



Volvo Car Customer Service

Title	AC pressure, check	Page	1 (8)
Action		Operation number:	

Special tools

Description	Part No.
Gauge manifold R134a	981 4092
Gauge manifold R1234yf	981 4236

Safety information

Caution! Make sure to check which coolant is present in the A/C system.

Warning! Wear safety goggles and protective gloves.

Note! Always follow the manufacturer's instructions when handling the equipment.

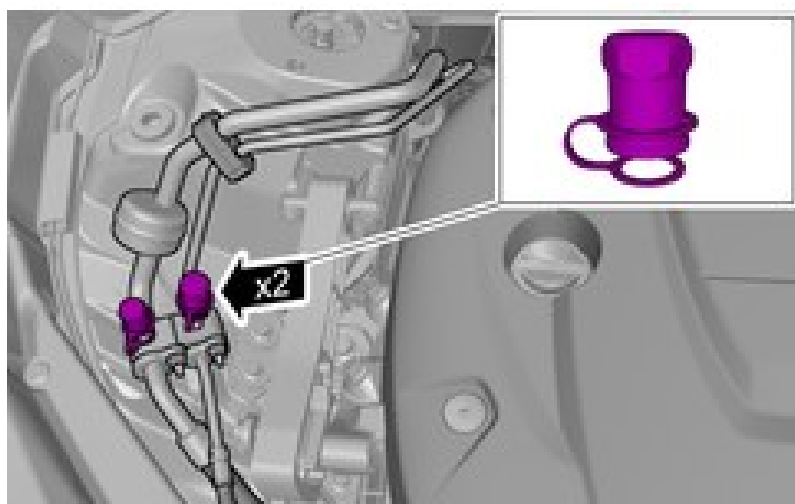
See information about refrigerant , refer to:
General Safety Information
8 - Body and interior
87 - Climate units
870 - general

See information about air conditioning system , refer to:
General Safety Information
8 - Body and interior
87 - Climate units
870 - general

See information about the A/C-system , refer to:
General Information
8 - Body and interior
87 - Climate units
874 - cooling unit

Preparation

Open the hood.



Remove the marked part.

1. **Torque:** 2016 XC90 (16-), 2017 S90 (17-), 2017 V90 (17-), 2017 V90 Cross Country, 2017 XC90 (16-), 2017 S90L, 2018 XC60 (18-), 2018 XC90 (16-), 2018 S90 (17-), 2018 V90 (17-), 2018 V90 Cross Country, 2018 S90L, 2019 XC60 (18-), 2019 V90 Cross Country, 2019 S90L, 2019 S90 (17-), 2019 XC90 (16-), 2019 V90 (17-), 2019 S60 (19-), 2019 V60 (19-), 2019 V60 Cross Country (19-), 2020 V60 (19-), 2020 S90 (17-), 2020 S90L, 2020 S60 (19-), 2020 V60 Cross Country (19-), 2020 V90 (17-), 2020 V90 Cross Country, 2020 XC60 (18-), 2020 XC90 (16-)

Valve cap (grey), to Service valve , 3 Nm

Torque: 2020 Polestar 1

Valve cap (grey), to Service valve , 3 Nm

Torque: 2017 S60 (11-18), 2017 S60 Cross Country, 2017 S60L, 2017 V60 (-18), 2017 V60 Cross Country (-18), 2017 XC60 (-17), 2018 S60 (11-18), 2018 S60 Cross Country, 2018 S60L, 2018 V60 (-18), 2018 V60 Cross Country (-18), 2019 S60L, 2020 S60L

Valve cap (grey), to Service valve , 3 Nm

Torque: 2017 V40 (13-), 2017 V40 Cross Country, 2018 V40 (13-), 2018 V40 Cross Country, 2019 V40 Cross Country, 2019 V40 (13-)

