

USER GUIDE & INSTALLATION INSTRUCTIONS

DESCRIPTION: Turn Signal Relocation Kit, Strut-Mount Type

PART NUMBERS: 2020-0350 and 2020-0421 **FITMENT:** Harley Davidson Dyna models 1996-2009

OVERVIEW:

- This relocation bracket kit has everything you need to move your turn signals and allow installation of accessory saddlebags.
- Stainless steel brackets are durable and match the appearance of the motorcycle's fender strut.
- Wires route inside of bracket for a clean appearance. The kit includes the additional wires and electrical connectors you'll need.
- Can be used with Saddlemen saddlebag supports and QTL (Quarter Turn Locking) quick release saddlebag mounting hardware.

CONTENTS / PARTS INCLUDED:

Qty	Item
2	Bracket outer plate (metal - thick) .
2	Bracket center plate (plastic)
2	Bracket outer plate (metal - thin)
2	Bolt, turn signal (5/16 - 18 x 3")
2	Bolt, turn signal (5/16 - 18 x 1")
2	Nut, hex (5/16 - 18)
2	Wire loops (14 gauge - black & 14 gauge - green)
8	Wire butt connectors, insulated
1	Instruction set



Basic hand tools are required, including: #2 Phillips screwdriver, 7/16" Combination wrench, Hex key (Allen wrench) set, Torx driver set, and a Wire stripping & Crimping tool. NOTE: You should have access to your motorcycle's Service Manual.

IMPORTANT:

All "NOTE," "CAUTION" and "WARNING" notations are serious safety issues and should be read carefully. Possible injury to riders or damage to the motorcycle and/or this accessory may result if improperly installed.

NOTICE TO DEALERS:

These instructions contain important information for future reference and should be given to the customer.

⚠ WARNING:

READ THESE INSTRUCTIONS THOROUGHLY BEFORE INSTALLATION!

Because of the variety of motorcycle configurations, other accessories, and the features and intended use of this Saddlemen accessory, there are many different mounting options. You are responsible for the proper installation of this accessory on your motorcycle. Your attention to these installation instructions and recommendations will permit safe and proper use of this accessory. You must mount this accessory properly and securely before riding your motorcycle. If you lack the ability to safely and properly install this accessory, seek out a qualified motorcycle technician for assistance. During installation, support the motorcycle with a suitable stand or lift so it will not tip over and injure you, or damage the vehicle. Using or mounting this accessory improperly could result in a loss of control of the motorcycle which could result in damage to your motorcycle or other personal property, the property of third parties, and/or personal injury to yourself or others, up to and including death.

WARNING:

BE SURE TO THOROUGHLY READ AND CLOSELY FOLLOW THE MOUNTING INSTRUCTIONS THAT ARE INCLUDED WITH THIS ACCESSORY:

- The turn signal relocation brackets must be installed and securely fastened onto the fender rails or similar foundation on the motorcycle.
- Install the turn signal brackets and any related accessories securely so they will not shift or move while riding. Make sure the mounting hardware will not contact the wheels, suspension or any other moving parts of the motorcycle.
- If you do not understand the mounting instructions DO NOT mount this accessory. Remove any components you may have already installed on your motorcycle.
- Thoroughly inspect your motorcycle accessories and luggage before every ride. Do not use any accessory if its mounting system has been modified, has deteriorated, loosened or is beginning to fail.
- Check the security of your motorcycle's accessories and luggage at each stop as you ride. Hardware can loosen during operation, so be sure to check it frequently.
- Do not use this accessory if you have any doubts as to whether it is properly mounted to your motorcycle.
- When using this or any accessory, do not exceed your vehicle's Maximum Gross Vehicle Weight as listed on your motorcycle or in the manufacturer's owner's manual.
- If your turn signal brackets are ever damaged, do not use them until they have been inspected by your local professional motorcycle dealer. Replace the turn signal brackets immediately if they have damage that prevents them from being properly secured to your motorcycle.

DO NOT ATTEMPT TO USE THIS ACCESSORY IF:

- You do not understand these installation and use instructions,
- You do not understand any part of the accessory mounting system or any related electrical connections,
- You have any doubts as to the security of the mounting system.

If you have any concerns or questions, seek help at your qualified motorcycle dealer or call the Saddlemen support line at (310) 638-1222.

Remember: Motorcycling can be a dangerous activity. Installation of any accessory can increase your risk if it is not installed properly. You are responsible to install this accessory so it will not contact any portion of the drive train, suspension or steering, and so it will in no way interfere with the operation of your motorcycle.

INSTALLATION:

NOTE: The relocation brackets are designed to function with your motorcycle's original turn signals. If your motorcycle is equipped with aftermarket turn signals, you will need to check to see if they will securely mount to the brackets. If not, it is suggested you reinstall the original turn signals on your motorcycle.

Turn the motorcycle's main ignition switch OFF and disconnect the battery's negative cable. Remove the tail light lens (1). Locate the wires from the turn signals in the tail light housing and disconnect the turn signal's connectors (2) from the terminal.

NOTE: You can use blue painter's tape to protect painted and chromed items on your motorcycle during accessory installation.

