

Care and Use Instructions **Mini Dandy, D, and DD Series – Hydraulic Operation**

**WARNING – ALWAYS REVIEW SAFETY
RULES FIRST**

STEP 1.

Locate your desired instrument opening location and centrally locate two starter holes spaced 7/16" on center for dies with 1/4" pull bolts or 3/4" on center for dies with 3/8" pull bolts.



STEP 2.

Remove your OEM pulling stud from any "industry standard pulling device with a removable 3/4-16 pulling stud". Firmly thread in the Mini Dandy pulling stud and set aside.



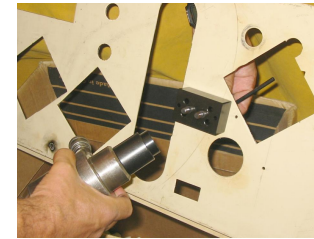
STEP 3.

Assemble the punch center with the two supplied shoulder bolts as shown and insert into the starter holes. Also make sure the shoulder bolts are lightly lubricated, any grade of motor oil will work fine.



STEP 4.

On the opposite side of the panel, slide the die base of the punch over the shoulder bolts.



STEP 5.

Place the pulling sleeve over the **MD** pull stud.

Thread the shoulder bolts into the **MD** pull stud using the supplied hex wrench.

STEP 6.

Attach your Industry Standard Pulling device to an appropriate hydraulic pump (for example Z-Tech's HP-100 hydraulic hand pump or AP-100 pneumatic / hydraulic pump).

Operate the pump until the punch has been completed. Make sure you hold the punch / die / cylinder assembly as it will free itself from the panel as the punching operation is completed.

Remove the shoulder bolts from your **Mini-Dandy** or **D/DD** die, shake out the knock out "slug" and you're ready to begin another opening.

