



# INSTALLATION INSTRUCTIONS MAZDA 13B-REW ACV DELETE

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<b>CAUTION</b>
<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><b>Gasoline and other fuels are flammable and can be explosive.</b></p> <p>Only install in a well-ventilated location to minimize buildup of fuel vapors. 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>
<b>WARNING</b>
<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	10mm Wrench	<p>If the fuel system will be opened, there is potentially residual pressure in the fuel lines. It is recommended to disconnect the green fuel pump relay (shown) in the fuse box next to the battery. Run the engine until it stalls.</p> <p>Disconnect the negative battery terminal.</p>	
2	17mm Wrench	<p>Reference the Factory Service Manual to remove the upper intake manifold and all associated vacuum lines, oil lines, solenoids, etc. The lower intake manifold can remain installed. Disconnect the fuel lines with a 17mm wrench and pliers. Unscrew the fuel rail mounting bolts using a 12mm wrench. Remove the fuel rail assembly from the vehicle and drain all of the remains in a fuel safe container. Place the assembly on a work bench.</p> <p>For protection, cover the intake manifold and injector ports to prevent debris from accidentally falling into the engine.</p>	
	Pliers		
	12mm Wrench		
3	10mm Socket	<p>Remove the three M6 nuts and pull the ACV off the intake manifold.</p>	
4	10mm Wrench	<p>To remove the OEM ACV mounting studs, install two of the OEM M6 nuts onto each stud. Mate the flange sides together. Next, lock them together, as shown.</p>	
	10mm Socket		

5	10mm Wrench	<p>Unscrew the lower nut to loosen and remove each stud from the intake manifold, as shown.</p>	
6		<p>Inspect the ACV gasket (shown). Replace if necessary.</p> <p>Mazda P/N: N3A3-13-996</p>	
7	4mm Allen Wrench	<p>Place the ACV gasket down and then the Radium delete plate. Tighten using the supplied screws.</p> <p>Reinstall all components in reverse order.</p> <p><b>Installation Complete</b></p>	