

| Notes                           |                                      |                     | Specified value | Measured value |
|---------------------------------|--------------------------------------|---------------------|-----------------|----------------|
| <b>Tightening torques</b>       |                                      |                     |                 |                |
|                                 | Cylinder head instructions           |                     |                 |                |
| <b>Cylinder head</b>            |                                      |                     |                 |                |
|                                 |                                      | Maximum bolt length | 112 mm          |                |
|                                 | Stage 1                              | Tighten             | 35 Nm           |                |
|                                 | Stage 2                              | Tighten             | 70 Nm           |                |
|                                 | Stage 3                              | Tighten             | 160°            |                |
| <b>Other tightening torques</b> |                                      |                     |                 |                |
|                                 | Main bearings                        | Renew bolts/nuts    | No              |                |
|                                 | Main bearings                        | Stage 1             | 35 Nm           |                |
|                                 | Main bearings                        | Stage 2             | 70 Nm           |                |
|                                 | Big end bearings                     | Renew bolts/nuts    | No              |                |
| 4                               | Big end bearings                     | Stage 1             |                 |                |
|                                 | Oil pump to cylinder block           |                     | 20 Nm           |                |
|                                 | Sump bolts                           |                     | 20 Nm           |                |
|                                 | Sump drain bolt                      |                     | 30 Nm           |                |
|                                 | Flywheel/driveplate                  |                     | 50 Nm           |                |
|                                 | Clutch to flywheel                   |                     | 20 Nm           |                |
|                                 | Crankshaft pulley/damper centre bolt |                     | 40±2 Nm         |                |
|                                 | Camshaft sprocket/gear               |                     | 130±10 Nm       |                |
|                                 | Camshaft carrier/cap                 |                     | 10 Nm           |                |
|                                 | Camshaft/rocker cover                |                     | 10 Nm           |                |
|                                 | Inlet manifold to cylinder head      |                     | 20 Nm           |                |
|                                 | Exhaust manifold to cylinder head    |                     | 35 Nm           |                |
|                                 | Engine oil pressure switch           |                     | 35 Nm           |                |
| 58                              | Front hub                            |                     |                 |                |
|                                 | Rear hub                             |                     | 190 Nm          |                |
|                                 | Steering track rod end               |                     | 35 Nm           |                |
|                                 | Brake caliper to carrier             | Front               | 30 Nm           |                |
|                                 | Brake caliper carrier to hub         | Front               | 110 Nm          |                |
|                                 | Brake caliper carrier to hub         | Rear                | 120 Nm          |                |
|                                 | ABS sensor                           | Front               | 10 Nm           |                |
|                                 | ABS sensor                           | Rear                | 10 Nm           |                |
|                                 | Road wheels                          |                     | 85 Nm           |                |

#### Autodata Note 4

Big end bearings

Tighten in the following stages:

- 1) 40 Nm
- 2) Slacken off
- 3) 20 Nm + 70°.

#### Autodata Note 58

Front hub

M20 → VIN 808980 = 265 Nm

M20 VIN 808981→ = 245 Nm

M24 = 320 Nm.

### Tightening sequence

