



Procedure 7-74

Date: March 3, 2018

Adding Stepwell Panel LED Light

Description:

Motor Coach Industries ("MCI") has become aware that on some of MY 2018, J4500 series coaches the stepwell panel lights were not installed.

This procedure uses rework instruction (26-07-0169) to outline the steps needed to install the missing lights. This procedure is applicable only to MY 2018, J4500 coaches. A labor allowance of 0.5 hour will be granted for this rework.



Read this entire procedure before beginning work.

Use Safe Shop Practices At All Times.

To avoid personal injury:

- a. Turn the main battery disconnect switch to the OFF position.***
- b. Ensure that both the front and the rear wheels are chocked.***
- c. Positioning the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.***
- d. Allow enough time for components to cool down prior to working in the engine compartment.***

REV	ECN	BY	CHK	APP	DATE	REVISION
A	68805	EK	ALN	IA	12/07/2017	Initial Release by CSE Team

1.0 Scope

This procedure covers how to install Stepwell Panel lighting on MY2018 J-coaches.

Note: Basic Coaches come equipped with these lights. This procedure is only required if they were missing from the factory.

2.0 Material requirements

ITEM	PART NO.	QTY	U/M	DESCRIPTION
1	03-02-1682	7	EA	CLIP-LIGHT STRIP, ATTACHMENT
2	03-02-1683	1	EA	LIGHT - STRIP, MODESTY PANEL
3	07-07-1751	1	EA	LED - 36IN, UNDER DASH, DEFROSTER
4	19-1-603	7	EA	SCREW, PAN HD - #8-32
5	19-3-335	7	EA	NUT-SPEED, U-TYPE, #8
6	26-07-0169	1	EA	REWORK INSTRUCTIONS-STEPWELL PANEL LED LIGHT

3.0 Reference documents

Related documents to this rework instruction that may be further used as reference.

Document number	Description
03-01-2992	Production Install – RH Dash Panel Installation
03-02-1693	Production install – Modesty Panel Installation
07-15-1089	Schematic – Basic Electrical, J4500 (Page 53 - 55)

4.0 Special Tools

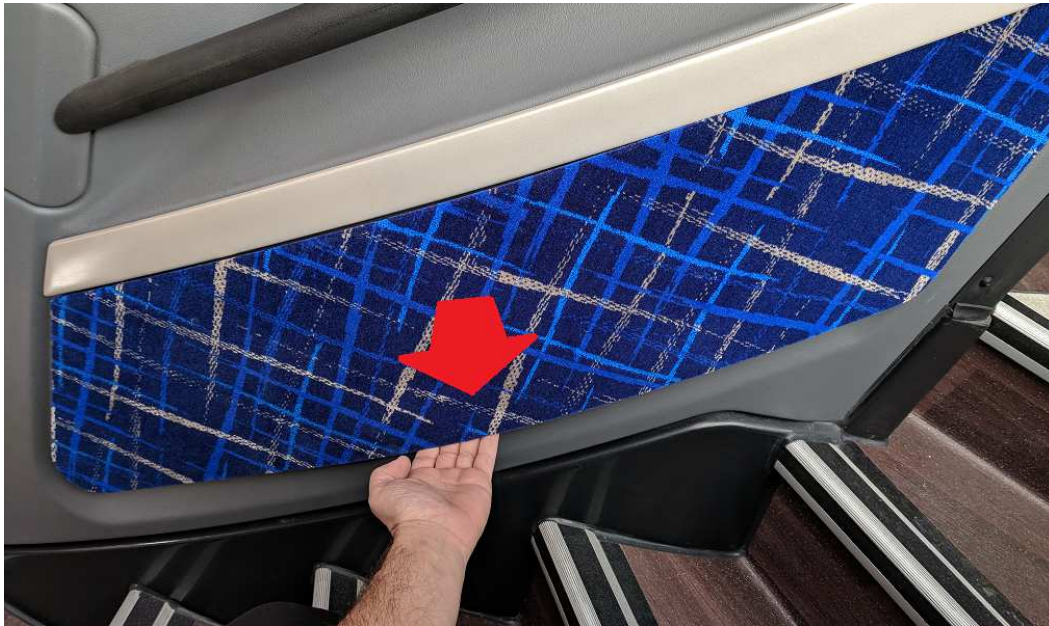
No Special Tools required for this install.

