	GROUP	MODEL
	Service Campaign	**2011-2012MY Sorento (XMa)**
	NUMBER	DATE
	SC149 (Rev 1, 05/10/2017)	**May 2017**

VOLUNTARY SERVICE CAMPAIGN

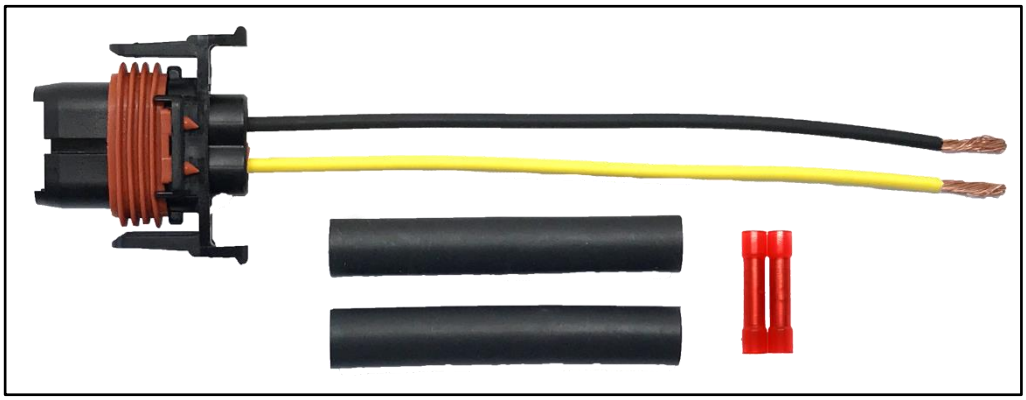
SUBJECT: HALOGEN HEADLAMP LOW BEAM CONNECTOR REPLACEMENT (SC149)

★ NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides the procedure to replace the halogen headlamp low beam connector wiring harnesses on some 2011-2012MY Sorento (XMa) vehicles, produced from April 25, 2011 through June 16, 2011. In a limited production of these vehicles, a small number of headlamp connectors may lose electrical contact with a low beam bulb in one of the headlamp assemblies. This condition on the affected headlamp does not affect the other low beam. Also, the high beams continue to function at all times.

Follow the procedure outlined in this bulletin to replace the low beam connector wiring harnesses. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



★ NOTICE

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

File Under: <Service Campaign>

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

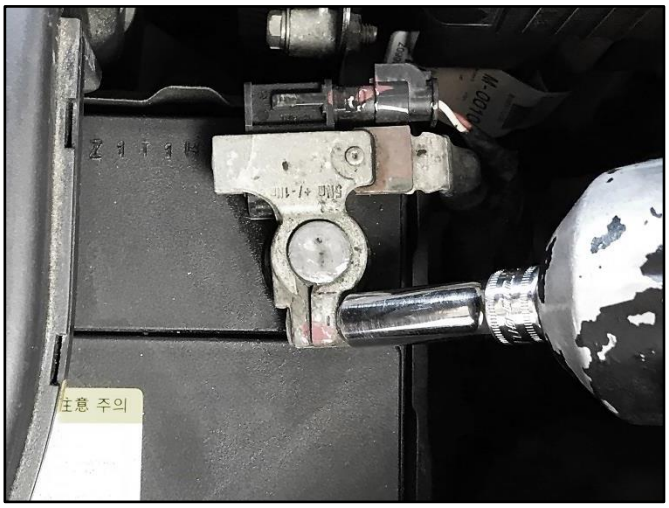
☒ **Service Advisors** ☒ **Technicians** ☒ **Body Shop Manager** ☒ **Fleet Repair**

SUBJECT: HALOGEN HEADLAMP LOW BEAM CONNECTOR REPLACEMENT (SC149)

Service Procedure:

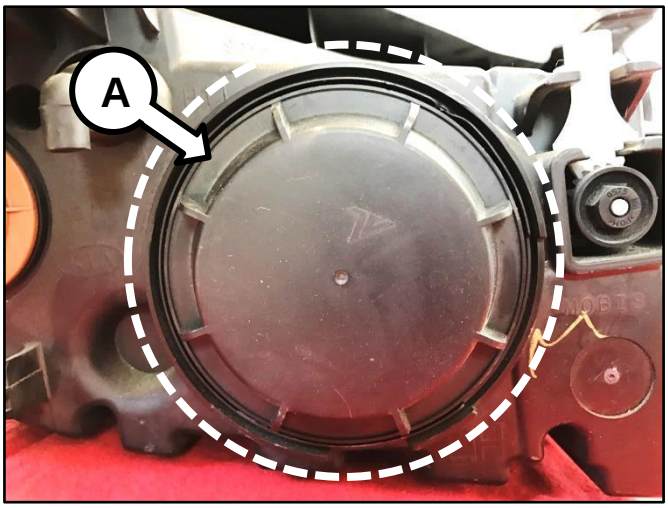
1. Record the customer's radio presets before proceeding to the next step.

