



**To:** All Subaru Retailers  
**From:** Subaru of America, Inc. – Service Department  
**Date:** April 20, 2016  
**Re:** *Service Equipment: HFO-1234yf Air Conditioning Refrigerant Equipment Requirements*

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Your SOA DPSM concluded surveys in 2015 to determine the readiness of your facility to perform service and repairs on 2017 Outback and Legacy models equipped with the new HFO-1234yf air conditioning refrigerant. All Subaru Retailers will be required to have the equipment necessary to repair and service these vehicles at the time of Vehicle launch (July, 2016).

If your survey and discussions with your Subaru DSPM indicated you are not properly equipped to service vehicles with this new refrigerant, you are being offered a special opportunity through the Subaru Tool & Equipment Program to purchase the required equipment at a discounted price.

**Due to popular demand, the ordering deadline for this special opportunity has been extended to April 30, 2016**

[Click here](#) program details and the ordering form.

[Click here](#) for a FAQ of the program.

If you have questions, please contact Subaru Service Operations at [serviceoperations@subaru.com](mailto:serviceoperations@subaru.com).

# Refrigerant Equipment Requirements

Refrigerant HFO-1234yf introduction 2017 MY Outback/Legacy. (July 2016)

**Attention: Subaru Service Manager March 2016**

Your SOA DPSM concluded surveys in 2015 to determine the readiness of your facility to perform service and repairs on 2017 Outback and Legacy models equipped with the new HFO-1234yf air conditioning refrigerant. All Subaru Retailers will be required to have the equipment necessary to repair and service these vehicles at the time of vehicle launch (July, 2016).

If your survey and discussions with your Subaru DSPM indicated you are not properly equipped to service vehicles with this new refrigerant, you are being offered a special opportunity through the Subaru Tool & Equipment Program to purchase the required equipment.

Equipment purchased through this program meets all of the specifications for Subaru equipment requirements. Subaru highly recommends the use of the specific equipment listed.

If you choose to take advantage of this special program, you are assured that the equipment you are purchasing will effectively and efficiently service Subaru vehicles.

All orders must be returned to Bosch by April 19, 2016 in order to take advantage of this opportunity. Orders received after this date will not be eligible for this discount.

Please review the attached promotional opportunity for purchase of your HFO-1234yf equipment machine through the Subaru Tool & Equipment Program. **By completing the order list for the required equipment, signing and returning to Bosch at the below fax or email, you are confirming your PO order for this equipment.** Your order will be recorded and deliveries will begin in the June 2016 time frame. This will be conveniently invoiced on your Subaru Accounts Receivable (AR) statement.

Thank you for your cooperation,  
**Bosch Automotive Service Solutions**  
**Subaru Tool & Equipment Program**



**BOSCH**

Return completed forms to one of the following.

Fax: 1-610-363-7161

email: [anna.williams@us.bosch.com](mailto:anna.williams@us.bosch.com)

Shipments will begin mid-June 2016.



**SUBARU**

QUALITY DRIVEN® SERVICE



# HFO-1234yf A/C Servicing

## AC1234-6

### HFO-1234yf Recover, Recycle, Recharge Machine

The Robinair AC1234-6 fully meets SAE's requirement for recovering recycling and recharging vehicle A/C systems that use the new HFO-1234yf refrigerant. The AC1234-6 is a fully automatic ACS service machine that comes with an integrated refrigerant identifier that samples the refrigerant in the vehicle's A/C system prior to recovery, is a highly accurate and reliable machine, and can service both standard and hybrid vehicle A/C systems.

#### Features:

- Fully automatic operation. Program for service, walk away and return when complete.
- 95% Recovery efficiency.
- Programmable vacuum operation helps get to the necessary vacuum level in any condition quickly.
- System leak test to identify gross leaks in a system.
- Charge accuracy within  $\pm 1/2$  oz.
- Automatic oil drain shows how much oil was removed from the system during service.
- Automatic air purge removes the potential of air accumulating in the internal tank.
- Integrated refrigerant identifier (meets SAE J2927).
- Automatic internal tank refill. No stopping to fill the internal tank during service or before service.
- 1/4 Color VGA display. Large easy to read graphical display.
- On-board printer capable of printing vehicle service report slips to present to customers.

