

# INSTALLATION INSTRUCTIONS

## DRAG SPECIALTIES SADDLEBAG SUPPORTS FOR 91-12 DYNA MODELS P/N 3501-0258

### ATTENTION INSTALLER (IF OTHER THAN OWNER):

Please forward this Instruction Sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

**INTRODUCTION:** These instructions describe the procedure for properly installing the Drag Specialties Saddlebag supports for 1991 to 2012 Dyna models, except for 2010 to 2012 FXDWG with side-mounted license plate.

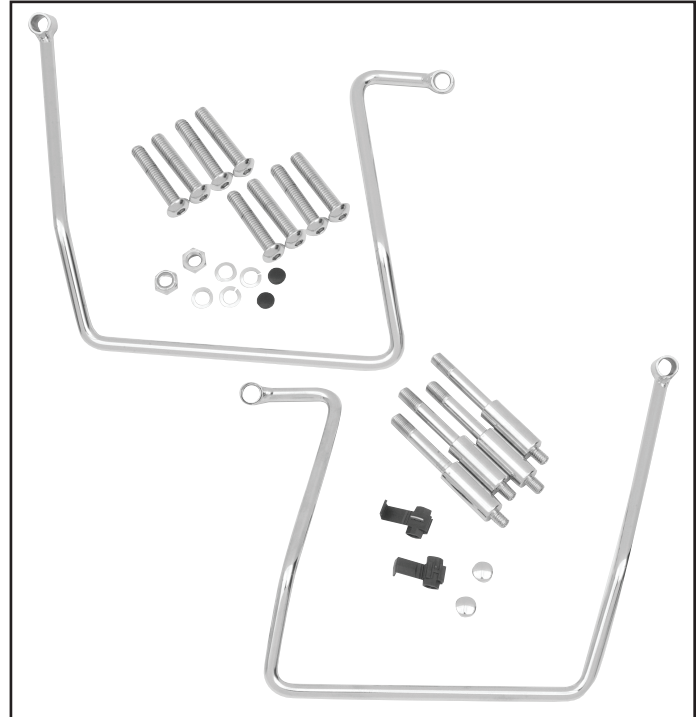
Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations.

**NOTE:** A NOTE provides key information to make procedures easier or clearer.

**CAUTION:** A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle and/or accessories.

**WARNING!:** A WARNING indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.



### TOOLS REQUIRED:

5/32" hex key	9/16" socket wrench
3/4" socket wrench	Bike lift (or equivalent)
7/32" hex key	3/4" combination wrench
#1 Phillips screwdriver	

### PROCEDURE:

**NOTE:** This saddlebag support bracket set includes eight 3/4"-16 button head screws of varying lengths. The correct length and number of screws to use is called out in the specific application for each model. Please read the instructions closely. This kit also contains four hollow turn signal mounting studs. Depending on your model year, you will use either the two 5/16"-24 fine threaded, or the two 5/16"-18 coarse threaded hollow studs. Compare the studs to the turn signals on your bike and use the studs that match the threads on your turn signal bodies.

**NOTE:** 1999 and later Dyna models feature a wiring terminal block located within the taillight. As another option to cutting the turn signal wiring on these models, you may remove the taillight lens, and unplug the turn signals from the terminal block. The wires may then be pulled out from the under side of the fender and the terminal connectors removed. Special tools may be required to remove the terminal connectors from the wiring ends. If you do cut any wiring, using solder and heat shrink tubing is preferred to the blue connectors included with the saddlebag support kit.

### FOR ALL MODELS

**NOTE:** On all models, install one side first and then repeat for the other side.

1. Remove seat and sissy bar (if fitted) on all models.

**WARNING!:** Disconnect the negative battery cable, to prevent short circuits, before performing any of the following steps.

### FOR 91-92 FXDB-S/FXDB-D/FXDC MODELS

1. Remove rear fender support bolt behind shock absorber.
2. Remove turn signal lens and bulb. Cut the wire inside the turn signal body about 3/4" away from where it enters the hollow stud.
3. Remove the complete turn signal from the strut and remove the original stud from the turn signal body.
4. Install the new hollow stud through the provided 5/16" lock washer into the turn signal body. Make sure that you are using the 5/16"-24 (fine) threaded stud.
5. Install turn signal with new stud through rear hole in Saddlebag Support and the strut using a new lock nut (provided) and the original flat washer.
6. Install provided 2 1/4" button head screw through front Support hole, strut and into the fender.
7. Locate turn signal wire inside fender and gently pull this wire toward the rear to get some additional wire to reconnect inside the turn signal body.
8. Feed the wire out through the hollow stud and reconnect to the wire inside the turn signal body using the provided wire connector. Wrap the connector with electrical tape and tuck connector into the space beside the bulb socket.
9. Reinstall the bulb and lens. Tighten all nuts and bolts to OEM specifications.

### FOR 93-01 FXD/FXDL MODELS

1. Remove first fender support bolt behind shock absorber.
2. Remove turn signal lens and bulb. Cut the wire inside the turn signal body about 3/4" away from where it exits the turn signal body.



