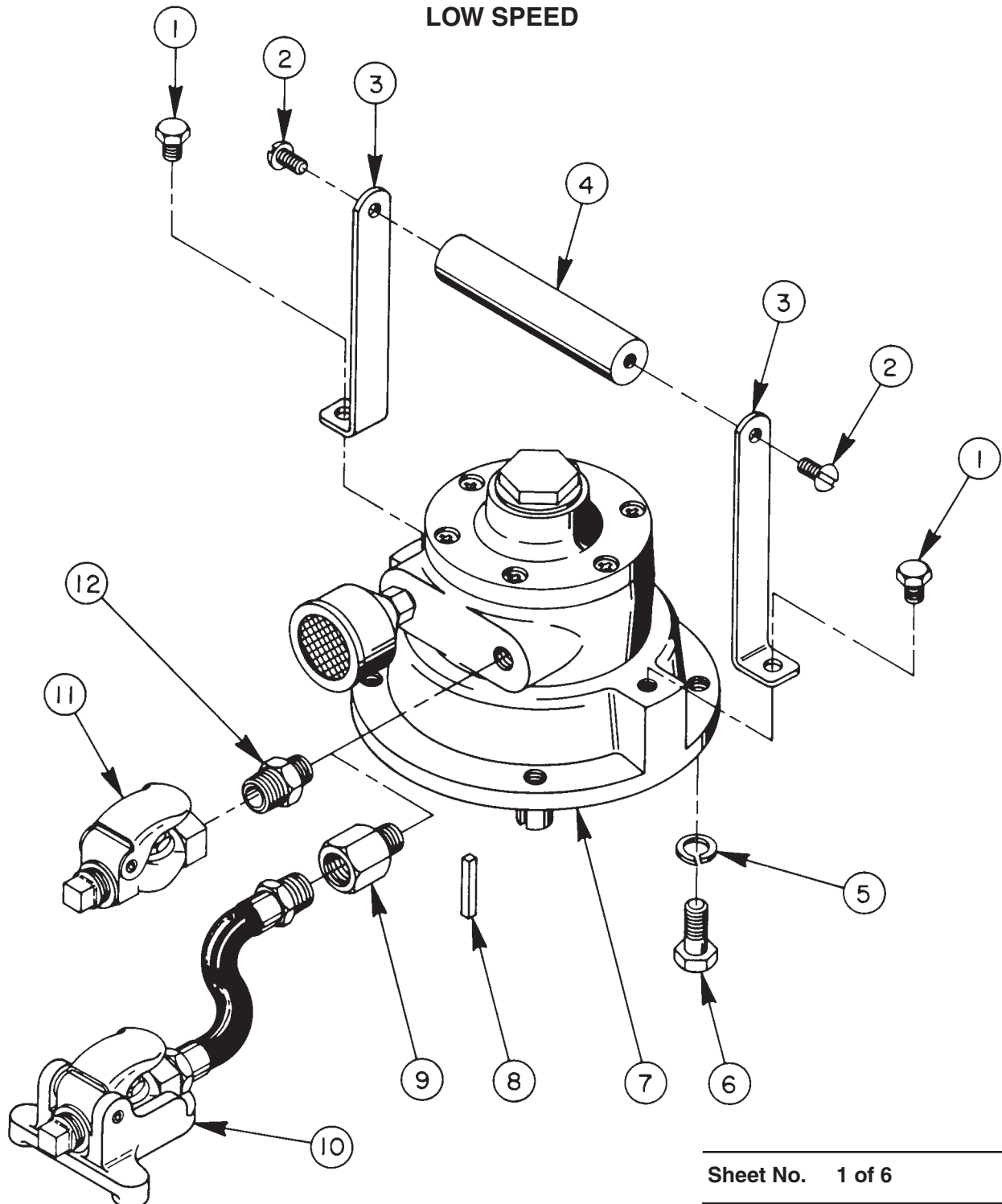


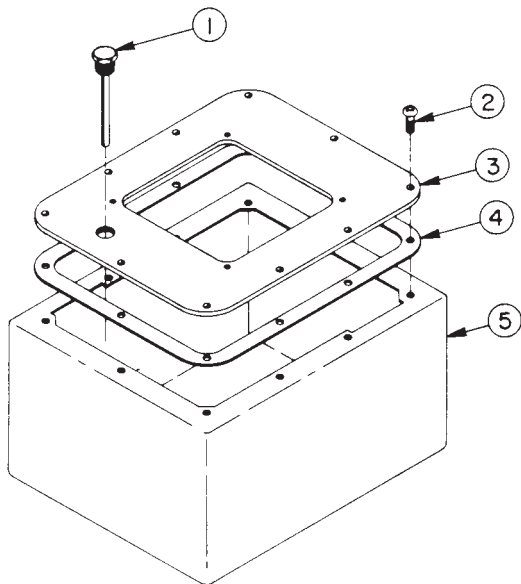
Parts List for:

