



HIGH PERFORMANCE THROTTLE BODY INSTALLATION INSTRUCTIONS

Part Number: D760-3400

Applications: 2001-06 E46 M3
2001-02 M-Roadster/Coupe

Commented [JL1]: The following items were removed from the parts list because they're on galactic backorder: (5) Throttle Shaft Bolts (fully threaded); (2) Throttle Shaft Bolts (w/ shanks); (7) Locknuts

PARTS LIST

<u>Qty</u>	<u>Description</u>
1	Throttle Body (cyl. #1)
1	Throttle Body (cyl. #3)
1	Throttle Body (cyl. #6)
3	Throttle Body (cyl. #2, #4, #5)
6	Rubber O-rings (for bases)
6	Clamps
1	E.O. Label

PLEASE NOTE:

Evaluate and repair all faults stored in the ECU memories before installing any Dinan software.

All Dinan software must be installed before proceeding with kit installation.

To maintain warranty coverage, this kit must be used with the appropriate Dinan engine software for your vehicle.

There are two methods to install the software:

- A Dinan Exclusive Dealer can download the software directly into your ECU. Please contact your Dinan representative to locate the facility nearest you.
- You can send your ECU to Dinan for programming. Please contact your Dinan representative so that we may prepare for its arrival.
- We recommend that you read these instructions completely before proceeding so that you are familiar with all of 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's Technical Support Staff @ (408) 779-8584.

- A high level of mechanical skill is required to install these throttle bodies. Proper installation of the throttle bodies also requires complete understanding of the recommended BMW throttle body removal and install procedure for your vehicle. If you are not familiar with this BMW procedure, we strongly recommend that you arrange for a qualified BMW repair facility to perform this installation.
- A “MoDiC 3” tool or DIS station is called for in the BMW procedures for checking off-idle and full-throttle, and for final adjustment of throttle body assembly.

INSTALLATION

- Remove the original throttle bodies following recommended BMW procedure for throttle body removal (TIS #13 54 045).
- You can skip the removal of the idle speed control valve.
- When removing the fuel rail the BMW instructions ask you detach the wiring harness from the rail. This requires a special tool. We have found you can skip this step and simply remove the fuel rail with the wiring attached and gently set-aside.
- Install the Dinan Throttle Bodies using the BMW procedure (TIS #13 54 045). **The only difference between a Dinan throttle body and an original unit is the size of the bore and throttle plate. The installation procedure is exactly the same.**

SYNCHRONIZATION

- Use the BMW procedure when synchronizing the throttle bodies together (TIS #13 54 010).
- **IMPORTANT! The entire synchronization procedure is based on the correct positioning of the throttle stop screws on each throttle body. These are preset at Dinan in several steps using sophisticated measuring equipment. Please do not move these screws or the throttles will not be properly “synched”. The Dinan warranty will also be voided if the throttle stop screws appear to be tampered with in any way!**
- You do not have to remove the idle control valve
- **Do not use the number that BMW gives in the end of the procedure for adjusting the fully open assembly. The new number is (A) = 25.50 ± 0.2**

NOTE

Your stock throttle bodies must be returned to Dinan Engineering within **30 Days** to receive your core refund. Please place the core voucher and throttle bodies in the shipping box that your new throttle bodies came in. You can reuse the packing material. Insure the package and ship to:

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

Please call your Dinan representative @ (408) 779-8584 if you have any questions regarding your core exchange.



Cyl # 1

It has TPS switch on it.

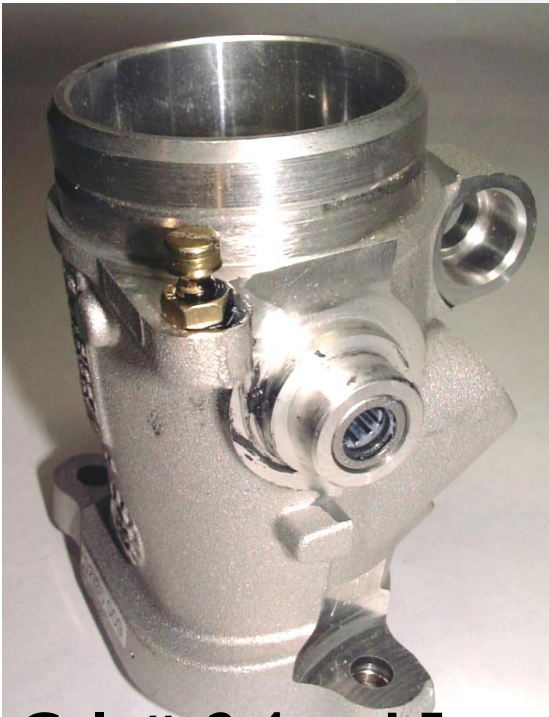


Cyl # 6

It has 3 studs on side.



Cyl # 3 This one has the bearing in the throttle shaft hole.



Cyl. # 2, 4 and 5

These are the three with out the bearing in the hole that the throttle shaft goes through.