Recall Campaign

NHTSA #: 11V-183 TC #: **2011-122**

Job Code: 9901093
Flat Rate: 2.0 hours

REQUIRES PARTS TO BE ORDERED FROM ENTEGRA FOR EACH UNIT LISTED

ACTION REQUIRED:

Remove and replace the automatic transfer switch

MODELS / UNITS:

2010 Aspire Class A

40DRQ	**A13A**8051
40SKT	**A13C**8050-8057
42RB	**A13G**8051-8055

2011 Aspire Class A

40DRQ	**B13A**8051-8052
40SKT	**B13C**8051-8059
42DL	**B13E**8051-8054
42RB	**B13G**8051-8059
42DLQ	**B13L**8051

KIT CONTENTS

11V-183E

Note: Kit can only be ordered using the order form included with this bulletin.

Instruction Sheet
Automatic transfer switch
(1) 3/4" Romex connector
(2) 1-1/4" Romex connector

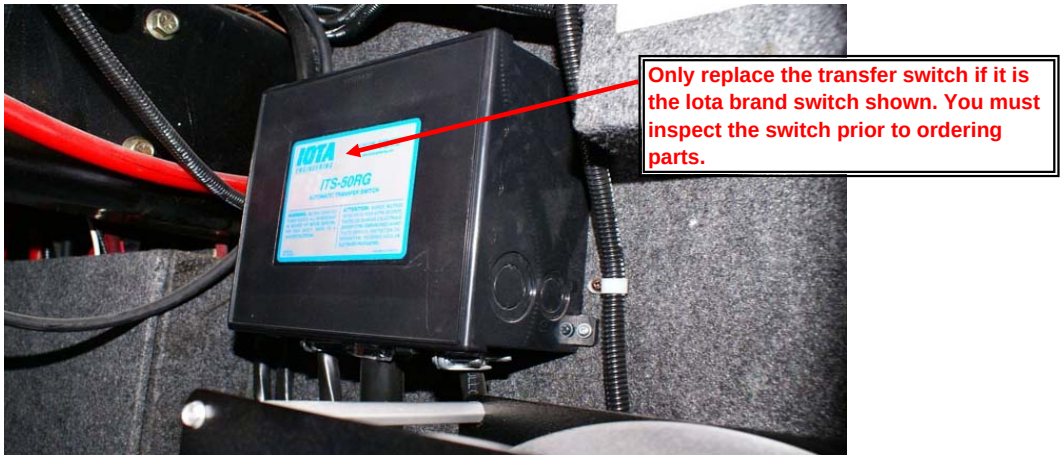
TOOLS/MATERIAL REQ.:

Screw gun with square bit
Slotted screw driver
Wire strippers
Pliers
Multi-meter

Instructions

Remove existing transfer switch

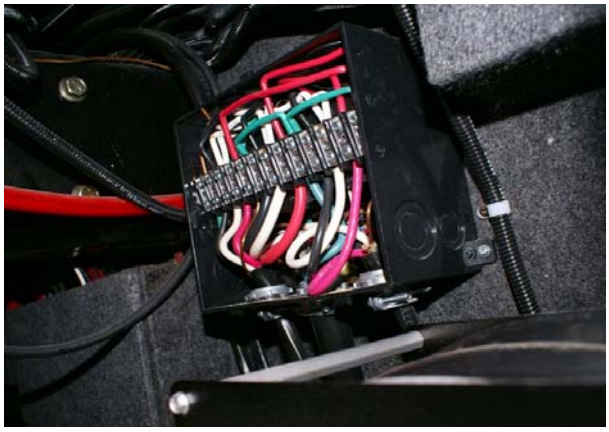
1. Locate the transfer switch in the electrical compartment housing the shore power cord.

