

#888040/#888050 YAMAHA**BILLET TACH MOUNT KIT** (Will fit windshield models)

Application: '96-'03 Road Star, all models; V-Star 650 "Custom" and "Classic", all years, V-Star 1100 to '04 all models, V-Star 1100 "Custom" to '06.



Please read and understand these instructions completely before installation to avoid any possible injury to yourself or the motorcycle and/or accessory.

PARTS LIST:

ITEM:	PART NAME:	DESCRIPTION:	QTY.
#1	BILLET HANDLEBAR CLAMP	SUPPLIED	1
#2	BILLET TACH MOUNT	SUPPLIED	1
#3	BILLET TACH CUP	SUPPLIED	1
#4	10-24 X 1-3/4" SOCKET CAP SCREW	SUPPLIED	2
#5	10-24 X 1/8" SOCKET SET SCREW	SUPPLIED	1
#6	ELECTRONIC TACHOMETER	SUPPLIED	1
#7	PIGGY BACK PUSH-ON TERMINAL	SUPPLIED	2
#8	RING TERMINAL	SUPPLIED	1
#9	1/4" SHRINK TUBING, 2" LENGTH	SUPPLIED	1
#10	10-24 X 1/4" SOCKET SET SCREW	SUPPLIED	1

PREPARATION:

1. Remove and retain the (4) chrome caps from the handlebar clamps. Remove and retain the (4) stock allen head bolts. This hardware will be re-used with the new Billet Tach Mount Kit. Carefully remove the stock handlebar clamps while supporting the handlebars.

INSTALLATION:

2. Slide the Electronic Tachometer (#6) into the Billet Tach Mount (#2) and secure with the 10-24 X 1/4" Socket Set Screw (#10) supplied. Carefully pull the tachometer wire harness through the larger hole in the Billet Tach Cup (#3) and secure the Billet Tach Cup with the 10-24 X 1/8" Socket Set Screw supplied. (The additional holes in the tach cup are for air circulation). Attach the Billet Tach Mount to the Billet Handlebar Clamp (#1) with the two 10-24 X 1-3/4" Socket Head Screws (#4) supplied. Install the Billet Tach Mount assembly with the four stock allen head bolts and chrome caps removed in step 1 above. Adjust handlebars to desired height and torque bolts to factory specs.

WIRING INSTRUCTIONS:

3. **Refer to FIG. #1.** Remove Seat. Disconnect negative cable from battery. Remove fuel tank retaining bolts. Raise fuel tank about 3"-4" to expose the Left Side Ignition Coil. It is not necessary to completely remove the gas tank on the Road Star. (V-Star 1100 applications use the right front coil and require fuel tank removal.)

TIP: Long needle nose pliers are useful in removing and re-installing the coil wires.

If desired, tach wire loom may be shortened as necessary. Using an appropriate crimping tool, connect the Tachometer wires in the following manner:

Cut Shrink Tubing (#9) into two 1" pieces.

Slide a piece of Shrink Tubing over the GREEN tach wire and a piece over the RED and BLUE tach wires. Crimp the RED and BLUE tach wires to one PIGGY BACK PUSH-ON TERMINAL (#7). Crimp the GREEN tach wire to the remaining PIGGY BACK PUSH-ON TERMINAL. Crimp the BLACK tach wire to the RING TERMINAL (#8).

Slide the Shrink Tubing down to completely cover the exposed metal on the two PIGGY BACK PUSH-ON TERMINALS. Using a non-flame heat gun, shrink the tubing until it is secure.

Un-plug the ORANGE (NEG) and the RED/BLACK (POS) Coil leads from the Coil. Push the ORANGE (NEG) coil wire on to the PIGGY BACK PUSH-ON TERMINAL with the GREEN tach wire and plug in to the NEGATIVE terminal on the coil.

