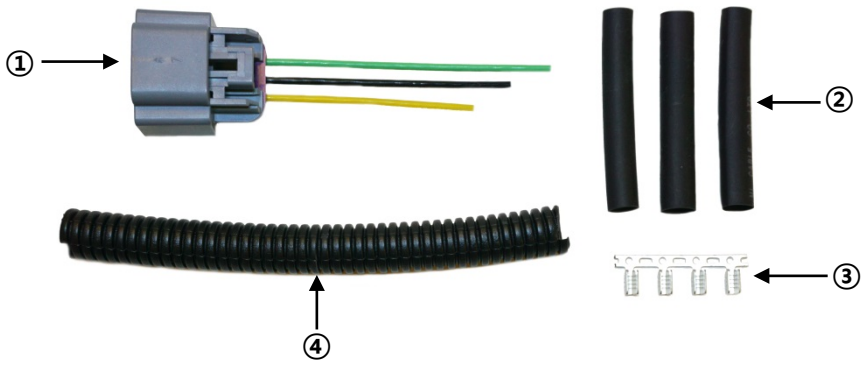
	GROUP	MODEL
	ELE	**2014~2015MY Soul (PS)**
	NUMBER	DATE
	093	**December 2015**

TECHNICAL SERVICE BULLETIN

SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

This bulletin provides information about replacing the bulb connector in the headlamp assembly on some Soul (PS) vehicles, equipped with non-projector style headlamps and produced from August 26, 2013 through April 20, 2015, which may exhibit a heat-deformed headlamp bulb connector. To correct this concern, replace the affected headlamp bulb connector by following the procedure outlined in this TSB. **NOTE: vehicles equipped with projector-style headlamps are NOT affected.**

Contents (per kit)	Figure
1. Headlamp Bulb Connector (x1)	
2. Heat Shrink Tube (x3)	
3. Crimp-on Connector (x4)	
4. Split Wire Loom (x1)	

★ NOTICE

Do NOT replace the headlamp assembly for the connector concern, as described above. Unnecessary headlamp assembly replacement claims may be subject to charge-back.

File Under: <Electrical>

Circulate To: ☒ **General Manager** ☒ **Service Manager** ☒ **Parts Manager**

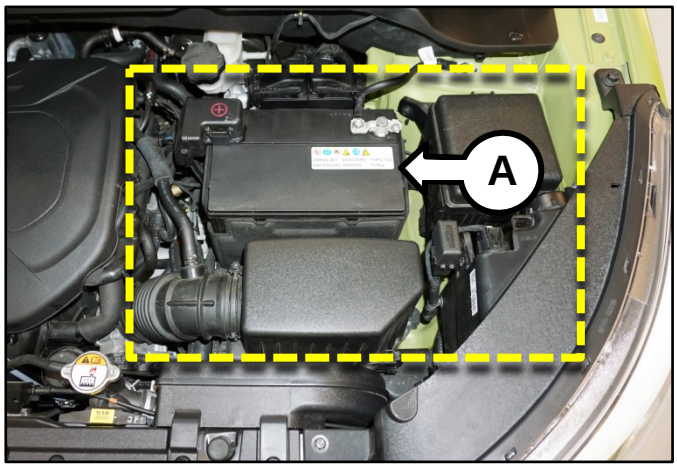
☒ **Service Advisor(s)** ☒ **Technician(s)** ☒ **Body Shop Manager** ☐ **Fleet Repair**

SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

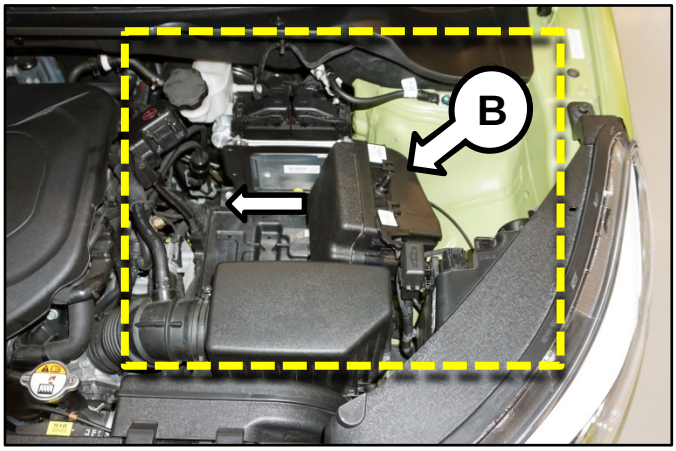
Service Procedure:

1. Record the customer's radio presets.

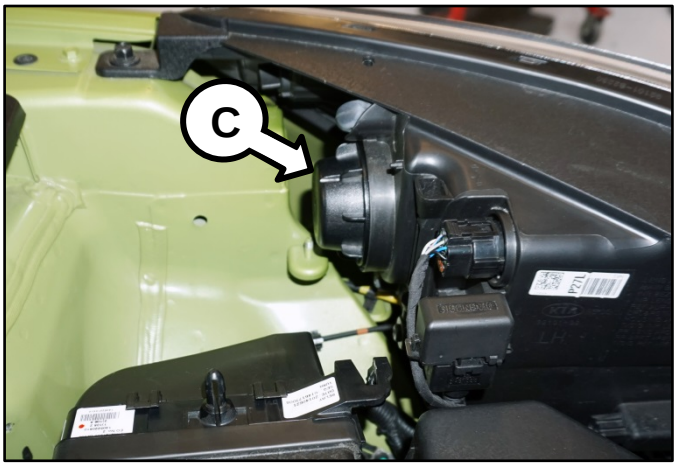
2. Disconnect the battery terminals and remove the battery (A) from the vehicle.



3. Remove one (1) bolt securing the junction box (B) to the chassis. Then, move the junction box inward to allow for greater access to the back of the headlamp housing.

