



Service Bulletin

File in Section: 08 - Body and Accessories

Bulletin No.: 14-08-42-001

Date: February, 2014

INFORMATION

Subject: Additional Diagnostic Tips for Headlamp Inoperative or Intermittent Conditions

Models: 2014 Chevrolet Corvette

Warning: *The high intensity discharge system produces high voltage and current. In order to reduce the risk of severe shocks and burns, the battery negative cable must be disconnected any time service work is being performed on or around the high intensity discharge system.*

The high intensity discharge system produces high voltage and current. To reduce the risk of severe shocks and burns:

- Never open the high intensity discharge system ballast or the arc tube assembly starter.
- Never probe between the high intensity discharge system ballast output connector and the arc tube assembly.

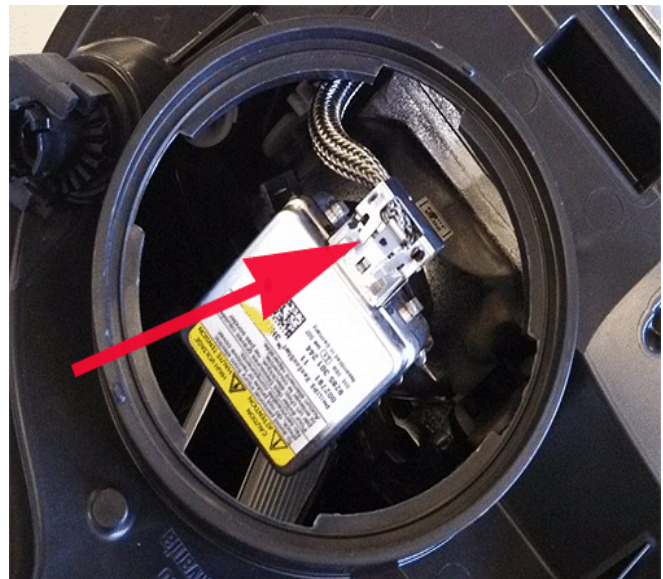
Perform the following steps when diagnosing headlamp inoperable or intermittent conditions. **Perform these steps before replacing the headlamp assembly.**

1. Remove the affected headlamp assembly. Refer to Headlamp Replacement in SI.
2. Place the headlamp assembly on a clean abrasion free work surface to prevent damage to the lamp lens.



