



This Service Information bulletin supersedes SI 64 07 01 dated December 2001.

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

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, dealers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

MODEL

E46, 3 Series with manual transmission, produced 02/01/2001 up to 06/01/2001	E38, 7 Series from 11/01/2000 up to 07/27/2001	E39, 5 Series from 01/16/2001 up to 08/31/2001	E52, Z8 from 01/01/2001 up to 08/31/2001
E53, X5 from 12/18/2000 up to 09/05/2001			

SITUATION

UPDATE! The potential defect involves the engine auxiliary/cooling fan in certain MY 2001 BMW vehicles, and in approx. 1550 additional MY 1998-2001 E38, E39, E46, E52, and E53 vehicles manufactured outside the above listed production range.

Fan operation, including variable speed, is electronically controlled. It is possible for the electrical circuitry in the fan control unit to overheat and fail, causing the fan to stop operating. If this were to occur, engine overheating and subsequent engine damage could result if vehicle continues to be operated, despite the warning provided by the coolant temperature gauge.

In addition, it is possible in some cases for the failure of the electrical circuitry to cause smoldering. In the extreme case, a fire in the fan control unit, which is mounted in the fan and located in the front of the engine compartment, could occur. This could happen either while the engine is running or after the ignition has been switched off since fan may run for up to 11 minutes after engine shutdown.

AFFECTED VEHICLES

UPDATE! This Recall Campaign involves certain Model Year 2001 E46 with manual transmission, E38, E53, E52 and E39 vehicles, as well as approximately additional 1550 vehicles MY 1998-2001 (E38, E39, E46, E52, and E53) produced outside of the original recall range, which had a potentially defective fan installed as a part of a previous warranty repair.

In order to determine if a specific vehicle is affected by this Recall Campaign, 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.

Corrective actions listed in this bulletin are only to be carried out on vehicles identified in DCS as having the following Open Campaign: 0064360100 SI 64 07 01.

The Chassis Number Ranges listed below are **only** for informational purposes and are not to be considered as the only deciding factor. These chassis numbers only pertain to the vehicles which require the repairs provided in this bulletin.

Model	Chassis Number Range
740i	DN85210 DN89753
740iLA	DP25926 DP25931 DP25952 DP25960 DP25971 DP34408
740iLP	DE05040 DE05041
750iL	DD74561 DD74573 DD74804
750iLP	DE35040 DE35041
Z8	AH60509 AH61229
325i	EE25793 EE25839 EE25842 EE25935 EE25962 EE26118 EE26148 EE26157 EE26161 EE26171 EE26197 EE26247 EE26254 EE26362 EE26368 EE26379 FV02938 FV02941 FV03009 FV04399 NE55308 NE55319 NE55323 NE55329 NE55343 NE55351 NE55360 NE56176

325xiT	EN80415 EN80636
325Ci	JW48557 JW48903 JW49969
325Ci convertible	JY40799 JY40945 JY41611
330i	FT01376 FT01379 FT01429 FT02372
330xi	JR79731 JR79736 JR80234
330Ci	JU23264 JU24439
330Ci convertible	EV86726 EV86727 EV86827 EV87571
M5	BZ98393 BZ99697
530i	CE90571 CE91973
530iA	CF04877 CF04889 CF04899 CF04906 CF04928 CF14933
540i	GC96871 GC98571
525iT	GD50120 GD50260
525iTA	GD85103 GD86220
525i	GF40563 GF59999
540iA	GM71202 GM71213 GM74059

540iTA GN91705 GN91975

525iA GX20000
GX20193 GX27907

X5 4.4i LH14482
LH14699
LH14746
LH14760
LH14778
LH14853
LH14886
LH14899
LH14958
LH14985 LH27182

X5 3.0i LH78923 LH79589

X5 3.0iA LM76123
LM77243
LM77601
LM77632
LM77649
LM77732
LM77754
LM77788
LM77796
LM77842
LM77844
LM77921
LM77935
LM77956
LM78020
LM78041 LM90999
LP20000
LP20021 LP24703
LP24724
LP24730
LP24741 LP24764

