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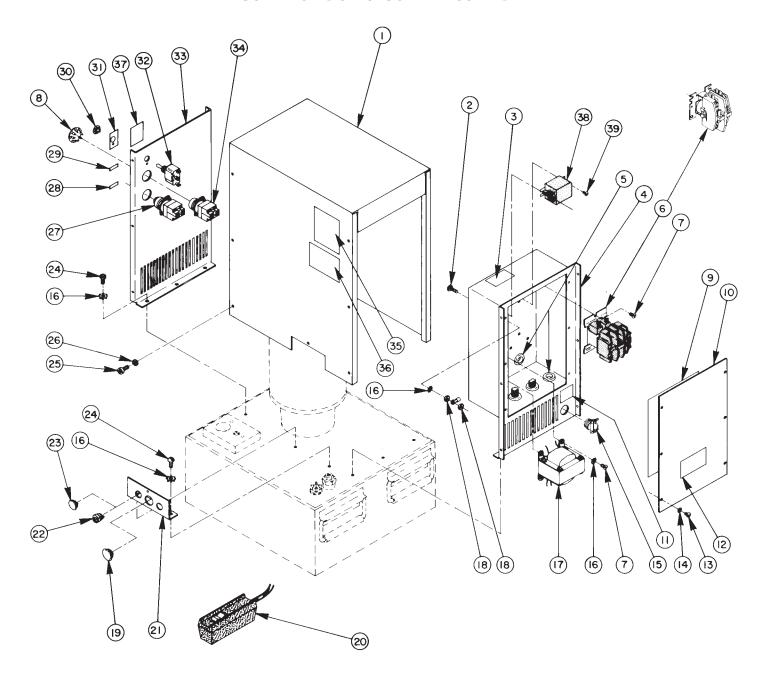
Internet Address: http://www.powerteam.com

Parts List for:

