

Component Procedures: Turn Signal Lamp

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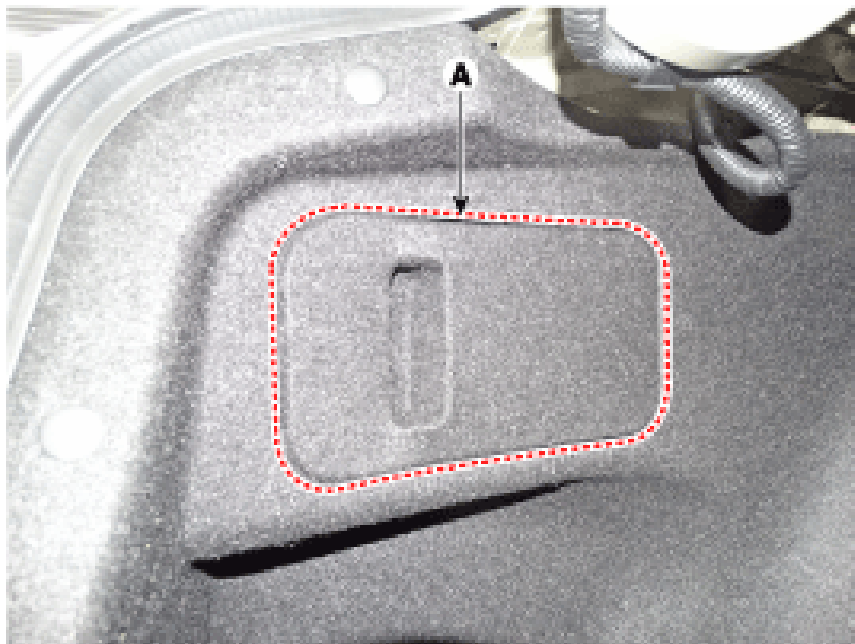
Component Procedures: Turn Signal Lamp

Turn & Hazard Lamps - Service Tips (Article 42582)

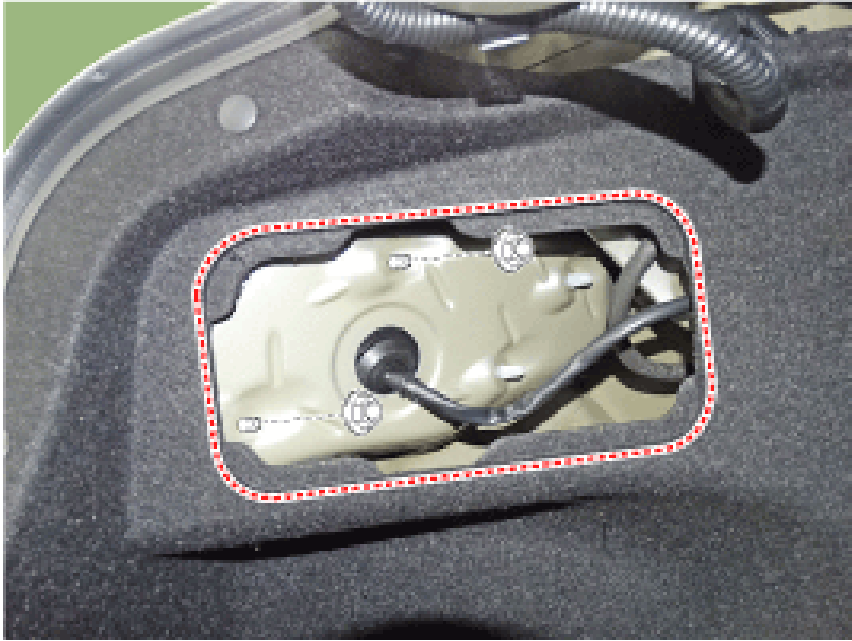
Turn & Hazard Lamps	Service Tips (1)														
<p>Circuit Description</p> <p>System is controlled through the data input and output process between each module with network. Turn lamps & hazard lamps are controlled using IPS control module and IPS (ZCH) in Smart Junction Block.</p> <p>■ Turn lamps</p> <p>Turn Lamps are operated by Turn Signal Lamp Switch LHRH of Multifunction switch using the IG1 power. When the Turn Signal Lamps Switch is operated, IPS Control Module receives Turn Signal Lamp Switch (LHRH) signals and it controls the IPS (ZCH) to activate Turn Signal Lamp. Also instrument cluster receives Turn Signal from BCM via C-CAN and it activates Turn Signal Indicator. The operation is automatically canceled once turning has been completed. Return the switch to the center if it is not automatically canceled. When changing lane, the driver can operate the switch by slightly moving the lever before it clicks. The turn lamps are automatically turned off when the switch is released and returned to the original position.</p> <p>■ Hazard Lamps</p> <p>Hazard lamps are operated by pressing the hazard lamps switch regardless of the engine start status. Hazard lamps switch is mounted on air-conditioning control module. In an emergency, it is used to prevent accidents. During the Hazard lamps switch is depressed, IPS control module receives a signal to control IPS (ZCH). So all of turn signal lamps will blink in same time. When it is pressed again, hazard lamps are canceled. During the hazard lamps operating, turn lamps does not activated.</p>	<p>■ Multifunction Switch Inspection</p> <p>When each switch is pressed, check the electricity flow between multi-function switch connector and grounding, and if the electricity does not match the specification, replace the switch.</p> <table border="1"><thead><tr><th>Switch</th><th>Switch position</th><th>Switch position</th><th>Resistance (Ω, ± 3.5%)</th></tr></thead><tbody><tr><td rowspan="3">Turn signal lamp switch</td><td>OFF</td><td></td><td>—</td></tr><tr><td>Left</td><td>9-12</td><td>910</td></tr><tr><td>Right</td><td></td><td>2910</td></tr></tbody></table> <p>If the flashing of the turn signal lamp and hazard lamp is abnormally fast or slow, there may be a problem with lamp wiring or a grounding defect.</p>	Switch	Switch position	Switch position	Resistance (Ω, ± 3.5%)	Turn signal lamp switch	OFF		—	Left	9-12	910	Right		2910
Switch	Switch position	Switch position	Resistance (Ω, ± 3.5%)												
Turn signal lamp switch	OFF		—												
	Left	9-12	910												
	Right		2910												