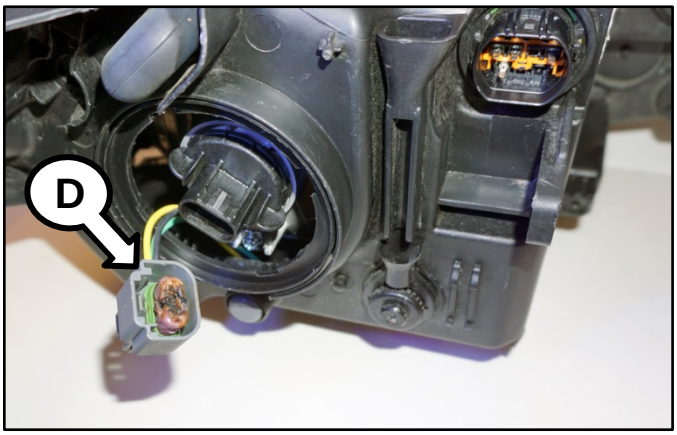


4. Remove the headlamp dust cap (C) from the headlamp housing.



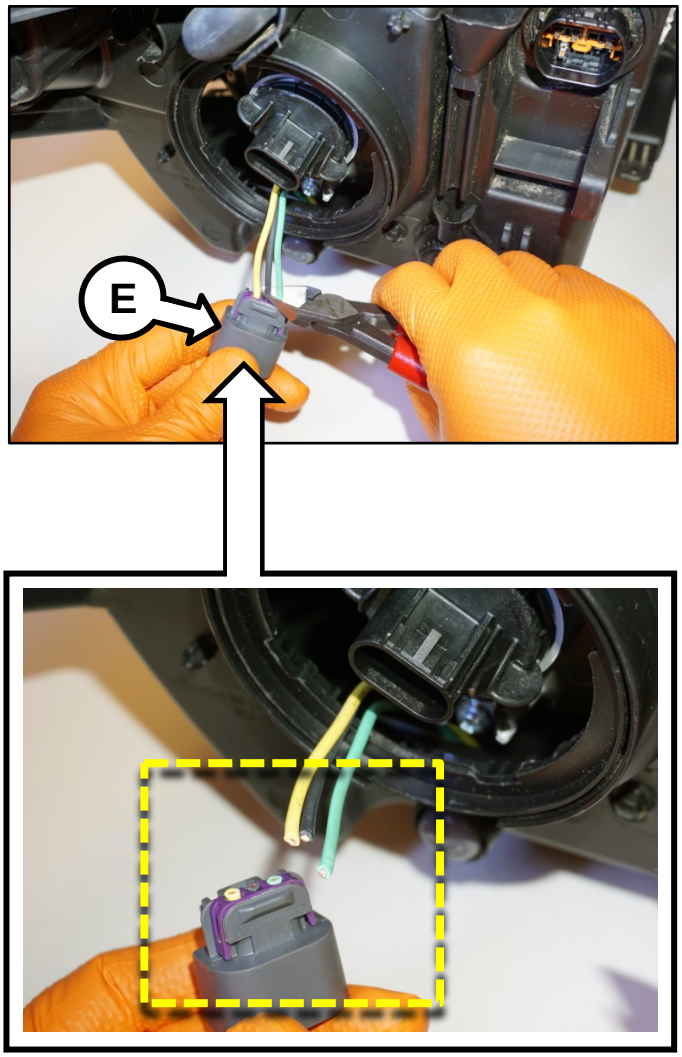
SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

5. Disconnect the headlamp connector (D) from the bulb and confirm heat deformation. If heat deformation is confirmed on either headlamp connector, replace the connectors on BOTH the RH and LH headlamp assemblies.



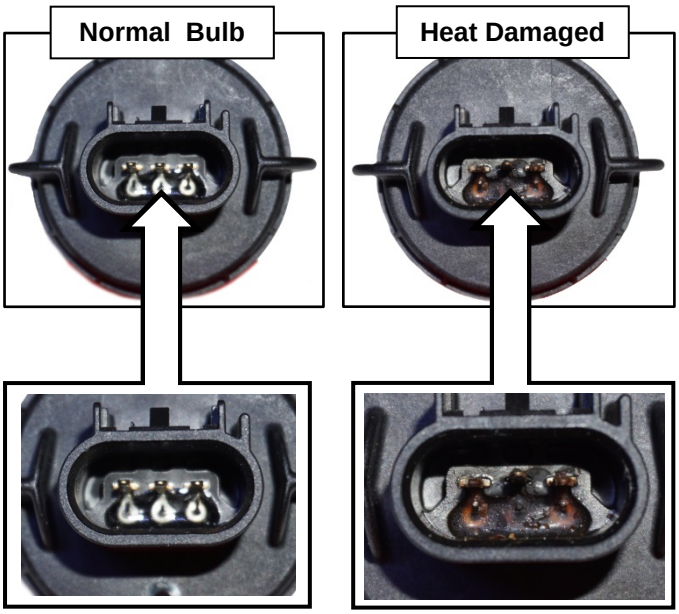
Headlamp removed from vehicle for illustration purposes

6. Use a pair of wire cutters to remove the connector (E) from the headlamp wiring harness. **NOTE: cut the wires as close to the base of the connector as possible.**

