

The following document was transcribed by Jim Armstrong from copies or copies of copies of original Gamewell Literature. They were provided to me by the former Chief of the Weaverville Fire Department, a very helpful man named Dick Berrien.

Maintenance Instructions for the Type "B" Diaphone Horn PP-A-22908

Remove horn assembly by unscrewing from piping after shutting off air.

Remove lower flange, being careful of paper gasket. Inspect screen and clean if necessary, using kerosene.

Remove rear cover; do not damage paper gasket.

Remove horn and flange assembly.

Remove piston through rear and clean piston and cylinder with soft cloth and carbon tetrachloride or kerosene. Do not use abrasive or gasoline. If piston should be stuck, tap lightly with a piece of wood, to remove. If this does not start piston, assembly should be returned to factory.

Examine piston, and if badly scored, replace it. If cylinder is badly scored, the housing assembly should be returned to the factory for replacement of cylinder. Do not attempt to remove cylinder from housing.

Wipe on piston a very thin film of lubricant consisting of low temperature oil and powdered graphite. Do not use ordinary oil or grease.

Replace piston and check that it moves freely in the cylinder in any position.

Re-assemble remaining parts, being careful to replace paper gaskets.

Replace horn and check blowing pressure at horn by removing plug, screwing in gauge and blowing horn. Gauge should register 30 to 35 pounds if piston is standard aluminum or lightweight brass unit. If necessary readjust reducing valve to obtain pressure within these limits.

Gauge pressure for the bronze piston is 45 to 50 pounds.