



INSTRUCTIONS

94100002

2019-10-10



SOFTAIL FORWARD CONTROLS KIT BLACK

GENERAL

Kit Number

50700060

Models

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

⚠ WARNING

Rider and passenger safety depend upon the correct installation of this kit. 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. (00308b)

⚠ WARNING

Brakes are a critical safety component. Contact a Harley-Davidson dealer for brake repair or replacement. Improperly serviced brakes can adversely affect brake performance, which could result in death or serious injury. (00054a)

Installation Requirements

LOCTITE 243 MEDIUM STRENGTH THREADLOCKER AND SEALANT (BLUE) (99642-97)

E-CLIP TOOL (PART NUMBER: HD-52369)

Kit Contents

See Figure 11 and Table 1.

LEFT SIDE

Disassemble Left Side

1. See Figure 6. Remove footpeg from foot support bracket. Retain footpeg, E-clip, clevis pin, and torsion spring for later use.

- a. Remove E-clip (3).

Special Tool: E-CLIP TOOL (HD-52369)

NOTE

When removing E-clip, use E-clip tool to prevent damage to painted surfaces.

- b. Remove clevis pin (1).
- c. Remove footpeg (4).

- d. Remove torsion spring (2).

2. See Figure 1. Remove the left mid foot support bracket (3).

- a. Remove screws (2).

- b. Remove foot support bracket.

3. Remove and discard plastic plug (1) if present.

4. See Figure 2. Remove shifter assembly.

- a. Remove screw (5) to free shifter rod (4) from rear shifter rod lever (3).

- b. Remove pinch screw (1) from front shifter rod lever (2).

- c. Pull foot shift lever (6) and shaft (8) outward until front shifter rod lever (2) is free.

- d. Remove front shifter rod lever and shifter rod.

- e. Remove foot shift lever, shaft and spacer (8).

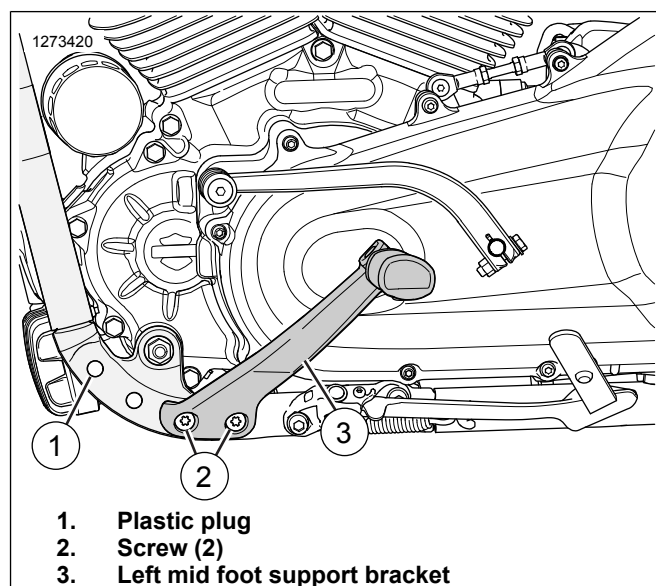
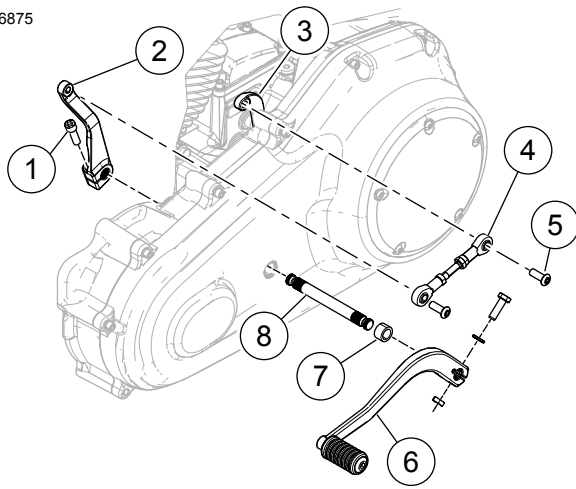


Figure 1. Left Mid Foot Support Bracket



1. Pinch screw
2. Shifter rod lever, front
3. Shifter rod lever, rear
4. Shifter rod
5. Screw
6. Foot shift lever
7. Spacer
8. Shaft

Figure 2. Shift Linkage: Mid-Mount Foot Control Models

Pre-Assemble Left Side Kit Components

1. See Figure 3. Install footpeg to foot support bracket.
 - a. Insert short leg of torsion spring (3) into hole in footpeg (1).
 - b. Insert long leg of torsion spring into hole in left foot support bracket (10).

c. Rotate footpeg into position and install clevis pin (2).

d. Install E-clip (14).

