

J10

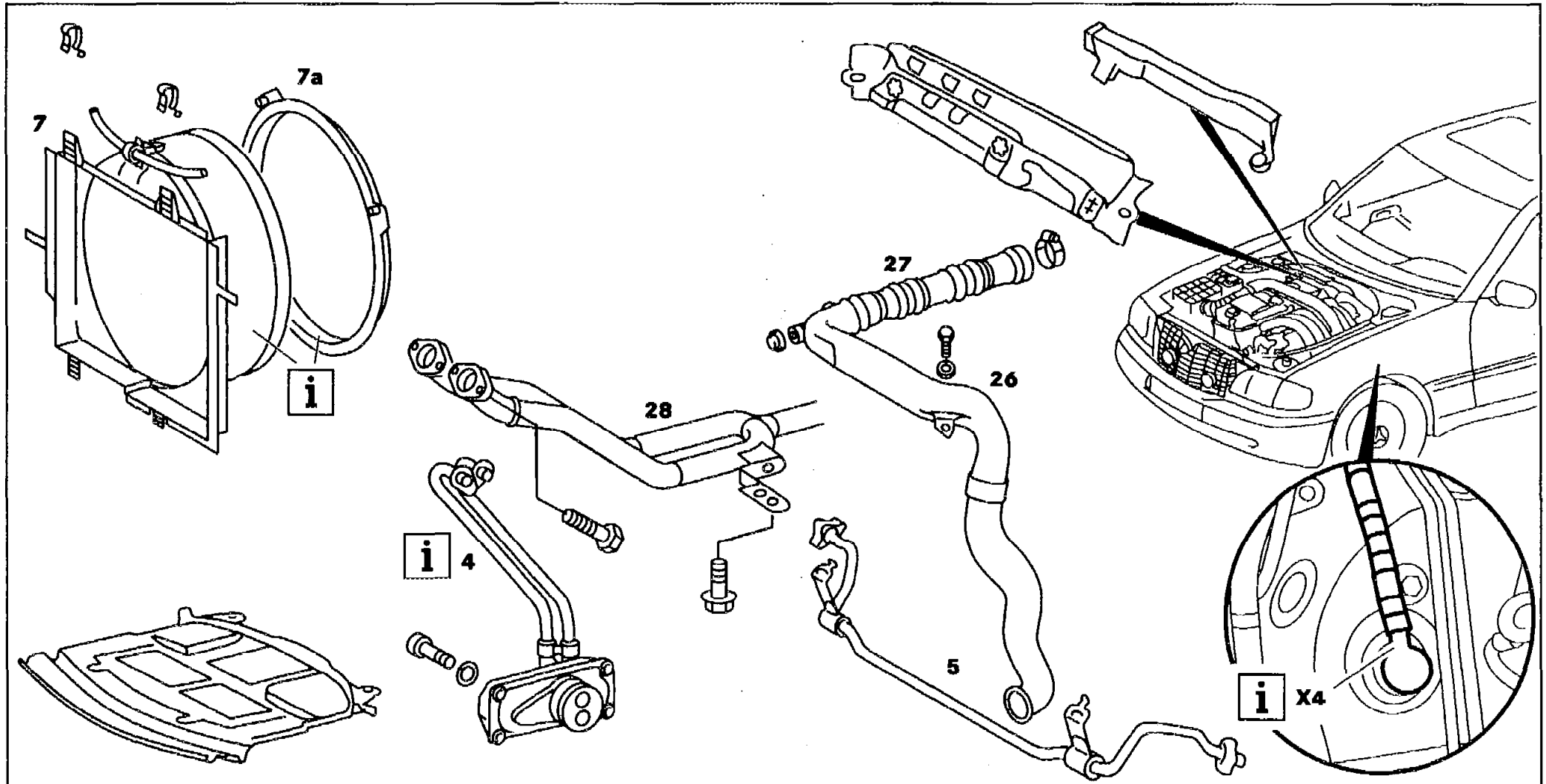
AR01.45-P-7500HA

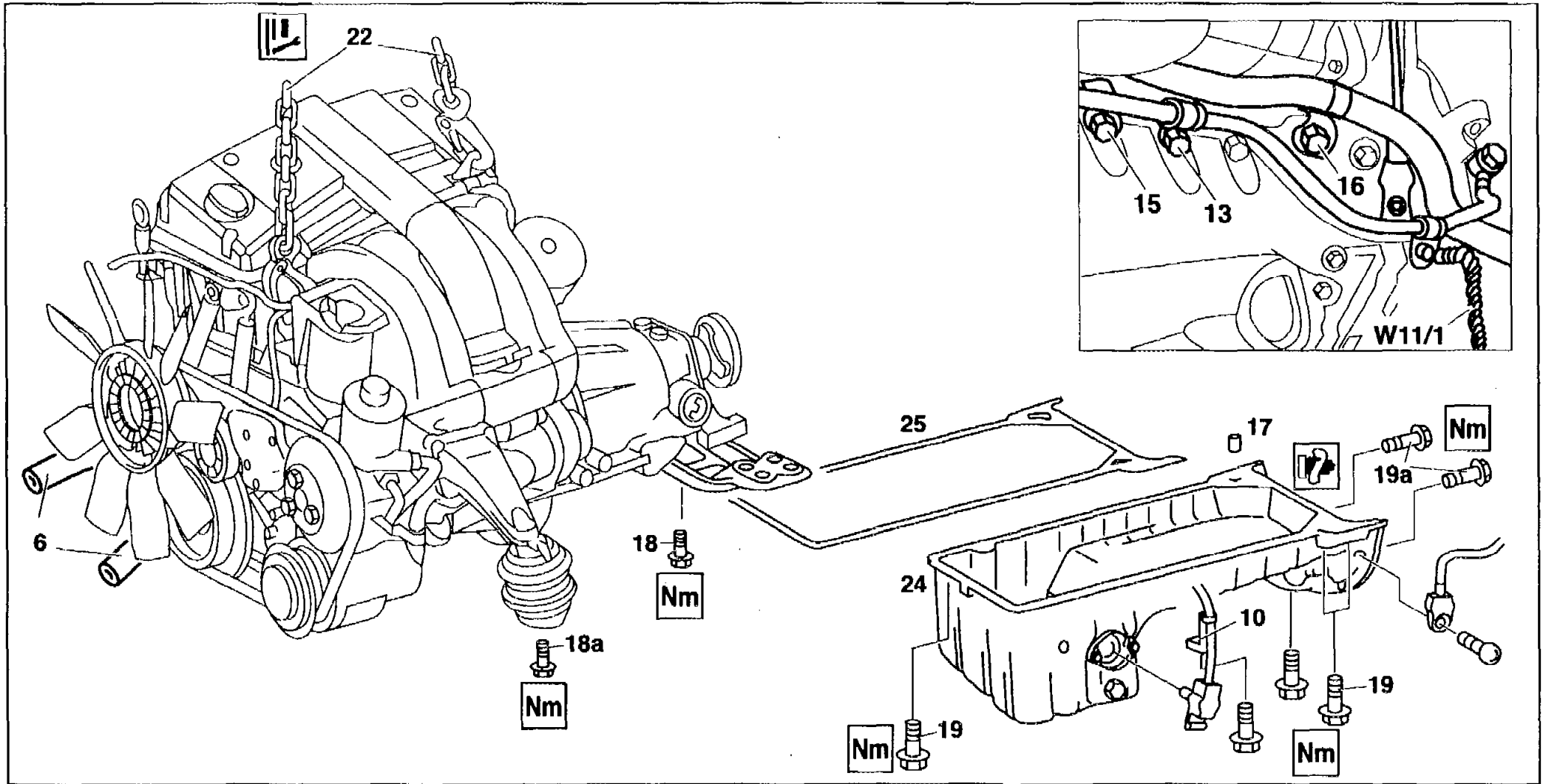
Removing, installing oil sump

2.4.93

ENGINE 605, 606 in MODEL 124





ENGINE 601, 604, 605 in MODEL 202










P01.45-0205-09

| | | | |
|------------|--|-----------------------|------------------------|
| | <p>Removing, installing</p> | | |
| <p>1.1</p> | <p>Disconnect charge air hose (27) at pressure regulator housing</p> | <p>Engine 605.960</p> | <p>AR09.41-P-1311H</p> |

