




SI B 24 09 00  
Automatic Transmission

June 2004  
Technical Service

This Service Information bulletin supersedes S.I. B24 09 00 **dated March 2003.**

 designates changes to this revision


## SUBJECT

### Automatic Transmission Repair & Replacement Information

## MODEL

All with automatic transmission

## SITUATION

- Transmission repair and replacement information Section 1
-  ZF 6-speed Mechatronic module replacement information Section 1
- Technical Liaisons for GM transmissions Section 2
- Technical Liaisons for ZF transmissions Section 3

### 1. Transmission Repair & Replacement Information

Diagnosing symptoms involving automatic transmissions and determining when replacement is appropriate are areas where specialized assistance is often needed. For those reasons, technical experts on the GM and ZF automatic transmissions are available by contacting the BMW Technical Hotline at 1- 800-472-7222. Depending on the vehicle and location, the appropriate expert will ask questions and provide guidance on repair issues. Their primary task is to provide you with the technical assistance you may need to properly diagnose a transmission problem and perform the correct repair.

To get a thorough understanding of automatic transmission issues, a GM or ZF TECHNICAL SPECIALIST must be contacted whenever a vehicle with an automatic transmission is brought into the service area, with a transmission related concern. Always have the printouts of fault codes stored in the DME and EGS, and transmission serial number available when calling.

Transmission Manufacturer	Transmission Type	Contact # required for replacement or repair
ZF	ALL automatics	YES
Valueline (ZF)	ALL automatics	YES (if under warranty)
GM Powertrain	5L40E (GM5 )	YES
GM Powertrain	4L30E (THMR1) **	NO**

\*\*It is no longer necessary to obtain a contact # for repairs or replacement of the THMR1 GM 4 speed transmission, **although the available technical assistance should be utilized before repair attempts are made.**

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IF THERE IS NO SERVICE INFORMATION BULLETIN PUBLISHED, WHICH ADDRESSES THE SPECIFIC CONCERN, DO NOT MAKE ANY REPAIRS TO A 5 SPEED OR A 6 SPEED AUTOMATIC TRANSMISSION PRIOR TO CONTACTING A GM OR ZF TECHNICAL SPECIALIST, other than verifying the customer complaint or printing out the fault codes.

Once a field fix is available, the information will be corresponded via a Service Bulletin.

The repair procedures that the GM and ZF experts discuss with you are entered into the Hotline contact system. When BMW NA pays all or a portion of an automatic transmission replacement, the Hotline contact system will be reviewed by the Warranty Department to verify that the inquiry and repair instructions match the claim submitted.

**ALL GM5 (5L40E) and ALL ZF automatic transmissions (including Valueline 4 speeds under warranty), as well as Mechatronic modules for 6-speed ZF transmissions replaced without prior authorization from the Technical Hotline will result in the Warranty, Goodwill or Certified Pre-Owned claim being rejected! This also pertains to "over the counter" part warranty.**

We encourage all BMW centers to make use of this valuable resource, including "customer pay" repairs.

Refer to section 2 & 3 for information on contacting the appropriate Technical Liaison.

## 2. Technical Liaisons for GM Transmissions

As many of you may be aware GM has assigned two technical consultants, Mr. Yves Lauber, and Mr. Damien Forster, to the BMW NA Service Engineering Department.

Mr. Lauber is located in the Eastern Region and Mr. Forster is located in the Western Region in order to quickly understand the root cause of any field problems that may arise.

Mr. Lauber's and Mr. Forster's primary responsibility is to provide technical assistance on:

### GM5 5L40E Transmission Application\*

E46 330iX, 325iX (M54)	ALL
E46 325iT (M54)	09/00 – 03/01 and from 03/03
E46 325i (M54)	From 03/02
E46 323i, 323iT (M52TU)	Up to 3/00
E46 328i (M52TU)	ALL
E46 325Ci, 325Cic (M54)	From 03/03
E46 330i, 330Ci, 330Cic (M54)	From 03/03
E39 530i, 525i, 530iT, 525iT (M54)	09/00 – 03/01
E39 528i (M52TU)	09/99 – 08/00
E53 X5 3.0i (M54)	ALL

E83 X3 2.5i; X3 3.0i (M54) ALL

E36 Z3 3.0, Z3 2.5 (M54) ALL

\*Transmission suppliers may change with future model releases

#### THMR1 4L30E Transmission Application

E39 528iA Up to 9/99

E36 318tiA, 323iA, 328iA, Z3 roadster & coupe ALL

E36 - 318iA & 325iA ALL

E34-525iA ALL

We encourage all BMW centers to make use of this valuable resource and welcome your comments on its effectiveness.

### 3. Technical Liaisons for ZF Transmissions

ZF has assigned two technical consultants, Mr. Klaus Malenke, and Mr. Carl Barbara, to the BMW NA Service Engineering Department.

Mr. Barbara is located in the Eastern Region and Mr. Malenke is located in the Western Region in order to quickly understand the root cause of any field problems that may arise.

Mr. Barbara's and Mr. Malenke's primary responsibility is to provide technical assistance on:

#### ZF Transmission Application\*

E65/E66 745i/760i (N62, N73)	6HP26	ALL
E60 545i with N62	6HP26	ALL
E60 525i, 530i (M54)	6HP19	ALL
E63/E64 645i (N62)	6HP26	ALL
E38 740iA, 740iAL, (M62)	5HP24	ALL
E38 750iA (M73)	5HP30	ALL
E39 540iA (M62)	5HP24	ALL
E46 325iT (M54)	5HP19	03/01 – 03/03
E46 330i/Ci/Cic (M54)	5HP19	6/00 – 03/03
E46 325i (M54)	5HP19	08/00 – 03/02
E46 325Ci/Cic (M54)	5HP19	08/00 – 03/03
E46 325i/Ci/iT (SULEV M56)	5HP19	09/02 and later
E46 323i, 323iT (M52TU)	5HP19	3/00 and later

E53 X5 4.4i (M62)	5HP24	ALL
E53 X5 4.4i, X5 4.8 (N62)	6HP26	ALL
E85 Z4 (M54)	5HP19	09/02 and later

\*Transmission suppliers may change with future model releases


We encourage all BMW centers to make use of this valuable resource and welcome your comments on its effectiveness.

**WARRANTY INFORMATION**

**REPLACEMENT OF ANY ZF or GM 5 SPEED TRANSMISSION, or  a MECHATRONIC MODULE FOR ZF 6-SPEED TRANSMISSION REQUIRES PRIOR APPROVAL BY WAY OF A TECHNICAL HOTLINE CONTACT NUMBER.**

**If a Service Information Bulletin has been published, which addresses a specific concern, then a contact number is NOT REQUIRED for that specific repair.**

Refer to the contact number in the comment section of the warranty claim.

**The replacement of a complete transmission, or  a ZF 6-speed Mechatronic module without prior approval will be subject to debit.**

The GM and ZF Technical Support Personnel can be contacted through the BMW Technical Hotline, 1-800-472-7222, regarding any service or repair concerns relating to automatic transmissions.