Rear Combination Lamp - Repair Procedures (Article 44647)

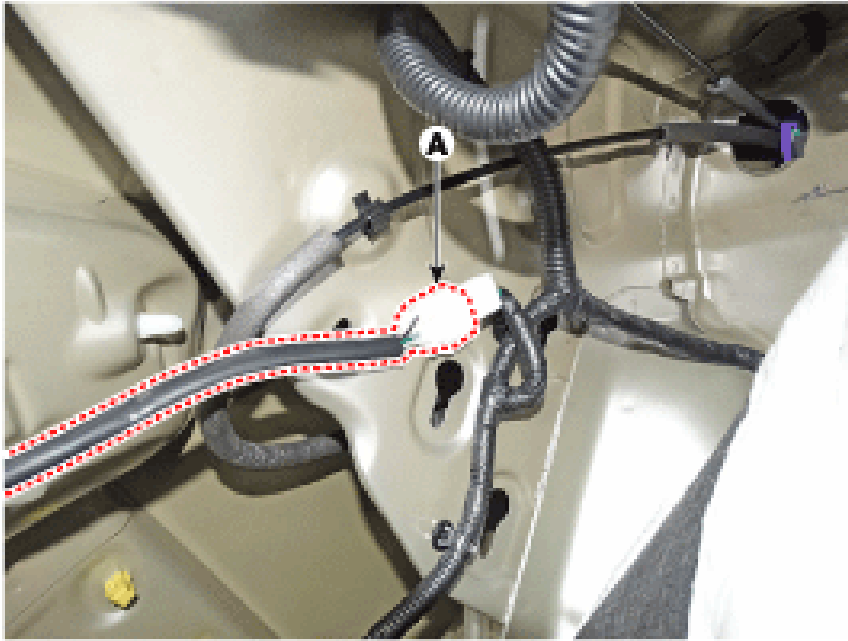
- Removal
- Disconnect the negative (-) battery terminal.
- Remove the combination lamp cover (A).



- Loosening the mounting nuts.



- Disconnect the rear combination lamp connector (A).



- Remove the rear combination lamp (A).



- Remove the trunk lid trim.
- Disconnect the inside rear combination lamp connector (A) and then remove the rear combination lamp after loosening mounting nuts.