#### Specifications:

- Operating voltage: 103 – 127 Volt 60 Hz AC
- 100 mm EN837-1 pressure gauges
- Alpha-numeric keypad with service function keys
- 1.5 c.f.m. dual stage vacuum pump
- 1/3 hp hermetic compressor
- 22 lb. ASME internal storage tank
- USB SD and RJ45 I/O ports
- 8' SAE J2888 service hoses with HFO-1234yf high- and low-side system couplers
- Meets all requirements of SAE J2843
- Dimensions: 36" x 24" x 48.5"
- Weight: 230 lbs.

## 18460 - HFO-1234yf Oil Injector

**Promo Price: \$125.00** Retailer Price \$160.00

Meets Requirement



## AC1234-6

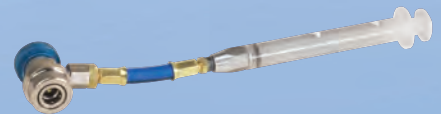
Retailer Price \$6,264.00

**Promo Price \$5,645.00**

**SAVE  
\$620.00**

Freight will be prepaid and added for all items.

Meets Requirement



18460



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Shipments will begin mid-June 2016.



QUALITY DRIVEN® SERVICE

# HFO-1234yf Service Items

Meets Requirement



25700

Promo Price \$875

Retailer Price \$996

25700

## Contaminated Refrigerant Recovery Machine

The Robinair 25700 is a contaminated recovery only device that is designed to remove contaminated refrigerant from vehicles that are equipped with HFO-1234yf A/C systems.

### Features:

- Durable, compact, portable design allows user to recover contaminated refrigerant easily at the vehicle.
- Low side hose with HFO-1234yf coupler and black recovery hose included.
- 80% tank full shut off safety harness prevents overfilling recovery tank.
- Proprietary oil-less compressor is capable of handling both liquid and vapor refrigerant.
- Self-purge function effectively removes any remaining refrigerant from the machine.
- A high pressure shut-off switch turns the machine off automatically if the pressure rises above 435 p.s.i. to protect the equipment.
- Inlet filter screen stops debris from getting inside of the machine.



22791

Promo Price \$330

Retailer Price \$380

22791

## HFO-134a & HFO-1234yf Infrared Leak Detector

Find Leaks Faster! Eliminate countless hours searching for hard to find leaks.

Capable of working on both HFO-134a & HFO-1234yf A/C systems.

### Features:

- Advanced infrared sensor designed to last a minimum of 10 years.
- Three sensitivity levels down to 0.15 oz./year.
- Automatically recalibrates in highly contaminated areas.
- Won't trigger on oil or moisture.
- Senses CFC, HFC, HCFC blends and HFO-1234yf refrigerants.
- 8-hour lithium ion battery lasts all day long and beyond.
- Visual alert and peak button make it easy to find leaks in noisy environments.
- Audible alert with mute button.
- Magnetic hanger to easily hang the unit during leak repairs.
- Durable carrying case to store leak detector and accessories.
- Meets SAE J2913 standard for HFO-1234yf and previous J2791 standard for HFO-134a.

17499 Dust Cover  
Promo  
Price: \$70

Retailer Price: \$97



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**SUBARU**

QUALITY DRIVEN® SERVICE

# Order Form

email: [anna.williams@us.bosch.com](mailto:anna.williams@us.bosch.com) • Fax: 1-610-363-7161

RETAILER FACILITY CODE:		DATE:
RETAIL SERVICE FACILITY CONTACT & PHONE NUMBER:		
SOLD TO:		
NAME:		
ATTN:		
STREET ADDRESS:		
CITY/STATE/PROVINCE:		ZIP/POSTAL:
TEL. NO.:		FAX NO.:
SHIP TO:		
NAME:		
ATTN:		
STREET ADDRESS:		
CITY/STATE/PROVINCE:		ZIP/POSTAL:
TEL. NO.:		

Item	Part #	Item for Individual Purchase – Description	Qty.	Promo Price	Total
1	AC1234-6	HFO-1234yf Recover, Recycle, Recharge Machine - Required		\$5,645	
2	18460	HFO-1234yf Oil Injector - Required		\$125	
3	25700	Contaminated Refrigerant Recovery Machine - Required		\$875	
4	22791	HFO-134a & HFO-1234yf Infrared Leak Detector - Optional		\$330	
5	17499	Dust Cover - Optional		\$70	

Subtotal	
Freight*	
Taxes*	
<b>TOTAL</b>	

Authorized Retailer (please print): \_\_\_\_\_

Authorized Retailer Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Authorized Retailer Equipment Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**ALL SALES ARE F.O.B. SHIPPING POINT.** By signing, above Retailer accepts all terms and conditions of sale, which are contained within the Subaru Tool & Equipment Program.

