

# Thermo-Bob 3™ Installation Manual

## “CR4D” Kit

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IM\_CR4D\_V1

## Thermo-Bob 3™ Installation 'CR4D' Kit

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

Shown on the right is a finished installation. The Thermo-Bob is installed in the hose that connects the cylinder head to the right radiator's upper tank. Remove a 1.9 inch section of the factory hose and insert the Thermo-Bob in that section as shown. Do not tighten the two Thermo-Bob clamps yet.

The Thermo-Bob 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 and snug the sensor down tight during installation to avoid leaks.

Next we will discuss the installation of the bypass hose which is supplied in our kit: we have photoshopped it blue for easy identification.

Note in this shot that the Thermo-Bob has been rotated to tuck the bypass hose in fairly close to the cylinder, which increases its distance from the exhaust headpipe.

(see next page)



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The top photo, shot from the front of the bike looking aft, shows the completed installation of the Thermo-Bob's bypass tee and bypass hose (blue).

The bottom photo shows where the supplied bypass tee is installed in the Honda hose that returns cold coolant from the left radiator to the coolant pump. You will need to remove a 5/8 inch section of the Honda hose to place the tee in the correct area. Clamp the tee into the Honda hose with the brass barb aiming as shown and tighten the clamps.

Think about the routing of the bypass hose, which will connect the two brass barbs (one on the bypass tee, the other on the Thermo-Bob). Once a tidy routing is selected, you can shorten the bypass hose to fit best.

Slide the supplied small clamps onto the center of the bypass hose, then dip both ends of the bypass hose in coolant and wipe off the outside. This will lubricate the inside of the hose, making it easier to slide the hose onto the two barbs.

Once the hose has been installed on both brass barbs, slide the bypass hose clamps into place and tighten. Now the two large clamps at the Thermo-Bob can be tightened as well.

Look over the installation, then double-check that all clamps are tight before refilling the radiators.

