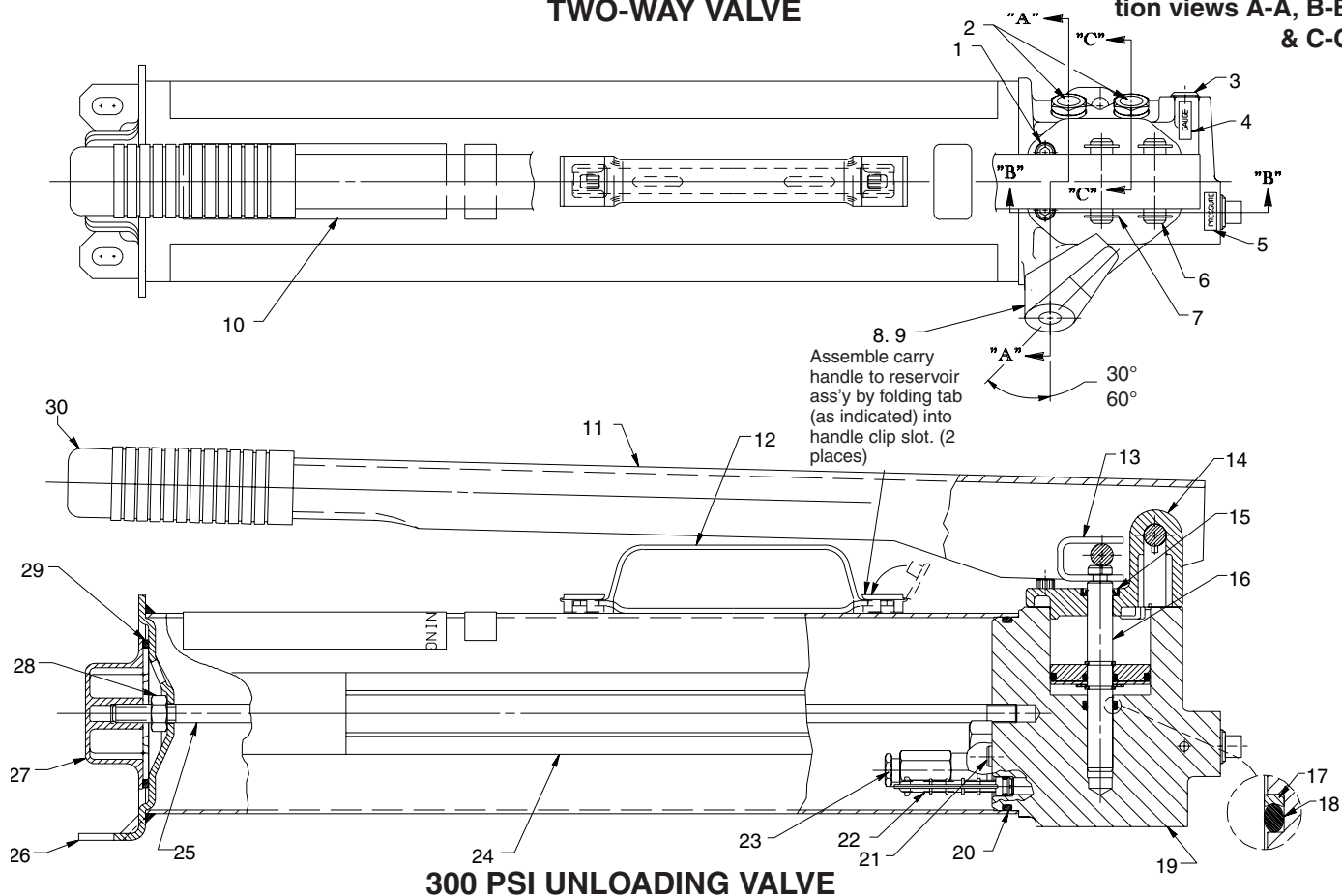


Parts List for:

