

DKW-5 Differential Pinion Shaft Kit Instructions



DKW-5



Removes broken pins quickly from GM and Ford differentials.

Recommended Procedure: Read thoroughly before starting.

Note:

Before starting extracting procedure, user should cover appropriate area in differential where drilling will be done with a clean rag to prevent metal filings from remaining within differential and causing possible damage or premature wear.

Special Note:

Safety recommendations require the use of safety goggles or other appropriate eye protection during entire extracting procedure/

Instructions

1. After removable portion of broken lock bolt has been removed, determine which drill-guide bolt (supplied in kit) should be used.

Which drill-guide bolt to be used depends on where the break occurs. If quite a few threads are left clear, then the long drill-guide should be used. If only a few threads are left clear, the short drill-guide bolt should be used.

2. When the proper drill-guide bolt has been selected, thread it into the lock bolt hole until it bottoms against remaining portion of broken lock bolt.

NOTE: Tighten finger tight only. Over-tightening can distort threads making removal more difficult. If this is not possible then threads of lock bolt hole should be cleaned up with a suitable tap or thread chaser before proceeding.

3. Next, secure the drill bit (supplied in kit) into an electric hand drill of 3/8" capacity or less. (Drills of larger capacity are not recommended because of their size). Rotate carrier assembly to obtain the straightest drill angle possible. Insert cutting end of drill bit into hole in center of drill-guide bolt and drill into remaining broken portion of lock bolt, approximately 1/4". Remove drill bit several times during drilling procedure to remove metal shavings.
4. After drilling is completed, remove drill-guide bolt and insert one of the two extractors (supplied in kit) into the hole previously drilled. Which extractor to be used depends on the circumstances of the break. In most cases, the tapered square extractor will easily remove the remaining broken portion with finger strength only. However, if resistance is encountered to where removal with finger strength is not possible, then the spiral extractor should be used with the aid of a small wrench or suitable tool. In either case, by turning the extractor counter-clockwise the remaining broken portion of the lock bolt should, with little effort, be easily removed.

However, different circumstances will exist with different breaks of locking bolts. This kit is designed to give an excellent chance of removing the remaining broken portion of this lock bolt.

Therefore, circumstances of the breakage and skill of the user will determine if the remaining broken portion can successfully be removed in this manner.