

BROUWER

SOD HARVESTER **Model 1560** **for John Deere 5210 Tractor**

Illustrated Parts List



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BROUWER

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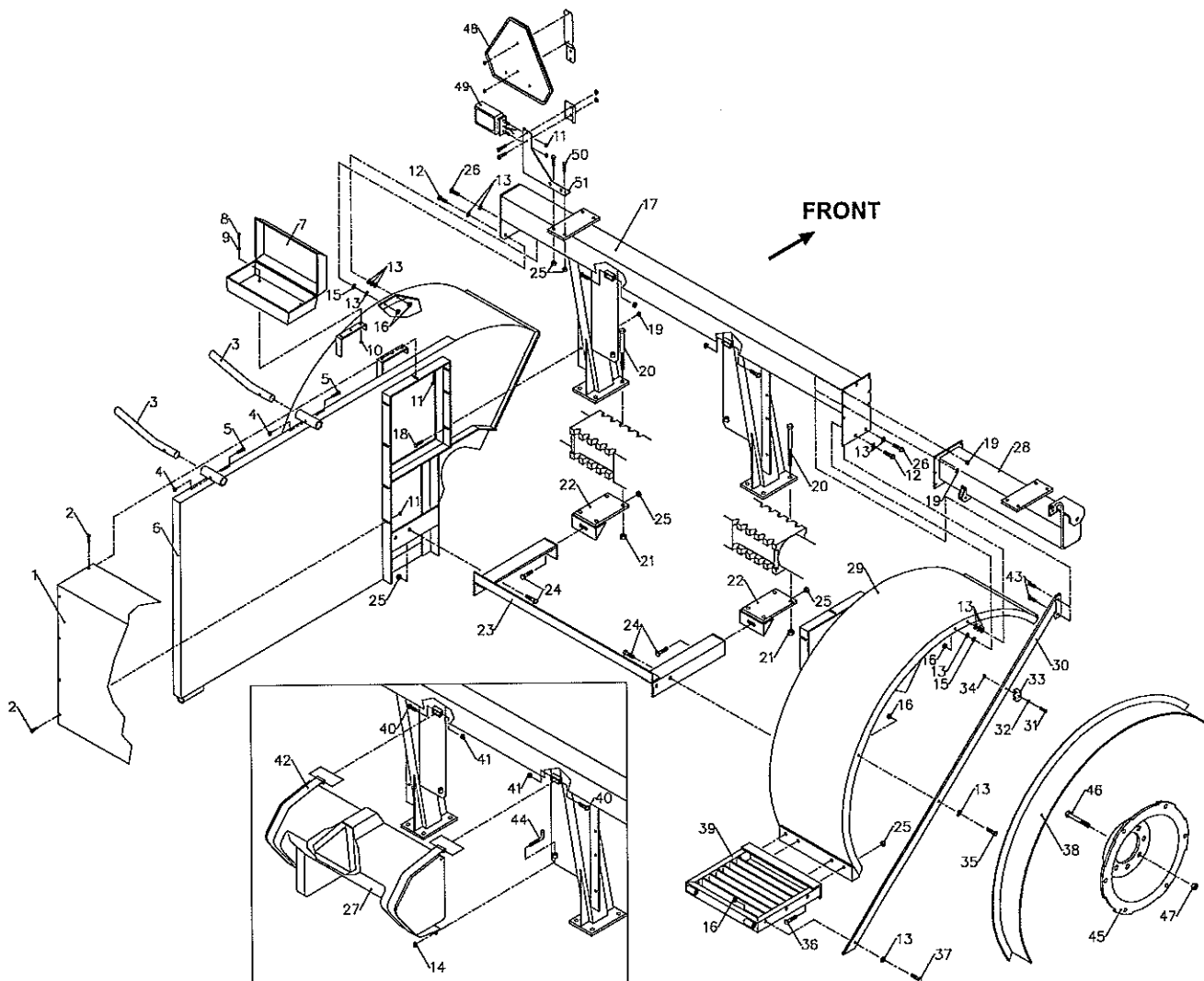
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MAIN FRAME

section 1

Main Beam, Fenders & Fuel Tank
Figure 1



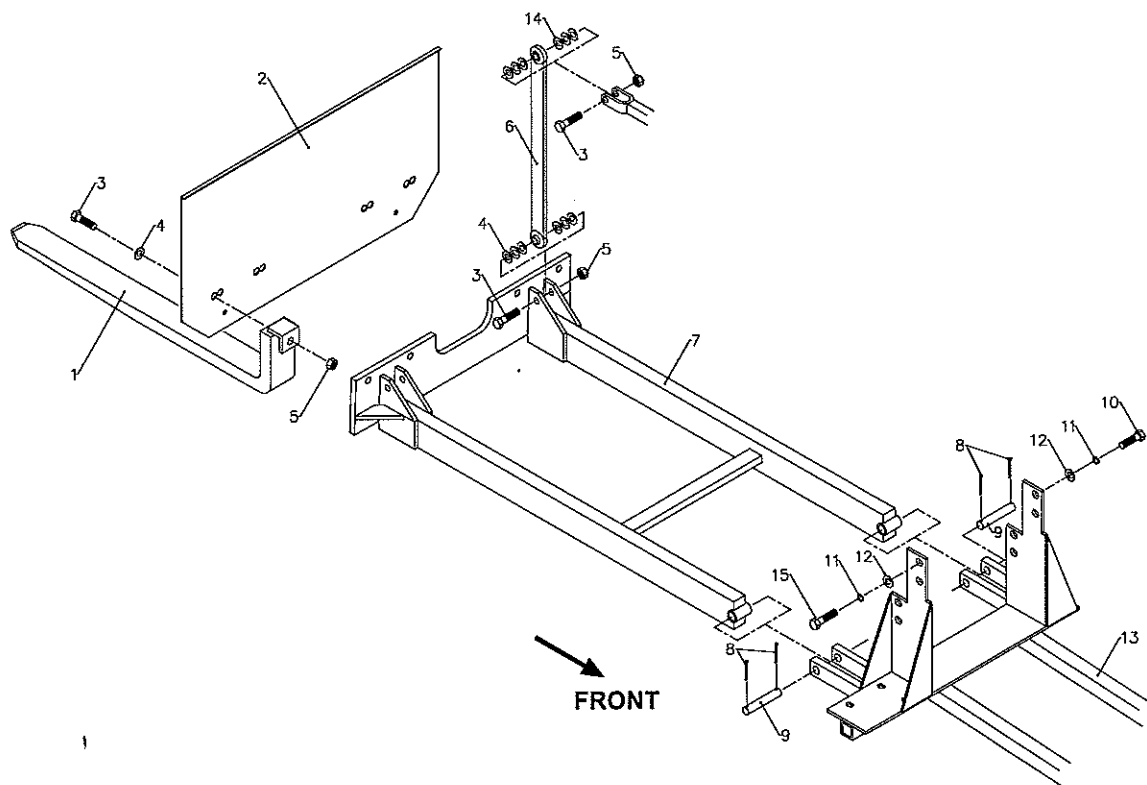
MAIN FRAME

section 1

Parts List for Figure 1

Ref.	Part No.	Description	Quantity
1	001335	PANEL, REAR SOD	1
2	99-K19	BOLT, FLANGE 5/16 X 3/4	12
3	015863	HANGER, PALLET	2
4	99-E40	LOCKNUT, NYLON 3/8	2
5	90-0618	BOLT, 3/8 X 2-1/4	2
6	6109076	FENDER, L.H.	1
7	06-061	TOOLBOX, PLASTIC	1
8	90-0406	BOLT, 1/4 X 3/4	4
9	94-04	FLAT WASHER, 1/4	4
10	99-E20	FLANGE NUT, 1/4	4
11	99-E12	FLANGE NUT, 5/16	12
12	90-0718	BOLT, 7/16 X 2-1/4	2
13	99-B52	WASHER, 1-1/32 OD X 15/32 ID	14
14	REF	NUT (JOHN DEERE PART)	2
15	94-07	FLAT WASHER, 7/16	2
16	99-E48	FLANGE NUT, 7/16	9
17	6109080	BEAM, MAIN	1
18	99-K13	BOLT, FLANGE 3/8 X 1	11
19	99-E13	FLANGE NUT, 3/8	13
20	90-1064	BOLT, 5/8 X 8	8
21	F6010	NUT, FLANGED STOVER 5/8	8
22	6109111	PLATE, MOUNTING W/A	2
23	6109092	SPACER, FENDER	1
24	90-0810	BOLT, 1/2 X 1-1/4	4
25	99-E37	FLANGE NUT, 1/2	10
26	90-0720	BOLT, 7/16 X 2-1/2	2
27	90-0610	BOLT, 3/8 X 1-1/4	2
28	6109082	BEAM EXTENSION (16/18")	1
	6109208	BEAM EXTENSION (24")	1
29	6109221	FENDER, R.H.	1
30	6109113	BRACE, PLATFORM	1
31	90-0518	BOLT, 5/16 X 2-1/4	1
32	F2056	FLAT WASHER, 5/16	1
33	G8082	CLAMP, PIPE DOUBLE 7/8 TUBE	1
34	99-E38	LOCKNUT, NYLON 5/16	1
35	90-0712	BOLT, 7/16 X 1-1/2	1
36	90-0812	BOLT, 1/2 X 1-1/2	4
37	90-0716	BOLT, 7/16 X 2	1
38	016724	EXTENSION, FENDER (RUBBER)	2
39	001712	PLATFORM, MAIN	1
40	90-0620	BOLT, 3/8 X 2-1/2	2
41	99-E40	LOCKNUT, NYLON 3/8	2
42	REF	STRAP (JOHN DEERE PART)	2
43	REF	FUEL TANK (JOHN DEERE PART)	1
44	REF	BOLT (JOHN DEERE PART)	2
45	6109180	DISH, WHEEL MODIFICATION	2
46	99-K90	STUD, WHEEL 5/8 X 2-1/8	16
47	99-E61	NUT, WHEEL 5/8	16
48	47-141	EMBLEM, SMV MOUNT (INCL. BRACKETS & HARDWARE)	1
49	002287 (REF)	FLASHER ASSEMBLY (SEE FIG. 48, REF. 30)	
50	99-K85	BOLT, FLANGE 1/2 X 1-1/4	2
51	6109261	MOUNT, SMV FLASHER	1

Fork Frame
Figure 2



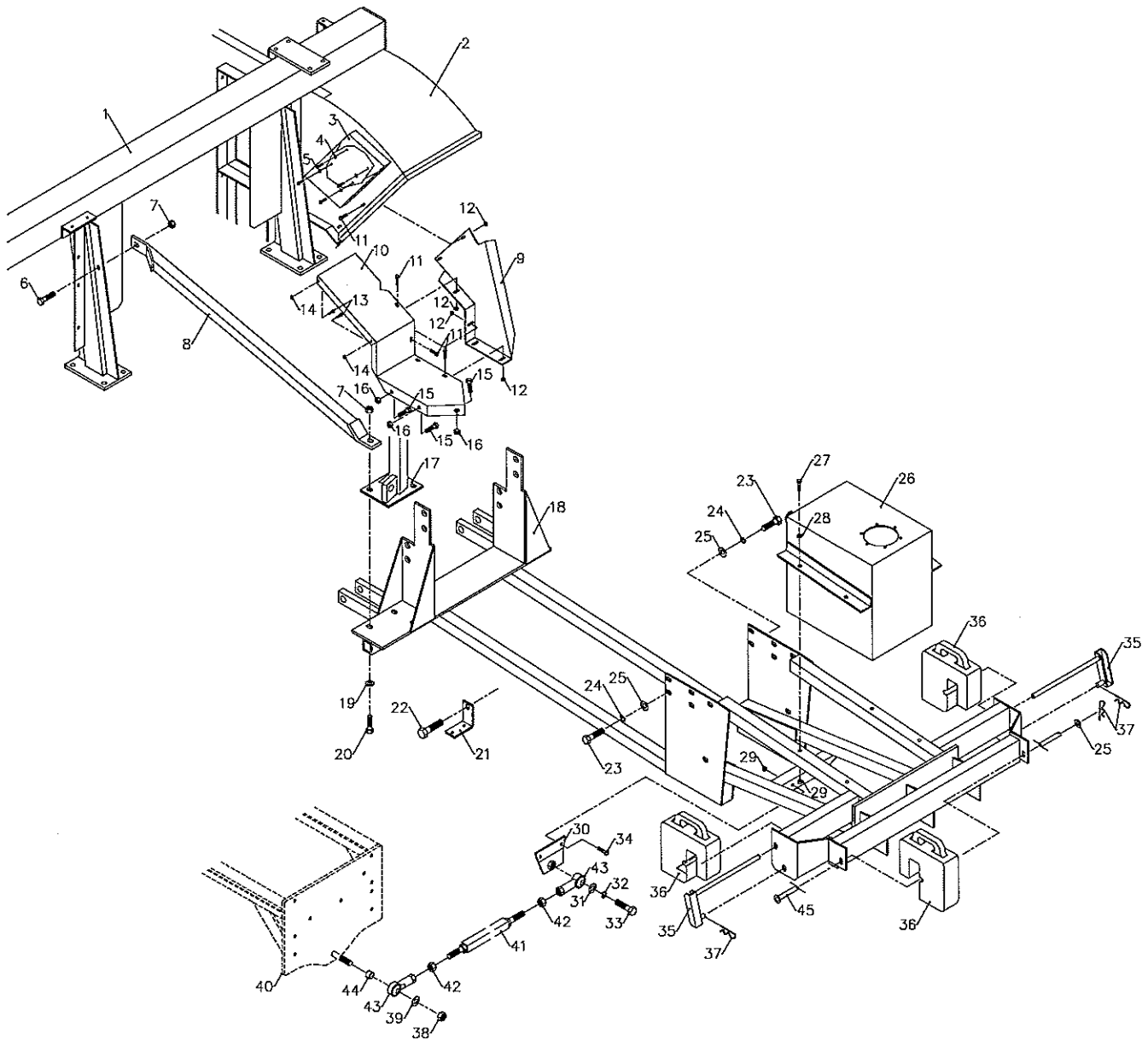
MAIN FRAME

section 1

Parts List for Figure 2

<u>Ref.</u>	<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
1	014055	FORK, HARVESTER W/ ANGLE HOOK	2
2	6109114	SHIELD, FORK	1
3	90-1232	BOLT, 3/4 X 4	6
4	95-12	FLAT WASHER, 3/4 SAE	2
5	99-A12	LOCKNUT, STOVER 3/4	6
6	6109029	LINK, LIFT - W/A	2
7	6109090	FRAME, FORK	1
8	02-CP0612	COTTER PIN, 3/16 X 1-1/2	4
9	001797	PIN, PIVOT 1 X 5-1/2	2
10	07-2025050	METRIC BOLT, M20-2.50 X 50	6
11	07-C20	LOCKWASHER, 20MM	8
12	94-12	FLAT WASHER, 3/4	8
13	6109100 (REF)	FRAME, TANK (SEE FIGURE 3)	
14	95-12	FLAT WASHER, 3/4 SAE	A/R
15	07-2025065	METRIC BOLT, M20-2.50 X 65	2

Tank Frame & Weights
Figure 3



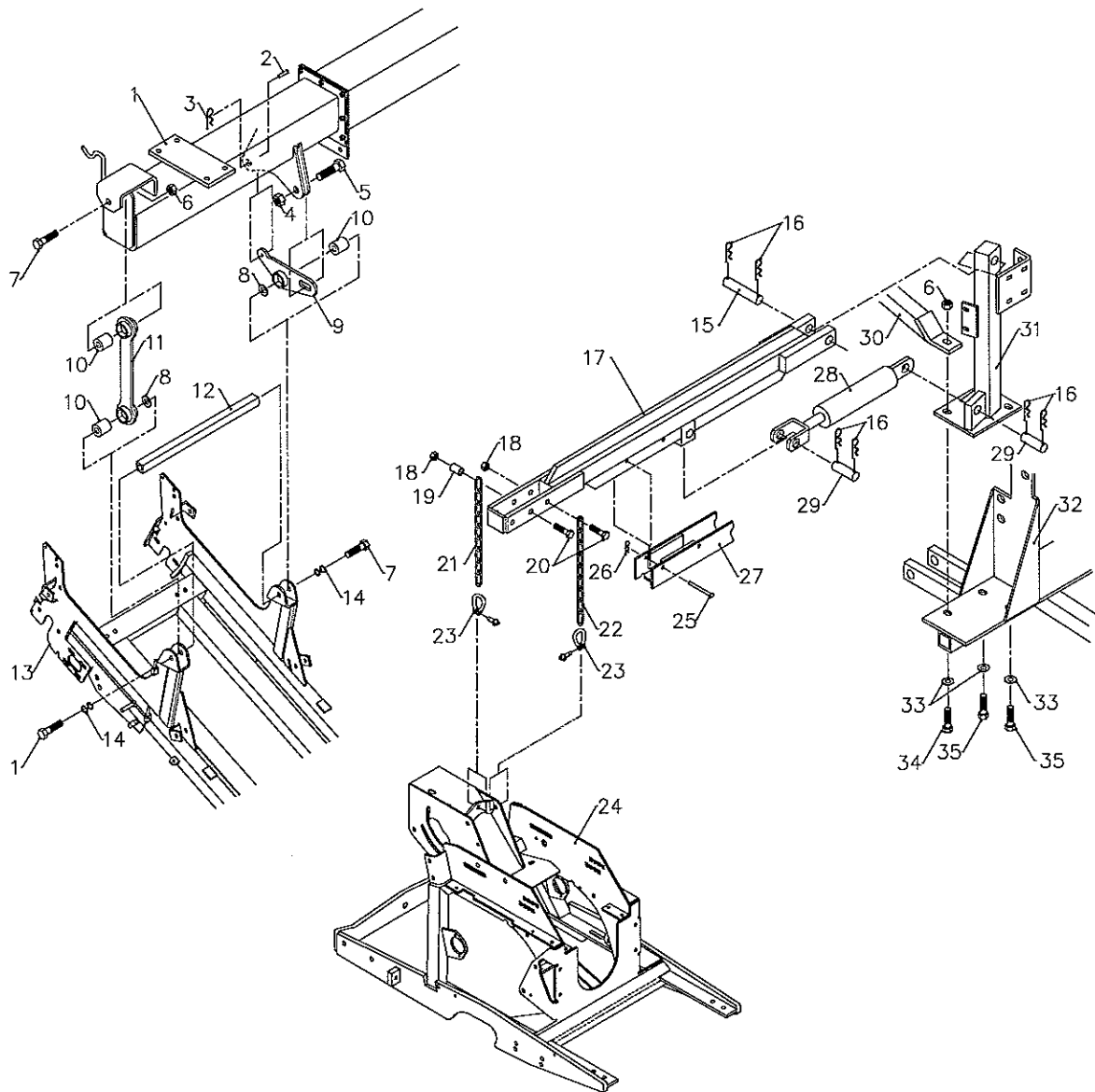
MAIN FRAME

section 1

Parts List for Figure 3

Ref.	Part No.	Description	Quantity
1	6109080 (REF)	BEAM, MAIN (SEE FIG. 1)	
2	6109076 (REF)	FENDER, L.H. (SEE FIG. 1)	
3	M5274	CASE, MANUAL 8-1/2 X 11 BLACK	1
4	94-04	FLAT WASHER, 1/4	4
5	90-0406	BOLT, 1/4 X 3/4	4
6	90-1012	BOLT, 5/8 X 1-1/2	1
7	F6010	NUT, FLANGED STOVER 5/8	2
8	6109105	SUPPORT, MAIN BEAM	1
9	6109049	WALL, INNER FENDER	1
10	6109050	PANEL, FENDER ACCESS	1
11	99-K19	BOLT, FLANGE 5/16 X 3/4	6
12	92-05	NUT, 5/16	6
13	99-K31	BOLT, FLANGE 1/4 X 1/2	2
14	92-04	NUT, 1/4	2
15	90-0812	BOLT, 1/2 X 1-1/2	3
16	99-E37	FLANGE NUT, 1/2	3
17	6109051 (REF)	STAND, LIFT (SEE FIG. 4)	
18	6109100	FRAME, TANK	1
19	94-10 (REF)	FLAT WASHER, 5/8 (SEE FIG. 4)	
20	90-1016 (REF)	BOLT, 5/8 X 2 (SEE FIG. 4)	
21	6109148	BRACKET, HOSE MOUNT	1
22	07-1620035	METRIC BOLT, M16 - 2.00 X 35	1
23	90-1212	BOLT, 3/4 X 1-1/2	8
24	96-10	LOCK WASHER, 5/8	8
25	94-10	FLAT WASHER, 5/8	9
26	6109096	TANK, HYDRAULIC	1
27	90-0624	BOLT, 3/8 X 3	4
28	94-06	FLAT WASHER, 3/8	4
29	99-E13	FLANGE NUT, 3/8	6
30	002036	MOUNT, TRACK ROD	1
31	94-12	FLAT WASHER, 3/4	1
32	96-12	LOCK WASHER, 3/4	1
33	90-1216	BOLT, 3/4 X 2	1
34	99-K13	BOLT, FLANGE 3/8 X 1	2
35	6115259	ROD, WEIGHT SECURITY (OPTIONAL AFTER SN 4286)	2
36	62-540	WEIGHT, 50# TRACTOR BALLAST (PRIOR TO SN 4286)	20
	62-540	WEIGHT, 50# TRACTOR BALLAST (SN 4286 & UP)	12
37	02-PP0420	PRESTO PIN, 1/8 X 2-9/16 (PRIOR TO SN 4286)	3
	02-PP0420	PRESTO PIN, 1/8 X 2-9/16 (SN 4286 & UP)	1
38	99-E43	LOCKNUT, NYLON 3/4	1
39	95-12	FLAT WASHER, 3/4 SAE	1
40	016292 (REF)	FRAME, CUTTING HEAD CRADLE (SEE FIG. 5)	
	A03351	ASSEMBLY, TRACK ROD (16/18")	
	A03352	ASSEMBLY, TRACK ROD (24")	
41	014761	TRACK ROD, 16/18"	1
	014764	TRACK ROD, 24"	1
42	99-E27	JAM NUT, 3/4 NF	2
43	M0310	ROD END, 3/4 FEMALE	2
44	015630	SPACER	1
45	6109117	ROD, WEIGHT RETAINER	1

Hangers & Lift Arm
Figure 4



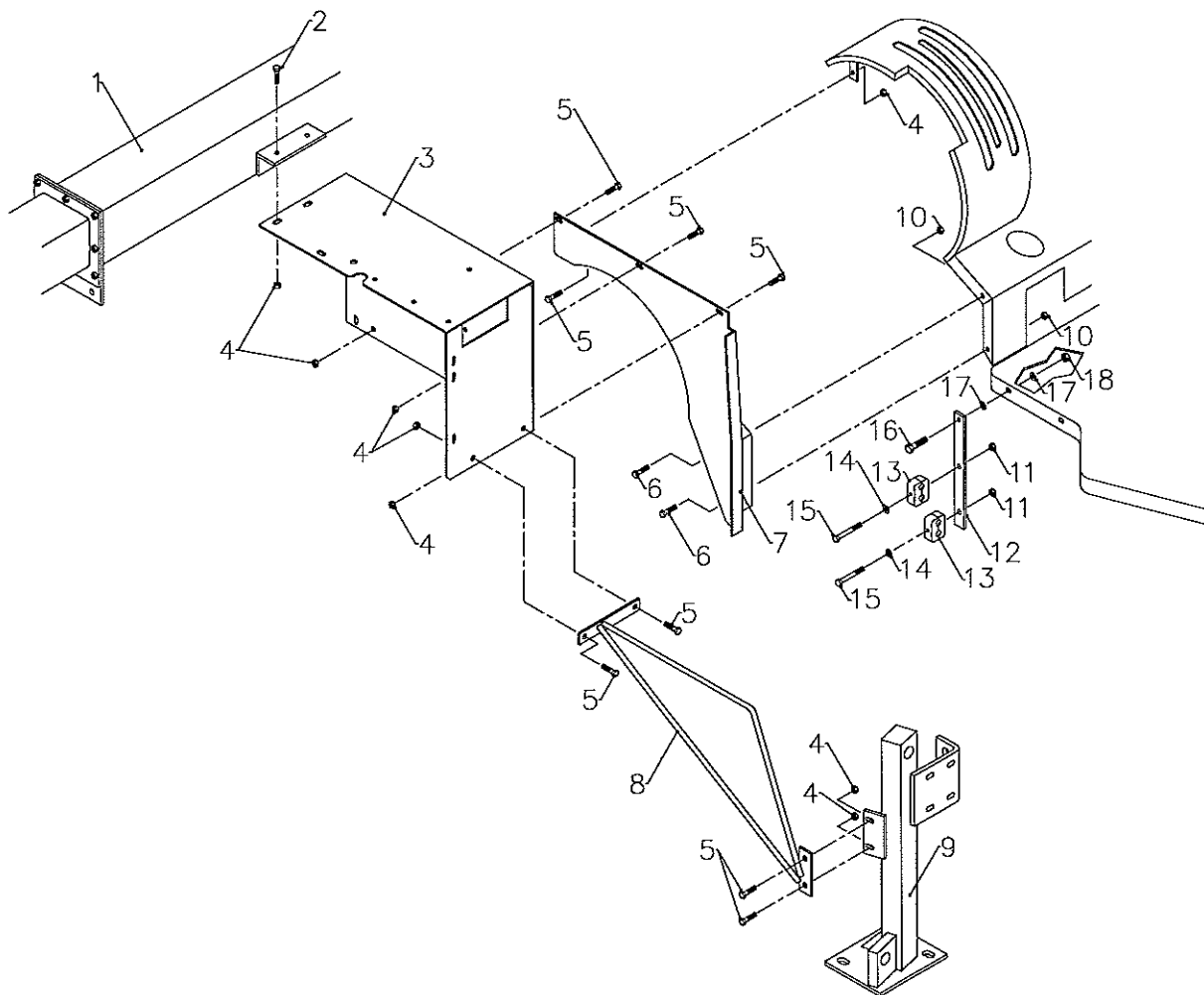
MAIN FRAME

section 1

Parts List for Figure 4

Ref.	Part No.	Description	Quantity
1	REF	BEAM EXTENSION (SEE FIG. 1, REF. 28)	
2	03-0510	CLEVIS PIN, 5/16 X 1-1/4	1
3	G2510	PIN, HITCH CLIP	1
4	F6010	NUT, FLANGED STOVER 3/4	1
5	90-1216	BOLT, 3/4 X 2	1
6	F6010	NUT, FLANGED STOVER 5/8	3
7	90-1024	BOLT, 5/8 X 3	3
8	F6051	FLAT WASHER, 5/8	A/R
9	016368	SUPPORT, INNER HANGER	1
10	S8009	ISOLATOR, CENTER BONDED	3
11	6109085	LINK, HANGER	1
12	016628	MOUNT, CONVEYOR	1
13	016392 (REF)	FRAME, CONVEYOR (SEE SECTION 3)	
14	F6076	WASHER, DISC LOCK 5/8	4
15	001419	PIN, LIFT ARM	1
16	G2501	PIN, HITCH CLIP #8	6
17	001353	LIFT ARM	1
18	99-E41	LOCKNUT, NYLON 1/2	2
19	002448	SPACER, 1560 LIFT CHAIN	1
20	90-0832	BOLT, 1/2 X 4	2
21	016715	CHAIN, LIFT	1
22	002449	CHAIN, 1560 SAFETY	1
23	G8003	SHACKEL, ANCHOR 3/8"	2
24	002001 (REF)	FRAME, CUTTING HEAD 16/18" (SEE FIG. 6, REF. 1)	
	002004 (REF)	FRAME, CUTTING HEAD 24"	
25	03-0526	CLEVIS PIN, 5/16 X 3-1/4	2
26	G2503	PIN, HITCH CLIP	2
27	002224	SUPPORT, LIFT SAFETY	1
28	016620	CYLINDER, CONVEYOR LIFT 3-1/2"	1
	E3045	SEAL KIT	1
	21-115	O-RING SEAL	1
29	5106480	PIN, CYLINDER 1" X 3"	2
30	6109105 (REF)	SUPPORT, MAIN BEAM (SEE FIG. 3)	
31	6109051	STAND, LIFT	1
32	6109100 (REF)	FRAME, TANK (SEE FIG. 3)	
33	94-10	FLAT WASHER, 5/8	3
34	90-1016	BOLT, 5/8 X 2	1
35	90-1012	BOLT, 5/8 X 1-1/2	2

Control Panel and Shields
Figure 4A



MAIN FRAME

section 1

Parts List for Figure 4A

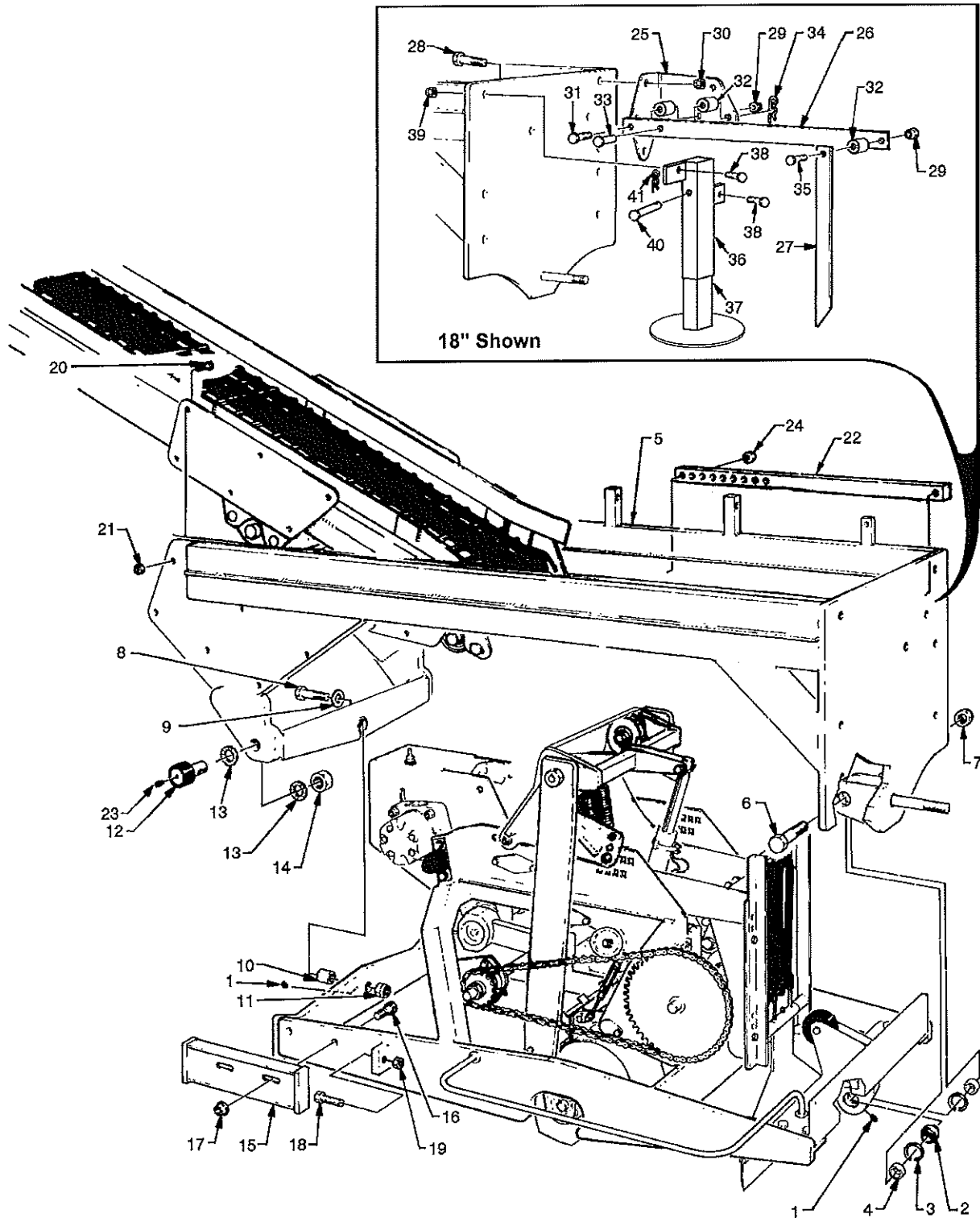
<u>Ref.</u>	<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
1	6109080 (REF)	BEAM, MAIN (SEE FIG. 1)	
2	90-0510	BOLT, 5/16 X 1-1/4	2
3	6109112	PANEL, CONTROL W/A	1
4	99-E12	FLANGE NUT, 5/16	12
5	99-K19	BOLT, FLANGE 5/16 X 3/4	8
6	90-0404	BOLT, 1/4 X 1/2	2
7	6109119	VALVE SHIELD W/A	1
8	6109046	ROD, DRIVER CONSTRAINT W/A	1
9	6109051	STAND, LIFT	1
10	99-E20	FLANGE NUT, 1/4	2
11	F2014	NUT, STOVER FLANGE 5/16	2
12	6115449	HOSE BRACKET	1
13	G8081	CLAMP. PIPE DOUBLE 7/8 TUBE	2
14	95-05	FLAT WASHER, 5/16 SAE	2
15	90-0518	BOLT, 5/16 X 2-1/4	2
16	90-0614	BOLT, 3/8 X 1-3/4	1
17	94-06	FLAT WASHER, 3/8	2
18	99-E40	LOCKNUT, NYLON 3/8	1

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CUTTING HEAD

section 2

Floating Head & Cradle
Figure 5



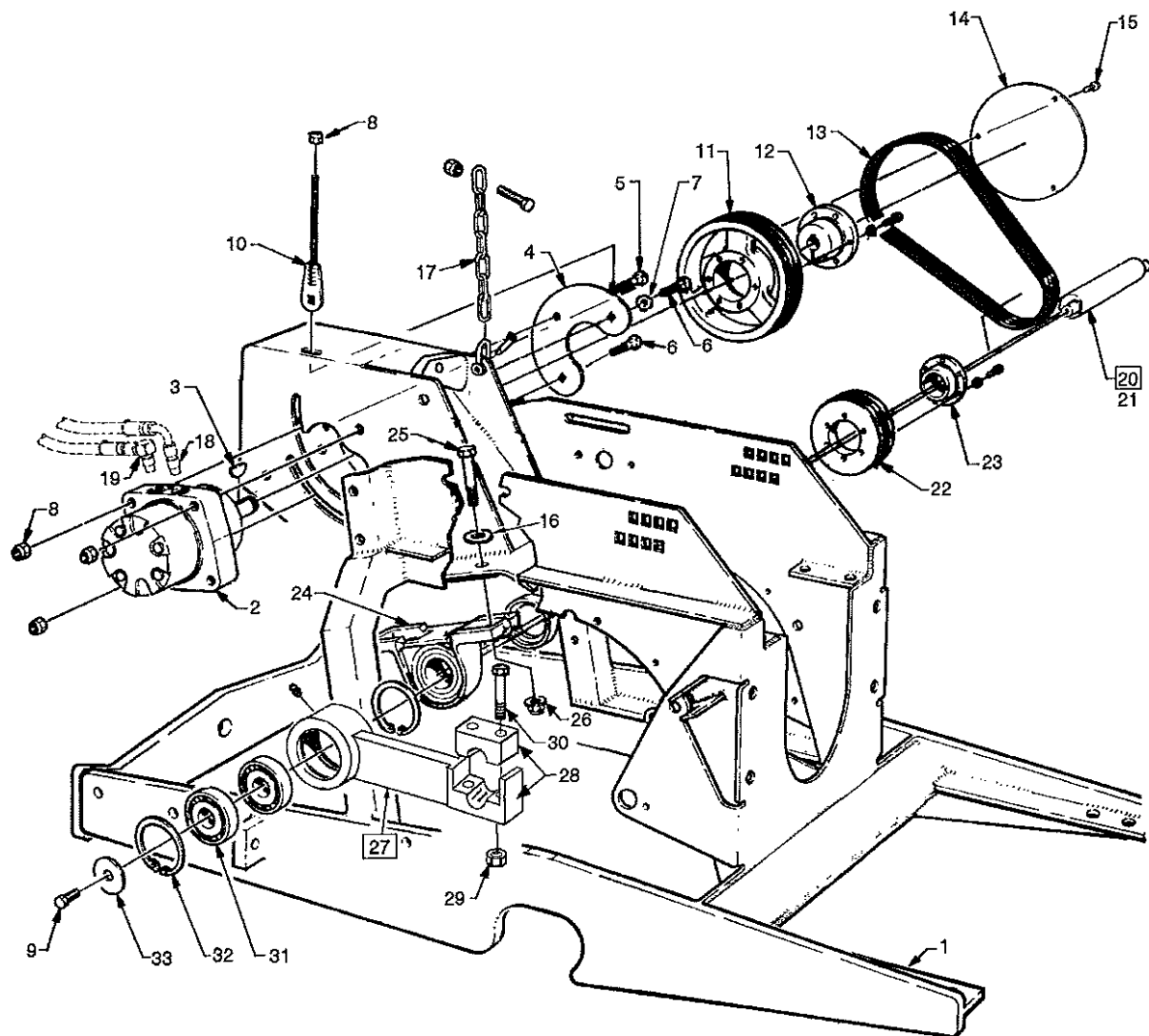
CUTTING HEAD

section 2

Parts List for Figure 5

Ref.	Part No.	Description	Quantity
1	29-010	GREASE FITTING, 1/4	2
2	B8041	BEARING, SPHERICAL PLAIN 1"	1
3	G1007	RETAINING RING, INTERNAL 1-5/8	2
4	016376	SPACER, FRONT BALL	2
5	016292	FRAME, CUTTING HEAD CRADLE 16/18"	1
	016595	FRAME, CUTTING HEAD CRADLE 24"	1
6	91-1632	BOLT, 1-14 X 4 NF	1
7	99-E04	LOCKNUT, NYLON 1-14 NF	1
8	90-1228	BOLT, 3/4 X 3-1/2	1
9	95-12	FLAT WASHER, 3/4 SAE	1
10	002248	BUSHING, PIVOT	1
11	99-A12	LOCKNUT, STOVER 3/4	1
12	B8015	BEARING, CAMROLL AND STUD	2
13	F8054	WASHER, DISC LOCK	4
14	F8009	NUT, HEX 1-1/8	2
15	016401	BLOCK, CAM FOLLOWER THRUST	2
16	90-0812	BOLT, 1/2 X 1-1/2	4
17	F5018	NUT, FLANGED STOVER LOCK 1/2	4
18	F5707	SCREW, FULL THREAD, HEX CAP 1/2 X 3	2
19	99-E10	JAM NUT, 1/2	2
20	90-0812	BOLT, 1/2 X 1-1/2 (RUBBER MAT)	12
	90-0812	BOLT, 1/2 X 1-1/2 (MINTEX MAT)	8
21	F5018	NUT, FLANGED STOVER LOCK 1/2	12
22	016652	BAR, DEPTH ADJUSTMENT	1
23	M0010	FITTING, GREASE	2
24	F3013	NUT, FLANGED STOVER LOCK 3/8	2
	A03923	KIT, MANUAL STEERING 1560	1
25	016512	BRACKET, DRIVERS GUIDE	1
26	016513	BAR, DRIVER GUIDE SUPPORT	1
27	016514	BAR, DRIVERS GUIDE	1
28	90-0812	BOLT, 1/2 X 1-1/2	3
29	F5018	NUT, FLANGED STOVER LOCK 1/2	2
30	99-E37	FLANGE NUT, 1/2	3
31	90-0820	BOLT, 1/2 X 2-1/2	1
32	014113	SPACER, 1" (16")	4
		SPACER, 1" (18")	3
33	G2022	CLEVIS PIN, 1/2	1
34	G2503	PIN, HITCH CLIP	1
35	90-0830	BOLT, 1/2 X 3-3/4 (16")	1
	90-0820	BOLT, 1/2 X 2-1/2 (18")	1
36	002502	STAND, UPPER	1
37	002506	STAND, BASE	1
38	90-0814	BOLT, 1/2 X 1-3/4	2
39	F5018	STOVER LOCKNUT, 1/2	2
40	03-0820	CLEVIS PIN, 1/2 X 2-1/2	1
41	02-PP0524	PRESTO PIN, 3/8 X 2-15/16	1