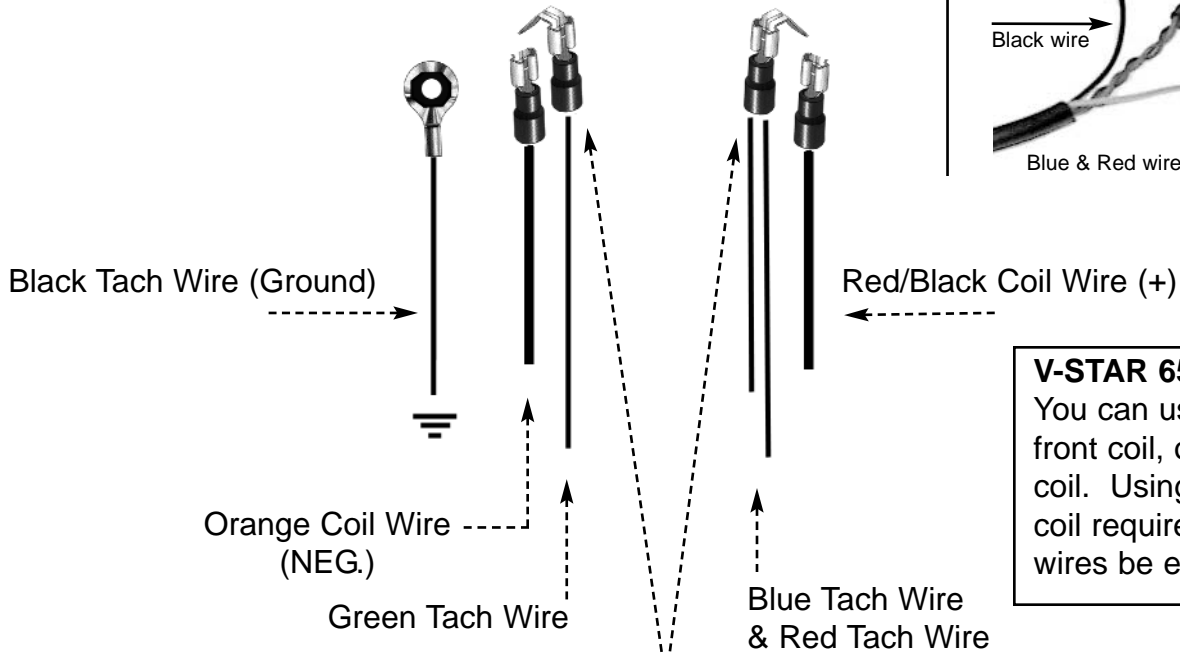
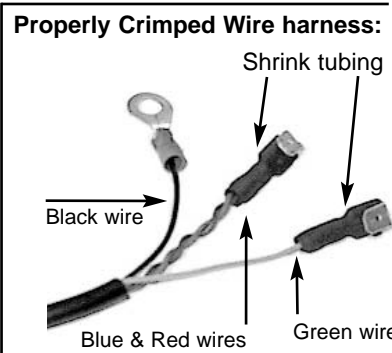
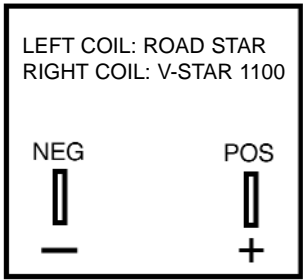
Push the RED/BLACK (POS) coil wire on to the PIGGY BACK PUSH-ON TERMINAL with the RED and BLUE tach wires and plug in to the POSITIVE terminal on the coil.

Install the RING TERMINAL with the BLACK Tach Wire (GROUND) to an adequate ground location.

Re-install gas tank, seat, and battery cable in reverse order of removal.

EXAMPLE: USE LEFT SIDE COIL ON ROAD STAR AND RIGHT COIL ON V-STAR 1100.

FIG. 1



V-STAR 650:
You can use the right front coil, or the rear coil. Using the rear coil requires that the wires be extended.

SHRINK TUBING MUST COVER TERMINAL ENDS!

IF YOU HAVE ANY FURTHER QUESTIONS PLEASE CONTACT US AT: 800-884-4173