



Concrete Vibrator

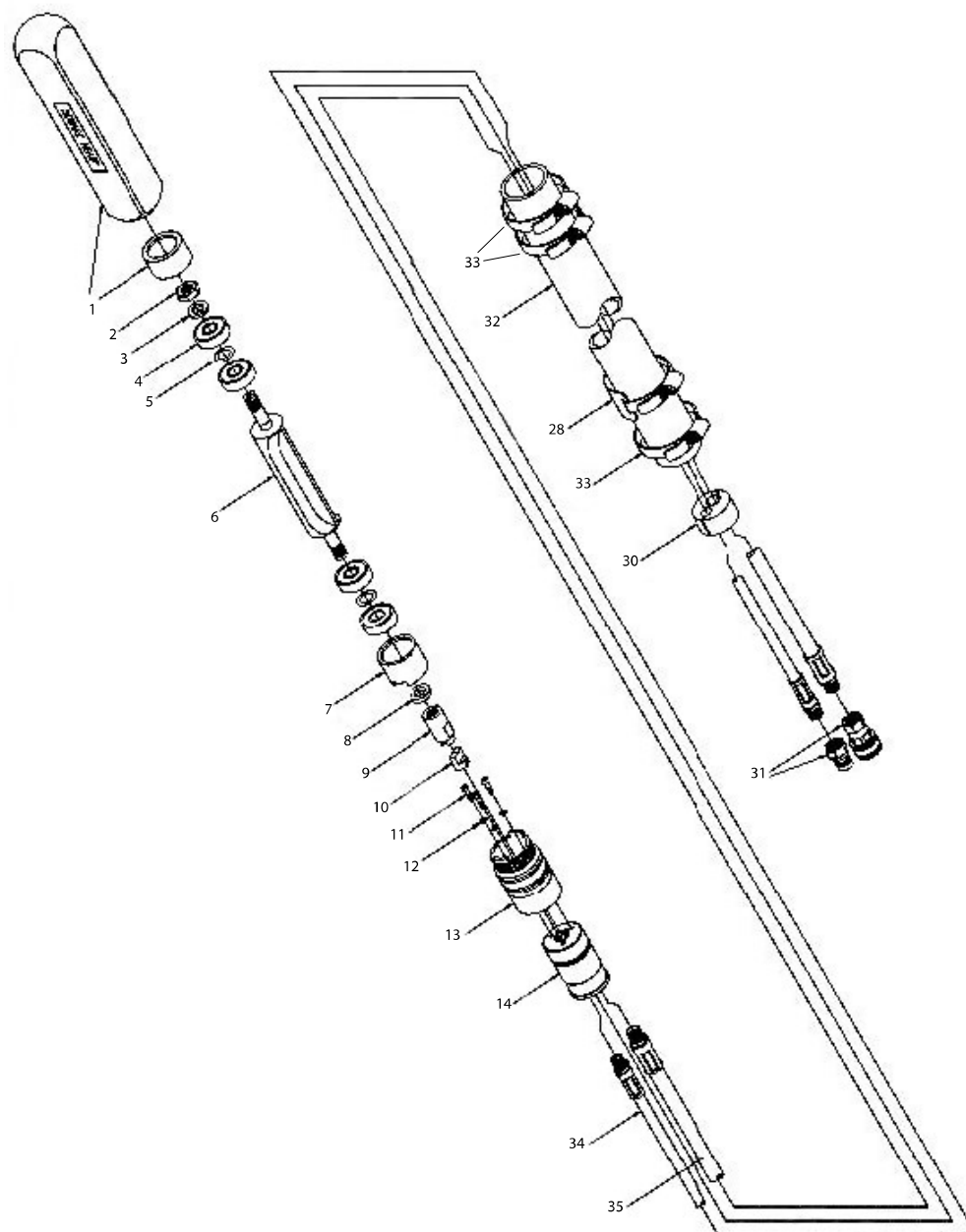
Hydraulic Paving



VIBRATOR DRAWINGS

Straight Hydraulic Vibrator Assembly (949-100 exploded view)

