



INTERCOOLER PIPE UPGRADE SYSTEM

2011 - 2016 6.7L POWER STROKE | 122001

INSTALLATION GUIDE

HS-MOTORSPORTS.COM

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INTERCOOLER PIPE UPGRADE SYSTEM

6.7L FORD POWER STROKE



TROUBLESHOOTING

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

INCLUDED PARTS

- 1 - HSM Billet Aluminum Throttle Body Adapter
- 1 - Straight Silicone Boot
- 1 - Stainless Steel Intercooler Pipe
- 1 - Pack of Installation Hardware
- 1 - 90 Degree Silicone Boot

NOTE: Custom tuning must be used with this product. This kit may not work with some factory parts installed.

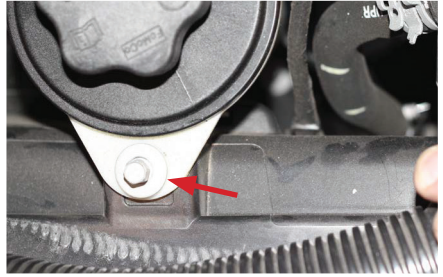
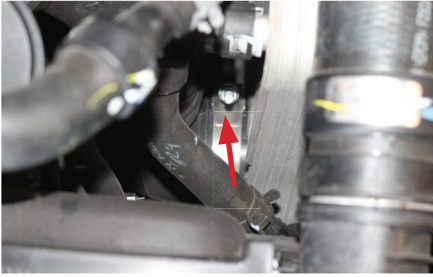
STEP 1

Disconnect the intake air temperature sensor connector from the back side of the factory intercooler pipe. Remove the clips holding intake air temperature sensor wiring harness to the fan shroud.



STEP 2

Remove the t-bolt clamp at the factory intercooler connection. Remove the factory power steering reservoir bolt from the fan shroud and set aside.



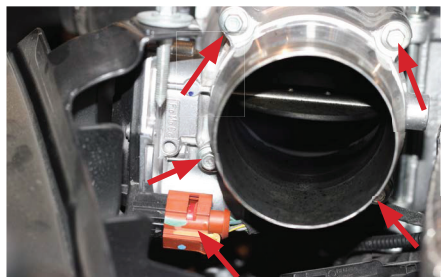
STEP 3

Remove the large locking C-clip at factory throttle body connection and remove the factory intercooler pipe assembly from the vehicle.



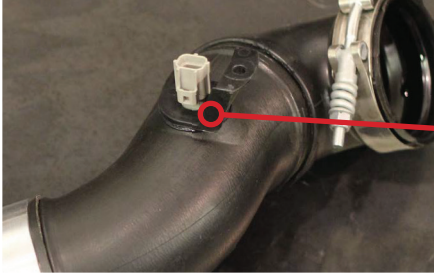
STEP 4

Disconnect the throttle actuator connector and move the connector to a safe location away from the fan belt or other moving parts. Remove the four bolts holding factory throttle body to the intake manifold and remove factory throttle body assembly.



STEP 5

Release the factory intake air temperature sensor locking tab and twist the sensor to remove it from the factory intercooler pipe. Install the previously removed sensor into the supplied HSM throttle body assembly.



STEP 6

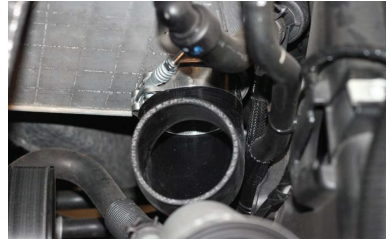
Using the factory throttle body gasket and the supplied (4) 6x1.0x20mm allen bolts, install the HSM throttle body assembly onto factory intake manifold as shown. Torque the bolts to 12 ft lbs

NOTE: *Due to a non-symmetrical design, the throttle body and gasket can only be installed one way.*



STEP 7

Using supplied clamps, loosely install the provided 90 degree boot onto the factory intercooler as shown. Make sure when installing the long leg of the steel pipe into the 90 degree boot on the factory intercooler, the leg is pushed down into the bottom of the boot radius as shown.



Note: Make sure when installing the clamp on the intercooler end of all boots to be sure the clamp is pushed up close against the intercooler outlet as shown, so the intercooler outlet does not cut the boot if the clamp is tightened too far out.



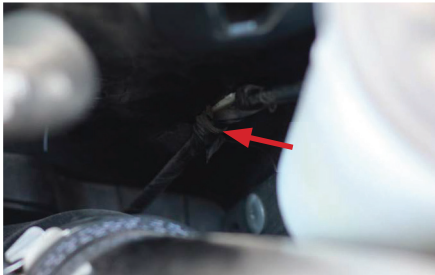
STEP 8

Locate the supplied HSM stainless intercooler pipe and ensure that the pipe is clean and clear of any dirt or debris. Using glass cleaner or some other water-based liquid as a lubricant, slide the long leg of the supplied HSM stainless intercooler pipe into the previously installed 90 degree boot on the intercooler. Using the supplied 3" straight boot and t-bolt clamps, connect the short leg of the stainless pipe to the HSM throttle body and maneuver the assembly into place as shown. After the proper orientation has been achieved, tighten all t-bolt clamps.



STEP 9

Reconnect the factory intake air temperature sensor. Drill a small hole in the top of the factory fan shroud and zip tie the intake air temperature sensor wiring harness to secure. The factory clip on the wiring harness may be reinstated into lower hole in the fan shroud.



STEP 10

Install the supplied HSM power steering relocation bracket as shown with the previously removed factory bolt and the supplied 1/4" hardware. Adjust the power steering reservoir so it is not interfering/rubbing on anything and tighten all hardware.



STEP 11

Please make sure to check the level of the coolant in the secondary cooling system. Failure to do so may cause overheating of the intercooler system and premature boot failure.

KIT INSTALLED





**1222 S. HILLCREST DR.
WASHINGTON, UT 84780**

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