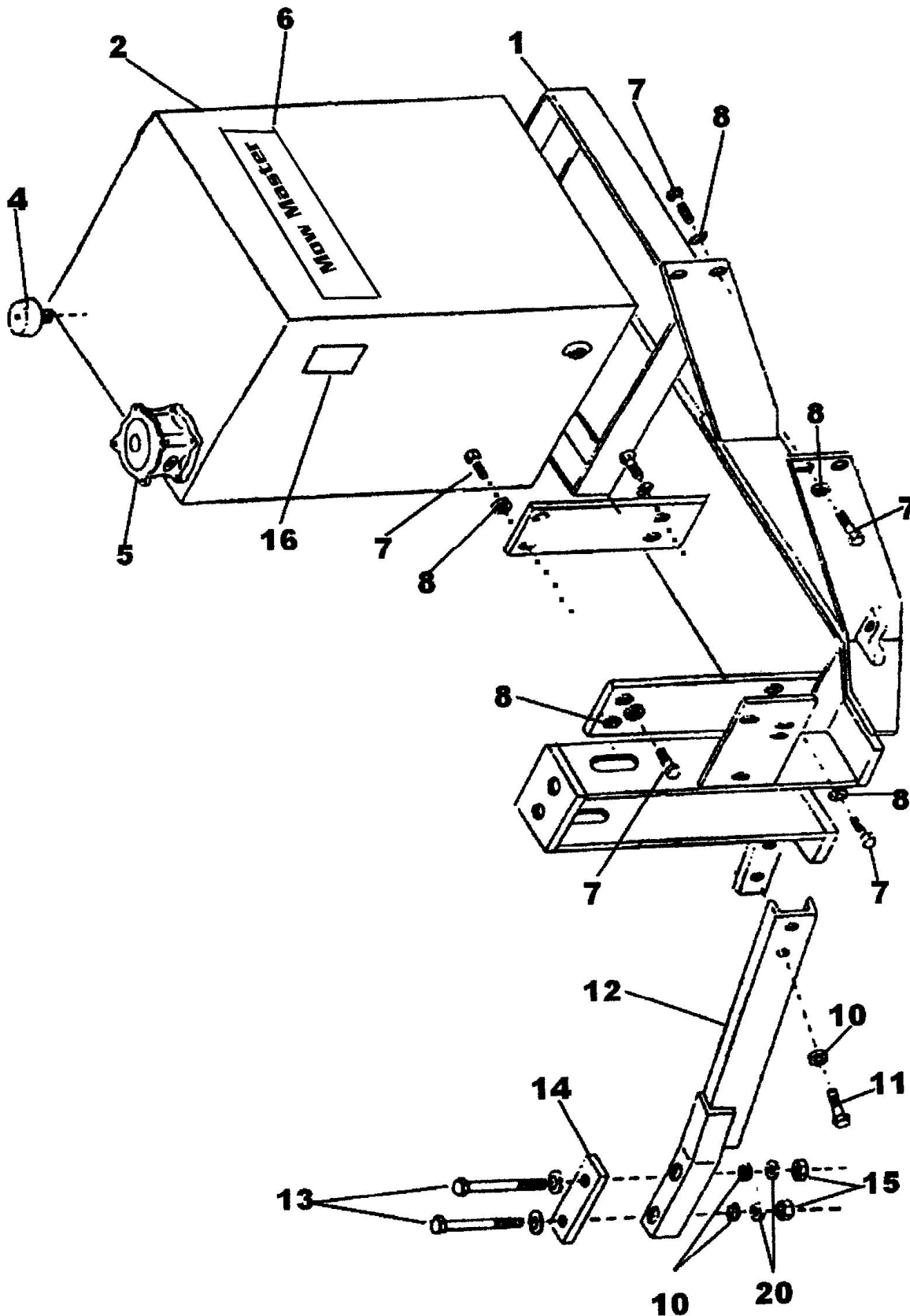


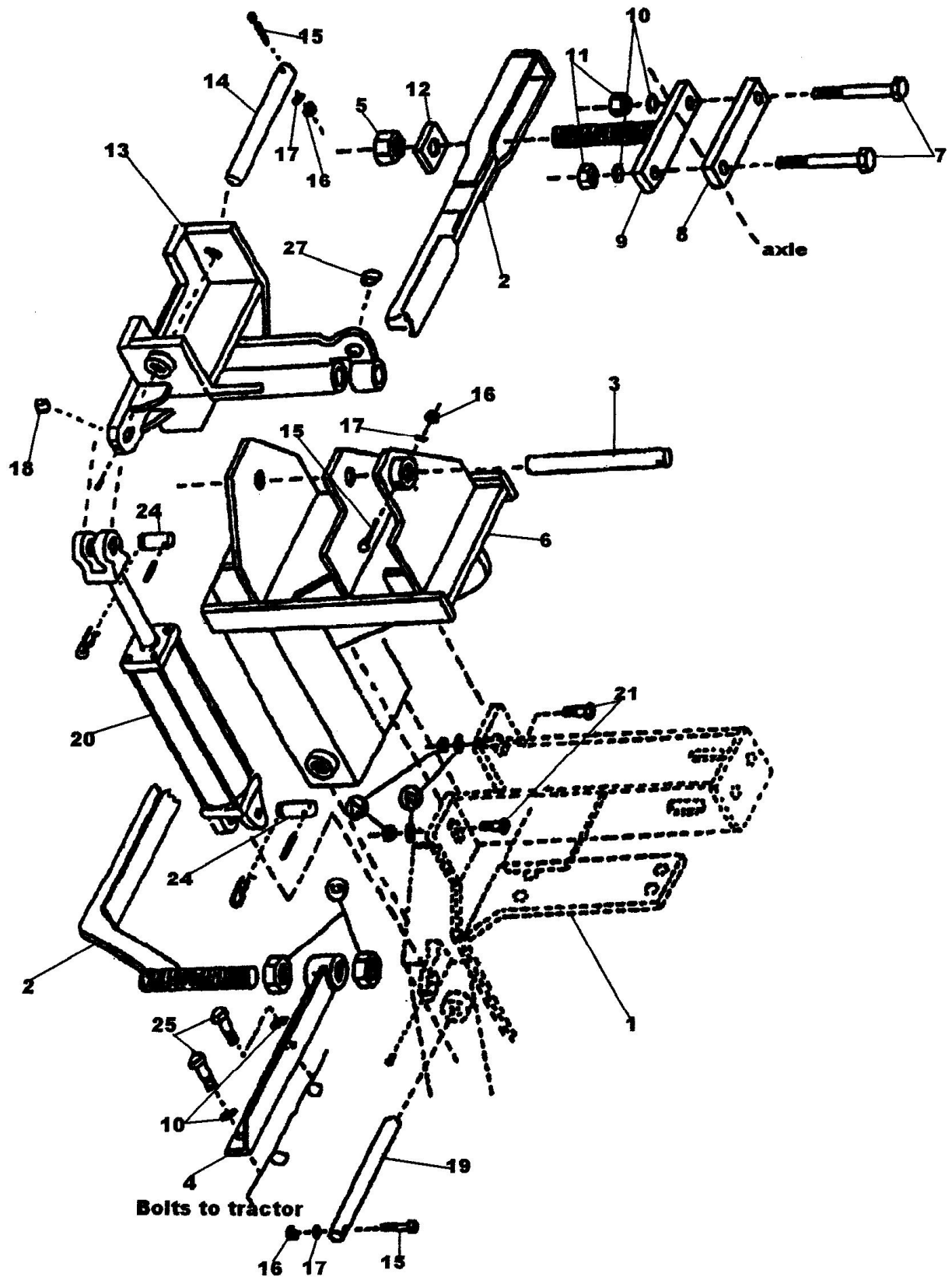
Main Frame Assembly