Use care when pushing or pulling turn signal wires through the fender or fender struts. You can use soapy water to lubricate the wires to prevent chafing of the insulation.

Take note of the color codes and the routing of the wires so you can reconnect and route the wires properly after relocating the turn signals.

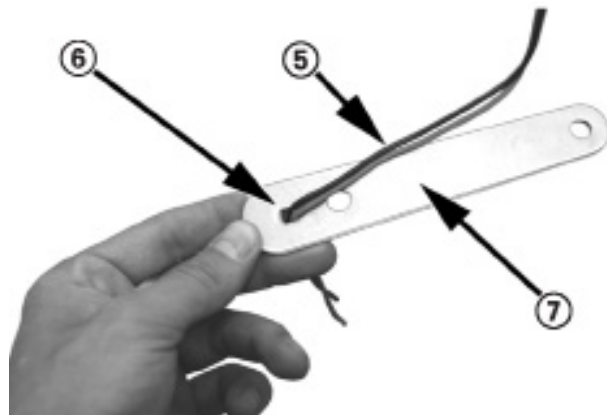
Carefully push the disconnected turn signal's wires down through the holes in the fender. As you do this, free the wires from any clips or cable ties. Remove the bolts securing the turn signals to the fender strut (3) and carefully remove the turn signals (4) (the fender strut is the component of your motorcycle that attaches the rear fender to the frame). The multi-plate Turn Signal Relocation Brackets were developed to be strong and durable. Their appearance was designed to mate smoothly with your motorcycle as the turn signal wires are routed inside of the bracket. You will need to assemble the brackets before attaching the turn signals to them. The complete bracket consists of a thick metal inner plate, a black plastic center plate, and a thin outer metal plate (see the image on the first page of this instruction set).



IS 400077 Turn Signal Relocator Dyna (Rev 1 03-2022)

INSTALLATION *(continued)*

Route the supplied wire extensions (5) through the hole (6) at the wider end of the thick, inner steel plate (7) of the relocation bracket. Position the plate so the tang at the wire hole faces outward, towards the turn signal base.



Remove the protective paper covering the adhesive tape from one side of the black plastic plate (8), align and press the black plate to the thick, metal plate. Connect the wire extensions coming from the wide end of the relocation bracket to the turn signal's wires using the supplied butt-connectors. The connectors (9) will fit inside the channel (10) created inside the relocation bracket when you attach the black plastic plate. Measure and cut each turn signal's wires 1½" from the base of the turn signal. Strip 3/8" of insulation from the ends of each cut turn signal wire, and from the ends of the extension wires. Using a quality electrical connector crimping tool and the butt connectors, connect the extension wires to the end of wires coming out of the turn signals. Connect the green extension wires to the turn signal wires with the white stripe.

Remove the protective paper covering the adhesive tape from the remaining side of the black plastic plate. Align and press the thin metal plate to the black, plastic plate.

NOTE: Remember to neatly arrange the wires and connectors in the center groove and then remove the protective paper from the center plate. Align the two assembled plates with the final, thin metal plate and press the plates together.

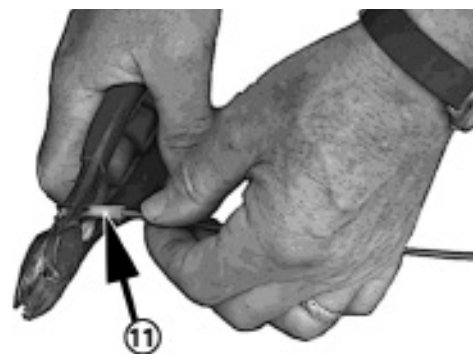
Next, attach the wire butt-connectors (11) to the wire extensions that route from the relocation bracket. As before, strip 3/8" of insulation from the ends of the extension wires protruding from the relocation bracket. Using a quality electrical connector crimping tool, attach the butt connectors. Do not connect the cut off portions of the original turn signal wires to the extension wires at this time, because you must route the wires through the fender struts first.

NOTE: When assembled properly, the tang on the thick outer metal plate fixes the bracket to the turn signal wire hole in the fender stay. This tang prevents the relocation bracket from rotating on the single saddlebag support mounting bolt.

Hand tighten the supplied turn signal bolt (12) so it firmly attaches to the assembled bracket. Use care to not damage the turn signal wires (13).

Route the wires (14) from the turn signal through the oval hole at the small end of the thin center plate, with the polished side toward the turn signal, and then out through the last hole in the opposite side (with the tang).

NOTE: Most Harley-Davidson turn signals require a 3" mounting bolt as the signal's stalk is a separate part, and the longer bolt holds the stalk to the signal lamp as an assembly. Use the shorter, supplied bolt if the stalk is part of the turn signal lamp.



IS 400077 Turn Signal Relocator Dyna (Rev 1 03-2022)

INSTALLATION *(continued)*

Route both turn signal's wires through the wire holes in the fender stay. Because of the size of the hole, you may need to push one butt connector and wire through at a time.

