



INSTRUCTIONS

-J04006

REV. 2008-05-05

SPORTSTER FORWARD CONTROL KITS

GENERAL

Kit Number

33398-06, 33395-06, 33397-07

Models

For model fitment information, please see the P&A Retail Catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

Additional Parts Required

⚠ WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.

Kit Contents

See Figure 5, Figure 6 and Table 1.

REMOVAL

Remove Stock Shift Lever and Footrest Assembly

1. See Figure 1. Loosen the shift lever retaining screw (2) securing the shift lever (1) to the shifter shaft. Slide the shift lever off the splined shaft. Remove shifter peg from lever and save for installation. Discard shift lever.
2. Remove the two socket head screws (4) securing the footrest bracket (3) to the frame and remove footrest. Discard screws.
3. See Figure 6. Obtain two hole plugs (1) from kit and firmly press plugs into frame screw holes remaining from footrest removal.
4. See Figure 2. Remove the retaining ring (1) from the clevis to free the footrest clevis pin (4). Remove the clevis pin and footrest (3) from the footrest support. Save footrest for installation. Discard retaining ring, clevis pin, spring washer and footrest bracket.

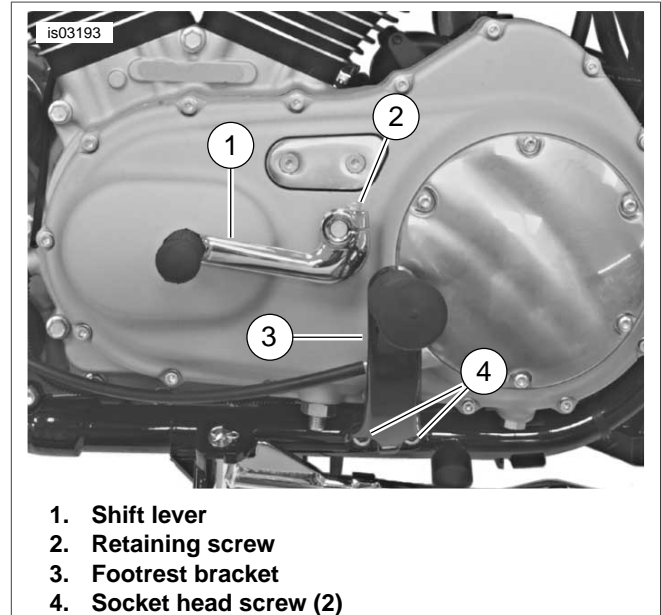


Figure 1. Remove Shift Lever and Footrest

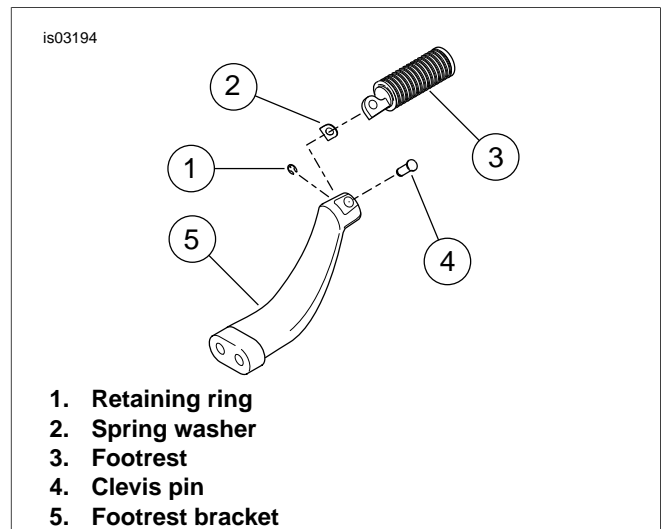


Figure 2. Remove Left Footrest from Support

Remove Stock Brake Pedal and Footrest Assembly

1. See Figure 3. At the right footrest, remove the retaining ring (1) clevis pin (2), footrest (3) and spring washer (4). Discard all hardware but save footrest for installation.
2. Remove the exhaust to access the brake rod. Follow the instructions in the appropriate Service Manual.
3. Remove brake rod (5) from brake pedal and master cylinder bell crank. Discard brake rod.

- Remove the two screws (6) and right footrest/brake pedal support bracket with attached brake assembly from frame. Discard footrest support bracket and entire brake pedal assembly.
- See Figure 5 and Figure 6. Obtain hole plugs (1) and install in holes left from support bracket removal.

