

# INSTALLATION INSTRUCTIONS

## DRAG SPECIALTIES SPRING SOLO MOUNTING KIT 1996-UP FXD, FXDWG, FLD DYNA MODELS

**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 a Drag Specialties Spring Solo mount kit onto 1996-Up Dyna Glide models. Review these 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.

### OVERVIEW:

Read these instructions carefully before starting. This kit has been designed to be used with Drag Specialties large and small spring Solo-style seats; 2" springs can be used (Drag Specialties PART #0820-0010). Scissor-style springs can be used if the lower mount hole on the spring is drilled out to 3/8" (Drag Specialties PART #0820-0041).

**WARNING!:** Your safety depends on the correct installation of this kit. If this installation is not within your capabilities, the installation should be done by a certified mechanic.

**NOTE:** On 1996-2005 models, it is required to drill two 3/8" holes through the frame. A template and further instructions are provided. **In reference to all year models**, it may be necessary to remove the battery and electrical caddy to access the bottom of the frame to install the two 3/8" Nylock hex nuts. Review your application thoroughly. Always refer to the service manual for the correct procedure.

### PROCEDURE: FRAME COVER AND REAR MOUNT

1. Begin by placing the bike on side stand.
2. Remove the stock seat from the bike.

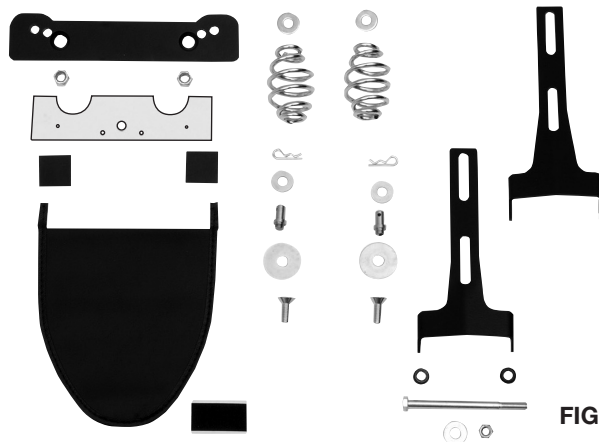


FIG. A

### MOUNTING HARDWARE INCLUDED (FIG. A)

DESCRIPTION	QTY.	PART#
a. Front mount seat hinge 1996-2003 Dyna (8 <sup>9</sup> / <sub>16</sub> " long)	1	438967
b. Front mount seat hinge 2004-up Dyna (7 <sup>13</sup> / <sub>16</sub> " long)	1	438968
c. Rear mount	1	438966
d. Rubber pad 1 <sup>1</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>8</sub> "	2	199780
e. Washer zinc 3/8" x 1 <sup>1</sup> / <sub>2</sub> "	2	420300
f. Spring mount studs	2	438965
g. Phillips flat head screw 3/8" x 16 x 1"	2	420518
h. Nylock Hex nut 3/8" x 16	2	420135
i. Flat washer 5/16"	5	420286
j. 3" Chrome spring	2	490032
k. Hairpin clip	2	490762
l. Step washer	2	438959
m. Template for 96-05 Dyna	1	010975
n. Hex bolt 5/16" x 18 x 4 <sup>1</sup> / <sub>2</sub> "	1	420450
o. Nylock hex nut 5/16"	1	420139
p. Frame cover	1	490811
q. 1" x 2" Pressure-sensitive hook	1	199780

### FOR 2006 AND LATER MODELS PROCEED TO STEP 4

3. On 1996-2005 models, position template over frame, aligning the three center holes and cutouts for the two down tubes (FIG. B). Center punch and drill the two outside holes to 3/8". These are the two holes that are 5" center to center.

