

SHERIDAN

Model A/B Repair Manual Supplement-2 valve rebuild procedure

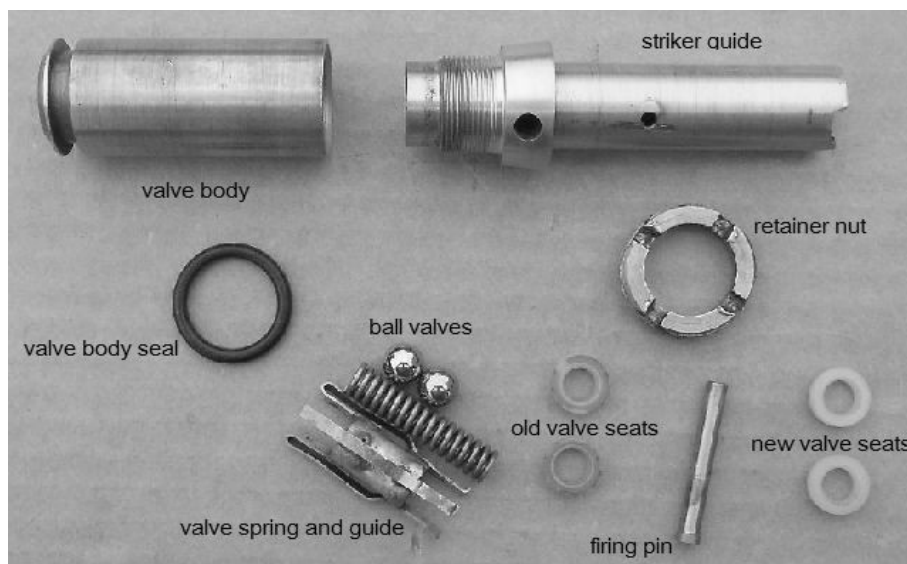
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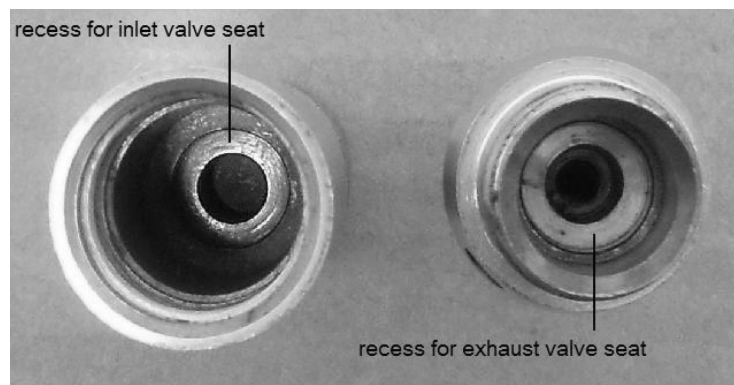
This Supplement is intended for those who have proper skills and adequate knowledge of the workings of pneumatic rifles. Otherwise, consult a qualified airgun smith who is familiar with these models.

Please note that parts are not readily available and may need to be fabricated. Also, special tools are required that may need to be fabricated. **(See Notes on pages 5 and 6)**

The valve is disassembled by unscrewing the valve body from the striker guide. This may require the use of proper sized collets and the application of heat from a propane torch.



Once the valve is disassembled and cleaned new seats are installed and valve re-assembled as follows:



seats are pressed into recesses in valve body and striker guide



seat is placed on end of this tool and pressed in as shown below
be sure seats are cleaned of burrs and apply light oil to surface to aid in installation



inlet valve seat installation

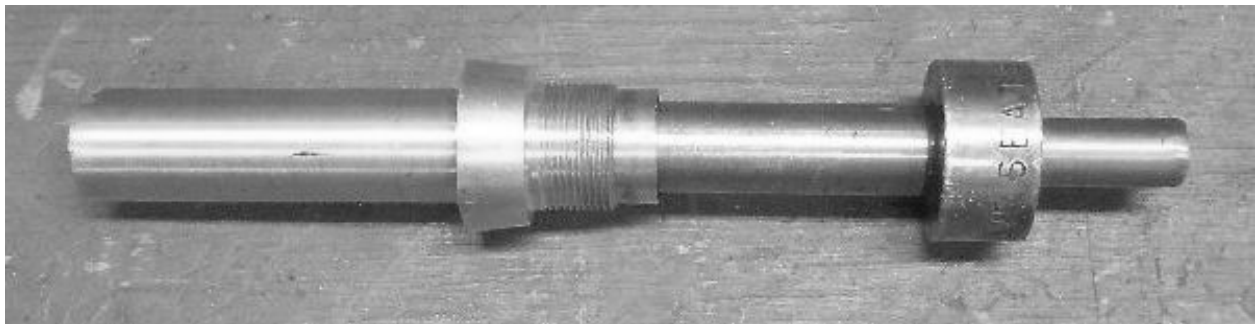
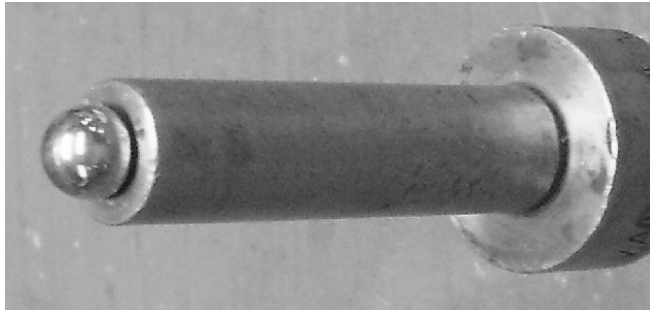


