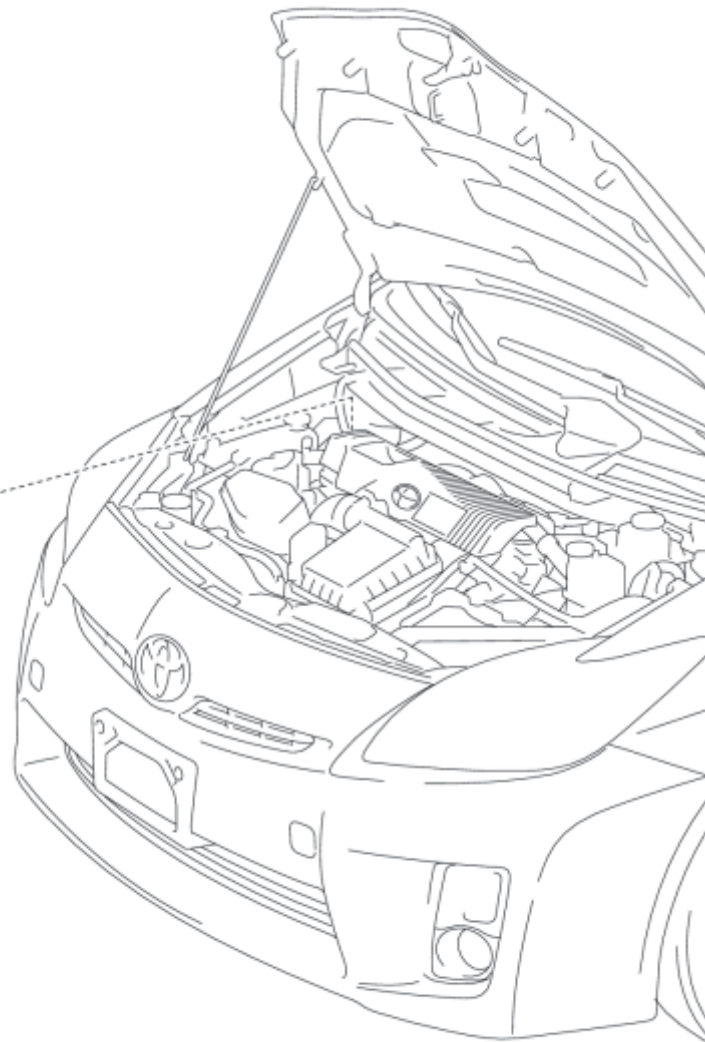


● AIR CONDITIONING PRESSURE SENSOR

11 (110, 8)



**N\*m (kgf\*cm, ft.\*lbf)**: Specified torque

● Non-reusable part

← Compressor oil ND-OIL 11 or equivalent

P

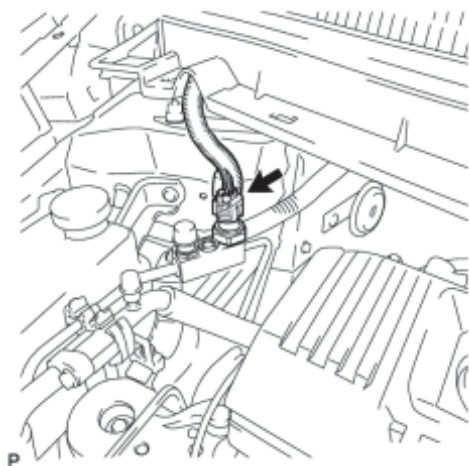
# REMOVAL

1. RECOVER REFRIGERANT FROM REFRIGERATION SYSTEM\_ INFO
2. REMOVE REAR NO. 2 FLOOR BOARD (for Separate Type)\_ INFO
3. REMOVE REAR DECK FLOOR BOX\_ INFO
4. REMOVE REAR NO. 3 FLOOR BOARD\_ INFO
5. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

## NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected INFO.

6. REMOVE AIR CONDITIONING PRESSURE SENSOR



(a) Disconnect the connector.

