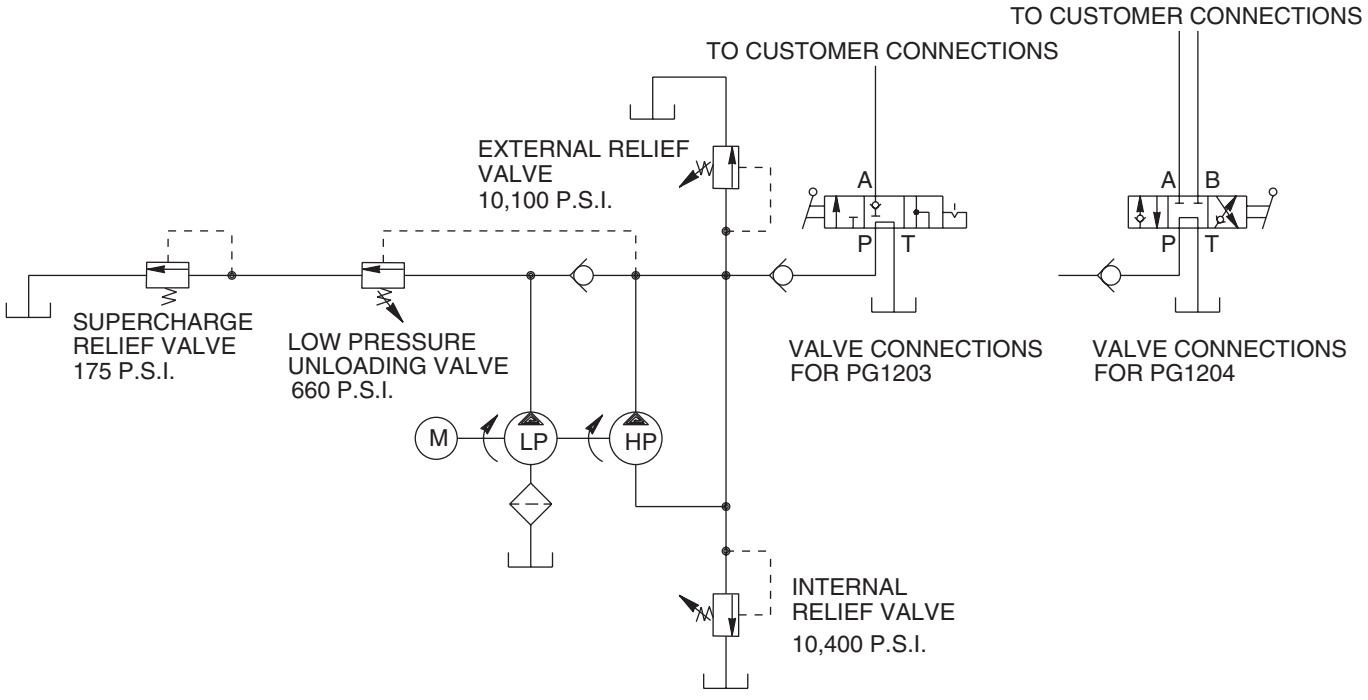
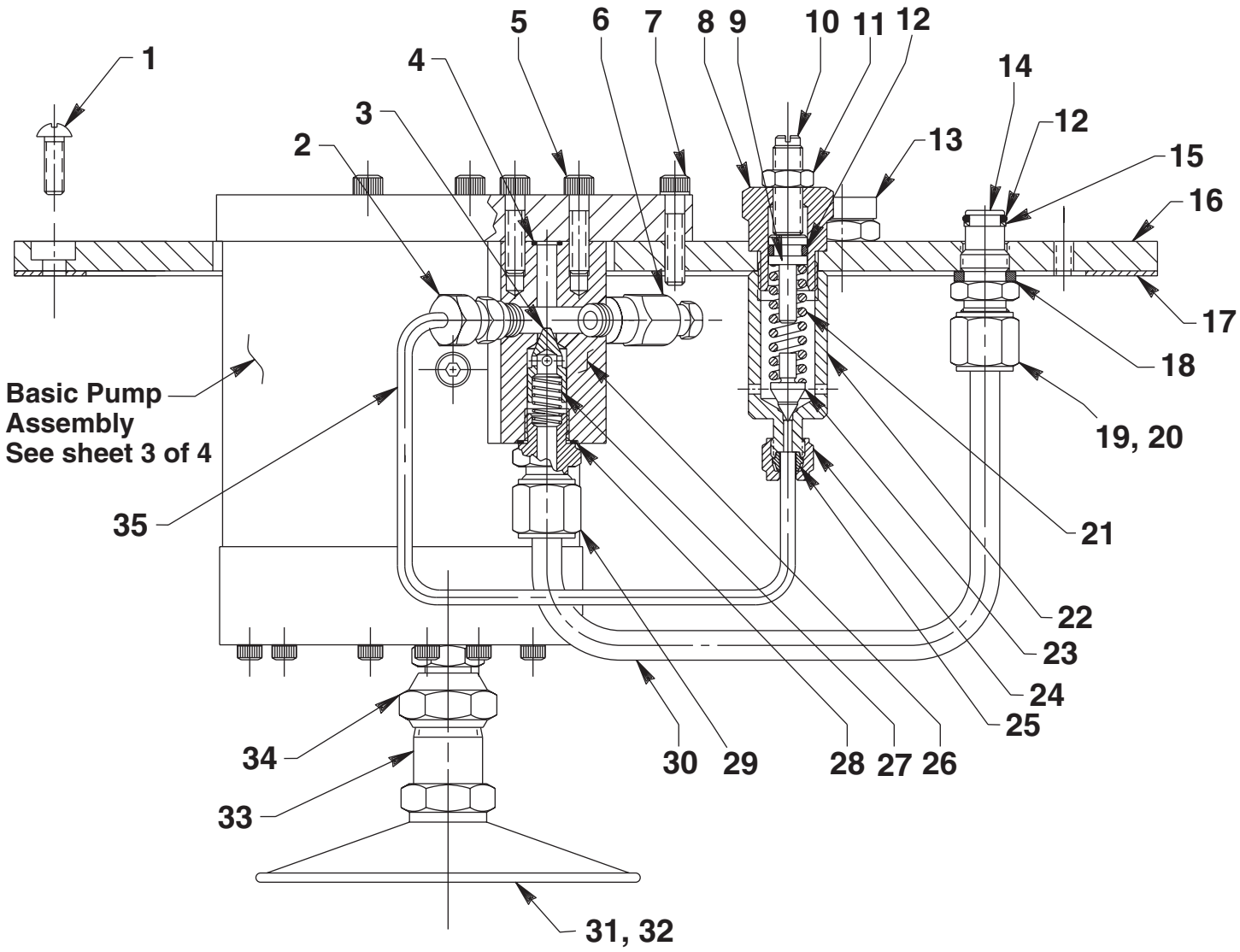
Item No.	Part No.	No. Req'd	Description
1	**9520**	1	Valve Assembly (3 pos./3-way; For PG1203; See Form No.'s 101377 & 102527)
	9506	1	Valve Assembly (3 pos./4-way; For PG1204; See Form No.'s 100628 & 102527)
2	**11127**	1	Pipe Plug (For PG1203)
	11127	2	Pipe Plug (For PG1204)
3	**40137OR9**	1	Reservoir (5 gal.)
4	**309221**	2	Trade Name Decal
5	**10439**	1	Radial Ball Bearing
6	**15124**	1	O-ring (1-3/8 x 1-1/4 x 1/16)
7	**40987**	1	Gasket
8	**50384WH2**	1	Motor Base
9	**10945**	1	Woodruff Key (No. 6)
10	**420052**	1	Shaft Extension
11	**251566**	1	Cap Screw (5/16-24 UNF x 2" Lg.)
12	**10556**	1	Hex. Soc. Hd. Set Screw (1/4-20 UNC x 1/4 Lg.)
13	**420200**	1	Gas Engine Mounting Plate
14	**250427**	4	Soc. Hd. Cap Screw (5/16-18 UNC x 5" Lg.)
15	**10948**	2	Soc. Hd. Cap Screw (5/16-18 UNC x 1-1/4 Lg.)
16	**10257**	2	Flat Washer (5/16 I.D.)
17	**17596**	1	Slide Control
18	**RC5**	1	Roll Cage Frame (See Form No. 102641)
19	**420202**	1	Gasoline Engine (Honda 5.5 H.P.)

