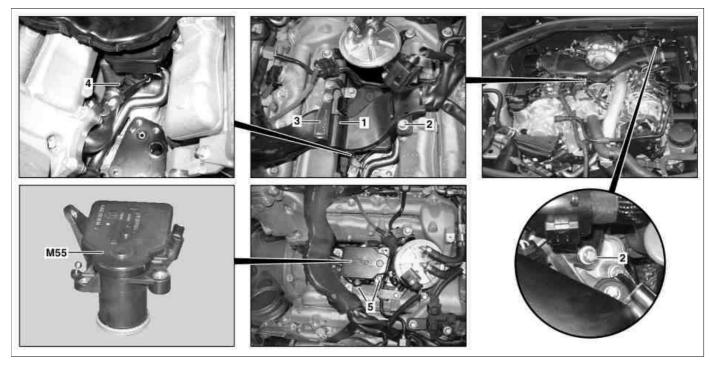
ENGINES 642 in MODEL 164, 251

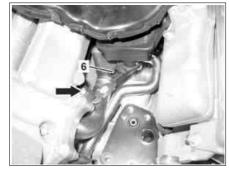


P09.20-2177-09

- 1 Engine cable duct
- 2 Bolts
- 6 Intake port shutoff lever
- 3 Bracket
- 4 Clip

5 Bolts

M55 Intake port shutoff Engine



P09.20-2193-01

| \mathbf{x} | Removing | | |
|--------------|---|--|--|
| | Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof | Keep body parts and limbs well clear of moving parts. | AS00.00-Z-0011-01A |
| 1.1 | Removes strut tower brace | Model 164.8 only i Remove strut tower brace from strut towe mounts. | AR62.30-P-2500GY |
| 1.2 | Remove partition wall between wheel wells | Model 251 only | AR62.30-P-2400RT |
| 2 | Remove engine trim panel | Model 164 Model 251 | AR01.10-P-2405GZB AR01.10-P-2405RTB |
| 3 | Detach bracket (3) | i If installed. | |
| 4 | Remove turbocharger | Model 164 Model 251 | AR09.40-P-6020GZB AR09.40-P-6020RTB |
| 5 | Remove oil supply connection fittings for turbocharger | | AR09.40-P-6023GZB |
| 6 | Loosen engine cable duct (1) | i Remove bolts (2) and place engine cable duct (1) to one side. | |
| 7 | Detach electrical connector at the intake port shutoff Engine (M55) | | |
| 8 | Unclip engine intake port shutoff (M55) | i Unlatch clip (4), turn linkage and unlatch second clip. | |
| 9 | Remove bolts (5) | | |
| 10 | Take out inlet port shutoff Engine (M55) | | |
| X | Install | | |

| 11 | Install engine intake port shutoff (M55) | | |
|------|---|---|---------------------|
| 12 | Clip in inlet port shutoff lever (M55) | i Clips must not be reused and new clips must be fitted. | |
| 13 | Fully tighten bolts (5) | i Install inlet port shutoff Engine (M55) without tension and pay attention to the correct adjustment of the linkage. | |
| 14 | Connect up electrical connector from intake port shutoff Engine (M55) | | |
| 15 | Secure engine cable duct (1) | i Screw in bolts (2). | |
| 16 | Install oil supply connection fitting for turbocharger | Replace gasket, in order to avoid leakage. | AR09.40-P-6023GZB |
| 17 | Install turbocharger | Model 164 | AR09.40-P-6020GZB |
| | | Model 251 | AR09.40-P-6020RTB |
| 18 | Fit bracket (3). | i If installed. | |
| | | i Press on bracket (3) at turbocharger and contact bolt to turbocharger. Then tighten the threaded connection at the inlet port shutoff and charge air manifold. Tighten bolt on turbocharger last. | |
| | | Nm | *BA09.20-P-1003-01Q |
| 19 | Reinstall engine cover | Model 164 | AR01.10-P-2405GZB |
| | | Model 251 | AR01.10-P-2405RTB |
| 20.1 | Install strut tower brace | Model 164.8 only | AR62.30-P-2500GY |
| | | i Install strut tower brace at spring dome mounts. | |
| 20.2 | Remove/install between the wheel well liners | Model 251 only | AR62.30-P-2400RT |
| | Adjust | | |
| 21 | Depress lever for inlet port shutoff (6) at stop (arrow) | | |
| 22 | Tighten bolt at fastener for inlet port shutoff lever (6) | When adjusting intake port shutoff (6) lever ensure that the intake port shutoff Engine (M55) is held by a spring without energization in the mechanical base position. This position must not be changed or affected by the adjusting procedure. | *BA09.20-P-1002-01Q |

Nm Intake manifold

| Number | Designation | Engine 642 |
|--------------------|---|---------------|
| BA09.20-P-1002-01Q | Fastener bolt to intake port shutoff lever Nm | 5 |
| BA09.20-P-1003-01Q | Intake port shutoff bracket bolt to intake Nm manifold and turbocharger | 8 |