



AIR CONDITIONING COOLING IS INSUFFICIENT

MODEL

F48 (X1)

With option code SA 530 air conditioning or SA 534 Automatic air conditioning Produced from 2/1/2016 to 9/30/2016.

SITUATION

- A/C system is not providing sufficient cooling and the vehicle switch is NOT in "Eco Pro" position.
- A/C system contains little or no A/C refrigerant.

CAUSE

Contaminants under O-ring seals have allowed refrigerant loss.

CORRECTION

Replace O-ring seal and clean contaminant or repair damage if necessary

PROCEDURE

For conditions that are similar to the situation described

- Perform diagnosis with the latest version of ISTA.
- Work through corresponding test module.
- Perform A/C performance and leakage test with dye to confirm any leaks in the system.

Has there been a loss of refrigerant in the system?

YES - go to next step.

NO - continue troubleshooting with ISTA diagnostics.

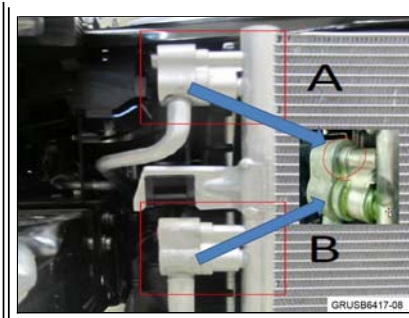
- Inspect the system components.

Is there an obvious cause for the refrigerant loss at the condenser (checked by black light)?

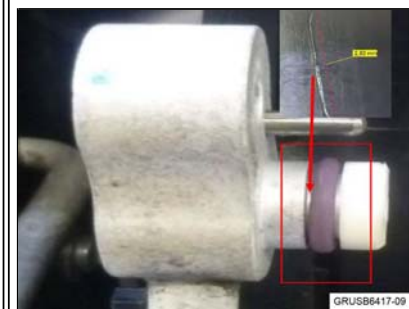
YES - make necessary repairs.

NO - go to next step.

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| | <ul style="list-style-type: none">• Disassemble the flange joints (A and B as shown). |
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- Discard O-ring seals
- Clean flange joint with lint-free cloth.
- Inspect sealing surfaces of flange joint.



Are there deep scratches or material missing from line O-ring surface (see picture)?

YES- Replace the affected pressure line. Go to next step.

NO – Go to next step.

- Replace seals.
- Reassemble and retest the system.



Note: Recharge A/C system with the same refrigerant type

that was evacuated from the vehicle. Confirm with label under hood.

PARTS INFORMATION

Part Number	Description	Quantity
64 50 8 374 959	Gasket Ring, 9,5 mm (condenser-evaporator)	1
64 50 8 375 741	Gasket Ring, 10,8 mm (compressor-condenser)	1
Refer to ETK	Pressure hose compressor-condenser	1
Refer to ETK	Pressure hose condenser-evaporator	1

83 19 2 221 349	R134a Gas (1 oz unit)	As needed
Or		
83 19 2 287 039	Refrigerant R1234yf (1 oz unit)	As needed

WARRANTY INFORMATION

This service information bulletin provides technical, diagnostic and/or repair-related information.

Eligible and Covered Work/Repairs

Under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks, if an eligible repair is performed to address a verified defect in materials or workmanship, claim as follows:

Defect Code:	6453004800	Refrigerant Line for Air Conditioning
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Refer to KSD2/AIR for the corresponding flat rate labor operations (including diagnosis) and the flat rate unit (FRU) allowances.

Only one Main operation can be claimed per repair visit.

Work time labor operation codes require an individual punch times and explanations on the repair order and in the claim comments section.

Use Sublet code (04) for claiming the used quantities of repair-related bulk materials as allowed, excluding refrigerant.

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