PQ60 Series

MODEL C

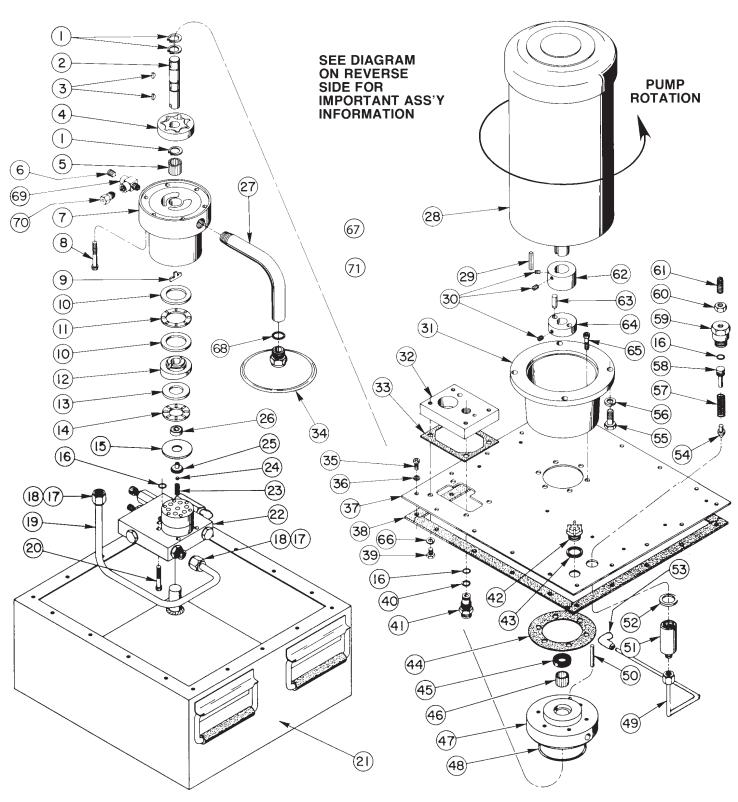
ELECTRIC TWO-STAGE HYDRAULIC PUMP CONTROL BOX & COVER ASSEMBLY



Sheet No.	1of 5
Rev 9	Date: 30 October 2013

Item	Part	No.		Item	Part	No.	
No.	No.	Req'd	Description	No.	No.	Req'c	l Description
1	50946WH2	1	Shroud Cover	26	12356	13	Serrated Washer (#10 internal tooth)
2	104484	1	Hex Hd. Mach. Screw (#10-24		39283	1	Pushbutton Switch (Red)
			UNC X 3/4 Lg.)		203769	1	Stop Decal
3	202504	1	Rotation Decal	29	203808	1	Start Decal
4 5	60235OR9 15497	1 6	End Panel & Elect. Box Rubber Grommet		17782	1	Snap Plug (for 1/2" hole; Solenoid & Auto. Valve units)
6	16666-2	1	Starter Relay, 230V (Manual Valve & Press. Switch units)		360133	1	On-Off-Jog Decal (Manual Valve & Press. Switch units)
	***420718-2	1	Starter Relay, 230V (Manual Valve & Press, Switch units)		16617	1	On-Off-Jog Switch (Manual Valve & Press. Switch units)
	16666-4	1	Starter Relay, 24V. (Solenoid &	33	51124OR9	1	End Panel
	***420710 4	1	Auto. Valve units)	34	39282	1	Pushbutton Switch (Green)
	***420718-4	1	Starter Relay, 24 V. (Solenoid & Auto. Valve units)	35	309221	2	Trade Name Decal
7	11539	2	Rd. Hd. Mach. Screw (#10-24 UNC	36	39270	1	Rating Decal (60 cycle units)
,	11339	2	X 1/4 Lg.; Manual. Valve units)	37	204015	1	Instruction Decal
	10164	4	Rd. Hd. Mach. Screw (#10-24 UNC X 3/8 Lg.; Solenoid & Auto. Valve	38	39520	1	Control Relay-230V (Pressure Switch units)
8	19502	2	units) Snap Plug (for 1" hole; Auto. Valve	39	10159	2	Rd. Hd. Mach. Screw (#6-32 UNC X 5/16 Lg.; used to mount Control
Ü	1,5502	_	units)				Relay)
9	39479	1	Elect. Schematic Decal (for Manual & Sol. units)		***10166	2	Machine Screw (10-24 x 1/2 Lg.; used to mount Control Relay)
	39521	1	Elect. Schematic Decal (for Press. Switch units)		PARTS	S INCLU	JDED BUT NOT SHOWN
	388912	1	Elect. Schematic Decal (for		9041	1	Pressure Gauge (Pressure Switch units)
	10.1==000	_	Automatic Valve units)		205189	1	Ground Decal
10	42457OR9	1	Cover Plate		216666	1	Strain Relief Bushing (Sol. units)
11	203801	1	Voltage Decal (50 cycle units)		216680	1	Strain Relief Bushing Nut
12	200188	1	Warning Decal				3
13	10975	6	Mach. Screw (8-32 X 5/16 Lg.)		12908	2 Ft.	Solenoid Cable (Sol. units)
14	11107	6	Serrated Washer (#8 internal tooth)		39273	1	Power Cord (230V, 60 cycle)
15	11203	1	Strain Relief (Connector)		308752	8 Ft.	Power Cable (no plug; 14/3 SJTO,
16	11108	10	Serrated Washer (#10 external tooth; for Manual Valve & Press. Switch units)		307439	8 Ft.	220V, 50 Hz.) Power Cable (no plug; 2/3 SJTO, 110V, 50 Hz.)
	11108	14	Serrated Washer (#10 external tooth; for Sol. & Auto. Valve units)		350155	8 Ft.	Power Cable (with plug; 12/3 SJTO, 115V, 60 Hz.)
17	39692	1	Transformer (for Sol. & Auto. Valve		203972	1	CSA Decal
		-	units)		352061	1	Metal Switch Guard
18	10197	2	Hex Nut (#10-24 UNC)				
19	15327	1	Snap Plug (for 7/8" hole)	(MANIFOLD/PRESSURE SWITCH
20	202777	1	Remote Control (for 3-Way Sol. Valve units; See form no. 101644)		V33S	1	3-Way Solenoid Valve (see Form #100422)
	202778	1	Remote Control (for 4-Way Sol. Valve units; See form no. 101644)		9506	1	4-Way Manual Valve (see Form #100628)
	25017	1	Remote Control (for Automatic Valve units; See form no. 101644)		9512	1	4-Way Solenoid Valve (see Form #101653)
21	36746WH2	1	Angle Plate		9626	1	Manifold (see Form #100605)
22	15993	2	Strain Relief Bushing (for Solenoid units)		9625	1	Pressure Switch (see Form #100589)
	15993	1	Strain Relief Bushing (for Press. Switch & Auto. Valve units)		V23A	1	Automatic Valve (see Form #100415)
23	16412	2	Snap Plug (for 5/8" hole; Manual Valve units)		9520	1	3-Way Manual Valve (see Form #101377)
	16412	1	Snap Plug (for 5/8" hole; Press. SW & Auto. Valve units)		*** ^	m 1.m!4.	
24	16613	8	Pan Hd. Mach. Screw (#10-24 X		*** 0	n units	built after March 1983.
25	14394	14	5/16 Lg.) Self-Tapping Screw (#10 X 3/8 Lg.)				

