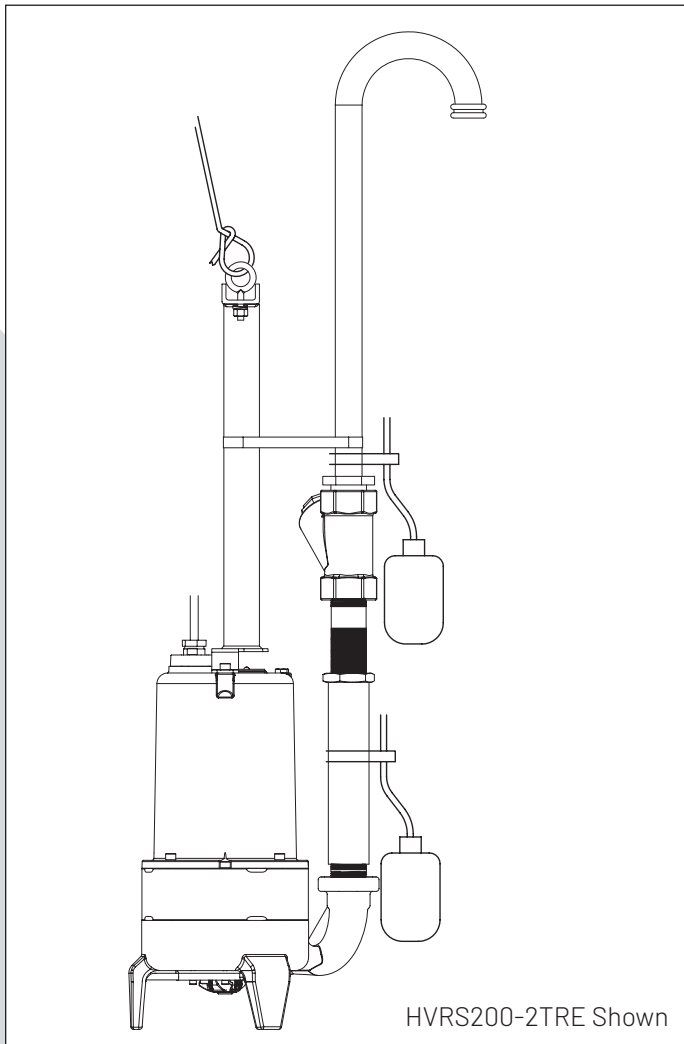


RETROFIT SYSTEMS

Models
HVRS200-2TRE
and HVRS200-2TREX

Engineered for quick and easy replacement
of existing progressive cavity grinder systems.



ENGLISH: PAGES 2-4

Installation and Service Manual

Fully assembled. Uses existing ball valve
and latch. Uses existing underground wiring
and alarm panel

NOTE! To the installer: Please make sure you provide
this manual to the owner of the equipment or to the
responsible party who maintains the system.



GENERAL INFORMATION

Thank you for purchasing your Hydromatic Retrofit System. To help ensure years of trouble-free operation, please read the following manual carefully. Reasonable care and safe methods should be practiced. Check local codes and requirements before installation.

WARNING: Before handling these pumps and controls, always disconnect the power first. Do not smoke or use sparkable electrical devices or flames in a septic (gaseous) or possible septic sump.

CALIFORNIA PROPOSITION 65 WARNING:

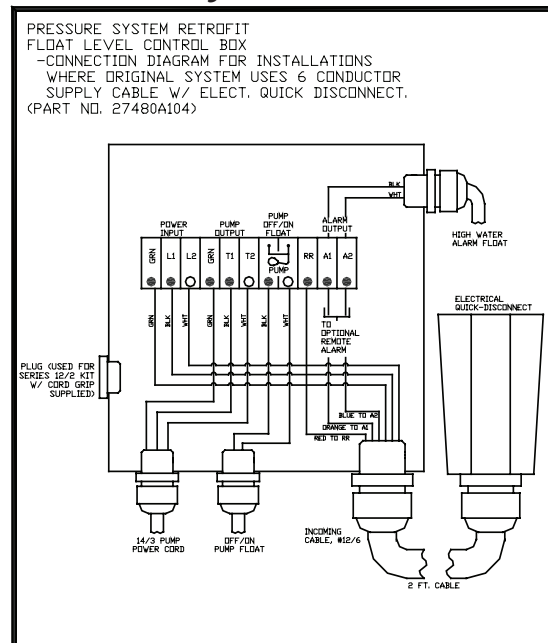
⚠ WARNING This product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

