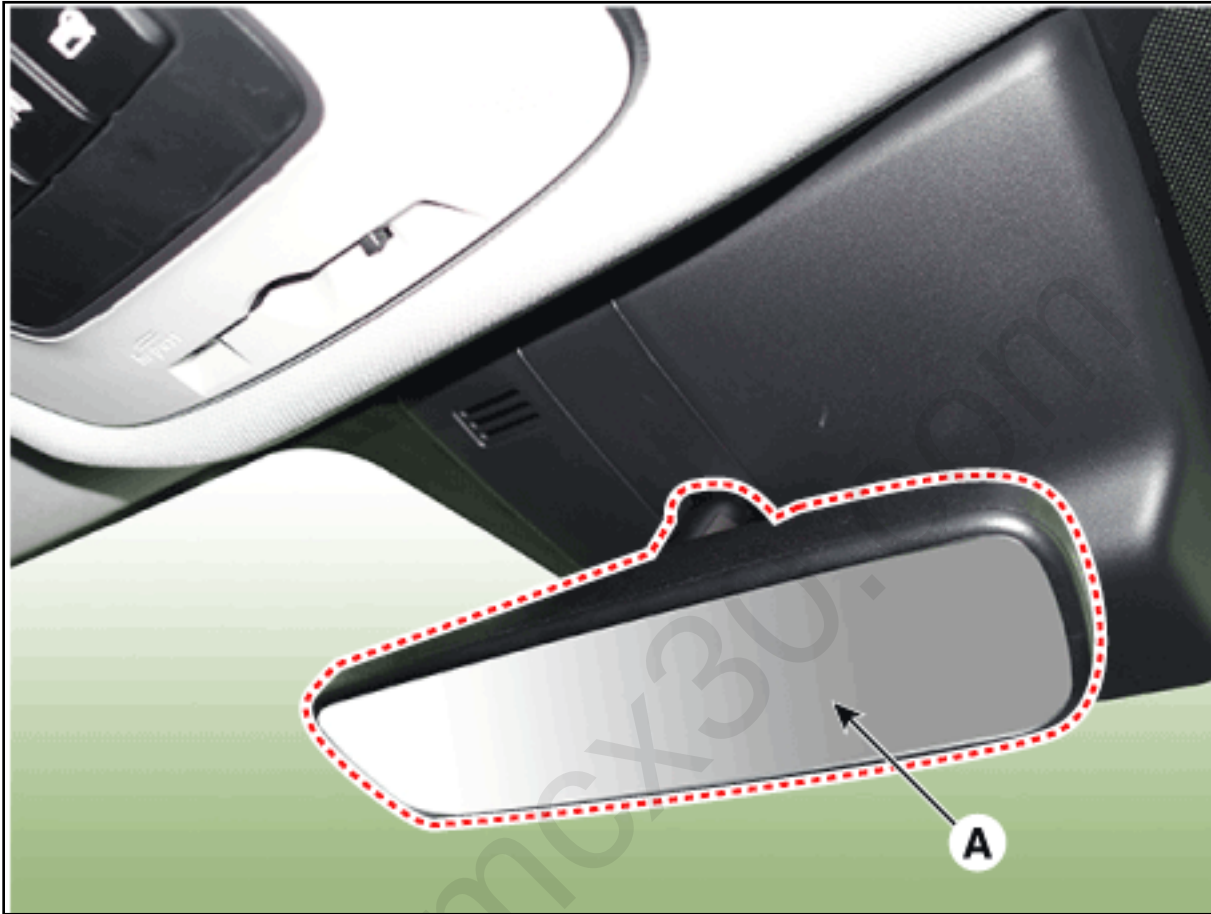


Description

Electro Chromic Inside Rear View Mirror

The ECM (Electro Chromatic inside rear view Mirror) is intended dim the reflecting light in the rear view mirror. The forward facing sensor detects brightness of the surroundings, while the rearward looking sensor is for the light from the rear. The strength of the light in the rear sensor is used by the mirror to adjust the shading. It ranges from 10 to 70%. When the reverse gear is engaged, it stops functioning.