Special Tool: E-CLIP TOOL (HD-52369)

NOTE

When installing E-clip, use E-clip tool to prevent damage to painted surfaces.

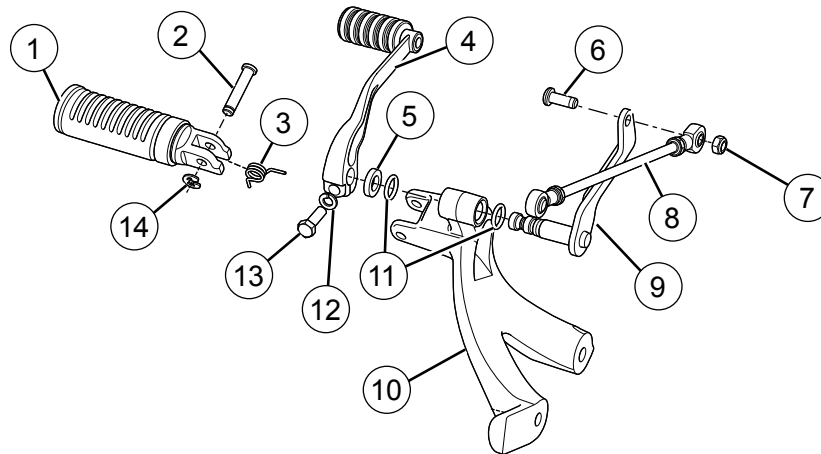
2. Install shifter assembly to foot support bracket.

- a. Install first small O-ring (11) onto shaft of shift rod lever (9).
- b. Install shift rod lever through hole in left foot support bracket (10).
- c. Install second small O-ring (11) onto shaft of shift rod lever.
- d. Install nylon washer (5) onto shaft of shift rod lever.
- e. See Figure 4. Align shift lever with shift rod lever at an angle of 65–75°.
- f. See Figure 3. Install shift lever (4) onto shift rod lever.
- g. Install lock washer (12) and screw (13). Tighten.
Torque: 24.4–29.8 N·m (18–22 ft-lbs) *Shift lever pinch screw*
- h. Install shifter linkage rod (8) to shift rod lever (9).

Torque: 24.4–29.8 N·m (18–22 ft-lbs) *Shift lever pinch screw*

i. Install screw (6) and nut (7). Tighten.

Torque: 13.5–19 N·m (120–170 **in-lbs**) *Shifter rod screw*



1. Left footpeg
2. Footpeg clevis pin
3. Footpeg torsion spring
4. Shift lever sub-assembly
5. Nylon washer
6. Screw
7. Nut
8. Shifter linkage rod
9. Shift rod lever
10. Left foot support bracket
11. O-ring - small (2)
12. Lock washer
13. Screw
14. E-clip

