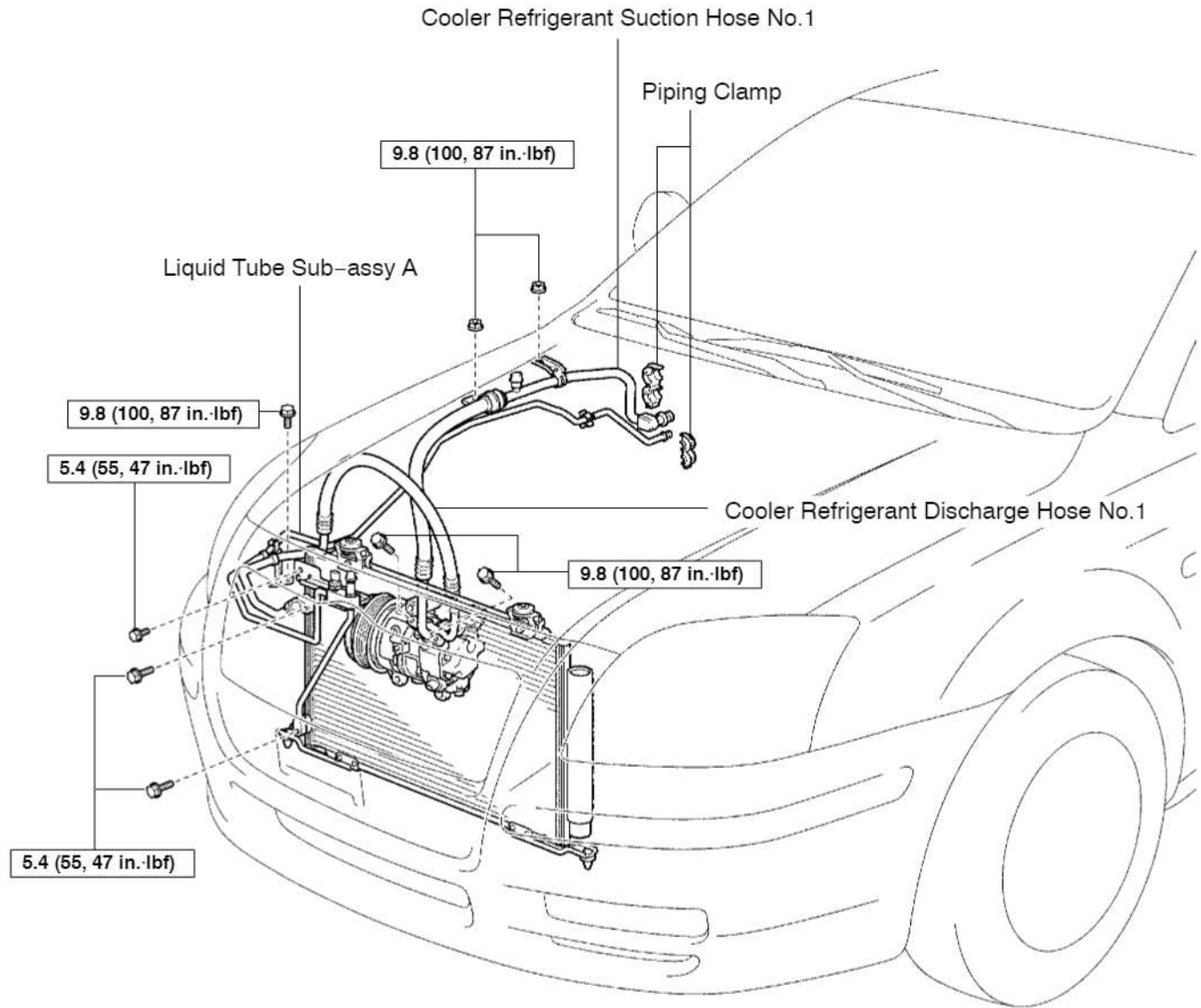


REFRIGERANT LINE (2AZ-FSE)

COMPONENTS

551AL-01

LHD:

