

NUKEPROOF CLIPLESS PEDAL SERVICE GUIDE

For this guide we have used the Horizon CL pedal but the Horizon CS also follows the same procedure.

TOOLS REQUIRED

- 8mm Hex Key
- 6mm Key Key
- 3mm Hex Key
- 2.5mm Hex Key
- 1.5mm or 2mm Hex Key
- T10 Torx Key
- Small Flat Head Screwdriver
- Nukeproof Pedal Nut Socket*
- Nukeproof Bushing Removal Tool*
- Spanner or handle for socket
- Grease
- Pedal Rebuild Kit*
- Binding Kit*
- Paper Towel

*Available from all Nukeproof dealers.

It is advisable to strip and rebuild 1 pedal at a time so you can use the built pedal as a reference point for rebuilding.



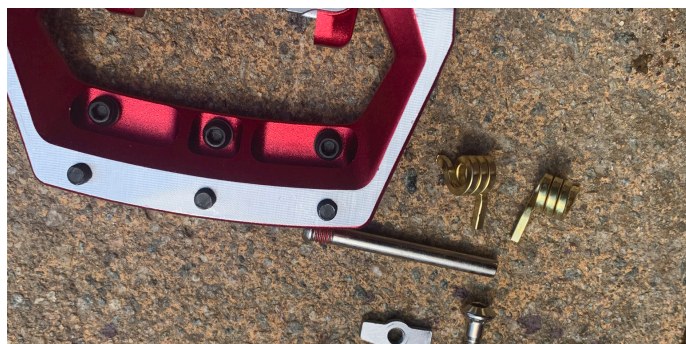
BINDING REMOVAL



1. Using your 3mm hex key, undo the tension adjuster and remove screw and plate from pedal.



2. Using your 2.5mm hex key, loosen and remove the pin holding the one of the bindings in place.



3. Set the pieces together on a work surface.



4. Remove the other pin and set the pieces of this binding together on the work surface.

Note – There is no need to remove the binding plates from the pedal during this process unless they are being replaced. They can be removed using the T10 Torx Key.

INTERNAL STRIP



5. Remove the pedal end cap using your 6mm hex key.



6. Insert your 8mm into the pedal axle and use the nut socket remover to remove the nut from the axle. Tip – Leave the nut inside the socket so it is the correct way round for reinstallation.



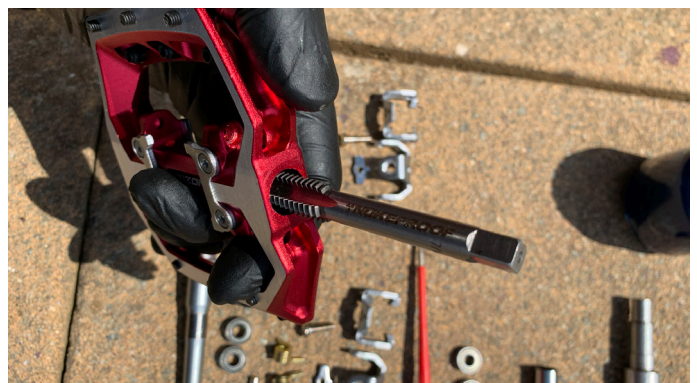
7. Remove the axle from the pedal, remove the seal from the pedal and clean parts with paper towel.



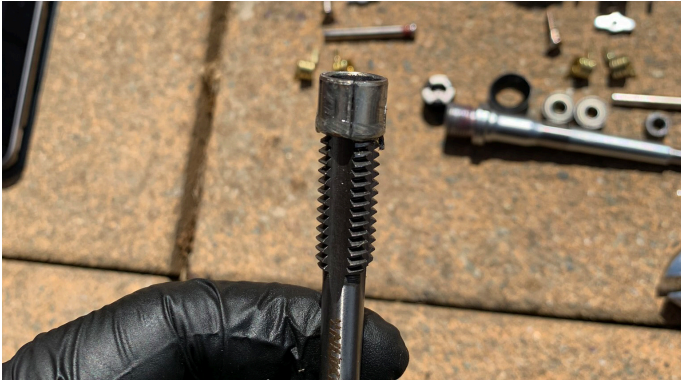
8. Using your 1.5mm or 2mm hex key, remove the bearings from the pedal by hooking with the L shape of the hex key.



9. Visually locate the bushing in the pedal body, it will be visible from the inner side of the pedal body.



10. Use the tap from the Nukeproof Bushing removal tool kit to insert into the bushing and turn. The first couple of turns will be tough then you will feel the bushing start to spin in the pedal body. At this stage pull the tap out of the pedal and the bushing will come with it.



