

**87-18-11 - Refrigerant Recovery Printout / All Refrigerant Circuit A/C Repairs**

Release date: 11/4/2019

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## Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2010-2020	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2043893/9	11/4/19	87-18-11	Add model year 2020
2043893/8	8/27/18	V871811	Add model year 2019
2043893/7	1/25/18	V871803	To include warranty WISE process.
2043893/1	5/25/16	V871605	Original publication.

The A/C system has been diagnosed as low on refrigerant and will be repaired under warranty.

## Technical Background

When diagnosing and repairing the A/C refrigerant circuit the amount of A/C refrigerant and PAG oil recovered must be documented.

## Production Solution

Not applicable.

## Service

For R134a refrigerant systems use the RobinAir® A/C Service Unit - ROB134APF to create a printed-out report showing the amount of refrigerant and oil recovered.

For R1234yf refrigerant systems use the MAHLE R1234yf A.C. Service Unit - VAS581005 to create a printed-out report showing the amount of refrigerant and oil recovered.

**Note:**

This report must be submitted and uploaded to WISE with any refrigerant circuit diagnosis/repair for reimbursement. See warranty section for more information on uploading information in WISE.

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**Follow the steps below:**

1. Ensure that the A/C service unit shows the correct date and time (Figure 1). If the date and time are incorrect, use the menu to program the correct date and time before proceeding.

**Note:**

The VAS581005 MAHLE A/C Service Unit has similar screens to the RobinAir® A/C Service Unit - ROB134APF. Refer to R1234yf Air Conditioning Service Unit - Instruction Manual for setting up date and time settings and for recovery print instructions.



**Figure 1:** Date and time screen.

2. Perform a recovery of the system.



**Figure 2:** System recover process.

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3. Record values for RECOVERED and OIL DRAINED on the repair order.



**Figure 3:** Amount of refrigerant recovered (A), and amount of oil drained (B).

4. Immediately after recovery, select the Print button.



**Figure 4:** Location of the Print button.

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5. When the SELECT PRINT TYPE screen opens, use the keypad to select 2) RECOVER CHARGE.



Figure 5: Selecting a print type.

6. On the next screen, use the keypad to enter the last 8 digits of the VIN and then press the START/YES key.



Figure 6: Enter VIN screen.

7. The next screen will request the license plate. Entering the license plate is not necessary. Press the START/YES key to continue.



Figure 7: Enter license plate screen.

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8. The A/C service unit will create a printed report. Send the printed report with the defective A/C compressor. Package the defective compressor in empty packaging from the replacement compressor.

**Note:**

The printed report must always have the following:

- Vehicle identification number
- Amount of refrigerant and oil recovered.
- Dealer code, date and time.

Flush procedure printout must also be provided when the compressor is replaced but not substituted for the recovery documentation.

-----  
DEALERSHIP#  
403996  
-----  
VIN  
134502  
RECOVERED 0.02 KG  
OIL DRAINED 2 ml  
VACUUM TIME 20:00  
CHARGED 574 GRAM  
OIL INJECTED 150 ml  
-----  
ALL VALUES FOR  
REFERENCE ONLY  
-----  
ROB134APF  
SPX ROBINAIR  
www.robinair.com  
-----  
LICENSE  
-----  
10/11/13 04:21 PM  
SIGNATURE  


**Figure 8:** Print Out Example



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## Warranty

Informational only.

**Note:**

This report must be submitted and uploaded to WISE with any refrigerant circuit diagnosis/repair for reimbursement. For information on uploading documents and pictures in WISE, go to WISE > Resource Center > Dealer Processes & Guide, select pdf file: Wise Operations Section – Doc-IT Technical Bulletin Uploading Process Job Aid”.

## Required Parts and Tools

No special parts required.

Tool Description	Tool No:
RobinAir® A/C Service Unit	ROB134APF
MAHLE R1234yf Air Conditioning Service Unit	VAS581005

## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.