



Disconnect Switch – Wiring

Bulletin Type:	Technical Service Bulletin TSB	Publication Date:	August 2020
Bulletin #(s):	20-017	Make(s):	Jayco
Job Code(s):	9801511A Inspect ONLY .2 9801511B Inspect and Repair .75	Model(s):	White Hawk Jay Feather
		Model Year(s):	2020-2021

Incident:	Wiring of the Disconnect Switch may be incorrect.
Affected Units:	Please see Unit Listing at end of Instructions
Parts Kit:	Parts Kit #: 20-017J
	Parts Kit Contents: (2) large blue wing nuts
Misc. Tools & Supplies:	12-volt DC capable multi-meter 12-volt DC battery or battery jump pack 120-volt AC power source (to plug trailer into) Wire strippers Screw gun with square and Phillips tip bits Flashlight or external light source

INSPECTION

The following 2-part inspection/diagnostic is required to:

- Determine if the electrical connection between the trailer 12-volt power converter and the trailer 12-volt battery remains connected when the disconnect switch is turned to the “OFF” position.
- Determine if the disconnect switch properly interrupts power between the 12-volt fuse panel and the trailer 12-volt battery.
- Determine if the disconnect switch properly interrupts power between the 12-volt fuse panel and the trailer 12-volt power converter.

Part 1

1. Connect a charged 12-volt battery or 12-volt jump pack to the trailer (if a trailer battery was not previously installed).
NOTE: Make sure the battery is correctly connected; positive to positive (red); negative to negative (black).



2. Turn the battery disconnect switch “ON”

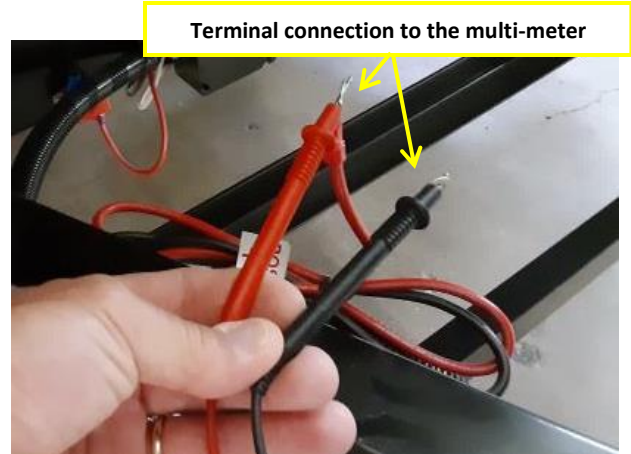
NOTE: The battery disconnect switch will be located in the front storage compartment. If the unit does not have a battery disconnect switch, it **does not** require inspection or repair.



3. Turn “ON” trailer awning or living area ceiling lights.
4. Turn the trailer disconnect switch “OFF” and verify awning or living area ceiling lights turn “OFF”.
 - **If lights remain illuminated, proceed to repair instructions.**
 - **If lights turn “OFF” proceed to Part 2**

Part 2

1. Disconnect 12-volt battery (or 12-volt jump pack) from trailer (if trailer battery was previously installed).
2. Plug the trailer into 120-volt power.
3. With disconnect switch in the "OFF" position use multi-meter to verify voltage at disconnected battery cables reads a nominal 13.6 volts DC.

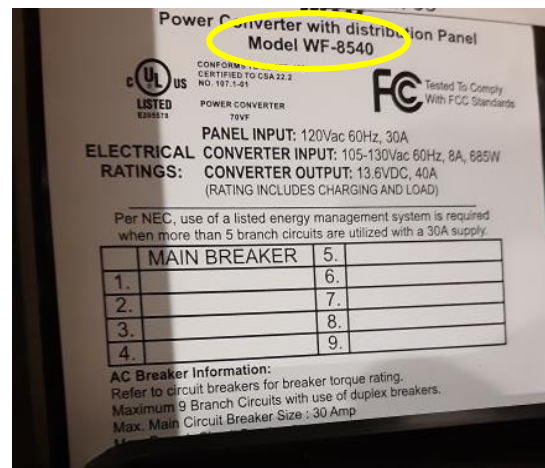


- If nominal 13.6 volts not present proceed to repair instructions.
- If nominal 13.6 volts present during Diagnostics Part 2, and if lights properly turned "ON" and "OFF" during Diagnostics Part 1, the disconnect switch is wired correctly and no repair required.



INSTRUCTIONS

To determine which converter model is in your unit, locate the converter and open the converter door. The label inside the converter box will have the model listed at the top. Proceed to the correct repair instruction according to the model number on the label.



Repair process for WF-8735 power converter assembly

1. Disconnect the trailer 120-volt power cord and 12-volt battery (if applicable). You will need to use an alternate light source.
2. Locate the power converter. Loosen the (4) screws holding front cover/door assembly on WF-8735 power converter.
NOTE: Typically, the screw(s) are a capped screw that will not come completely out of the cover/door assembly.



3. Remove the (4) screws attaching power converter assembly to wall or cabinet. Pull the power converter assembly out of the wall or cabinet.



