



Purple Cranium Products



We've Got Your Rear End Covered

Thank you for purchasing the Diff Spider, Purple Cranium Products is striving to bring you the most reliable and innovative products for your four wheel drive vehicle. Please follow the simple installation instructions to minimize the chances for error.

Step #1

Now is a good time to make a trip to your local auto parts store and purchase some differential fluid (rear end dope), this is the least maintained fluid on the average four wheel drive vehicle. Sometimes (depending on age of vehicle) the bolts can be removed without losing any fluid, We do not suggest this but if you choose this method skip Step #2.

Step #2

Remove existing cover and drain fluid, remove the gasket or permatex type gasket off of both axle and diff cover. Clean the mating surfaces of both the diff cover and axle with a brake clean type of cleaner.

Step #3

Apply gasket material (permatex) or gasket to housing, in some cases permatex type material will have to be applied to threads of bolts if the bolts enter the housing cavity. Depending on half or full spider installation is as follows. For the half Spider, install Diff cover first using one (1) bolt at top (finger tight), then install all stainless steel socket head cap screws (supplied) in spider (finger tight). Install remaining bolts in Diff cover and tighten all using the same method as lug nuts on a wheel (staggered). If you have purchased the full Spider the Diff cover and Spider will be installed together at the same time, install bolts (supplied) in the four corners (finger tight) then install remaining bolts and tighten using method mentioned above. Remember to use factory torque specifications to prevent leaks. Add Differential fluid and inspect periodically for leaks.

A little bit about the quality of your purchase

CNC Plasma cut flange
Jig drilled holes and bores
Counterbored mounting holes
Fixture welded assembly
100% MIG welded joints
Mating surface is Blanchard ground
Steam cleaned
Aluminum oxide blasted
Phosphate cleaned and primed
Powder coated and baked
All Stainless Steel fasteners

Purple Cranium Products Inc.
P.O. Box 10
Dearborn, MI 48121-0010
(313) 581-0032
(313) 846-4387 (Fax)
www.purplecranium.com