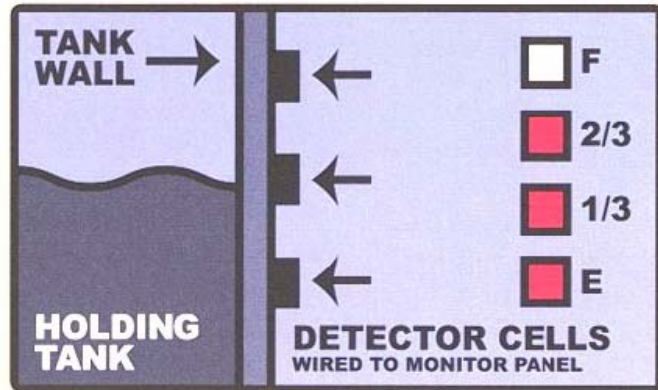


TRUELEVEL MONITORING SYSTEM

Winnebago Industries' exclusive TrueLevel™ holding tank-monitoring system determines the level of fluid in a tank from outside the tank.

TrueLevel incorporates Mirus™ detector cell technology to ensure accurate fresh and wastewater tank level readings. Mirus™ detector cells are located on the outside of the tank and produce a microelectrical field that detects liquid levels.

There are no more probes to corrode or clog. Just true, accurate fresh and wastewater tank level readings, time after time.



The TrueLevel holding tank monitoring system is standard on all 2005 Winnebago and Itasca motor homes.

Aftermarket Installation of TrueLevel Tank Monitoring System

For models that can be retrofitted, refer to the Parts List on the next page.

In all instances, the green circuit board on the monitor panel will need to be replaced with the proper new red circuit board. Non-contact sensors will need to be installed on the tank.

- With non-contact sensors, all metal wires and harnesses must be kept ¼" to ½" away from sensors to prevent interference of sensor operation.
- Coaches with inside and outside monitor panels need to use diode harness assemblies. Both the inside and outside circuit boards must be replaced. Installation times will vary between models due to sensor location accessibility.
- After TrueLevel system is installed, a condition may exist on some models where certain lights on the monitor panel that should be off may have a soft background glow. To correct this condition, take the GL (ground wire) from the sensor pads and tie all together and run to the 15-pin connector. Then cut the JP wire (pin #3) within 4" of the connector and tie the short JP and the new wire from the sensor pads (GL) to another wire, which will run to a frame ground point. Refer to the wiring diagram.

If you would like to purchase parts for any of these aftermarket installations, please contact your authorized Winnebago Industries dealer for assistance.

True Level Non-Contact Sensor Change Out - Quick Reference

Part Number	Description	QTY Required
<u>C-Body - 2001 thru 2005 (up to 5/04)</u>		
134940-06-700	PC Circuit Board (Red)	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
<u>D-Series – 2001 thru 2005 (up to 5/04)</u>		
134940-06-700	PC Circuit Board (Red)	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
<u>F-Series – 2001 thru 2005 (up to 5/04)</u>		
134940-06-700	PC Circuit Board (Red)	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
<u>G-Series – 2000 thru 2005 (up to 5/04)</u>		
133004-05-701	PC Circuit Board (Red)	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
<u>L-Series – 2000 thru 2004</u>		
133004-05-701	PC Circuit Board (Red)	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
<u>P-Series – 2000 thru 2005 (up to 5/04)</u>		
133004-05-701	PC Circuit Board (Red)	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
<u>S-Series – 2004 & 2005 (up to 5/04)</u>		
133004-05-701	PC Circuit Board (Red) f/Main Monitor Panel	1
129561-02-700	PC Circuit Board (Red) f/Aux Monitor Panel	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
151808-01-000	Diode Harness – f/Gray Water	1
151808-02-000	Diode Harness – f/Black Water/Fresh Water	2
<u>Q-Series – 2000 thru 2004</u>		
133004-05-701	PC Circuit Board (Red) f/Main Monitor Panel	1
129561-02-700	PC Circuit Board (Red) f/Aux Monitor Panel	1
151316-06-000	Sensor for Gray Water Tank – 78.6” lead	1
151317-05-000	Sensor f/Blk Water/Fresh Water Tank – 70.8” lead	2
151808-01-000	Diode Harness – f/Gray Water	1
151808-02-000	Diode Harness – f/Black Water/Fresh Water	2

NOTE: All sensor wiring must be kept at least ¼” to ½” away from any metal objects to prevent Interference.

NOTE: “S” & “Q” series coaches must use all required parts for function.

NOTE: 2000 model year L-Series L37W & L36L and 2000 model year Q-Series models Q36C, Q40J & Q40JD with monitor panel base part #121148 do not have True-Level (red) circuit boards available.

