



INSTALLATION INSTRUCTIONS

Parts And Accessories Installation Instructions For Big Dog Motorcycles

2.5" EXTENDED CHROME FORWARD CONTROL KITS

REQUIRED TOOLS:

9/64" hex wrench
3/16" hex wrench
7/32" hex wrench
5/16" hex wrench
3/8" hex wrench
1/2" wrench
9/16" socket and wrench
Loctite 2760
Safety glasses

PARTS LIST: 163-000014-01 - Fits 2007 Bulldog, 2007-2008 K-9, 2007-2008 Mastiff, 2006 K-9 (BDM ONLY), 2008 Pitbull

Part #	Description	QTY
BDM240-00084	3/8-16 x 1-1/8" SHCS, chrome	1
160-000078-01	Adapter, RH, tall, chrome	1
BDM160-00006	Shift linkage, no rod ends	1
160-000079-01	Body, shift control, tall, chrome	1
BDM240-00407	3/8-16 x 1" FHCS, zinc	1
		1
BDM240-00297	5/16-18 x 1-3/4" FHCS, SS, polished	1

PARTS LIST: 163-000042-01 - 2005-2007 Pitbull, 2004-2008 Ridgeback, 2004 - All Models

Part #	Description	QTY
BDM240-00084	3/8-16 x 1-1/8" SHCS, chrome	1
		1
160-000078-01	Adapter, RH, tall, chrome	1
BDM160-00269	Shift linkage, no rod ends	1
160-000079-01	Body, shift control, tall, chrome	1
BDM240-00407	3/8-16 x 1" FHCS, zinc	1

CAUTIONS: Use these instructions to insure proper installation of this product. Failure to comply with these instructions may result in serious bodily harm and void product warranty. Manufacturer assumes no liability for loss or damage of any kind, expressed or implied resulting from improper use of this product. Wear appropriate safety equipment when installing any Big Dog Motorcycles accessory.

Before attempting this or any other accessory installation do the following:

1. Read and understand all instructions included with the accessory.
2. Make sure all parts on packing list are included.
3. Check required tool list and gather those tools.
4. Do not attempt to "rush" the installation. Make sure you have the time required to complete the installation.
5. If you are not comfortable doing this installation, STOP and take to the nearest Authorized Dealer or Service Center.
6. Always exercise caution.

CAUTION: IF MOTORCYCLE HAS BEEN RUNNING, WAIT UNTIL ENGINE AND EXHAUST HAVE COOLED TO AVOID PERSONAL INJURY.

WARNING: FAILURE TO DISCONNECT BATTERY WHILE WORKING ON MOTORCYCLE MAY RESULT IN INADVERTENT ENGAGEMENT OF STARTER AND CAUSE PERSONAL INJURY. DISCONNECT THE BATTERY AND ANY OTHER SOURCE OF ELECTRICAL POWER, GROUND CABLE FIRST.

INSTRUCTIONS

Place motorcycle on a lift, clamping the front tire securely. Strap the front end to the lift on both sides to ensure safety.

SHIFTER SIDE

1. Remove shifter linkage. Remove the rear retaining bolt of the linkage using a 1/2" wrench. Using a 3/16" hex wrench and a 1/2" wrench, remove the front linkage retaining bolt.



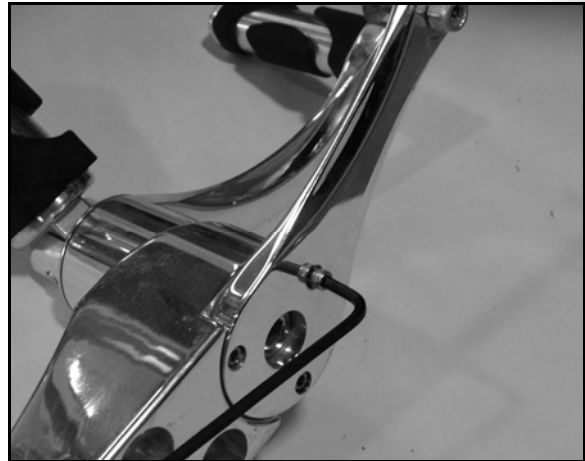
Typical.

2. Remove the three forward control mounting bolts with a 5/16" hex wrench and remove the controls from the motorcycle.



Typical – 5/16" hex wrench.

3. Remove the three bolts attaching the housing to the shifter lever with a 9/64" hex wrench.



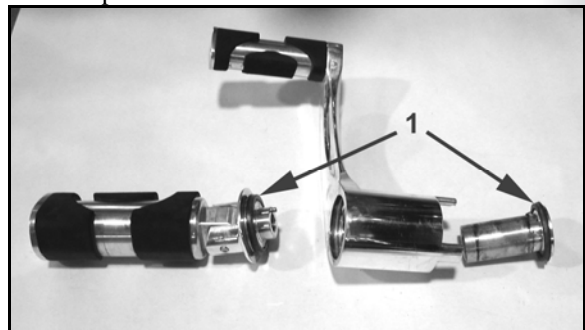
Typical – 9/64" hex wrench.

