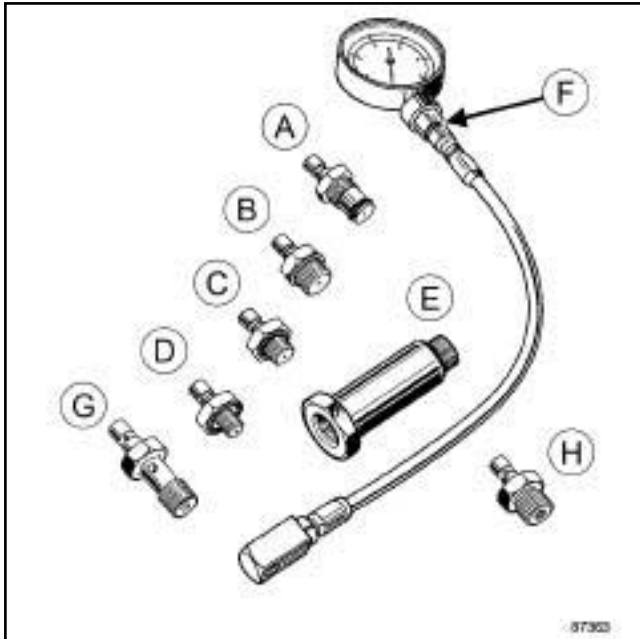


## Oil pressure: Check

D4F or F4R or K4J or K4M or K9K or M4R



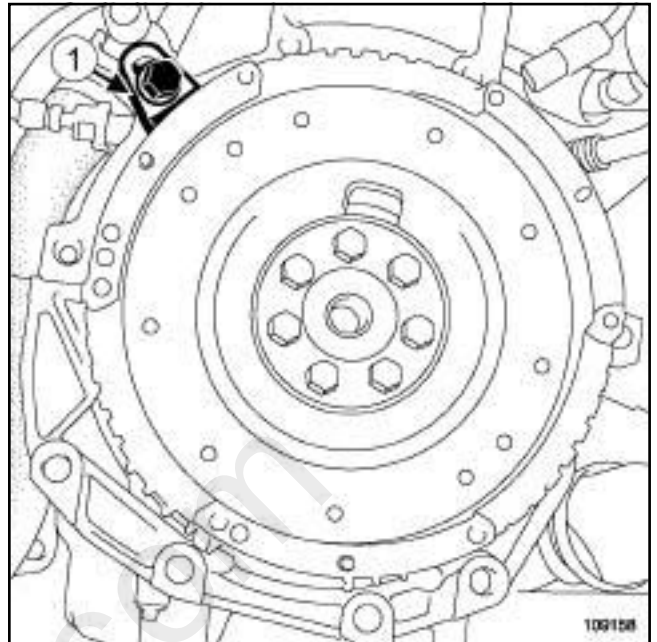
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- ☐ In place of the oil pressure sensor, fit the **(Mot. 836-05)** with suitable adapters using the **(Mot. 1495-01)** or a **22 mm** long socket.
- ☐ Start the vehicle.
- ☐ Monitor the engine oil pressure as the engine oil temperature rises (**approximately 80°C or the first time the engine cooling fan is activated** it should not be less than the pressure at idle speed.
- ☐ If the oil pressure is lower than the pressure at idle speed, check that:
  - the oil filter is not clogged,
  - dirt or swarf is not present in the engine oil,
  - the oil pump is in good condition and being correctly driven.
- ☐ Check the oil pressure in comparison with the values given in the table above.
- ☐ Switch off the engine.
- ☐ Remove the **(Mot. 836-05)** with the end pieces.
- ☐ Refit the oil pressure sensor (see **10A, Engine and cylinder block assembly, Oil pressure sensor: Removal - Refitting**, page **10A-40**) .
- ☐ Wipe any oil run-off with a cloth.
- ☐ Wait at least **10 minutes**.
- ☐ Check the oil level using the dipstick.
- ☐ Top up the engine oil level if necessary (see **Engine oil: Specifications**) (04A, Lubricants).
- ☐ Start the vehicle and check that there are no oil leaks at the oil pressure sensor.

D4F or F4R or K4J or K4M or K9K

**Special tooling required****Mot. 582-01** Flywheel locking tool.**Tightening torques** flywheel bolts (K4) **25 N.m + 50° ± 6°**flywheel bolts (F4R) **30 N.m + 60° ± 10°**flywheel bolts (D4F) **18 N.m + 110° ± 6°**flywheel bolts (K9K/JA5, JH3, JR5) **55 N.m**flywheel bolts (K9K/TL4) **20 +36° ± 6°****REMOVAL****I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Remove:
  - the gearbox (see **Manual gearbox: Removal - Refitting**) (21A, Manual gearbox),
  - the clutch pressure plate (see **Pressure plate - Disc: Removal - Refitting**) (20A, Clutch).

**II - OPERATION FOR REMOVAL OF PART CONCERNED**

109158

- ☐ Lock the flywheel using tool (**Mot. 582-01**) (1) .
- ☐ Remove:
  - the flywheel bolts,
  - the flywheel,
  - the (**Mot. 582-01**) (1) .