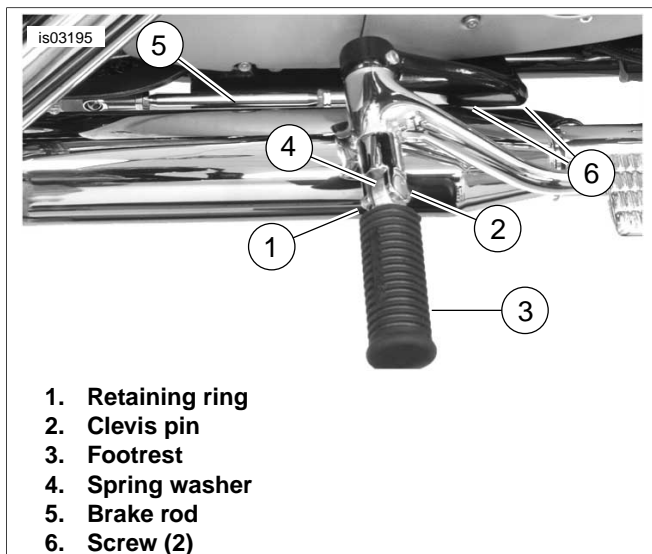


Figure 3. Remove Footrest Support Pedal and Brake Pedal

INSTALLATION

Install Forward Control Brake Pedal and Footrest Assemblies

- See Figure 5 and Figure 6. At the lower front of the right frame downtube, remove the two screws securing the J-clip (B) to the frame. Discard the screws but save J-clip for installation.
- Install the other end of the brake rod into the brake pedal assembly (8). Tighten to 84-144 **in-lbs** (9.5-16.3 Nm).

NOTE

Assemble the brake pedal and footpeg clevis onto the footrest support bracket (as described in the next step) prior to mounting the support bracket to the frame. This will allow easier installation of the footrest mount clevis retaining ring (installed to grooved end of footrest mount clevis).

- Slide the brake pedal (8) onto footrest mount clevis (11) then slide clevis into footrest/brake pedal support bracket (9). Align hole in the clevis with hole in the support bracket and install screw (6). Tighten the screw to 18-22 ft-lbs (24.4-29.9 Nm).
- Install the footrest mount clevis retaining ring (18) to the groove at the end of the footpeg clevis.
- Position the J-clip (from Step 1) against the frame aligning the mounting holes. Mount the footrest/brake pedal support bracket (9) and J-clip to frame using the **new** screws (3). Tighten the bracket to 45-50 ft-lbs (61.1- 67.9 Nm).
- Obtain the brake rod (15) from kit and thread one end into the master cylinder bell crank. Tighten to 120-180 **in-lbs** (13.6-20.3 Nm).
- Install footpeg on clevis with spring washer (2). Make sure spring washer is positioned inside clevis (11) with the

square edge toward the inside. Align holes and push clevis pin (7) from top down through hole in clevis. Secure clevis pin using the **new** retaining ring (17).

- Install exhaust following the instructions in the appropriate Service Manual.

Install Forward Control Shift Lever Assembly

- See Figure 5. Obtain shift link arm (13) and screw (6) from kit. Orient shift link arm pointing straight down and slide onto shift shaft (exiting engine side cover). Install screw (6) and tighten to 8-13 ft-lbs (11-18 Nm).
- Mount footrest/shift pedal support bracket (10) to frame using screws (3). Tighten to 45-50 ft-lbs (61.1-67.9 Nm).
- Slide shift pedal (14) onto clevis (12). Mount clevis on footrest/shift pedal support bracket (10). Align hole in clevis with hole in support bracket and secure using screw (6). Tighten screw to 18-22 ft-lbs (24.4-29.9 Nm).
- Install retaining ring (18) to the relief at the end of the clevis (12) to further secure it in place.
- Install screw (4) in far end of the shift rod (16) and into shifter arm (13). Tighten to 120-180 **in-lbs** (13.6-20.3 Nm).
- Install screw (5) in opposite end of shift rod (16) into shift lever (14). Tighten to 120-180 **in-lbs** (13.6-20.3 Nm).
- Install shifter peg into **new** shift lever. Tighten securely.
- Install footpeg on clevis (12) with spring washer (2). Make sure spring washer is positioned inside clevis with the square edge toward the inside. Align holes and push clevis pin (7) from top down through hole in clevis. Secure clevis pin using the **new** retaining ring (17).

Adjusting Shift Lever

If the gears do not engage fully or the toe shifter travel is incorrect, the shift linkage must be adjusted. See Figure 4. Adjust the shift rod until the shift pedal is at 45 degrees as described.

