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**2011-2016 Ford 6.7L CAC Pipe
Upgrade Kit
Installation Instructions**

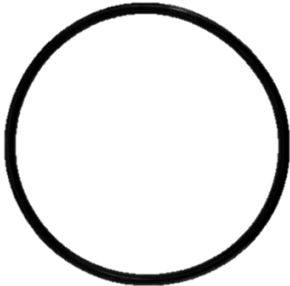
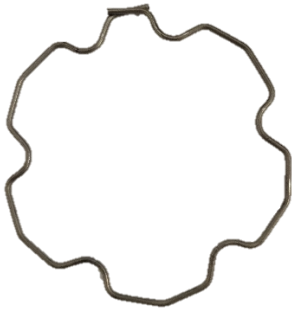

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Please read all instructions carefully before installation

Kit Contents

1401591	1401593
	
Bent Intercooler Pipe Qty: 1	Throttle Valve Adapter Qty: 1

1401592	1405305
	
90 Ribbed Boot Qty: 1	3"x 4" Straight Boot Qty: 1

FT-922056108	1401594	1405211
		
Viton, O-Ring Qty: 1	E-Clip; Throttle Valve Qty: 1	Constant Tension Clamp Qty: 4

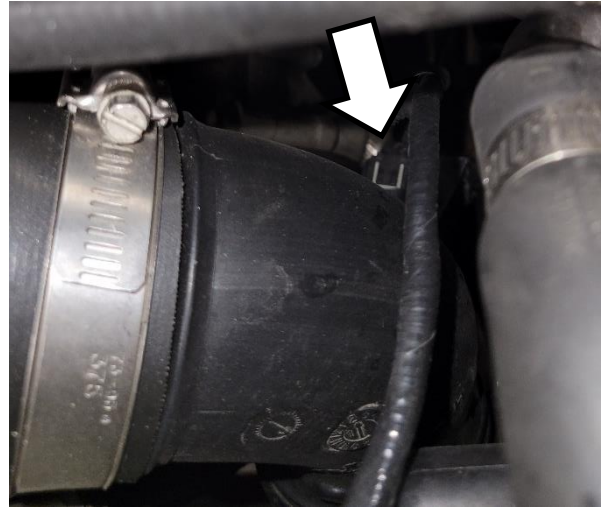
Tools Required for Installation

- 11mm, 13mm, 5/16" sockets
- Ratchet wrench
- O-Ring grease
- Flat Screwdriver

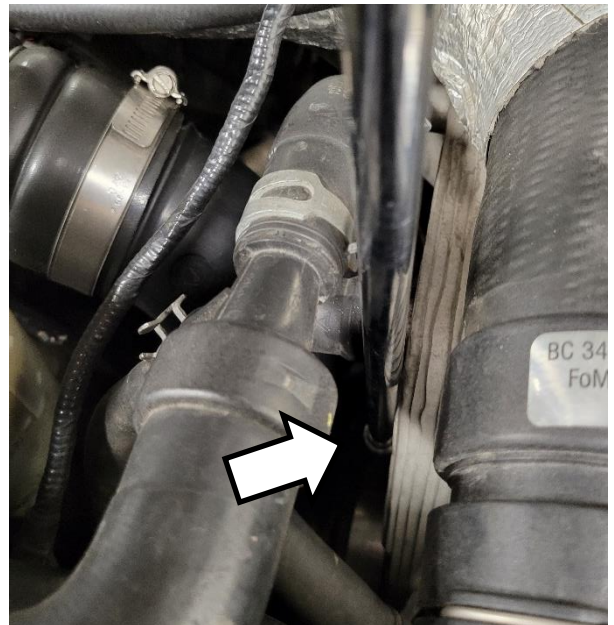
Installation

Disconnect both vehicle batteries before installation for safety.

Disconnect the Intake Air Temperature (IAT) sensor connector from the rear of the factory pipe.



Loosen the lower intercooler pipe T-Bolt clamp.



Remove the large metal E-Clip from the factory intercooler pipe at the throttle valve and pull pipe from throttle valve.



