

RADIOFLYER'S C6 D2S/LED HEADLIGHT UPGRADE INSTALLATION GUIDE

Parts list.

- (2) D2S HID bulbs
- (2) D2S - AMP Adapters
- (2) HID ballast Adapter harnesses
- (2) Cover plates
- Tall weather strip
- Thin weather strip
- H9 LED bulbs
- High beam weather seal

You will need the following tools:

- Jack/Jackstands
- Tools to remove wheel
- Panel pin removal tool (I prefer the metal ones)
- 7mm and 10mm socket wrench
- Torx 10 screwdriver
- Scissors

Optional (recommended) tools and equipment:

- LED head lamp or small shop light
- Creeper or cardboard
- It doesn't hurt to have a parts tray.
- Telescoping magnet
- Flathead screwdriver
- shop glasses

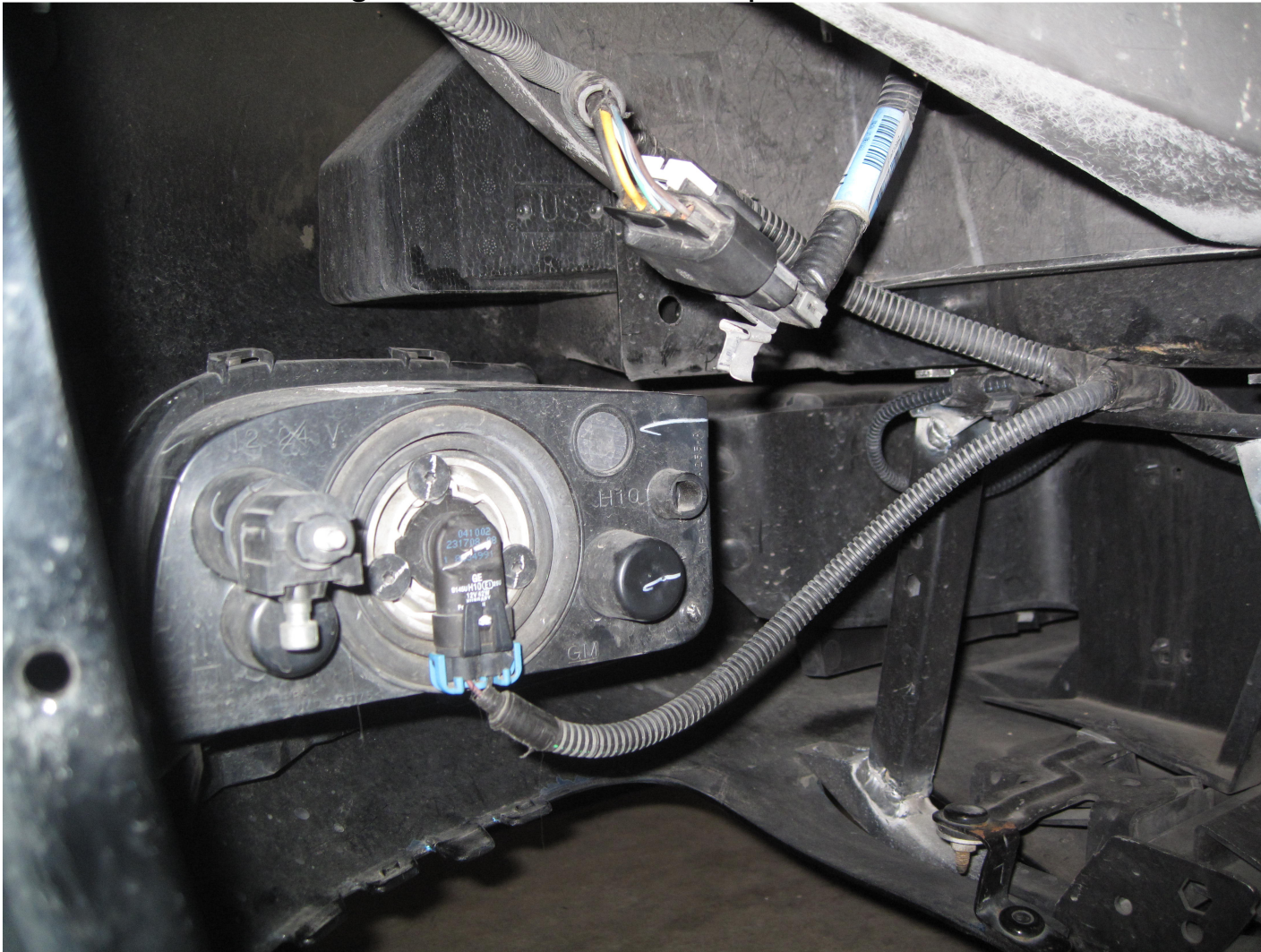
1. Lift car and remove wheel.
2. remove the 10mm nut circled



3. Remove the shown panel pins. The access panel and front of wheel well can be removed in a single piece.



4. Disconnect fog light bulb from harness. Remove fog light by removing the three 7mm on the bottom of the housing that hold it to the bumper.

