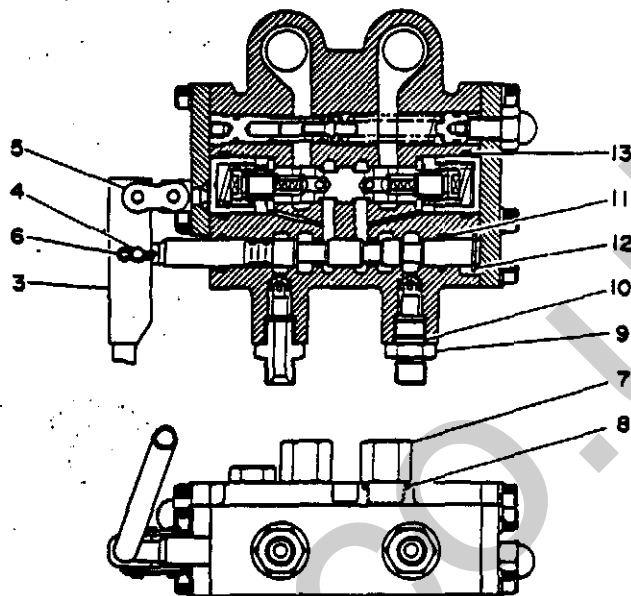
#193-

FIG. 35 2/2

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



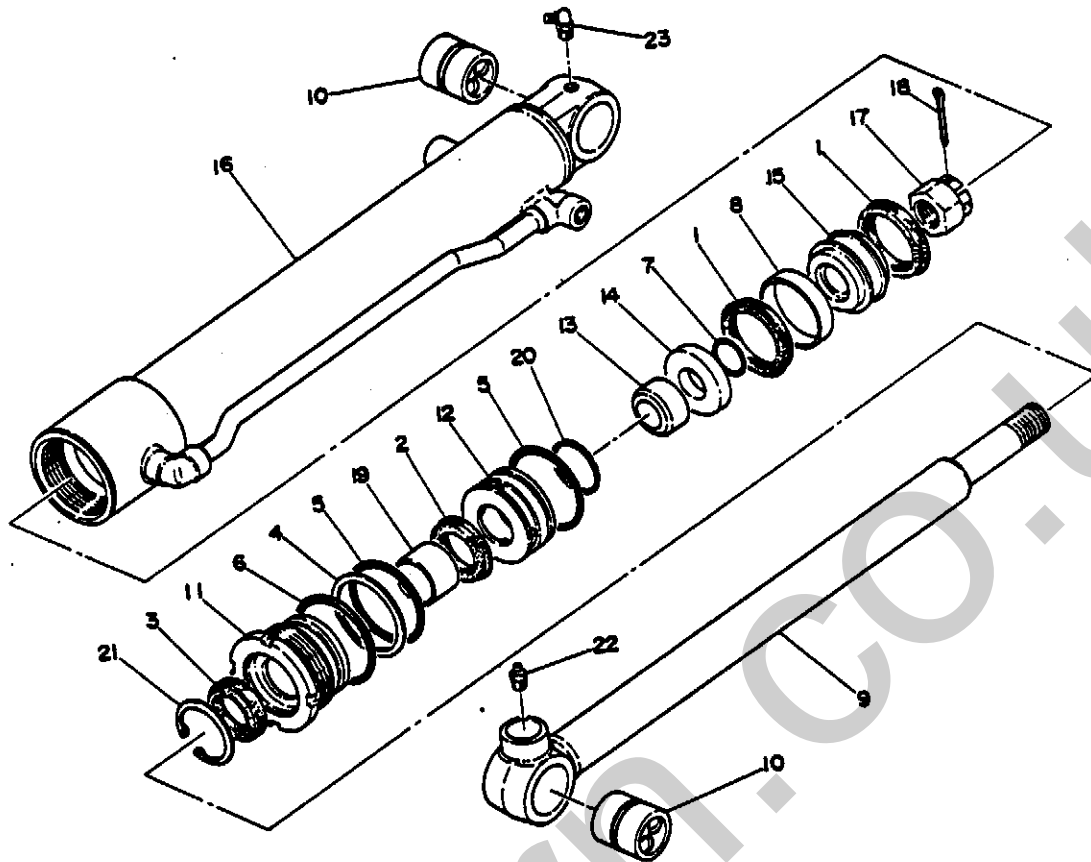
COUNTERBALANCE VALVE



SELECTOR & BRAKE VALVE

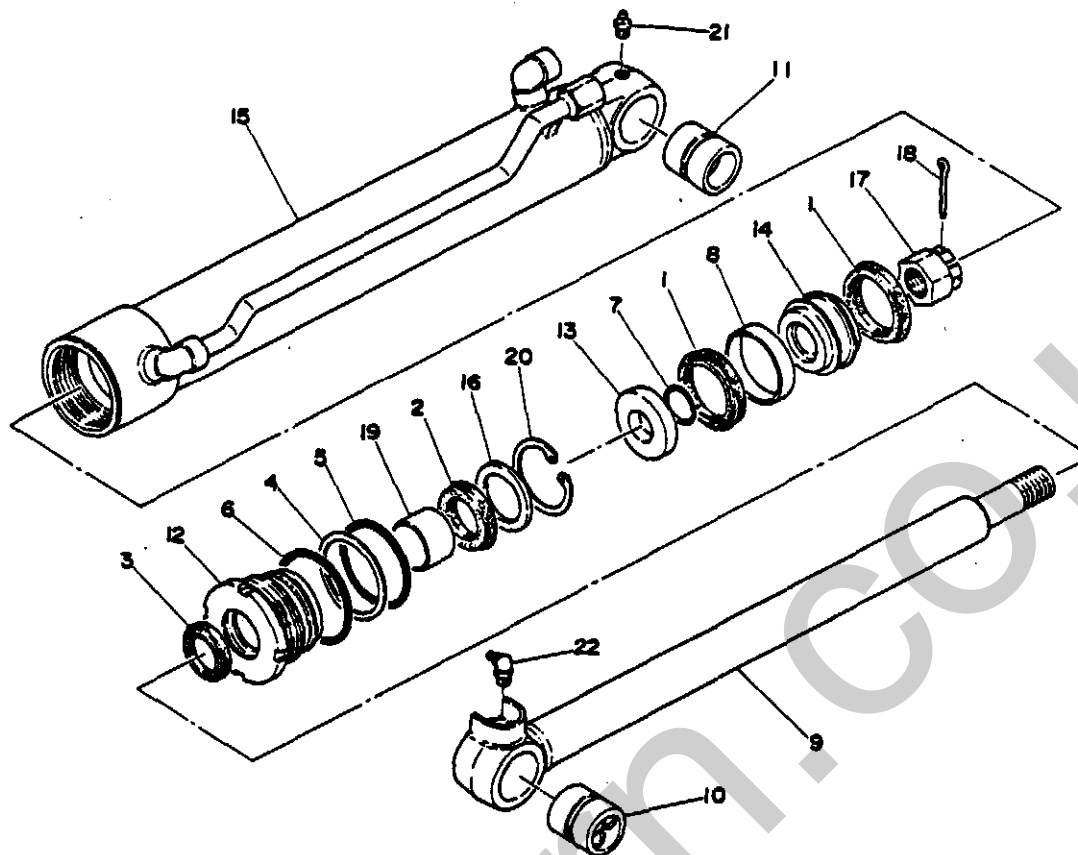
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
Q-1	19015-00000	CB. VALVE	2	
1	14200-10070	*O-RING	2	
2	14200-10240	*O-RING	2	
Q-2	19017-01400	S. & B. VALVE	1	
3	14330-10015	*LEVER	1	
4	00040-05117	*PIN	1	
5	16200-50005	*LINK ASSY	1	
6	12140-00004	*PIN, Snap	1	
7	15131-00020	*ADAPTOR	2	