Cutting Head Drive
Figure 6



CUTTING HEAD

section 2

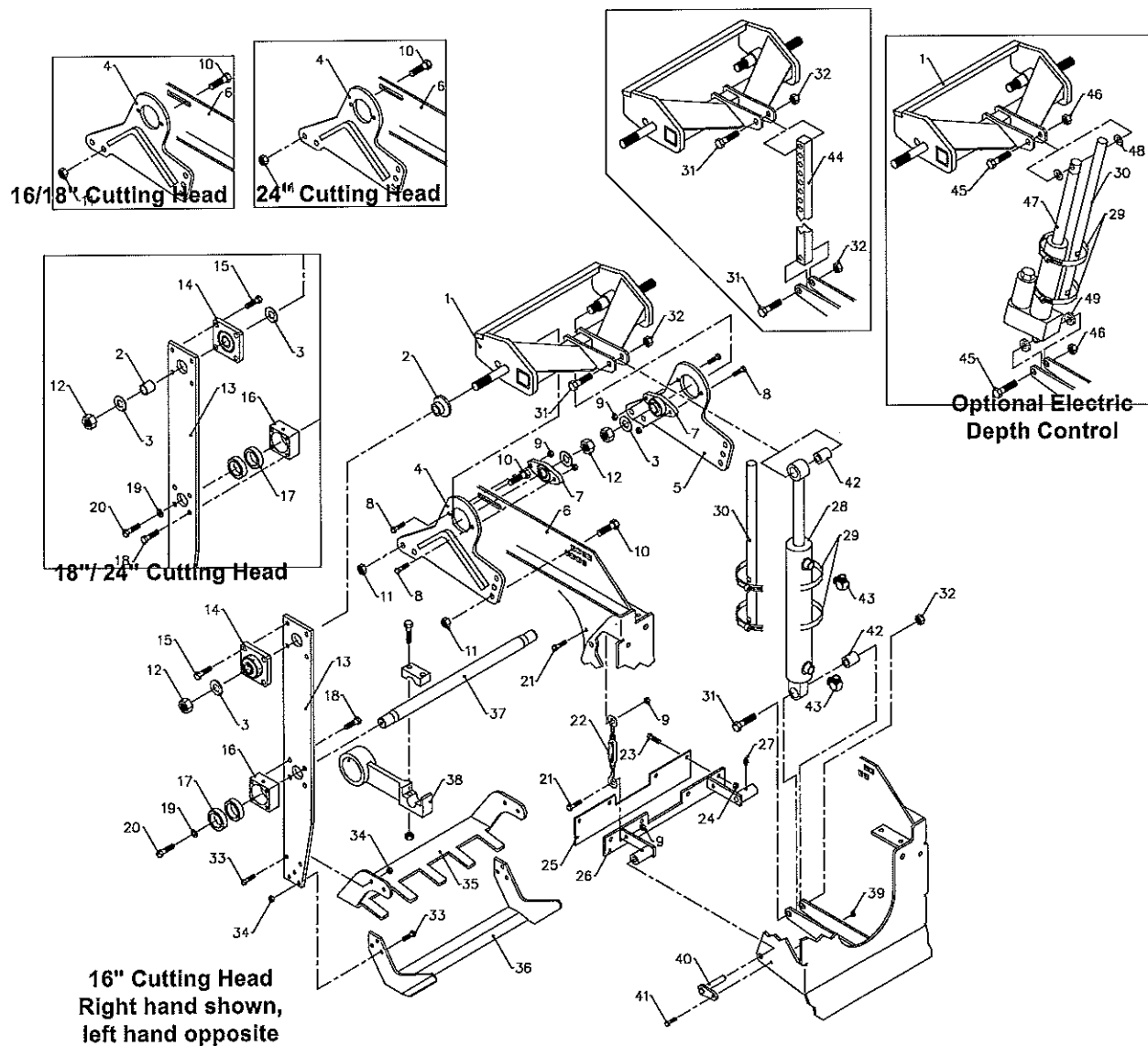
Parts List for Figure 6

Ref.	Part No.	Description	Quantity
1	002001	FRAME, CUTTING HEAD 16/18"	1
	002004	FRAME, CUTTING HEAD 24"	1
2	21-091	MOTOR, HYDRAULIC CUTTER	1
	E3046	KIT, SEAL FOR HYDRAULIC MOTOR	1
3	G8019	KEY, WOODRUFF 1/4 X 1	1
4	016295	SCRAPER, MOTOR SHEAVE	1
5	F5102	BOLT, CARRIAGE 1/2 X 3	1
6	F5104	BOLT, CARRIAGE 1/2 X 2-3/4	2
7	94-10	WASHER, FLAT 5/8	1
8	F5018	NUT, FLANGED STOVER LOCK 1/2	4
9	99-K61	BOLT, FLANGE 3/8 X 1/2	2
10	016296	TENSIONER, DRIVE MOTOR	1
11	D2704	SHEAVE, TAPER LOCK	1
12	D3029	BUSHING, SPLIT TAPER LOCK	1
	F2718	SCREW, HEX CAP 5/16 X 2	3
	96-05	LOCKWASHER, 5/16	3
13	81-3-3VX400	BELT, V	1
14	016228	PLATE, MOTOR COVER	1
15	99-K61	BOLT, FLANGE 3/8 X 1/2	3
16	002222	CRANKSHAFT BEARING MOUNT WASHER	4
17	002449 (REF)	CHAIN, SAFETY (SEE PAGE 2-8, REF. 43)	1
18	25-0503-10-10	FITTING, STR -10 M ORB/-10 M JIC	1
19	H6192	FITTING, ELBOW 90 DEG F #10 JIC	1
20	A03589	ASSEMBLY, CRANKSHAFT 16/18"	1
	A03590	ASSEMBLY, CRANKSHAFT 24"	1
21	001287	CRANKSHAFT, STANDARD 16/18"	1
	001288	CRANKSHAFT, 24"	1
22	D2705	SHEAVE, TAPER LOCK	1
23	D3042	BUSHING, SPLIT TAPER LOCK:	1
	F1713	SCREW, HEX CAP 1/4 X 1-1/4	3
	96-04	LOCKWASHER, 1/4	3
24	B1120	BEARING, PILLOW BLOCK 2"	2
25	90-1018	BOLT, 5/8 X 2-1/4	4
26	F6010	NUT, FLANGED STOVER 5/8	4
27	A03008	ASSEMBLY, CONNECTING ROD	2
28	001692	SPLIT CONNECTING ROD	1
	29-010	GREASE FITTING, 1/4	1
29	F4008	NUT, FLANGED STOVER 7/16	2
30	F4216	BOLT, 7/16 X 2-3/4	2
31	B2015	BEARING, BALL	2
32	G1002	RETAINING RING, INTERNAL	2
33	99-B16	WASHER, FENDER 3/8 X 1-1/2	2

CUTTING HEAD

section 2

Cutting Blade Arms & Depth Control
Figure 7



Parts List for Figure 7

Ref.	Part No.	Description	Quantity
1	002398	CRANK, HYDRAULIC DEPTH ADJUST. 16/18"	1
	002399	CRANK, HYDRAULIC DEPTH ADJUST. 24"	1
	002218	CRANK, ELEC. DEPTH ADJUST. 16/18" (OPTIONAL)	1
	002219	CRANK, ELEC. DEPTH ADJUST. 24" (OPTIONAL)	1
2	016999	BUSHING, CUTTER ARM	2
	002386	SPACER, CUTTER ARM (16")	2
3	99-B20	WASHER, MACHINE 3/4 ID 14 GA.	A/R
4	002317	GUIDE, DEPTH ADJUST. RH	1
5	002318	GUIDE, DEPTH ADJUST. LH	1
6	REF	FRAME, CUTTER HEAD (SEE FIG. 6, REF. 1)	
7	6550003	BEARING, 2-BOLT FLANGE 1"	2

CUTTING HEAD

section 2

Parts List for Figure 7

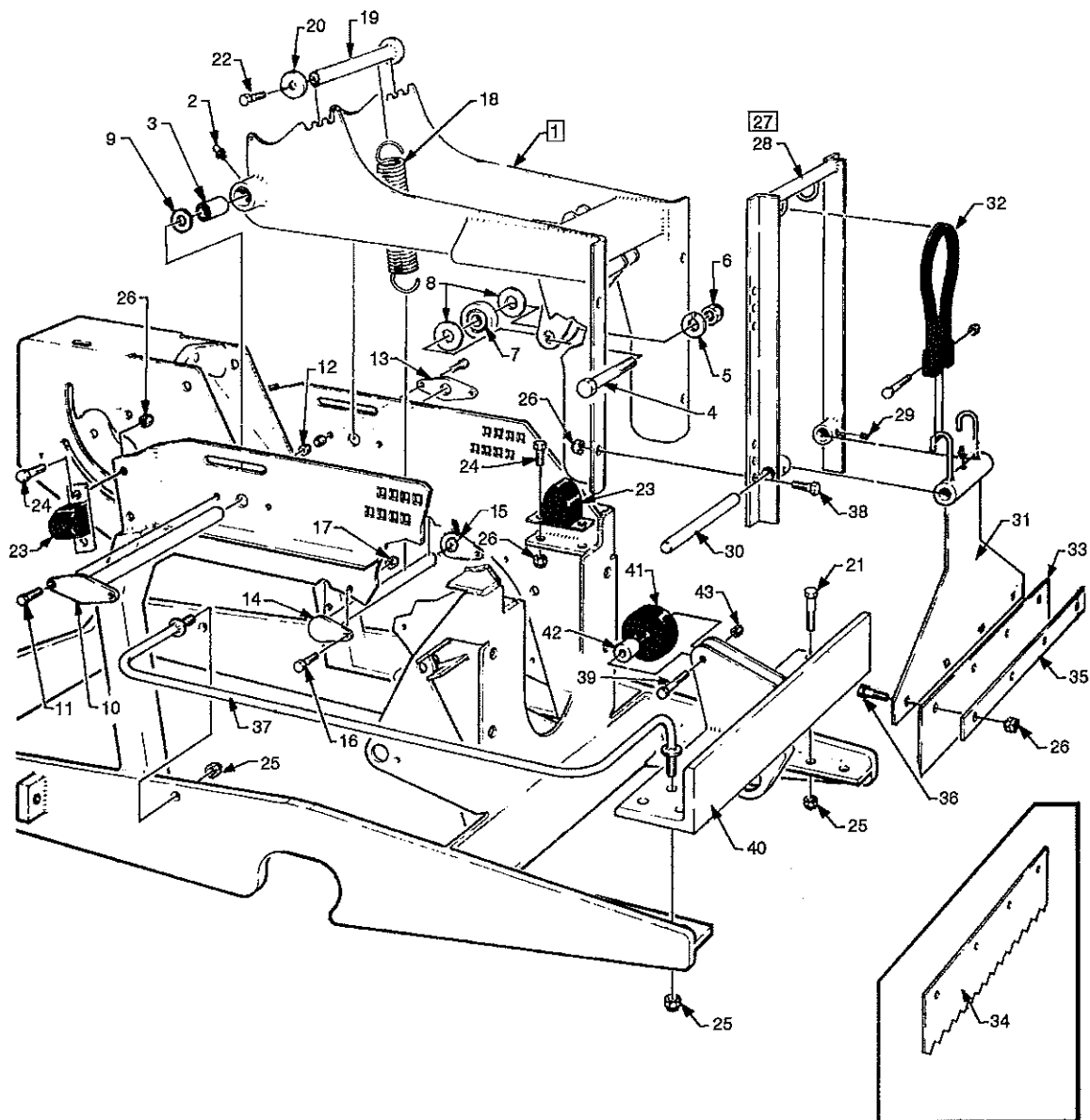
Ref.	Part No.	Description	Quantity
8	99-K62	BOLT, FLANGE 5/16 X 1-1/4	4
9	F2014	NUT, STOVER FLANGE 5/16	6
10	97-0812	CARRIAGE BOLT, 1/2 X 1-1/2	4
11	F5018	NUT, STOVER FLANGE 1/2	4
12	99-A12	LOCKNUT, STOVER 3/4	4
13	016977	CUTTER ARM, 8" ROLLER	2
	002262	CUTTER ARM, 10" ROLLER	2
14	55-HCFS204-12	BEARING, 4-BOLT FLANGE 3/4	2
15	99-K13	BOLT, FLANGE 3/8 X 1	8
16	001281	WRISTSHAFT MOUNTING BLOCK	2
17	B2014	BEARING, BALL 25mm	4
18	99-K22	BOLT, FLANGE 3/8 X 1-1/4	8
19	99-B16	WASHER, FENDER 3/8 X 1-1/2 OD (16")	2
	95-06	WASHER, FLAT 3/8 SAE (18")	2
20	99-K61	BOLT, FLANGE 3/8 X 1/2	2
21	99-K02	BOLT, FLANGE 5/16 X 1	4
22	A03690	TURNBUCKLE ASSEMBLY	2
23	99-K19	BOLT, FLANGE 5/16 X 3/4	4
24	99-E12	FLANGE NUT, 5/16	4
25	002417	BLADE, 16" SCRAPER	1
	002418	BLADE, 18" SCRAPER	1
	002419	BLADE, 24" SCRAPER	1
26	002422	SCRAPER BLADE HOLDER 16/18"	1
	002423	SCRAPER BLADE HOLDER 24"	1
27	29-010	GREASE FITTING, 1/4	2
28	23-131	CYLINDER, 3" BORE 8" STROKE	1
29	11-020	CLAMP, HOSE 4-1/2" DIA.	2
30	002447	ROD, DEPTH INDICATOR	1
	00-267	DECAL, CUTTERHEAD DEPTH INDICATOR	1
31	90-0824	BOLT, 1/2 X 3	2
32	99-A08	LOCKNUT, STOVER 1/2	2
33	515011	BOLT, 5/16 X 1 NF GR. 9	10
34	F2002	NUT, 5/16 NF GR. 9	10
35	002403	SOD GUIDE, 16"	1
	002404	SOD GUIDE, 18"	1
	002405	SOD GUIDE, 24"	1
36	015638	CUTTING BLADE 16"	1
	015639	CUTTING BLADE 18"	1
	015640	CUTTING BLADE, 24"	1
37	001525	WRISTSHAFT, 16"	1
	001526	WRISTSHAFT, 18"	1
	001527	WRISTSHAFT, 24"	1
38	REF	SPLIT CONNECTING ROD (SEE FIG. 6, REF. 28)	
39	99-E20	FLANGE NUT, 1/4	2
40	016304	SHAFT, SCRAPER BLADE PIVOT	2
41	99-K27	BOLT, FLANGE 1/4 X 1	2
42	002397	BUSHING	2
43	25-2503-6-6	FITTING, 90 -6 M ORB X -6 M JIC	2
44	016652	BAR, DEPTH ADJUSTMENT (MANUAL DEPTH CONTR.)	1
45	90-0820	BOLT, 1/2 X 2-1/2	2
46	99-E41	LOCKNUT, NYLON 1/2	2
47	002391	ACTUATOR, MODIFIED	1
48	94-08	FLAT WASHER, 1/2	2
49	99-B12	WASHER, 1/4 X 17/32 X 1-1/8	2
*	002409	WIRE, DEPTH CONTROL SWITCH	1
*	016184	WIRE HARNESS, DEPTH CONTROL	1
*	J0036	SWITCH, TOGGLE MOM. ON/OFF/ON	1
*	J9505	BOOT NUT KIT	1

* Not Illustrated

CUTTING HEAD

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**Cutoff Assembly
Figure 8**



CUTTING HEAD

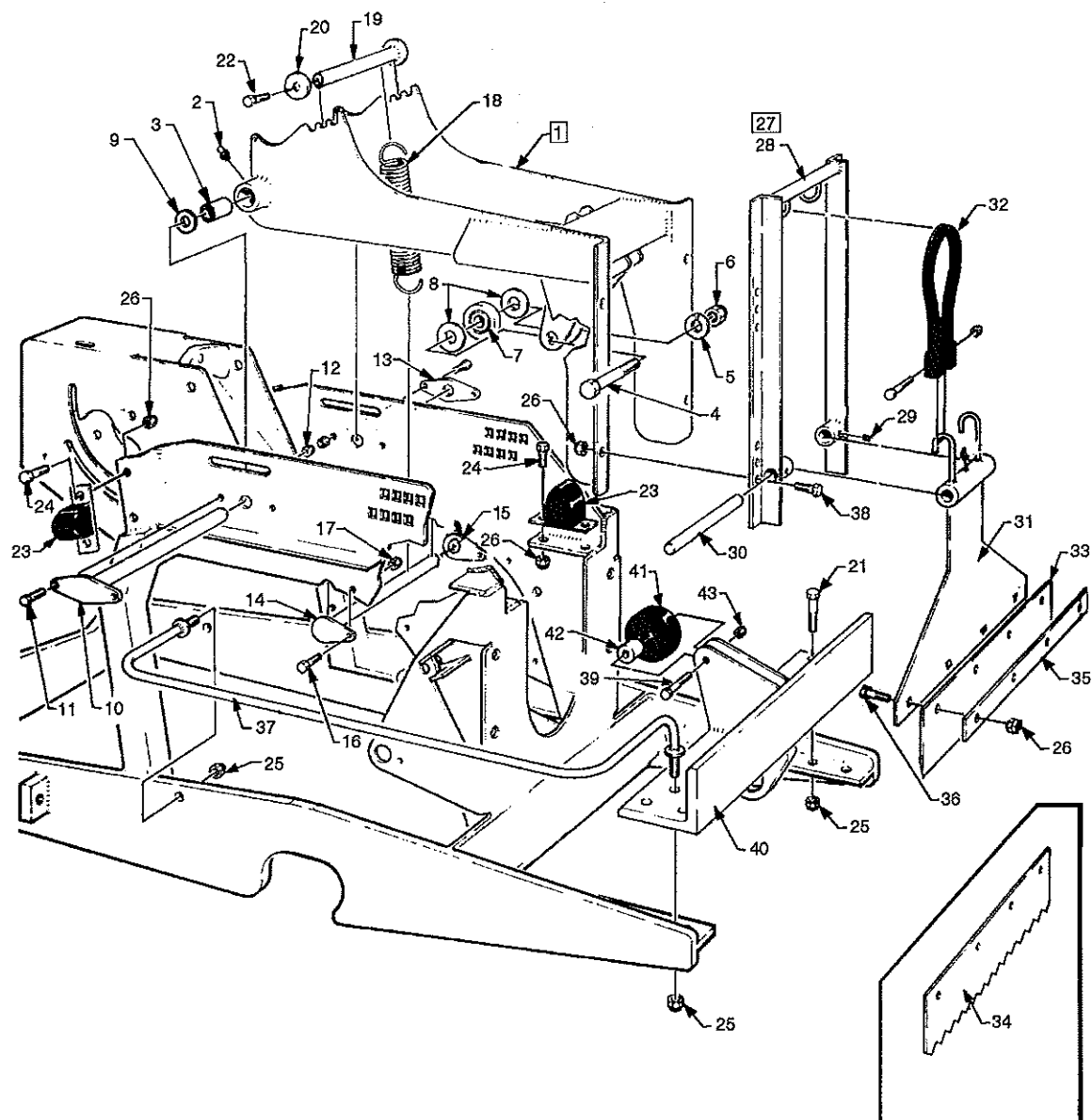
section 2

Parts List for Figure 8

Ref.	Part No.	Description	Quantity
1	A03595	ASSEMBLY, CUTOFF FRAME 16/18"	1
	A03596	ASSEMBLY, CUTOFF FRAME 24"	1
	016262	FRAME, CUTOFF 16/18"	1
	016615	FRAME, CUTOFF 24"	1
2	29-010	GREASE FITTING, 1/4	2
3	009536	BUSHING, BRONZE	2
4	N9021	SCREW, HEX CAP M20-2.50 X 80	1
5	07-C20	LOCKWASHER, 20mm	1
6	N9022	NUT, HEX M20-2.50 GR 8.8	1
7	B8002	BEARING, TRACK ROLLER	1
8	95-12	FLAT WASHER, 3/4 SAE	2
9	F7951	WASHER, 59/64 X 1-19/64 X .031	A/R
10	016582	SHAFT, CUTOFF PIVOT 16/18"	1
	016583	SHAFT, CUTOFF PIVOT 24"	1
11	99-K02	FLANGE BOLT, 5/16 X 1	4
12	99-E12	FLANGE NUT, 5/16	4
13	016297	LUG, ANTI-ROTATION	1
14	016584	SHAFT, LOWER SPRING MOUNT 16/18"	1
	016585	SHAFT, LOWER SPRING MOUNT 24"	1
15	016457	ANTI ROTATION LUG	1
16	99-K27	FLANGE BOLT, 1/4 X 1	2
17	99-E20	FLANGE NUT, 1/4	2
18	S2006	SPRING, EXT 16/18"	4
	S2006	SPRING, EXT 24"	6
19	016300	SHAFT, UPPER SPRING MOUNT 16/18"	1
	016301	SHAFT, UPPER SPRING MOUNT 24"	1
20	94-08	FLAT WASHER, 1/2	1
21	90-0814	BOLT, 1/2 X 1-3/4	4
22	99-K50	FLANGE BOLT, 1/2 X 1	1
23	014082	BUMPER, RUBBER	4
24	99-K11	FLANGE BOLT, 3/8 X 3/4	8
25	99-E37	FLANGE NUT, 1/2	6
26	99-E13	FLANGE NUT, 3/8	17
27	A03001	ASSEMBLY, CUTOFF BLADE FRAME - 16/18"	1
	A03002	ASSEMBLY, CUTOFF BLADE FRAME - 24"	1
28	001301	FRAME, CUTOFF BLADE - 16/18"	1
	001445	FRAME, CUTOFF BLADE - 24"	1
29	85-SS14	SET SCREW, 3/8 X 3/8	2
30	001417	PIN, BLADE PIVOT - 16/18"	1
	001418	PIN, BLADE PIVOT - 24"	1
31	001446	MOUNT, CUTOFF BLADE - 16/18"	1
	001447	MOUNT, CUTOFF BLADE - 24"	1
	29-010	GREASE FITTING, 1/4 - FOR 16/18"	1
	29-010	GREASE FITTING, 1/4 - FOR 24"	2
32	001452	SPRING, URETHANE CUTOFF	2

Continued on next page

Cutoff Assembly
Figure 8 (Continued)



CUTTING HEAD

section 2

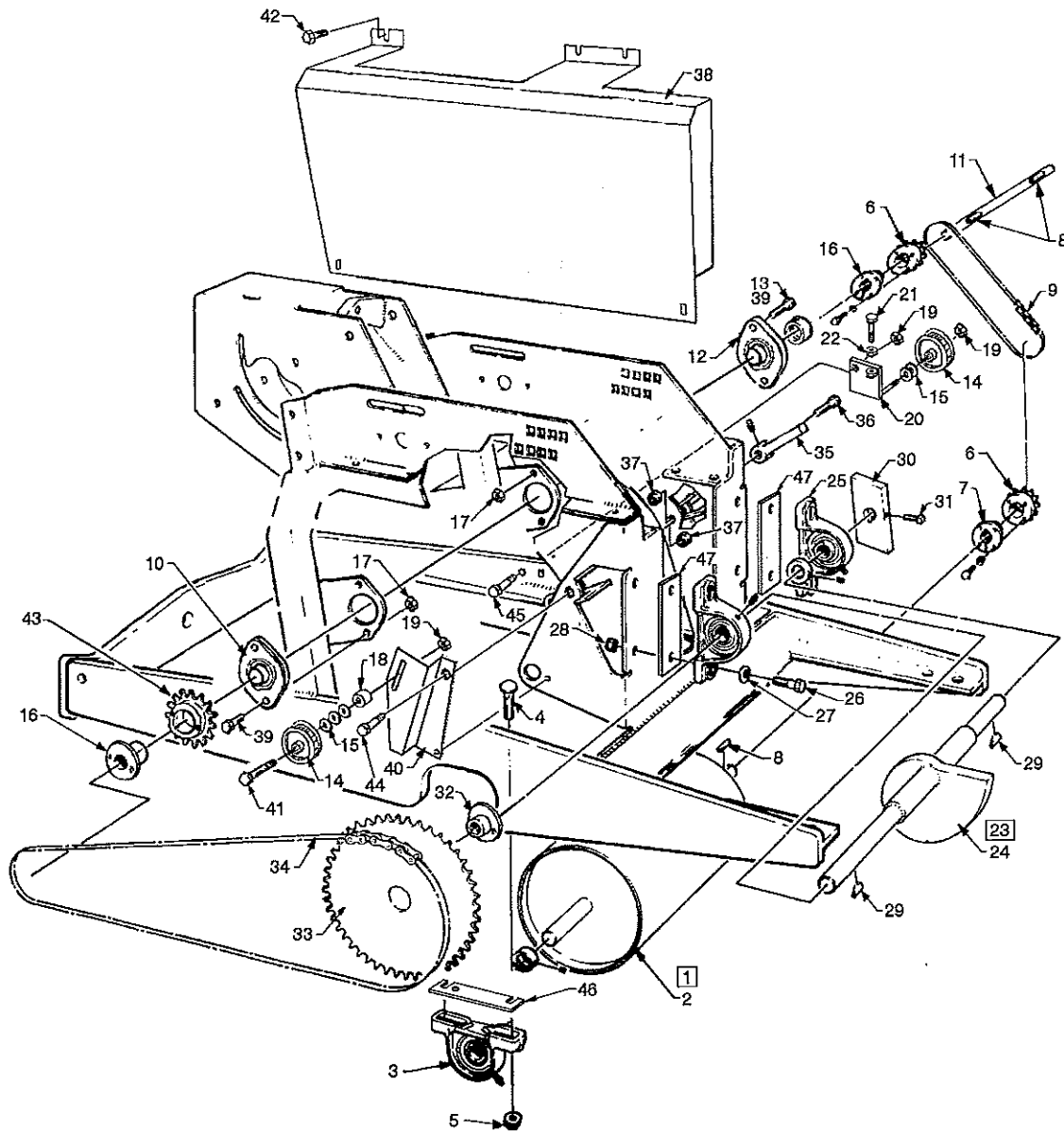
Parts List for Figure 8 (continued)

Ref.	Part No.	Description	Quantity
33	001304	BLADE, CUTOFF 16" WIDE	1
	001305	BLADE, CUTOFF 18" WIDE	1
	001306	BLADE, CUTOFF 24" WIDE	1
34	001683	BLADE, SERRATED CUTOFF 16"WIDE	1
	001676	BLADE, SERRATED CUTOFF 18"WIDE	1
	001677	BLADE, SERRATED CUTOFF 24"WIDE	1
35	001423	CLAMP, CUTOFF BLADE-16/18"	1
	001424	CLAMP, CUTOFF BLADE-24"	1
36	F3701	BOLT, PLOW 3/8 X 1	
37	016508	GUARD, TOE	1
38	99-K22	FLANGE BOLT, 3/8 X 1-1/4	4
39	90-0618	BOLT, 3/8 X 2-1/4	1
40	016270	CARRIER, FRONT PIVOT - 16/18"	1
	016611	CARRIER, FRONT PIVOT - 24"	1
41	001507	DAMPENER, ROLL UP TRAY	1
42	001764	BUSHING, RUBBER BUMPER	1
43	99-A06	LOCKNUT, STOVER 3/8	1

CUTTING HEAD

section 2

8" Roller & Cutoff Cam
Figure 9



Parts List for Figure 9

Ref	Part no.	Description	Quantity
1	A03536	KIT, 8" ROLLER -16"	1
	A03537	KIT, 8" ROLLER -18"	1
	A03538	KIT, 8" ROLLER -24"	1
2	015997	ROLLER, 8" DIA -16"	1
	015998	ROLLER, 8" DIA -18"	1
	015999	ROLLER, 8" DIA -24"	1
3	B1111	BEARING, PILLOW BLOCK	2
REF	016970	ROLLER, 10" DIA -16"	1
REF	016971	ROLLER, 10" DIA -18"	1
REF	016972	ROLLER, 10" DIA -24"	1
4	F5106	BOLT, CARRIAGE 1/2 X 1-3/4	4
5	F5018	NUT, FLANGED STOVER 1/2	4

CUTTING HEAD

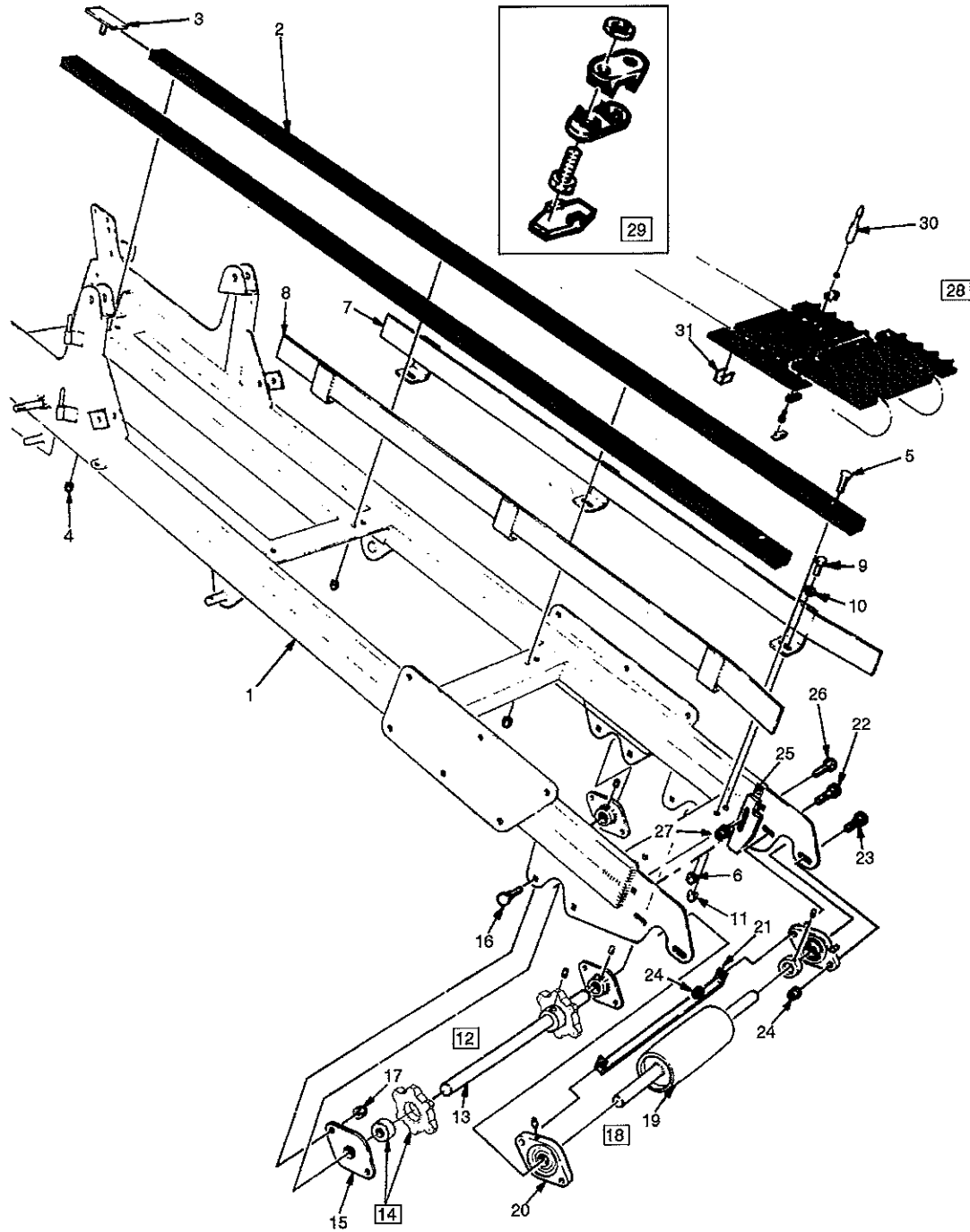
section 2

Parts List for Figure 9 (continued)

Ref.	Part No.	Description	Quantity
6	D1406	SPROCKET, TAPER LOCK (SEE PAGE 5-3)	2
7	83-H18	BUSHING, 1-1/8" - 16/18" (SEE PAGE 5-3)	1
	83-H20	BUSHING, 1-1/4" - 24"	1
8	124422	KEY, 1/4 X 1/4 X 1-3/8	3
9	Q8008	CHAIN, ROLLER #40	1
	81-076	HALFLINK, #40	1
	81-056	CONNECTOR LINK #40	1
10	6550002	BEARING, 1" FLANGE	1
11	016404	SHAFT, CUTTING HEAD JACK 16/18"	1
	016405	SHAFT, CUTTING HEAD JACK 24"	1
12	6550002	BEARING, 1" FLANGE	1
14	D2902	SHEAVE, BELT IDLER	2
15	95-08	FLATWASHER, 1/2 SAE	5 or A/R
16	83-H16SPL	BUSHING, H X 1" SPLIT TYPE (SEE PAGE 5-3)	2
17	99-E12	FLANGE NUT, 5/16	4
18	002016	SPACER	1
19	F5018	NUT, FLANGED STOVER LOCK 1/2	3
20	016976	BRACKET, IDLER	1
21	99-K63	BOLT, 1/2 X 2 FULL THREAD	1
22	99-E10	JAM NUT, 1/2	1
23	A03591	ASSEMBLY, SLOW LIFT CAMSHAFT 16/18"	1
	A03592	ASSEMBLY, FAST LIFT CAMSHAFT 16/18"	1
	A03594	ASSEMBLY, FAST LIFT CAMSHAFT 24"	1
24	016591	SHAFT, SLOW LIFT CAM-16/18"	1
	016592	SHAFT, FAST LIFT CAM-16/18"	1
	016594	SHAFT, FAST LIFT CAM- 24"	1
	002586	CAM, 16/18" SUPERLIFT W/A	1
	002587	CAM, 24" SUPERLIFT W/A	1
25	B1001	BEARING, PILLOW BLOCK	2
26	90-0614	BOLT, 3/8 X 1-3/4	4
27	015907	WASHER, SPECIAL	4
28	99-E13	FLANGE NUT, 3/8	4
29	G8019	KEY, WOODRUFF 1/4 X 1	2
30	REF	CAM STOP RETURN (SEE PAGE 5-3)	
31	F3603	SET SCREW, 3/8 X 3/4 SQ HD	1
32	REF	SEE CHART SECTION 7-3	
33	OPTION	CAMSHAFT SPROCKET (SEE PAGE 5-3)	
34	Q8008	CHAIN, ROLLER #40	1
	81-076	HALFLINK, #40	1
	81-056	CONNECTOR LINK #40	1
35	001567	RETURN CAM STOP	1
	29-010	GREASE FITTING, 1/4	1
36	90-0832	BOLT, 1/2 X 4	1
37	F5018	NUT, FLANGED STOVER LOCK 1/2	2
38	002011	SHIELD, CUT OFF CHAIN	1
39	97-0506	CARRIAGE BOLT, 5/16 X 3/4	4
40	016974	BRACKET, IDLER	1
41	90-0820	BOLT, 1/2 X 2-1/2	1
42	99-K19	BOLT, FLANGE 5/16 X 1/2	5
43	OPTION	JACKSHAFT SPROCKET (SEE PAGE 5-3)	
44	90-0824	BOLT, 1/2 X 3	1
45	90-0814	BOLT, 1/2 X 1-3/4	1
46	002295	SHIM, 10 GA	A/R
	002296	SHIM, 16 GA	A/R
	002297	SHIM, 22 GA	A/R
47	015761	SHIM, CAMSHAFT 24"	A/R
	015762	SHIM, CAMSHAFT 16 & 18"	A/R

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Tensioning Belt Idler	3-10
Motor Guard Assembly	3-10
Conveyor Drive	3-12

Front Idlers & Sliders
Rubber Mat, 16" & 18"
Figure 10



BASIC CONVEYOR

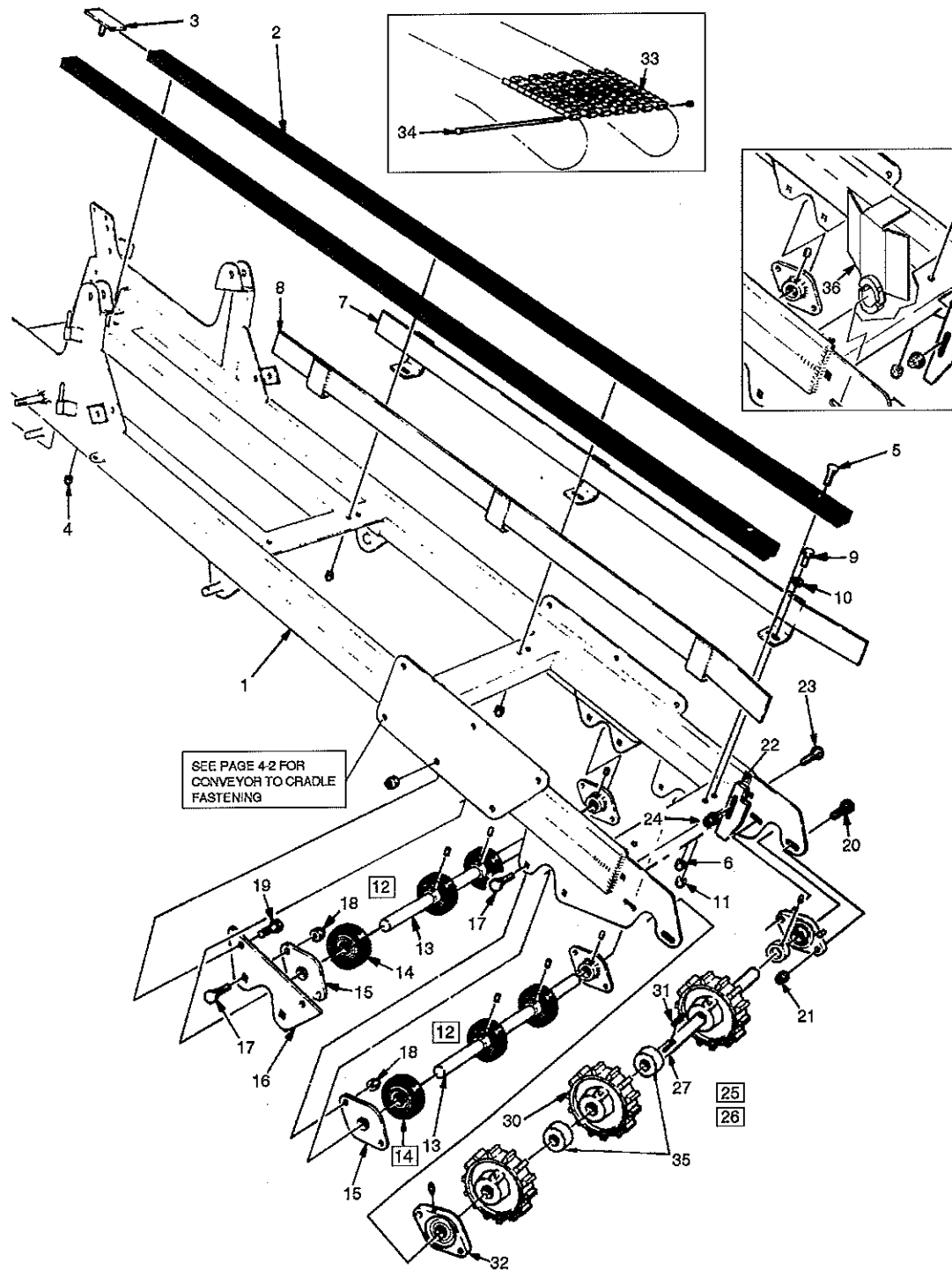
section 3

Parts List for Figure 10

Ref.	Part No.	Description	Quantity
1	016392	FRAME, CONVEYOR- 16/18"	1
2	016361	SLIDER, CONVEYOR	2
3	016661	SLIDER, T-BOLT	6
4	F3013	NUT, FLANGED STOVER LOCK	6
5	F5736	SCREW, HEX SOC FLAT HEAD	2
6	99-E41	LOCKNUT, NYLON 1/2	2
7	016425	GUIDE, SOD LH 16"	1
8	016426	GUIDE, SOD RH 16"	1
9	90-0810	BOLT, 1/2 X 1-1/4	6
10	95-08	FLAT WASHER, 1/2 SAE	6
11	F5018	NUT, FLANGED STOVER LOCK 1/2	6
12	REF	ASSEMBLY, LIFT SHAFT 16"/18"	1
13	009472	SHAFT, FRONT IDLER	1
14	A03184	ASSEMBLY, IDLER	2
	014268	DRIVE SPROCKET	2
	B2022	BEARING, BALL 1" (SETSCREW)	2
15	016382	FLANGE, SHAFT	2
	F2607	SCREW, HEX SOCKET SET	2
16	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	4
17	F4008	NUT, FLANGED STOVER	4
18	A03679	ASSEMBLY, CROWN ROLLER	1
19	016633	ROLLER, CROWN	1
20	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
21	016383	SCRAPER, CROWN ROLLER	1
22	F4105	BOLT, CARRIAGE 7/16 X 1-3/4	2
23	F4104	BOLT, CARRIAGE 7/16 X 1-1/2	2
24	F4008	NUT, FLANGED STOVER	4
25	016352	PLATE, ADJUSTER WEDGE	2
26	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	2
27	F4008	NUT, FLANGED STOVER	2
28	A02009	KIT, 16" RUBBER BELT ASSEMBLY	1
	A02010	KIT, 18" RUBBER BELT ASSEMBLY	1
*	002641	HALF MAT SPLICER	2
	002636	BELT, 16" CONVEYOR	1
	002637	BELT, 18" CONVEYOR	1
29	G8008	MAT SPLICER, 16"	4
	G8008	MAT SPLICER, 18"	5
30	M5016	NUT DRIVER	1
31	M5103	CLIP, TRACK (WIDE)	A/R
*	71-008	BELT CLIP CRIMPING TOOL	1

* Not Illustrated

Front Idlers & Sliders
Mintex Mat, 16" & 18"
Figure 11



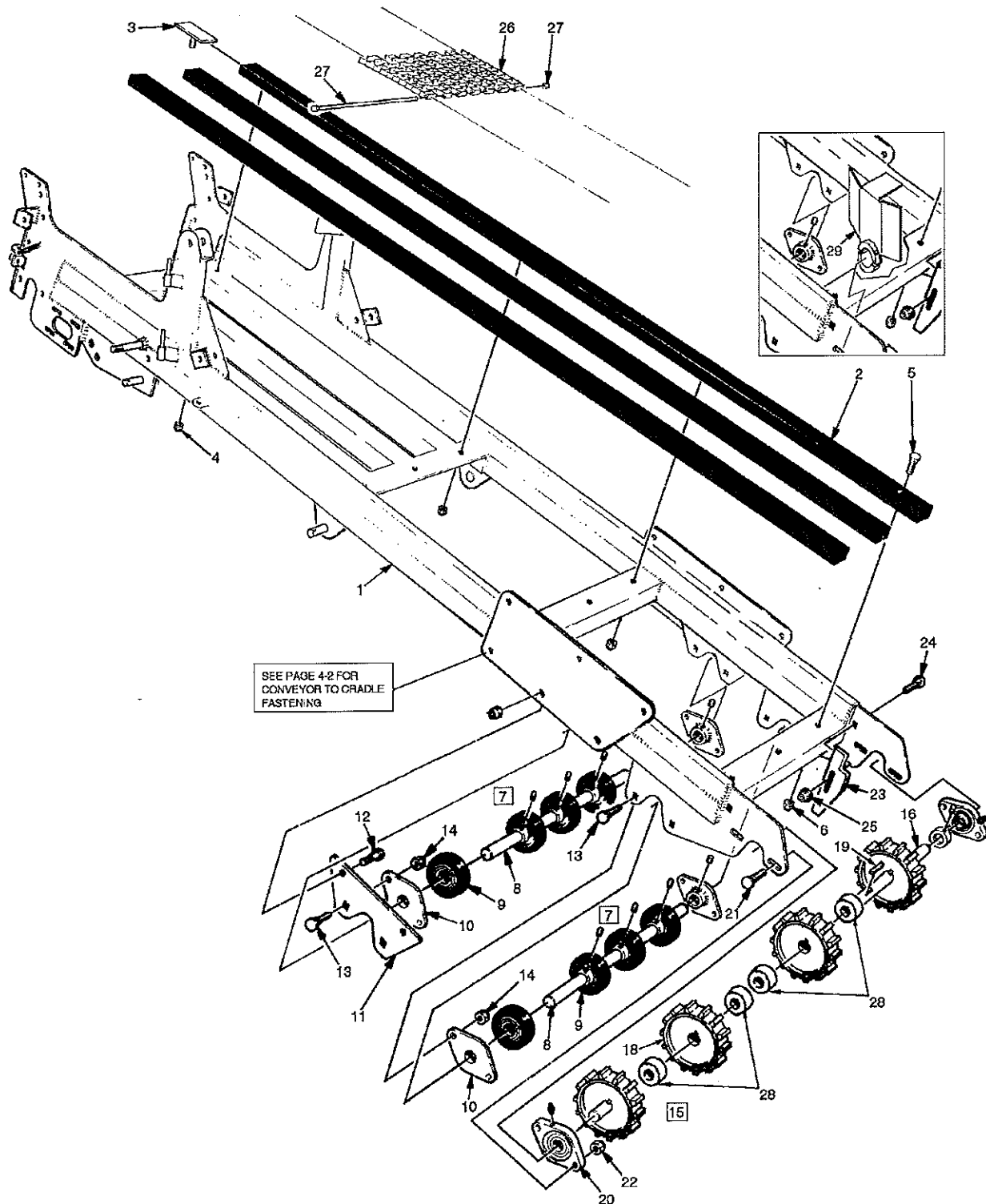
BASIC CONVEYOR

section 3

Parts List for Figure 11

Ref.	Part No.	Description	Quantity
1	016392	FRAME, CONVEYOR- 16/18"	1
2	016361	SLIDER, CONVEYOR	2
3	016661	SLIDER T-BOLT	6
4	F3013	NUT, FLANGED STOVER LOCK	6
5	F5736	SCREW, HEX SOCKET FLAT HEAD	2
6	99-E41	LOCKNUT, NYLON 1/2	2
7	016425	GUIDE, SOD LH 16"	1
8	016426	GUIDE, SOD RH 16"	1
9	90-0810	BOLT, 1/2 X 1-1/4	6
10	95-08	FLAT WASHER, 1/2 SAE	6
11	99-E37	FLANGE NUT, 1/2	6
12	REF	ASSEMBLY, LIFT SHAFT - 16" & 18"	2
13	009472	SHAFT, IDLER	2
14	A03184	ASSEMBLY, IDLER	6
	014074	IDLER ROLLER	1
	B2022	BEARING, BALL 1" (SETSCREW)	1
15	016382	FLANGE, SHAFT	4
	F2607	SCREW, HEX SOCKET SET	2
16	016327	PLATE, SHAFT SUPPORT	2
17	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	8
18	F4008	NUT, FLANGED STOVER	8
19	90-0814	BOLT, 1/2 X 1-3/4	4
20	F4104	BOLT, CARRIAGE 7/16 X 1-1/2	4
21	F4008	NUT, FLANGED STOVER	4
22	016352	PLATE, ADJUSTER WEDGE	2
23	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	2
24	F4008	NUT, FLANGED STOVER	2
25	A03691	ASSEMBLY, IDLER SHAFT - 16"	1
26	A03692	ASSEMBLY, IDLER SHAFT - 18"	1
27	016649	SHAFT, CONVEYOR IDLER - 16/18"	1
30	014058	SPROCKET, THIN	3
31	124440	KEY, 1/4 X 1/4 X 2-1/2	2
32	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
33	001510	BELT, MINTEX CONVEYOR 16"	1
	001511	BELT, MINTEX CONVEYOR 18"	1
34	A03485	ASSEMBLY, MAT CONNECTOR - 16"	1
	001466	CONNECTOR, 16" MAT	1
	A03487	ASSEMBLY, MAT CONNECTOR - 18"	1
	001465	CONNECTOR, 18" MAT	1
35	85-SC16	SET COLLAR	2
36	002206	GUIDE, MAT	1