1. The forward facing sensor sees if the brightness of the surroundings is low enough for the mirror to operate its function.
2. The rearward looking sensor detects glaring of the reflecting light from a vehicle behind.
3. The ECM is darkened to the level as determined by the rearward looking sensor. When the glaring is no longer detected, the mirror stops functioning.

img

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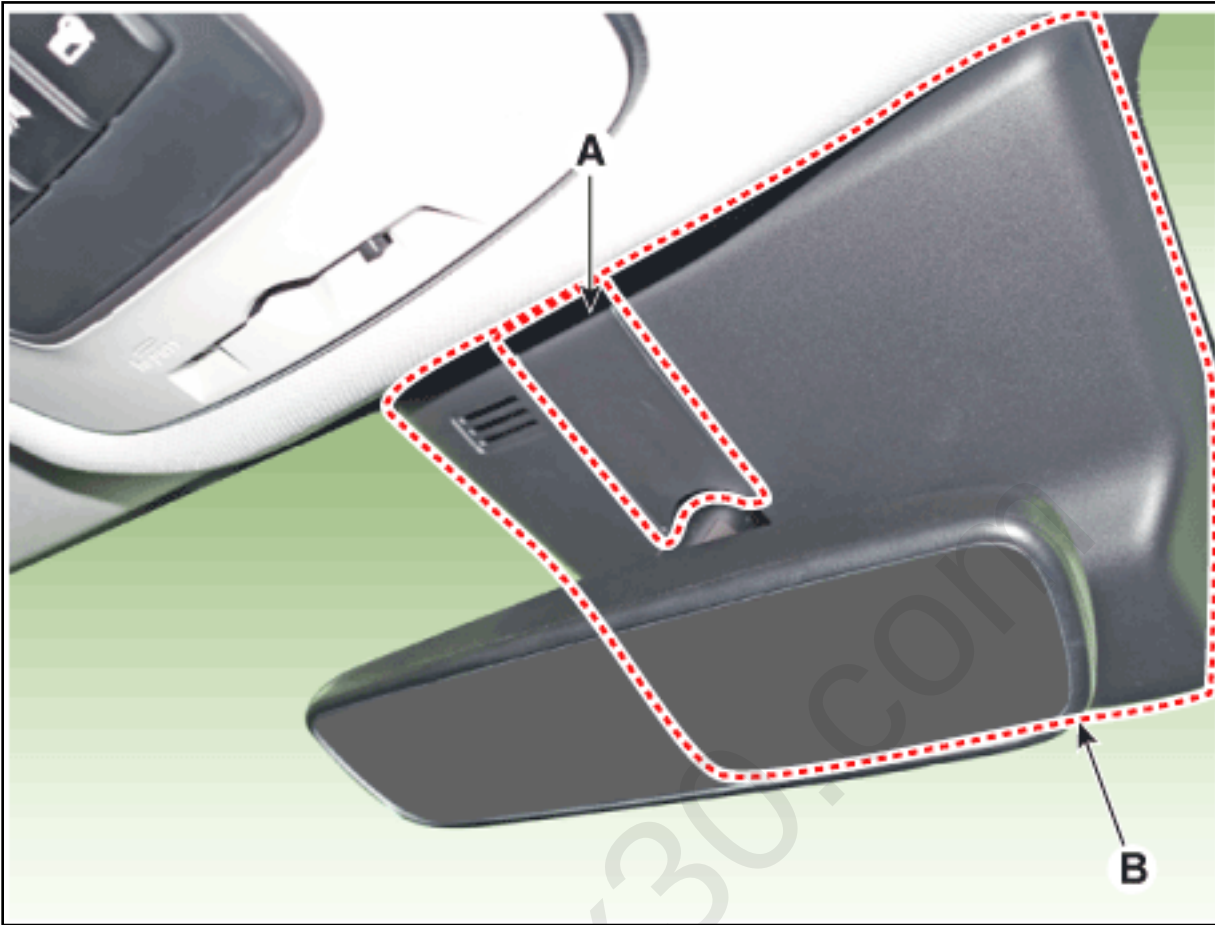
Components



