

# INSTALLATION INSTRUCTIONS

## DRAG SPECIALTIES FORWARD CONTROL RELOCATION KIT 1622-0496

**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 reduced-reach forward control relocation kit for 04-13 XL models.

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!:** (boxed and shaded) A **WARNING!:** Indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.

### PROCEDURE:

**NOTE:** This instruction sheet references service manual information. A service manual for your model motorcycle is recommended for this installation and is available from a Drag Specialties Dealer.

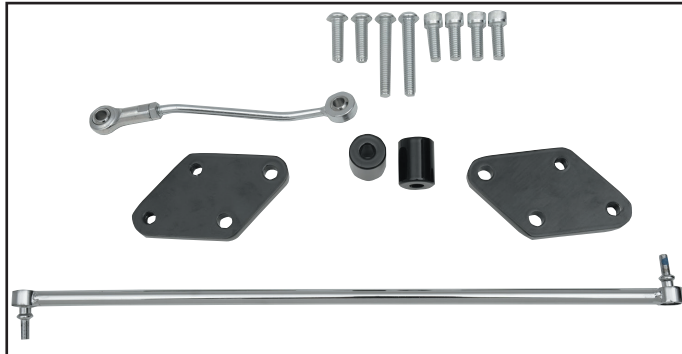
### INSTALLATION

#### Shifter Assembly

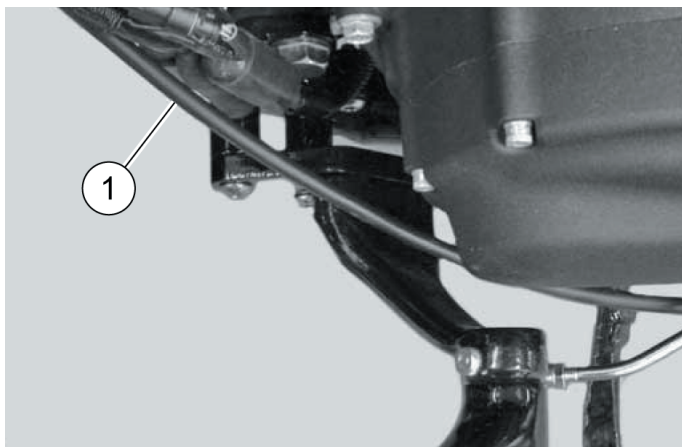
1. See the owner's manual about how to remove the main fuse.
2. See Figure 2. Remove two screws (D and E) and shift rod assembly (7). Save the mounting hardware for later installation.
3. Remove two stock screws (3) from the shifter bracket, leaving the shifter lever assembly and footpeg attached. Discard screws.

**NOTE:** See Figure 2. The reduced-reach plate (1) is installed between the shifter bracket (B) and frame.

4. Position the reduced-reach plate (1) on the frame where the shifter bracket was mounted with the tapped holes toward the rear. Place the two spacers (5) between the reduced-reach plate and the frame. Secure using two new screws (2) and tighten to 30-35 ft-lbs.
5. Install the shifter bracket (B) onto the reduced-reach plate using two new screws (3). Tighten to 30-35 ft-lbs.
6. If necessary, adjust shifter rod length as follows:
  - a. Loosen the jam nut on the shifter rod.
  - b. Turn the ball joint or shifter rod to adjust rod length. Temporarily attach ball joint to shifter lever assembly and check angle.
  - c. Adjust the length so that the foot shifter lever is at a 45 degree angle to the ground.



7. Install the shifter rod to the transmission shift lever and secure with screw (E). Tighten to 120-180 in-lb.
8. Install the shifter rod to the foot shift lever and secure with screw (D). Tighten to 120-180 in-lb.
9. See Figure 1. To prevent premature wear of the clutch cable (1), route the cable as shown.



**Figure 1. Clutch Cable Routing**

**NOTE:** After all shifter components are installed, move shifter through entire range of motion and check for interference with other components. The length of shift rod can be adjusted for clearance to primary case.

#### Brake Pedal and Linkage Assembly

1. See Figure 2. Loosen the ball stud screws and remove the stock brake rod (6). Discard brake rod and save mounting hardware for later installation.
2. Remove the two stock screws (3), J-clip (C) and the right-side brake pedal bracket (A) and brake pedal as an assembly.

