



## Ford

Transit 2.4Di with Dual Mass Flywheel Clutch system

CLTB 0006

### NOTE

A valeo 254mm diameter clutch was fitted by Ford as original equipment between 2000 and 2002. After 2002 a LUK 250mm diameter clutch replaced the Valeo unit.

### IMPORTANT!

Some vehicles built prior to 2002 may have had the earlier 254mm Valeo unit replaced by a 250mm LUK unit and matching Dual Mass Flywheel.

## DUAL MASS FLYWHEEL CONVERSION GUIDE

### Concerns

Serious vehicle vibration, engine noise and transmission rattle at low engine speed can be due to a damaged / worn dual mass flywheel, which will also generate metal debris that can cause starter motor seizure/ failure.

The fitting of a 4-in-1 DMF replacement kit will alleviate these problems, and the proven solid flywheel technology will also make the clutch more durable.

### Method

1. Dismantle the vehicle removing the gearbox then clutch and flywheel being careful not to damage the flywheel sensor
2. **IMPORTANT** - Every single component that is contained in the **HKF1001** box must be replaced as they have been matched for compatibility (see photo>).
3. Fit the replacement solid type flywheel, making sure the flywheel to crankshaft mounting face is clean and free from damage and that all oil seals and ancillary components are in good condition.

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TECHNICAL INFORMATION

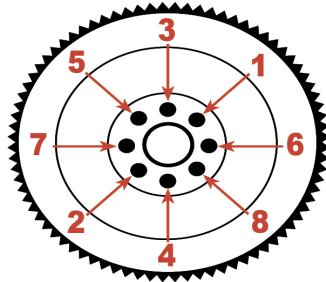


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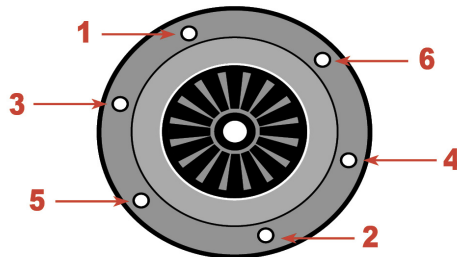
### Method...

4. Fit the new crankshaft to flywheel bolts and tighten to the sequence below



- Stage 1:** Tighten bolts 1-8 to a torque of **25Nm**
- Stage 2:** Tighten bolts 1-8 to a torque of **40Nm**
- Stage 3:** Tighten bolts by a further **48 degrees**

5. Align and fit the clutch cover and drive plate, very lightly greasing the spline on the driven plate. Fit and tighten the securing bolts to the sequence below firstly 'finger tight' then to a final torque of 29Nm.



6. Fit the new release arm and bearing, lightly greasing the pivot ball on the arm, the bore of the release bearing and the arm to bearing thrust pads. The Gearbox can then be fitted in the reverse order of removal.

**REMEMBER** Every component that is contained in the **HKF1001** box **MUST** be fitted as they have been matched for compatibility.



1. Solid Flywheel to replace DMF Unit
2. Clutch Cover
3. Drive Plate
4. Release Bearing
5. Release Arm
6. Replacement Flywheel Bolts



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