Figure 3. Left Side Pre-Assemble

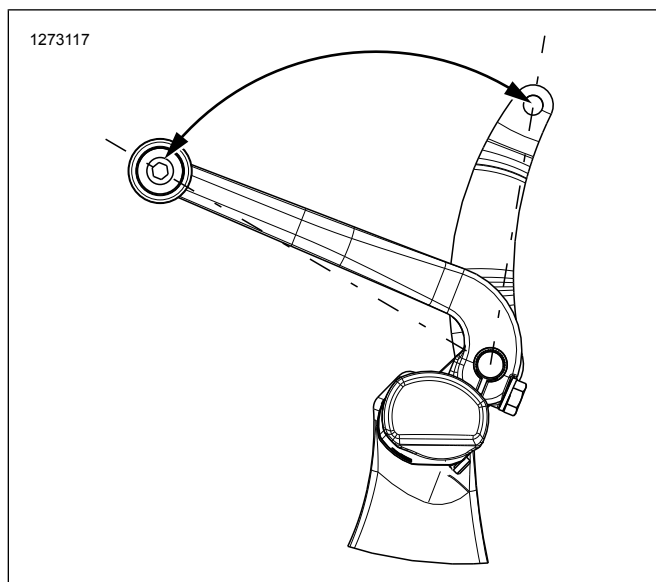


Figure 4. Shift lever assembly angle

Installation Left Side

1. Install left foot support assembly.
 - a. See Figure 11. Select left foot support bracket assembly and screws (12) from kit.
 - b. See Figure 5. Apply threadlocker to screws (6).
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(99642-97)
 - c. Install left foot support assembly (5).
 - d. Install screws (6). Tighten.
Torque: 54–61 N·m (40–45 ft-lbs) *Left-hand foot support screws*
2. Install plug (4) into shifter shaft hole in primary cover.
3. Install shifter linkage.
 - a. Install shifter linkage rod (1) to rear shifter rod lever (3) with screw (2). Tighten.
Torque: 13.5–19 N·m (120–170 **in-lbs**) *Shifter rod screw*
 - b. Adjust shifter rod ends (7) for rider posture and tighten jam nuts (8).
Torque: 9–13.5 N·m (80–120 **in-lbs**) *Shifter rod jam nuts*

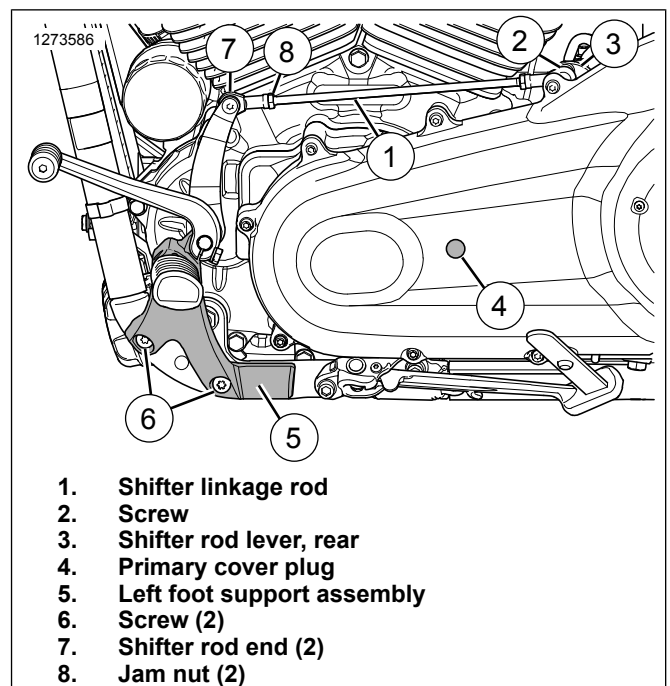


Figure 5. Left side forward controls

RIGHT SIDE

Disassemble Right Side

1. See Figure 6. Remove footpeg from foot support bracket. Retain footpeg, E-clip, clevis pin, and torsion spring for later use.

NOTE

When removing E-clip, use E-clip tool to prevent damage to painted surfaces.

- a. Remove E-clip (3).
Special Tool: E-CLIP TOOL (HD-52369)
- b. Remove clevis pin (1).
- c. Remove footpeg (4).
- d. Remove torsion spring (2).
2. See Figure 7. Remove right side foot support bracket.
 - a. Remove front linkage screw (2).
 - b. Remove screws (7).
 - c. Remove foot support bracket (1).
3. Remove rear master cylinder from bracket.
 - a. See Figure 8. Remove cotter circle (1).
 - b. Remove clevis pin (2).
 - c. See Figure 7. Remove screws (4).
 - d. Support rear brake master cylinder (3).

4. Remove brake pedal bracket.

- a. Remove screw (5).
- b. Remove brake pedal bracket (6).

