

## TOOL & EQUIPMENT MAINTENANCE GUIDE



TOOL NUMBER: TSN00457-101

TITLE: ROBINAR AC1234 AC SERVICE EQUIPMENT

REV, DATE: A, 4-30-24

### TOOL FUNCTION:

Service AC system on Rivian vehicles

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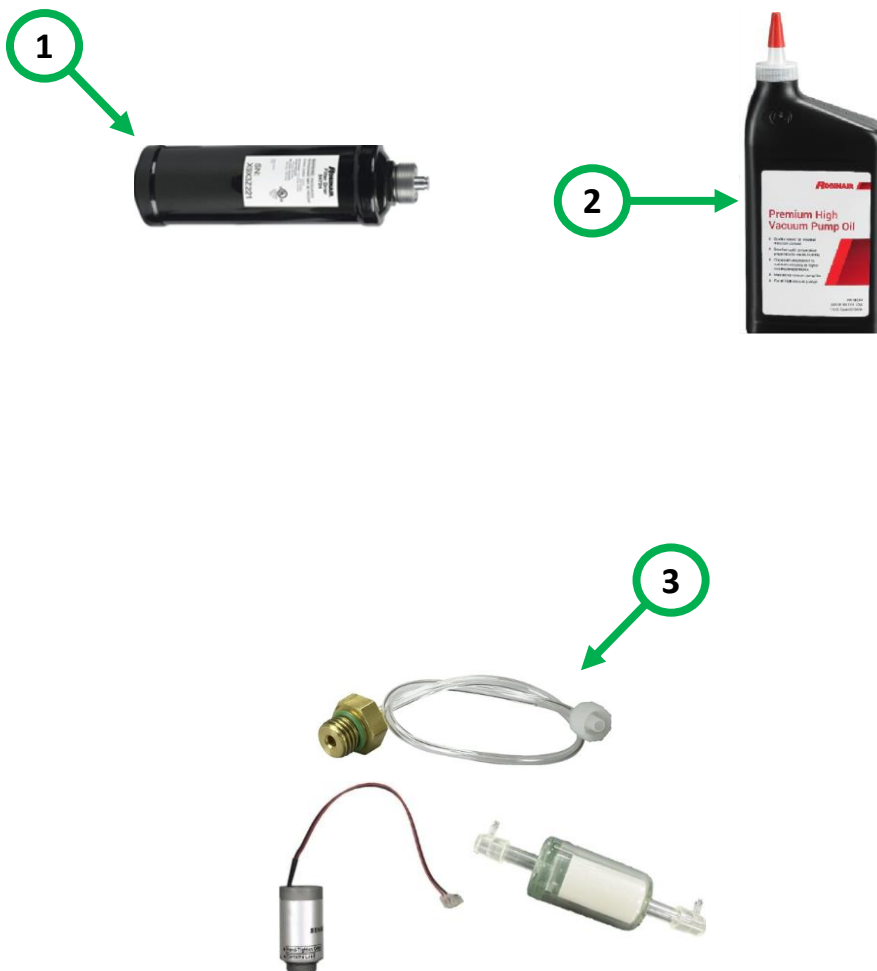
[COMMON REPLACEMENT PARTS](#)



## MAINTENANCE CHECKLIST

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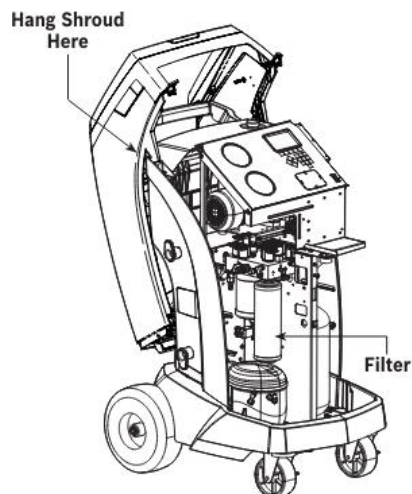
ITEM	DESCRIPTION	INSPECT	REPLACE
1	FILTER DRYER	N/A	PERFORM ANNUALLY
2	VACUUM PUMP OIL	MONTHLY	ANNUALLY
3	REFRIGERANT IDENTIFIER OXYGEN FILTER, SAMPLE HOSE, AND FILTER	MONTHLY	ANNUALLY
4	CHECK CALIBRATION		ANNUALLY



## MAINTENANCE INSTRUCTION

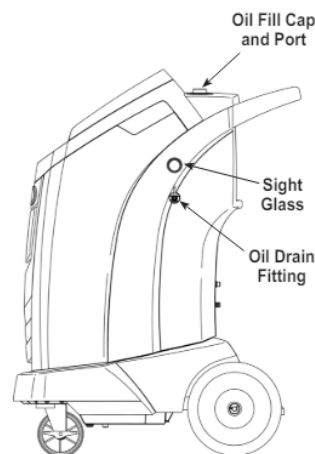
### 1. FILTER DRYER

- Select FILTER MAINTENANCE from the SETUP MENU.
- Select the CHECK mark
- Enter the new filter code
- Remove the old filter by turning it counter clockwise
- Install the new filter by threaded it clockwise, ensure that both o-rings are present and correctly located.