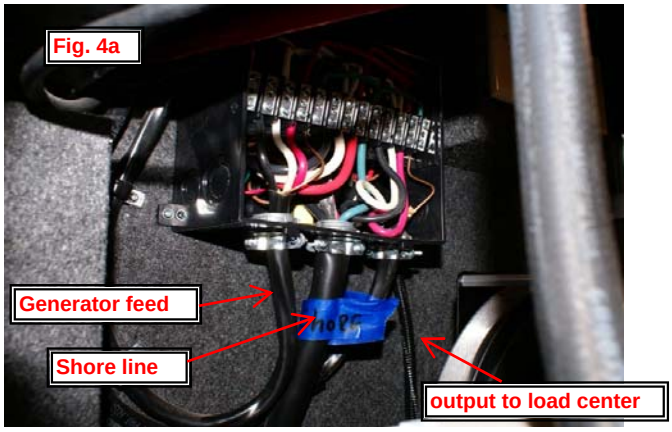


2. **STOP GENERATOR, DISABLE AUTOMATIC GENERATOR START AND DISCONNECT SHORE POWER CORD**

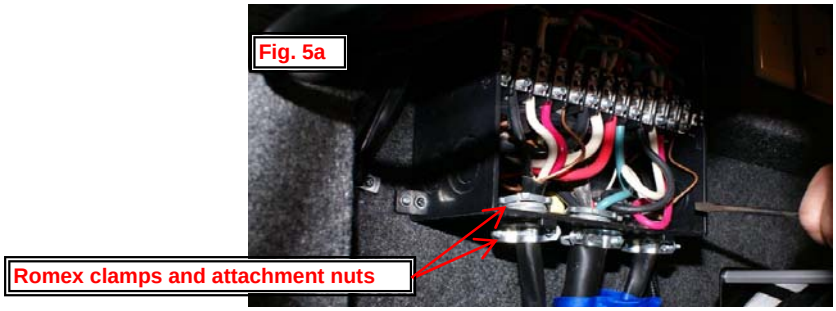
3. Remove the transfer switch cover. Using a "mult" meter set to the 200 volt A/C range TEST all circuits inside the transfer switch to verify that all power is turned off.

4. The power cables entering the transfer switch look similar. Individually identify and mark each cable prior to disconnecting them. (**Fig 4a**).



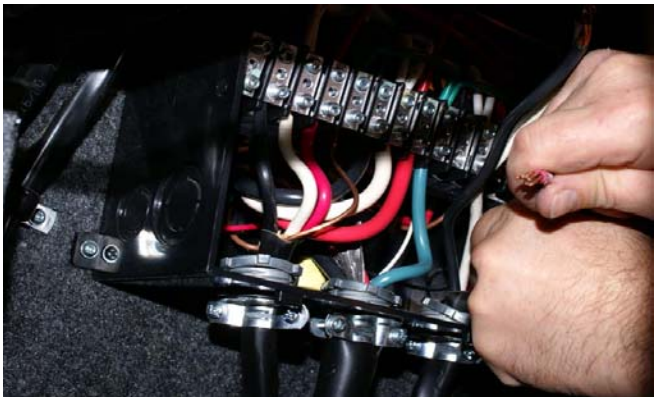


5. Loosen all 3 romex connector saddle clamps retaining the power cords. Loosen and remove all 3 romex connector attachment nuts (**Fig 5a**).



6. Loosen wire attachment set screws and disconnect all 3 power cords from the transfer switch terminal strip. Disconnect and remove the bare copper bonding ground wire.

7. Loosen the "P" clamps that attach power cords to compartment floor and sidewall. Remove power cords from the transfer switch.

