

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.

Model	Chassis Number Range	
X5 4.4iA	LH00019 - LH16554	
X5 4.4iA	LH60007 - LH60032	
X5 4.4iA	LH61034	

CORRECTION

Inspect and, if necessary, replace the selector switch.

PROCEDURE

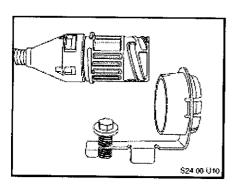
Caution: The exhaust system may be extremely hot. Use care to avoid contact with the exhaust system when performing this repair.

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:

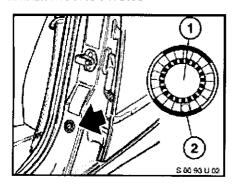
Selector Switch color	Repair
Tan (yellow/brown) color	Replace the selector switch as outlined below.
Black	Selector switch is OK. Do not replace the switch.

- 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.

LABEL INSTRUCTIONS



This recall has been assigned code number 304 After the vehicle has been checked, and corrected if necessary, obtain a label (SD92-170) and:

- a. emboss your BMW dealer warranty number in the middle of the label (1);
- b. punch out code number 304 printed on the label and.
- c. affix the label to the **B** pillar as shown.

If the vehicle already has a label from a previous Service Action/Recall Campaign, affix the new label next to the old one. Do not affix one label on top of another one because a number from an underlying label could appear in the punched-out hole of the new label.

PARTS INFORMATION

Part Number	Description	Quantity
24 10 7 512 755	Selector switch	1

WARRANTY INFORMATION

Reimbursement for this Recall Campaign will be via Campaign Entry.

Defect Code	00 24 16 01 00		
Work Package #1:			
Labor Operation:	00 52 240	Check the switch only	
Labor Allowance:	5 FRU		
Work Package #2:			

Labor Operation: 00 52 241

Labor Allowance: 5 FRU Check the switch and replace

Parts Allowance: 24 10 7 512 755 Selector switch

ATTACHMENTS

view PDF attachment 245201 Letter.

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