Once the wires are through, use your electrical crimping tool to connect the original wires to the butt connectors, following the same connection color codes as before (black extension wire to the motorcycle's solid color wire; green extension wire to the motorcycle's striped wire). The wires and the butt connectors for the wire extensions will permit the bracket and the turn signal to hang from the fender stay.

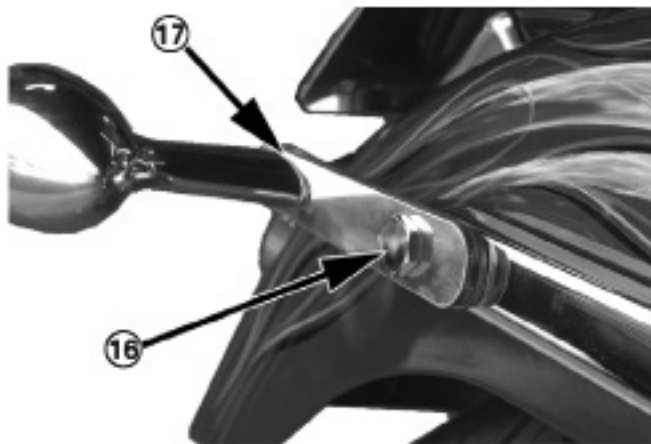


IMPORTANT: You may be installing turn signal relocation brackets because you are adding saddlebags to your motorcycle. For your safety, and the protection of your motorcycle and saddlebags, it is essential that you install saddlebag supports when installing accessory saddlebags. Saddlemen Saddlebags mount to the fender struts of your motorcycle using the saddlebag supports (15) and mounting hardware. Supports must be installed in a way that prevents the saddlebags from interfering with any part of the motorcycle's operation, including the turn signals, tail or brake lights, exhaust system, suspension, or drive train. You (or your professional motorcycle technician) will need to determine the best mounting configuration for your motorcycle.



Attach the assembled bracket-turn signal assembly to the motorcycle using the supplied mounting bolt (16). After you have secured the bracket/turn signal assembly to the fender stay, tighten the turn signal mounting bolt (17) securely.

IMPORTANT REMINDER: When installing a mounting bolt through the turn signal relocation bracket, any saddlebag support, and the fender, check to be sure that it does not extend inside the fender further than the original fastener. If the bolt is too long, it must be cut off or exchanged for a shorter bolt you obtain from a hardware store or motorcycle shop.



INSTALLATION *(continued)*

Repeat the wire extension procedure and the relocation bracket assembly for the other turn signal.

Connect the turn signal wires to the terminals inside the tail light assembly. Reconnect the battery's negative cable. Turn the main ignition switch to ON to test the turn signal, tail light and brake light functions. Once you have verified that the lights function properly, replace the tail light lens (18).

NOTE: When installing the tail light lens, make sure you fit the lens gasket properly into the housing. If you do not seat the gasket properly, water could enter the tail light assembly causing corrosion that can affect the operation of the tail light or turn signals.



IMPORTANT:

Failure to install this accessory properly may allow portions of the turn signal, accessory saddlebags or related mounting materials to contact the vehicle's moving parts. It is vital that you verify that the accessory and/or any of its parts will not touch, or interfere with other components on the vehicle while the suspension moves through its entire range of motion.

Make sure that any accessory or its mounting hardware does not touch the exhaust or any other non-moving components, as they might be damaged from contact with the accessory.

Occasionally, the configuration of this accessory and related accessories will require relocation and/or adjustment of certain components on the vehicle. Check to be sure that all lights and safety reflectors are visible once you have relocated the turn signals, or have installed saddlebags. If the saddlebag mounting hardware blocks or interferes with the turn signals, you may need to correct the location of the turn signals, making sure to place them so that they are still solidly mounted and they function properly. If the saddlebags or mounting hardware blocks any side reflectors, place reflectors on the exterior sides of the saddlebags. Reflectors with self-adhesive backing are available from Saddlemen (reflector kit #2040-0416). It is your responsibility to make sure that the installation of this accessory does not create an unsafe or illegal condition.

After 50 miles (80 kilometers), recheck all of the accessory mounting hardware to make sure it is still tight and secure. Inspect the saddlebags and related hardware before, and during, each ride. A loose turn signal, saddlebag or other accessory hardware can interfere with the vehicle's operation and can cause an unsafe riding condition.

LIMITED WARRANTY POLICY

SADDLEMEN LIMITED ONE-YEAR WARRANTY Saddlemen warrants its products for defects in materials, design or workmanship for a period of one year after retail purchase. Items that are defective will be repaired or replaced by Saddlemen at its sole discretion. Damage caused by improper use or improper installation is not a defect; therefore repair, replacement or shipping of a damaged accessory will not be covered under this warranty. This limited warranty contains other provisions and conditions, so please refer to the Warranty Policy that was provided with your Saddlemen accessory, or visit www.saddlemen.com for additional information. You can count on Saddlemen's quality, innovation, service and style. If for any reason you are not satisfied with the performance of your Saddlemen product, please contact the Saddlemen support line at (310) 638-1222.

IS 400077 Turn Signal Relocator Dyna (Rev 1 03-2022)