



Total Car Care Technical Service Bulletins



Manufacturer: Nissan (TSB # 11-046a)

TCC Group: 02 -13 -0412

Subject: JUKE and VERSA: Checking for A/C Evaporator Leak

Model: 2011-2012 Juke - All
2007-2011 Versa Sedan - All
2007-2012 Versa Hatchback - Vehicles Built before on:
3N1BC1CP(*)CK 196927 /Aug 24,2011
3N1BC1CP(*)CL 364496 /Aug 30,2011

Issue: When servicing the A/C system on an Applied Vehicle for poor cooling due to low refrigerant, the entire system should be thoroughly checked for leaks.

The diagnostic tips in this bulletin are provided as a help to check for leaks at the A/C evaporator.

Diagnostic Tip #1:

Check for refrigerant oil on the In-Cabin Microfilter.

- a. Remove the In-Cabin Microfilter
 - Refer to DirecTech PRO/ALLDATA as needed for filter removal.
- b. Refrigerant oil on the filter indicates the evaporator is leaking..



Figure 1

Continued...



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Diagnostic Tip #2

Check for oil/dye on evaporator tubes or surface.

- a. Remove the glove box.
 - Refer to DirecTechPRO/ALLDATA as needed for glove box removal information.
- b. Use a mirror, ultraviolet light and yellow glasses to check for oil/dye on the evaporator surface/tubes.



Figure 2

NOTE Essential tool J-44926 (A/C Dye Leak Detection Kit) contains an ultraviolet light and yellow glasses. Equivalent light and glasses can also be used.

·If oil is on the evaporator, it is usually on the lower tank.

·Refrigerant oil/dye visible on the evaporator indicates the evaporator is leaking.



Figure 3

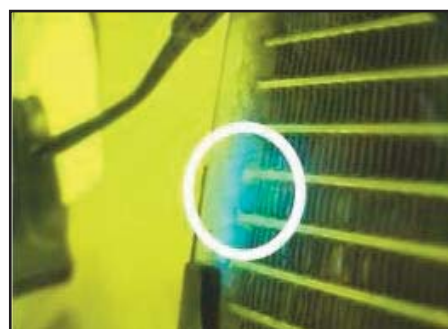


Figure 4

Example of evaporator leak:

·Oil/dye is present where tubes attach to the lower tank.