

Installation Instructions for PDL6 Brake and Shifter Pedal Kit for FC10 Forward Controls

It is highly recommended that you use a thread lock compound such as Loctite, on all threads to keep them from vibrating loose.

Please read these instructions entirely before starting.

This picture shows the components of the PDL6 Brake and Shifter Pedal kit. Parts will be referred to by the names & numbers shown here.

Note: Some part names and numbers referred to in these instructions are pictured in the FC10 Installation Instructions. If you are missing anything please email sales@refinedcycle.com.

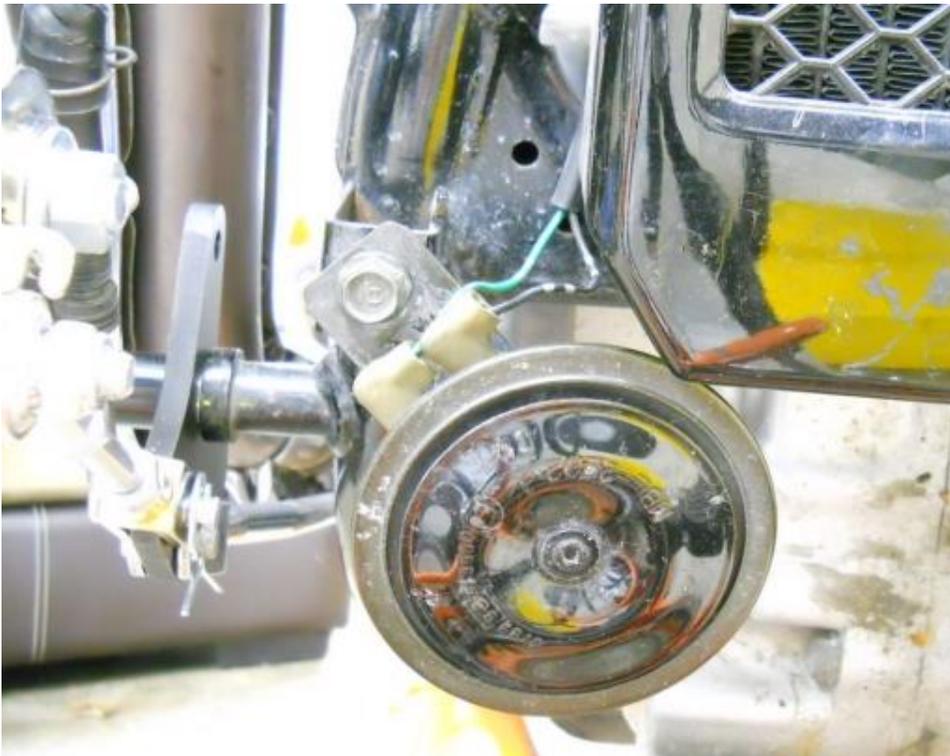


PDL6 Components

- 8 - 1/4" Washer
- 13 - 5/16x1" Cotter Pin
- 19 - 5/16-24 Nut (x2)
- 20 - 3/8-16 Nut
- 23 - Toe Peg (x2)
- 25 - SLV1 (x2)
- 26 - 5/8x1/2 Bronze Sleeve (x2)
- 27 - 3/8-16x2 Button Head Bolt
- 28 - M6-1.0x25 Socket Head Bolt
- 29 - 5/16x7/8 Clevis Pin
- 30 - M6 Spherical Rod End
- 31 - 5/16" Zinc Washer (x2)
- 32 - Brake Pedal
- 33 - Shifter Pedal
- 34 - M6-1.0 Acorn Nut

Brake side

Remove the horn and flip it over as shown in picture N.



Picture N

Connect the brake light switch spring to the ARM9 with a 5/16x7/8 Clevis Pin (Part #29) and secure it with a 1/4" Washer (Part #8) and 5/16x1" Cotter Pin (Part #13) as shown in Picture O.



Picture O

Apply grease to the outside surface of both SLV1's (part# 25) and the inside and outside of both the 5/8x1/2 Bronze Sleeves (part# 26).

Place a SLV1 into a 5/8x1/2 Bronze Sleeve and insert them into the new Brake Pedal (part# 32) and new Shifter Pedal (Part #33) as shown in picture P.



Picture P

Insert a 3/8-16x2 Button Head Bolt (part #27) from the front side, into the lower front hole of the FC10-R.

Place the Brake Pedal assembly onto the bolt at the back side, and secure with a 5/16 Zinc Washer (part #31) and a 3/8-16 Nut (Part #20) as shown in Picture Q.



Picture Q

Connect the Spherical Rod End of the Brake Linkage Extension to the back side of the Brake Pedal with an M8-1.25x30 Socket Head Cap Screw and secure with an M8 Lock Nut.

Connect the Clevis end of the Brake Linkage Extension to the top hole of the ARM9 with a 5/16x1 Clevis Pin and secure with a 1/4" Washer and a 5/64x1 Cotter Pin as shown in Picture R.

