

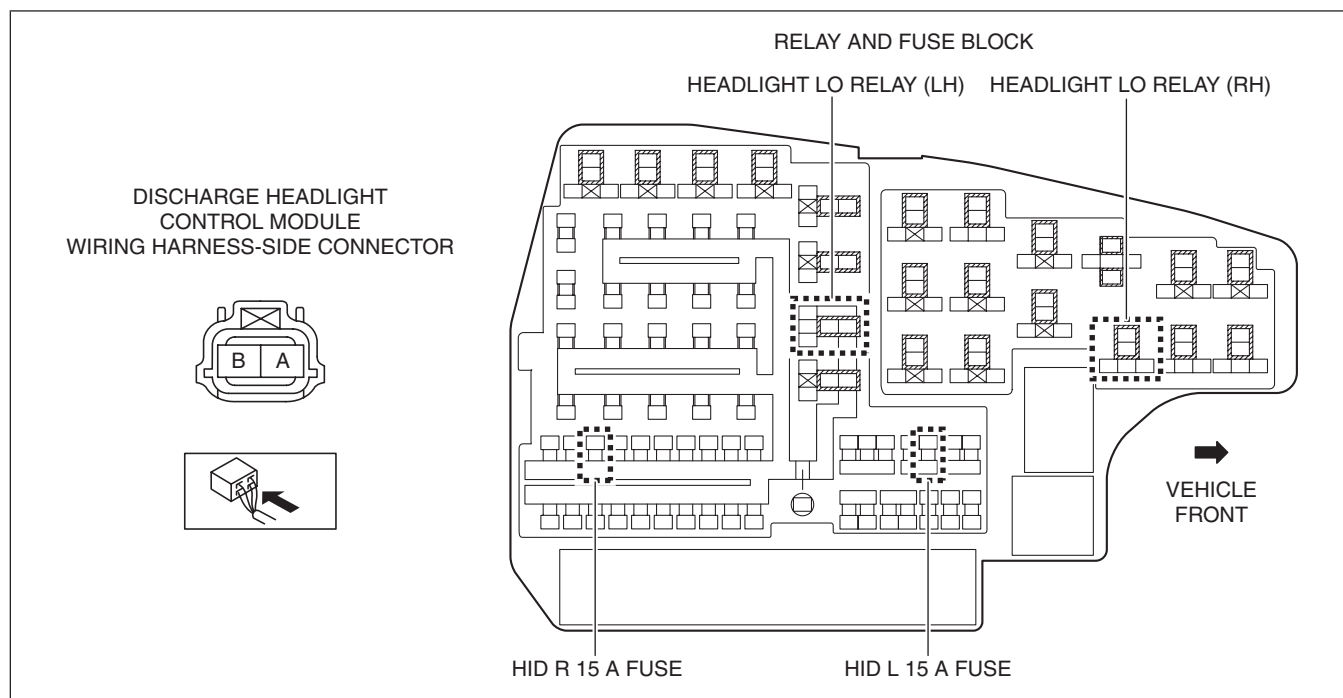
DISCHARGE HEADLIGHT SYSTEM INSPECTION

id091800805400

Warning

- **Incorrect servicing of the discharge headlights could result in electrical shock. Before servicing the discharge headlights, always refer to the service warnings. (See DISCHARGE HEADLIGHT SERVICE WARNINGS.)**

Terminal layout



ac5wzw00000460

Inspection procedure

Step	Inspection	Action
1	INSPECT RELAY <ul style="list-style-type: none"> • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Remove the following relays: (See RELAY LOCATION.) <ul style="list-style-type: none"> — Headlight LO relay (LH) — Headlight LO relay (RH) • Inspect the relays. (See RELAY INSPECTION.) • Are the relays normal? 	Yes Install the relays, then go to the next step. (See RELAY LOCATION.)
		No Replace the relay. (See RELAY LOCATION.)
2	INSPECT LIGHT SWITCH <ul style="list-style-type: none"> • Inspect the light switch. (See LIGHT SWITCH INSPECTION.) • Is the light switch normal? 	Yes Go to the next step.
		No Replace the light switch. (See LIGHT SWITCH REMOVAL/INSTALLATION.)

Step	Inspection	Action
3	INSPECT DISCHARGE HEADLIGHT CONTROL MODULE CONNECTOR <ul style="list-style-type: none"> • Disconnect the discharge headlight control module connector. • Inspect the connector connection, connection condition or the terminal and verify that there is no damage, deformation, corrosion, or disconnection. • Is the connector normal? 	Yes Go to the next step.
		No Repair or replace the connector.
4	INSPECT DISCHARGE HEADLIGHT CONTROL MODULE FOR OPEN CIRCUIT TO GROUND CIRCUIT <ul style="list-style-type: none"> • Verify that the discharge headlight control module is disconnected. • Inspect the wiring harness between discharge headlight control module B (wiring harness-side) and ground. • Is there continuity? 	Yes Go to the next step.
		No Repair or replace the wiring harness for an open circuit.
5	INSPECT DISCHARGE HEADLIGHT CONTROL MODULE POWER SUPPLY CIRCUIT <ul style="list-style-type: none"> • Verify that the discharge headlight control module connector is disconnected. • Reconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Turn the light switch to the HEAD position. • Measure the voltage at discharge headlight control module terminal A (wiring harness-side). • Is the voltage B+? 	Yes Turn the light switch to the OFF position, then go to the next step.
		No Inspect the HID L 15 A fuse and HID R 15 A fuse. <ul style="list-style-type: none"> • If a fuse is burnt out: <ul style="list-style-type: none"> — Repair or replace the wiring harness for a short to ground. — Replace the fuse. • If a fuse is burnt out: <ul style="list-style-type: none"> — Replace the fuse. • If the fuse is normal: <ul style="list-style-type: none"> — Repair or replace the wiring harness for an open circuit.

Step	Inspection	Action	
6	VERIFY IF HEADLIGHT HI/LO BULB IS BAD OR DISCHARGE HEADLIGHT CONTROL MODULE IS MALFUNCTIONING <ul style="list-style-type: none"> • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Install a normal headlight HI/LO bulb. (See HEADLIGHT BULB REMOVAL/INSTALLATION.) • Make sure to reconnect the disconnected connectors. • Reconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Turn the light switch to the HEAD position. • Do the headlights LO illuminate? 	Yes	Replace the headlight HI/LO bulb. (See HEADLIGHT BULB REMOVAL/INSTALLATION.)
		No	Replace the discharge headlight control module. (See DISCHARGE HEADLIGHT CONTROL MODULE REMOVAL/INSTALLATION.)