

WOODCRAFT

105 Baldwinville Rd. Winchendon, MA 01475
978-297-2977

05-0761B Aprilia RS457 Rearset Instruction Sheet – Racing Use Only

Thank you for selecting our rearsets. The components you have just purchased for your motorcycle are designed to improve the ground clearance, crash worthiness and overall good looks of your motorcycle. Please note that these components are intended and approved for **racing use only**. As such, the footpegs are solid-mount and provisions for brake light switches are not provided.

Before you begin: Remove your stock rearsets and associated hardware. The entire kickstand bracket assembly can be removed for race use. All components that are re-used in this kit should be cleaned and inspected for damage before re-installation. Once the OEM rearsets are removed you can slide the swingarm pivot bolt back into the motorcycle.

IMPORTANT

Tighten all fasteners to factory specification or industry standard. FAILURE TO PROPERLY TIGHTEN ALL FASTENERS MAY CAUSE DAMAGE TO THE MOTORCYCLE, LOSS OF CONTROL AND SERIOUS INJURY OR DEATH

Preparation -

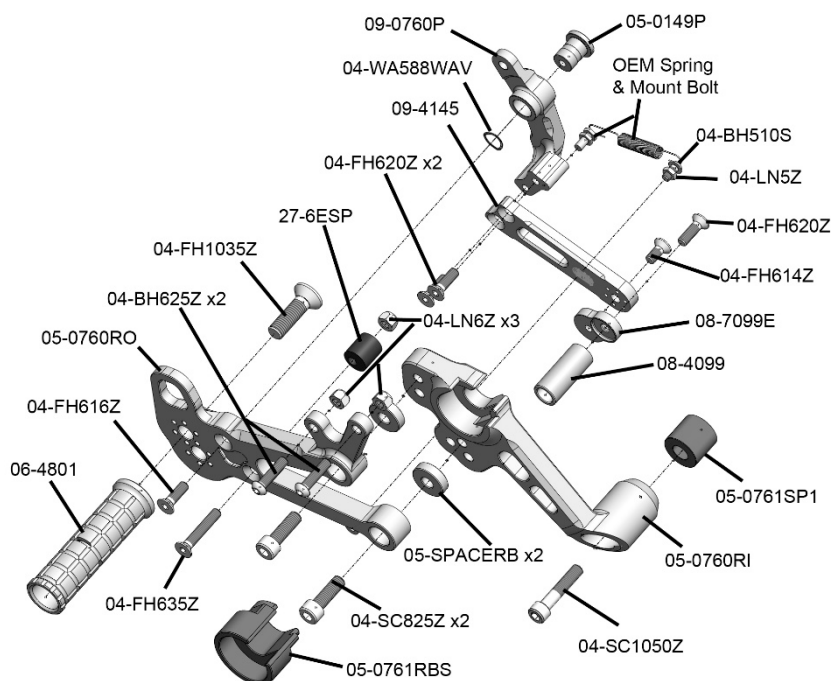
- 1) Carefully remove the OEM swingarm pivot bolt and OEM rearset brackets. Flip the OEM swingarm pivot bolt 180° so that the nut side is now on the LHS of the motorcycle. **You must support the motorcycle securely by the bottom of the engine before removing the swingarm pivot.**
- 2) Bolt the 05-0760LI and 05-0760RI inner brackets and the 05-0761RBS and 05-0761LBS pivot bolt spacers to the motorcycle using the OEM swingarm pivot bolt that was removed with the OEM rearsets through the top hole of each side.
- 3) Before tightening the swingarm pivot bolt, secure the bottom two inner bracket bolts between the brackets and the frame. The LHS will reuse the OEM spacer along with the supplied 04-SC1060Z bolt. The RHS will use our spacer 05-0761SP1 and the supplied 04-SC1050Z bolt.
- 4) Once all the bolts are hand tight, re-torque the bolts to OEM specification.

Brake Side Assembly Installation

IMPORTANT – ALL bolts in this kit (except the bolts secured with a locknut) must be installed with BLUE LOCTITE

- 1) Assemble CFM brake pedal, by attaching the 09-4145 shaft to the 09-0760P pivot with the included bolts. The pedal tip and offset plate can be loosely installed (final assembly is done after setting desired pedal height).
- 2) Bolt the supplied 04-BH510S and 04-LN5Z to the backside of the pivot and leave enough gap for the spring to be retained between the bolt head and locknut.
- 3) Bolt the CFM footpeg (06-4801) and the brake pedal to the 05-0760RO outer bracket using the included 10mm hardware.
- 4) Secure the 05-0760RO outer bracket to the inner bracket using the supplied 04-SC825Z bolts and 05-SPACERB spacers. Test the height of the footpeg by choosing a peg and bracket mounting combination that provides the feel that you are looking for.

SUGGESTION: Placing the footpeg in the lower hole and using the upper bracket mount location is a good place to start. Once you have decided on a position fully tighten the 04-FH1035Z footpeg bolt.