4038
4039
4040
PA10 Series
Y27L Series**MODEL C**
HYDRAULIC PUMP
AIR MOTOR ASSEMBLY
LOW SPEED

AIR MOTOR ASSEMBLY

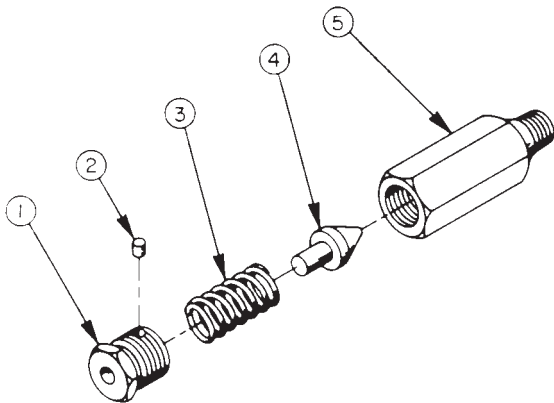
Item No.	Part No.	No. Req'd	Description
1	11573	2	Hex Hd. Cap Screw (5/16-18 X 1/2 Lg.)
2	10174	2	Rd. Hd. Machine Screw (1/4-20 X 1/2 Lg.)
3	28157	2	Bracket
4	28158	1	Handle
5	10247	4	Lockwasher
6	10049	4	Hex Hd. Cap Screw (3/8-16 X 1" Lg.)
7	33405	1	Air Motor (See Form No. 16139)
8	27778	1	Key (3/16 Sq. X 1-1/4 Lg.)
9	13888	1	Reducing Bushing (3/8 NPTF to 1/4 NPTF)
10	27877	1	Foot Control
11	27876	1	Hand Control
12	12328	1	Reducing Nipple (3/8 NPTF to 1/4 NPTF)

TWO GALLON RESERVOIR ASSEMBLY



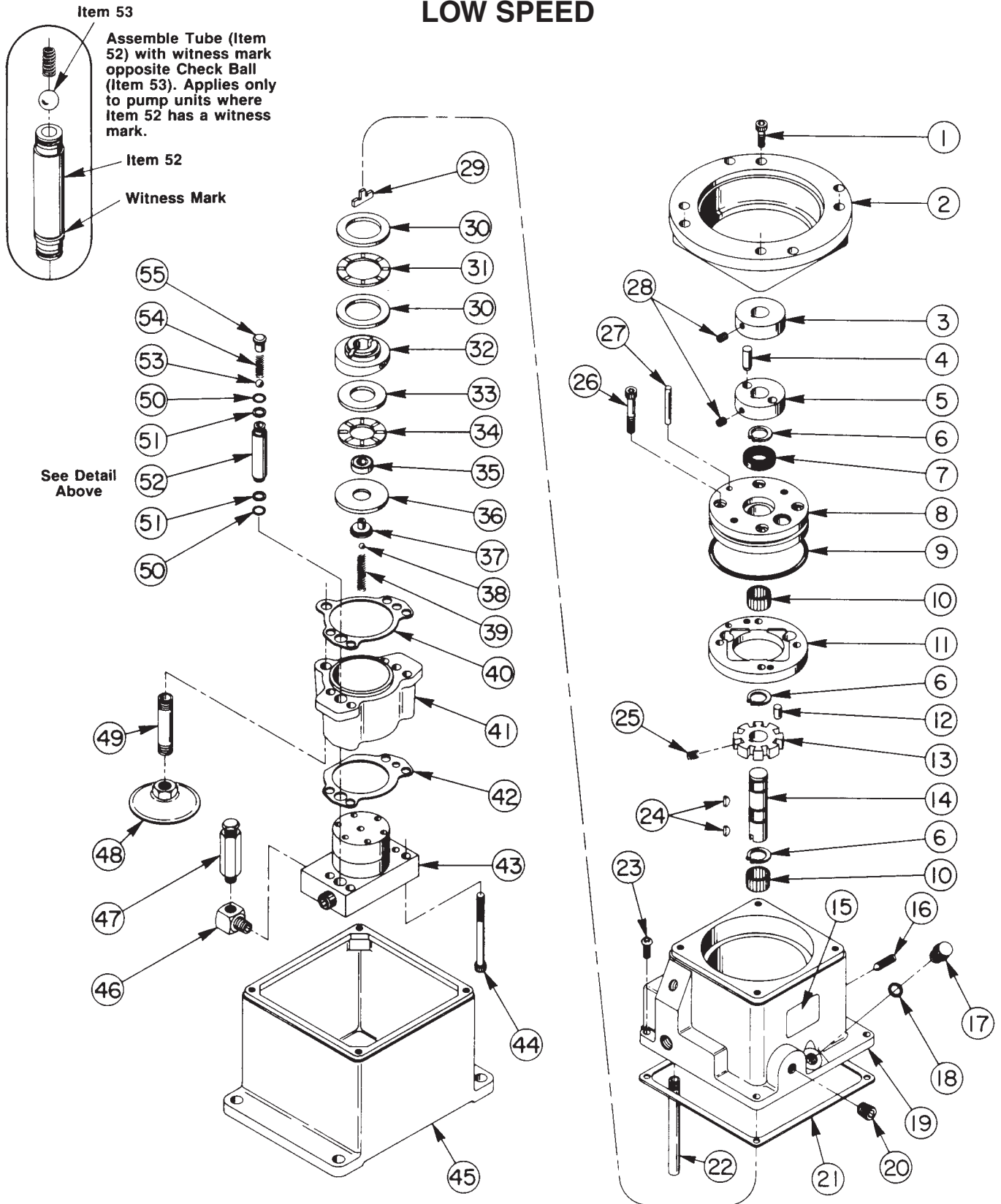
Item No.	Part No.	No. Req'd	Description
1	200291	1	Filler Plug & Dipstick
2	10177	10	Machine Screw (1/4-20 X 3/4 Lg.)
3	41174	1	Cover Plate
4	40164	1	Cover Plate Gasket
5	40063OR9	1	Reservoir (PA10 Series)
	40063BL2	1	Reservoir (Y27L Series, 4040)

RELIEF VALVE ASSEMBLY



Item No.	Part No.	No. Req'd	Description
1	24471	1	Adjusting Plug
2	24463	1	Insert (Nylock)
3	10428	1	Spring
4	21046	1	Cone
5	21286	1	Valve Body

