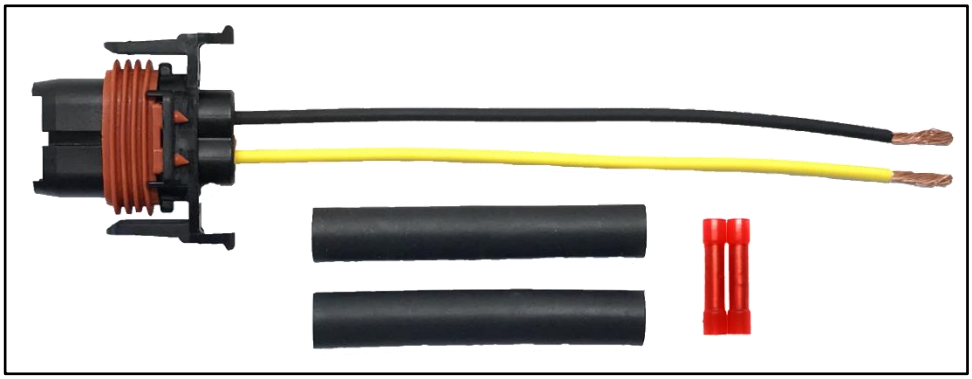
	GROUP	MODEL
KIA	**ELE**	**2011-2013MY Sorento (XMa)**
	NUMBER	DATE
	179	**April 2019**

TECHNICAL SERVICE BULLETIN

SUBJECT: HALOGEN LOW BEAM BULB CONNECTOR REPLACEMENT

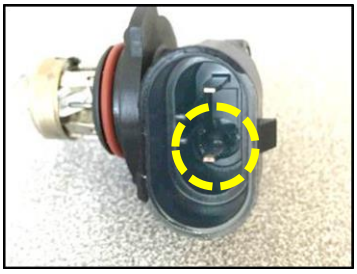
This bulletin provides the procedure to replace the halogen low beam bulb connector on some 2011 - 2013MY Sorento (XMa) vehicles, produced from October 24, 2009 through January 31, 2013, which may experience an inoperable low beam bulb due to poor terminal contact at the low beam bulb connector. This condition on the affected headlamp does not affect the other low beam. In addition, the high beams continue to function at all times. Follow the procedure outlined in this bulletin to replace the low beam bulb connector.



✶ IMPORTANT

This TSB is part of Warranty Extension WTY012. Only the <u>affected</u> headlamp low beam connector should be replaced. If the low beam bulb is inoperative due to damage by the electrical connector from poor terminal contact, replace the low beam bulb after fulfilling the KVID requirement:

- **Remove the affected halogen low beam bulb from the headlamp and take one (1) KVID photo of the damaged bulb terminal(s) (Attachment Type: 'XX'). Ensure the affected area of the terminal is clearly visible in the photo.**



File Under: <Electrical>

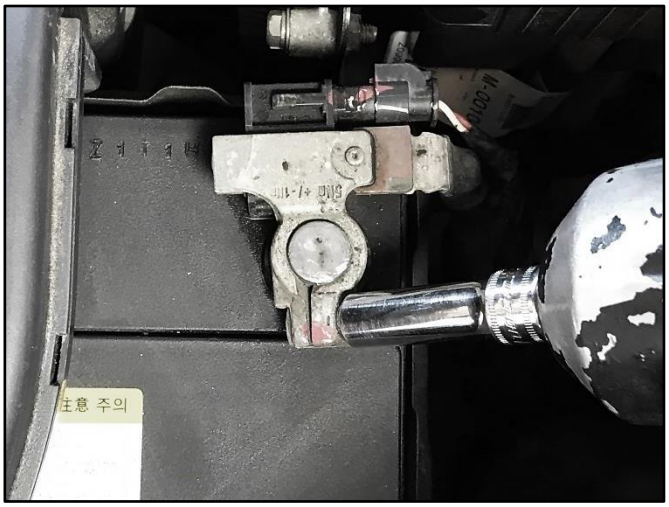
Circulate To: ☒ **General Manager** ☒ **Service Manager** ☒ **Parts Manager** ☒ **Service Advisors** ☒ **Technicians** ☒ **Body Shop Manager** ☒ **Fleet Repair**