8	14200-10110	*O-RING	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



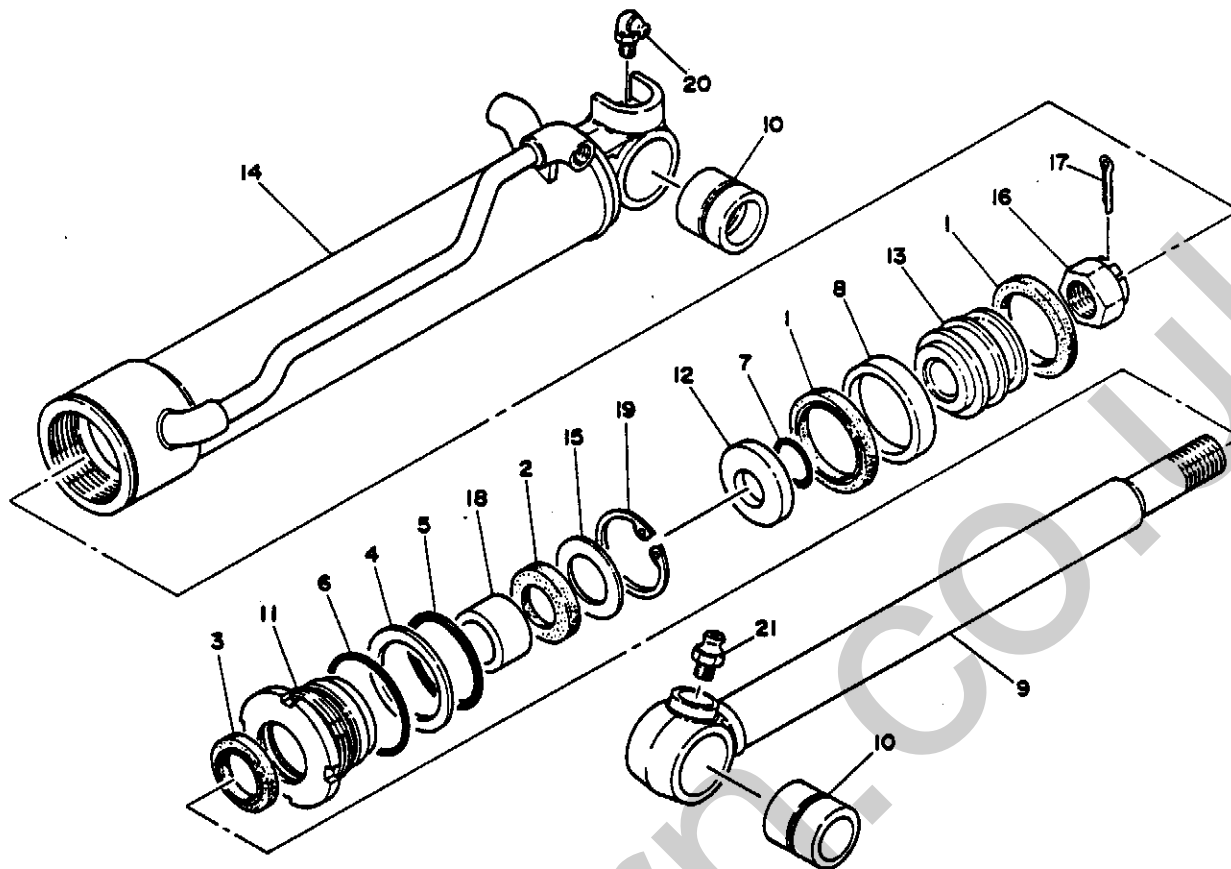
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
0-1	19000-09800	CYLINDER ASSY	1
0-2	19000-09809	*KIT, Seal	1
1	14100-00306	**PACKING, Piston	2
2	14105-35458	**PACKING, Rod	1
4	14111-00035	**SEAL, Dust	1
4	14211-30600	**RING, Back-up	1
5	14201-10600	**O-RING	2
6	14201-10650	**O-RING	1
7	14200-10240	**O-RING	1
8	14107-00012	*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	13330-03325	*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