BASIC PUMP SECTION LOW SPEED



Parts List, Form No. 100328, Back sheet 2 of 6

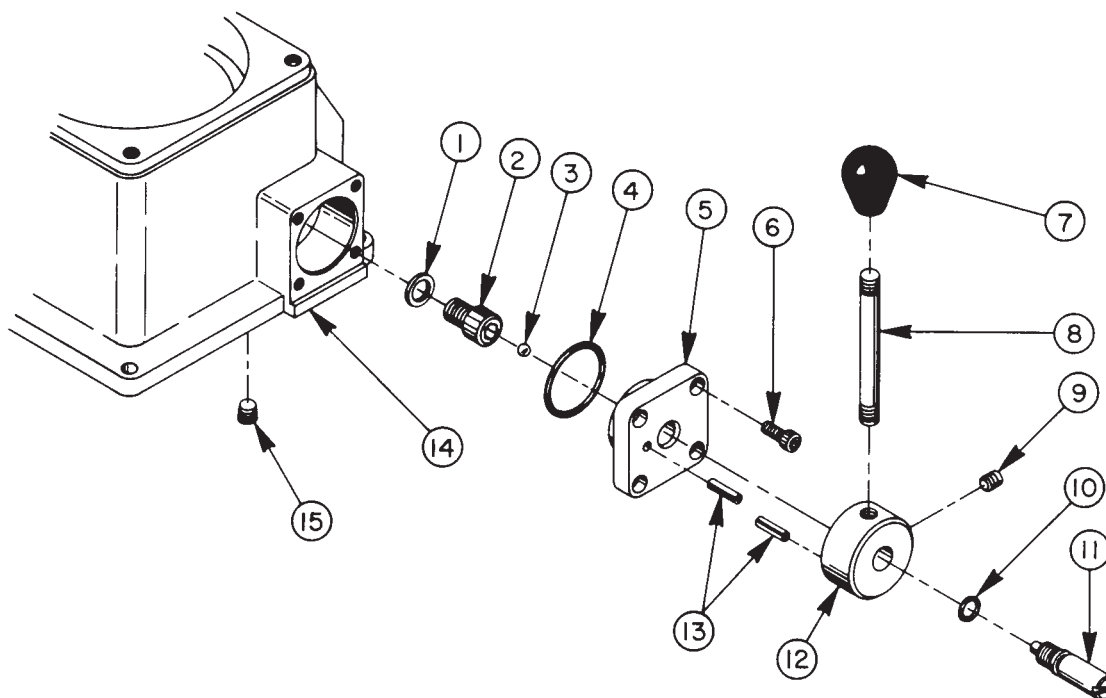
Item No.	Part No.	No. Req'd	Description
1	12102	4	Soc. Hd. Cap Screw (#10-24 X 3/4 Lg.)
2	41070WH2	1	Motor Adapter
3	27002	1	Coupling
4	27003	2	Nylon Pin
5	27001	1	Coupling
6	12178	3	Retaining Ring (for 5/8 dia. shaft)
7	12194	1	Oil Seal (1-1/8 X 5/8 X 1/2 wide)
8	33463	1	Pump End Plate
9	10297	1	O-ring (3-1/2 X 3-1/4 X 1/8 CS, -236)
10	12192	2	Needle Bearing (13/16 X 5/8 X 1/2 wide)
11	33464	1	Pump Ring
12	12193	8	Roller
13	24632	1	Rotor
	28357	1	Rotor (For Automatic Valve only)
14	202875	1	Shaft
15	12204	1	Vent Decal
16	15305	1	Soc. Set Screw (1/4-20 X 1" Lg.)
17	24132	1	Filler Cap
18	10300	1	O-ring (5/8 X 15/32 X .078 CS, -906)
19	42521	1	Pump Body (For Automatic Valve only; for other Pump Bodies see Valve Section sheets 3 of 6 and 4 of 6)
20	10427	1	Pipe Plug (1/8 NPTF)
21	32713	1	Gasket
22	27323	1	Tube Return
23	13026	4	Machine Screw (#10-24 X 5/8 Lg.)
24	12179	2	Woodruff Key (1/8 X 3/8)
25	14070	8	Compression Spring (For Automatic Valve only)
26	10022	4	Soc. Hd. Cap Screw (1/4-20 X 1-1/2 Lg.)
27	13152	1	Locating Pin
28	10133	2	Set Screw (#10-24 X 1/4 Lg.)
29	200397	1	Key
30	11227	2	Needle Thrust Bearing Race
31	11228	1	Needle Thrust Bearing (1.927 X 1.252 X .078)
32	35271	1	Angle Plate
33	15432	1	Bearing Race (1-11/16 X 7/8)
34	15431	1	Thrust Bearing (1-11/16 X 7/8)
35	11814	1	Ball Bearing (3/4 X 1/4 X 7/32 wide)
36	23548	1	Top Plate
37	23547	1	Top Plate Bearing
38	10375	1	Ball (1/4 Dia.)
39	10361	1	Compression Spring (1/4 O.D. X 1" Lg.)
40	202691	1	Upper Gasket
41	36923	1	Spacer
42	202690	1	Lower Gasket
43	36914	1	High Pressure Pump Assembly (see sheet 5 of 6)
	36917	1	High Pressure Pump Assembly (used with Automatic Valve only, see sheet 6 of 6)
44	11956	4	Soc. Hd. Cap Screw (1/4-20 X 3" Lg.)
45	40756BL2	1	Reservoir, 1/2 Gal. (Y27L Series, 4038, 4039)
	40756OR9	1	Reservoir, 1/2 Gal. (PA10 Series)
46	24730	1	Elbow
47	21278	1	Relief Valve Assembly (Set at 10,000 PSI, see sheet 1 of 6)
48	29682	1	Filter Assembly
49	202781	1	Suction Tube
	29681	1	Suction Tube (Used with 2 gal. Reservoir, see sheet 1 of 6)
50	10267	2	O-ring (7/16 X 5/16 X 1/16 CS, -011)
51	10310	2	Backup Washer (7/16 X 5/16 X 1/16, -011)
52	202688	1	Tube
53	*10377	1	Steel Ball (5/16 Dia.)
54	*15141	1	Compression Spring (3/16 O.D. X 5/8 Lg.)
55	*202681	1	Ball Stop

