

## Transmission hard to shift

E36/7, E38, E39, E46 E53 with S5D 260Z/280Z/310Z/320Z  
(C-transmission)

**Complaint:** Increased force needed to disengage gears and/or increased force needed up to gear escapement when engaging gears.

*Notes:*

The complaint is only to be considered if it occurs with the transmission at normal operating temperature. The viscosity of the oil means that incorrect diagnosis cannot be ruled out when the transmission is cold.

Please note also Service Information bulletin 23 03 98 (347) (Transmission hard to shift) when conducting diagnosis.

**Cause:** Catch pin catches in pilot bore.

**Affected vehicles:** E46 M47 start of series production until August 2001  
E46 M47 (318d) start of series production until March 2002  
E46 M52 B28, M54 B30 start of series production until March 2002

E39 M47 start of series production until March 2002

E39 M52 B28, M54 B30, M62 B35 start of series production until March 2002  
E39 M54 B25 (touring) start of series production until March 2002  
E53 B30

E36/7 M52 B28, M54 B30

E36/7 S50/S54

E38 M51, E38 M52 B28, M54 B30, M62 B35 start of series production until end of series production

**Remedy:** Modified selector fork lock. The improved version has been installed in series production since April 2002.

**Procedure:** In case of customer complaint, the catch pins for 1st/2nd, 3rd/4th and 5th/reverse gears should be replaced as described in repair instructions RAE3923-23330. The transmission must be removed to replace the catch pins.

**Parts:**

Part number:	Description of parts	Quantity:
23 11 7 525 048	Set of catch pins	3
23 31 1 222 988	Sealing cap	3

**Reimbursement:** Material and labour costs incurred can be claimed through the usual warranty channels subject to current warranty terms.

**Defect code** 23 00 94 34 00

This defect code is not contained in the official Defect Code Catalogue but has been included in the system, thus enabling warranty claims to be processed.

Within the scope of a visit to the workshop - Install catch pins:

Job number	00 53 973
Labour	53 FRUs E53 36 FRUs E38 27 FRUs E38 725 tds 30 FRUs E38 728i 30 FRUs E39 29 FRUs E39 525td/525tds 31 FRUs E39 523i/528i 32 FRUs E39 523 touring/528i touring 33 FRUs E39 535i 34 FRUs E39 535i from 9/98 30 FRUs Z3 33 FRUs Z3 US M-RO/US M-coupé 35 FRUs Z3 M-RO/M-coupé 37 FRUs E46 34 FRUs E46/318d/318d touring/320d/320d touring 38 FRUs E46/330 convertible 56 FRUs E46US/four-wheel drive 57 FRUs E46/four-wheel drive
	In case of order without additional repair operations -
	Install catch pins:
Job number	00 53 399
Labour	55 FRUs E53 38 FRUs E38 29 FRUs E38/725tds 32 FRUs E38/728i 32 FRUs E39 31 FRUs E39 525td/525tds 33 FRUs E39 523i/528i 34 FRUs E39 523i touring/528i touring 35 FRUs E39 535i 36 FRUs E39 535i from 9/98 32 FRUs Z3 35 FRUs Z3 US M-RO/US M-coupé 37 FRUs Z3 M-RO/M-coupé 39 FRUs E46 36 FRUs E46/318d/318d touring/320d/320d touring 40 FRUs E46/330 convertible 58 FRUs E46/four-wheel drive
Warranty type	1
Warranty stage	1 (within vehicle warranty) 2 (outside vehicle warranty)

It is only permitted to make a claim for reimbursement under one of the above job numbers.

Reimbursement is limited to **36 months / 100,000 km** and only possible until **31 March 2005**.