


RECALL 24V847 / 2024-685 REMEDY INSTRUCTIONS

 FOREST RIVER	Make(s): IMPRESSION Model(s): MANY, SEE BELOW Model Year(s): 2021 - 2025	Repair Code: RC-720-22-00-004641 Allotted Time: .75 HRS. Inspection Code: RC-720-05-00-004640 Allotted Time: .25 HRS.
	Concern: The Solar Charge Line, Front LED Hitch Light and the Pass-Thru Light, might be inconsistently wired to a 50AMP mini-breaker. The solar controller may have the incorrect gauge hardness wires.	Photo(s) Required: NO Prior Authorization Required: YES Part(s) Kit Number: F100680831 Part(s) Return: N/A

Turn off LP Gas at LPG Tank(s). Disconnect the vehicles' battery Positive and Negative, disconnect any House battery(s) Positive and Negative, if equipped with a generator ensure it is off and lastly, ensure the vehicle is disconnected from shore power. Block any tires/wheels to prevent the vehicle from rolling. Failure to do so may result in electrocution, fire or other personal injury, property damage and/or death.

CERTAIN: 2021 – 2025 – IMPRESSION FIFTH WHEELS

PARTS KIT CONTENTS (F100680831):

1 – 10AMP BLADE FUSE

1 – 30AMP GREEN, INLINE BLADE FUSE HOLDER

1 – YELLOW COLLARED RING TERMINAL (PRE-INSTALLED TO ONE END OF THE 30AMP GREEN BLADE FUSE HOLDER)

1 – 3 PLACE, WAGO CONNECTER (PRE-CLAMPED TO THE OTHER END OF THE 30AMP GREEN BLADE FUSE HOLDER)

36" – RED/WHITE WIRE, 10AWG. (RIP CORD WIRE)

36" – YELLOW/WHITE, 10AWG. (RIP CORD WIRE)

INSPECTION:

STEP 1: INSPECT THE 12V MINI-BREAKER WIRING; (FIGURE 1 IS A REPRESENTATIVE PHOTO)

- TIP: LOCATE THE RED BATTERY WIRE FROM BATTERY(S) AND TRACE TO MINI-BREAKERS
- IF THE YELLOW/WHITE STRIPED, 10 AWG. "SOLAR CHARGE CONTROLLER +" WIRE IS CONNECTED TO THE 50AMP MINI-BREAKER – MOVE TO REMEDY;
- IF THE RED/WHITE STRIPED, 14 AWG. "FRONT LED HITCH LIGHT" WIRE IS CONNECTED TO THE MINI-BREAKER - MOVE TO REMEDY;
- IF THE ORANGE/WHITE STRIPED, 14 AWG. "FRONT PASS-THROUGH" WIRE IS CONNECTED THE MINI-BREAKER - MOVE TO REMEDY;
- IF THE YELLOW/WHITE STRIPED, 10 AWG. "SOLAR CHARGE CONTROLLER +" WIRE IS CONNECTED TO THE 30AMP MINI-BREAKER – CLAIM THE INSPECTION, NO FURTHER ACTION FOR THIS WIRE;
- IF THE RED/WHITE STRIPED, 14 AWG. "FRONT LED HITCH LIGHT" AND THE ORANGE/WHITE STRIPED, 14 AWG. "FRONT PASS-THROUGH" WIRE ARE CONNECTED TOGETHER OR SEPERATELY WITH AN INLINE FUSE, TOGETHER OR SEPERATELY NOT LARGER THAN 15AMPS, AND THEN CONNECTED TO A MINI-BREAKER, NO FURTHER ACTION FOR THESE WIRES AND CLAIM THE INSECTION CODE;

THIS FOLLING STEP IS ONLY NECESSARY IF THE VEHICLE HAS A SOLAR PREP OR PANEL INSTALLED FROM THE FACTORY

STEP 1: LOCATE THE SOLAR CHARGE CONTROLLER INSIDE THE VEHICLE;

- REMOVE FROM THE WALL;

STEP 2: INSPECT THE "BATTERY POSITIVE +" AND "BATTERY NEGATIVE -" WIRE;


- IF THE "BATTERY POSITIVE +" IS NOT 10AWG. WIRE, MOVE TO REMEDY;
- IF THE "BATTERY NEGATIVE -" IS NOT 10AWG. WIRE, MOVE TO REMEDY;
- IF THE "BATTERY POSITIVE +" AND "BATTERY NEGATIVE -" BOTH ARE 10AWG. WIRE, CLAIM THE INSPECTION CODE;

STEP 3: INSPECT THE "SOLAR POSITIVE +" AND "SOLAR NEGATIVE -" WIRE;

