
GROUP 11B

ENGINE OVERHAUL

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GENERAL DESCRIPTION

M1113000101054

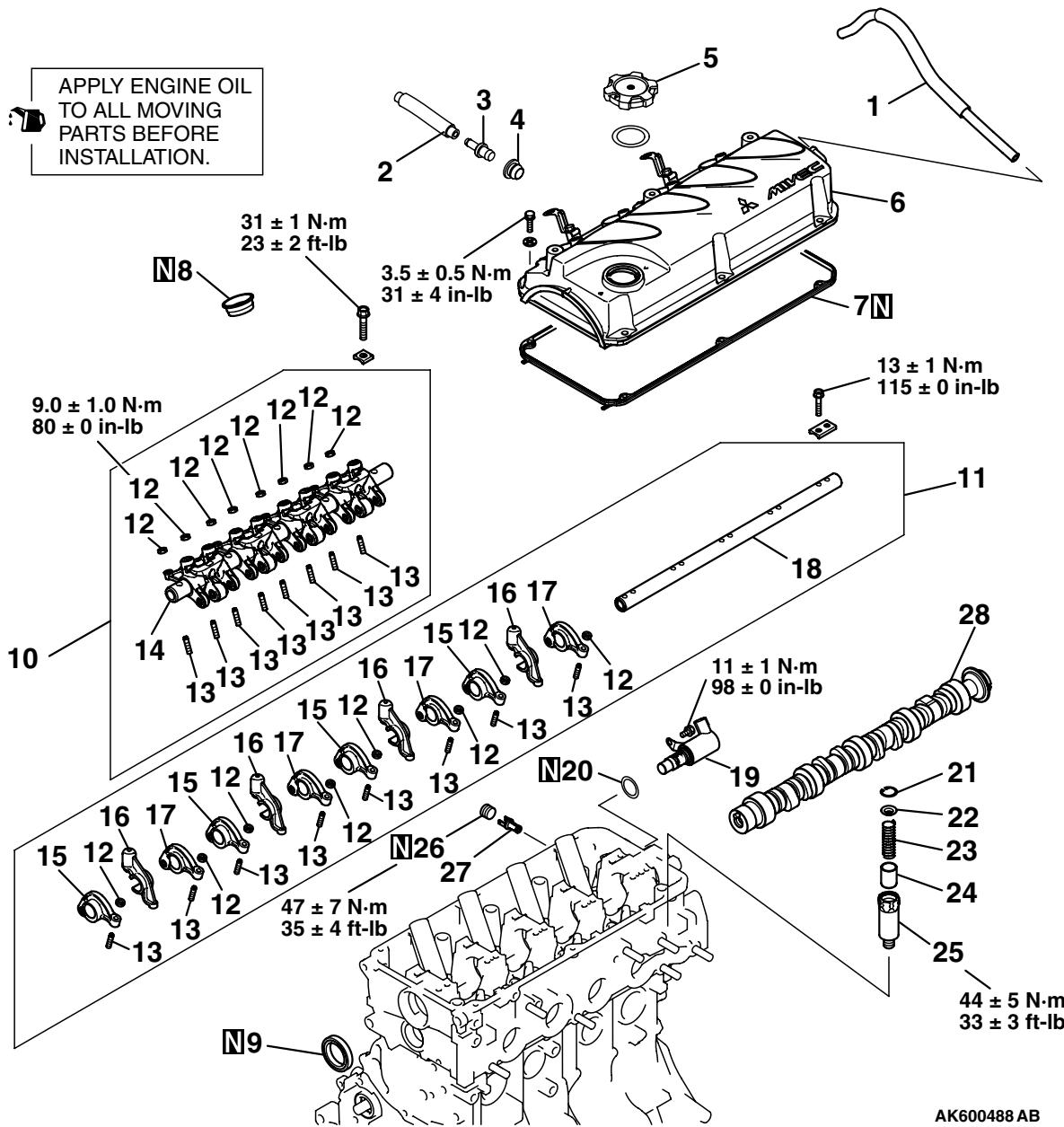
The maintenance point is changed with change in the oil filler cap and the PCV valve.

ROCKER ARMS AND CAMSHAFT REMOVAL AND INSTALLATION

M1113005401403

CAUTION

Much higher accuracy is required in the rocker arm installation (at the intake side). Therefore, mistakes in the rocker arm installation procedure might cause the operation failure. At the overhaul, surely tag the set of Rocker arm "A," T-lever and Rocker arm "B" and then remove the set. At the assembly, install Rocker arm "A," T-lever and Rocker arm "B" to Rocker shaft in accordance with the tag made during removal.



AK600488 AB

| REMOVAL STEPS | | REMOVAL STEPS (Continued) |
|----------------------|--|---|
| 1. | BREATHER HOSE | 14.ROCKER ARM SHAFT (INTAKE SIDE) |
| 2. | POSITIVE CRANKCASE VENTILATION HOSE | 15.ROCKER ARM "C" |
| 3. | POSITIVE CRANKCASE VENTILATION VALVE | 16.PISTON ARM ASSEMBLY |
| 4. | POSITIVE CRANKCASE VENTILATION VALVE GASKET | 17.ROCKER ARM "D" |
| 5. | OIL FILLER CAP | 18.ROCKER ARM SHAFT (EXHAUST SIDE) |
| 6. | ROCKER COVER | >>A<< 19.ENGINE OIL FEEDER CONTROL VALVE |
| 7. | ROCKER COVER GASKET | >>A<< 20.O-RING |
| 8. | OIL SEAL | 21.SNAP RING |
| >>D<< | 9. OIL SEAL | 22.ACUMULATOR SPRING SEAT |
| <<A>> | >>C<< 10.ROCKER ARMS AND ROCKER ARM SHAFT (INTAKE SIDE) | 23.PLUNGER SPRING |
| <<A>> | >>C<< 11.ROCKER ARMS AND ROCKER ARM SHAFT (EXHAUST SIDE) | 24.ACUMULATOR PLUNGER |
| | 12.NUT | 25.ACUMULATOR BODY |
| >>B<< | 13.ADJUSTING SCREW | 26.TAPER PLUG |
| | | 27.ENGINE OIL FEEDER CONTROL VALVE FILTER |
| | | 28.CAMSHAFT |

Required Special Tools:

- MD998713: Camshaft Oil Seal Installer

NOTE: A point of installation and removal, the following service procedure is available. The others are the same as 4G69-MIVEC engine described in GALANT Service Manual.

FASTENER TIGHTENING SPECIFICATIONS

M1113023401744

| ITEM | SPECIFICATION |
|--|---|
| Rocker arms and camshaft | |
| Accumulator body bolt | $44 \pm 5 \text{ N}\cdot\text{m}$ (33 \pm 3 ft-lb) |
| Engine oil control valve bolt | $11 \pm 1 \text{ N}\cdot\text{m}$ (98 \pm 8 ft-lb) |
| Positive crankcase ventilation valve | $10 \pm 2 \text{ N}\cdot\text{m}$ (89 \pm 17 in-lb) |
| Rocker arms and rocker arm shaft bolt <exhaust side> | $13 \pm 1 \text{ N}\cdot\text{m}$ (115 \pm 8 in-lb) |
| Rocker arms and rocker arm shaft bolt <intake side> | $31 \pm 3 \text{ N}\cdot\text{m}$ (23 \pm 2 ft-lb) |
| Rocker cover bolt | $3.5 \pm 0.5 \text{ N}\cdot\text{m}$ (31 \pm 4 in-lb) |
| Taper plug | $47 \pm 7 \text{ N}\cdot\text{m}$ (35 \pm 4 ft-lb) |