SUBJECT: HALOGEN LOW BEAM BULB CONNECTOR REPLACEMENT

Service Procedure:

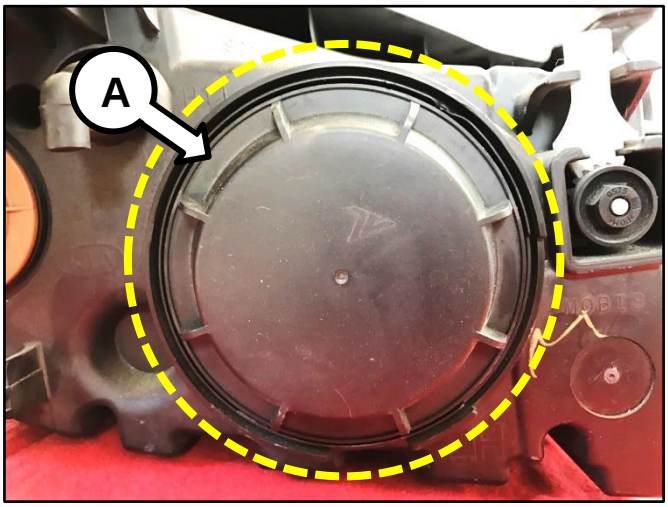
1. Record or retain the customer's radio presets using the Memory Saver.

2. Disconnect the negative (-) battery terminal.



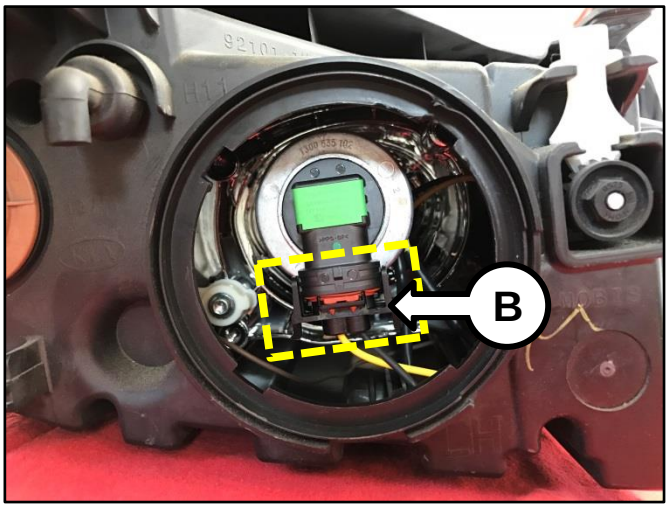
3. Remove the low beam dust cap (A) on one side of the vehicle.

Headlamp was removed from the vehicle for demonstration purposes only.



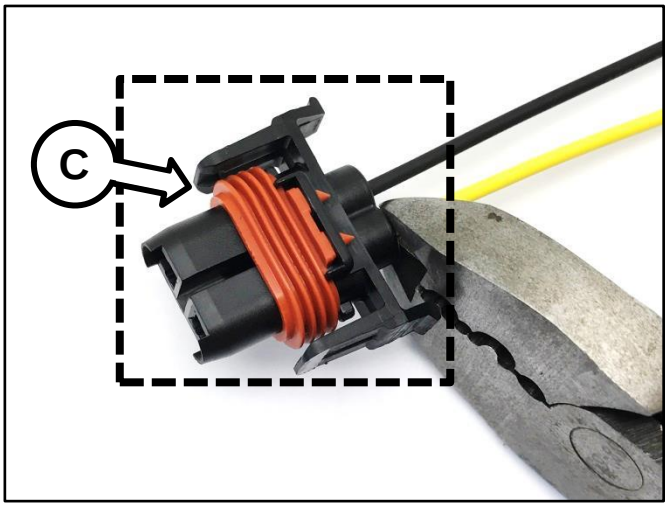
4. Disconnect the low beam bulb connector (B). If the low beam bulb terminal(s) is/are damaged, remove the bulb from the headlamp and take one (1) KVID photo of the damaged bulb terminal(s) (Attachment Type: 'XX').

