

Vehicle » Powertrain Management » Ignition System » Ignition Coil » Service and Repair » Removal and Replacement » AR15.12-P-2003FH Remove/Install Ignition Coils

AR15.12-P-2003FH Remove/Install Ignition Coils

ENGINE 276 in MODEL 204

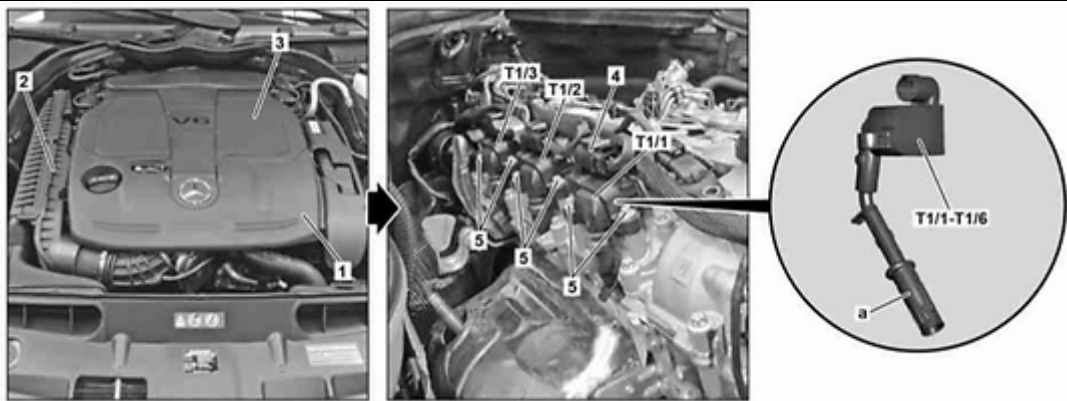
ENGINE 276, 278 in MODEL 207

Zoom and Print Options

Modification notes

| | | | |
|----------|--------------------------------|-------------|--|
| 24.11.11 | Repair method has been revised | MODEL 204.9 | |
|----------|--------------------------------|-------------|--|

Zoom and Print Options



Shown on model 204.057

- 1 Front engine cover
- 2 Air filter housing
- 3 Resonance intake manifold
- 4 Connector
- 5 Screw/bolts
- a Spark plug connector
- T1/1Cylinder 1 ignition coil
- T1/2Cylinder 2 ignition coil
- T1/3Cylinder 3 ignition coil
- T1/4Cylinder 4 ignition coil
- T1/5Cylinder 5 ignition coil
- T1/6Cylinder 6 ignition coil

| | | | |
|-----------------|--|--|--|
| | Remove/install | | |
| Danger ! | Risk of injury caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof. | No parts of the body or limbs should be within the operating area when the components are moving. | AS00.00-Z-0011-01A |
| Danger ! | Risk of death caused by contact with parts conducting high voltages. | Do not touch parts which conduct high voltages. Persons who have electronic implants (e.g. cardiac pacemakers) should never perform any work on the ignition system. | AS15.10-Z-0001-01A |
| Danger ! | Risk of injury . Skin or eye injuries may result when handling hot or glowing objects. | Wear protective gloves, protective clothing and safety glasses, if necessary. | AS00.00-Z-0002-01A |
| | Notes on avoiding damage to ignition system | | AH15.10-P-0002-01V |
| 1 | Switch off ignition | | |
| 2.1 | Remove resonance intake manifold | MODEL 204 (except 204.9), 207 | AR09.20-P-1961FH |
| 2.2 | Remove upper engine covers | ENGINE 276.8, 278 | |
| 2.3 | Detach vacuum reservoir from bracket for ME-SFI [ME] control unit | Model 204.9, if required | |
| 3.1 | Remove both air filter housings | ENGINE 276.8, 278 ENGINE 276.8 | AR09.10-P-1150ELS |
| 3.2 | Remove air filter housing (2) | ENGINE 276.9 Bolt, air filter to cylinder head cover Bolt, air filter to air intake pipe support brace | *BA09.10-P-1001-01M *BA09.10-P-1002-01M |
| 4 | Remove insulation on rail | If installed | |
| 5 | Detach connector (4) on ignition coils (T1/1 to T1/6 or T1/1 to T1/8) | | |

Zoom and Print Options

| | | | |
|----|--|---|---------------------|
| 6 | Remove screw/bolts (5) of ignition coils (T1/1 to T1/6 and T1/1 to T1/8) | Screw/bolt, ignition coil to cylinder head cover | *BA15.10-P-1001-04A |
| 7 | Pull off ignition coils (T1/1 to T1/6 and T1/1 to T1/8) with spark plug connectors (a) upwards and out | The ignition coils (T1/1 to T1/6 or T1/1 to T1/8) and the spark plug connector (a) create a unit and can therefore only be removed and replaced together. | |
| | Check | | |
| 8 | Check ignition coils (T1/1 to T1/6 or T1/1 to T1/8) and spark plug connector (a) for damage and replace if necessary | | |
| 9 | Install in the reverse order | | |
| 10 | Read out fault memory with STAR DIAGNOSIS and clear if necessary | | AD00.00-P-2000-04A |

Zoom and Print Options

Air filter

| Number | Designation | ENGINE 276.9 |
|--------------------|---|--------------|
| BA09.10-P-1001-01M | Bolt, air filter to cylinder head cover | Nm 9 |

Air filter

| Number | Designation | ENGINE 276.9 |
|--------------------|---|--------------|
| BA09.10-P-1002-01M | Bolt, air filter to air intake pipe support brace | Nm 9 |

Zoom and Print Options

Ignition coil

| Number | Designation | ENGINE 276 | ENGINE 278 |
|--------------------|--|------------|------------|
| BA15.10-P-1001-04A | Screw/bolt, ignition coil to cylinder head cover | Nm 9 | 9 |

