

## GOOFIT P038-410

# GOOFIT GY6 49cc 50cc Scooter Moped Transmission Cover Assembly User Manual

## INTRODUCTION

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This manual provides detailed instructions for the installation and maintenance of the GOOFIT Transmission Cover Assembly, including the start gear shaft and belt. This product is designed for 4-stroke GY6 49cc 50cc scooter moped 139qmb short case versions. Please read this manual thoroughly before installation to ensure proper function and safety.

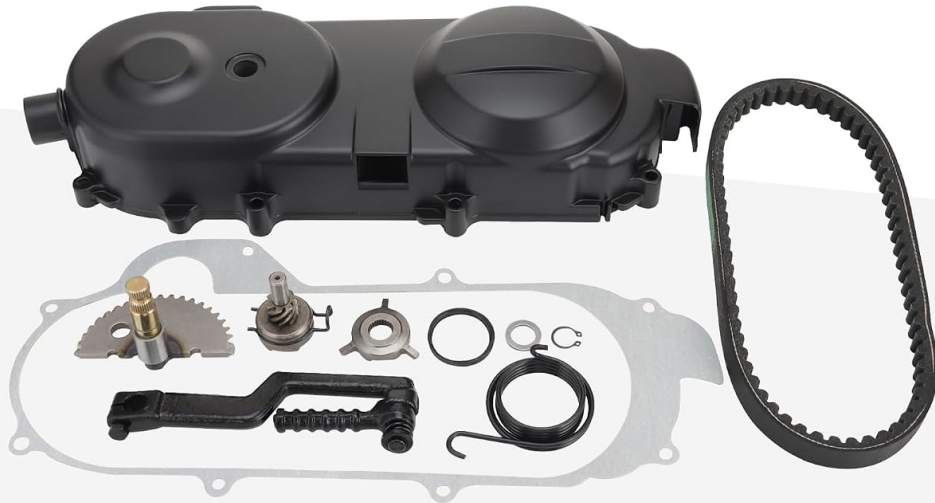
**Model:** P038-410

**Brand:** GOOFIT

## PRODUCT OVERVIEW

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The GOOFIT Transmission Cover Assembly is a replacement part for GY6 49cc 50cc scooters and mopeds with 139qmb short case engines. It includes the transmission cover, start gear shaft, drive belt, and associated components for a complete replacement.



Replacement for 4 Stroke GY6 49cc 50cc Scooter Moped 139qmb  
Short Case Version.

Image: Overview of the GOOFIT Transmission Cover Assembly, including the cover, start gear shaft, kick start lever, spring, gaskets, and drive belt.

