

**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.

When conducting diagnosis, please note also Service Information bulletin 23 03 98 (347) (Transmission hard to shift).

**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 M52TU B28, M54 B30 start of series production until March 2002

E39 M47 start of series production until March 2002

E39 M52TU B28, M54 B30, M62 B35 start of series production until March 2002

E39 M54 B25 (Touring) start of series production until March 2002

E53 M54 B30 start of series production until March 2002

E36/7 M52TU B28, M54 B30 start of series production until March 2002

E36/7 S50/S52 start of series production until July 2000

E36/7 S54 start of series production until March 2002

E38 M51, E38 M52TU 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:**

<b>Part number:</b>	<b>Description of parts:</b>	<b>Quantity:</b>
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 725tds  
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

- 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**