Front Idlers & Sliders
Mintex Mat, 24"
Figure 12



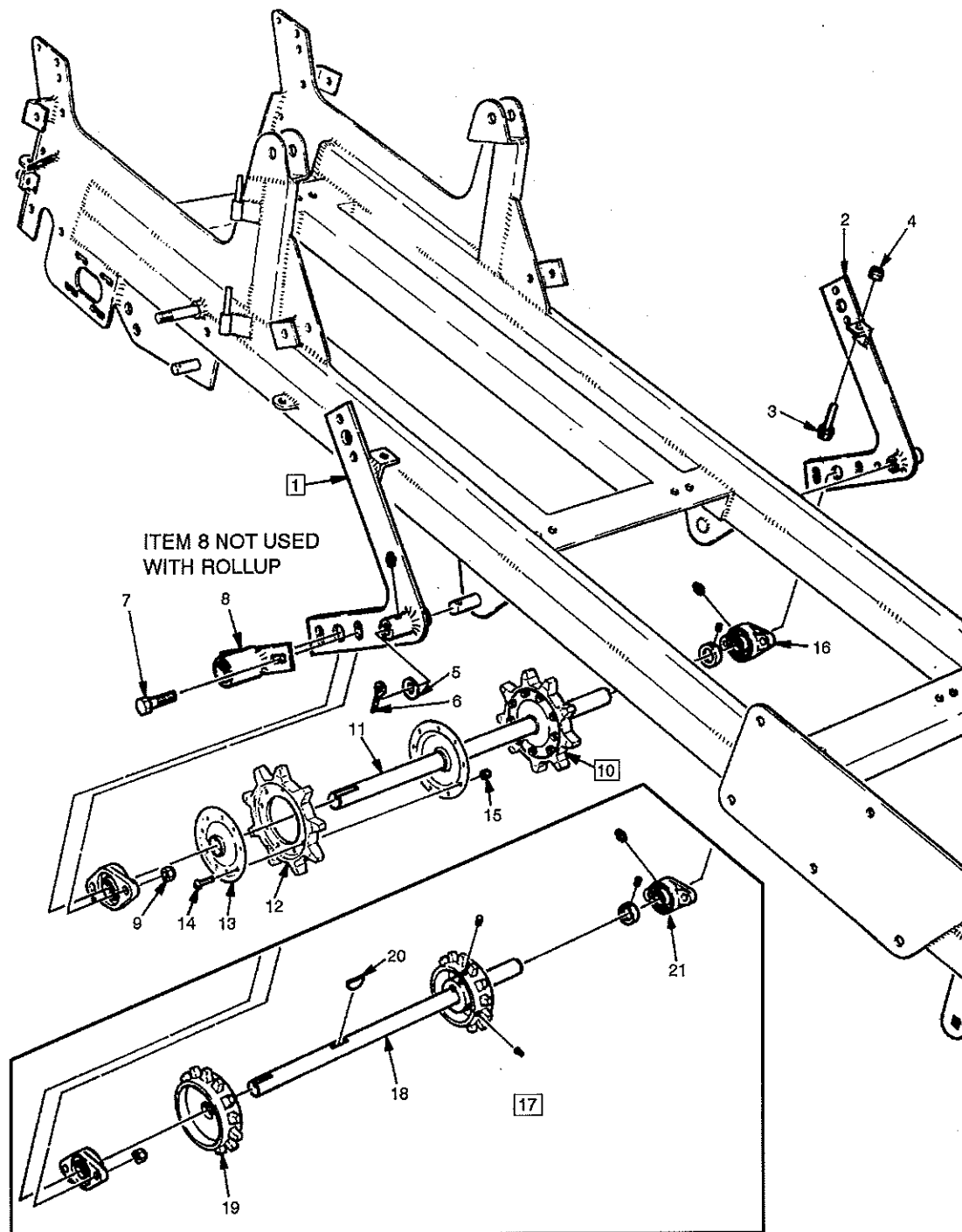
BASIC CONVEYOR

section 3

Parts List for Figure 12

Ref.	Part No.	Description	Quantity
1	016393	FRAME, CONVEYOR 24"	1
2	016361	SLIDER, CONVEYOR	3
3	016661	SLIDER T-BOLT	9
4	F3013	NUT, FLANGED STOVER LOCK	9
5	F5736	SCREW, HEX SOC. FLAT HD.	3
6	99-E41	LOCKNUT, NYLON 1/2	3
7	REF	ASSEMBLY, LIFT SHAFT- 24"	2
8	016683	SHAFT, 24" CONVEYOR	1
9	A03184	ASSEMBLY, IDLER	4
	014074	IDLER ROLLER	1
	B2022	BEARING, BALL 1" (SETSCREW)	1
10	016382	FLANGE, SHAFT	2
	F2607	SCREW, HEX SOC. SET	1
11	016327	PLATE, SHAFT SUPPORT	2
12	90-0814	BOLT, 1/2 X 1-3/4	4
13	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	8
14	F4008	NUT, FLANGED STOVER	8
15	A03693	ASSEMBLY, IDLER SHAFT- 24"	1
16	016650	IDLER SHAFT, CONVEYOR 24"	1
18	014058	SPROCKET, THIN	4
19	G8019	KEY, WOODRUFF 1/4 X 1	2
20	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
21	F4104	BOLT, CARRIAGE 7/16 X 1-1/2	4
22	F4008	NUT, FLANGED STOVER	4
23	016352	PLATE, ADJUSTER WEDGE	2
24	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	2
25	F4008	NUT, FLANGED STOVER	2
26	001512	BELT, MINTEX CONVEYOR- 24"	1
27	A03484	ASSEMBLY, MAT CONNECTOR- 24"	1
	001464	CONNECTOR, 24" MAT	1
28	85-SC16	SET COLLAR	4
29	002206	GUIDE, MAT	1

Mid Idler Assembly
Figure 13



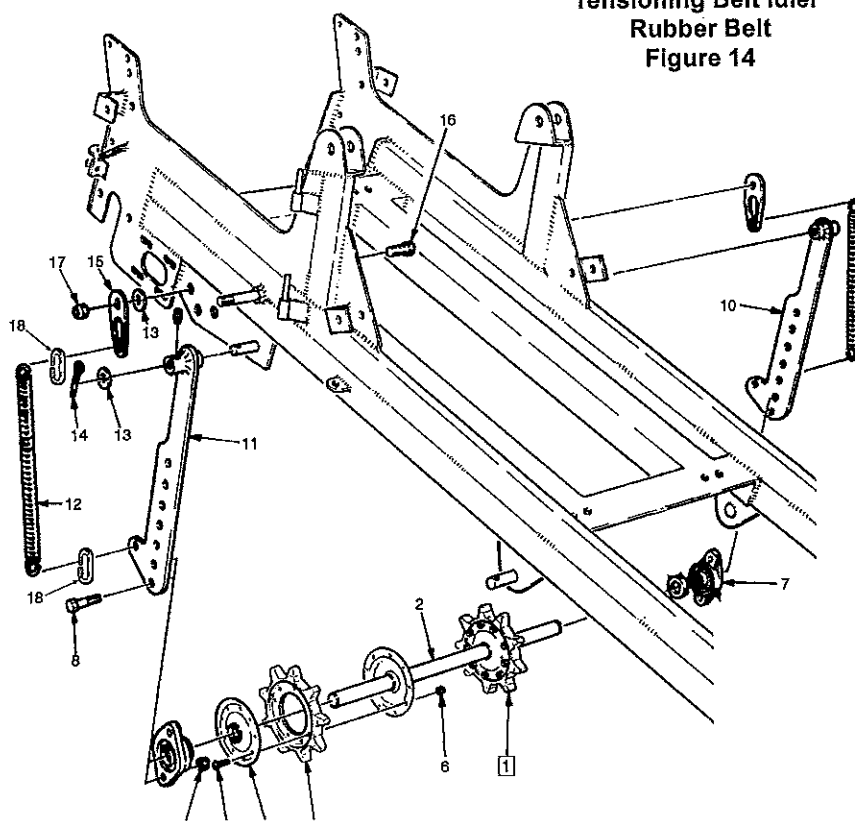
BASIC CONVEYOR

section 3

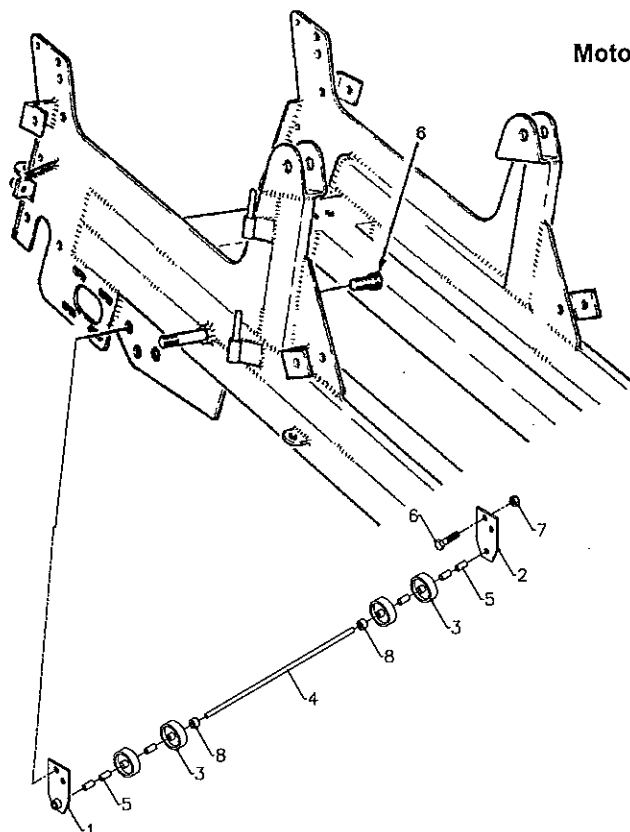
Parts List for Figure 13

Ref.	Part No.	Description	Quantity
1	A03041	ASSEMBLY, MID IDLER ARM RH	1
2	A03042	ASSEMBLY, MID IDLER ARM LH	1
	29-010	GREASE FITTING, 1/4	1
3	F3748	BOLT, RUBBER HEAD 3/8	1
4	99-E21	JAM NUT, 3/8	1
5	F6051	WASHER, FLAT 5/8" ID X 1" OD X .063"	2
6	02-CP0512	COTTER PIN, 5/32 X 1-1/2	2
7	99-K22	BOLT, FLANGE 3/8 X 1-1/4	4
8	015558	IDLER SHAFT GUARD - SLABBER ONLY	1
9	F3013	NUT, FLANGED STOVER LOCK	4
10	A03683	ASSEMBLY, IDLER SHAFT 16" RUBBER MAT (PRIOR TO SERIAL NO. 4177)	1
	A03684	ASSEMBLY, IDLER SHAFT 18" RUBBER MAT	1
11	014044	SHAFT, IDLER 16" (PRIOR TO SERIAL NO. 4177)	1
	014128	SHAFT, IDLER 18"	1
12	83-053	SPROCKET, 9-TOOTH BROUWER	2
13	D8001	FLANGE, SPROCKET	2
14	99-K06	BOLT, 1/4 X 3/4 SL RD HD	18
15	99-E39	LOCKNUT, NYLON 1/4	18
16	B0105	BEARING, 3/4" FLANGE	2
17	A03680	ASSEMBLY, IDLER SHAFT 16" MINTEX MAT	1
	A03681	ASSEMBLY, IDLER SHAFT 18" MINTEX MAT	1
	A03682	ASSEMBLY, IDLER SHAFT 24" MINTEX MAT	1
18	001406	SHAFT, DRIVE- 4" ROLLER 16-18"	1
	001407	SHAFT, DRIVE- 4" ROLLER 24"	1
19	001576	SPROCKET, 4" CAST	2
	85-SS09	SET SCREW, 5/16 X 3/8 SKTHD	2
20	85-W0306	KEY, WOODRUFF 3/16 X 3/4	2
21	B0105	BEARING, 3/4" FLANGE	2

Tensioning Belt Idler
Rubber Belt
Figure 14



Motor Guard Assembly
Mintex Belt
Figure 15



BASIC CONVEYOR

section 3

Parts List for Figure 14

Ref.	Part No.	Description	Quantity
1	A03628	ASSEMBLY, IDLER SHAFT 16" RUBBER MAT (PRIOR TO SERIAL NO. 4177)	1
	A03629	ASSEMBLY, IDLER SHAFT 18" RUBBER MAT	1
2	016646	SHAFT, IDLER 16" RUBBER MAT (PRIOR TO SERIAL NO. 4177)	1
	016647	SHAFT, IDLER 18" RUBBER MAT	1
3	83-053	SPROCKET, 9-TOOTH BROUWER	2
4	D8001	FLANGE, SPROCKET	2
5	99-K06	BOLT, 1/4 X 3/4 SL RD HD	18
6	99-E39	LOCKNUT, NYLON 1/4	18
7	B0121	BEARING, 1" FLANGE	2
8	99-K73	BOLT, FLANGE 3/8 X 1-1/2	4
9	99-A06	LOCKNUT, STOVER 3/8	4
10	016637	TENSIONER ARM LH	1
11	016638	TENSIONER ARM RH	1
	29-010	GREASE FITTING, 1/4	1
12	S2003	SPRING, EXTENSION	2
13	F6051	WASHER, FLAT 5/8" ID	4
14	02-CP0512	COTTER PIN, 5/32 X 1-1/2	2
15	016640	MOUNT, IDLER SPRING	2
16	90-1012	BOLT, 5/8 X 1-1/2	2
17	F6010	NUT, FLANGED STOVER	2
18	G8084	QUICK LINK, 3/16	4

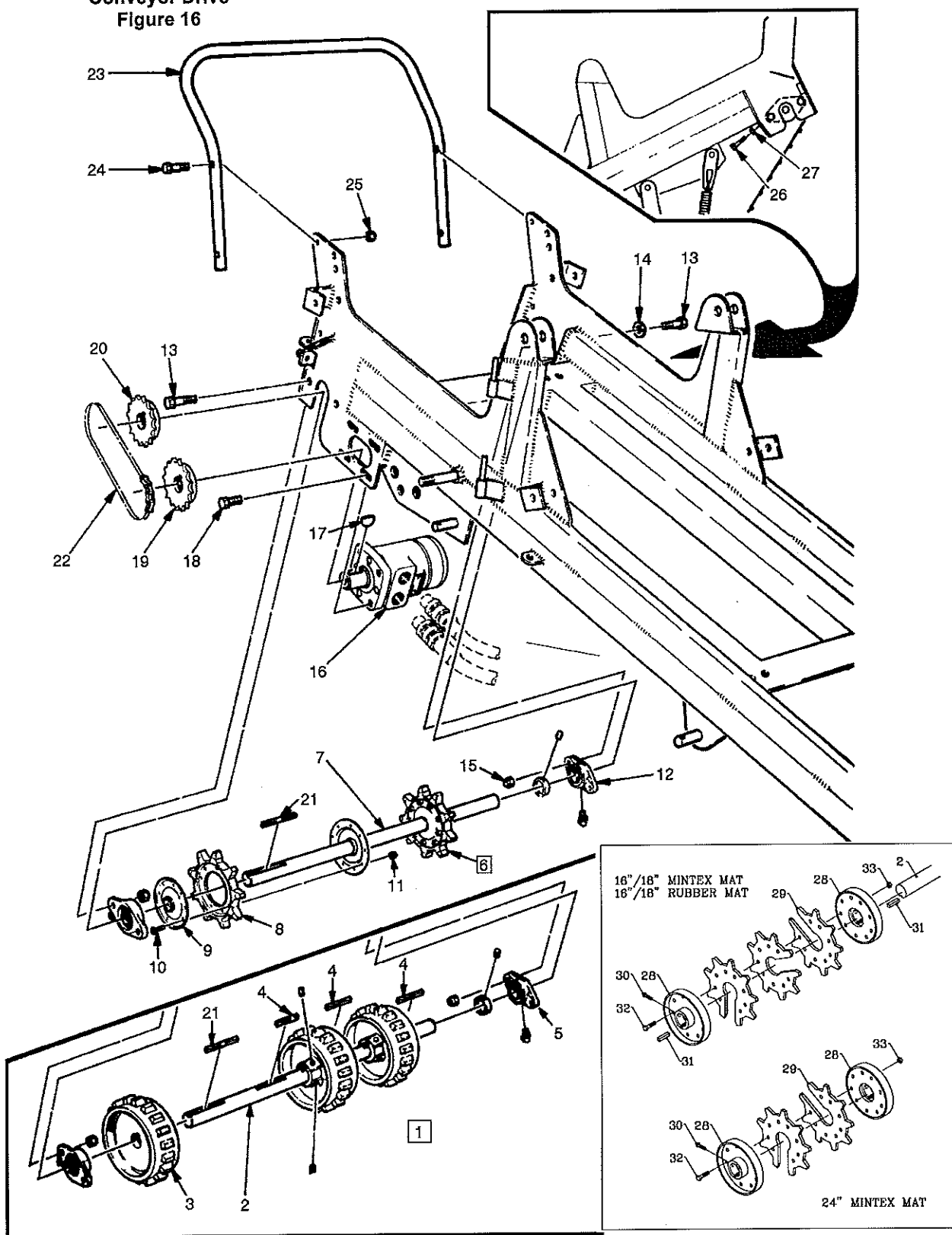
Parts List for Figure 15

Ref	Part no.	Description	Quantity
1	016985	BRACKET, MOTOR GUARD W/A RH	1
2	016984	BRACKET, MOTOR GUARD W/A LH	1
3	R0005	WHEEL, NYLON 3" DIA. X 1/2" BORE	4
4	016983	ROLL SUPPORT, 22-1/2" (16"/18" MINTEX)	1
	016982	ROLL SUPPORT, 28-1/2" (24" MINTEX)	1
5	015659	SPACER, 16" MINTEX	8
	015659	SPACER, 18" MINTEX	6
	015659	SPACER, 24" MINTEX	6
6	90-1012	BOLT, 5/8 X 1-1/2	4
7	F6010	NUT, FLANGED STOVER	4
8	85-SC08	SET COLLAR, 1/2	2

BASIC CONVEYOR

section 3

Conveyor Drive
Figure 16



Optional Sand Sprockets

BASIC CONVEYOR

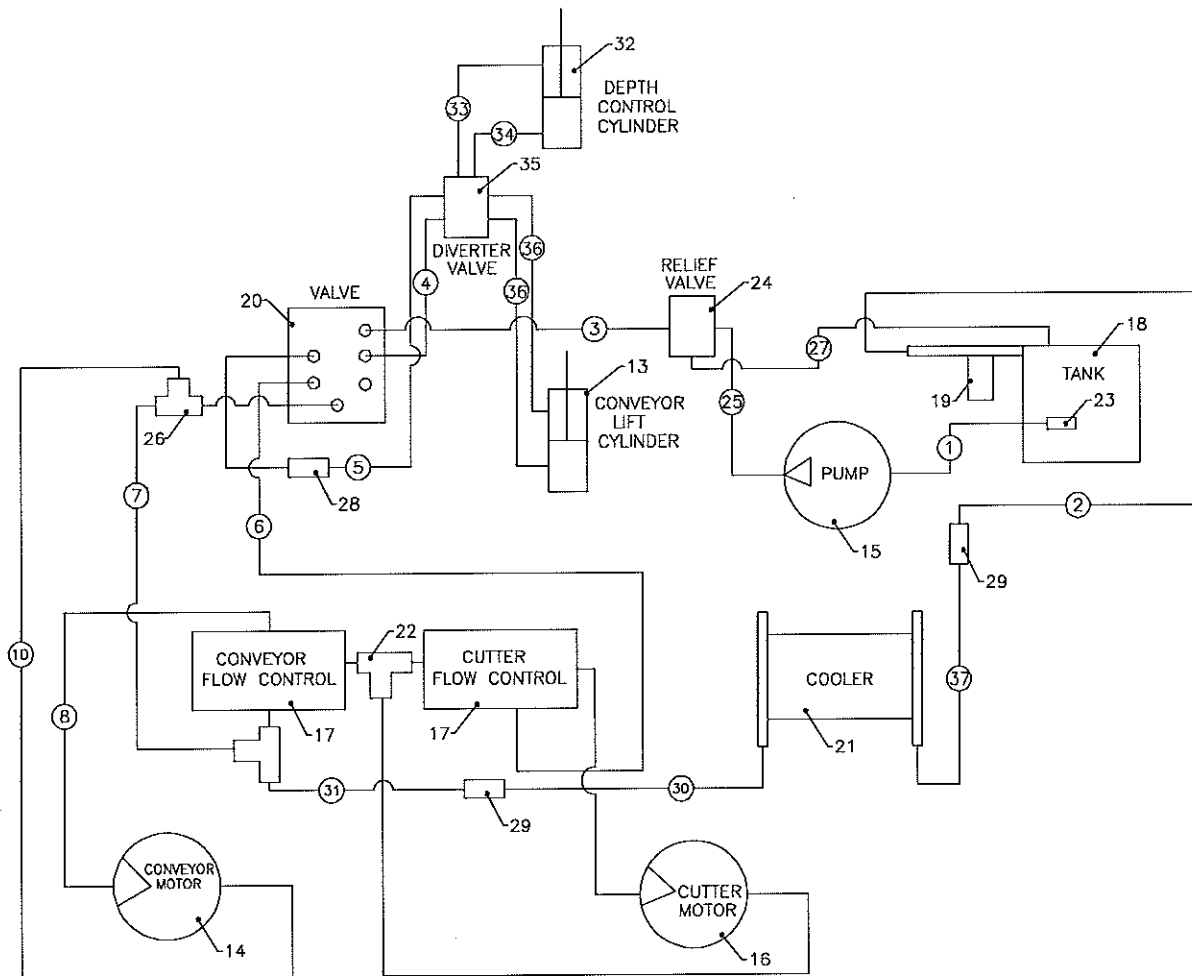
section 3

Parts List for Figure 16

Ref.	Part No.	Description	Quantity
1	A03685	ASSEMBLY, DRIVE SHAFT 16" MINTEX MAT	1
	A03686	ASSEMBLY, DRIVE SHAFT 18" MINTEX MAT	1
	A03687	ASSEMBLY, DRIVE SHAFT 24" MINTEX MAT	1
2	001349	SHAFT, CONVEYOR DRIVE 16/18"	1
	001350	SHAFT, CONVEYOR DRIVE 24"	1
3	001351	SPROCKET, 6" CAST	3
	85-SS14	SET SCREW, 3/8 X 3/8 SKTHD	2
4	124422	KEY, 1/4 X 1/4 X 1-3/8	3
5	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
6	A03688	ASSEMBLY, DRIVE SHAFT 16" RUBBER MAT (PRIOR TO SERIAL NO. 4177)	1
	A03689	ASSEMBLY, DRIVE SHAFT 18" RUBBER MAT	1
7	014071	SHAFT, CONVEYOR DRIVE-16" (PRIOR TO SN 4177)	1
	014081	SHAFT, CONVEYOR DRIVE-18"	1
8	83-053	SPROCKET, 9-TOOTH BROUWER	2
9	D8001	FLANGE, SPROCKET	2
10	90-0406	BOLT, 1/4 X 3/4	18
11	99-E39	LOCKNUT, NYLON 1/4	18
12	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
13	90-0712	BOLT, 7/16 X 1-1/2	4
	90-0716	BOLT, 7/16 X 2 (CROSS CONVEYOR)	4
14	99-B52	WASHER, 1-1/32 OD X 15/32 ID	2
	95-08	WASHER, FLAT 1/2 SAE (CROSS CONVEYOR)	8
15	F4008	NUT, FLANGED STOVER	4
16	H0012	MOTOR, HYDRAULIC	1
	E3039	SEAL KIT FOR H0012 MOTOR	1
17	G8019	KEY, WOODRUFF 1/4 X 1	1
18	99-K13	BOLT, FLANGE 3/8 X 1	4
19	D1202	SPROCKET, FIXED: #50 X 18T X 1" BORE	1
20	D1216	SPROCKET, FIXED: #50 X 16T X 1" BORE	1
21	124458	KEY, 1/4 X 1/4 X 3-5/8	1
22	Q8009	CHAIN, ROLLER- #50	1
	81-055	HALFLINK, #50	1
	81-053	CONNECTOR LINK, #50	1
23	016379	TUBE, HANDRAIL- 16/18"	1
	016380	TUBE, HANDRAIL- 24"	1
24	90-0512	BOLT, 5/16 X 1-1/2	4
25	99-E12	FLANGE NUT, 5/16	4
26	99-K33	BOLT, 3/8 X 2 HEX TAP	1
27	92-06	NUT, 3/8	1
		OPTIONAL SAND SPROCKETS	
28	002439	SPROCKET HUB (16"/18" MINTEX)	4
	002440	SPROCKET HUB (16"/18" RUBBER)	4
	002439	SPROCKET HUB (24" MINTEX)	6
29	002400	SPROCKET PLATE (16"/18" MINTEX)	4
	002394	SPROCKET PLATE (16"/18" RUBBER)	6
	002400	SPROCKET PLATE (24" MINTEX)	6
30	F2601	SET SCREW (16"/18" MINTEX & RUBBER)	4
	F2601	SET SCREW (24" MINTEX)	6
31	124444	KEY, 1/4 X 1/4 X 2-3/4 (16"/18" RUBBER)	2
32	90-0414	BOLT, 1/4 X 1-1/4 (16"/18" MINTEX & RUBBER)	18
	90-0414	BOLT, 1/4 X 1-1/4 (24" MINTEX)	27
33	99-E20	FLANGE NUT, 1/4 (16"/18" MINTEX & RUBBER)	18
	99-E20	FLANGE NUT, 1/4 (24" MINTEX)	27

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Hydraulic System Schematic
Figure 17



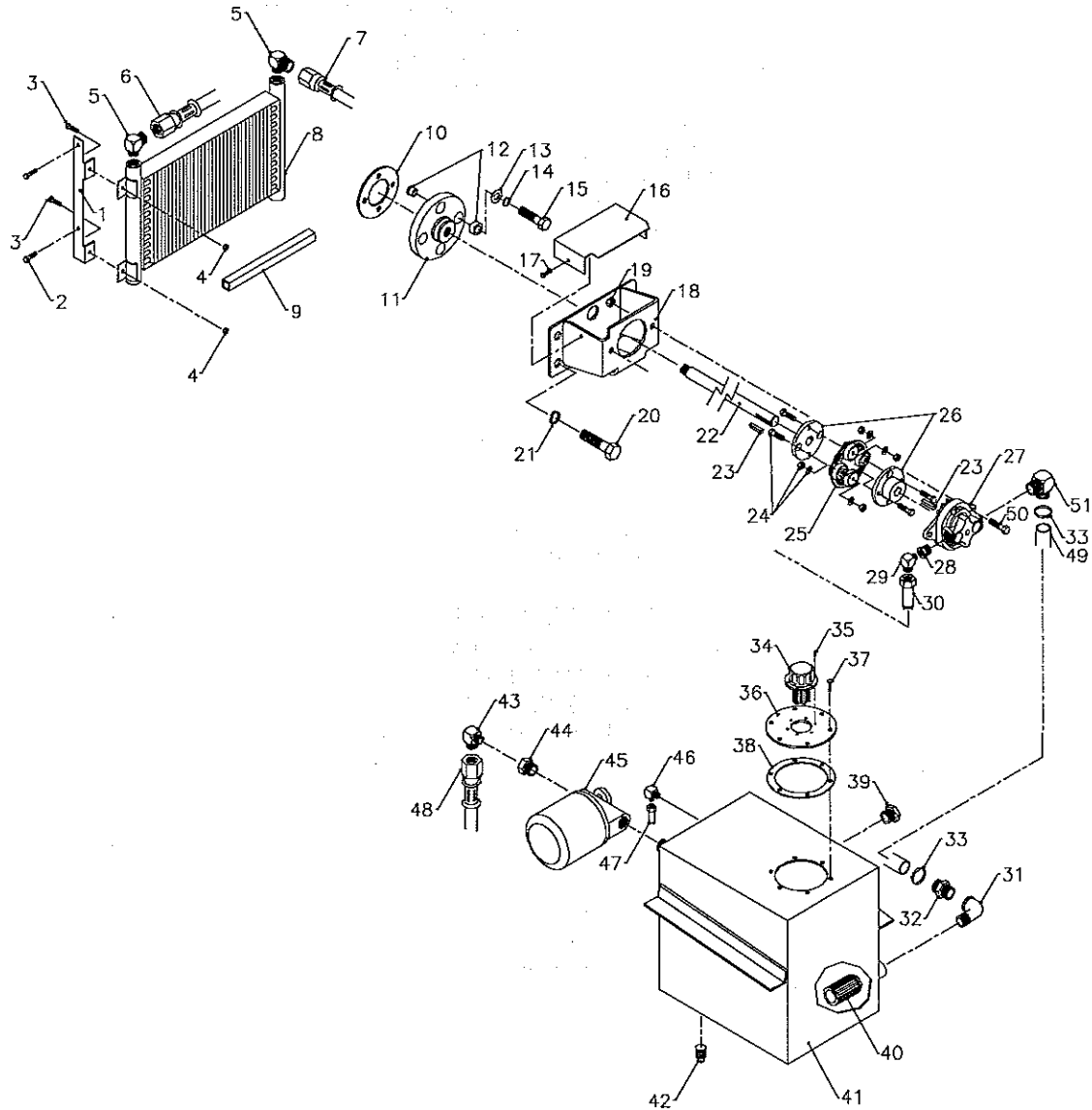
HYDRAULICS

section 4

Parts List for Figure 17

Ref.	Part No.	Description	Quantity
1	016084	HOSE, SUCTION 100R4 1-1/4 X 19	1
2	20-163	HOSE, 3/4 X 34 100R1 #12 JIC	1
3	002008	HOSE, 3/4 X 130 100R2	1
4	016374	HOSE, VALVE TO CONVEYOR LIFT	1
5	016375	HOSE, CONVEYOR LIFT TO VALVE	1
6	016341	TUBE, VALVE TO FLOW CONTROL	1
7	016348	HOSE, VALVE TO TANK	1
8	016342	HOSE, FLOW CONTROL TO CONVEYOR- 16/18"	1
	016712	HOSE, FLOW CONTROL TO CONVEYOR MOTOR- 24"	1
9	016344	HOSE, FLOW CONTROL TO CUTTER	1
10	20-106	HOSE, 1/2 X 76 -8 F JIC SWIV- 16/18"	1
	20-108	HOSE, 1/2 X 76 -8 F JIC SWIV- 24"	1
11	002002	HOSE, 3/4 X 130 MAIN RETURN	1
12	002003	HOSE, 3/4 X 120 MOTOR RETURN	1
13	016620	CYLINDER, CONVEYOR LIFT 3-1/2"	1
	E3045	KIT, SEALS FOR 016620	1
	21-115	O-RING SEAL	1
14	H0012	MOTOR, HYDRAULIC	1
15	H0401	PUMP, HYDRAULIC	1
16	H0025	MOTOR, HYDRAULIC (TORQMOTOR)	1
17	H4067	VALVE, FLOW CONTROL	2
18	6109228	TANK, HYDRAULIC	1
19	H5019	FILTER, ASSEMBLY FILTER & HEAD	1
	H5020	FILTER, OIL ELEMENT FOR H5019	1
20	H4089	VALVE, 2 SPOOL CONTROL	1
21	H8113	COOLER, OIL	1
22	H6122	FITTING, RUN TEE M#12 ORB	1
23	H5018	STRAINER, SUCTION	1
24	23-074	VALVE, RELIEF	1
25	20-104	HOSE, 3/4 X 38 -12 MPT RIGID	1
26	H6174	FITTING, TEE -10 M JIC/-10 F.	2
27	20-105	HOSE, 1/2 X 30 -6 MPT RIGID	1
28	23-073	VALVE, FLOW RESTRICTOR	1
29	25-0353-12-12	FITTING, STR. BULKHEAD -12 MJIC	2
30	20-164	HOSE, 3/4 X 51 -12 FJIC	1
31	20-162	HOSE, 1/4 X 104 10FJIC X 12FJIC 90	1
32	23-131	CYLINDER, 3" BORE 8" STROKE	1
33	20-138	HOSE, 1/4 X 110" -6 FJIC X -6	1
34	20-139	HOSE, 1/4 X 118" -6 FJIC X -6	1
35	23-133	VALVE, SOLENOID SELECTOR	1
36	20-140	HOSE, 1/2 X 37 -8 F.JIC	2
37	20-165	HOSE, 3/4 x 22 -12 FJIC	1

Hydraulic Tank, Pump & Oil Cooler
Figure 18



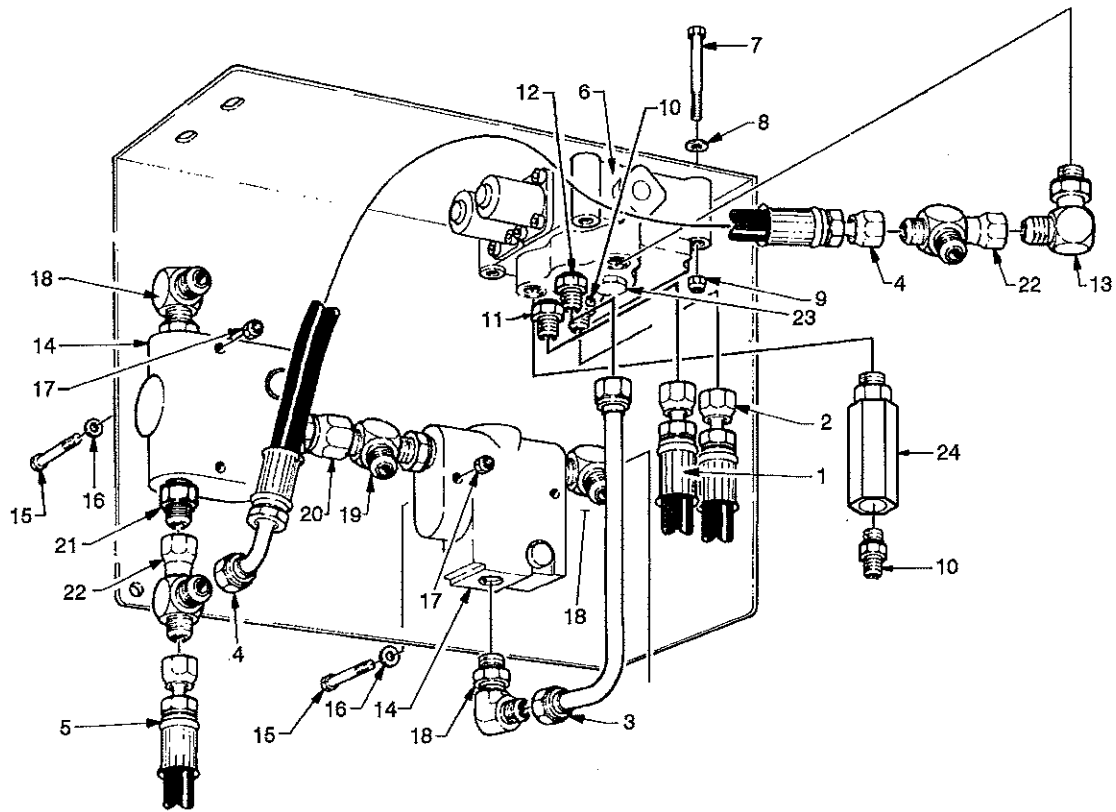
HYDRAULICS

section 4

Parts List for Figure 18

Ref.	Part No.	Description	Quantity
1	6109027	MOUNT, COOLER RH	1
	6109028	MOUNT, COOLER LH	1
2	07-0812516D933	METRIC BOLT, M8-1.25 X 16 FULL THREAD	4
3	90-0506	BOLT, 5/16 X 3/4	4
4	99-E12	FLANGE NUT, 5/16	4
5	25-2503-12-12	FITTING, 90-12M ORB X -12MJIC	2
6	20-164	HOSE, 3/4 X 51 -12 FJIC	1
7	20-165	HOSE, 3/4 X 22 -12 FJIC	1
8	21-113	COOLER, OIL	1
9	6109167	SPACER, BATTERY	1
10	6109048	SPACER, PUMP PULLEY FLANGE	1
11	002239	FLANGE-PUMP DRIVE	1
12	001425	BUSHING, PUMP FLANGE	4
13	95-07	FLAT WASHER, 7/16 SAE	4
14	96-07	LOCK WASHER, 7/16	4
15	90-0712	BOLT, 7/16 X 1-1/2	4
16	6109151	SHIELD, COUPLER	1
17	07-1620035	METRIC BOLT, M16-2.00 X 35	1
18	6109116	BRACKET, PUMP MOUNT	1
19	99-E37	FLANGE NUT, 1/2	2
20	90-1208	BOLT, 3/4 X 1	4
21	96-12	LOCK WASHER, 3/4	4
22	6109115	DRIVESHAFT, PUMP	1
23	85-K0408	KEY, 1/4 X 1	2
24	87-201	BOLT SET, 502	1
25	87-202	MEMBER, 502 CENTER	1
26	87-203	COUPLER, MOD. MORFLEX FLANGE	2
27	H0401	PUMP, HYDRAULIC	1
28	H2011	FITTING, STR. -16 M ORB/-12 FPT	1
29	H1525	FITTING, 90 -12 MPT/-12 F SWIV	1
30	20-104	HOSE, 3/4 X 30.5" -12 MPT RIGID	1
31	H1074	FITTING, ELBOW-1" 90 STREET	1
32	H2025	FITTING,STR -20 M ORB/-16 FPT	1
33	G8102	CLAMP, HOSE-"T" BOLT TYPE	2
34	H8074	PRESSURE FILLER BREATHER	1
35	F0314	SCREW, SELF-TAPPING #10 X 3/4	6
36	016075	COVER, HYDRAULIC TANK	1
37	99-K27	BOLT, FLANGE 1/4 X 1	6
38	202662	GASKET, 6 BOLT HYDRAULIC TANK COVER	1
39	H9103	FITTING, SIGHT GLASS	1
40	H5018	STRAINER, SUCTION	1
41	6109228	TANK, HYDRAULIC	1
42	H8011	PLUG, MAGNETIC	1
43	H6023	FITTING, 90 -12 MPT X -12 M JIC	1
44	H2024	FITTING, REDUCER-20 MPT/-12 FPT	1
45	H5019	FILTER: HEAD & ELEMENT & GAUGE	1
	H9105	FITTING, GAUGE 0-25 PSI X 1/8"	1
46	25-2103-6-8	FITTING, 90 -6 MPT X -8 M JIC	1
47	20-105	HOSE, 1/2 X 30 -6 MPT RIGID	1
48	20-163	HOSE, 3/4 X 94 12FJIC X 12FJIC 90	1
49	016084	HOSE, SUCTION 100R4 1.25 X 17.5	1
50	90-0816	BOLT, 1/2 X 2	2
51	25-4601-20-20	FITTING, 90 -12 M ORB/-12 M JIC	1

