



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

Release date: 5/11/2020

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
2043893/10	5/11/20	87-18-11	New machine version added to table.
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.



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

Release date: 5/11/2020



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.

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.



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

Release date: 5/11/2020

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.



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

Release date: 5/11/2020

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.



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

Release date: 5/11/2020

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.

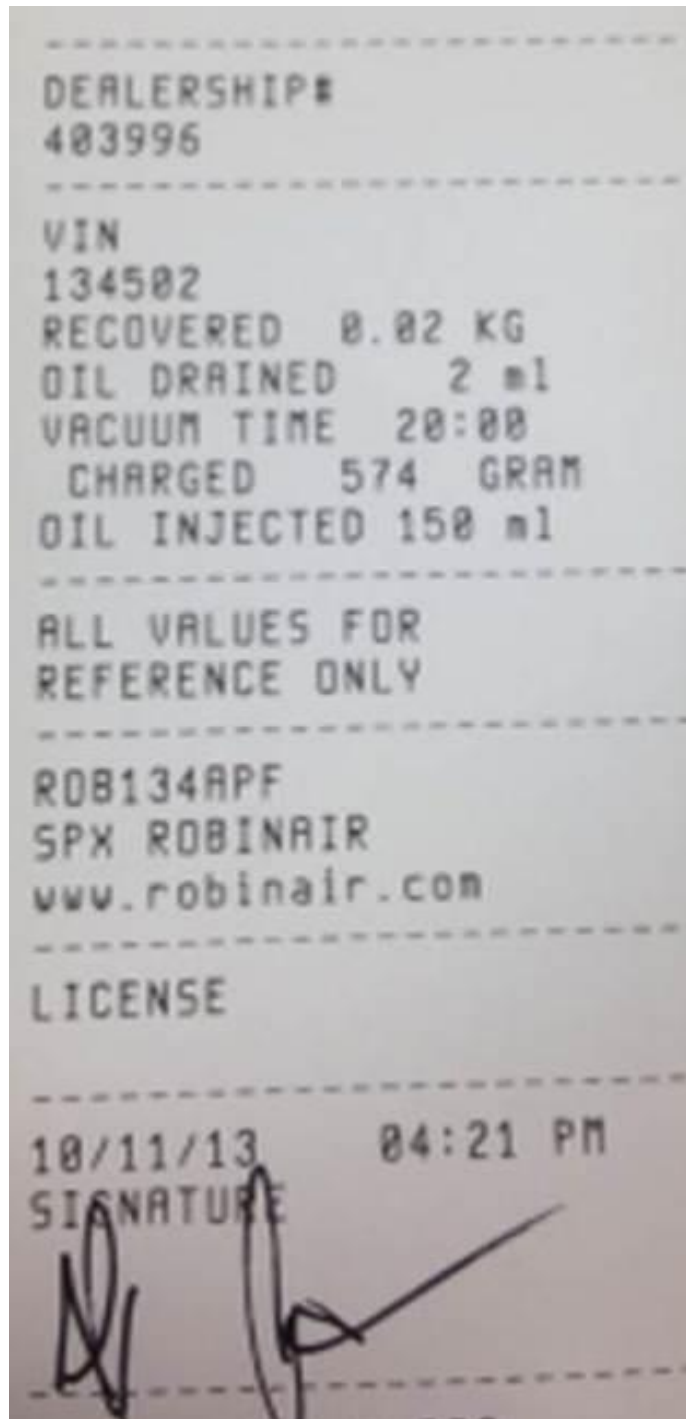


Figure 8: Print Out Example



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

Release date: 5/11/2020

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 Or latest machine version.
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.