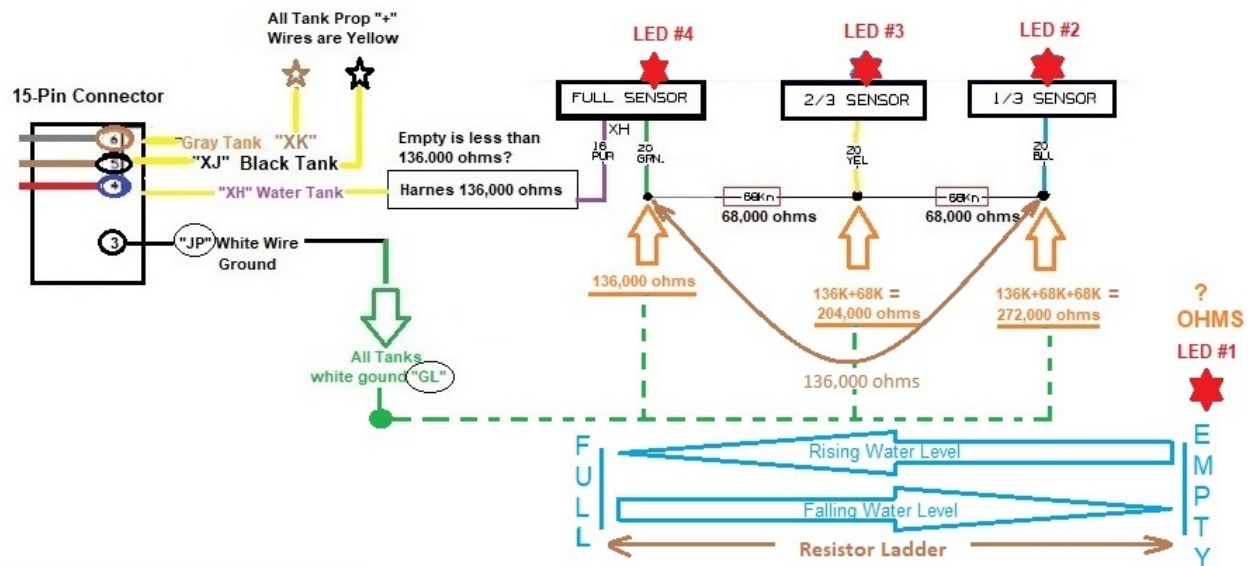
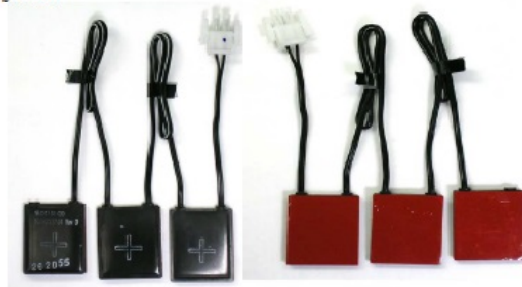


Winnebago "TrueLevel" (Mirus) Holding Tank Sensor Information



Front and Rear Views of typical Winnebago sensors



Wire Assembly

151317-01-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 3.9"

151317-02-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 23.6"

151317-03-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 43.2"

151317-04-000 Wire Asm. w/Non-Contact Sensors,

Fresh Water, Blk. Tank, 62.9"

151317-05-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 70.8"

151317-06-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 78.6"

151316-01-700 Patch/Adhesive f/Sensors

When Winnebago came out with their "TrueLevel System" after April-2004, they introduced the so-called "Red Circuit Board" and started using Mirus™ non-contact sensors. Here is some information taken from the attached Mirus Technical Specifications that should also apply to all green and red circuit boards in service:

Operating Specifications

- Sensor power voltage: 5 volts +/- .5 volts DC applied to the sensor leads at all times. Positive voltage applied to the black-with-white-stripe wire unless otherwise directed.
- Sensor quiescent current (non activated set): approx. 20 micro amps per sensor.
- Sensor sink current (activated): approx 2.5 ma. per active sensor.

➡ Therefore, when you press a holding tank button, only 0.05 micro amps more current is being passed through the sensors; and since the circuit board uses comparators to differentiate output signals, the circuit has a hard time working at these very low current levels; and sometimes you will get an erroneous reading.