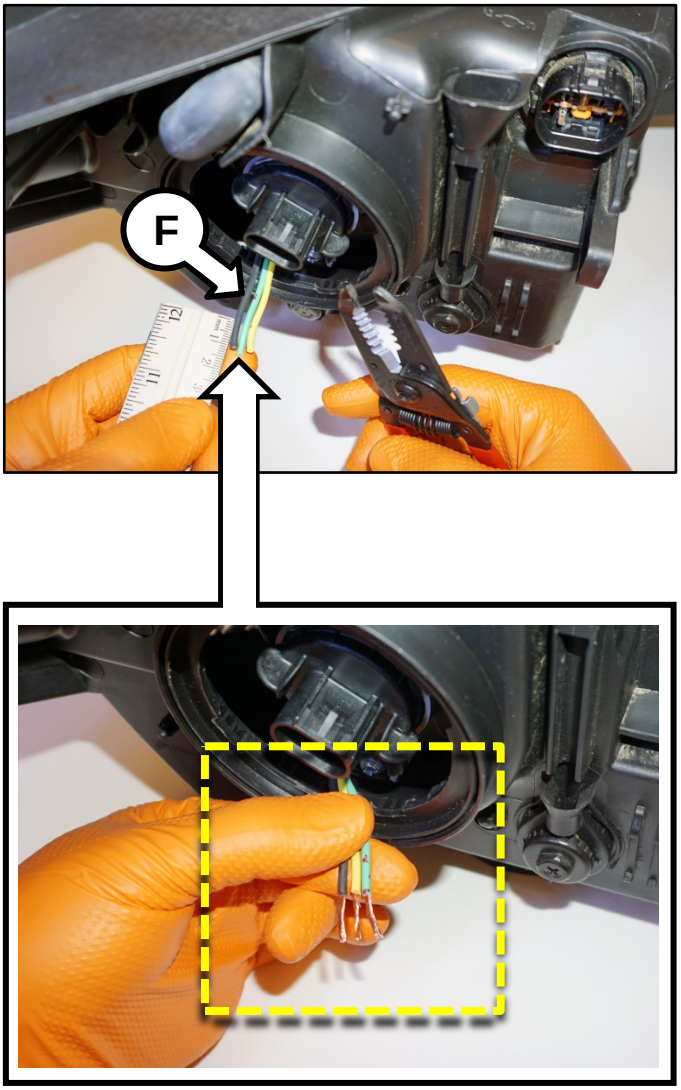


SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

7. Inspect the bulb to make sure that there is no heat damage present. **NOTE: if the bulb is damaged, replace as necessary**.

