

# BIG CEE ENGINEERING

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## **KLR650 Manual Petcock Conversion Kit**

This kit replaces the rear cover of the fuel tank petcock, to convert it from vacuum to manual operation. There are several things to consider before installation:

- 1) This kit must only be installed on petcocks with an “OFF” position. All KLR650 petcocks carry the same part number, but there have been some reports of units with a “PRI” (prime) position. If your petcock does not have an OFF position and you install this kit, you will not be able to turn off the gas flow at all.
- 2) Once you install this kit, you must turn off the petcock when leaving the bike parked for an extended period of time or overnight. Otherwise, if the needle valve in your carburetor is not sealing, you will wind up with a floor or crankcase full of gasoline.
- 3) You will be working with gasoline when doing this modification. Gasoline is highly flammable and carcinogenic. Work in a well-ventilated area free of sparks or flames, and wear nitrile gloves or avoid contact with the gasoline.

You do not need to fully drain the tank to install the kit, but you must uncover both the main and reserve petcock ports before proceeding. The simplest way to do this is to run the bike down to reserve, remove the tank, and stand it on its front end or its right side. Remove the four screws holding the back cover on the petcock. Remove the cover, diaphragm/plunger assembly, plastic spacer, and spring. Install the cover and gasket with the four screws provided. Use the rubber cap to plug the vacuum port on the carburetor (or vacuum tee on smog-equipped motorcycles). Reinstall the tank and you are finished.