Conveyor Hydraulics
Figure 19



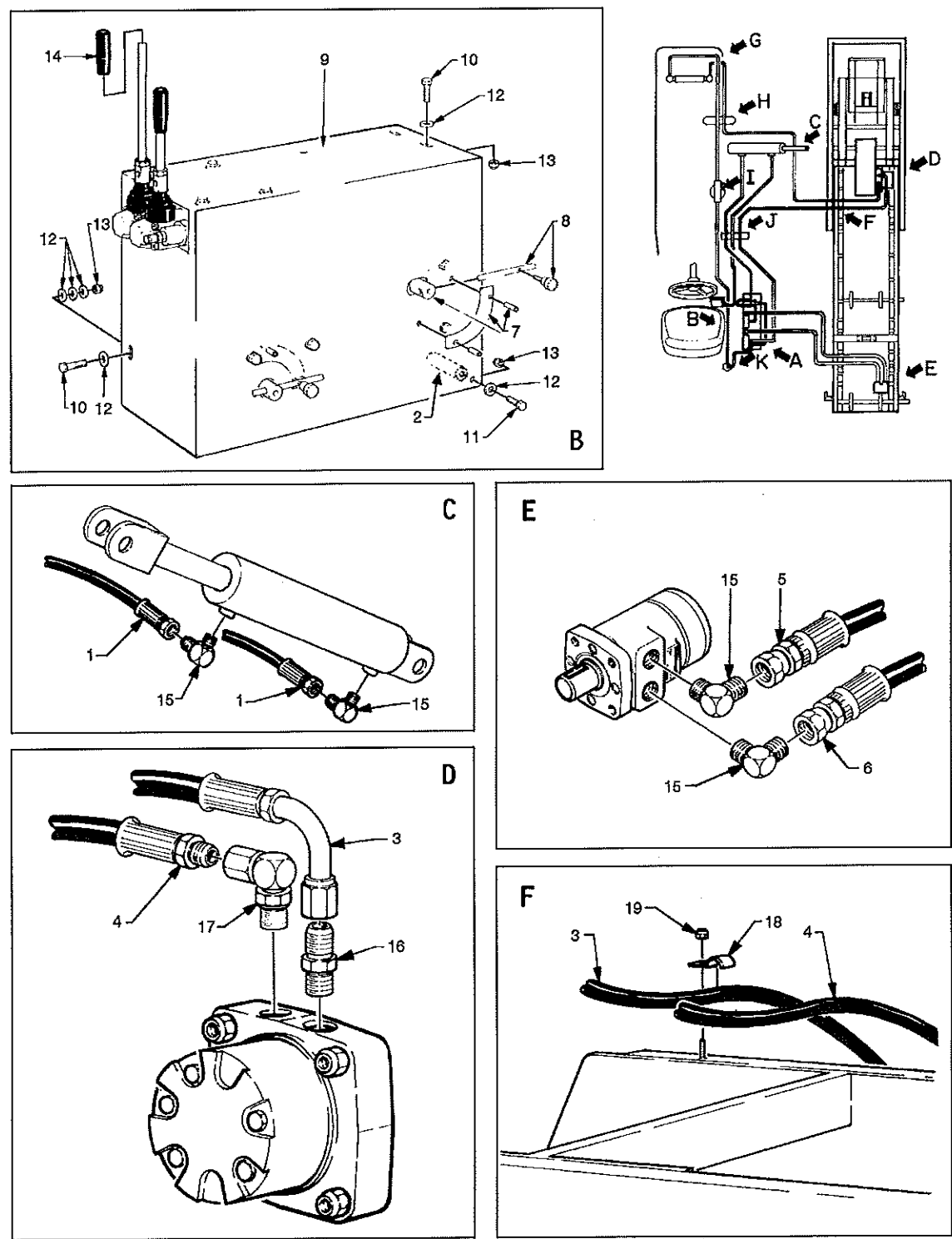
HYDRAULICS

section 4

Parts List for Figure 19

Ref.	Part No.	Description	Quantity
1	016374	HOSE, VALVE TO CONVEYOR LIFT	1
2	016375	HOSE, CONVEYOR LIFT TO VALVE	1
3	016341	TUBE, VALVE TO FLOW CONTROL	1
4	016348	HOSE, VALVE TO TANK	1
5	20-162	HOSE, 1/4 X 104 10FJIC X 12FJIC 90	1
6	H4089	VALVE, 2 SPOOL CONTROL	1
	21-085	HANDLE, LONG FOR H4089	1
	21-086	HANDLE, SHORT FOR H4089	1
	21-087	CAP, LEVER BOX FOR H4089	2
	21-081	KIT, DETENT FOR H4089	1
7	90-0522	BOLT, 5/16 X 2-3/4	3
8	94-05	FLAT WASHER, 5/16	3
9	99-E12	FLANGE NUT, 5/16	3
10	25-0503-8-8	FITTING, STR -8 M ORB/-8 M JIC	2
11	25-0503-10-10	FITTING, STR -10 M ORB/-10 M JIC	1
12	25-0503-8-10	FITTING, STR -8 M ORB/-10 M JIC	1
13	25-2503-10-10	FITTING, 90 -10 M ORB/-10 M JIC	1
14	H4067	VALVE, FLOW CONTROL	2
	E0002	O-RING FOR H4067	2
15	90-0420	BOLT, 1/4 X 2-1/2	4
16	95-04	FLAT WASHER, 1/4 SAE	4
17	99-E20	FLANGE NUT, 1/4	4
18	25-2503-12-10	FITTING, 90 -12 M ORB/-10 M JIC	3
19	H6122	FITTING, RUN TEE M #12 ORB	1
20	H6190	FITTING, STR SWI ADAPTER M #12	1
21	25-0503-12-10	FITTING, STR -12 M ORB/-10 M JIC	1
22	H6174	FITTING, TEE 2)-10 M JIC/-10 F	2
23	25-05CP-8	FITTING, PLUG -8 M ORB	1
24	23-073	VALVE, FLOW RESTRICTOR	1

Conveyor Hydraulics
Figure 20



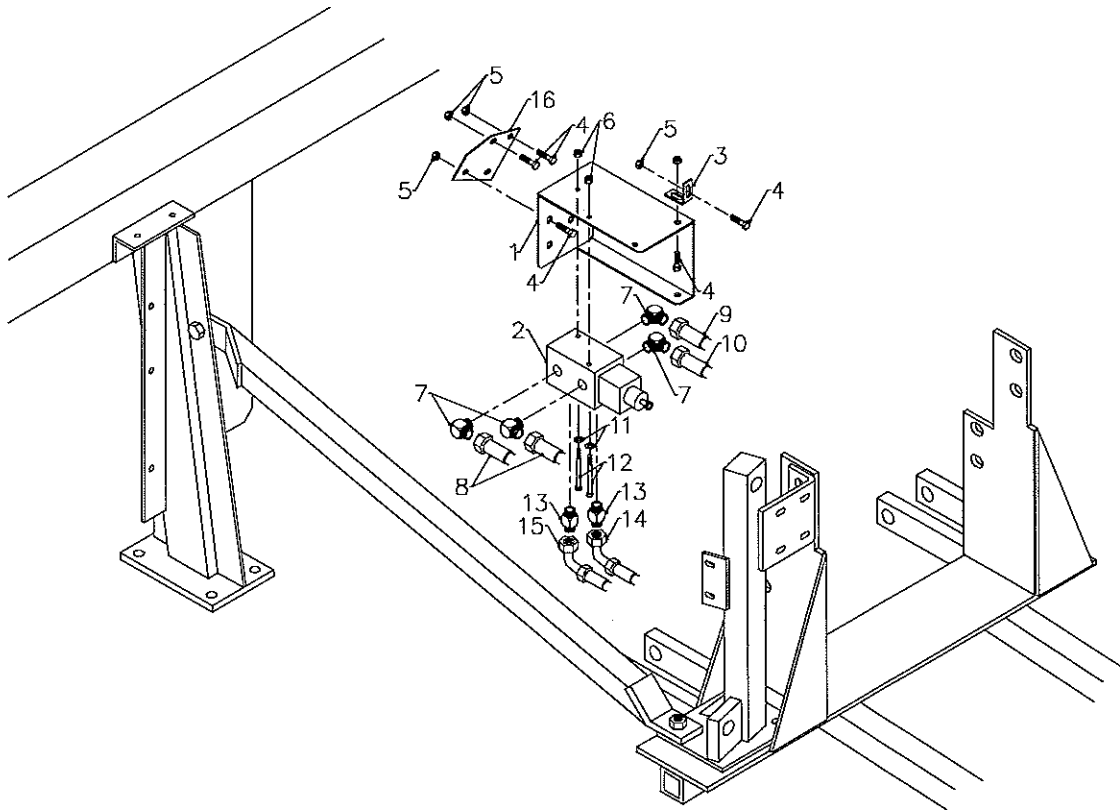
HYDRAULICS

section 4

Parts List for Figure 20

Ref.	Part No.	Description	Quantity
1	20-140	HOSE, 1/2 X 37 -8 FJIC	2
2	016319	SPACER	1
3	016344	HOSE, FLOW CONTROL TO CUTTER MOTOR	1
4	002003	HOSE, CUTTER MOTOR TO COOLER	1
5	016342	HOSE, FLOW CONTROL TO CONVEYOR MOTOR	1
	016712	HOSE, FLOW CONTROL- 24"	1
6	20-106	HOSE, CONV. MOTOR TO FLOW- 16/18"	1
	20-108	HOSE, CONV. MOTOR TO FLOW- 24"	1
7	H4067	VALVE, FLOW CONTROL	2
	E0002	O-RING FOR H4067	2
8	H8046	HANDLE FOR VALVE H4067	1
9	6109112	PANEL, CONTROL	1
10	90-0510	BOLT, 5/16 X 1-1/4	3
11	90-0536	BOLT, 5/16 X 4-1/2	1
12	94-05	FLAT WASHER, 5/16	7
13	99-E12	FLANGE NUT, 5/16	4
14	H4094	KNOB FOR H4089 (SEE PAGE 4-7)	2
	21-085	HANDLE, LONG FOR H4089 (SEE PAGE 4-7)	1
	21-086	HANDLE, SHORT FOR H4089 (SEE PAGE 4-7)	1
	21-087	CAP, LEVER BOX FOR H4089 (SEE PAGE 4-7)	2
15	25-2103-8-8	FITTING, 90 -8 MPT X -8 M JIC	4
16	25-0503-10-10	FITTING, STR -10 M ORB/-10 M JIC	1
17	H6192	FITTING, ELBOW 90 DEG F #10 JIC	1
18	016711	CLAMP, SINGLE HOSE	1
19	99-E40	LOCKNUT, NYLON 3/8	1

Depth Control
Figure 20A



Parts List for Figure 20A

Ref.	Part No.	Description	Quantity
1	002357	BRACKET, SELECTOR VALVE	1
2	23-133	VALVE, SOLENOID SELECTOR	1
3	6109149	VALVE BRACKET	1
4	90-0506	BOLT, 5/16 X 3/4	5
5	99-E12	FLANGE NUT, 5/16	5
6	99-E20	FLANGE NUT, 1/4	2
7	25-2503-6-8	FITTING, 90 -6 M ORB X -8 M JIC	4
8	20-140	HOSE, 1/2 X 37 -8 F.JIC	2
9	016375	HOSE, CONVEYOR LIFT TO VALVE	1
10	016374	HOSE, VALVE TO CONVEYOR LIFT	1
11	94-04	FLAT WASHER, 1/4	2
12	90-0424	BOLT, 1/4 X 3	2
13	25-0503-6-6	FITTING, STR. -6 M ORB/-6 M JIC	2
14	20-138	HOSE, 1/4 X 110" -6 FJIC X -6	1
15	20-139	HOSE, 1/4 X 118" -6 FJIC X -6	1
16	6109147	BRACKET, VALVE MOUNT	1

SPROCKETS

section 5

Sod Harvester Sprocket Selection Chart										
CUT-OFF LENGTH (Inches) (metric)	18" 46cm	24" 61cm	36" 91cm	40 1/2" 103cm	45" 114cm	48" 122cm	48.4" 123cm	51.6" 131cm	54" 137cm	56" 142cm
8 - inch Roller Sprocket	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T
10 - inch Roller Sprocket	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T
Roller Bushing	For Machines with 16-inch and 18 - inch cutterhead Use 83-H18 For Machines with 24 - inch cutterhead Use 83-H20									
Roller Key	Use 124422 for ALL units.									
Jackshaft Sprocket L.H. 8 - inch Roller	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T
Jackshaft Sprocket L.H. 10 - inch Roller	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T
Jackshaft Sprocket R.H.	D1407 21T	D1404 18T	D1407 21T	D1407 21T	D1404 18T	D1403 17T	D1405 19T	D1409 23T	D1404 18T	D1403 17T
Jackshaft Bushing	Use 83-H16SPL for ALL units.									
Jackshaft Key	Use 124422 for ALL units.									
Camshaft Sprocket	D1401 15T	D1402 16T	D1441 28T	D1419 32T	D1418 31T	D1418 31T	D1421 34T	D1431 44T	D1423 36T	D1423 36T
Camshaft Bushing	83-H16SPL		Use 83-P116 Bushing							
Camshaft Key	Use G8019 for ALL units.									
Return Stop	001794	001793	001792	001791	016619	001790	001790	016618	014645	014645
Roll Up System Sprockets										
Roll Up Sprocket				D1418 31T	D1411 25T	D1411 25T	D1411 25T	D1409 23T	D1410 24T	D1409 23T
Roll Up Bushing				83-P116	Use 83-H16SPL Bushing					
Roll Up Key				USE G8019 for ALL units.						
Driveshaft Sprocket				D1106 16T	D1106 16T	D1106 16T	D1106 16T	D1106 16T	D1108 18T	D1108 18T
Driveshaft Key				USE 124458 for ALL units.						
4 - inch Roller (rubber mat) (mintex mat)				On units with rubber mat USE D1104 On units with mintex mat USE D1109						
4" Roller Drive (rubber mat) (mintex mat)				On units with rubber mat USE D1113 On units with mintex mat USE D1110						

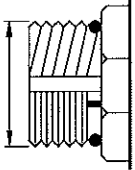
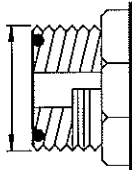
SPROCKETS

section 5

60" 152cm	64.6" 164cm	68.9" 175cm	72" 183cm	72.8" 185cm	77.6" 197cm	80" 203cm	81" 206cm	85.8" 218cm	90" 229cm	96.9" 246cm	98" 249cm
D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1401 15T	D1401 15T	D1401 15T	D1401 15T
D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1411 25T	D1411 25T	D1411 25T	D1404 18T
D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1404 18T	D1404 18T	D1404 18T	D1404 18T
D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1402 16T	D1410 24T	D1410 24T	D1423 36T	D1410 24T
D1408 22T	D1404 18T	D1402 16T	D1404 18T	D1402 16T	D1401 15T	D1403 17T	D1402 16T	D1403 17T	D1402 16T	D1401 15T	D1401 15T
D1435 50T	015443 43T	D1428 41T	D1434 48T	015443 43T	015443 43T	D1435 50T	D1434 48T	D1432 45T	D1432 45T	D1416 30T	D1420 33T
Use 83-P116 Bushing											
001788	001802	001801	001787	001787	001799	001376	001376	001800	015553	014974	014974
D1411 25T	D1410 24T	D1402 16T	D1402 16T	D1402 16T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1406 20T	D1402 16T	D1402 16T
Use 83-H16SPL Bushing											
D1117 21T	D1117 21T	D1103 15T	D1103 16T	D1103 15T	D1111 20T	D1111 20T	D1111 20T	D1117 21T	D1117 21T	D1108 18T	D1108 18T

SPROCKETS

section 5

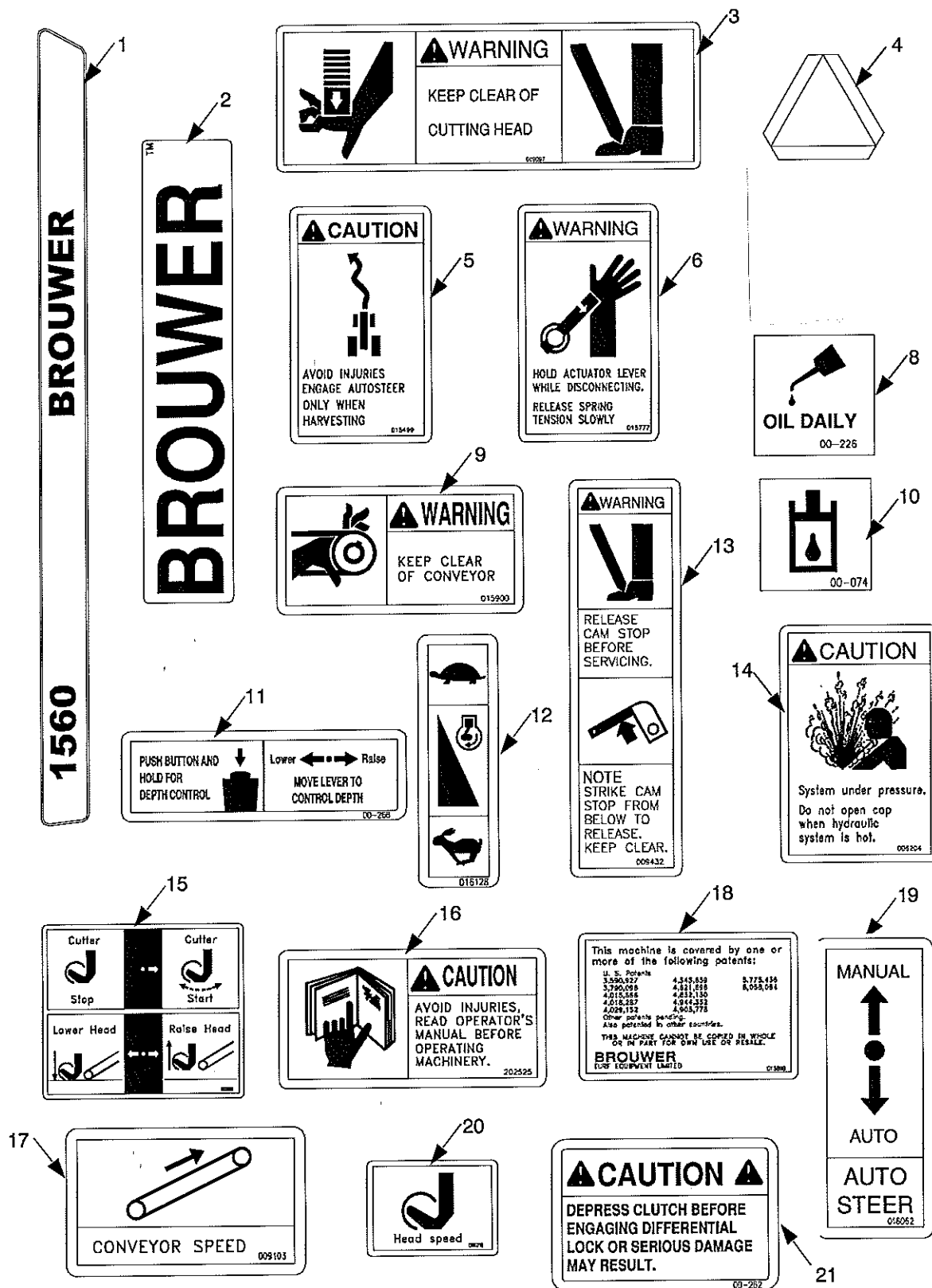
O-RING REFERENCE SHEET FOR HYDRAULIC FITTINGS			
DASH SIZE		BOSS O-RING ORB	PART NUMBER
2 3 4	5/16 - 24 3/8 - 24 7/16 - 20	SAE DASH 2-1 SAE DASH 3-1 SAE DASH 4-1	E0059
5 6 8	1/2 - 20 9/16 - 18 3/4 - 16	SAE DASH 5-1 SAE DASH 6-1 SAE DASH 8-1	E0060 E0061 E0062
10 12 14	7/8 - 14 1-1/16 - 12 1-3/16 - 12	SAE DASH 10-1 SAE DASH 12-1 SAE DASH 14-1	E0063 E0064 E0065
16 20 24 32	1-5/16 - 12 1-5/8 - 12 1-7/8 - 12 2-1/2 - 12	SAE DASH 16-1 SAE DASH 20-1 SAE DASH 24-1 SAE DASH 32-1	E0066 E0067
DASH SIZE		FACE SEAL O-RING SIZE NO. PER SAE J120 ORF	PART NUMBER
4 6 8	9/16 - 18 11/16 - 16 13/16 - 16	011 012 014	E0071 E0072
10 12 16	1 - 14 1-3/16 - 12 1-7/16 - 12	016 018 021	
BREAKDOWN OF FITTING DESCRIPTION FOR O-RING SELECTION FITTING, ELBOW 90 DEG - M#6 ORB X M#6 ORE TYPE M=MALE F=FEMALE DASH NO. O-RING BOSS O-RING FACE			

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Decals

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Decals
Figure 21

DECALS

section 6

Parts List for Figure 21

Ref.	Part No.	Description	Quantity
1	00-278	DECAL, BROUWER 1560 (SET OF 2)	1
2	401257	DECAL, "BROUWER"	2
3	009097	DECAL, WARNING CUTTING HEAD	1
4	00-230	DECAL, SLOW MOVING VEHICLE	1
5	015499	DECAL, CAUTION AUTOSTEER	1
6	015777	DECAL, WARNING ACTUATOR LEVER	1
7			
8	00-226	DECAL, OIL DAILY	1
9	015900	DECAL, WARNING KEEP CLEAR	2
10	00-074	DECAL, HYDRAULIC OIL SYMBOL	1
11	00-268	DECAL, HYDRAULIC DEPTH	1
12	016128	DECAL, ENGINE THROTTLE	1
13	009432	DECAL, WARNING CAM STOP	1
14	006204	DECAL, CAUTION HOT HYDRAULIC	1
15	002302	DECAL, LIFT & CUTTER LEVERS	1
16	202525	DECAL, CAUTION READ MANUAL	1
17	009103	DECAL, CONVEYOR SPEED	1
18	015899	DECAL, PATENTS	1
19	016062	DECAL, AUTOSTEER CONTROL INFO	1
20	006219	DECAL, HEAD SPEED	1
21	00-262	DECAL, CAUTION DEPRESS CLUTCH	1
*	00-267	DECAL, CUTTERHEAD DEPTH INDICATOR	1

* Not Illustrated

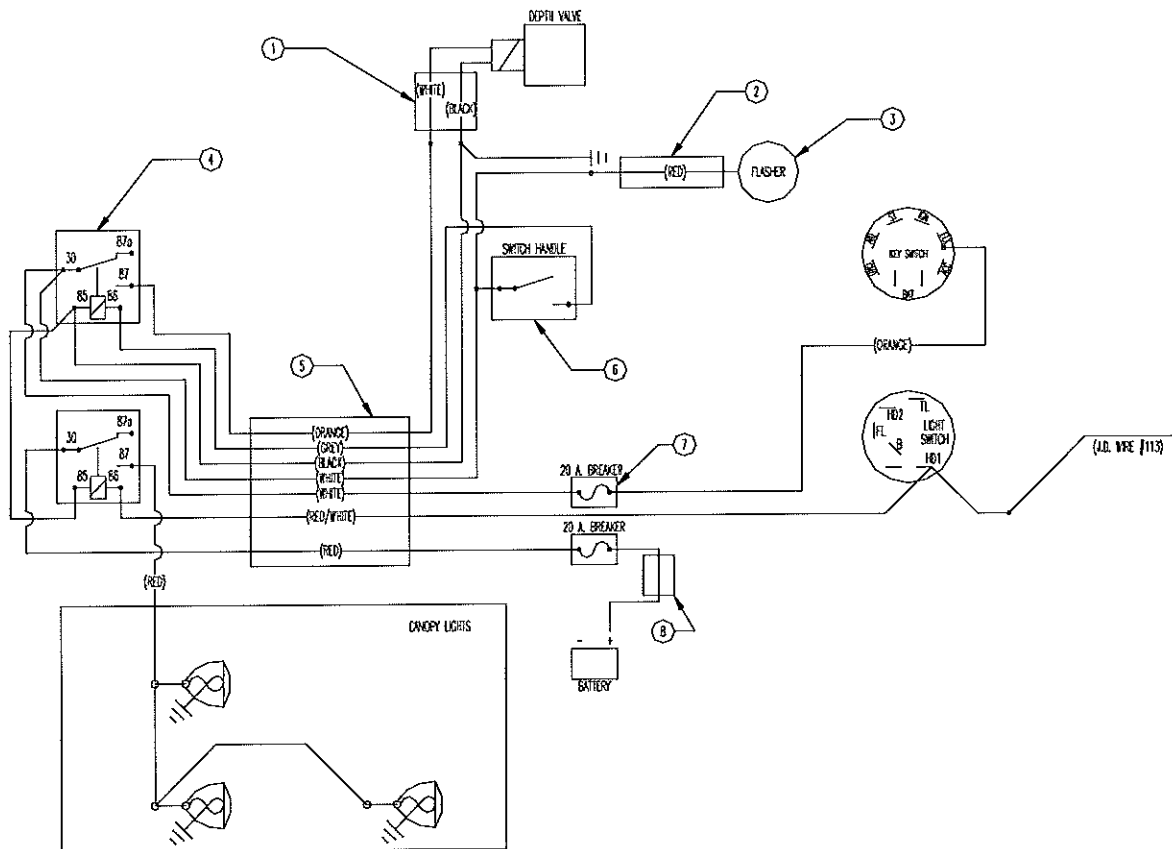
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Electrical Schematic
Figure 22



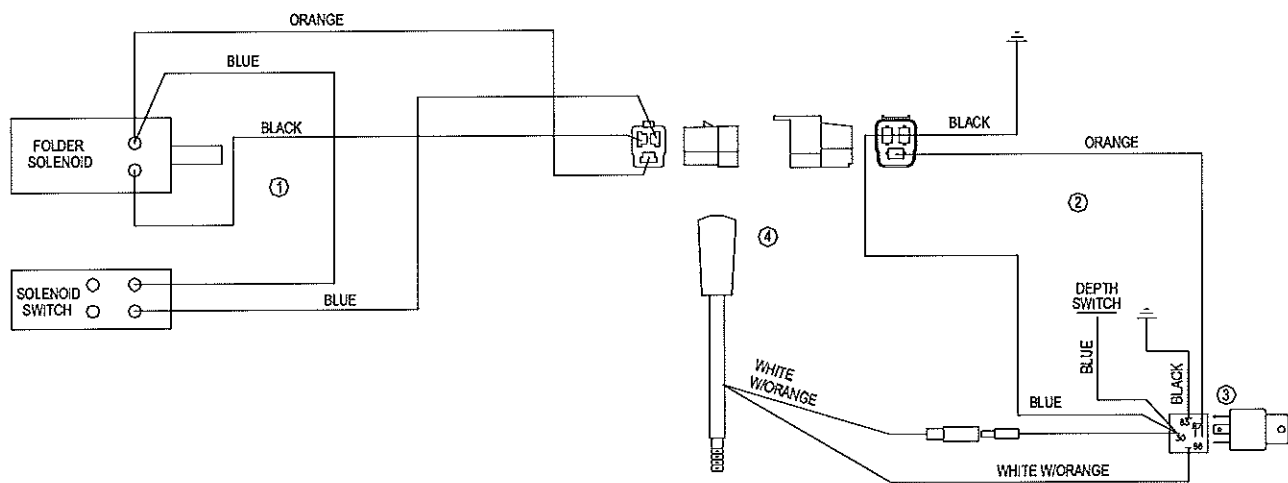
ELECTRICAL

section 7

Parts List for Figure 22

<u>Ref.</u>	<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
1	002407	HARNESS, SELECTOR VALVE	1
2	002410	HARNESS, FLASHER	1
3	33-028	FLASHER	1
4	35-067	RELAY	2
5	30-368	HARNESS, MAIN	1
6	002249	SWITCH, HANDLE	1
7	30-114	20A. BREAKER	2
8	30-369	HARNESS, POWER	1

Folder Electrical Schematic
Figure 22A



Parts List for Figure 22A

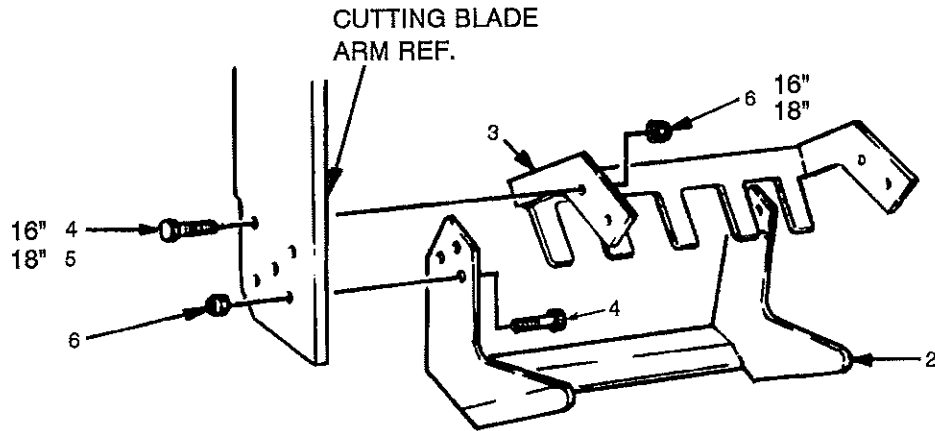
Ref	Part no.	Description	Quantity
	002252	FOLDER HARNESS ASSEMBLY	1
1	002251	FOLDER CONVEYOR HARNESS	1
2	002250	FOLDER DASH HARNESS	1
3	35-067	RELAY, SEALED PLASTIC	1
4	002249	OVER-RIDE SWITCH, LEVER	1

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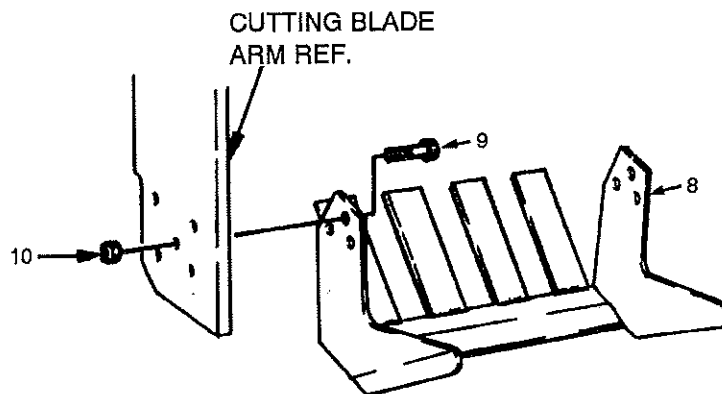
CUTTING BLADE OPTIONS

section 8

Cutting Blade Kits
Figure 23



- 1** STANDARD BLADE WITH
SOD GUIDE BRACKET
STANDARD ON 16" & 18"
OPTION ON 24"



- 7** SOD BLADE WITH
FINGERS STANDARD ON 24"
OPTION ON 16" & 18"

CUTTING BLADE OPTIONS

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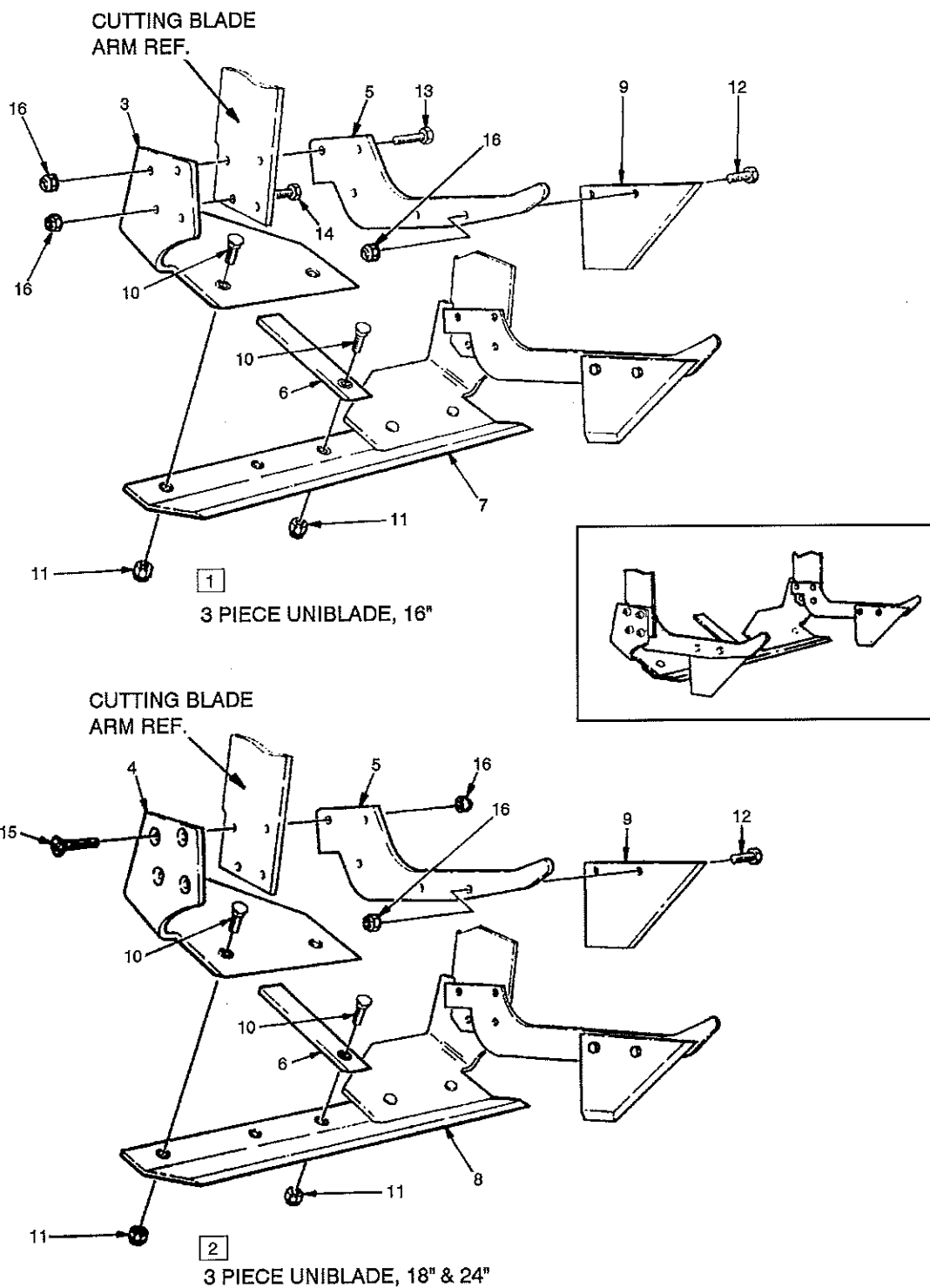
Parts List for Figure 23

Ref.	Part No.	Description	Quantity
1	A03118	KIT, STANDARD CUTTING BLADE-16" WIDE	1
	A03119	KIT, STANDARD CUTTING BLADE-18" WIDE	1
	A03927	KIT, STANDARD CUTTING BLADE-24" WIDE	1
2	015638	CUTTING BLADE STANDARD 16"	1
	015639	CUTTING BLADE STANDARD 18"	1
	015640	CUTTING BLADE STANDARD 24"	1
3	002403	GUIDE, SOD (16" CONVEYOR)	1
	002404	GUIDE, SOD (18" CONVEYOR)	1
	002405	GUIDE, SOD (24" CONVEYOR)	1
4	515011	BOLT, HHCS 5/16 X 1 (16" CONVEYOR)	10
	515011	BOLT, HHCS 5/16 X 1 (18" CONVEYOR)	6
5	F2717	SCREW, HEX SOCKET CAP FLAT (18" CONVEYOR)	4
6	F2002	NUT, HEX 5/16	10
7	A03121	KIT, COMBINATION CUTTING BLADE-16" WIDE	1
	A03122	KIT, COMBINATION CUTTING BLADE-18" WIDE	1
	A03123	KIT, COMBINATION CUTTING BLADE-24" WIDE	1
8	015642	CUTTING BLADE COMBO 16"	1
	015643	CUTTING BLADE COMBO 18"	1
	015644	CUTTING BLADE COMBO 24"	1
9	515011	BOLT, HHCS 5/16 X 1	6
10	F2002	NUT, HEX 5/16	6

CUTTING BLADE OPTIONS

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Uniblade Options
Figure 24



CUTTING BLADE OPTIONS

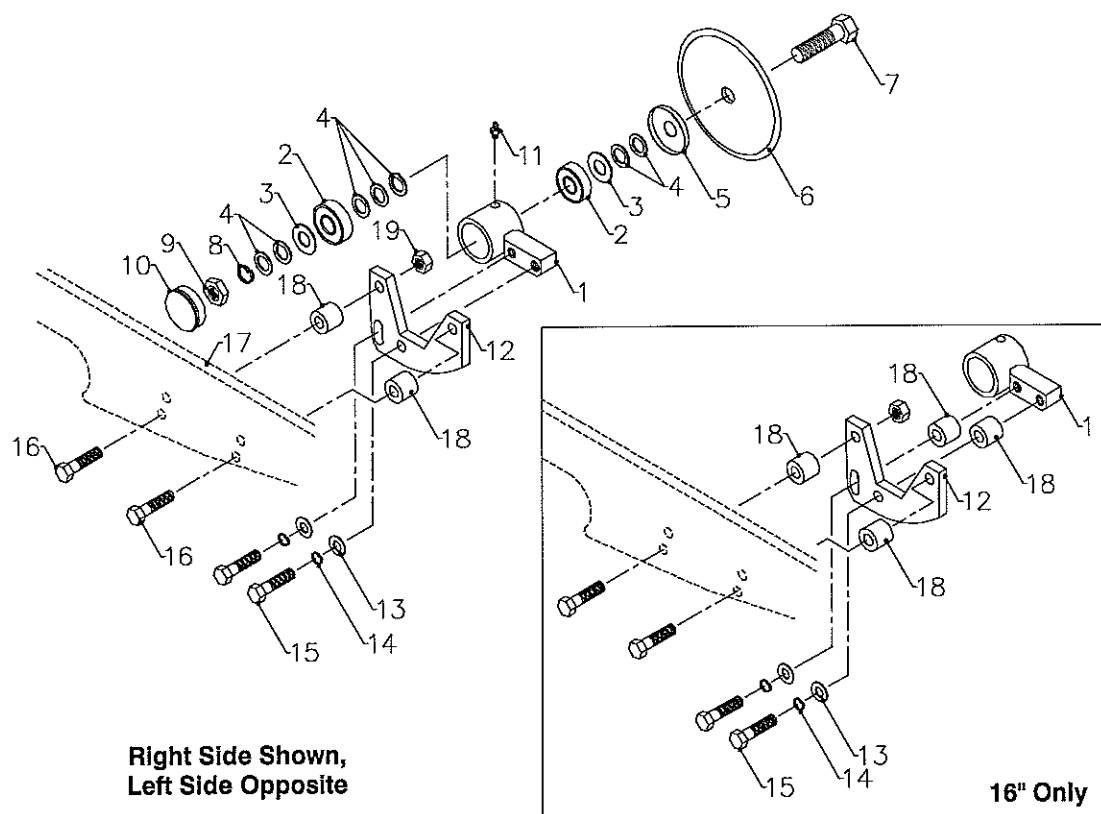
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Parts List for Figure 24

Ref.	Part No.	Description	Quantity
1	A03356	KIT, UNIBLADE 16" WIDE	1
2	A03357	KIT, UNIBLADE 18" WIDE	1
	A03358	KIT, UNIBLADE 24" WIDE	1
3	015178	BLADE HOLDER, RH 16"	1
	015177	BLADE HOLDER, LH 16"	1
4	015180	BLADE HOLDER, RH 18" & 24"	1
	015179	BLADE HOLDER, LH 18" & 24"	1
5	015183	SIDE BLADE HOLDER	2
6	015184	SOD GUIDE, CENTER	1
	015184	SOD GUIDE, CENTER (24")	2
7	001547	BLADE, 16" BROUWER BOTTOM	1
	002268	BLADE, 16" (HEAVY DUTY) BOTTOM	1
8	001548	BLADE, 18" BROUWER BOTTOM	1
	002269	BLADE, 18" (HEAVY DUTY) BOTTOM	1
	001549	BLADE, 24" BROUWER BOTTOM	1
	002270	BLADE, 24" (HEAVY DUTY) BOTTOM	1
9	001550	BLADE, SIDE CUTTER .093 X 3.25	2
*	002267	BLADE, SIDE CUTTER 4" WIDE (OPTION)	A/R
10	F3701	BOLT, PLOW	5
	F3701	BOLT, PLOW (24")	6
11	F3013	NUT, FLANGED STOVER LOCK	5
	F3013	NUT, FLANGED STOVER LOCK (24")	6
12	F2723	BOLT, 5/16 X 3/4	4
13	F2716	BOLT, 5/16 X 1-1/2	6
14	515011	BOLT, HHCS 5/16 X 1	2
15	F2717	SCREW, HEX SOCKET CAP *FLAT*	8
16	F2002	NUT, HEX 5/16	12

* Not Illustrated

Coulter Blade Option
Figure 24A



CUTTING BLADE OPTIONS

section 8

Parts List for Figure 24A

Ref.	Part No.	Description	Quantity
	A03983	ASSEMBLY, COULTER ARM (RH)	1
	A03984	ASSEMBLY, COULTER ARM (LH)	1
1	002426	ARM ASSEMBLY, COULTER (RH)	1
	002425	ARM ASSEMBLY, COULTER (LH)	1
2	55-Z9504AB	BALL BEARING, 3/4 ID	4
3	99-B49	WASHER, SHIM	4
4	99-B34	WASHER, MACH. 3/4 ID 18 GA.	14
5	53-150	CAP, BEARING HOUSING	2
6	002377	BLADE, COULTER	2
7	002376	BOLT, COULTER ARM	2
8	96-12	LOCK WASHER, 3/4	2
9	F7013	JAM NUT, 3/4	2
10	53-060	HUB CAP	2
11	29-010	GREASE FITTING, 1/4	2
12	006573	BRACKET, COULTER	2
*	006575	TEMPLATE, COULTER (RH)	1
*	006576	TEMPLATE, COULTER (LH)	1
13	94-08	FLAT WASHER, 1/2	4
14	96-08	LOCK WASHER, 1/2	4
15	90-0812	BOLT, 1/2 X 1-1/2 (18" or 24")	4
	90-0820	BOLT, 1/2 X 2-1/2 (16")	4
16	90-0822	BOLT, 1/2 X 2-3/4	4
17	REF	FRAME, SIDE PLATE	
18	006578	SPACER, 13/16" LONG (FOR 18" CUTTERHEAD)	4
	006583	SPACER, 15/16" LONG (FOR 16" CUTTERHEAD)	8
	006583	SPACER, 15/16" LONG (FOR 24" CUTTERHEAD)	4
19	F5018	NUT, FLANGED STOVER	4

* Not Illustrated

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Complete Roll-up Conveyor	9-14

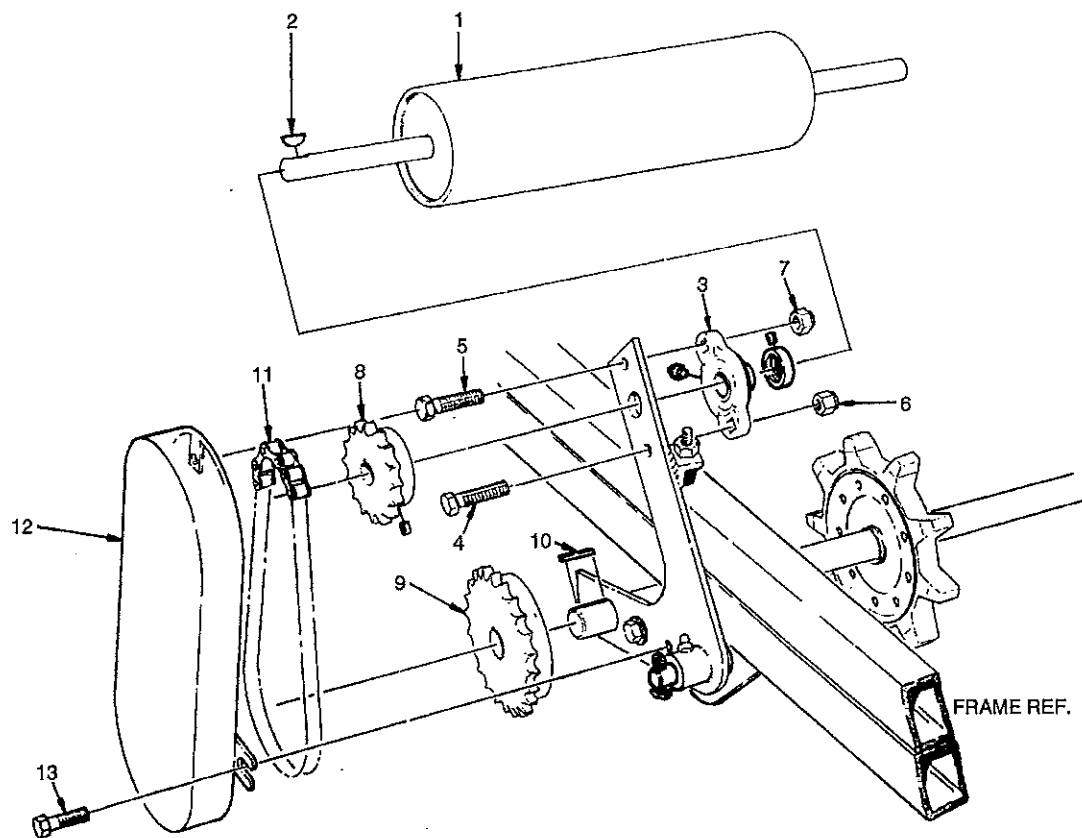
A kit is available which contains all the items required
to convert a Slabbing or Folding Conveyor to a Roll-up.

