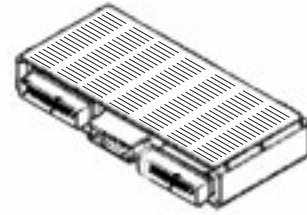

LIGHT CHECK MODULE III (LCM III)

OVERVIEW

The light check module LCM has been redesigned for Model Year 99 as of 9/98 production. It is now identified as the LCM III and is installed in both the E38 and E39 vehicles.



The module itself has been redesigned with new semi-conductor final stages that produce less heat in operation. This has allowed for the elimination of the protruding heat sink found on the previous LCM.

The total scope of function and features has been expanded to improve the comfort and safety for the driver and passengers of the vehicle. Feature and functional changes to the LCM include:

- Replacement lighting for the parking lights
- Limiting of output voltage to the lamps
- Follow Me Home (delayed exit) lighting

REPLACEMENT LIGHTING

The LCM can use substitute bulbs for various lights if a failure should occur, for example:

Front Parking Lights: If one of the parking lamps should fail, the LCM will illuminate the turn signal bulb on the affected side. The lamp will be dimmed by the LCM so that the intensity is the same as the parking lamp.

Rear Taillights: If one of the rear taillights should fail, the LCM will switch on the brake lamp on the affected side. The lamp will be dimmed to the intensity of the tail lamp.

OUTPUT VOLTAGE LIMITING FUNCTION

The output voltage applied to the parking and tail lamps is regulated to increase the life of the lamps. If the voltage at the LCM increases over 12,5 volts, the LCM will reduce the voltage to 12 volts.

FOLLOW ME HOME LIGHTING

This convenience feature provides lighting for the driver and passengers to leave the vehicle and enter their homes.

The feature is switched "ON" by pulling the headlight flasher switch after the headlights and ignition have been switched OFF. The feature is switched OFF after a coded time delay or by switching the ignition ON.