



# 2002-2008 Dodge Ram 1500 Differential Oil Replacement

How to drain and refill a 2002-2008 Dodge Ram 1500 Chrysler LSD.

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## INTRODUCTION

This guide will demonstrate how to do a routine maintenance differential oil change to your 2002-2008 Dodge Ram 1500 Chrysler LSD. Due to limited resources the differential oil was not actually changed in this guide.

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### TOOLS:

- [Flathead Screwdriver](#) (1)  
*Size #2*
  - [vacuum oil pump](#) (1)
  - [13mm Socket](#) (1)
  - [Torque Wrench](#) (1)
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## Step 1 — Differential Oil



- Locate the twelve 10mm long 14mm hex head bolts holding on the backplate of the differential.
  - Position an oil pan under the differential.
  - Loosen the bottom 4 bolts first with the 14mm socket wrench. Slowly loosen the rest of the bolts in a random order until oil flows out and enters the drain pan.
- i** Due to limited resources the oil was not actually replaced in this guide.

## Step 2



**⚠** When tightening the bolts on the diff plate it is vital that you tighten them in a star pattern to avoid warping the plate. Do not exceed a torque of 40 ft-lbs per bolt.

- Repeat the last step in reverse to re-tighten the bolts on the differential cover while following the star method of tightening bolts. Use a torque wrench to ensure proper torque specifications.
- Now the differential is fully sealed and ready for new oil.

### Step 3



- Locate the differential filler plug.
  - Use a #2 flathead screwdriver to lift the outer lip of the plug. Pinch the outer lip of the rubber filler plug between your fingers and pull off.
  - Use a vacuum pump to pump in new differential fluid until the oil level reaches the bottom of the plug hole.
  - Re-insert the rubber filler plug.
- i** Due to limited resources the differential oil was not changed in this guide.

To reassemble your device, follow these instructions in reverse order.