Valve cap (grey), to Service valve , 3 Nm

2. **Torque:** 2016 XC90 (16-), 2017 S90 (17-), 2017 V90 (17-), 2017 V90 Cross Country, 2017 XC90 (16-), 2017 S90L, 2018 XC60 (18-), 2018 XC90 (16-), 2018 S90 (17-), 2018 V90 (17-), 2018 V90 Cross Country, 2018 S90L, 2019 XC60 (18-), 2019 V90 Cross Country, 2019 S90L, 2019 S90 (17-), 2019 XC90 (16-), 2019 V90 (17-), 2019 S60 (19-), 2019 V60 (19-), 2019 V60 Cross Country (19-), 2020 V60 (19-), 2020 S90 (17-), 2020 S90L, 2020 S60 (19-), 2020 V60 Cross Country (19-), 2020 V90 (17-), 2020 V90 Cross Country, 2020 XC60 (18-), 2020 XC90 (16-)

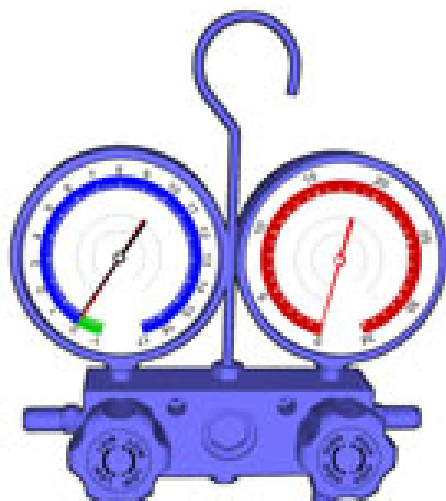
Valve cap (black), to Service valve , 6 Nm

Torque: 2017 S60 (11-18), 2017 S60 Cross Country, 2017 S60L, 2017 V60 (-18), 2017 V60 Cross Country (-18), 2017 XC60 (-17), 2018 S60 (11-18), 2018 S60 Cross Country, 2018 S60L, 2018 V60 (-18), 2018 V60 Cross Country (-18), 2019 S60L, 2020 S60L

Valve cap (black), to Service valve

Connecting

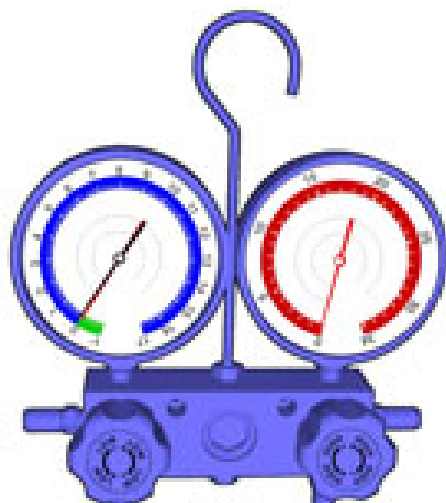
Vehicles with refrigerant type R134a



Caution! Never mix different types of refrigerant or equipment intended for them.

Special Tool: T9814092, Gauge manifold R134a

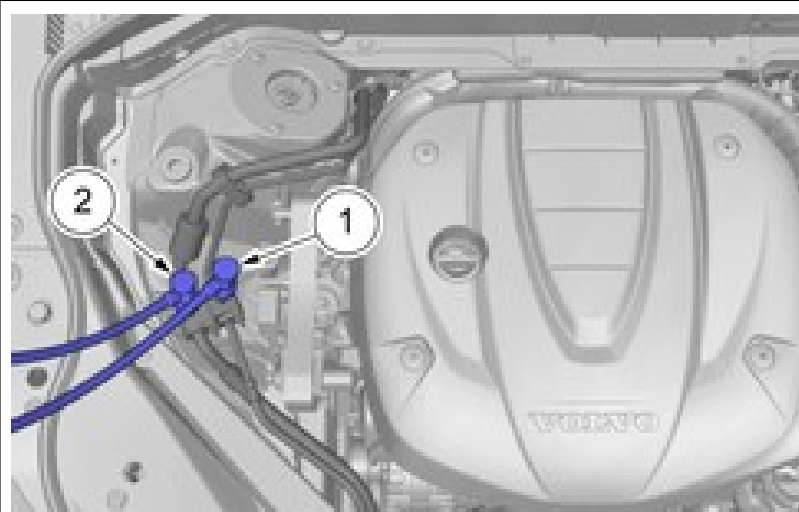
Vehicles with refrigerant type R123yf



Caution! Never mix different types of refrigerant or equipment intended for them.