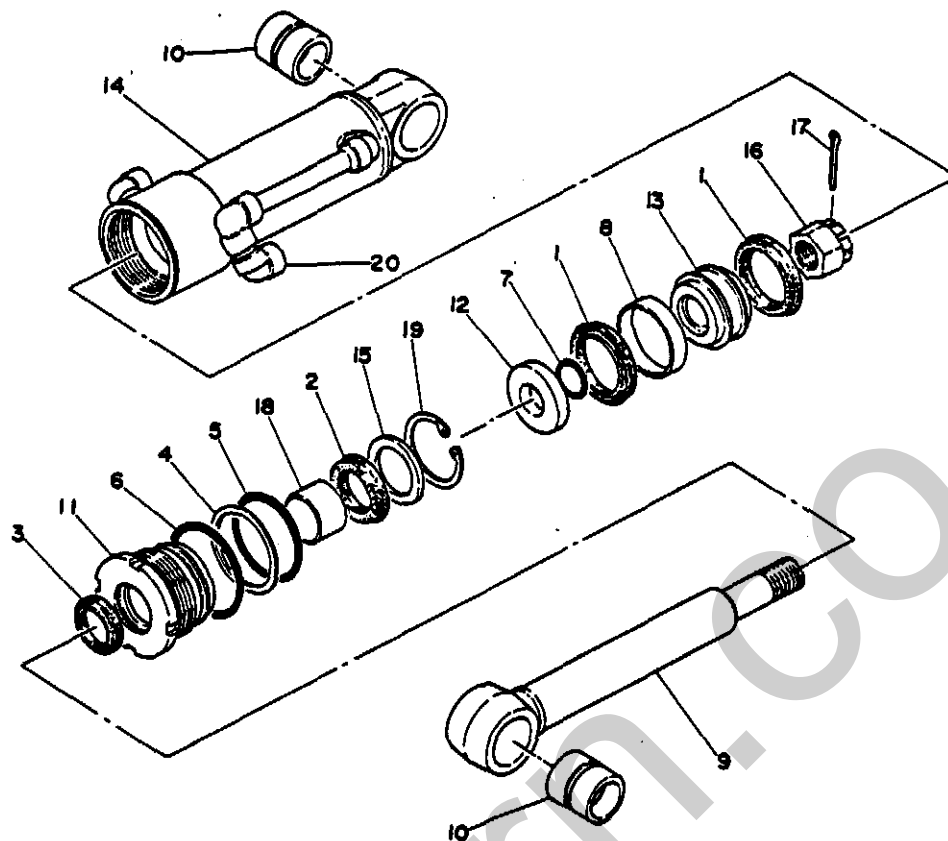
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19000-09900	CYLINDER ASSY	1
1	19000-09901	*KIT. Seal	1
2	14100-00306	*PACKING, Piston	2
1	14105-35458	*PACKING, Rod	1
1	14115-00350	*SEAL, Dust	1
1	14211-30600	*RING, Back-up	1
1	14201-10600	*O-RING	1
1	14201-10650	*O-RING	1
1	14200-10240	*O-RING	1
1	14107-06012	*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, Snap	1
1	15600-01000	*NIPPLE, Grease	1
1	15600-01900	*NIPPLE, Grease	1

