

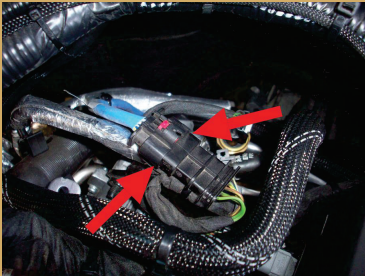
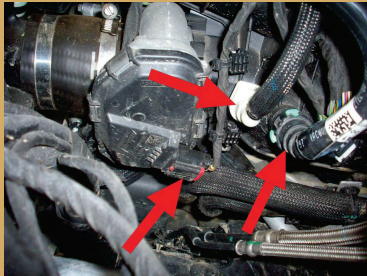
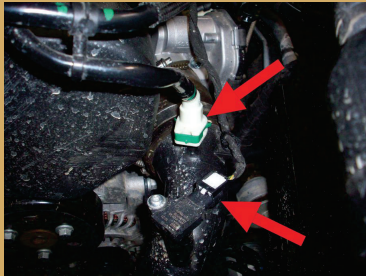
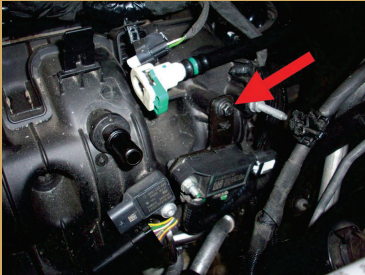
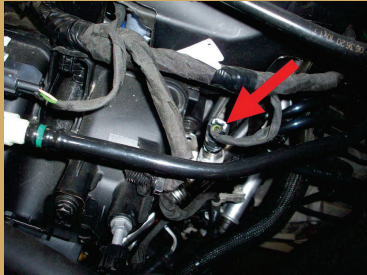
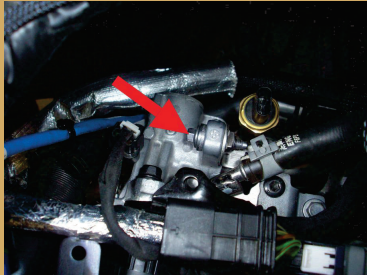

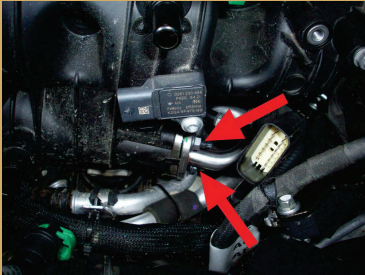
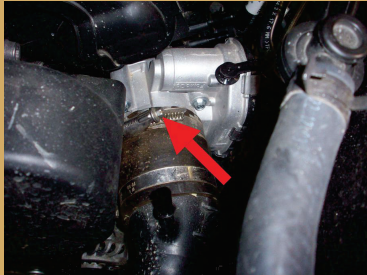
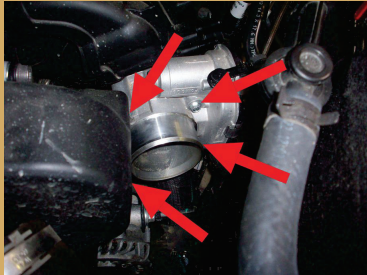
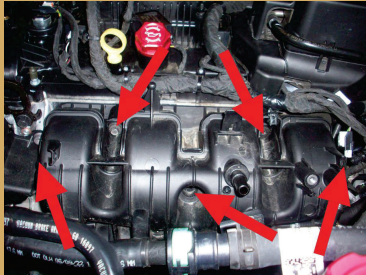
BRONCO / RANGER 2.3 INTAKE AND TB SPACER

TOOLS REQUIRED

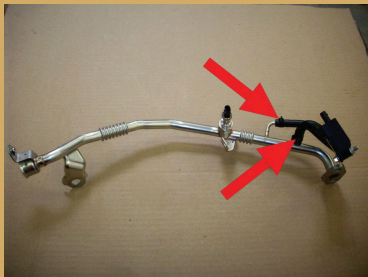
M7 socket wrench
M8 socket wrench
M10 socket wrench
T30 Torx toolbit
5 MM allen wrench
6 MM allen wrench
E5 tool bit
Dremel

TOOLS REQUIRED

MATERIALS REQUIRED

<p>1</p>	<p>Disconnect the connectors on the exhaust side of the engine.</p>	<p>2</p>	<p>Disconnect the electrical connectors and the vacuum lines on the intake manifold. Remove the harness retention clips.</p>
			
<p>5</p>	<p>Remove the EGR valve.</p>	<p>6</p>	<p>7</p>
			<p>8</p> 
<p>9</p>	<p>Remove the screws securing the EGR pipe to the intake manifold. Remove the threaded studs completely. Remove the EGR tube.</p>	<p>10</p>	<p>11</p>
			<p>12</p> 

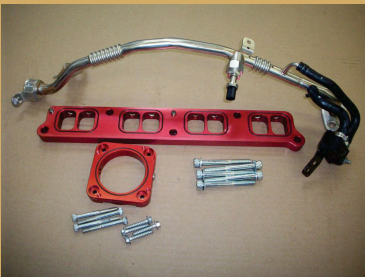
13 Remove the EGR valve from the old EGR tube. Install the valve on the supplied EGR tube.



14 Cut the throttle body screws to 1.25" (32 mm) long.



15 Prepare the Boomba Racing intake manifold and throttle body spacers for installation.



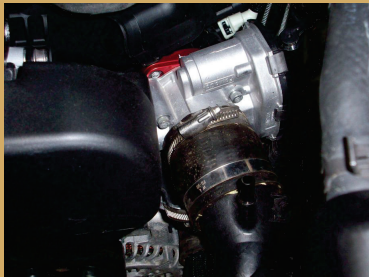
16 Install the intake manifold spacer and secure the intake manifold to the engine head.



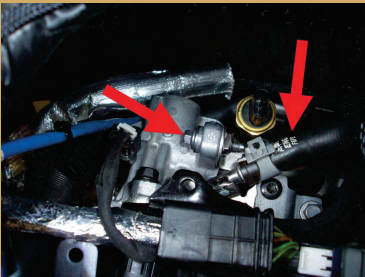
17 Secure the throttle body spacer to the intake manifold with the shortened OEM screws.



18 Reinstall the throttle body. Reinstall the charge pipe.



19 Install the EGR pipe. Secure it the engine on the exhaust side of the engine. Finger tight only. Leave some play to be able to move the EGR pipe around.



20 Start the nuts on the EGR studs. Make sure that the E5 spline is accessible.



21 Align the EGR tube with the intake manifold. Thread both of the studs in the manifold. Drive the studs all the way into the manifold.



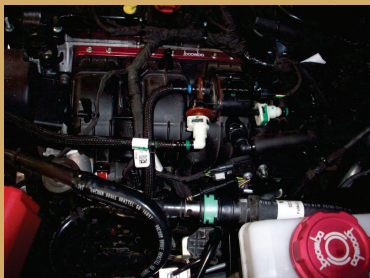
22 Tighten the nuts to secure the EGR tube to the intake manifold. Tighten all of the fasteners securing the EGR tube.



23 Reconnect the electrical connectors on the exhaust side of the engine.



24 Reconnect the electrical connectors and the vacuum lines on the intake manifold.



25 Reconnect the electrical connector and the vacuum line on the charge pipe.

