	GROUP	MODEL
	ELE	**2010MY~** **See table below**
	NUMBER	DATE
	148	**January 2020**

TECHNICAL SERVICE BULLETIN

SUBJECT: HALOGEN HEAD LAMP
LOW BEAM BULB CONNECTOR REPLACEMENT

This bulletin provides information regarding the procedure to repair the bulb connector on some 2010MY~ vehicles listed on the table below, which may exhibit a bulb connector concern. To correct this concern, replace the connector with a new and improved part.

Application Table	
Model	**Model Code**
Cadenza	VG, YG
Forte	TD, YD
Niro	DE
Optima	TF, JF
Optima Hybrid	TF/JF HEV
Rio	UB
Sedona	VQ, YP
Sorento	XM, UM
Soul	AM, PS
Soul EV	PS EV
Sportage	SL, QL
Stinger	CK

File Under: <Electrical>

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

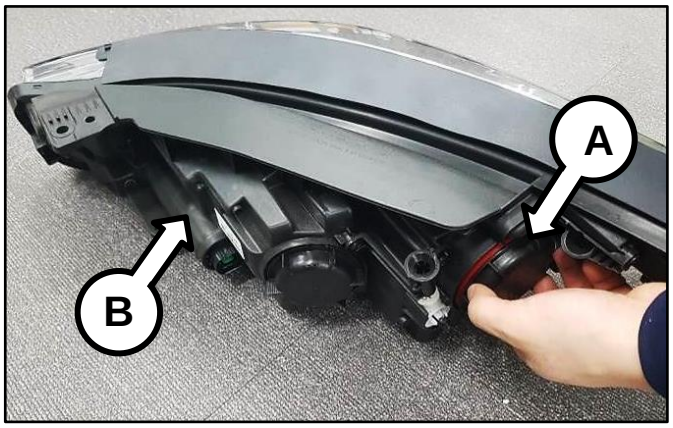
SUBJECT: HALOGEN HEAD LAMP LOW BEAM BULB CONNECTOR REPLACEMENT

TAB 11

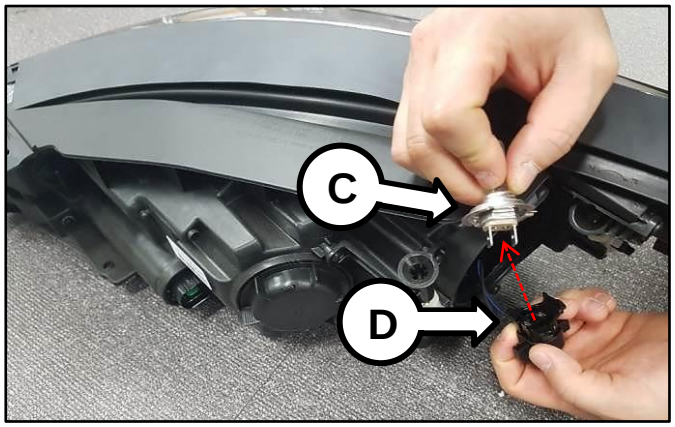
Repair Procedure:

1. Removal of the head lamp assembly may be required on some models for access. Remove the headlamp assembly by referring to the "Body electrical System → Lighting System → Head Lamps → Repair procedures" chapter in the applicable Shop Manual on KGIS.

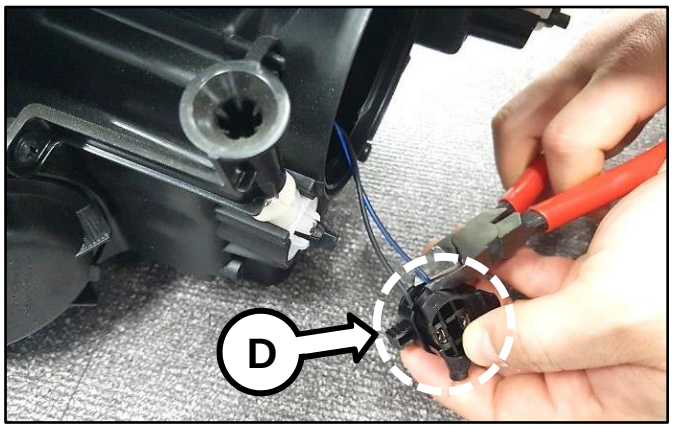
2. Remove the dust cap (A) from the headlamp assembly.



