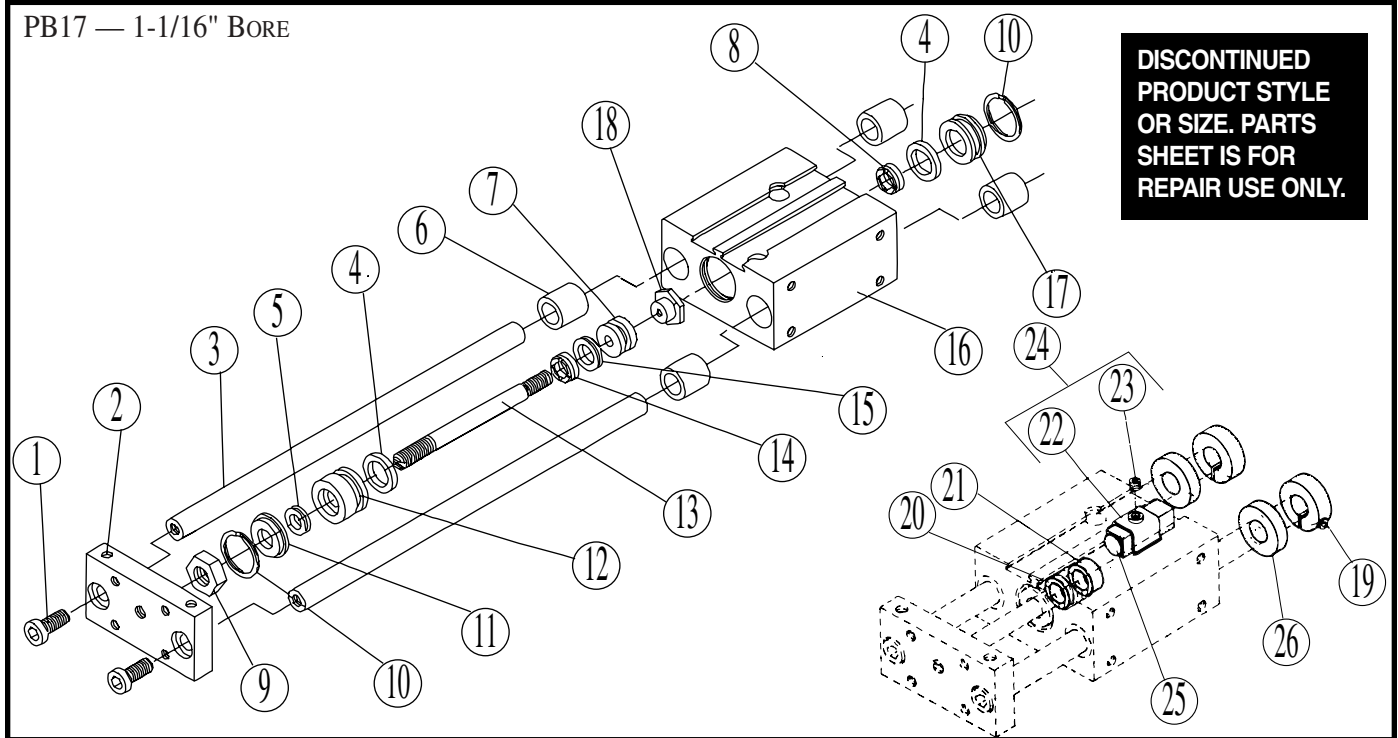


Power Block Rod Cylinder Slide

PB17 — 1-1/16" BORE



LIST OF PARTS

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty.
1.	0801-1251	Screw	2	17.	2517-1015	Cap	1
2.	2517-1001	Tooling Plate	1	18.	2517-1038	Lock Nut	1
3.	2517-1003	Guide Shaft, 1.0" Stroke	2	***19.	2312-1005	Shaft Collar	2
	2517-1004	Guide Shaft, 2.0" Stroke	2	20.	2403-1054	O-Ring (for use with Reed magnet)	1
	2517-1005	Guide Shaft, 3.0" Stroke	2	*21.	2517-1024	Hall Magnet	1
§ 4.	2317-1035	O-Ring	2		2517-1030	Reed Magnet	1
§ 5.	2317-1034	Wiper Ring	1	**22.	2503-1034	Switch Clamp	1
6.	2517-1025	Plastic Bearing	4	**23.	3600-1831	Set Screw	1
7.	2517-1013	Piston	1	24.	2506-9999	Switch Hardware Kit	1
§ 8.	2317-1032	Bumper	1	**25.	3600-9082	Switch, Reed Fm A, 5 M Wire	1
9.	1004-1050	Hex Jam Nut	1		3600-9083	Switch, Reed, Fm A, Male Conn.	1
10.	2517-1029	Retaining Ring	2		3600-9084	Switch, Reed, Fm C, 5 M Wire	1
11.	2517-1023	Steel Washer	1		3600-9085	Switch, Reed, Fm C, Male Conn	1
12.	2317-1029	Head	1		3600-9086	Switch, Triac, 5M Wire	1
13.	2517-1008	Piston Shaft, 1.0" Stroke	1		3600-9087	Switch, Triac, Male Connect	1
	2517-1009	Piston Shaft, 2.0" Stroke	1		3600-9088	Switch, Source, Hall-effect, 5 M Wire	1
	2517-1010	Piston Shaft, 3.0" Stroke	1		3600-9089	Switch, Source, Hall-effect, Male Cn	1
§ 14.	2317-1032	Bumper	1		3600-9090	Switch, Sinking, Hall-effect, 5 M Wire	1
§ 15.	2317-1095	Quad Ring	1		3600-9091	Switch, Sinking, Hall-effect, Male Cn	1
16.	2517-1016	Base, 1.0" Stroke	1	***26.	2312-1006	Bumper	2
	2517-1017	Base, 2.0" Stroke	1				
	2517-1018	Base, 3.0" Stroke	1				

* Magnet Option.

** Included in Switch Option Kit.

*** Included in Bumper Option Kit 2517-9002.

§ Contained in repair kit 2517-9016.

1. Unscrew and remove the Tooling Plate (#2).
