



This Service Information bulletin supersedes SI B64 03 15 **dated July 2015**.

NEW designates changes to this revision

SUBJECT

Air Conditioning Cooling is Insufficient or Inoperative

MODEL

E90 (3 Series Sedan)

E91 (3 Series Sports Wagon)

E92 (3 Series Coupe)

E93 (3 Series Convertible)

SITUATION

The air conditioner system refrigerant level is low or empty.

CAUSE

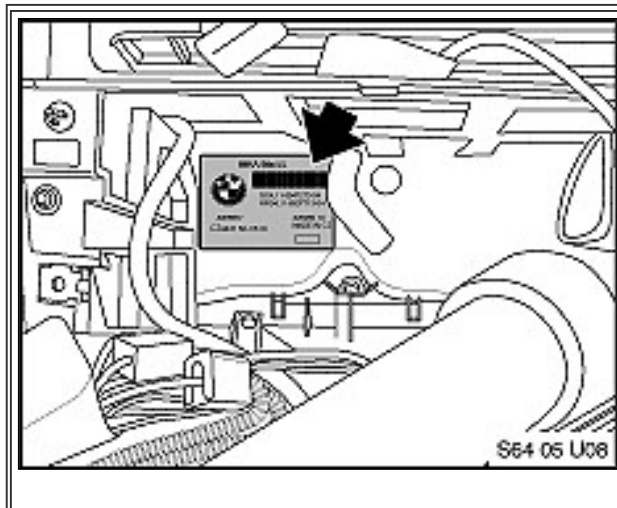
The evaporator is leaking refrigerant.

PROCEDURE

It is not necessary to perform a "Vehicle Test" or to perform and complete the corresponding diagnosis test plan.

Please use standard A/C troubleshooting procedures as follows:

1. Connect the A/C Charging Station and check the refrigerant charge level.
2. If the refrigerant charge level is low or empty, visually check the system for external leaks (condenser, receiver/dryer and hoses/connections).
3. **NEW** Refer to the attachment, which provides some key areas to inspect for external leaks and some helpful hints for leak testing.
4. If no other external system leaks are found, replace the evaporator with the "type" that is installed.



- Identify which version of IHKA housing is installed in the vehicle:
- Remove the radio and heater control panel and inspect white label on front of the heater housing.

The label will identify which type of evaporator is installed (either Denso or Valeo).

5. Recharge the system and check for proper cooling

PARTS INFORMATION

Part Number	Description	Quantity
64 11 9 290 888	Evaporator - VALEO	1
or		
64 11 9 179 802	Evaporator - DENSO	1

Bulk Materials

83 19 2 221 349	R134a (Gas 1 oz units)	As needed
82 14 1 467 704	BMW antifreeze/coolant	As needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	64 51 00 48 00	
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With Automatic Climate Control

Labor Operation:	Labor Allowance:	Description:
64 11 206	Refer to KSD2	Removing and installing or replacing heater (Includes discharging, evacuating and filling air conditioner and draining and replacing the "drained quantity" of coolant)
And:		
64 50 525	Refer to KSD2	Discharging, evacuating and filling air conditioner (for troubleshooting/air conditioning without refrigerant)
And:		
64 51 591	Refer to KSD2	Removing and installing or replacing evaporator

If you are using a Main labor code for another repair, use the Plus code labor operation 64 11 703 instead

Or:

Without Automatic Climate Control

Labor Operation:	Labor Allowance:	Description:
64 11 205	Refer to KSD2	Removing and installing or replacing heater (Includes discharging, evacuating and filling air conditioner and draining and replacing the “drained quantity” of coolant)
And:		
64 50 520	Refer to KSD2	Discharging, evacuating and filling air conditioner (for troubleshooting/air conditioning without refrigerant
And:		
64 51 590	Refer to KSD2	Removing and installing or replacing evaporator

If you are using a Main labor code for another repair, use the Plus code labor operation 64 11 702 instead
Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Sublet – Bulk Materials

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk materials (Do not use part numbers for claim submission)
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Sublet reimbursement calculations:

BMW Antifreeze/Coolant for the amount needed to replace what was drained with a “50/50 coolant/water solution” at dealer net plus handling (Bulk container reference P/N 82 14 1 467 704).

And as necessary:

The “used quantities” of other repair-related bulk materials (excluding R134a):

- BMW part numbers are at dealer net plus handling, or
- Other materials not available through BMW and obtained locally are at “cost plus 20 percent.”

Enter these material costs in sublet and itemize the amounts on the repair order and in the claim comment section.

ATTACHMENTS

View PDF attachment [B640315 Attachment](#).

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