ROLL-UP CONVERSION KIT: PART NO. A03647 (16/18") or A03648 (24")

ADDITIONAL PARTS ARE REQUIRED:

Standard Cam	2-12
Stop Return Cam	2-12
Sprockets as required	5-2
Sod Catcher/Cross Conveyor	11-2/10-2

4" Roller & Drive Assembly
Figure 25



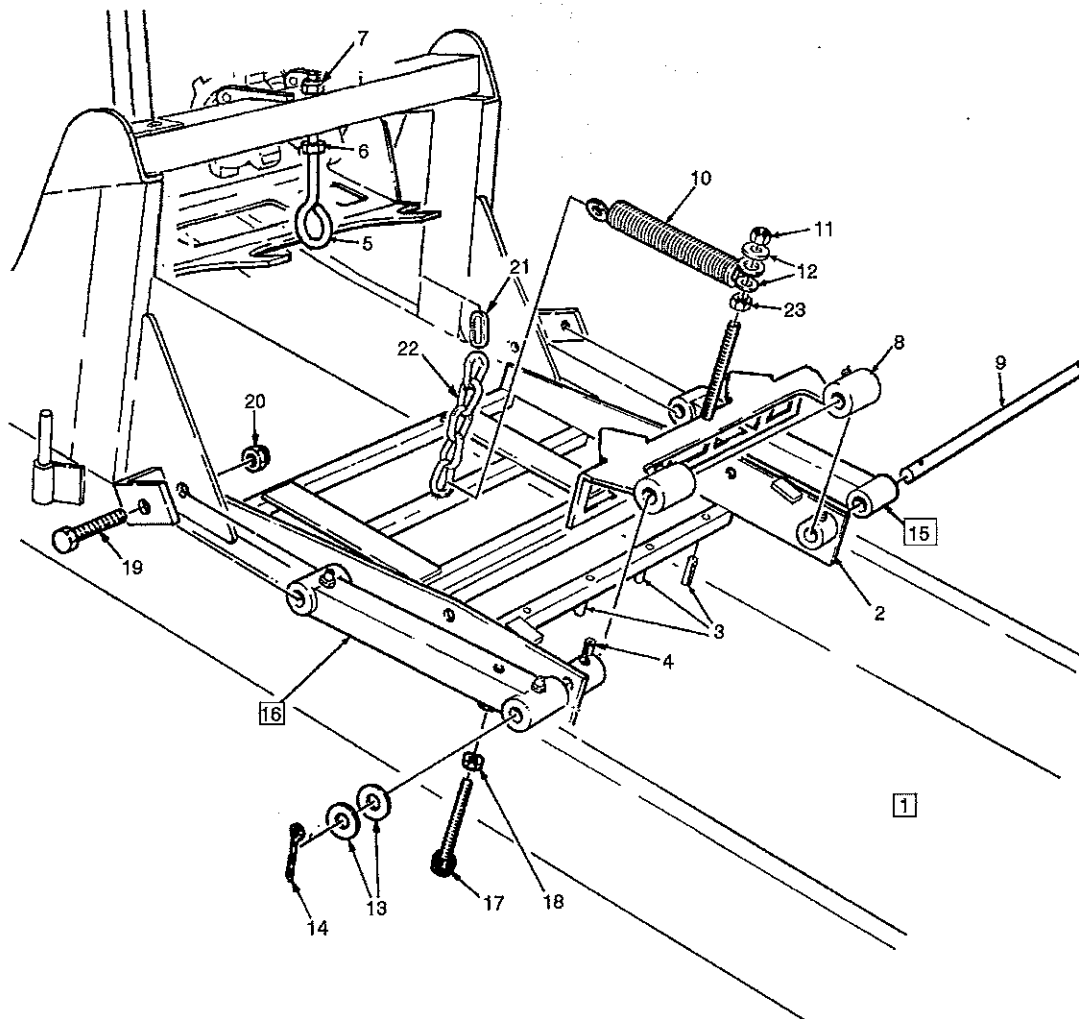
ROLL-UP SYSTEM

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Parts List for Figure 25

Ref.	Part No.	Description	Quantity
1	014204	ROLLER, 4" DIA-16/18"	1
	001437	ROLLER, 4" DIA- 24"	1
2	85-W0306	KEY, WOODRUFF 3/16 X 3/4- 16/18"	1
	G8054	KEY, WOODRUFF 3/16 X 1- 24"	1
3	B0002	BEARING, FLANGE -5/8" SET SCREW	2
4	99-K27	BOLT, FLANGE 1/4 X 1	3
5	90-0510	BOLT, 5/16 X 1-1/4	1
6	99-E20	FLANGE NUT, 1/4	3
7	99-E38	LOCKNUT, NYLON 5/16	1
8	D1104	SPROCKET, FIXED- H40 X 16T X 5/8 (RUBBER)	1
	D1109	SPROCKET, FIXED- 40 X 19T X 5/8 (MINTEX)	1
9	D1113	SPROCKET, FIXED- H40 X 24T X 3/4 (RUBBER)	1
	D1110	SPROCKET, FIXED- 40 X 19T X 3/4 (MINTEX)	1
10	85-K0310	KEY, SQ. 3/16 X 3/16 X 1-1/4	1
11	Q8008	#40 ROLLER CHAIN	1
	81-056	CONNECTOR LINK, #40	1
	81-076	HALFLINK, #40	1
12	001470	GUARD, 4" ROLLER DRIVE	1
13	99-K19	BOLT, FLANGE 5/16 X 3/4	1

Single Starter Tray, 16" & 18"
Figure 26



ROLL-UP SYSTEM

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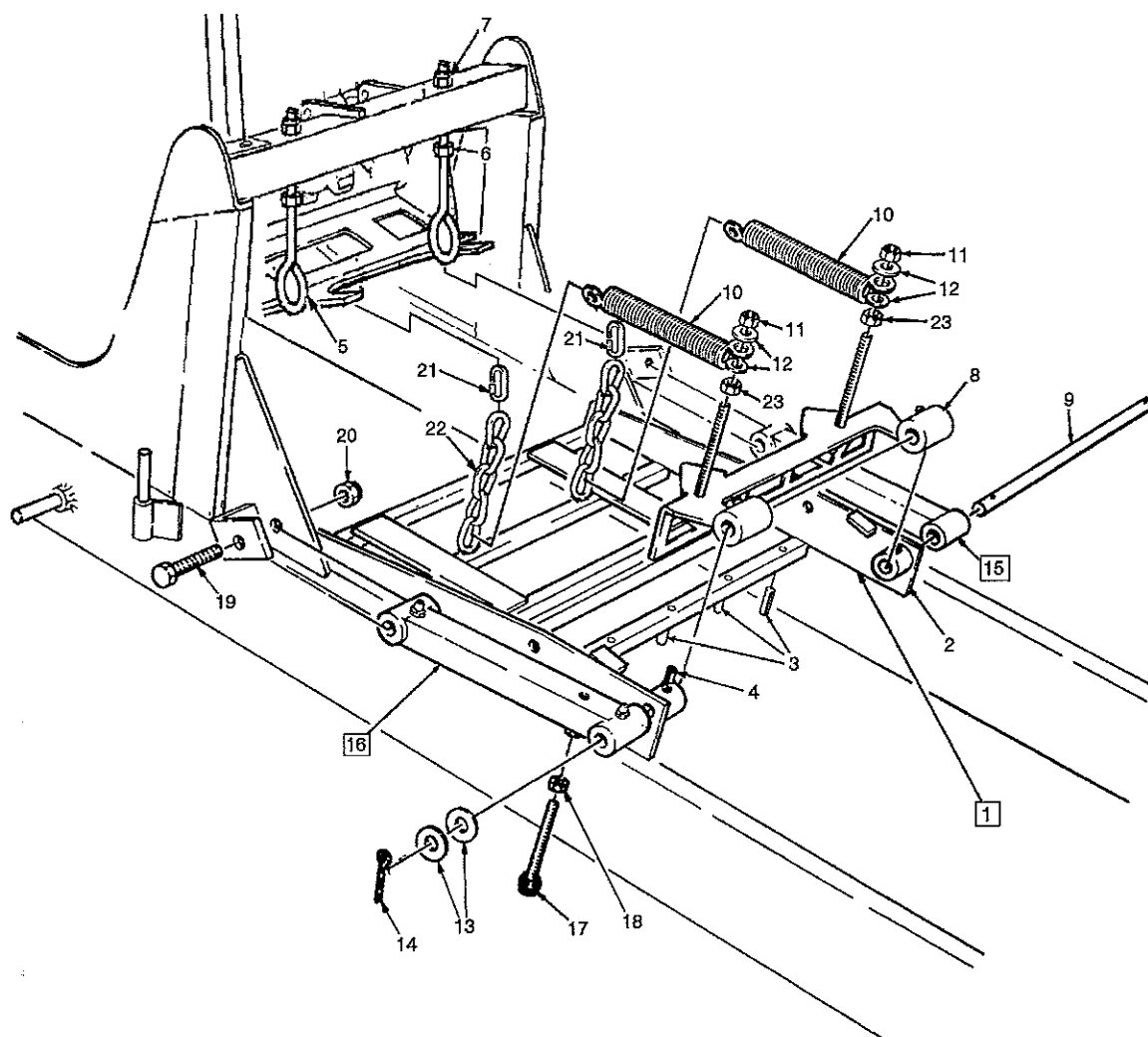
Parts List for Figure 26

Ref.	Part No.	Description	Quantity
1	A03016	ASSEMBLY, STARTER TRAY-16/18"	1
2	A03541	ASSEMBLY, STARTER TRAY FRAME	1
3	G2310	PIN, SPRING TENSION	5
4	85-SS14	SET SCREW, 3/8 X 3/8 SKTHD	2
5	002102	EYEBOLT, STARTER TRAY	1
6	92-05	NUT, 5/16	1
7	99-E38	LOCKNUT, NYLON 5/16	1
8	001379	GATE, STARTER TRAY -16/18"	1
	29-010	GREASE FITTING, 1/4	2
9	001380	SHAFT, STARTER TRAY GATE	1
10	001277	SPRING, STARTER TRAY	1
11	99-A06	LOCKNUT, STOVER 3/8	1
12	94-06	FLAT WASHER, 3/8	2
13	94-08	FLAT WASHER, 1/2	4
14	02-CP0512	COTTER PIN, 5/32 X 1-1/2	2
15	A03044	ASSEMBLY, STARTER TRAY ARM-LH	1
16	A03043	ASSEMBLY, STARTER TRAY ARM-RH	1
	29-010	GREASE FITTING, 1/4	2
17	F3748	BOLT, RUBBER HEAD 3/8	1
18	99-E21	JAM NUT, 3/8	1
19	90-0820	BOLT, 1/2 X 2-1/2	2
20	F5012	LOCKNUT, NYLON 1/2	2
21	G8084	QUICKLINK, 3/16	1
22	014825	CHAIN, STARTER TRAY	1
23	99-AC06	LOCKNUT, CENTER 3/8	1

ROLL-UP SYSTEM

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Single Starter Tray, 24"
Figure 27



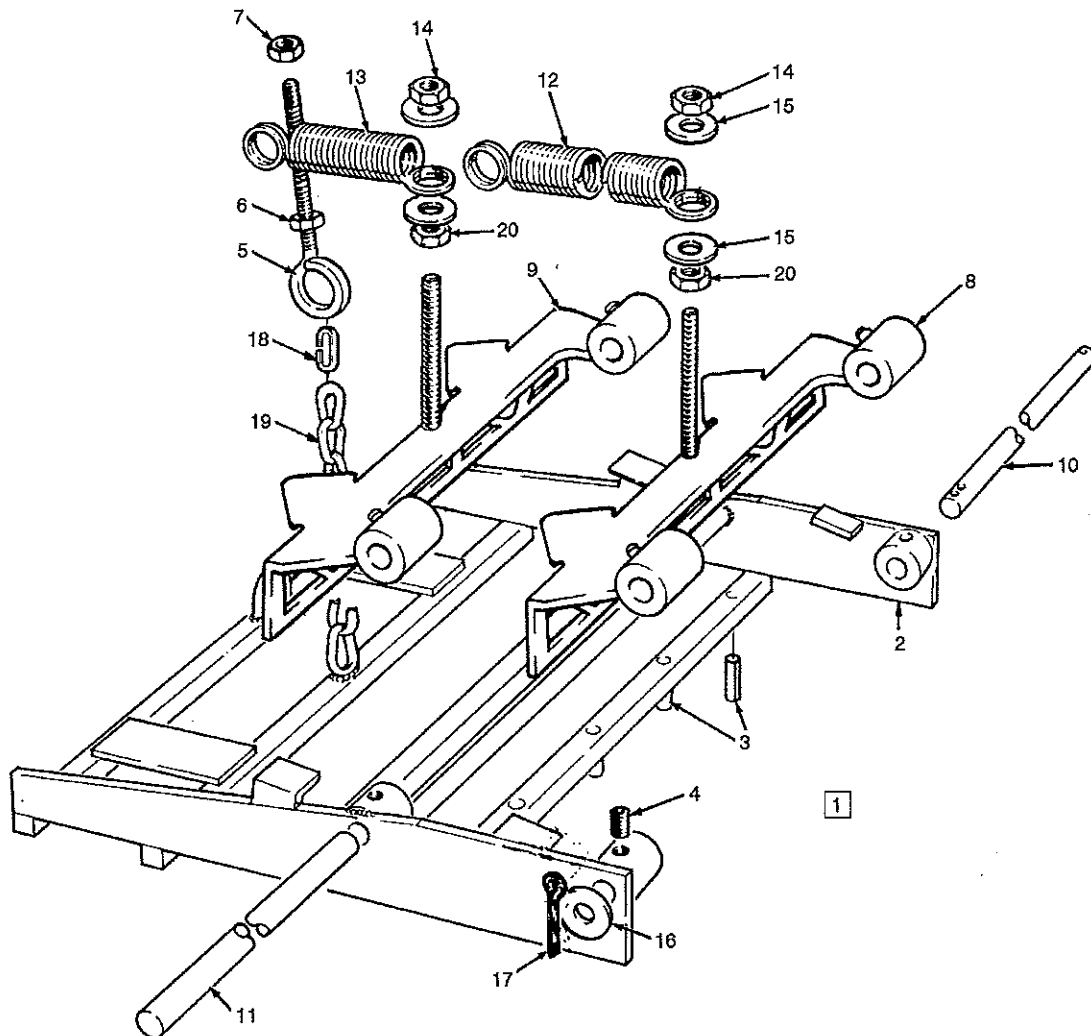
ROLL-UP SYSTEM

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Parts List for Figure 27

Ref.	Part No.	Description	Quantity
1	A03017	ASSEMBLY, STARTER TRAY -24"	1
2	A03542	ASSEMBLY, STARTER TRAY FRAME -24"	1
3	G2310	PIN, SPRING TENSION	7
4	85-SS14	SET SCREW, 3/8 X 3/8 SKTHD	2
5	002102	EYEBOLT, STARTER TRAY	2
6	92-05	NUT, 5/16	2
7	99-E38	LOCKNUT, NYLON 5/16	2
8	001457	GATE, STARTER TRAY -24"	1
	29-010	GREASE FITTING, 1/4	2
9	001381	SHAFT, GATE 24"	1
10	001277	SPRING, STARTER TRAY	2
11	99-A06	LOCKNUT, STOVER 3/8	2
12	94-06	FLAT WASHER, 3/8	4
13	94-08	FLAT WASHER, 1/2	4
14	02-CP0512	COTTER PIN, 5/32 X 1-1/2	2
15	A03044	ASSEMBLY, STARTER TRAY ARM-LH	1
16	A03043	ASSEMBLY, STARTER TRAY ARM-RH	1
	29-010	GREASE FITTING, 1/4	2
17	F3748	BOLT, RUBBER HEAD 3/8	1
18	99-E21	JAM NUT, 3/8	1
19	90-0820	BOLT, 1/2 X 2-1/2	2
20	F5012	LOCKNUT, NYLON 1/2	2
21	G8084	QUICKLINK, 3/16	2
22	014825	CHAIN, STARTER TRAY	2
23	99-Ac06	LOCKNUT, CENTER 3/8	2

Double Starter Tray, 16" & 18"
Figure 28



ROLL-UP SYSTEM

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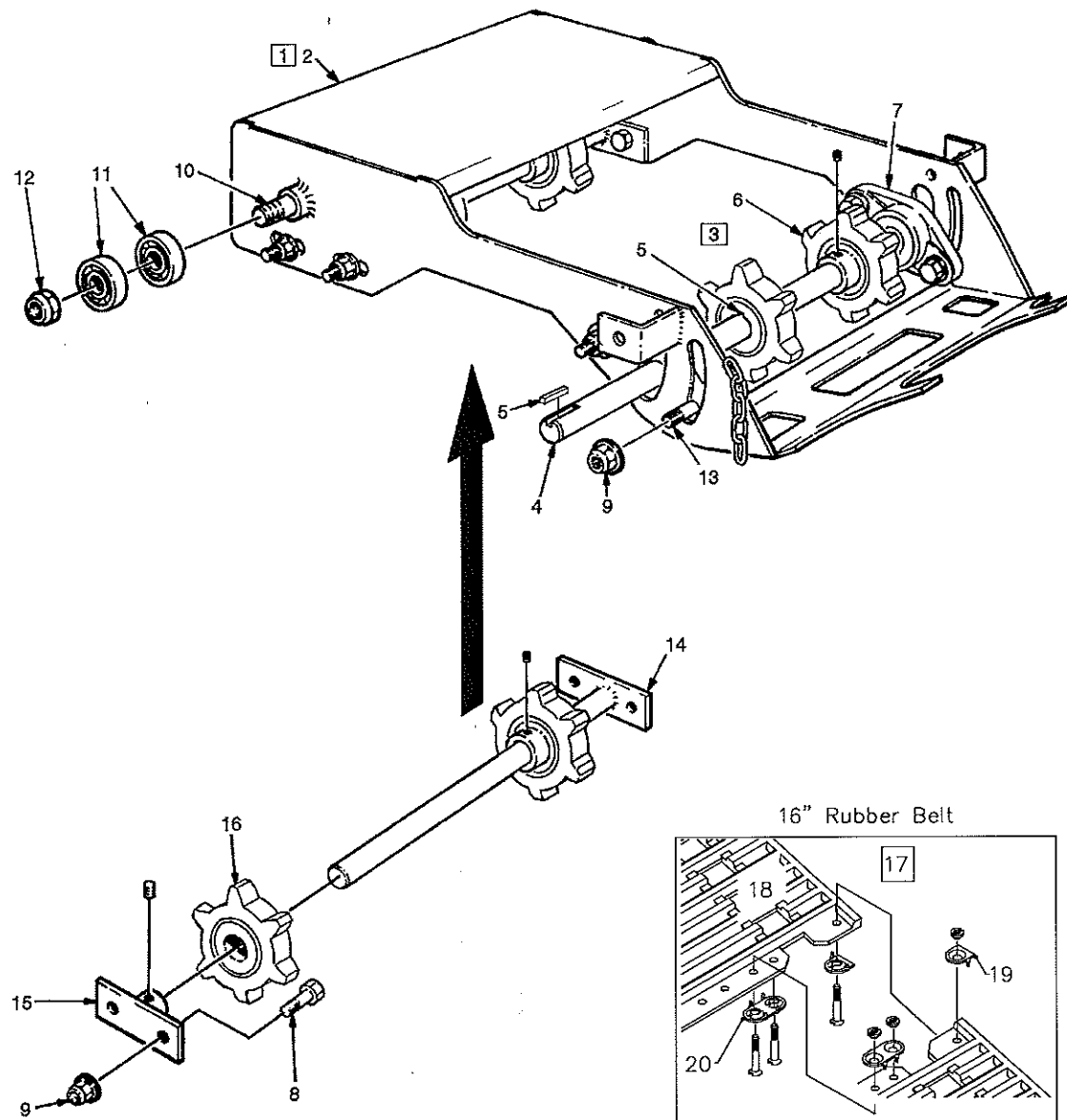
Parts List for Figure 28

<u>Ref.</u>	<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
1	A03140	ASSEMBLY, DOUBLE STARTER	1
2	A03543	ASSEMBLY, STARTER TRAY FRAME	1
3	G2310	PIN, SPRING TENSION	5
4	85-SS14	SET SCREW, 3/8 X 3/8 SKTHD	4
5	002102	EYEBOLT, STARTER TRAY	1
6	92-05	NUT, 5/16	1
7	99-E38	LOCKNUT, NYLON 5/16	1
8	001379	GATE, STARTER TRAY -16/18"	1
	29-010	GREASE FITTING, 1/4	2
9	001838	GATE, STARTER TRAY -16/18" DOUBLE	1
	29-010	GREASE FITTING, 1/4	2
10	001380	SHAFT, STARTER TRAY GATE	1
11	015700	SHAFT	1
12	001277	SPRING, STARTER TRAY	1
13	001279	SPRING, SCRAPER BLADE	1
14	99-A06	LOCKNUT, STOVER 3/8	2
15	94-06	FLAT WASHER, 3/8	4
16	94-08	FLAT WASHER, 1/2	4
17	02-CP0512	COTTER PIN, 5/32 X 1-1/2	2
18	G8084	QUICKLINK, 3/16	1
19	014825	CHAIN, STARTER TRAY	1
20	99-AC06	LOCKNUT, CENTER 3/8	2

ROLL-UP SYSTEM

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Basic Roll-up Conveyor, 16" & 18"
Figure 29



ROLL-UP SYSTEM

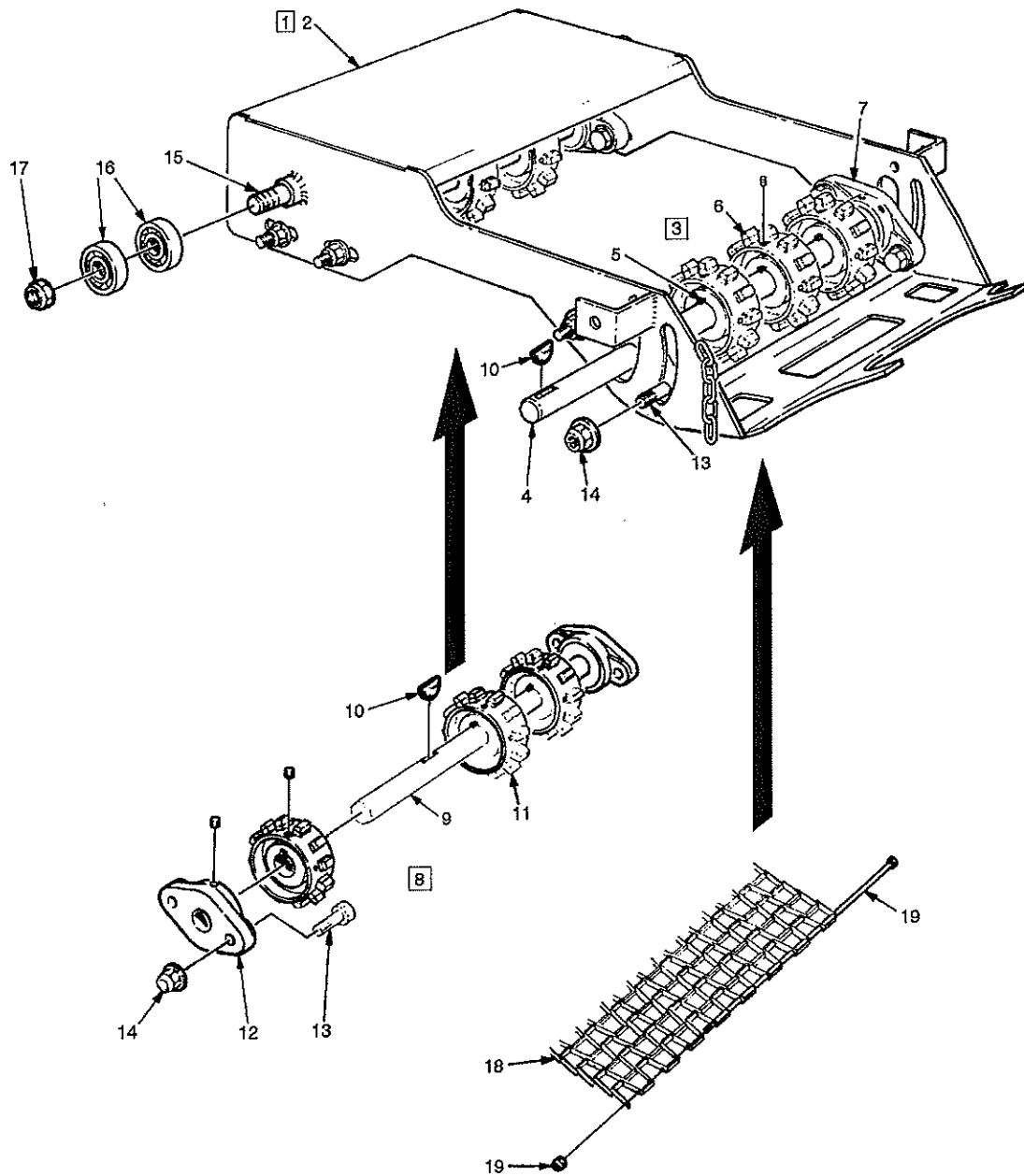
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Parts List for Figure 29

Ref.	Part No.	Description	Quantity
1	A03659	ASSEMBLY, RUBBER ROLLUP-16/18"	1
2	016601	FRAME, ROLLUP TRAY	1
3	A03696	ASSEMBLY, ROLLUP IDLER SHAFT	1
4	002609	SHAFT, ROLL-UP DRIVE	1
5	124424	KEY, 1/4" X 1/4" X 1-1/2"	3
6	A03186	ASSEMBLY, DRIVE SPROCKET	2
	F1610	SETSCREW, 1/4	2
	200556	HUB, SPROCKET DRIVE	2
	014268	DRIVE SPROCKET	2
7	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
8	90-0710	BOLT, 7/16 X 1-1/4	4
9	F4008	NUT, FLANGED STOVER	8
10	90-1228	BOLT, 3/4 X 3-1/2	2
11	B2048	BEARING, BALL- 3/4" SHAFT DIA.	4
12	99-A12	LOCKNUT, STOVER 3/4	2
13	90-0712	BOLT, 7/16 X 1-1/2	4
14	014580	SHAFT, ROLLUP IDLER	1
15	015429	MOUNT, SHAFT	1
	85-SS09	SETSCREW, 5/16	1
16	014268	DRIVE SPROCKET	2
	B2022	BEARING, BALL 1" (SETSCREW)	1
17	A02008	KIT, ROLLUP 16/18"	1
18	002640	BELT, ROLLUP OPTION	1
19	002641	HALF MAT SPLICER	2
20	G8008	MAT SPLICER	3
*	M5016	NUT DRIVER	1
*	03-028	CLIP, TRACK (WIDE)	A/R

* Not Illustrated

Basic Roll-up Conveyor, 24"
Figure 30



ROLL-UP SYSTEM

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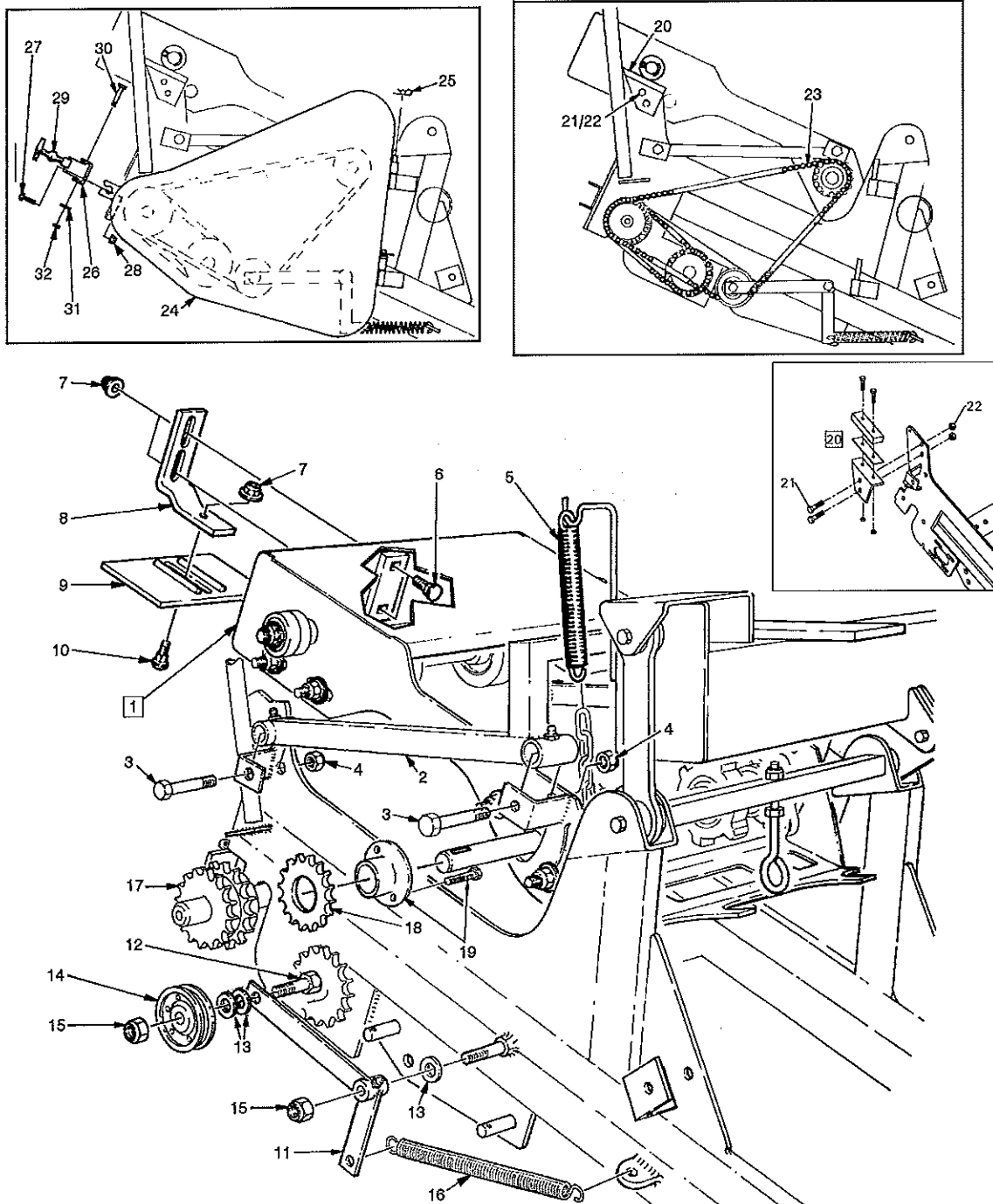
Parts List for Figure 30

Ref.	Part No.	Description	Quantity
1	A03660	ASSEMBLY, MINTEX ROLLUP -24"	1
2	016602	FRAME, ROLLUP TRAY -24"	1
3	A03027	ASSEMBLY, MINTEX ROLLUP DRIVE SHAFT	1
4	001390	SHAFT, DRIVE- ROLL UP	1
5	124422	KEY, 1/4 X 1/4 X 1-3/8	4
6	001348	SPROCKET, 4" CAST	3
	85-SS09	SET SCREW, 5/16 X 3/8 SKTHD	2
7	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
8	A03694	ASSEMBLY, ROLLUP IDLER SHAFT -24" MINTEX	1
9	016720	SHAFT, ROLLUP IDLER -24" M/C	1
10	G8019	KEY, WOODRUFF 1/4 X 1"	3
11	001348	SPROCKET, 4" CAST	3
	85-SS09	SET SCREW, 5/16 X 3/8 SKTHD	2
12	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
13	90-0710	BOLT, 7/16 X 1-1/4	8
14	F4008	NUT, FLANGED STOVER	8
15	90-1228	BOLT, 3/4 X 3-1/2	2
16	B2048	BEARING, BALL -3/4" SHAFT DIA.	4
17	99-A12	LOCKNUT, STOVER 3/4	2
18	001499	BELT, MINTEX ROLLUP 41 BUTTON	1
19	A03487	ASSEMBLY, MAT CONNECTOR	1

ROLL-UP SYSTEM

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Complete Roll-up Conveyor
Figure 31



Parts List for Figure 31

Ref	Part no.	Description	Quantity
1	A03659	ASSEMBLY, RUBBER ROLLUP -16/18"	1
	A03660	ASSEMBLY, MINTEX ROLLUP -24"	1
2	001707	FRAME, TRAY REINFORCEMENT -16/18"	1
	001710	FRAME, TRAY REINFORCEMENT -24"	1
	29-010	GREASE FITTING, 1/4	4

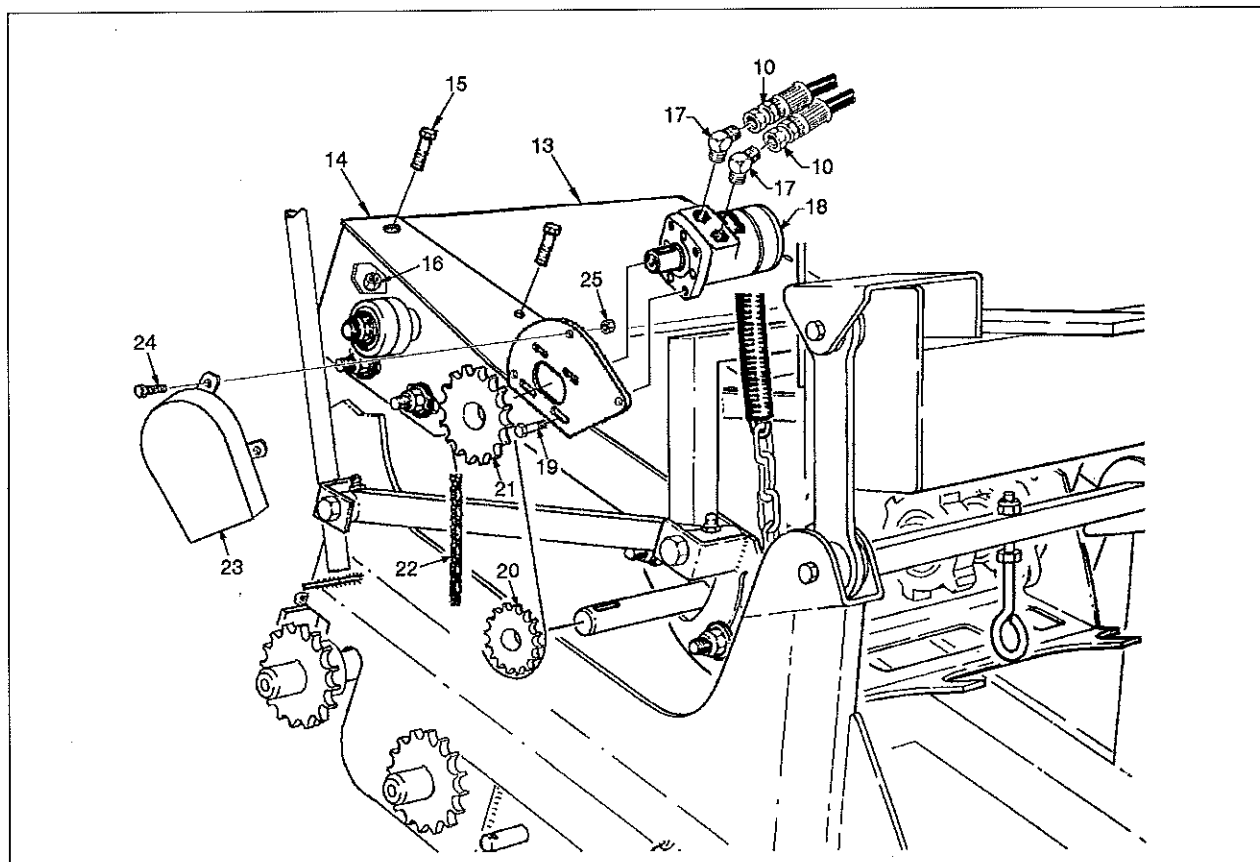
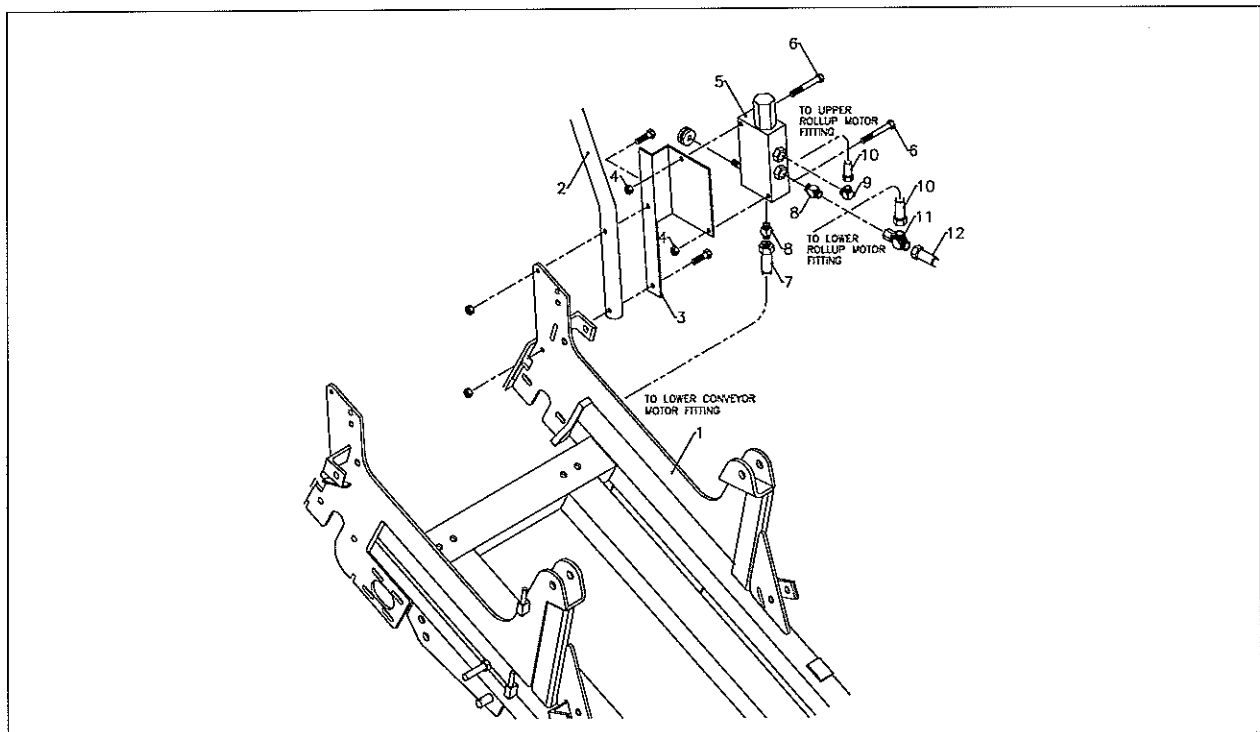
ROLL-UP SYSTEM

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Parts List for Figure 31 continued

Ref	Part no.	Description	Quantity
3	90-0824	BOLT, 1/2 X 3	4
4	F5012	NUT, NYLON INSERT	4
5	S2003	SPRING, EXTENSION	1
6	97-0610	CARRIAGE BOLT, 3/8 X 1-1/4 -16/18"	2
	97-0610	CARRIAGE BOLT, 3/8 X 1-1/4 -24"	4
7	F3013	NUT, FLANGED STOVER LOCK -16/18"	3
	F3013	NUT, FLANGED STOVER LOCK -24"	6
8	016667	BAR, FLAP ADJUSTMENT -16/18"	1
	016667	BAR, FLAP ADJUSTMENT -24"	2
9	001391	FLAP ADJUSTER -16/18"	1
	001392	FLAP ADJUSTER -24"	2
10	97-0608	CARRIAGE BOLT, 3/8 X 1 -16/18"	1
	97-0608	CARRIAGE BOLT, 3/8 X 1 -24"	2
11	001375	ROLLUP DRIVE IDLER ARM	1
	29-010	GREASE FITTING, 1/4	1
12	90-0816	BOLT, 1/2 X 2	1
13	94-08	FLAT WASHER, 1/2	3
14	D2902	SHEAVE, BELT IDLER	1
15	F5018	NUT, FLANGED STOVER 1/2	2
16	41-047	SPRING, EXT. 0.765 X 6.813	1
17	OPTION	CONVEYOR DRIVE SPROCKET (SEE SECTION 7)	1
18	OPTION	ROLLUP DRIVE SPROCKET (SEE SECTION 7)	1
19	83-H16SPL	BUSHING	1
	90-0406	BOLT, 1/4 X 3/4	2
20	014084	STOP ASSEMBLY, ROLL UP TRAY (RH)	1
	016960	STOP, ROLL UP TRAY (RH)	1
	016961	SHIM	1
	05-041	BUMPER PAD, 4" X 1-1/4" 2-HOLE	1
	99-K53	BOLT, SHOULDER 5/16 X 3/8	2
	99-E39	LOCKNUT, NYLON 1/4	2
	014083	STOP ASSEMBLY, ROLL UP TRAY (LH)	1
	016959	STOP, ROLL UP TRAY (LH)	1
	016961	SHIM	1
	05-041	BUMPER PAD, 4" X 1-1/4" 2-HOLE	1
	99-K53	BOLT, SHOULDER 5/16 X 3/8	2
	99-E39	LOCKNUT, NYLON 1/4	2
21	99-K13	BOLT, FLANGE 3/8 X 1	4
22	99-E13	FLANGE NUT, 3/8	4
23	Q8008	#40 ROLLER CHAIN	1
	81-056	CONNECTOR LINK, #40	1
	81-076	HALFLINK, #40	1
24	6115944	GUARD, CHAIN ROLL-UP	1
	6115942	SHIELD, ROLLUP DRIVE GUARD	1
	99-K26	FLANGE BOLT, 1/4 X 3/4	2
	99-E20	FLANGE NUT, 1/4	2
25	G2510	PIN, HITCH CLIP	2
26	G8116	BRACKET	1
27	F0301	SCREW, MACHINE 10 X 3/4	2
28	F0003	NUT, NYLON INSERT	2
29	G8115	HANDLE	1
30	G8117	STUD	1
31	G8118	WASHER	1
32	G8119	RETAINER	1

Optional Hydraulic Roll-up
Figure 31A



ROLL-UP SYSTEM

section 9

Parts List for Figure 31A

Ref.	Part No.	Description	Quantity
1	REF	CONVEYOR FRAME	
2	REF	TUBE, HANDRAIL	
3	6115179	MOUNT, FLOW CONTROL VALVE	1
4	99-E12	FLANGE NUT, 5/16	2
5	23-080	VALVE, FLOW CONTROL	1
6	90-0516	BOLT, 5/16 X 2	2
7	20-173	HOSE, 1/2 X 36 - 8FJIC X -8FJIC	1
	20-002	HOSE, 1/2 X 42 100R2 #8 JIC (24")	1
8	25-0503-8-8	FITTING, STR. -8 M ORB/-8 M JIC	2
9	25-2503-8-8	FITTING, 90 -8 M ORB X -8 M JIC	1
10	20-172	HOSE, 1/2 X 32 - 8FJIC X -8FJIC	2
	20-067	HOSE, 1/2 X 40 100R2 #8 JIC (24")	2
11	25-063T-8-8	FITTING, TEE -8 FJIC/ 2)-8 MJIC	1
12	20-174	HOSE, 1/2 X 54 - 8FJIC X -10FJIC	1
13	REF	ROLLUP ASSEMBLY	
14	6115180	MOUNT, HYDRAULIC ROLLUP MOTOR	1
15	99-K22	BOLT, FLANGE 3/8 X 1-1/4	2
16	99-E13	FLANGE NUT, 3/8	2
17	25-2103-8-8	FITTING, 90 -8 MPT X -8 M JIC	2
18	H0012	MOTOR, HYDRAULIC	1
19	99-K11	BOLT, FLANGE 3/8 X 3/4	4
20	D1132	SPROCKET, 4022 X 1"	1
21	D1103	SPROCKET, FIXED 40 X 15T X 1" BORE	1
22	6115185	CHAIN, HYDRAULIC ROLLUP DRIVE	1
*	81-056	CONNECTOR LINK, #40	1
*	81-076	HALF-LINK, #40	1
23	6115181	SHIELD, HYDRAULIC ROLLUP MOTOR	1
24	99-K26	BOLT, FLANGE 1/4 X 3/4	2
25	99-E20	FLANGE NUT, 1/4	2
*	002620	GUARD, CHAIN ROLLUP DRIVE (CROSS CONVEYOR)	1
*	6115186	GUARD, CHAIN ROLLUP DRIVE (SOD CATCHER)	1

* Not Illustrated

CONTENTS

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Cross Conveyor Assembly

10-2

A kit is available which contains all the items required
to install a Cross Conveyor.

