80% of the top-10 vehicle models sold in 2019 use R-1234yf

50%+ of all new vehicle models sold also use the new refrigerant

Why are manufacturers using R-1234yf?
Automakers receive CAFE credits for using the new refrigerant. Using R-1234yf helps them meet federal requirements for how far a vehicle must travel on a gallon of fuel.

What do I need to service R-1234yf systems?
- A new machine meeting SAE J2927 and J2843 standards; Robinair’s AC1234-4, AC1234-6 or AC1234-9
- A new leak detector meeting SAE J2913 and J2791 standards; Robinair’s LD3, LD5 or LD7
- A syringe-type oil injector to inject oil back into the system; Robinair’s 18465
- Optional tracer gas leak detector to reduce cost searching for leak; Robinair’s LD9-TG

Why Robinair?
- Robinair created the first commercially available R-1234yf machine in North America to fully meet the SAE’s requirement for R-1234yf recovery, recycling and recharging
- Robinair R-1234yf machines are in more repair shops and dealerships in North America than all other brands combined
- Patented automatic background tank fill ensures you’ll always have enough refrigerant to recharge a vehicle
- New connected machines and accessories for industry-leading connectivity, service and reporting
- Unmatched efficiency means more refrigerant is recovered for more accurate charging

Top-10 vehicle models sold in 2019, United States

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>Uses R-1234yf?</th>
<th>Dealers use Robinair R-1234yf machine?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Ford F-150</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2 Ram trucks</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>3 Chevrolet Silverado</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>4 Toyota Rav-4</td>
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<td>Yes</td>
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<td>5 Honda CR-V</td>
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<td>Yes</td>
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<td>6 Toyota Camry</td>
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<td>7 Nissan Rogue</td>
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<td>Yes</td>
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<tr>
<td>8 Chevrolet Equinox</td>
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<td>Yes</td>
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<tr>
<td>9 Honda Civic</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>10 Toyota Corolla</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Industry-leading efficiency and more accurate service

R-1234yf: What do I need?

A new Leak Detector
Your existing leak detector may not recognize R-1234yf, meaning you may not catch an expensive refrigerant leak. Invest in one that meets SAE J2913 and J2791 standards
▷ LD3 leak detector automatic calibration and audible alerts
▷ LD5 leak detector with bar graph mode and color display
▷ LD7 premium leak detector with bar and pinpoint graphing modes

New Syringe-Type Oil Injectors
1234yf systems have different fittings and couplers, requiring a new syringe-type oil injector to put oil back into the system. Current SAE standards for 1234yf service does not allow automatic oil injection on a machine
▷ 18460 unlabeled 1234yf oil injector
▷ 18465 PAG-labeled 1234yf injector
▷ 18470 POE-labeled 1234yf injector

Optional Tracer Gas Leak Detector
R-1234yf is expensive. Tracer gas is cheap. When looking for leaks in 1234yf systems, tracer gas and a tracer gas detector can help find leaks faster at a significant savings. The 95% nitrogen / 5% hydrogen gas mix will not harm A/C systems and can help find leaks.
▷ LD9-TG tracer gas leak detector
▷ LD9-TGKIT tracer gas leak detector with R-1234yf and R-134a couplers, regulator and hose