

GENERAL

OUTLINE OF CHANGES

Due to the following changes to the vehicles with 4M41 engine, service procedures have been established.

- The intake manifold has been reshaped.
- The EGR pipe has been reshaped.

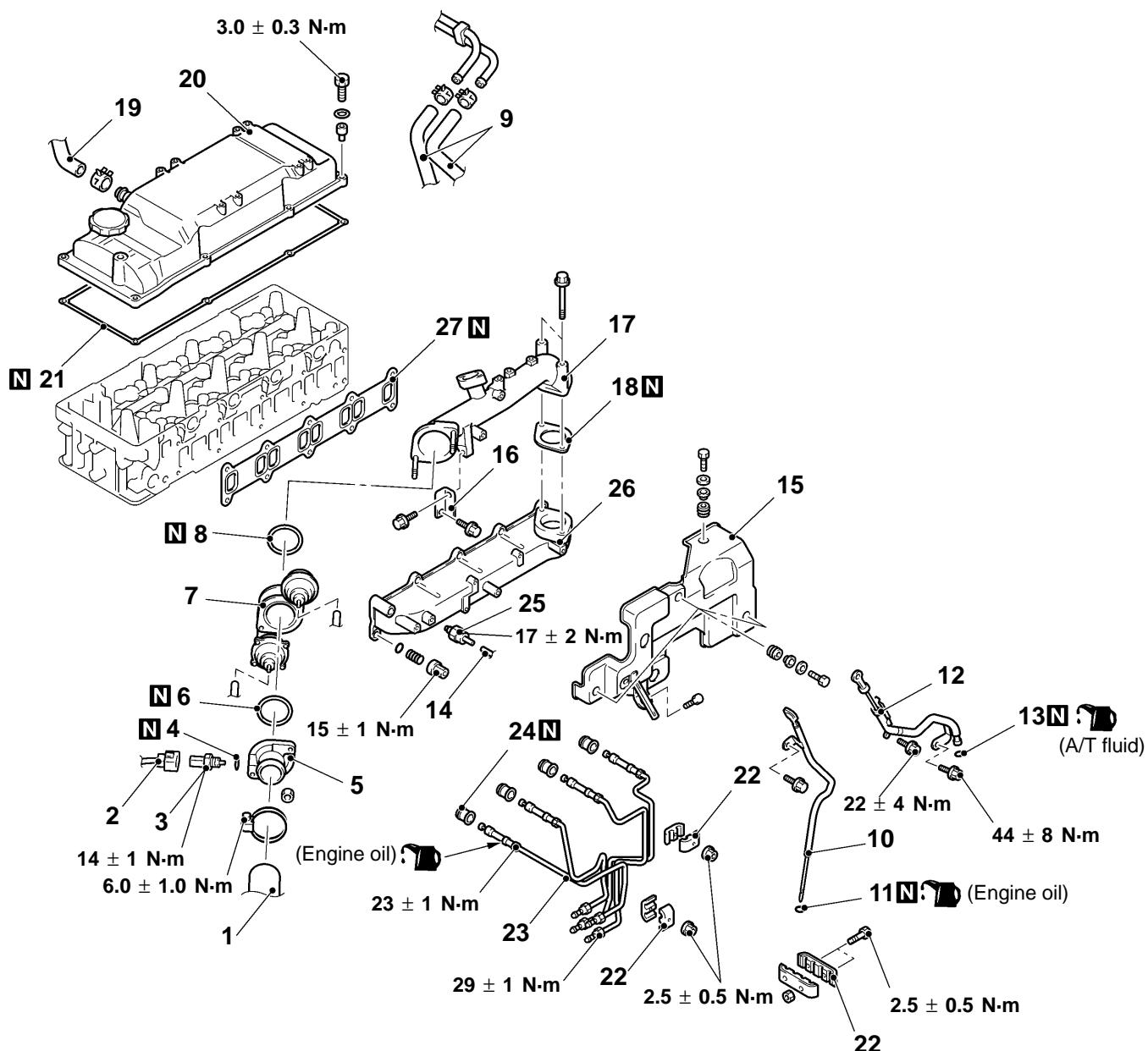
INTAKE MANIFOLD AND THROTTLE BODY <4M41>

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operations

- Engine Cover Removal and Installation
- Skid Plate and Under Cover Removal and Installation
- Battery, Battery Tray Removal and Installation
- Fuel Filter Removal and Installation

- EGR Valve and EGR Pipe Removal and Installation <M/T> (Refer to GROUP 17.)
- EGR Valve and EGR Pipe B Removal and Installation <A/T> (Refer to GROUP 17.)



AC205547AB

Removal steps

1. Intercooler air hose connection
2. Boost air temperature sensor connector
3. Boost air temperature sensor
4. Gasket
5. Intake air fitting
6. O-ring
7. Throttle body assembly
8. O-ring
9. Fuel hose connections
10. Engine oil level gauge and guide
11. O-ring
12. A/T fluid level gauge and guide
13. O-ring

14. Vacuum hose connection
15. Intake manifold cover
16. Air intake pipe stay
17. Air intake pipe
18. Air intake pipe gasket
19. Breather hose connection
20. Rocker cover
21. Rocker cover gasket
22. Clamps
23. Injection pipes
24. Injection pipe seals
25. Gas filter assembly
26. Intake manifold
27. Intake manifold gasket

**NOTE**

The removal and installation service points are the same as before.