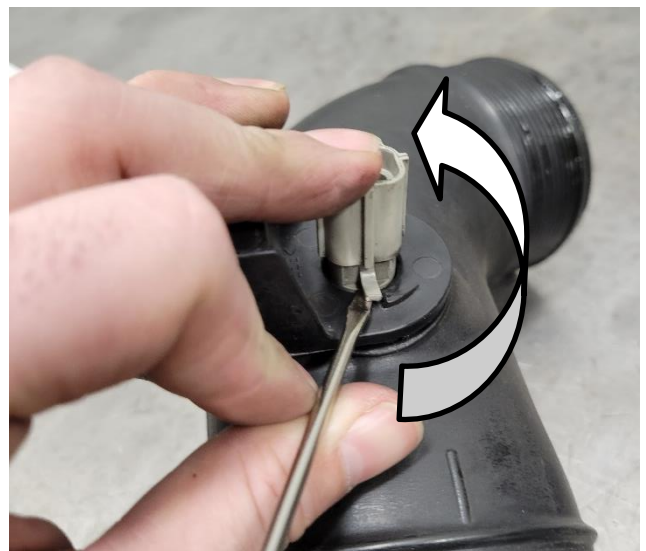
Loosen the clamps on the center silicone hump hose. Pull the plastic throttle valve adapter off of the factory throttle valve and separate from the lower pipe section.



Pull on the pipe to disengage it from the ribbed feature on the intercooler. Remove the factory pipe assembly from the vehicle.



Gently remove the IAT sensor from the factory intercooler pipe by twisting CCW and lifting on the locking tab.



With a light coat of O-ring lube, install the new, supplied O-ring into the groove on the inside of the Throttle Valve Adapter.

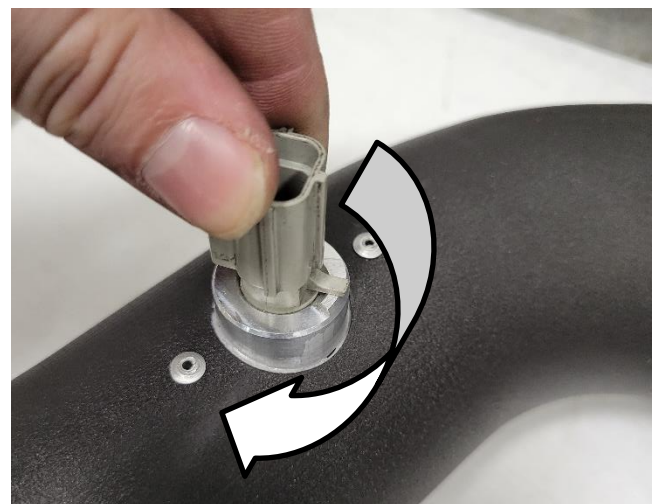


Slide the Throttle Valve Adapter into position on the engine and lock into place using the new locking clip supplied.

Ensure the clip is fully seated into the groove by gently pulling the adapter and feeling it snap into place



Insert IAT sensor into the adapter in the new intercooler pipe. Twist into position so that the sensor lock tab engages the raised locking feature.



Slide the Non-Ribbed inlet of the 90 deg boot onto the bent end of the intercooler pipe. Align the boot and tighten a clamp onto the pipe.

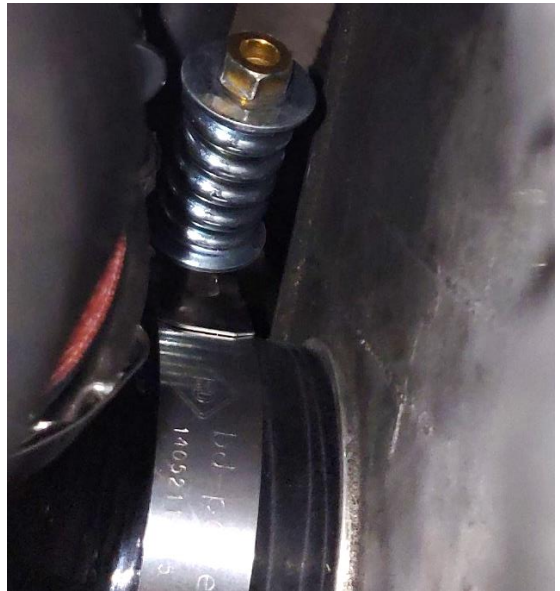
This clamp is difficult to tighten once in the vehicle. For best results, test fit the alignment of the boot and pipe before tightening the clamp. This can take multiple attempts as the alignment is important.



