



**NUMBER:** 24-006-07

**GROUP:** Heating & A/C

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**SUBJECT:**

A/C Compressor Noise or Housing Damage

**OVERVIEW:**

This bulletin involves replacing the A/C Compressor with a new design and a new Condenser to compensate for revised compressor performance.

**MODELS:**

|      |        |         |
|------|--------|---------|
| 2007 | (MK49) | Compass |
| 2007 | (MK74) | Patriot |
| 2007 | (PM)   | Caliber |

**NOTE:** This bulletin applies to 2007 PM/MK vehicles equipped air conditioning (sales code HHA or HAA) with a 1.8L, 2.0L or 2.4L (non turbo) Gasoline Engine (sales codes EBA, ECN or ED3) and Manual Transmission (sales codes DD7).

**SYMPTOM/CONDITION:**

A vehicle that is operated aggressively during cold conditions may experience damage to the A/C compressor due to refrigerant slugging causing poor or no A/C performance, possible rattle noise or compressor damage.

**DIAGNOSIS:**

Inspect the A/C compressor for physical damage to housing or rattle noise from compressor due to refrigerant slugging. If any of these symptoms exist, perform the Repair Procedure.

**NOTE:** Whenever a compressor is damaged internally, the suction/liquid line (liquid line assembly) and accumulator must be replaced due to potential plugging from debris in the system.



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**PARTS REQUIRED:**

| Qty.    | Part No.     | Description   |
|---------|--------------|---|
| 1       | 55111555AA   | Compressor, A/C   |
| 1       | 04891721AB   | Belt, Drive 2576 mm   |
| 1       | 5189376AA    | Accumulator   |
| 1       | 05058152AF   | Line, Liquid/Suction  |
| 1       | 68004052AB   | Condenser   |
| 1       | 05189357AA   | "O"-Ring, Accumulator End   |
| 1       | 05189359AA   | "O"-Ring, Compressor End  |
| 2       | 05189361AA   | "O"-Ring, Compressor & Condenser End  |
| 1       | 05189361AA   | "O"-Ring, Condenser End   |
| 1       | 05189372AA   | "O"-Ring, Suction Line to Accumulator   |
| 1       | 05189358AA   | Seal, Drier End   |
| 1       | 05189360AA   | Seal, Compressor End  |
| 2       | 05189360AA   | Seal, Compressor & Condenser End  |
| 1       | 05189362AA   | Seal, Condenser End   |
| 1       | 05189370AA   | Seal, Evaporator End ½ Inch (Liquid)  |
| 1       | 05189371AA   | Seal, Evaporator End ¾ Inch (Suction)   |
| ** (AR) | **82300329** | R-134 Refrigerant, (1 Container Will Service Many Vehicles) ** Refer to under hood placard for system capacities. (PN shown is used in 1 Lb increments) |

**NOTE: The new compressor includes a 120 mm pulley and requires a new (longer) drive belt size of 2576 mm. (The old compressor has a 100 mm pulley with 2560 mm drive belt pn 04891598AB).**

**SPECIAL TOOLS/EQUIPMENT REQUIRED:**

|     |                         |
|-----|-------------------------|
| NPN | A/C Recycling Equipment |
| NPN | A/C Gauge Set           |

**REPAIR PROCEDURE:**

1. Following the procedures outlined in DealerCONNECT>TechCONNECT evacuate the A/C system.
2. Following the procedures outlined in DealerCONNECT>TechCONNECT, remove vehicle components to access and remove the A/C Compressor, Condenser, Liquid Line Assembly, and Accumulator.
3. Completely remove compressor drive belt from the vehicle and discard.
4. Flush and transfer the A/C Discharge Line (compressor to condenser) and A/C Suction Line (compressor to accumulator).

- 5. Following the specifications in DealerCONNECT>TechCONNECT, follow the oil fill requirements based on the components replaced and install the new Liquid/Suction Line pn 05058152AF, Accumulator pn 5189376AA, Condenser pn 68004052AB, and Compressor pn 55111555AA.
- 6. Install new accessory drive belt pn 04891721AB

**NOTE: The new drive belt must be installed due to revised length to accommodate new pulley size.**

- 7. Following the procedures outlined in DealerCONNECT>TechCONNECT, install any vehicle components that were removed during disassembly.
- 8. Following the procedures outlined in DealerCONNECT>TechCONNECT, evacuate and fill the A/C system with R134A following the under hood placard for system capacities.

**NOTE: Do not start the engine with the A/C system under a vacuum.**

- 9. Verify system operation.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

| Labor Operation No: | Description  | Amount   |
|---------------------|--|----------|
| 24-10-01-95         | Compressor, Drive Belt, Condenser, Accumulator, and Suction/Liquid Line - Replace - Includes Recovery/Recharge (B) | 3.0 Hrs. |

**FAILURE CODE:**

|    |                |
|----|----------------|
| ZZ | Service Action |
|----|----------------|