4. Locate Pink 10-gauge and Orange 10-gauge wires exiting rear of power converter housing.
5. Determine the wire configuration for the unit you are repairing from the following detail and photos. Take a photo or document the current wire configuration as a reference to help insure you are connecting the correct wires during the repair.

NOTE: Wire colors may vary between units. Refer to both wire configurations before starting the repair so you can determine the correct repair.

Wire configuration 1 (see photos)

Original connection

Converter Pink 10-gauge wire connected trailer with the Black 10-gauge wire, **AND**
Converter Orange 10-gauge wire connected with the trailer Red 10-gauge wire

Change the wire connections so that:

Converter Pink 10-gauge wire connects with the trailer Red 10-gauge wire, **AND**
Converter Orange 10-gauge wire connects with the trailer Black 10-gauge wire

Wire configuration 2 (not shown)

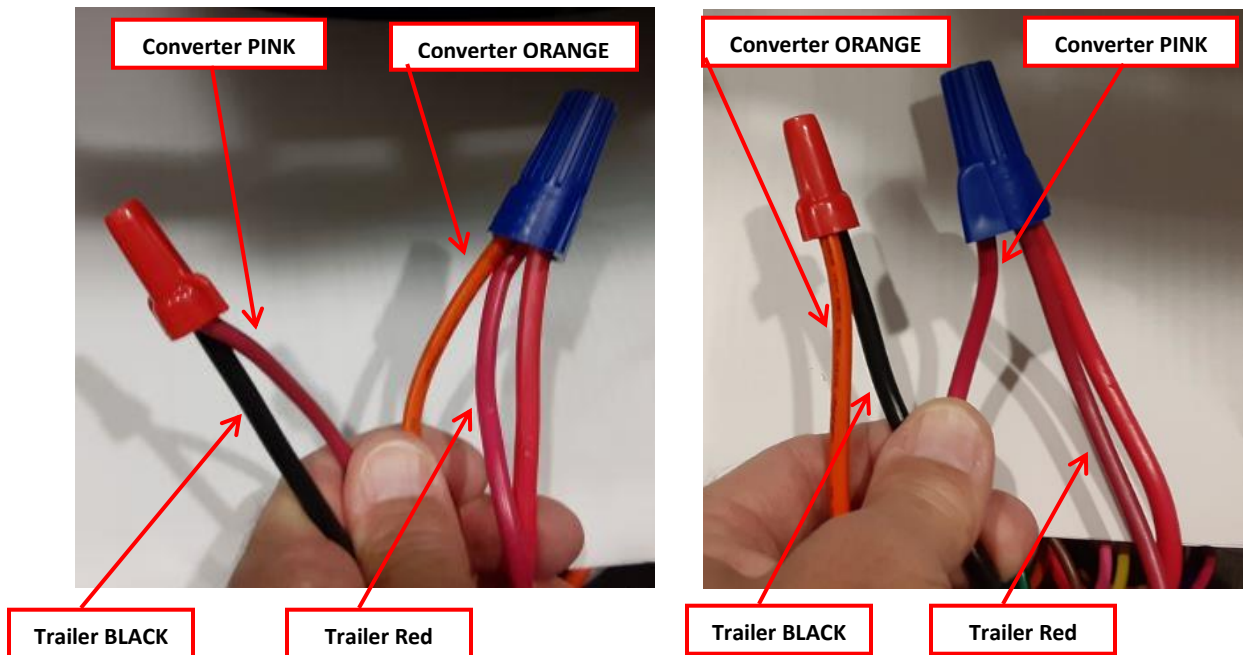
Original connection

Converter Pink 10-gauge wire connected trailer with the Red 10-gauge wire, **AND**
Converter Orange 10-gauge wire connected trailer Black 10-gauge wire

Change the wire connections so that:

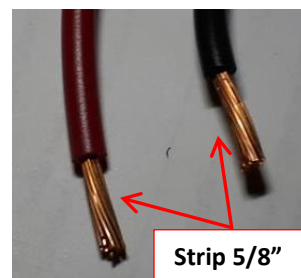
Converter Pink 10-gauge wire connects trailer Black 10-gauge wire, **AND**
Converter Orange 10-gauge wire connects trailer Red 10-gauge wire

Photos represent wire configuration 1



6. Remove the (colored) wire connectors and separate the wires.

7. To insure a good connection, cut off the end of each wire. Using a wire stripper, remove the wire insulation 5/8" back from the end of the wire.



8. Referring to the photo or documentation for the original wire connection and the wire connection configurations listed above, connect the appropriate wires using the blue wire nut connectors furnished with this bulletin.
9. Repeat the part #1 and part #2 diagnostic steps (under Inspection at the beginning of this bulletin) to verify the correct function of disconnect switch.
10. Re-install power converter assembly and cover.

Repair process trailer with WF-8540 power converter assembly

1. Disconnect the trailer 120-volt power cord and 12-volt battery (if applicable). You will need to use an alternate light source
2. Locate the power converter. Loosen the (2) screws holding front cover/door assembly on WF-8540 power converter.
NOTE: Typically, the screw is a capped screw that will not come completely out of the converter.