Flail Boom Mower 19F, 21F, 23F
Figure 1



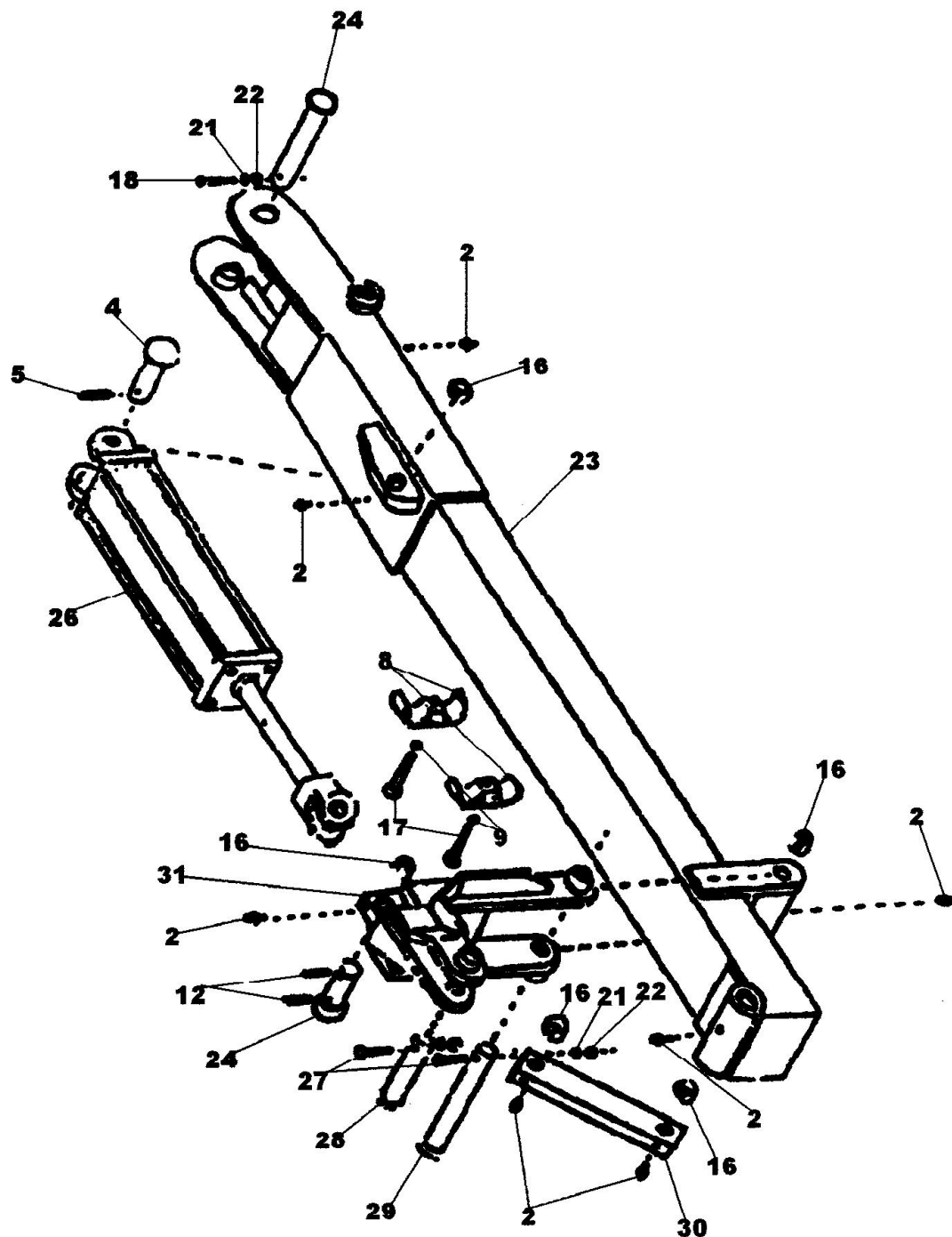
Side Mount Mower
Main Frame Assembly
Figure 1