- IF THE "SOLAR POSITIVE +" IS NOT 10AWG. WIRE, MOVE TO REMEDY;
- IF THE "SOLAR NEGATIVE -" IS NOT 10AWG. WIRE, MOVE TO REMEDY;
- IF THE "SOLAR POSITIVE +" AND "SOLAR NEGATIVE -" BOTH ARE 10AWG. WIRE, CLAIM THE INSPECTION CODE;

REMEDY IS ON THE FOLLOWING PAGE(S)

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REMEDY: (FIGURE 2 IS A REPRESENTATIVE PHOTO)

STEP 1: REMOVE THE RED/WHITE STRIPED, 14 AWG. "FRONT LED HITCH LIGHT" WIRE FROM THE MINI-BREAKER;

- CUT THE RING TERMINAL OFF;
- STRIP THE APPROPRIATE AMOUNT OF SHEATHING FROM THE END YOU CUT THE RING TERMINAL FROM (TO FIT THE WAGO);
- INSERT INTO THE 1ST SLOT OF THE WAGO CONNECTOR. ENSURE NO COPPER STRANDS ARE PRESENT OUTSIDE OF THE WAGO CONNECTOR;
- SHUT THE WAGO CLAMP, CLAMPING THIS WIRE INTO PLACE. TEST BY TUGGING ON THE WIRE;

STEP 2: REMOVE THE ORANGE/WHITE STRIPED, 14 AWG. "FRONT PASS-THROUGH" WIRE FROM THE MINI-BREAKER;

- CUT THE RING TERMINAL OFF;
- STRIP THE APPROPRIATE AMOUNT OF SHEATHING FROM THE END YOU CUT THE RING TERMINAL FROM (TO FIT THE WAGO);
- INSERT INTO THE 2ND SLOT OF THE WAGO CONNECTOR. ENSURE NO COPPER STRANDS ARE PRESENT OUTSIDE OF THE WAGO CONNECTOR;
- SHUT THE WAGO CLAMP, CLAMPING THIS WIRE INTO PLACE. TEST BY TUGGING ON THE WIRE;

STEP 3: INSTALL ONE END/WIRE FROM THE 30AMP GREEN INLINE BLADE FUSE HOLDER INTO THE 3RD SLOT OF THE WAGO CONNECTOR;

- IT MAY BE NECESSARY TO STRIP ONE END TO INSERT INTO THE WAGE CONNECTOR;
- SHUT THE WAGO CLAMP, CLAMPING THIS WIRE INTO PLACE. TEST BY TUGGING ON THE WIRE;

STEP 4: LOCATE A 30AMP MINI-BREAKER IN THE SAME AREA;

STEP 5: INSTALL ONE END/WIRE FROM THE 30AMP GREEN INLINE BLADE FUSE HOLDER INTO THE SILVER SIDE/PROTECTED SIDE/NOT CONSTANT HOT SIDE OF A 30AMP MINI-BREAKER;

- IT MAY BE NECESSARY TO STRIP ONE END AND INSTALL THE PROPER RING TERMINAL TO THE INLINE FUSE CONNECTOR;
- INSTALL THE 10 AMP BLADE FUSE INTO THE 30AMP GREEN INLINE FUSE HOLDER – LABEL WITH PERMINATE MARKER AS SUCH TO NOT EXCEED 10AMPS;

STEP 6: REMOVE THE YELLOW/WHITE STRIPED, 10 AWG. "SOLAR CHARGE CONTROLLER +" WIRE FROM THE 50AMP MINI-BREAKER POST;

STEP 7: CONNECT THE YELLOW/WHITE STRIPED, 10 AWG. "SOLAR CHARGE CONTROLLER +" WIRE TO THE SILVER SIDE/PROTECTED SIDE/NOT CONSTANT HOT SIDE OF A 30AMP MINI-BREAKER;

STEP 8: REINSTALL MINI-BREAKER NUT TIGHTLY;

THIS FOLLING STEP IS ONLY NECESSARY IF THE VEHICLE HAS A SOLAR PREP OR PANEL INSTALLED FROM THE FACTORY

STEP 1: LOCATE THE SOLAR CHARGE CONTROLLER INSIDE THE VEHICLE;

- REMOVE FROM THE WALL;

STEP 2: DISCONNECT THE "BATTERY NEGATIVE –" FROM THE BACK OF THE SOLAR CHARGE CONTROLLER;

- THIS SHOULD BE A SOLID WHITE WIRE;

STEP 3: DISCONNECT THE "BATTERY POSITIVE +" FROM THE BACK OF THE SOLAR CONTROLLER;