**NOTE:** The reduced-reach plate (3) is installed between the brake pedal bracket (A) and the J-clip (C).



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3. Install the reduced-reach plate (1) to the frame as follows:
  - a. Turn the J-clip (C) over, so that when it is installed on the frame, the wire retaining portion of the J-clip is on the inboard side of the motorcycle. Position the J-clip in the original mounting location.
  - b. Position the reduced-reach plate (1) on the frame with the two tapped holes toward the rear.
  - c. Secure using screw (4) in the lower hole and align the upper hole with the threaded hole in the frame. Tighten to 45-50 ft-lbs.
4. Fasten the brake pedal bracket (A) with assembled brake pedal to the frame and reduced-reach plate (1) using screws (3). Tighten the screws to 45-50 ft-lbs.
5. See Figure 2. Apply two drops of thread adhesive (blue) to threads of both brake rod ball stud screws.
6. Thread one end of brake rod (6) into master cylinder bell crank. Tighten to 120-180 in-lb.
7. Thread other end of brake rod (6) into brake pedal. Tighten to 120-180 in-lb.
8. See the owner's manual and install the main fuse.
9. Test brakes for proper operation before riding vehicle.

**WARNING!:** Before operating motorcycle, be sure all hardware is tight.

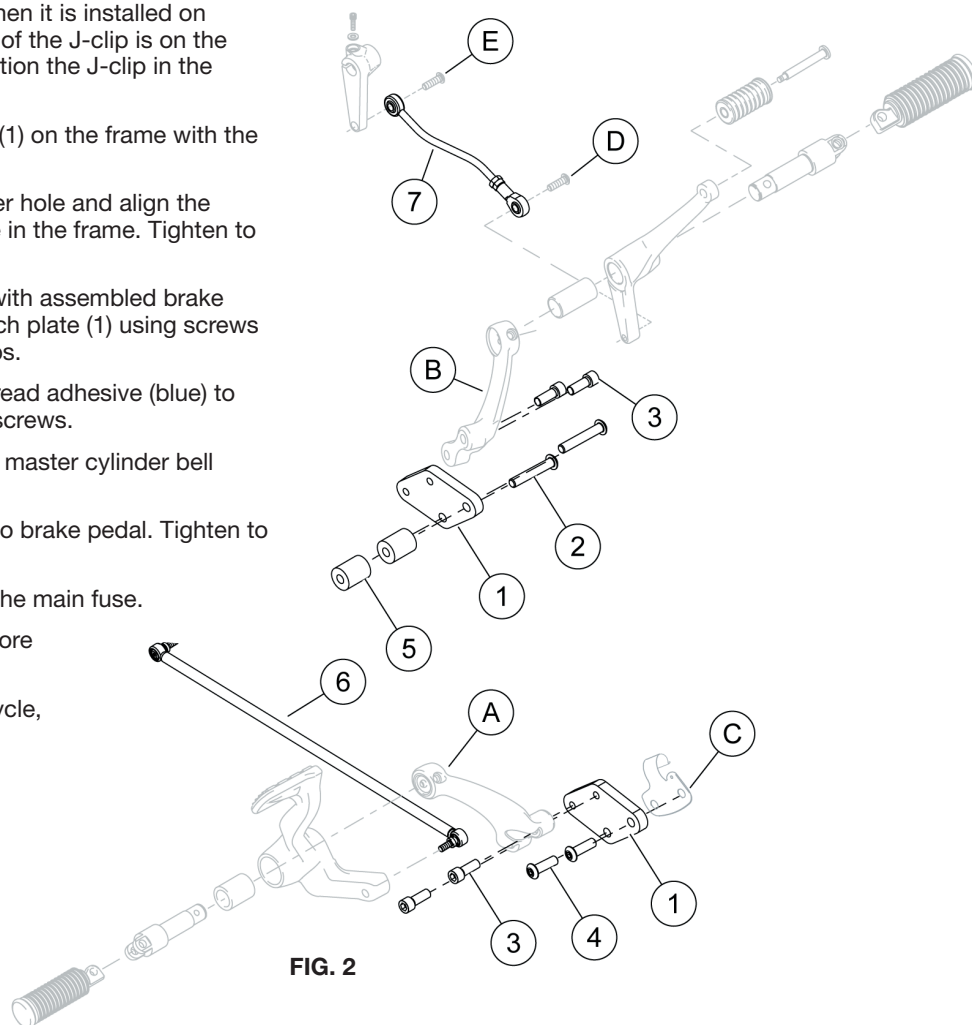


FIG. 2

Item	Description (Quantity)
1	Plate, reduced-reach (2)
2	Button-head screw, 3/8-16 x 2-1/4 in (2)
3	Socket-head screw, 3/8-16 x 1 in (4)
4	Button-head screw, 3/8-16 x 1-1/4 in (2)
5	Spacer (2)
6	Brake rod
7	Shifter rod assembly
Items not included in kit:	
A	Brake pedal bracket
B	Shifter bracket
C	J-clip
D	Button-head screw, 5/16-18 X 1 in
E	Button-head screw, 5/16-18 X 7/8 in