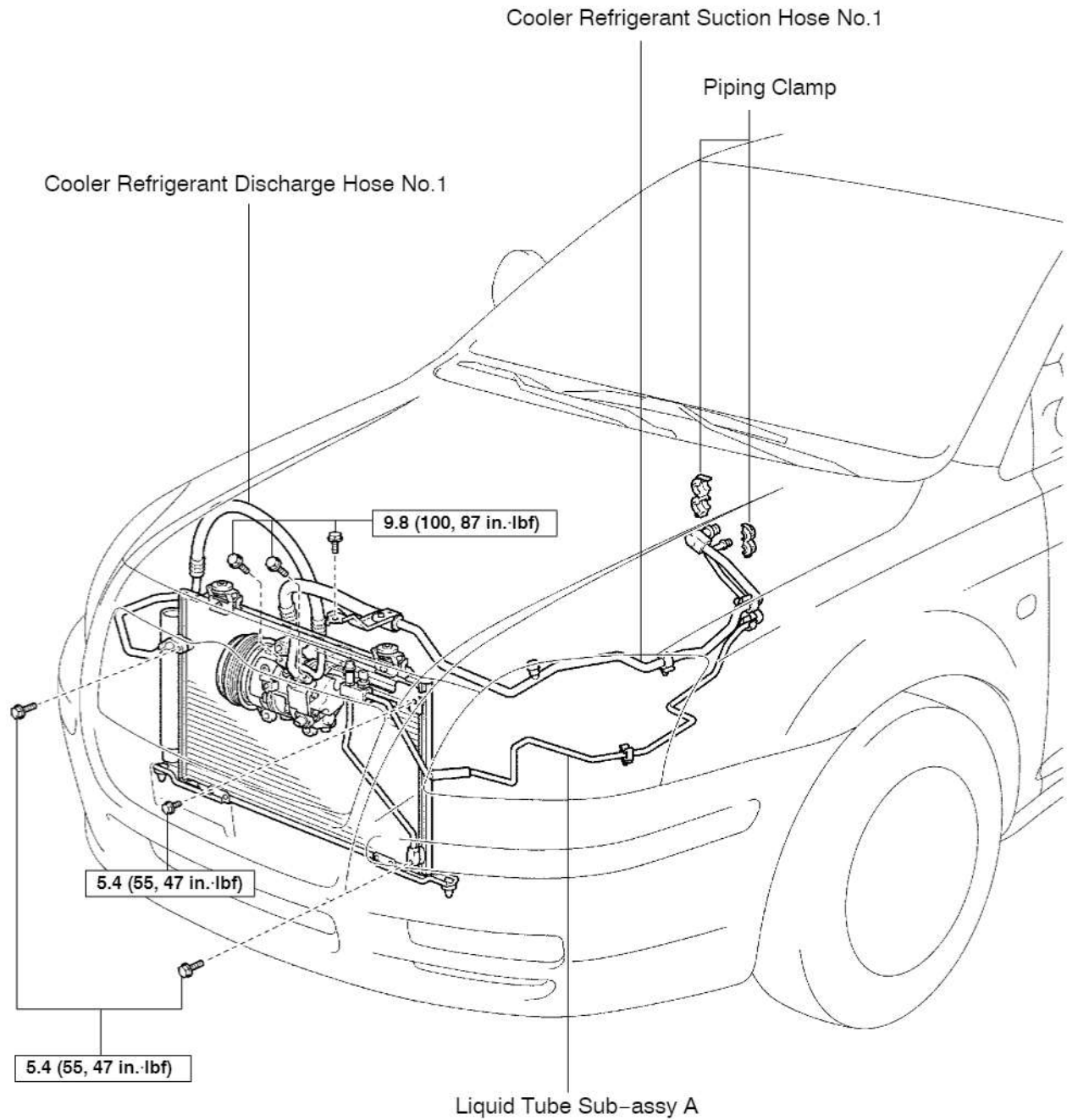


I34977

N·m (kgf·cm, ft·lbf) : Specified torque

I38799

RHD:



N·m (kgf·cm, ft·lbf) : Specified torque

P

I34978

W/PULLEY COMPRESSOR ASSY (2AZ-FSE)