\* Freight and Taxes will be calculated and added to Subaru Accounts Receivable (AR) Statement



Return completed forms to one of the following. Shipments will begin mid-June 2016.  
 Fax: 1-610-363-7161  
 email: [anna.williams@us.bosch.com](mailto:anna.williams@us.bosch.com)



QUALITY DRIVEN® SERVICE

# HFO-1234yf Equipment FAQ

1. What is HFO-1234yf Automotive Refrigerant?  
Commonly referred to as R1234 or R1234yf.  
It is being introduced into the market to comply with upcoming Green House Gas regulations.
2. When will this be introduced?  
2017 Outback and Legacy models will be the first Subaru models to be equipped with the new HFO-1234yf air conditioning refrigerant.
3. Is this refrigerant unique to Subaru?  
This new refrigerant has already been implemented by several other OEMs both in the U.S. and Europe.
4. What equipment is required by Subaru to service this new refrigerant?  
HFO-1234yf Recover, Recycle, Recharge Machine  
HFO-1234yf Oil Injector  
Contaminated Refrigerant Recovery Machine
5. Is this equipment mandatory?  
All Subaru Retailers will be required to have the equipment necessary to repair and service HFO-1234yf equipped vehicles at the time of vehicle launch (July, 2016).
6. Do I really need the manual Oil Injector that is listed as mandatory?  
Yes, Recovery/Recycle/Recharge machines for older refrigerant types had integrated oil injection systems that would add oil during the recharge cycle. For HFO-1234yf, SAE has determined that automatic oiling systems will likely cause oil contamination due to the many different types of oil used depending on the type of the vehicle (Gas, Hybrid, EV, etc.). Therefore, it is necessary to have the technician manually inject the proper amount and type of oil for the application.
7. Is it a requirement to order through this program?  
Subaru highly recommends the use of the specific equipment listed to meet the requirements. However, if a retailer finds a suitable substitute, it will be acceptable if it conforms to the relevant SAE standards.
8. Why order equipment through this program?  
Equipment purchased through this program meets the specification for Subaru equipment requirements. Purchase will be conveniently invoiced on the retailer's Subaru Accounts Receivable (AR) statement. Discounted pricing.

9. How do I place my order?

Complete the order list posted on Subarunet, sign and return to Bosch via fax or email.

10. When do I need to place my order?

All orders must be submitted by April 19, 2016. Every retailer is required to have qualifying equipment to service Subaru vehicles. Orders received after this date will not qualify for discounted pricing through this one time offer.

11. How will the order be billed?

The order will be billed through the Subaru Accounts Receivable (AR) statement. Freight and sales tax will be calculated and added to the total.

12. When will I receive the equipment I ordered?

Equipment will begin arriving at all Subaru Retailers in June 2016.

13. How do I know if the equipment I already have meets the requirements?

A survey was completed by your DPSM to determine if your shop met the requirements. Many retailers responded that they had the proper equipment when in fact, they were reporting older R-134a recovery equipment. Those responses were removed from the survey. A list of retailers that already qualify (according to their survey responses) has been provided to your DPSM. Consult with your DPSM to confirm that your shop met the requirements or confirm that your equipment is one of the models listed below.

14. What equipment qualifies?

The following equipment meets Subaru and SAE requirements for:

Recovery/Recycle/Recharge Equipment -

Robinair AC1234-6 (or OEM equivalent)  
Robinair AC1234-7 (or -8) Ford equipment  
Robinair GE-50300 GM equivalent  
Robinair 10500 Mopar equivalent  
Robinair ROB421234 Honda equivalent  
Mahle ACX1280M  
Mahle RHS1280  
Flo-dynamics FFX1234  
CPS FX1234

Contaminated Refrigerant Recovery Equipment -

Robinair 25700  
Robinair GE-25700 (GM)

15. Which retailers met the requirement according to the completed survey?

Your facing DPSM has a list of retailers that met requirements according to the HFO-1234yf survey conducted previously. Please consult with them to confirm your shop's compliance.