



Silver Bullet

Throttle Body Spacer

PN 46-36004

Important!

This kit includes parts for two types of installation options. One is if the factory intake system is on the vehicle. The other is if an aFe intake system (PN: 51/54/75-76103) is on the vehicle; so please read instructions carefully. NOTE that this spacer will NOT work with aFe intake system PN: 51/54/75-76104. Also verify that all parts on the Parts List are included before you begin the installation.

Make	Model	Year	Engine
Nissan	Patrol (Y62)	'10-'18	V8-5.6L (400 hp) VK56VD
Infiniti	QX56	'11-'13	V8-5.6L
Infiniti	QX80	'14-'18	V8-5.6L

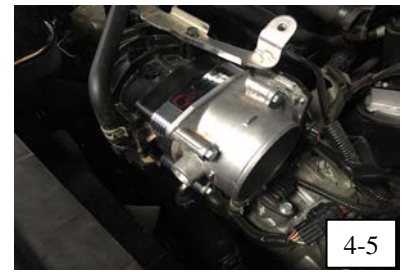
- Remove the two (2) bolts securing the engine cover using a 10mm nut driver. Remove the factory engine cover.
- Disconnect the Mass Air Flow (MAF) sensor wiring harness. With the 8mm socket and ratchet, loosen the hose clamp at the throttle body. Unclip the top half of the housing from the bottom half. Loosen the clamp securing the resonator to the tube and push resonator out of the way until reassembly.
- Using the 8mm socket and ratchet, remove the four (4) bolts securing the throttle body. These bolts will not be reused for this installation. (You may want to save factory bolts in case throttle body spacer is ever removed and vehicle is returned back to stock.)
- If vehicle has the factory intake system installed:** Install 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 gasket between the spacer and the throttle body.) Please note that *the intake manifold comes with a rubber O-ring gasket already installed in the groove on the manifold. Be careful not to damage and keep in its place. **Extra T-bolt clamps are provided only in case they are needed.*
- If vehicle has an aFe Power intake system PN 51/54/75-76103 installed:** Remove the more rigid coupling that came with the aFe intake system (51/54/75-76103.) Replace the rigid coupling with the more flexible coupling* that is furnished in this kit. Install 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 gasket between the spacer and the throttle body.) *Please note that the intake manifold comes with a rubber O-ring gasket already installed in the groove on the manifold. Be careful not to damage and leave in its place. **Extra T-bolt clamps are provided only in case they are needed.*
- Use the supplied hardware to secure the throttle body 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.) Tighten each set of fasteners at the mounting locations. Torque assembly to 89 in/lb.
- Reinstall the top half of the factory housing and intake tube into the vehicle. Reconnect the resonator to the intake tube. Tighten all connections. Reconnect the MAF sensor.
- Reinstall the engine cover and the two (2) factory bolts previously removed.



1



2-3



4-5



6-7

Tools List

- 10mm nut driver
- 8mm socket and ratchet

Parts List

- 1 aFe Silver Bullet Spacer
- 1 spacer gasket
- 4 6mm x 70mm screws
- 4 6mm flat washers
- 4 6mm lock washers
- *1 coupling (will only be used if aFe air intake system 54-76103 is installed on vehicle)
- **2 T-bolt clamps (use only if needed)