- 5) Mount the brake pedal assembly to the bracket using the 05-0149P pin, 04-WA588WAV wave washer and 04-FH620Z mounting bolt. Apply a quality waterproof grease to outside of the pin.
- 6) Attach the 27-6ESP eccentric stop using the 04-FH635Z bolt and 04-LN6Z nut. After the pedal height is set, lock this in place. **IMPORTANT:** be sure that there is at least a 2mm gap between the brake pedal and the stop. After the stop is set, install the OEM spring.
- 7) Bolt the OEM spring mount and OEM spring to the 05-0760RO bracket. Secure the outer bracket using the supplied hardware. Re-connect the brake pedal to the master cylinder clevice using the OEM clip and secure the master cylinder to the bracket using the supplied hardware.

Shift Side Assembly Installation

IMPORTANT – ALL bolts in this kit (except the bolts secured with a locknut) must be installed with BLUE LOCTITE

- 1) Secure the 06-4801 footpeg to the bracket using the 04-FH1035Z in the same location used on the brake side.
- 2) Secure the 05-0760LO outer bracket to the inner bracket using the supplied 04-SC825Z bolts and 05-SPACERB.
- 3) Assemble the shift pedal by securing the 08-4145 shaft to the 08-0760P pivot and attach the toe peg and offset plate to the tip of the shaft. Connect the OEM heim joint to the shift pivot.
- 4) Secure the shift pedal to the frame using the OEM shift pedal bolt, o-rings, nuts and washers. Be sure that there is quality waterproof grease on the shoulder of the bolt.

GP versus Standard shift

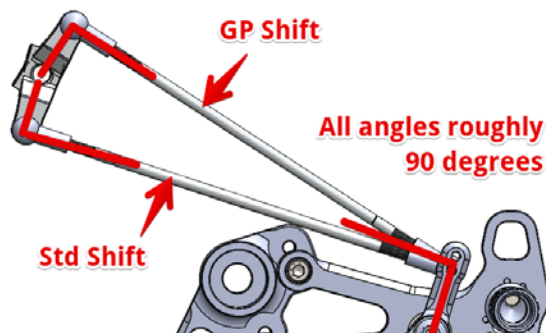
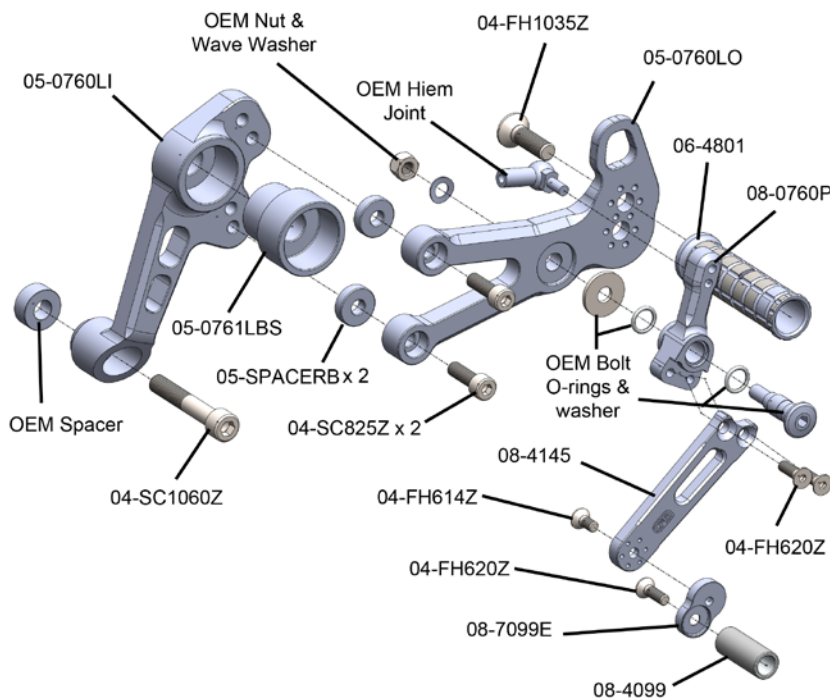
- 5) For standard shift, the arm on the engine will remain pointed in the “down” position. For GP shift, the arm on the engine will be moved to the “up” position. In both cases the supplied 07-0900 shift rod should be oriented so that it is roughly 90 degrees to both the arm on the engine and the shift pedal.

Quickshifter Notes:

STD shift can utilize the Aprilia OES QS module or aftermarket in PULL configuration.

GP shift can utilize a PUSH type aftermarket Quickshifter. In order to use the OEM Aprilia Quickshifter, you will need the Aprilia RACE ECU which can be purchased through an authorized dealer. OEM QS requires the shift arm to remain in the down position.

- 6) Set the pedal height using a combination of the shift rod adjustment and the pedal tips. Once this is established lock the shift rod in place using the jam nuts on both ends and perform a final torque on the pedal tips.



BE SURE THAT ALL COMPONENTS OPERATE AND RETURN FREELY BEFORE USE

If you have any questions regarding installation, please feel free to contact us.

IMPORTANT

Installation and use of this product will change the response of the motorcycle to rider control inputs. Failure of the rider to adapt to these changes may result in a loss of control, and serious injury or death. Improper installation and/or failure to comply with all warnings and instructions may cause a loss of control and serious