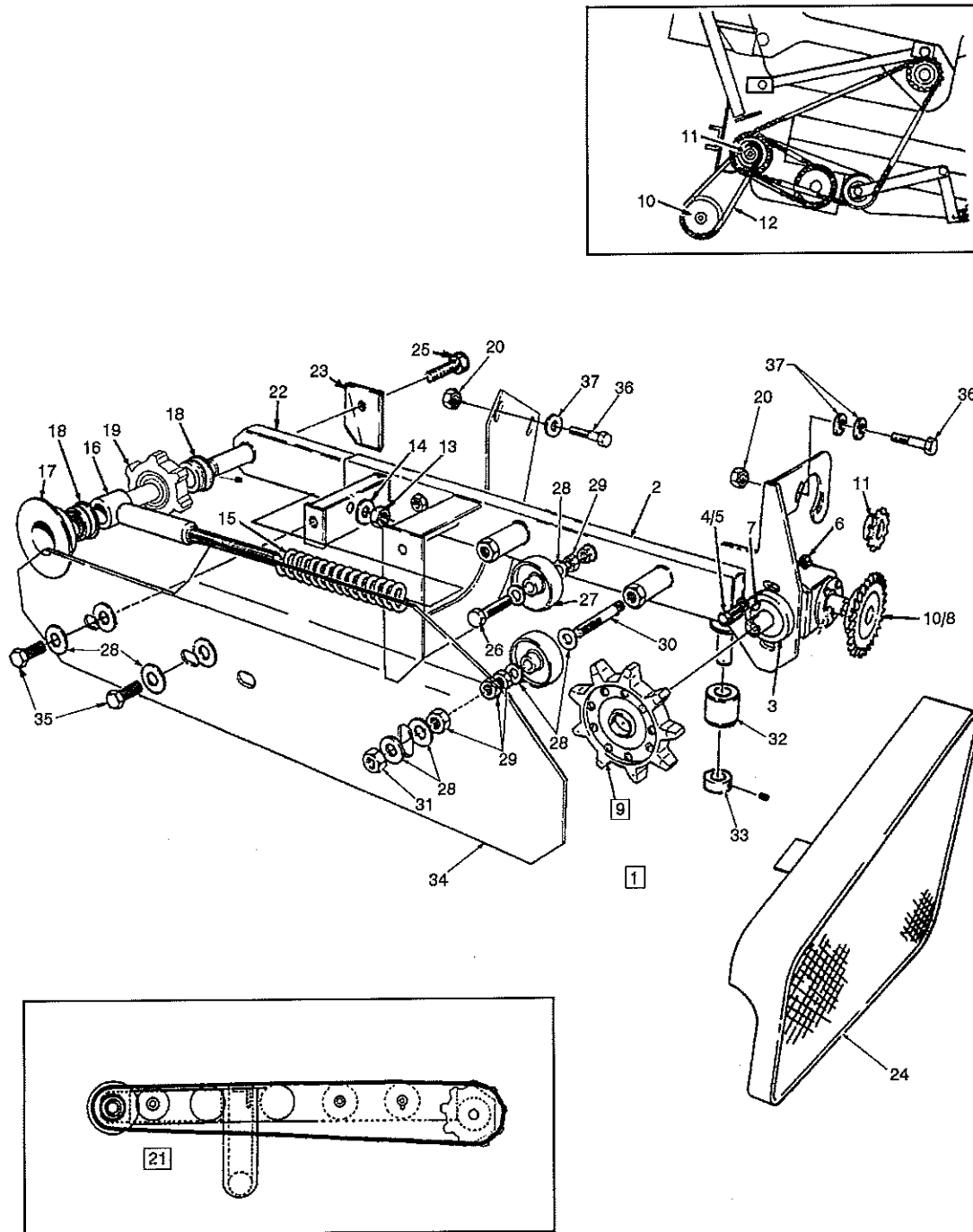
CROSS CONVEYOR INSTALLATION KIT: PART NO. A03231 (16/18") or A03257 (24")

Contains Cross Conveyor and all necessary hardware

CROSS CONVEYOR

section 10

Cross Conveyor Assembly
Figure 32



CROSS CONVEYOR

section 10

Parts List for Figure 32

Ref.	Part No.	Description	Quantity
1	A03231	ASSEMBLY, ROLL CROSS CONVEYOR 16/18"	1
	A03257	ASSEMBLY, ROLL CROSS CONVEYOR 24"	1
2	015824	FRAME, ROLL CROSS CONVEYOR 16/18"	1
	015846	FRAME, ROLL CROSS CONVEYOR 24"	1
3	D0055	GEARBOX, 90 DEG. LH DRIVE	1
4	90-0612	BOLT, 3/8 X 1-1/2	2
5	015907	FLAT WASHER, 3/8 HEAVY DUTY	2
6	F3013	NUT, FLANGED STOVER LOCK	2
7	G8025	KEY, WOODRUFF 5/32 X 5/8	1
8	85-W0306	KEY, WOODRUFF 3/16 X 3/4	1
9	A03520	ASSEMBLY, CROSS CONVEYOR DRIVE SPOCKET	1
	83-053	SPROCKET, 9-TOOTH BROUWER	1
	D8001	FLANGE, SPROCKET	1
	85-SS12	SET SCREW, 1/4 X 1/4 SOCKET HEAD	2
	99-K06	BOLT, 1/4 X 3/4 SL RD HD	9
	99-E39	LOCKNUT, NYLON 1/4	9
	015841	HUB, DRIVE SPROCKET	1
10	D1133	SPROCKET, FIXED #40 X 25T X 7/8"	1
11	D1108	SPROCKET, FIXED #40 X 18T X 1" BORE	1
	D1103	SPROCKET, FIXED #40 X 15T X 1" BORE (OPTIMAL HIGH SPEED)	1
12	Q8008	#40 ROLLER CHAIN	1
	81-056	CONNECTOR LINK, #40	1
	81-076	HALFLINK, #40	1
13	99-E41	LOCKNUT, NYLON 1/2	1
14	94-08	FLAT WASHER, 1/2	1
15	101275	SPRING, TELESCOPING ARM	1
16	015831	BELT ADJUSTER	1
17	015427	ROLLER, FLANGED IDLER	1
18	B2022	BEARING, BALL 1" (SETSCREW)	2
19	014268	DRIVE SPROCKET	1
20	F4008	NUT, FLANGED STOVER	4
21	A03232	ASSY, RUBBER BELT ROLL CROSS CONVEYOR	1
	002639	BELT, CROSS CONVEYOR	1
	G8008	MAT SPLICER	2
22	015829	CROSS CONVEYOR SLIDE	1
23	015882	GUIDE, BELT	1
24	6115943	GUARD, CHAIN ROLL-UP DRIVE	1
	6115942	COVER, GUARD	1
	99-K31	FLANGE BOLT, 1/4 X 1/2	2
	99-E20	FLANGE NUT, 1/4	2
25	99-K11	BOLT, FLANGE 3/8 X 3/4	1
26	90-0820	BOLT, 1/2 X 2-1/2	2
27	R0005	WHEEL, NYLON 3" DIA. X 1/2" BORE	4
28	95-08	FLAT WASHER, 1/2 SAE	16
29	99-E10	JAM NUT, 1/2	8
30	015843	STUD, CROSS CONVEYOR	2
31	99-E41	LOCKNUT, NYLON 1/2	2
32	014085	NYLON ROLLER, ROLL-UP TRAY	1
33	85-SC14	SET COLLAR, 7/8	1
34	015844	GUARD, CROSS CONVEYOR	1
35	90-0808	BOLT, 1/2 X 1	2
36	90-0716	BOLT, 7/16 X 2	4
37	95-08	FLAT WASHER, 1/2 SAE	8

CONTENTS	PAGE
Sod Catcher Assembly	11-2

A kit is available which contains all the items required to install a Sod Catcher.

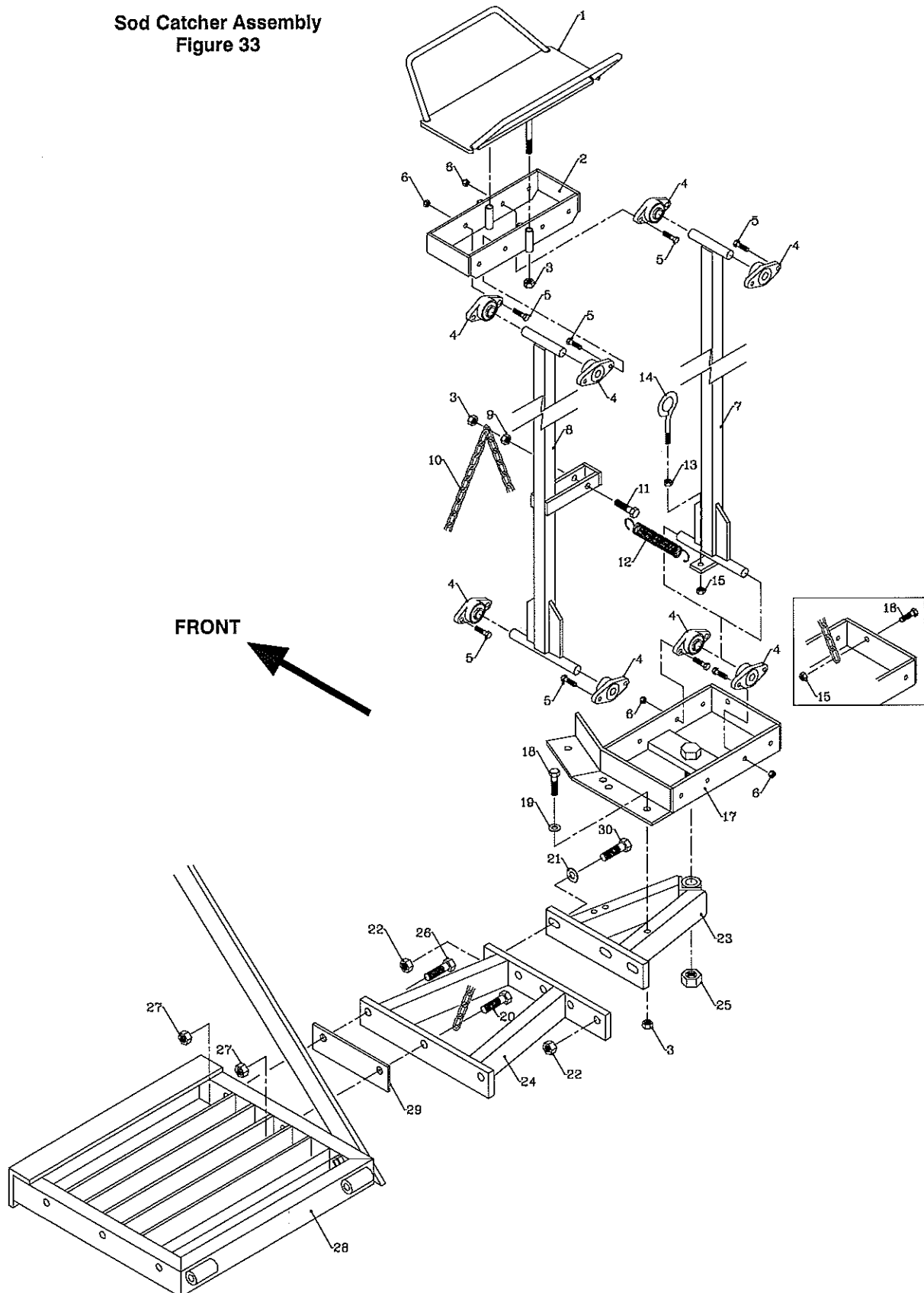
SOD CATCHER INSTALLATION KIT: PART NO. A03559 (16/18") or A03560 (24")

Contains Sod Catcher and all necessary hardware

SOD CATCHER

section 11

Sod Catcher Assembly
Figure 33



SOD CATCHER

section 11

Parts List for Figure 33

Ref.	Part No.	Description	Quantity
	A03559	ASSEMBLY, SOD CATCHER -16/18"	1
	A03560	ASSEMBLY, SOD CATCHER -24"	1
1	002632	BASKET, SOD CATCHER -16/18"	1
	002647	BASKET, SOD CATCHER -24"	1
2	001432	FRAME, SOD CATCHER TOP	1
3	F3013	NUT, FLANGED STOVER LOCK	5
4	B0002	BEARING, FLANGE- 5/8 SET SCREW	8
5	99-K27	BOLT, FLANGE 1/4 X 1	16
6	99-E20	FLANGE NUT, 1/4	16
7	001434	SOD CATCHER ARM RH	1
8	001435	SOD CATCHER ARM LH	1
9	92-06	NUT, 3/8	1
10	002238	CHAIN, PIVOT	1
11	90-0622	BOLT, 3/8-16 X 2-3/4	1
12	S2003	SPRING, EXTENSION	1
13	92-05	NUT, 5/16	1
14	F2706	BOLT, EYE	1
15	F2014	NUT, STOVER FLANGE 5/16	1
16	99-K02	BOLT, FLANGE 5/16 X 1	1
17	001433	FRAME, SOD CATCHER BOTTOM	1
18	90-0624	BOLT, 3/8 X 3	2
19	94-06	FLAT WASHER, 3/8 USS	2
20	90-0724	BOLT, 7/16 X 3	1
21	94-08	FLAT WASHER, 1/2	3
22	99-A08	LOCKNUT, STOVER 1/2-13	3
23	002585	SOD CATCHER UPPER BASE	1
24	002584	SOD CATCHER BASE	1
25	99-A12	LOCKNUT, STOVER 3/4	1
26	90-0722	BOLT, 7/16 X 2-3/4	1
27	F4008	NUT, FLANGED STOVER 7/16	2
28	001712 (REF)	PLATFORM, MAIN (SEE FIGURE 1)	
29	001715	SHIM, PLATFORM BRACE	1
30	90-0814	BOLT, 1/2 X 3/4	3

CONTENTS	PAGE
Curved Conveyor Assembly, 16/18"	12-2
Curved Conveyor Assembly, 24"	12-6

A kit is available which contains all the items required to convert a Roll-up unit to a Slabber.

SLABBING CONVERSION KIT: PART NO. A03756

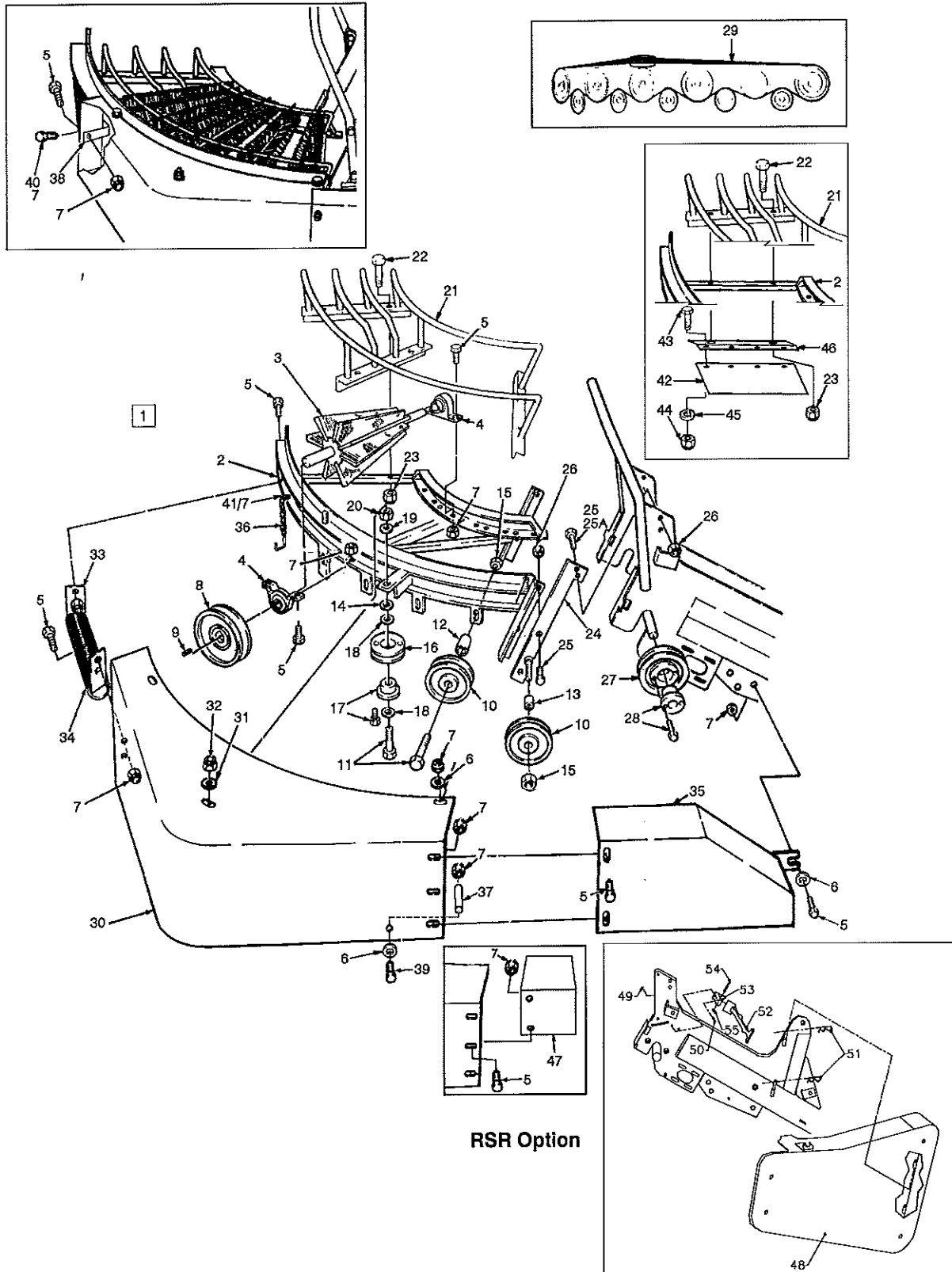
Contains:

Tail Platform	18-2
Slabbing Platform	18-2
Counter	16-2
Includes all necessary hardware	

CURVED CONVEYOR

section 12

Curved Conveyor, 16/18"
Figure 34



RSR Option

CURVED CONVEYOR

section 12

Parts List for Figure 34

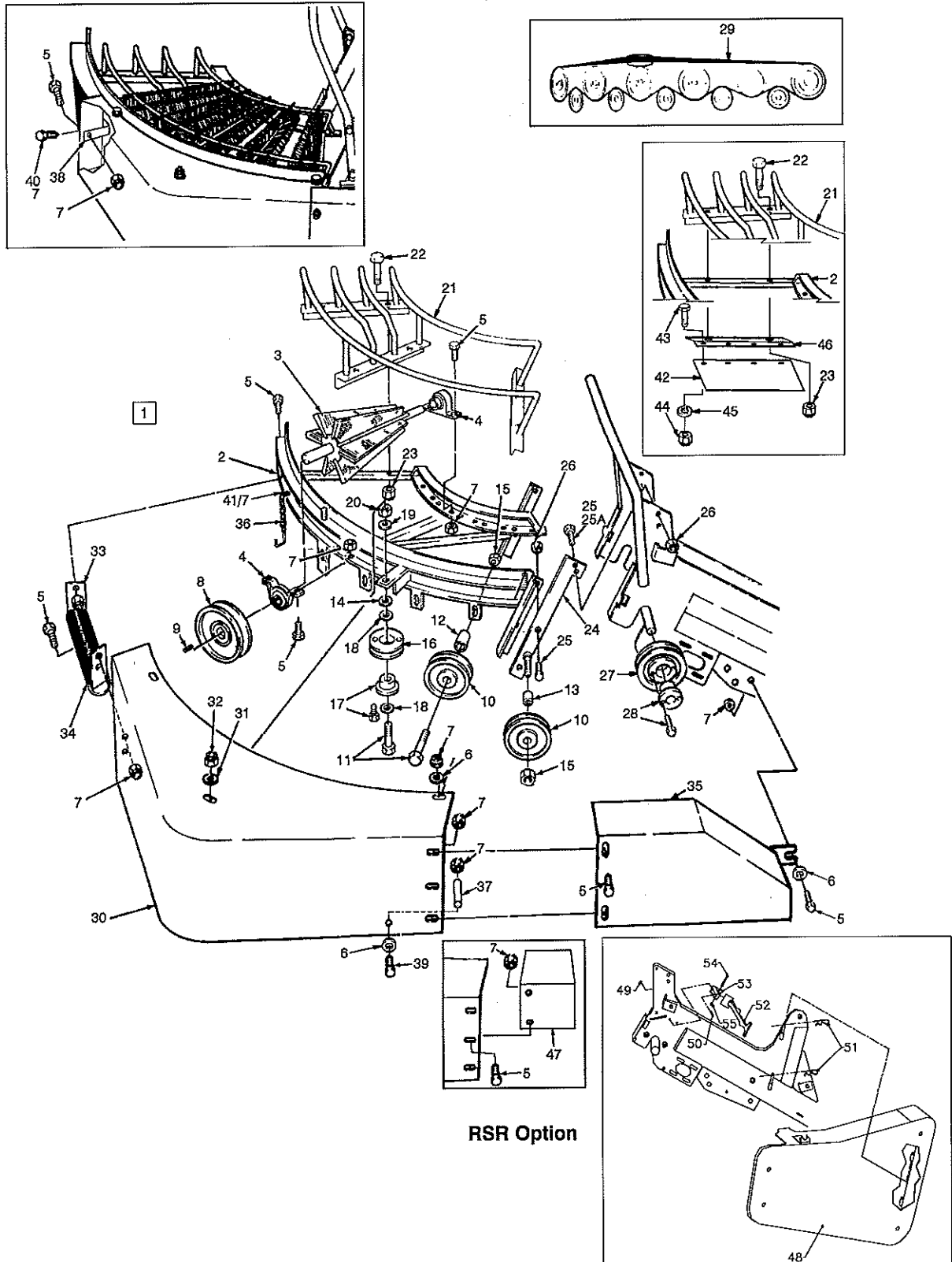
Ref.	Part No.	Description	Quantity
1	A03287	CURVED CONVEYOR ASSEMBLY	
2	001949	OUTER FRAME	1
3	79-086	ROLLER, TAPER BRUSH	5
4	B1002	BEARING	10
5	99-K19	FLANGE BOLT, 5/16 X 3/4	28
	99-K19	FLANGE BOLT, 5/16 X 3/4 (RSR OPTION)	27
6	F2056	FLATWASHER, 5/16	3
	F2056	FLATWASHER, 5/16 (RSR OPTION)	2
7	99-E12	FLANGE NUT, 5/16	30
	99-E12	FLANGE NUT, 5/16 (RSR OPTION)	29
8	83-042	SHEAVE, FIXED	5
9	123324	KEY, 3/16 X 3/16 X 1-1/2	5
10	D2902	SHEAVE, BELT IDLER	5
11	90-0822	BOLT, 1/2 X 2-3/4	5
12	001955	SPACER	4
13	014113	SPACER	1
14	95-08	FLATWASHER, 1/2 SAE	2
15	F5018	NUT, FLANGED STOVER	5
16	D2302	SHEAVE, TAPER LOCK	1
17	D3013	BUSHING, SPLIT TAPER LOCK	1
18	F5054	WASHER, MACH. 1/2 X 7/8 X .032	2
19	94-08	FLAT WASHER, 1/2	1
20	99-E10	JAM NUT, 1/2	2
21	001950	FRAME, INNER SOD SUPPORT	1
22	90-0412	BOLT, 1/4 X 1 1/2	4
23	99-E20	FLANGE NUT, 1/4	6
24	001024	MOUNT, CURVED CONVEYOR RH	1
	001025	MOUNT, CURVED CONVEYOR LH	1
25	99-K22	FLANGE BOLT, 3/8 X 1 1/4 (STANDARD)	8
	99-K22	FLANGE BOLT, 3/8 X 1 1/4 (RSR OPTION)	4
25A	99-K73	FLANGE BOLT, 3/8 X 1 1/2 (RSR OPTION)	4
26	F3013	NUT, FLANGED STOVER LOCK	8
27	83-BK60H	PULLEY, 6" H1 BUSHING	1
	83-BK6016	PULLEY, 6", 1" BORE (RSR OPTION)	1
28	83-H16SPL	BUSHING	1
29	D2101	BELT	1
30	001026	GUARD, V-BELT REAR	1
	401257	DECAL, BROUWER	1
31	95-08	FLAT WASHER, 1/2 SAE	1
32	F5012	NUT, NYLON INSERT 1/2	1
33	015299	BRACKET, KNEE GUARD	1
34	001399	RUBBER SLEEVE	1
35	016515	GUARD W/A, FRONT	1
36	014114	TRANSPORT HOOK	1
37	002044	SHIELD SUPPORT, FRONT	1
38	002045	SHIELD SUPPORT, REAR	1
39	90-0544	BOLT, 5/16 X 5 1/2	1
40	99-K28	FLANGE BOLT, 5/16 X 1/2	1
41	99-K02	FLANGE BOLT, 5/16 X 1	1
42	002349	RUBBER SHIELD	1
43	99-K47	BOLT, 1/4 X 3/4 BUTTON HEAD	4
44	99-A04	LOCKNUT, STOVER 1/4	4
45	94-04	FLAT WASHER, 1/4	4

Continued on next page

CURVED CONVEYOR

section 12

Curved Conveyor, 16/18"
Figure 34
(continued)



CURVED CONVEYOR

section 12

Parts List for Figure 34 (continued)

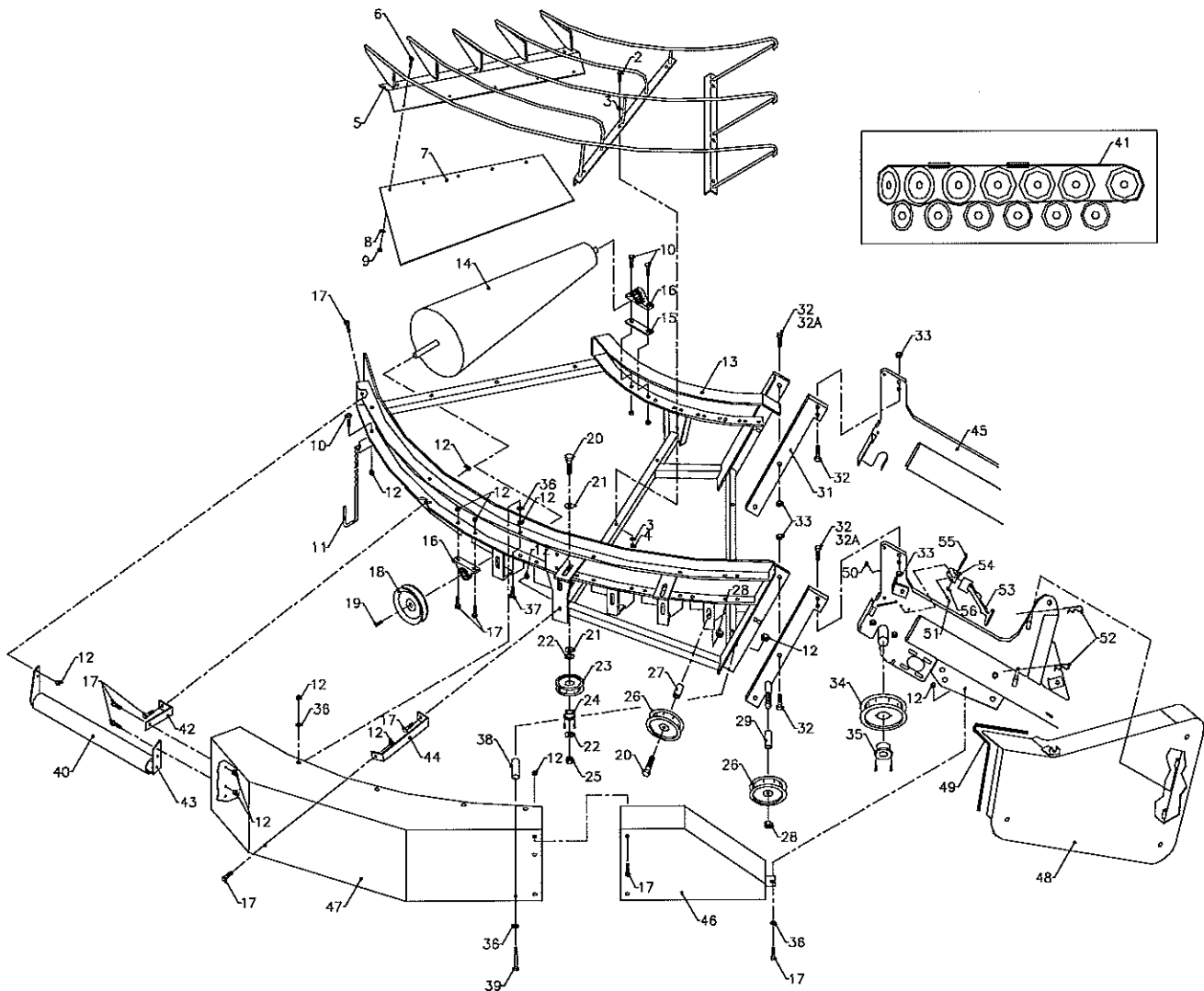
<u>Ref</u>	<u>Part no.</u>	<u>Description</u>	<u>Quantity</u>
46	002350	RUBBER SHIELD CLAMP	1
		These items are used on the RSR Option:	
47	002437	SHIELD, ROLL-UP DRIVE GUARD	1
48	002314	CROSS CONV. ROLL-UP DRIVE GUARD	1
	401257	DECAL, BROUWER	1
49	F0003	LOCKNUT, NYLON #10-24	2
50	F0301	SCREW, MACHINE 10-24 X 3/4	2
51	G2510	PIN, HITCH CLIP	2
52	G8115	HANDLE	1
53	G8116	BRACKET	1
54	G8117	STUD	1
55	G8119	RETAINER	1
*	00-026	DECAL, LUBE OIL SYMBOL	1

* Not illustrated

CURVED CONVEYOR

section 12

Curved Conveyor, 24"
Figure 34A



Parts List for Figure 34A

Ref.	Part number	Description	Quantity
1	A03292	CURVED CONVEYOR ASSEMBLY, 24"	
	A03293	RSR OPTION, 24"	
2	90-0414	BOLT, 1/4 X 1-3/4	6
3	94-04	FLAT WASHER, 1/4	12
4	99-E20	FLANGE NUT, 1/4	6
5	002553	FRAME, INNER SOD SUPPORT 24"	1
6	99-K47	BOLT, 1/4 X 3/4 BUTTON HEAD	5

CURVED CONVEYOR

section 12

Parts List for Figure 34A (continued)

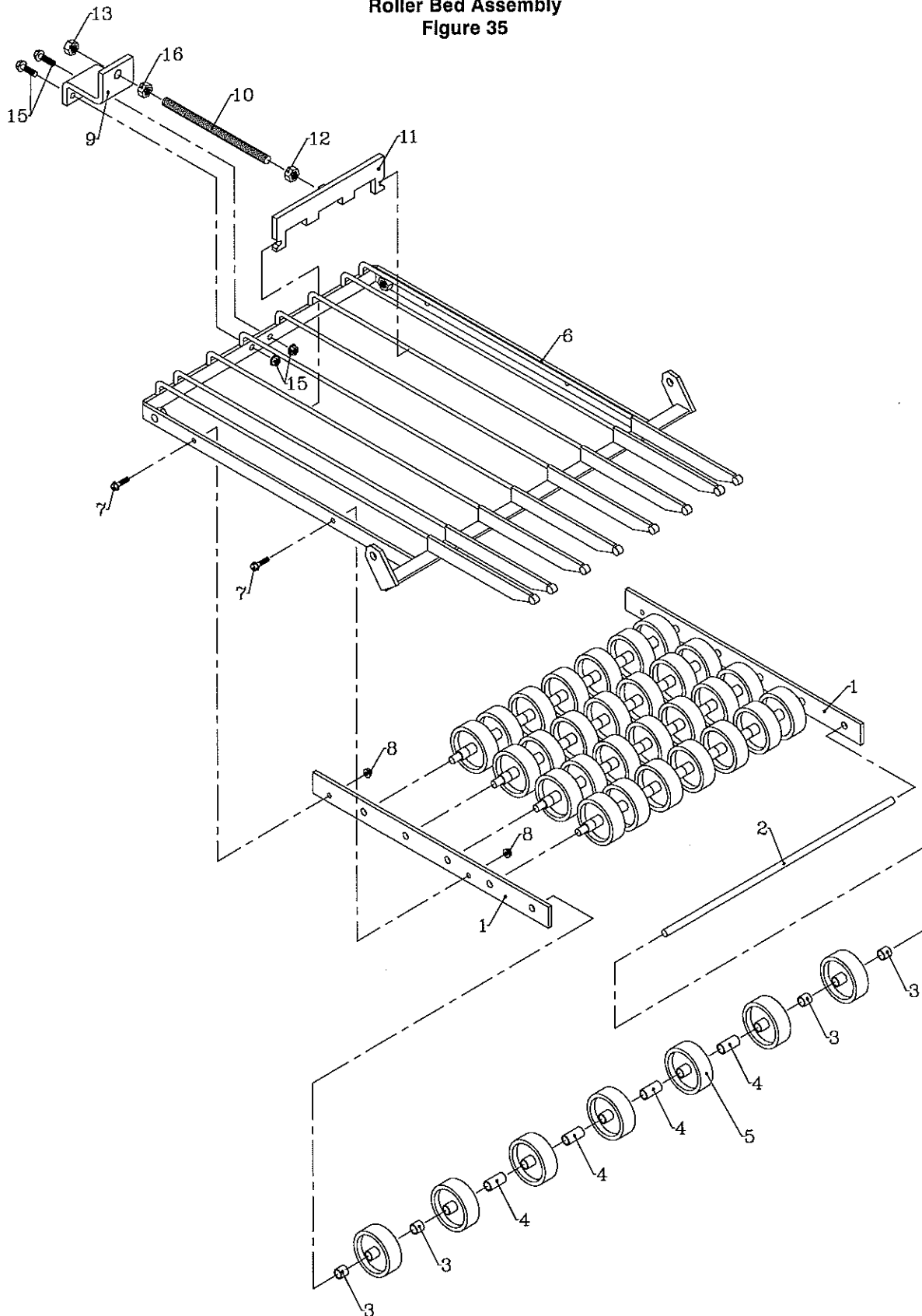
Ref.	Part number	Description	Quantity
7	002565	RUBBER SHIELD	1
8	99-B55	WASHER, 9/32 ID X 1 1/4 OD X 10 ga.	5
9	99-A04	LOCKNUT, STOVER 1/4	5
10	99-K02	BOLT, FLANGE 5/16 X 1	13
11	014114	HOOK, TRANSPORT	1
12	92-05	FLANGE NUT, 5/16	40
13	002554	FRAME, OUTER SOD SUPPORT 24"	1
14	79-116	BRUSH, 24" TAPERED (SPIRAL)	6
15	002559	SHIM, BEARING SPACER	6
16	B1002	BEARING, PILLOW BLOCK -5/8	12
17	99-K19	BOLT, FLANGE 5/16 X 3/4	22
18	83-042	PULLEY, 5/8" BORE W/3/16" KEYWAY	6
19	123316	KEY, 3/16" X 3/16" X 1" LONG	6
20	90-0820	BOLT, 1/2 X 2-1/2	7
21	94-08	FLAT WASHER, 1/2	4
22	F5054	WASHER, MACH. 1/2 X 7/8 X .032	4
23	D2302	SHEAVE, TAPER LOCK BK40H	2
24	D3013	BUSHING, SPLIT TAPER LOCK	2
25	F5012	NUT, NYLON INSERT	2
26	D2902	SHEAVE, BELT IDLER (RIVETED)	6
27	001955	SPACER, SHEAVE IDLER	5
28	F5018	NUT, FLANGED STOVER	6
29	014113	SPACER, SHEAVE IDLER	1
30	001024	MOUNT, CURVED CONVEYOR-RH	1
31	001025	MOUNT, CURVED CONVEYOR-LH	1
32	99-K83	BOLT, FLANGE 3/8 X1-1/4 GR. 8	8
	99-K83	BOLT, FLANGE 3/8 X1-1/4 GR. 8 (RSR OPTION)	4
32A	99-K83	BOLT, FLANGE 3/8 X1-1/4 GR. 8 (RSR OPTION)	4
33	99-E58	NUT, FLANGED STOVER LOCK GR. 8	8
34	83-BK60H	PULLEY, 6", H BUSHING	1
	83-BK6016	PULLEY, 6", 1" BORE (RSR OPTION)	1
35	83-H16SPL	BUSHING, H X 1" SPLIT TYPE	1
36	F2056	WASHER, FLAT 5/16" ID	10
37	99-K62	BOLT, FLANGE 5/16 X 1-1/4	4
38	002044	SHIELD SUPPORT FRONT	1
39	90-0544	BOLT, 5/16 X 5-1/2	1
40	001399	RUBBER SLEEVE	1
41	81-A136	BELT, GATED A-136 HI-POWER	1
42	002045	SHEILD SUPPORT REAR	1
43	015299	BRACKET, KNEE GUARD	1
44	002570	SHIELD, SUPPORT MIDDLE	1
45	REF	CONVEYOR FRAME	
46	016515	GUARD, FRONT (STD. CURVED CONVEYOR ONLY)	1
47	002573	SHIELD, BELT GUARD REAR	1
	401257	DECAL, BROUWER	1
		These items are used on the RSR Option:	
48	002575	GUARD, CHAIN ROLL-UP	1
	401257	DECAL, BROUWER	1
49	56-046	TRIM, TRIM-LOC /FT.	1.66
50	F0003	LOCKNUT, NYLON #10-24	2
51	F0301	SCREW, MACHINE 10-24 X 3/4	2
52	G2510	PIN, HITCH CLIP	2
53	G8115	HANDLE	1
54	G8116	BRACKET	1
55	G8117	STUD	1
56	G8119	RETAINER	1
*	00-226	DECAL, LUBE OIL SYMBOL	1

* Not Illustrated

CONTENTS	PAGE
Roller Bed Assembly	13-2
Main Frame: Upper Section	13-4
Main Frame: Lower Section	13-6
Folder Drive	13-8
Folder Electrical System	13-10
A kit is available which contains all the items required to convert a roll-up unit to a folder.	
FOLDING CONVERSION KIT: PART NO. A03651	
Contains:	
Folder	13-2
Curved Conveyor	12-2
Slabbing Platform	18-4
Tail Platform	18-4
Counter	16-2

Includes all necessary hardware

Roller Bed Assembly
Figure 35



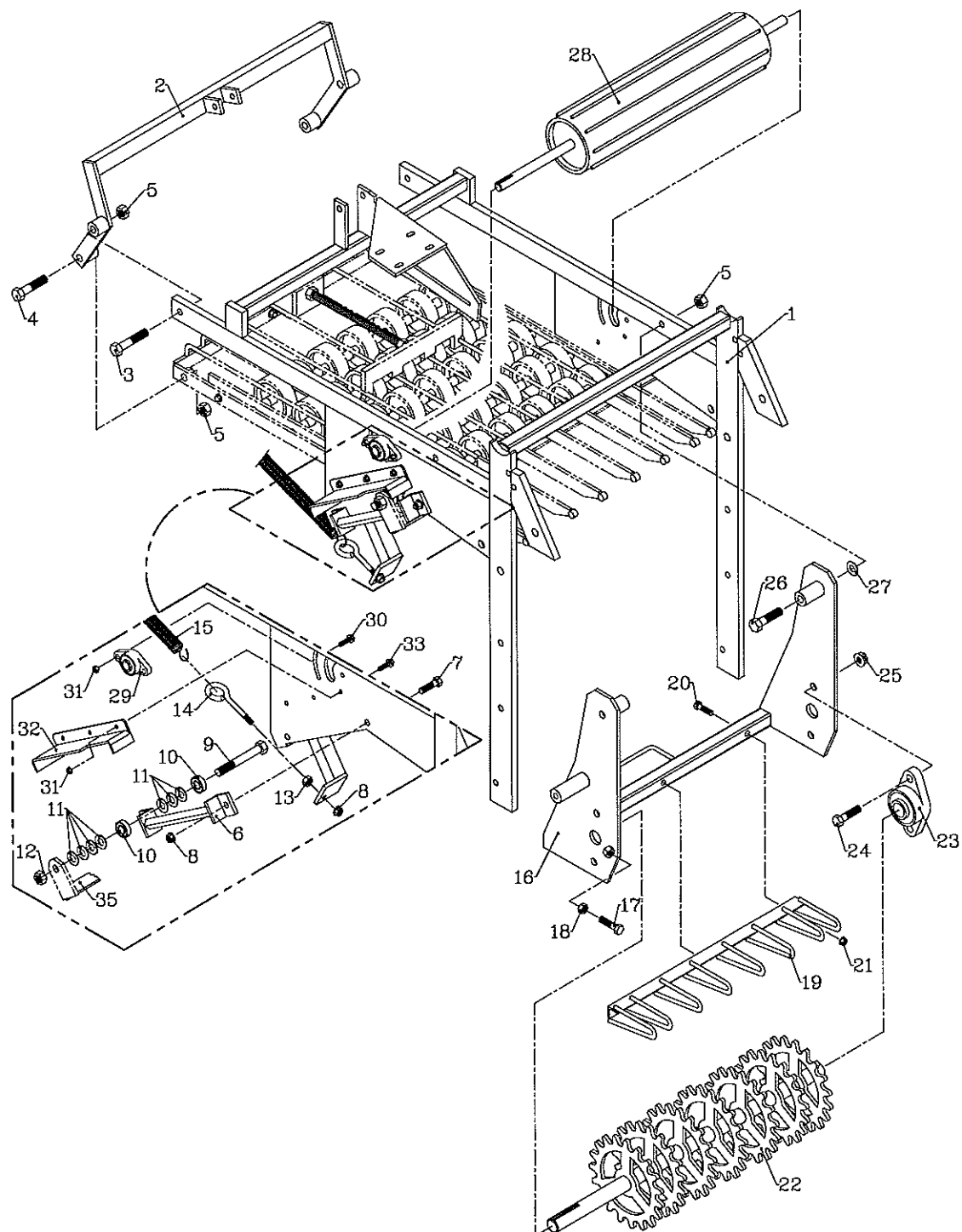
FOLDER

section 13

Parts List for Figure 35

<u>Ref.</u>	<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
	A03426	ROLLER BED ASSEMBLY	1
1	015434	PLATE, ROLLER SIDE	2
2	015435	SHAFT, ROLLER	5
3	015658	SPACER	20
4	015659	SPACER	20
5	R0005	WHEEL, NYLON 3" DIA. X 1/2" BORE	35
6	001926	GATE FOR FOLDER	1
7	99-K27	FLANGE BOLT, 1/4 X 1	4
8	99-E20	FLANGE NUT, 1/4	4
9	015919	BRACKET, STOP- SOD	1
10	015920	STUD, SOD STOP	1
11	015918	STOP, SOD	1
12	99-E10	JAM NUT, 1/2	1
13	99-E41	LOCKNUT, NYLON 1/2	1
14	99-K02	FLANGE BOLT, 5/16 X 1	2
15	99-E12	FLANGE NUT, 5/16	2
16	92-08	NUT, 1/2	1

