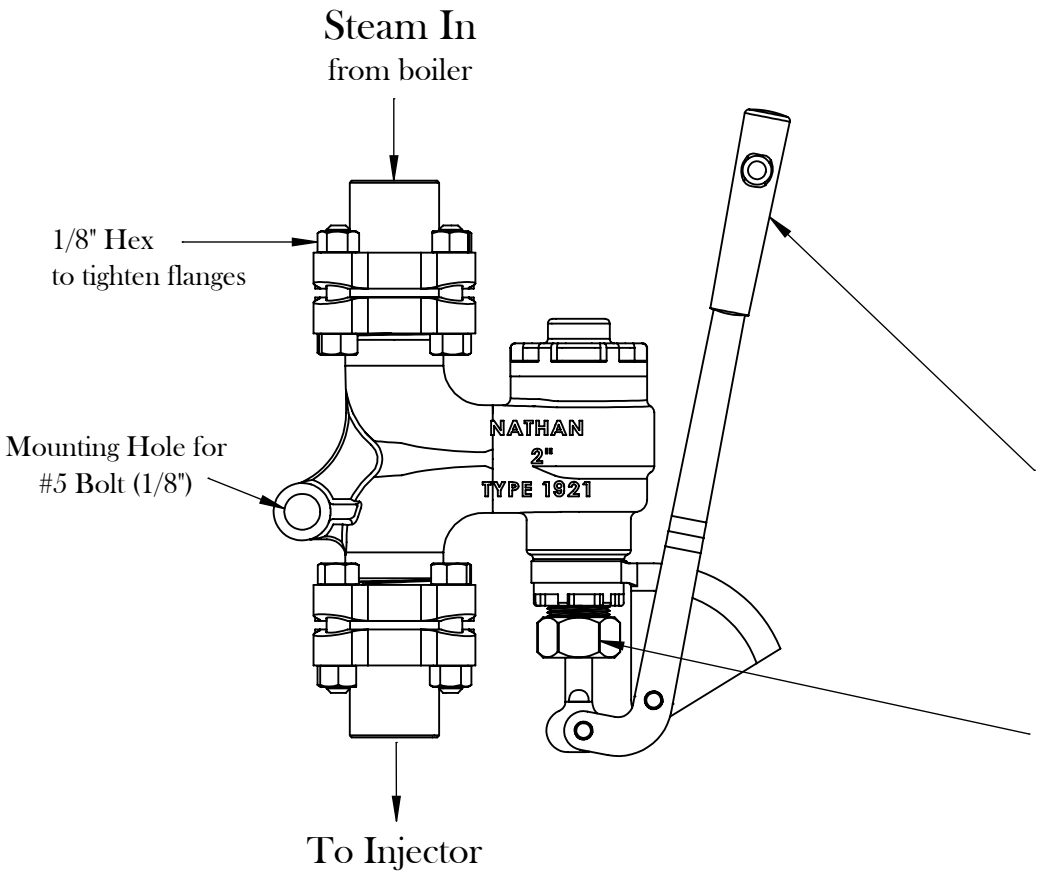

Notes on Installation:

Use only silver solder to join tubing with the ferrules!

The valve body is constantly under pressure, so it is strongly recommended to have a main shutoff prior to the starter valve. This allows the valve to be isolated in the event of a failure of a solder joint, and it is also recommended to isolate the valve prior to a hydrostatic boiler test.

1/4" tubing can be silver soldered directly into the ferrule, or 5/16" tubing can be joined using the included adapaters.

Notes on Operation:

The 1921 Starter Valve has a "priming position." This means the valve can be cracked open, allowing enough steam into the injector to cause it to draw in water. After the injector is primed, the valved can be opened fully to initiate operation of the injector. The 1921 can also be operated as a "quick start" valve by promptly opening the lever fully.

The valve stem packing nut controlls the amount of resistance on the pull lever. This should be adjusted to your liking while in steam service with a 1/4" wrench. Having it tighter allows the handle to be left in any position on the quadrant. If the handle does not stay open during operation, the packing nut needs to be tightened.

Troubleshooting:
If your valve does not fully close, this is due to the O-ring not sitting properly in the body. This can happen if the valve is opened while not under pressure, especially if it is not in its upright position. This can be fixed simply by gently tapping on the body (while upright) with no pressure in the body, or opening/closing the handle while blowing air backwards through the valve.

Eccentric Engineer		
TITLE: Nathan 1921 Injector Starting Valve		
SIZE A	DWG. NO. Operational Info	REV
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1