Winnebago "TrueLevel" Upgrade to Red Circuit Board w/ Modification Notes



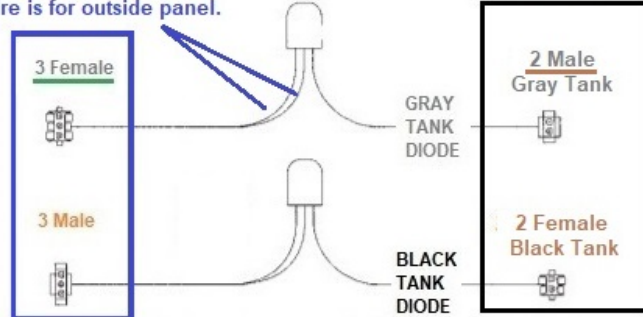
Wire Assembly

151317-01-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 3.9"
 151317-02-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 23.6"
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 151317-06-000 Wire Asm. w/Non-Contact Sensors, Fresh Water, Blk. Tank, 78.6"
 151316-01-700 Patch/Adhesive f/Sensors

Connect at monitor circuit board... 1 wire is for inside panel and 1 wire is for outside panel.

Diode is forward bias???

Located Behind Water Center Panel (Outside Compartment)



Wire Adapter w/Diode Pack

(Used with no contact sensor system w/2 monitor panels)

151808-01-000 Wire Adapter w/Diode Pack-2 Male & 3 Female Socket, Gray Tank
 151808-02-000 Wire Adapter w/Diode Pack-2 Female & 3 Male Socket, Black Tank

TrueLine Upgrade Parts

S-Series – 2004 & 2005 (up to 5/04)

133004-05-701	PC Circuit Board (Red) f/ <u>Main Monitor Panel</u>	1
129561-02-700	PC Circuit Board (Red) f/ <u>Aux Monitor Panel</u>	1
151316-06-000 ?	<u>Sensor</u> for <u>Gray</u> Water Tank – 78.6" lead	1
151317-05-000	<u>Sensor</u> f/ <u>Blk</u> Water/ <u>Fresh</u> Water Tank – 70.8" lead	2
151808-01-000	<u>Diode</u> Harness – f/ <u>Gray</u> Water	1
151808-02-000	<u>Diode</u> Harness – f/ <u>Black</u> Water/ <u>Fresh</u> Water	2

2004 Itasca Horizon 40AD Monitor Panel

(Fits many other models and years that came with a digital LCD Voltmeter.)

Monitor Panel

LA1047 * Pre-April 2004 Horizon 40AD

133004-02-01A Monitor-Panel 2

Tank Digital w/Solar Panel

100258-10-701 Gauge Hour Meter,

Clip On, LCD, Clip On

133004-01-701 Switch/DPDT On-

On/Maintained

133004-01-702 Switch/DPDT

Mom/On/Off/On

133004-01-703 LED, Red-Panel

Mount

133004-01-704 Meter Digital Panel

133004-01-705 Switch, SPNO Mom On/Off Push

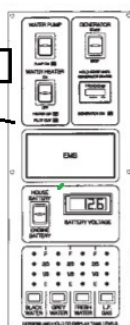
133004-01-706 LED, Green-Panel Mount

133004-02-700 Board-PC Green Board# L5113-03 or -04

133004-02-701 Screened-Chassis

100258-10-01A Gauge-Hour Meter w/Switch-LCD,

Screw On



Winnebago calls for a Ventline PC Board #L5130-02, but you may find different part numbers for your coach model, depending on the type of your monitor panel.

Ventline Pre-2004 "Green" PC Boards (Part #: L5113-04) were replaced in 04/2004 with Ventline "Red" PC Boards (Part #: L5130-xx, Rev x)



Winnebago "TrueLevel" Upgrade + Non-contact Sensors
Ventline #L5130-00, Rev X (aka "Red Circuit Board" placed in service after April-2004.



