

REPLACEMENT

1. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM

- (a) Start up the engine.
- (b) Turn the A/C switch to ON.
- (c) Operate the cooler compressor with an engine speed of approximately 1,000 rpm for 5 to 6 minutes to circulate the refrigerant and collect the compressor oil remaining in each component into the cooler compressor.
- (d) Stop the engine.
- (e) Using SST, let the refrigerant gas out.

SST 07110-58060 (07117-58080, 07117-58090, 07117-78050, 07117-88060, 07117-88070, 07117-88080)

2. CHARGE REFRIGERANT

- (a) Perform vacuum purging using a vacuum pump.
- (b) Charge refrigerant HFC-134a (R134a).

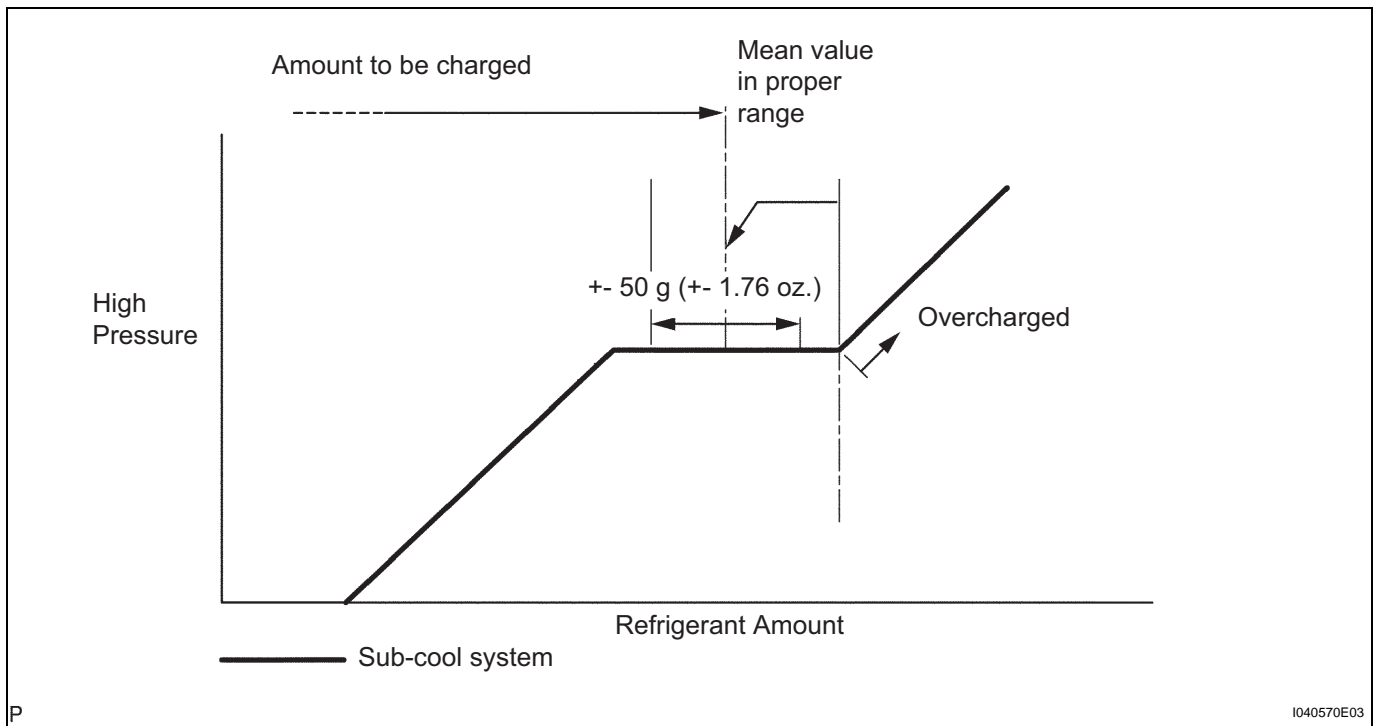
Standard:

570 to 630 g (20.10 to 22.22 oz.)

SST 07110-58060 (07117-58060, 07117-58070, 07117-58080, 07117-58090, 07117-78050, 07117-88060, 07117-88070, 07117-88080)

NOTICE:

Do not start the engine before charging it with refrigerant as the cooler compressor does not work properly without any refrigerant. This could cause the compressor to overheat.



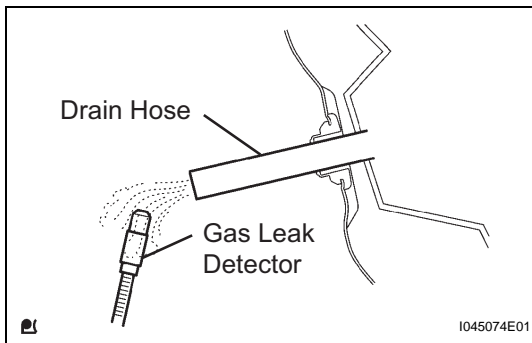
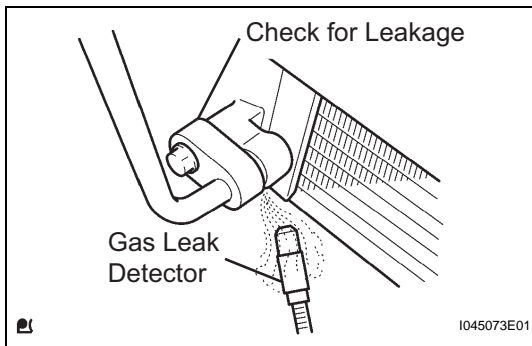
3. WARM UP ENGINE

NOTICE:

Warm up the engine at less than 2,000 rpm for 2 minutes or more after charging it with refrigerant.

4. CHECK FOR REFRIGERANT LEAKAGE

- (a) After recharging the refrigerant gas, check for refrigerant gas leakage using a halogen leak detector.
- (b) Perform the operation under these conditions:
 - Stop the engine.
 - Secure good ventilation (the gas leak detector may react to volatile gases other than refrigerant, such as evaporated gasoline or exhaust gas).
 - Repeat the test 2 or 3 times.
 - Make sure that some refrigerant remains in the refrigeration system.
When compressor is off: approximately 392 to 588 kPa (4 to 6 kgf/cm², 57 to 85 psi)
- (c) Using a gas leak detector, check the refrigerant line for leakage.



- (d) Bring the gas leak detector close to the drain hose with the detector power off.

HINT:

 - After the blower motor has stopped, leave the cooling unit for more than 15 minutes.
 - Place the gas leak detector sensor under the drain hose.
 - When bringing the gas leak detector close to the drain hose, make sure that the gas leak detector does not react to the volatile gases.

If such reaction is unavoidable, the vehicle must be lifted up.
- (e) If a gas leak is not detected from the drain hose, remove the blower motor control from the cooling unit. Insert the gas leak detector sensor into the unit and perform the test.
- (f) Disconnect the pressure switch connector and leave it for approximately 20 minutes. Bring the gas leak detector close to the pressure switch and perform the test.