

GROUP 15

INTAKE AND EXHAUST

GENERAL

OUTLINE OF CHANGE(S)

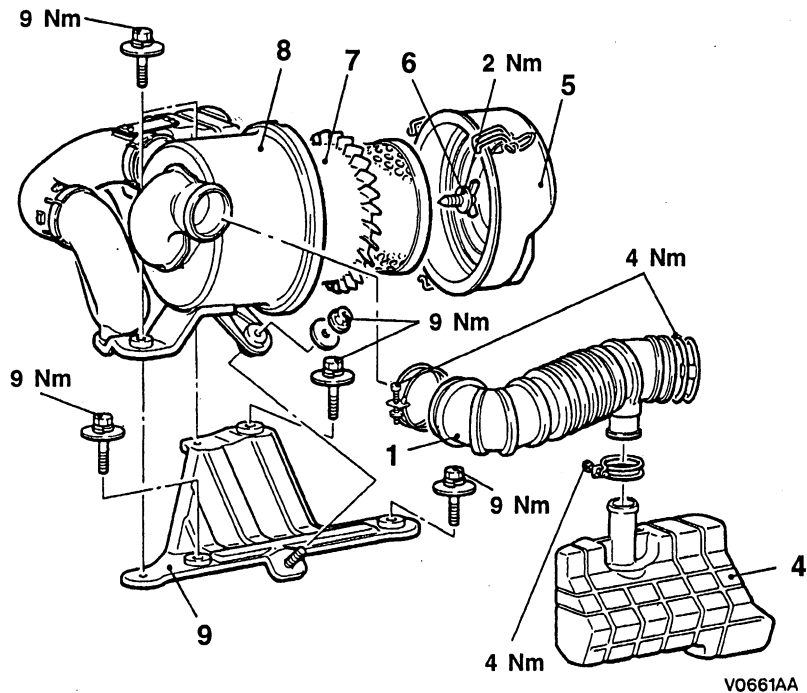
The service procedures have been changed due to the following modification.

- The air cleaner in the vehicles with 4D56 has been modified.
- EGR valves have been newly used in the vehicles with 4D56. Also, the manifold in the 2WD models has been modified.
- A catalytic converter and a flexible tube have been newly used in the 2WD models with 4D56.

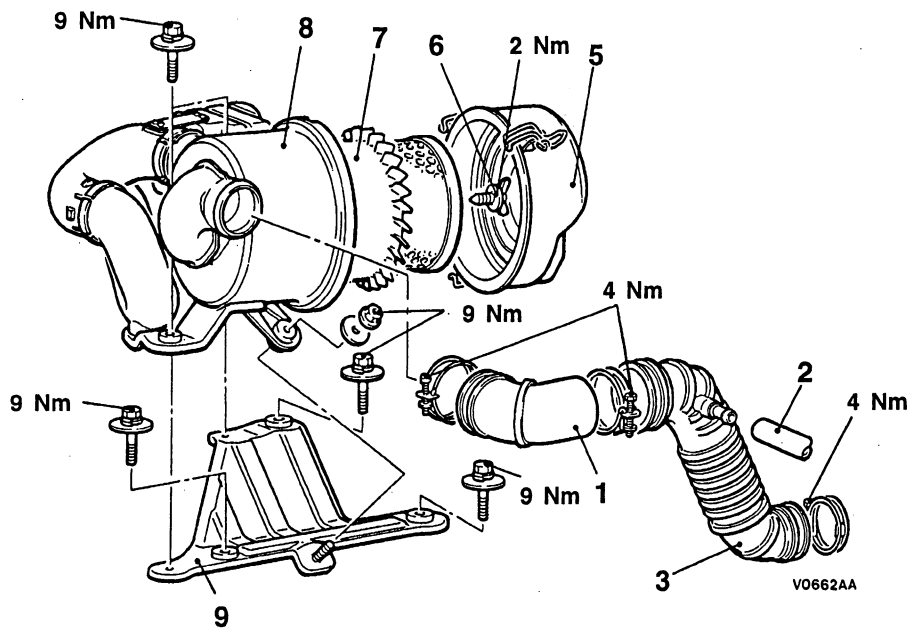
AIR CLEANER

REMOVAL AND INSTALLATION

<4D56-2WD>



<4D56-4WD>



Removal steps

1. Air intake hose A
2. Breather hose connection <4WD>
3. Air intake hose B <4WD>
4. Resonator <2WD>
5. Air cleaner cover