REF NO	PARTS DESCRIPTION	REQUIRED	PART #
1.	main frame assembly	1	MM001
2.	reservoir tank	1	MM002
4.	breather/fill assembly	1	MM004
5.	filter assembly (in tank)	1	MM005
6.	"Mow Master" decal	1	MM006
7.	capscrew, $\frac{3}{4}$ " x 1 $\frac{3}{4}$ "	16	4884
8.	lockwasher, $\frac{3}{4}$ "	18	34LW
9.	zerk, $\frac{1}{4}$ " drive	1	80024
10.	flat washer, $\frac{3}{4}$ "	6	34FW
11.	capscrew, $\frac{1}{2}$ " x 2	2	1213x2HH
12.	axle brace	1	MM012
13.	capscrews, $\frac{3}{4}$ " x 9" NC	2	MM013
14.	axle brace plate	1	MM014
15.	hex nuts, $\frac{3}{4}$ "NC	2	34HHN
16.	lift tower pin 1" x 6 $\frac{1}{4}$ "	1	MMTP1006
17.	main frame pin 1 $\frac{1}{2}$ " x 16 $\frac{3}{4}$ "	1	MM3001
18.	filter restriction gauge	1	MM649
	element (filter assy. MM005)	1	MM145

Boom Mower
subframe & boom bracket assembly
Figure 2



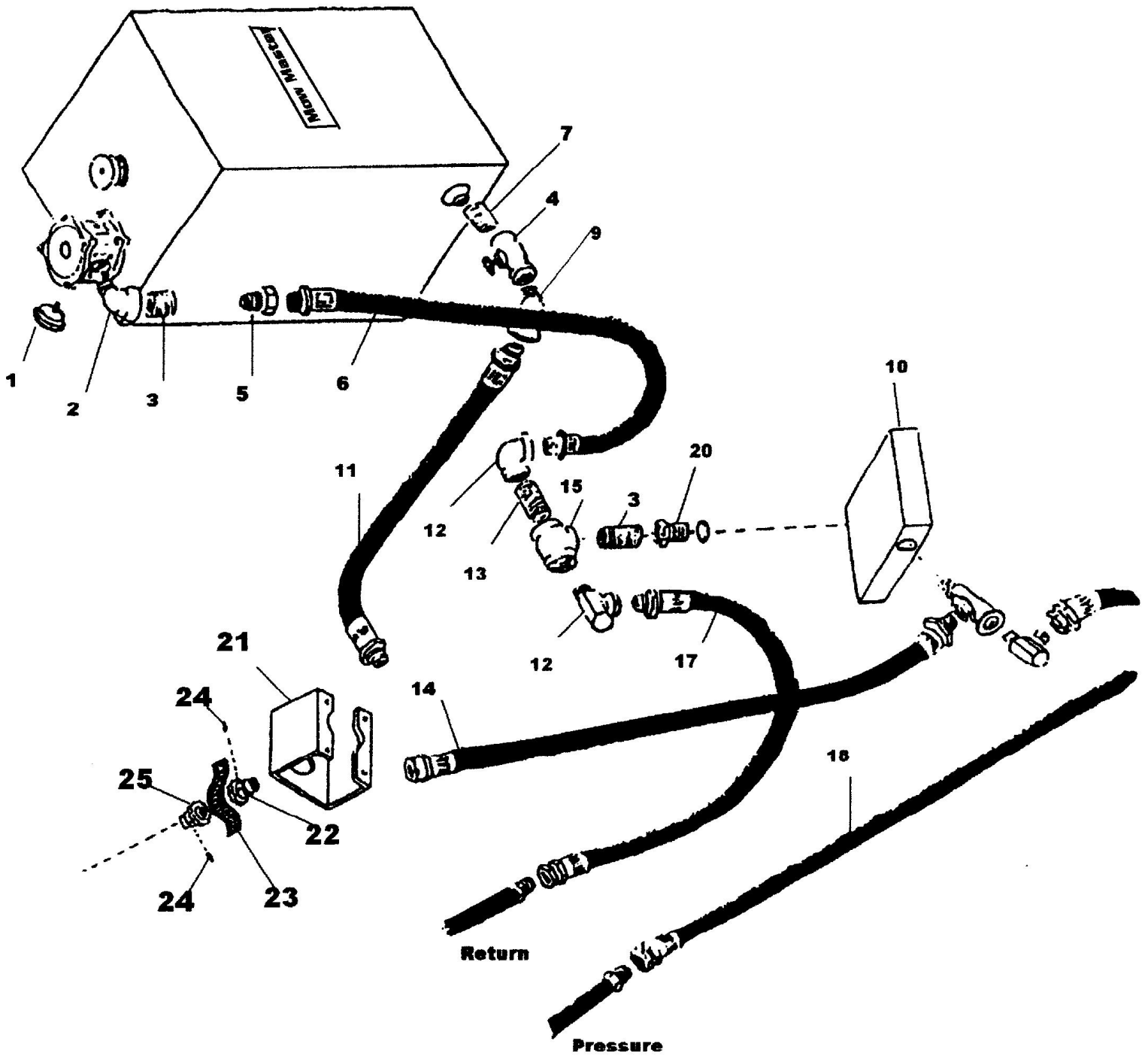
Boom Mower
Secondary Boom
Figure 4B



Boom Mowers
Main & Secondary boom parts list
Figure 4A -4B

REF NO	PARTS DESCRIPTION	REQUIRED	PART #
1.	main boom BG19	1	MM027
1A.	main boom BG 21	1	MM027A
1B.	main boom BG 23	1	MM027B
2.	zerk, ¼"	4	80024
4.	cylinder pin	1	MM030
5.	roll pin, ¼" x 2"	3	31620
6.	main boom cylinder, 4" x 24"	1	MM34024
7.	control tube clamp	3	MM032
8.	double tube clamp	5	MM033
9.	lock washer, 7/16"	8	716LW
10.	capscrew, 7/16" x 3"	6	4812
11.	clevis pin, 1" x 4"	1	MM050
13.	clevis pin, 1" x 3 ½"	3	MM038
14.	secondary boom cylinder 3 ½" x 20	1	MM33520
16.	bushing	7	SB-1
17.	capscrew, 7/16" x 2 ½"	2	
18.	capscrew, 3/8" x 3"	2	
19.	secondary boom swivel 1 ½" x 13"	1	MM042
21.	lock washer, 3/8"	8	
22.	hex nut, 3/8"	3	
23.	secondary boom BG	1	MM046
23A.	secondary boom BG	1	MM046A
23B.	secondary boom BG	1	MM046B
24.	secondary boom cyl pin 1 ¼" x 7 ¼"	2	MM047
26.	deck roll cylinder 3" x 18"	1	MM33018
27.	capscrew	2	4793
28.	roll arm pin, 1" x 4"	1	MM050
29.	accuator pin 1" x 10 ½"	1	MM051
30.	accuator link	1	MM052
31.	accuator deck roll assembly	1	MM053
32.	secondary link block (not shown)	1	MM55