PARTS INCLUDED BUT NOT SHOWN

200257	1	Prime Decal
205038	1	Trade Name Decal (PA10 Series)
12858	1	Trade Name Decal (Y27L Series, 4038, 4039, 4040)

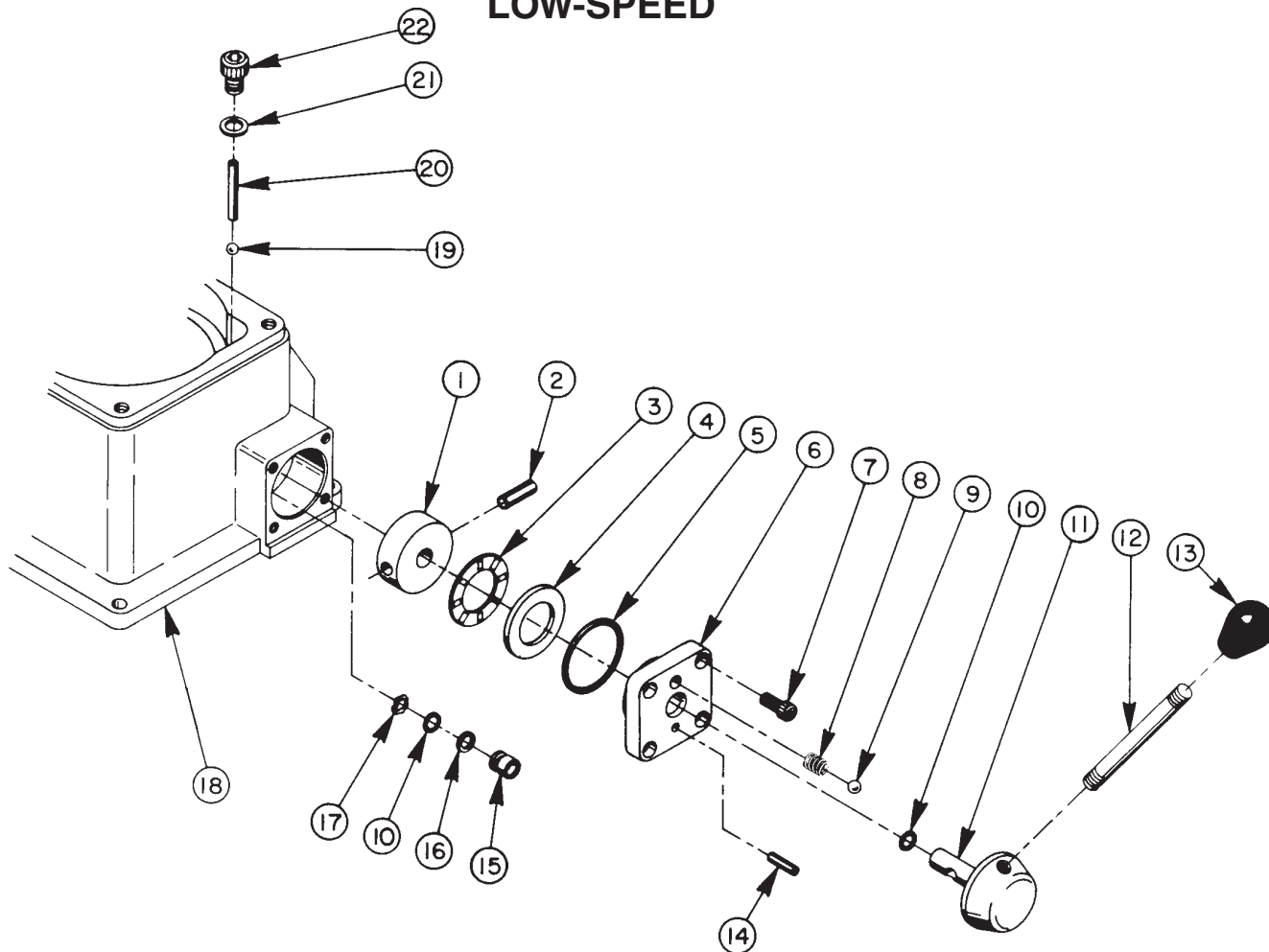
Part numbers marked with an asterisk (*) are **NOT** used with Pump using Automatic Valve.