Note: Removed "NOTE" at last revision(s) made to this form.

HYDRAULIC SCHEMATIC



GENERAL PUMP ASSEMBLY

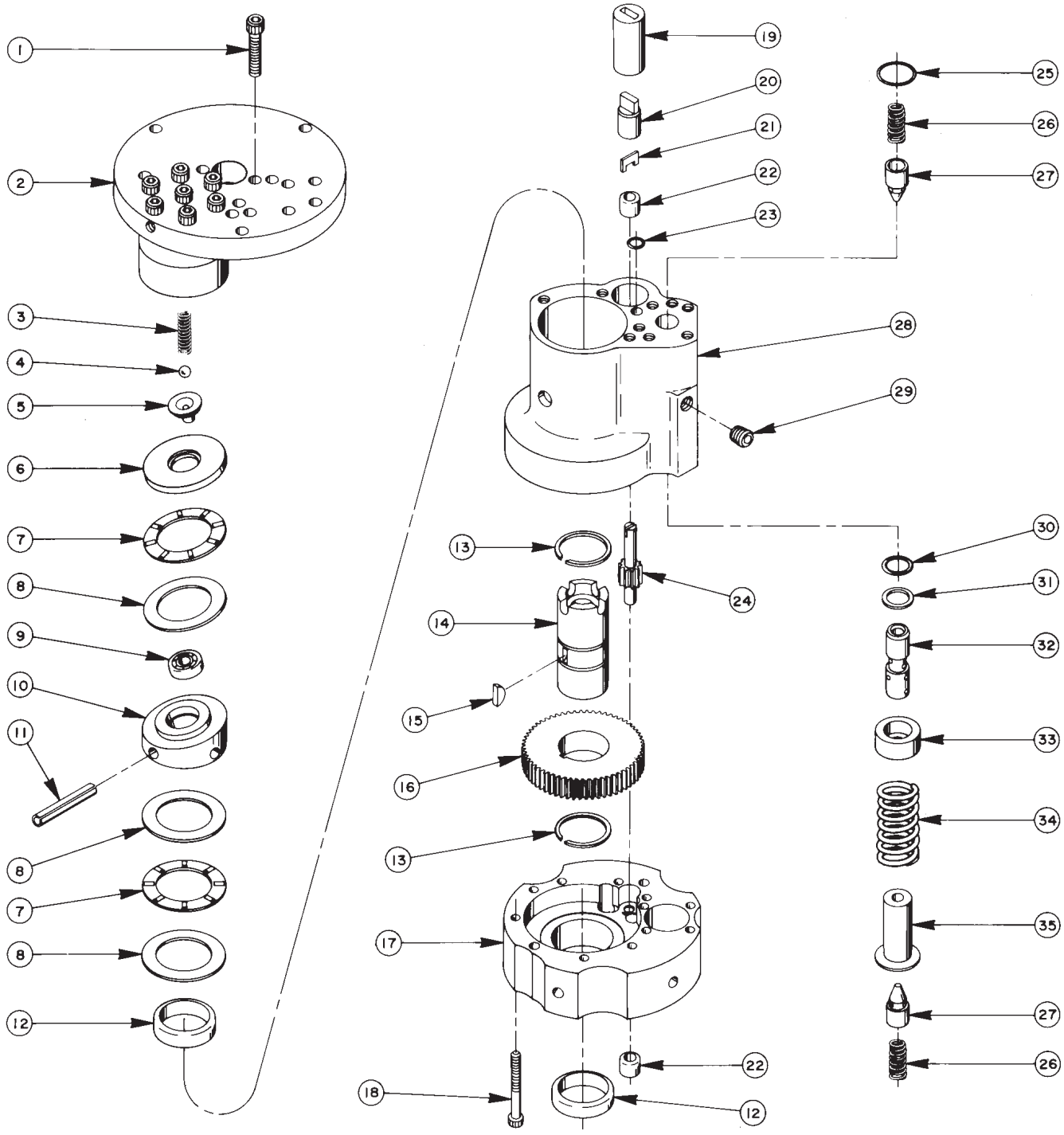


Item No.	Part No.	No. Req'd	Description
1	**10177**	10	Machine Screw (1/4-20 UNC x 3/4 Lg.)
2	**11173**	1	Fitting
3	**20771**	1	Poppet
4	**10266**	1	O-ring (3/8 x 1/4 x 1/16)
5	**10015**	2	Soc. Hd. Cap Screw (1/4-28 UNF x 1" Lg.)
6	**21278**	1	Relief Valve (Set at 10,100/10,700 PSI)
7	**10016**	3	Cap Screw (1/4-20 UNC X 1" Lg.)
8	**21305**	1	Valve Cap
9	**21306**	1	Spring Guide
10	**22362**	1	Valve Adjusting Screw (Set at 10,000/10,200 PSI)
11	**10386**	1	Hex Nut (3/8-24 UNF)
12	**10268**	2	O-ring
14	**20787**	1	Valve Connector
15	**11863**	1	Backup Washer (11/16 x 1/2 x .048)
16	**50058WH2**	1	Cover Plate
17	**58506**	1	Reservoir Gasket
18	**21484**	1	Washer
19	**10430**	2	Tube Sleeve
20	**10431**	2	Tube Nut
21	**10495**	1	Compression Spring (.450 x 1-5/8 Lg.)
22	**22361**	1	External Pressure Valve Body
23	**21046**	1	Valve Stem
24	**11342**	1	Tube Nut
25	**11174**	1	Tube Sleeve
26	**20776**	1	Outlet Check Body
27	**10425**	1	Compression Spring (3/8 O.D. x 3/4 Lg.)
28	**10261**	1	Copper Washer
29	**20770**	1	Valve Connector
30	**21495**	1	Oil LIne Tube
31	**21345**	1	Filter Assembly (Includes o-ring, Item #32)
32	**10266**	1	O-ring (3/8 X 1/4 X 1/16)
33	**22033**	1	Suction Line
34	**10528**	1	Straight Fitting
35	**22399**	1	External Pressure Regulator Tube