Boom Mowers
Feed line assembly
Figure 5

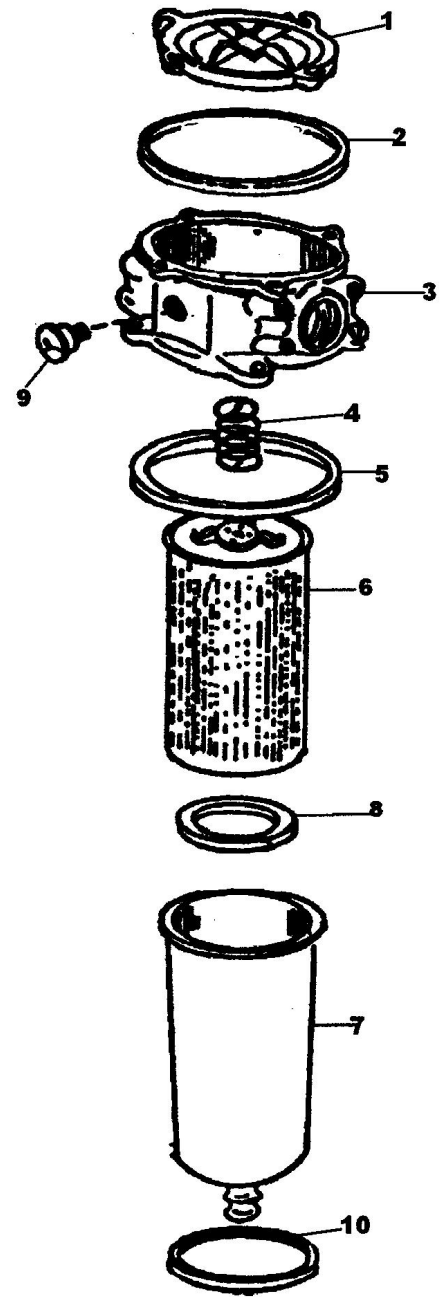


Boom Mowers
Feed line assembly
Figure 5

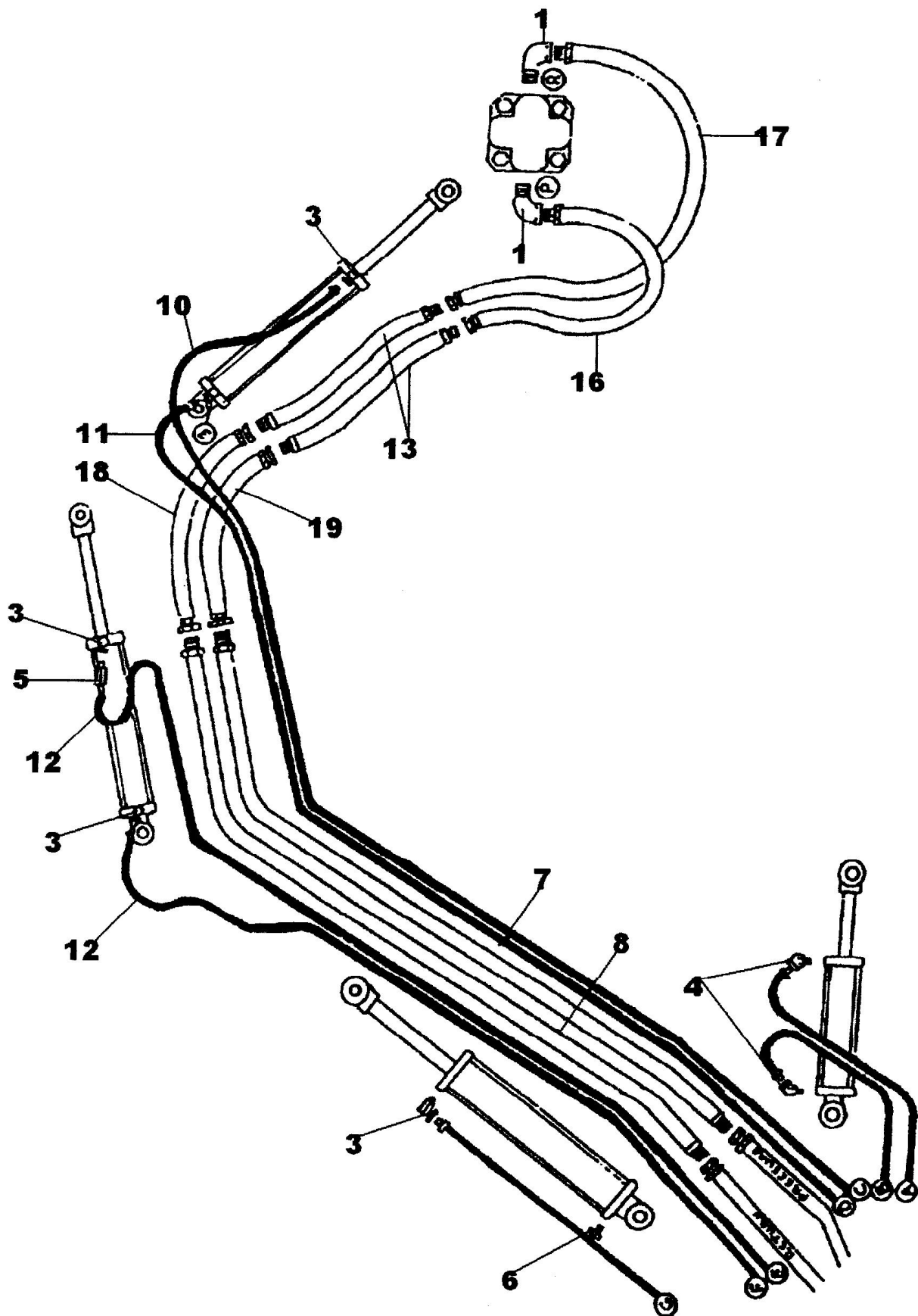
REF NO	PARTS DESCRIPTION	REQUIRED	PART #
1.	pressure gauge	1	MM649
2.	street el, 1 1/4" x 90° x HD	1	MM056
3.	close nipple 1 1/4" x HD	2	MM069
4.	1 1/4" gate valve	1	MM070
5.	swivel, 1 1/4" MP- 1 1/4" FP	1	MM071
6.	hose, 1 1/4" x 82"	1	MM24520
7.	1 1/2" close nipple XHD	1	MM073
9.	street el, 1 1/4" x 45°XHD	4	MM075
10.	valve, (complete)	1	MM076
11.	hose, 1 1/4" x 100"	1	MM24516
12.	street el, 1 1/4" x 90°	4	MM056
13.	1 1/4" x 4" nipple XHD	1	MM078
14.	hose, 1 1/4" x 68"	1	MM24516
15.	tee, 1 1/4" x XHD	2	MM080
16.	1 1/4" MP x 90° swivel	2	MM081
17.	1 1/4" hose, x 53"	1	MM24516
18.	1 1/4" hose, x 53"	1	MM24516
20.	Adapter, 1 1/4" MB-1 1/4" FP	1	MM084
21.	pump mounting bracket	1	MM085
22.	PTO adapter coupling (21spline)	1	MM086
23.	chain coupling	1	MM057
24.	grease zerk, 1/4" straight	2	80024
25.	pump adaptor coupling	1	MM089
45.	pump seal kit	1	MM208SK
46.	site gauge	1	MM055S

Boom Mowers
Motor feedline in-tank filter
MM005

REF NO	PARTS DESCRIPTION	REQUIRED	PART #
1.	cover	1	MM140
2.	seal	1	MM141
3.	filter body	1	MM142
4.	element spring	1	MM143
5.	seal-body to tank	1	MM144
6.	25 micron element	1	MM145
7.	filter bowl	1	MM146
8.	seal-element to bowl	1	MM152
9.	gauge	1	MM649
10.	seal-bowl to body	1	MM005A
11.	seal kit	1	MM16-5040



