

manuals.plus /

› [one](#) /

› [One Clutch Bell for Piaggio 125 Beverly Scooter \(2002-2015\)](#)

one Beverly

Instruction Manual: One Clutch Bell

For Piaggio 125 Beverly Scooter (2002-2015)

1. PRODUCT OVERVIEW

This manual provides essential information for the One brand new original type clutch bell, specifically designed as a replacement part for Piaggio 125 Beverly scooters manufactured between 2002 and 2015. This component is crucial for the proper functioning of your scooter's transmission system.



Figure 1: The One clutch bell. This image displays the new original type clutch bell, featuring its characteristic shape with ventilation holes and the central splined shaft opening.

The clutch bell is a critical part of the centrifugal clutch system in a scooter. It encloses the clutch shoes and, when the engine RPM increases, the clutch shoes expand and engage with the inner surface of the clutch bell, transferring power from the engine to the rear wheel.

2. INSTALLATION AND SETUP

Installation of the clutch bell requires specific tools and mechanical knowledge. It is highly recommended that installation be performed by a qualified motorcycle or scooter mechanic to ensure proper fitment and safe operation.

2.1. Required Tools (General)

- Clutch holding tool
- Socket wrench set (appropriate sizes for clutch nut)
- Torque wrench

- Gloves and safety glasses

2.2. Installation Steps (Overview)

1. Ensure the scooter is on a stable stand and the engine is cool.
2. Remove the transmission cover to access the clutch assembly.
3. Use a clutch holding tool to secure the clutch assembly and loosen the clutch nut.
4. Carefully remove the old clutch bell.
5. Inspect the clutch shoes and other transmission components for wear and replace if necessary.
6. Install the new One clutch bell, ensuring it seats correctly on the shaft.
7. Tighten the clutch nut to the manufacturer's specified torque using a torque wrench. Refer to your scooter's service manual for exact torque specifications.
8. Reinstall the transmission cover.
9. Test the scooter's operation at low speeds before full use.

Note: This is a general guide. Always consult your specific scooter's service manual for detailed, model-specific installation instructions and torque values.

3. FUNCTION AND OPERATION

The clutch bell is a key component of the scooter's automatic centrifugal clutch. As the engine speed increases, centrifugal force causes the clutch shoes to swing outwards and engage with the inner surface of the clutch bell. This engagement transfers power from the crankshaft to the rear wheel, allowing the scooter to move. When the engine speed decreases (e.g., at idle), the clutch shoes retract, disengaging from the clutch bell and allowing the engine to run without transmitting power to the wheel.

A properly functioning clutch bell ensures smooth power delivery, efficient acceleration, and reliable idling.

4. MAINTENANCE

While the clutch bell itself is a durable component, regular inspection of the entire clutch assembly is recommended to ensure optimal performance and longevity.

- **Regular Inspection:** During routine maintenance, inspect the inner surface of the clutch bell for excessive wear, scoring, or discoloration (blueing), which can indicate overheating or slipping.
- **Cleanliness:** Keep the clutch bell and clutch shoes free from oil, grease, and excessive dust. Contaminants can cause clutch slippage and premature wear.
- **Clutch Shoe Wear:** The clutch bell's lifespan is often tied to the wear of the clutch shoes. If clutch shoes are worn beyond their service limit, they can damage the clutch bell. Replace clutch shoes as per your scooter's service schedule.
- **Bearing Check:** If the clutch bell has an integrated bearing, check for smooth rotation and any signs of play or noise.

Adhering to your scooter's manufacturer recommended service intervals for transmission components will help maintain the clutch bell's condition.

5. TROUBLESHOOTING

Issues related to the clutch bell typically manifest as problems with power transmission or unusual noises from the transmission area. If you experience any of the following symptoms, it may indicate a worn or damaged clutch bell or related clutch components:

- **Slipping Clutch:** Engine revs increase, but the scooter does not accelerate proportionally. This can be due to a glazed or worn clutch bell inner surface, or worn clutch shoes.
- **Vibration or Shuddering:** Especially during initial acceleration, vibrations can indicate an unevenly worn clutch bell or clutch shoes.
- **Squealing or Grinding Noises:** These sounds, particularly during engagement, can point to worn clutch shoes, a damaged clutch bell, or issues with the clutch bearing.
- **Poor Acceleration:** A worn clutch bell or clutch shoes can lead to inefficient power transfer and sluggish acceleration.

If you encounter these symptoms, it is advisable to have the clutch assembly inspected by a professional mechanic.

6. SPECIFICATIONS

The One clutch bell is manufactured to meet original equipment specifications for the listed scooter models.

Product Specifications


Feature	Detail
Brand	One
Model Compatibility	Piaggio 125 Beverly (2002-2015)
Inner Diameter	134 mm
Outer Diameter	148 mm
Shaft Diameter	16/17 mm
Replacement for OEM Part Numbers	Aprilia AP844094, Derbi/Gilera/Piaggio 844094
Item Weight	1.3 Kilograms



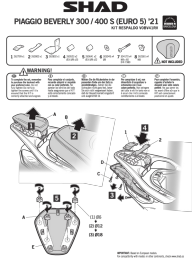

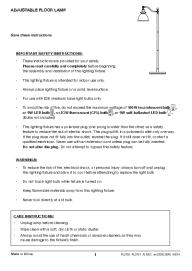
7. WARRANTY AND SUPPORT

For information regarding warranty coverage, returns, or technical support for your One clutch bell, please refer to the retailer where the product was purchased or visit the official website of the manufacturer, One. Keep your proof of purchase for any warranty claims.

For specific scooter maintenance and repair questions, always consult your Piaggio Beverly's official service manual or a certified mechanic.

Related Documents - Beverly

	<p>Puig Parabrisas Trafic y Urban para Piaggio Beverly 300 y Morbidelli SC 125 LX - Guía de Instalación y Repuestos</p> <p>Descubra los parabrisas Puig modelos Trafic (Ref: 21567) y Urban (Ref: 21568) diseñados para Piaggio Beverly 300 (2011-2020) y Morbidelli SC 125 LX (2025-). Incluye lista de piezas y guía de instalación.</p>
---	--

	<p>Piaggio Beverly 300 Maintenance Schedule and Service Guide</p> <p>Official maintenance schedule and service guide for the Piaggio Beverly 300 scooter. Learn about required checks, replacements, and find your nearest dealer.</p>
	<p>Piaggio Beverly Tourer 400ie User Manual: Operation and Maintenance Guide</p> <p>Comprehensive user manual for the Piaggio Beverly Tourer 400ie scooter, covering operation, maintenance, safety, and technical specifications to ensure optimal performance and longevity.</p>
	<p>SHAD Backrest Kit for Piaggio Beverly 300/400 S (Euro 5) '21 - Installation Guide</p> <p>Installation instructions for the SHAD backrest kit (V0BV41RV) for the Piaggio Beverly 300 and 400 S models (Euro 5) from 2021 onwards. Includes part list and step-by-step assembly guidance.</p>
	<p>Hunter Beverly Glen 5-Light Linear Chandelier Installation Guide</p> <p>Detailed installation instructions for the Hunter Beverly Glen 5-Light Linear Chandelier (Models 13232, 13233), covering preparation, assembly, wiring, finishing, and cleaning.</p>
	<p>Adjustable Floor Lamp Assembly and Safety Instructions</p> <p>Comprehensive guide for assembling and safely operating an adjustable floor lamp, including important safety warnings, care instructions, and a parts list. Covers assembly steps and wattage limitations.</p>