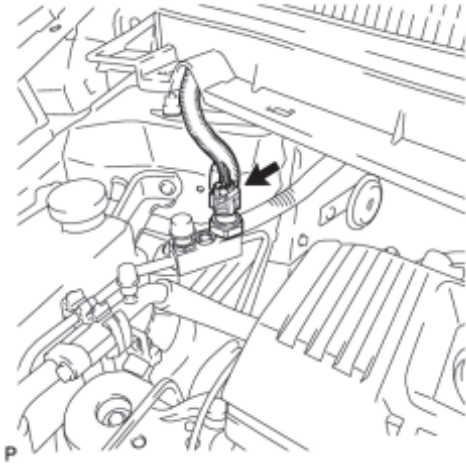
(b) Remove the air conditioning pressure sensor.

## NOTICE:

Do not deform the piping.

# INSTALLATION

## 1. INSTALL AIR CONDITIONING PRESSURE SENSOR



(a) Sufficiently apply compressor oil to a new air conditioning pressure sensor.

Compressor oil:

ND-OIL 11 or equivalent

- Keep the O-ring and O-ring fitting surfaces clean from dirt or any foreign objects.
- Do not use any compressor oil other than ND-OIL 11 or equivalent. If any compressor oil other than ND-OIL 11 or equivalent is used, compressor motor insulation performance may decrease, resulting in a leakage of electric power.

(b) Install the new air conditioning pressure sensor.

Torque: **11 N·m (110 kgf·cm, 8ft·lbf)**

NOTICE:

- Do not deform the piping.
- Make sure to confirm that the piping does not disengage from the plastic clamp.

(c) Connect the connector.

## 2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTICE:

When disconnecting the cable, some systems need to be initialized after the cable is reconnected INFO.

3. INSTALL REAR NO. 3 FLOOR BOARD INFO

4. INSTALL REAR DECK FLOOR BOX INFO

5. INSTALL REAR NO. 2 FLOOR BOARD (for Separate Type) INFO

6. CHARGE WITH REFRIGERANT INFO

7. WARM UP COMPRESSOR INFO

8. INSPECT FOR REFRIGERANT LEAK INFO

# PRECAUTION

## 1. PRECAUTION FOR DISCONNECTING CABLE FROM NEGATIVE BATTERY TERMINAL

### NOTICE:

When disconnecting the cable from the negative (-) battery terminal, initialize the following system after the terminal is reconnected.

System Name	See Procedure
Advanced Parking Guidance System	<a href="#">INFO</a>

## 2. GENERAL PRECAUTION

(a) While using the battery during inspection, do not bring the positive (+) and negative (-) tester probes too close to each other as a short circuit may occur.

## 3. PRECAUTIONS WHEN USING TECHSTREAM

(a) When using the Techstream with the power switch off to troubleshoot:

Connect the Techstream to the vehicle, and turn a courtesy light switch on and off at 1.5-second intervals until communication between the Techstream and vehicle begins.

(b) After all DTCs are cleared, check if the trouble occurs again 6 seconds after the power switch is turned on (IG).

## 4. DO NOT HANDLE REFRIGERANT IN ENCLOSED AREA OR NEAR OPEN FLAME



### Text in Illustration

*1	Charging Cylinder
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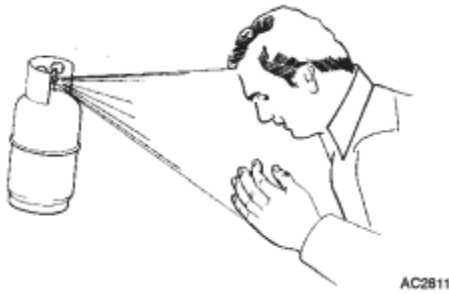
## 5. ALWAYS WEAR EYE PROTECTION

## 6. BE CAREFUL NOT TO GET LIQUID REFRIGERANT IN YOUR EYES OR ON YOUR SKIN

If liquid refrigerant gets in your eyes or on your skin:

(a) Wash the area with lots of cold water.

### CAUTION:



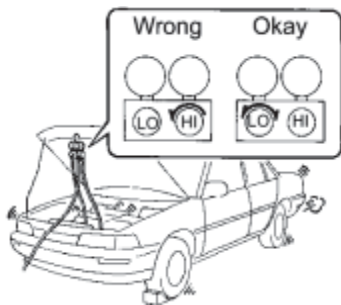
Do not rub your eyes or skin.