2. Disconnect the negative (-) battery terminal.

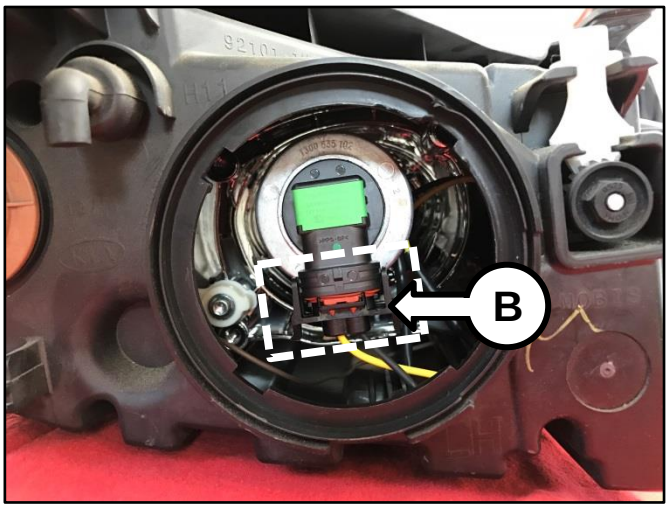


3. Remove the low beam dust cap (A) on one side of the vehicle.

Headlamp was removed from the vehicle for demonstration purposes only.



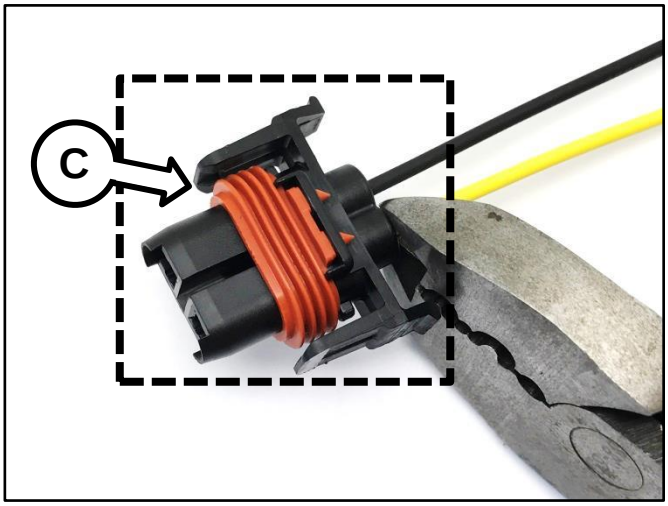
4. Disconnect the low beam bulb connector (B).



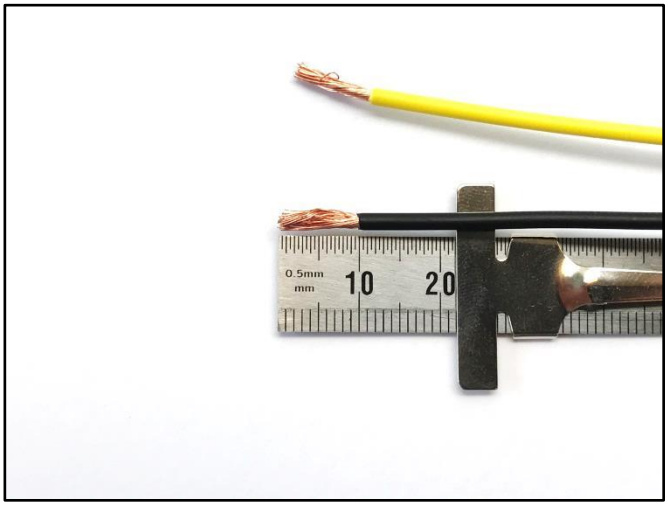
SUBJECT:

HALOGEN HEADLAMP LOW BEAM CONNECTOR REPLACEMENT (SC149)

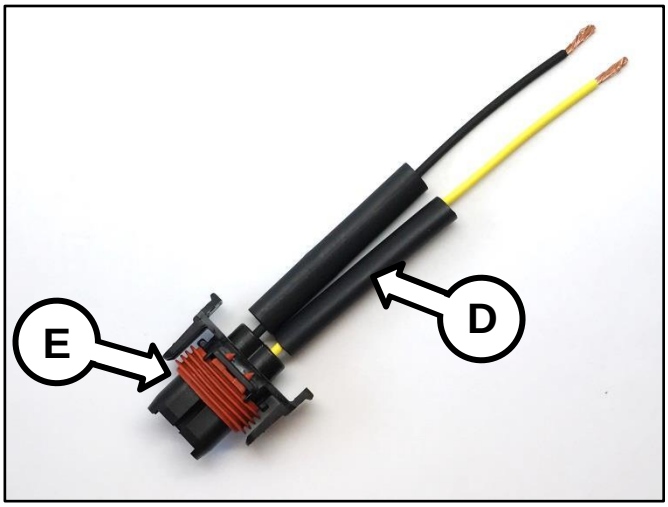
5. With a pair of wire cutters, remove the old low beam bulb connector (C) from the low beam bulb wiring harness. **NOTE: cut the wires as close to the base of the connector as possible.**



