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EMS Cube Accessories QUICK SHIFT

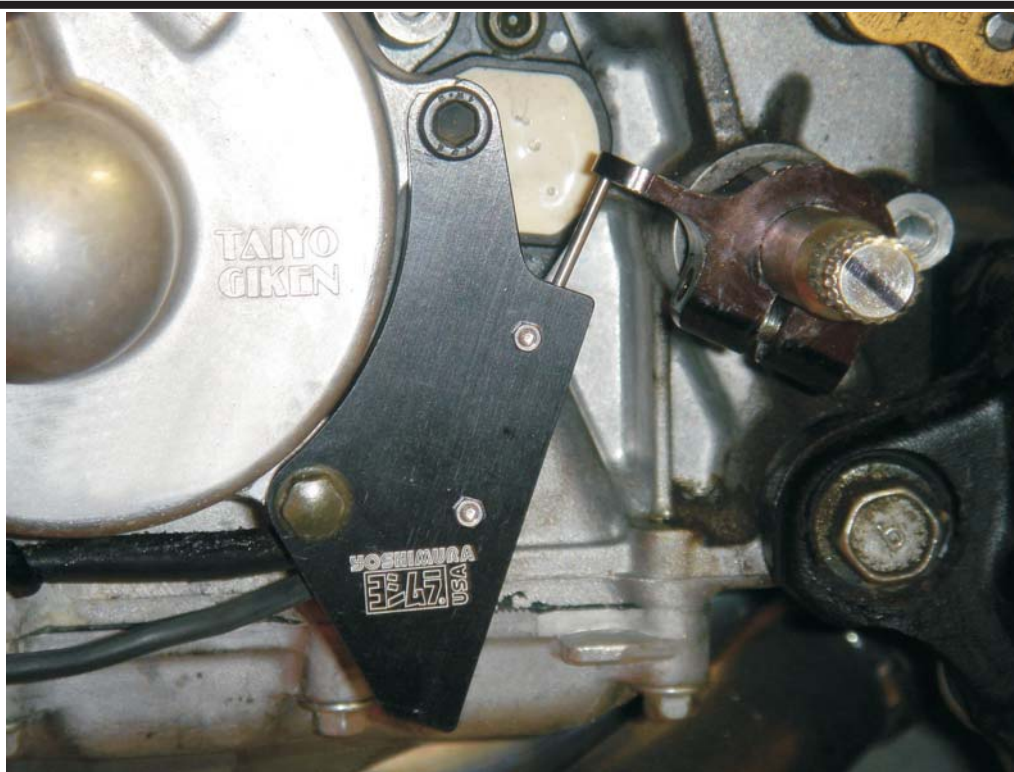
SUZUKI

01-05 GSXR 600

02-05 GSXR 750

38107K

EMS Cube Quick Shifter Kit



Note: Read through all instructions before beginning installation.

Installation Steps:

- 1 Remove seat and open rear storage compartment.**
- 2 Remove fuel tank mounting bolts near steering head and tilt fuel tank back.**
- 3 Remove the left side body cowling.**

4 Remove the gearshift lever, and the engine sprocket cover.
(See Fig. 1)

5 Remove two stock bolts from the water pump. The bottom bolt will be reused. (See Fig. 2)

6 Install the EMS Cube Quick Shift bracket onto the water pump. Use supplied bolt for top mounting point and reuse the stock bolt for bottom mounting point. (See Fig. 3)

7 Install the EMS Cube actuator onto the shift shaft. Apply small preload on Quick Shift sensor rod before tightening the actuator bolt. (See Fig. 3)

8 Route EMS Cube Quick Shift harness securely and away from moving parts. Run the harness around the water pump and underneath gas tank, towards the storage compartment.

9 Secure harness with supplied zip tie.

10 Plug EMS Cube Quick Shift harness into EMS Cube.
(See Fig. 4)

11 Check that all wiring connections are tight.

12 Reinstall the engine sprocket cover, left side body cowling, fuel tank, and seat. Check that wiring is not pinched or kinked.