Main Frame: Upper Section
Figure 36

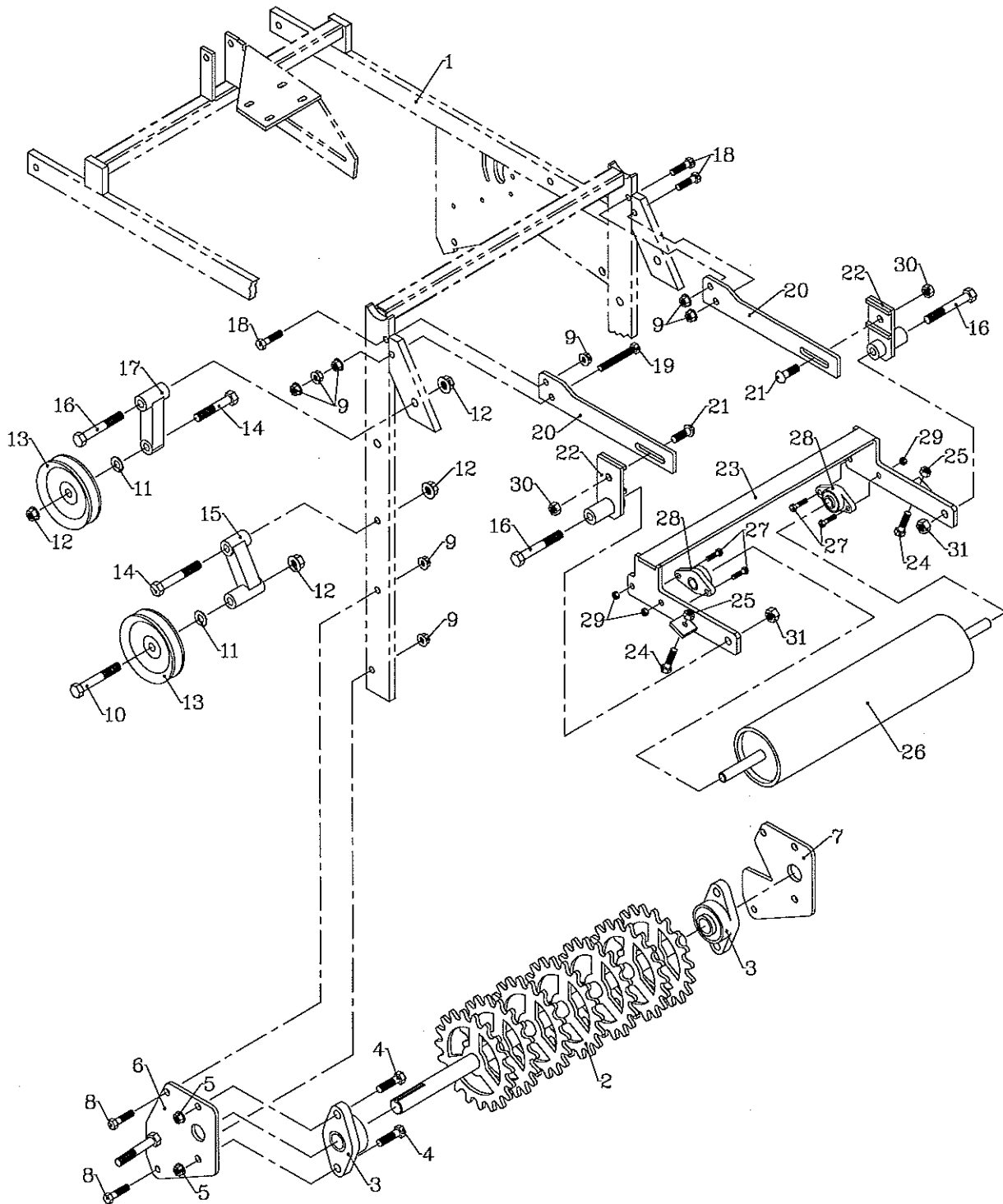


FOLDER**section 13****Parts List for Figure 36**

Ref.	Part No.	Description	Quantity
1	015948	FRAME, FOLDER MAIN	1
2	015949	FRAME, REAR HINGE	1
3	90-0818	BOLT, 1/2 X 2-1/4	2
4	90-0820	BOLT, 1/2 X 2-1/2	2
5	F5011	NUT, NYLON LOCK 1/2	6
6	001921	RAIL	2
7	90-0608	BOLT, 3/8 X 1	4
8	99-E13	FLANGE NUT, 3/8	5
9	90-0816	BOLT, 1/2 X 2	2
10	B2010	BEARING, BALL 1/2 ID	4
11	F4053	WASHER, FLAT	14
12	99-E41	LOCKNUT, NYLON 1/2	2
13	99-E21	JAM NUT, 3/8	1
14	F3728	BOLT, EYE 3/8	1
15	S2028	SPRING, EXTENSION	1
16	001927	FRAME, REVERSING DRIVE HINGED	1
17	99-K33	BOLT, 3/8 X 2 HEX TAP	2
18	99-E21	JAM NUT, 3/8	2
19	001928	SOD STRIPPER	1
20	90-0512	BOLT, 5/16 X 1-1/2	3
21	99-E12	FLANGE NUT, 5/16	3
	A03175	ASSEMBLY, SPROCKET SHAFT	1
22	001929	SHAFT, SPROCKET	1
23	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
24	90-0710	BOLT, 7/16 X 1-1/4	4
25	99-E48	FLANGE NUT, 7/16	4
26	90-0824	BOLT, 1/2 X 3	2
27	94-08	FLAT WASHER, 1/2	2
28	015430	ROLLER, 4" RIBBED	1
29	B0002	BEARING, FLANGE:-5/8 SET SCREW	2
30	99-K27	FLANGE BOLT, 1/4 X 1	4
31	99-E20	FLANGE NUT, 1/4	4
	99-E20	FLANGE NUT, 1/4	10
32 *	006713	GUARD	2
33	99-K26	FLANGE BOLT, 1/4 X 3/4	6
34	REF	GATE FOR FOLDER	1

* Ref 32 (006713) not included with original 1560 frames.

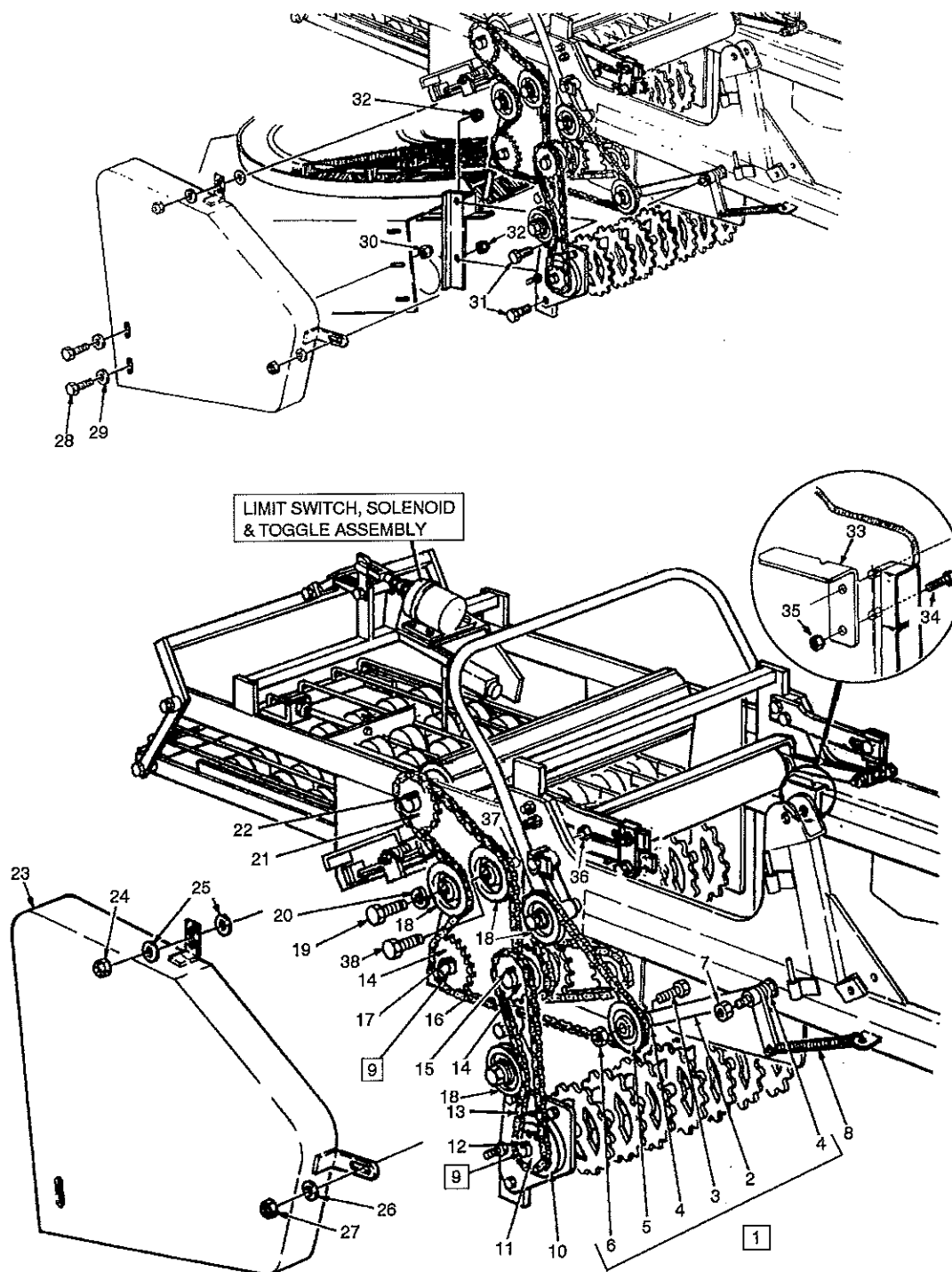
Main Frame: Lower Section
Figure 37



FOLDER**section 13****Parts List for Figure 37**

Ref.	Part No.	Description	Quantity
1	REF	FRAME, FOLDER MAIN	1
	A03175	ASSEMBLY, SPROCKET SHAFT	1
2	001929	SHAFT, SPROCKET	1
3	55-FB23016	BEARING, 2-BOLT FLANGE 1"	2
4	90-0710	BOLT, 7/16 X 1-1/4	4
5	99-E48	FLANGE NUT, 7/16	4
6	001960	PLATE, RH SIDE MOUNTING	1
7	001961	PLATE, LH SIDE MOUNTING	1
8	90-0612	BOLT, 3/8 X 1-1/2	4
9	F3013	NUT, FLANGED STOVER LOCK	10
10	90-0832	BOLT, 1/2 X 4	1
11	94-08	FLAT WASHER, 1/2	2
12	F5018	NUT, FLANGED STOVER	4
13	D2902	SHEAVE, BELT IDLER	2
14	90-0822	BOLT, 1/2 X 2-3/4	2
15	001943	MOUNT, BUSHING & IDLER PULLEY	1
16	90-0828	BOLT, 1/2 X 3-1/2	3
17	001942	SUPPORT, BUSHING & IDLER	1
	29-010	GREASE FITTING, 1/4	1
18	90-0612	BOLT, 3/8 X 1-1/2	3
19	99-K68	BOLT, 3/8 X 2-1/4	1
20	016816	PLATE, RUNNER	2
21	F4101	BOLT, CARRIAGE 7/16 X 1-1/4	2
22	016814	HINGE, PRESSURE ROLLER ADJUSTING	2
	29-010	GREASE FITTING, 1/4	1
23	001911	FRAME, PRESSURE ROLLER	1
24	F3748	BOLT, RUBBER HEAD 3/8	2
25	92-06	NUT, 3/8	2
26	001910	ROLLER, PRESSURE	1
27	99-K27	FLANGE BOLT, 1/4 X 1	4
28	B0002	BEARING, FLANGE 5/8 SET SCREW	2
29	99-E39	LOCKNUT, NYLON 1/4	4
30	F4008	LOCKNUT, STOVER FLANGE 7/16	2
31	F5011	NUT, NYLON LOCK 1/2 THIN	2

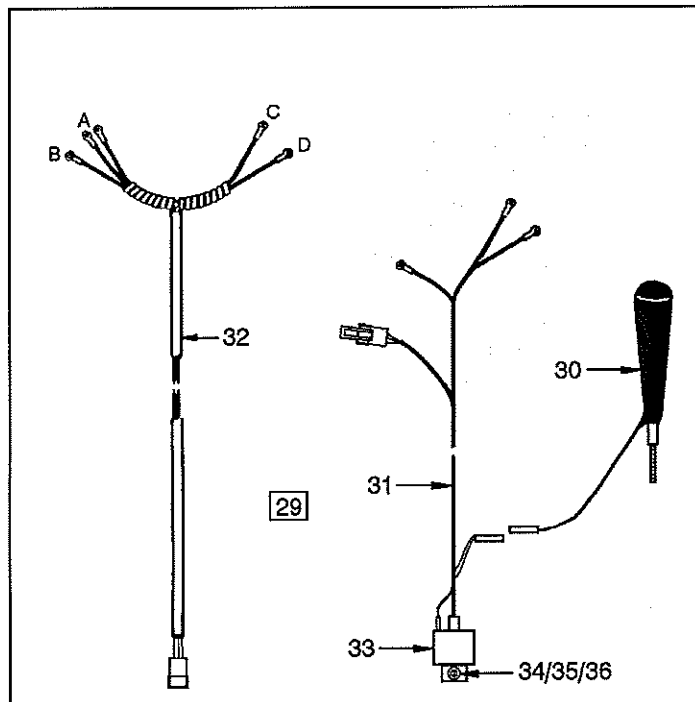
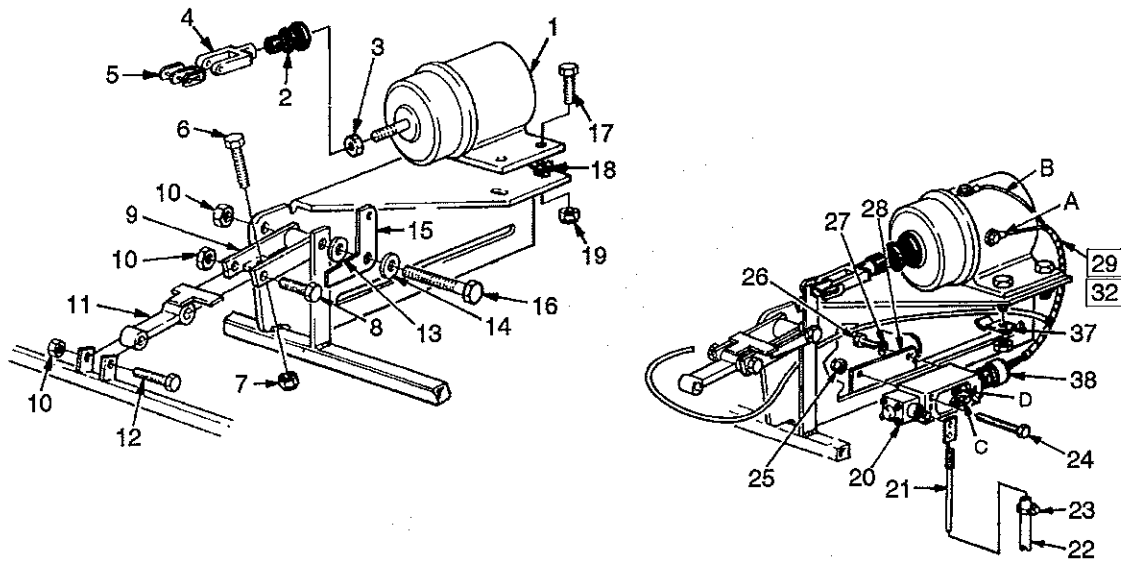
Folder Drive
Figure 38



FOLDER**section 13****Parts List for Figure 38**

Ref.	Part No.	Description	Quantity
1	A03032	ASSEMBLY, ROLLUP CHAIN IDLER ARM	1
2	001375	ROLLUP DRIVE IDLER ARM	1
	29-010	GREASE FITTING, 1/4	1
3	90-0816	BOLT, 1/2 X 2	1
4	94-08	FLAT WASHER, 1/2	1
5	D2902	SHEAVE, BELT IDLER	1
6	F5018	NUT, FLANGED STOVER	1
7	F5012	NUT, NYLON INSERT	1
8	41-047	SPRING, EXT. 0.765 X 6.813	1
9	A03175	ASSEMBLY, SPROCKET SHAFT	1
10	83-BK55H	PULLEY, 5.5", H1 BUSHING	1
11	D1106	SPROCKET, FIXED #40 X 16 X 1" BORE	1
12	124432	KEY, 1/4 X 1/4 X 2	1
13	Q8008	#40 ROLLER CHAIN	1
14	D1117	SPROCKET, FIXED #40 X 21T	3
15	124458	KEY, 1/4 X 1/4 X 3-5/8	1
16	Q8008	#40 ROLLER CHAIN	1
17	124422	KEY, 1/4 X 1/4 X 1-3/8	1
18	D2902	SHEAVE, BELT IDLER	4
19	90-0816	BOLT, 1/2 X 2	2
20	96-08	LOCK WASHER, 1/2	2
21	D1403	SPROCKET, TAPER LOCK #40 X 17T	1
	D3014	BUSHING, H X 5/8	1
22	85-K0310	KEY, 3/16 X 3/16 X 1-1/4	1
23	015940	GUARD, FOLDER DRIVE	1
24	99-E40	LOCKNUT, NYLON 3/8	1
25	94-06	FLAT WASHER, 3/8	2
26	94-08	FLAT WASHER, 1/2	1
27	F5012	NUT, NYLON INSERT	1
28	90-0508	BOLT, 5/16 X 1	2
29	94-05	FLAT WASHER, 5/16	2
30	99-E12	FLANGE NUT, 5/16	2
31	90-0612	BOLT, 3/8 X 1-1/2	4
32	99-E13	FLANGE NUT, 3/8	4
33	016808	BRACKET, LEFT STOP	1
	016809	BRACKET, RIGHT STOP	1
34	99-K19	FLANGE BOLT, 5/16 X 3/4	4
35	99-E12	FLANGE NUT 5/16	4
36	F5018	NUT, FLANGED STOVER 1/2	1
37	002613	SPACER, STAND OFF	1
38	90-0830	BOLT, 1/2 X 3-3/4	1

Folder Electrical System
Figure 39



FOLDER**section 13****Parts List for Figure 39**

Ref.	Part No.	Description	Quantity
1	J9554	SOLENOID	1
2	J9555	BOOT, FOR J9554	1
3	93-04	NUT, 1/4	1
4	43-Y0404F	YOKE END, 1/4 FEMALE THREAD	1
5	81-024	CONNECTOR LINK #60	1
6	90-0610	BOLT, 3/8 X 1-1/4	1
7	92-06	NUT, 3/8	1
8	90-0820	BOLT, 1/2 X 2-1/2	1
9	015926	TOGGLE	1
10	F5012	NUT, NYLON INSERT	3
11	015927	TOGGLE ARM	1
12	90-0818	BOLT, 1/2 X 2-1/4	1
13	F5054	WASHER, MACH. 1/2 X 7/8 X .032	1
14	94-08	FLAT WASHER, 1/2	1
15	015921	LEVER, TRIP	1
16	90-0828	BOLT, 1/2 X 3-1/2	1
17	99-K26	FLANGE BOLT, 1/4 X 3/4	4
18	94-04	FLAT WASHER, 1/4	A/R
19	99-E20	FLANGE NUT, 1/4	4
20	J0005	SWITCH, LIMIT	1
21	015933	MOD, WOBBLE STICK	1
22	015934	HOSE, WOBBLE STICK	1
23	G8059	CLAMP, HOSE- 1/4 MIN.-5/8 MAX.	1
24	F0320	SCREW, MACHINE #10 X 2-1/4	2
25	F0003	NUT, NYLON INSERT	2
26	01-021	SCREW, MACHINE #10 X 3/4	2
27	01-018	WASHER, LOCK #10	2
28	015923	BRACKET, MTG.- LIMIT SWITCH	1
29	002252	ASSEMBLY, FOLDER HARNESS	1
30	006438	SWITCH	1
31	002250	FOLDER DASH HARNESS	1
32	002251	FOLDER CONVEYOR HARNESS	1
33	35-067	RELAY, SEALED PLASTIC	1
34	F0301	SCREW, MACHINE 10-24 X 3/4	1
35	01-028	WASHER, FLAT #10 SAE	1
36	F0003	NUT, NYLON INSERT	1
37	G8006	CABLE CLAMP	1
38	J2547	CONNECTOR, CAB TIRE	1
*	30-037	WIRE TIE, T50R 3/16 X 7-3/4	6

* Not Illustrated

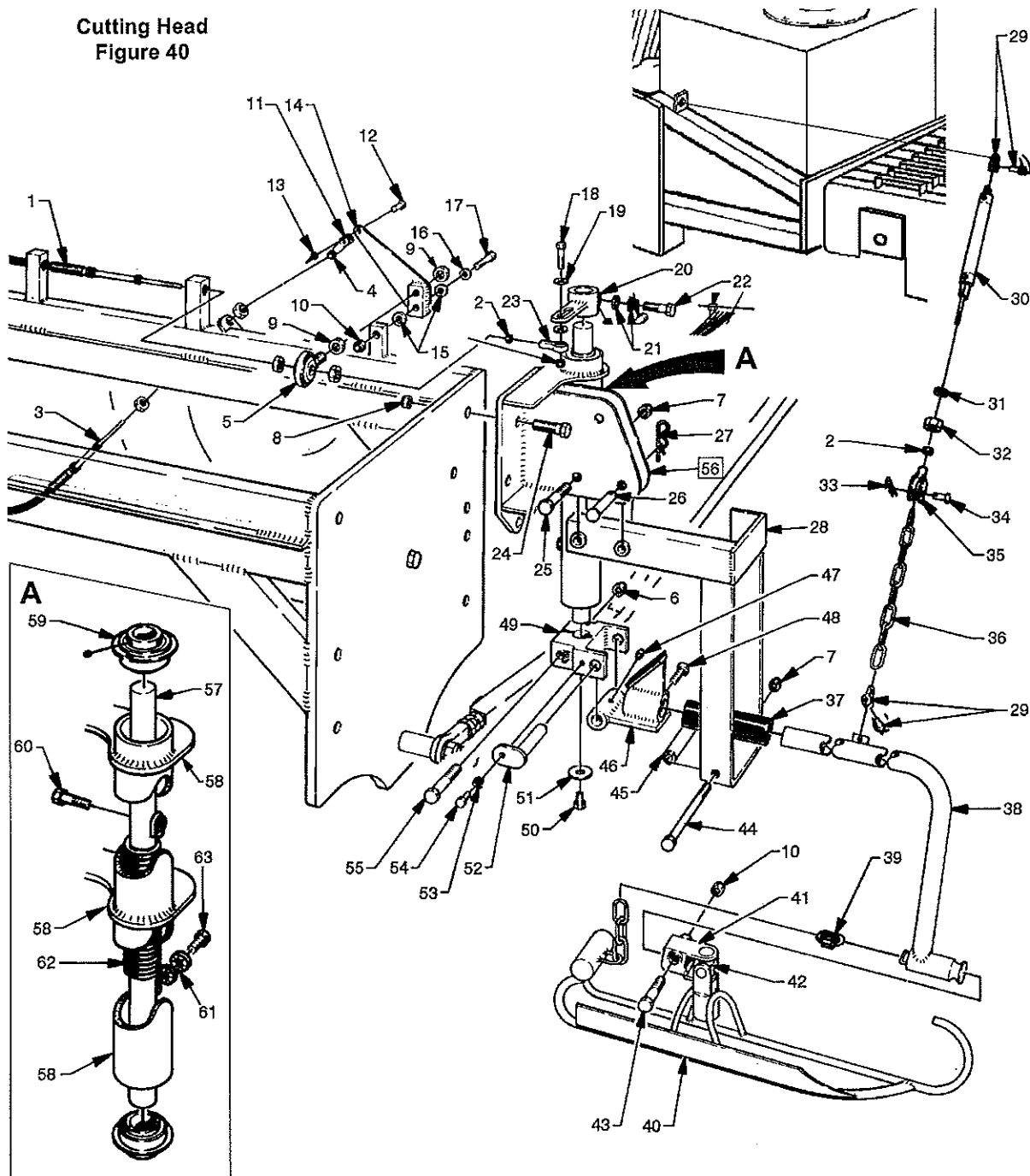
CONTENTS	PAGE
Cutting Head Section	14-2
Tractor Section	14-4
Valve Assemblies	14-10

A kit is available which contains all the items required to install Autosteer on 2WD or 4WD machines. Kit numbers are as follows:

For 2-wheel drive units
Part No. A03585C

For 4-wheel drive units
Part No. A03588B

Cutting Head
Figure 40



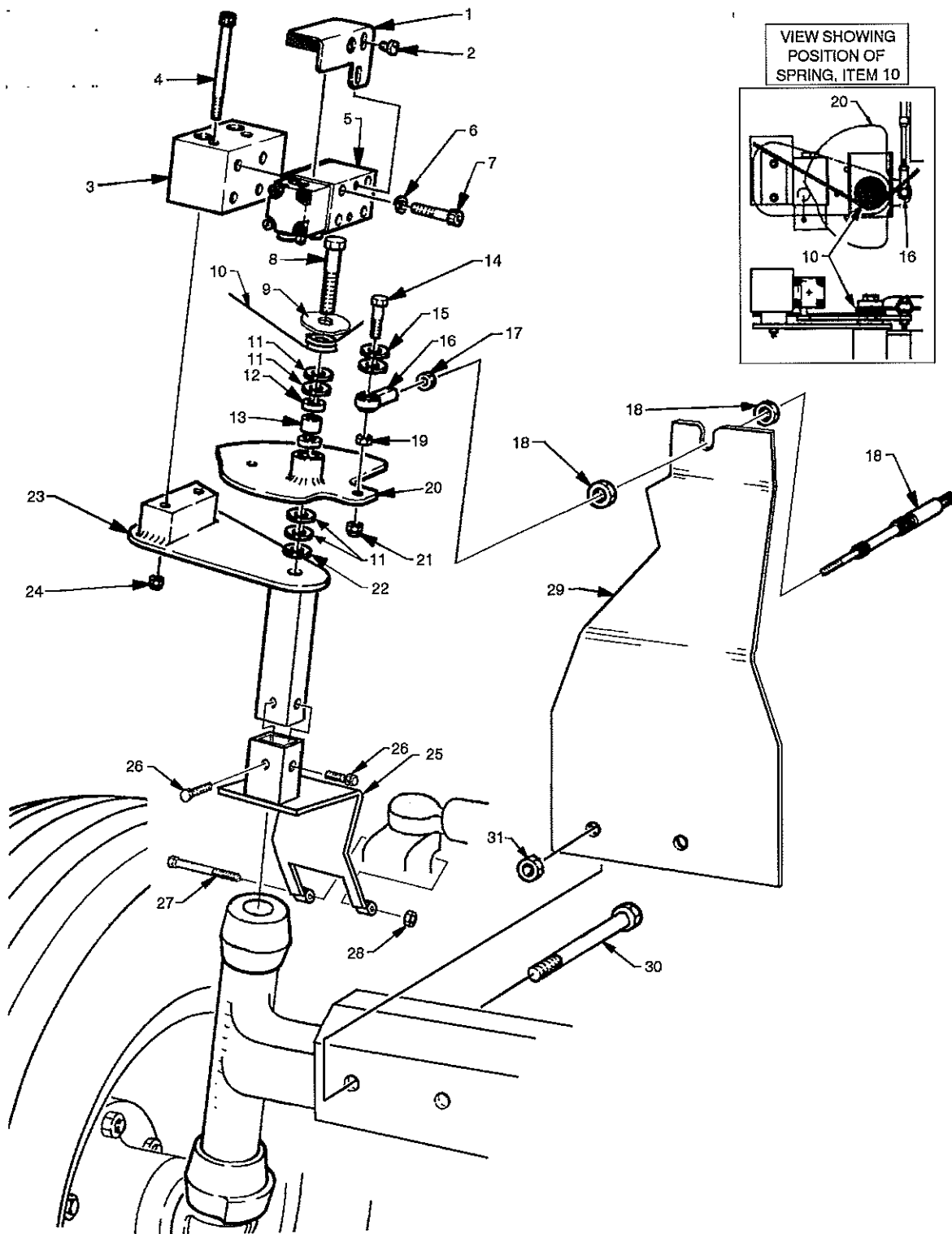
Parts List for Figure 40

1	M5270	CABLE, PUSH/PULL	1
2	F1006	NUT, JAM 1/4 NF	1
3	M5272	CABLE, MICRO ADJUSTABLE	1
4	01-013	NUT, #10	1
5	M0302	BALL END, RH	1
6	99-E41	LOCKNUT, NYLON 1/2	1
7	F5018	NUT, STOVER FLANGE 1/2	2
8	99-E37	NUT, FLANGE 1/2	3
9	99-E11	JAM NUT, 5/8 NF	2

Parts List for Figure 40 (continued)

Ref.	Part No.	Description	Quantity
10	99-E40	LOCKNUT, NYLON 3/8	2
11	43-Y0303F	YOKE, CLEVIS	1
12	03-0305	CLEVIS PIN	1
13	02-CP0204	COTTER PIN 1/16 X 1/2	1
14	016530	CABLE ARM	1
15	301691	FRICTION WASHER	2
16	94-06	FLAT WASHER, 3/8	1
17	90-0616	BOLT, 3/8 X 2	1
18	90-0410	BOLT, 1/4 X 1-1/4	1
19	94-04	FLAT WASHER, 1/4	2
20	016469	TOP LINKAGE ARM	1
21	F3076	WASHER, DISC LOCK-3/8	1
22	90-0612	BOLT, 3/8 X 1-1/2	1
23	43-004A	ROD END, 1/4	1
24	90-0812	BOLT, 1/2 X 1-1/2	3
25	90-0822	BOLT, 1/2 X 2-3/4	1
26	03-0820	PIN, CLEVIS 1/2"	1
27	G2503	PIN, HITCH CLIP	1
28	016428	GUIDE, AUTOSTEER SHOE	1
29	G8048	SHACKLE, ANCHOR 3/16"	2
30	23-152	CYLINDER, HYDRAULIC 7/8 X 5	1
	E3043	SEAL KIT, PISTON	1
	E3044	SEAL, END	1
31	E8024	SEAL, ROD WIPER	1
32	016310	RETAINER NUT	1
33	G2510	PIN, HITCH CLIP	1
34	03-0406	CLEVIS PIN, 1/4 X 3/4	1
35	43-Y0404F	YOKE END, 1/4 FEMALE	1
36	016060	CHAIN, AUTOSTEER RESET CYLINDER	1
37	016114	BUMPER, POLYPIPE	1
38	015110	SHOE ARM	1
39	G8084	QUICK LINK, 3/16	1
40	A21175	AUTOSTEER SHOE	1
41	D0004	CLAMP YOKE	1
42	D0008	KIT, JOURNAL	1
43	90-0614	BOLT, 3/8 X 1-3/4	1
44	90-0860	BOLT, 1/2 X 7-1/2	1
45	016417	ROLLER	1
46	015061	SHOE ARM SUPPORT	1
	016657	BUMPER, RUBBER	1
47	29-045	FITTING, GREASE	1
48	F3603	SET SCREW, 3/8 X 3/4 SQUARE HEAD	2
49	015102	PIVOT, SHOE ARM	1
50	99-K11	BOLT, FLANGE 3/8 X 3/4	1
51	99-B16	WASHER, FENDER 3/8 X 1-1/2	1
52	015059	SHOE ARM SUPPORT PIVOT PIN	1
53	96-04	LOCKWASHER, 1/4	1
54	90-0404	BOLT, 1/4 X 1/2	1
55	90-0824	BOLT, 1/2 X 3	1
56	A03586	ASSEMBLY, SHOE COLUMN	1
57	016498	SHAFT, SHOE COLUMN	1
58	016418	COLUMN, AUTOSTEER	1
59	B2022	BEARING, BALL	2
60	99-K73	BOLT, FLANGE 3/8 X 1-1/2	1
61	F3076	WASHER, DISC LOCK 3/8	1
62	015099	SPRING, SHOE COLUMN	1
63	90-0606	BOLT, 3/8 X 3/4	1

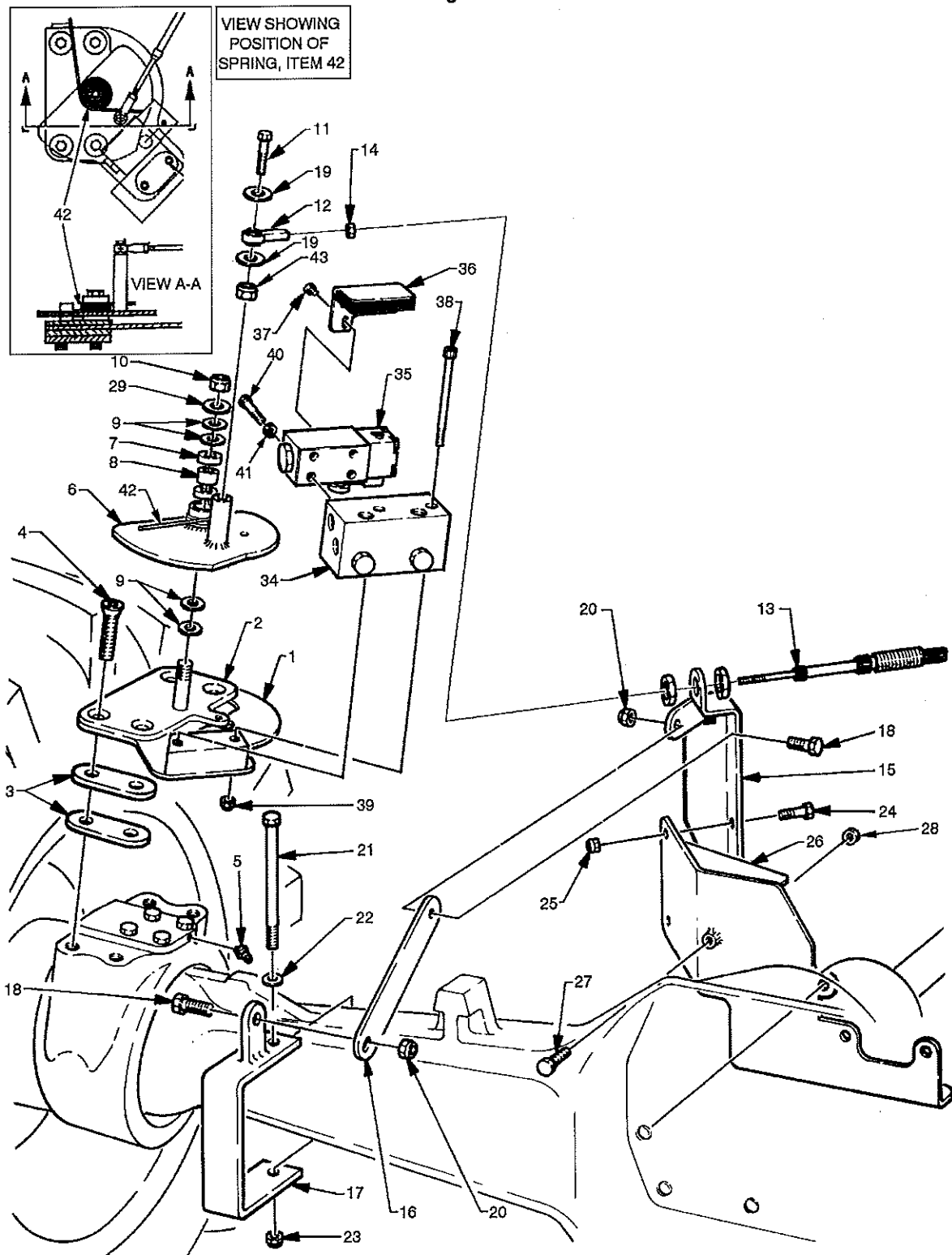
Autosteer 2 Wheel Drive
Figure 41



Parts List for Figure 41

Ref.	Part No.	Description	Quantity
1	016664	COVER, VALVE	1
2	REF	SCREW, M4 X .7 ISO M X 6.5 MM	2
3	H4085	STEERING MANIFOLD	1
4	F1735	SCREW, HEX SOC. CAP	2
5	23-142	VALVE, AUTOSTEER SENSOR (SEE PAGE 14-12)	1
	E3034	SEAL KIT	1
	H4095	END CAP KIT	1
	H4045	ROLLER LEVER	1
	016663	SEAL, FOAM	1
6	01-018	LOCK WASHER, #10	4
7	99-24	BOLT, #10-24 X 1-1/4 (WITHOUT SPACER)	4
8	90-0820	BOLT, 1/2 X 2-1/2	1
9	F6053	WASHER, 1/2 ID X 2-1/2 OD	1
10	016796	SPRING, AUTOSTEER BACKLASH 2WD	1
11	F5054	FLAT WASHER, 1/2	4
12	B2010	BEARING, BALL 1/2	2
13	015256	SPACER, SENSOR PIVOT	1
14	90-0412	BOLT, 1/4 X 1-1/2	1
15	94-04	FLAT WASHER, 1/4	2
16	43-004A	ROD END, 1/4	1
17	F1006	NUT, JAM 1/4	1
18	M5270	CABLE, PUSH/PULL	1
19	92-04	NUT, 1/4	1
20	A03572	ASSY, AUTOSTEER CAM 2WD	1
21	99-E39	LOCKNUT, NYLON 1/4	1
22	95-08	FLAT WASHER, 1/2 SAE	A/R
23	6109060	MOUNT, AUTOSTEER VALVE	1
24	99-E39	LOCKNUT, NYLON 1/4	2
25	6109061	MOUNT, AUTOSTEER VALVE	1
26	91-0404	BOLT, 1/4 X 1/2 NF	4
27	90-0632	BOLT, 3/8 X 4	1
28	99-E40	LOCKNUT, NYLON 3/8	1
29	6109120	ANCHOR BRACKET	1
30	90-1240	BOLT, 3/4 X 5	2
31	99-E43	LOCKNUT, NYLON 3/4	2