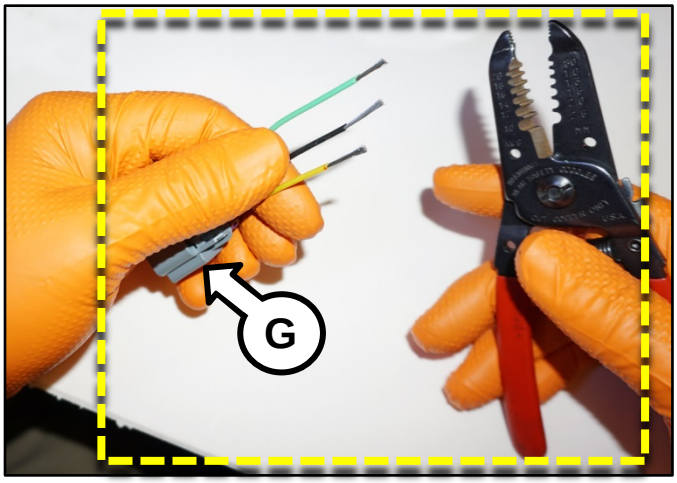


8. Use a pair of wire strippers to strip 10mm (0.4”) from the three (3) headlamp harness wires (F), as shown.

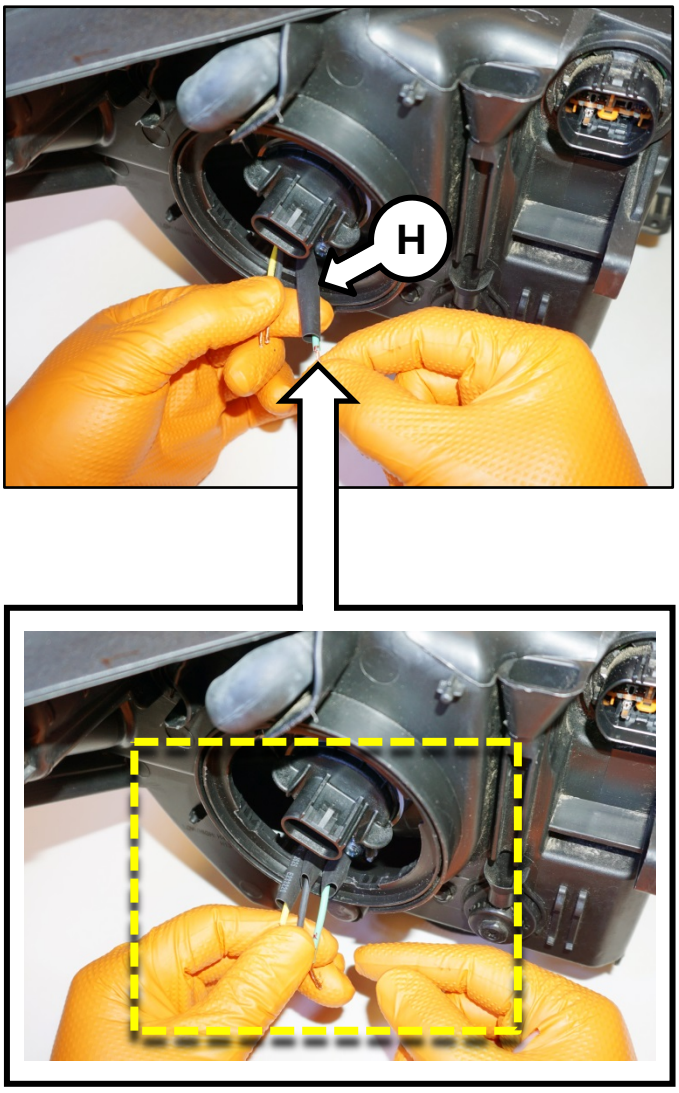


SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

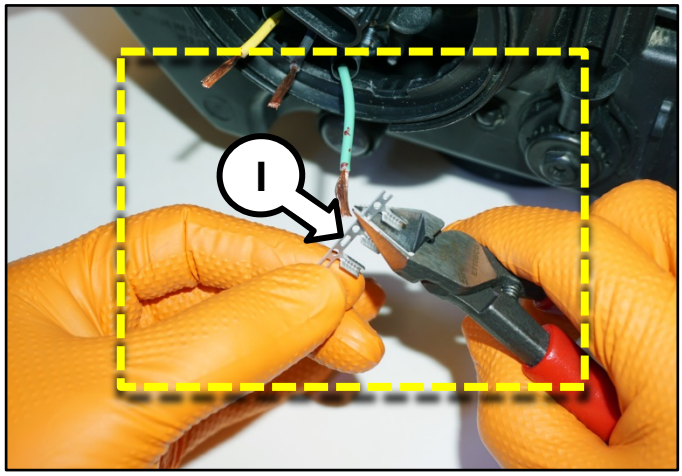
9. Use a pair of wire strippers to strip 10mm (0.4”) from the three (3) replacement headlamp connector (G) wires, as shown.



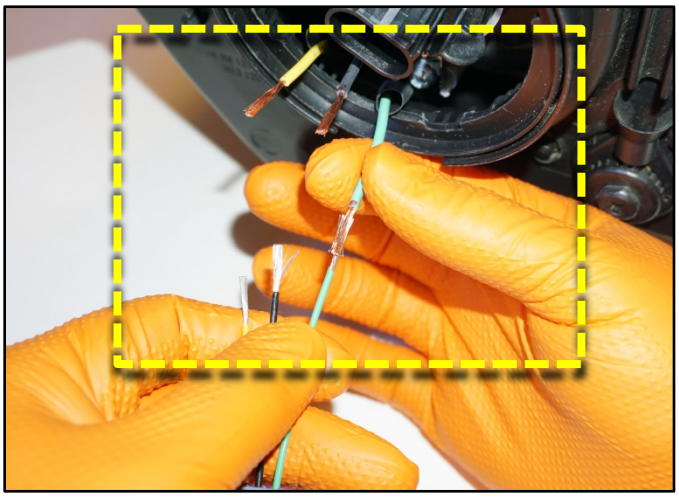
10. Insert one (1) heat shrink tube (H) onto each of the three (3) headlamp harness wires. **NOTE: be sure to push the heat shrink tubes into the headlamp housing to allow for working space.**