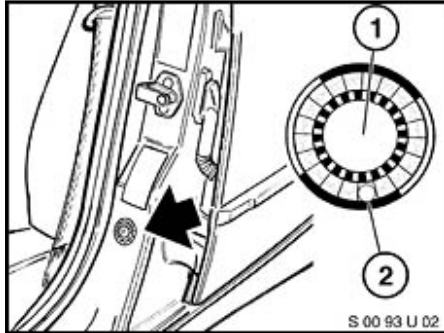
CORRECTION

On the affected vehicles check the part number on the electric fan shroud, and replace the fan/shroud assembly if necessary.

The Customer Notification Letter is attached.

PROCEDURE

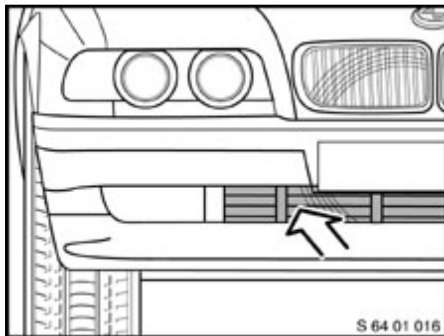
E38, 7 Series vehicles:



1. Check the Recall Campaign label affixed to the B-pillar:

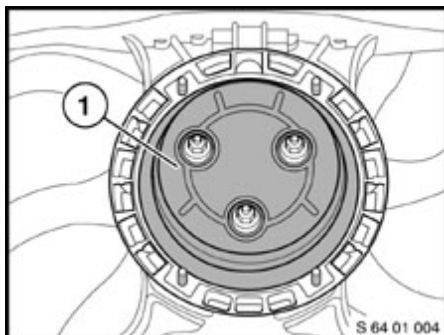
If the recall code number 316 is punched-out on the on the label (2), then NO further action is required.

If the number differs from 316, or recall label is not found, then continue with step 2.



2. Check the BMW part number on the fan/shroud assembly. The part number is located on the lower right side of the shroud (molded next to the BMW logo, or on the label printed next to the logo). The number can be read from the outside, through the lower radiator grille (location indicated on the illustration).

UPDATE! If the part number is: 64 54 6 921 383 or 64 54 6 921 942, then NO further action is required. If the part number differs from that listed, then continue with step 3.



3. Remove front bumper. For removal/installation instructions refer to RA 51 11 000 (which can be found in the BMW Technical Information System TIS).

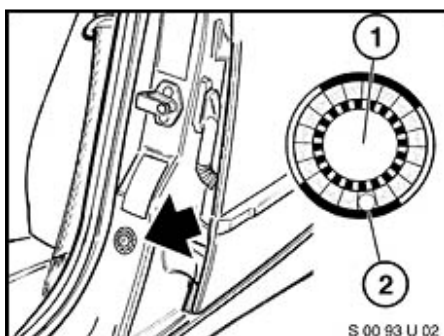
4. Remove air-guiding ducts in front of radiator.

5. Remove electric auxiliary fan/shroud assembly, and inspect the back of the fan housing.

If the motor housing (1) is solid black, without cutouts (as shown on the illustration), then NO further action is required. Reinstall all previously removed components.

UPDATE! If the motor housing has cutouts and the aluminum body of the fan module can be seen, then replace electric auxiliary fan/shroud assembly with the new part - PN 64 54 6 921 942.

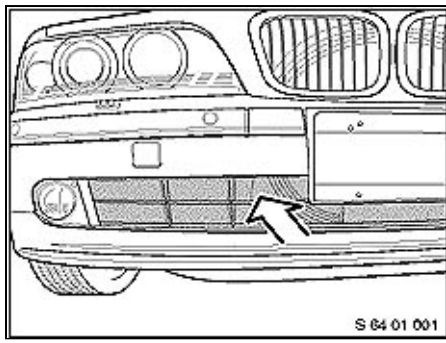
E39, 5 Series vehicles:



1. Check the Recall Campaign label affixed to the B-pillar:

If the recall code number 316 is punched-out on the on the label (2), then NO further action is required.

