



HIGH PERFORMANCE THROTTLE BODY INSTALLATION INSTRUCTIONS

PART NUMBER D760-3200

APPLICATIONS: 1996 => 3.2L E36 M3, M-Roadster, M-Coupe
1996-8/98 => E36 328i, 323i
1996-8/98 => E39 528i

Some mechanical skill is required to install this throttle body. If you feel you don't have the requisite skill or tools, please arrange for a qualified repair facility to perform the procedure. We recommend that you read these instructions completely before proceeding so that you're familiar with all the steps before the actual installation.

If you encounter any difficulties during installation, or if these instructions are not clear to you, please call Dinan Engineering at (408) 779-8584.

INSTALLATION:

1. Turn the key to the "off" position and remove it. Let the car cool down.
2. Remove the Rubber boot between the Air Flow Meter and the Throttle assemblies by loosening the 2 hose clamps.
3. **Note: Skip this step if your car does not have traction control:** Remove the two 10mm bolts that hold the Traction Control Throttle Body in place. You can move this throttle out of the way with the cable and plug still attached.
4. **PROCEED WITH CAUTION!** Make sure the motor is cool! Make sure there is no pressure in the cooling system by *slowly* removing the radiator cap. Loosen the two hose clamps and disconnect the two coolant hoses that go to the base of the throttle body. You may want to clamp these hoses off before you remove them to minimize the amount of coolant you lose. Mark the hoses with masking tape to remember where they attach.
5. Before you remove the Throttle Body, note how much play there is in the two throttle cables since you may have to readjust the cables with the new Throttle body.
6. Remove the four 10mm bolts that hold the throttle body to the intake manifold. Disconnect the wiring harness from the Throttle Position Switch by pushing in on the wire "strap" on the plug and gently pulling.

7. With the new throttle body next to the old one, remove one throttle cable at a time so they are not mixed up. Turn the throttle mechanism to release tension on the cable. With a pocket sized screwdriver gently pry the “nub” at the end of the cable out of the clip. Gently pull on the cable sheath and adjustment mechanism to release the rubber grommet holding the cable to the throttle bracket (do not pull the “nub” through the grommet).
8. You can remove the grommet by gently spinning it and pulling through the gap in the bracket. Reverse the procedure to install the cable in the new throttle body. Repeat with the 2nd cable.
9. Transfer the rubber gasket from the stock Throttle Body to the Dinan modified Throttle body. With both cables in place, bolt the new throttle body to the intake manifold and reattach the 2 coolant hoses.
10. Transfer the throttle position switch from the stock throttle body to the Dinan throttle body. Make sure the flat spot on the shaft lines up with the flat spot on the switch and screw the switch on. There is no adjustment.
11. Installation of Dinan throttle body is the reverse order of removal.
12. Before you reinstall the flexible intake boot, check to make sure that the throttle plate reaches wide open (parallel to bore) and that it does not go beyond wide open. Have someone sit in the car and depress the accelerator pedal to the floor. With the pedal on the floor, measure the distance between the throttle plate and the side of the bore. Make sure that the throttle plate to bore measurements are equal both sides of the throttle plate. You do not have to be exact, but this is an important step if you wish to achieve maximum power from your engine. The throttle opening is adjusted by turning the threaded adjuster at the end of the throttle cable. **Do not set the throttle opening by moving the full throttle stop on the throttle body**, or the cable can break prematurely as it strains against the throttle stop every time you stomp on the accelerator pedal. When you are satisfied with the full throttle operation of the throttle, check to see that there is a little slack in both the throttle cable and the cruise control cable when the throttle is closed. Continue with re-assembly.
13. Top off coolant if required and close radiator cap.
14. Install Dinan software with MIPP device. Make sure to check-off throttle body.
15. Check over your work and enjoy!

NOTE: Your stock Throttle Body must be returned to Dinan Engineering within 30 days to receive your core refund. Place the core voucher and throttle body in an appropriately-sized box and use sufficient padding to protect from damage during shipping. Insure package (value \$550) and ship to Dinan Engineering. Cut out label and tape to package.

From:

Dinan Engineering
Attn: Core Return
865 Jarvis Drive
Morgan Hill, CA 95037

Please call Dinan Engineering's technical support hotline at (408) 779-8584 if you have any questions!