551AM-01

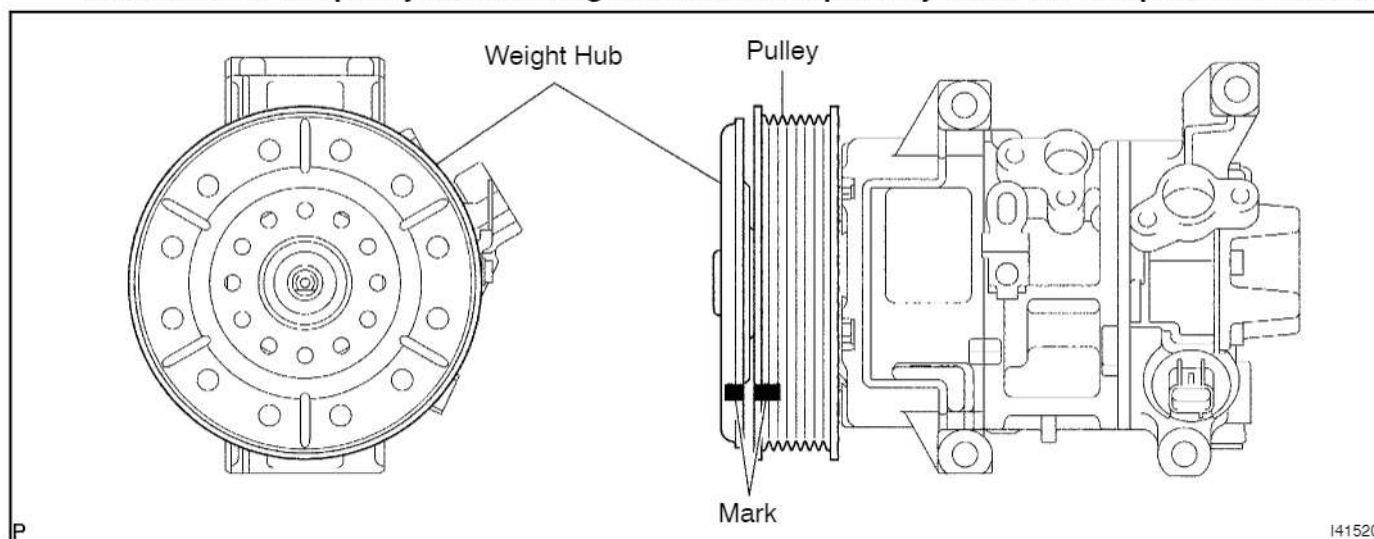
ON-VEHICLE INSPECTION

1. INSPECT W/PULLEY COMPRESSOR ASSY

- (a) Start the engine.
- (b) Check that the weight hub of the compressor assy rotates along with the pulley.

NORMAL: The pulley and the weight hub rotate together.

ABNORMAL: The pulley and the weight hub rotate separately when the compressor is locked.

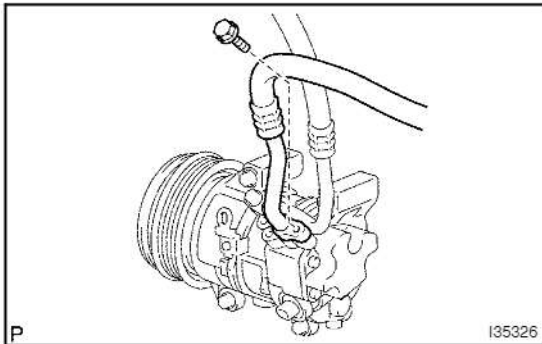


REPLACEMENT

1. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM

(See Pub. No. RM1018E, page 55-38)

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

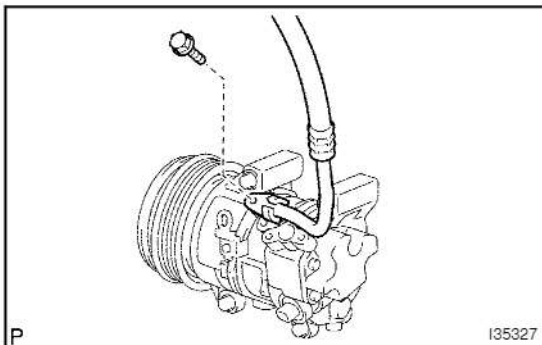


2. DISCONNECT COOLER REFRIGERANT SUCTION HOSE NO.1

- Remove the bolt and disconnect the cooler refrigerant suction hose No.1 from the w/pulley compressor assy.
- Remove the O-ring from the cooler refrigerant suction hose No.1.

NOTICE:

Seal the opening of the disconnected parts using vinyl tape to prevent moisture and foreign matters from entering.



3. DISCONNECT COOLER REFRIGERANT DISCHARGE HOSE NO.1

- Remove the bolt and disconnect the cooler refrigerant discharge hose No.1 from the w/pulley compressor assy.
- Remove the O-ring from the cooler refrigerant discharge hose No.1.

NOTICE:

Seal the opening of the disconnected parts using vinyl tape to prevent moisture and foreign matters from entering.

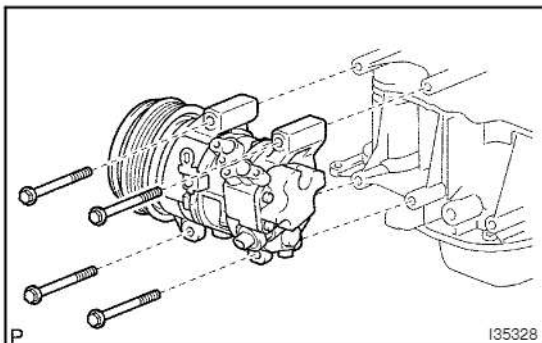
4. REMOVE RADIATOR SUPPORT OPENING COVER (See page 14-5)

5. REMOVE ENGINE ROOM COVER SIDE (See page 14-5)

6. REMOVE ENGINE UNDER COVER RH (See page 14-5)

7. REMOVE FAN AND GENERATOR V BELT (See page 14-5)

SST 09249-63010



8. REMOVE W/PULLEY COMPRESSOR ASSY

- Disconnect the connector.
- Remove the 4 bolts and the w/pulley compressor assy.

