

## INSTALLATION

### 1. GS430:

#### INSTALL COMPRESSOR

- (a) Install the compressor with the 2 bolts temporarily.
- (b) Install the compressor stay with the bolt and nut temporarily.
- (c) Tighten the nut and 3 bolts.

#### Torque:

**Bolt: 49 N·m (500 kgf·cm, 36 ft·lbf)**

**Nut: 29 N·m (300 kgf·cm, 22 ft·lbf)**

- (d) Connect the connector.

### 2. GS300:

#### INSTALL COMPRESSOR

- (a) Install the compressor with the stud bolt.

**Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**

- (b) Install the 3 bolts and nut.

#### Torque:

**Bolt: 52 N·m (530 kgf·cm, 38 ft·lbf)**

**Nut: 26 N·m (265 kgf·cm, 19 ft·lbf)**

- (c) Connect the connector.
- (d) Install the compressor bracket with the 2 bolts.

**Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**

- (e) Install the PS pump bracket with the 2 bolts.

**Torque: 52 N·m (530 kgf·cm, 38 ft·lbf)**

### 3. GS300:

#### INSTALL 2 PS PUMP SET BOLTS

**Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)**

### 4. GS300:

#### CONNECT DISCHARGE AND SUCTION HOSES

Connect the both hoses with the 2 nut.

**Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)**

#### NOTICE:

**Hose should be connected immediately after the caps have been removed.**

#### HINT:

Lubricate 2 new O-rings with compressor oil and install them to the hoses.

### 5. GS430:

#### CONNECT DISCHARGE HOSE

Connect the discharge hose with the nut.

**Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)**

#### NOTICE:

**Hose should be connected immediately after the cap have been removed.**

#### HINT:

Lubricate a new O-ring with compressor oil and install them to the hose.

**6. GS430:****INSTALL SUCTION HOSE**

Install the suction hose with the bolt and nut.

**Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)**

**NOTICE:**

**Hose should be connected immediately after the caps have been removed.**

**HINT:**

Lubricate 2 new O-rings with compressor oil and install them to the hose.

**7. INSTALL DRIVE BELT**

(See page [AC-16](#))

**8. INSPECT DRIVE BELT TENSION**

(See page [AC-14](#))

**9. INSTALL ENGINE UNDER COVER****10. CONNECT NEGATIVE (–) TERMINAL CABLE TO BATTERY****11. EVACUATE AIR FROM REFRIGERATION SYSTEM AND CHARGE SYSTEM WITH REFRIGERANT**

**Specified amount: 600 ± 50 g (21.16 ± 1.76 oz.)**

**12. INSPECT FOR LEAKAGE OF REFRIGERANT**

Using a gas leak detector, check for leakage of refrigerant.

If there is leakage, check the tightening torque at the joints.

**13. INSPECT A/C OPERATION**