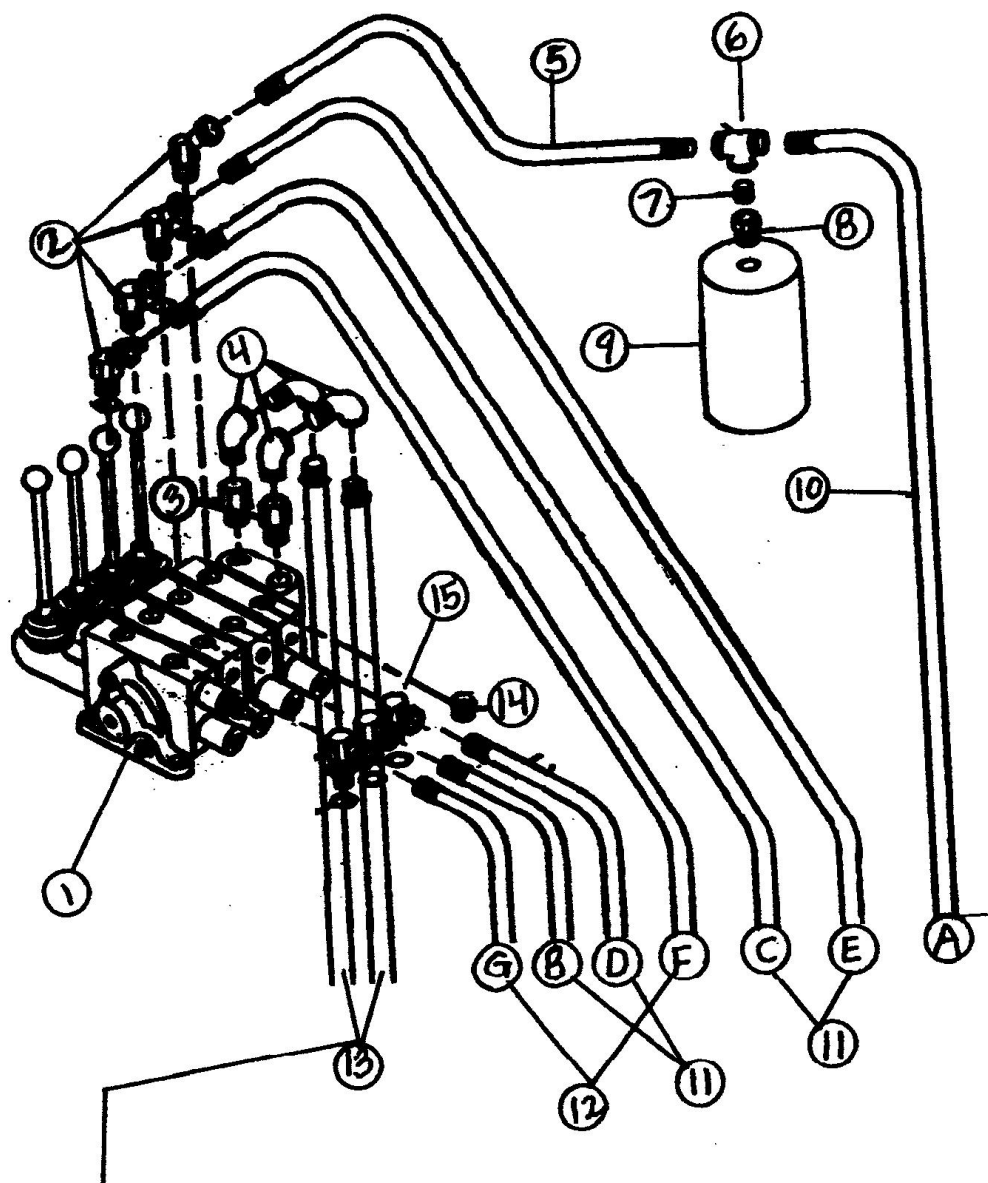
Boom Mower 19F
Hydraulic lines assembly
Figure 6



Boom Mowers
Boom arm hydraulic lines assembly
Figure 6

REF NO	PARTS DESCRIPTION	REQUIRED	PART #
1.	street el, 1 ¼" x 90°	2	MM056
3.	adj. o ring MXFP swivel x 90°	5	MM108
4.	adj. O ring, MXFP swivel x 45°	2	MM109
5.	adjustable restrictor	1	MM110
6.	cylinder breather ½" o ring	1	MMBHF12
7.	preformed tube, 1 ½" x 86" *	1	KT100
8.	preformed tube, 1 ½" x 88" *	1	KT100
10.	hose, ¼" x 68"	1	MM24504