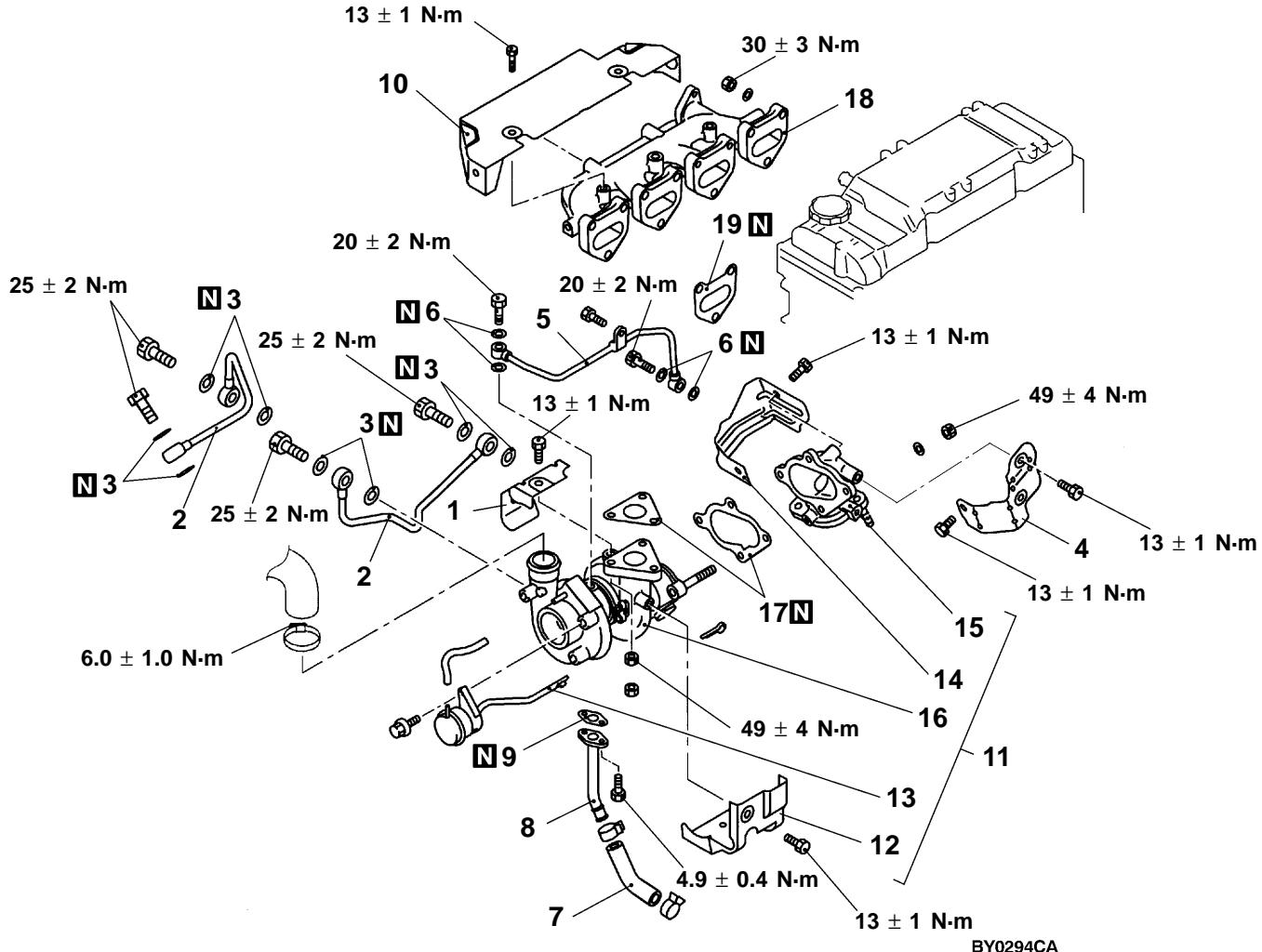
TURBOCHARGER AND EXHAUST MANIFOLD <4M41>

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operations

- Engine Coolant Draining and Refilling
- Skid Plate and Under Cover Removal and Installation
- Engine Cover Removal and Installation
- Air Cleaner Assembly Removal and Installation
- Battery, Battery Tray Removal and Installation

- EGR Pipe Removal and Installation <M/T> (Refer to GROUP 17.)
- EGR Pipe and EGR Box Removal and Installation <A/T> (Refer to GROUP 17.)
- Front Exhaust Pipe Removal and Installation



Removal steps

1. Turbocharger cover
2. Water pipes
3. Gaskets
4. Turbocharger cover
5. Oil pipe
6. Gaskets
7. Oil return hose
8. Oil return pipe
9. Oil return pipe gasket
10. Heat protector

11. Turbocharger and exhaust fitting assembly
12. Turbocharger cover
13. Waste gate actuator
14. Turbocharger cover
15. Exhaust fitting
16. Turbocharger assembly
17. Turbocharger gaskets
18. Exhaust manifold
19. Exhaust manifold gaskets

NOTE

The installation service points are the same as before.