

## *Valve Repair Instruction*

**CHORE-TIME does not recommend servicing valve assemblies due to potential damage to valve components during disassembly and assembly.**

**CHORE-TIME recommends replacing any malfunctioning valve that cannot be corrected by flushing the lines or triggering the valve.**

**A valve repair tool (not supplied) is required when servicing valve assemblies.**

### **Build the Valve Repair Block**

Cut a piece of 2" x 4" so it is approximately square.

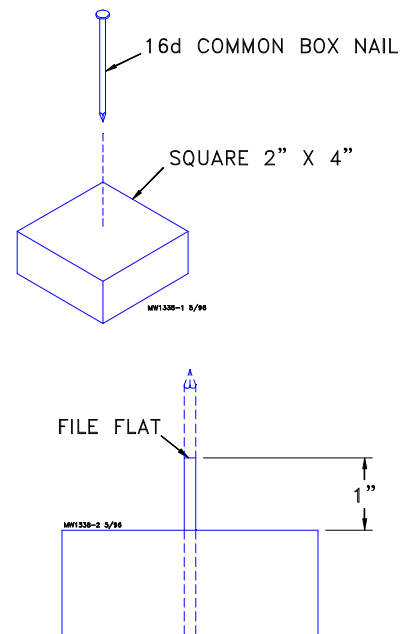
Drive a 16d nail, centered, through the block of wood. Make sure nail is square with the block of wood.

Drive the nail flush to the wood surface.

Turn the 2" x 4" over.

Cut nail so that about 1" is extending out of the block of wood.

File the nail end flat.



## *Valve Repair*

The following Repair Guidelines are given in case immediate field repair is necessary and replacement valves are not available.

### **Valve Disassembly**

Refer to the figure on page 2 for valve components and as required to disassemble and repair valves.

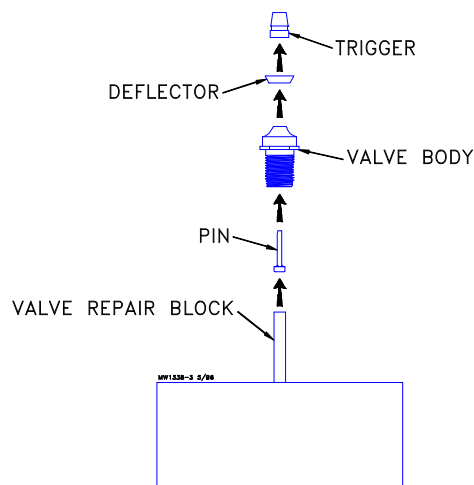
1. Using a pair of pliers, gently smash the existing Trigger until it can be easily removed from the Pin. Do not damage the Pin.
2. Turn the Valve upside down on a wood surface and push down on the Valve Body so the Pin forces the Bottom Insert out. Be careful not to bend the Pin.
3. Push the Pin out through the bottom of the Valve Body.

## Inspect the Parts

1. If an "O" Ring is used, inspect for trash and any deformity: such as being flat, cut, or fitting too loosely on the shaft. Replace if necessary.
  2. Check the inside of the Valve Body for trash and rinse with water.
- Discoloration of the Reverse Check Pin or is an indication of poor water quality.

## Valve Reassembly

1. Insert the Pin (and "O" Ring, if used) into the Valve Body.
2. Position the Valve Body upright on the assembly tool with the Pin extending out of the orifice.
3. Insert the Deflector and new Trigger onto the Pin. Be sure that the cupped side of the Deflector faces down towards the Valve Body.
4. Holding the Trigger, tap on the Trigger with a small hammer until the space between the Trigger and the Valve Body is approximately 1/16" (1.5 mm) with the Pin pulled tight.
5. Press Bottom Bushing into bottom of the Valve Body.



## Valve Repair Block Usages

The Valve Repair Block may be used on the following Valve Assemblies:

24035	Green Anti-reverse Valve
24456	5/16-24 Valve
24456-P	5/16-24 Anti-reverse Valve
24525	Black Anti-reverse Valve
24988	5/16-24 Short Trigger Valve
25200	Red Anti-reverse Black-Trigger Spring Valve
27721	Red Anti-reverse Red-Trigger Spring Valve
30330	K-Valve