

Replacing Accelerator Pump Shooters

It's a surprisingly difficult task. I've never been successful in being able to reuse the shooters removed.

I start with a small chisel to remove the rivet. These cannot be typically reused.





Rivet removed

Now, what to do about extracting that accelerator pump shooter?





From the backside, you cannot get a straight with a punch or drift. Even so, your bearing against the end of a delicate soft brass bleed restrictor that is press fit. It's very easy to damage the casting because it's difficult to determine if you are actually centered in the bleed restrictor. Accordingly I extract them from the other side of the casting.

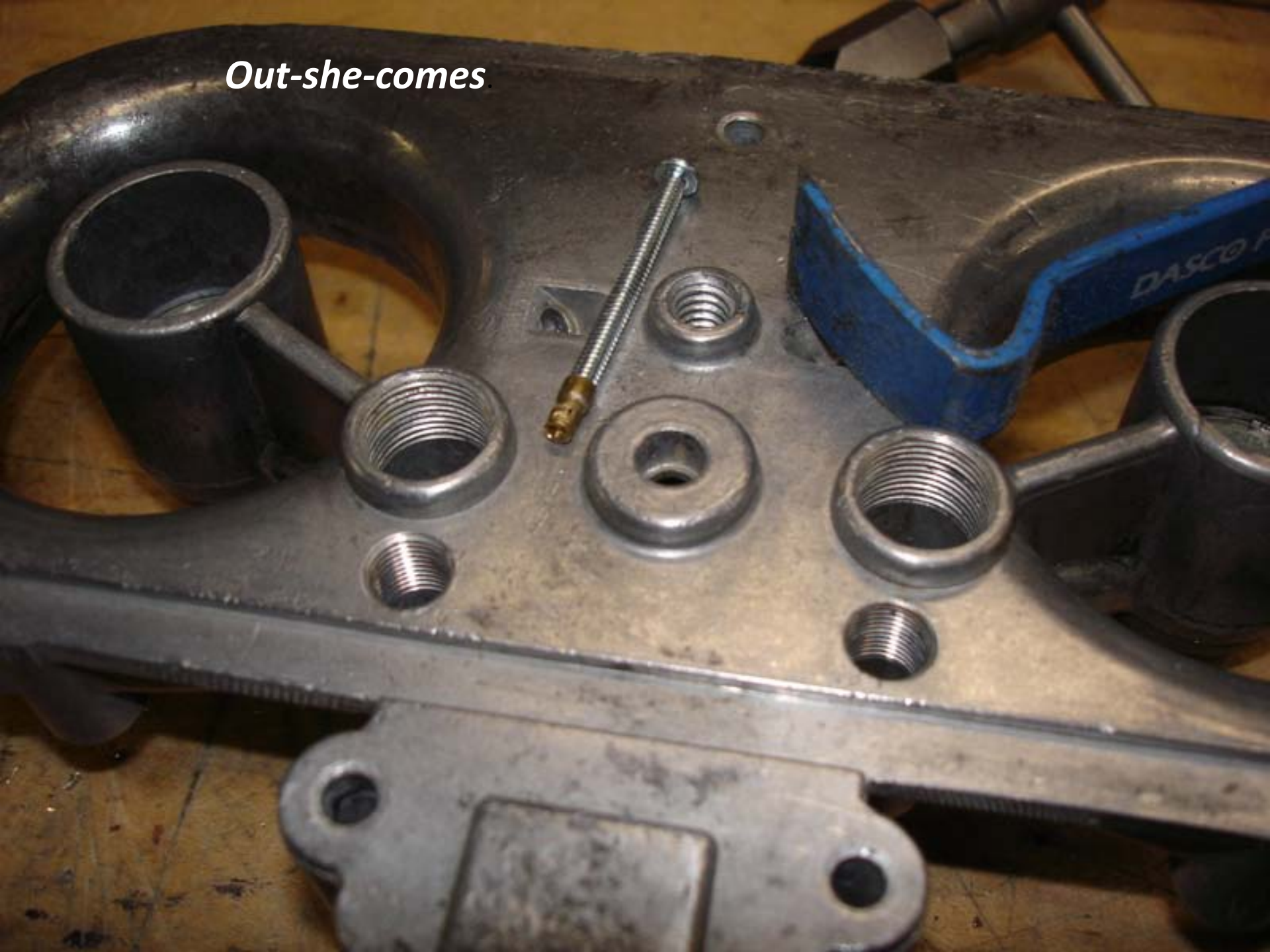
Since I've never been able to knock a shooter out without damaging it, I just drill through and tap the shooter for a 4-40 machine screw thread.



Now, merely install the screw and apply a little leverage and persuasion....



Out-she-comes



There is just enough material to accommodate tapping for 4-40 thread.





Now install new shooter and gently tap with a good fitting punch until the shooter is just at the edge of the air horn casting.



Install a new rivet to seal the deal and you're done. If you do not have a rivet, alternately I have seen the opening drilled and tapped for a set screw., used along with some thread sealant