(b) Apply clean petroleum jelly to the skin.

(c) Go immediately to a hospital or see a physician for professional treatment.

7. NEVER HEAT CONTAINER OR EXPOSE THE CONTAINER TO AN OPEN FLAME

8. BE CAREFUL NOT TO DROP CONTAINER OR APPLY PHYSICAL SHOCKS TO IT



9. DO NOT OPERATE COMPRESSOR WITHOUT ENOUGH REFRIGERANT IN AIR CONDITIONING SYSTEM

If there is not enough refrigerant in the A/C system, oil lubrication will be insufficient and the compressor may be damaged.

Necessary care should be taken to avoid this.

10. DO NOT OPEN HIGH PRESSURE MANIFOLD VALVE WHILE COMPRESSOR IS OPERATING

(a) Open and close only the low pressure valve.

If the high pressure valve is opened, refrigerant flows in the reverse direction causing the charging cylinder to rupture.

11. BE CAREFUL NOT TO OVERCHARGE SYSTEM WITH REFRIGERANT

If refrigerant is overcharged, it causes problems such as insufficient cooling, poor fuel economy, engine overheating, etc.

12. DO NOT OPERATE COMPRESSOR WITHOUT REFRIGERANT

CAUTION:

Doing so may damage inside the compressor because the compressor parts always move regardless of whether the A/C system is turned on or off.

13. PRECAUTIONS TO BE OBSERVED WHILE SERVICING

CAUTION:

Always use electric insulating gloves and remove the service plug grip before beginning inspection, as inspection of the A/C system requires disconnecting high voltage connectors.

## NOTICE:

- Only use ND-OIL11 for the electric inverter compressor of the air conditioning system. Using other compressor oils may be dangerous, as they may conduct electricity.
- Electrical insulation performance may decrease significantly if even a small amount of oil other than ND-OIL11 is used (or enters) in the refrigeration cycle, causing a DTC to be output.
- If other oil is accidentally used and a DTC is output, collect the compressor oil in the compressor and replace it with ND-OIL11 to increase the ND-OIL11 ratio amount.
- Replace the main components (evaporator, condenser, and compressor) if a large amount of oil other than ND-OIL11 enters the system. Failing to do so may cause electrical insulation performance to remain low, causing a DTC to be output.

## 14. SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

(a) This vehicle is equipped with an Supplemental Restraint System (SRS) such as the driver, front passenger, side and curtain shield airbags. Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to a serious accident. Before servicing (including removal or installation of parts, inspection or replacement), be sure to read the precautionary notices

INFO

## 15. PRECAUTIONS WHEN WORKING (w/ Remote Air Conditioning System and Solar Ventilation System)

(a) Vehicles with the remote air conditioning system have the following risks that it is necessary to be aware of when performing repairs. Therefore, make sure to take care of the key (electrical transmitter) carefully so that the remote air conditioning system is not operated unexpectedly.

### *Risks*

The electrical fan and other items in the engine compartment may operate resulting in various hazards.

The wipers may operate if the wiper switch is in the on position when the remote air conditioning system is activated. If this occurs, there is the potential for damage to the glass, wipers or injury.

When the light control switch is in the tail, head or AUTO position, the headlights may turn on.

Short circuits may occur if electrical inspections are being performed when the remote air conditioning system is turned on, because the IG circuit is powered at this time.

## CAUTION:

Failure to take proper care with the key (electrical transmitter) may cause the system to be accidentally operated. This can lead to an accident and damage to parts or a serious injury.

## HINT:

Make sure to store the key (electrical transmitter) in a box with the switch side facing up, and place the box where it can be monitored so that no one cannot operate the remote A/C switch.

(b) When performing repairs on vehicles with the solar ventilation system, turn the solar ventilation switch off.

## CAUTION:

Depending on the environment around the vehicle, performing repairs with the solar ventilation switch on may cause the blower motor to operate unexpectedly, resulting in various hazards. This can lead to damage to parts or a serious injury.