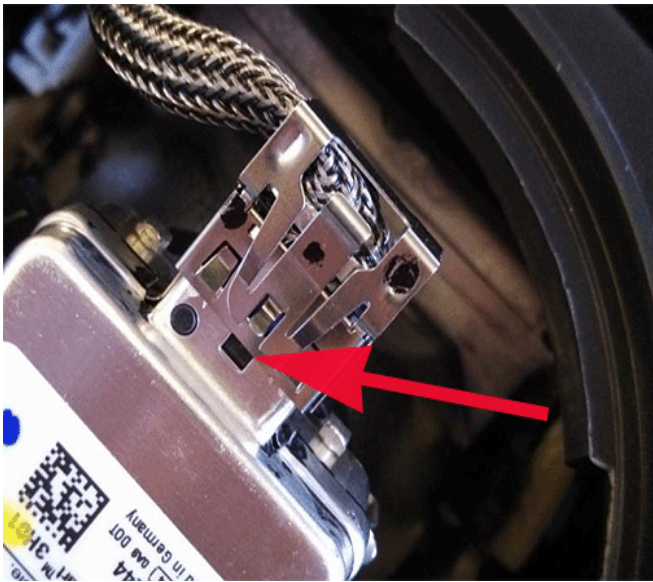
3687117

3. Locate the bulb access cover, turn counterclockwise and remove from headlamp housing.



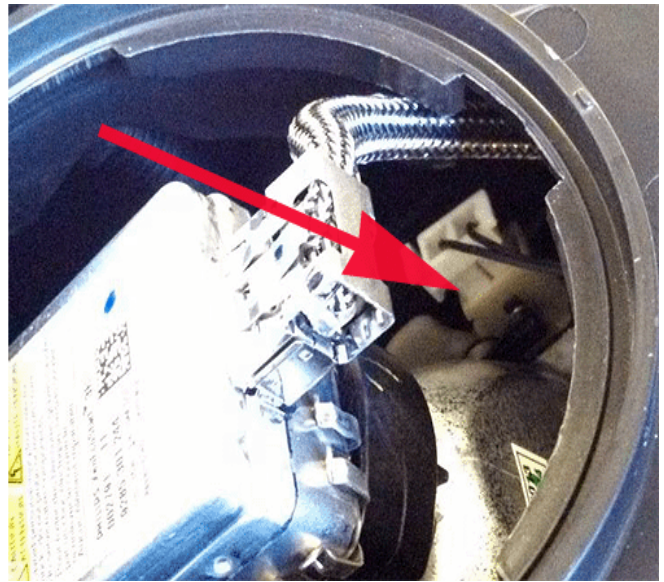
3687118

4. Check the High Voltage (HV) Cable to Bulb Connection.



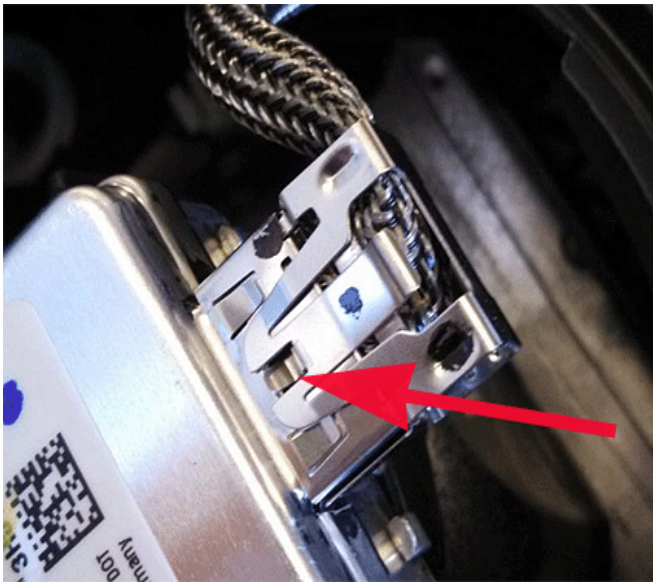
3687120

Connector not fully seated



3687122

Connector not fully seated



3687119

Connector fully seated

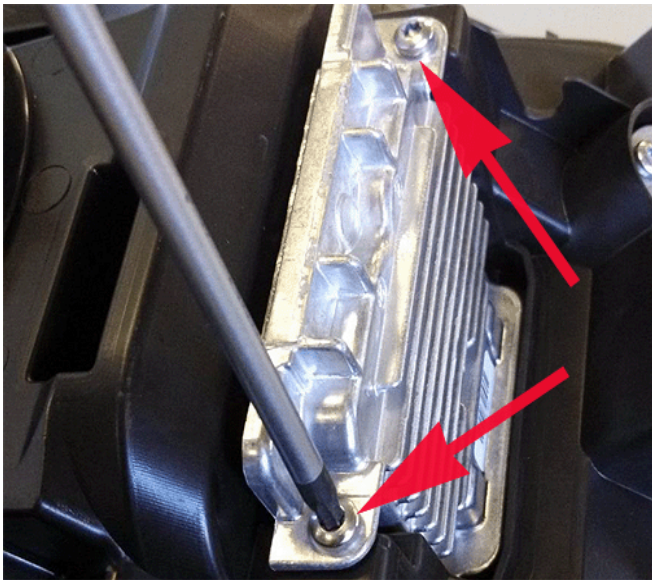
- 5. Check the shutter to projector connector. This connection is required for high beam operation.



3687126

Connector fully seated

- 6. Reinstall the access cover and ensure the cap is fully locked in place.



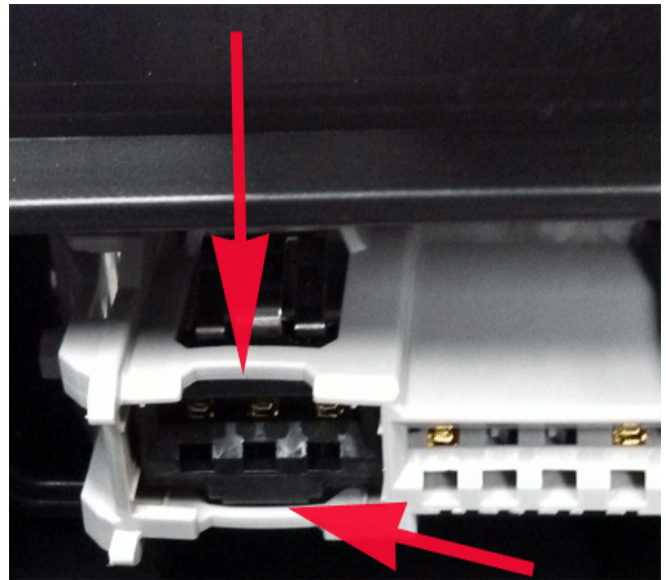
3687127

- 7. Remove the two ballast mounting screws and remove the ballast.