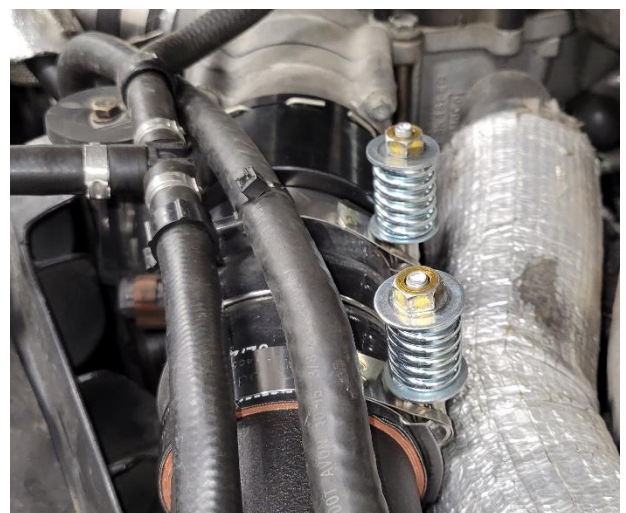
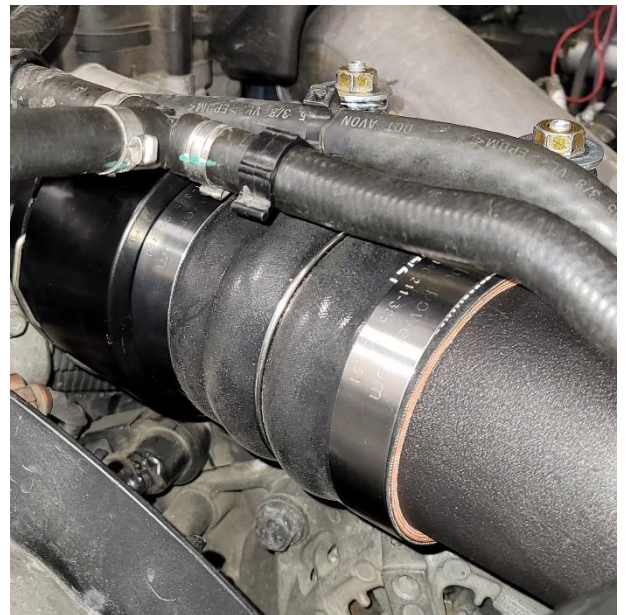
Slide the straight boot onto the intercooler pipe and place the clamps loosely into position on the pipe.



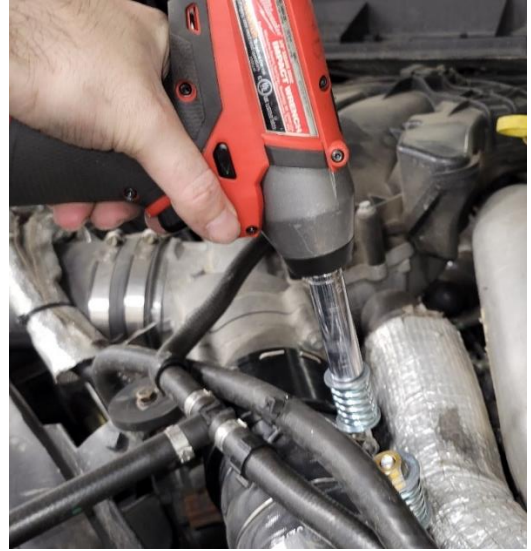
Install the assembled intercooler pipe into the engine bay. Slide the boot onto the intercooler outlet ensuring the rib becomes properly seated and flush against the intercooler as pictured



Slide the straight boot onto the Throttle Valve Adapter and align the components to ensure clearance on surrounding components.



Once aligned, tighten all clamps until the tension springs are fully compressed.



Plug IAT harness into the sensor on the pipe.



Reconnect both vehicle batteries.

The install is now complete.