2. Remove the Retaining Ring (#10) from the inside center bore of the Base (#16) and remove the entire piston assembly from the base.
3. Remove the Hex Jam Nut (#9) from the Piston Shaft (#13) and slide the Retaining Ring (#10), the Steel Washer (#11), and the Head (#12) off of the piston shaft and set aside.
4. Remove the O-Ring (#4) from the head and replace with a new o-ring.
5. Remove the Wiper Seal/O-Ring (#5) from the head. Fill the empty groove in the head with Magnalube®-G and place a new Wiper Seal/O-Ring into the groove.
6. Slide the Bumper (#14) and the O-Ring (#15) off of the piston shaft and replace with a new O-Ring and bumper.
7. At the other end of the unit, pry off the Retaining Ring (#10) and remove the Cap (#17).
8. Pry the Bumper (#8) out of the recess in the cap and throw away. Apply Loctite® #495 into the recess in the cap and press a new bumper into the recess.
9. Apply Magnalube®-G to the inside of the piston bore and slide the piston and shaft assembly back into the bore from the rear of the unit.
10. Place a thin coat of Magnalube®-G onto the Piston Shaft (#13) and slide the Head (#12) onto the shaft with the end containing the Wiper Seal/O-Ring (#5) facing away from the piston.
11. Slide the Steel Washer (#11) and Retaining Ring (#10) back onto the piston shaft and snap the retaining ring into the base.
12. Apply Loctite® #242 to the threads* of the Hex Jam Nut (#9) and replace onto the end of the shaft.
13. Apply Loctite® #242 to the screw holes in the Tooling Plate (#2) and assemble the tooling plate to the piston and guide shafts using the original screws (Torque to 36 -42 in.lbs.).
14. Push the cap back into the center bore in the base and replace the retaining ring in the groove behind the cap.
15. Switch Option

*Before applying Loctite be sure threads are free of oil.

