

GROUP 13A

MULTIPOINT FUEL INJECTION (MPI)

GENERAL

OUTLINE OF CHANGE

The service procedures have been revised due to the following change.

- The immobilizer system has been revised.

GENERAL INFORMATION

Item		Specifications
Engine-ECU	Identification model No.	E2T69184 <4G63–Vehicles with immobilizer system> E2T69185 <4G64–Vehicles with immobilizer system>

TROUBLESHOOTING

NOTE:

If the engine-ECU is replaced, the immobilizer-ECU and the ignition key should be replaced together with it.

INSPECTION CHART FOR DIAGNOSIS CODES

For vehicles with immobilizer system, the inspection procedure “Code No.54 – Immobilizer system” has been changed.

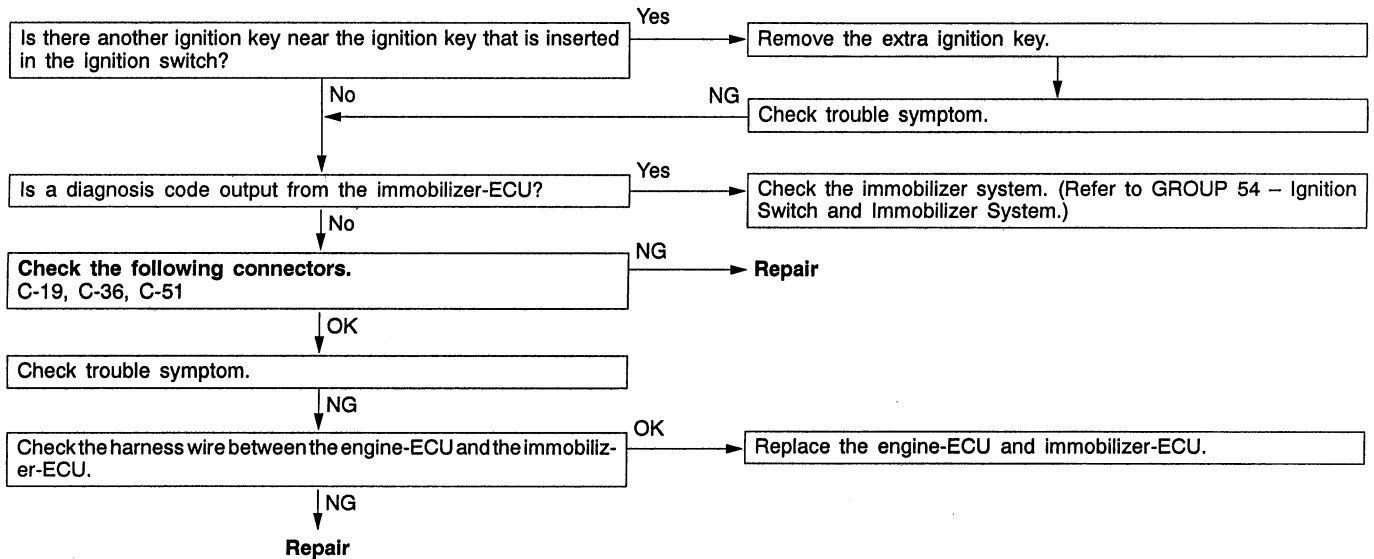
Code No.	Diagnosis system	Reference page
54	Immobilizer system	13A-2.

INSPECTION PROCEDURE FOR DIAGNOSIS CODES

Code No.54 Immobilizer system	Probable cause
Range of Check • Ignition switch: ON Set Conditions • Improper communication between the engine-ECU and immobilizer-ECU	• Radio interference of ID codes • Incorrect ID code • Malfunction of harness or connector • Malfunction of immobilizer-ECU • Malfunction of engine-ECU

NOTE

- (1) If the ignition switches are close each other when starting the engine, radio interference may cause this code to be displayed.
- (2) This code may be displayed when registering the key ID code.



INSPECTION CHART FOR TROUBLE SYMPTOMS

For vehicles with immobilizer system, inspection procedure No.2 has been changed.