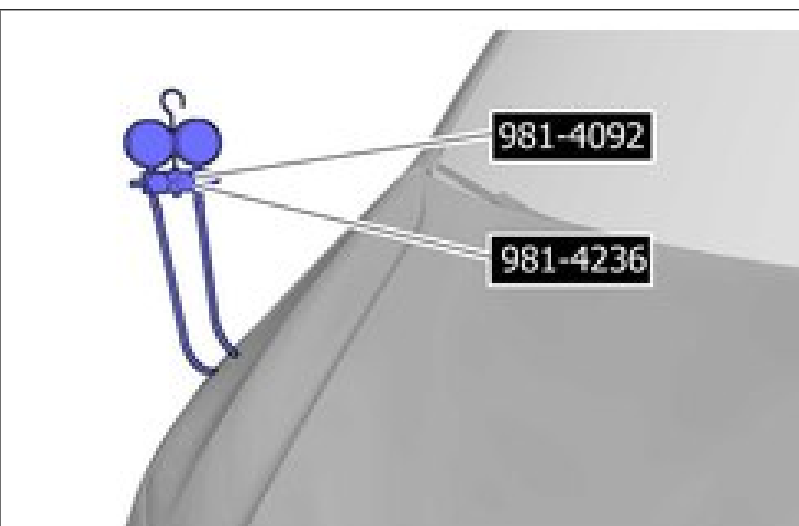
Special Tool: T9814236, Gauge manifold R1234yf

All vehicles



Install the hoses.

- 1 . Service valve high pressure
- 2 . service valve low pressure



Caution! Close the hood carefully so as not to damage the hoses.

Special Tool: T9814092, Gauge manifold R134a

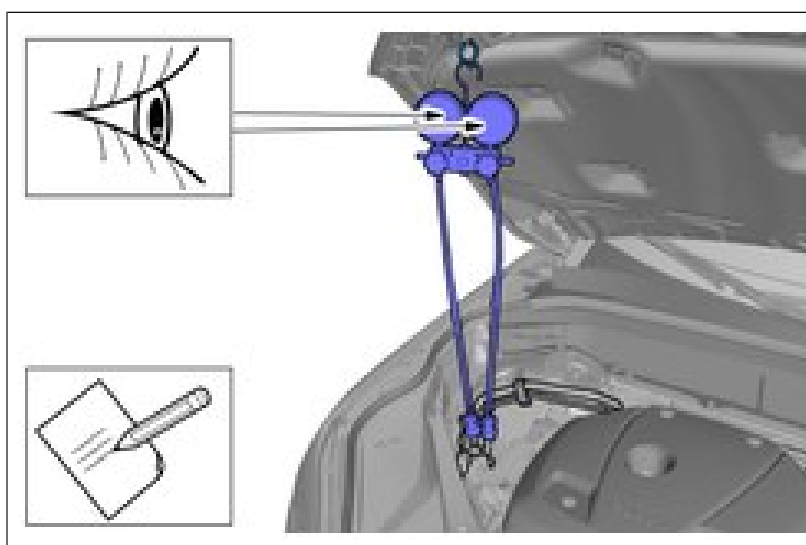
Special Tool: T9814236, Gauge manifold R1234yf

Activation



- 1 . Start the engine.
- 2 . Temperature = 20 °C driver/passenger
- 3 . Auto mode = Auto 3
- 4 . Close all doors and windows.
- 5 . Close the tailgate
- 6 . Let the system stabilize.