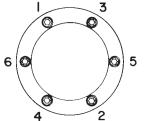
BASIC PUMP ASSEMBLY



Sheet No.	2 of 5
Rev 9	Date: 30 October 2013

1 12178 2 Retaining Ring (5/8* shaft) 39 10004 4 Hex Hd. Cap Screw (1/4-20X 3/8 Lg.) 378 Lg.)	ltem No.	Part No.	No. Req'd	Description	ltem No.	Part No.	No. Req'd	l Description
**12178 3 Retaining Ring (5/8" shaft) **303009 1 Pump Shaft **10005 4 Hex Hd. Cap Screw (1/4-20 X 1/2 Lg) **303009 1 Pump Shaft **1005 4 Hex Hd. Cap Screw (1/4-20 X 1/2 Lg) **303009 1 Pump Shaft **1005 4 Hex Hd. Cap Screw (1/4-20 X 1/2 Lg) **303009 1 Pump Shaft **1005 4 Hex Hd. Cap Screw (1/4-20 X 1/2 Lg) **50761 1 Needle Bearing 42 20937 1 Filler Plug **50705 1 Pump Housing 44 35266 1 Gasket **50706 1 Gerotor Pump Housing **50807 1 Gerotor Pump Ho				·				•
**303009 1 Pump Shaft **303009 1 Pump Housing 42 20937 1 Filler Plug Green Shaft **303009 1 Pump Housing 44 35266 1 Gasket **303009 1 Pump Housing 44 35266 1 Gasket **303009 1 Pump Housing 44 35266 1 Gasket **303009 1 Pump Housing 44 15430 1 Needle Bearing **303009 1 Needle Brust Bearing 49 350524 1 O-fring 8 2-131/16 X3/32) 1 Needle Thrust Race 48 12504 1 O-fring 8 2-131/16 X3/32) 1 Needle Thrust Bearing 49 350524 1 O-fring 8 2-131/16 X3/32) 1 Needle Thrust Bearing 49 350524 1 O-fring 8 2-131/16 X3/32) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 2 Tube Sleeve 53 16177 1 90° Elbow Fitting 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Body (3/16*Dla) 1 Needle Thrust Bearing 51 22361 1 Dowel Pin (3/16*X1-1/2Lg.) 1 Needle Thrust Bearing 51 22361 1 Dowel Pin (3/16*X1-1/2Lg.) 1 Needle Thrust Bearing 51 22361 1 Dowel Pin (3/16*X1-1/2Lg.) 1 Needle Thrust Bearing 51 22361 1 Dowel Pin (3/16*X1-1/2Lg.) 1 Needle Thrust Bearing 51 22361 1 Dowel Pin (3/16*X1-1/2Lg.) 1 Needle Thrust Bearing 51 22361	ı				39	10004	4	-
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12179 2 Woodruff Key	2					10003	4	-
4 15428 1 Gerotor Set 41 20787 1 Connector 15461 1 Needle Bearing 42 20937 1 Filler Plug 166 10427 1 Pipe Plug (1/8* NPTF) 43 200415 1 Washer 7 50705 1 Pump Housing 44 35266 1 Gasket 8 10854 6 Soc. Hd. Cap Screw (1/4-20 UNC X 45 12194 1 Seal 1-3/4 Lg.; see Note Below) 46 15430 1 Needle Bearing 9 200397 1 Key 47 50706 1 Gerotor Pump Housing 47 11227 2 Needle Thrust Bearing 49 350524 1 Oring (3 x 2-13/16 x 3/32) 1 Needle Thrust Bearing 49 350524 1 Oring (3 x 2-13/16 x 3/32) 1 Needle Thrust Bearing 49 350524 1 Oring (3 x 2-13/16 x 3/32) 1 Needle Thrust Bearing 51 22361 1 Needle Thrust Bearing 51 22361 1 Body 156 Dia Needle Thrust Bearing 51 22361 1 Body 166 10268 3 Oring (1/2 x 3/8 x 1/16) 1 Top Plate 52 17065 1 Flat Washer (125 Thk) 14857 1 Sees work (1/4-20 UNC X 1-1/2 Lg.) 157 1 Soc. Hd. Cap Screw (1/4-20 UNC X 1-1/2 Lg.) 157 1 Soc. Hd. Cap Screw (1/4-20 UNC X 1-1/2 Lg.) 157 1 Soc. Hd. Cap Screw (1/4-20 UNC X 1-1/2 Lg.) 157 1 Sees held (1/4* Dia) 61 22362 1 Valve Adjusting Screw 157 1 Down Plate (1/4* Dia) 61 22362 1 Valve Adjusting Screw (1/4-20 UNC X 1-1/2 Lg.) 157 1 See Ball (1/4* Dia) 61 22362 1 Valve Adjusting Screw (1/4-20 UNC X 1-1/2 Lg.) 60 10386 1 Hex Nut (3/8-24 UNF) 157 1 Steel Ball (1/4* Dia) 61 22362 1 Valve Adjusting Screw (1/4-20 UNC X 1-1/2 Lg.) 60 10386 1 Hex Nut (3/8-24 UNF) 14 Lg.) 67 200022 1 Straight Fitting 63 27003 2 Nylon Pin (1/4 Lg.) 69 1896 1 Tee Fitting (1/4 Lg.) 69 189	2				40	11062	1	
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1-3/4 Lg; see Note Below 46								
