

	GROUP SST	MODEL 2017MY Sportage (QL)
	NUMBER 045	DATE July 2016
TECHNICAL SERVICE BULLETIN		
SUBJECT: R1234YF REFRIGERANT LEAK DETECTOR		

The LD-2 Arctic Pro Leak Detector, supplied with the Mahle ACX-1299 Refrigerant Recovery Equipment, can aid in locating R1234yf refrigerant leaks.

Refer to the User Manual supplied with the LD-2 Arctic Pro Leak Detector for complete usage instructions.

Warm Up Mode

When Arctic Pro Leak Detector is turned on, a warm up process is initiated. The Leak Detector continuously beep letting you know it is in the warm up mode. The Mute button may be used to silence the beeps.

Sensing Mode

After about 20 seconds, the Leak Detector enters the Sensing Mode. During this time, a hum can be heard as the Leak Detector’s pump is pulling air through the sample tube.

Pressing the “Sens” button on the leak detector adjusts the sensitivity.

The Arctic Pro Leak Detector provides 3 sensitivity levels:

- Lo
- Norm
- Hi



*** NOTICE**

Some automotive chemicals containing hydrocarbons (e.g., coolants, washer fluids, fuels, lubricants, etc.) can initiate a false refrigerant leak response from the Arctic Pro Leak Detector. Ensure the area being sampled is clear of residue from these chemicals.

File Under: <SST>

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- General Manager
 Service Manager
 Parts Manager
 Service Advisors
 Technicians
 Body Shop Manager
 Fleet Repair

Checking for leaks

When R1234yf refrigerant is sensed, the “Leak Size Indicator” flashes numbers 1-9.

Maximum # Displayed	Leak Size (oz/yr)
1-3	<0.1
4-6	0.1 to 0.5
7-9	>0.5

*** NOTICE**

Turn the unit's beeps 'On' while checking for leaks.

Where to check for leaks:

- All fittings
- Hoses especially around the crimped fittings
- After setting the blower to Floor Vents – check for leaks at floor vents
 - The A/C condensation drain can also be checked
- Compressor front seal

After the service is completed, check the service ports.

For additional information, contact Snap-On Business Solutions.

Where to Order	Phone	Website
Snap-On Business Solutions	(888) 542-1011	www.KiaSpecialTools.com