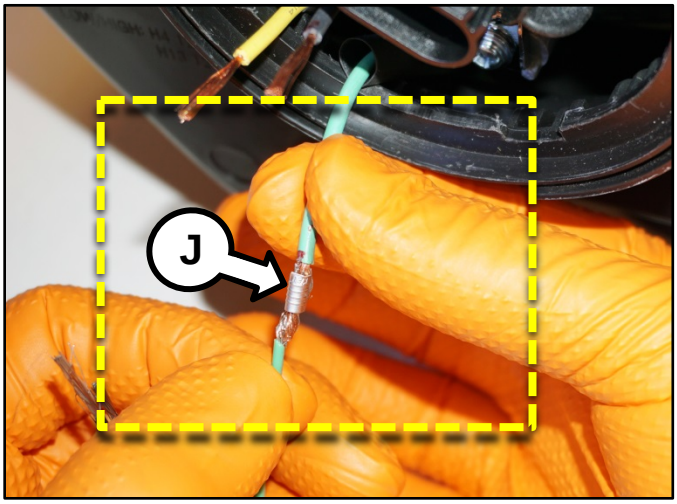
11. Use a pair of wire cutters to separate the crimp-on connectors (I), as shown.



12. Insert the loose stranded wires from each harness wire into each other, as shown. **NOTE: make sure the wire pairs are matched by color.**

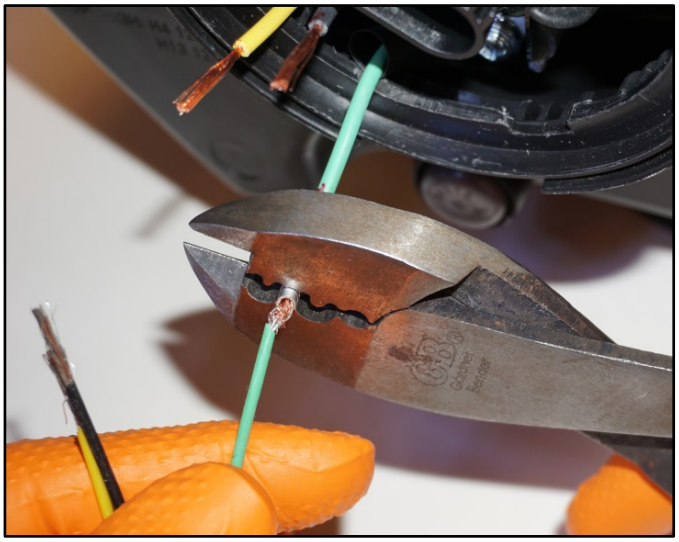


13. Use a crimp-on connector (J) to connect each wire from the headlamp harness to the wires on the replacement headlamp connector.