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0 11227 2 Needle Thrust Race 48 12504 1 O-ring (3 X2-13/16 X3/32) 1 11228 1 Needle Thrust Bearing 49 350524 1 Oil Line Ass'y with Fittings (3/16* Dia) 3 35271 1 Needle Thrust Race 50 13152 1 Dowel Pin (3/16 X 1-1/2 Lg.) 4 15431 1 Needle Thrust Race 50 13152 1 Dowel Pin (3/16 X 1-1/2 Lg.) 5 23548 1 Top Plate 52 17065 1 Flat Washer (125 Thk) 6 10268 3 O-ring (1/2 X 3/8 X 1/16) 14857 1 Flat Washer (125 Thk) 7 10430 2 Tube Sleeve 53 16177 1 90° Elbow Fitting 8 10431 2 Tube Nut 54 21046 1 Valve Stem 35281 1 Oil Line (3/8 Dia) 55 10049 4 Hex Hd. Cap Screw (3/8-16 UNC X 1-1/2 Lg.) 6 02340R9 1 Reservoir 57 10495 1 Compression Spring (1/2 O.D. X 1-1/2 Lg.) 6 10361 1 Compression Spring (1/4 O.D. X 59 21305 1 Valve Cap 1*Lg.) 7 2 41806 1 Compression Spring (1/4 O.D. X 59 21305 1 Valve Cap 1*Lg.) 8 10375 1 Steel Ball (1/4* Dia.) 61 22362 1 Valve Adjusting Screw (3/8-16 UNC) 9 2 3547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 17 2 60022 1 Straight Fitting 63 27003 2 Nylon Pin 14Lg.) 18 15435 1 Motor (2 H.P., 60 Hz) 64 27001 1 Coupling (see diagram below) 17 4 1033 3 Soc. Hd. Set Screw (#10-24 X 66 10527 1 O-ring (13/16 X 3/8*) 18 14388 1 Motor (2 H.P., 60 Hz) 67 260022 1 Straight Fitting 69 18969 1 Tee Fitting (42 A) 1/4 Lg.) 19 27778 1 Square Key 7/8 Lg.; Torque to 110 /120 in. lbs.) 10 4 1838 1 Motor Mount 70 306957 1 Air Bleed Valve 110 /120 in. lbs.) 10 10 13 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X 6.44 X 0.87) 1/4 Lg.) 69 18969 1 Tee Fitting (50 10012 6 Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110 /120 in. lbs.) 10 10 13 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X 6.44 X 0.87) 1/4 Lg.) 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	^	200207	4					
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See Sheet 3 of 5; Adjustment required See	13							
10268 3	14			3				
7	15				52			
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9 35281 1 Oil Line (3/8 Dia.) 55 10049 4 Hex Hd. Cap Screw (3/8-16 UNC x 1°Lg.) 10022 5 Soc. Hd. Cap Screw (1/4-20 UNC x 1°Lg.) 1-1/2 Lg.; Torque to 110/120 in. lbs.) 56 10247 4 Lockwasher (for 3/8" bolt) 1 602340R9 1 Reservoir 57 10495 1 Compression Spring (1/2 O.D. X 1-5/8 Lg.) (see sheet 3 of 5; Adjustment required) 58 21306 1 Spring Guide 3 10361 1 Compression Spring (1/4 O.D. X 59 21305 1 Valve Cap 1°Lg.) 4 10375 1 Steel Ball (1/4" Dia.) 61 22362 1 Valve Adjusting Screw 1°Lg.) 5 23547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 6 11814 1 Ball Bearing **207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 1°Coupling (see diagram below) 17646 1 Motor (2 H.P., 60 Hz) 65 10012 6 Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110 /120 in. lbs.) 10 10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X.644 X.087) 1/4 Lg.) 69 18969 1 Tee Fitting 1 41838 1 Motor Mount 70 306957 1 Air Bleed Valve 243110 1 Valve Mounting Block 71 260021 1 Tube Extension 2 43110 1 Valve Mounting Block 71 260021 1 Drain Tube (For PQ603S, PQ603S-115 & PQ603S-50-220)	17						1	
