Reliability Driven™

Service Bulletin No. 3085

MODEL	TYPE	SECTION/GROUP	DATE
J4500 Series	Product Improvement	7-Electrical	Dec. 19, 2014

SUBJECT

FOG LIGHTS

CONDITIONS

Parts may be purchased from MCI Service Parts, Louisville, Kentucky.

Description:

Motor Coach Industries (MCI) is informing customers that MCI has made design changes to the fog light installation on J4500 coaches. Replacing the 55W bulb with a 35W bulb will improve product reliability by minimizing the potential for cracking, distortion and leaking of the fog light acrylic lens under certain conditions.

This product improvement bulletin is applicable to J4500 coaches equipped with fog lights on the coaches listed in the unit range below.

66242 to 67122				

Parts

Qty.	Old P/N	New P/N	Description
	07-07-1270		Bulb, Light Assy., Fog Light, 55W
a/r		07-07-1699	Bulb, Light Assy., Fog Light, 35W, 12V

Service Information:

1. New parts will be available for service replacement.

⚠CAUTION

Refer to Section 3A in the J4500 Maintenance Manual for the correct procedure and cleaning detergents to be utilized when washing the coach exterior and light assemblies.

Service Procedure:

WARNING

Read this entire procedure before beginning work.

Use Safe Shop Practices At All Times.

1. Turn the main battery disconnect switch to the OFF position.
2. Open the front service compartment door by lifting the t-handle located at the rear of the drivers lower, LH console.

CAUTION

Ensure sufficient clearance in front of the coach prior to releasing the front bumper.

3. Locate and pull the front bumper release handle.
4. Pull the bumper down, ensuring latch engagement.
5. Locate the fog light assembly, outboard of the spare tire compartment in the roadside and curbside bumperettes.
6. Locate the mounting hardware utilized to secure the fog light assembly to the bracket, and route the fog light electrical harness (refer to Figure 1).

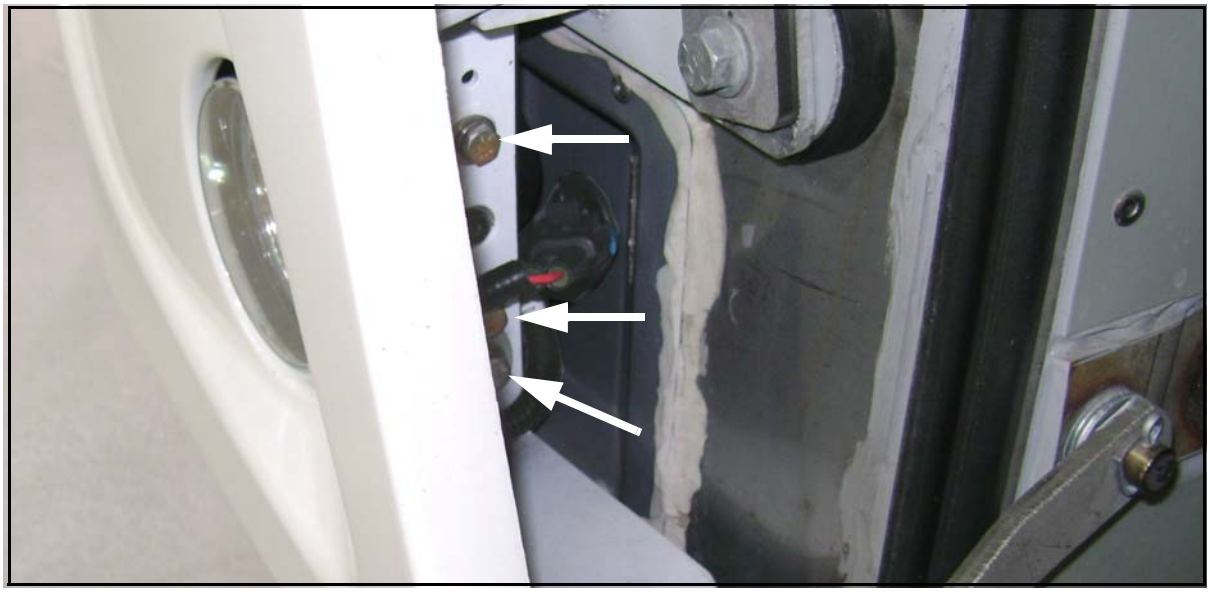

Figure 1.

