

Machine information

Model: _____

Refrigerant: _____

Date: _____

Performed by: _____

For Robinair machines 34288NI, 34788NI, 34788NI-H, 34988NI, 34988NI-SL, 34998, 34888HD, 17800C, AC1234-4, AC1234-4SL, AC1234-6, and AC1234-9

1. Machine inspection

- Power on machine and perform visual exterior inspection including housing, hoses, power cord, couplers, casters and wheels.
- Is there any physical damage to machine exterior? If so, record/describe it here:

- Is the machine displaying any warnings? Yes ___ No ___ If yes, record warnings below:

- If unable to continue to main menu or operate machine, contact your local Robinair Authorized Service Center for repair

2. Filter: Check refrigerant filter life

- From the Setup Menu, select Filter Maintenance to display filter capacity remaining
- Record remaining filter capacity here: _____
 - R-1234yf filters must be replaced after 330 lbs. (150 kg) has been filtered and replace identifier items: sample hose assembly **ROB16106** and identifier filter **ROB16913**.
 - R-134a filters must be replaced after 150 lbs.
- Order replacement filter **ROB34724** or filter + oil maintenance kit **ROB13172** for most
- For machine 17800C, order **ROB19776** replacement filter
- If filter needs replacement, follow replacement procedure found in your machine's operators' manual

3. Vacuum Pump: Check vacuum pump oil

- Inspect oil condition through Sight Glass located on right side of machine. Ensure machine is on a flat, level surface for accurate reading. Record oil color below:
 - Clear ___ Oil is OK
 - Amber ___ Oil is OK
 - Green ___ **OIL MUST BE CHANGED**
 - Dark Amber or Green ___ **OIL MUST BE CHANGED**
- If vacuum pump oil needs to be changed, follow replacement procedure found in your machine's operators' manual. Use Robinair High Vacuum Pump Oil (**ROB13203 or ROB13119 or ROB13204**)

4. Scale calibration check

- Look underneath machine front and ensure mounted magnet is clean and free of debris
 - Select Calibration Check from Setup menu and follow on-screen prompts. Record results:
 - Calibration check passed ___
 - Calibration check failed. Retry? ___
- The scale may be out of calibration. Follow on-screen prompts to recheck calibration. If calibration continues to fail, contact your local Robinair Authorized Service Center for repair

5. Leak check

- › Select Leak Check from Setup menu
- › Connect service hose couplers to storage ports on rear of the machine
- › Follow on-screen prompts to perform vacuum test
- › Did the vacuum test pass?
 - Yes ___ Your machine will now perform a pressure decay test
 - No ___ Use a refrigerant leak detector to check for leaks. If vacuum test continues to fail, contact your local Robinair Authorized Service Center
- › Did the pressure decay test pass?
 - Yes ___ Your machine is ready for use
 - No ___ Contact your local Robinair Authorized Service Center

6. Internal Service Vessel (ISV) and Supply Tank check (N/A on 34888HD and 17800C)

- › Inspect external supply tank for damage. If OK, ensure black tank fill hose is securely connected to supply tank and supply tank valve is open
- › Select Adjust Background Fill Target from Setup Menu, enter your desired fill target, save the new value and exit. This will ensure your ISV is always full and ready for use
- › Machine will automatically start filling ISV and stop when fill target amount is reached. If machine fails to fill ISV, repeat the above steps or contact your local Robinair Authorized Service Center

7. Software Updates (34998 and AC1234-9 machines only)

- › Select Software Information from Settings screen on Main Menu
- › If no update is available, machine will indicate your software is up-to-date
- › If an update is available, a red “Update Software” icon will be shown. Tap on the icon to update software
 - Ensure your machine is connected to WiFi and has a strong connection. Do not interrupt software installation or turn off machine while updating

8. Refrigerant Identifier Maintenance (R-1234yf machines only; AC1234-4, AC1234-4SL, AC1234-6, AC1234-9)

- › If your machine displays a message regarding the oxygen (O2) sensor, the sensor in the machine’s integrated refrigerant identifier must be replaced. Order (O2) sensor **ROB16916**
- › To replace sensor, follow the replacement procedure found in your machine’s operators’ manual
- › Is identifier filter white? Yes ___ No ___ If no, replace filter

Maintenance check

- › Wipe airflow outlet panel cabinet and control panel ___
- › Lubricate wheel bearings and inspect brake components ___
- › Inspect all hoses, couplers and power cord ___
- › Inspect casters and wheel locks ___