FIG. 39 BUCKET CYLINDER



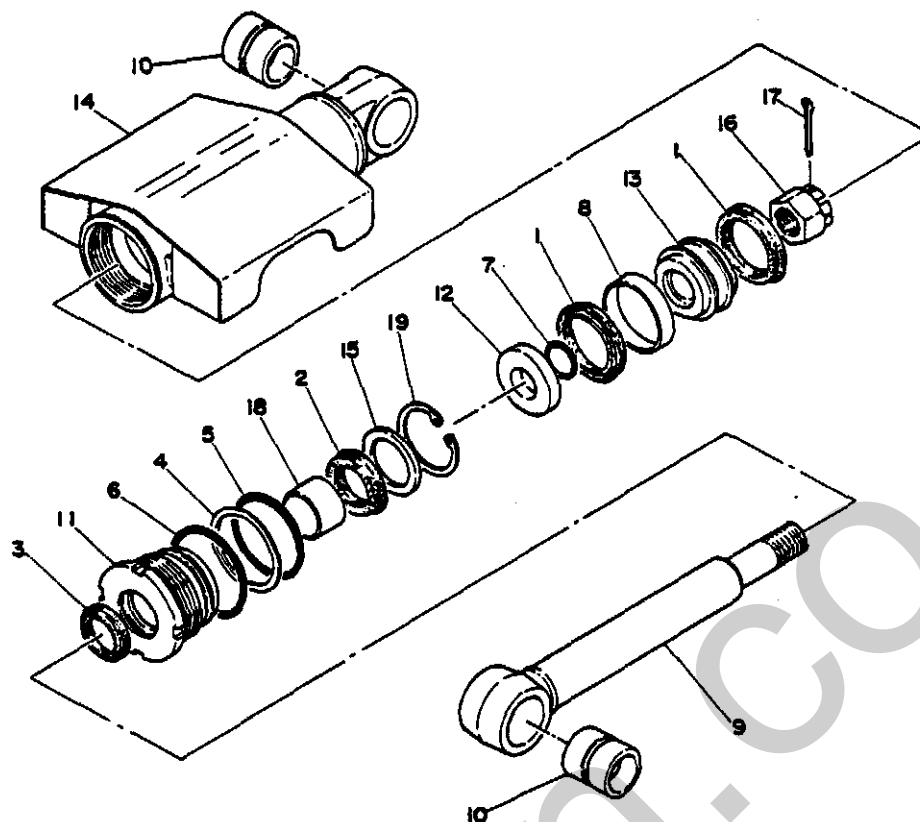
Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	19000-10000	CYLINDER ASSY	
1	19000-09999	*KIT, Seal	
2	14100-60506	*U-RING	
1	14105-35458	*U-RING	
1	14115-00350	*RING, Wiper	
1	14211-30800	*RING, Back-up	
1	14201-10600	*O-RING	
1	14201-10650	*O-RING	
1	14200-10240	*O-RING	
1	14107-06012	*WEARING	
1	19000-10001	*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, Snap	
1	15600-01675	*NIPPLE, Grease	
1	15600-01000	*NIPPLE, Grease	

FIG. 40-1 BLADE CYLINDER



Qty	PARTS NUMBER	DESCRIPTION	REMARKS
1	19000-10200	CYLINDER ASSY	
1	19000-09999	*KIT. Seal	
2	14100-00506	*PACKING. Piston	
1	14105-35458	*PACKING. Rod	
1	14115-00350	*SEAL. Dust	
1	14211-30600	*RING. Back-up	
1	14201-10000	*O-RING	
1	14201-10650	*O-RING	
1	14200-10240	*O-RING	
1	14107-00012	*WEARING	
1	19000-10201	*ROD. Piston	
2	19000-09920	*BUSHING	
1	19000-09903	*COVER. Rod	
1	19000-09850	*HOLDER. Packing	
1	19000-09806	*PISTON	
1	19000-10207	*TUBE	
1	19000-09908	*PACKING HOLDER. Rod	
1	19000-00309	*NUT	
1	12100-00545	*PIN. Split	
1	13330-03525	*BUSHING	
1	19000-09914	*RING. Snap	
1	15013-00002	*ELBOW. 90°	

