EMISSION CONTROL

	ו אוכ	ENIS	17AA-
EMISSION CONTROL <mpi></mpi>	2	EMISSION CONTROL <diesel></diesel>	18
SPECIFICATIONS	2 2 2	SPECIFICATIONS	18
SERVICE ADJUSTMENT PROCEDURES Emission Control Device Reference Table Component Layout Vacuum Hose Piping Diagram Crankcase Emission Control System Evaporative Emission Control System Exhaust Gas Recirculation (EGR) System <4G92 (Except MVV), 4G93> Exhaust Gas Recirculation (EGR) System <4G92-MVV> CATALYTIC CONVERTER	5-1	SPECIAL TOOLS SERVICE ADJUSTMENT PROCEDURES Component Layout Exhaust Gas Recirculation (EGR) System <vehicles egr="" with=""> Glow & EGR Control Unit <super glow="" quick="" system=""> Glow & EGR Control Unit <self-regulating glow="" system=""> TWO-WAY VALVE</self-regulating></super></vehicles>	19 19 20 23 24-1
CANISTER	17		

EMISSION CONTROL < MPI>

SPECIFICATIONS

GENERAL SPECIFICATIONS

<4G13>

E17CA--

Items	Name	Specification
Crankcase emission control system	Positive crankcase ventilation (PCV) valve	Variable flow type (Purpose: HC reduction)
Evaporative emission control system	Canister Purge control solenoid valve	Equipped ON/OFF type solenoid valve (Purpose: HC reduction)
Exhaust emission control system	Air-fuel ratio control device - MPI system	Oxygen sensor feedback type (Purpose: CO, HC, NOx reduction)
	Catalytic converter	Monolith type (Purpose: CO, HC, NQx reduction)

<4G92, 4G93>

Items	Name	Specification
Crankcase emission control system	Positive crankcase ventilation (PCV) valve	Variable flow type (Purpose: HC reduction)
Evaporative emission control system	Canister Purge control solenoid valve	Equipped ON/OFF type solenoid valve (Purpose: HC reduction)
Exhaust emission control system	Air-fuel ratio control device - MPI system	Oxygen sensor feedback type (Purpose: CO, HC, NOx reduction)
	Exhaust gas recirculation system EGR valve EGR control solenoid valve	Single type ON/OFF type solenoid valve <except mvv=""> Duty cycle type solenoid valve <mvv> (Purpose: NOx reduction)</mvv></except>
·	Catalytic converter	Monolith type (Purpose: CO, HC, NOx reduction)

SERVICE SPECIFICATIONS

E17CB--

Items		Specification	
Purge control solenoid valve coil resistance [at 20°C (68°F)]	Ω	36-44	
EGR control solenoid valve coil resistance [at 20°C (68°F)]	Ω	36–44	ĺ

* SERVICE ADJUSTMENT PROCEDURES

EMISSION CONTROL DEVICE REFERENCE TABLE

E17FE--

Emission control system Related parts	Crankcase emission control system	Evapora- tive emis- sion con- trol sys- tem	Air fuel ratio control system	Catalytic converter	Exhaust emission control system	Reference page for each part inspection
PCV valve	Х					17-9
Purge control solenoid valve		Х				17-12
MPI system component		Х	Х			Fuel (Group 13)
Catalytic converter				· X		17-16
EGR valve*					X	17-14
EGR control solenoid valve*					X	17-15

NOTE

^{*: &}lt;4G92, 4G93>

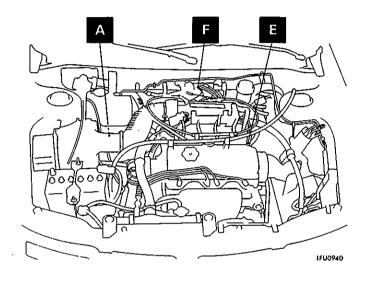
COMPONENT LAYOUT

Name	Symbol	Name	Symbol
Canister	A	EGR valve*	D
Catalytic converter	В	PCV valve	E
EGR control solenoid valve*	С	Purge control solenoid valve	F