11. The bushing has a split design so you can use your flat head screwdriver to prize it open and remove it from the tap.



12. Clean the inside of the pedal body with paper towel. This can be pushed through the body with a hex key or an old spoke.

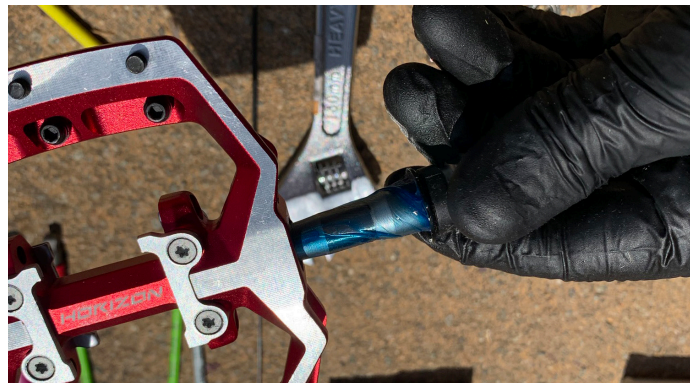


13. The pedal has now been stripped. Discard any old parts so they do not get mixed with new parts.

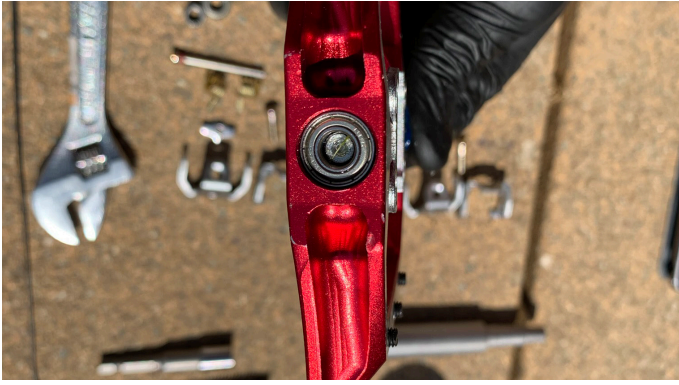
INTERNAL REBUILD



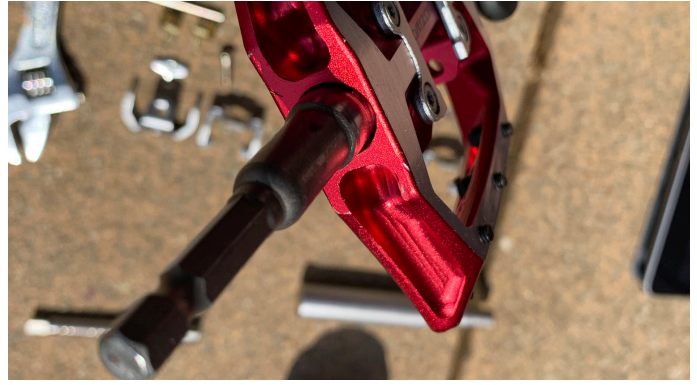
14. Get the bushing install tool, put the bushing on the end of the tool and push it into the pedal body. A firm press is required to ensure it is fully inserted.



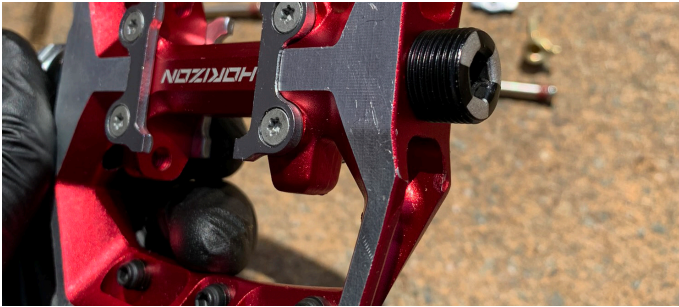
15. Take your axle, install the new seal, apply grease and insert into pedal body.



16. Insert the bearings into the pedal body and over the axle.



17. Push bearings into place using the pedal nut socket and then retighten nut.



18. Refit pedal end cap – tighten and ensure that there is no play in the pedal axle.

BINDING REFIT



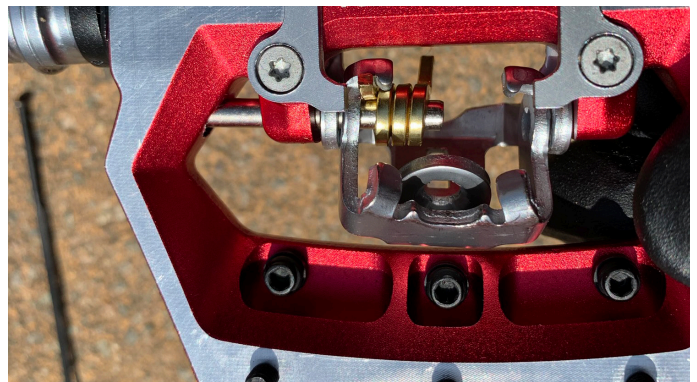
19. Get one binding set and install the into the pin and the first part of the binding with the tension adjuster screw hole into the pedal body.