FIG. 40-2 BLADE CYLINDER



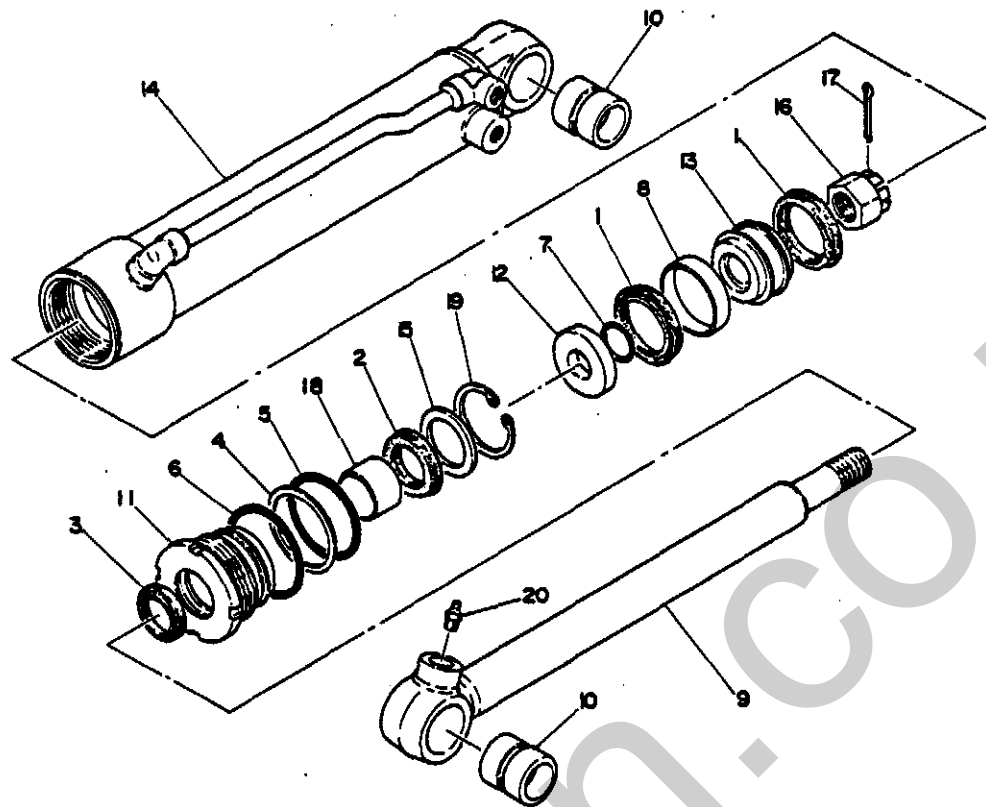
Qty	PARTS NUMBER	DESCRIPTION	REMARKS
0-1	19000-15300	CYLINDER ASSY	1
0-2	19000-09999	*KIT, Seal	1
1	14100-09300	**PACKING, Piston	2
2	14105-35458	**PACKING, Rod	1
3	14115-00350	**SEAL, Dust	1
4	14211-10600	**RING, Back-up	1
5	14201-10600	**O-RING	1
6	14201-10650	**O-RING	1
7	14200-10240	**O-RING	1
8	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, Seal	1