PARTS INCLUDED BUT NOT SHOWN

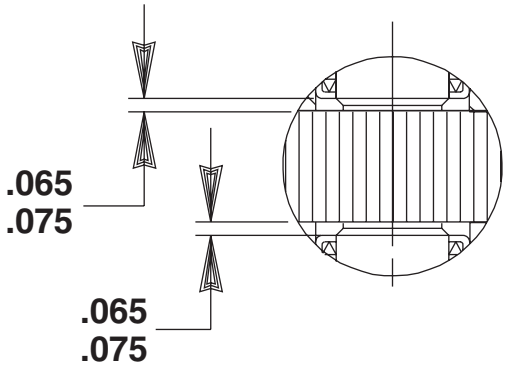
200609	1	Drain Tube

BASIC PUMP ASSEMBLY



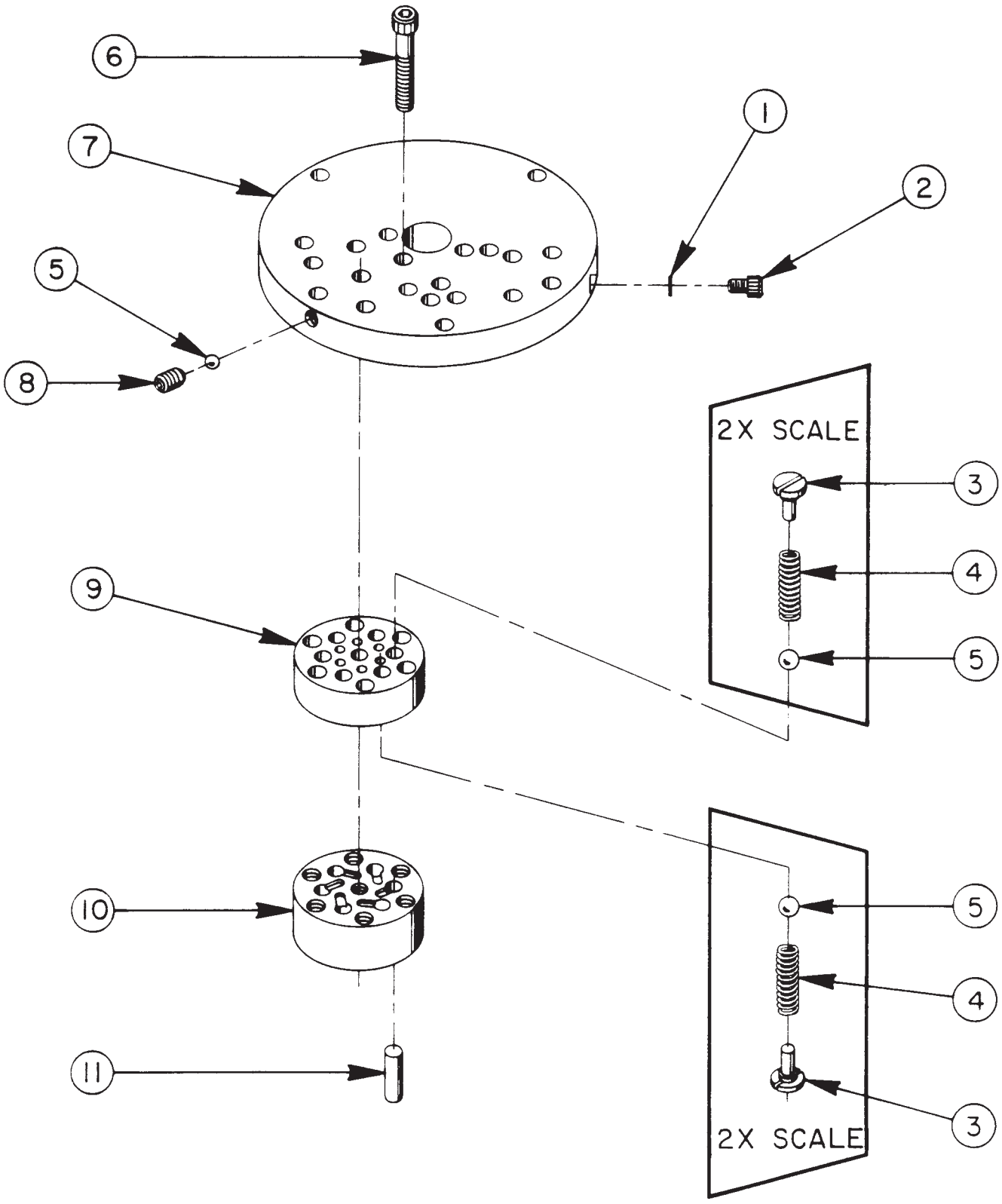
Item No.	Part No.	No. Req'd	Description
1	**10020**	9	Soc. Hd. Cap Screw (1/4-20 UNC x 1-1/4 Lg; Torque to 170/180 in. lbs.)
2	**33114**	1	High Pressure Pump Assembly (See sheet 4 of 4)
3	**10361**	1	Compression Spring (1/4 O.D. x 1" Lg.)
4	**10375**	1	Steel Ball (1/4 dia.)
5	**23547**	1	Bearing Top Plate
6	**23548**	1	Top Plate
7	**11228**	2	Thrust Bearing
8	**11813**	3	Bearing Race
9	**11814**	1	Ball Bearing
10	**23549**	1	Angle Plate
11	**11955**	1	Roll Pin (1/4 dia. x 3/4 Lg.)
12	**11064**	2	Needle Bearing
13	**11261**	2	Retaining Ring
14	**23556**	1	Shaft
15	**11821**	1	Woodruff Key
16	**23557**	1	Gear
17	**30533**	1	Pump End Plate
18	**10001**	12	Soc. Hd. Cap Screw (#10-32 UNF x 1-3/4 Lg.; Torque to 50 in. lbs.)
19	**251206**	1	Coupling
20	**21092**	1	Adapter
21	**21093**	1	Key
22	**11199**	2	Needle Thrust Bearing (See note below)
23	**10266**	1	O-ring (1/4 x 3/8 x 1/16)
24	**21272**	1	Drive Gear
25	**10303**	1	O-ring (3/4 x 7/8 x 1/16)
26	**10425**	2	Compression Spring (3/8 O.D. x 3/4 Lg.)
27	**20771**	2	Poppet
28	**40120**	1	Pump Body
29	**10427**	1	Pipe Plug (1/8 NPTF)
30	**10271**	1	O-ring (11/16 x 1/2 x 3/32)
31	**12389**	1	Teflon Backup Washer (11/16 x 1/2 x .048)
32	**20849**	1	Spool
33	**23255**	1	Spring Guide
34	**10426**	1	Compression Spring (1" O.D. x 1-13/16 Lg.)
35	**23256**	1	Spring Guide