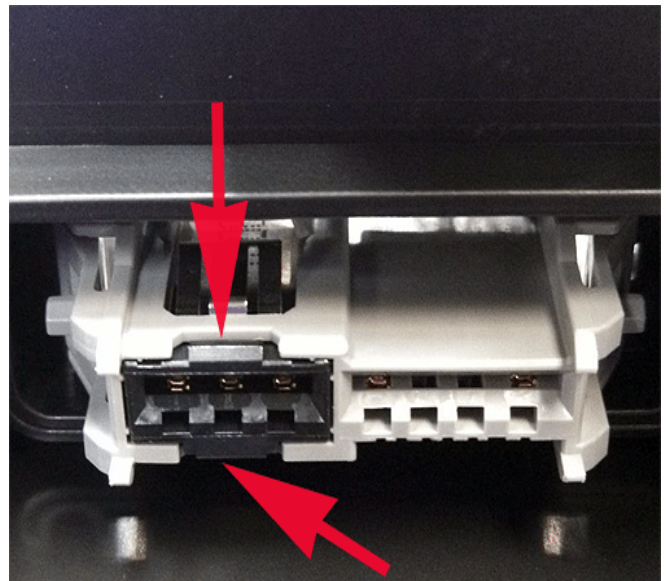
3687129

- 8. Check the HV Cable to ballast connector. This connection is required for projector operation.



3687135

Incorrect position, HV Cable tabs not fully seated in grey housing (reposition as necessary)



3687132

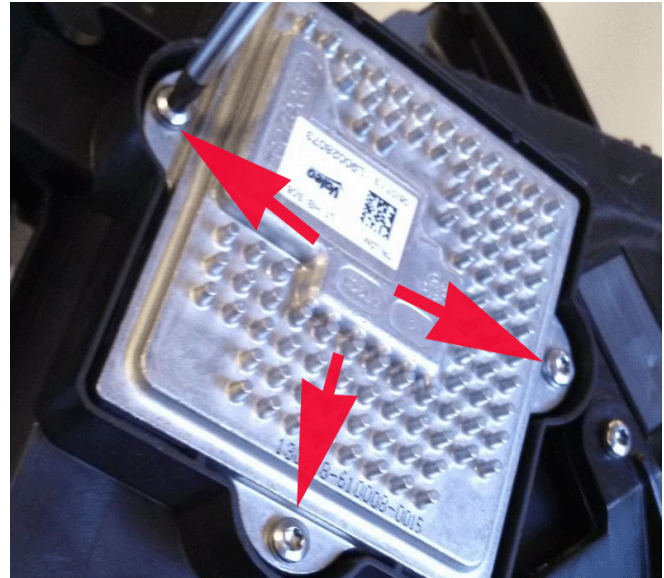
Correct position, HV Cable tabs seated in grey housing

- 9. Reinstall the ballast. The ballast should easily slide into place. Do not force it.



3687139

A slight gap can be seen between ballast and housing.



3687148

Remove the three fasteners that retain the module. Using a small flat blade screwdriver, gently pry the module away from the headlamp housing.

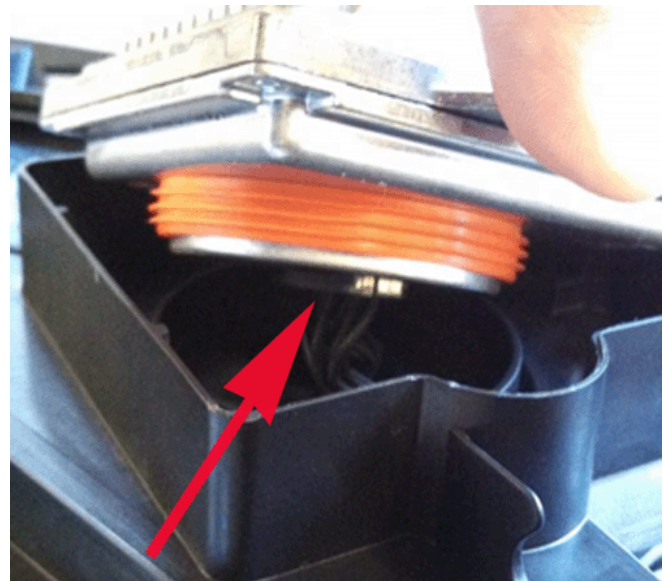


3687143

Install the two fasteners and tighten to 10.5 in-lbs. A gap can still be seen between ballast and housing. This is correct. Do not over tighten.

10. Check the harness connector to headlamp control module. This connector is on the back of the module and requires the module be removed from the headlamp housing for inspection.

Important: The module cannot be fully removed with the harness connected. Do NOT pull on the module and remove with extreme caution.



3687151

Visually check if the harness is connected. Slide your fingers between the module and housing to feel if the connection is secured.

11. Reinstall the module, install the three fasteners and tighten to 10.5 in-lbs.
12. Reinstall the affected headlamp assembly. Refer to Headlamp Replacement in SI. Check for operation before installing the related components.