



# INSTALLATION MANUAL

## Racing Enlarged Airbox Lid & Intake Kit

**Compatibility:** Ducati Hypermotard 821 / 939 (All models)

---

### Introduction & Safety Warnings

Thank you for choosing our racing enlarged intake kit. This component is designed to optimize the fluid dynamics of your Testastretta 11° engine, doubling the air intake surface area to deliver a crisper throttle response and a deeper, more aggressive induction sound.

- **Estimated Installation Time:** 60 - 90 minutes.
  - **Difficulty Level:** Medium.
  - **Safety Note:** Perform this installation only when the engine is completely cold. Exercise extreme caution when handling the fuel tank and fuel lines.
- 

### Tools Required

Before you begin, ensure you have the following tools available:

- Allen Keys (Hex): 3 mm, 4 mm, 5 mm, 6 mm
  - Torx Key: T20
  - Socket/Combination Wrench: 8 mm
  - Open-Ended Wrench: 24 mm (to hold the inner side panel locknut)
  - Clean shop rags and a few replacement plastic zip-ties
- 

## PHASE 1: Fairing & Bodywork Removal

1. **Seat Removal:** Use the ignition key to unlock and remove the seat.
  2. **Side Panels Removal:** Unscrew the visible fastening bolts. *Technical Tip:* To unscrew the inner fairing pin without it spinning freely, use the 24 mm open-ended wrench to hold the inner locknut in place. Gently remove the side panels.
  3. **Fuel Tank Cover Removal:** Remove the upper bolts around the gas cap area and the side bolts holding the tank plastics. Carefully lift and remove the tank covers, paying attention to the plastic push-fit tabs.
-



## PHASE 2: Fuel Tank Removal

1. **Fuel Pump Disconnection:** Locate the fuel pump guard plate (secured by 8 mm bolts). Remove it to gain access to the wiring and plumbing underneath.
  2. Carefully disconnect the electrical harness connector and the quick-disconnect fuel line.  
*Tip:* Keep a clean shop rag handy to catch the few drops of fuel that may spill during disconnection.
  3. **Tank Support Disassembly:** Remove the support crossbar and the front tank mounting bolts using your Allen keys.
  4. **Tank Removal:** Gently lift the fuel tank, sliding it slightly toward the rear of the bike, and place it safely on a soft, secure surface.
- 

## PHASE 3: Airbox Access & Lid Replacement

1. **ECU Management:** Once the tank is removed, the Engine Control Unit (ECU) will be visible directly on top of the airbox. There is no need to unplug its electrical connectors; simply unscrew its mounting brackets and set it aside to clear your workspace.
2. **Stock Airbox Lid Removal:** Locate the 5 Torx T20 screws securing the airbox lid and holding the filter assembly in place. Back these screws out and remove the factory lid along with the air filter.
3. **Filter Transfer:** Remove the air filter from the OEM lid housing. Your original filter (or any compatible aftermarket performance filter) is fully reusable with our kit and does not need to be replaced.
4. **Assembling the New Custom Lid:** Seat your air filter securely inside the new enlarged intake lid provided in the kit. Ensure it fits perfectly flush to guarantee a tight, dust-proof seal against the airbox.



(filter fixing screw tightening cup 5nm)

---



## PHASE 4: Installation & Reassembly

1. **Positioning the New Kit:** Place the new enlarged airbox lid (with the filter properly installed inside) onto the airbox housing.
2. **Torque Pattern:** Reinstall the 5 Torx T20 screws. Tighten them in a "cross" or star pattern (do not fully torque a single screw right away) to ensure even pressure across the sealing gasket.
3. **Reverse Reassembly:** Put the bike back together by reversing the disassembly steps:
  - Mount the ECU back into its original position.
  - Reposition the fuel tank, reinstall the front mounting bolts, and secure the crossbar.
  - Reconnect the quick-release fuel line (make sure it firmly "clicks" into place) and plug back in the electrical connector. Reinstall the fuel pump guard.
  - Reassemble the fuel tank covers and side panels (remember to use the 24 mm wrench for the inner locknut).
  - Pop the seat back into position.

---

## Final Inspection

Before starting the motorcycle, do a quick visual check to ensure no screws are left over and that all hoses and connectors are fully seated. Turn the ignition key on, listen for the fuel pump to prime normally, and fire up the engine to enjoy the enhanced power and sound of your upgraded Testastretta!