



DIFFERENTIAL CROSS-PIN BOLT REMOVAL TOOL

FOR MOST INTEGRAL TYPE DIFFERENTIALS.

Tapered Extractor



Spiral Extractor



Drill Guide Bolts



12" 1/8" Drill Bit

NOTE: Proper precautions should be taken to prevent metal filings from remaining within the differential which can cause premature wear or damage. Please follow all safety regulations and wear proper PPE in case the cutting tool shatters or breaks.

1. After removing broken bolt, determine which drill-guide bolt to use. The long drill-guide bolt is most often used, the shorter drill-guide bolt should only be required when there are only 2-3 threads left clear.
2. Thread the proper drill-guide bolt into the bolt hold until it bottoms against broken bolt, finger tighten only.
Cleaning bolt hold threads with suitable thread chaser or tap may be required. (Not included.)
3. Use a 3/8" or less capacity electric drill with the 1/8" drill bit, larger drills may hinder due to their size. The differential carrier should be rotated to provide a straight drilling angle. Insert drill bit through the guide-bolt and drill into the broken bolt approx. 1/4". Removing the drill bit multiple times during the drilling process to remove metal shavings is recommended. Excessive force while drilling is Not recommended.
4. Once drilling is complete, remove the drill-guide bolt and insert the correct extractor into the drilled hole.
The tapered extractor will most commonly be used. If the tapered extractor cannot be used with finger strength alone, try the spiral extractor with a small wrench. Remember that the extractor needs to be turned in a counter-clockwise direction to remove the broken bolt.

This guide is not meant to instruct in every circumstance of cross-pin bolt breakage. Circumstances of the breakage and user skill will be the ultimate factors in determining if the bolt can be removed this way.

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