



COOLANT PIPE CONVERSION KIT

2007-2012 6.7L CUMMINS

INSTALLATION INSTRUCTIONS

TROUBLESHOOTING:

Please read and understand all installation instructions before proceeding with the installation. If you have questions during the installation of this product, please email H&S Motorsports support at tech@hs-motorsports.com or call (855)623-4450.

Included parts:

- 1 - HSM Billet Anodized Adapter
- 1 - Black anodized 90-degree fitting
- 1 - Hose, clamps, and hardware

STEP 1



Disconnect the vehicle batteries.

STEP 2



Using the drain valve located on the radiator, drain engine coolant into a clean bucket or pan. Completely drain the system and tighten the drain valve when finished.

Note: The coolant may be re-used if it is in good condition.

STEP 3



Unplug the sensors from the air intake system and disconnect the air intake from the turbo-charger. Carefully remove the entire air intake system from the vehicle.

STEP 4



Remove the bolt holding the factory coolant pipe assembly to the back of the water inlet bracket (located near the bottom of the pipe). Carefully rock/wiggle the pipe while pulling away from the water inlet bracket to disconnect the pipe from the bracket. Remove the factory pipe assembly from the vehicle.

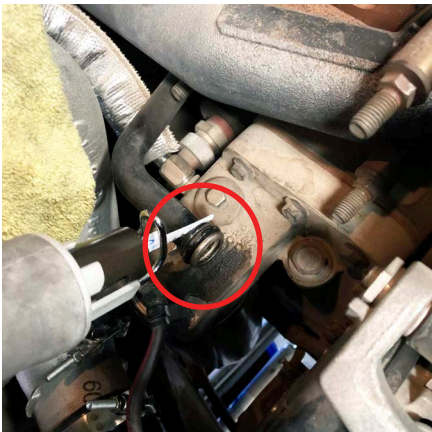
Note: Some coolant may still be present in the system. Take the proper precautions to avoid excessive spillage/mess.



STEP 5



Locate the factory coolant pipe that runs underneath the exhaust manifold. Using a mini saw or similar tool, carefully cut the o-ring fitting off the front side of the pipe as shown.



STEP 6



Carefully de-bur the end of the metal coolant pipe with sand paper/scotch brite. Clean thoroughly and ensure that there are absolutely no burrs or sharp edges remaining on the pipe end.

STEP 7



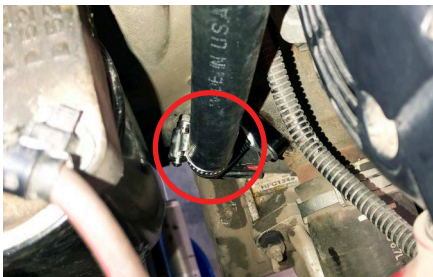
Locate the supplied HSM billet adapter fitting and 90-degree fitting. Using pipe thread sealant, install the 90-degree fitting into the billet adapter fitting. **Tighten the fitting and ensure that it is oriented in the adapter as shown.** Apply some vaseline or grease to the o-ring of the billet adapter fitting and install the fitting into the engine water inlet bracket. Secure the adapter to the water inlet bracket with the supplied 6mm x 1.0 x 20mm bolt and torque to 80 in-lbs.



STEP 8



Using the supplied 90-degree hose and (2) clamps, install the hose between the newly installed fitting and the previously cut coolant pipe as shown. Tighten clamps after achieving proper fitment.



STEP 9



Re-fill the cooling system with clean engine coolant. Re-install the air intake system and reconnect all sensors. Re-connect the vehicle batteries.

STEP 10



Start the vehicle and ensure there are no leaks present. After verifying that no leaks are present, allow the engine to achieve normal operating temperature. Bleed and top off the engine cooling system as necessary.

Enjoy your HSM Coolant Pipe Conversion!



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