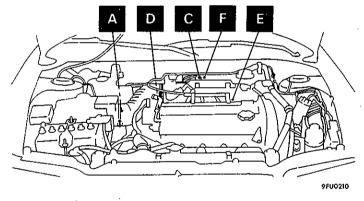
NOTE

*: <4G92, 4G93>

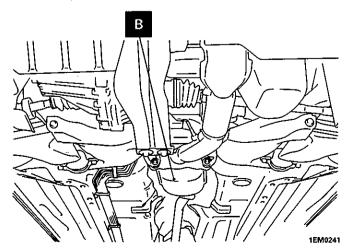
<4G13>

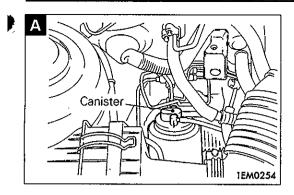


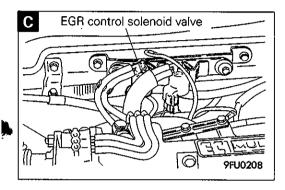
<4G92, 4G93>

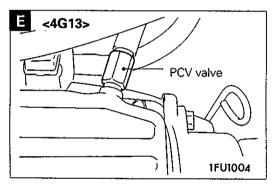


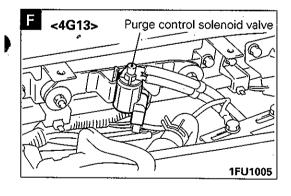
<4G13, 4G92, 4G93>

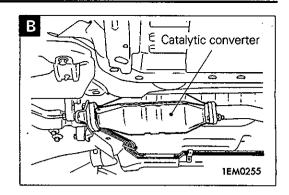


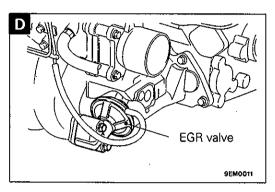


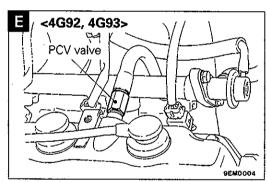


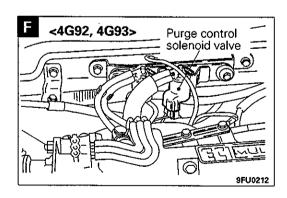


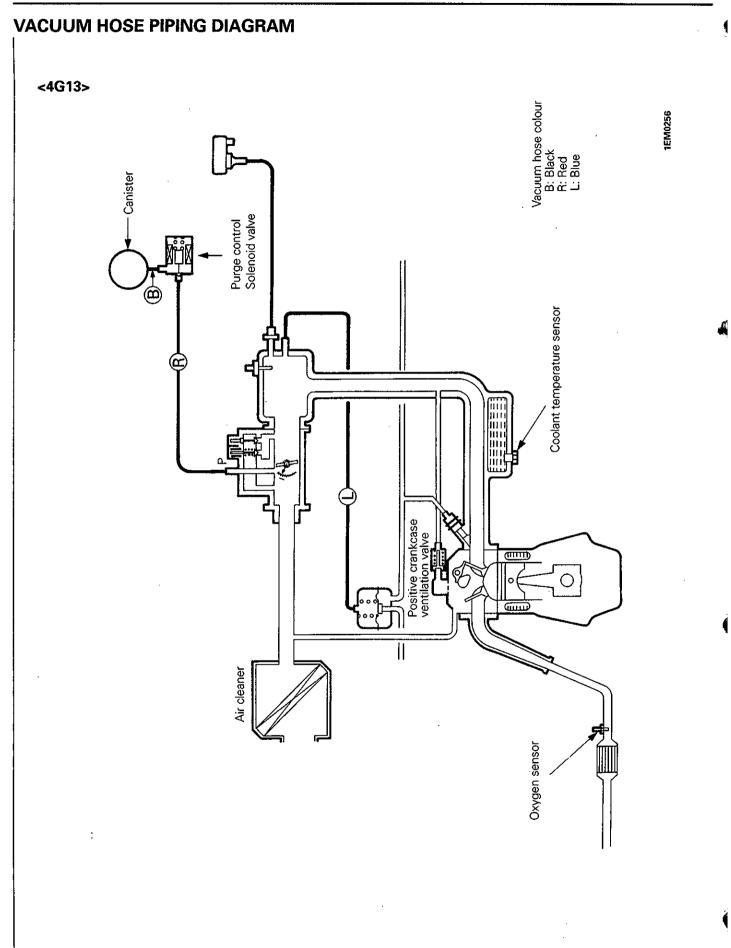






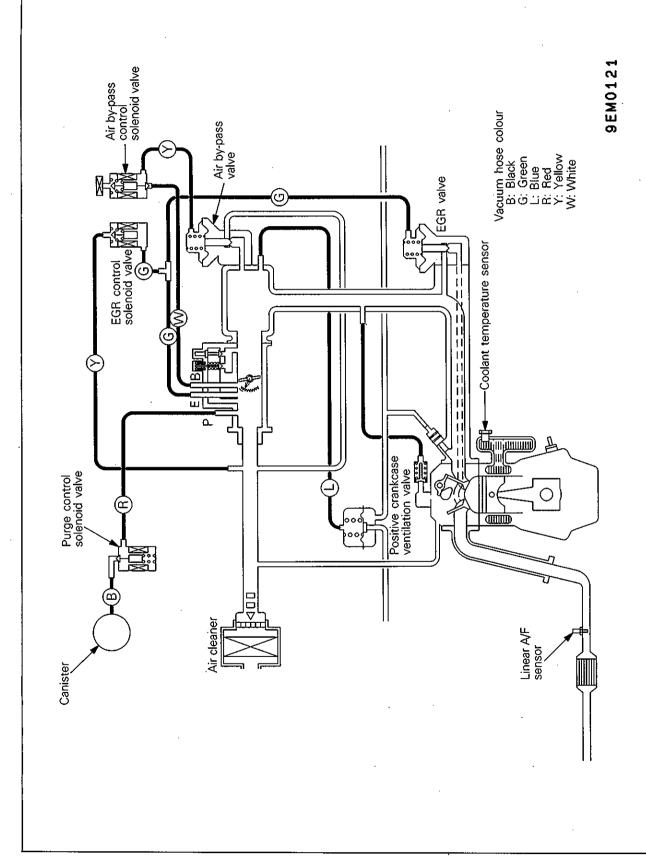




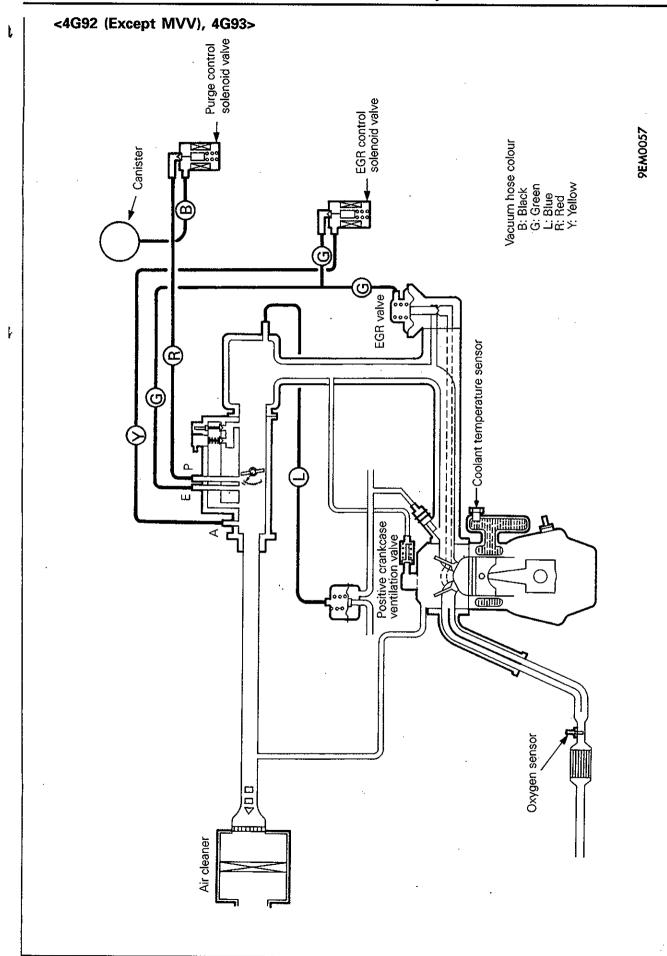


Dec. 1991

<4G92-MVV>



NOTE



INSPECTION

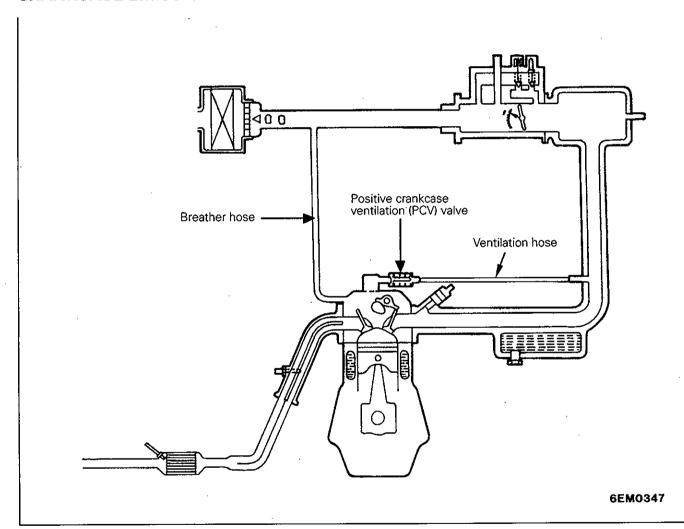
- (1) Using the piping diagram as a guide, check to be sure that the vacuum hoses are correctly connected.
- (2) Check the connection condition of the vacuum hoses, (removed, loose, etc.) and check to be sure that there are no bends or damage.

INSTALLATION

- (1) When connecting the vacuum hoses, they should be securely inserted onto the nipples.
- (2) Connect the hoses correctly, using the vacuum hose piping diagram as a guide.

CRANKCASE EMISSION CONTROL SYSTEM

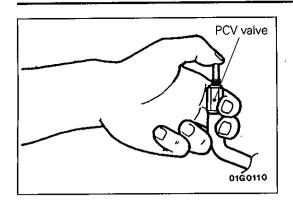
E17FCBM

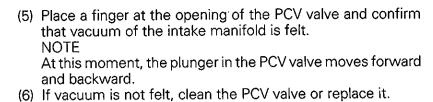


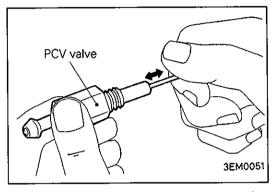
POSITIVE CRANKCASE VENTILATION SYSTEM

System Inspection

- (1) Remove the ventilation hose from the positive crankcase ventilation (PCV) valve.
- (2) Remove the PCV valve from the rocker cover.
- (3) Reinstall the PCV valve at the ventilation hose.
- (4) Start the engine and run at idle.







PCV Valve Inspection

- (1) Slide in a narrow stick at the threaded side of the PCV valve and make sure that the plunger moves.
- (2) If the plunger does not move, there is a clogging in the PCV valve. In this case, clean or replace the valve.

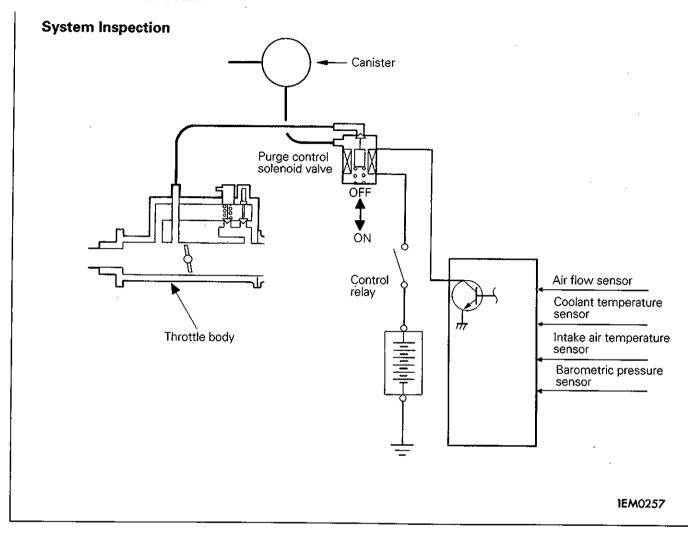
Installation

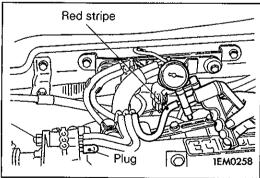
(1) Install PCV valve and tighten to specified torque.

Specified torque: 10 Nm (1.0 kgm, 7.2 ft.lbs.)

EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL SYSTEM

E17FBBD





- (1) Disconnect the vacuum hose (red stripes) from the throttle body and connect it to a hand vacuum pump.
- (2) Plug the nipple from which the vacuum hose was removed.
- (3) When the engine is cold and hot, apply a vacuum while the engine is idling, and check the condition of the engine and the vacuum.

When engine is cold [Coolant temperature: 40°C (104°F) or less]

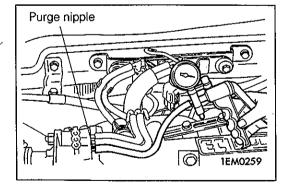
Vacuum	Engine status	Normal condition
53 kPa (400 mmHg, 15.7 in.Hg.)	3,000 r/min.	Vacuum is maintained

When engine is hot [Coolant temperature: 80°C (176°F) or higher)

Vacuum	Engine status	Normal condition
53 kPa (400 mmHg,	Idling	Vacuum is main- tained
15.7 in.Hg)	3,000 r/min.	Vacuum will leak for approximately 3 minutes after the engine is started. After 3 minutes have elapsed, the vacuum will be maintained momentarily, after which it will again leak.*

NOTE

The vacuum will leak continuously if the atmospheric pressure is approximately 77 kPa (580 mmHg, 22.8 in.Hg) or less, or the temperature of the intake air is approximately 50°C (122°F) or higher.



Engine speed (r/min)

Purge Port Vacuum Inspection Check Condition

Coolant temperature: 80-95°C (176-203°F)

- (1) Disconnect the vacuum hose (red stripe) from the throttle body purge vacuum nipple and connect a hand vacuum pump to the nipple.
- (2) Start the engine and check to see that, after raising the engine speed by racing the engine, purge vacuum raises proportionately with the rise in engine speed. Vacuum If there is a problem with the change in vacuum, it is possible

that the throttle body purge port may be clogged and require cleaning.

Mitsubishi Motors Corporation

Dec. 1991

1FU446

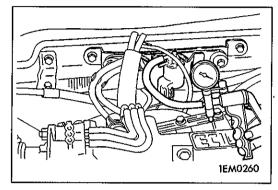
Purge Control Solenoid Valve

Inspection

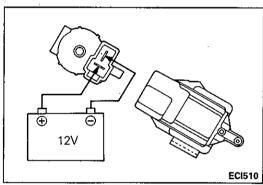
NOTE

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

- (1) Disconnect the vacuum hose (black, red stripes) from the solenoid valve.
- (2) Disconnect the harness connector.

