

TECHNICAL MANUALS

Tools Needed:



2.5mm
Hex Wrench



Micro
Flat-head
Screwdriver



Low-Range
Torque Wrench



#1 Phillips
Screwdriver



Paper Clip

Supplies Needed:

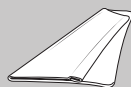
Grease



Thread-Lock

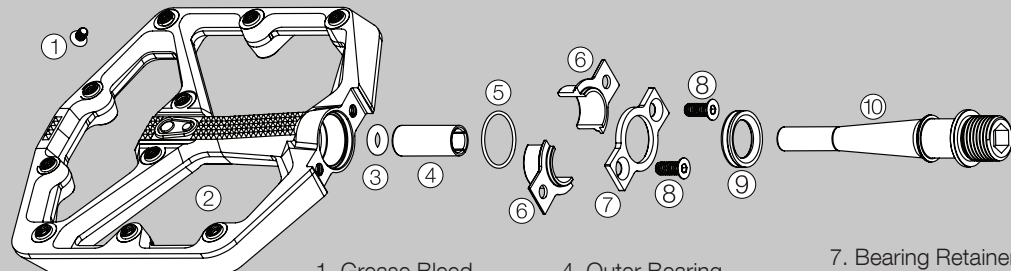


Cleaning
Cloth



Stamp Pedal Rev.A 3.28.17

Overhaul

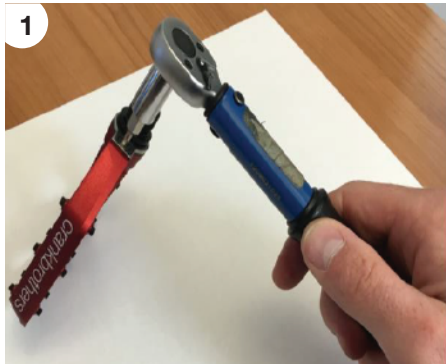
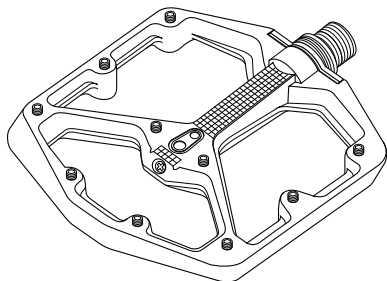


1. Grease Bleed
Screw
2. Body
3. Outer O-Ring

4. Outer Bearing
5. Inner Bearing O-Ring
6. Inner Spindle Bearing

7. Bearing Retainer
8. Plate Screws
9. Seal
10. Spindle

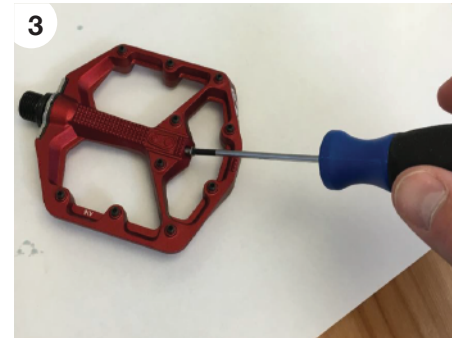
Disassembly Instructions



Remove both bearing retainer plate screws using 2.5mm hex (good condition to prevent stripping plate screws). Set aside.

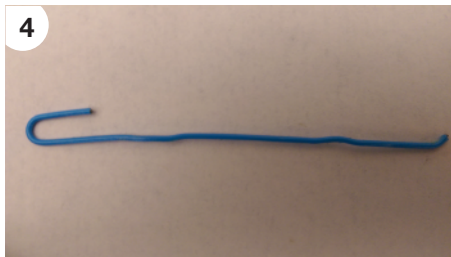


Remove the spindle / bearing assembly, clean and set aside.



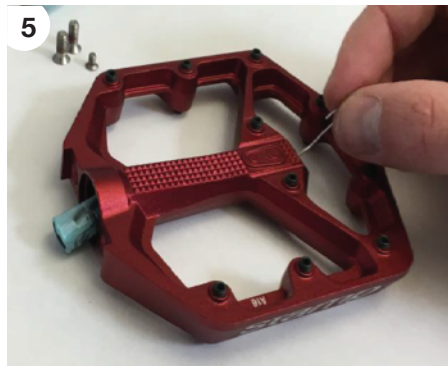
With a #1 Phillips screwdriver, remove the grease bleed screw. Set aside

4



Unfold a paperclip to create the tool needed to remove the outer bearing and O-ring. Bend a small hook in the end to aid this process.

5



Using the paperclip, insert through the grease bleed screw port and push the outer bearing out of the pedal body.

6



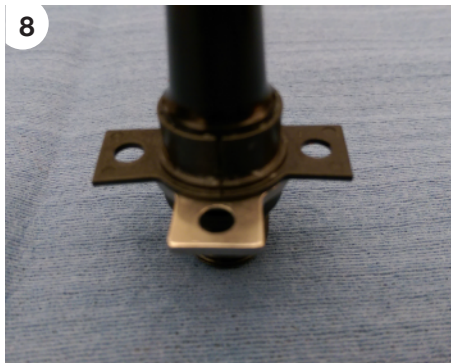
Insert the paperclip into the inner pedal body bore, hook and remove the outer O-ring.

