



Technical Bulletin

N° TB007-20 - Rev. 1

TIPS AND TRICKS

Dual Mass Flywheel Checks

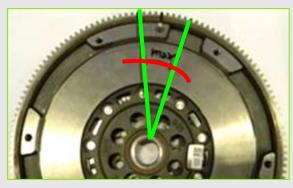
Part numbers

All Valeo DMF P/N

HOW TO CHECK FREE PLAY AND TILT IN DUAL MASS FLYWHEEL (DMF).







FREE PLAY TESTING

- 1. When the DMF is removed from the car, lay the DMF with secondary flywheel facing upwards.
- 2. Without moving the spring, rotate the secondary flywheel **counter clockwise** until it touches the spring.
- 3. **Mark the secondary flywheel position** compared to the primary flywheel.
- 4. Without moving the spring, rotate the secondary flywheel **clockwise** until it touches the spring.
- 5. Mark the secondary flywheel position and count how many teeth there are between the 2 marks.
- 6. Measure the distance between both marks in quantity of teeth or degrees.
- 7. Check the maximum free play specification by part number in Valeo's table.







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TILT CONTROL TESTING

- 1. Place the dual mass flywheel on the workbench with the **secondary flywheel facing upwards**.
- 2. Place a micrometer on the **outer ring** of the friction side.
- 3. Press gently on the opposite side of the secondary flywheel, until it comes into contact with the primary flywheel.
- 4. Reset the micrometer.
- 5. Press the side where the micrometer is situated and read the value found (peak to peak).
- 6. Check the maximum allowed tilt specification by part number in Valeo's table.

Example

| Reference | Free play (J1) Maximum acceptable angle (degrees) | Up to Starting Ring gear number of teeth (number) | TILT Maximum permissible value (mm) | RADIUS FOR TILT MEASUREMENT |
|-----------|--|--|--|--------------------------------|
| 836224 | 15.5 | 6 | 1.5 | 131 |
| 836275 | 15.5 | 6 | 1.5 | 122 |
| 836531 | 15.5 | 6 | 1.5 | 131 |

Our Tech'Care Team can provide to you the full table of measurements by part number.





