

BIG CEE ENGINEERING

627 N Michigan Ave #5 Pasadena, CA 91106
bigcee@bigcee.com www.bigcee.com

KLR650 Engine Case Screw Kit

The kit is broken up into five sections for easier installation. If you are just replacing your screws without taking your engine apart for maintenance, I recommend replacing the screws one at a time, and comparing the length of the replacement screw to that of the original. This will insure that the screws are going in the right locations. Use anti-seize if available. All screws for the engine components are 6mm in diameter (M6). The carburetor screws are M4 and M5.

Right Side

All of the screws on the right side are 30 mm long, with the following exceptions: The 80 mm screw goes to the rear of the oil filter; the 35 mm screw replaces one of the water pump screws.

Left Side

The 30 mm screws are used in the magneto (outer) cover. The 25 mm screws and one 20 mm screw are for the (inner) engine cover. (The 20 mm screw goes below the starter motor, and you won't be able to replace it without removing the magneto cover.)

Crankcase

Replace the stock screws around the center seam with the matching lengths from the kit.

Accessories

Countershaft sprocket cover: 25 mm screws (3) plus flat washers. NOTE: If you change your c-shaft sprocket in the field, I recommend leaving the stock hex head screws in place. Otherwise, you may have to dig dirt out of the socket heads to get your hex key engaged.

Clutch cable bracket: 12 mm screw and lock washer.

Exhaust pipe and muffler shields: 10 mm button-head screws (2) and lock washers each.

Head oil pipe bracket (on rear of cylinder): 10 mm button-head screw.

Thermostat cover and cylinder water outlet: 12 mm button-head screws (5).

Oil filter cover: 16 mm button-head screws (2).

Cam chain tensioner: 25mm hex-head screws (2) plus flat washers. (Socket heads won't work here, since there is not enough clearance for a hex key on the lower screw.) *Replace one screw at a time!* If the tensioner is allowed to back away from the cylinder body, you will have to remove and reset it.

Carburetor

All of the screws use lock washers, except for the boot clamps.

Throttle bracket: M5x10 (1).

Coasting enricher bracket: M4x10 (2).

Diaphragm cover: M4x18 (4).

Fuel bowl: M4x16 (4).

Boot clamps: M4x25 (2).