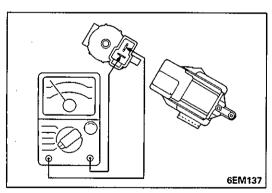


(3) Connect a hand vacuum pump to the nipple to which the vacuum hose with red-stripes was connected.



(4) Check airtightness by applying a vacuum with voltage applied directly from the battery to the purge control solenoid valve and without applying voltage.

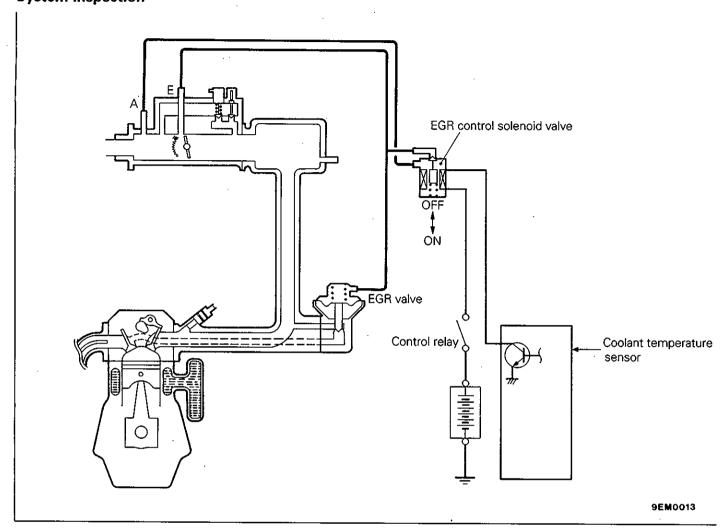
Battery voltage	Normal condition
Applied	Vacuum leaks
Not applied	Vacuum maintained

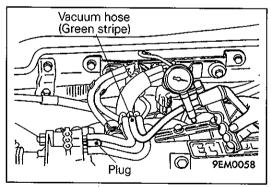


(5) Measure the resistance between the terminals of the solenoid valve.

Standard value: 36-44 Ω [at 20°C (68°F)]

EXHAUST GAS RECIRCULATION (EGR) SYSTEM <4G92 (Except MVV), 4G93> E17FCBN System Inspection





- (1) Remove the vacuum hose (green stripe) from the throttle body, and connect a hand vacuum pump to the vacuum hose.
- (2) Plug the nipple from which the vacuum hose was removed.
- (3) When the engine is cold and hot, apply a vacuum while the engine is idling, and check the condition of the engine and the vacuum.

When engine is cold [Coolant temperature: 40°C (104°F) or less]

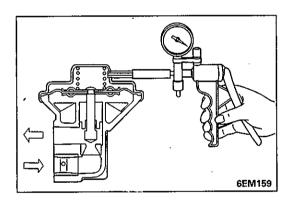
Hand vacuum	Normal condition		
pump	Engine Vacuum		
Vacuum is applied	No change	Vacuum leaks	

When engine is hot [Coolant temperature: 80°C (176°F) or higher]

Hand vacuum	Normal condition		
pump	Engine	Vacuum	
5.3 kPa (40 mmHg, 1.6 in.Hg) of vacuum is ap- plied	No change	Vacuum is main- tained	
26 kPa (195 mmHg, 7.7 in.Hg) of vacuum is ap- plied	Idling becomes slightly unstable		

EGR Valve Inspection

(1) Remove the EGR valve and inspect for sticking, carbon deposits, etc. If found, clean with a suitable solvent so that the valve seats correctly.



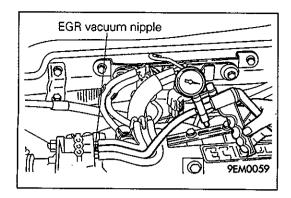
- (2) Connect a hand vacuum pump to the EGR valve.
- (3) Apply 67 kPa (500 mmHg, 20 in.Hg) of vacuum, and check to be sure that the vacuum is maintained.
- (4) Apply a vacuum and check the passage of air by blowing through one side of the EGR passage.

Vacuum	Passage of air
5.3 kPa (40 mmHg, 1.6 in.Hg) or less	Air is not blown out
26 kPa (195 mmHg, 7.7 in.Hg) or more	Air is blown out

Installation

(1) Use a new gasket, and tighten to the specified torque.

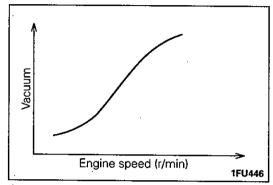
Specified torque: 22 Nm (2.2 kgm, 16 ft.lbs.)



EGR Valve Control Vacuum Inspection Check Condition

Coolant temperature: 80-95°C (176-203°F)

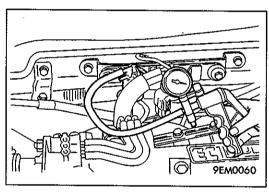
(1) Disconnect the vacuum hose (green stripe) from the throttle body EGR vacuum nipple and connect a hand vacuum pump to the nipple.



(2) Start the engine and check to see that, after raising the engine speed by racing the engine, EGR vacuum raises proportionately with the rise in engine speed.

NOTE

If there is a problem with the change in vacuum, it is possible that the throttle body EGR port may be clogged and require cleaning.