NOTE

#231-

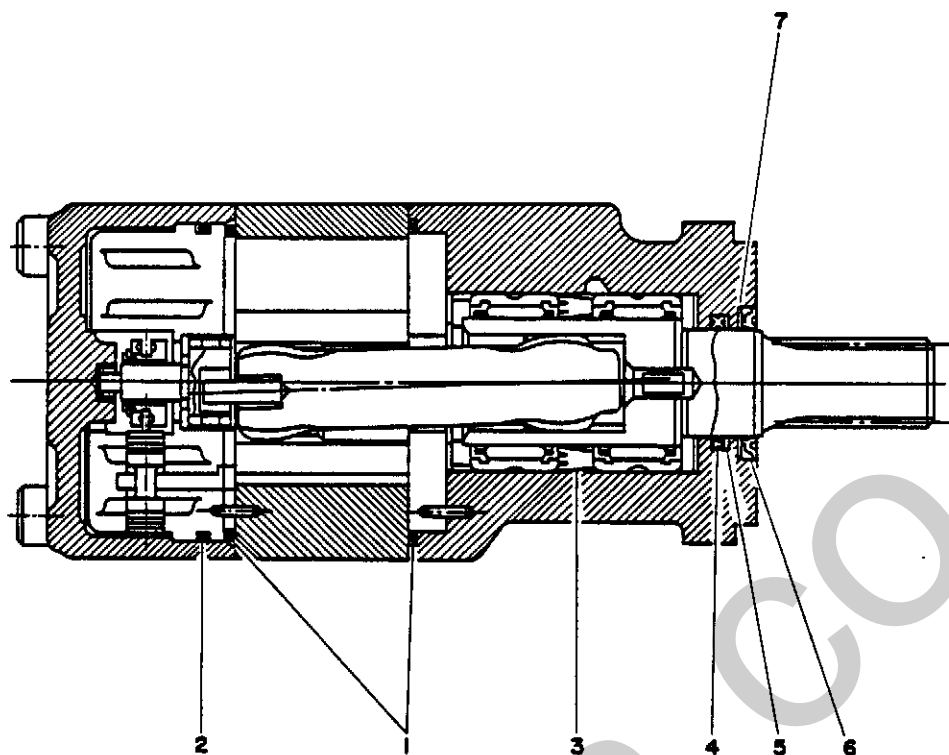
Fig. 40-2 1/1

FIG. 41 SWING CYLINDER



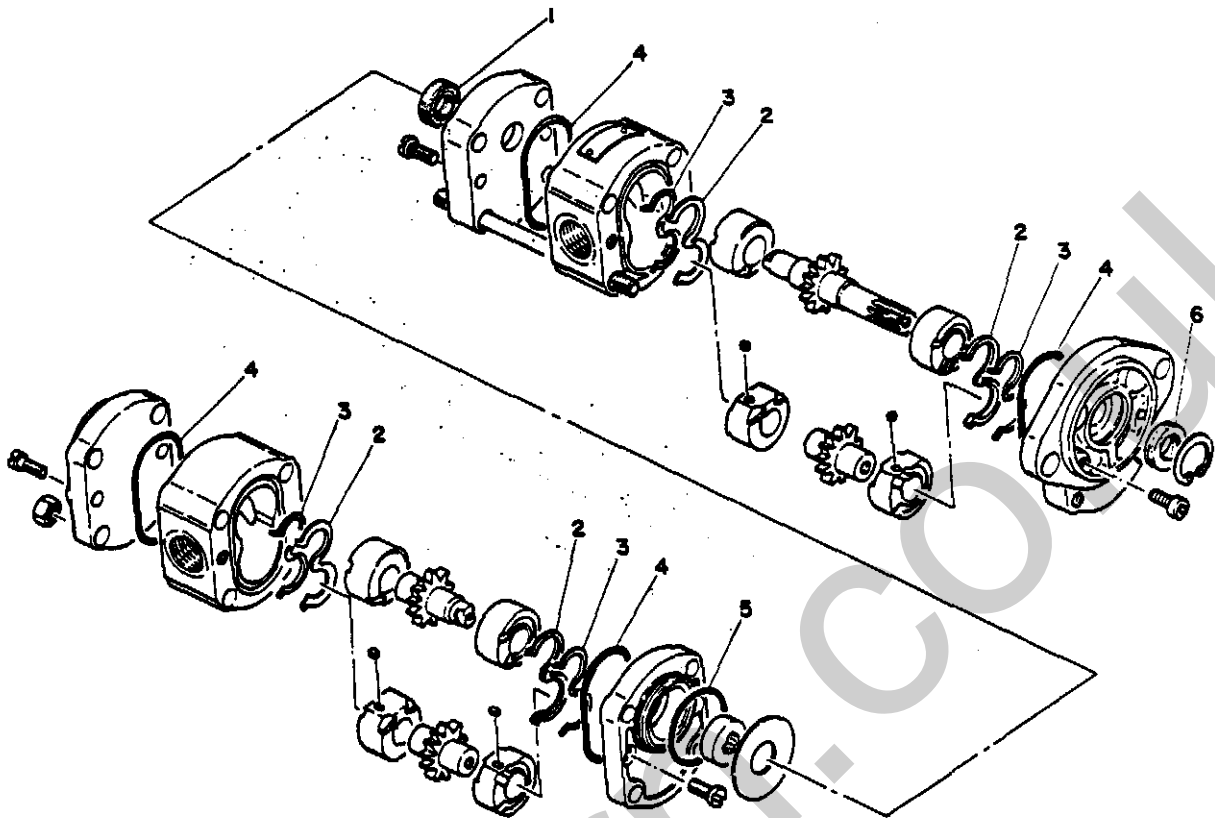
QTY	PARTS NUMBER	DESCRIPTION	REMARKS
1	19000-10100	CYLINDER ASSY	
1	19000-09999	*KIT. Seal	
2	14100-00500	*PACKING. Piston	
1	14105-35450	*PACKING. Rod	
1	14115-00350	*SEAL. Dust	
1	14211-30600	*RING. Back-up	
1	14201-10600	*O-RING	
1	14201-10650	*O-RING	
1	14200-10240	*O-RING	
1	14107-06012	*WEARING	
1	19000-10001	*ROD. Piston	
2	19000-09920	*BUSHING	
1	19000-09903	*COVER. Rod	
1	19000-09850	*HOLDER. Packing	
1	19000-09806	*PISTON	
1	19000-10107	*TUBE	
1	19000-09988	*PACKING HOLDER. Rod	
1	19000-00309	*NUT	
1	12100-00545	*PIN. Split	
1	13330-03525	*BUSHING	
1	19000-09914	*RING. Snap	
1	15000-01000	*NIPPLE. Grease	

FIG. 42 HYDRAULIC MOTOR



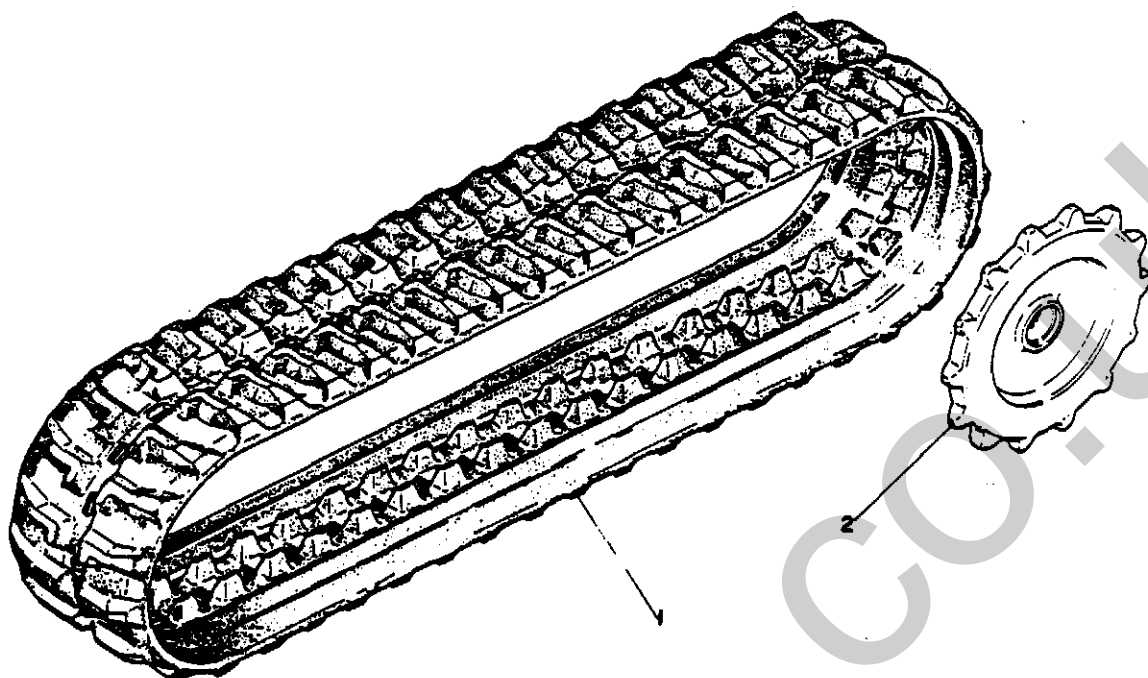
QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01	19030-03000	MOTOR ASSY. Traction	2	
02	19030-03000	MOTOR ASSY. Slew	1	
03	19030-00399	*KIT. Seal	1	
1	14201-00900	**O-RING	2	
2	*****	**O-RING	1	
3	*****	**SPACER	1	
4	*****	**X-RING	1	
5	*****	**RING, Back-up	1	
6	*****	**WIPER	1	
7	*****	**SPACER	1	