- Replacement
Outside Combination Lamp
- Turn the head lamp power off.
- Remove the bulb socket and turn signal lamp bulb (A) from the lamp assembly.

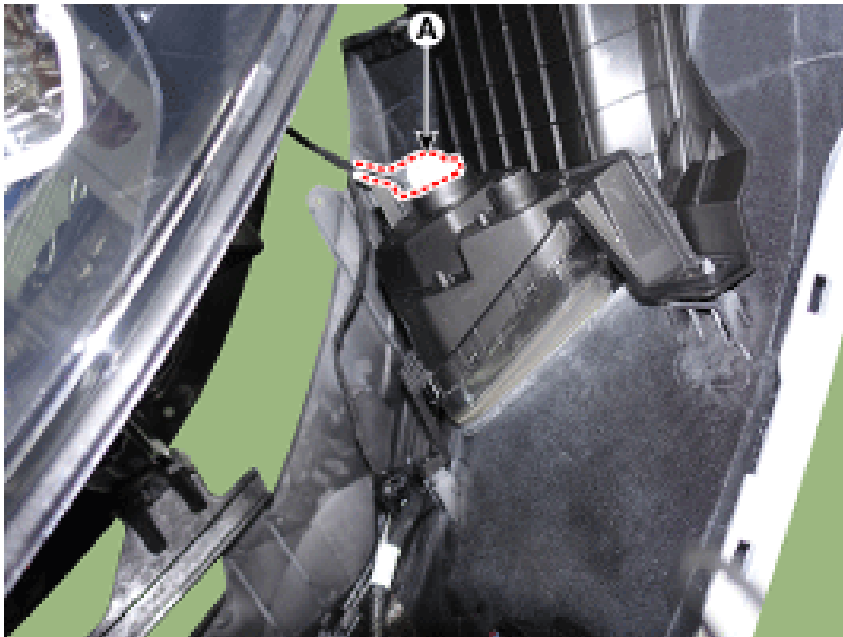


Inside Combination Lamp

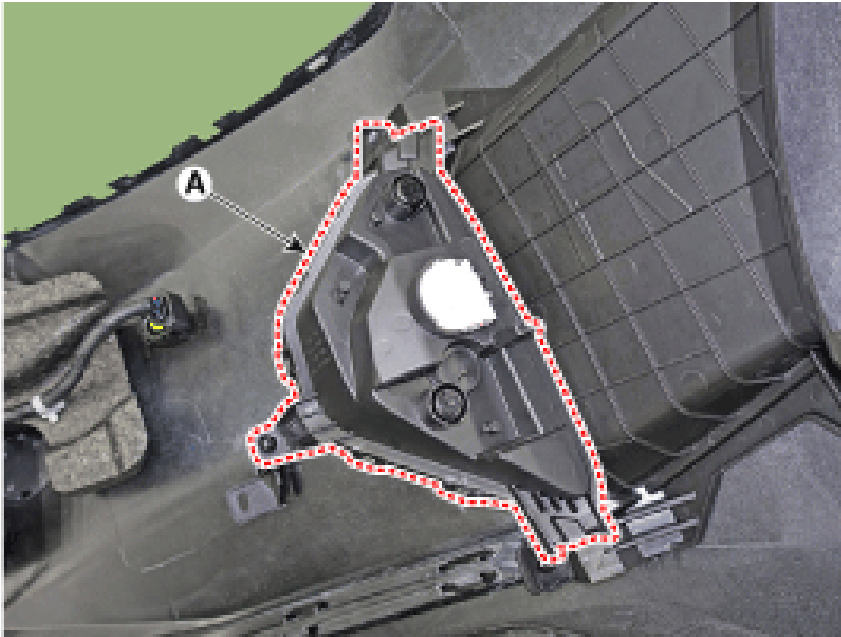
- Installation
- Connecting the lamp connector
- Install the inside/outside rear combination lamp assembly.
- Install the trunk lid trim. [Inside combination lamp only]

Turn Signal Lamp - Repair Procedures (Article 44650)