Check

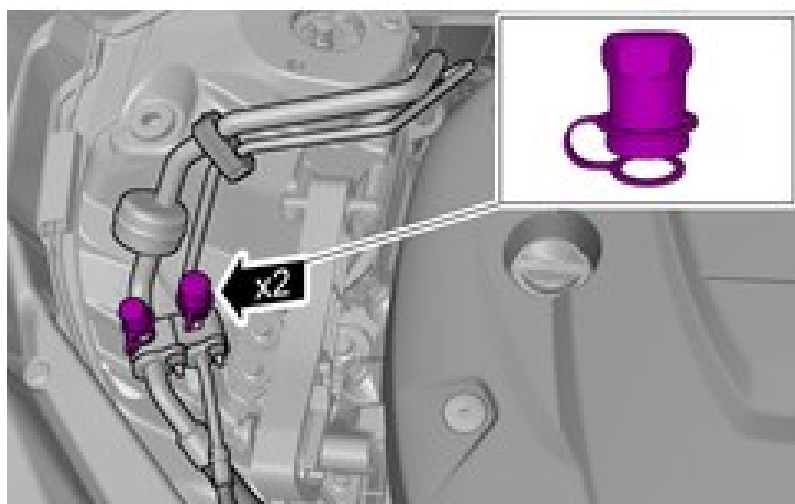


- 1 . Open the hood.
- 2 . Check the value.
- 3 . Note the value.

See information about A/C pressure , refer to:
 Specifications, mechanical
 8 - Body and interior
 87 - Climate units
 870 - general

Installation

Remove the Special Tool.



Install the marked component.

1. **Torque:** 2017 V40 (13-), 2017 V40 Cross Country, 2018 V40 (13-), 2018 V40 Cross Country, 2019 V40 Cross Country, 2019 V40 (13-)

Valve cap (grey), to Service valve , 3 Nm

Torque: 2017 S60 (11-18), 2017 S60 Cross Country, 2017 S60L, 2017 V60 (-18), 2017 V60 Cross Country (-18), 2017 XC60 (-17), 2018 S60 (11-18), 2018 S60 Cross Country, 2018 S60L, 2018 V60 (-18), 2018 V60 Cross Country (-18), 2019 S60L, 2020 S60L

Valve cap (grey), to Service valve , 3 Nm

Torque: 2016 XC90 (16-), 2017 S90 (17-), 2017 V90 (17-), 2017 V90 Cross Country, 2017 XC90 (16-), 2017 S90L, 2018 XC60 (18-), 2018 XC90 (16-), 2018 S90 (17-), 2018 V90 (17-), 2018 V90 Cross Country, 2018 S90L, 2019 XC60 (18-), 2019 V90 Cross Country, 2019 S90L, 2019 S90 (17-), 2019 XC90 (16-), 2019 V90 (17-), 2019 S60 (19-), 2019 V60 (19-), 2019 V60 Cross Country (19-), 2020 V60 (19-), 2020 S90 (17-), 2020 S90L, 2020 S60 (19-), 2020 V60 Cross Country (19-), 2020 V90 (17-), 2020 V90 Cross Country, 2020 XC60 (18-), 2020 XC90 (16-)

Valve cap (grey), to Service valve , 3 Nm

Torque: 2020 Polestar 1

Valve cap (grey), to Service valve , 3 Nm

2. **Torque:** 2017 V40 (13-), 2017 V40 Cross Country, 2018 V40 (13-), 2018 V40 Cross Country, 2019 V40 Cross Country, 2019 V40 (13-)

Valve cap (black), to Service valve , 6 Nm

Torque: 2020 Polestar 1

Valve cap (black), to Service valve , 6 Nm

Torque: 2017 S60 (11-18), 2017 S60 Cross Country, 2017 S60L, 2017 V60 (-18), 2017 V60 Cross Country (-18), 2017 XC60 (-17), 2018 S60 (11-18), 2018 S60 Cross Country, 2018 S60L, 2018 V60 (-18), 2018 V60 Cross Country (-18), 2019 S60L, 2020 S60L

Valve cap (black), to Service valve , 6 Nm

Torque: 2016 XC90 (16-), 2017 S90 (17-), 2017 V90 (17-), 2017 V90 Cross Country, 2017 XC90 (16-), 2017 S90L, 2018 XC60 (18-), 2018 XC90 (16-), 2018 S90 (17-), 2018 V90 (17-), 2018 V90 Cross Country, 2019 S90L, 2019 S90 (17-), 2019 XC90 (16-), 2019 V90 (17-), 2019 V90 Cross Country, 2020 S90L, 2020 S90 (17-), 2020 XC90 (16-), 2020 V90 (17-), 2020 V90 Cross Country, 2020 XC60 (18-), 2020 XC90 (16-)

Reset the vehicle settings after completed test or work.