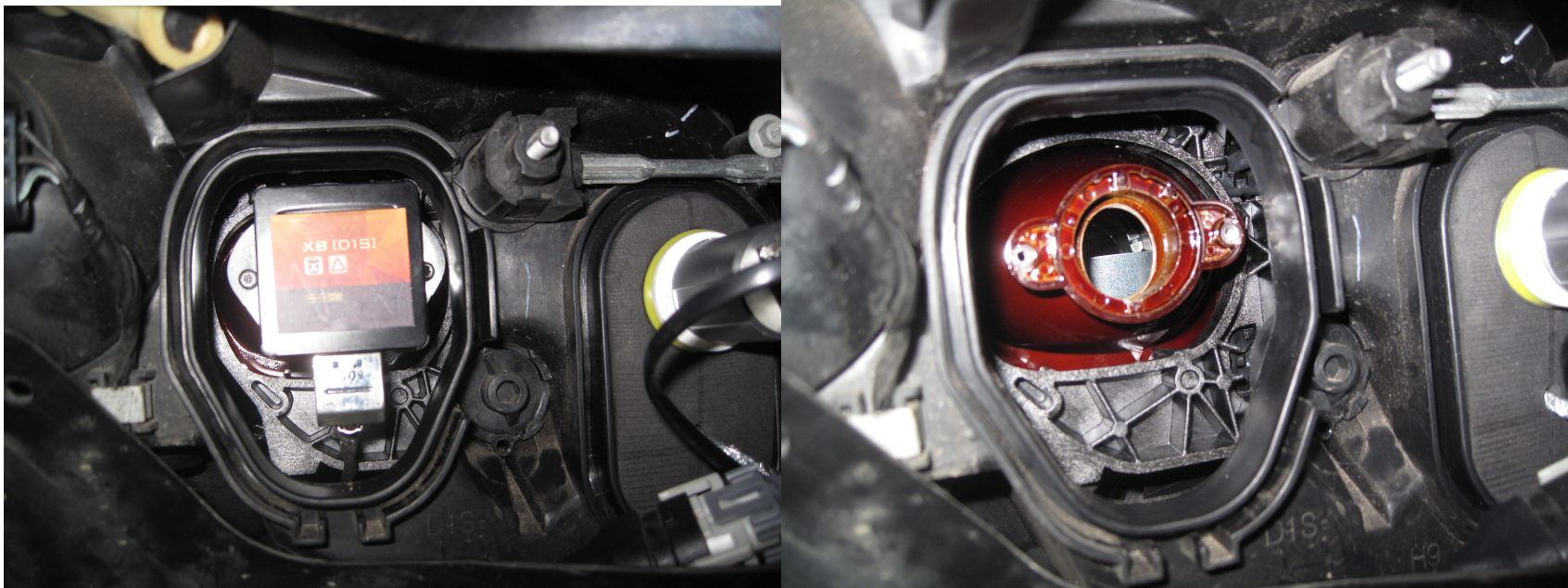


5. Remove high beam dust cover. (this will not be re-used) The high beam harness will go through the slit cut in the high beam dust seal. Press the new seal into place around the high beam opening. Connect the LED bulb's connector to the high beam connector making sure to line up the (-) symbol with the black wire and the (+) symbol with the green wire. Insert the high beam bulb and fold the heat sink mesh around the sides. (These get warm, but nowhere near hot enough to cause any damage. They are meant to keep the LED at a safe operating temperature)



6. Disconnect and Remove the low beam bulb by removing the two T10 screws on the retaining clip. (If you drop these, don't worry, you can scoop them up with your fingers once the bulb is removed) Carefully insert the D2S bulb in the low beam location and secure it with the factory bulb retaining clip.

