

Component Procedures: Intake Manifold

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Component Procedures: Intake Manifold

Parts and Labor (itype_189)

Parts

| Qualifier | Part # | Name | Price | Note |
|-------------------------|----------|-----------------|--------|------|
| Intake Manifold > Upper | 12642700 | Intake Manifold | 463.71 | |
| Intake Manifold > Lower | 12611155 | Intake Manifold | 475.76 | |

Labor

| Operation | Qualifier Path | Skill | Std Hrs | Wty Hrs |
|------------------|-------------------------------|-------|---------|---------|
| Remove & Replace | Intake > Intake Manifold, R&R | B | 1.8 | 1.2 |

Intake Manifold Cover Replacement - Front (Article 12185)

Callout Component Name

1 Oil Filler Cap

2 Intake Manifold Cover Procedure Grasp cover on outside edges and lift up to release from retainers. Pull the cover forward to remove from the rear tabs.

Procedure

- Grasp cover on outside edges and lift up to release from retainers.
- Pull the cover forward to remove from the rear tabs.

Intake Manifold Cover Replacement - Rear (Article 12186)

Callout Component Name

Preliminary Procedure Remove the front intake manifold cover . Refer to Intake Manifold Cover Replacement - Front .

Preliminary Procedure

Remove the front intake manifold cover . Refer to Intake Manifold Cover Replacement - Front .

1 Rear Intake manifold Cover Retainer (QTY:2)

2 Rear Intake Manifold Cover

Intake Manifold Replacement (Article 12187)

Removal Procedure

- Remove the intake manifold cover (2). Refer to Intake Manifold Cover Replacement - Front . Click for full-size image
- Remove the rear intake manifold cover retainers (1). Click for full-size image
- Remove the rear intake manifold cover (2).
- Remove the PCV dirty air tube (1) from the right camshaft cover . Click for full-size image
- Remove the PCV dirty air tube (1) from the intake manifold.
- Remove the fuel pipe shield (2) to intake manifold bolts (1). Click for full-size image
- Remove the air outlet duct. Refer to Air Cleaner Outlet Duct Replacement .
- Disconnect the brake booster vacuum hose (2) from the intake manifold. Click for full-size image
- Remove electrical connector and hose from the purge solenoid (4)
- Disconnect the throttle body electrical connector (3).
- Disconnect the map sensor connector (1).
- Remove the intake manifold bolts (1). Click for full-size image
- Remove the intake manifold (2) and gasket (3).
- If replacing the intake manifold, disassemble the intake manifold. Refer to Intake Manifold Disassemble .

Installation Procedure

- If installing a new intake manifold, assemble the intake manifold. Refer to Intake Manifold Assemble . Click for full-size image
- Install the NEW intake manifold gasket (3).
- Position the intake manifold (2) and hand start the manifold bolts (1).
- Tighten the intake manifold bolts in the sequence shown to 25 Nm (18 lb ft) . Click for full-size image
- Tighten the intake manifold bolts a second pass in sequence to 25 Nm (18 lb ft) .
- Connect the brake booster vacuum hose (2) to the intake manifold. Click for full-size image
- Connect electrical connector and hose from the purge solenoid (4)
- Connect the throttle body electrical connector (3).

- Connect the map sensor connector (1).
- Install the PCV dirty air tube (1) to the right camshaft cover. Click for full-size image
- Install the PCV dirty air tube (1) to the intake manifold.
- Install the air outlet duct. Refer to Air Cleaner Outlet Duct Replacement .
- Install the fuel pipe shield (2) to intake manifold bolts (1) and tighten to 10 Nm (89 lb in) . Click for full-size image
- Install the rear intake manifold cover (2). Click for full-size image
- Install the rear intake manifold cover retainers (1).
- Install the intake manifold cover (2). Refer to Intake Manifold Cover Replacement - Front . Click for full-size image

All New Technical Service Bulletins (itype_432)

Tsbs

- Engine Replacement After Severe Internal Engine Damage – Replace Intake Manifold (00-06-01-026T, 2025/10/13)

All Technical Service Bulletins (itype_100)

Tsbs

- Engine Replacement After Severe Internal Engine Damage – Replace Intake Manifold (00-06-01-026T, 2025/10/13)