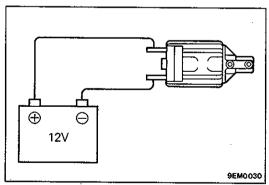
EGR Control Solenoid Valve Inspection

NOTE

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

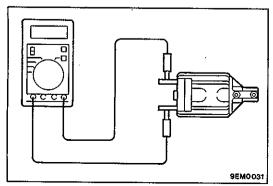
- (1) Disconnect the vacuum hose (yellow stripe, green stripe) from the solenoid valve.
- (2) Disconnect the harness connector.
- (3) Connect a hand vacuum pump to the nipple to which the green-striped vacuum hose was connected.
- (4) Check airtightness by applying a vacuum with voltage applied directly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

Batter voltage	Normal condition
Applied	Vacuum leaks
Not applied	Vacuum maintained



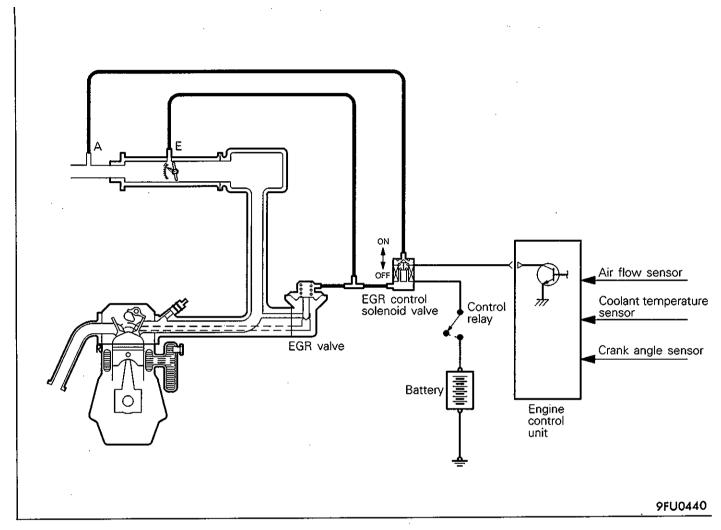
(5) Measure the resistance between the terminals of the solenoid valve.

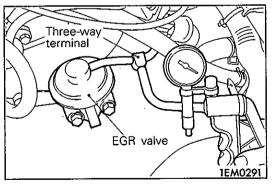
Standard value: 36-44 Ω [at 20°C (68°F)]



EXHAUST GAS RECIRCULATION (EGR) SYSTEM <4G92-MVV>

System Inspection





- (1) Disconnect the vacuum hose (green striped hose) from the EGR valve, and then connect a hand vacuum pump to the EGR valve and to the vacuum hose disconnected via the three-way terminal.
- (2) Regarding the engine in cold and hot conditions, check the condition of vacuum when a rapid racing has been performed by opening the throttle valve quickly.

When engine is cold [Engine coolant temperature: 20°C (68°F) or less]

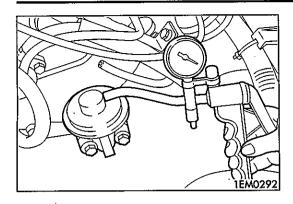
Throttle valve	Normal vacuum condition
Open quickly	No vacuum will generate (remained as barometric pressure [0 kPa (0 mmHg, 0 in.Hg)]).

When engine is hot

[Engine coolant temperature: 70°C (158°F) or higher]

Throttle valve	Normal vacuum condition
Open quickly	It will momentarily rise over 13 kPa (100 mmHg, 3.9 in.Hg).

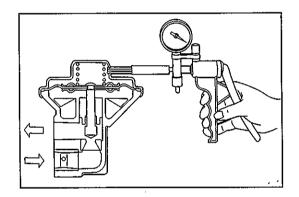
(3) Disconnect the three-way terminal and the hand vacuum pump.



- (4) Connect the hand vacuum pump directly to the EGR valve.
- (5) Check whether the engine stalls or the idling is unstable when a vacuum of 27 kPa (200 mmHg, 7.9 in.Hg) or higher is applied during idling.

EGR Valve Inspection

(1) Remove the EGR valve and inspect for sticking, carbon deposits, etc. If found, clean with a suitable solvent so that the valve seats correctly.



- (2) Connect a hand vacuum pump to the EGR valve.
- (3) Apply 67 kPa (500 mmHg, 20 in.Hg) of vacuum, and check to be sure that the vacuum is maintained.
- (4) Apply a vacuum and check the passage of air by blowing through one side of the EGR passage.

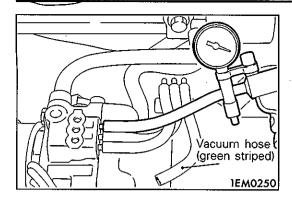
Vacuum	Passage of air
4.0 kPa (30 mmHg, 1.2 in.Hg) or less	Air is not blown out
16 kPa (120 mmHg, 4.7 in.Hg) or more	Air is blown out

Installation

(1) Use a new gasket, and tighten the installation bolt to the specified torque.

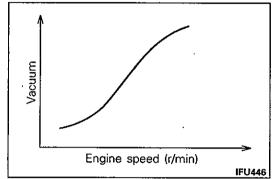
Specified torque: 13 Nm (1.3 kgm, 9.4 ft.lbs.)

EMISSION CONTROL - Service Adjustment Procedures



EGR Valve Control Vacuum Inspection

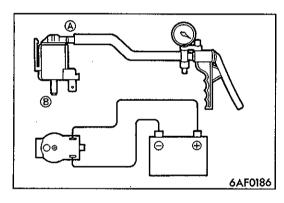
(1) Disconnect the vacuum hose (green stripe) from the throttle body EGR vacuum nipple and connect a hand vacuum pump to the nipple.



(2) Start the engine and check to see that, after raising the engine speed by racing the engine, EGR vacuum raises proportionately with the rise in engine speed.

NOTE

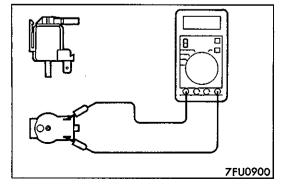
If the EGR vacuum does not raise, it is possible that the throttle body EGR port may be clogged and require cleaning.



EGR Control Solenoid Valve Inspection Inspection

- (1) Connect a hand vacuum pump to the nipple (a) (shown in the illustration) of the solenoid valve.
- (2) Connect the solenoid valve terminals and the battery terminals with the jumper wires.
- (3) Check airtightness by applying a vacuum with connected and disconnected the jumper wire at the battery (–) terminal.