4016	61871	P157-BRICK-EPR
61821	61872	P157-LUAM
61822	JT05845	P159
61823-GRC	P157	P159 Series
61869	P157 Series	P159-GRC

TWO-STAGE HYDRAULIC HAND PUMP TWO-WAY VALVE

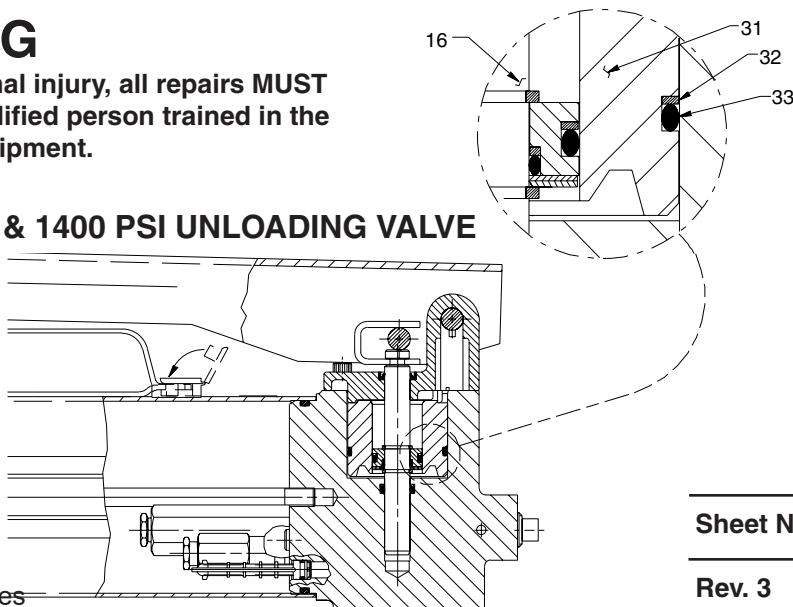
See pg. 2 of 2 for section views A-A, B-B, & C-C.



WARNING

To help prevent personal injury, all repairs **MUST** be performed by a qualified person trained in the repair of hydraulic equipment.