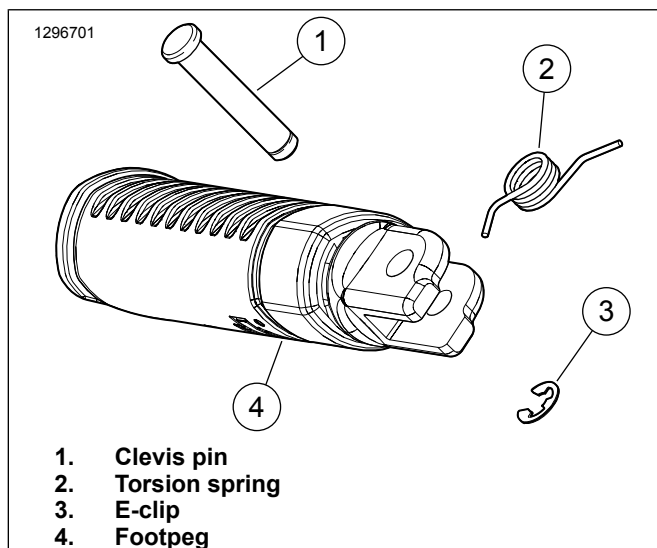


Figure 6. Rider Footpeg (Typical)

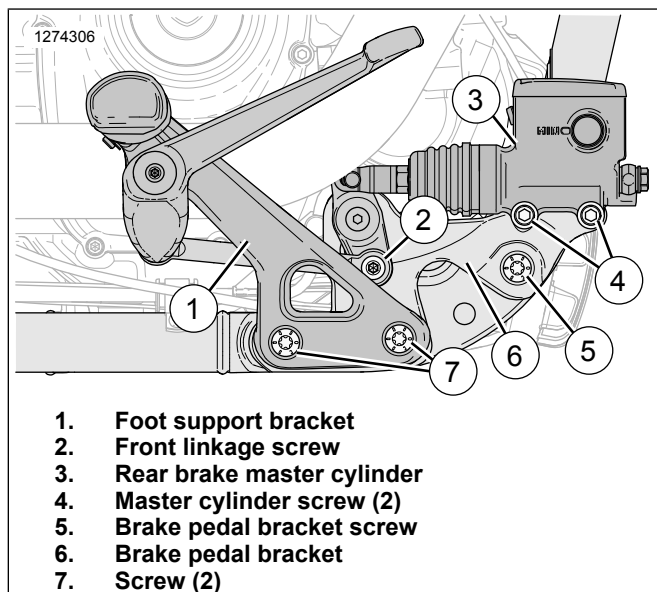


Figure 7. Right Side Mid Controls

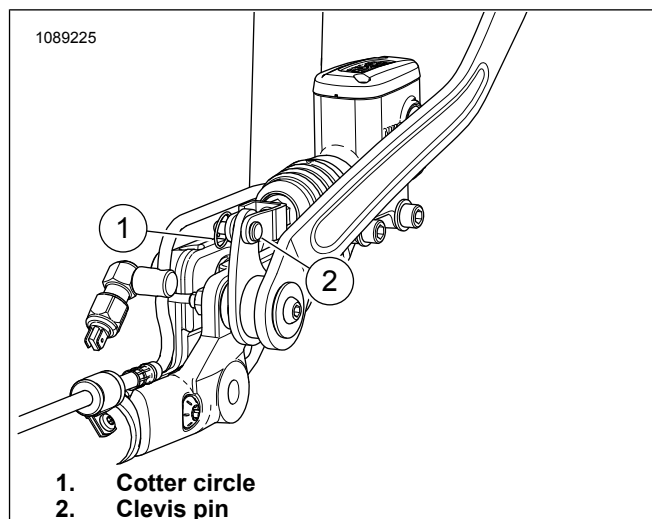


Figure 8. Rear Master Cylinder - Rear View: (exhaust remove for clarity)

Pre-Assemble Right Side Kit Components

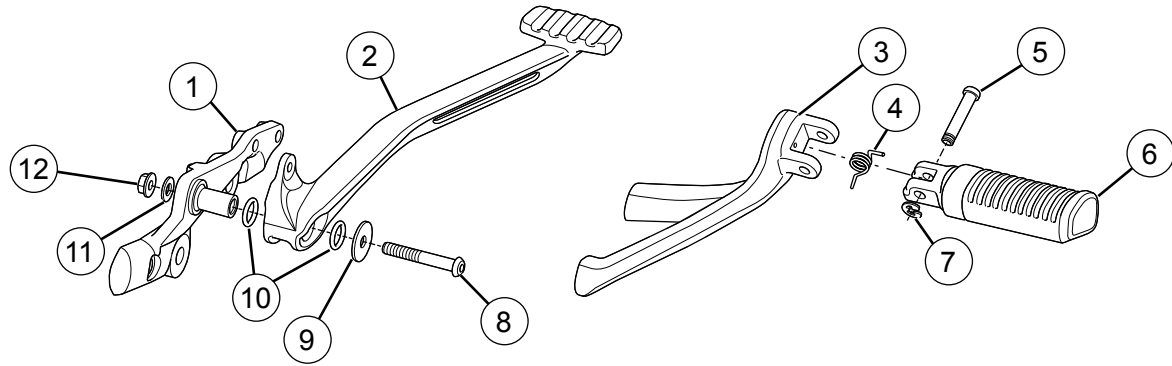
1. See Figure 9. Install footpeg to foot support bracket.
 - a. Insert short leg of torsion spring (4) into hole in footpeg (6).
 - b. Insert long leg of torsion spring into hole in right foot support bracket (3).
 - c. Rotate footpeg into position and install clevis pin (5).
 - d. Install E-clip (7).

