



SI B 24 52 01  
Automatic Transmission

July 2001  
Service Engineering

**PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.**

**SUBJECT**

**Voluntary Recall Campaign # 01V-196: E53 Transmission Selector Position Switch Replacement**

**MODEL**

E53 X5 4.4iA with M62TU produced 9/99 – 2/01

**SITUATION**

BMW has decided that a defect which relates to motor vehicle safety exists in certain 2000-01 Model Year X5 4.4i sport activity vehicles. The potential defect involves the gear position indicator switch on the automatic transmission. Over an extended period of time, abrasion particles may deposit on the electrical contacts within the switch, causing a disruption of the electric current through the contacts.

If the electrical signal from the switch is disrupted while driving, the vehicle can still be driven, but the transmission will only be able to shift down, not up.

If this occurs when the vehicle is stationary, with the transmission in the Neutral or Park positions, the transmission will switch automatically into the emergency program, which is displayed in the instrument cluster via a warning lamp and a message, "TRANS. FAIL-SAFE PROG". In this case, the vehicle can be driven in lower gears only, with limited engine output.

A customer notification letter (attached) will be mailed beginning in July 2001.

**CAUSE**

Transmission selector switch

**AFFECTED VEHICLES**

This recall involves E53 vehicles with the M62TU engine which were produced from 9/1999 – 2/2001.

In order to determine if a specific vehicle is affected by this recall, it will be necessary to utilize the "Service Menu" of the DCS (Dealer Communication System). Based on the response of the system, either proceed with the corrective action or take no further action.

The Chassis Number Ranges listed below are **only** for informational purposes and are not to be considered as the only deciding factor.

<b>Model</b>	<b>Chassis Number Range</b>
X5 4.4iA	LH00019 – LH16554
X5 4.4iA	LH60007 – LH60032
X5 4.4iA	LH161034

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**CORRECTION**

Inspect and, if necessary, replace the selector switch.

**PROCEDURE**

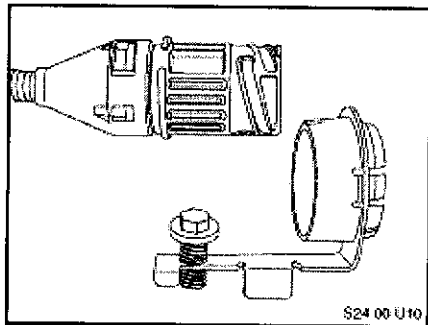
Caution: The exhaust system may be extremely hot. Use care to avoid contact with the exhaust system when performing this repair.

Additional repair instructions are in the repair manual, section 24 10 003.

1. Locate the selector switch on the passenger side of the transmission.
2. Remove the two bolts on the selector switch heat shield. Remove the heat shield.
3. Check the color of the selector switch plastic case:

<b>Selector Switch color</b>	<b>Repair</b>
Tan (yellow/brown) color	<b>Replace the selector switch</b> as outlined below.
Black	Selector switch is OK. <b>Do not replace</b> the switch.

4. **If the selector switch case color is tan**, then remove the two bolts on the switch and slide the switch off the selector shaft.
5. Unplug the selector switch connector.
6. Unclip the selector switch harness from the clips. Do not remove the clips from the transmission.



7. Transfer the locking collar / bracket (as one piece) to the new switch connector.

8. Install the new switch onto the selector shaft. Reinstall the two bolts and torque to 10 Nm.
9. Connect the selector switch plug and then route the harness into the clips.
10. Reinstall the heat shield.
11. Check the operation of the selector switch: turn on the ignition, move the trans. shifter lever through all gear positions and "sport". Ensure the gear indicator in the instrument cluster corresponds with the shifter position.
12. Clear all faults in the EGS/DME.