RecPro Water Level Sensors | 6 Sensors

Price: \$12.95

This type of probe we commonly used prior to 2004



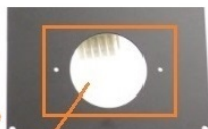
Non-contact Probe

Upgrade - Add Horst Miricle Probe

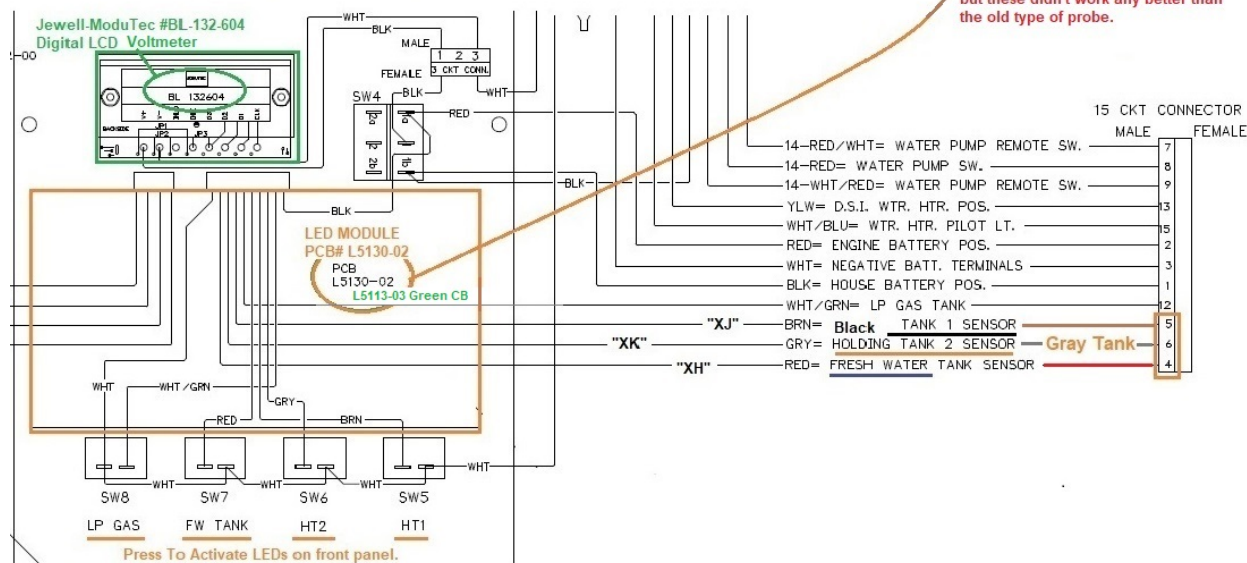


In late 2004 Winnebago came out with Non-contact probes that did not physically touch the fluid in the tank, but these didn't work any better than the old type of probe.

Bedroom
Heater
Thermostat
Mounted Here



2004 Itasca Horizon 40AD Schematic





CONTROL SYSTEM LABS

Where industry sends controls for repair

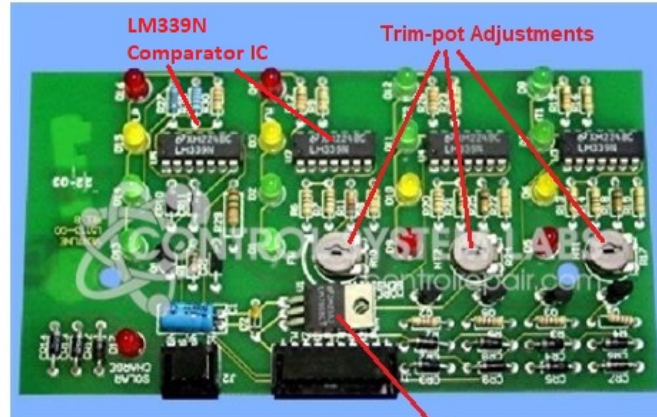
(716) 836-2100

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[Home](#) > [Categories](#) > [Control Card Or Module](#)

Winnebago Circuit Board Part Number: 133004-02-700

Ventline L5113-00 Printed Circuit Board



Repair Price: \$280.00

[Repair Now](#)

CSL Part Number: 54234

Category: [Control Card Or Module](#)

Manufacturer: [Ventline](#)

Manufacturer Part Number: L5113-00

Description: Printed Circuit Board

Use L5113-03 for correct Model Number when sending in for repair.

Synonymous Model Numbers / Aliases: L511300, L5113_00, L5113 00,