   Ensure the affected area of the terminal is clearly visible in the photo (see page 1).

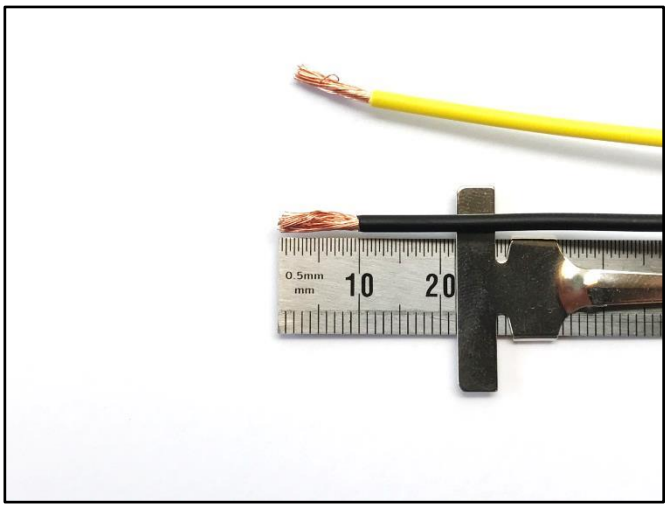


SUBJECT: HALOGEN LOW BEAM BULB CONNECTOR REPLACEMENT

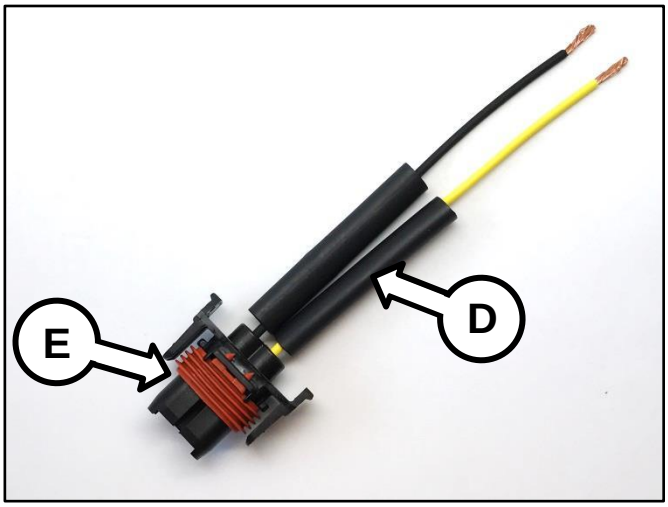
5. With a pair of wire cutters, remove the old low beam bulb connector (C) from the low beam bulb wiring harness. **NOTE: cut the wires as close to the base of the connector as possible.**



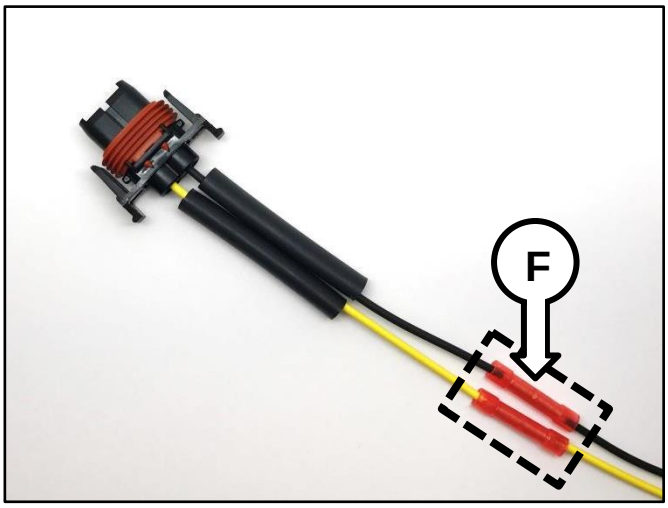
6. With a pair of wire strippers, strip 10mm (0.4”) from the two (2) low beam bulb wiring harness.



