



# Silver Bullet®

## Throttle Body Spacer

PN 46-36009

### INSTALLATION INSTRUCTIONS

#### Important!

Please verify the Parts List and read all instruction steps before you begin installation.

Make	Model	Year	Engine	Transmission	Engine Code
Nissan	Patrol (Y61)	17-23	I6-4.8L	All	TB48DE

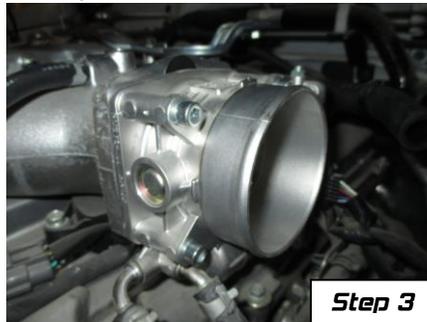
\*NOTE: Please check our website for a complete and updated list of applications (year, make, model, engine, etc.) for this part number.

- Using a 10 mm nut driver, remove the three (3) screws and one (1) nut securing the engine cover, and remove it from the engine bay.
- Remove 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 next to the Mass Air Flow (MAF) sensor. With a 10mm nut driver, remove the screw holding the resonator to the firewall and place the air duct assembly out of the way until reassembly.
- Using a 5mm 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 the throttle body spacer is ever removed, and vehicle is returned to stock).
- Install the stock gasket, the new aFe Silver Bullet Throttle Body Spacer, and the newly supplied gasket between the intake manifold and throttle body. (The engraved side of spacer will face toward the throttle body with the new gasket between the spacer and the intake manifold).
- Use the supplied hardware (M6 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 10 Nm (89 lb/in).
- Reinstall the air duct assembly. Tighten all connections. Reinstall the MAF sensor wiring harness to the air duct harness holder.
- Reinstall the engine cover and the three (3) factory screws and one (1) nut previously removed.

**Your install is now complete!** Make sure to retighten all bolts and clamps after 100 miles of driving.



Steps 1-2



Step 3



Step 4-5



Step 6

#### Parts List

- 1 **Silver Bullet** Spacer
- 1 Gasket
- 4 M6 x 70 mm bolts
- 4 M6 flat washers
- 4 M6 lock washers
- 1 aFe Power decal

#### Tools Needed

- Socket wrench
- 10 mm socket or nut driver
- 8 mm socket or nut driver
- 5mm Allen wrench
- Flat head screwdriver (may use for intake clamp)
- Pliers (may use for hose clamps)

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