



RIDGID R84015 X2 Planetary Gear Replacement Guide

This guide explains how to disassemble a RIDGID R84015 X2 power drill, replace the planetary gear, and reassemble the drill.

Written By: Evan Long



INTRODUCTION

Follow these steps to disassemble the drill and replace the planetary gear for the RIDGID R84015 X2 power drill.

TOOLS:

- [Phillips #2 Screwdriver](#) (1)
 - [T20 Torx Screwdriver](#) (1)
-

Step 1 — RIDGID R84015 X2 Case Removal



- Remove the backplate.
- Using a Torx T20 screwdriver, remove the four screws attaching the back plate.

Step 2



- Remove the drill handle.
- Using the Phillips #2 screwdriver, remove the five screws attaching the drill handle to the body.

Step 3



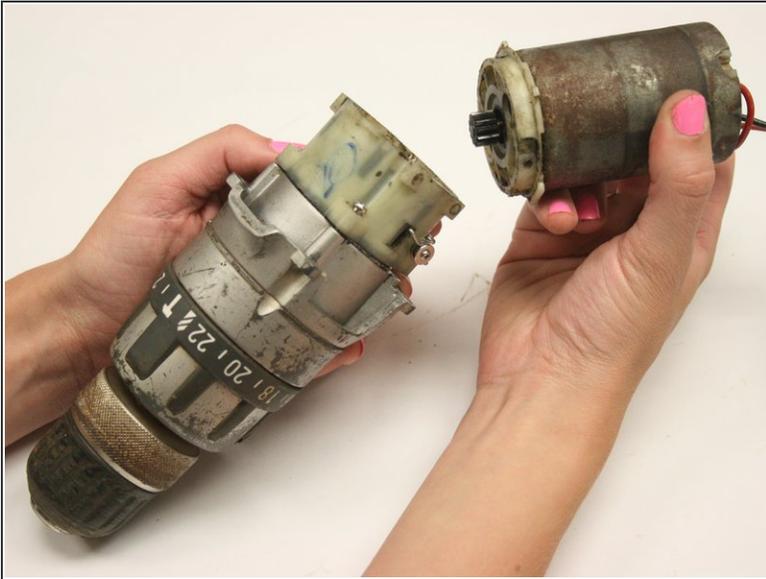
- Remove the gear casing from the body.
- Using the Phillips #2 screwdriver, remove the four screws attaching the gear casing to the body.

Step 4 — Planetary Gear



- Prepare to remove the gear chamber.
- Using the Phillips #2 screwdriver, unscrew the four screws at the rear of the plastic gear chamber.

Step 5



- Remove the motor from the drill by gently pulling the motor away from the gear chamber.

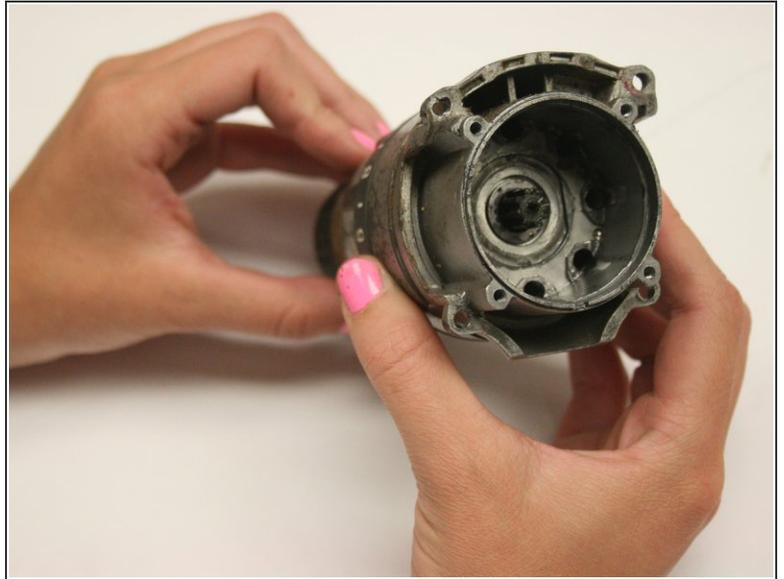
⚠ NOTE: Handle the gear chamber with caution as the gears are now loose.

Step 6



- Remove the plastic gear chamber.
- Using the Phillips #2 screwdriver, remove the four screws that attach the plastic gear chamber.

Step 7



- Remove each component from the gear assembly. Replace components as needed.
- Reassemble the drill following the gear replacement instructions in reverse order.