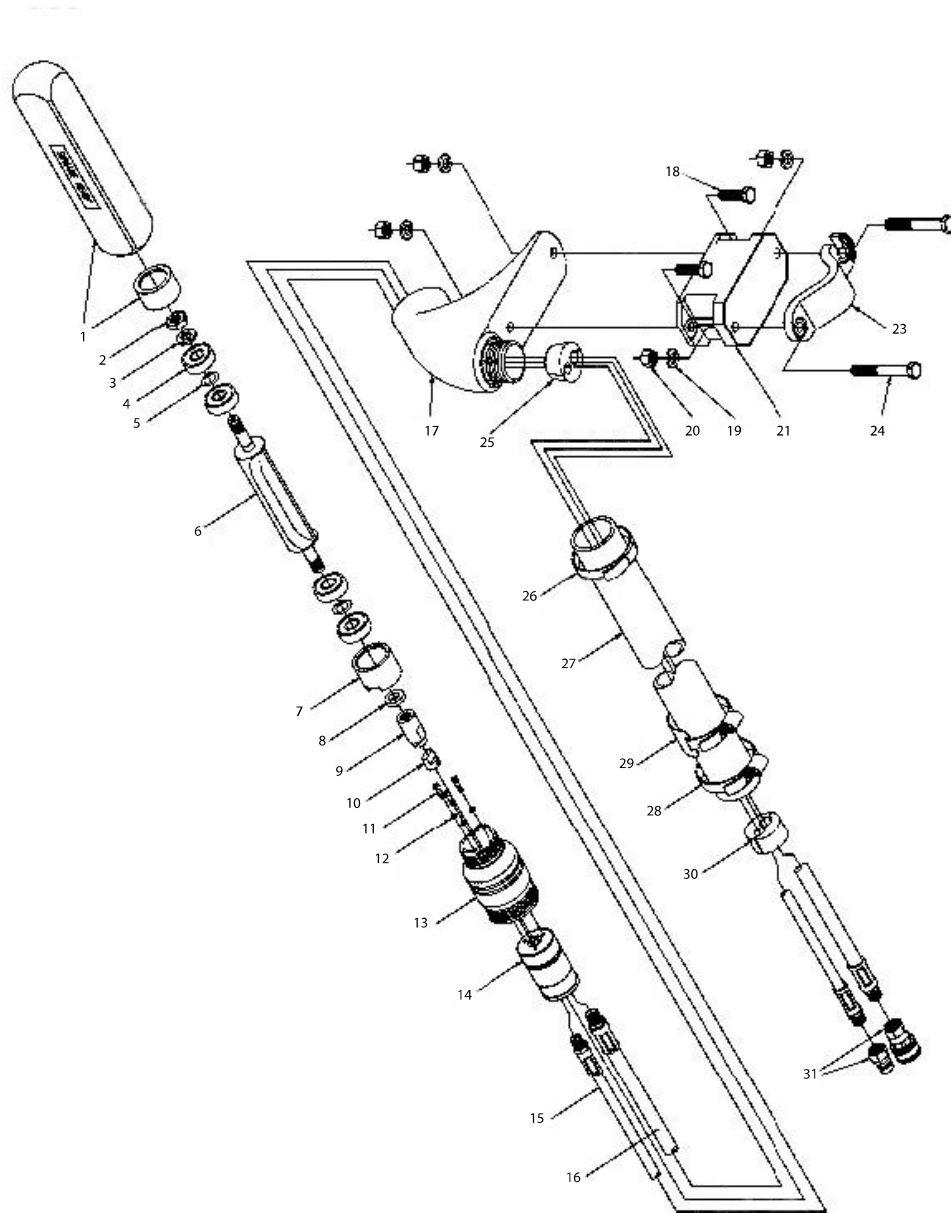
NOTE: See [Hydraulic Vibrator Assembly Part Numbers on page 13](#) for item descriptions



*Male and female quick disconnects may be on either the pressure or return line. Always check that the smaller diameter hose is the pressure line.