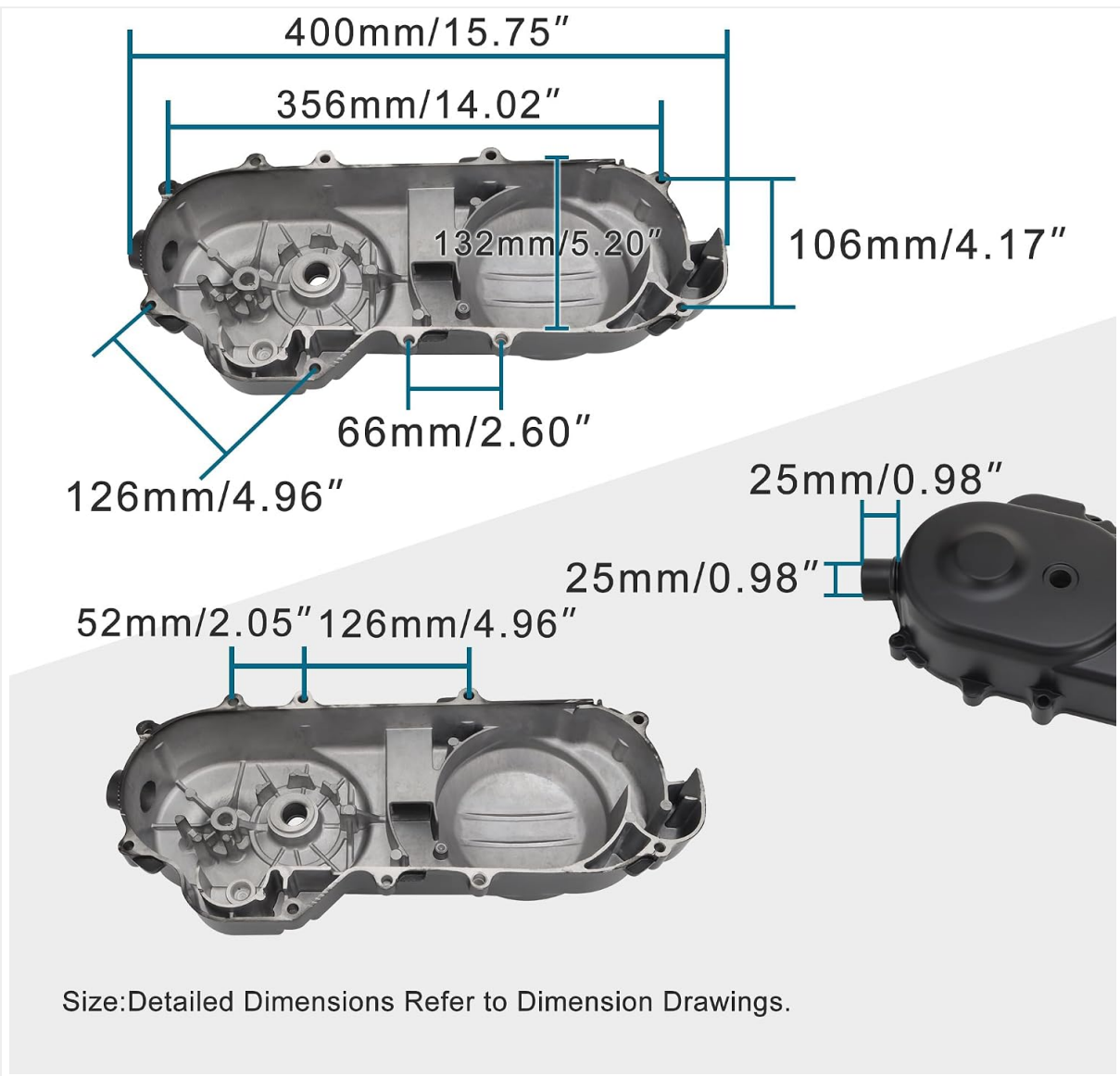


Image: Detailed dimensions of the transmission cover assembly, showing length, width, and various internal measurements in millimeters and inches.

## COMPATIBILITY

This transmission cover assembly is compatible with:

- 4-stroke GY6 49cc 50cc scooter moped 139qmb short case versions.
- Engines compatible with 139QMB or P139QMB 4-stroke engines.

**Note:** Not a replacement for Agility 50cc models or Starter Bendix components not included in this assembly.



Image: Various scooter models illustrating the types of vehicles compatible with this transmission cover assembly.

## SETUP AND INSTALLATION

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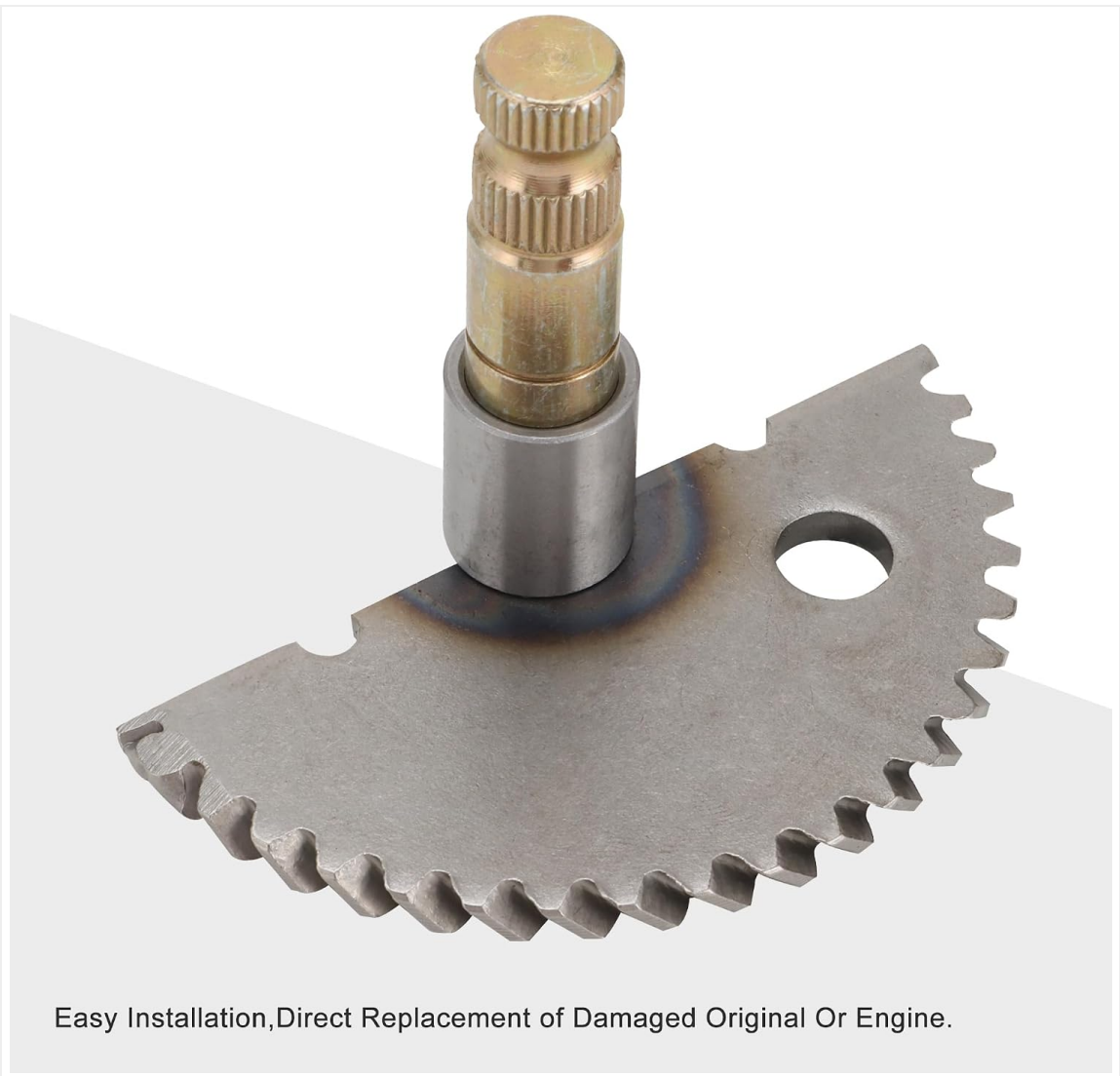
Proper installation is crucial for the longevity and performance of your scooter. If you are unsure about any steps, consult a qualified mechanic.