1000 & 1400 PSI UNLOADING VALVE



Parts List, Form No. 100706, Back sheet 1 of 2

Item No.	Part No.	No. Req'd	Description	Item No.	Part No.	No. Req'd	Description
1	10008	4	Cap Screw (1/4-20 UNC x 3/4 Lg.)	19	61804	1	Pump Body
2	†*215907	2	Decal (DO NOT REMOVE)	20	*214693	1	O-ring (3-7/8 x 3-5/8 x 1/8)
3	14972	1	Plug (1/4 NPTF)		†19048	1	O-ring (3-7/8 x 3-5/8 x 1/8)
4	215300	1	Decal (GAUGE)		*214072	1	O-ring (3-7/8 x 3-5/8 x 1/8)
5	215301	1	Decal (PRESSURE)	21	10427	1	Plug (1/8 NPTF)
6	211742	2	Dowel Pin	22	*215075	1	Filter Plug
7	211743	4	Retaining Ring (For 7/16" shaft)	23	21278	1	High Pressure Relief Valve (Set at 10,100/10,700 PSI; See note below)
8	21643	1	Knob				
9	10556	2	Set Screw (Torque to 50/70 in. lbs.)	24	308477	1	Trade Name Decal (For 4016)
10	*305977	1	Warning Decal		308478	1	Trade Name Decal (For P157)
11	61806OR9	1	Handle (For 61823-GRC, P157, P157-BRICK-EPR, P159, & P159-GRC)		308468	1	Trade Name Decal (For P159)
	61806BL2	1	Handle (For 4016 & 61869)		201826	1	Trade Name Decal (For JT05845)
	61806BR13	1	Handle (For JT05845)		16277	1	Trade Name Decal (For 61823-GRC & P159-GRC)
	61806WH2	1	Handle (For 61821)	25	211547	1	Tie Rod
	61806YE3	1	Handle (For 61822 & P157-LUAM)	26	58041	1	Reservoir Assembly (For 4016, 61822, 61869, P157, P159, P157-BRICK-EPR, & P159-GRC)
	47417	1	Handle Assembly (For 61871 & 61872)		53095	1	Cap and Reservoir Assembly (For 61821, 61823-GRC, 61871, 61872, & JT05845)
12	58048	1	Carry Handle (For 4016, 61822, 61869, P157, P157-BRICK-EPR, P159, & P159-GRC)		53322	1	Cap and Reservoir Assembly (For P157-LUAM)
13	211470	1	Piston Clip	27	52711	1	Reservoir Cap (Torque to 80/100 in. lbs.)
14	58031	1	Pump Body Cap	28	10204	1	Hex Nut (3/8-16 UNC; Torque to 150/170 in. lbs.)
15	*15092	1	Rod Wiper	29	*212739	1	Fill Cap Gasket
	†19321	1	Rod Wiper		†250731	1	Fill Cap Gasket
	*250841	1	Rod Wiper		*250732	1	Fill Cap Gasket
16	251336	1	Piston Ass'y (Nitrile) } For P157	30	211769	1	Handle Grip
	251514	1	Piston Ass'y (Viton) } For P159		206731	1	Handle Grip (For 61871 & 61872)
	251515	1	Piston Ass'y (EPR) }	31	308486	1	Adapter
	251377	1	Piston Ass'y (Nitrile) }	32	*†19137	1	O-ring Backup Washer (2" x 1-13/16 x 3/64)
	251516	1	Piston Ass'y (Viton) }				
	251517	1	Piston Ass'y (EPR) }	33	*10913	1	O-ring (2" x 1-13/16 x 3/32)
17	*†213987	1	O-ring Backup Washer		†19015	1	O-ring
18	*10271	2	O-ring (11/16 x 1/2 x 3/32, -112; For 4016, 61821, 61822, 61869, JT05845, 61823-GRC, P159, & P159-GRC)		*14287	1	O-ring
	*10271	1	O-ring (11/16 x 1/2 x 3/32; For 61871, 61872, P157, & P157-LUAM)	PARTS INCLUDED BUT NOT SHOWN			
	†11445	2	O-ring (11/16 x 1/2 x 3/32; For 4016, 61821, 61822, 61869, JT05845, 61823-GRC, P159, & P159-GRC)				
	†11445	1	O-ring (11/16 x 1/2 x 3/32; For 61871, 61872, P157, & P157-LUAM)	10029	4	Cap Screw (5/16-18 UNC x 3/4 Lg.; For 61871 & 61872)	For models 61871, 61872, P157, P157-LUAM, & P157-BRICK-EPR
	*19406	2	O-ring (11/16 x 1/2 x 3/32; For 4016, 61821, 61822, 61869, JT05845, 61823-GRC, P159, & P159-GRC)	10474	1	Fitting (For 61871)	
	*19406	1	O-ring (11/16 x 1/2 x 3/32; For 61871, 61872, P157, & P157-LUAM)	36890	1	Hose Assembly (For 61871)	
				†205724	1	Decal (Viton seals)	
				*250328	1	Decal (EPR seals)	