6. Bolt
7. Air cleaner element
8. Air cleaner body
9. Air cleaner bracket

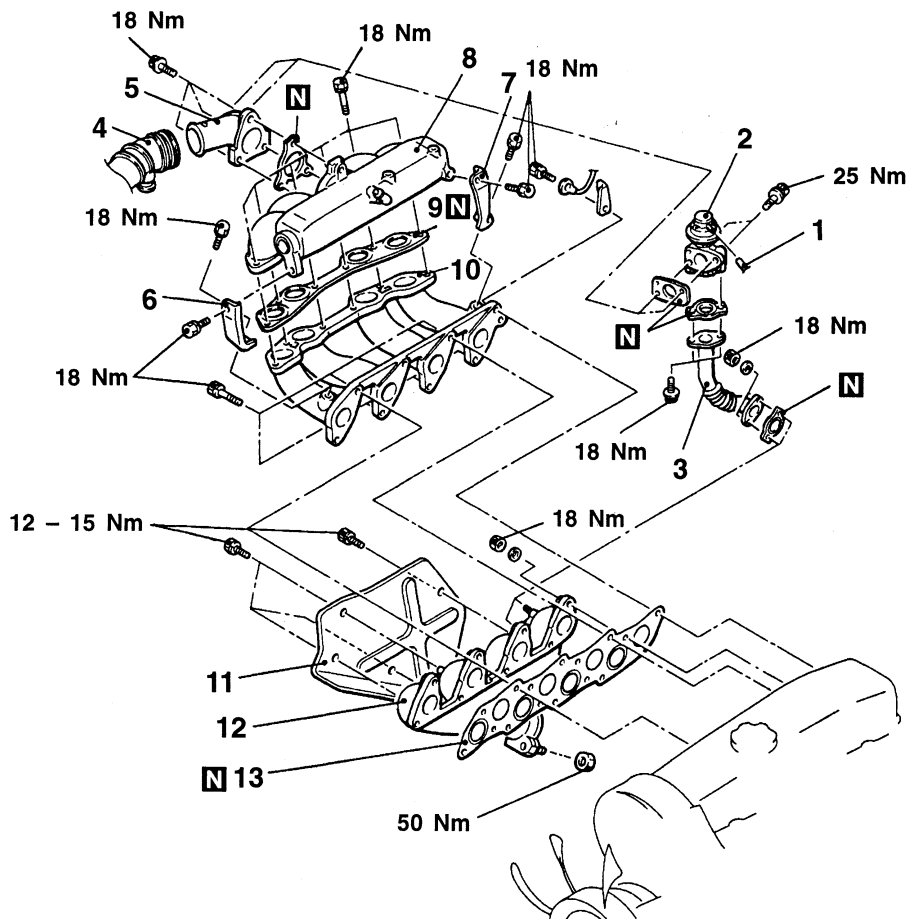
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INTAKE AND EXHAUST MANIFOLD <4D56-2WD>

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Front Exhaust Pipe Removal and Installation
(Refer to P.15-5.)



Removal steps

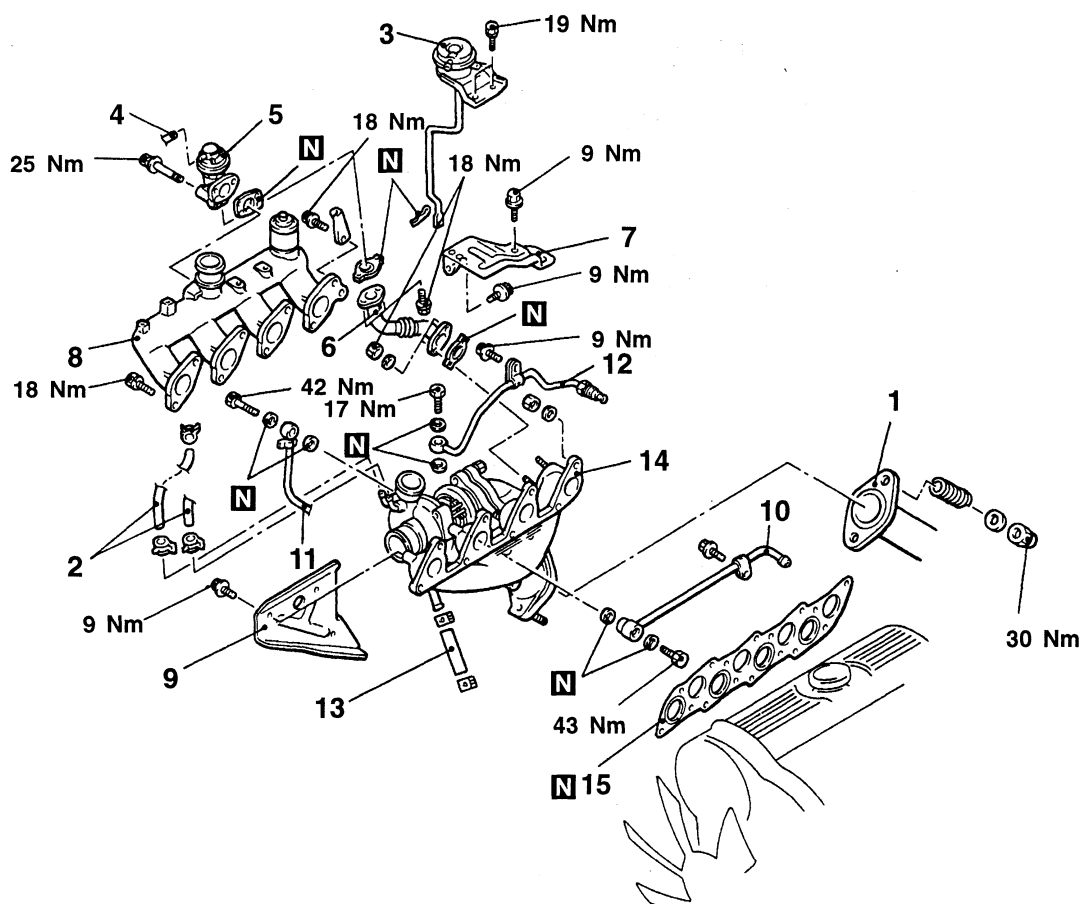
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|-------------------------------|--|
| 1. Vacuum hose | 8. Upper intake manifold |
| 2. EGR valve | 9. Intake manifold gasket |
| 3. EGR pipe | 10. Lower intake manifold |
| 4. Air intake hose A | 11. Heat protector |
| 5. Air intake fitting | 12. Exhaust manifold |
| 6. Front intake manifold stay | 13. Intake and exhaust manifold gasket |
| 7. Rear intake manifold stay | |