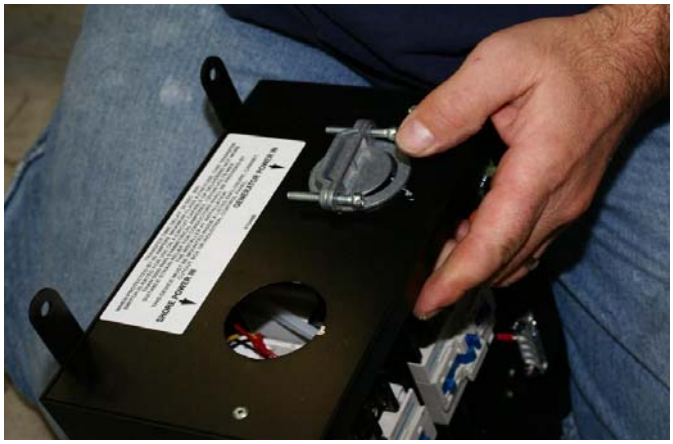


8. Remove the existing transfer switch from the compartment wall. Retain the mounting screws for re-use.

Install new transfer switch

9. Remove the replacement transfer switch cover.

10. Remove the largest diameter knockout plugs (labeled "Shore Power In", "Generator Power In", & "Output") on the ends of the new transfer switch box (3 places). Install romex connectors (removed from old transfer switch) into these openings as shown.



11. Using the original (4) screws, install the new transfer switch so that the shore line and generator inputs point toward the outside wall of the motorhome. NOTE: The original switch was mounted with wire entry from the bottom side. The new transfer switch must be installed so that wire entry is from the sides of the box. Power cables may need to be relocated to make room for the new switch.

12. Connect the single bare copper bonding ground wire (from the chassis frame) to the bottom left buss bar on the transfer switch box. NOTE: This bonding wire enters the box through a small hole which aligns with a specific buss bar cavity.

13. Prepare all 3 power cables for entry into the new transfer switch as follows:
A. Cut off previously stripped end of all wires if copper conductor strands are damaged or missing.

B. Generator power cable only: Remove outer cable insulation 8" from the end of the wires. Cut Red, Black, and White wires off so that they extend 3" outward from outer insulation. Note: Bare copper wire needs to be 5" longer than the Red, Black, and White wires.
C. Shore power and panel feed cables only: Remove outer cable insulation 5-1/2" from the end of the wires. Cut Red, Black, and White wires off so that they extend 3" outward from outer insulation. Note: Bare copper or Green wire needs to be 1-1/2" longer than the Red, Black, and White wires.
D. Strip **1/2"** of inner insulation off all Red, Black, and White wires.
E. Strip **5/16**" of inner insulation off Green wire.

14. Insert the generator power cable through the right hand lower romex connector (see photo below). Slide pre-stripped individual wires into the generator contactor terminals in the following order: Bottom Red, Middle White, Top Black. Note: See decal on backside of new transfer switch cover if additional polarity information is required. Tighten each (generator) contactor set screw to 45 inch pounds. Insert the remaining bare copper wire into one of the middle cavities of the right side bonding buss bar (on the box right upper side panel). Tighten the appropriate bonding buss bar set screw to 35 inch pounds.

    NOTE: Do not overtighten contactor and buss bar set screws. Over tightening can result in damage to the screw or terminal and adversely affect transfer switch function.

15. Insert the shore power cable through the right hand upper romex connector. Repeat the step #14 process on this cable with the exception that the bonding ground wire is Green colored instead of Bare Copper.

16. Insert the distribution panel cable through the left hand lower romex connector. Repeat the step #14 process on this cable with the exception that the Bare Copper wire goes into the left lower bonding buss bar.

17. Tighten the Romex saddle clamps to provide cable strain relief. Do not overtighten.

18. Re-attach power cords to the floor and sidewall with "P" clamps to prevent chaffing and cord reel contact.

19. Install the new transfer switch cover. Be sure the cover lens lines up with the indicator lights in the upper left corner of the box.

20. Plug motorhome into shore power and test high voltage circuits for proper operation.

21. Start generator and re-test high voltage circuits for proper operation. Note: Automatic transfer switch will engage (connect the motorhome to the generator) after approximately 30 seconds of generator operation.