Special Tool: E-CLIP TOOL (HD-52369)

NOTE

When installing E-clip, use E-clip tool to prevent damage to painted surfaces.

2. Assemble brake pedal.
 - a. Install first large O-ring (10) onto brake pedal mounting bracket (1).
 - b. Install brake pedal (2) onto mounting bracket.
 - c. Install second large O-ring (10) onto brake pedal mounting bracket.
 - d. Install screw (8) and large washer (9).
 - e. Install small washer (11) and nut (12). Tighten.
- Torque: 24.4–29.8 N·m (18–22 ft-lbs) *Brake pedal pivot screw*



1. Brake pedal bracket
2. Brake pedal - Black
3. Right foot support bracket
4. Footpeg torsion spring
5. Footpeg clevis pin
6. Right footpeg

7. E-clip
8. Screw
9. Washer - large
10. O-ring - large (2)
11. Washer - small
12. Nut

Figure 9. Right Side Pre-Assemble

Installation Right Side

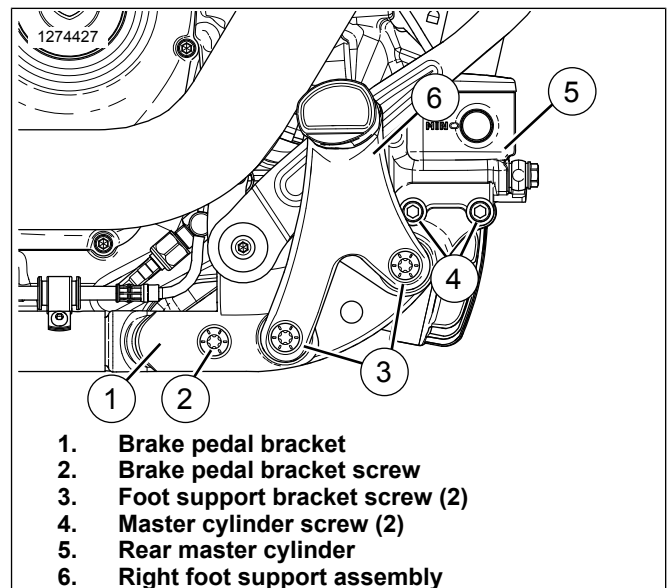
1. See Figure 11. Select the brake pedal bracket assembly and screw (23) from kit.
2. See Figure 10 Install brake pedal mounting bracket.
 - a. Apply threadlocker to screw (2).
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(99642-97)
 - b. Install brake pedal bracket (1).
 - c. Install screw (2). Hand tighten.
3. Install rear master cylinder to brake pedal mounting bracket.
 - a. Install rear master cylinder (5).

NOTE

Verify that the brake pedal link is between the master cylinder yoke when placing the master cylinder into place.

- b. See Figure 8. Install clevis pin (2).
- c. Install cotter circle (1).
- d. See Figure 10. Install screws (4). Tighten.
Torque: 24–30 N·m (18–22 ft-lbs) *Rear master cylinder mounting screws*
4. Install right foot support assembly.
 - a. See Figure 11. Select right foot support bracket assembly and screws (9) from kit.