Angle Hydraulic Vibrator Assembly (949-170 exploded view)

NOTE: See [Hydraulic Vibrator Assembly Part Numbers on page 13](#) for item descriptions.



*Male and female quick disconnects may be on either the pressure or return line. Always check that the smaller diameter hose is the pressure line.

Hydraulic Vibrator Assembly Part Numbers

Item	Qty	U/M	Description	Part Number	
				Straight 949-100	Angle 949-170
1	1	ea	SQUARE head housing with lower bearing cup	589-400 ^{2,3}	589-400 ^{2,3}
2	1	ea	Hex nut	432707 ³	432707 ³
3	1	ea	Washer	887011 ³	887011 ³
4	4	ea	Bearing	419661 ^{1,2,3}	419661 ^{1,2,3}
5	2	ea	Shim	419697 ^{1,2,3}	419697 ^{1,2,3}
6	1	ea	Rotor	719660	719660
7	1	ea	Upper bearing cup, slotted	419668	419668
8	1	ea	Spacer	419666	419666
9	1	ea	Driver sleeve	419659	419659
10	1	ea	Driver	419656	419656
11	3	ea	Socket head cap screw, 10-32 × 7/8 in. (22.23 mm) long	419660	419660
12	3	ea	Lockwasher, 10 split ring	415362	415362
13	1	ea	Hydraulic motor housing	589404	589403
14	1	ea	Hydraulic motor	418-000	418-000
15	1	ea	Hydraulic hose assembly, 1/4 hose with 1/4 NPT male threads, 8 ft	—	212508 ³
16	1	ea	Hydraulic hose assembly, 3/8 hose with 3/8 NPT male threads, 8 ft	—	213708 ³
17	1	ea	Angle mounting bracket	—	419771
18	2	ea	Hex head bolt	—	439712
19	4	ea	Lockwasher, 1/2 in. (12.7 mm) split ring	—	439704
20	4	ea	Hex Nut, 1/2-13	—	439703
21	1	ea	Isolator	—	419720
23	1	ea	Clamp	—	419729 ^{1,2,3}
24	2	ea	Hex head bolt, 1/2-13 × 3-1/2 in. (88.90 mm) long	—	439708
25	1	ea	Rubber plug, tapered	—	419684
26	1	ea	Punch lock clamp	—	259601 ^{1,2,3}
27	4	ft	Protective hose	—	219500 ^{1,2,3}
28	1	ea	Hose Clamp	259611	259611
29	1	ea	Nameplate	669600	669600
30	1	ea	Rubber plug, straight	419685	419685
31	1	ea	Quick disconnect set	419692 ³	419692 ³
32	6	ft	Protective hose	219500 ^{1,2,3}	—
33	3	ea	Hose clamp	259611 ^{1,2,3}	259611 ^{1,2,3}
34	1	ea	Hydraulic hose assembly, 1/4 hose with 1/4 NPT male threads, 9 ft	212509 ³	—
35	1	ea	Hydraulic hose assembly, 3/8 hose with 3/8 NPT male threads, 9 ft	213709 ³	—