Jumper wire	Condition of the nipple ®	Normal condition
Connect	Open	Vacuum maintained
Disconnect	Open	Vacuum leaks
Disconnect	Plug	Vacuum maintained



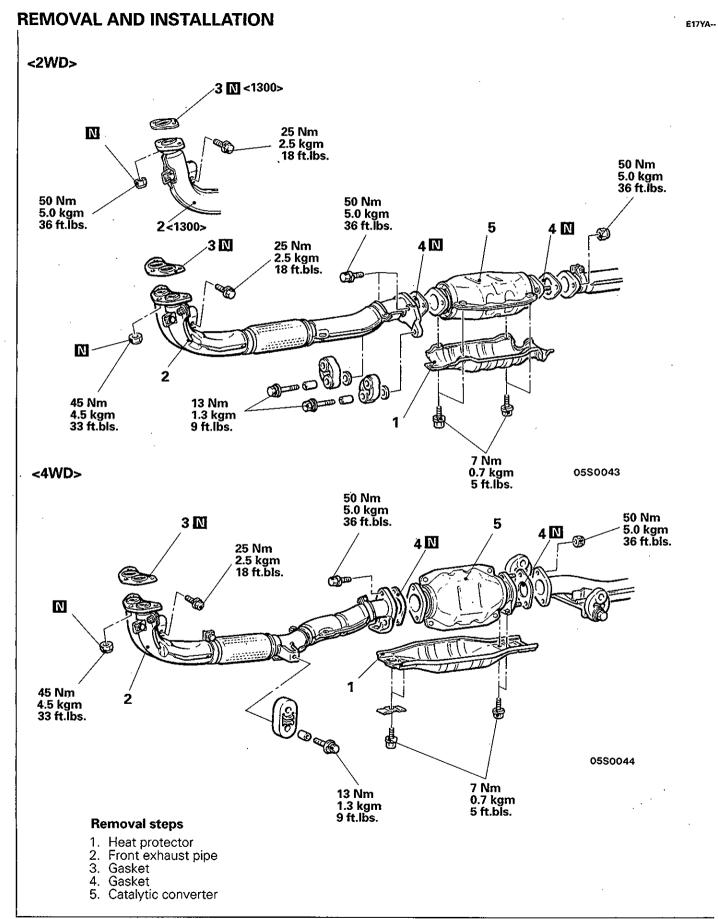
Coil Resistance Inspection

(1) Measure the resistance between the terminals of the solenoid valve.

Standard value: $36-44 \Omega$ [at 20° C (68°F)]

NOTE

CATALYTIC CONVERTER

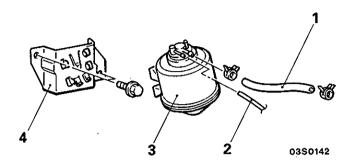


CANISTER E17HA--

REMOVAL AND INSTALLATION

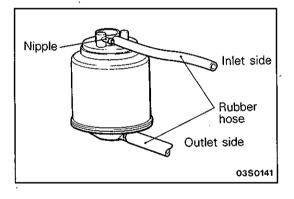
Pre-removal and Post-installation Operation

 Removal and Installation of Air Cleaner (Refer to GROUP 15 – Air Cleaner)



Removal steps

- 1. Vapor hose
- 2. Purge hose
- 3. Canister
- 4. Canister bracket



INSPECTION

SIMPLE INSPECTION OF CHECK VALVE INSIDE CANISTER

- (1) Connect clean rubber hoses to the nipples on the inlet side and outlet side.
- (2) Close off the other nipple with your finger and then check the operation of the check valve.

Inspection procedure	Normal condition
Lightly blow from inlet side (fuel tank side).	Air passes through with a slight feeling of resistance.
Lightly blow from outlet side (atmosphere side).	Air passes through.

EMISSION CONTROL < DIESEL>

SPECIFICATIONS

GENERAL SPECIFICATIONS

<Vehicles with EGR valve>

E17CA--

Items	Name	Specification
Exhaust emission control system	Exhaust gas recirculation system EGR valve EGR solenoid valve No. 1 EGR solenoid valve No.2	Single type Duty cycle solenoid valve ON-OFF solenoid valve

SERVICE SPECIFICATIONS

Item			Standard value
EGR solenoid valve No.1/No.2 resistance [at 20°C (68°F)]			36 – 44
		Idle position	0.28 – 0.48
Lever position sensor output voltage	V	Fully open	3.2 – 5.5
Engine speed sensor resistance ks		kΩ	1.2 – 1.7
Engine coolant temperature sensor resistance		At 20°C (68°F)	3.3
k s		At 80°C (176°F)	0.3

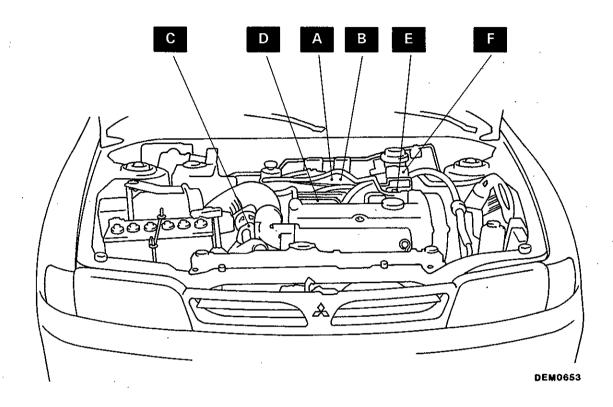
SPECIAL TOOLS

Tool	Number	Name	Use
	MD998478	Test harness (3P, square)	Inspection of lever position sensor

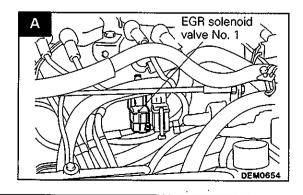
SERVICE ADJUSTMENT PROCEDURES

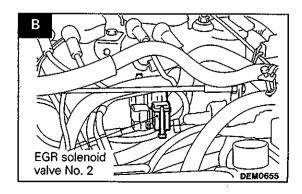
E17FGAA

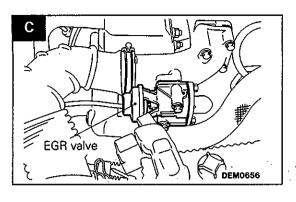
COMPONENT LAYOUT <Vehicles with EGR>

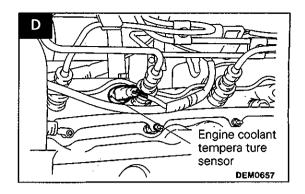


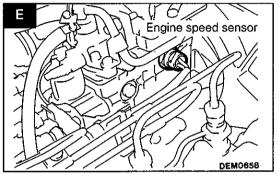
Parts name	Symbol	. Parts name	Symbol
EGR solenoid valve No. 1	А	Engine coolant temperature sensor	D
EGR solenoid valve No. 2	В	Engine speed sensor	, E
EGR valve	С	Lever position sensor	F