0 10022 5 Soc. Hd. Cap Screw (1/4-20 UNC X 1-1/2 Lg.; Torque to 110/120 in. lbs.) 56 10247 4 Lockwasher (for 3/8" bolt) 1 Reservoir 57 10495 1 Compression Spring (1/2 O.D. X 1-5/8 Lg.) 2 41806 1 High Pressure Pump Assembly (see sheet 3 of 5; Adjustment required) 58 21306 1 Spring Guide 3 10361 1 Compression Spring (1/4 O.D. X 59 21305 1 Valve Cap 1" Lg.) 4 10375 1 Steel Ball (1/4" Dia.) 60 10386 1 Hex Nut (3/8-24 UNF) 5 23547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 6 11814 1 Ball Bearing **207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 260022 1 Straight Fitting 64 27001 1 Coupling (see diagram below) 17646 1 Motor (2 H.P., 50 Hz) 65 10012 6 Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110/120 in. lbs.) 9 27778 1 Square Key 7/8 Lg.; Torque to 110/120 in. lbs.) 11/4 Lg.) 69 18969 1 Tee Fitting 1 41838 1 Motor Mount 70 306957 1 Air Bleed Valve 43110 1 Valve Mounting Block 71 260021 1 Tube Extension 3 200395 1 Gasket PATS INCLUDED BUT NOT SHOWN 20069 1 Drain Tube (For PQ6035, PQ6035-50-220) 1 Cover Plate (164 Thk.) PQ6035-50-220)	18	10431	2	Tube Nut		21046	1	
1-1/2 Lg.; Torque to 110/120 in. lbs.) 56 10247 4 Lockwasher (for 3/8" bolt) 1 60234OR9 1 Reservoir 57 10495 1 Compression Spring (1/2 O.D. X 1-5/8 Lg.) 4 1806 1 High Pressure Pump Assembly (see sheet 3 of 5; Adjustment required) 58 21306 1 Spring Guide 3 10361 1 Compression Spring (1/4 O.D. X 59 21305 1 Valve Cap 1" Lg.) 60 10386 1 Hex Nut (3/8-24 UNF) 4 10375 1 Steel Ball (1/4" Dia.) 61 22362 1 Valve Adjusting Screw 523547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 6 11814 1 Ball Bearing **207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 8 15435 1 Motor (2 H.P., 50 Hz) 65 10012 6 Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110 / 120 in. lbs.) 9 27778 1 Square Key 7/8 Lg.; Torque to 110 / 120 in. lbs.) 10133 3 Soc. Hd. Set Screw (#10-24 X 66 **207440 1 Coupling (see diagram below) 1/4 Lg.) 67 260023 1 90° Elbow Fitting **10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X .644 X .087) 1/4 Lg.) 69 18969 1 Tee Fitting 1 41838 1 Motor Mount 70 306957 1 Air Bleed Valve 43110 1 Valve Mounting Block 71 260021 1 Tube Extension 2 43110 1 Valve Mounting Block 71 260021 1 Tube Extension 3 200395 1 Gasket Purchasher (#10 internal tooth) 70 206035-115 & PQ6035-50-220)	19	35281			55	10049	4	Hex Hd. Cap Screw (3/8-16 UNC X
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2 41806 1 High Pressure Pump Assembly				1-1/2 Lg.; Torque to 110/120 in. lbs.)	56	10247	4	Lockwasher (for 3/8" bolt)
See sheet 3 of 5; Adjustment required 58	21	60234OR9	1	Reservoir	57	10495	1	Compression Spring (1/2 O.D. X
10361	22	41806	1	High Pressure Pump Assembly				1-5/8 Lg.)
1"Lg.) 60 10386 1 Hex Nut (3/8-24 UNF) 4 10375 1 Steel Ball (1/4" Dia.) 61 22362 1 Valve Adjusting Screw 5 23547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 6 11814 1 Ball Bearing **207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 8 15435 1 Motor (2 H.P., 60 Hz) 64 27001 1 Coupling (see diagram below) 17646 1 Motor (2 H.P., 50 Hz) 65 10012 6 Soc. Hd. Cap Screw (1/4-20 X 9 27778 1 Square Key 7/8 Lg.; Torque to 110 /120 in. lbs.) 0 10133 3 Soc. Hd. Set Screw (#10-24 X 66 **207440 1 Coupling (see diagram below) 1/4 Lg.) 67 260023 1 90° Elbow Fitting **10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X.644 X.087) 1/4 Lg.) 69 18969 1 Tee Fitting 1 41838 1 Motor Mount 70 306957 1 Air Bleed Valve 2 43110 1 Valve Mounting Block 71 260021 1 Tube Extension 3 200395 1 Gasket 4 21345 1 Filter Assembly 5 16876 18 Machine Screw (#10-24 X 1/2 Lg.) 6 12356 18 Serrated Washer (#10 internal tooth) 7 60231WH2 1 Cover Plate (.104 Thk.) **60922 1 Cover Plate (.104 Thk.)				(see sheet 3 of 5; Adjustment required)	58	21306	1	Spring Guide