9. INSPECT COMPRESSOR OIL

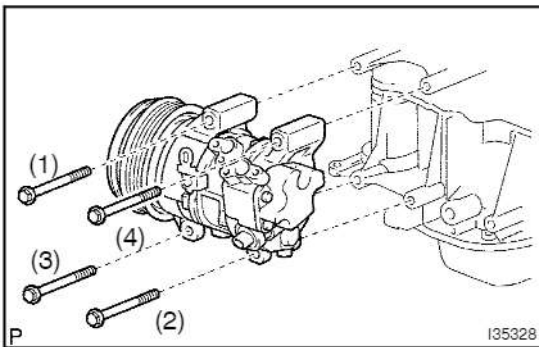
- (a) When replacing the w/pulley compressor assy with a new one, after gradually removing the refrigerant gas from the service valve, drain the following amount of oil from the new w/pulley compressor assy before installation.

Standard:

(Oil capacity inside new w/pulley compressor assy: 90 + 15 cc (3.0 + 0.5 fl. oz.)) - (Remaining oil amount in the removed w/pulley compressor assy) = (Oil amount to be removed when replacing)

NOTICE:

- When checking the compressor oil level, observe the precautions on the cooler removal/installation.
- Since compressor oil remains in the pipes of the vehicle, if a new w/pulley compressor assy is installed without removing some oil inside, the oil amount becomes excessive, preventing heat exchange in the refrigerant cycle and causing refrigerant failure.
- If the remaining oil in the removed w/pulley compressor assy is too small in volume, check for oil leakage.
- Be sure to use ND-OIL 8 for compressor oil.



10. INSTALL W/PULLEY COMPRESSOR ASSY

- (a) Install the w/pulley compressor assy with the 4 bolts.

Torque: 29 N·m (300 kgf·cm, 21 ft·lbf)

NOTICE:

Tighten the bolts in the order shown in the illustration to install the w/pulley compressor assy.

- (b) Connect the connector.

11. INSTALL FAN AND GENERATOR V BELT (See page 14-5)

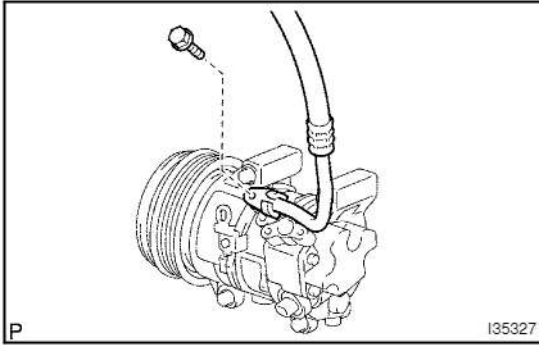
SST 09249-63010

12. INSTALL COOLER REFRIGERANT DISCHARGE HOSE NO.1

- (a) Remove the attached vinyl tape from the hose.
 (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the w/pulley compressor assy.

Compressor oil: ND-OIL 8 or equivalent

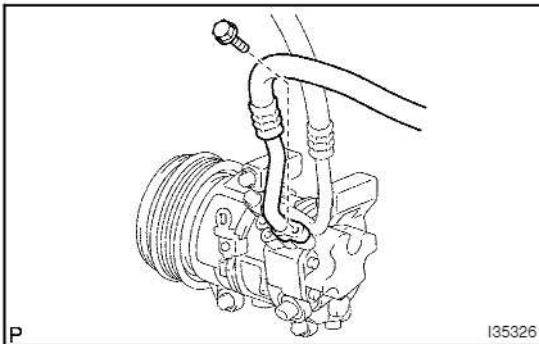
- (c) Install the O-ring on the cooler refrigerant discharge hose No.1.



- (d) Install the cooler refrigerant discharge hose No.1 on the w/pulley compressor assy with the bolt.
Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

13. INSTALL COOLER REFRIGERANT SUCTION HOSE NO.1

- (a) Remove the attached vinyl tape from the hose.
 (b) Sufficiently apply compressor oil to a new O-ring and the fitting surface of the w/pulley compressor assy.
Compressor oil: ND-OIL 8 or equivalent
 (c) Install the O-ring on the cooler refrigerant suction hose No.1.



- (d) Install the cooler refrigerant suction hose No.1 on the w/pulley compressor assy with the bolt.
Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

14. CHARGE REFRIGERANT (See Pub. No. RM1018E, page 55-38)

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

Specified amount: 440 ± 30 g (15.51 ± 1.06 oz.)

15. WARM UP ENGINE (See Pub. No. RM1018E, page 55-38)

16. INSPECT LEAKAGE OF REFRIGERANT (See Pub. No. RM1018E, page 55-38)