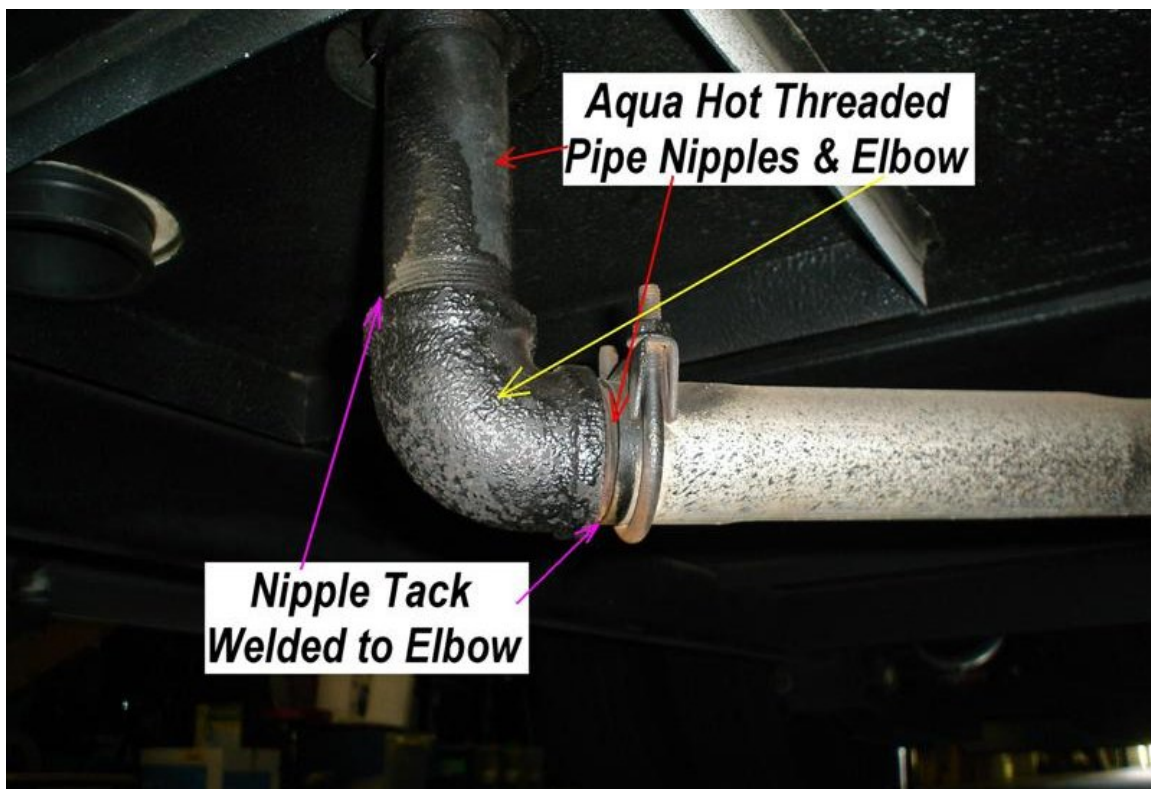




## 2010 43QGP Allegro Bus

6/17/2011

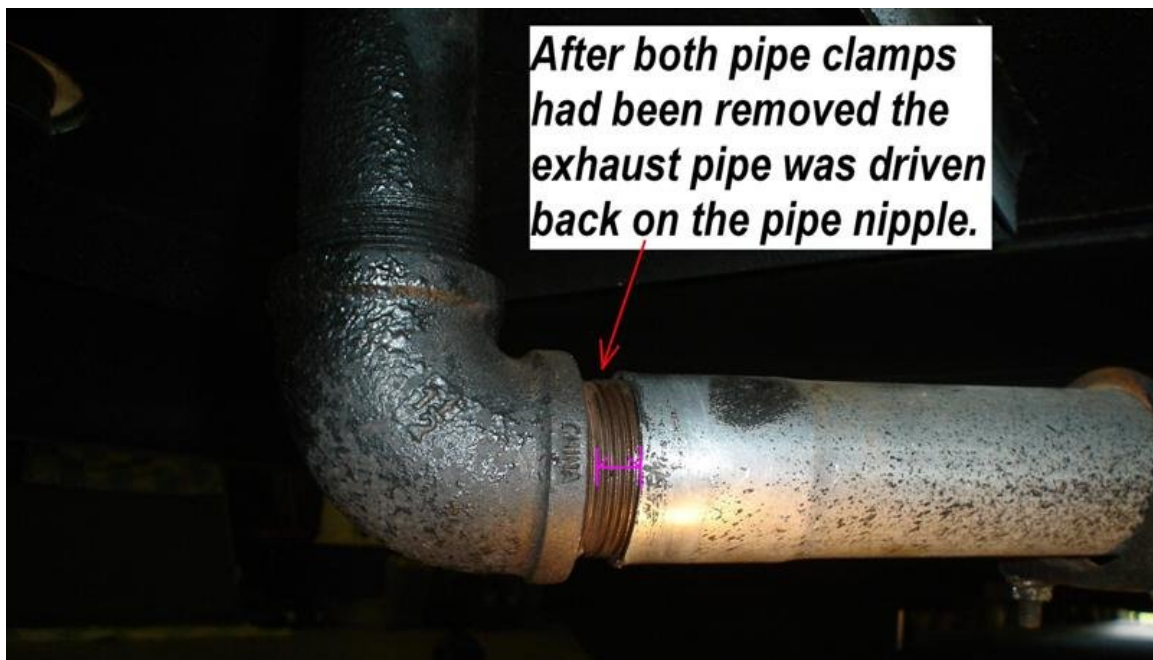
**13 – FYI - REPAIRING A AQUA -HOT EXHAUST LEAK.** Our Aqua Hot makes a high pitched sound while the burner motor is running, while trying to track down that noise an exhaust leak was found. The exhaust pipe installed by Tiffin out of the Aqua Hot is a threaded steel pipe with a 90 degree plumbers elbow attached into which a short pipe nipple is threaded into the elbow. Both nipples attached to the elbow are tack welded to prevent the nipples from being able to unthread from the elbow.