- See Figure 4. Remove screw (1) securing the ball joint (2) to shift pedal (5).
- Turn ball joint or shift rod (4) to adjust rod length. Temporarily attach ball joint to shift pedal and check pedal angle. Make sure an equal number of threads are visible on both ends of shift rod.
- When pedal angle is at 45 degrees, install screw (1). Tighten to 120-180 **in-lbs** (13.6-20.3 Nm).
- Holding shift rod (4) so that it does not turn, tighten lock-nuts (3) on each end securely.

SERVICE PARTS

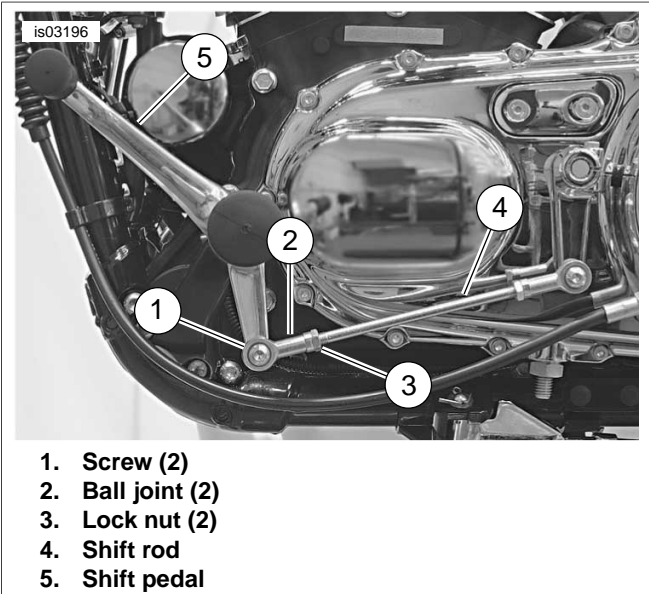


Figure 4. Adjusting Shift Pedal

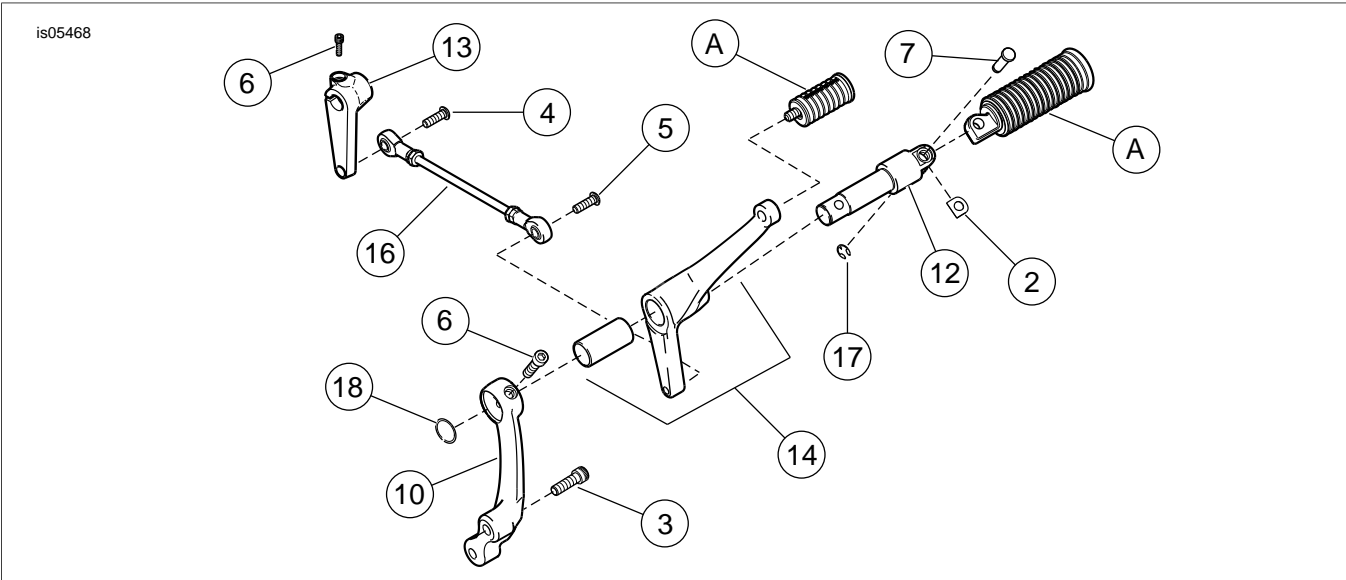


Figure 5. Service Parts: Forward Control, Left (Shift) Side

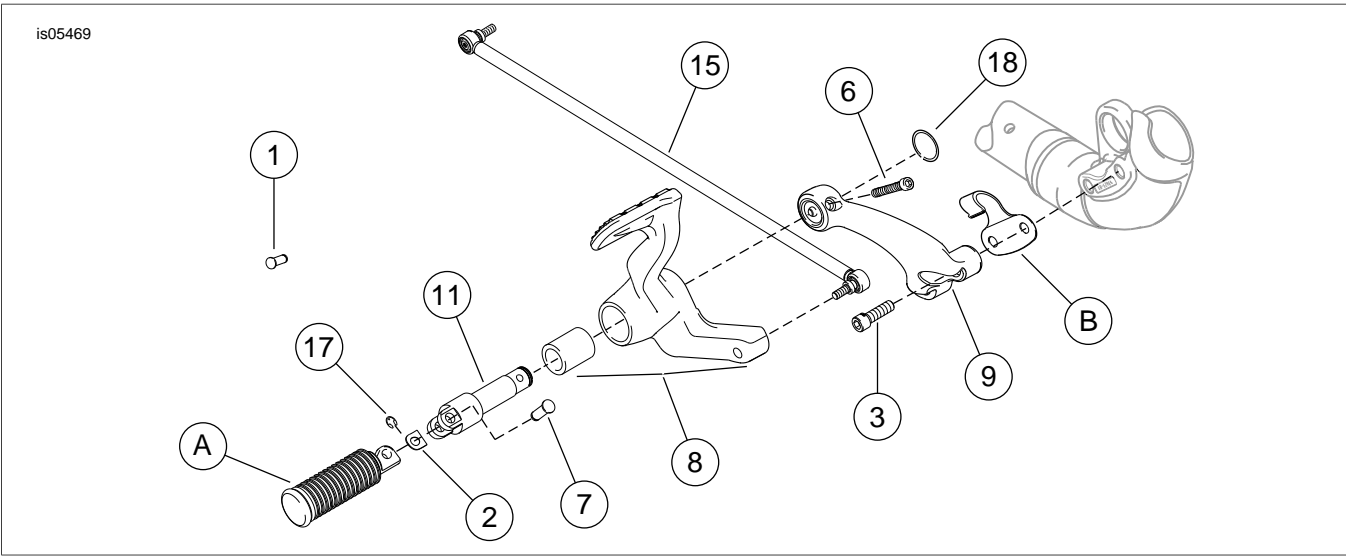


Figure 6. Service Parts: Forward Control, Right (Brake) Side

Table 1. Service Parts Table

Item	Description (Quantity)	Part Number
1	Plug, hole (4)	740
2	Washer, footpeg spring (2)	50912-72
3	Screw, 3/8-16 x 1-1/4 inch (4)	4748
4	Screw, 5/16-18 x 7/8 inch	4359
5	Screw, hex button (lock) 5/16-18 x 1 inch	4016
6	Screw, hex socket 5/16-18 x 1-1/4 inch (3)	3210A
7	Pin, footpeg clevis (2)	45041-01