Note: If needed, the nut on the Clevis end of the Brake Linkage Extension can be removed and the linkage threaded in farther, to raise the Brake Pedal up more.



Picture R

Connect the Toe Peg (Part #23) to the Brake Pedal and secure with a 5/16-24 Nut (Part #19).

The brake pedal may be adjusted by threading more or less of the Brake Linkage Extension into the Clevis and Spherical Rod End. Note: Make sure the Brake Linkage Extension is threaded far enough into the ends to provide a secure connection. When the Pedal is adjusted to a comfortable position, tighten the 5/16 Nuts against the Clevis and Spherical Rod End.

Retighten the rear brake drum arm by tightening the adjusting nut (shown in picture A of the FC10 Installation Instructions). Do not over tighten so much that the brake is locked. There should be a small amount of play in the brake drum arm.

The brake light switch may need to be adjusted. To test, turn your key on and observe your brake light while pressing and releasing the brake pedal a few times. If the brake light works as desired, no adjustment is necessary. If it stays on all the time, turn the adjustment wheel (shown in picture B of the FC10 Installation Instructions) to loosen the spring tension on the brake light switch. Hold the brake light switch in one hand to keep it from turning while turning the adjustment wheel. If it does not come on at all, tighten the tension on the brake light switch spring. With a little trial and error you will find the right position.

This completes the brake side

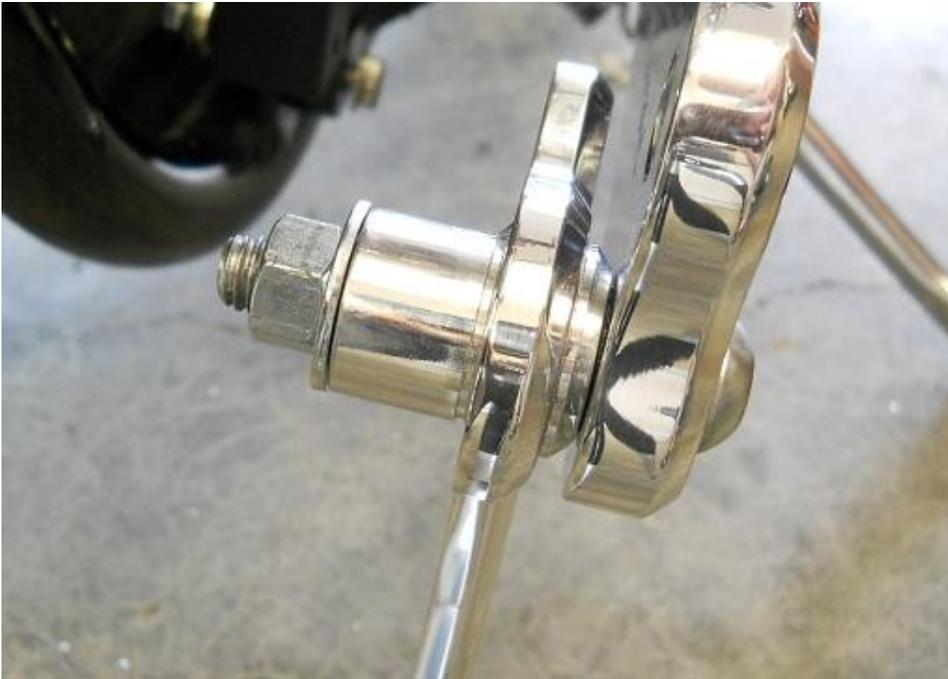
Shifter Side

The bottom front hole of the FC10-L must be drilled out to 3/8" diameter. Note: Place a few strips of masking tape over the area to be drilled to protect the surface from scratches.

Install a foot peg as previously done on the other side.

Insert a 3/8-16x2 Button Head Bolt into the bottom front hole of the FC10-L.

Place the Shifter Pedal assembly onto the bolt at the back side, and secure with a 5/16 Zinc Washer and a 3/8-16 Nut as shown in Picture S.



Picture S



Thread an M6 Spherical Rod End (Part #30) onto the Shifter Linkage Extension. Connect the Linkage to the back side of the Shifter Pedal with an M6-1.0x25 Socket Head Bolt (Part#28) and secure with an M6-1.0 Acorn Nut (Part #34) as shown in Picture T.



Picture T

Connect the Toe Peg to the Shifter Pedal as previously done on the other side.

The position of the Shifter pedal can be adjusted by removing the shifter arm from the spline and rotating it a notch or two, clockwise or counterclockwise. Fine adjustment can also be accomplished by threading the Shifter Linkage in or out of the ends. You will need to remove the M6 Spherical Rod End from the Shifter Pedal to do this. After adjustment is finished, make sure to tighten the M6-1.0 Nut against the Spherical Rod End and ball joint to secure it.

That's it!

It is recommended that at this point you double check that ALL connections are tight and take the bike for a test ride and make any other adjustments necessary for the optimal position of your shifter and brake pedals.

Enjoy the Ride!