5.0 Rework Instruction

5.1 Removing the Modesty Panel Access Cover

Remove the Access cover by pulling from the center of the bottom edge to release the Velcro.

Once the Velcro is released, continue pulling the panel out to flex the panel, which frees the clips from the wall removing the panel.



5.2 Attaching the Modesty Panel LED Strip

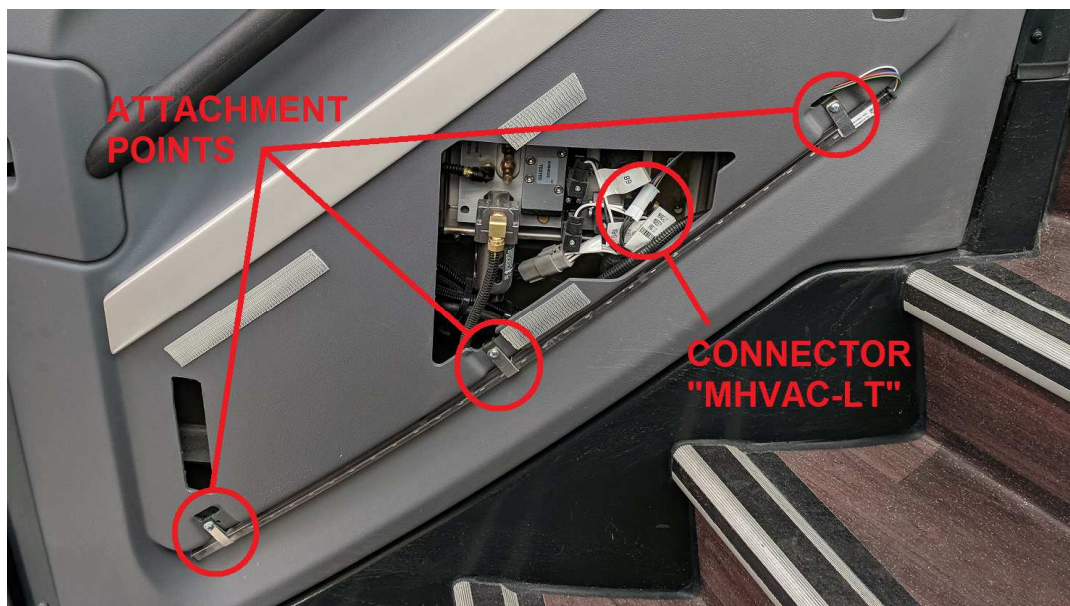
Place three LED Clips 03-02-1682 over LED Strip 03-02-1683 as indicated in the picture below.

The protrusion of the clip should face in toward the modesty panel, and LEDs pointed down.



Position the Speed clips 19-3-335 and LED Clips 03-02-1682 as shown in the picture below.

Connect the LED Strip to the "MHVAC-LT" Molex connector found near the air manifold.



5.3 RH Dash Panel Removal

Remove the Access cover by pulling from the bottom edge to release the Velcro strips

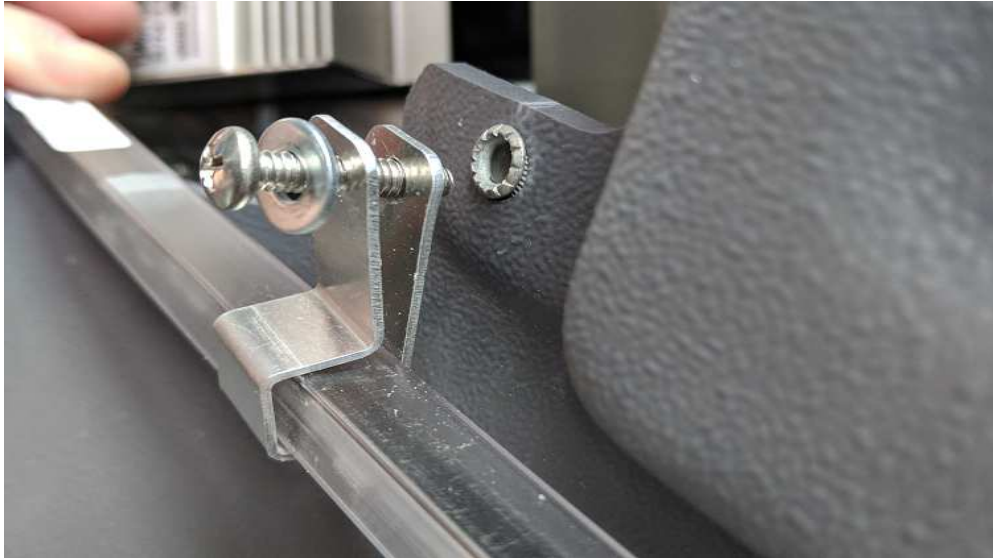
Once the Velcro is released, shift the entire panel straight up to un-hook it from the top.



