

DISCHARGE HEADLIGHT BULB

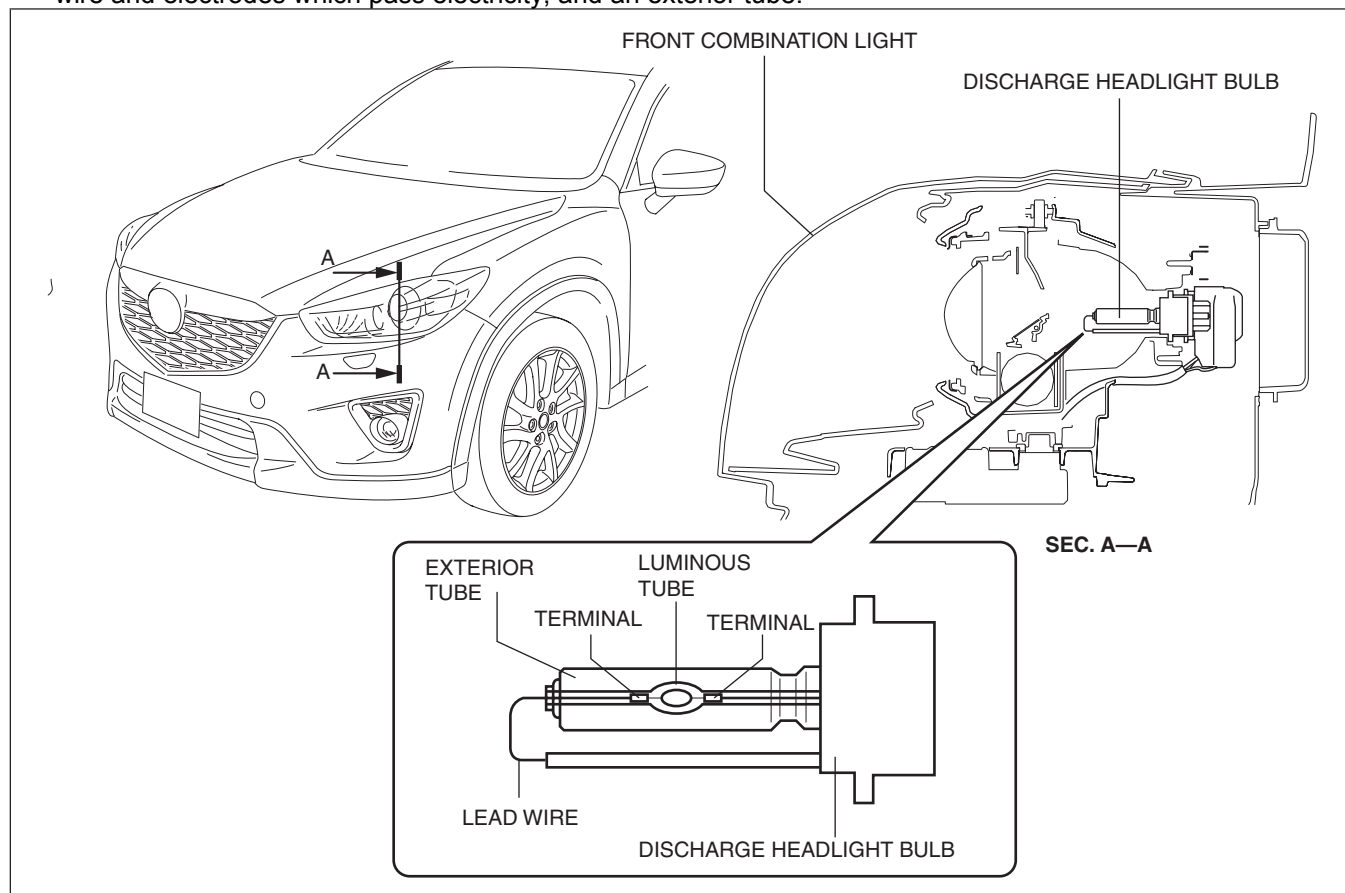
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Purpose, Function

- Charges the internal metallic element and emits white light resembling sunlight.

