

# Thermo-Bob 3™ Installation Manual

## “CR4A” Kit

- Honda CRF450R, 2005-2008
- Honda CRF450X, 2005 and newer

## Thermo-Bob 3™ Installation 'CR4A' Kit

You know the drill: drain coolant into suitable container, don't drain it when it's hot, keep away from pets as it's toxic, refill system after all parts are installed, double-check all clamps are tight, verify that radiators are full after first heat cycle.

Remove a 1.9 inch section of factory hose that connects engine exit to radiators, insert Thermo-Bob 3 in that section as shown on the right. Note that the Thermo-Bob 3's cap screws face up, not down. Sorry for the photoshopped picture, but I don't have any customer photos to use at this time. You'll want to rotate the Thermo-Bob 3 in the hose for the best fit around the fuel petcock, any aftermarket radiator bracing, and the fuel tank. I've rotated it in this picture for ease of seeing details on the Thermo-Bob 3, and it also looks larger than actual here by a bit.

The Thermo-Bob 3 housing has an additional threaded port for a KOSO or TRAIL TECH temperature sending unit (BSPP 1/8-28). Since either sensor uses two wires, an external ground is not required so it's best to use Teflon tape or a good Teflon sealant on the temperature sensor threads during installation to avoid leaks.

The route of the bypass hose is shown in green.

Remove a 5/8 inch section of the Honda hose that travels from the bottom of the left radiator to the coolant pump, then insert the bypass tee into the Honda hose with the brass barb aiming towards the left side of the bike as shown.

Connect the supplied bypass hose between the two brass bars. Shorten bypass hose if required.

Double-Check all clamps are tight before refilling the cooling system.