7. Remove and retain the two (2) capscrews, flat washers and lock washers securing the fog light assembly to the bracket (refer to Figures 1 and 2). Remove and retain the capscrew and clamp routing the fog light electrical harness.

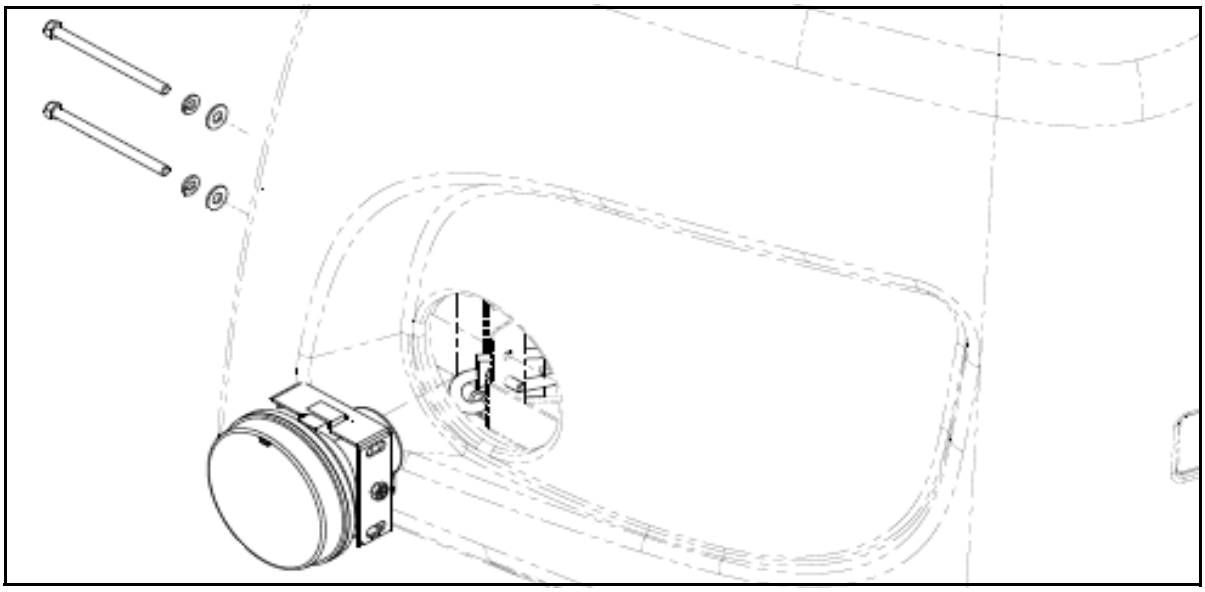

Figure 2.

⚠CAUTION

Use caution when handling the fog light assembly.

8. Carefully pull the fog light assembly forward, removing it from the bumperette.
9. Using two hands, carefully disconnect the two-pin delphi connector routed from the back of the fog light assembly and the electrical harness behind the bumperette. Place the disconnected fog light assembly on a workbench.

10. Carefully remove the protective boot from the back of the fog light assembly.
11. Push to release the two (2) ends on the V-shaped wire lock spring from the hook (refer to Figure 3).