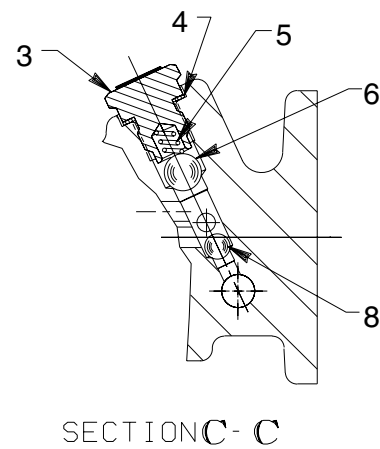
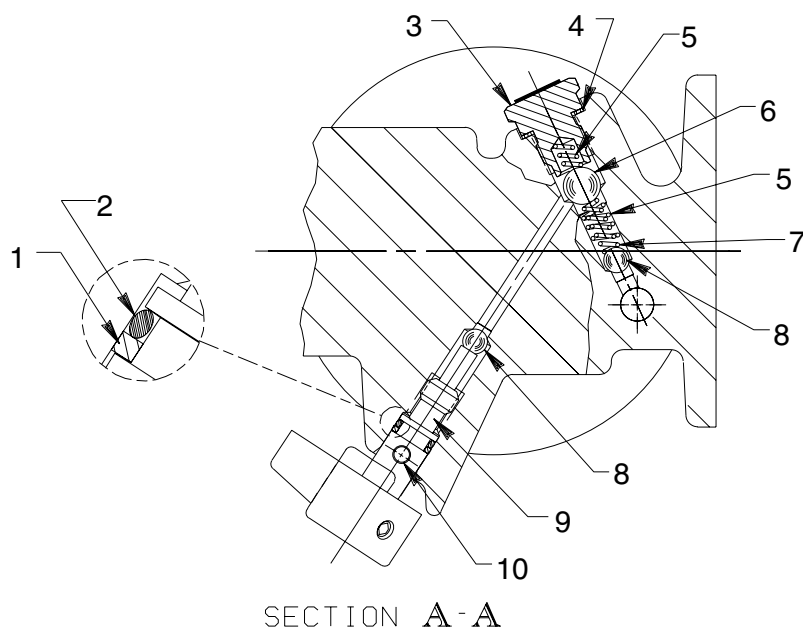
Note: Standard relief valves are set at 10,100/10,700 PSI. Relief valves pre-set at special settings are available. Refer to your pump model number or contact Power Team Technical Services.

Part numbers marked with an asterisk (*) are contained in Standard Repair Kit No. 300487.

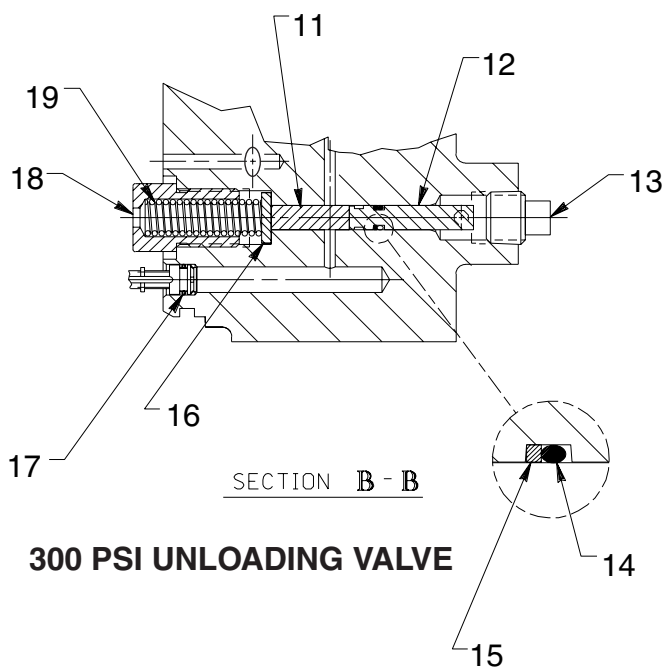
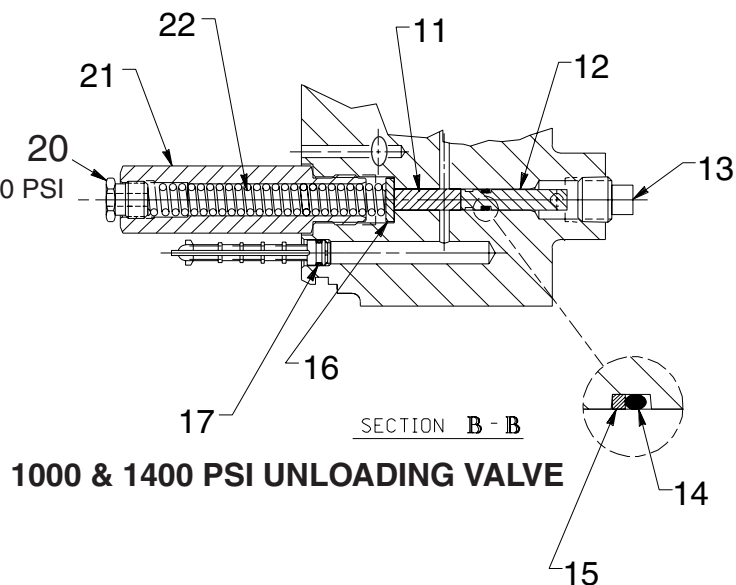
Part numbers marked with a dagger (†) are contained in Viton Seal Kit No. 300509.