4 10375 1 Steel Ball (1/4" Dia.) 61 22362 1 Valve Adjusting Screw 5 23547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 6 11814 1 Ball Bearing ***207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 8 15435 1 Motor (2 H.P., 60 Hz) 64 27001 1 Coupling (see diagram below) 17646 1 Motor (2 H.P., 50 Hz) 65 10012 6 Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110 /120 in. lbs.) 9 27778 1 Square Key 7/8 Lg.; Torque to 110 /120 in. lbs.) 10 10133 3 Soc. Hd. Set Screw (#10-24 X 66 **207440 1 Coupling (see diagram below) 1/4 Lg.) 67 260023 1 90° Elbow Fitting **10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X .644 X .087) 1/4 Lg.) 69 18969 1 Tee Fitting 1 41838 1 Motor Mount 70 306957 1 Air Bleed Valve 2 43110 1 Valve Mounting Block 71 260021 1 Tube Extension 3 200395 1 Gasket Parts INCLUDED BUT NOT SHOWN 200395 1 Gasket PARTS INCLUDED BUT NOT SHOWN 5 16876 18 Machine Screw (#10-24 X 1/2 Lg.) 6 12356 18 Serrated Washer (#10 internal tooth) 7 60231WH2 1 Cover Plate (.104 Thk.) PQ6035-50-220)	23	10361	1	Compression Spring (1/4 O.D. X	59	21305	1	Valve Cap
5 23547 1 Top Bearing Plate 62 200396 1 Coupling (see diagram below) 6 11814 1 Ball Bearing **207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 8 15435 1 Motor (2 H.P., 60 Hz) 64 27001 1 Coupling (see diagram below) 17646 1 Motor (2 H.P., 50 Hz) 65 10012 6 Soc. Hd. Cap Screw (1/4-20 X 7/8 Lg.; Torque to 110 /120 in. lbs.) 9 27778 1 Square Key 7/8 Lg.; Torque to 110 /120 in. lbs.) 10133 3 Soc. Hd. Set Screw (#10-24 X 66 **207440 1 Coupling (see diagram below) 1/4 Lg.) 67 260023 1 90° Elbow Fitting **10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X .644 X .087) 1/4 Lg.) 69 18969 1 Tee Fitting 1 41838 1 Motor Mount 70 306957 1 Air Bleed Valve 2 43110 1 Valve Mounting Block 71 260021 1 Tube Extension 3 200395 1 Gasket 4 21345 1 Filter Assembly 5 16876 18 Machine Screw (#10-24 X 1/2 Lg.) 6 12356 18 Serrated Washer (#10 internal tooth) 7 60231WH2 1 Cover Plate (.104 Thk.) **60922 1 Cover Plate (.104 Thk.)				1" Lg.)	60	10386	1	Hex Nut (3/8-24 UNF)
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66 11814 1 Ball Bearing ***207440 1 Coupling (see diagram below) 7 260022 1 Straight Fitting 63 27003 2 Nylon Pin 8 15435 1 Motor (2 H.P., 60 Hz) 64 27001 1 Coupling (see diagram below) 9 27778 1 Square Key 7/8 Lg.; Torque to 110 /120 in. lbs.) 9 27778 1 Square Key 7/8 Lg.; Torque to 110 /120 in. lbs.) 0 10133 3 Soc. Hd. Set Screw (#10-24 X 66 **207440 1 Coupling (see diagram below) 1/4 Lg.) 67 260023 1 90° Elbow Fitting **10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X.644 X.087) **10133 3 Soc. Hd. Set Screw (#10-24 X 68 10527 1 O-ring (13/16 X.644 X.087) **2014 1 Motor Mount 70 306957 1 Air Bleed Valve 2 43110 1 Valve Mounting Block 71 260021 1 Tube Extension	25	23547	1	Top Bearing Plate	62	200396	1	Coupling (see diagram below)
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5 16876 18 Machine Screw (#10-24 X 1/2 Lg.) 200609 1 Drain Tube 6 12356 18 Serrated Washer (#10 internal tooth) (For PQ603S, 7 60231WH2 1 Cover Plate (.104 Thk.) PQ603S-50-220)	34							
6 12356 18 Serrated Washer (#10 internal tooth) (For PQ603S, PQ603S-115 & PQ603S-115 & PQ603S-50-220)	35					200609	1	Drain Tube
7 60231WH2 1 Cover Plate (.104 Thk.) PQ603S-115 & PQ603S-50-220)	36							(For PQ603S,
**60922 1 Cover Plate (.164 Thk.)	37							PQ603S-115 &
	,,							PQ603S-50-220)
o 30/12 I Covel Gasket "AFTEK AUGUST 1981	3.0						** ^ ГТ	ED ALICUST 1001
	20	30/12	ı	Cover dasket			AFI	EN AUGUST 1981