GRINDER INSTALLATION INSTRUCTIONS

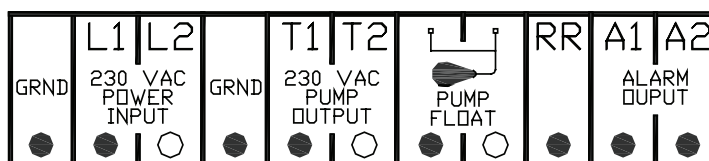
1. Remove existing pump and pipe system.
2. Make sure pump compartment is clean of any debris.
3. Make sure there is sufficient amount of power/control/alarm cord to be able to splice into Hydromatic power/control/alarm cords at the new junction box.
4. Lift pre-assembled unit into place using lift rope supplied.
5. Guide tabs will line up with existing alignment brackets. Retrofit system discharge piping should mate with existing female socket.
6. After gooseneck is lined up directly above ball valve socket, drop into place. Make certain that adapter is forced all the way into socket to ensure a pressure tight seal.
7. If gooseneck and T-handle do not seat evenly, adjust discharge piping length by loosening lock nut and rotating discharge piping until proper length is reached.
8. Rotate ball valve handle/latch to secure piping and open valve. If gooseneck is not completely forced into the female socket as described above, ball valve handle/latch will not close completely over gooseneck piping.
9. Route power, control cords, and high water alarm through junction box.
10. Properly calibrate operation of the unit by ensuring that liquid level in the basin is at its lowest level when control panel cycles unit off.

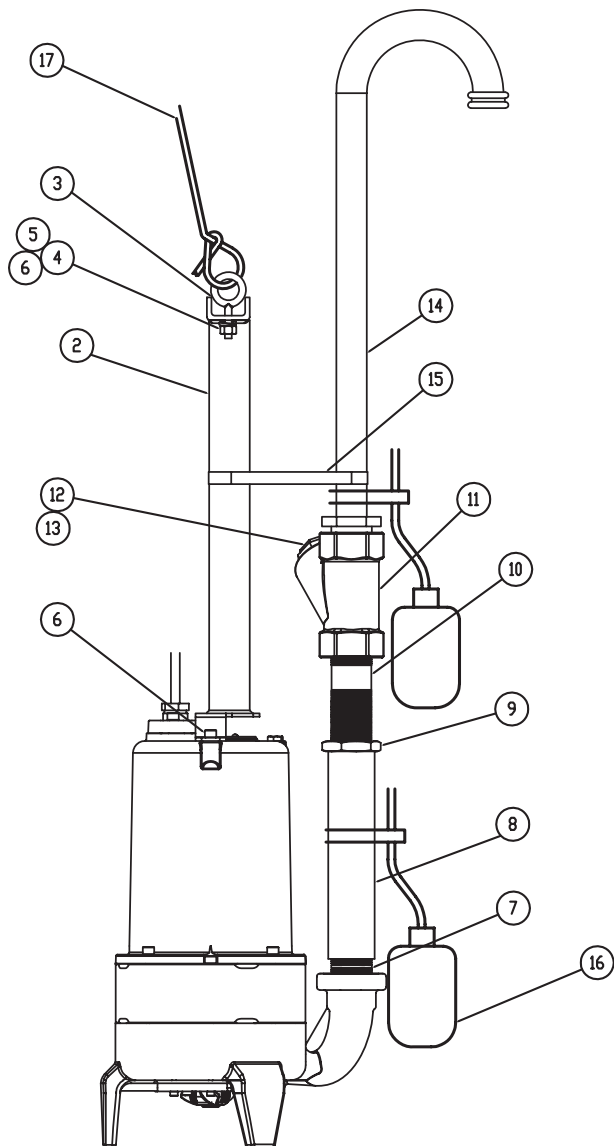
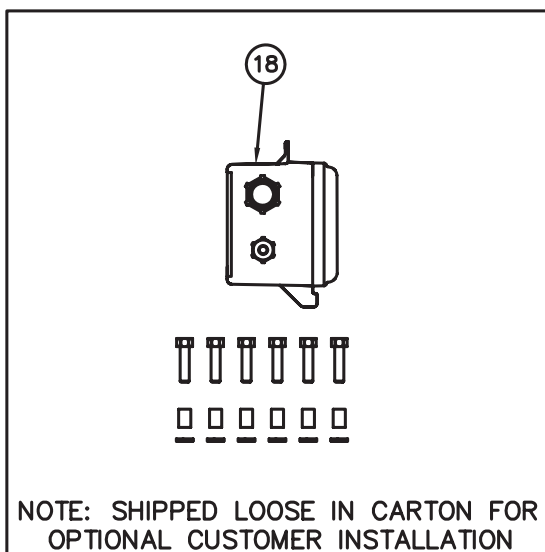
HYDROMATIC RETROFIT FLOAT CONTROL JUNCTION BOX WIRING DIAGRAM

