

## AutoMode Upgrade Installation

### Introduction

Level Best 2000, 2010, 3000, 3010 leveling and stabilizing systems with Monarch pumps may be upgraded to fully automatic operation with the installation of this upgrade kit. These systems can be recognized by the Monarch pumps, which are painted gray and do not have a control or black box and phone cord connection. Older systems with Henry pumps have an unpainted finish with control on pump and can not be upgraded with this kit. Some features on the Monarch pump may vary slightly from those pictured but the upgrade kit will work on all systems with Monarch pumps. Before beginning the upgrade, check the pump to be certain that the system can be upgraded.

### Level Best AutoMode Upgrade Kit includes:

- Level Best AutoMode Touchpad Control
- Touchpad Housing
- Level Sensor
- Level Sensor Cable
- Pressure Sensor
- Pressure Sensor Wiring Harness

### Inside the RV

Begin installation by inserting the small connector on the end of the Level Sensor Cable into the fitting on the Level Sensor.

Position and mount the Level Sensor, base side down, on any solid surface with the cable pointing toward the front of the RV. Check that there is enough cable to reach the Touchpad Control. Route the Level Sensor Cable cleanly to the Touchpad Control.

Remove the four corner screws of the Touchpad Control, lifting out the old Touchpad and Housing. Matching placement shown in the picture, insert the other end of the Level Sensor Cable into the back of the Touchpad Control included in the upgrade kit.



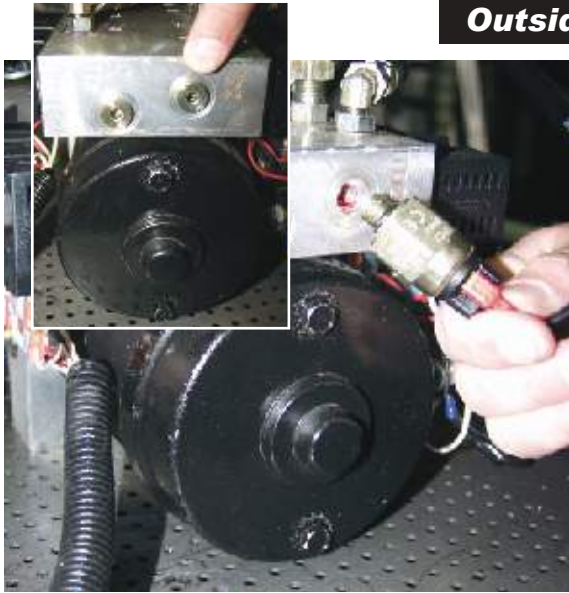
*Typical mounting locations for Level Sensor are under the driver seat or along side of the driver seat. Attach the Level Sensor to the solid surface in four corners using appropriate screws (not included.)*

Put the new Touchpad Control and Housing into the same location as the old one and tighten mounting screws.

This completes the upgrade process inside the RV. Complete the installation outside the RV



**Outside the RV**



**Install Pressure Sensor in Pump**

Fully retract all jacks to take the hydraulic pressure off the system. Use an Allen wrench to remove fitting from the TD2\* port. Insert threaded end of Pressure Sensor and tighten.

\* Pressure Sensor will work properly installed into ports P, PT2, PT3 or TD2. Use whichever has easy access.

*The Pressure Sensor wiring connection to the motor is made in one of two ways, depending on the type of connector on the pump.*

**Wiring Pumps with Yellow Tag**

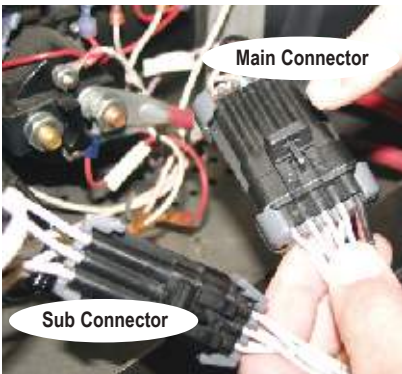
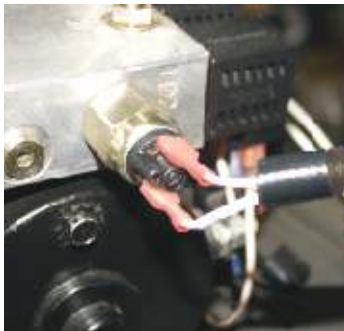
If the pump harness is marked with a yellow tag reading 'Manifold Pressure Switch Used on Auto Level Systems Only,' (see photo to the right) you do not need to use the Pressure Sensor Wiring Harness.

The Packard/spade connector on the pump harness will plug directly into the Pressure Sensor. Pumps with the yellow tag are complete at this point. Skip the rest of the installation instructions. Please see NOTE below.

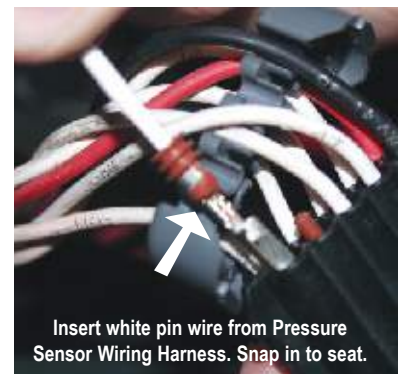
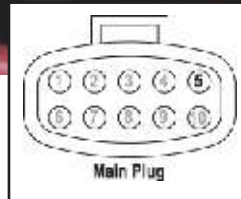
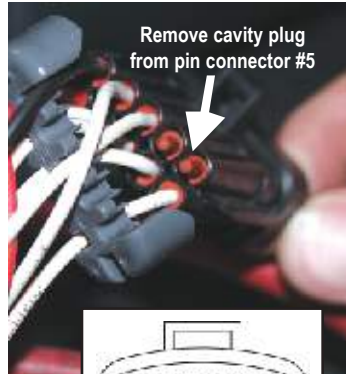


**Wiring Pumps without Yellow Tag**

If the motor harness does not have the yellow tag, use the Pressure Sensor Wiring Harness to make the connection using the spade connectors on the harness (see photo to the left). It does not matter which spade connector goes on which spade receiver spade.



Open Main Connector and release gray wire guard by lifting up on one corner and then the other. Slide wire guard up and away from pin connections. Pull cavity plug out of the #5 pin connector and insert white pin wire connector from Pressure Sensor Wiring Harness in its place. It will snap in to place when properly seated. Reposition the wire guard and close the Main Connector.



**NOTE: The upgrade is now complete. Please, refer to the Operating Guide for instructions on how to operate the system in fully-automatic, semi-automatic, and manual modes. If needed, be sure to allow enough time for the system to warm up.**

Securely ground white wire marked "Ground" on the Pressure Sensor Wiring Harness, as pictured. Installation is complete. See NOTE.

