

PROCESS RESEARCH

CENTERFIRE RIVETLESS EXTRACTORS

No "short-run" stamping vendors were willing to quote on supplying us with a large test quantity of "prototype" extractors. Therefore equipment for making them "in house" is being investigated.

Two (2) variations of extractors, with .026 and .020 spring arms, were tested upto 3000 rounds in M/700 30.06 cal rifles with no failures.

~~A blow-up test has been performed on a M/7400 bolt with a hole through shroud to accept extractor anti-rotation tail. Gas leakage through the hole plus failure of the shroud about the hole were evident.~~

~~Testing is continuing on the alternate design using a staked pin through the side of the bolt shroud to prevent extractor rotation. It might be necessary in future test bolts to projection weld this pin in place for additional bolt shroud strength.~~

Dies for re-forming current extracts into "magnum" and "small" cal. rivetless extractors are being manufactured. M/700 "magnum" and "small" cal. bolt heads will be machined to accept these. Testing should begin in mid July.

Feasibility studies are continuing with vendors who will supply the equipment for full "in house" production of Rivetless Extractors.

K.C. Rowland 5-24-78