



NUMBER: 24-006-10

GROUP: Heating & Air
Conditioning

DATE: August 25, 2010

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SUBJECT:

Liquid Line Service Port Leak

OVERVIEW:

This bulletin involves inspecting the liquid line service port for an internal leak and if necessary, replacing the liquid line.

MODELS:

2011 (WK) Grand Cherokee

NOTE: This information applies to models built prior to July 3, 2010

SYMPTOM/CONDITION:

A/C system is inoperative or loses charge. This may be caused by a weld issue inside the service port on the liquid line. This condition is difficult to diagnose since the A/C gauge set (when connected) will cover up the leak point.

DIAGNOSIS:

1. Operate the A/C system. Does the compressor engage?
 - a. YES > Continue with [Step #2](#).
 - b. NO > Add refrigerant in the appropriate volume and continue with [Step #2](#).
2. Remove the cap from the liquid line service port. Using a liquid leak detector (SNOOP or equivalent), check inside the service port for leaking refrigerant. Are bubbles seen coming from inside the service port?
 - a. YES > Follow the Repair Procedure to replace the liquid line.
 - b. NO > Further leak checking is required. This Service Action does not apply.

PARTS REQUIRED:

Qty.	Part No.	Description
AR (1)	55038059AF	Line, A/C Liquid
AR (2)	68086125AA	Seal, A/C Line
AR	82300329	Refrigerant, R-134



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SPECIAL TOOLS/EQUIPMENT REQUIRED:

NPN	A/C Refrigerant/Recovery Equipment
NPN	A/C leak detection / SNOOP or equivalent

REPAIR PROCEDURE:

1. Replace the Liquid Line pn 55038059AF and line seals pn 68086125AA following all procedures in DealerCONNECT > TechCONNECT > 24 - Heating and Air Conditioning > Plumbing > LINE, A/C Liquid - Remove/Install.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
24-45-23-90	Inspect, Service Port for Leak (B)	0.4 Hrs.
24-45-23-91	Inspect & Replace Liquid Line (B)	1.5 Hrs.

FAILURE CODE:

ZZ	Service Action
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