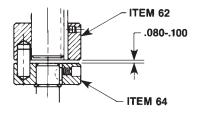
BOLT TIGHTENING SEQUENCE



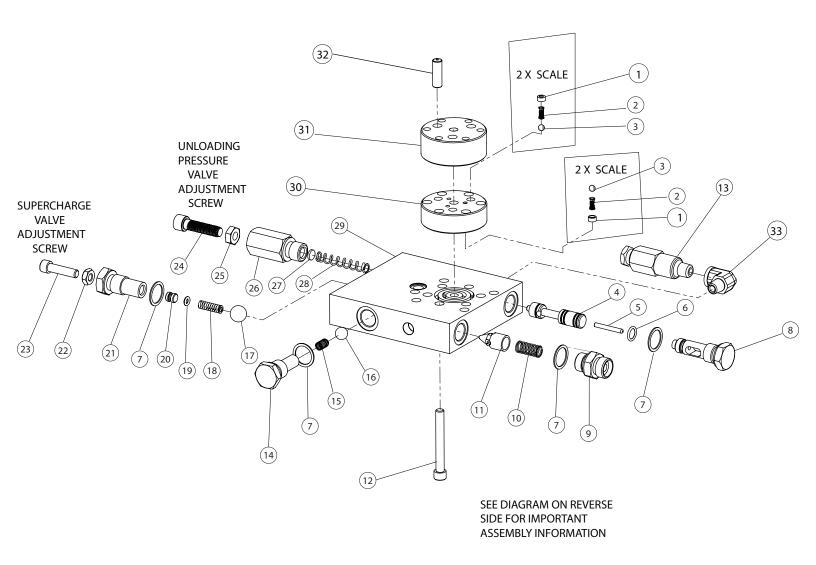
NOTE:

Bolts must be torqued in sequence shown. Torque to 110/120 in. lbs. in increments of 50/60 in. lbs.

COUPLING CLEARANCE



#41806 HIGH PRESSURE PUMP ASSEMBLY



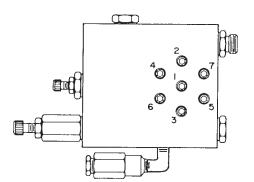
Note: Supercharge Valve and Unloading Pressure Valve of the high pressure pump assembly are <u>NOT</u> factory set! They require adjustment at final pump assembly. Refer to the pump's hydraulic schematic for specifications.

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Rev 9	Date: 30 October 2013

Item	Part	No.		Item	Part	No.	
No.	No.	Req'd	Description	No.	No.	Req'd	Description
1	*24549	6	Valve Guide	17	10379	1	Steel Ball (1/2" Dia.)
2	*10445	6	Compression Spring (5/32 O.D. X 3/4 Lg.)	18	15319	1	Compression Spring (1/4 O.D. X 3/4 Lg.)
3	*12223	6	Steel Ball (3/16" Dia.)	19	12099	1	O-ring (9/32 X 5/32 X 1/16)
4	200273	1	Spool	20	200271	1	Adapter
5	16471	1	Dowel Pin (1/8 X 1" Lg.)	21	200270	1	Super Charge Fitting (Torque to
6	14763	1	O-ring (7/16 X 5/16 X 1/16)				30/35 ft. lbs.)
7	10261	4	Copper Washer (3/4 X 19/32 X 1/32)	22	10383	1	Jam Nut (1/4-20)
8	202561	1	Actuating Pin Adapter (Torque to	23	10016	1	Cap Screw (1/4-20 UNC X 1" Lg.)
			30/35 ft. lbs.)	24	10809	1	Cap Screw (5/16-18 X 1-1/4 Lg.)
9	20770	-	Connector (Torque to 30/35 ft. lbs.)	25	10385	1	Jam Nut (5/16-18)
10	10425	1	Compression Spring (3/8 O.D. X 3/4 Lg.)	26	36545	1	Unloading Fitting (Torque to 30/35 ft lbs.)
11	20771	1	Poppet	27	16528	1	Disc
12	*15318	7	Cap Screw (1/4-28 X 2" Lg.; see diagram below)	28	203031	1	Compression Spring (.300 O.D. X 1-3/4 Lg.)
13	21278	1	Relief Valve Assembly (set at	29	*50691	1	Valve Body
			10,000/10,700 PSI)	30	*40630	1	Valve Head
14	200269	1	Adapter Plug (Torque to 30/35 ft. lbs.)	31	*41062	1	Pump Barrel
15	11451	1	Compression Spring (1/4 O.D. X	32	*21628	3	Piston (9/32 Dia.)
16	10378	1	5/8 Lg.) Steel Ball (3/8" Dia.)	33	13229	1	90° Elbow Fitting

When replacing items marked with an asterisk (*), contact Power Team Technical Services Department.

