



Highland
RIDGE RV



LP Tank Wiring – Fuel Sender and Solenoid

Bulletin Type:	SRP	Publication Date:	December 2021
Bulletin #(s):	21-025	Make(s):	Jayco & Entegra
Job Code(s):	Repair for the #1 LP Tank Switch Relay should not exceed .25 hour	Model(s):	All 20A & 20T Ethos All 20A & 20T Swift
Flat Rate(s):	Repair for the #2 LP Tank Wiring should not exceed .25 hour	Model Year(s):	2021-2022

Incident:	LP Tank is full but showing empty on Vega Touch panel		
Affected Units:	2021-2022 Jayco Swift & 2021-2022 Entegra Ethos		
Parts List:	(4) CONNECTOR, 16-14GA WP BLU BUTT SPLICE NYLON SLEEVE SBB-1 (Purchase locally) (1) CONNECTOR, SPLICE 2 WIRE CLR PLSTC WAGO 10-20GA (Purchase locally)		
Misc. Tools & Supplies:	Wire Cutter/Strippers	½" Wrench	
	Wire Crimpers	½" Socket with Ratchet	
	Butane Torch	Phillips Screwdriver	
Parts Return Information:	N/A		

INSPECTION FOR VEGA TOUCH MONITOR PANEL WIRED INCORRECTLY

- Please read the following instructions thoroughly before starting the repair. If you have any questions, contact Jayco customer service department.
 - Introduction:
 - This document will guide you through the repairs for the LP Tank switch relay and wiring that has appeared due the LP tank being full but showing empty on the Vega Touch panel.

1. Check Firefly Home Screen to ensure LP Pressure Gauge is functioning correctly. Complete repair #1 & #2 if LP tank is full but is showing empty on the Vega Touch panel. Only complete repair #2 if the LP Pressure Gauge shows “Disc” (Figure 2).



Fig 1



Fig 2

VISUAL INSTRUCTIONS FOR VEGA TOUCH WIRING REPAIR

1. Repair for LP Tank Switch Relay

- A. Remove cushions from passenger side bed and set aside for installation later.
- B. Remove bed board from passenger side. Save the 7 fasteners for installation later.
 - i. **Note:** With the bed board fasteners removed, it needs to be moved forward to access wiring behind fuse block. (Figure 3)
- C. Remove the relay to gain access to the wiring
 - i. Relay for RT unit will be located behind the power center at the back of the bed shown in Figure 4.
 - ii. Relay for RA unit will be located behind the power center in the middle of the bed which is shown in Figure 5.



Fig 3

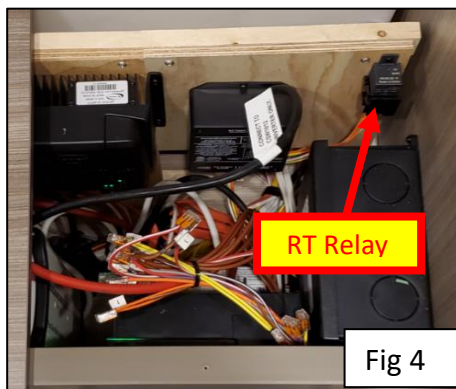


Fig 4

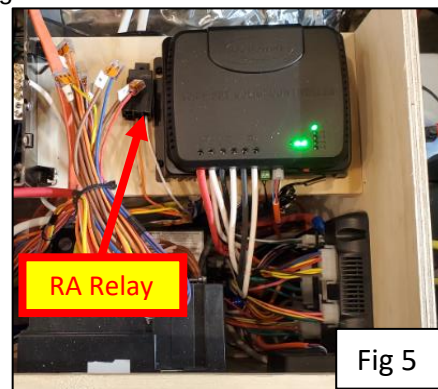


Fig 5

- D. Cut the Orange Wire w/Red Tape and the Yellow Wire inserted into the relay. See Figure 6.
- E. Strip the cut wires on the harness side and insert into a two conductor WAGO connector.
- F. Re-install relay, bed board, 7 fasteners, and cushions.



Fig 6

2. Repair for LP Tank Wiring

- A. Pull vehicle onto hoist and raise unit to a comfortable working height.
- B. Locate wire connections at LP Tank (Figure 7) and ensure they are wired:
 - i. Orange to Purple at Solenoid
 - ii. Brown to Black at Solenoid
 - iii. Orange w/Red Tape to Black at Gauge
 - iv. White to Black at Gauge

Electrical connections shown
installed incorrectly

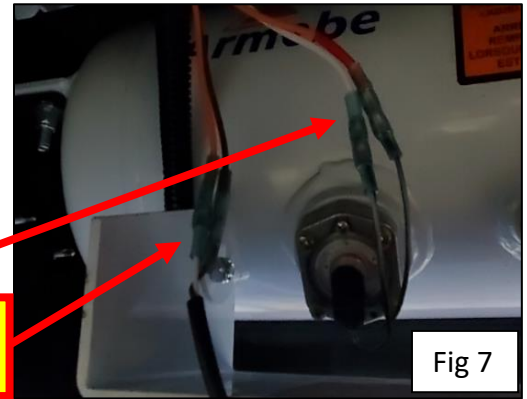


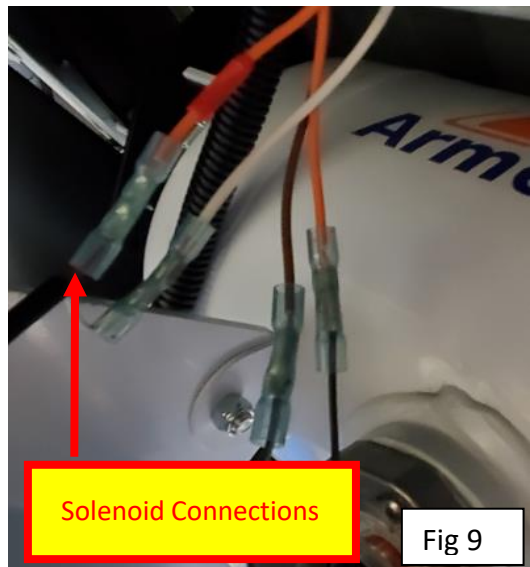
Fig 7

- C. Cut wiring and remove existing splice connector. (Figure 8)



Fig 8

- D. Re-connect wiring with 16-14GA Butt Splice Connector (Figure 9)
 - i. Orange to Black at Gauge
 - ii. Brown to Black at Gauge
 - iii. Orange w/Red Tape to Purple at Solenoid
 - iv. White to White at Solenoid
- E. Using a butane torch, heat shrink the 16-14GA Butt Splice Connector.
- F. Verify functionality by reviewing Firefly to ensure LP pressure is reading. If not, the gauge may have been damaged. If damaged, please contact your service representative for repair instructions and parts to replace.



Solenoid Connections

Fig 9

Jayco's sole obligation under our limited warranty is to repair or replace defective materials and/or workmanship deemed our responsibility as determined by Jayco in our sole discretion. Jayco reserves the right to use new and/or remanufactured parts or materials of similar quality to complete any work, and to make parts and/or design changes as appropriate without notice to anyone. Jayco designs and/or materials changes are done without obligation to incorporate such changes in previously manufactured product. Jayco makes every reasonable effort to ensure field remedies will not adversely affect performance and/or safety of the unit. This field remedy is not intended to extend to future performance of this RV, or any of its materials, components or parts beyond the standard warranty period. The RV owner's obligation to notify Jayco, or one of its independent, authorized dealers, of a claimed defect does not modify any obligation placed on the RV owner to contact Jayco directly when attempting to pursue remedies under state or federal law. Jan. 2019.

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