

1/8-scale vehicles use sealed gear diffs, and different viscosity oils are used to tune the diff action. Dave applied this to the Slash, but because the stock diff wasn't a sealed type, he figured out how to seal it up using o-rings and some RTV silicone.

STEP 1. Disassemble the diff and clean out all the state grease with some motor spray and a rag. Once the parts are clean, the first thing you'll want to do is to file the small outer flanges flush with the Housing. This will give you clearance for the omings you'll be using to seal the outdrives.

STEP 2. Using a medium sized counter sink bit, corefully bevel the edge of the outdrive holes from the outside; do a little at a time, and test fit by clacing an o-ring on the outdrive. You'll want to ream out just enough room for the o-ring to sit at about the same height as the original flange that you filed off in step 1.

STEP 3. With the o-rings in place, place a thin between the o-ring and the bearing. Apply a small amount of diff oil to the o-rings to keep things lubed, then fill the diff with oil. We found == 30,000-50,000-wt. oil was a good thickness to control the diff action. Fill the diff about 2/3full or until the gears are just covered. As you fill, reside the gears once in a while to get the oil into all the little spaces underneath and around the spider gears.

STEP 4. Before you reassemble the diff, put some *** Sticone on your finger and put a small bead md the edge of the diff casing where the diff cover goes. Make sure it's a continuous bead, men replace the cover, put a small drop of RTV into the screw holes, and screw it back down.





Originally Derek did testing with the ball diff be a performance increase. After building the several weeks in secret the results are mixed better than the stock "greased" diff, but com fluid diff it might not be worth the upgrade. to get the stock diff sealed, the ball diff will b the diff requires you to take it out, which is a feel the stock gear diff sealed (see Dave's di than the ball diff. The ball diff is still technical prone to "diffing out," but it is lighter compo much less messy than just filling the stock diff





