3. Disconnect the head lamp bulb connector (C) and remove the headlamp light bulb (D) from the connector.



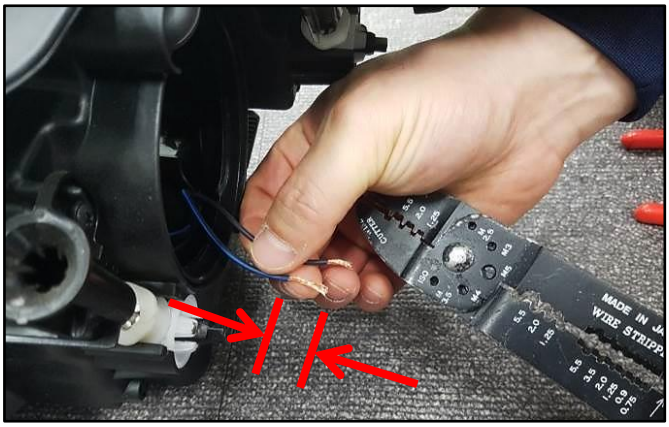
4. Using a set of wire cutters, cut the two (2) headlamp bulb connector wires as close to the connector (D) possible. Discard the bulb connector (D).



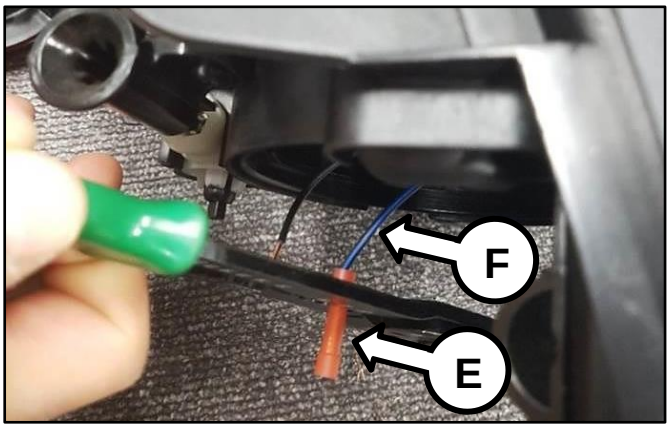
SUBJECT:

HALOGEN HEAD LAMP LOW BEAM BULB CONNECTOR REPLACEMENT

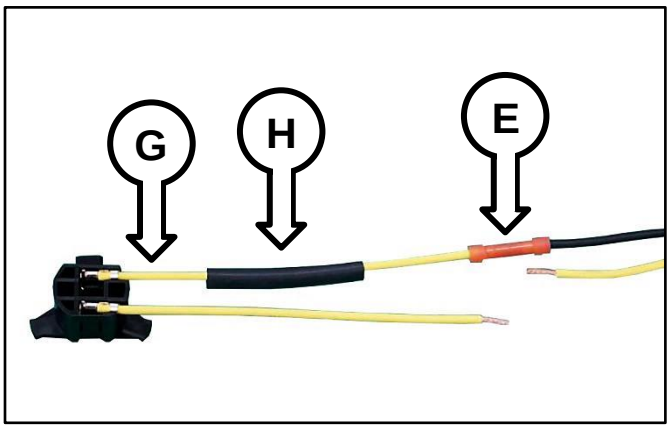
5. Using a set of wire strippers, strip the wire insulation approximately 10mm from the two (2) wire ends as shown.



6. Insert the stripped headlamp wire end (F) into the butt connector (E). Crimp the connector to the headlamp wire. Repeat for the other wire.



7. Insert the new connector wire (G) through the shrink sleeve (H) before inserting the connector wire end into the headlamp butt connector (E).