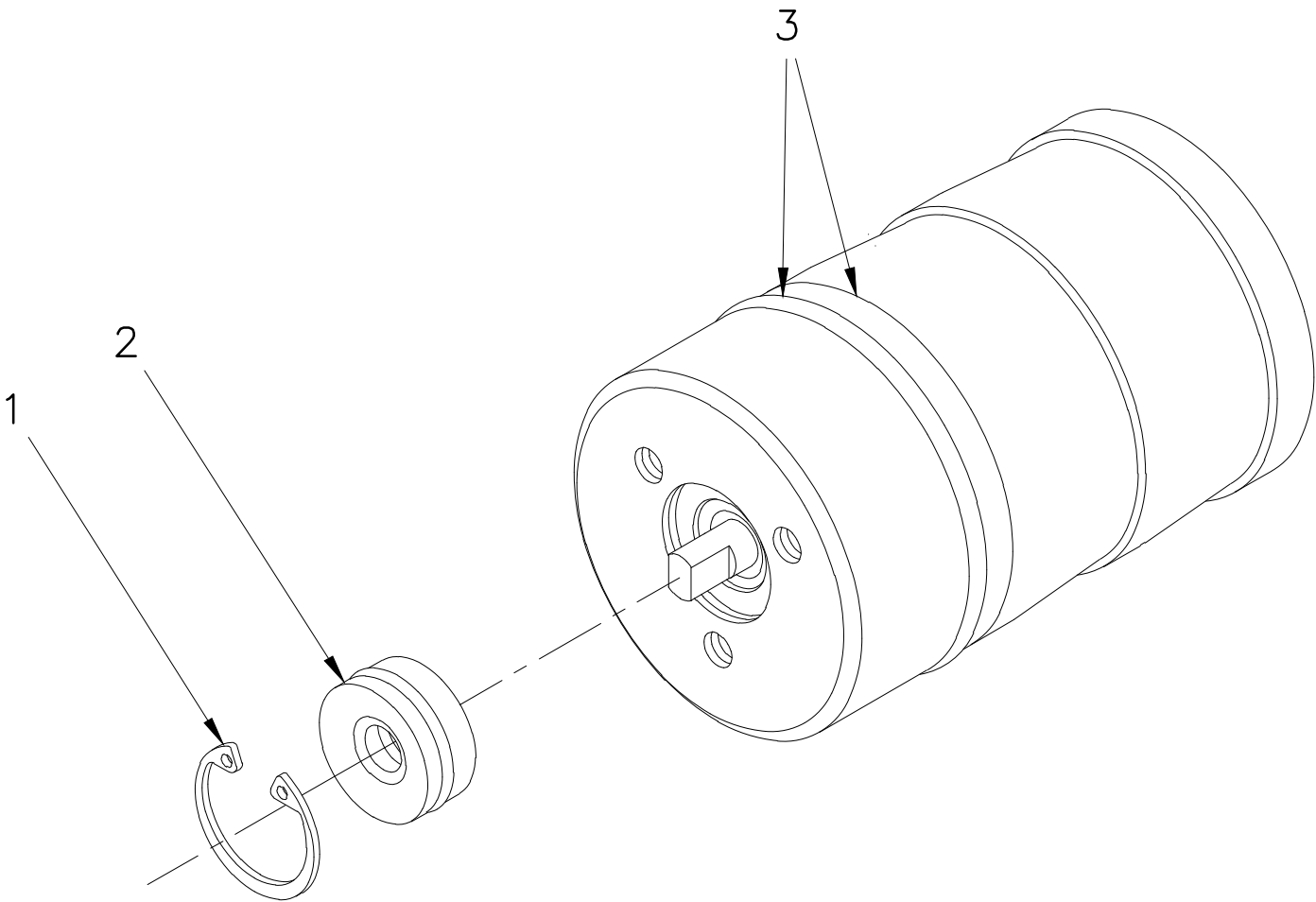
Recommended Maintenance Parts:

¹Tier one

²Tier two

³Tier three

Hydraulic Motor Seal Replacement Kit (419-747)



Item	Part Number	Qty	Description
1	419743 ^{1,2,3}	1	Ring, retaining, hydraulic motor
2	419744 ^{1,2,3}	1	Assembly, seal holder, hydraulic motor
3	419749 ^{1,2,3}	2	O-ring, gasket, hydraulic motor

