



EGR Valve

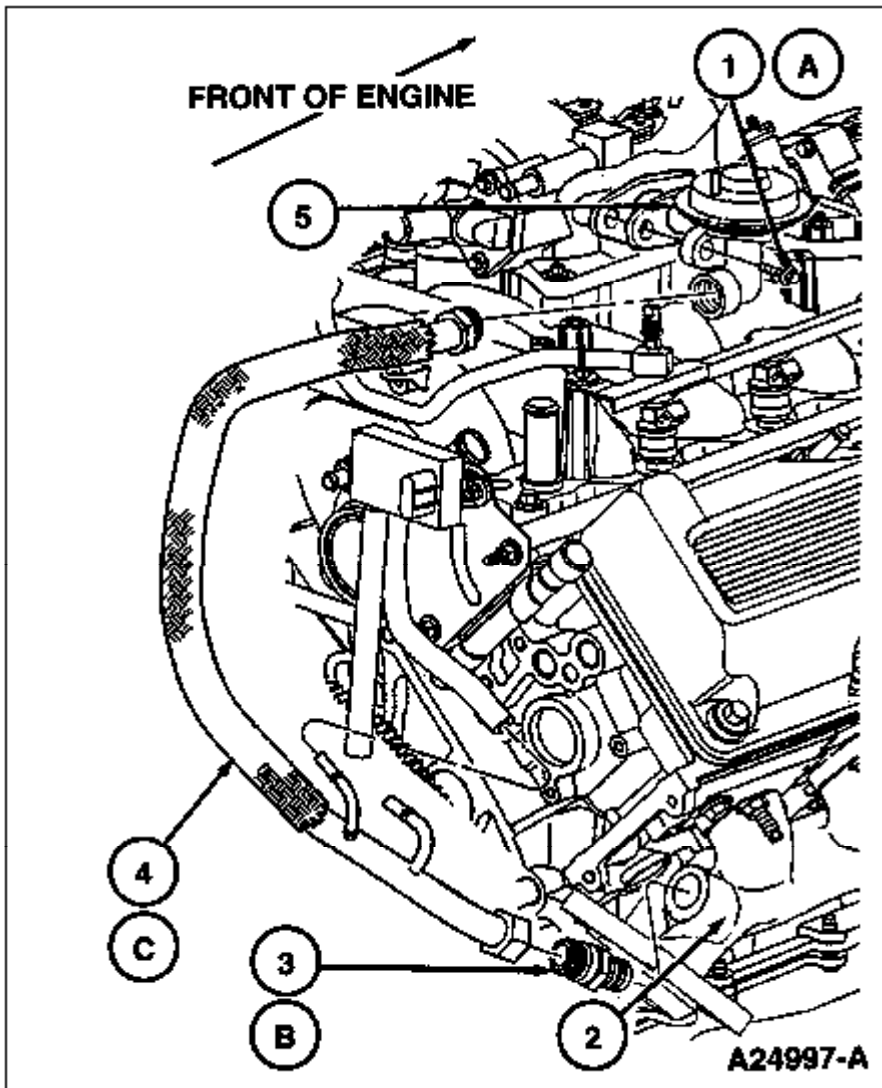
Removal

1. Remove air cleaner outlet tube (9B659) as described in «Section 03-12».
2. **CAUTION: Use care not to damage EGR valve to exhaust manifold tube (9D477).**
Disconnect EGR valve to exhaust manifold tube from EGR valve (EGR valve) (9D475).
3. Disconnect vacuum hose from EGR valve.
4. Remove two retaining bolts, EGR valve and EGR valve gasket (9D476) from vehicle.

Installation

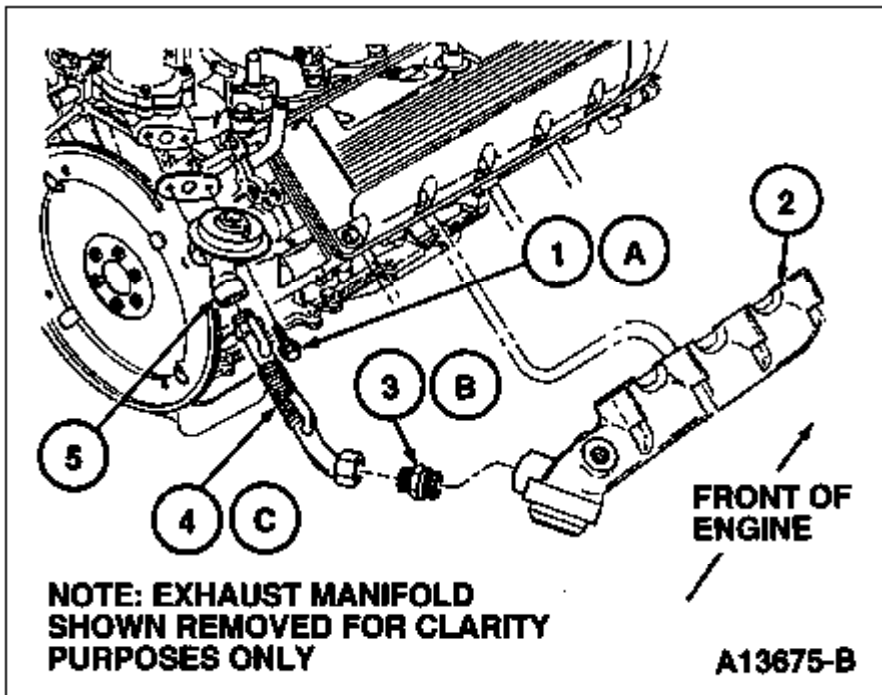
1. Clean intake manifold sealing surface with a plastic-tipped scraper to remove any residual EGR valve gasket material.
2. Position EGR valve gasket and EGR valve into vehicle.
3. Install two bolts retaining EGR valve to intake manifold (9424). Tighten bolts to 18-22 Nm (14-16 lb-ft), then rotate an additional 85-95 degrees.
4. Connect vacuum hose to EGR valve.
5. Connect EGR valve to exhaust manifold tube to EGR valve. Tighten EGR valve to exhaust manifold tube nuts to 35-45 Nm (26-33 lb-ft).
6. Install air cleaner outlet tube. Refer to «Section 03-12».

EGR Valve Installation—Gasoline Engine



Item	Part Number	Description
1	W701232-S431	Bolt (2 Req'd)
2	9430	RH Exhaust Manifold
3	9F485	EGR Valve Tube to Manifold Connector
4	9D477	EGR Valve to Exhaust Manifold Tube
5	9D475	EGR Valve
A	--	Tighten to 18-22 Nm (14-16 Lb-Ft), Then Rotate an Additional 85-95 Degrees
B	--	Tighten to 45-65 Nm (33-48 Lb-Ft)
C	--	Tighten to 35-45 Nm (26-33 Lb-Ft)

EGR Valve Installation—Natural Gas Engine



Item	Part Number	Description
1	W701232-S431	Bolt (2 Req'd)
2	9430	RH Exhaust Manifold
3	9F485	EGR Valve Tube to Manifold Connector
4	9D477	EGR Valve to Exhaust Manifold Tube
5	9D475	EGR Valve
A	--	Tighten to 18-22 Nm (14-16 Lb-Ft), Then Rotate an Additional 85-95 Degrees
B	--	Tighten to 45-65 Nm (33-48 Lb-Ft)
C	--	Tighten to 35-45 Nm (26-33 Lb-Ft)