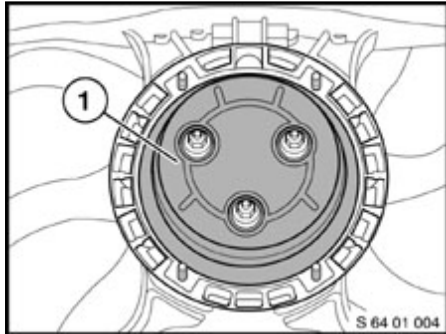
If the number differs from 316, or recall label is not found, then continue with step 2.



2. Check the BMW part number on the fan/shroud assembly. The part number is located on the lower right side of the shroud (molded next to the BMW logo, or on the label printed next to the logo). The number can be read from the outside, through the lower radiator grille (location indicated on the illustration).

If the part number is: 64 54 6 921 395, then NO further action is required.

If the part number differs from that listed, then continue with step 3.



3. Remove front bumper. For removal/installation instructions refer to RA 51 11 000 (which can be found in the BMW Technical Information System TIS).

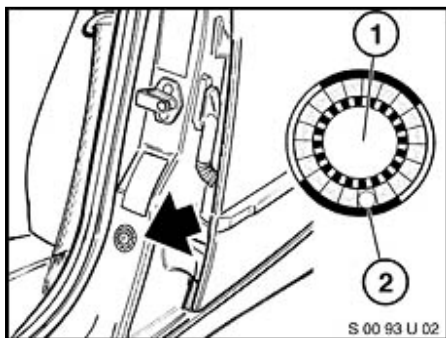
4. Remove air-guiding ducts in front of radiator.

5. Remove electric auxiliary fan/shroud assembly, and inspect the back of the fan housing.

If the motor housing (1) is solid black, without cutouts (as shown on the illustration), then NO further action is required. Reinstall all previously removed components.

If the motor housing has cutouts and the aluminum body of the fan module can be seen, then replace electric auxiliary fan/shroud assembly with the new part - PN 64 54 6 921 395.

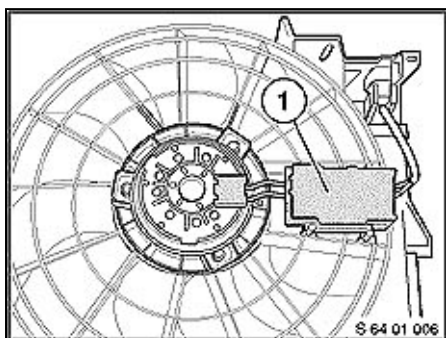
E46, 3 Series (with manual transmission) vehicles:



1. Check the Recall Campaign label affixed to the B-pillar:

If the recall code number 316 is punched-out on the on the label (2), then NO further action is required.

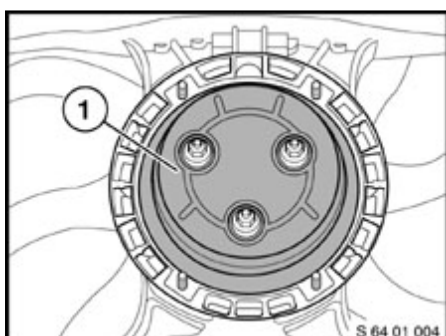
If the number differs from 316, or recall label is not found, then continue with step 2.



2. Check whether a fan with an external electronics box has been installed in the vehicle. The housing for the external electronics is installed on the fan shroud, between the fan and the engine block (1).

If the electric fan with external electronics has been installed, then NO further action is required.

If the electric fan with internal electronics has been installed, then continue with step 3.

