



PRODUCT/SERVICE BULLETIN

ISSUE DATE: April 28, 2003

RE: Hydraulic Solenoid Valve Identification and Replacement:

To ensure the correct room solenoid valve is replaced and to simplify diagnostics HWH is directing that both the Extend and the Retract solenoid valves are to be replaced when diagnostics indicate a solenoid valve problem.

FIRST: Identify which pair of solenoids controls the room (or other function) in question. The rooms are USUALLY numbered counterclockwise starting with the first room behind the driver. See FIGURE 1.

Solenoid valves on the power unit are USUALLY numbered from Right to Left when viewed from the motor end. See FIGURE 2A. (or FIGURE 2B for some 2002 and earlier models)

Check that the wires labeled ROOM 1 EXTEND or CYLINDER 1 EXTEND and ROOM 1 RETRACT or CYLINDER 1 RETRACT etc. are connected to the appropriate pairs of solenoids.

SECOND: Verify that the correct set of valves have been selected by unplugging the valves in question and operating the Room Control Switch of the malfunctioning room. If the pump operates, but the room does NOT move, the correct set of valves has been selected.

THIRD: Loosen the Valve Release Nut or T-Handle of the EXTEND valve. Loosen the Valve Release Nut or T-Handle of the RETRACT valve. Remove the EXTEND and RETRACT solenoid valves. Install the new valves and plug the wiring back into the valves.

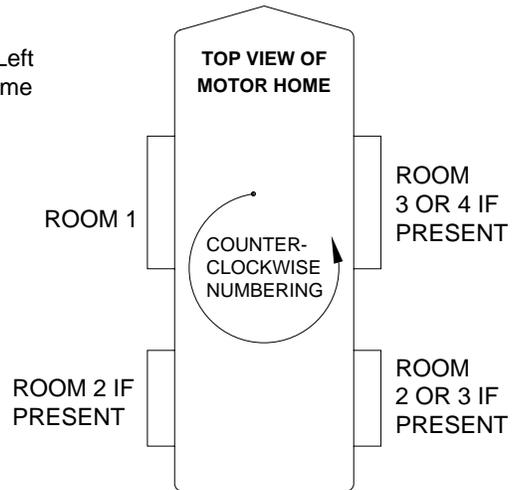


FIGURE 1

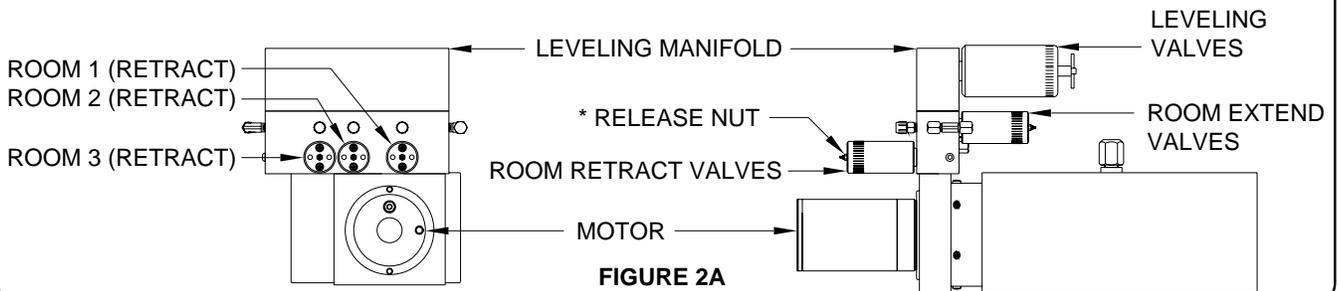


FIGURE 2A

* DO NOT loosen the Release Nut (Counter Clockwise) more than 4 and 1/2 turns. DO NOT over tighten when closing.

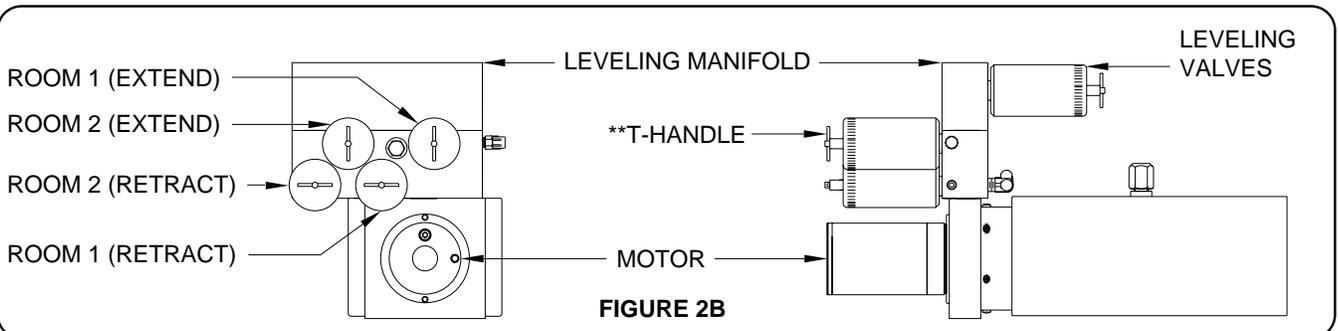


FIGURE 2B

** T-Handles should be turned (Counter Clockwise) 4 to 5 complete turns.