

HIGH PERFORMANCE THROTTLE BODY INSTALLATION INSTRUCTIONS

PART NUMBER D760-0050

**APPLICATIONS: 1992-95 325i, is, iC (E36)
1995 M3 (E36)**

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 (650) 962-9401.

INSTALLATION:

1. Carefully open radiator cap to release pressure in cooling system. Warning: if car was recently driven, vented gases may be HOT! Use caution!
2. Loosen the hose clamps and remove the flexible intake boot between air flow meter and throttle body. Note that there are two hoses underneath which need to be pulled off of intake boot before removal.
3. Remove air flow meter. Note that there is an arrow on the air flow meter body which indicates the direction of airflow.
4. Loosen the two hose clamps which secure the coolant hoses to the underside of the throttle body.
5. Release the ends of the throttle and cruise control cables from the throttle body by pinching the back of the white plastic cable clips and slipping them off of the actuator.
6. Unplug throttle position switch.
7. Remove the four bolts which secure the throttle body to the intake manifold. Be careful not to lose the O-ring which seals the throttle body against the manifold.
8. Turn throttle body upside down and pry off the two coolant hoses. If car was recently driven, coolant may be HOT! Use caution!
9. Disconnect the evaporative hose from throttle body.
10. Remove the two 10mm head bolts which secure the cable bracket to the throttle body, and remove throttle body from vehicle.
11. Remove throttle position switch from stock throttle body and install on Dinan throttle body.

12. Installation of Dinan throttle body is the reverse order of removal.
13. 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 top of the bore. The exact measurement here should be 1.283" (about 32.5mm). If you do not have a pair of calipers to measure this, just make sure that the throttle plate to bore measurements are equal both above and below 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. Continue with re-assembly.
14. Top off coolant if required and close radiator cap.
15. You will now need to "clear" the adaptive memory in the ECU.
 - a) **See Figure 1(b)**. Open hood; note the black soundproofing material located on the passenger side of the firewall behind the positive connection to the battery (marked "+"). This soundproofing is fastened to the firewall with reusable plastic rivets. With the pocket-sized screwdriver, remove these rivets by prying the center section out from its outer body. (Once the rivet's center section protrudes halfway from the rivet body, the whole rivet will fall out of its hole.) Use care not to drop or lose these rivets.
 - b) Fold down the soundproofing material to gain access to the black plastic cover behind it. Remove the four Phillips screws and tilt the cover forward - this unhooks it from the channel at the bottom of the cover. Disengage the wiring harness from this cover; set the cover aside.
 - c) The Motronic™ control unit is located on the bottom of the ECU compartment. Remove the wiring harness by lifting the metal clasp on the connector. Leave this connector disconnected for about 1 minute. Reconnect and reassemble.
 - d) The other alternative to "clear" your adaptive memory, is to disconnect the positive battery terminal. If you choose this method make sure you know the code to your radio and any start-up procedures for your aftermarket alarm.
16. 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 and ship to Dinan Engineering:

Dinan Performance Engineering
Attn: Core Return
865 Jarvis Dr.
Morgan Hill, CA 95037

Please call Dinan Engineering's technical support hotline at (650) 962-9401 if you have any questions!