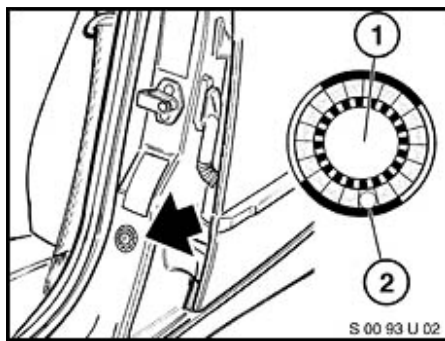


3. Remove electric fan/shroud assembly. For removal/installation instructions refer to TIS RA 17 11 031. Inspect the back of the fan housing:

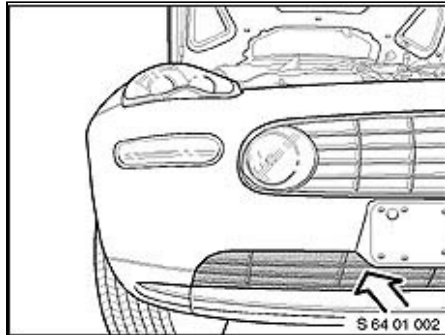
If the motor housing (1) is solid black, without cutouts (as shown on the illustration), then NO further action is required. Reinstall all previously removed components.

If the motor housing has cutouts and the aluminum body of the fan module can be seen, then replace electric auxiliary fan/shroud assembly with the new part - PN 17 11 7 510 617.

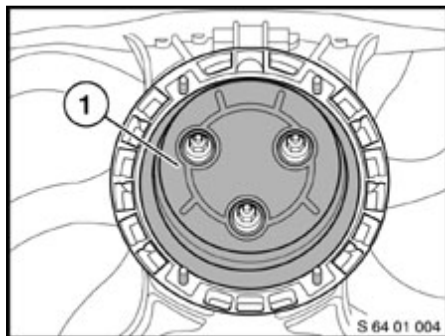
E52, Z8 vehicles:



1. Check the Recall Campaign label affixed to the B-pillar:
If the recall code number 316 is punched-out on the on the label (2), then NO further action is required.
If the number differs from 316, or recall label is not found, then continue with step 2.

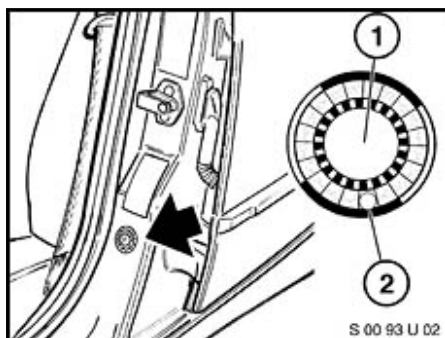


2. Check the BMW part number on the fan/shroud assembly. The part number is located on the lower right side of the shroud (molded next to the BMW logo, or on the label printed next to the logo). The number can be read from the outside, through the lower radiator grille (location indicated on the illustration).
UPDATE! **If the part number is: 64 54 6 921 383 or 64 54 6 921 942, then NO further action is required.**
If the part number differs from that listed, then continue with step 3.

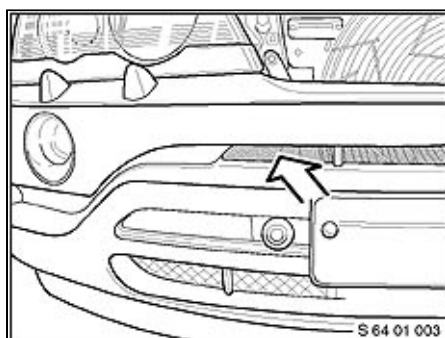


3. Remove top radiator cover and center air-guiding ducts.
4. Disconnect electrical connector to the auxiliary fan.
5. Remove electric auxiliary fan/shroud assembly, and inspect the back of the fan housing.
If the motor housing (1) is solid black, without cutouts (as shown on the illustration), then NO further action is required. Reinstall all previously removed components.
UPDATE! **If the motor housing has cutouts and the aluminum body of the fan module can be seen, then replace electric auxiliary fan/shroud assembly with the new part - PN 64 54 6 921 942.**