3. Determine the wire configuration for the unit you are repairing from the following detail and photos. Take a photo or document the current wire configuration as a reference to help insure you are connecting the correct wires for the repair.

NOTE: Wire colors may vary between units. Refer to both wire configurations before starting the repair to determine the correct repair.

Wire configuration 1:

Original connection

Trailer Red 8 gauge wire is connected to circuit board "BAT +" lug,

AND

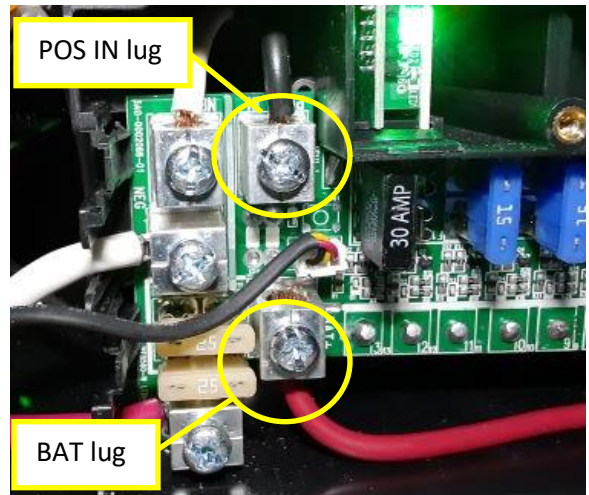
Trailer Black 8 gauge wire is connected to circuit board "POS IN+" lug

Change the wire connections so that:

Trailer Black 8 gauge wire is connected to circuit board "BAT +" lug,

AND

Trailer Red 8 gauge wire is connected to circuit board "POS IN+" lug



Wire configuration 2:

Original connection

Trailer Black 8 gauge wire connected to circuit board "BAT +" lug,

AND

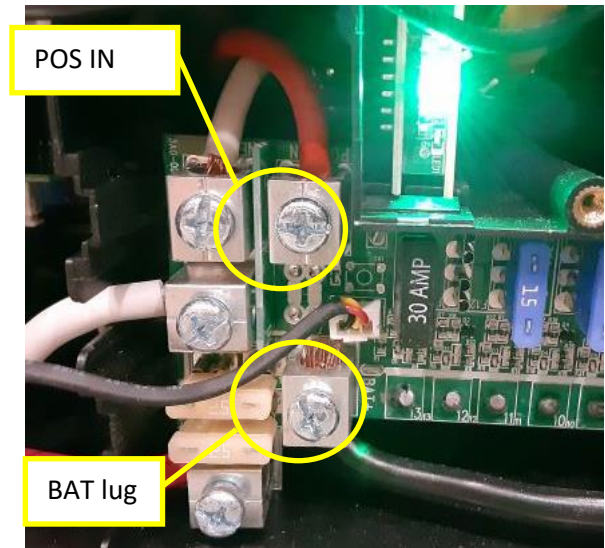
Trailer Red 8 gauge wire connected to circuit board "POS IN+" lug

Change the wire connections so that:

Trailer Red 8 gauge wire connects to circuit board "BAT +" lug

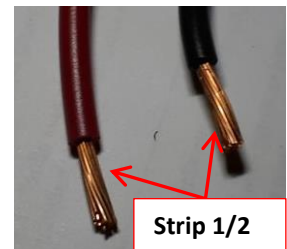
AND

Trailer Black 8 gauge wire connects to circuit board "POS IN+" lug



4. Loosen the set screw on the lug and remove the wire from both the BAT and POS IN lug.

5. To insure a good connection, cut off the end of each wire. Using a wire stripper, remove the wire insulation 1/2" back from the end of the wire.



6. Referring to the photo or documentation for the original wire connection and the wire connection configurations listed above, connect the appropriate wires to the appropriate lug. Firmly tighten the set screw.

7. Repeat the part #1 and part #2 diagnostic steps (under Inspection at the beginning of this bulletin) to verify the correct function of disconnect switch.

8. Re-install power converter assembly and cover.

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.

903 South Main Street • P.O. Box 460 • Middlebury, IN 46540

TSB 20-017 - AFFECTED UNIT LISTING

2020 White Hawk TT

L1 42 0075-0081
43 0092-0188
44 0100-0242
48 0075-0098
4A 0160-0405
4B 0050-0080
4H 0094-0225
4J 0096-0236
4K 0117-0296
4L 0111-0218
4S 0111-0266
4Z 0075-0152

2020 Jay Feather TT

L1 J3 0165-0218
J4 0129-0146, 0213-0362
J6 0117-0134, 0225-0440
J8 0063-0117, 0186, 0202-0303
JA 0075-0134, 0219-0302
JC 0050-0086
JF 0099-0158, 0297-0500
JV 0135-0182
JY 0075-0115, 0159-0212

2021 Jay Feather TT

M1 J2 9000-9006
J3 9000-9006
J4 9000-9014
J8 9000-9009
JA 9000-9003
JF 9000-9004