





The REV NEO Brushless Motor is the first brushless motor designed to meet the unique demands of the FRC community. As a drop-in replacement for CIM type motors, you can press a pinion on the 8mm shaft to use NEO Brushless with COTS gearboxes. This guide is to show the process for press fitting a pinion onto the NEO's 8mm output shaft. You will need:

- A **high quality** 1.5mm Allen Key (i.e. WERA 05022600001)
- An Arbor Press
- NEO Brushless Motor (REV-21-1650)
- Loctite 242

			<p style="text-align: center;">Step 1</p> <p>Locate the first of three screws holding the back can to the front plate of the motor</p>
			<p style="text-align: center;">Step 2</p> <p>Using a high quality 1.5mm Allen Key (ie. WERA 05022600001), remove the bolt and set aside.</p> <p>Repeat this for the other two bolts around the back can.</p> <p>Note: Make sure the Allen Key is fully seated in the bolt head during removal.</p>
			<p style="text-align: center;">Step 3</p> <p>Remove the back can. Set it and the three bolts aside for reassembly after pressing on the pinion.</p>
			<p style="text-align: center;">Step 4</p> <p>Press on pinion. After pinion is pressed on reattach the back can. We recommend using Loctite 242 to complete the reassembly.</p>