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3. Remove the 3<sup>1</sup>/<sub>2</sub>" long bolt that holds the turn signal and support from inside the fender, to the strut. You may need to jack up the rear of the bike to be able to clear the tire.

**WARNING!:** Securely support the motorcycle so it cannot fall over.

4. Install the new hollow stud through the 5<sup>5</sup>/<sub>16</sub>" lock washer into the turn signal body. Make sure that you are using the 5<sup>5</sup>/<sub>16</sub>"-24 (fine) threaded stud.
5. Install provided chrome hole plug in second hole from the rear of the strut. Install the provided rubber plug into the wire exit hole in the turn signal body.
6. Install turn signal with new stud through rear hole in Saddlebag Support and the strut using a new lock nut (provided) and original flat washer.
7. Install provided 2<sup>1</sup>/<sub>4</sub>" button head screw through front Support hole, strut and into the fender.
8. Locate turn signal wire inside fender and gently pull this wire toward the rear to get some additional wire to reconnect inside the turn signal body.
9. Feed the wire out through the hollow stud and reconnect to the wire inside the turn signal body using the provided wire connector. Wrap the connector with electrical tape and tuck connector into the space beside the bulb and socket.
10. Reinstall the bulb and lens. Tighten all nuts and bolts to OEM specifications.

### FOR 02-05 FXD/FXDC/FXDL MODELS

1. Remove first fender support bolt behind shock absorber.
2. Remove turn signal lens and bulb. Cut the wire inside the turn signal body about 3<sup>3</sup>/<sub>4</sub>" away from where it exits the turn signal body.
3. Remove the 3<sup>1</sup>/<sub>2</sub>" long bolt that holds the turn signal and support from inside the fender, to the strut. You may need to jack up the rear of the bike to be able to clear the tire.

**WARNING!:** Securely support the motorcycle so it cannot fall over.

4. Install the new hollow stud through the provided 5<sup>5</sup>/<sub>16</sub>" lock washer into the turn signal body. Make sure that you are using the 5<sup>5</sup>/<sub>16</sub>"-18 (coarse) threaded stud.
5. Install provided chrome hole plug in second hole from the rear of the strut. Install the provided rubber plug into the wire exit hole in the turn signal body.
6. Install turn signal with new stud through rear hole in Saddlebag Support and the strut using a new lock nut (provided) and original flat washer.
7. Install provided 2<sup>1</sup>/<sub>4</sub>" button head screw through front Support hole, strut and into the fender.
8. Locate the turn signal wire inside fender and gently pull this wire toward the rear to get some additional wire to reconnect inside the turn signal body.
9. Feed the wire out through the hollow stud and reconnect to the wire inside the turn signal body using the provided wire connector. Wrap the connector with electrical tape and tuck connector into the space beside the bulb socket.
10. Reinstall the bulb and lens. Tighten all nuts and bolts to OEM specifications.

### FOR 06-12 FXD/FXDC/FXDB/FXDL MODELS

1. Remove first fender support bolt behind shock absorber.
2. Remove turn signal lens and bulb. Cut the wire inside the turn signal body about 3<sup>3</sup>/<sub>4</sub>" away from where it exits the turn signal body.

3. Remove the 3<sup>1</sup>/<sub>2</sub>" long bolt that holds the turn signal and support from inside the fender, to the strut. You may need to jack up the rear of the bike to be able to clear the tire.

**WARNING!:** Securely support the motorcycle so it cannot fall over.

4. Install the new hollow stud through the provided 5<sup>5</sup>/<sub>16</sub>" lockwasher into the turn signal body. Make sure that you are using the 5<sup>5</sup>/<sub>16</sub>"-18 (coarse) threaded stud.
5. Install provided chrome hole plug in second hole from the rear of the strut. Install the provided rubber plug into the wire exit hole in the turn signal body.
6. Install turn signal with new stud through rear hole in Saddlebag Support and the strut using a new lock nut (provided) and original flat washer.
7. Install provided 2" button head screw through front Support hole, strut and into the fender.

**WARNING!:** Use of incorrect length bolt may cause interference with the rear tire and could cause the tire to deflate when ridden, possibly causing loss of control of the motorcycle.

8. Locate turn signal wire inside fender and gently pull this wire toward the rear to get some additional wire to reconnect inside the turn signal body.
9. Feed the wire out through the hollow stud and reconnect to the wire inside the turn signal body using provided wire connector. Wrap the connector with electrical tape and tuck connector into the space beside the bulb socket.
10. Reinstall the bulb and lens. Tighten all nuts and bolts to OEM specifications.