exhaust valve seat installation



this shows the new seats installed

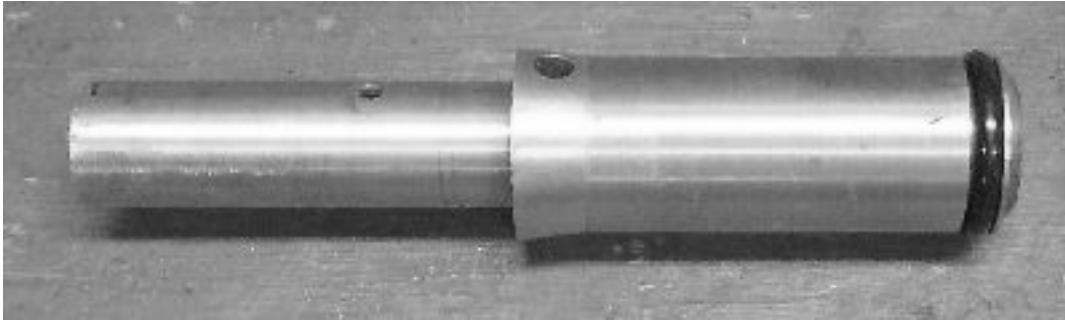
this tool is used to seat ball valves as shown below



assembly is placed upright on vise anvil and tool is hit with hammer to seat ball
use same procedure to seat ball in valve body



install valve components and use Teflon tape to seal threads
if firing pin has flared/cupped end be sure to properly install it in striker guide



screw striker guide into valve body tightly and install #208 quad seal or o-ring
note: if using o-ring the surface may need to be sanded flat for proper fit to tube



install valve in rifle and charge with 6 pumps; remove and submerge in water to check for leaks

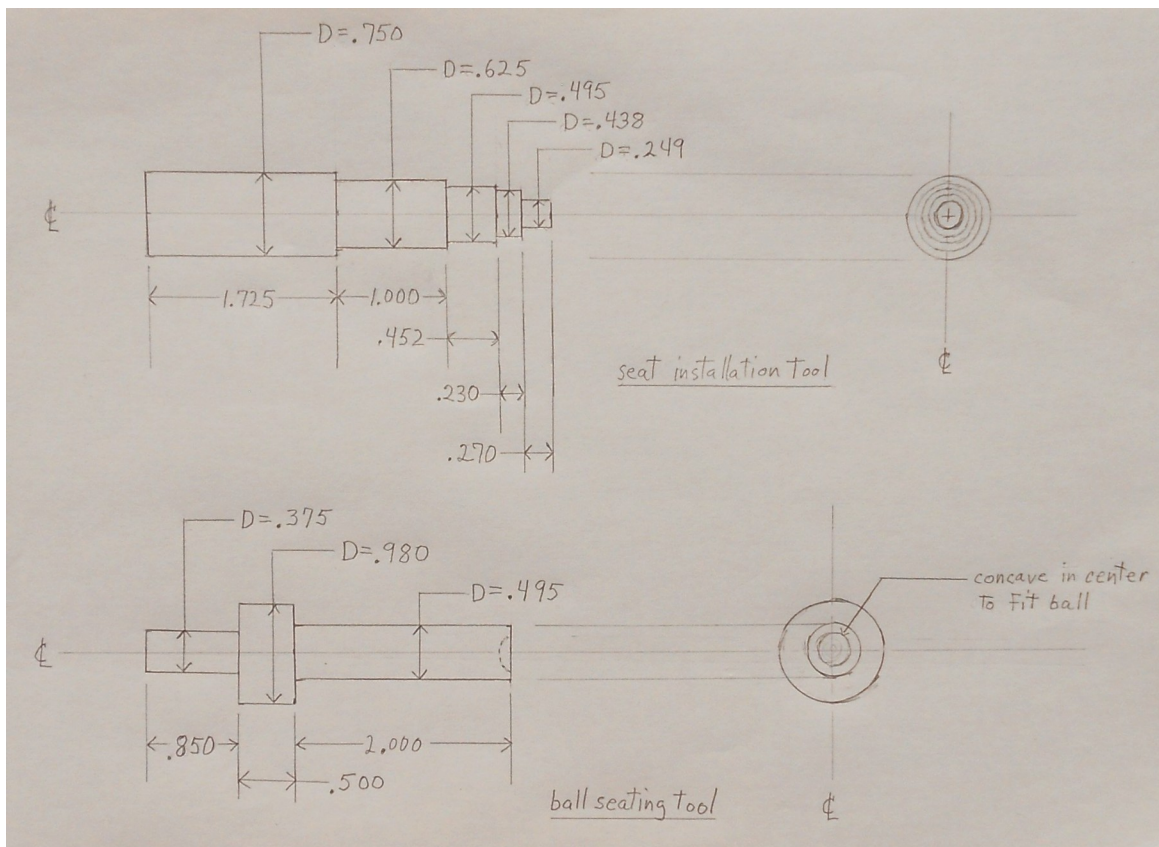
NOTES:



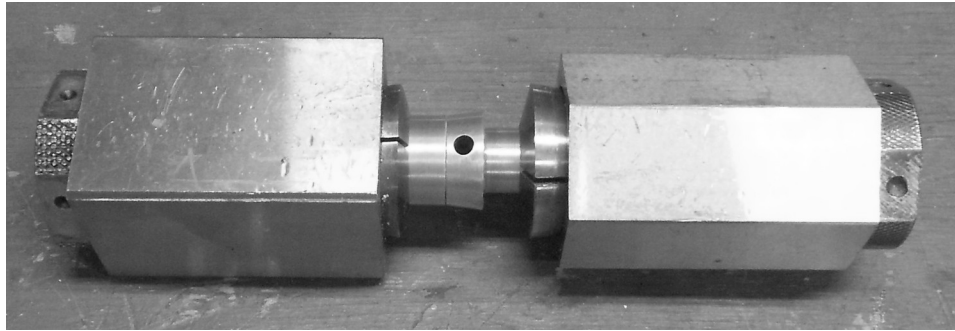
top: valve seat installation tool

bottom: ball valve seating tool

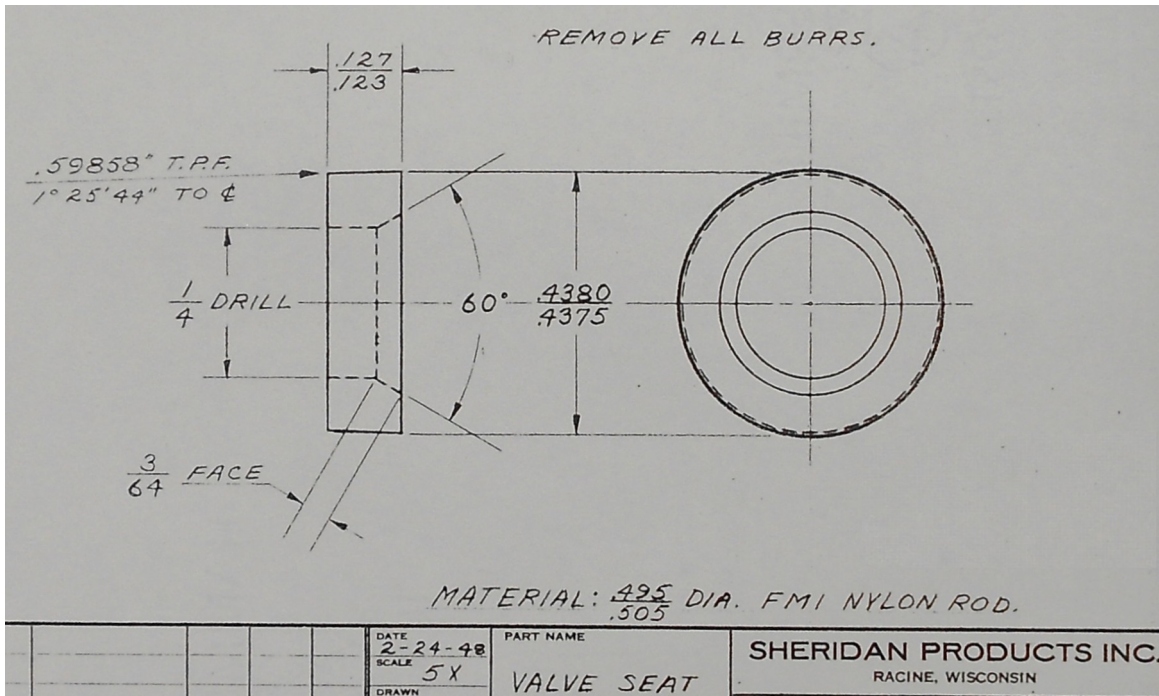
the tools pictured are made of steel but brass may be suitable



valve tools drawing
dimensions are in inches



valve secured in collets for disassembly



valve seat drawing

Replacement valve seats (air chamber seals) can be purchased from James Valdez on ebay; user id 82868