ENGINE AND EMISSION CONTROL

CONTENTS

EMISSION CONTROL SYSTEM

GENERAL

OUTLINE OF CHANGE

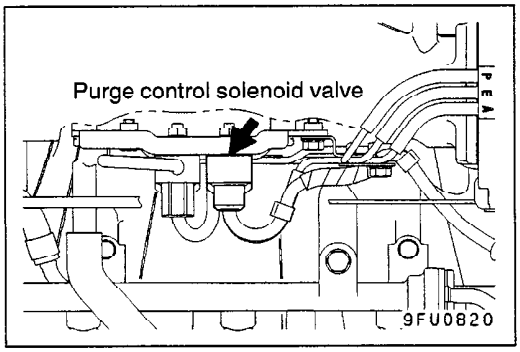
- Installation positions of the purge control solenoid valve and EGR control solenoid valve have been changed.
- Duty cycle type purge control solenoid valve has been adopted. (Inspection procedure is same as before.)
- Coil resistances of the purge control solenoid valve and EGR control solenoid valve have been changed.

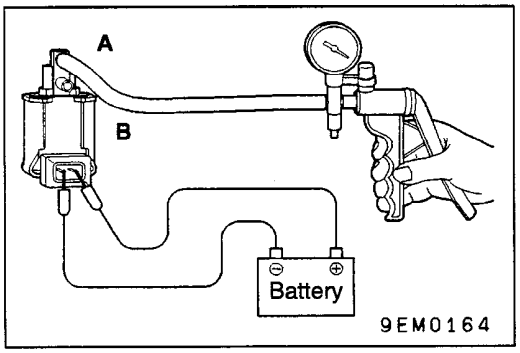
SERVICE SPECIFICATIONS

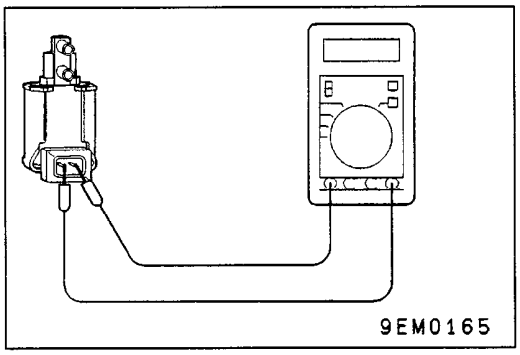
Items	Standard value
Purge control solenoid valve coil resistance (at 20°C) Ω	36 – 44
EGR control solenoid valve coil resistance (at 20°C) Ω	36 – 44

EVAPORATIVE EMISSION CONTROL SYSTEM

COMPONENT LOCATION







PURGE CONTROL SOLENOID VALVE CHECK

NOTE
When disconnecting the vacuum hose, always make a mark so that it can be reconnected at original position.

1. Disconnect the vacuum hose (black stripe, red stripe) from the solenoid valve.
2. Disconnect the harness connector.
3. Connect a hand vacuum pump to nipple (A) of the solenoid valve (refer to the illustration at left).
4. Check airtightness by applying a vacuum with voltage applied directly from the battery to the purge control solenoid valve and without applying voltage.

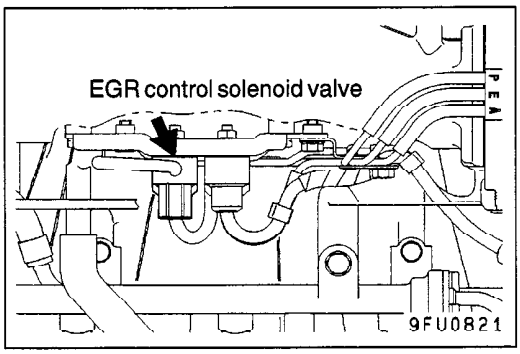
Battery voltage	Normal condition
Applied	Vacuum leaks
Not applied	Vacuum maintained

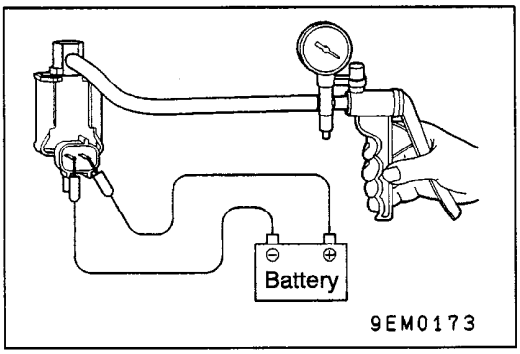
5. Measure the resistance between the terminals of the solenoid valve.

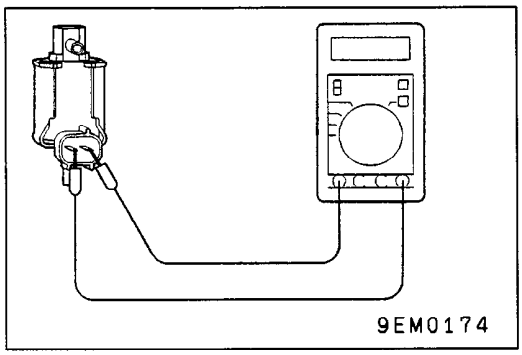
   Standard value: 36 – 44 Ω (at 20°C)

EXHAUST GAS RECIRCULATION (EGR) SYSTEM

COMPONENT LOCATION







EGR CONTROL SOLENOID VALVE CHECK

NOTE
When disconnecting the vacuum hose, always make a mark so that it can be reconnected at original position.

1. Disconnect the vacuum hose (yellow stripe, green stripe) from the solenoid valve.
2. Disconnect the harness connector.
3. Connect a hand vacuum pump to the nipple to which the green-striped vacuum hose was connected.
4. Check airtightness by applying a vacuum with voltage applied directly from the battery to the EGR control solenoid valve and without applying voltage.

Battery voltage	Normal condition
Not applied	Vacuum leaks
Applied	Vacuum maintained

5. Measure the resistance between the terminals of the solenoid valve.

   Standard value: 36 – 4Ω (at 20°C)