



Transaction No: 2043893/9

11/4/2019

87-18-11 - Refrigerant Recovery Printout / All Refrigerant Circuit A/C Release date:

Repairs

Condition

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

evision 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.

Transaction No:



87-18-11 - Refrigerant Recovery Printout / All Refrigerant Circuit A/C Release date: 11/4/2019 Repairs

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.

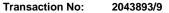


Figure 1: Date and time screen.

2. Perform a recovery of the system.



Figure 2: System recover process.





87-18-11 - Refrigerant Recovery Printout / All Refrigerant Circuit A/C Release date: 11/4/2019 Repairs

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 Release date: 11/4/2019 Repairs

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:

Transaction No:

11/4/2019

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.



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.

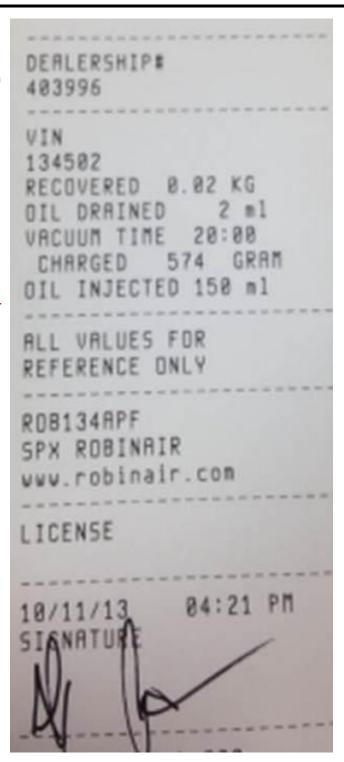


Figure 8: Print Out Example



Technical Service Bulletin

Transaction No: 2043893/9

87-18-11 - Refrigerant Recovery Printout / All Refrigerant Circuit A/C Release date: 11/4/2019

Repairs

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.