



Thor Motor Coach Technical Service Bulletin

TSB #	TSB 20-07		
Description/Title:	Auto Gen Start		
Affected Product Line(s):	Certain model year 2020/2021 Chateau Citation, Delano, Siesta, Synergy, Tiburon (From Units 12855 to 14524)		
Service Campaign # :	RC000195	Released Date:	1/25/2021
Codes:	TMCTS80264W	Document Date:	1/25/2021
Time Allowed:	0.75	Document Revision:	A

Issue:

Procedure for retrofitting units with an Onan 3.2 kW diesel generator to have hour meter function with Firefly system.

Tools Required:

Wire strippers
 Screw gun or drill
 Square bit
 Flat head bit

Part(s) Required:

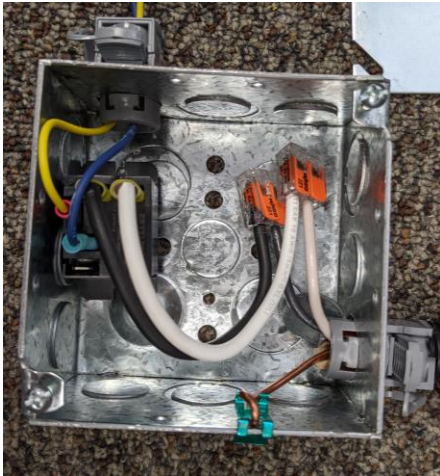
TMC Kit #0494817

Shop Supplies

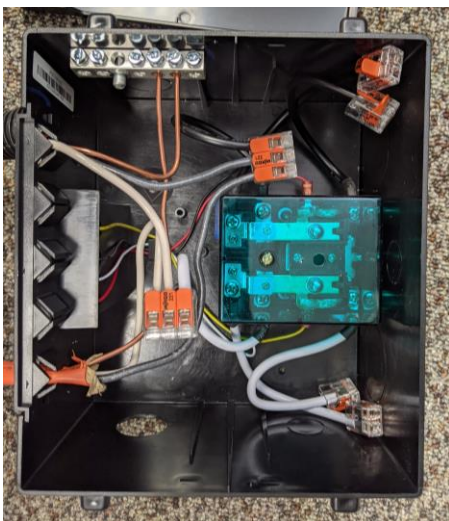
(3) #8 x 3/4" Self-tapping Screws

Instructions:**120 VAC**

1. Turn off the generator breaker and unplug the shore power cord.
2. Find a place for the junction box (attached to the retrofit kit) and fasten it to an open surface near the transfer switch with one of the screws.



3. Route the orange jacketed 120V romex (attached to the retrofit kit) over to the transfer switch and through one of the strain reliefs in the side to get it inside the box. The WAGO connectors may need to be removed and reattached to fit the romex through the transfer switch strain reliefs.
4. Inside the transfer switch, locate the generator hot (black) wires.



5. Remove the WAGO connector or wire nut from those wires.
6. Put those two wires into the WAGO connector on the black wire of the retrofit romex.

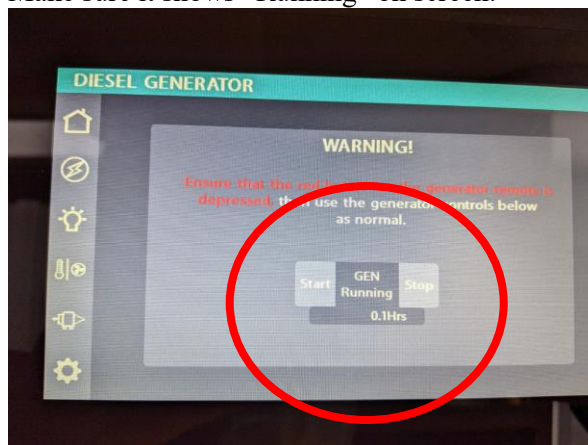
7. Be sure to put each of the wires into their own opening in the WAGO connector and then flip each lever down.
8. Inside the transfer switch, locate the generator neutral (white) wires.
9. Remove the WAGO connector or wire nut from those wires.
10. Put those two wires into the WAGO connector on the white wire of the retrofit romex.
11. Be sure to put each of the wires into their own opening in the WAGO connector and then flip each lever down.
12. Insert the bare copper ground from the retrofit romex into an open spot in the terminal strip located inside the transfer switch and tighten the terminal screw.

12 VDC

1. Run the yellow wire from the junction box (attached to the retrofit kit) into the fuse panel in the load center and connect it to circuit 9.
2. Insert a 5 amp fuse into the fuse location for circuit 9.
3. Run the blue wire from the junction box (attached to the retrofit kit) to the Firefly multiplex board.
4. Cut the blue wire coming from J13 pin 6 (6 position connector) about 6" away from the board. Connect the blue wire from the retrofit kit to the cut blue wire coming from the board.
5. Tape off the other side of the cut blue wire.

How to test that junction box is properly installed:

- a. Start the generator
 - a. Make sure it shows "Running" on screen.



- b. If it shows “Stopped,” it is not working properly. Re-visit previous steps to ensure junction box was properly installed