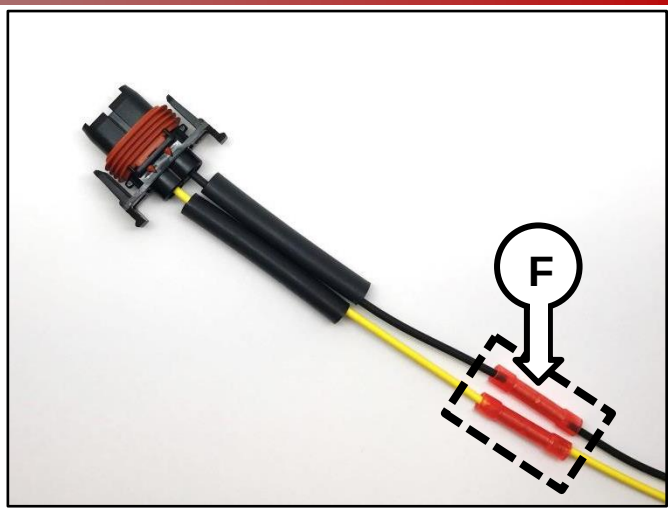
6. With a pair of wire strippers, strip 10mm (0.4”) from the two (2) low beam bulb wiring harness.



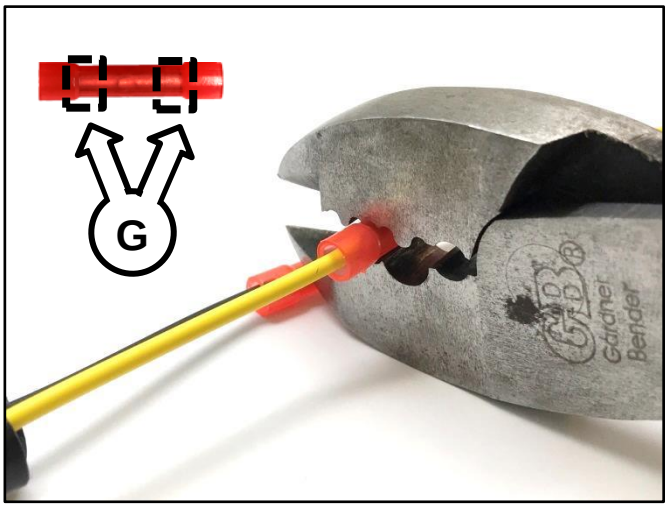
7. Insert one (1) heat shrink tube (D) onto each of the two (2) wires of the new connector (E).



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.