Part numbers marked with a bullet (•) are contained in EPR Seal Kit No. 300501.

SECTION VIEWS



Adjust to 1,300/1,500 PSI
unloading pressure
(900/1,100 PSI for
P157-BRICK-EPR)



Item No.	Part No.	No. Req'd	Description
1	*†•15085	1	O-ring Backup Washer (7/16 x 5/16 x 3/64)
2	*10267	1	O-ring (7/16 x 5/16 x 1/16)
	†18974	1	O-ring
	•13472	1	O-ring
3	305975	2	Valve Screw (Torque to 350/370 in. lbs.)
4	*14874	2	Copper Washer (.700 x 1/2 x 1/32 thk.)
5	*10444	3	Compression Spring (3/16 I.D. x 13/32 Lg.)
6	*10378	2	Steel Ball (3/8 dia.)
7	*211797	1	Compression Spring (5/32 O.D. x 5/8 Lg.)
8	*10375	3	Steel Ball (1/4 dia.)
9	350185	1	Release Valve Screw
10	15528	1	Nylon Ball (Note: Push in nylon ball until it bottoms out in hole. Permissible to flatten ball during installation.)
11	14588	1	Dowel Pin
12	214691	1	Unloading Valve Piston
13	11127	1	Plug (3/8 NPTF)
	11127	2	Plug (3/8 NPTF; For P157-LUAM)
14	*10265	1	O-ring (5/16 x 3/16 x 3/64)
	†11437	1	O-ring
	•17714	1	O-ring
15	*†•15174	1	O-ring Backup Washer (5/16 x 3/16 x 3/64)
16	214692	1	Unloading Valve Washer
17	*12557	1	O-ring (11/32 x 7/32 x 1/16)
	†18973	1	O-ring
	•215375	1	O-ring
18	308430	1	Spring Retainer (For 4016, 61821, 61822, 61823-GRC, JT05845, P159, & P159-GRC)
19	214694	1	Compression Spring (For 4016, 61821, 61822, 61872, JT05845, P159, & P159-GRC)
20	305912	1	Valve Adjusting Screw (For 61871, 61872, P157, P157-LUAM & P157-BRICK-EPR)
21	308488	1	Spring Retainer
22	214808	1	Compression Spring (15/32 O.D. x 4-7/16 Lg.; For 61871, 61872, P157, P157-LUAM & P157-BRICK-EPR)

Part numbers marked with an asterisk (*) are contained in Standard Repair Kit No. 300487.

Part numbers marked with a dagger (†) are contained in Viton Seal Kit No. 300509.

Part numbers marked with a bullet (•) are contained in EPR Seal Kit No. 300501.

Note: Shaded areas reflect last revision(s) made to this form.

Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

Items found in this parts list have been carefully tested and selected. **Therefore: Use only genuine replacement parts!**

Additional questions can be directed to our Technical Services Department.