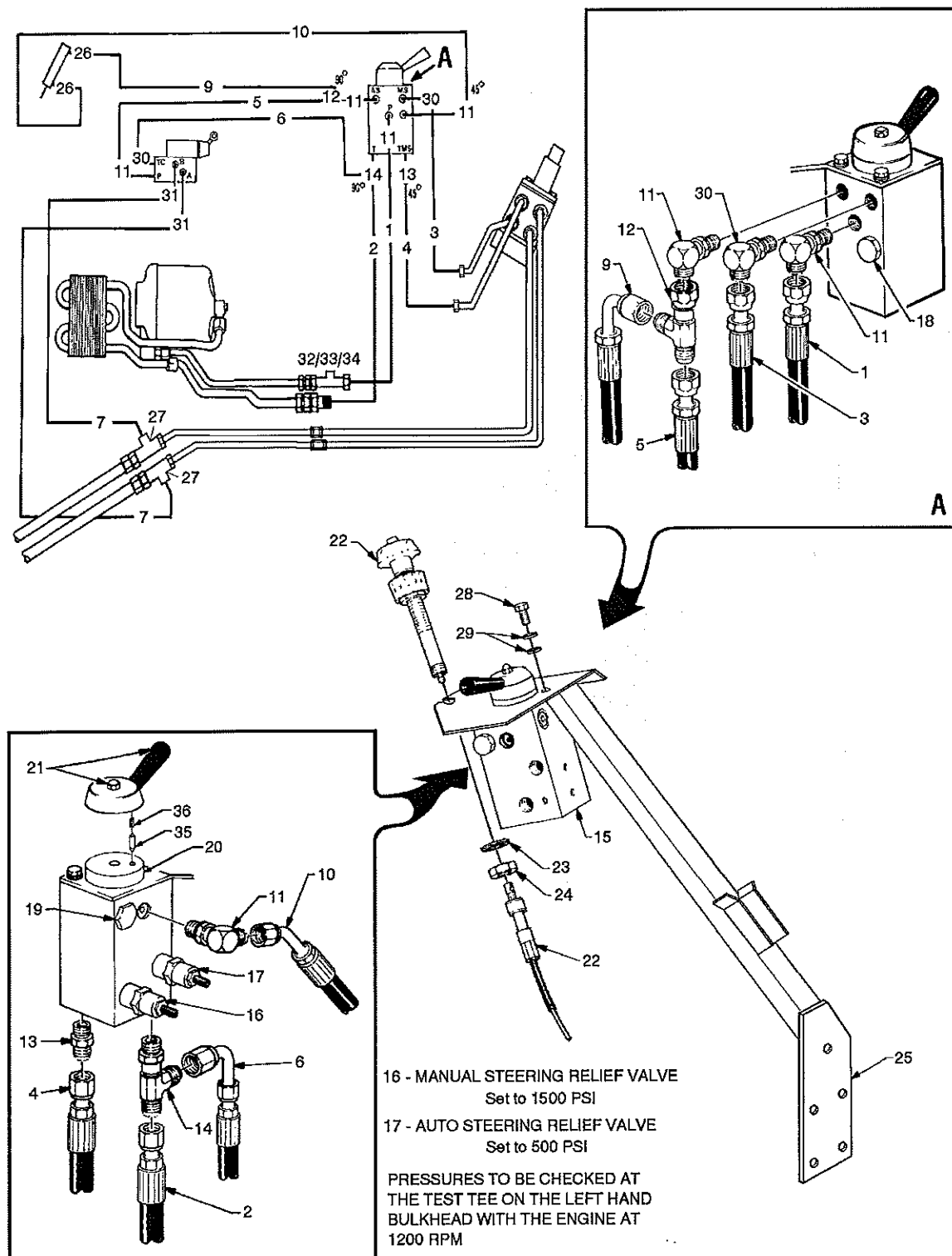
Autosteer 4 Wheel Drive
Figure 42



Parts List for Figure 42

Ref.	Part No.	Description	Quantity
1	016860	PLATE, FLANGE-4WD	1
2	016486	PLATE, PIVOT	1
3	016412	SPACER, PIVOT PLATE	4
4	N9023	SCREW, FLAT HEAD SOCKET M16 X 2MM X 45MM	4
5	M0201	FITTING, GREASE METRIC 90 DEG.	1
6	A03571	ASSY, AUTOSTEER CAM-4WD	1
7	B2010	BEARING, BALL	2
8	015256	SPACER, SENSOR PIVOT	1
9	F5054	FLAT WASHER, 1/2	4
10	F5012	LOCKNUT, NYLON 1/2	1
11	90-0412	BOLT, 1/4 X 1-1/2	1
12	43-004A	ROD END, 1/4	1
13	M5270	CABLE, PUSH/PULL	1
14	F1006	NUT, JAM 1/4	1
15	016309	BRACKET, CABLE MOUNT	1
16	5016903	BRACE	1
17	016517	CLAMP	1
18	99-K13	BOLT, FLANGE 3/8 X 1	2
19	94-04	FLAT WASHER, 1/4	2
20	99-E13	FLANGE NUT, 3/8	2
21	F3230	SCREW, HEX CAP 3/8 X 6	1
22	94-06	FLAT WASHER, 3/8	1
23	99-E13	FLANGE NUT, 3/8	1
24	99-K02	BOLT, FLANGE 5/16 X 1	2
25	99-E12	FLANGE NUT, 5/16	2
26	6109164	AXLE BRACKET	1
27	F3719	SCREW, HEX CAP 3/8 X 1-1/2	1
28	99-E13	FLANGE NUT, 3/8	1
29	F6053	FLAT WASHER, 5/8	1
30	016442	SHIM, .035 THICK	A/R
31	016441	SHIM, .059 THICK	A/R
32	016440	SHIM, .134 THICK	A/R
33	016439	SHIM, .250 THICK	A/R
34	H4085	STEERING MANIFOLD	1
35	23-142	VALVE, AUTOSTEER SENSOR	1
36	016664	COVER, VALVE	1
	016663	SEAL, FOAM	1
37	REF	SCREW, M4 X .7 ISO M X 6.5MM	2
38	F1735	SCREW, HEX SOC. CAP 1/4 X 4	2
39	99-E39	LOCKNUT, NYLON 1/4	2
40	F0350	BOLT, #10 X 2 (WITH SPACER)	4
	99-24	BOLT, #10 X 1-1/4 (WITHOUT SPACER)	4
41	01-018	WASHER, LOCK #10	4
42	016858	SPRING, 4WD	1
43	92-04	NUT, 1/4	1

Selector Valve & Fine Adjuster
Figure 43



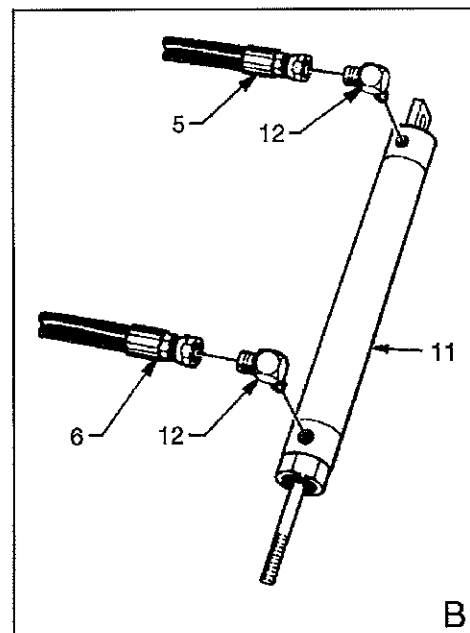
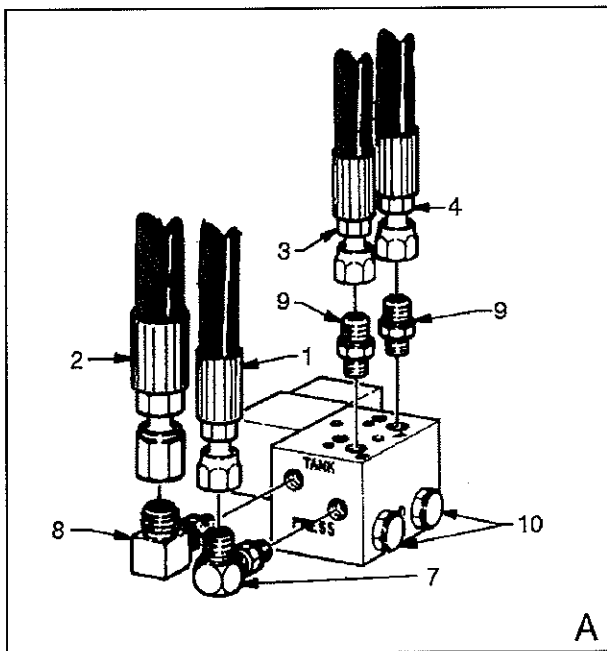
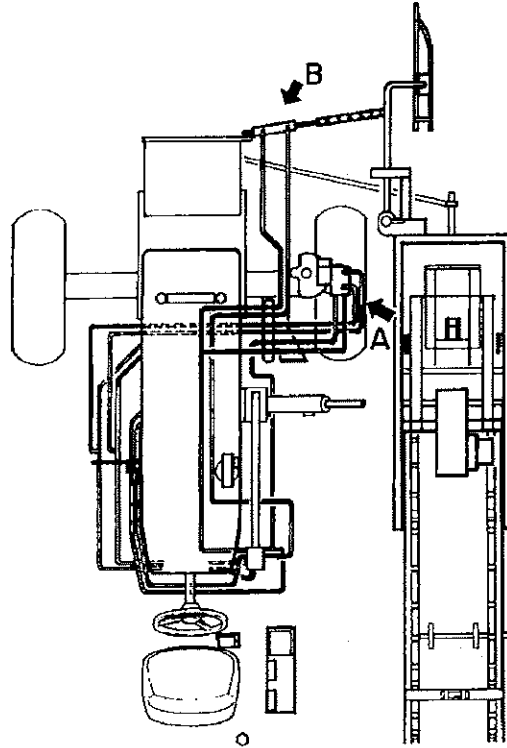
Parts List for Figure 43

Ref.	Part No.	Description	Quantity
1	20-168	HOSE, STEERING PRESSURE	1
2	20-169	HOSE, STEERING RETURN	1
3	016954	HOSE, STEERING SELECTOR TO STEERING UNIT	1
4	20-169	HOSE, STEERING UNIT TO STEERING SELECTOR	1
5	016054	HOSE, SELECTOR VALVE TO SENSOR VALVE	1
6	016055	HOSE, SENSOR VALVE TO SELECTOR VALVE	1
7	20-166	HOSE, 3/8 x 99 -6ORFS(F) X -8ORFS F	1
8	20-167	HOSE, 3/8 x 83 -6ORFS(F) X -8ORFS F	1
9	016058	HOSE, RESET CYLINDER EXTEND	1
10	016059	HOSE, RESET CYLINDER RETRACT	1
11	H7002	FITTING, 90 M#6 ORB X M#6 ORF	4
12	H7004	FITTING, SW RUN TEE M#6 ORFS	3
13	H7001	FITTING, CONN M#8 ORB X M#8 ORF	1
14	H7005	FITTING, TEE -8 M ORB/-8 M ORFS	1
15	H4070	VALVE, STEERING SELECTOR	1
	21-21120	SPRING, ROTARY VALVE	1
	21-21119	PLUNGER, ROTARY VALVE	1
16	H4078	CARTRIDGE, RELIEF VALVE	1
	E3040	KIT, SEALS	1
17	H4079	CARTRIDGE, RELIEF VALVE	1
	E3040	KIT, SEALS	1
18	H4080	CARTRIDGE, CHECK VALVE	1
	E3041	KIT, SEALS	1
19	H4077	CARTRIDGE, CHECK VALVE	1
	E3040	KIT, SEALS	1
20	H4081	CARTRIDGE, SELECTOR VALVE	1
	E3042	KIT, SEALS	1
21	H4082	KIT, LEVER ASSY FOR H4070	1
	H4083	LEVER FOR H4070	1
	H4084	NUT, ROTARY VALVE	1
22		CABLE, MICRO ADJUSTABLE	1
23	F6078	WASHER, LOCK 5/8 INTERNAL TOOTH	1
24	99-E11	JAM NUT, 5/8 NF	1
25	6109110	MOUNT, SELECTOR VALVE	1
26	H6189	FITTING, 90 DEG 1/8" NPT-3/8"	2
27	25-FF6602-8-8	FITTING, TEE #8MORFS x 2 X #8FSWVORF	2
28	90-0608	BOLT, 3/8 X 1	2
29	F3076	WASHER, DISC LOCK 3/8	2
30	H7003	FITTING, 90 M#6 ORB X M#8 ORF	1
31	H7000	FITTING, CONN M#6 ORB X M#6 ORF	2
32	6109128 (OBS)	TEE, MODIFIED	1
33	H2026	FITTING, ADAPTER 1/4" NPT-1/8"	1
34	H8026	PLUG, SOCKET HEAD 1/4"	1
35	21-21119	PLUNGER, ROTARY VALVE	1
36	21-21120	SPRING, ROTARY VALVE	1

Replace with:

25-FF6602-8-8	FITTING, TEE	1
25-FF6504-8-8	FITTING, ADAPTER	1
H-8024	FITTING, CAP	1

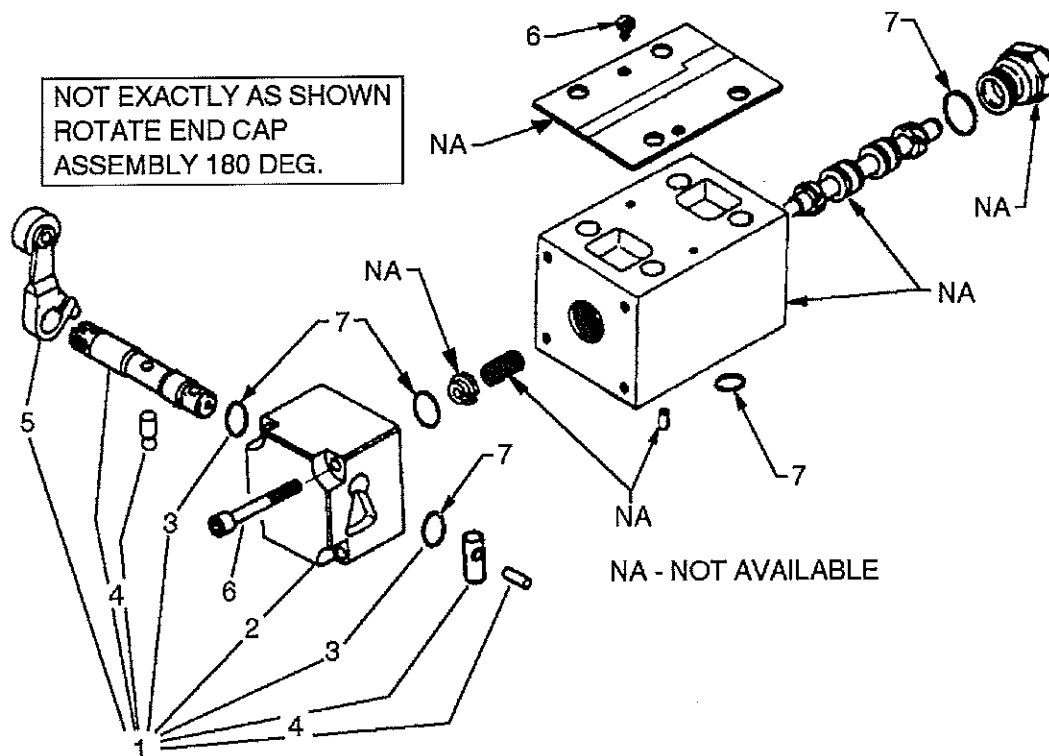
Selector Valve & Fine Adjuster
Figure 44



Parts List for Figure 44

Ref.	Part No.	Description	Quantity
1	016054	HOSE, SELECTOR VALVE TO SENSOR VALVE	1
2	016055	HOSE, SENSOR VALVE TO SELECTOR VALVE	1
3	20-167	HOSE, 3/8 x 83 -6ORFS(F) X -8ORFS F	1
4	20-166	HOSE, 3/8 x 99 -6ORFS(F) X -8ORFS F	1
5	016058	HOSE, RESET CYLINDER EXTEND	1
6	016059	HOSE, RESET CYLINDER RETRACT	1
7	H7002	FITTING, 90 M#6 ORB X M#6 ORF	1
8	H7003	FITTING, 90 M#6 ORB X M#8 ORF	1
9	H7000	FITTING, CONN M#6 ORB X M#6 ORF	2
10	H4088	CARTRIDGE, CHECK VALVE	2
11	H0716	CYLINDER, HYDRAULIC 7/8" X 5"	1
	E3043	KIT, PISTON SEALS	1
	E3044	SEAL, END	1
12	H6189	FITTING, ADAPTER	2

Sensor Valve Service Parts
Figure 45

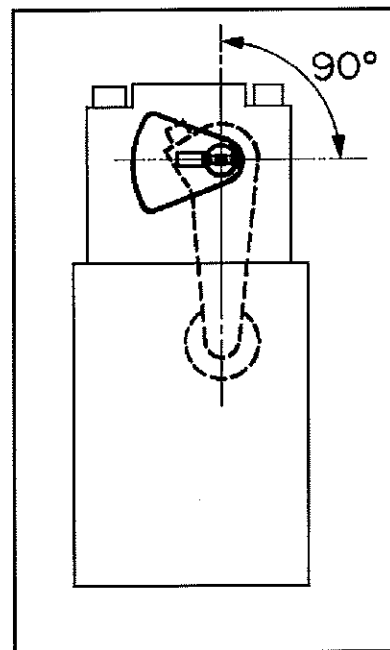


SENSOR VALVE

Before installing the sensor valve the roller lever must be set 90 degrees to the slot in the shaft. This will be in the center of the full travel of the roller arm in the installed position.

In the installed position, the stop pin should be in the center of its adjustment when the cam is in the neutral position. (1/4" pin in place) If this is not the case, check the roller lever position, as per above.

A cover and foam gasket are used to prevent water or dirt from accumulating in the stop pin cavity. Use loctite on the screws, and check periodically to keep cavity clear.



AUTOSTEER

section 14

Parts List for Figure 45

<u>Ref.</u>	<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
1	H4095	KIT, CAM LEVER AND COVER	1
2	REF	END CAP	1
3	REF	O RING (ALSO INCLUDED IN REF. 7)	2
4	REF	PIVOT SHAFT ASSEMBLY	1
5	A02027	AUTOSTEER TRIP ARM ASSEMBLY	1
	002633	AUTOSTEER TRIP ARM W/A	1
	55-106	BEARING, BALL 1/4 ID X 3/4 OD	2
	96-04	LOCKWASHER, 1/4	1
	99-K96	BOLT, 1/4 X 7/8 BUTTON HEAD	1
6	H4096	HARDWARE KIT	1
7	E3034	KIT, SEAL	1

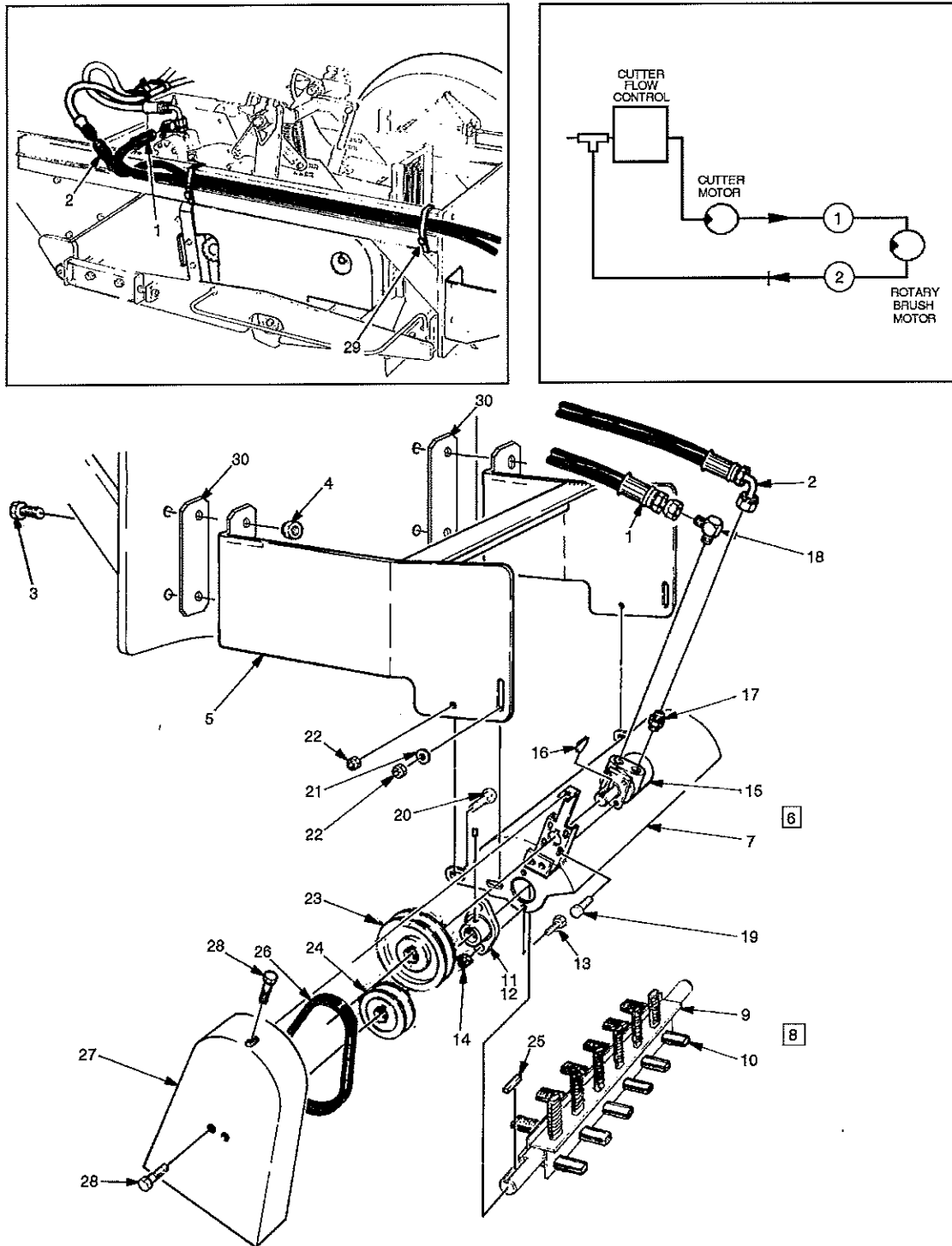
CONTENTS	PAGE
Rotary Brush	15-2

A kit is available which contains all the items required to install a Rotary Brush.

ROTARY BRUSH INSTALLATION KIT: PART NO. A03636 (16" & 18") or A03637 (24")

Contains Complete Rotary Brush and all necessary hardware

Figure 46
Rotary Brush



ROTARY BRUSH

section 15

Parts List for Figure 46

Ref.	Part No.	Description	Quantity
	A03636	KIT, ROTARY BRUSH -16/18"	
	A03637	KIT, ROTARY BRUSH -24"	
1	016434	HOSE, CUTTER MOTOR/BRUSH MOTOR	1
2	016435	HOSE, BRUSH MOTOR RETURN	1
3	90-0814	BOLT, 1/2 X 1-3/4	4
4	99-E37	FLANGE NUT, 1/2	4
5	016420	FRAME, ROTARY BRUSH -16/18"	1
	016421	FRAME, ROTARY BRUSH -24"	1
6	A08170	ASSEMBLY, ROTARY BRUSH -16/18"	1
	A03599	ASSEMBLY, ROTARY BRUSH -24"	1
7	009249	COVER, ROTARY BRUSH -16/18"	1
	016321	COVER, ROTARY BRUSH -24"	1
8	A03382	ASSEMBLY, ROTARY BRUSH FRAME -16/18"	1
	A03434	ASSEMBLY, ROTARY BRUSH FRAME -24"	1
9	015230	ROTARY BRUSH FRAME	1
	015510	FRAME, ROTARY BRUSH	1
10	M5106	SWEEPER FINGERS 11-1/2" -16/18"	24
	M5106	SWEEPER FINGERS 11-1/2" -24"	31
11	B8007	BEARING, CARTRIDGE 1" BORE	2
12	B8008	FLANGE, PRESSED STEEL F/BRG	4
13	90-0508	BOLT, 5/16 X 1	4
14	99-E12	FLANGE NUT, 5/16	4
15	H0026	MOTOR, HYDRAULIC	1
	21-094	SEAL KIT FOR H0026	1
16	G8019	KEY, WOODRUFF 1/4 X 1	1
17	25-0503-10-10	FITTING, STR -10 M ORB/-10 MJIC	1
18	25-2503-10-10	FITTING, 90 -10 M JICx-10 M ORB	1
19	99-K11	BOLT, FLANGE 3/8 X 3/4	4
20	97-0508	CARRIAGE BOLT, 5/16 X 1	4
21	95-05	FLAT WASHER, 5/16 SAE	2
22	F2014	NUT, STOVER FLANGED 5/16	4
23	83-BK5016	SHEAVE, FIXED: -"B"BELT.4.4"	1
24	D2207	SHEAVE, FIXED: -"BK34 X 1"	1
25	124422	KEY, 1/4 X 1/4	1
26	D2006	BELT, V: -B28	1
27	009259	GUARD, ROTARY BRUSH DRIVE	1
28	99-K19	BOLT, FLANGE 5/16 X 3/4	3
29	G8002	WIRE TIE, 15-1/4" LONG T120	2
*	401257	DECAL, "BROUWER"	1
30	002321	SPACER, BRUSH MOUNTING	2

* Not Illustrated

CONTENTS**PAGE**

Counter

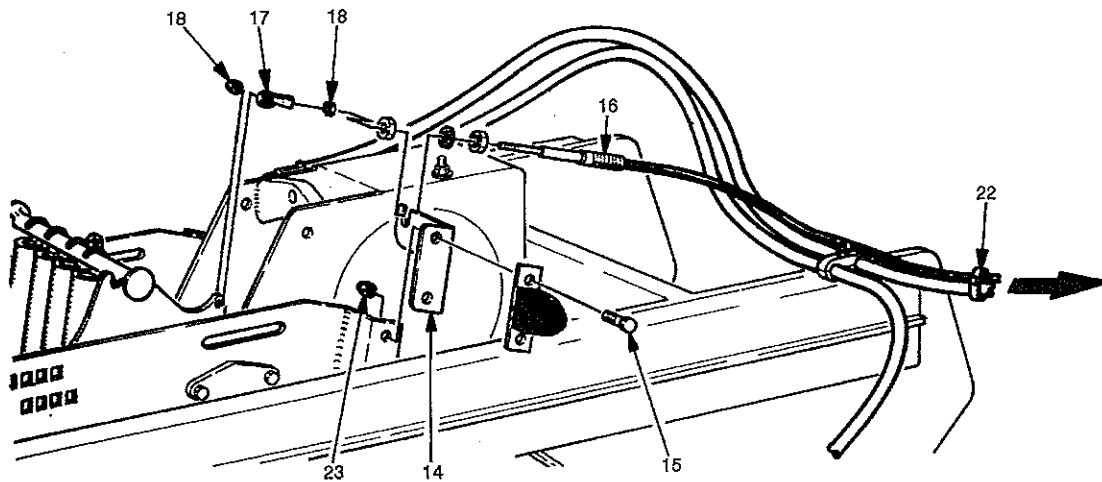
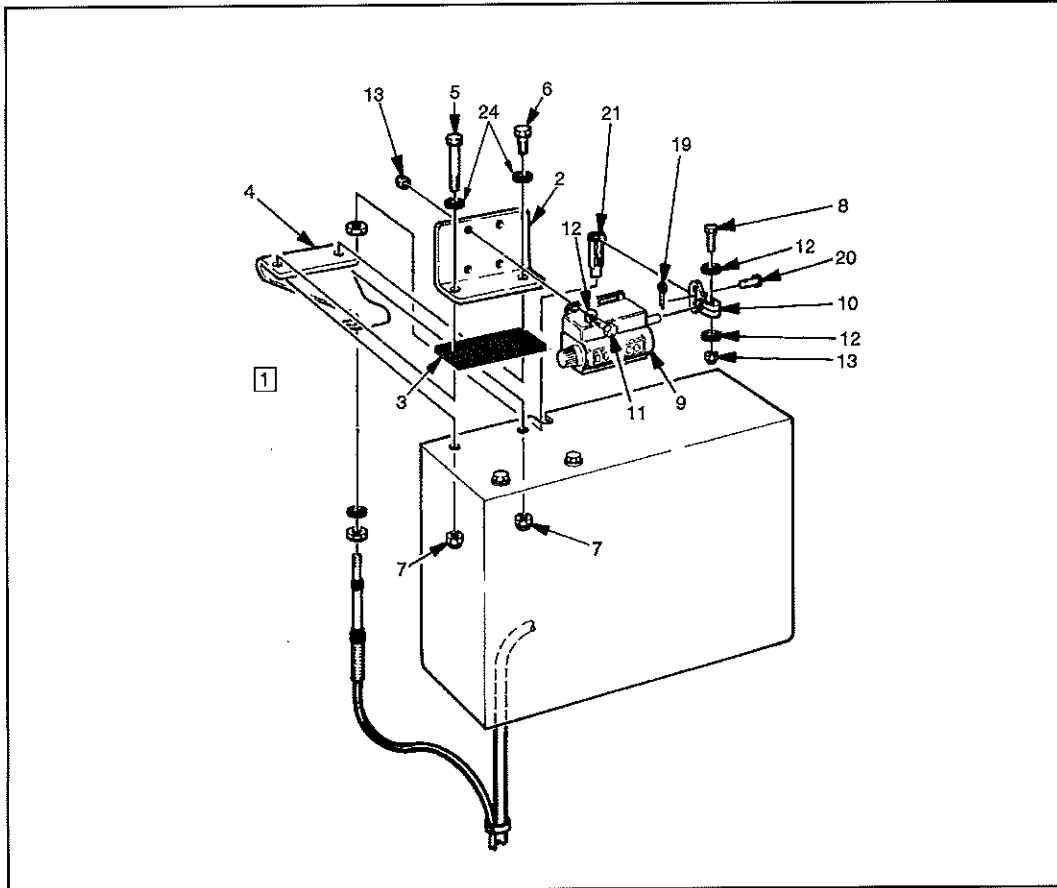
16-2

A kit is available which contains all the items required
to install a Counter on a Roll-up unit.

COUNTER INSTALLATION KIT: PART NO. A03655

Contains Counter and all necessary hardware

Counter
Figure 47



COUNTER

section 16

Parts List for Figure 47

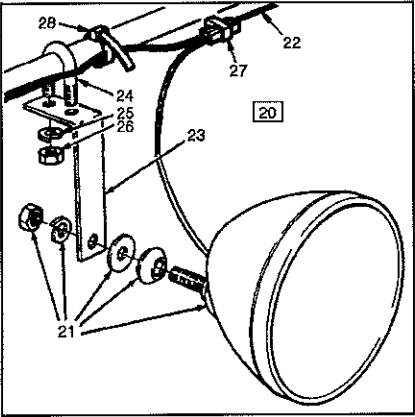
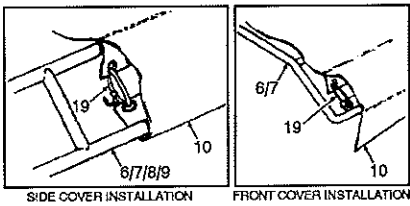
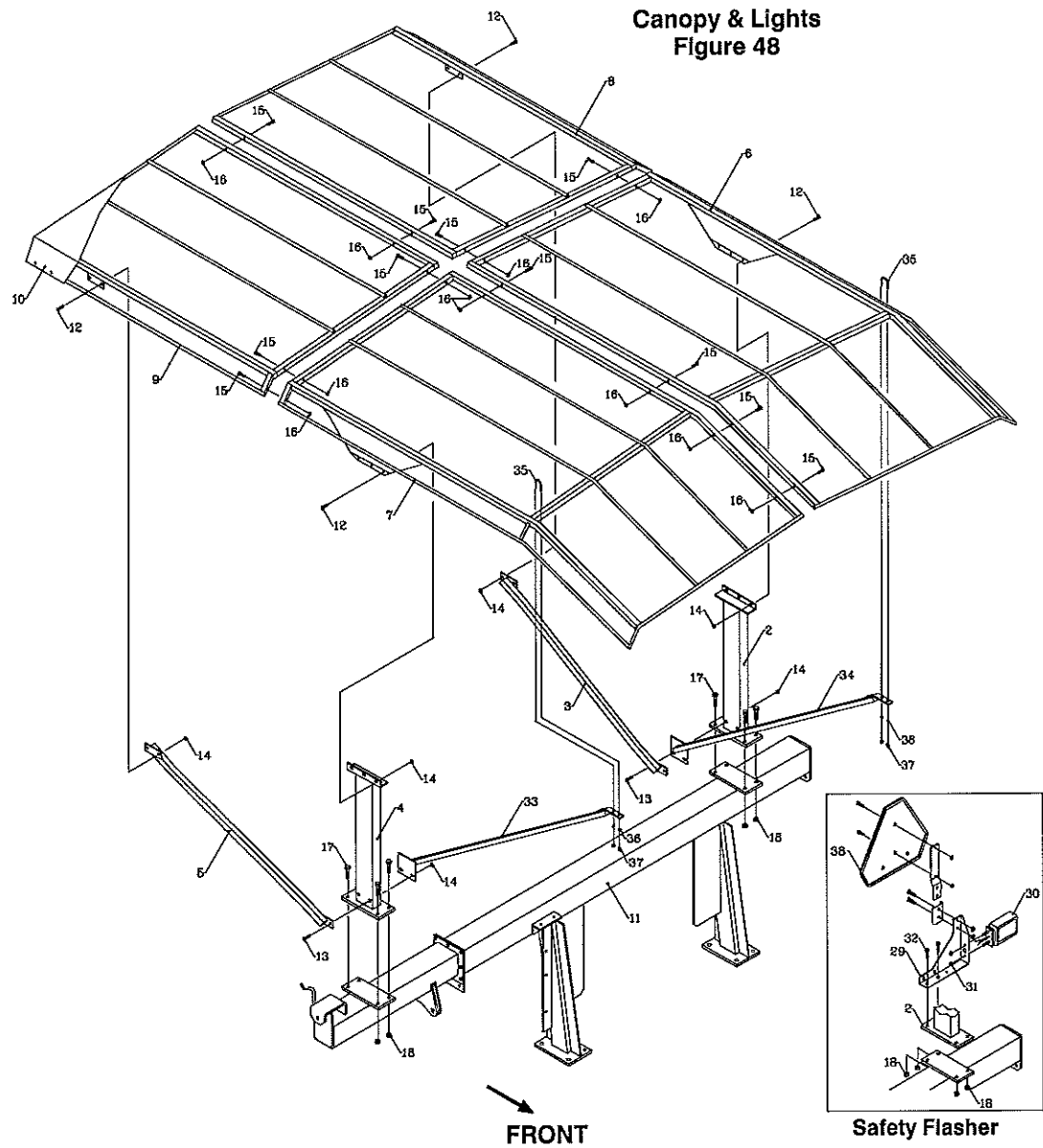
Ref.	Part No.	Description	Quantity
1	A03655	KIT, COUNTER	1
2	015501	BRACKET, MOUNTING- COUNTER	1
3	016714	COUNTER, ANTI VIBRATION PAD	1
4	016685	MOUNT, CABLE-CONTROL PANEL END	1
5	90-0528	BOLT, 5/16 X 3-1/2	1
6	90-0512	BOLT, 5/16 X 1-1/2	1
7	99-E12	FLANGE NUT, 5/16	2
8	01-016	SCREW, MACHINE 10-24 X 1	1
9	M5151	COUNTER, VEEDER ROOT	1
10	016686	ARM, COUNTER	1
11	F0301	SCREW, MACHINE 10-24 X 3/4	4
12	01-028	WASHER, FLAT #10 SAE	6
13	F0003	NUT, NYLON INSERT	5
14	016684	BRACKET, COUNTER CABLE-HEAD	1
15	99-K13	BOLT, FLANGE 3/8 X 1	2
16	M5011	CABLE, PUSH PULL	1
17	43-003SA	ROD END, 10-32 STUDDER (STEEL)	1
18	01-013	NUT, #10-32	1
19	02-CP0204	COTTER PIN, 1/16 X 1/2	1
20	03-0305	CLEVIS PIN, 3/16 X 5/8	1
21	43-Y0303F	YOKE, CLEVIS 10-32 THRD. 3/16	1
22	30-037	WIRE TIE, T50R 3/16 X 7-3/4	4
23	99-E13	FLANGE NUT, 3/8	2
24	94-05	FLAT WASHER, 5/16 USS	2

CONTENTS	PAGE
Canopy & Lights	17-2

A kit is available which contains all the items required to install a Canopy & Lights.

CANOPY & LIGHTS INSTALLATION KIT: PART NO. A03635

Contains Canopy, Lights and all necessary hardware



CANOPY & LIGHTS

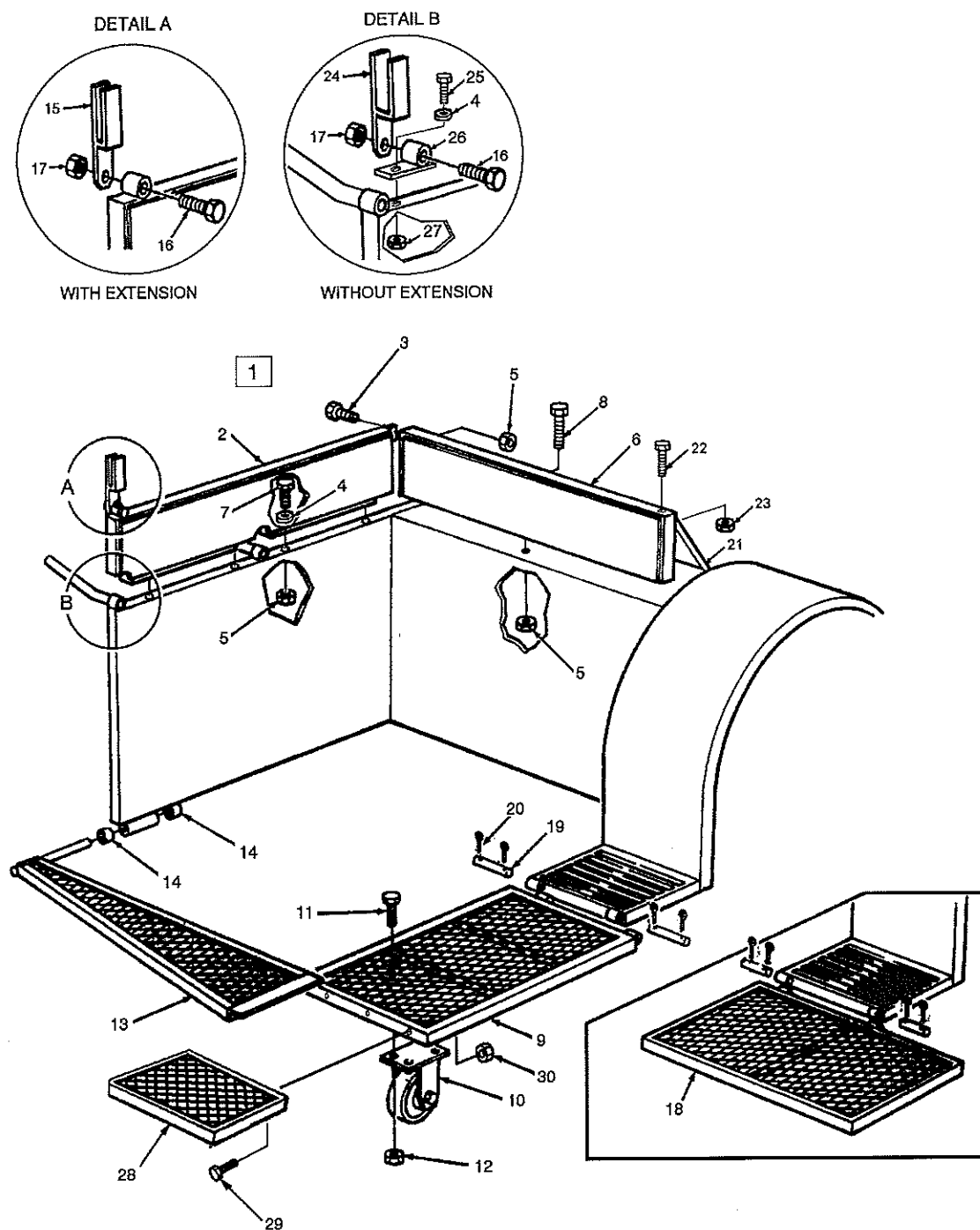
section 17

Parts List for Figure 48

Ref.	Part No.	Description	Quantity
1	A03957	CANOPY AND LIGHT ASSEMBLY	1
2	015423	ROOF SUPPORT	1
3	002284	CANOPY SUPPORT ARM LH	1
4	015423	ROOF SUPPORT	1
5	015261	ROOF SUPPORT ARM	1
6	015957	FRAME, FRONT CANOPY LH	1
7	015958	FRAME, FRONT CANOPY RH	1
8	002351	FRAME, REAR CANOPY LH	1
9	002352	FRAME, REAR CANOPY RH	1
10	002359	CANOPY COVER	1
11	REF	MAIN BEAM	1
	A03423	KIT, HARDWARE FOR CANOPY	1
12	99-K02	FLANGE BOLT, 5/16 X 1	10
13	90-0526	BOLT, 5/16 X 3-1/4	4
14	99-E12	FLANGE NUT, 5/16	14
15	90-0520	BOLT, 5/16 X 2-1/2	12
16	99-E12	FLANGE NUT, 5/16	12
17	90-0814	BOLT, 1/2 X 1-3/4	8
18	99-E37	FLANGE NUT, 1/2	8
19	G8002	WIRE TIE, 15-1/4 LONG T120	60
20	A03392	KIT, CANOPY LIGHTS	1
21	J3008	HEADLIGHT 35W	3
22	015466	WIRE, 16 GA. RED X 36 FT. LONG	1
23	015373	BRACKET, LIGHT	3
24	F9023	U-BOLT	3
25	96-05	LOCKWASHER, 5/16	2
26	93-05	NUT, 5/16 NF	2
27	30-095	CONNECTOR, QUICK SPLICE	3
28	30-037	WIRE TIE, T50R 3/16 X 7-3/4	6
29	6109261 (REF)	MOUNT, SMV/ FLASHER (SEE FIG. 1, REF. 51)	1
30	002287	FLASHER ASSEMBLY	1
31	99-E12	FLANGE NUT, 5/16	2
32	90-0816	BOLT, 1/2 X 2	2
33	002513	BRACE, RIGHT HAND CANOPY SUPPORT	1
34	002515	BRACE, LEFT HAND CANOPY SUPPORT	1
35	F9023	U-BOLT	2
36	96-05	LOCKWASHER, 5/16	4
37	93-05	NUT, 5/16 NF	4
38	41-141 (REF)	EMBLEM, SMV W/MOUNT (INCL. BRACKETS & HARDWARE) (SEE FIG. 1, REF. 48)	

CONTENTS	PAGE
Sod Panel Extensions & Platforms	18-2
Sod Panel Extensions: Part No. A03288 (48") or A03289 (54")	
contains: Extension: Rear Panel	
Extension: Side Panel	
Includes all necessary hardware	
Platforms: Rolling Unit Platform	Item 18
Slabbing Platform	Item 9
48" Tail Platform	Item 13
order necessary hardware	

Sod Panel Extensions & Platforms
Figure 49



SOD PANEL EXTENSIONS

section 18

Parts List for Figure 49

Ref.	Part No.	Description	Quantity
1	A03288	KIT, SOD PANEL EXTENSION FOR 48" PALLET	1
	A03289	KIT, SOD PANEL EXTENSION FOR 54" PALLET	1
2	6109125	EXTENSION, SIDE SOD PANEL	1
3	99-K11	BOLT, FLANGE 3/8 X 3/4	2
4	94-06	FLAT WASHER, 3/8 (WITH EXTENSION)	4
	94-06	FLAT WASHER, 3/8 (WITHOUT EXTENSION)	1
5	99-E34	FLANGE NUT, 3/8 NF	9
6	014066	EXTENSION, REAR SOD PANEL -48"	1
	014067	EXTENSION, REAR SOD PANEL -54"	1
7	90-0614	BOLT, 3/8 X 1-3/4	4
8	99-K11	BOLT, FLANGE 3/8 X 3/4	3
9	001718	SLABBING PLATFORM	1
10	R0001	CASTER WHEEL, 8"	1
	B3002	BEARING, ROLLER	1
	R0002	CASTER WHEEL, 10"	1
	B3002	BEARING, ROLLER	1
	53-175	CASTER WHEEL, PNEUMATIC 8" (OPTIONAL)	1
11	90-0810	BOLT, 1/2 X 1-1/4	4
12	99-E37	FLANGE NUT, 1/2	4
13	001757	PLATFORM, TAIL 48" PALLET	1
	015889	PLATFORM, TAIL 54" PALLET	1
14	85-SC16	SET COLLAR, 1"	2
15	014194	LATCH FOR STD. PILING WALL	1
16	90-0824	BOLT, 1/2 X 3	1
17	99-E41	LOCKNUT, NYLON 1/2	1
18	001717	PLATFORM, WIDE (ROLLING)	1
19	001332	PIN, HINGE- STANDING PLATFORM	2
20	02-CP0612	COTTER PIN, 3/16 X 1-1/2	4
21	002442	BRACE, PILING WALL	1
22	99-K02	BOLT, FLANGE 5/16 X 1	1
23	99-E12	FLANGE NUT, 5/16	1
24	014195	LATCH FOR PILING WALL EXTENSION	1
25	90-0616	BOLT, 3/8 X 2	1
26	002324	PIVOT, PLATFORM LATCH	1
27	99-A06	LOCKNUT, STOVER 3/8	1
28	6109152	EXTENSION, SLABBING PLATFORM (USED WITH 24" CURVED CONVEYOR)	1
29	90-0822	BOLT, 1/2 X 2-3/4 (24" CURVED CONVEYOR)	3
30	99-E37	NUT, 1/2 (24" CURVED CONVEYOR)	3