BOLT TIGHTENING SEQUENCE



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

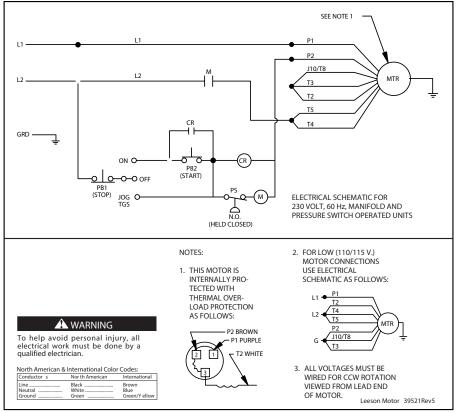
Refer to any operating instructions included with this product for detailed information about operation, testing, disassembly, reassembly, and preventive maintenance.

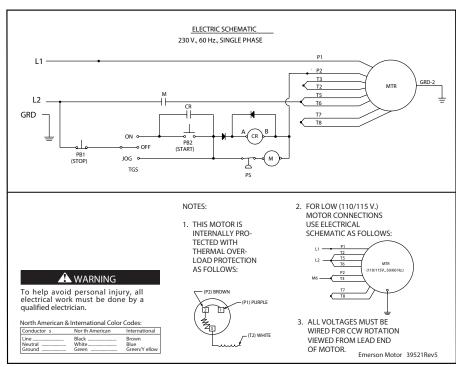
Items found in this parts list have been carefully tested and selected. Therefore: Use only genuine Power Team replacement parts!

Additional questions can be directed to our Technical Services Department.

ELECTRICAL SCHEMATICS

Pressure Switch Controlled Units 230 Volt, 60 Cycle





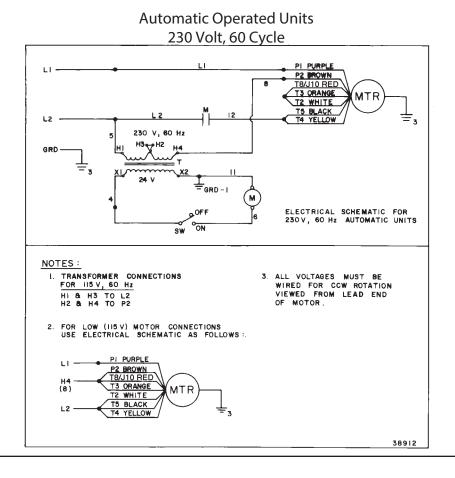
The following Voltage Conversion Kits are available to convert from 230 Volt to 115 Volt:

205735 - Manual Valve Operated 205736 - Solenoid Valve Operated 205737 - Pressure Switch Operated

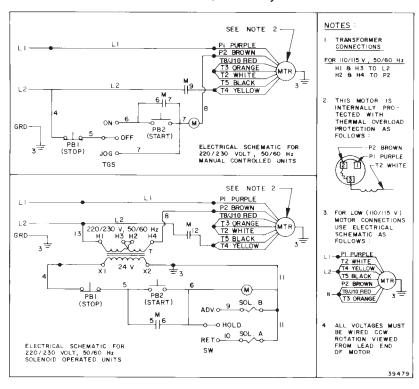
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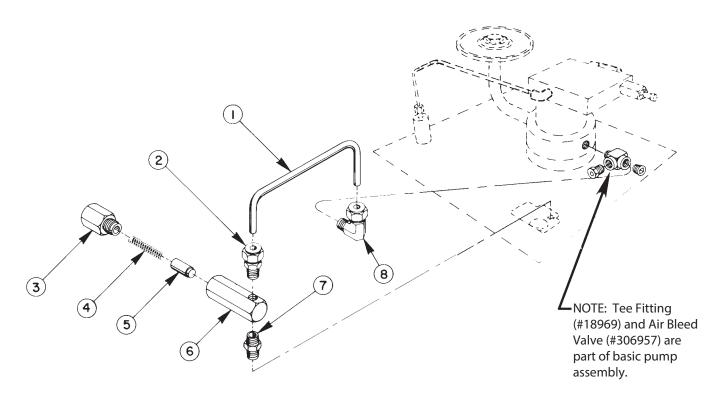
ELECTRICAL SCHEMATICS CONT.



Manual and Solenoid Operated Units 220/230 Volt, 50/60 Cycle



OPTIONAL PILOT OIL LINE / ACCUMULATOR ASSEMBLY



Item	Part	No.						
No.	No.	Req'd	Description					
1	200405	1	Oil Line					
2	11173	1	Connector					
3	202121	1	Spring Retainer (Torque to 50/70 in. lbs.)					
4	16499	1	Compression Spring (1/4 O.D. X 2-3/16 Lg					
5	21945	1	Plunger					
6	21944	1	Cylinder Body					
7	11421	1	Pipe Nipple					
8	11278	1	Connector					
	21943	1	Accumulator (Consists of Items 3, 4, 5, & 6)					
	21713	'	recultivated (consists of items 3, 4, 3, & 0)					

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Rev 9	Date: 30 October 2013