**REFITTING****I - REFITTING PREPARATION OPERATION**

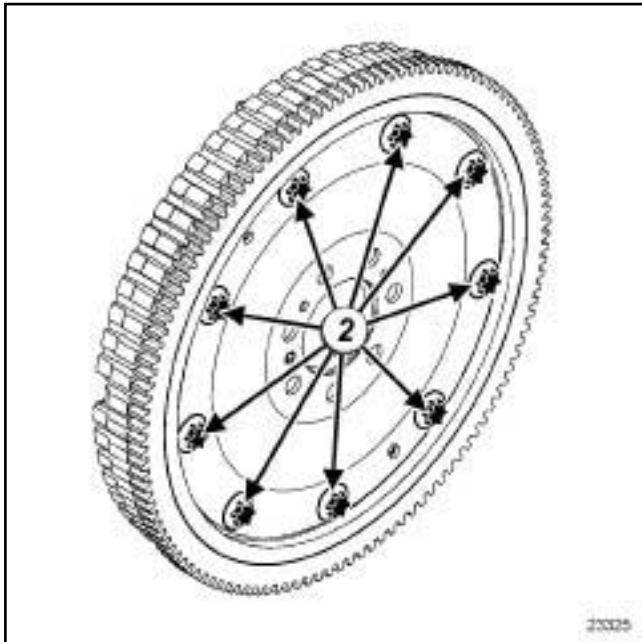
- ☐ parts always to be replaced: Flywheel bolts (10, 03,03,14).
- ☐ Use **SURFACE CLEANER** (see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - Products) to clean and degrease:
  - the flywheel bearing face if reusing,
  - the crankshaft bearing face.

**II - REFITTING OPERATION FOR PART CONCERNED**

- ☐ Refit the flywheel.

D4F or F4R or K4J or K4M or K9K

K9K, and TL4

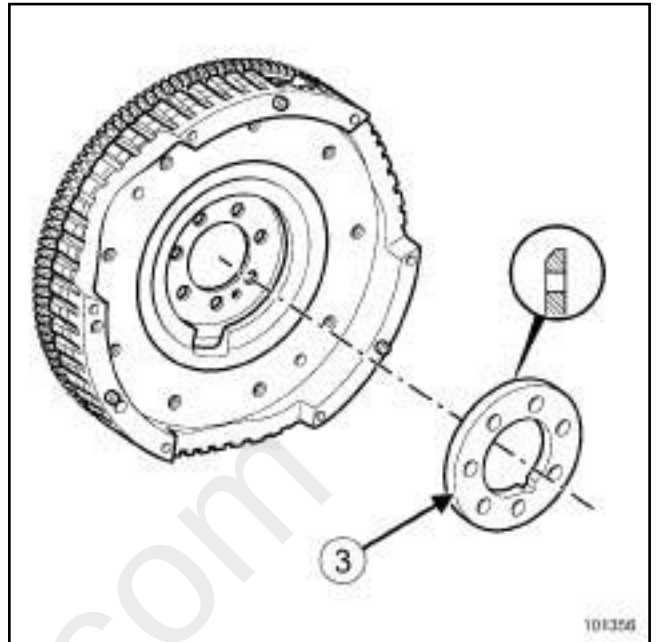


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**WARNING**

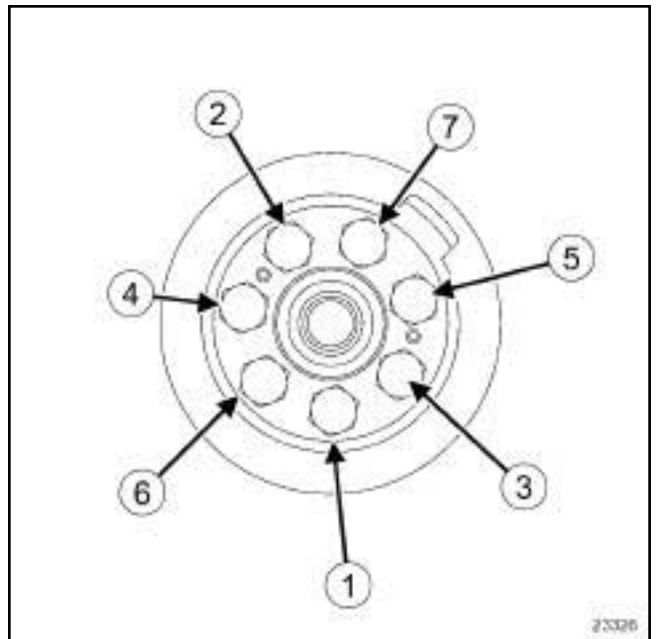
Do not remove the flywheel drive plate mounting bolts (2) .

K9K, and JA5 or JH3 or JR5



101356

- ☐ Refit the spacer (3) observing the fitting direction of the chamfer on the flywheel end.



23326

- ☐ Observe the tightening order.

## Flywheel: Removal - Refitting

D4F or F4R or K4J or K4M or K9K

K4J or K4M

- ☐ Tighten in order and to torque the **flywheel bolts (K4)** (25 N.m + 50° ± 6°).

F4R

- ☐ Tighten in order and to torque the **flywheel bolts (F4R)** (30 N.m + 60° ± 10°).

D4F

- ☐ Tighten in order and to torque the **flywheel bolts (D4F)** (18 N.m + 110° ± 6°).

K9K, and JA5 or JH3 or JR5

- ☐ Torque tighten in order the **flywheel bolts (K9K/ JA5, JH3, JR5)** (55 N.m).

K9K, and TL4

- ☐ Torque tighten in order the **flywheel bolts (K9K/ TL4)** (20 +36° ± 6°).

## III - FINAL OPERATION

- ☐ Refit:

- the clutch pressure plate (see **Pressure plate - Disc: Removal - Refitting**) (20A, Clutch),

- the gearbox (see **Manual gearbox: Removal - Refitting**) (21A, Manual gearbox).

- ☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).