

STI '04.5+ - THROTTLE BODY INSTALLATION MANUAL

TOOLS REQUIRED

M8 socket wrench
M10 socket wrench
M12 socket wrench
Flat screw driver

Phillips screw driver
2.5 mm Allen wrench
5 mm Allen wrench
6 mm Allen wrench
4 mm Drill bit

MATERIALS REQUIRED

None

<p>1</p> <p>Disconnect the battery terminals.</p>	<p>2</p> <p>Remove the vacuum pipe and blow-off valve screws.</p>	<p>3</p> <p>Remove the left side intercooler screw.</p>	<p>4</p> <p>Remove the right side intercooler screw. Loosen the intercooler bracket screws.</p>
			
<p>5</p> <p>Loosen up the throttle body connection clamp. Remove the MAP sensor.</p>	<p>6</p> <p>Loosen up the intercooler supply clamp.</p>	<p>7</p> <p>Disconnect the coolant lines and remove the throttle body.</p>	<p>8</p> <p>Remove the coolant hose.</p>
			
<p>9</p> <p>Loop the remaining coolant line back to the engine block.</p>	<p>10</p> <p>Snap-on Throttle body - Remove the cover clips and remove the cover. Go to step 12.</p>	<p>11</p> <p>Bolt-on Throttle body - Carefully drill thru the rivet heads with a 4mm drill and remove the cover.</p>	<p>12</p> <p>Remove the spur gear and the servo motor.</p>
			

13 Parts that will be reused with the Boomba Racing Throttle Body.



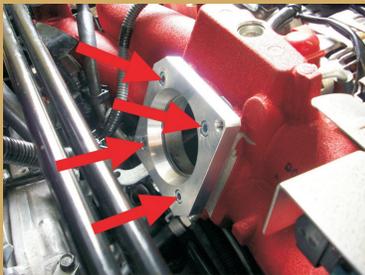
14 Reinstall the servo motor and the spur gear. Install the throttle body cover.



15 Cut the gasket ID to match adaptor's plate ID.



16 Bolt the throttle body adaptor to the intake manifold. Place the factory gasket between the adaptor and the manifold.



17 Bolt the throttle body to the manifold. Reconnect the air supply hose. Plug in the wire harness connector.



18 Prepare the intercooler mounting hardware.



19 Install the intercooler mount to the left intercooler bracket.



20 Install the intercooler mount to the right intercooler bracket.



21 Install the intercooler. Tighten the input and output hose clamps. Install the MAP sensor.



22 Bolt on the left intercooler mount.



23 Bolt on the right intercooler mount. Tighten the right intercooler bracket.



24 Install the vacuum line and the blow-off valve.



25 Reconnect the battery terminals.



26 Turn the ignition key to the "ON" position. DO NOT START THE ENGINE. Wait for a minimum of 20 seconds and turn the ignition key to the "OFF" position. Wait for a minimum of 20 seconds.

27 Repeat this process 3 (three) more times to allow the ECU to memorize the new TPS settings.