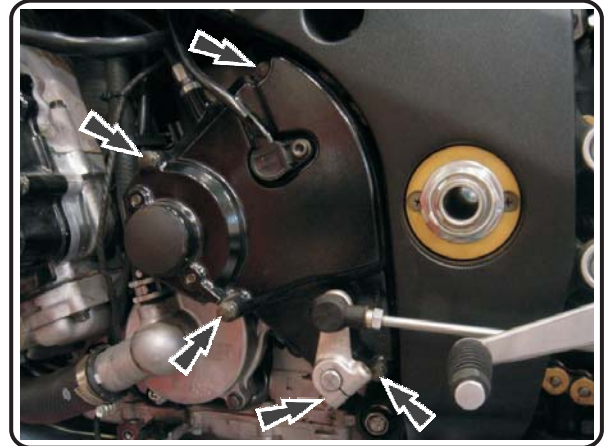


Fig. 1

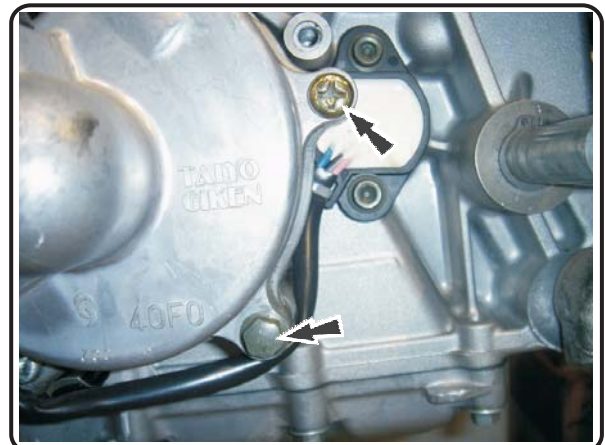


Fig. 2

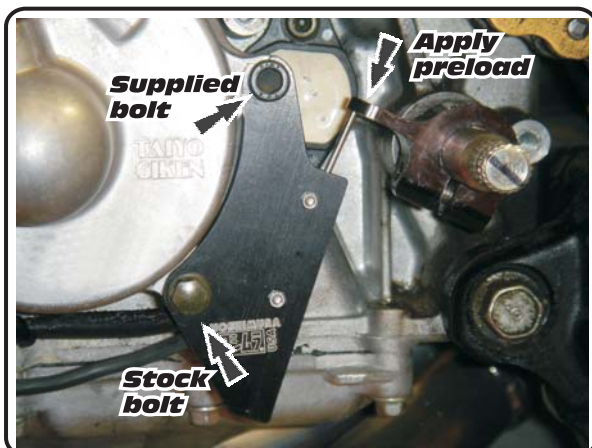


Fig. 3



Fig. 4

13 Calibrate EMS Cube Quick Shift by using Yoshimura Engine Management System interface.

This feature allows the user to specify how long the fuel cut-off lasts for the clutchless upshifting system. The gearshift pedal actuated engine kill switch senses when the gear is being loaded and cuts the fuel for a “user defined” amount of time allowing the transmission to engage into the next gear without using the clutch or letting off the throttle.

Make sure that EMS Cube is connected with the computer. Open the Yoshimura software interface program. With the bike not running, but with ignition ON, shift into 2nd gear. Lift the gear shifter into the position - when you feel resistance right before shifting to 3rd gear, hold it and press the “Cali” button to the right of the “Low” box. Without releasing, shift into 3rd gear and hold it in position right when you feel that gear has changed. (There is still some free play between this position and the ending one. Make sure you don’t go all the way to the end because the cut-off time would be inadequate). Press “Cali” button to the right of the “High” box.

“MinRPM” value is the minimum RPM, when the Quick Shifter will start to work.

Run the bike and check the behavior when changing gears. If you are experiencing chopping, you would need to adjust the values.

Increase the “Low” value and decrease the “High” value. Do it one by one so you can distinguish the difference between the previous value and the current one. By doing so, you will reach the optimal setup. (See Fig. 5)

14 If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura technical department at (800)634-9166.

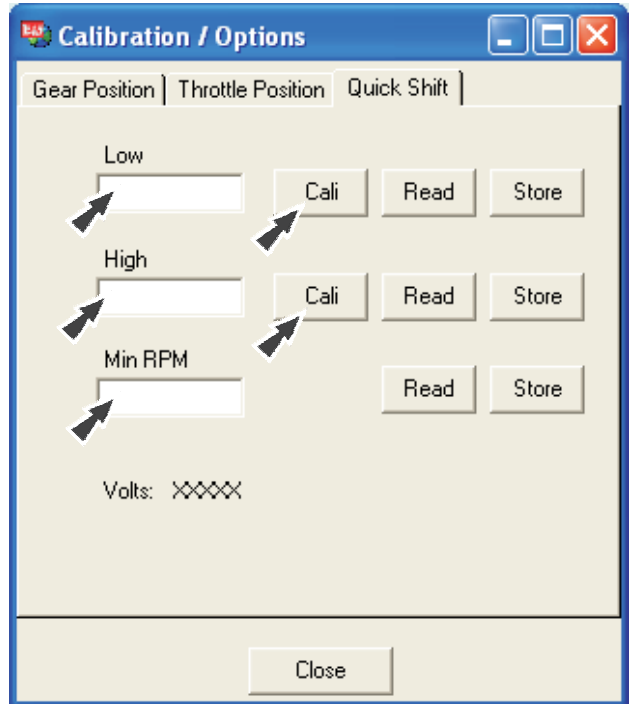


Fig. 5

Parts list:

DESCRIPTION	QTY	PART #
EMS Cube Quick Shift-Bracket w/Switch	1	38107
EMS Cube Actuator	1	38002
Zip Tie Black	3	ZT-200
6mmX25mm Socket Screw - Black	1	M6X25CSB
6mmX20mm Socket Screw, Low-Head	1	M6X20L
Instructions	1	INST KIT