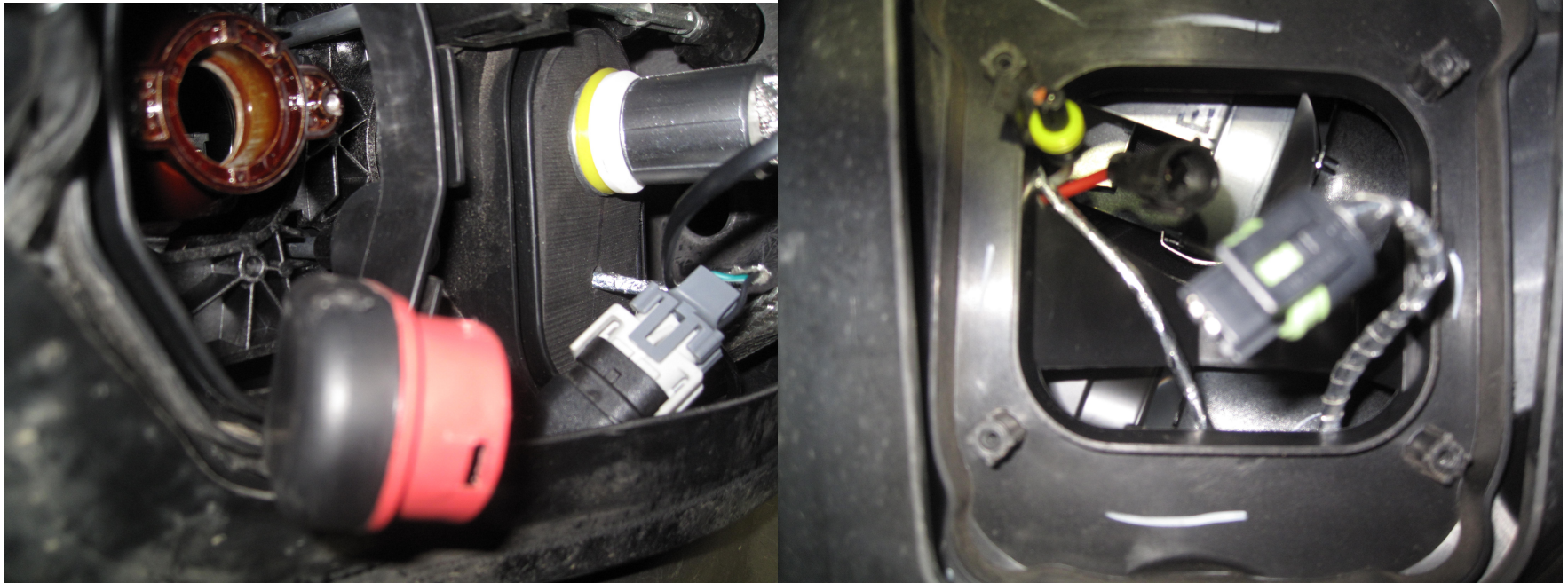
IMPORTANT: DO NOT TOUCH THE GLASS OF THE HID BULB.
(If you accidentally do, wipe it with an alcohol pad.)



7. Back on the underside, remove the HID ballast from the bottom of the headlight housing by removing the four 7mm screws. You'll see 2 connectors. Remove the connector with the green seal. Gently remove the HID ballast and the rest of the harness connected to it. Set this aside.



8. Insert the D2S/AMP adapter from the wheel well side of the headlight and fish the AMP connectors through until you feel them in the bottom of the headlight housing and pull it through just enough to make the connections.



9. Mount the HID ballast in a suitable location using 3M tape. (the frame rail is a suitable location.)
10. Connect the supplied HID ballast adapter harness to the green-seal connector you recently removed from the OEM HID ballast. Connect the other end to the new HID ballast making sure to line up the wire color with the correct polarity markers (black to -, red to +)
11. Connect the AMP connectors from the D2S AMP adapter to the output wires of the HID ballast. The connectors themselves will be on the inside of the headlight when the seal plate is installed.



12. Install the thick weather strip around the edges of the mounting plate allowing space for the screw holes. Install the thick weather strip in the same side across the notch cut out for the wires. Use scissors to cut a slit along this cutout to allow the wires to pass through.
13. Slide the HID wires and the low beam harness-to-ballast wire through the notch and mount the seal plate using the factory screws and
14. Mount the black box coming off the HID ballast to the seal plate using 3M tape
15. Connect the D2S Adapter to the HID bulb by pressing in and twist-locking it into place.



16. Test the light function.
17. Repeat for second side.

You may want to re-aim your headlights as well. Factory spec has them aimed slightly lower than many would prefer. As long as you are aimed no higher than zero degrees elevation on the low beam, you will not blind traffic on level roads.