E53, X5 vehicles:

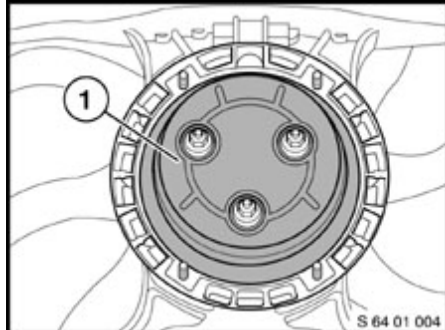


1. Check the Recall Campaign label affixed to the B-pillar:
If the recall code number 316 is punched-out on the on the label (2), then NO further action is required.
If the number differs from 316, or recall label is not found, then continue with step 2.



2. Check the BMW part number on the fan/shroud assembly. The part number is located on the lower right side of the shroud (molded next to the BMW logo, or on the label printed next to the logo). The number can be read from the outside, through the gap between bumper trim and the cover (location indicated on the illustration).
UPDATE! **If the part number is: 64 54 6 921 381 or 64 54 6 921 940, then NO further action is required.**
If the part number differs from that listed, then continue with step 3.

3. Remove electric fan/shroud assembly. For removal/installation



instructions refer to TIS RA 17 40 000. Inspect the back of the fan housing:

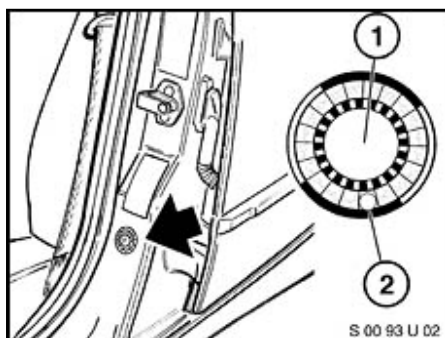
If the motor housing (1) is solid black, without cutouts (as shown on the illustration), then NO further action is required. Reinstall all previously removed components.

UPDATE! If the motor housing has cutouts and the aluminum body of the fan module can be seen, then replace electric auxiliary fan/shroud assembly with the new part - PN 64 54 6 921 940.

PARTS INFORMATION

Part Number	Description	Quantity
17 11 7 510 617	Cooling fan E46 w. manual trans.	1
64 54 6 921 942	Pusher fan E38/E52 vehicles	1
64 54 6 921 395	Pusher fan E39 vehicles	1
64 54 6 921 940	Pusher fan E53 vehicles	1

LABEL INSTRUCTIONS



This Recall Campaign has been assigned code number **316**. After the vehicle has been checked, and corrected if necessary, obtain a label (SD 92-170) and:

- emboss your BMW dealer warranty number in the middle of the label (1);
- punch out code number **316** printed on the label and,
- 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.

WARRANTY INFORMATION

- Reimbursement for this Recall Campaign will be provided through Campaign Entry.
- If fan replacement is necessary, and the required improved part is not on hand, the customer should be provided with a **service loaner**. If all loaners are in use, BMW NA will reimburse for actual invoiced rental in sublet under the following defect code, up to a maximum of \$49.00 per day (plus tax) for a maximum of five days under the terms of the "Self-Authorization Program". The BMW agreement with Enterprise Rent-A-Car should be utilized whenever possible to provide the best service to the customer.
- BMW NA needs to track the use of rentals required in conjunction with failures of the auxiliary fan motor. For this reason, a unique rental defect code: **11 00 99 99 ZZ** is being assigned. All rentals in conjunction with this repair, whether self-authorized or Market Team authorized, must use this defect code.
- Please do not use rental vendor codes PB, SA, ER, SR, WR or CR if rental is claimed for this repair only.