- b. See Figure 10. Apply threadlocker to screws (3).
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- c. Install right foot support assembly (6).
- d. Install screws (3).
- e. Tighten screws (2 and 3).
Torque: 54–61 N·m (40–45 ft-lbs) *Right foot support screws*



1. Brake pedal bracket
2. Brake pedal bracket screw
3. Foot support bracket screw (2)
4. Master cylinder screw (2)
5. Rear master cylinder
6. Right foot support assembly

Figure 10. Right Foot Support Bracket

Service Parts

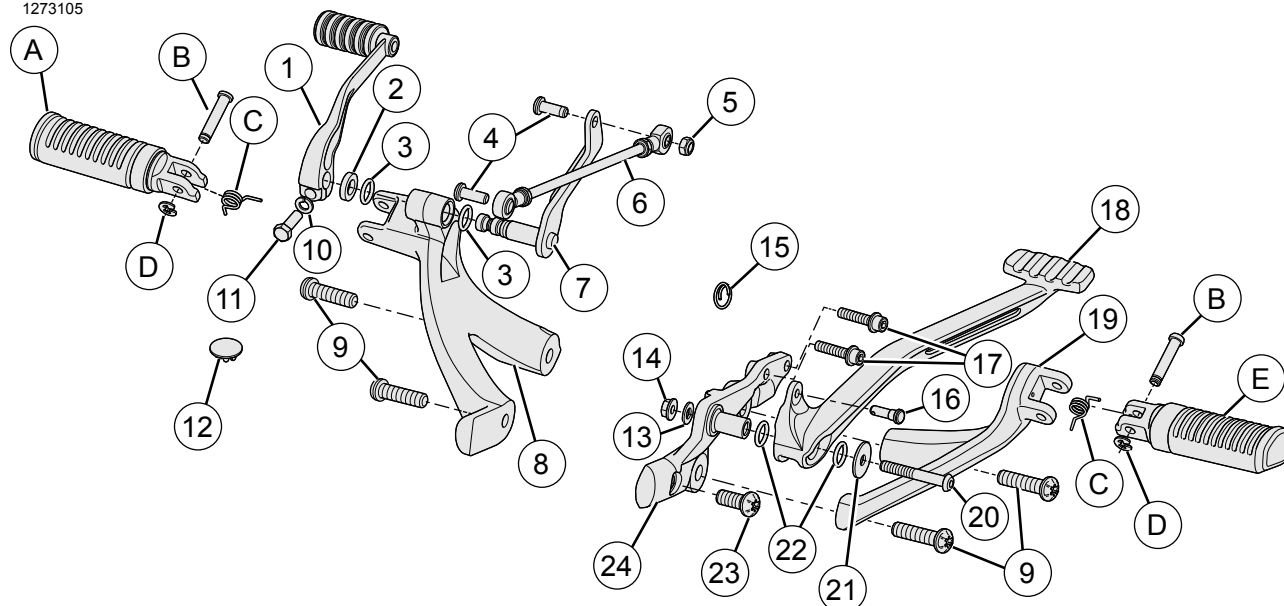


Figure 11. Service Parts: Forward Controls Kit - Black

Table 1. Service Parts

Item	Bag ⁹	Description (Quantity)	Part Number	Item	Bag ⁹	Description (Quantity)	Part Number
1	A	Shift lever sub-assembly	33600211	13	B	Washer - small	6702
2	A	Nylon washer	6057	14	B	Flange nut	7531
3	A	O-ring - small (2)	11191	15	B	Cotter circle	51938-04
4	A	Socket head button screw (2)	4387	16	B	Rear brake clevis pin	42460-80B
5	A	Lock nut	7727	17	B	Screw (2)	10500022
6	A	Shifter linkage rod	33600123	18	B	Brake pedal - Black	50600329
7	A	Shift rod lever	33600132	19	B	Right foot support bracket	50500746
8	A	Left foot support bracket	33600134	20	B	Button head torx screw 2.25 inch	10200851
9	C	Cap screw, button head, 3/8-16 X 1.62 inch (4)	10200536	21	B	Washer	6237
10	A	Lock washer	7041	22	B	O-Ring - large (2)	11364
11	A	Hex head screw	4017	23	B	Cap screw, button head, 3/8-16 X 1 inch	4512A
12	A	Primary cover plug	25701148	24	B	Brake pedal bracket	50600206
Items mentioned in text, but not included in kit:							
A		Left footpeg	50501107	D		E-clip (2)	50500701
B		Footpeg clevis pin (2)	50500702	E		Right footpeg	50501106
C		Footpeg torsion spring (2)	50500703				

(1) The contents of bag A will be used for left side assemblies, bag B will be used for right side assemblies and bag C will be used for both left and right sides.