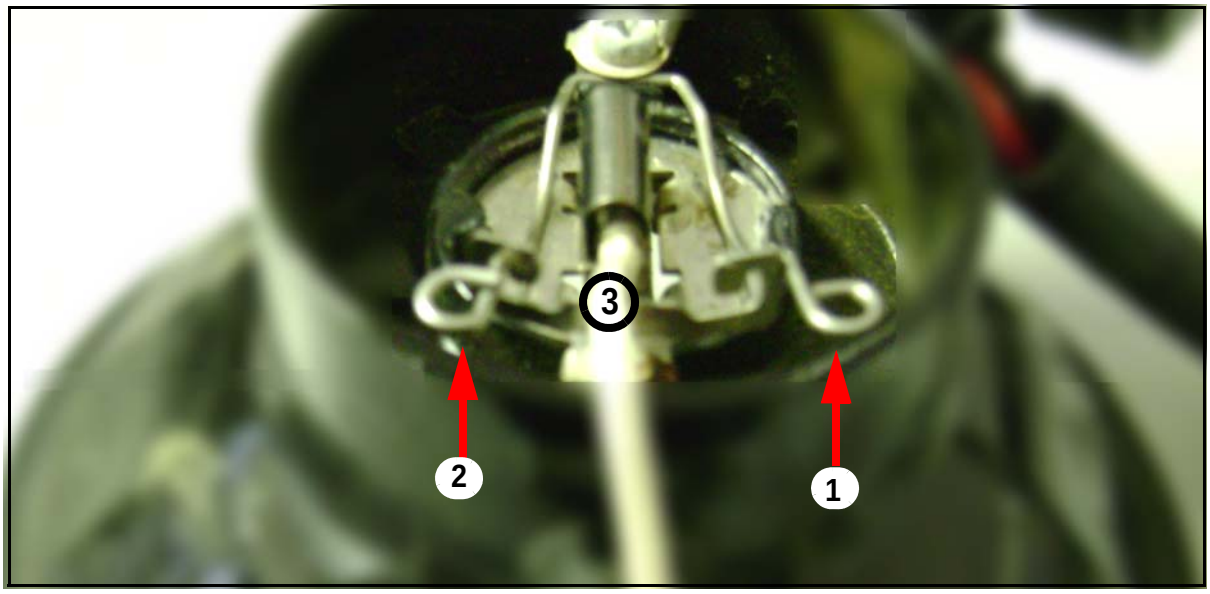

Figure 3. Fog light assembly.

Item	Description
1	V-shaped wire lock spring in released position
2	V-shaped wire lock spring in locked position
3	Wire lead from 35W bulb assembly

12. Swivel the V-shaped wire lock spring 180 degrees to access the bulb assembly.
13. Remove the bulb assembly. Using a firm grip on both ends of the fast-on connectors, pull to disconnect the bulb assembly wire lead. Discard the 55W bulb assembly.

⚠CAUTION

Use caution when handling the fog light bulb assembly. Use a shop glove when handling the fog light bulb, do not allow the bulb to contact the skin on your fingertips.

14. Using a firm grip on both ends of the fast-on connectors, orient and push to connect the wire lead on the 35W bulb assembly, p/n 07-07-1699.
15. Orient the bulb assembly into the cavity on the back of the fog light assembly. Swivel the V-shaped wire lock spring 180 degrees over the backplate of the bulb assembly. Push to lock the two (2) ends on the V-shaped wire lock spring in the hooks (refer to Figure 3).
16. Carefully orient and re-install the protective boot to the back of the fog light assembly.

17. Using two hands, carefully re-connect the two-pin delphi connector from the back of the fog light assembly to the electrical harness behind the bumperette.
18. Orient the fog light assembly in the bumperette opening. Using the existing two (2) capscrews, flat washers and lock washers secure the fog light assembly to the bracket (refer to Figure 2). Torque to 70-80 in-lbs.
19. Orient the fog light electrical harness in the clamp and re-install using the existing capscrew.
20. Repeat Steps 6 to 19 to the opposite side.
21. Turn the main battery disconnect switch to the ON position. Start up the coach.
22. Actuate the fog light switch and inspect for proper operation.

Procedure Complete.