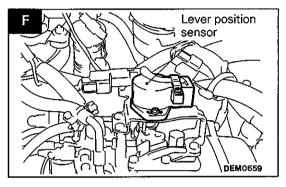




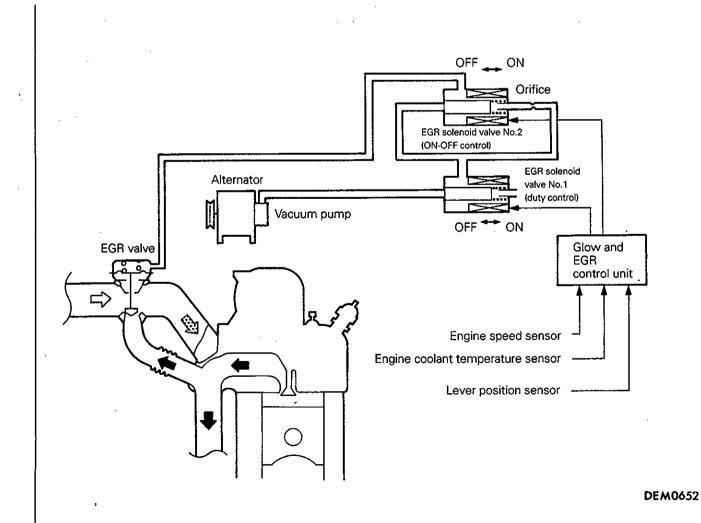


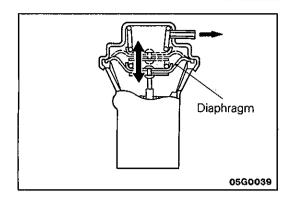






EXHAUST GAS RECIRCULATION (EGR) SYSTEM < VEHICLES WITH EGR>



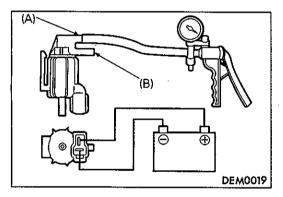


FUNCTION INSPECTION

- (1) Start the engine and let it warm up until the engine coolant temperature is 80°C (176°F) or above.
- (2) When the engine is raced by suddenly depressing the accelerator pedal, check to be sure that the diaphragm of the EGR valve lifts.

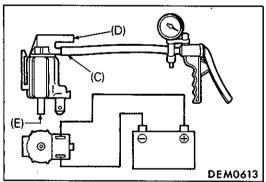
EGR SOLENOID VALVE NO.1/NO.2 OPERATION INSPECTION

- (1) Remove the EGR solenoid valve No.1/No.2 connectors and vacuum hoses.
- (2) Attach a vacuum pump to each nipple of the EGR solenoid valve No.1/No.2 and apply negative pressure. Check that the valves are airtight both when voltage is applied to each terminal of the EGR solenoid valves and when it is not applied.



EGR solenoid valve No.1

Battery voltage	Normal condition
When current is flowing	Vacuum leaks (Vacuum is maintained when nipple (B) is covered)
When current is not flowing	Vacuum is maintained



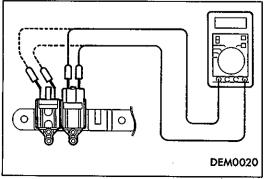
EGR solenoid valve No.2

Battery voltage	Normal condition
When current is flowing	Vacuum leaks (Vacuum is maintained when nipple (D) is covered)
When current is not flowing	Vacuum leaks (Vacuum is maintained when nipple (E) is covered)



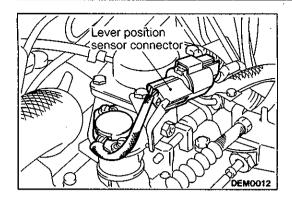
(1) Measure the coil resistances of the EGR solenoid valve No.1/No.2 with a circuit tester.

	Solenoid valve No.1/No.2 resistance Ω
Standard value [at 20°C (68°F)]	36 – 44



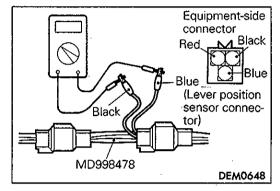
© Mitsubishi Motors Corporation Jun. 1992

17-22 EMISSION CONTROL < DIESEL> - Service Adjustment Procedures



LEVER POSITION SENSOR (LPS) ADJUSTMENT[Condition before adjustment]

- Engine coolant temperature 80–95°C (176–203°F)
- (1) Loosen the accelerator cable tension sufficiently.
- (2) Connect the special tool (test harness) to the lever position sensor connector shown in the illustration.

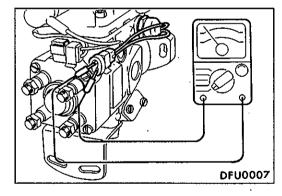


- (3) Connect a digital-type voltmeter between terminal (1) (red clip) and terminal (3) (blue clip) of the LPS.
- (4) Turn the ignition switch to ON. (Do not start the engine.)
- (5) Measure the output voltage of the lever position sensor.



Lever condition	Voltage V
Idle position	0.28 - 0.48
Fully open	3.2 – 5.5

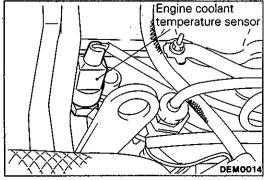
- (6) If the voltage is outside the standard value, adjust by loosening the LPS mounting screw and turning the LPS body. After adjustment, securely tighten the screw.
- (7) Turn the ignition switch to OFF.
- (8) Adjust the accelerator cable play.



ENGINE SPEED SENSOR INSPECTION

- (1) Disconnect the engine speed sensor connector.
- (2) Measure the resistance between the engine speed sensor terminals.

Standard value: 1.2 – 1.7 k Ω



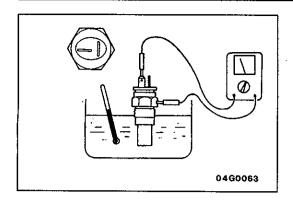
ENGINE COOLANT TEMPERATURE SENSOR INSPECTION

(1) Remove the engine coolant temperature sensor.

@ Miteuhichi Matare Comoration Inn

DEM0013

DAMAEG117.A ANNEN

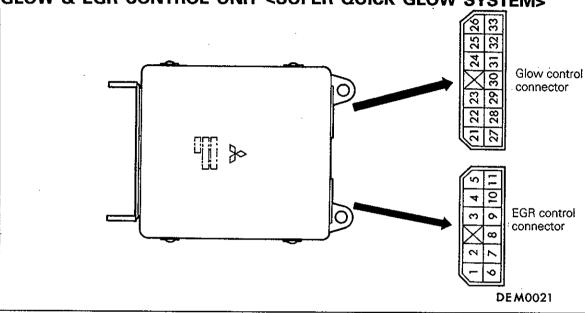


(2) Dip the sensing section of the engine coolant temperature sensor, and measure the resistance.