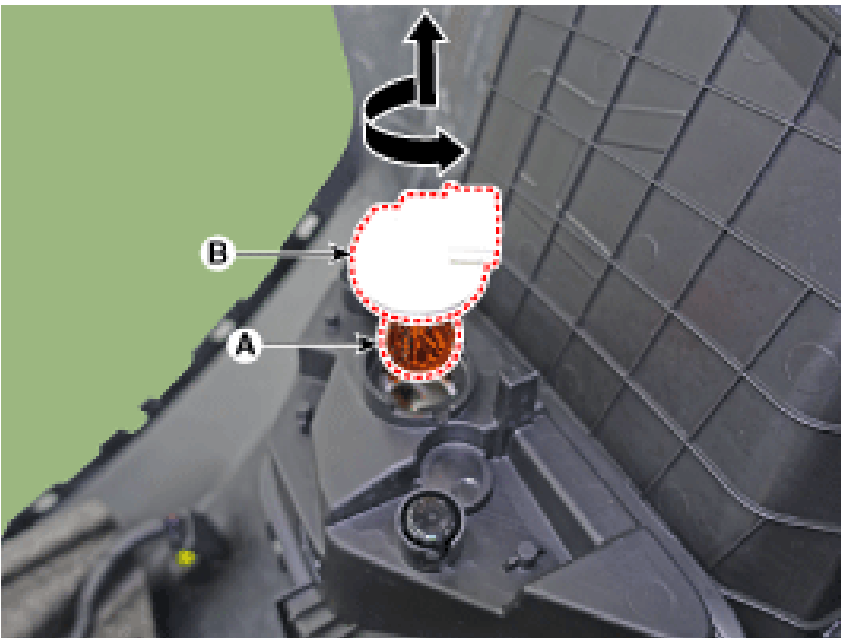
- Removal
- Disconnect the negative (-) battery terminal.
- Remove the front bumper. (Refer to Body - "Front Bumper Cover")
- Disconnect the turn signal lamp connector (A).



- Remove the front fog lamp assembly (A) after loosening the mounting screw.



- Replacement
- Turn the head lamp power off.
- Remove the engine room under cover. (Refer to Engine Mechanical System - "Engine Room Under Cover")
- Remove the bulb socket (B) and turn signal lamp bulb (A) from the lamp assembly.



- Installation
- Install the turn signal lamp assembly.
- Connect the turn signal lamp connector.
- Install the front bumper.
- Connect the negative (-) battery terminal.

Turn & Hazard Lamps - Service Tips (Article 42583)

Circuit Description

System is controlled through the data input and output process between each module with network. Turn lamps & hazard lamps are controlled using IPS control module and IPS (ZCH) in Smart junction block.

Turn lamps

Turn Lamps are operated by Turn Signal Lamp Switch LHRH of Multifunction switch using the IG1 power. When the Turn Signal Lamps Switch is operated, IPS Control Module receives Turn Signal Lamp Switch (LHRH) signals and it controls the IPS (ZCH) to activate Turn Signal Lamp. Also instrument cluster receives Turn Signal from BCM via C-CAN and it activates Turn Signal Indicator. The operation is automatically canceled once turning has been completed. Return the switch to the center if it is not automatically canceled. When changing lane, the driver can operate the switch by slightly moving the lever before it clicks. The turn lamps are automatically turned off when the switch is released and returned to the original position.

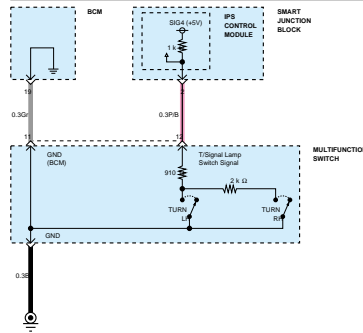
Hazard Lamps

Hazard lamps are operated by pressing the hazard lamps switch regardless of the engine start status. Hazard lamps switch is mounted on air-conditioning control module. In an emergency, it is used to prevent accidents. During the Hazard lamps switch is depressed, IPS control module receives a signal to control IPS (ZCH). So all of turn signal lamps will blink in same time. When it is pressed again, hazard lamps are canceled. During the hazard lamps operating, turn lamps does not activated.

Multifunction Switch Inspection

When each switch is pressed, check the electricity flow between multi-function switch connector and grounding, and if the electricity does not match the specification, replace the switch.

Switch	Switch position	Switch position	Resistance (Ω , ± 3.5%)
Turn signal lamp switch	OFF	9-12	∞
	Left		910
	Right		2910



If the flashing of the turn signal lamp and hazard lamp is abnormally fast or slow, there may be a problem with lamp wiring or a grounding defect.