5.4 Attaching the RH Dash LED Strip

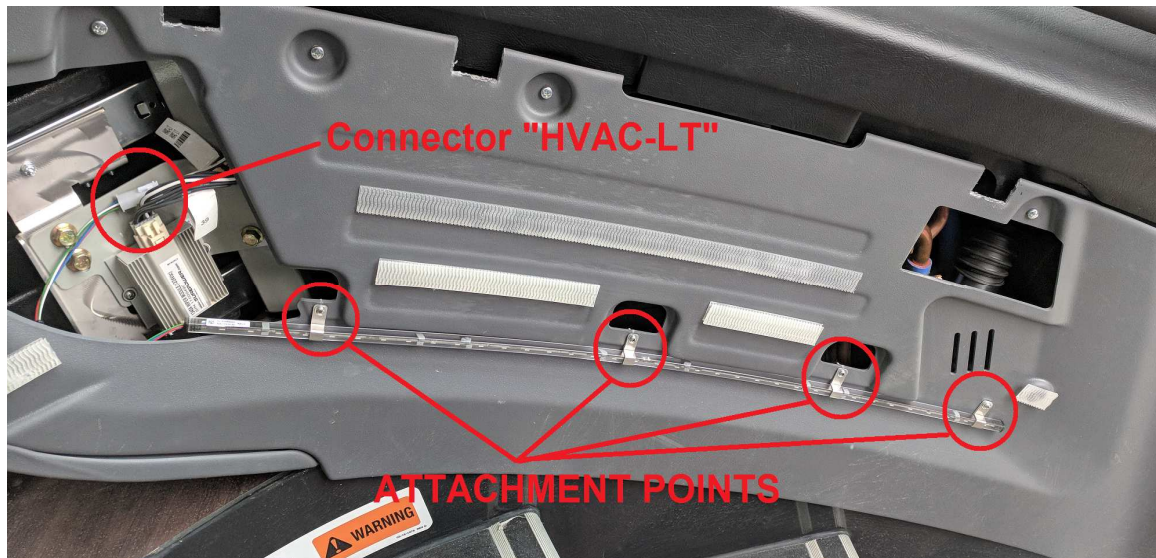
Follow the same mounting procedure done earlier in section 5.2, but use LED Strip 07-07-1751 and flip the LED Clip 180 degrees as shown in the picture below.

NOTE: If dash has Riv-Nuts in the hole location, use 8-32 machine screw to secure the LED. Otherwise, use the same Speed Clips 19-3-335 shown in section 5.2



Position the LED Clips 03-02-1682 as shown in the picture below.

Connect the LED Strip to the "HVAC-LT" Molex connector found near the wiper controller.



6.0 Testing and Validation

- Power up the coach with ignition power.
- With the Stepwell Light switch in the “UP” position, the Stepwell Panel lights illuminate when the entrance door is OPEN.



- Close the entrance door, the panel lights will turn off.

If the unit performs as described, re-install the access panels removed earlier and the work is completed.

If the unit does not perform, follow the troubleshooting guidelines in 6.1

6.1 Troubleshooting:

Both LED Panel Lights do not illuminate

Check that the Stepwell Light Switch is Turned ON

Check that DH-X465 is connected between the DASH harness and STEP Harness

(should be connected from the factory, it is near the wiper controller)

Check that LC-X460 is connected between the DASH and FJB

(should be connected from the factory, it is under the shift-pad in the FJB)

The Modesty Panel LED does not illuminate

Check the MHVAC-LT Connection in section 5.2

The Driver Panel LED does not illuminate

Check the HVAC-LT Connection in section 5.4

Reference Basic Schematic 07-15-1089 for detailed electrical connections

- Pages 53 & 55 show the connections for BASIC (White) lighting
- Page 54 shows the connection for THEME (RGB) lighting if equipped.

7.0 Appendix