### Required Tools:

- Appropriate wrenches and sockets
- Snap ring pliers
- Screwdrivers
- Torque wrench (recommended)

### Installation Steps:

1. **Prepare the Engine:** Ensure the engine is cool and the scooter is stable on a stand. Disconnect the battery if necessary.
2. **Remove Old Cover:** Carefully remove the existing transmission cover, noting the position of all components.
3. **Install Start Gear Shaft Assembly:**



Easy Installation, Direct Replacement of Damaged Original Or Engine.

Image: Close-up of the kick start shaft gear, a component of the start gear shaft assembly.

Insert the start gear shaft assembly into its designated position within the transmission case. Ensure all gears mesh correctly and the assembly rotates freely.

Video: Demonstrates the installation process of the start gear shaft assembly into the transmission cover. This video is provided by GOOFIT (Seller).

4. **Install Drive Belt:** Carefully place the new drive belt onto the pulleys. Ensure it is seated correctly and not twisted.
5. **Apply Gasket:** Place the new gasket onto the transmission case, ensuring it aligns with all bolt holes and sealing surfaces.

# INSTALLATION RENDERINGS



Image: Components including the spring and various gaskets, essential for sealing the transmission cover.

6. **Attach New Cover:** Carefully position the new transmission cover over the assembly, aligning it with the gasket and bolt holes. Secure with bolts, tightening them evenly to the manufacturer's specifications (refer to your scooter's service manual for torque values).
7. **Install Kick Start Lever:** Attach the kick start lever to the shaft protruding from the cover. Secure it with the appropriate fasteners.
8. **Final Checks:** Before starting the engine, manually check the kick start mechanism for smooth operation. Ensure all bolts are tightened and there are no loose parts.

## OPERATING INSTRUCTIONS

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Once the transmission cover assembly is correctly installed, the scooter's operation should return to normal. The kick start mechanism should engage smoothly, allowing for manual engine starting if the electric starter is unavailable.

- **Kick Starting:** With the ignition on, firmly press the kick start lever down in a single, smooth motion. Avoid jerky movements.
- **Belt Operation:** The new drive belt requires no special operating procedures. It will engage automatically with the variator and clutch system during acceleration.

## MAINTENANCE

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Regular maintenance ensures the longevity and reliability of your transmission system.

- **Periodic Inspection:** Regularly inspect the transmission cover for any signs of damage, cracks, or loose bolts. Check the kick start lever for proper function and ensure it returns to its resting position.
- **Drive Belt Check:** Inspect the drive belt for wear, cracks, or fraying every 3,000-5,000 miles (or as recommended by your scooter's manufacturer). Replace if any signs of wear are present.
- **Gasket Integrity:** Check for any oil leaks around the transmission cover, which could indicate a compromised gasket.
- **Cleaning:** Keep the exterior of the transmission cover clean to prevent dirt and debris from entering the system.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Kick start lever not engaging.	Misaligned start gear shaft, broken spring, or worn gears.	Re-check shaft assembly installation, inspect spring and gears for damage, replace if necessary.
Unusual noise from transmission cover.	Loose components, worn belt, or incorrect assembly.	Inspect all internal components, check belt condition, ensure all bolts are tightened.
Oil leak from cover.	Damaged or improperly seated gasket.	Remove cover, inspect and replace gasket if damaged, ensure proper seating upon reinstallation.

## SPECIFICATIONS

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- **Model Number:** P038-410
- **Material:** Aluminum Alloy
- **Length:** 400mm / 15.74 inches
- **Item Weight:** 4.44 pounds
- **Compatibility:** 4-stroke GY6 49cc 50cc Scooter Moped 139qmb Short Case Version

## WARRANTY AND SUPPORT

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GOOFIT is committed to providing quality products. If you encounter any issues or have questions regarding this product, please contact GOOFIT customer support. Refer to your purchase documentation for specific warranty terms and contact information.

**Manufacturer:** GOOFIT

**Contact:** Refer to GOOFIT's official website or your retailer for support contact details.