NOTE: Form A Reed Switches should not be used in TTL logic circuits. A voltage drop caused by the L.E.D. indicator will result. For applications where TTL circuits are used, please contact the factory.

WARNING: An ohmmeter is recommended for testing Reed Switches. NEVER use an incandescent light bulb as a high current rush may damage the switch.

Reed and TRIAC switches are only recommended for signalling position, not directly powering solenoids. For shifting a solenoid, a relay or resistor is recommended between it and the Reed Switch. Switch ratings must not be exceeded at any time.

NOTE: The side of the switch with the groove indicates the sensing surface. This must face toward the magnet.

For complete Switch Performance Data, refer to the Tol-O-Matic Fluid Power Products Catalog # 9900-4000.

TO ORDER RETROFIT KITS:

SW(then the model number and base size, and code for type of switch needed.

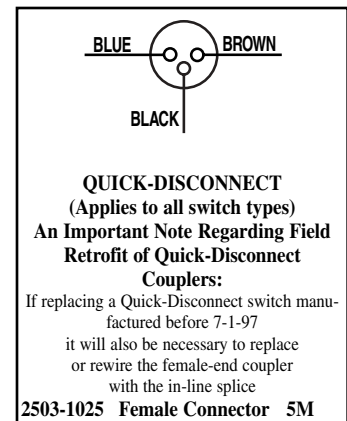
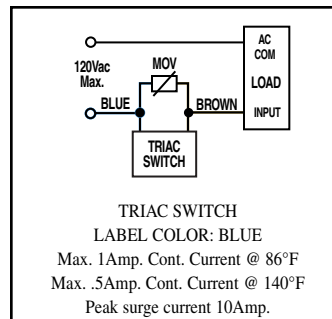
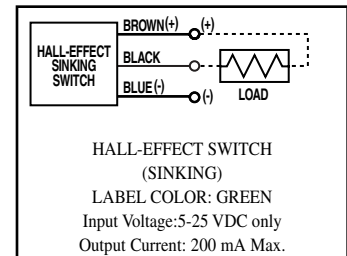
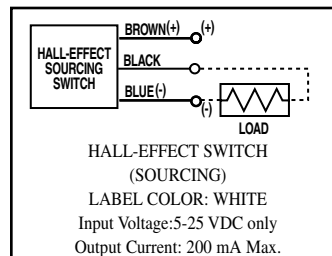
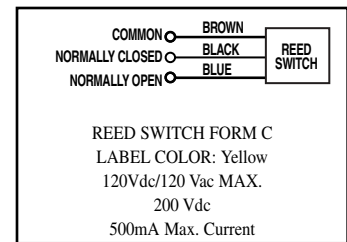
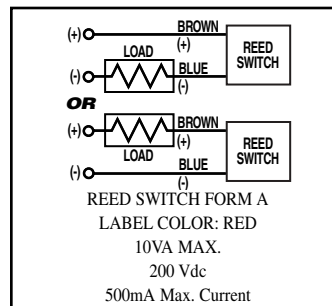
EXAMPLE: SWPB17BT

Where **SW** is the switch kit, **PB** is the model, **17** is the 1-1/16" size, and **BT** is a Form A Reed Switch with 5-meter lead.

All Switch Kits come with 1 switch and mounting hardware.

**HARDWARE ONLY KIT:
PB17 2506-9999**

CODE	SWITCH TYPE
BT	(Form C Reed Switch with 5-meter lead)
BM	(Form C Reed Switch with 5-meter lead and QD)
RT	(Form A Reed Switch with 5-meter lead)
RM	(Form A Reed Switch with 5-meter lead and QD)
CT	(TRIAC Switch with 5-meter lead)
CM	(TRIAC Switch with 5-meter lead and QD)
KT	(Hall-effect Switch (Sinking) 5-meter lead)
KM	(Hall-effect Switch (Sinking) 5-meter lead and QD)
TT	(Hall-effect Switch (Sourcing) 5-meter lead)
TM	(Hall-effect Switch (Sourcing) 5-meter lead and QD)



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