11.	hose, ¼" x 48"	1	MM24504
12.	hose, ¼" x 20"	2	MM24504
13.	preformed tube *	2	KT100
16.	hose, pressure 1 ¼" x 56"	1	MM24516
17.	hose, return, 1 ¼" x 63"	1	MM24516
18.	hose, return, 1 ¼" x 40"	1	MM24516
19.	hose, pressure, 1 ¼" x 39"	1	MM24516
	*tube kit for 19 ft. boom		KT100
	*tube kit for 21 ft and 23 ft boom		KT116

Boom Mower
Control feedline assembly
Figure 7



* To existing tractor hydraulics

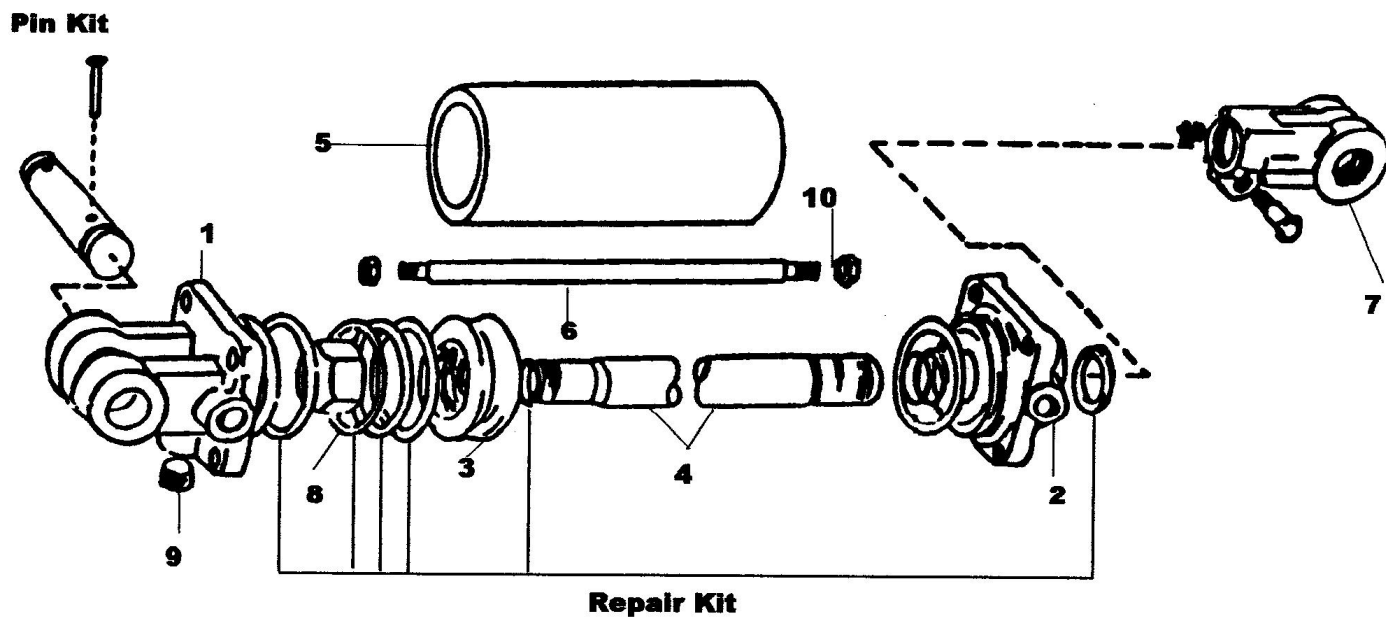
Hose Routing to Boom and Swivel Cylinders