TWO-WAY VALVE ASSEMBLY LOW SPEED

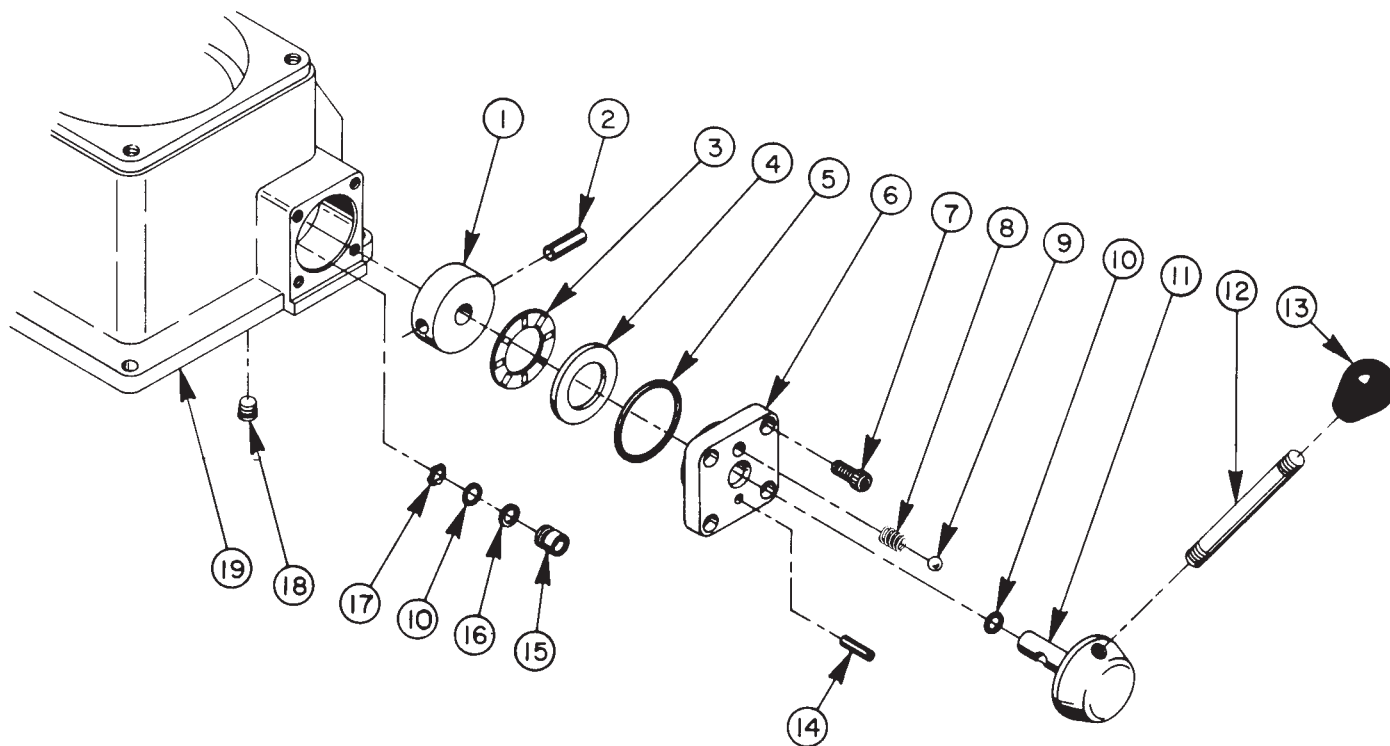


Item No.	Part No.	No. Req'd	Description
1	12042	1	Copper Washer
2	202774	1	Replaceable Seat (Torque to 180/200 in. lbs.)
3	10375	1	Steel Ball (1/4 Dia.)
4	10914	1	O-ring (1-3/8 X 1-3/16 X 3/32 CS, -123)
5	27321	1	Cover
6	11434	4	Soc. Hd. Cap Screw (#10-24 X 1/2 Lg.)
7	12821	1	Oval Knob
8	24564	1	Stud
9	10519	1	Set Screw (1/4-20 X 3/8 Lg.; Torque to 87 in. lbs.)
10	10267	1	O-ring (7/16 X 5/16 X 1/16 CS, -011)
11	202775	1	Valve Stem
12	33137	1	Collar
13	11587	2	Roll Pin (1/8 Dia. X 1/2 Lg.)
14	42516	1	Pump Body - 2 Way Valve Only
15	15130	1	Pipe Plug (1/16 NPTF Level Seal)

