

INSTALLATION INSTRUCTIONS

PUMP OUTLET ADAPTER CHECK VALVE

UNIVERSAL

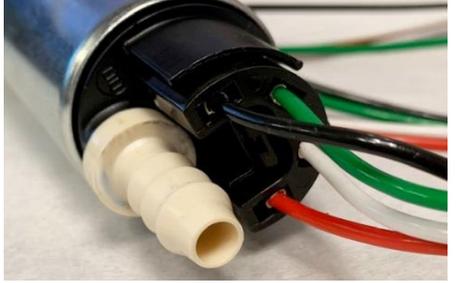
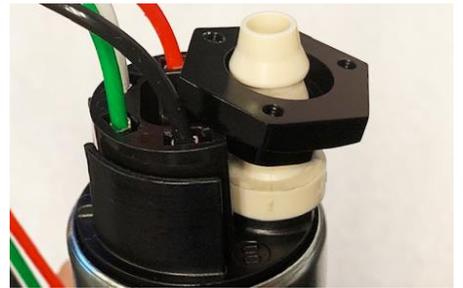
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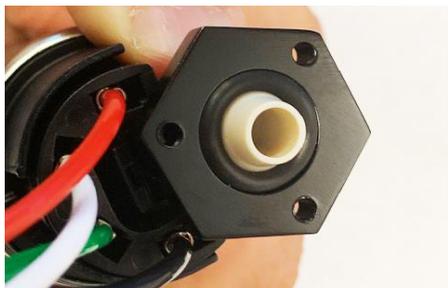
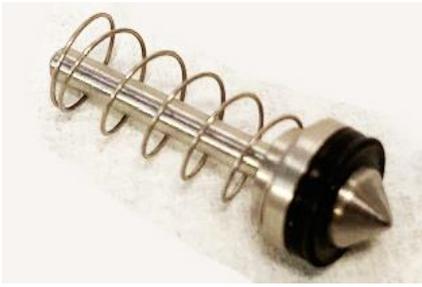
THESE ADAPTERS ARE ONLY COMPATIBLE WITH SPECIFIC FUEL PUMP OUTLETS INCLUDING:

- TI AUTOMOTIVE E5LM BRUSHLESS
- WALBRO/TI AUTOMOTIVE F90000267/274/285/295
- BOSCH BR540/DEATSCHWERKS DW400

NOTES:

1. USE CAUTION WHEN WORKING ON FUEL SYSTEMS.
2. ALWAYS WORK IN A WELL VENTILATED AREA AND CLEAN UP FUEL SPILLS IMMEDIATELY.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1		<p>Check that the fuel pump outlet does not already have a check valve installed.</p> <p>Shown are 2 pumps with integrated check valves. The check valve on the pump to the left is easily found. Whereas, the check valve in the fuel pump to the right is installed further down in the pump outlet.</p>	
2		<p>Inspect the pump outlet hose barb. If the hose barb is deformed or damaged, the Radium check valve pump adapter should NOT be used.</p> <p>An example of a deformed hose barb is shown at right.</p>	
3		<p>For the Ti Automotive E5LM brushless fuel pump ONLY, the 4-pin wiring connector MUST first be installed to the electrical terminals, as shown.</p>	
4		<p>To install the check valve, first slide the black collar over the pump outlet with the flat surface upward, as shown.</p>	

5		Next, slip the stainless steel retainer under the hose barb ridge closest to the end of the pump outlet opening. Be patient as this will take a little bit of work.	
		NOTE: Prior to March 2020, the retainer will be C-shaped. If purchased after March 2020, the retainer will be 2-piece half circles as shown.	
		Pull the collar up to confirm the retainers lock into place as depicted.	
6		Place the included O-ring on the pump outlet, as shown.	
		Slide the black collar upward and tuck the O-ring into the groove, as shown.	
7		Place the O-ring onto the check valve plunger groove, as shown.	
8		Place the provided spring around the plunger rod, as shown.	
9		Insert the plunger rod through the internal center hole of the adapter fitting.	
		NOTE: The 6AN male version is shown. The process is the same for the barbed variation.	
10	2.5mm Allen Wrench	Apply a high strength thread locking compound to the threads on the 3 included bolts. Line up the green fitting holes to the black fitting threads.	
	Thread Locker		

11		After tightening all bolts evenly, inspect the internal side of the green fitting.	
		When installed properly, the plunger should be slightly sticking out of the center hole at rest, as shown.	
12		The barbed adapter variation is shown.	
		Installation complete	