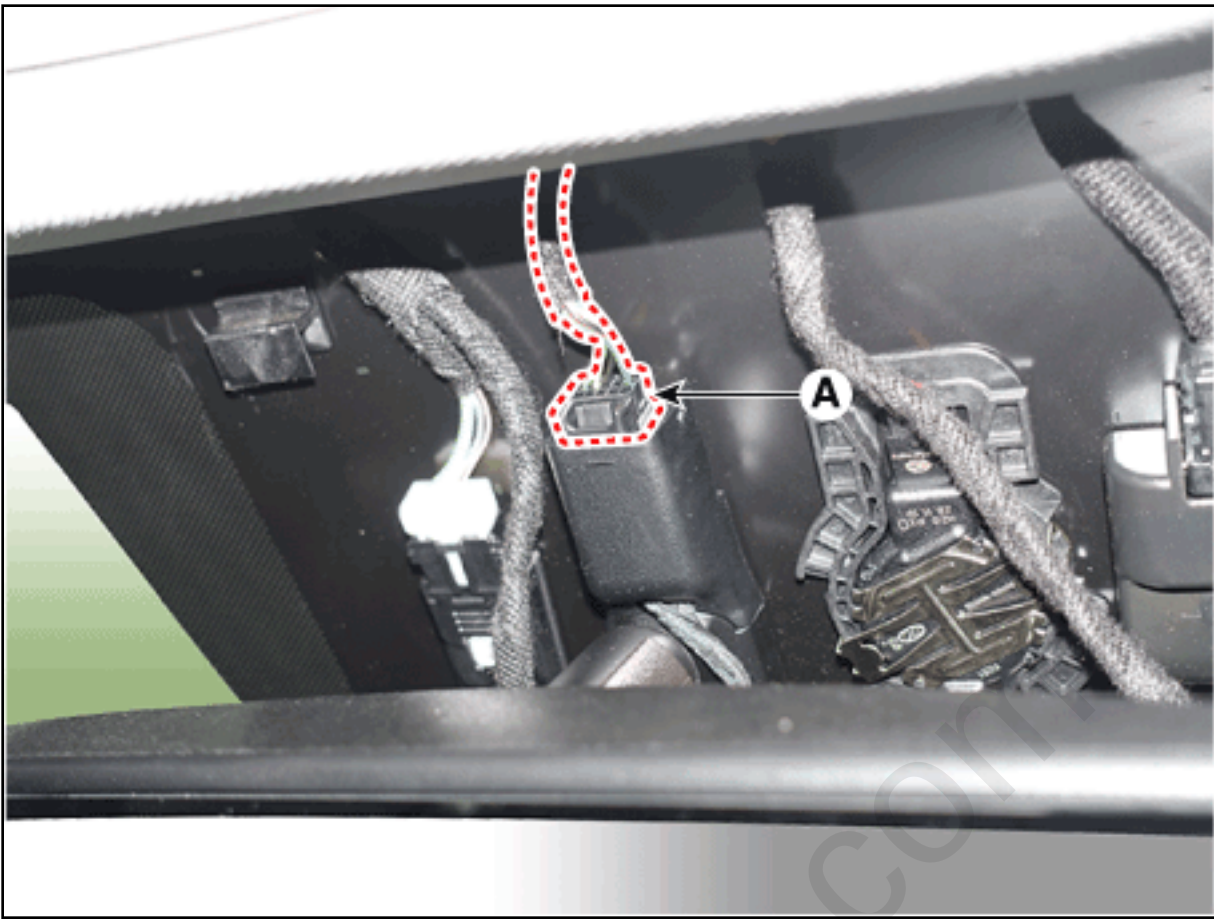
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Removal