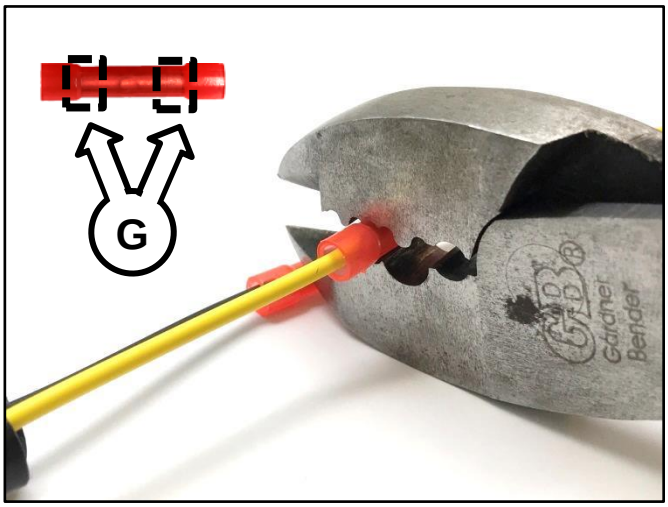
7. Insert one (1) heat shrink tube (D) onto each of the two (2) wires of the new connector (E).



8. Use the butt splice connectors (F) provided to join the new connector and low beam bulb wires. Match the wires of the new connector and low beam bulb wires by the wire color, as shown.

