



INSTRUCTIONS

-J03678

REV. 2005-09-16

AUXILIARY BRAKE/ RUN/TURN SIGNAL CONVERSION KIT FOR VRSC

GENERAL

Kit Number

69464-06

Models

This kit is designed for installation on 2002 and later VRSC® model motorcycles.

WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.

Kit Contents

Table 1. Kit Contents

Description (Quantity)	Part Number
Module, tail light turn signal	69466-06
Lens, red turn signal (rear) (2)	69192-04
Strap, cable (4)	10006

WARNING

When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse or circuit breaker protecting the affected circuit being modified. Exceeding the maximum amperage can lead to electrical failures, which could result in death or serious injury. (00310a)

NOTE

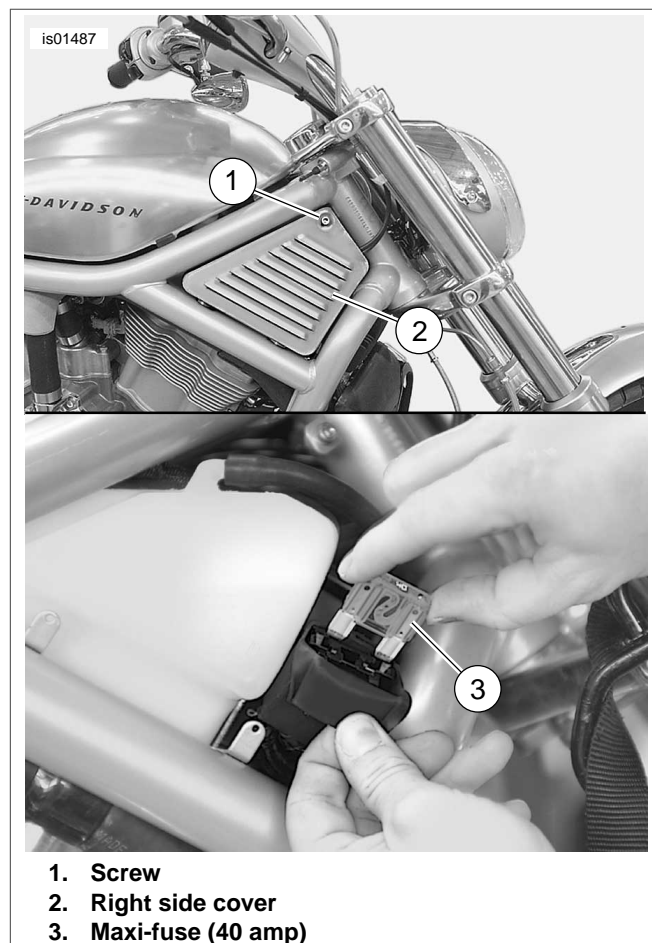
This kit requires up to 4.5 amps additional current from the brake light circuit while brakes are applied.

CAUTION

It is possible to overload your motorcycle's charging system by adding too many electrical accessories. If your combined electrical accessories operating at any one time consume more electrical current than your vehicle's charging system can produce, the electrical consumption can discharge the battery and cause vehicle electrical system damage. See a Harley-Davidson dealer for advice about the amount of current consumed by additional electrical accessories, or for necessary wiring changes. (00211b)

INSTALLATION

- See Figure 1. On the front right side of the bike, remove the screw (1) securing the right side cover (2) and remove side cover. Save screw for installation.



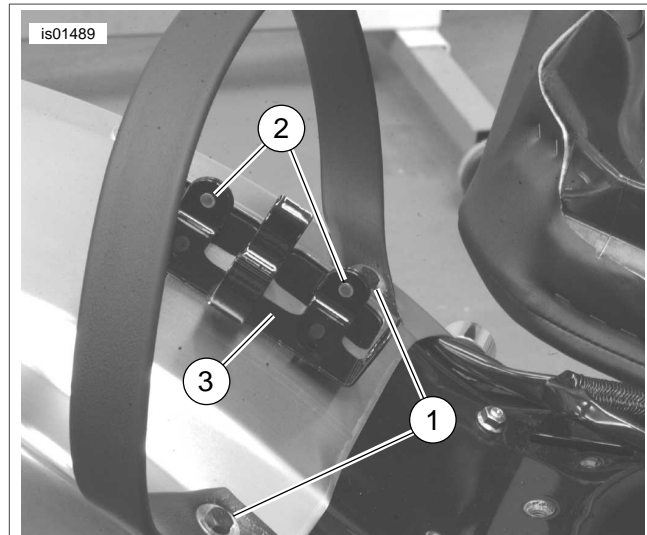
- Screw
- Right side cover
- Maxi-fuse (40 amp)

Figure 1. Remove Side Cover and maxi-Fuse



Figure 2. Remove Tail Lamp Assembly

2. Locate and disconnect (pull out) the Maxi-Fuse (3).
3. See Figure 2. Insert a small screwdriver into the middle hole of the license plate light cover. Push upward with screwdriver to release tail lamp housing retaining clip.
4. Lift tail lamp housing up and away from fender housing.
5. Disconnect the 4-place tail lamp connector and lay tail lamp assembly aside for now.
6. Unlock and lift up seat. Remove bolt and washer securing passenger pillion to frame. Slide pillion forward under passenger grab strap and remove. Save hardware for installation.
7. Release the TSSM (Turn Signal/Security Module) assembly from the bracket clamps and rest it on the seat.
8. See Figure 3. Remove the two screws and washers (2) securing the passenger grab strap and remove grab strap. Save hardware for installation.
9. Remove the two Keps nuts (2) securing the TSSM bracket assembly (3) to the fender and remove bracket. Save Keps nuts for installation.