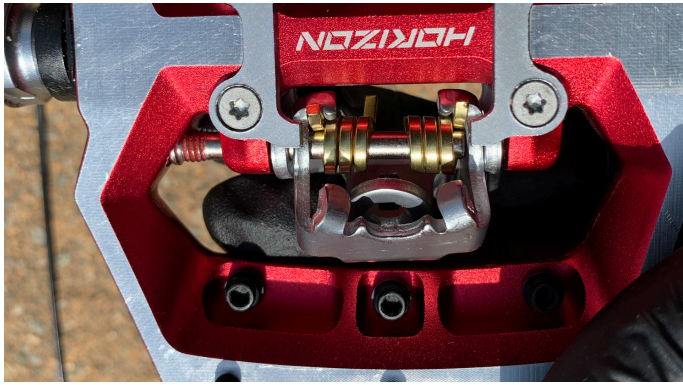
20. Fit the other part of the binding and push the pin further through to hold it in place.



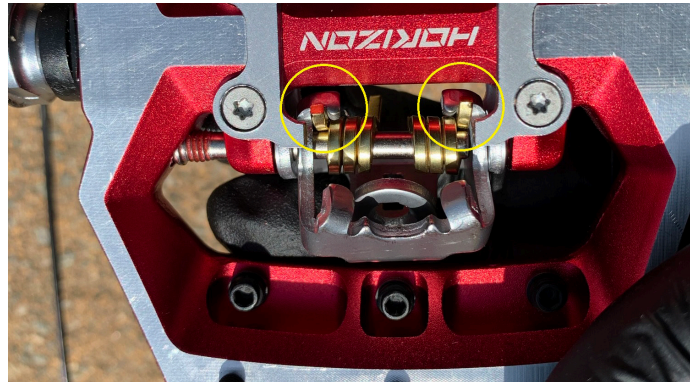
21. Get your springs and look at the direction of the coils to determine which order they need installed in. When they are installed the coils will point in opposite directions.



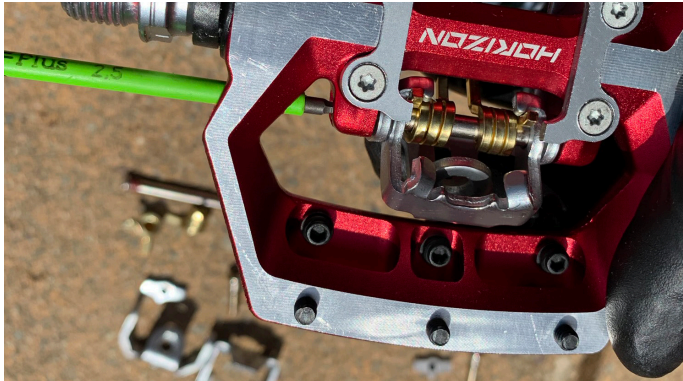
22. Install the first spring.



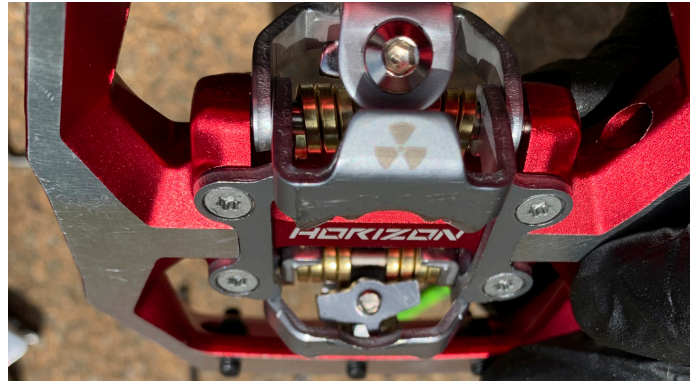
23. Install the second spring.



24. Ensure that the small leg on the spring is correctly seated in the recess on the binding.



25. Fully install the pin and tighten.



26. Get your tension adjustment plate and screw then reinstall in pedal.

27. Repeat steps 19 to 26 for the other binding.



28. Your pedal is now ready to refit and ride.

Exploded diagrams are available from Nukeproof.com
Spare parts are all available via a Nukeproof dealer.