

#803150, #803190, #803250, #803290 BILLET TACH MOUNT KIT WITH 4" HANDLEBAR RISERS



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

PARTS LIST:

<u>ITEM:</u>	<u>PART NAME:</u>	<u>DESCRIPTION:</u>	<u>QTY.</u>
#1	BILLET HANDLEBAR CLAMP/TACH MOUNT	SUPPLIED	1
#2	BILLET TACH CUP	SUPPLIED	1
#3	O-RING	SUPPLIED	1
#4	5/16-18 x 1" CHROME SOCKET HD. SCREW	SUPPLIED	4
#5	4" CHROME HANDLEBAR RISER	SUPPLIED	1
#6	10-24 X 1/8" SOCKET SET SCREW	SUPPLIED	1
#7	ELECTRONIC TACHOMETER	SUPPLIED	1
#8	PIGGY BACK PUSH-ON TERMINAL	SUPPLIED	2
#9	RING TERMINAL	SUPPLIED	1
#10	1/4" SHRINK TUBING, 2" LENGTH	SUPPLIED	1
#11	1/2-13 X 2-1/4" HEX BOLT	SUPPLIED	2
#12	1/2-13 X 2-3/4" HEX BOLT	SUPPLIED	2
#13	1/2" LOCK WASHER	SUPPLIED	2

PREPARATION:

Remove the four chrome caps from the stock handlebar clamps. Remove the four stock allen head bolts. This hardware will not be re-used with the new Billet Tach Mount Kit. Carefully remove the stock handlebar clamps while supporting the handlebars. Remove the two nuts underneath the triple tree that attach the stock handlebar risers. Remove the stock risers.

INSTALLATION:

1. Assemble the Tach and Billet Clamp: Slide the Electronic Tachometer(#7) into the Billet Handlebar Clamp/Tach Mount (#1). It is held in place by the O-Ring (#3) supplied. Carefully pull the tachometer wire harness through the hole in the Billet Tach Cup (#2) and secure the Billet Tach Cup to the Tach with the 10-24 X 1/8" Socket Set Screw (#6) supplied.

2. Install the Risers: Install the 4" Chrome Handlebar Risers (#5) with the appropriate length of 1/2" diameter bolts for your application:

YAMAHA ROYAL STAR: Use the two 1/2-13 X 2-1/4" HEX BOLTS (#11) with the two 1/2" LOCK WASHERS (#13) supplied.

YAMAHA ROAD STAR & 650/1100 V-STAR: Use the two 1/2-13 X 2-3/4" HEX BOLTS (#12) with the two 1/2" LOCK WASHERS (#13) supplied.

3. Install the Handlebar Clamp/Tach Mount to the Risers:

Set the handlebars into the Chrome Handlebar Risers and install the Billet Handlebar Clamp/Tach Mount to the Chrome Handlebar Risers with the four 5/16-18 x 1" Chrome Socket Head Screws (#4) supplied. Adjust handlebars to desired height and tighten bolts securely. Do not over-tighten

WIRING FOR STOCK COIL & IGNITION SYSTEM:

4. Refer to FIG. #1. Remove Seat. Disconnect negative cable from battery. Remove fuel tank retaining bolts. Raise fuel tank sufficient to expose the Left Side Ignition Coil. If desired, tach wire loom may be shortened as necessary.

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.

NOTE: MAKE SURE YOU SLIDE THE SHRINK TUBING OVER THE WIRES BEFORE CRIMPING THE TERMINALS ON!

Using an appropriate crimping tool, connect the Tachometer wires in the following manner:

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.

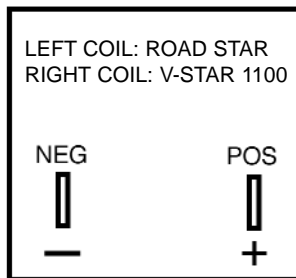
Push the RED/BLACK (POS) coil wire on to the PIGGY BACK PUSH-ON TERMINAL with the RED and BLUE tach wires and plug in to the POSITIVE terminal on the coil.

Install the RING TERMINAL with the BLACK (GROUND) tach wire to an adequate ground location.

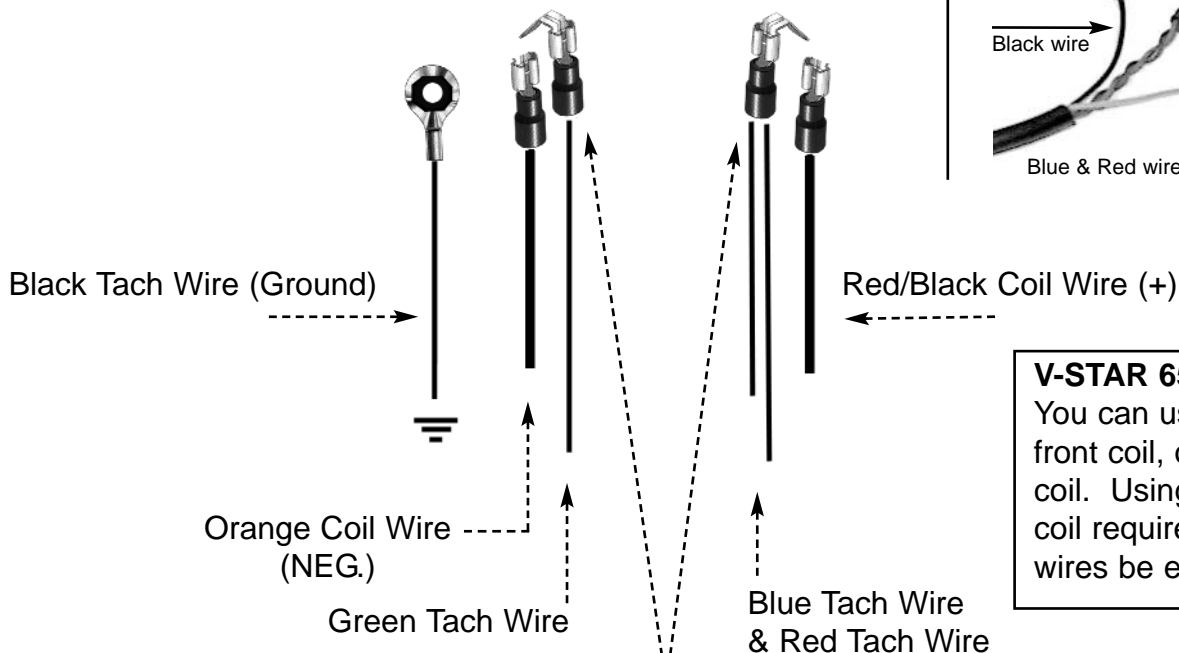
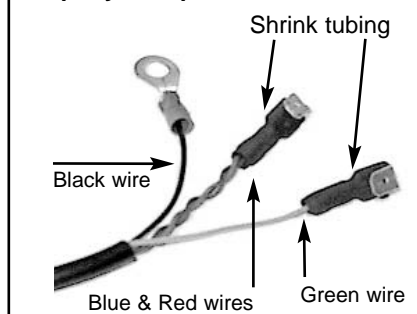
Re-install gas tank, seat, and battery cable in reverse order of removal.

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

FIG. 1



Properly Crimped Wire harness:



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!