8	Assembly, brake pedal, chrome	42707-04
	Assembly, brake pedal, polished	42685-04
	Assembly, brake pedal, black	42649-07
9	Bracket, right rider footpeg support, chrome	42707-04
	Bracket, right rider footpeg support, polished	42652-04
	Bracket, right rider footpeg support, black	42652-04
10	Bracket, left rider footpeg support, chrome	42706-04
	Bracket, left rider footpeg support, polished	42651-04
	Bracket, left rider footpeg support, black	42651-04
11	Clevis footpeg right, chrome	42566-04
	Clevis footpeg right, black	42504-07
12	Clevis footpeg left, chrome	42541-04
	Clevis footpeg left, black	42503-07
13	Lever, shift shaft arm, chrome	34670-06
	Lever, shift shaft arm, black	34614-07
14	Assembly, shift lever, chrome	34650-04
	Assembly, shift lever, polished	34572-04
	Assembly, shift lever, black	34636-07
15	Assembly, brake rod	34581-04
	Assembly, brake rod, black	42645-07
16	Assembly, shift rod link	34573-04
	Assembly, shift rod link, black	34577-07
17	Ring, footpeg clevis pin retaining (2)	11304
18	Ring, footrest mount clevis retaining (2)	11390
Items mentioned in text, but not included in kit:		
A	Stock footrest	
B	Stock J-clip	