

INSTALLATION INSTRUCTIONS
LICENSE / TURN SIGNAL RELOCATOR #FXD105
H. D. SPORSTER, DYNA & SOFTAIL MODELS
(WITH THREE HOLE REAR FENDER MOUNTED LICENSE PLATE BRACKET)

You may choose to install as described, relocating the turn signals to the license plate bracket & bringing them in closer to the bike for a clean custom look or you can leave the signals in their stock location and install the license plate bracket only.

1. Remove the license plate. Remove the license plate mounting bracket from the fender. Remove the two screws from the tail light lens and pull the light outward, unplug the wire connector and set aside. Unplug the turn signal wire connectors from the tail light base and push them out thru the hole in the fender. Looking up underneath the rear fender remove the wires from the clips that secure them to the bottom side of the fender. Cut the wires 2" from the plugs as shown in photo 1.
2. Unscrew the signal housings from their mounting stems while rotating the wires on the inside of the fender so as not to twist them off while unscrewing the signal from the stem. Remove the signals pushing the wires thru from the inside while pulling the signal outward. Remove the nuts from the backside of the fender that secure the stems and remove the stems.
3. Assemble the license/turn signal bracket, turn signals. Place the smaller reinforcing bracket inside the license plate bracket. Locate the two supplied 5/16" X 1" bolts with holes drilled thru the center and the two supplied 5/16" long spacers. Place the bolts thru the brackets from the inside, threads facing outward followed by the spacers. Thread the wires of the signals thru the bolts and thread the bolts into the signals and snug the bolts.
4. Mounting the LED lights.
 - a. Locate the supplied LED tail/brake lights. **NOTE: this license plate holder is designed for the new U.S. standardized 7" wide license plate. If you have an old style wider plate call us at the phone number below and we will send you a separate set of chrome brackets to work with your larger plate at no charge.**
 - b. Install the lights as shown in photos 2 & 3. Thread the wires of the LED lights thru the lower holes in the license bracket, peel the adhesive backing and press them firmly in place. Cut the wires off at about 18" long.
 - c. Install the license plate bracket with signals and LED lights onto the rear fender as shown in photos 2 & 3. Place the two supplied 1/4" X 1" flat head screws thru the license plate mounting block. Notice that the thicker half of the mounting block goes toward the top of the fender.
 - d. Next route all the wires from the right turn signal and LED into the slot or notch on the backside of the mounting block followed by the rubber mounting gasket. Install the two nuts from the underside of the fender (Removed from the original license bracket.) onto the two flat head screws and snug them being sure the wires are all in the slot of the mounting block. Run all of the signal and LED wires thru the hole in the fender to the left of the mounting block.
 - e. Install the license plate assembly onto the mounting block using the two supplied 1/4" X 1/2" flat head screws. Check the slack from all the wires and again be sure the wires are not pinched between the mounting block and the fender. Tighten all four flat head screws securely. Align the turn signals and tighten their mounting bolts securely.

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5. Working underneath the rear fender, reconnect the plugs with 2 wires that were cut of during disassembly to the turn signal wires using the four red butt connectors supplied. Route the signal wires thru the fender to the tail light and reconnect being sure the left wire goes to the left plug.
6. Connect the LED light wires as follows. If you are also installing a # FLSH flasher refer to their instructions for wire connections and use the flasher in place of the dual function brake/tail light element supplied with this kit. Trim the wires from the LED lights to about 8" long and cut back their black wire covers about 2". Remove the tail light wires from the clips on the inside of the fender and pull them down so that you can identify the colors and make connections. (It may help to unplug the wires from the tail light housing to gain better access.)
7. Locate the supplied dual function brake/tail light element, (Has two red and one orange wire with black heat shrink in the center.) two supplied red splice connectors and one supplied clear butt connector. Trim all three wires of the dual function element to about 2" long. Using the clear butt connector attach the red single red wire from the dual function element to the two red wires from the LED lights, be sure the three wires are inserted all the way into the butt connector then, using a pliers press the red button down flush with the clear housing. Using two supplied red splice connectors attach the orange wire from the dual function element to the blue taillight on the motorcycle and the red wire from the dual function element to the red w/yellow stripe brake light wire on the motorcycle. Place the wires neatly back up into the clips under the fender and bend the clips closed. Use the two supplied cable ties to hold all the wires together and as close to the fender as possible. Turn on the ignition; check the left and right turn signals as well as the LED lights for tail and brake light function.

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**PLATE & SIGNAL RELOCATOR - REF. PHOTOS
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