FIG. 43 HYDRAULIC PUMP



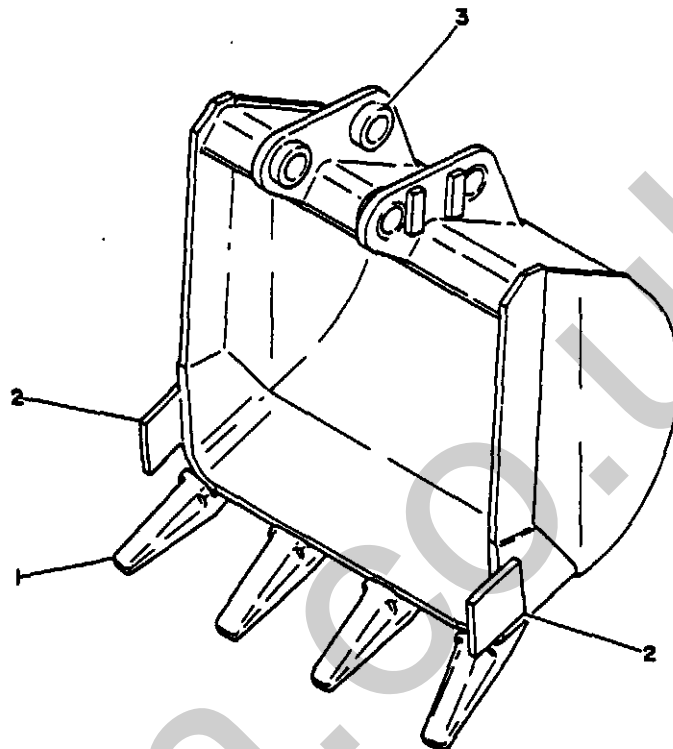
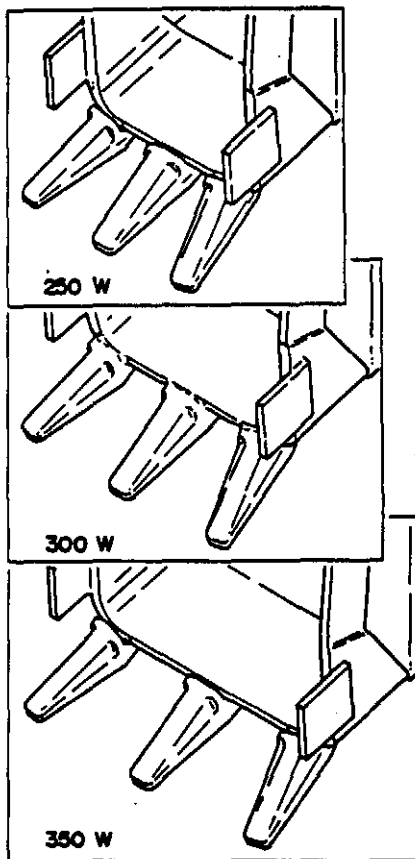
Qty	PARTS NUMBER	DESCRIPTION	REMARKS
01	19020-03500	PUMP ASSY	1
02	19020-03599	*KIT. Seal	1
1	*****	*SEAL, Oil	1
2	*****	*ELEMENT, Seal	4
3	*****	*ELEMENT, Back-up	4
4	*****	*O-RING	4
5	*****	*O-RING	1
6	*****	*SEAL, Dust	1

FIG. 44 RUBBER CRAWLER



Qty	PARTS NUMBER	DESCRIPTION	Qty	REMARKS
1	19140-11000	TRACK SHOE Rubber	2	
2	00016-11200	SPROCKET	2	811-
	00016-11100	SPROCKET	2	811-11