Standard value:

Temperature °C (°F)	Resistance value (k Ω)
0 (0)	8.6
20 (68)	3.3
40 (104)	1.5
80 (176)	0.3

GLOW & EGR CONTROL UNIT <SUPER QUICK GLOW SYSTEM>



TERMINAL VOLTAGE MEASUREMENT

NOTE

- 1. Inspect with the glow & EGR control unit connectors still connected.
- 2. Connect the earth to terminal No.30 of the glow & EGR control unit terminal when measuring the voltage.

Terminal Voltage Table

Glow and EGR control unit inspec- tion terminal	Inspection item	Inspection condition		Standard value
			Ignition switch: OFF → ON	
2 EGR solenoid valve No.1	While engine is idle after having warmed up, suddenly depress the accelerator pedal.		Momentarily increases	
3 Lever position sensor		Ignition	Throttle lever: Idle position	0.28 – 0.48 V
	switch: OFF → ON	Throttle lever: Fully open position	3.2 – 5.5 V	
5	Sensor applied voltage	Ignition switch: OFF → ON		4.5 – 5.5 V
8 EGR solenoid valve No.2		Ignition switch: OFF → ON		Battery voltage
	While engine is idle after having warmed up, suddenly depress the accelerator pedal.		Momentarily decreases	

17-24 EMISSION CONTROL < DIESEL> - Service Adjustment Procedures

Glow & EGR control unit harness side connector seen from terminal side
(11P) 5 4 3 2 1
11 10 9 8 7 6

(13P) 26 25 24 23 22 21
33 32 31 30 29 28 27

DEM0651

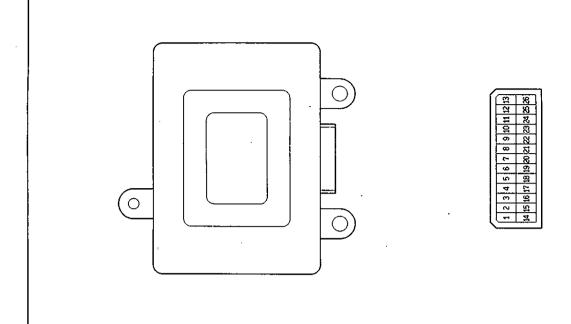
© Mitsubishi Motors Corporation

HARNESS CONTINUITY INSPECTION

- (1) Disconnect the glow & EGR control unit connector.
- (2) Check to be sure that there is continuity $(1.2-1.7 \Omega)$ between the harness side connector terminals (10)-(30).

DEM0025

GLOW & EGR CONTROL UNIT <SELF-REGULATING GLOW SYSTEM>



TERMINAL VOLTAGE MEASUREMENT

NOTE

- 1. Inspect with the glow & EGR control unit connectors still connected.
- 2. When measuring the voltage, the earth will be the glow & EGR unit terminal No. 13.

Terminal Voltage Reference Table

Glow & EGR control unit inspection terminal	Inspection item	Inspection condition		Standard value
·		Ignition switch: OFF → ON		11 – 13 V
3 EGR solenoid va	EGR solenoid valve No. 1	While engine is idling after having warmed up, suddenly race the engine.		Momentarily increases
6 Lever position se		Ignition	Throttle lever idle position	0.3 – 1.5 V
	Lever position sensor	switch: OFF → ON	Throttle lever fully open position	3.7 – 4.9 V
7	Sensor power supply	Ignition switch: OFF → ON		4.5 – 5.5 V
16	EGR solenoid valve No. 2	Ignition switch: OFF → ON		11 – 13 V
		While engine is idling after having warmed up, suddenly race the engine.		Momentarily decreases

Harness side connector 13 12 11 10 9 8 7 6 5 4 3 2 1 26 25 24 23 22 21 20 19 18 17 16 15 14 DEMO026

HARNESS CONTINUITY INSPECTION

- (1) Disconnect the glow & EGR control unit connector.
- (2) Check to be sure that there is continuity $(1.3-1.9 \text{ k}\Omega)$ between the harness side connector terminals 11-24.

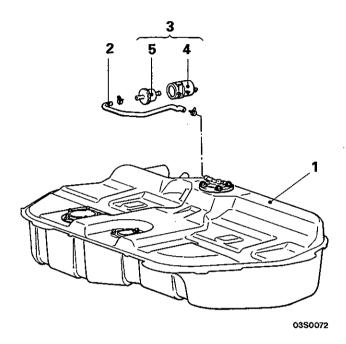
NOTE

TWO-WAY VALVE

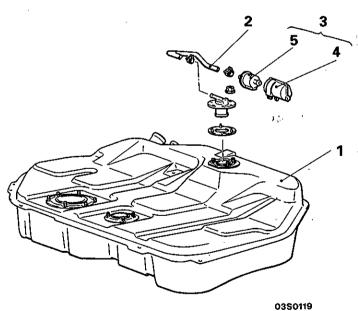
E171A--

REMOVAL AND INSTALLATION

<Sedan>

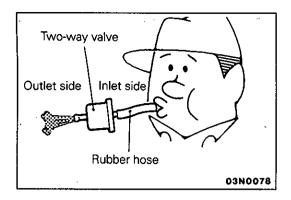


<Wagon>



Removal steps

- 1. Fuel tank (Refer to GROUP 13 - Fuel tank)
- Vapour hose connection
 Breather case and two-way valve assembly
 4. Breather case
 5. Two-way valve

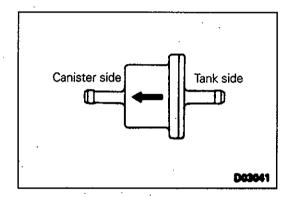


INSPECTIONSIMPLE CHECKING OF THE TWO-WAY VALVE

E13GCAO

Attach a clean hose and check the operation of the two-way valve.

Inspection procedure	Normal condition
Lightly blow from inlet side (fuel tank side).	Air passes through with a slight feeling of resistance.
Lightly blow from outlet side (canister side).	Air passes through.



SERVICE POINTS OF INSTALLATION

E13GDBD

ADDED

12. INSTALLATION OF TWO-WAY VALVE

Install so that the installation direction of the two-way valve is correct.