- THIS SHOULD BE A RED/WHITE STRIPED WIRE

STEP 4: DISCONNECT THE "SOLAR NEGATIVE -" FROM THE BACK OF THE SOLAR CONTROLLER;

- THIS SHOULD BE A SOLID WHITE WIRE;

STEP 5: DISCONNECT THE "SOLAR POSITIVE +" FROM THE BACK OF THE SOLAR CONTROLLER;


- THIS SHOULD BE A YELLOW/WHITE STRIPED WIRE;

FROM THE PARTS KIT, USE THE 10AWG. WIRES SUPPLIED;

STEP 6: STRIP AND CONNECT THE "BATTERY NEGATIVE –" FROM THE BACK OF THE SOLAR CHARGE CONTROLLER;

- THIS WILL BE A SOLID WHITE WIRE;

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STEP 7: STRIP AND CONNECT THE “BATTERY POSITIVE +” FROM THE BACK OF THE SOLAR CONTROLLER;
 • THIS WILL BE A RED/WHITE STRIPED WIRE

STEP 8: STRIP AND CONNECT THE “SOLAR NEGATIVE -” FROM THE BACK OF THE SOLAR CONTROLLER;
 • THIS WILL BE A SOLID WHITE WIRE;

STEP 9: STRIP AND CONNECT THE “SOLAR POSITIVE +” FROM THE BACK OF THE SOLAR CONTROLLER;
 • THIS WILL BE A YELLOW/WHITE STRIPED WIRE

STEP 10: TRACE THE “BATTERY NEGATIVE -”, SOLID WHITE WIRE TO WHERE IT CONNECTS TO A WAGO CONNECTER;
 • DISCONNECT THE WIRE AND REMOVE;
 • CONNECT THE NEW 10AWG. SOLID WHITE WIRE HOOKED TO THE SOLAR CONTROLLER TO THE WAGO CONNECTER;

STEP 11: TRACE THE “BATTERY POSITIVE +”, RED/WHITE STRIPED WIRE TO WHERE IT CONNECTS TO A WAGO CONNECTER;
 • DISCONNECT THE WIRE AND REMOVE;
 • CONNECT THE NEW 10AWG. RED/WHITE STRIPED WIRE HOOKED TO THE SOLAR CONTROLLER TO THE WAGO CONNECTER;

STEP 12: TRACE THE “SOLAR NEGATIVE -”, SOLID WHITE WIRE TO WHERE IT CONNECTS TO A WAGO CONNECTER;
 • DISCONNECT THE WIRE AND REMOVE;
 • CONNECT THE NEW 10AWG. SOLID WHITE WIRE HOOKED TO THE SOLAR CONTROLLER TO THE WAGO CONNECTER;

STEP 13: TRACE THE “SOLAR POSITIVE +”, YELLOW/WHITE STRIPED WIRE TO WHERE IT CONNECTS TO A WAGO CONNECTER;
 • DISCONNECT THE WIRE AND REMOVE;
 • CONNECT THE NEW 10AWG. YELLOW/WHITE STRIPED WIRE HOOKED TO THE SOLAR CONTROLLER TO THE WAGO CONNECTER;

PHOTOS FOR REFERENCE:
 FIGURE 1 – INCORRECTLY WIRED

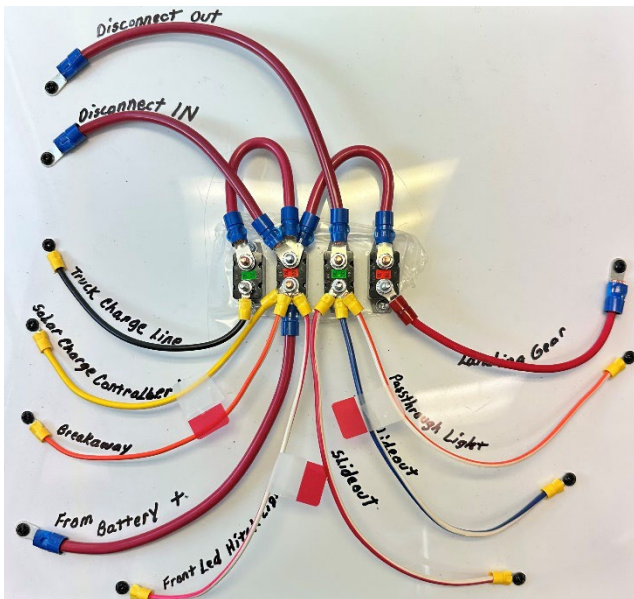


FIGURE 2 – CORRECTLY WIRED