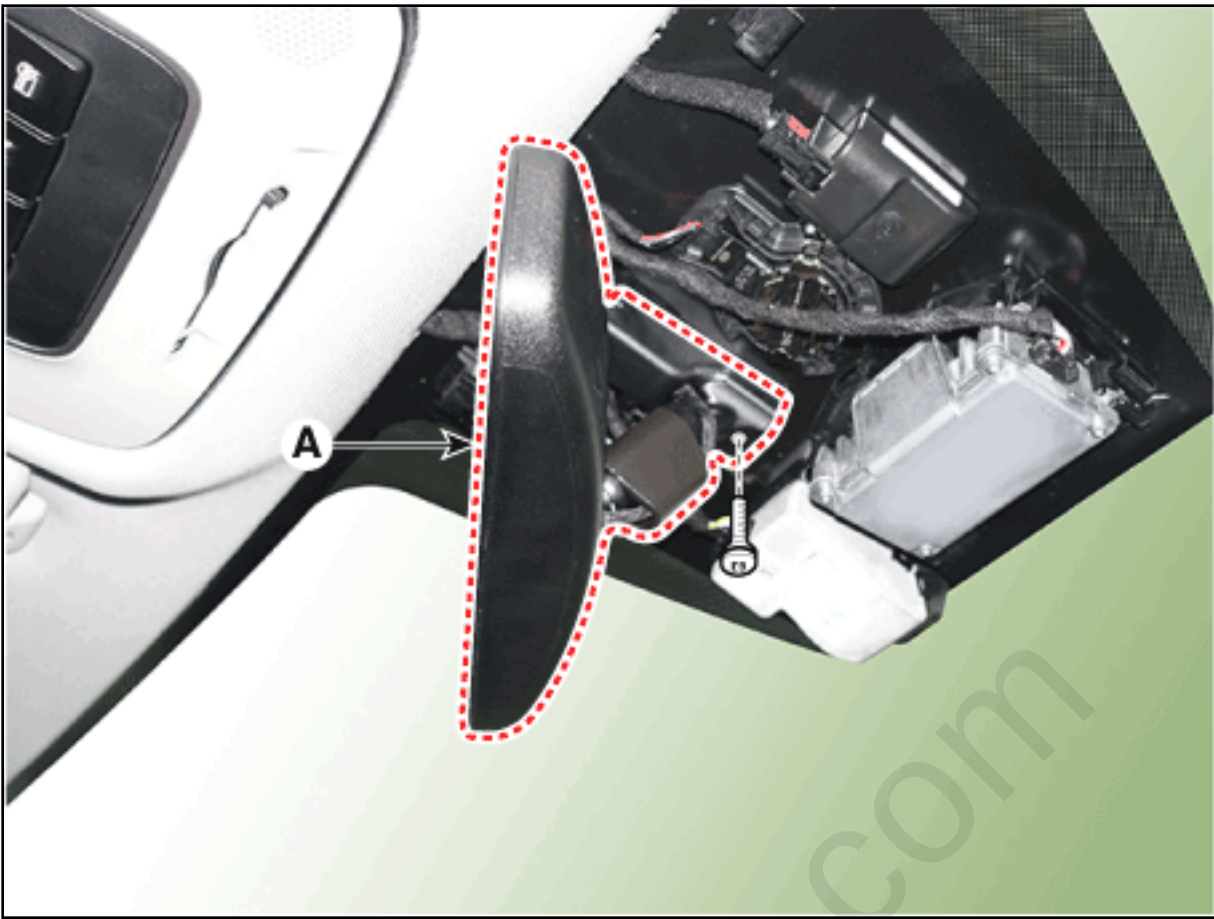
1. Disconnect the negative (-) battery terminal.
2. Remove the inside rear view mirror cover (A) and (B).



3. Disconnect the inside rear view mirror connector (A).



4. Loosen the mounted screws and push the ECM mirror base upward to remove the ECM mirror assembly (A).



Inspection

Check it by the procedure below to see if the function of the ECM is normal.

1. Turn the ignition key to the "ON" position.
2. Cover the forward facing sensor.
3. Head a light to the backward looking sensor.
4. The ECM should be darkened as soon as the rearward looking sensor detects the light.



If this test is performed in daytime, the ECM may be darkened as soon as the forward facing sensor is covered.

5. When the reverse gear is engaged, the ECM should not be darkened.
6. When heading lights to both the forward facing and rearward looking sensors, the ECM should not be darkened.

Installation

1. Install the mirror making sure the mounting bracket not to be damaged.
2. Install the mirror wiring cover after reconnecting the connector and tightening the screw.