TURBOCHARGER AND EXHAUST MANIFOLD <4D56-4WD>

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Engine Coolant Draining and Supplying
- Air Cleaner Cover and Air Intake Hose Removal and Installation (Refer to P.15-2.)
- Intercooler Removal and Installation
- Brake Master Cylinder Heat Protector Removal and Installation



AV0664AA

Removal steps

1. Front exhaust pipe connection
2. Boost hoses
3. Waste gate actuator
4. Vacuum hose
5. EGR valve
6. EGR pipe
7. Heat protector A
8. Intake manifold
9. Heat protector
10. Water pipe B
11. Water pipe A
12. Oil pipe
13. Oil return hose connection
14. Exhaust manifold and turbocharger assembly
15. Intake and exhaust manifold gasket

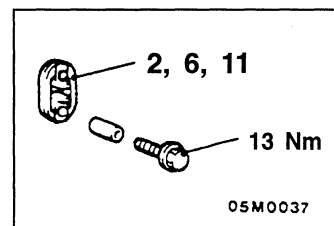
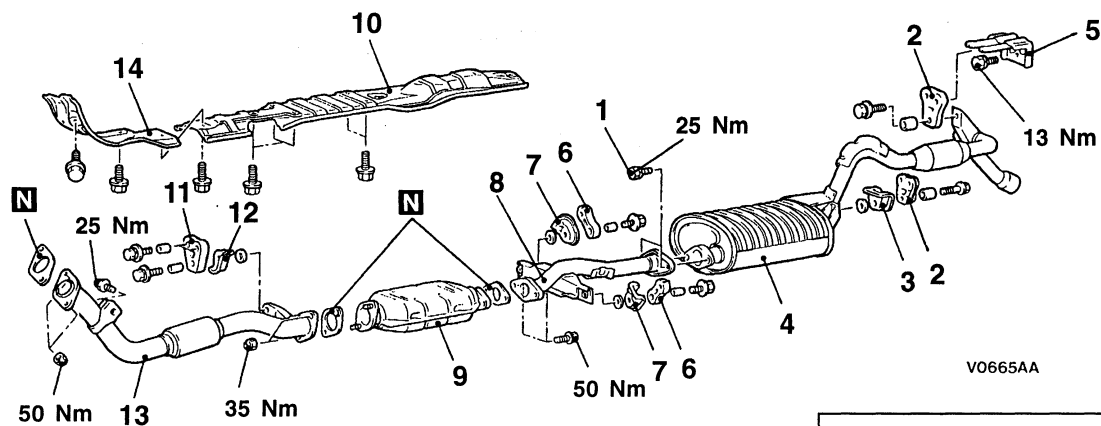
EXHAUST PIPE AND MAIN MUFFLER

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

- Front Under Cover Removal and Installation

<4D56-2WD>



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Main muffler removal steps

1. Bolt
2. Hangers
3. Heat cover
4. Main muffler
5. Hanger bracket

Center exhaust pipe removal steps

1. Bolt
6. Hangers
7. Heat covers

8. Center exhaust pipe
9. Catalytic converter
10. Front floor heat protector B

Front exhaust pipe removal steps

11. Hanger
12. Heat cover
13. Front exhaust pipe
14. Front floor heat protector A