Incoming 14/3 Power Cord



TERMINAL LABEL





PCF RETROFIT SYSTEM REPLACEMENT PARTS

ITEM	PART NO	DESCRIPTION	QTY
1	528350017	HVRS200M2-2	1
2	26517C015	ADAPTER - T-HANDLE	1
3	21929A012	BOLT - 3/8" SST	2
4	19109A018	NUT - 3/8" SST	2
5	05454A015	WASHER - LOCK 3/8" SST	2
6	001780081	SCREW - CAP 5/16-18 SST	2
7	05008A052	NIPPLE - 1-1/4" SST	1
8	28232B011	DISCHARGE PIPE - PUMP SIDE ADJUSTABLE	1
9	28232B003	PIPE LOCKNUT - 1-1/4" SST	1
10	28232B002	DISCHARGE PIPE - CV SIDE 1-1/4" SST	1
11	21903A012	CHECK VALVE - 1-1/4" BALL	1
12	05004A124	BUSHING - 1-1/2"MPT X 1 FPT	1
13	21903A100	ANTI SIPHON VALVE	1
14	22418A016	DISCHARGE PIPE - 1-1/4" SST	1
15	14740A019	HOSE CLAMP	1
16	27659A001	CONTROL FLOAT W/ CLAMP	2
17	23019252100	ROPE - 3/8" POLY	15FT
18	27480A104	PANEL / J-BOX, SQUARE PLUG	
	27480A105	PANEL / J-BOX ROUND PLUG	



HYDROMATIC® HV200 SERIES LIMITED WARRANTY

Pentair Hydromatic® warrants its HV and HVR series grinders against defects in material and workmanship for a period of 24 months from the manufacturing date, or 36 months from the manufacturing date with completion of a start-up report within 30 days of installation. Product must be properly installed, serviced and operated in compliance with the manufacturer's instruction manuals.

During the warranty period and subject to the conditions set forth, Pentair Hydromatic, at its discretion, will repair or replace to the original user, the parts that prove defective in materials and workmanship. Pentair Hydromatic reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for prior sold and/or shipped units.

Start-up reports and electrical schematics may be required to support warranty claims. Submit at the time of start-up through the Pentair Hydromatic website: <http://forms.pentairliterature.com/startupform/startupform.asp?type=h>. All seal fail and heat sensing devices must be connected, functional and monitored or this warranty will be void. Pentair Hydromatic will cover only the lower seal and labor thereof for all dual seal pumps. Under no circumstance will Pentair Hydromatic be responsible for the cost of field labor, travel expenses, rented equipment, removal/reinstallation costs or freight expenses to and from the factory or an authorized Pentair Hydromatic service facility.

This limited warranty will not apply:

- a) To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with the printed instructions provided;
- b) To failures resulting from abuse, accident or negligence;
- c) To failures resulting from excessive sand, lime, cement, gravel or other abrasive materials
- d) To failures caused by scale or corrosion build-up due to excessive hydrocarbons or chemical content
- e) To normal maintenance services and parts used in connection with such service;
- f) To units that are not installed in accordance with applicable local codes, ordinances and good trade practices;
- g) If the unit is moved from its original installation location;
- h) If unit is used for purposes other than for what it is designed and manufactured;
- i) To any unit that has been repaired or altered by anyone other than Pentair Hydromatic or an authorized Pentair Hydromatic service provider;
- j) To any unit that has been repaired using non factory specified/OEM parts.

Warranty Exclusions: PENTAIR HYDROMATIC MAKES NO EXPRESS OR IMPLIED WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. PENTAIR HYDROMATIC SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

Liability Limitation: IN NO EVENT SHALL PENTAIR HYDROMATIC BE LIABLE OR RESPONSIBLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM OR RELATED IN ANY MANNER TO ANY PENTAIR HYDROMATIC PRODUCT OR PARTS THEREOF. PERSONAL INJURY AND/OR PROPERTY DAMAGE MAY RESULT FROM IMPROPER INSTALLATION. PENTAIR HYDROMATIC DISCLAIMS ALL LIABILITY, INCLUDING LIABILITY UNDER THIS WARRANTY, FOR IMPROPER INSTALLATION. PENTAIR HYDROMATIC RECOMMENDS INSTALLATION BY PROFESSIONALS.

Some states do not permit some or all of the above warranty limitations or the exclusion or limitation of incidental or consequential damages and therefore such limitations may not apply to you. no warranties or representations at any time made by any representatives of Pentair Hydromatic shall vary or expand the provision hereof.