



NUMBER: 24-001-21

GROUP: 24 - Heating and Air Conditioning

DATE: January 27, 2021

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This Technical Service Bulletin has also been released as a Rapid Response Transmittal (RRT) 21-020, date of issue January 27, 2021. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RRT will expire 18 months after the date of issue.

SUBJECT:

Air Conditioning Line Crimp Failure

OVERVIEW:

This bulletin involves inspecting the A/C compressor suction and discharge lines for leaks and replacing any line that's leaking.

MODELS:

2020 - 2021 (M1) Jeep Compass

NOTE: This bulletin applies to vehicles within the following markets/countries: LATAM.

NOTE: This bulletin applies to vehicles equipped with 2.0L I4 Turbo Diesel Engine W/ESS (Sales Code EBT).

SYMPTOM/CONDITION:

The customer may describe the following:

- The air conditioning is inoperable.

DIAGNOSIS:

If a customer's VIN is listed in VIP or your RRT VIN list, perform the Diagnosis Procedure. **This RRT only applies to vehicles on the RRT VIN list.**

1. Open the hood.
2. Disconnect and isolate the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), disconnect the IBS connector first before disconnecting the negative battery cable.
3. **If equipped**, remove the belly pan. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>13 - Frame and Bumpers/Under Body Protection/Belly Pan/Removal. **If not equipped, proceed to [Step 4](#).**

4. Using a black or white light, check the compressor suction and discharge line quick couplings and pipe clamps for leaks ([Fig. 1](#)) . Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>24 - Heating and Air Conditioning / Plumbing / Diagnosis and Testing.



Fig. 1
Areas To Check For Leaks

5. Was the connection of the hose A/C discharge line (flexible pipe) leaking?
- YES>>> Proceed to [Step 1](#) of the Repair Procedure.
 - NO>>> Proceed to [Step 6](#).
6. Was the connection of the hose A/C suction line (flexible pipe) leaking?
- YES>>> Proceed to [Step 2](#) of the Repair Procedure.
 - NO>>> This bulletin has been completed. Use inspection LOP (24-45-25-90) to close the active RRT.

PARTS REQUIRED:

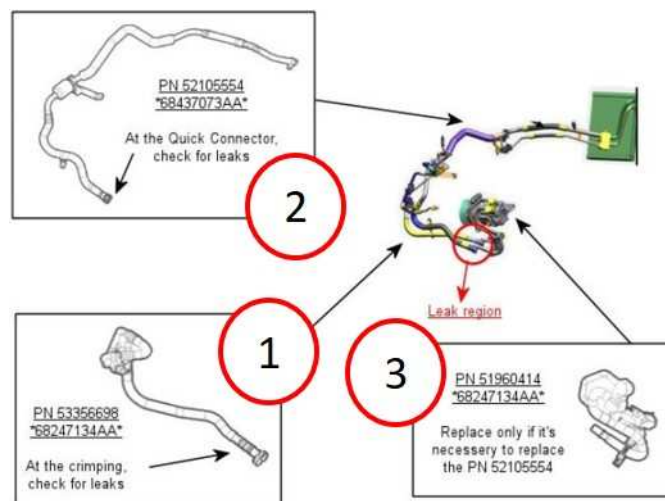
Qty.	Part No.	Description
1 (AR)	53356698 - LATAM 68280696AA - MOPAR	Line, A/C Discharge
1 (AR)	51960414 - LATAM 68247134AA - MOPAR	Jumper, A/C Suction
1 (AR)	52105554 - LATAM 68437073AA - MOPAR	Line, A/C Suction
(AR)	82300101AC	Refrigerant 2.0L Diesel 1.25 lb./567 g

NOTE:

- Only replace the A/C lines that are leaking. Do not replace all A/C lines.
- Replacement of the refrigerant line seals is required anytime a refrigerant line is disconnected. Failure to replace the rubber O-ring seals may result in a refrigerant system leak.
- Lubricate **NEW** seals with clean refrigerant oil and install them onto the open refrigerant line fittings. Use only the specified seals as they are made of a special material for the system. Use only refrigerant oil of the type recommended for the A/C compressor in the vehicle.

REPAIR PROCEDURE:

1. Replace the A/C Discharge line (flexible pipe) (Fig. 2) . Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>24 - Heating and Air Conditioning/Plumbing/Line, A/C Discharge/Removal and Installation.

**Fig. 2****Check Connections And Line Replacement**

- 1 - A/C Discharge line (flexible pipe)
- 2 - A/C Suction line (flexible pipe)
- 3 - A/C Suction and Discharge jumper (rigid pipe)

2. Replace the A/C Suction line (flexible pipe) (Fig. 2) . Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>24 - Heating and Air Conditioning/Plumbing/Line, A/C Suction/Removal and Installation. Proceed to the next step.
3. Replace the A/C Suction and Discharge jumper (rigid pipe) (Fig. 2) . Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>24 Heating and Air Conditioning/Plumbing/Assembly, A/C Suction and Discharge/Removal and Installation. Proceed to the next step.
4. **If equipped**, install the belly pan. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>13 - Frame and Bumpers/Under Body Protection/Belly Pan/Installation. **If not equipped, proceed to Step 5.**
5. Close the hood.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
24-45-25-90	Lines, A/C - Inspect (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.3 Hrs.
24-45-25-91	Lines, A/C Suction and Discharge - Replace (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.5 Hrs.
24-45-20-90	Line, A/C Suction - Replace (1 - Semi-Skilled)	6 - Electrical and Body Systems	1.4 Hrs.

RELATED LOP:

Labor Operation No:	Description	Skill Category	Amount
24-45-25-60	Belly Pan - Removal (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.3 Hrs.

FAILURE CODE:

ZZ	Service Action
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