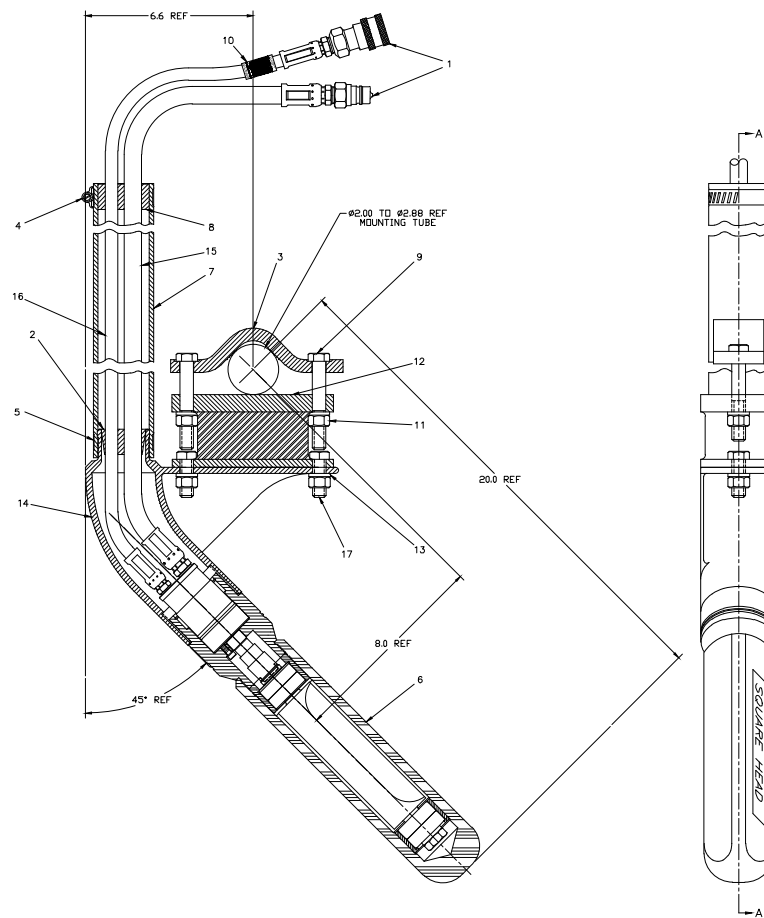
Recommended Maintenance Parts:

¹Tier one

²Tier two

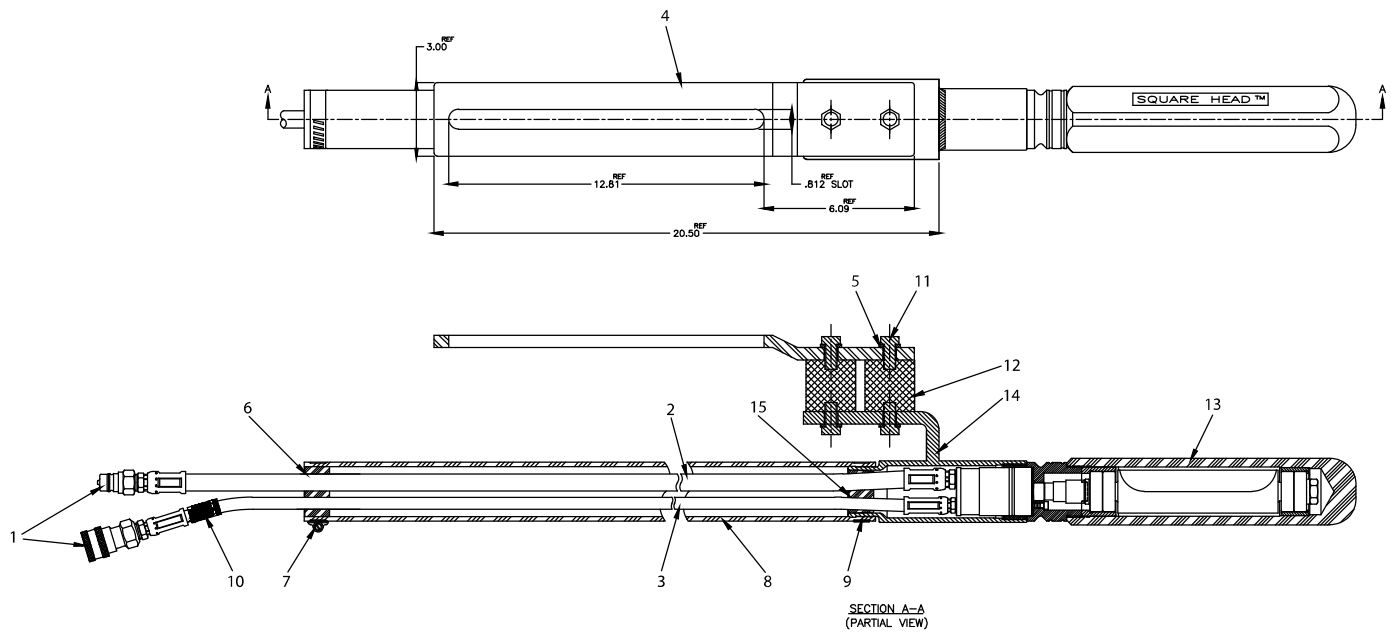
³Tier three

Assembly, Hydraulic, Angled, Square, Compact, 96 in. Hose (949-170)



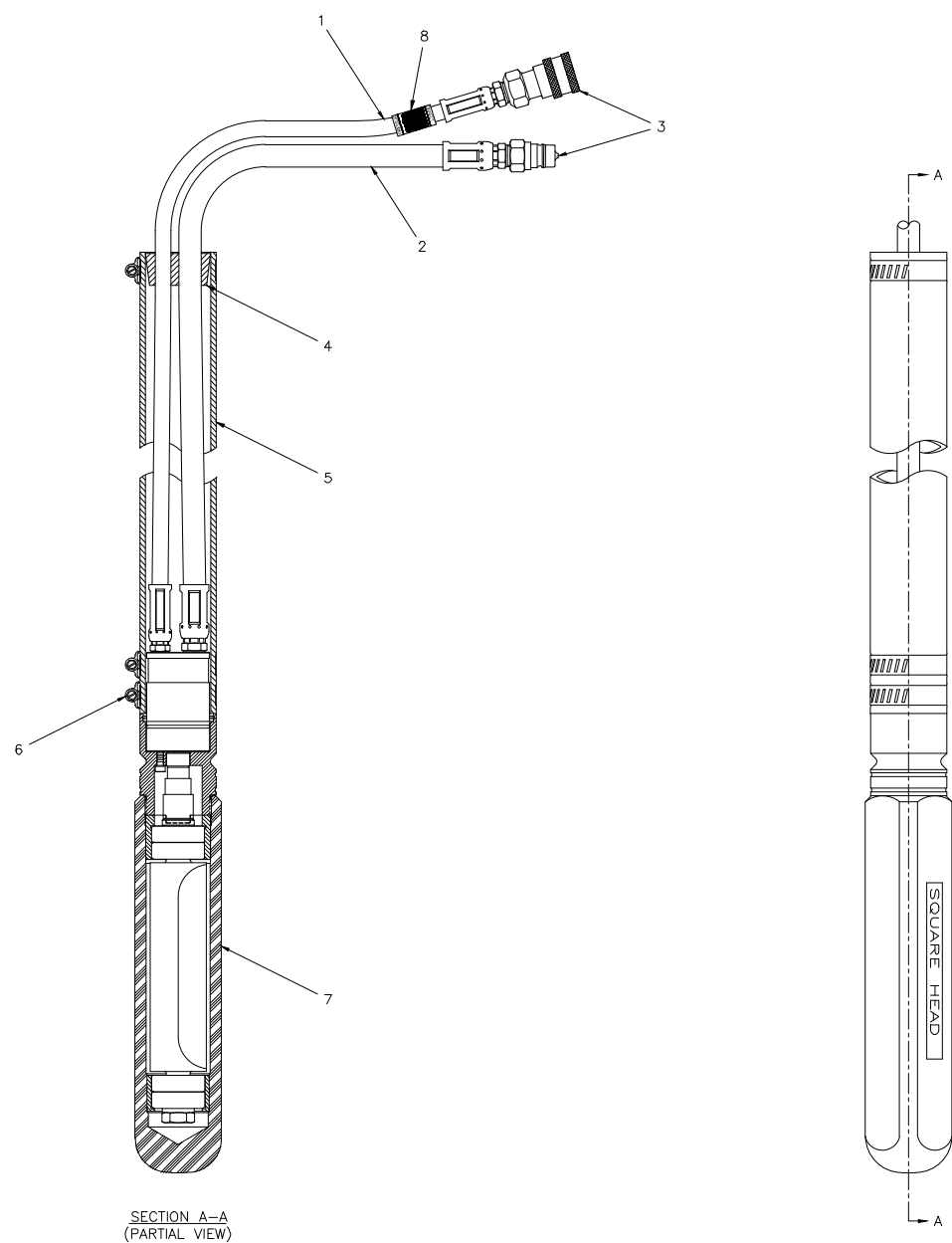
Item	Part No.	Qty	Description
1	419692	1	Quick disconnect
2	419684	1	Plug, tapered, rubber, #10
3	419729	1	Casting, claw clamp
4	259611	1	Clamp, hose, #36
5	259601	1	Clamp, center punch, 2-3/4 in. (69.85 mm), steel
6	949668	1	Assembly, square head, 2-1/4 in., ang, #2500
7	219500	4 ft	Hose, bulk, protective
8	419685	1	Plug, straight, neoprene
9	439708	2	Bolt, hex head, 1/2-13 × 3-1/2 in. (88.90 mm), GR 5
10	660751	1	Label, hydraulic, model number/pressure
11	439703	4	Nut, hex, 1/2-13
12	419720	1	Isolator, single, compact vib
13	439704	4	Washer, lock, 1/2 in. (12.7 mm)
14	419771	1	Angle bracket, compact, machined
15	213708	1	Assembly, hose, 3/8 in. (9.53 mm), 96 in./ 8 ft length
16	212508	1	Assembly, hose, 1/4 in. (6.35 mm), 96 in./ 8 ft length
17	439712	2	Bolt, hex head, 1/2-13 × 1-1/2 in. (38.10 mm), GR 8