THREE-WAY VALVE ASSEMBLY LOW-SPEED

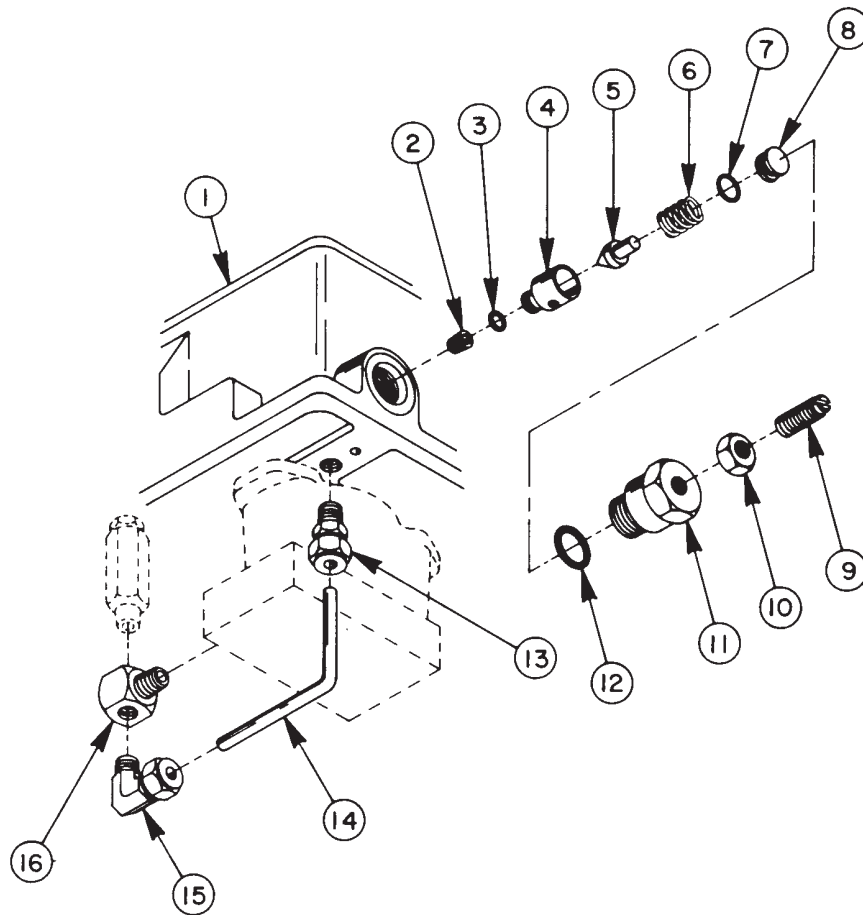


Item No.	Part No.	No. Req'd	Description
1	27200	1	Rotor
2	10716	1	Roll Pin (1/4 Dia. X 3/4 Lg.)
3	12188	1	Needle Thrust Bearing (1.427 O.D. X .877 I.D.)
4	12189	1	Bearing Race (1.427 O.D. X .877 I.D.)
5	10930	1	O-ring (1-1/2 X 1-5/16 X 3/32 CS, -125)
6	25821	1	Cover
7	11434	4	Soc. Hd. Cap Screw, (#10-24 X 1/2 Lg.)
8	12195	1	Compression Spring (1/4 O.D. X 1/2 Lg.)
9	10375	1	Steel Ball (1/4 Dia.)
10	10266	3	O-ring (3/8 X 1/4 X 1/16 CS, -010)
11	33117	1	Stem
12	24564	1	Stud
13	12821	1	Oval Knob
14	11587	1	Roll Pin (1/8 Dia. X 1/2 Lg.)
15	24570	2	Shear Seal
16	12184	2	Teflon Backup Washer (3/8 X 1/4 X 1/16 CS, -010)
17	12187	2	Spring Washer (3/8 O.D.)
18	42522	1	Pump Body - 3 Way Valve Only
19	10374	1	Steel Ball (7/32 Dia.)
20	13574	1	Roll Pin (1/8 Dia. X 1-1/8 Lg.)
21	11031	1	Copper Washer (15/32 X 5/16 X 1/32 Thk.)
22	25683	1	Special Cap Screw
	201288	1	Directional Decal (Not Shown)

FOUR-WAY VALVE ASSEMBLY

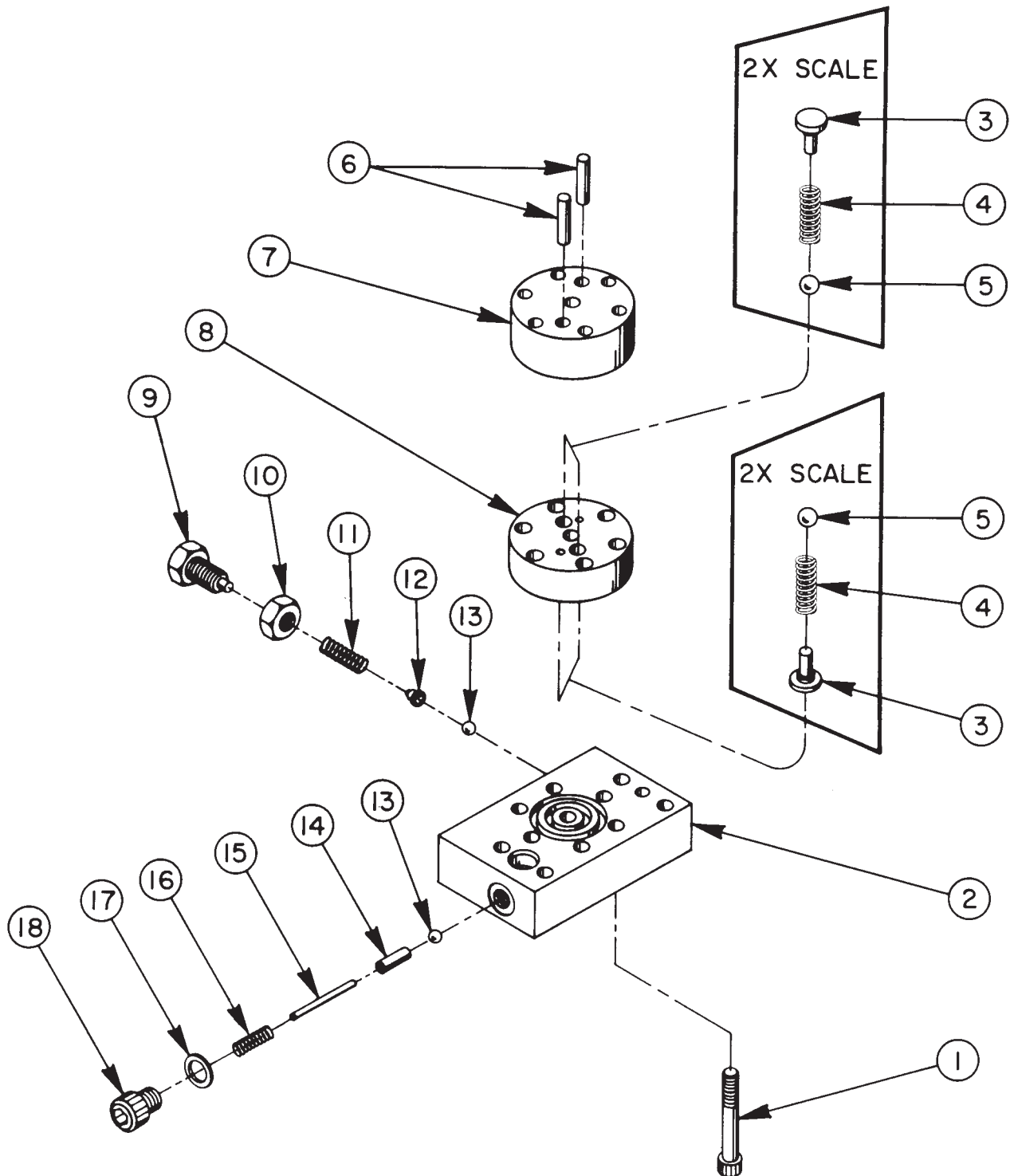
Item No.	Part No.	No. Req'd	Description
1	32071	1	Rotor
2	10716	1	Roll Pin (1/4 Dia. X 3/4 Lg.)
3	12188	1	Needle Thrust Bearing (1.427 O.D. X .877 I.D.)
4	12189	1	Bearing Race (1.427 O.D. X .877 I.D.)
5	10930	1	O-ring (1-1/2 X 1-5/16 X 3/32 CS, -125)
6	25821	1	Cover
7	11434	4	Soc. Hd. Cap Screw (#10-24 X 1/2 Lg.)
8	12195	1	Compression Spring (1/4 O.D. X 1/2 Lg.)
9	10375	1	Steel Ball (1/4 Dia.)
10	10266	4	O-ring (3/8 X 1/4 X 1/16 CS, -010)
11	32070	1	Stem
12	24564	1	Stud
13	12821	1	Oval Knob
14	11587	1	Roll Pin (1/8 Dia. X 1/2 Lg.)
15	24570	3	Shear Seal
16	12184	3	Teflon Backup Washer (3/8 X 1/4 X 1/16 CS, -010)
17	12187	3	Spring Washer (3/8 O.D.)
18	15130	1	Pipe Plug (1/16 NPTF Level Seal)
19	42520	1	Pump Body - 4 Way Valve Only
	203444	1	Directional Decal (Not Shown)

