



Silver Bullet

Throttle Body Spacer

PN 46-36006

INSTALLATION INSTRUCTIONS

Important!

Please verify that all parts on the Parts List are included before you begin the installation.

Make	Model	Year	Engine
Nissan	Patrol (Y61)	'01-'17	I6-4.8L (TB48DE) w/4doors Manual Transmission

1. Remove the three (3) screws and one (1) nut securing the engine cover using a 10mm nut driver. Remove the factory engine cover.
2. Disconnect the Mass Air Flow (MAF) sensor wiring harness from the air duct harness holder. With an 8mm nut driver, loosen the hose clamp at the throttle body and the clamp at the Mass Air Flow (MAF) sensor. With a 10mm nut driver, remove the screw holding the resonator to the firewall and push the air duct assembly out of the way until reassembly.
3. Remove the two (2) screws securing the accelerator cable bracket (these will be later reused) to the engine using a 10mm nut driver and remove both cables from the throttle drum. Install the supplied extender bracket with the two (2) supplied M6 screws using a 4mm allen wrench. Torque bracket to 73 in/lb.
4. Disconnect the three (3) wire harness connectors at the throttle body. Using a 6mm allen wrench, remove the four (4) screws securing the throttle body and gasket. These screws will not be reused for this installation. (You may want to save the factory screws in case throttle body spacer is ever removed and vehicle is returned back to stock).
5. Install the stock gasket, the new **aFe Silver Bullet** Throttle Body Spacer and supplied gasket in-between the intake manifold and throttle body. (The engraved side of spacer will face toward the throttle body with the supplied gasket between the spacer and the intake manifold).
6. Use the remaining supplied hardware (M8 screws and washers) to secure the throttle body, gaskets and spacer to the intake manifold. The lock washer will be placed on the screw first (so it will be against the head of the screw), then the flat washer (so it will be against the throttle body). Torque assembly to 15 ft/lb.
7. Reinstall the cables onto the throttle drum. Reinstall the accelerator cable bracket with the two (2) factory screws previously removed. Torque bracket to 73 in/lb.
8. Reinstall the air duct assembly. Tighten all connections. Reinstall the MAF sensor wiring harness to the air duct harness holder.
9. Reinstall the engine cover and the three (3) factory screws and one (1) nut previously removed.



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7-8

Parts List

- 1 aFe Silver Bullet Spacer
- 1 spacer gasket
- 4 M8 x 80mm screws
- 4 M8 flat washers
- 4 M8 lock washers
- 2 M6 x 12mm screws
- 1 extender bracket

Tools Needed

- 8mm & 10mm nut drivers
- 4mm & 6mm Allen wrenches