

**SUBJECT****Manual Transmission Hard to Shift****MODEL**

E36/7 Z3 M52B28, M54B30, S52, S54, with S5D320Z transmission from start of production until 3/02

E39 M52B28, M54B30 with S5D320Z transmission from start of production until 3/02.

E39 Touring M54B25 with S5D320Z transmission from start of production until 3/02.

E46 M52B28, M54B30 with S5D320Z transmission from start of production until 3/02.

E53 M54B30 with S5D280Z transmission from start of production until 3/02.

SITUATIONIncreased effort is required to engage and/or disengage gears with transmission at operating temperature. Please refer to SI [B23 01 99](#) when diagnosing shifting concerns.**CAUSE**

Shifting pin sticks in bore.

CORRECTION

On a customer complaint basis, replace catch pins for 1st/2nd, 3rd/4th, 5th/reverse gears.

PROCEDURE

Refer to BMW repair instructions 23 30....**Note:** This repair procedure can be accessed by entering the repair instruction number, or proceeding to repair group 23, subgroup 11 of the appropriate series. The transmission must be removed to replace the catch pins. **BMW Special Tool 23 3 110** is necessary to perform this procedure, and will be distributed to all BMW centers via automatic tool shipment.

PARTS INFORMATION

Part Number	Description	Quantity
23 11 7 525 048	Catch pins	3
07 11 9 937 227	Sealing cap	3

WARRANTY INFORMATION

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

Defect Code	23 00 94 34 00	
Labor Operation:	Main Work 00 53 399	Replace shifter catch pins
Labor Allowance:	32 FRUs	E36/7 Z3
	35 FRUs	E36/7 M Coupe, M Roadster
	32 FRUs	E39 525i, 530i

	33 FRUs	E39 528i
	34 FRUs	E39 525iT, 528iT
	40 FRUs	E46 328i,Ci,Cic, 330i,Ci,Cic
	58 FRUs	E46 330ix
	55 FRUs	E53 X5 3.0
Labor Operation:	+Associated Work 00 53 973	Replace shifter catch pins
Labor Allowance:	30 FRUs	E36/7 Z3
	33 FRUs	E36/7 M Coupe, M Roadster
	30 FRUs	E39 525i, 530i
	31 FRUs	E39 528i
	32 FRUs	E39 525iT, 528iT
	38 FRUs	E46 328i,Ci,Cic, 330i,Ci,Cic
	56 FRUs	E46 330ix
	53 PRUs	E53 X5 3.0

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.