

# Thermo-Bob 3™ Installation Manual

“YZ4B” Kit

Yamaha YZ450F, 2014 and newer  
Yamaha WR450F, 2016 and newer

## Thermo-Bob 3™ Installation YZ4B Kit

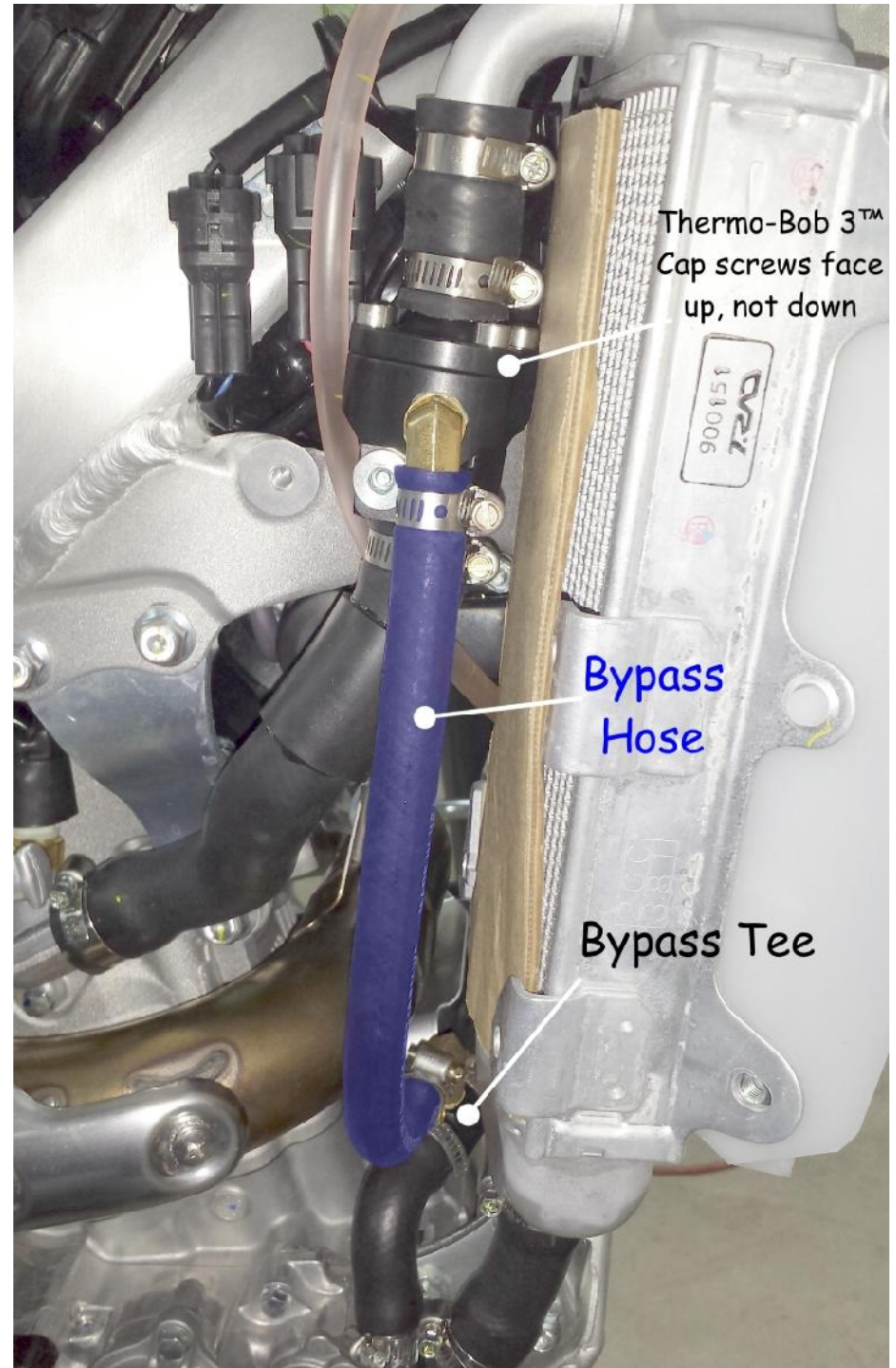
You know the drill: drain coolant into suitable container, don't drain it when it's hot, keep away from pets as it's toxic, refill system after all parts are installed, double-check all clamps are tight, verify that radiators are full after first heat cycle.

In this photo, the installer has placed a piece of cardboard over the radiator core while working to prevent damage. This WILL BE REMOVED after installation is complete.

This installation is on a '16 with the factory "kinked" radiator hose, so the Thermo-Bob 3™ is mounted up quite close to the radiator top tank fitting. Remove a 1.75 (1 and ¾) inch section of the factory hose, and insert the Thermo-Bob 3 in that section as shown on the right. Note that the Thermo-Bob 3's cap screws face up, not down.

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 bypass hose is colored blue for easy identification and is discussed on the next page.



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Remove a 5/8 inch section of the Yamaha hose that travels from the bottom of the left radiator to the Y-fitting. Insert the bypass tee into the Yamaha hose with the brass barb aimed to the right side of the bike as shown. This will cause the bypass hose to 'bow' and provide clearance to the exhaust headpipe.

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 bypass hose, making it easier to slide on to the brass barbs.

Slide one end of the bypass hose on to the brass barb on the Thermo-Bob 3, and the other end on to the brass barb on bypass tee. Rotate the bypass tee in the Yamaha hose to maximize distance between the bypass hose and exhaust headpipe.

Slide all clamps into place (there are a total of 6 with the Thermo-Bob 3™ kit) and tighten.

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