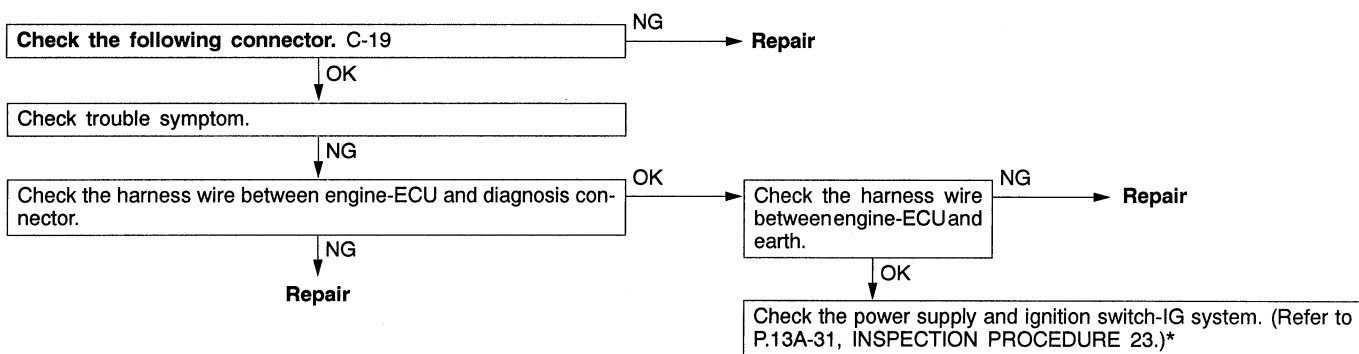
Trouble symptom		Inspection procedure No.	Reference page
Communication with MUT-II is impossible.	Communication with all systems is not possible.	1	13A-15*
	Communication with engine-ECU only is not possible.	2	13A-3

*: Refer to '98 L200 Workshop Manual (Pub.No. PWTE96E1-B).

INSPECTION PROCEDURE FOR TROUBLE SYMPTOMS

INSPECTION PROCEDURE 2

MUT-II communication with engine-ECU is impossible.	Probable cause
One of the following causes may be suspected. • No power supply to engine-ECU. • Defective earth circuit of engine-ECU. • Defective engine-ECU. • Improper communication line between engine-ECU and MUT-II	• Malfunction of engine-ECU power supply circuit • Malfunction of engine-ECU • Open circuit between engine-ECU and diagnosis connector



*: Refer to '98 L200 Workshop Manual (Pub. No. PWTE96E1-B).

GROUP 13E

DIESEL FUEL

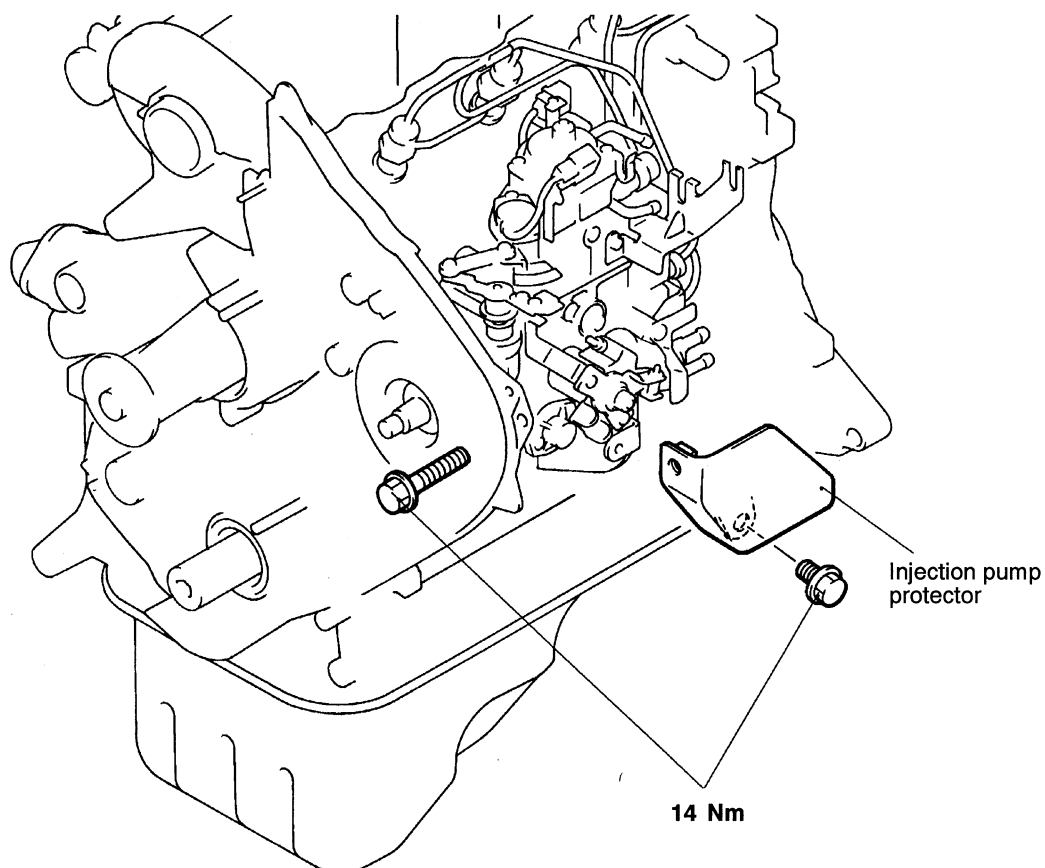
GENERAL

OUTLINE OF CHANGE

A protector has been added to protect the injection pump.

INJECTION PUMP

REMOVAL AND INSTALLATION



AW0467AA