

NOTICE

For All Dana Covers

And can be used for, Pre Installation Instruction for other Diffs, and Trans cases

As you remove your existing factory-supplied, stamped steel, cover or pan, you may notice that the Dana differential casting has a 5116 letter stamped in the gasket area. This stamping can be any letter, and is found on both left and right sides of the differential casting. In some instances, there may also be a number of digits stamped at the bottom or top of the case.

These stamped letters and numbers are factory markings that are applied by hand. Some stampings are deeper than others. If the Mag-Hytec cover's O-ring goes across a deeply stamped letter, the cover could potentially weep oil.

To check for a potential leak, you should do a quick visual examination of the Mag-Hytec O-ring to the differential housing fit. As an additional check, you may wish to try the "grease test." To do so, use the cardboard flat that is enclosed. Using the Mag-Hytec cover, place the cover on the cardboard flat and trace around the cover with a marker. On the inside of the marker line, take your grease gun and shoot about six to eight shots of grease around the inside of the line. Smooth the grease out so that there is a thin film of grease in the area of the O-ring. Set the cover down on the grease and move it in a small circular motion two or three times. Use two pins or use a short piece of threaded stock and slip or screw in the threaded holes on the left and right side of the case. This is to locate cover in the right place. Press the cover to the differential case and move side to side and up and down. Take it off and you will have the path of the O-ring. If the O-ring goes over a letter, number, or flaw, we suggest you do one of two things:

1. **Recommended:** Use a metal-epoxy (trade name, J.B. Weld) sold in most hardware stores. Mix it per the instructions and apply it so that there is a slight build up in the area of the flaw. Let it dry overnight, then file smooth. You are now ready to install the cover .
2. **Alternative:** If you are in a hurry, use Permatex Ultra Black R1V. Put a very thin film over the flaw. Then install the cover.

P.S.

We have found some differential cases that were machined off center of the case and the holes were very close to the inside edge of the case on one side. If you have a case like this, it is impossible for the O-ring to seal. **SO in that area only use a thin coat of RTV gasket sealer.**