8. Crimp the new connector wire end to the head lamp butt connector as shown. Repeat steps 7 and 8 for the other wire.

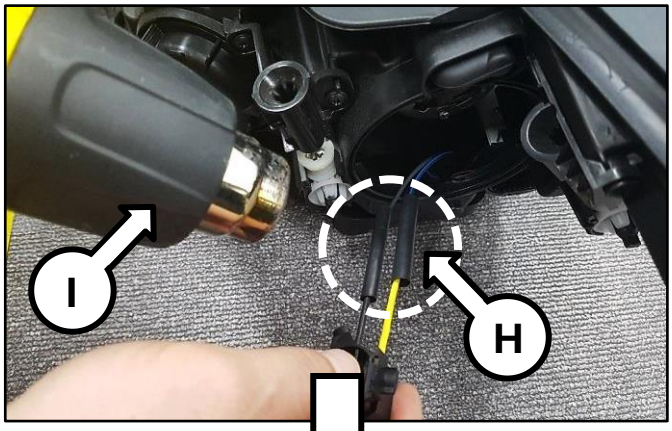


✶ NOTICE

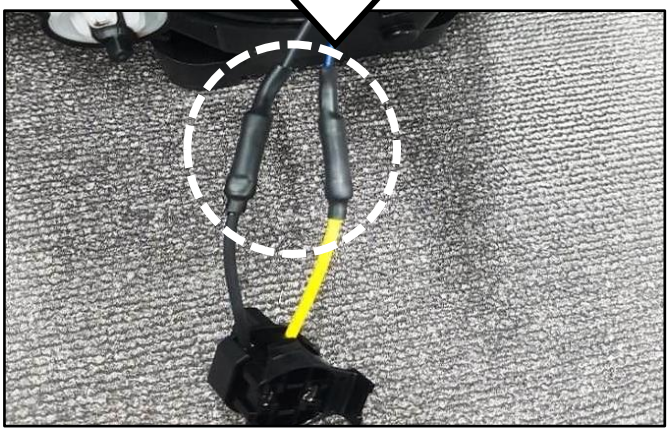
Lightly pull on the wires away from the connector to ensure a proper connection was made.

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9. Ensure that the heat shrink sleeve (H) is completely covering the butt connector. Apply heat to the shrink sleeves with a heat gun (I) to adhere the shrink sleeves onto the two (2) wire/butt connectors.



10. The completed repaired wires with new butt connector should look as shown.



11. Insert the removed headlamp bulb back into the new connector.

✶ NOTICE

Replace the headlamp bulb if it is burned or was damaged during removal.



12. Reinstall any removed parts in the reverse order of removal.

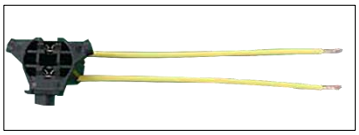
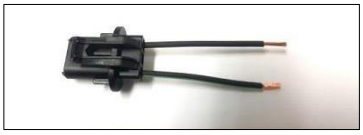
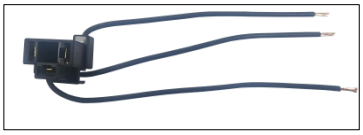
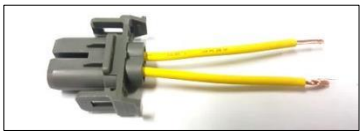
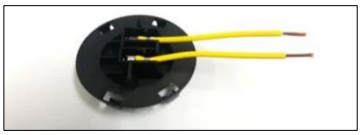
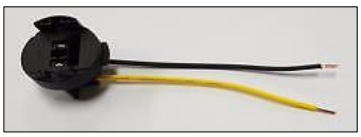
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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Refer to table on page 1	2010MY~

REQUIRED PART: PER HEADLAMP (LH OR RH)

Model	Part Number	Figure
TF, TF HEV, JF, JF HEV PS EV, VG, YG, XM	92170 1U000FFF	
QL DE CK	92170 D9000FFF	
AM UB (4-door)	92170 2K000FFF	
SL	92170 3W000FFF	
TD UB (5-door)	92170 1M000FFF	
YD, UM	92170 A7000FFF	
VQ	92170 4D000FFF	
YP	92170 A9000FFF	
PS (with 4 bulb headlamp system)	92170 B2000FFF	

Note: One **or** two of each headlamp connector may be required per vehicle. Wire connector and heat shrink tube is included with each headlamp connector when ordering.

TAB 11

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WARRANTY INFORMATION:

N Code: A31 C Code: ZZ2

Claim Type	Causal P/N	Model	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	Refer to EPC	UN TD SL XM		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F02	0.6 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	921703F03	0.8 M/H		2
W	Refer to EPC	VQ		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F04	0.7 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	92170F05	1.0 M/H		2
W	Refer to EPC	AM RP YD		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F06	0.9 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	92170F07	1.1 M/H		2
W	Refer to EPC	TF HEV PS EV VG, YG TF, PS QL, DE		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F08	1.0 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	92170F09	1.2 M/H		2
W	Refer to EPC	JF,JF HEV, YP,CK		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F10	1.1 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	92170F11	1.2 M/H		2
W	Refer to EPC	UM		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F12	1.0 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	92170F13	1.1 M/H		2
W	Refer to EPC	UB		Remove one headlamp and repair one bulb connector. (LH or RH)	92170F14	0.7 M/H	Refer to table on pages 5 and 6	1
				Remove both headlamp, repair both bulb connectors. (LH and RH)	92170F15	0.9 M/H		2