4. Remove the main assembly bolt with a 3/8" hex wrench. Do not separate the foot peg and shifter lever, as this will add an extra step to the reassembly process (see text below).



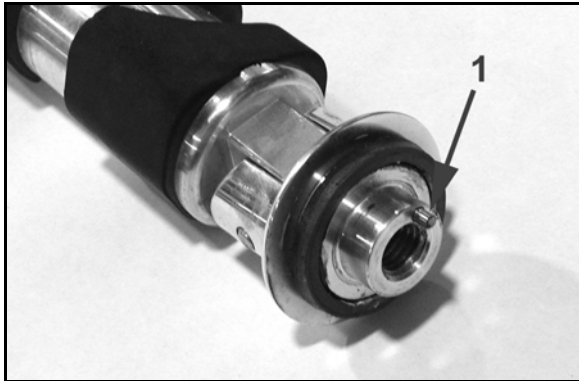
Typical – 3/8" hex wrench.

5. If the foot peg/shifter lever assembly separates, or if you wish to change foot peg clocking, separate the assembly and place the seals on the components as shown.



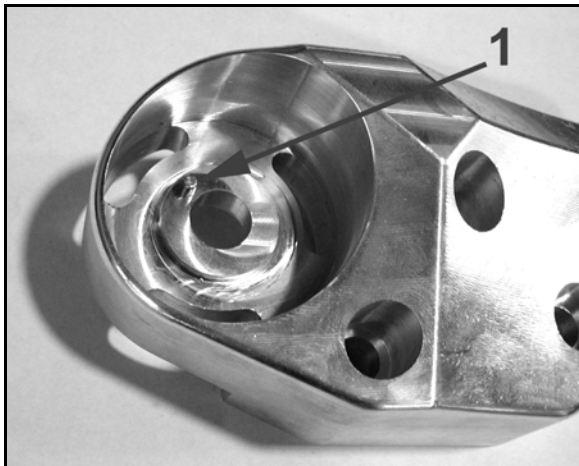
1. Seal location on male components.

6. If you wish to change the clocking of the foot peg, remove the dowel pin shown below.



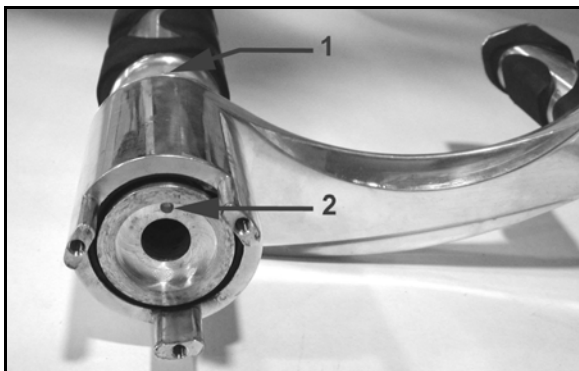
1. Dowel pin.

7. Move dowel pin from old housing to new housing.



1. Dowel pin.

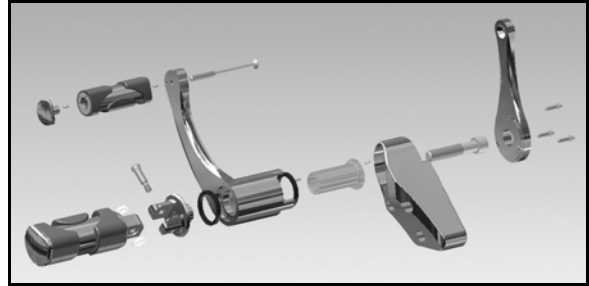
8. Proper alignment of the foot peg, shifter lever, and dowel pin are important for reassembly. Align components as shown in next image. If components do not fit together tightly, or the seals separate from the male components, reassemble the components as per *step 5*.



1. Flat section of foot peg level on top.
2. Dowel pin hole.

9. Place assembly from *step 8* into housing, making sure dowel pins align and seals do not come out. Apply Loctite 2760 and reassemble main assembly bolt removed in *step 4*.
10. Apply Loctite 2760 and assemble shifter lever and 3 bolts removed in *step 3*.
11. Apply Loctite 2760 to 3 bolts removed in *step 2* and place controls back on motorcycle.

An exploded view of all forward control components is shown below.



Typical – exploded view.

12. With controls on motorcycle, foot peg clocking can be adjusted if the clocking dowel pin was removed. Loosen the main assembly bolt (the bolt removed in *step 4*). Sit on the motorcycle and rotate the peg until desired position is achieved, then retighten the main assembly bolt.

