



# aFe POWER Silver Bullet

## Throttle Body Spacer

Part Number: 46-31001

### INSTALLATION INSTRUCTIONS

Please verify the parts list and read all instruction steps before you begin installation.

Make	Model	Year	Engine	Make	Model	Year	Engine
BMW	545i (E60)	04-05	V8-4.4L(N62)	BMW	745i (E65)	02-05	V8-4.4L(N62)
BMW	550i (E60)	06-09	V8-4.8L(N62)	BMW	745Li (E66)	02-05	V8-4.4L(N62)
BMW	645ci (E63/64)	04-05	V8-4.4L(N62)	BMW	X5 (E53)	04-06	V8-4.4L(N62)
BMW	650i (E63/64)	06-09	V8-4.8L(N62)	BMW	X5 (E53)	04-06	V8-4.8L(N62)

1. Loosen the (4) nuts on top of the engine cover using a 10mm socket, and then remove the engine cover.
  2. Loosen the clamp securing the air inlet tube to throttle body. Pull the intake tube out of the way to gain access to the throttle body (note: other clamps may need to be loosened as well to allow the tube to move freely).
  3. Loosen and remove (4) screws from throttle body using a 10 mm socket.
  4. Place the gasket against the intake manifold and install the aFe Silver Bullet throttle body spacer "AIR IN" text facing towards the throttle body. Install a lock washer and a flat washer over each of the new screws provided and use these to secure the throttle body, throttle body spacer, and gasket to the intake manifold. Tighten the screws to 10 Nm (89 lb/in).
  5. Reinstall air inlet tube to throttle body. Tighten any clamps that were previously loosened in Step 2.
  6. Reinstall the engine cover. Verify all components are installed correctly and check components after the first 100 miles.
- Emission Note: The CARB EO number is visible on the sticker on the side of the Silver Bullet Spacer. EO identification label is required to pass SMOG test inspection.



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6

### Parts List

- 1 aFe POWER Silver Bullet Spacer
- 1 Gasket
- 4 6mm x 80mm screws
- 4 6mm flat washers
- 4 6mm lock washers

**advanced FLOW engineering, inc.**

252 Granite Street, Corona, CA 92879  
Main Line: 951-493-7100 Tech Support: 951-493-7185  
[www.aFePower.com](http://www.aFePower.com)

Last Updated: 03/08/2020  
CL