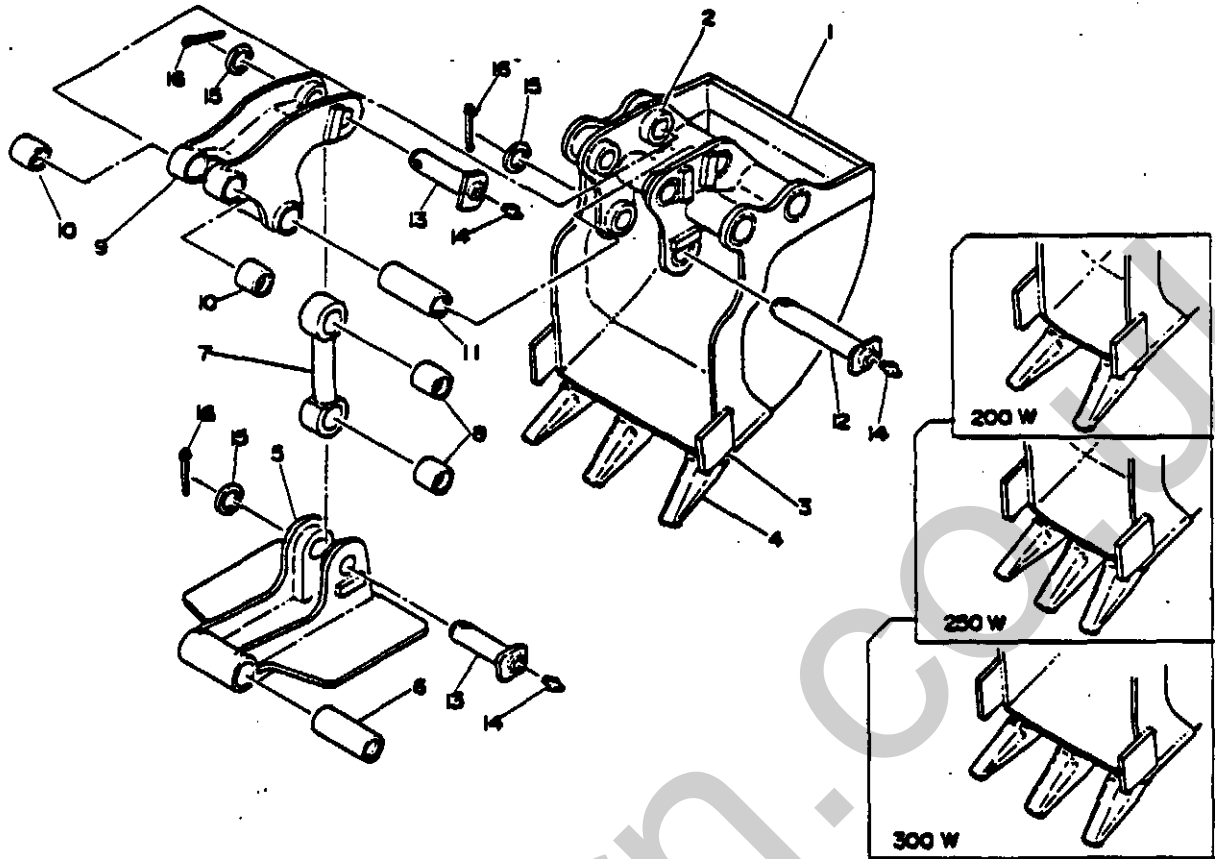
FIG. 45 BUCKET



QTY	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
1	00762-00300	BUCKET ASSY	1	
1	00762-00000	BUCKET ASSY	1	
1	00762-00100	BUCKET ASSY	1	
1	00762-00200	BUCKET	1	
3	01662-00600	*TOOTH	3	
4	01662-00600	*TOOTH	4	
2	00762-00100	*SIDE	2	
4	00029-00000	*BUSHING	4	

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FIG. 46 EJECTOR BUCKET



PARTS NUMBER	DESCRIPTION	QTY	REMARKS	PARTS NUMBER	DESCRIPTION	QTY	REMARKS
01 00002-02000	BUCKET ASSY. Ejector	1	200	9 00002-00300	ARM Link	1	
02 00002-01000	BUCKET ASSY. Ejector	1	200	10 00001-00010	BUSHING	2	
03 00002-03000	BUCKET ASSY. Ejector	1	200	11 00002-30104	BUSHING	1	
04 00002-00000	BUCKET ASSY. Ejector	1	200	12 00013-30170	PIN	1	
1 00002-02100	BUCKET	1	200	13 00002-00300	PIN	2	
00002-01100	BUCKET	1	200	14 13000-01000	WIPPLE GROSS	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 00002-30020	EJECTOR ASSY	1	200	16 12100-00045	PIN Split	3	
06 00002-30010	EJECTOR ASSY	1	200				
07 00002-30030	EJECTOR ASSY	1	200				
08 00002-30000	EJECTOR ASSY	1	200				
5 00002-02300	EJECTOR	1	200				
00002-01200	EJECTOR	1	200				
00002-02300	EJECTOR	1	200				
00002-00200	EJECTOR	1	200				
6 00023-30104	BUSHING	1					
00 00002-30001	LINE ASSY. Ejector	1					
7 00002-00400	LINE Ejector	1					
8 00021-00010	BUSHING	2					
010 00002-30002	ARM ASSY. Link	1					

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