

Procedure for replacing Amphibigrips on PHENOM FxZ1

In order to be able to correctly replace the Amphibigrip on a PHENOM FxZ1 housing you have to follow this step by step procedure.

1. Unplug grip from the encoder boards located inside the housing. The board is mounted on the grip insert.
2. Remove the ½-20 hex nut that holds the grip insert onto the housing.
3. The encoder board assembly, mounted on a black sheet metal assembly, is now loose. Remove it from the wall and leave it hanging on the other cables.
4. Remove the two 8-23 x ¼ socket cap screw from the grip support that holds on the bottom of the housing.
5. All at once, pull out the grip and the wheel/gear assembly from the housing.
6. Remove the grip support from the old grip and replace it with a new one. Be careful not to lose the nut inside the grip.
7. Remove the old wheel/gear assembly from old grip and install it on the new grip assembly.
8. Put a small amount of lubricant on the o-ring located on the grip insert.
9. Install the grip assembly on the housing. While pushing the assembly inside the hole, line-up the stopper (screw head sticking out on the wheel/gear assembly) with the groove on the housing. The stopper has to be centered on the length of the groove. Travel has to be equal on both sides. If the wheel/gear assembly is offset, pull the assembly out a little and re-adjust the wheel/gear assembly accordingly.
10. Push the grip assembly into place until it stops.
11. To see if the system is correctly installed, move the wheel one way and the other till it reaches the ends in order to see if they have the same travel. If not, please redo step #9.
12. Push the grip assembly correctly onto the housing.
13. Re-install encoder board assembly onto the grip insert inside the housing. Note: make sure that the encoder opening lines up with the d-shaped shaft located beside the grip insert. If you do not touch the encoder during the process, they should be lining up. But if you have to adjust them, turn the encoder so it lines up with the shaft shape.
14. Install the nut and plug the encoder back.
15. Re-assemble the grip by screwing the two 8-32 x 14/ socket cap screws onto the grip support and the housing.