7



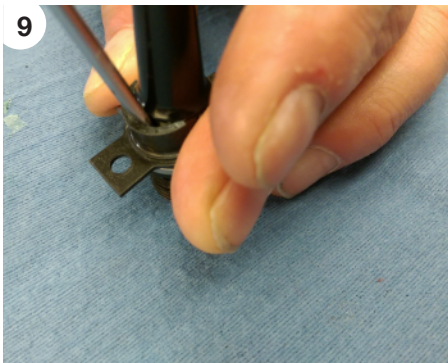
Remove the thin O-ring from the inner spindle bearings, clean and set aside

8



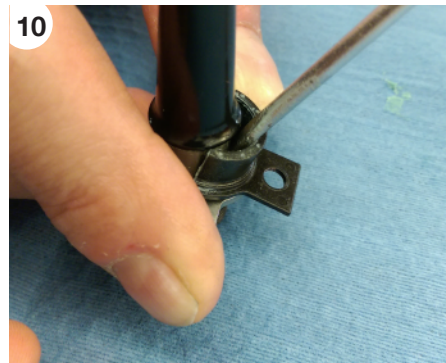
Rotate the bearing retainer plate and inner bearings so they are in opposite directions.

9



Place spindle upright on a table and press down on the retainer plate. Insert a micro screwdriver between the spindle and bearing and pry outward to remove 1/2 of the inner bearing. Set aside.

10



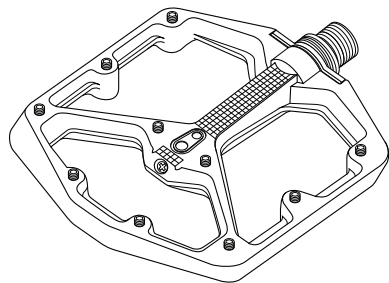
Repeat on the opposite side.

11



Slide the bearing retainer and seal off the spindle.

Assembly Instructions



1
Install the seal onto the spindle. Note seal orientation: thick side towards spindle threads, thin flexible side towards the pedal body. Slide bearing retainer over spindle w/ chamfered screw holes facing spindle threads.



2
Place spindle upright on a table and insert one outer bearing half. Orientate the bearing, short side towards the spindle threads and at an angle, insert the lip of the bearing into the retainer and snap into place. No tools are necessary.



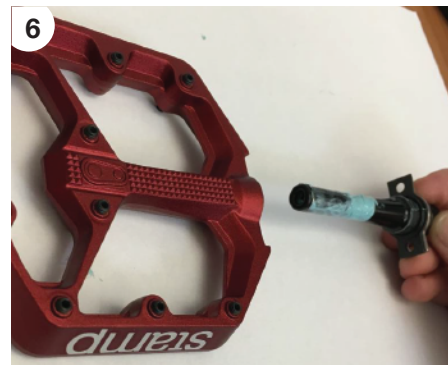
3
Repeat on opposite side.



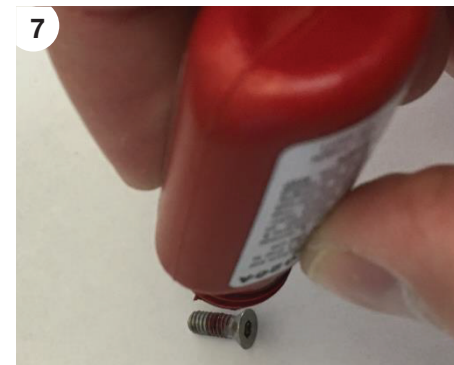
4
Once the bearing halves are in place, rotate so they parallel to the retainer plate and install the inner O-ring.



5
Slide the outer bearing onto the spindle and lightly grease all external surfaces of the spindle / bearing assembly. Place lightly greased outer O-ring onto the end of the outer bearing halves.



6
Insert the spindle / bearing assembly into the pedal body bore. Make sure all components stay aligned during installation. Align the bearing retainer plate sides with the pedal body to fully insert.



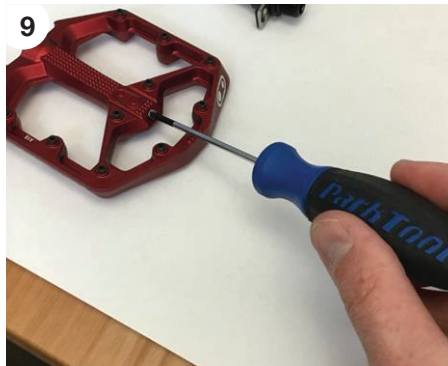
7
Apply a small drop of light duty threadlocker (Loctite 222 recommended) to the retaining screws.

8



Install the two retainer screws and tighten with low range torque wrench and 2.5 hex to 2.5Nm.

9



Wipe away any excess grease that may have purged and install grease bleed screw. Tighten lightly to .5Nm. Be careful not to cross thread or over tighten!

10



Test spindle rotation. Spindle should be tight, but rotate freely and smooth without play.