



# Silver Bullet

Throttle Body Spacer

**PN 46-31006**

## Important!

Please verify the parts list and read all instruction steps before you begin installation.  
(2006 BMW 650i shown in photo)

Model	Year	Engine
545i (E60/E61)	2003-2005	V8-4.4L
550i (E60/E61)	2006-2009	V8-4.8L
645Ci (E63/E64)	2004-2005	V8-4.4L
650i (E63/E64)	2006-2009	V8-4.8L
750i (E65)	2006-2009	V8-4.8L
750Li (E66)	2006-2009	V8-4.8L
X5 4.4i (E53)	2004-2005	V8-4.4L

1. Take off the engine cover by removing the (4) 10mm nuts on the top of the cover. Remove cover.
2. Remove the intake tube by loosening the (2) 6mm hose clamps and pulling the tube out.
3. With the engine cover and intake tube removed, you should clearly be able to see the throttle body. Using a 10mm socket, remove the (4) bolts that secure the throttle body to the manifold.
4. With the bolts removed, pull the throttle body away from the manifold. Insert the Silver Bullet spacer, with a gasket behind it, into the intake manifold with the "Air In" engraving facing out.
5. Put the throttle body back in place, and use the new longer bolts and washers to secure the throttle body, throttle body spacer, and gasket to the manifold. Tighten the bolts to 10 Nm (89 lb/in).
6. Reinstall the intake tube and engine cover, and tighten all fasteners, including hose clamps and nuts.
7. Your install is now complete. After 100 miles, recheck (tighten if necessary) the house clamps and throttle body bolts.



### Parts List

- 1 aFe Silver Bullet Spacer
- 1 Gasket
- 4 M6 x 60mm Bolts
- 4 M6 Flat Washers
- 4 M6 Lock Washers

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