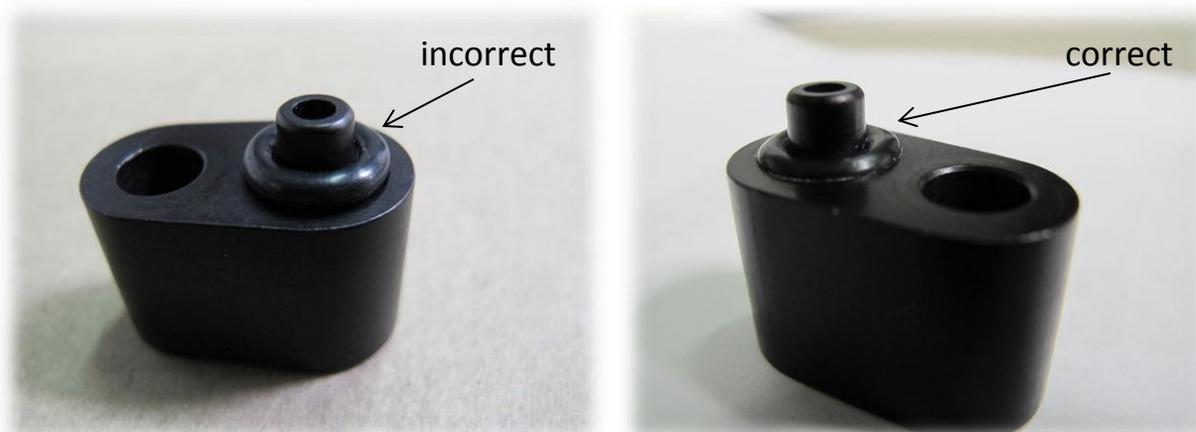


# Kurt Urban Performance Water Vapor Kit Installation Guide

1. Installation is quite simple and should only take 5 to 10 minutes with the engine on a stand. It may take a little longer if the engine is in the vehicle. Locate the water line adapters and place one of the supplied O-rings on the stem of each adapter. The photo on the left is not how you want the O-ring before installation. The photo on the right is the correct way to seat the O-ring before installing the adapter. If the O-ring is not seated correctly pinching of the rubber ring may occur.



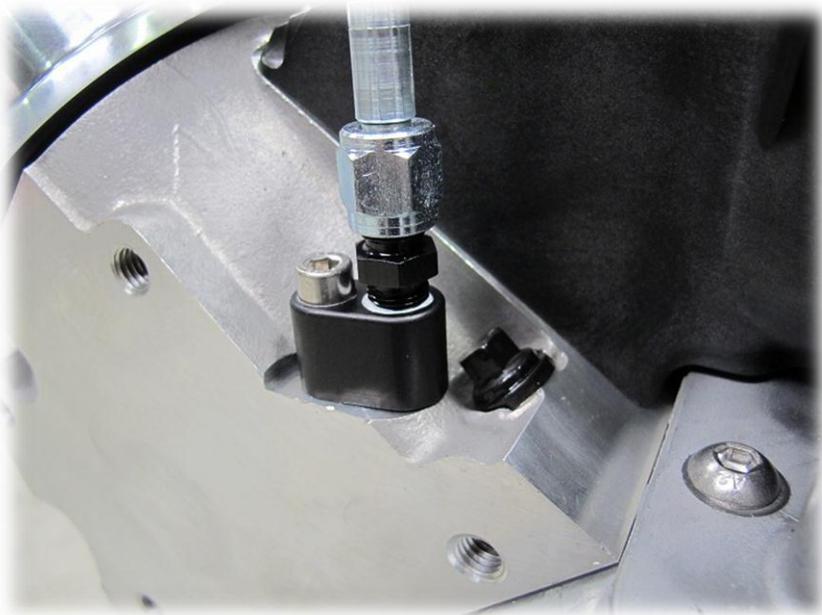
2. There are four 1/8NPT to -4AN fittings supplied with the kit. Apply thread sealant to all four fittings and thread them into the water line adapters (above). Just hand tighten for now, final tightening can be done after the adapters are fixed to the cylinder heads.



**(OPTIONAL for FAST 102mm or LS7 intakes)** You will use two of the 45-degree fittings instead of four straight fittings (these will be on the front right and rear left as you face the engine). Without the 45-degree fittings the braided steam lines will not have room to screw onto the fitting (see photo below). It is best to leave the fitting a little loose until you can secure the adapter, otherwise you will not be able to insert a hex tool into the bolt. After the bolt is tight, then tighten the fitting so that it is clocked in the best direction for your application.



3. Secure a water line adapter to each steam vent on the cylinder heads using one of the supplied stainless bolts (anti-seize is recommended on these bolts). After the adapters have been secured to the heads, go ahead and tighten the -4an fittings.



4. There are five -4an “O-ring boss” style fittings for use on the collection block. These do not require sealant because it is an O-ring fitting, however a small amount of lube should be used to prevent damaging the O-rings.



5. Apply a small amount of oil or anti-seize and screw all five fittings into the collection block and tighten with a wrench. We try to perform this action before shipping to ensure fitment, so it may already be done.



6. Attach the four provided lines to the collection block as shown. The remaining fitting on top should be plumbed back into your cooling system at the highest point possible. This may be back into the radiator below the cap, or possibly into an expansion tank. Another option is to drill the factory style water pump and return the line there with the appropriate fitting. We do not supply the lines and fittings for this as every application is different.



7. **(OPTIONAL)** Attach the collection block to the optional bracket using the supplied screws. The two tabs on the bottom of the bracket are designed to align with the factory intake manifold bolts for easy mounting. We recommend a little bit of purple or blue Loctite on the 10/32 x ¼ bolts.



NOTE: When mounting the bracket, the washers for the intake bolts do not need to be used as they may interfere with the bracket.