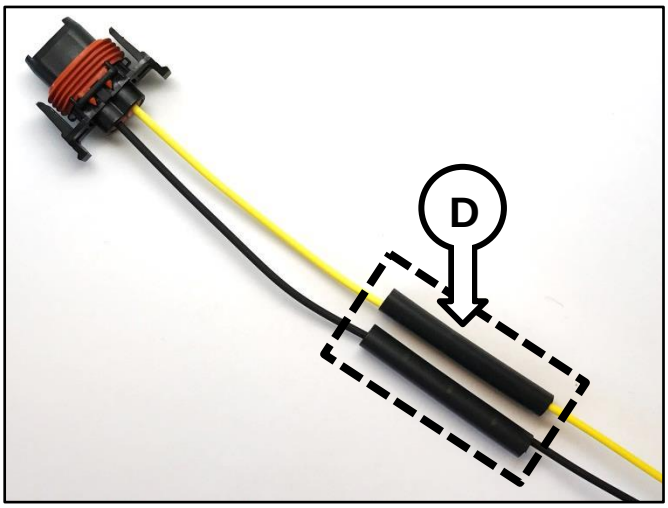


9. Crimp the butt splice connectors at two (2) locations (G) of each connector for both wires.

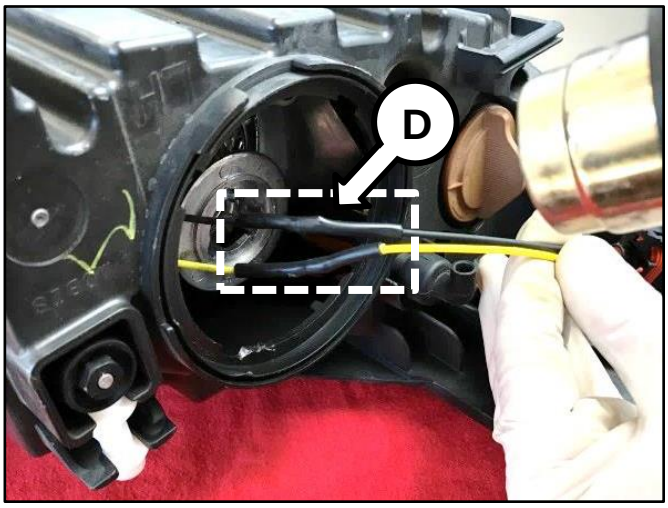


10. After crimping both wires, perform a pull test on each of the crimped sections to verify a secure connection.

11. Slide the two (2) heat shrink tubes (D) over the two (2) crimped butt splice connectors.



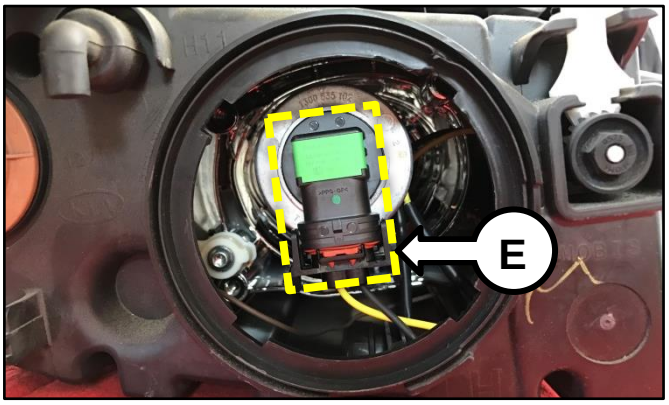
12. With a heat gun, shrink both heat shrink tubes (D) tightly over the crimped joints. **NOTE: set the heat gun to between 200°F and 300°F.**



⚠ CAUTION

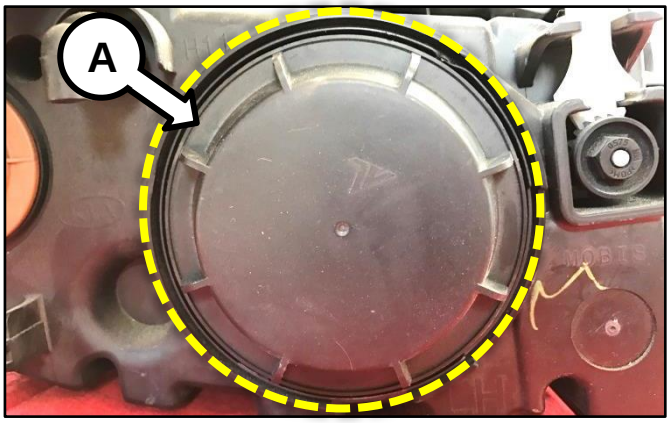
To prevent damage to the wires and headlamp, do NOT use an open flame, such as a torch or lighter, to shrink the tubes. Use caution not to damage the wires or headlamp when using any source of heat.

13. Install the new connector (E) to the low beam bulb.



14. Reconnect the negative (-) battery terminal.

15. Verify proper operation of the low beam bulbs and then reinstall the dust cap (A).



16. Verify that the customer's radio presets were retained. Reprogram if necessary.

TAB 12

SUBJECT: HALOGEN LOW BEAM BULB CONNECTOR REPLACEMENT

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sorento (XMa)	October 24, 2009 through January 31, 2013

REQUIRED PART:

Part Name	Part Number	Figure
Bulb Connector Kit	92165 1U000QQK	

RELATED PART:

Part Name	Part Number	Figure
Halogen Bulb	18649 55009S	

WARRANTY INFORMATION:

N Code: I11 C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	91407 2K050	0	Halogen Low Beam Bulb Connector Replacement, LH	92165F02	0.3 M/H	92165 1U000QQK	1
	91407 2K050	0	Halogen Low Beam Bulb Connector Replacement, RH	92165F03	0.3 M/H	92165 1U000QQK	1
	91407 2K050	0	Halogen Low Beam Bulb Connector Replacement, Both (LH & RH)	92165F04	0.4 M/H	92165 1U000QQK	2

Note: Halogen low beam bulb should only be replaced if inoperative due to poor terminal contact. If replacing low beam halogen bulb(s), photo(s) must be attached using the KVID app as a Warranty Claim Attachment type 'XX - Others'.

★ NOTICE

Do not replace the headlamp or <u>operable</u> bulb for this concern. Any associated claims for headlamp or bulb replacement are subject to review and chargeback.