



SI B 24 51 01  
Automatic Transmission

April 2001  
Service Engineering

**SUBJECT**

**Trans Light Illuminated: FC 34 "Temperature Fault" Stored in the TCM**

**MODEL**

E53 X5 with M62TU produced 08/99 to 08/00 with A5S 440Z (ZF)

**SITUATION**

The following situations may be encountered:

- Customer complaint of transmission not upshifting at times and Fault Code 34 stored in TCM
- Customer complaint of transmission downshifting on its own and Fault Code 34 stored in TCM

**CAUSE**

Incorrect crimp of the transmission temperature sensor connector.

**CORRECTION**

On a customer complaint basis, replace the transmission valve body harness (located inside the transmission case).

**PROCEDURE**

Note: The transmission does not have to be removed from the vehicle to perform this repair. Save and reuse the transmission fluid.

1. Check the TCM/AGS fault memory, if Fault Code 34 is stored print a diagnosis report.
2. Replace the transmission valve body wiring harness.
3. Refer to Repair Instruction **24 35 503** "Replacing wiring harness in Auto. Trans (A5S 440Z)"
4. **Attach the diagnosis report to the defective valve body harness.**

**PARTS INFORMATION**

Part Number	Description	Quantity
24 34 1 423 719	Transmission valve body harness	1
24 11 1 422 676	Oil pan gasket	1

**WARRANTY INFORMATION**

Covered under the terms of the BMW New Vehicle Limited Warranty.

**Defect Code**            **24 00 92 79 00**

**Main Work**

Labor Operation:    00 52 466            Main Work: Replace transmission harness

**079657**

Labor Allowance: 22 FRU E53

**+Associated Work**

Labor Operation: +00 52 973 +Associated Work: Replace transmission harness

Labor Allowance: +21 FRU E53

Note: The following explanations will spell out the correct use of the work times.

**Main Work:** Use this labor operation number when the only repair performed is the listed warranty repair.

OR

**+Associated Work:** Use this labor operation number when other repairs or services are performed along with the listed warranty repair. Under no circumstances should both labor operation numbers be claimed. Attempts to claim both times will result in an unnecessary delay in claim processing and payment.