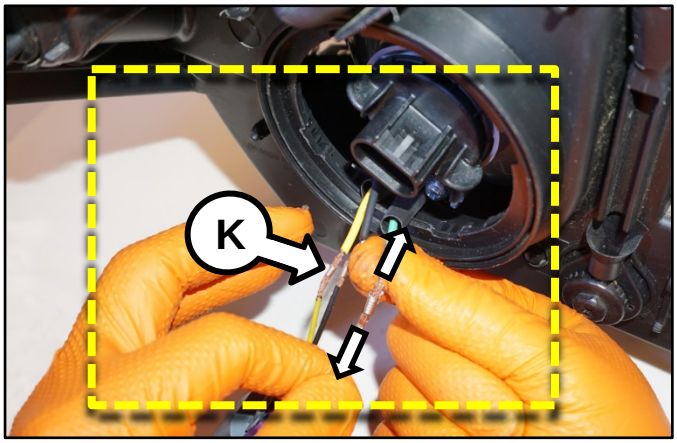


SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

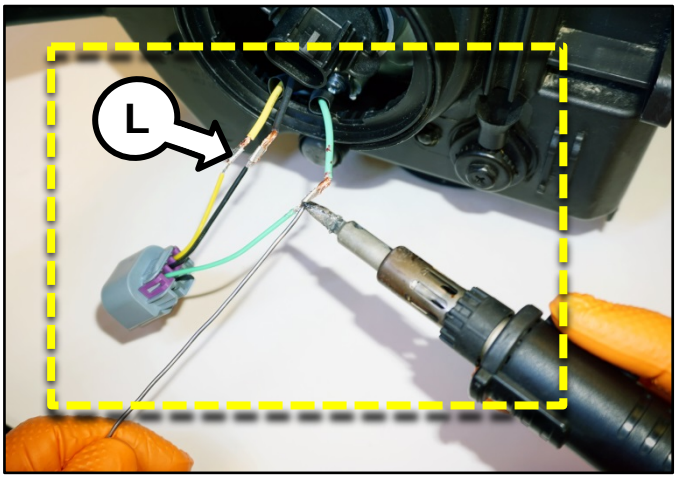
14. Use a pair of wire crimpers to secure the crimp-on connector in place, as shown. Repeat crimping operation on the remaining two (2) wire pairs.



15. After crimping all three (3) connections, perform a pull test on each of the crimped joints (K) to verify a secure mechanical connection.



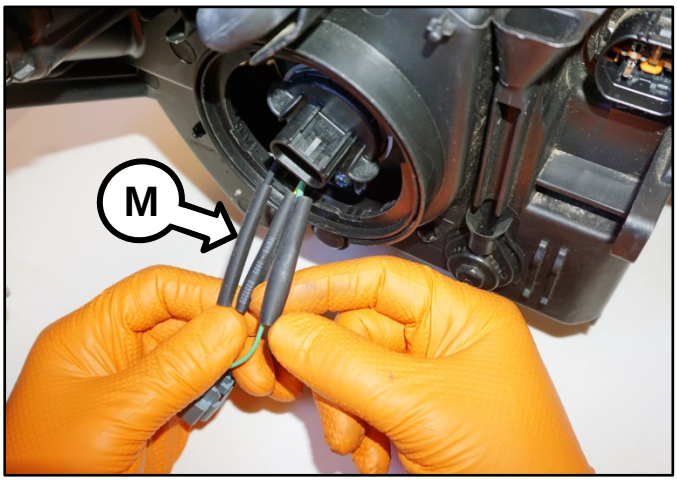
16. Using suitable soldering equipment, apply solder (Rosin Core 60/40) to all three (3) crimped connections (L), as shown.



WARNING

- **Do NOT use acid core / plumbing solder to perform the repair.**
- **Use care when using the soldering tool to avoid damage to the harness or possible personal injury.**

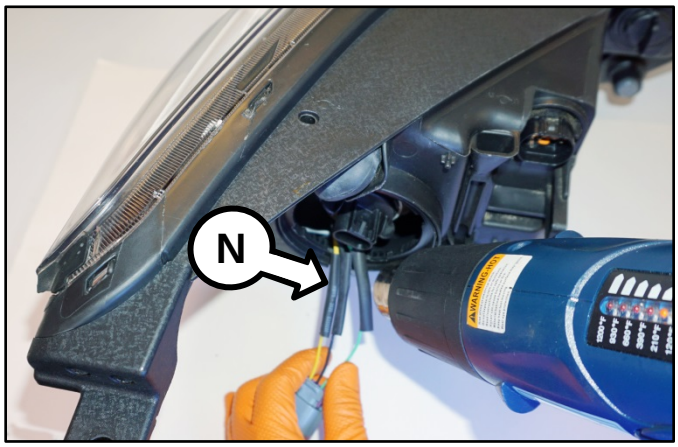
17. Slide three (3) heat shrink tubes (M) over the three (3) soldered connections on the headlamp harness.