Assembly, Hydraulic, Straight or Bent, Square, #2500 (950-130)



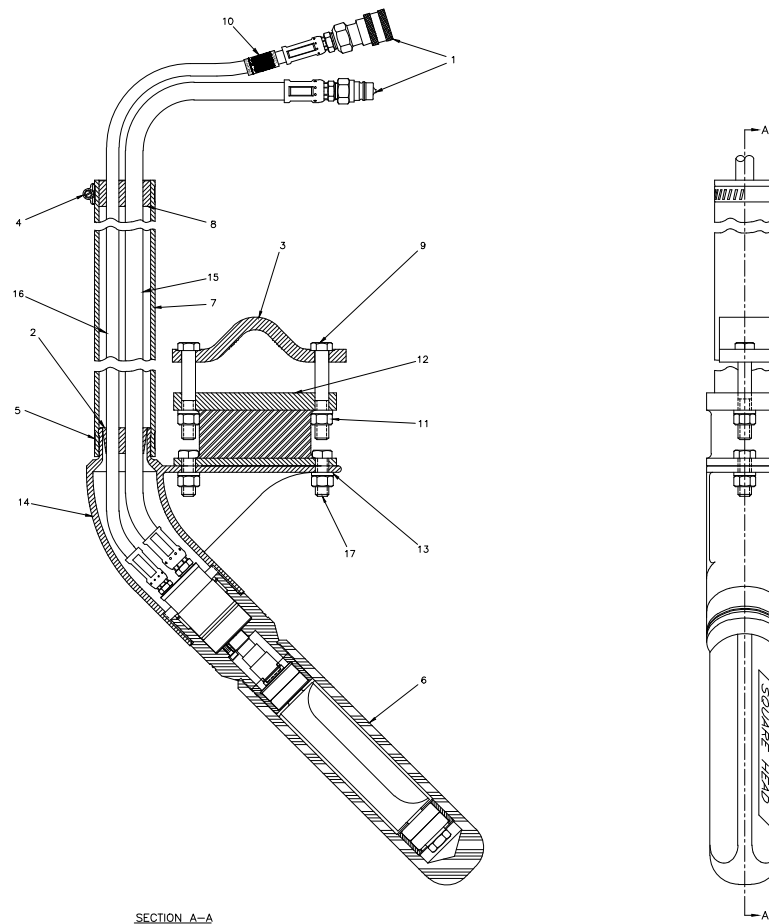
Item	Part No.	Qty	Description
1	419692	1	Quick disconnect
2	419642	1	Assembly, hose, return, 186 in./15.5 ft long
3	419644	1	Assembly, hose, pressure, 186 in./15.5 ft long
4	419962	1	Bar, mounting, 2 hose, slotted offset
5	439704	4	Washer, lock, 1/2 in. (12.70 mm)
6	419685	1	Plug, straight, neoprene
7	259611	1	Clamp, hose, #36
8	219500	96 in./ 8ft	Hose, bulk, protective
9	259601	1	Clamp, center punch, 2-3/4 in. (69.85 mm), steel
10	660751	1	Label, hydraulic, model number/pressure
11	439711	4	Bolt, hex head, 1/2-13 × 1 in. (25.40 mm), grade 8
12	419726	2	Isolator, J3424-5
13	949808	1	Assembly, square head, 2-1/4 in., str, thd, #2500
14	419960	1	Tube, Straight, 2 hole, bent mount
15	419684	1	Plug, tapered, rubber, #10

Assembly, Hydraulic, Straight, Square, #2500, 9 ft Hydraulic (949-100)



Item	Part No.	Qty	Description
1	212509	1	Assembly, hose, pressure, 108 in. long
2	213709	1	Assembly, hose, return, 108 in. long
3	419692	1	Quick disconnect
4	419685	1	Plug, straight, neoprene
5	219500	6 ft	Hose, bulk, protective
6	259611	3	Clamp, hose, #36
7	949708	1	Assembly, head, 2-1/4 sq, str, #2500
8	660751	1	Label, hydraulic, model number/pressure

Assembly, Hydraulic, Angled, #GT11-123-A, 138 in./11.5 ft Hose (949-190)



SECTION A-A

Item	Part No.	Qty	Description
1	419692	1	Quick disconnect
2	419684	1	Plug, tapered, rubber, #10
3	419729	1	Casting, claw clamp
4	259611	1	Clamp, hose, #36
5	259601	1	Clamp, center punch, 2-3/4 in. (69.85 mm), steel
6	949668	1	Assembly, square head, 2-1/4 in., ang, #2500
7	219500	4 ft	Hose, bulk, protective
8	419685	1	Plug, straight, neoprene
9	439708	2	Bolt, hex head, 1/2-13 × 3-1/2 in. (88.90 mm), GR 5
10	660751	1	Label, hydraulic, model number/pressure
11	439703	4	Nut, hex, 1/2-13
12	419720	1	Isolator, single, compact vib
13	439704	4	Washer, lock, 1/2 in. (12.7 mm)
14	419771	1	Angle bracket, compact, machined
15	419647	1	Assembly, hose, return, 138 in./ 11.5 ft length
16	419649	1	Assembly, hose, pressure, 138 in./ 11.5 ft length
17	439712	2	Bolt, hex head, 1/2-13 × 1-1/2 in. (38.10 mm), GR 8