- A To main boom cylinder gland
- B To secondary cylinder butt
- C To deck cylinder butt
- D To secondary boom cylinder gland
- E To secondary cylinder butt
- F To swivel cylinder butt
- G To swivel cylinder gland

Boom Mowers
Control feed line assembly
Figure 7

REF NO	PARTS DESCRIPTION	REQUIRED	PART #
1.	four spool valve	1	MM125
2.	45 ° adapter, 3/8" O ring, 3/8" FP	4	6902-6-6
3.	adapter, 3/8" O ring, 3/8" FP bushings	2	
4.	street el, 1/2" x 90 °	4	MM128
5.	hose, 1/4" x 48"	1	MM24504
6.	3/8" tee	1	MM130
7.	3/8" close nipple	1	MM131
8.	O ring adapter	1	6401-8-6
9.	accumulator	1	ACC-1
10.	hose, 1/4" x 55"	1	MM24504
11.	hose, 1/4" x 72"	4	MM24504
12.	hose, 1/4" x 72"	2	MM24504
13.	hose, 3/8" x 120"	2	MM20106
14.	adapter, 1/2" o ring, 3/8" FP, 90 ° el	3	6902-8-8
15.	plug, o ring, 1/2"	1	MM139

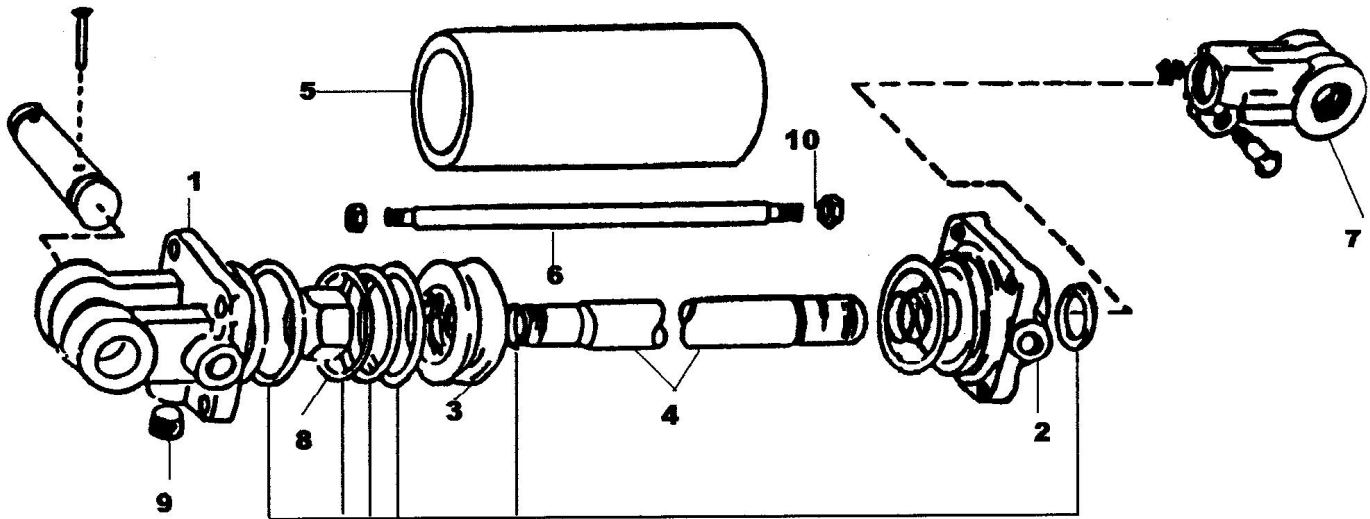
Boom Mowers
Deck cylinder, 3 x 18
MM33018



REF NO	PART DESCRIPTION	REQUIRED	PART #
1.	cylinder butt	1	MM33018-1
2.	rod gland	1	MM33018-2
3.	piston	1	MM33018-3
4.	rod	1	MM33018-4
5.	tube	1	MM33018-5
6.	tie rods	4	MM33018-6
7.	rod clevis	1	MM33018-7
8.	nut/piston	1	MM33018-8
9.	plug	1	MM33018-9
10.	tie rod nuts	4	MM33018-10
11.	seal kit		MM33000