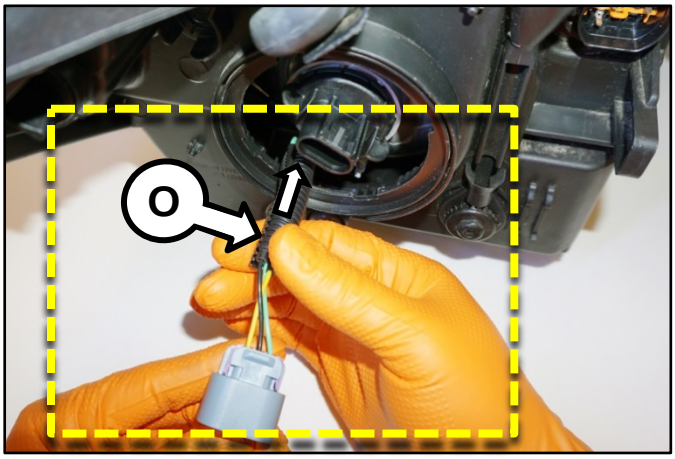
18. Use a heat gun to shrink all three (3) heat shrink tubes (N) tightly over the headlamp harness wires. **NOTE: set the heat gun to between 200 °F and 300 °F.**

⚠ CAUTION

To prevent damage to the wiring harness, do NOT use an open flame, such as from a torch or lighter, to shrink the tubes.

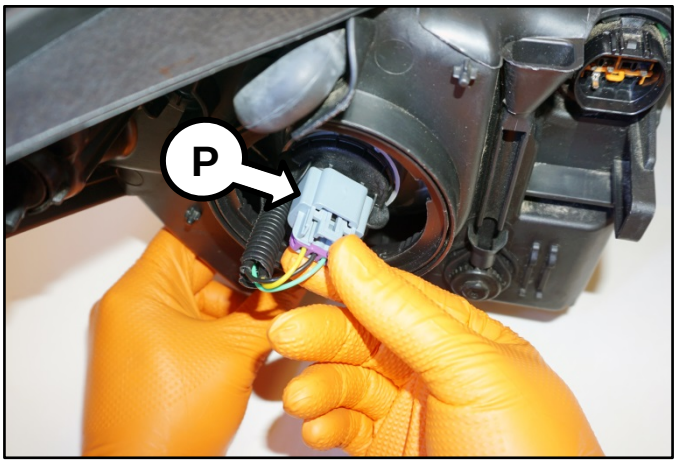


19. Insert the split wire loom (O) over the headlamp harness, as shown. **NOTE: be sure to insert the split wire loom far enough into the headlamp housing to allow for some exposed wiring harness near the connector.**



SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT

20. Insert the replacement connector (P) onto the bulb and reinstall the headlamp dust cap.



21. Repeat the procedure above on the passenger side headlamp starting from step 4.

22. Reinstall the junction box in place.

23. Reinstall the battery in the vehicle.

24. Verify proper headlamp bulb operation (high and low beam).

25. Restore the customer's radio presets, as recorded in step 1.

SUBJECT: HEADLAMP BULB CONNECTOR REPLACEMENT **TAB 8**

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Soul (PS) (Excl. Exclaim models)	From August 26, 2013 through April 20, 2015

REQUIRED PART:

Part Name	Part Number	Qty.	Figure
Headlamp Connector Repair Kit	92170 B2270FFF	2	

RELATED PART:

Part Name	Part Number	Figure
Headlamp Bulb	18647 60559	

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	92102 B2270	0	A31	ZZ2	(ELE 093) Headlamp Connector Replace (LH/RH)	92102F00	0.6 M/H	92170 B2270FFF	2