PRESSURE REGULATOR ASSEMBLY LOW SPEED



Item No.	Part No.	No. Req'd	Description
1	42513	1	Pump Body - 2 Way Valve & Pressure Regulator
	42511	1	Pump Body - 3 Way Valve & Pressure Regulator
	42417	1	Pump Body - 4 Way Valve & Pressure Regulator
	42519	1	Pump Body - Automatic Valve & Pressure Regulator
2	11084	1	Pipe Plug (1/16 NPTF Dry Seal)
3	12522	1	O-ring (3/8 X 1/4 X 1/16 CS, -010)
4	24634	1	Valve Seat
5	21046	1	Valve Stem
6	10428	1	Compression Spring (15/32 O.D. X 23/32 Lg.)
7	10268	1	O-ring (1/2 X 3/8 X 1/16 CS, -012)
8	24629	1	Spring Button
9	22362	1	Valve Adjusting Screw
10	10386	1	Jam Nut (3/8-24 UNF)
11	21305	1	Valve Cap
12	10527	1	O-ring (.818 X .644 X .087 CS, -908)
13	11173	1	Tube Connector
14	24788	1	Tube (For 2 Way, 3 Way & 4 Way Valve)
	27397	1	Tube (For Automatic Valve Only)
15	11278	1	Tube Connector Elbow
16	24702	1	Tee (1/8 NPTF)

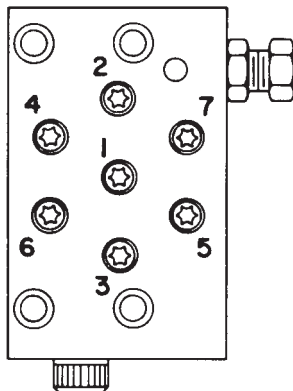
HIGH PRESSURE PUMP ASSEMBLY LOW SPEED



Item No.	Part No.	No. Req'd	Description
1	*16747	7	Torx Drive Cap Screw (1/4-28 X 1-3/4 Lg.; See diagram below)
2	*36908	1	Pump End Plate
3	*24549	4	Valve Guide
4	*10445	4	Compression Spring (5/32 O.D. X 3/4 Lg.)
5	*12223	4	Steel Ball (3/16 Dia.)
6	*20775	2	Piston
7	*41006	1	Pump Barrel
8	*41007	1	Valve Head
9	200797	1	Adjusting Screw
10	10386	1	Jam Nut (3/8-24)
11	15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)
12	200796	1	Spring & Ball Adapter
13	10375	2	Steel Ball (1/4 Dia.)
14	201998	1	Sleeve
15	12571	1	Roll Pin (1/8 Dia. X 1-3/8 Lg.)
16	14431	1	Compression Spring (3/16 O.D. X 3/4 Lg.)
17	12042	1	Copper Washer (9/16 X 3/8 X 1/32 Thk.)
18	29690	1	Cap Screw (Torque to 180 in. lbs.)

