

## maXpeedingrods QV240GU

# maXpeedingrods Dual Mass Flywheel QV240GU Instruction Manual

Model: QV240GU | OEM Part Number: 03G105266AR

## 1. INTRODUCTION

This manual provides essential information for the maXpeedingrods Dual Mass Flywheel, model QV240GU. It covers product specifications, vehicle compatibility, installation guidelines, operational principles, maintenance recommendations, and troubleshooting tips. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## 2. SAFETY INFORMATION

Working with automotive components requires adherence to strict safety protocols. Improper installation or handling can lead to serious injury or damage to the vehicle. Always observe the following:

- Professional Installation Recommended:** Due to the complexity and critical function of a dual mass flywheel, installation should be performed by a qualified automotive technician.
- Personal Protective Equipment:** Always wear appropriate safety gear, including safety glasses, gloves, and protective clothing.
- Vehicle Support:** Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Never rely solely on a jack.
- Component Handling:** Flywheels are heavy. Use proper lifting techniques and equipment to prevent injury.
- Torque Specifications:** Adhere strictly to manufacturer-specified torque values for all fasteners.

## 3. PRODUCT OVERVIEW

The maXpeedingrods Dual Mass Flywheel (DMF) is designed to reduce torsional vibrations from the engine, providing smoother power delivery and enhancing driving comfort. It also helps to protect the transmission from excessive stress and wear. This specific model is engineered for direct replacement in compatible vehicles.



Figure 1: Overall view of the maXpeedingrods Dual Mass Flywheel.

## 4. FITMENT AND COMPATIBILITY

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This Dual Mass Flywheel (Model QV240GU) is compatible with a range of vehicles. Please verify your vehicle's make, model, and year against the list below and cross-reference with the OEM part numbers.

### 4.1 Compatible Vehicle Models:

- For Audi A3 (8P1) (2003-2013)
- For Seat Altea (5P1) (2004-present)
- For Seat Leon (1P1) (2005-2013)
- For Seat Toledo III (5P2) (2004-2009)
- For Skoda Octavia II (1Z3) (2004-2013)
- For Skoda Superb II (3T4) (2008-2015)
- For Skoda Yeti (5L) (2009-2017)
- For VW Beetle (5C1, 5C2) (2011-2019)
- For VW Eos (1F7, 1F8) (2006-2015)
- For VW Golf Plus V (5M1, 521) (2004-2013)
- For VW Jetta III (1K2) (2004-2013)
- For VW Passat B6 (3C2) (2005-2010)

## 4.2 Compatible OEM Part Numbers:

- 03L105266EH
- 03L105266DC
- 03L105266AE
- 03L105266AF
- 03G105266AR
- 03G105266BD
- 03G105266BK
- 03G105266CH
- 03G105266CJ
- 03G105266Q

## 5. SPECIFICATIONS

Feature	Specification
Model Number	QV240GU
Mount Hole Quantity	6
Number of Teeth	132
Fuel Type	Diesel
Transmission Type	Automatic
Fitment Type	Direct Replacement
Engine Type	Turbocharged
Material	SPHC
Item Weight	25.6 pounds
Product Dimensions	12.6 x 12.6 x 3.94 inches





Figure 2: Detailed view of the flywheel's central mechanism.

## 6. SETUP AND INSTALLATION

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The installation of a dual mass flywheel is a complex procedure that requires specialized tools and expertise. It is strongly recommended that this component be installed by a certified automotive technician.

### 6.1 General Installation Guidelines (for qualified technicians):

1. **Preparation:** Disconnect the vehicle's battery. Safely lift and support the vehicle. Remove necessary components to access the transmission and existing flywheel.
2. **Inspection:** Inspect the transmission input shaft, clutch components (if applicable), and surrounding areas for wear or damage. Replace any worn parts as necessary.
3. **Removal:** Carefully remove the old flywheel, noting its orientation.
4. **Cleaning:** Thoroughly clean the engine crankshaft flange and transmission bell housing mating surfaces.
5. **Installation of New Flywheel:** Position the new maXpeedingrods Dual Mass Flywheel onto the crankshaft flange. Ensure proper alignment.

6. **Fastening:** Install new flywheel bolts (if recommended by vehicle manufacturer) and tighten them to the vehicle manufacturer's specified torque sequence and values.
7. **Reassembly:** Reinstall the transmission and all other removed components, ensuring all connections are secure and torqued correctly.
8. **Final Checks:** Reconnect the battery. Perform a functional test of the vehicle to ensure proper operation.

Refer to your vehicle's specific service manual for detailed, step-by-step instructions and torque specifications.



Figure 3: Side profile of the flywheel, highlighting the gear teeth.

## 7. OPERATING PRINCIPLES

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A Dual Mass Flywheel consists of two main masses connected by a spring and damping system. The primary mass is connected to the engine, and the secondary mass is connected to the transmission. This design allows the two masses to rotate independently to a certain degree, absorbing engine vibrations and preventing them from being transmitted to the drivetrain. This results in:

- Reduced noise and vibration in the passenger compartment.
- Smoother gear changes.
- Improved fuel efficiency by allowing the engine to operate at lower RPMs.
- Extended lifespan of transmission components.

## 8. MAINTENANCE

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Dual Mass Flywheels are generally designed to be maintenance-free components. However, regular vehicle inspections can help identify potential issues early.

- **Routine Inspections:** During routine vehicle servicing, a qualified technician can inspect the flywheel for signs of wear, excessive play, or leakage (if applicable).
- **Fluid Leaks:** Address any engine or transmission fluid leaks promptly, as these can contaminate the flywheel and clutch components, leading to premature failure.
- **Driving Habits:** Smooth driving habits, avoiding aggressive acceleration and sudden clutch engagement (for manual transmissions, though this is an automatic transmission part), can contribute to the longevity of drivetrain components.

## 9. TROUBLESHOOTING

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Symptoms of a failing Dual Mass Flywheel can often be mistaken for other drivetrain issues. If you experience any of the following, consult a qualified technician for diagnosis:

- **Vibration:** Excessive vibration felt through the clutch pedal, gear lever, or floor, especially at idle or specific RPM ranges.
- **Noise:** Rattling, clunking, or knocking noises from the transmission area, particularly when starting, stopping, or changing gears.
- **Harsh Engagement:** Jerking or harsh engagement when shifting gears (in automatic transmissions, this might manifest as rough shifts).
- **Engine Misfires:** In some cases, a severely worn DMF can contribute to engine misfire-like symptoms.

Early diagnosis and replacement of a faulty DMF are crucial to prevent further damage to the transmission and other drivetrain components.





Figure 4: Underside view of the flywheel, illustrating the mounting points.





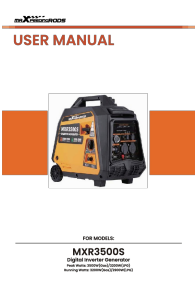

## 10. WARRANTY AND SUPPORT

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maXpeedingrods warrants its products against manufacturing defects in materials and workmanship for **1 year from the date of purchase**. This warranty covers defects that arise under normal use and service conditions.

For warranty claims, technical support, or customer service, please contact maXpeedingrods directly through their official channels. Please have your purchase receipt and product model number (QV240GU) available when contacting support.

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	<p><a href="#">MAXpeedingRODS Dual Steering Stabilizer Installation Guide for Jeep XJ, MJ, TJ</a></p> <p>Comprehensive installation instructions for the MAXpeedingRODS Dual Steering Stabilizer kit, designed for Jeep Cherokee XJ, Comanche MJ, and Wrangler TJ models. Includes fitment, kit contents, step-by-step assembly, and maintenance tips.</p>
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