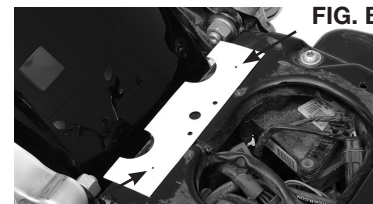


FIG. B

**CAUTION:** Before drilling, check under frame for wiring and any components. Remove to avoid damage.



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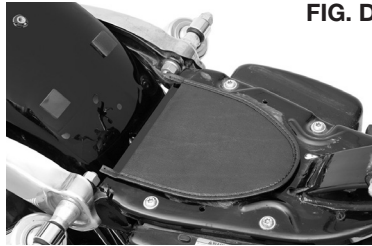
### PROCEDURE: INSTALLING FRAME COVER

4. Clean the three areas on the frame with a mixture of 1:1 water and isopropyl (or equivalent wax and grease remover). Remove the pressure-sensitive backing and install the 1" x 2" hook in the front and the two rubber pads in the rear, as shown (FIG. C).



See buyers note on page

5. Center the frame cover over the frame opening, securing loop in the front to the 1" x 2" hook previously installed (FIG. D).



### PROCEDURE: INSTALLING REAR FRAME MOUNT

**NOTE:** The rear frame-spring mount will be installed with the straight edge to the front and the two  $\frac{3}{8}$ " holes with the bevel side facing up. The rear of the frame cover will be secured under the rear mount.

**NOTE:** On your particular year model, it may be necessary to remove your battery or electrical caddy to access the hex nuts during installation.

6. With the frame cover in position, install the rear mount with the two flat head Phillips  $\frac{3}{8}$ " screws and Nylock hex nuts. A thread locker is recommended for this application. It will be necessary to carefully lift up on the front of the frame cover to perform this installation.

7. With the rear mount installed and using thread locker, mount the spring studs and fender washers. Use the inside holes for the small solo and the outside holes for the large solo. Temporarily place the hairpin in the stud upper hole and tighten (FIG. E).



### PROCEDURE: PREPARING YOUR SEAT

**NOTE:** Use the shorter seat hinge ( $7\frac{13}{16}$ " long) for 2004 and later model years and the longer hinge ( $8\frac{9}{16}$ " long) for 1996-2003.

8. Remove all hardware on the bottom of your new seat. Keep all nuts and washers; the front seat hinge will not be used. Install your new seat hinge using the  $\frac{5}{16}$ " flat washer, lock washer and hex nuts previously removed. Tighten so the bracket will slide with some resistance.

### FIG. C PROCEDURE: INSTALLING YOUR SEAT

9. Remove the rear fuel tank mounting screw, nut, washers and thread protector. This hardware will not be reused. Locate the two step-washers, placing them in the front seat mount, so the largest flange is to the inside of the mount.



Temporarily install the seat using the  $4\frac{1}{2}$ " bolt supplied **DO NOT INSTALL THE HEX NUT AT THIS TIME**. Adjust the seat, aligning the studs left to right and off-set the seat stud to the rear, approximately  $\frac{1}{2}$ " stud, as shown (FIG. F).

Remove the seat and tighten the front hinge to seat base at this time.

### PROCEDURE: INSTALLING REAR SEAT SPRINGS

10. Turn your seat over and lay it on a soft surface. Install the large fender washer previously removed, your new seat springs, flat washer, lock washer and hex nut onto seat studs.

**NOTE:** Align and turn the springs so they are parallel and leaning forward (to the front of the seat). Use a thin,  $\frac{1}{2}$ " wrench and tighten.

11. Temporarily reinstall your seat. Place a  $\frac{5}{16}$ " flat washer on the  $4\frac{1}{2}$ " bolt, install the seat by sliding the bolt through the hinge. Lift up slightly on the seat and flex the springs to align and slip over the lower mount studs.

**WARNING!:** Inspect all studs for correct length, considering compression and distance of travel. If there appears to be any interference of travel, remove springs, trim seat studs and reinstall.

12. Final installation. With all clearances confirmed, install one  $\frac{5}{16}$ " flat washer and hairpin on each stud. Install a  $\frac{5}{16}$ " flat washer and the  $\frac{5}{16}$ " Nylock nut on the  $4\frac{1}{2}$ " bolt and tighten.

13. Review the overall installation and procedures before riding. Always make periodic inspections before each ride.