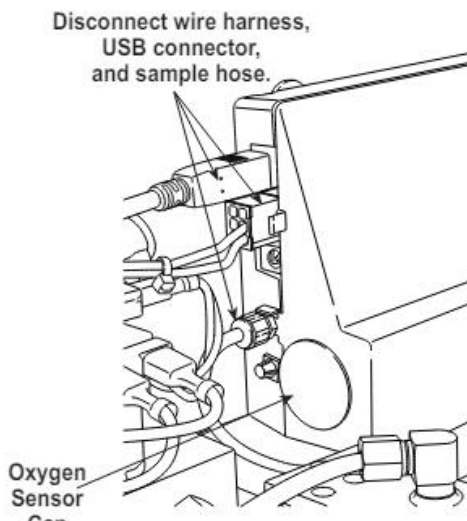
### 2. VACUUM PUMP OIL

- Select PUMP MAINTENANCE from the SETUP MENU.
- Select the CHECK mark
- After the compressor stops, slowly open the oil fill cap
- Remove the oil drain fitting cap and drain into a container for disposal
- Slowly add 150 ml of Vacuum Pump oil
- The oil level should reach the center of the sight glass.



### 3a. IDENTIFIER OXYGEN SENSOR

- Remove the oil bottle
- Disconnect the wire harness, usb connector and sample hose
- Remove the two screws holding the identifier to the machine, remove the identifier
- Carefully pry the oxygen sensor cap from the housing. Gently pull on the cap and wires until the connector exists the housing.



## MAINTENANCE INSTRUCTION

### 3a. IDENTIFIER OXYGEN SENSOR continued

- Disconnect the wire harness
- Move the cap and harness aside. Hold the lead and use a flat-blade screwdriver to unthread and remove the oxygen sensor.
- Install the new oxygen sensor (tighten to 4in. Lb)
- Reconnect the lead
- Replace the cap push until it clicks.
- Install identifier onto machine

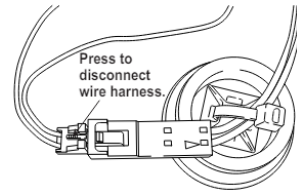


Figure 15

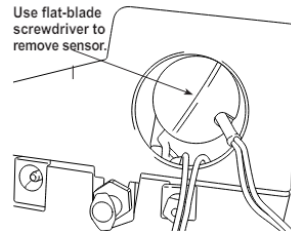
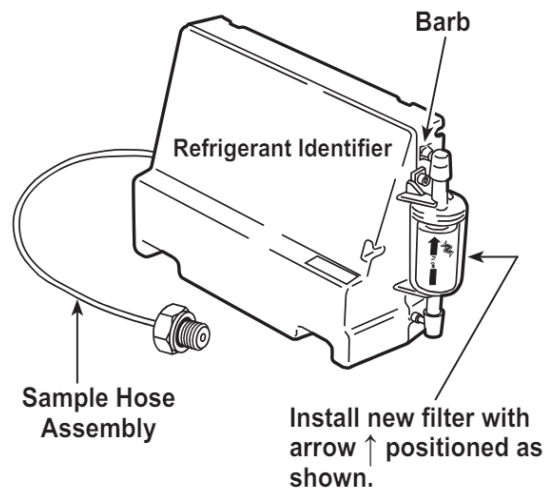


Figure 16

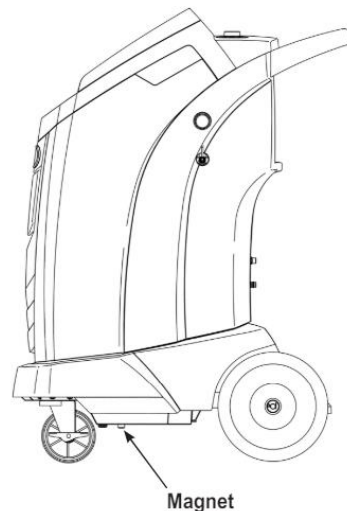
### 3b. IDENTIFIER SAMPLE HOSE AND FILTER

- Disconnect the existing sample hose and install a new one.
- Pull the filter out of the brackets and remove the barbs from the rubber connectors
- Install a new filter with the arrow pointing down.










### 4. CALIBRATION CHECK

- Select CALIBRATION CHECK from the SETUP MENU
- Attached the calibration weight to the magnet on the bottom of the machine
- Select the CHECK mark to continue
- Follow the prompt to remove the weight
- Machine should display CALIBRATION CHECK PASSED



## COMMON REPLACEMENT PARTS

FOR OTHER ITEMS NOT SHOWN, CONTACT EQUIPMENT SERVICE REP.

	DESCRIPTION	IMAGE	PART NUMBER
1	Filter dryer		34724
2	Identifier oxygen filter		16916
3	Identifier sample hose		16106
4	Identifier filter		16913
5	Vacuum pump oil		13203
6	Coupler high side		18123
7	Coupler low side		18122
8	High/low side hose set		71234
9	Calibration weight	<p>Calibration Check Weight 535 g (1.18 lb) Calibration Check Instructions see page 19.</p> 	16214
10	Printer paper		34214

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