Construction

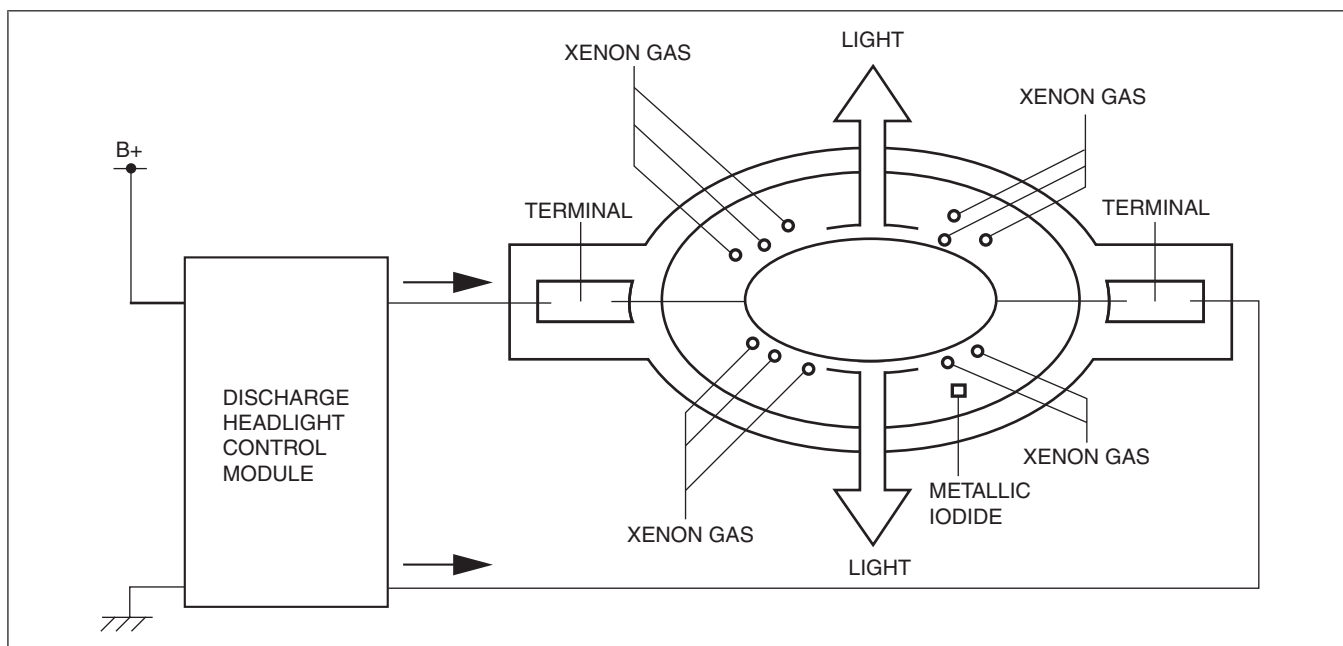
- A mercury-free bulb has been adopted for the discharge headlight bulb.
- The discharge headlight bulb is assembled to the front combination light.
- The discharge headlight bulb consists of xenon gas, a luminous tube in which metallic iodide is enclosed, a lead wire and electrodes which pass electricity, and an exterior tube.



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Operation

- When high DC voltage (approx. 25,000 V) from the discharge headlight control module is input to the electrodes, the insulation between the electrodes is broken down and electrical current flows between the electrodes.
- When electrical current flows between the electrodes of the discharge headlight bulb, the xenon gas is energized and emits light.
- When the xenon gas emits light, temperature inside the discharge headlight bulb rises, the metallic iodide vaporizes/separates, and the metallic element discharges and emits light.



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Fail-safe

- Function not equipped.