Defect Code

00 64 36 01 00

Work Package #1:	Check electric fan part number only (all models) without fan removal		
Labor Operation:	00 53 092		
Labor Allowance:	5 FRU		
Work Package #2:	Check electric fan part number, remove fan and check housing only on E38 (740i/iL with headlight washing only), E39, E46, E52, & E53 vehicles		
Labor Operation:	00 53 108		
Labor Allowance:	5 FRU	E46	
Labor Allowance:	10 FRU	E52 (Z8)	
Labor Allowance:	16 FRU	E39 (Not applicable for M5)	
Labor Allowance:	24 FRU	E53	
Labor Operation:	00 53 109		
Labor Allowance:	11 FRU	E38 (740i/iL with headlight washing only)	
Work Package #3:	Check electric fan part number, remove fan and check housing only on E38 (all 750iL & 740i/iL w/PDC & SRA), and E39, E53 vehicles with SRA only, or SRA and PDC		
Labor Operation:	00 53 111		
Labor Allowance:	12 FRU	E38 with PDC and SRA	
Labor Operation:	00 53 109		
Labor Allowance:	17 FRU	E39 w/SRA, or w/SRA & PDC (Applicable for M5)	
Labor Allowance:	25 FRU	E53 w/SRA, or w/SRA & PDC	
Work Package #4:	Check and replace auxiliary/cooling fan on E38 (740i/iL with headlight washing only), E39, E46, E52, E53 vehicles		
Labor Operation:	00 53 094	E38 (740i/iL with SRA only)	
Labor Allowance:	11 FRU		
 Parts Allowance:	64 54 6 921 942 Pusher fan; Qty.= 1		
Labor Operation:	00 53 093	E39 (Not applicable for M5)	
Labor Allowance:	16 FRU		
Parts Allowance	64 54 6 921 395 Cooling fan; Qty.= 1		
Labor Operation:	00 53 093		E46

Labor Allowance:		5 FRU	
Parts Allowance	17 11 7 510 617	Cooling fan; Qty.= 1	
Labor Operation:	00 53 093		E52 (Z8)
Labor Allowance:	10 FRU		
 Parts Allowance:	64 54 6 921 942	Pusher fan; Qty.= 1	
Labor Operation:	00 53 093		E53
Labor Allowance:	24 FRU		
 Parts Allowance	64 54 6 921 940	Pusher fan; Qty.= 1	
Work Package #5:	Check and replace auxiliary/cooling fan on E38, E39, E53 vehicles with PDC and headlight washing system (SRA)		
Labor Operation:	00 53 096	E38 (all 750iL & 740i/iL w/PDC & SRA)	
Labor Allowance:	12 FRU		
 Parts Allowance:	64 54 6 921 942	Pusher fan; Qty.= 1	
Labor Operation:	00 53 096	E39 (w/PDC & SRA)	
Labor Allowance:	17 FRU	Applicable for M5	
Parts Allowance	64 54 6 921 395	Pusher fan; Qty.= 1	
Labor Operation:	00 53 096	E53 (w/PDC & SRA)	
Labor Allowance:	26 FRU		
 Parts Allowance	64 54 6 921 940	Pusher fan; Qty.= 1	
Work Package #6:	Check and replace auxiliary/cooling fan on E39, E53 with PDC only		
Labor Operation:	00 53 095	E39 (w/PDC only)	
Labor Allowance:	16 FRU	Not applicable for M5	
Parts Allowance	64 54 6 921 395	Pusher fan; Qty.= 1	
Labor Operation:	00 53 095	E53 (w/PDC only)	
Labor Allowance:	25 FRU		
 Parts Allowance	64 54 6 921 940	Pusher fan; Qty.= 1	
Work Package #7:	Check and replace auxiliary/cooling fan on E39, E53 with headlight washer system (SRA) only		
Labor Operation:	00 53 094	E39 (w/SRA only)	
Labor Allowance:	17 FRU	Applicable for M5	
Parts Allowance	64 54 6 921 395	Pusher fan; Qty.= 1	
Labor Operation:	00 53 094	E53 (w/SRA only)	
Labor Allowance:	25 FRU		



Parts Allowance

64 54 6 921 940 Pusher fan; Qty.= 1

ATTACHMENTS

View PDF attachment [640701Letter](#).