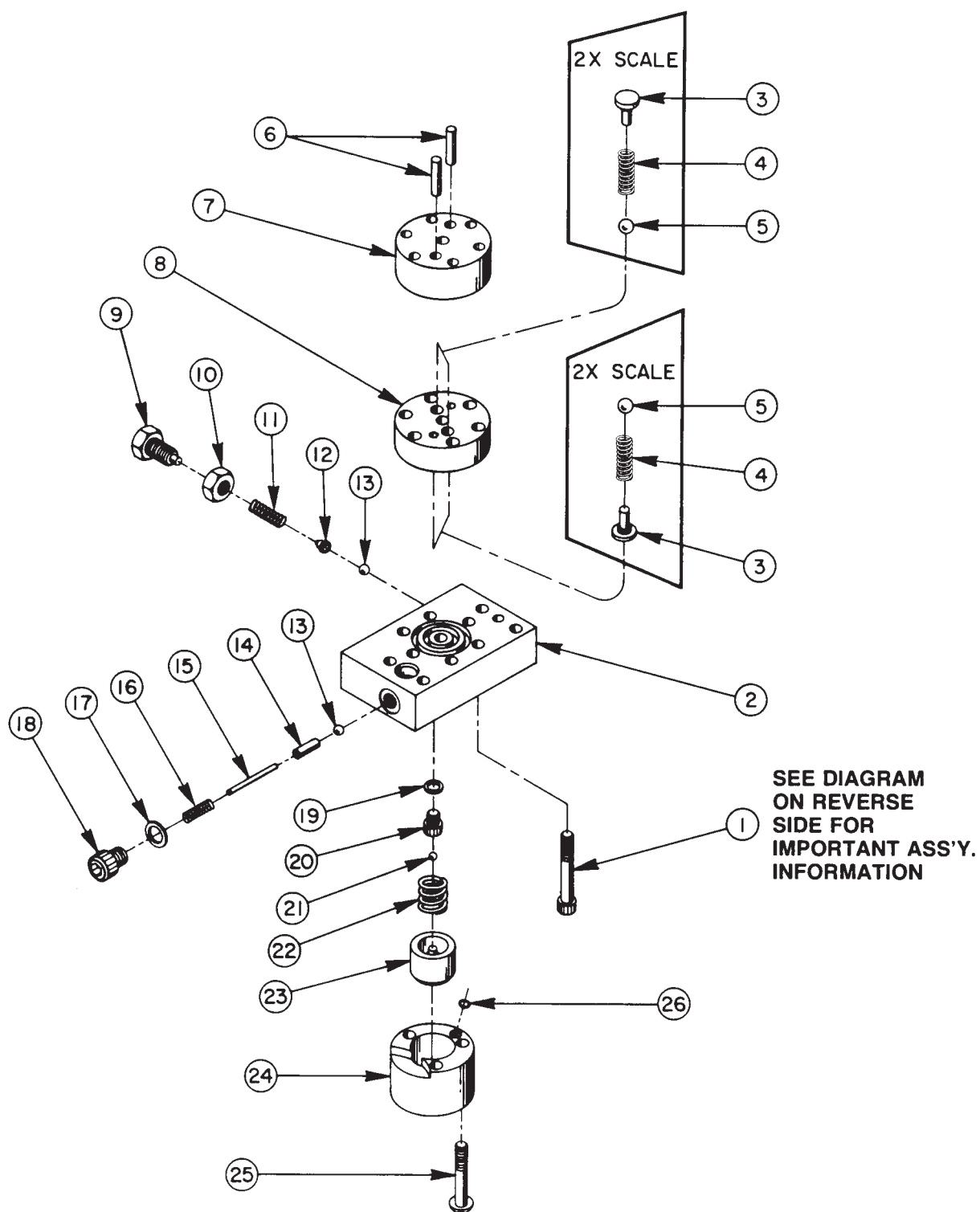
Consult factory when replacing items marked with an asterisk (*).

BOLT TIGHTENING SEQUENCE



**Note: Assemble in sequence shown. Lubricate under head and on threads.
Torque to 170 in. lbs.**

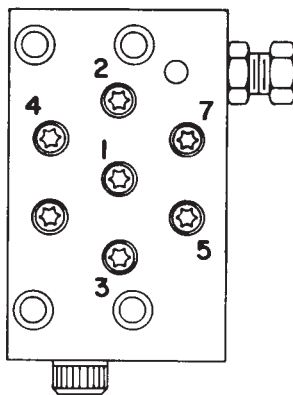
HIGH PRESSURE PUMP ASSEMBLY - AUTOMATIC VALVE LOW SPEED



Item No.	Part No.	No. Req'd	Description
1	*16747	7	Torx Drive Cap Screw (1/4-28 X 1-3/4 Lg.; See diagram below)
2	*36910	1	Pump End Plate
3	*24549	4	Valve Guide
4	*10445	4	Compression Spring (5/32 O.D. X 3/4 Lg.)
5	*12223	4	Steel Ball (3/16 Dia.)
6	*20775	2	Piston
7	*41006	1	Pump Barrel
8	*41007	1	Valve Head
9	200797	1	Adjusting Screw
10	10386	1	Jam Nut (3/8-24)
11	15691	1	Compression Spring (1/4 O.D. X 5/8 Lg.)
12	200796	1	Spring & Ball Adapter
13	10375	2	Steel Ball (1/4 Dia.)
14	201998	1	Sleeve
15	12571	1	Roll Pin (1/8 Dia. X 1-3/8 Lg.)
16	15129	1	Compression Spring (3/16 O.D. X 7/8 Lg.)
17	12042	1	Copper Washer (9/16 X 3/8 X 1/32 Thk.)
18	29690	1	Cap Screw (Torque to 180 in. lbs.)
19	10442	1	Copper Washer (3/8 X 1/4 X 1/32 Thk.)
20	201995	1	Cap Screw (Torque to 80/90 in. lbs.)
21	10419	1	Steel Ball (5/32 Dia.)
22	16465	1	Compression Spring (5/8 O.D. X 3/4 Lg.)
23	202088	1	Piston
24	32077	1	Valve Cylinder
25	10614	3	Rd. Hd. Machine Screw (1/4-20 X 1-1/2 Lg.)
26	10264	1	O-ring (1/4 X 1/8 X 1/16 CS)

Consult factory when replacing items marked with an asterisk (*).

BOLT TIGHTENING SEQUENCE



NOTE: Assemble in sequence shown. Lubricate under head and on threads.
Torque to 170 in. lbs.