



INSTALLATION INSTRUCTIONS DIRECT MOUNT FUEL FILLERS

Document: 19-0207

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<p>This document is for the following Radium Engineering P/Ns: 20-0148, 20-0148-V, 20-0197, 20-0197-V, 20-0360, 20-0495-V, 20-0549-V</p> <p>NOTE: The Radium Fuel Cell Surge Tank (FCST) fill flange uses a 6-bolt, 2.18" (55mm) bolt circle with 1/4"-28 threaded holes.</p>	CAUTION
	<p>Only a qualified technician following applicable safety procedures should perform the installation of this product. One must have knowledge in repair and modification of fuel systems and general vehicle modifications to install this product.</p> <p style="text-align: center;">Gasoline and other fuels are flammable and can be explosive.</p> <p>Only install in a well-ventilated location to minimize buildup of fuel vapors.</p> <p>No sparks, open flames, smoking or other ignition sources are to be present. Draining and removal of all fuel from the fuel system is recommended. Proper eye and personal protection is required at all times during installation.</p>
	WARNING
<p>The fuel system is under pressure! Do not loosen any connections until relieving the fuel system pressure. Consult a service manual for instructions on relieving fuel pressure safely. This product is designed for off-highway and racing use only. Fuel system components may not be legal for sale or use on emissions controlled motor vehicles. Consult local, state, and federal laws.</p>	

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	5/32" Allen Wrench	20-0197 Direct Mount Fill Neck Place the gasket than the fill neck down and torque the 6 bolts to 32in-lbs. NOTE: 20-049X-XX FCSTs do not require sealing washers.	
	Oil Lubrication		
		20-0197-V Direct Mount Fill Neck, Vented Place the gasket than the fill neck down and torque the 6 bolts to 32in-lbs. NOTE: 20-049X-XX FCSTs do not require sealing washers.	
2	Oil Lubrication	20-0148 Fill Neck Cap Apply a light coat of oil lubrication to the cap's O-ring. Spin the cap clockwise to fully tighten.	
	Wire Cutter		
	Wire Crimper	20-0148-V Fill Neck Cap, Vented Apply a light coat of oil lubrication to the cap's O-ring. Spin the cap clockwise to fully tighten.	
	5/64" Allen Wrench		
		To install the tether, crimp the ring terminal to the cable. Slide the compression sleeve over the wire. Wrap the cable around the fill neck. Crimp the compression sleeve to the cable. Secure the cable to the cap using the included bolt, as shown.	
3	5/32" Allen Wrench	20-0495-V Dry Break, 1.5in, Female, Direct Mount, Vented Using the knurling for grip, unscrew the top portion of the dry break from the bottom section counter-clockwise.	
	Oil Lubrication		
		Place the gasket down. Next, put the bottom portion of the dry break down and torque the 6 bolts to 32in-lbs.	
		Make sure the O-ring on the top portion of the dry break is lubricated. Spin the dry break back together.	
		20-0549-V Dry Break, 1.5in, Female, Vented Apply oil lubrication to the cap's O-ring and spin clockwise to tighten.	
4	5/32" Allen Wrench	20-0360 Fill Neck Block-Off Kit Place the gasket than the fill neck down and torque the 6 bolts to 32in-lbs. NOTE: 20-049X-XX FCSTs do not require sealing washers.	