1. Grabstrap screw (2)
2. Keps nut (2)
3. TSSM bracket assembly

Figure 3. Remove Passenger Grab Strap and TSSM Bracket/Clamp Assembly

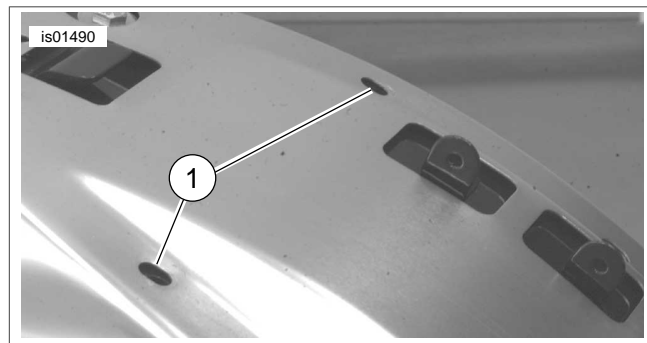


Figure 4. Rear Fender Hardware Shown Removed

10. See Figure 4. Remove the two screws and washers (1) securing the rear outer fender to the inner fender.
11. Gently push rearward on the rear fender until fender tail section slides out from groove running along inner fender mount.
12. Obtain the turn signal module from kit and note that the bottom of module consists of an adhesive strip. Leave adhesive strip in place for now.

NOTE

Due to the very limited space between the inner and outer rear fender sections, the fender will need to be removed or lifted upward to position and install the module into place.

13. See Figure 5. Temporarily remove the fender or raise the fender and brace it into position so that room exists to install the module. Center and position the module (1) onto the inner fender with wiring exiting the module oriented as shown. Make sure that all wiring will have plenty of slack for all connectors to be connected. Using a pencil or felt tip pen, mark the spot of the modules position. Remove the adhesive tape from the bottom of the module and place in the area just marked. Press and hold the module in place for at least 30 seconds to allow the adhesive to cure.

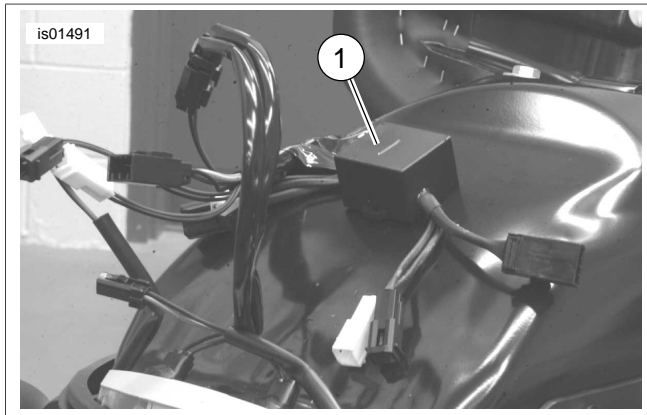


Figure 5. Install the Turn Signal Module

14. With module in place, perform the following:
 - a. Mate the two connectors coming from front of fender to the respective connectors (White to White and Black to Black) on the turn signal module. Mate the module turn signal connectors to each of the turn signal connectors (White to White and Black to Black). The connector attached to the license plate lamp will be left alone. Snap all connectors securely into place.
15. While holding the wiring and connectors out of the way, install the rear fender by sliding the rear section of the outer fender into the groove of the inner fender and continuing forward until the screw holes in outer fender begin to line up with holes in inner fender.
16. Once fender is in place, obtain the tail lamp assembly and mate the 6-place Multilock module tail lamp connector to the 6-place tail lamp connector. Let tail lamp hang in place temporarily.
17. Using the cable straps from the kit, secure the module, connectors, tail lamp and turn signal wiring harnesses in place to create room for tail lamp installation.
18. See Figure 6. Align tail lamp assembly (1) up with cutout in fender and press firmly until the catch at the lower section of the assembly snaps into place.



Figure 6. Install Tail Lamp Assembly

19. See Figure 4. Obtain the screws and washers saved and install to secure outer fender to inner fender. Tighten to 8-12 Nm (71-106 **in-lbs**).
20. See Figure 3. Obtain passenger grab strap and mounting screws (1) and install grab strap to fender. Tighten to 8-12 Nm **in-lbs**.
21. Obtain the two Keps nuts (2) and install the TSSM bracket (3) to the mounts. Tighten the nuts to 3.5-6.5 Nm **in-lbs**.
22. Obtain the passenger pillion and slide under grab strap. Continue to slide to the rear until the steel tab under the pillion slides into groove in fender. Obtain the screw and washer and install to secure the pillion. Tighten the screw to 11-17 Nm **in-lbs**.

⚠ WARNING

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070b)

23. Close and lock the seat.
24. Locate the notch in the original amber turn signal lens and insert a coin or a flat-blade screwdriver into the notch. Carefully twist the coin or screwdriver until the lens pops out of the rear turn signal housing.
Repeat for the other rear turn signal lens.
25. Obtain the red turn signal lenses from the kit. Snap a red lens into the turn signal housing. Repeat for the other lens.
26. Reinstall the Maxi-Fuse and the front right side cover.

⚠ WARNING

Be sure that all lights and switches operate properly before operating motorcycle. Low visibility of rider can result in death or serious injury. (00316a)

27. Start the motorcycle and make sure that both left and right turn signals function properly, and that both rear turn signal lamps illuminate along with the original stop lamp when brakes are applied.