Boom Mowers
Main boom cylinder, 4 x 24
MM34024

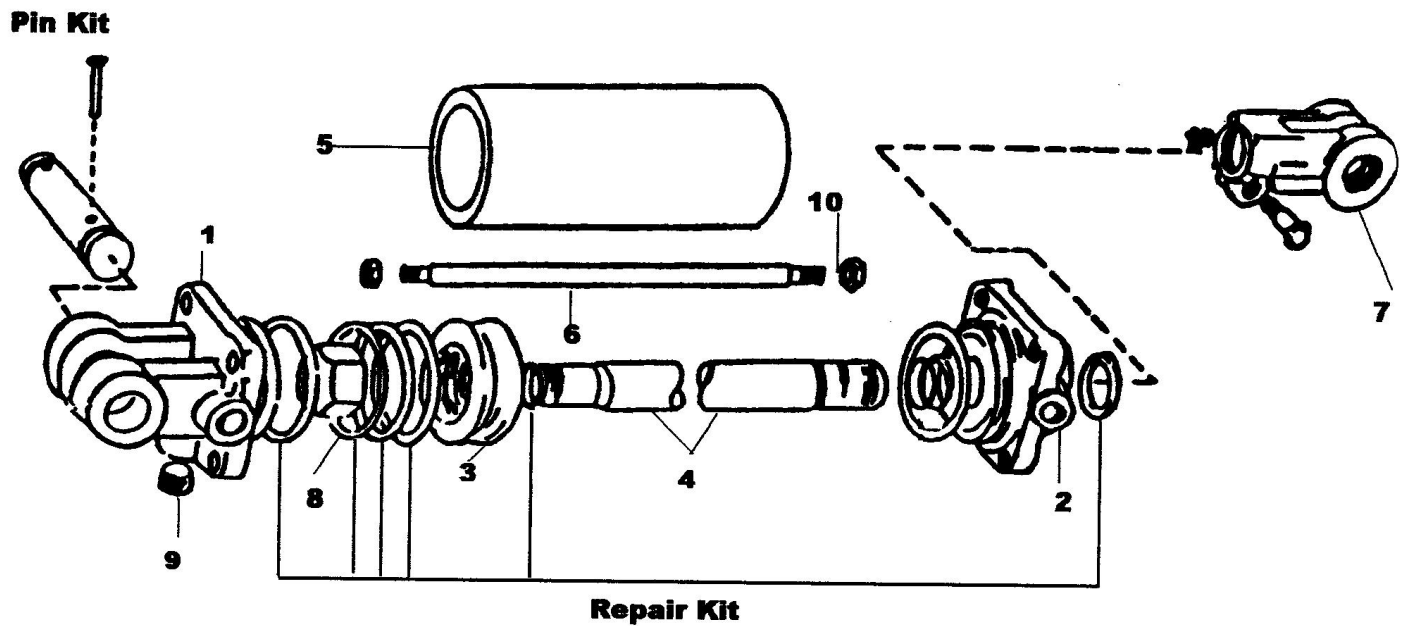
Pin Kit



Repair Kit

REF NO	PART DESCRIPTION	REQUIRED	PART #
1.	cylinder butt	1	MM34024-1
2.	rod gland	1	MM34024-2
3.	piston	1	MM34024-3
4.	rod	1	MM34024-4
5.	tube	1	MM34024-5
6.	tie rods	4	MM34024-6
7.	rod clevis	1	MM34024-7
8.	nut/piston	1	MM34024-8
9.	plug	1	MM34024-9
10.	tie rod nuts	4	MM34024-10
11.	seal kit		MM34000

Boom Mowers
 Secondary cylinder, 3 ½ x 20
 MM33520



REF NO	PART DESCRIPTION	REQUIRED	PART #
1.	cylinder butt	1	MM33520-1
2.	rod gland	1	MM33520-2
3.	piston	1	MM33520-3
4.	rod	1	MM33520-4
5.	tube	1	MM33520-5
6.	tie rods	4	MM33520-6
7.	rod clevis	1	MM33520-7
8.	nut/piston	1	MM33520-8
9.	plug	1	MM33520-9
10.	tie rod nuts	4	MM33520-10
11.	seal kit		MM33500

Page 1- Short Boom

REF NO	PART DESCRIPTION	REQUIRED	PART #
1.	Main boom	1	MM101-SB
2.	bushing 1 ½"ID	4	MM102
3.	pin ¼"	8	MM103
4.	cylinder, 4" x 10"	1	MM34010
5.	cylinder pin 1" x 4"	4	MM050
6.	Washer 1" ID	6	MM4800
7.	cylinder, 3" x 18"	1	MM33018
8.	bolt, 2 ¼" x 5/16	1	
9.	collar, 1 ½" ID	1	MM109
10.	arm pivot	1	MM110
11.	bushing	5	SB-1
12.	zerks, ¼" x 28	5	

Page 2-Short Boom

1.	Secondary boom	1	MM112
2.	bolt, 7/16" x 3"	2	71614x3HH
3.	double tube clamp	2	MM033
4.	bolt, 5/16" x 2 ¾"	4	
5.	pin, 1 ½" x 12 ½"	1	MM115
6.	bushing	6	SB-1
7.	cylinder, 4" x 24"	1	MM34024
8.	zerks, ¼" x 28	6	
9.	pin 1" cylinder	2	MM47
10.	washer 1" ID	4	MM4800
11.	cylinder pin, 2" x ¼"	4	31620
12.	links	2	MM122
13.	pin, 1" x 3 ¼"	2	MM123

