



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.



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