The problem I saw was an exhaust leak between the lower threaded pipe nipple and the exhaust pipe. Using this type of clamp there is no way to compress the exhaust pipe in order to seal around the threads on the pipe. After thinking about the problem then researching the different methods of sealing exhaust leaks, I decided to use the following method for sealing the Aqua Hot exhaust system's exhaust leak. The cost was about \$ 5.00 and when finished the repair becomes a permanent seal.

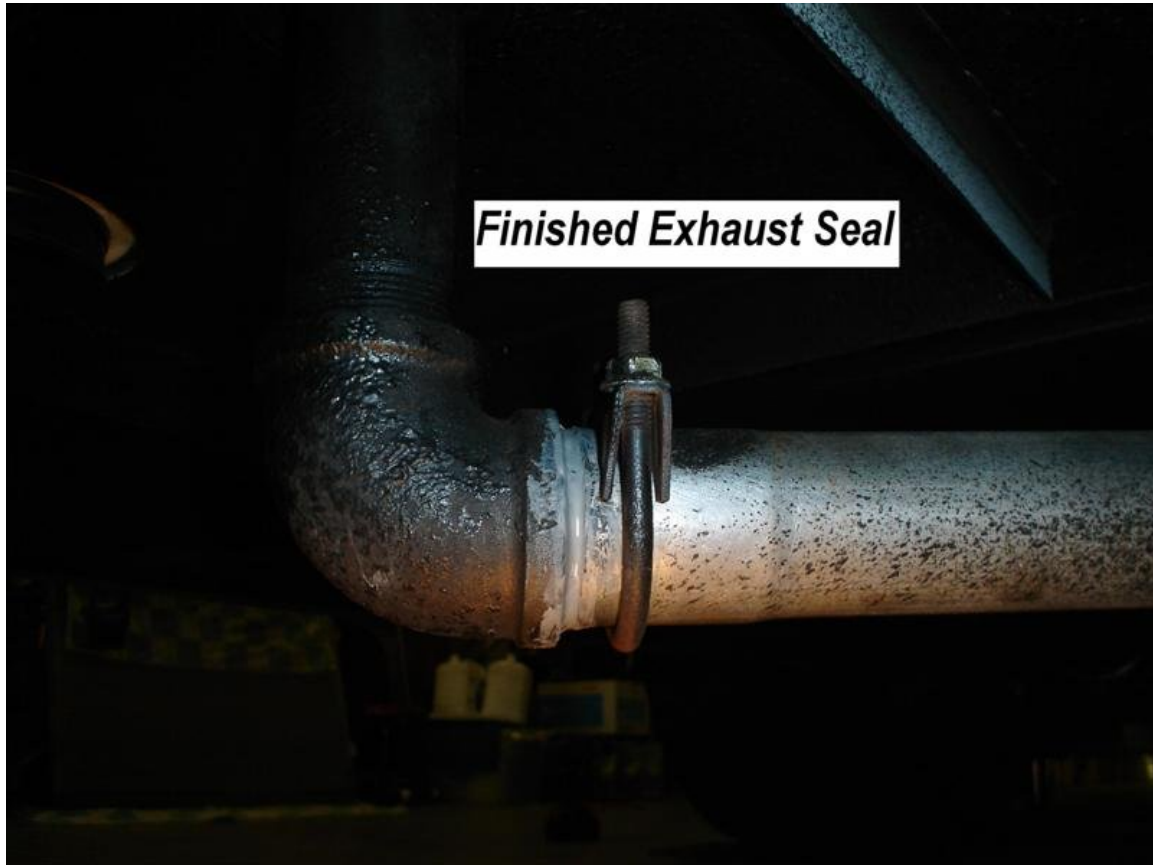


After removing both TMH installed pipe clamps on the tail pipe, it was necessary to drive the exhaust pipe back off of the pipe nipple. I was ONLY able to move the exhaust pipe back about 3/4 inch however this allowed me to apply the tailpipe sealer over the exposed pipe threads on the lower nipple.



After applying the sealer on the threads the exhaust pipe was driven back over the threads of the lower pipe nipple.

All excess sealer was removed using a damp cloth which also leaves a smooth surface on the sealer after the sealer cures.



Both pipe clamps were re-installed and tightened. After allowing the sealer to cure the Aqua Hot system was again turned on and checked for exhaust leaks.

The exhaust leak was first noticed because the exhaust system was emitting some white smoke which was slipping past the threads on the above pipe nipple. After the white smoke went away it was not possible to see the exhaust leak, however not being able to see the leak did not mean it was not still leaking. After applying the Permatex Muffler & Tailpipe Sealer over the threaded pipe nipple our Aqua Hot's exhaust system does not leak and will no longer be a safety concern or problem.