### FOR 93-01 FXDWG MODELS

1. Lift rear of motorcycle, under the frame, with a jack until the rear wheel is just off the ground.

**WARNING!:** Securely support the motorcycle so it cannot fall over.

2. Remove first fender support bolt behind shock absorber. Remove last fender support bolt behind turn signal.
  3. Remove turn signal lens and bulb. Cut the wire inside the turn signal body about 3<sup>3</sup>/<sub>4</sub>" away from where it exits the turn signal body.
  4. Remove the 3<sup>1</sup>/<sub>2</sub>" long bolt that holds the turn signal and support from inside the fender, to the strut.
  5. Remove the shock and shock mounting stud, following instructions in the appropriate OEM Service Manual.
  6. Remove the strut from the frame.
  7. Reroute turn signal wire to inside of fender.
- CAUTION:** Check clearance from location of wiring inside fender to tire. Reroute if any contact is possible.
8. Loosely install strut to frame with the shock absorber stud. Reinstall shock.
  9. Install the new hollow stud through the provided 5<sup>5</sup>/<sub>16</sub>" lock washer into the turn signal body. Make sure that you are using the 5<sup>5</sup>/<sub>16</sub>"-24 (fine) threaded stud.
  10. Install provided chrome hole plug in the third hole from the rear of the strut.
  11. Install turn signal with the new stud through rear hole in the Saddlebag Support and the second hole from the rear of the strut using a new lock nut (provided) and original washer.
  12. Install provided 2<sup>1</sup>/<sub>4</sub>" button head screw through the front fender support hole, strut and into the fender.
  13. Install one of the original bolts through the rear hole of the strut into the fender.



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14. Locate the turn signal wire inside fender and gently pull this wire toward the rear to get some additional wire to reconnect to the wire inside the turn signal body.
15. Feed the wire out through the hollow stud and reconnect to the wire inside the turn signal body using the provided wire connector. Wrap the connector with electrical tape and tuck the connector into space behind the bulb socket.
16. Reinstall the bulb and lens. Tighten all nuts and bolts to OEM specifications. Torque shock absorber stud to 65 ft.-lb.

### FOR 02-05 FXDWG MODELS

1. Lift rear of motorcycle, under the frame, with a jack until the rear wheel is just off the ground.

**WARNING!** Securely support the motorcycle so it cannot fall over.

2. Remove first fender support bolt behind shock absorber. Remove last fender support bolt behind turn signal.
3. Remove turn signal lens and bulb. Cut the wire inside the turn signal body about 3/4" away from where it exits the turn signal body.
4. Remove the 3 1/2" long bolt that holds the turn signal and support from inside the fender, to the strut.
5. Remove the shock and shock mounting stud, following instructions in the appropriate OEM Service Manual.
6. Remove the strut from the frame.
7. Reroute turn signal wire to inside of fender.

**CAUTION:** Check clearance from location of wiring inside fender to tire. Reroute if any contact is possible.

8. Loosely install strut to frame with the shock absorber stud. Reinstall shock.
9. Install the new hollow stud through the provided 5/16" lock washer into the turn signal body. Make sure that you are using the 5/16"-18 (coarse) threaded stud.
10. Install provided chrome hole plug in the third hole from the rear of the strut.
11. Install turn signal with new stud through rear hole in the Saddlebag Support and the second hole from the rear of the strut using a new lock nut (provided) and original washer.
12. Install provided 2 1/4" button head screw through front Support hole, strut and into the fender.
13. Install one of the original bolts through the rear hole of the strut into the fender.
14. Locate turn signal wire inside fender and gently pull this wire toward the rear to get some additional wire to reconnect to the wire inside the turn signal body.
15. Feed the wire out through the hollow stud and reconnect to

the wire inside the turn signal body using the provided wire connector. Wrap the connector with electrical tape and tuck the connector into the space beside the bulb socket.

16. Reinstall the bulb and lens. Tighten all nuts and bolts to OEM specifications. Torque shock absorber to 65 ft.-lb.

### FOR 06-08 FXDWG MODELS

**NOTE:** On the 2006-08 FXDWG models, the turn signals are not relocated. Do not remove them. These saddlebag supports will not work on 2010-2012 FXDWG models due to the side-mounted license plate frame.

1. Remove the forward fender support bolt behind shock absorber. Remove rear fender support bolt ahead of the turn signal.
2. Install one of the provided 1 3/4" button head bolts through the support and then into the forward fender support mounting hole.

**WARNING!** Use of the incorrect length bolt may cause interference with the rear tire and could cause the tire to deflate when ridden, possibly causing loss of control of the motorcycle.

3. Install one of the provided 1 3/4" button head bolts along with the support through the rear hole of the strut into the fender.
4. Tighten all nuts and bolts to OEM specifications.

### FOR 08-12 FXDF MODELS

**NOTE:** On the 2008-12 FXDF models, the turn signals are not relocated. Do not remove them.

1. Remove the forward fender support bolt behind shock absorber. Remove rear fender support bolt ahead of the turn signal.
2. Install one of the provided 1 3/4" button head bolts through the support and then into the forward fender support mounting hole.

**WARNING!** Use of the incorrect length bolt may cause interference with the rear tire and could cause the tire to deflate when ridden, possibly causing loss of control of the motorcycle.

3. Install one of the provided 1 3/4" button head bolts along with the support through the rear hole of the strut into the fender.
4. Tighten all nuts and bolts to OEM specifications.

### PROCEDURE FOR ALL MODELS (CONTINUED):

2. Reconnect battery cable.
3. Test turn signals for proper operation.
4. Reinstall seat and sissy bar (if fitted).

**WARNING!** Before operating motorcycle, be sure all hardware is tight. Check for proper clearance between all installed hardware and the rear tire throughout the travel of the suspension.

