DTC	P0607	Control Module Performance

DESCRIPTION

This DTC indicates a malfunction in the ECM.
HINT:
The ECM receives signals from each sensor to control all the functions of the cruise control with the microcomputer. When a malfunction is detected, fail-safe remains on until the ignition switch is turned off.

DTC No.	DTC Detection Condition	Trouble Area
P0607	ECM has a supervisory CPU and control ECU inside. When each input STP signal is different for 0.15 sec. or more, this trouble code is output. This trouble code is also output after 0.4 sec. has passed from the time a cruise cancel input signal (STP input) is input to the ECM.	ECM

INSPECTION PROCEDURE

CC

1	REPLACE ECM

(a) Replace the ECM (See page ES-498).

NEXT

END

DTC	P1570	Radar Sensor Malfunction

DESCRIPTION

The laser sensor emits laser beams towards an object in front and measures the distance and direction of the object by receiving the beam reflections. Based on the reflections, the sensor calculates the difference in speed between your own vehicle and an object in front. This data is transmitted to the distance control ECU.

DTC No.	DTC Detection Condition	Trouble Area
P1570	The ECM detects a laser sensor malfunction signal for 0.15 sec. or more while the dynamic laser cruise control is in operation	Laser sensor

HINT:
The laser sensor monitors the laser emission and reception by itself. This DTC is detected when it cannot monitor. When rain drops or snowflakes strike the laser sensor face, the distance between the vehicle in front and your own vehicle cannot be measured correctly. The dynamic laser cruise control system functions by detecting the reflector of the vehicle directly in front. In the following cases, the system may not be able to detect the vehicle in front and may not properly maintain the correct vehicle-to-vehicle distance:

CC

- The vehicle in front is a tall trailer.
- The back of the vehicle in front is extremely dirty.
- Emission from the vehicle in front or vehicles in other lanes is heavy.
- The vehicle in front has no reflector.
- The laser sensor is receiving a strong flash of light (sunlight, etc.)

INSPECTION PROCEDURE

NOTICE:
When the laser sensor is replaced with a new one, adjustment of the laser sensor beam axis must be performed (See page CC-127).

1	ADJUST LASER SENSOR

Refer to adjustment (See page CC-127).
HINT:
It is necessary to make the ECM recognize specification information (whether the vehicle is equipped with the dynamic laser cruise control system or not). When this procedure has not been carried out, this DTC may be output.
(a) Clear the DTCs and then recheck for DTCs.
OK:
DTC is not output.

NG → **REPLACE LASER SENSOR (See page CC-127)**

OK

SYSTEM IS OK