

**V-Twin Mfg.
Turn Signal Relocation Kit
Fits 2006 – Up FXD Models
VT Part No. 31-1569**

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

Installation Instructions:

1. Remove lens (1) from rear turn signal housing (5). Remove bulb (2) from the socket of reflector (3).
2. Trace the turn signal wires along the underside of the rear fender. Cut the wires 4-6 inches past the internal fender clip.

Note: The wires must be cut to allow them to fit through the new turn signal shaft. They will be spliced back together later in the installation. It may be necessary to pull back the protective wire sheath to allow splicing.

3. Carefully pry the socket (3) and grommet (4) from the housing. Remove the wires from the housing and slide the conduit off the wires. Discard the conduit.
5. Remove and discard the bolt (8) and lockwasher (7) that secure the turn signal housing and support (6) to the fender.
6. Place the rear docking point (9*) and recess cover (10*) over the long threaded end of the new turn signal shaft (11) with the countersunk side of docking point facing outward.
7. Insert the turn signal shaft (11) through the rear mounting hole in the fender support and fender. Apply blue loctite to the shaft and thread into fender mounting bracket.
8. Tighten the shaft to 12-18 ft-lb.
9. Loosely install a jam nut (12) and a lockwasher (13) onto the short threaded end of the turn signal shaft (11).
10. Place the recess cover (14) into position over the recess on the turn signal housing. Insert the wires from the socket through the grommet into the turn signal housing, through the threaded hole and the recess cover, and into the turn signal shaft (11).

Note: Apply a drop of liquid soap to the wires to ease insertion through the shaft.

11. Route the wires through the turn signal shaft (11) until they are through the fender.
12. Install the turn signal housing onto the stud. Be careful that the wires are not twisted or damaged as the shaft and housing are assembled. The lockwasher will fit inside the hole in the recess cover. Hand tighten the jam nut against the lockwasher.
13. While pulling the turn signal wires into the inside of the fender, guide the turn signal socket and grommet into the housing.
14. Align the rear turn signal housing so that when the lens is installed it is aimed rearward for proper visibility. While holding the turn signal housing in position, tighten the jam nut against the lockwasher to 8-10 ft-lb.

Connecting the Turn Signal Wires

1. Strip a 3/8 inch section of insulation from the ends of the four turn signal wires underneath the fender.

Notes: Be sure to match the wire colors before splicing. The number of turn signal wires varies depending on the vehicle model.

2. Insert the black turn signal wires into opposite ends of sealed splice connectors (15). Insert the violet/brown wires into opposite ends of the other sealed splice connectors.
3. Match the color of the sealed splice connector with the color of the crimp cavity of the crimping tool. Crimp the wires into the connector.
4. Repeat all the above procedures for the opposite side.
5. Using a heat gun, heat the crimped splice to encapsulate the sealed splice connection. Apply heat from the center of the crimp out to each end until the meltable sealant comes out of both ends of the connector.
6. Install the left side turn signal bulbs (2) into the sockets (3). Install the lenses (1) in the left side turn signal housings (5).
7. Repeat previous step for the right side turn signals.