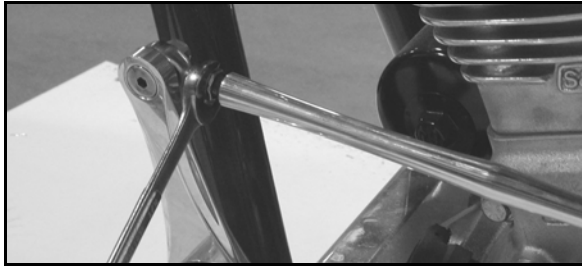


Typical.

NOTE: If installing this kit on K-9 or Chopper models, you will need to use the supplied shifter spacer (BDM130-00190) and the 5/16-18 x 1-3/4" bolt (BDM240-00297) in order to achieve clearance from the frame downtube.

13. Install new shift linkage with the hardware removed in *step 1* in reverse order of removal. When properly installed, the linkage distance

should increase or decrease in length when rolled either forward or backward. Adjust linkage so gears can be shifted up or down easily. Tighten linkage nuts with a 1/2" wrench.



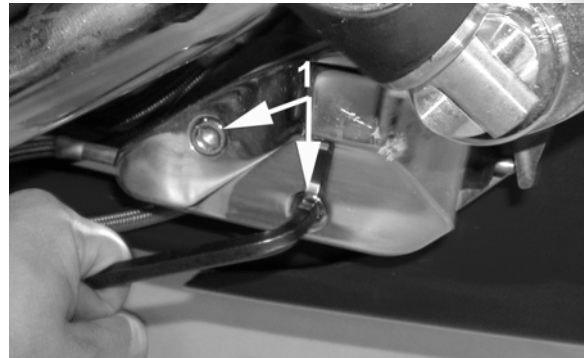
Typical.

BRAKE SIDE

14. When installing extended controls, replacement of the extended banjo fitting is required. During this process, be careful not to press the brake pedal to avoid excess brake fluid loss

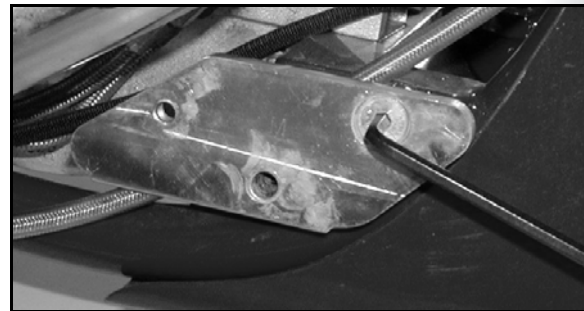


17. Remove the 2 forward control mounting bolts with 5/16" hex wrench and remove master cylinder housing



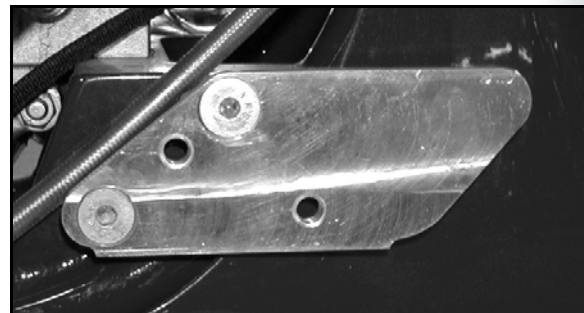
1. Remove these two bolts.

18. Remove the remaining bolt mounting to the adapter plate with a 7/32" hex wrench.



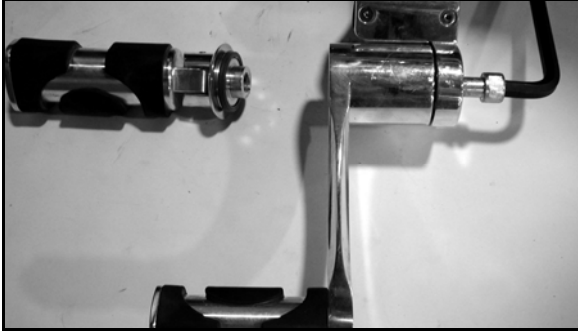
Typical.

19. Install new adapter plate as shown. Reuse bolt removed in *step 5* and the additional flat head cap screw supplied with the kit.



Extended control plate installed.

20. If clocking of the foot peg is desired (similar to shifter side), remove the assembly bolt with a 3/8" hex wrench and remove only the foot peg from the assembly.



Typical.

21. Remove the dowel pin from the assembly. Apply Loctite 2760 to the assembly bolt (removed in previous step) and reassemble the foot peg making sure the seal is on the male portion as shown below. Tighten the assembly bolt enough to hold the assembly together, but make sure it is still loose enough to be able to rotate the foot peg.



1. Dowel pin.
2. Seal assembly location.

22. Apply Loctite 2760 to the shorter existing cap screw (removed in *step 4*) and the new cap screw supplied in the kit. Reassemble the controls onto the motorcycle using the two screws. Sit on motorcycle and rotate the peg until desired position is achieved, and then tighten the assembly bolt to complete the installation. You may need to cut one or two zip ties where the brake line passes between the motor and transmission to allow slight extension of the brake line.