

## **HEEL/TOE SHIFT LEVER KITS**

**VT No. 21-0751, 21-0752, 21-0753, 21-0754**

### **WARNING**

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a dealer perform the installation. Improper installation of this kit could result in death or serious injury.

### **NOTE**

This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation and is available from a dealer.

### **REMOVAL OF STOCK GEAR SHIFT LEVER**

Remove Stock Gear Shift Lever (for heel shifter ONLY)

The gear shift lever supplied in the heel/toe and heel shift only kits is supplied due to the stock gear shift lever splined shaft only accommodating one shift lever. Refer to the service manual for proper removal of the stock gear shift lever, and the installation of the gear shift lever provided in your kit.

Take note of the angle at which the toe shifter is installed. This will provide a baseline for installing the new toe shifter.

### **Heel/Toe Shifter Kits**

1. Ensure proper gear shift lever (1) is installed.
2. See Figure 1. Install the toe shift lever (2) onto the splined shaft, ensuring the angle of the lever is the same as the stock toe shift lever removed earlier.
3. 33600164, 33600165 and 33600166: Once the toe shift lever is assembled in the proper orientation, install a socket head cap screw. Tighten to value shown in service manual.
4. Install the heel shift lever (3) for kits 33600164, 33600165, 33600166.
5. 33600164, 33600165 and 33600166: Once the heel shift lever is assembled in the proper orientation, install a socket head cap screw. Tighten to value shown in service manual.

### **Toe Shifter Kits**

1. See Figure 2. Install the toe shift lever (1) onto the splined shaft, ensuring the angle of the lever is the same as the stock toe shift lever removed earlier.
2. Once the toe shift lever is assembled in the proper orientation, install a socket head cap screw (2), and tighten to the value listed in the service manual.

### **Heel Shifter Kits**

1. Ensure proper gear shift lever (1) is installed.
2. See Figure 3. Install the toe shift lever (2) onto the splined shaft, ensuring the angle of the lever is the same as it was when removed earlier.
3. Once the toe shift lever is assembled in the proper orientation, install a socket head cap screw (2), and tighten to the value listed in the service manual.
4. Install the heel shift lever (3) for kit 33600224.
5. Once the heel shift lever is assembled in the proper orientation, install the hex socket head cap screw and lock onto the lever. Tighten to value shown in the service manual for the toe shifter.