| | | | |
|-----|--|--|--|
| 2.1 | Unbolt charge air pipe (26) at radiator | Engine 605.960 | AR09.41-P-1311H |
| 3 | Detach fan shroud (7) or fan shroud ring (7a) from fixtures and place over fan |  Installation on engine 604/605 ↓ Adjust fan shroud | AR20.40-P-6800-01HA H16 |
| 4 | Remove oil-water heat exchanger (4) at the oil sump | Model 124 with oil-water heat exchanger at oil sump Model 202 up to 06.94, with oil-water heat exchanger in oil sump. Drain coolant and engine oil for this step | AR18.30-P-3480HA |
| 5 | Remove torsion bar (5) of front suspension | Model 124 Model 202 | 32-300 AR32.20-P-0300C |
| 6.1 | Disconnect ground cable at battery | Model 202 | AR54.10-P-0003A |
| 7.1 | Unbolt electric cable of starter |  Engine 601,604,605 in model 202 Unbolt cable at terminal block (X4) in left footwell | |
| 8 | Remove bolts of engine mounts (18, 18a) |   | BA22.10-P-1001-01A BA22.10-P-1002-01A |
| 9.1 | Unbolt exhaust (28) at exhaust manifold and transmission intermediate bearing | Engine 604, 605 | AR49.10-P-7000I |

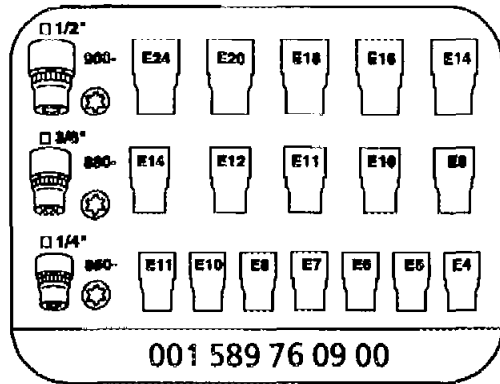
| | | | |
|-----------|---|---|---|
| <p>10</p> | <p>Remove bolts of oil sump (19, 19a)</p> | <p> Installation: Pay attention to bracket (10) for electric cable of oil level sensor and attachment of ground strap at transmission bell. If automatic transmission (code 420a, 425a) fitted, pay attention to bracket for ATF lines (13) and transmission wiring harness (15, 16)</p> <p>Pay attention to different lengths and diameters of bolts ↓</p> <p>Engine 604, 605, 606 bolt diagram of oil pan</p> <p>Align oil sump (24) to rear contact surface at transmission.</p> <p> If the oil sump is not aligned to the transmission, this can result in noise and vibration problems.</p> <p> </p> | <p>AR01.45-P-7500-06HA J16</p> <p>BA01.45-P-1001-01A BA01.45-P-1002-01A</p> |
| <p>11</p> | <p>Raise engine</p> | <p></p> | <p>AR01.10-P-7500-03HA A15</p> |

**Nm** Oil sump

| Number | Designation | | | Engine 601, 602 except 602.98, 603 except 603.913/963 | Engine 604, 605, 606 |
|--------------------|---------------------------------------|-----|----|--|----------------------------|
| BA01.45-P-1001-01A | Bolt of oil sump to crankcase | M6 | Nm | 10 | 10 |
| | | M8 | Nm | 25 | 25 |
| | | M10 | Nm | 40 | - |
| BA01.45-P-1002-01A | Bolt of transmission bell to oil sump | | Nm | - | 40 |

Nm Engine suspension, engine mounts, engine carrier

| Number | Designation | | Engine 604, 605 in model 202 | Engine 605, 606 in model 124 |
|--------------------|---|----|---------------------------------|---------------------------------|
| BA22.10-P-1002-01D | Bolt of rear engine mount to rear engine crossmember | Nm | 25 | 25 |
| BA22.10-P-1008-01D | Bolt of engine mount to frame crossmember | Nm | 25 | 40 |



External torx set

Commercially available tools

| Number | Designation | Make (e.g.) | Order number |
|--------------------|--|--|--------------|
| WH58.30-Z-1001-06A | 6 mm wrench hexagon on flexible shaft for hose clips with worm drive | Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid | 426-6 |
| WH58.30-Z-1002-06A | 7 mm wrench hexagon on flexible shaft for hose clips with worm drive | Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid | 426-7 |
| WH58.30-Z-1001-07A | Engine hoist (self-locking) | Bäcker Herderstraße D-42853 Remscheid | 3188 |

Commercially available tools

| Number | Designation | Make (e.g.) | Order number |
|--------------------|-------------|-------------|--------------|
| WH58.30-Z-1002-07A | Shackle | | C1 DIN 82101 |