



This Service Information bulletin supersedes SI B64 10 07 **dated August 2007**.

NEW designates changes to this revision

SUBJECT

Air Conditioning Delayed Startup

MODEL

E60, E61 (5 Series) with N62, N62TU (8 cylinder) only

E63, E64 (6 Series) with N62, N62TU (8 cylinder) only

Vehicles produced up to 3/2007

SITUATION

The customer states that when starting the vehicle after the vehicle is parked (for a few hours to as much as overnight), there is a noticeable delay (more than 2 minutes) in the startup (cooling) of the air conditioning system. No cold air is felt from the vents for as long as 10 minutes. The blower motor and IHKA (Integrated Heating and Air Conditioner) operate normally. Once the system starts to cool, operation and performance are normal.

CAUSE

A/C compressor

PROCEDURE

1. Connect the BMW Diagnostic tester to the vehicle. Troubleshoot any related faults stored in the system.
2. Perform the following A/C system performance test as per the repair manual RA 64 50 ...
3. Enter IHKA "Control module functions/Diagnosis requests" and display "Evaporator Temperature".
4. Position a thermometer with a separate gauge approximately 5 cm below the headliner at the top of the B-pillar. Position the gauge so that it can be easily read.
5. Start the vehicle and heat up the vehicle interior as follows:
 - o The A/C button is **not** activated during the heating up period.
 - o Set the recirculated air mode.
 - o Select the air distribution mode for the footwell and defrost.
 - o Maximum heat temperature setting.
 - o Maximum blower speed.
 - o Close all doors and windows.

- Run the engine at approximately 2000 rpm until the normal engine temperature has been reached, and then continue with idle mode.
6. As soon as an interior vehicle temperature of 50°C (122°F) has been reached, turn on the A/C button to activate the cooling down period.
 7. After 3-4 minutes, the evaporator temperature sensor (as read using the DIS/GT1) should read < or = 15°C (59°F).
 8. If the desired temperature is not reached, refer to [SL B64 03 05](#) for further troubleshooting hints.
 9. If the desired temperature is reached, replace the air conditioning compressor.

NEW PARTS INFORMATION

Part Number	Description	Quantity
64 52 9 160 865	Air-Conditioning Compressor	1

Note: a limited number of this part number is available. Once supplies have been depleted, order the part number from the EPC.

NEW WARRANTY INFORMATION

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

Defect Code 64 52 00 14 00

Main Work*

Labor Operation:	64 10 012	(Procedure Steps 1-8) Checking function of
Labor Allowance	Refer to KSD	heating regulation
Labor Operation	64 10 012	(Procedure Steps 1-9) Checking function of
Labor Allowance	Refer to KSD	heating regulation
Labor Operation	+ 64 50 510	Discharging, evacuating and filling air
Labor Allowance	Refer to KSD	conditioner (+Associated Work)
Labor Allowance	+ 64 52 523	Replacing compressor (+Associated Work)
Labor Allowance	Refer to KSD	

***Main Work:** Use this labor operation number when this is the only repair being performed, or if this is the main repair when performed along with other repairs at the same time. If this is not the main repair, refer to KSD for the associated (+) labor operation code.