V-Twin Mfg. FXD FOOTBOARD KIT For use on 1996-up FXD Models VT No. 27-0920

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

FXD FOOTBOARD KIT - The V-Twin FXD Footboard Kit is designed for use on all 1996-up FXD models and includes all parts required to upgrade your mid or forward controls to touring style footboards for rider comfort.

Installation

Shifter Assembly (Left side)

- 1. Remove highway footrest assembly and or forward controls depending on model. Discard bracket, plate and mounting hardware.
- 2. Remove stock footrest assembly.
- 3. Remove stock shift lever and shifter rod.
- 4. On models with mid controls loosen the left rear crankcase bolt (at bottom of cylinder) and slide the slotted end of shift lever retainer bracket (10) under the head of the bolt. Do not tighten bolt at this time. **Note:** There are two different brackets included in this kit. The 21-0768 is for use on 2006-09 models and the 21-0766 is for use on 1996-05 models. Bracket 21-0768 is shown in photo # 3 below.
- 5. Bolt mid shift lever retainer bracket (10 or 2 depending on model year) to the stock shift lever with bolt (1). On 2006 and later models the bolt will have to come in from the right side. On 2005 and earlier models it will go in from the left side. Be sure to use blue loctite. Note the difference in bracket orientation for Evolution and Twin-Cam 88 models. Tighten crankcase bolt to 15-17 ft-lbs.
- 6. Place chrome shaft cover (11) over shifter shaft (for use on models with mid controls) and secure with set screw (4).
- 7. Place small wave washer (12) on shift lever shaft (6) between shift lever and footboard-shift bracket (19). Coat shaft with Anti-seize and slide into bracket (19).
- 8. Install footboard-shift bracket (19) using bolts (3) and washer (27). Tighten screws to 25-30 ft-lbs.
- 9. Place shift rod (7) in position. Use long stud on shift rod to secure shift rod at the transmission end. Use blue Loctite on stud before installing.
- 10. Insert the other end of the shifter rod (short stud) through shift lever. Install washer (26) and acorn nut (30) and secure. Use blue Loctite on stud before installing.
- 11. Install heal toe shift lever (8). Tighten retaining bolt (16).
- 12. Install shifter pegs (10) onto heal toe shifter lever. Use Red loctite on shift peg studs.
- 13. Mount Left rear footboard bracket (20) to frame using supplied hardware (3 & 27). See photo # 2 below. Tighten bolts to 25-30 ft-lbs.
- Install footboard using supplied hardware (22 & 29).



Photo #1



Photo # 2

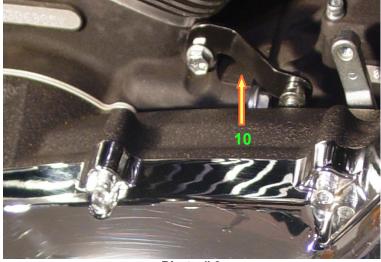


Photo #3

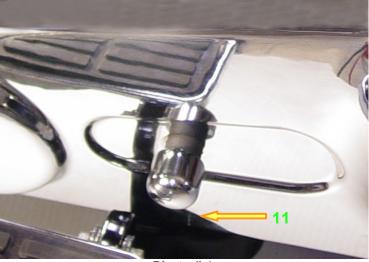
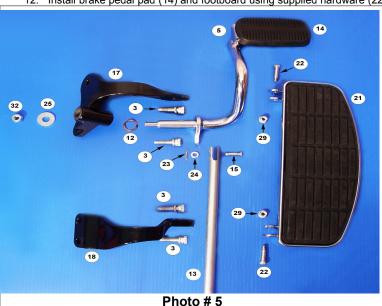


Photo #4

Rear Brake Assembly (Right side)

- 1. Remove highway footrest assembly and or forward controls depending on model. Discard bracket, plate and mounting hardware.
- 2. Remove bolts from stock footrest assembly.
- 3. Loosen brake rod jam nut at master cylinder piston.
- 4. Unscrew master cylinder piston from stock brake rod. Remove the stock brake rod, footrest mount and brake lever assembly. Save the jam nut, and discard the rest of the assembly.
- 5. Install footboard-brake pedal bracket (17) using the screws (3) and washers (27). Tighten bolts to 25-30 ft-lbs.
- 6. Place the large wave washer (12) on the brake pedal shaft. Coat shaft with anti-seize and insert brake pedal shaft into right front footboard-brake pedal bracket (17).
- 7. Install jam nut on new brake rod (13). Install new brake rod in master cylinder piston. Do not adjust at this time.
- 8. Connect brake pedal (5) and brake rod (13) using the staked clevis pin (15). Be sure to install the staked clevis pin (15) from the inside. Rap the pin with a hammer to sink the stake clevis pin all the way in so that it is fully seated. Place washer (24) on end of staked clevis pin and insert cotter pin (23).
- 9. Install washer (25) and nut (32). Tighten nut to 17-20 ft-lbs.
- 10. Mount right rear (18) footboard bracket to frame using supplied hardware (3 & 27). See photo # 6 below. Tighten bolts to 25-30 ft-lbs
- 11. Adjust brake pedal-to-bracket clearance by turning master cylinder piston until there is 7/16 in. clearance between brake pedal and bracket. Tighten jam nut.
- 12. Install brake pedal pad (14) and footboard using supplied hardware (22 & 29).





5 Photo

Kit Contents

Item #	Qty	Description	
1	1	Hex head bolt 5/16-24 x 5/8"	
2	1	Shift Lever Retainer, Black for use on 1996-05 Models	
3	8	Hex head bolt, 3/8-16 x 1.25"	
4	1	Set screw, shaft cover	
5	1	Rear Brake Pedal	
6	1	Shift Lever, Chrome	
7	1	Shift Rod	
8	1	Heal/Toe Shifter, chrome	
9	2	Shift Peg	
10	1	Shift Lever Retainer, Black for use on 2006-09 Models	
11	1	Shift Shaft Cover, Chrome	
12	2	Wave washer	
13	1	Brake Rod	

Item #	Qty	Description	
14	1	Brake Pedal Pad	
15	1	Clevis pin	
16	1	Socket head cap screw	
17	1	Footboard-Brake Pedal Brkt	
18	1	Right Rear Footboard Brkt	
19	1	Footboard/Shift Brkt	
20	1	Left Rear Footboard Brkt	
21	2	Footboard Assm	
22	4	Shoulder bolt, 1/4-20 x 1 (4)	
23	1	Cotter Pin	
24	1	Washer, 1/4"	
25	1	Washer, 7/16"	
26	1	Washer, 5/16"	

Description		
High Collar Lock Washer		
Del)	Deleted item
Flange Nut, 1/4-20		
Aco		Acorn nut, 5/16-24
He	2	Hex jam nut, 5/16-24
Nyl		Nylock Nut 7/16-14
Ins		nstructions
Fla Acc He:		Flange Nut, 1/4-20 Acorn nut, 5/16-24 Hex jam nut, 5/16-24 Nylock Nut 7/16-14