NEEDLE BEARING INSTALLATION SPECIFICATIONS



When replacing the needle bearings on the drive gear of the basic pump, the dimensions shown must be as specified.

HIGH PRESSURE PUMP ASSEMBLY



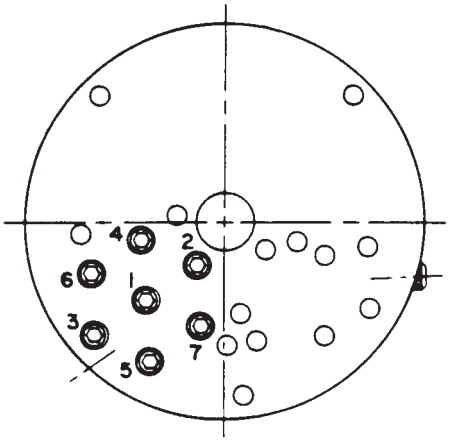
Sheet No.	**4 of 4**
Rev. 1	**Date: 21 Mar. 2001**

33114 PUMP ASSEMBLY

6 pistons -- 9/32 dia.

Item No.	Part No.	No. Req'd	Description
1	**10442**	1	Copper Washer (3/8 x 1/4 x 1/32)
2	**10002**	1	Soc. Hd. Cap Screw (1/4-20 UNC x 3/8 Lg.; Torque to 140/160 in. lbs.)
3	**24549**	12	Valve Guide
4	**10445**	12	Compression Spring (.164 O.D. x .718 Lg.)
5	**12223**	13	Steel Ball (3/16 dia.)
6	**10023**	7	Soc. Hd. Cap Screw (1/4-28 UNF x 1-1/2 Lg.; Torque to 170/180 in. lbs.; See note below)
7	**50411**	1	Top Plate
8	**10519**	1	Soc. Set Screw (1/4-20 UNC x 3/8 Lg.; Torque to 65/70 in. lbs.)
9	**41048**	1	Valve Head
10	**41063**	1	Pump Barrel
11	**21628**	6	Piston

BOLT TIGHTENING SEQUENCE



NOTE: Assemble in sequence shown.
Lubricate under head and on threads.
Torque to 180 in. lbs.