

VELOSTER N THROTTLE BODY AND INTAKE SPACERS

TOOLS REQUIRED

M10 socket wrench
M12 socket wrench
5 MM allen wrench
6 MM allen wrench
Flat screw driver

Pliers
Vise grips
Dremel rotary tool

MATERIALS REQUIRED

<p>1</p> <p>Remove the under tray. IF INSTALLING THE THROTTLE BODY SPACER ONLY SKIP TO THE STEP 2</p>	<p>2</p> <p>Remove the engine cover.</p>	<p>3</p> <p>Remove the air intake.</p>	<p>4</p> <p>Remove the air filter box.</p>
			
<p>5</p> <p>Remove the vacuum line from the intake manifold.</p>	<p>6</p> <p>Disconnect the electrical connectors from the devices located on the charge pipe.</p>	<p>7</p> <p>Use the vise grips to loosen the hose clamps on the charge pipe elbow. Remove the elbow. IF INSTALLING THE INTAKE MANIFOLD SPACER ONLY SKIP TO THE STEP 10</p>	<p>8</p> <p>Remove the Throttle body.</p>
			
<p>9</p> <p>Prepare the Boomba Racing throttle body spacer.</p>	<p>10</p> <p>Install the throttle body with screws provided. Spacer's o-ring must face the throttle body and logo must be facing out. IF INSTALLING THE THROTTLE BODY SPACER ONLY SKIP TO THE STEP 27</p>	<p>11</p> <p>Disconnect and remove the wire harness from the intake manifold completely. Remove the connector bracket.</p>	<p>12</p> <p>Remove the vent line.</p>
			

13	Remove the vacuum line.	14	Disconnect the vacuum line.	15	Remove the screws securing the intake manifold to the support bracket under the manifold.	16	Remove the intake manifold screws.
							
17	Remove the intake manifold. Remove the intake manifold studs. See step 18.	18	Jam two nuts on the intake manifold stud. Remove the stud.	19	Prepare the Boomba Racing intake manifold spacer.	20	Remove the screws holding the intake support bracket.
							
21	Install the bracket spacer with the provided screw. Finger tight only.	22	Place intake manifold spacer on the head.	23	Place the intake manifold over the spacer. Align it with the two holes on the top. Use the provided screws and washers. Install the top screws first and then follow with three bottom screws. Finger tight only.	24	Install the screws holding the manifold to the support bracket. Finger tight only.
							
25	Tighten the screws securing the intake manifold to the head. Tighten the support bracket to the engine block. Tighten the screws securing the intake manifold to the support bracket.	26	Reinstall and reconnect the wire harness. Reconnect the vacuum and the vent lines.	27	Use Dremel to cut slots into the hose clamp's screws for flat screw driver. Reinstall the charge pipe elbow. Secure it with the hose clamps. Reconnect the electrical connectors. Reconnect the vacuum lines.	28	Reinstall the air filter box. Reinstall the intake. Reinstall the engine cover. Reinstall the under tray if necessary.
							