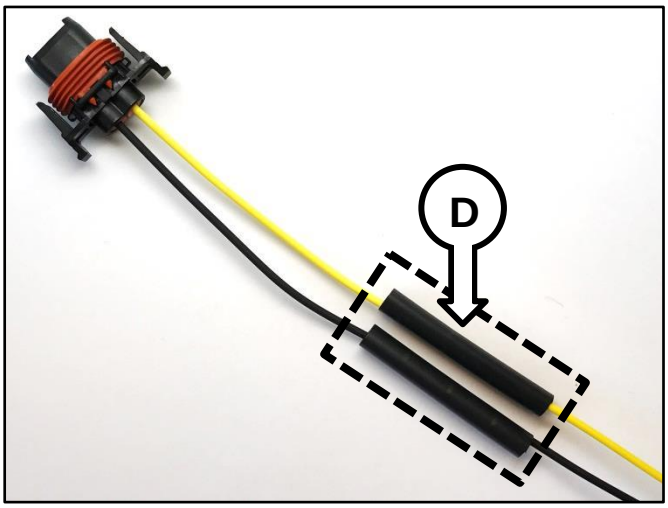


9. Crimp the butt splice connectors at two (2) locations (G) of each connector for both wires.



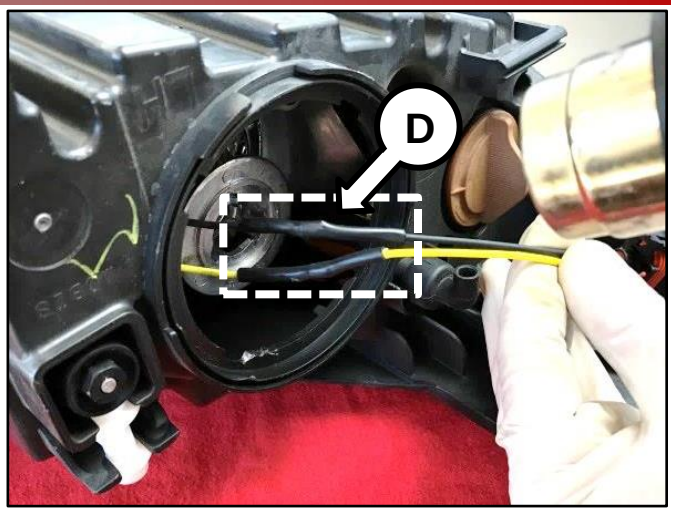
10. After crimping both wires, perform a pull test on each of the crimped sections to verify a secure connection.

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



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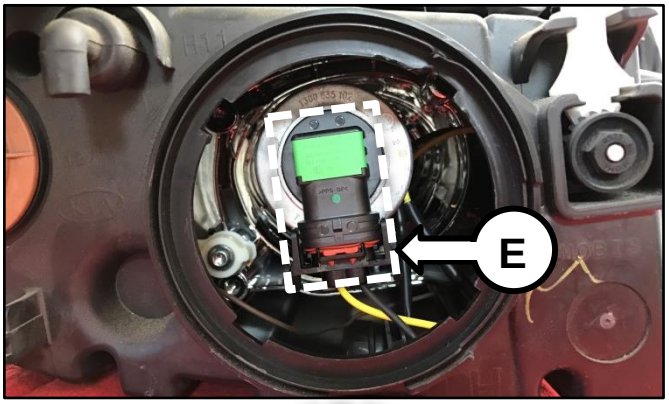
12. With a heat gun, shrink both heat shrink tubes (D) tightly over the crimped joints. **NOTE: set the heat gun to between 200°F and 300°F.**



⚠ CAUTION

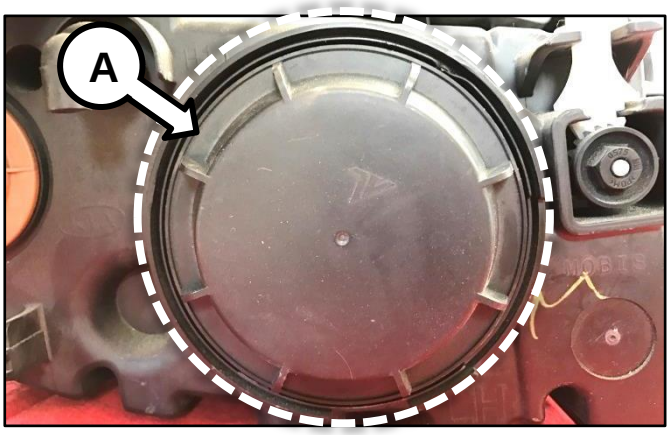
To prevent damage to the wires and headlamp, do NOT use an open flame, such as a torch or lighter, to shrink the tubes. Use caution not to damage the wires or headlamp when using any source of heat.

13. Install the new connector (E) to the low beam bulb and reinstall the low beam dust cap (A).



✶ NOTICE

Inspect the bulb to make sure that is there no heat damage present. If the bulb is damaged, replace as necessary.



14. Repeat steps 3 to 13 for the other headlamp.

15. Reconnect the negative (-) battery terminal.

16. Verify proper operation of the low beam bulbs and headlamps.

17. Reprogram the customer's radio presets if necessary.

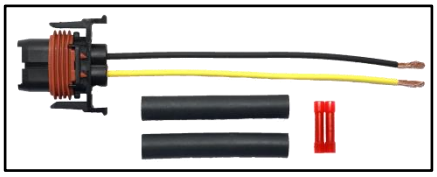
TAB 7

SUBJECT: HALOGEN HEADLAMP LOW BEAM CONNECTOR REPLACEMENT (SC149)

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sorento (XMa)	April 25, 2011 through June 16, 2011

REQUIRED PART:

Part Name	Part Number	Figure
Low Beam Connector Kit	92165 1U000QQK	

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	92101 1U200	0	(SC149) Halogen Headlamp Low Beam Connector Replacement, LH & RH	170A14R0	0.4 M/H	92165 1U000QQK	2

Note: Use sublet code X1 for reimbursement of low beam bulb if necessary (part no. 18649 55009S) ($28.00 maximum, $14.00 each bulb).

★ NOTICE

Do not replace the headlamp for this concern. Any associated claims for headlamp replacement are subject to review and chargeback.

★ NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC149 when accessing the WebDCS system.