550S8–01

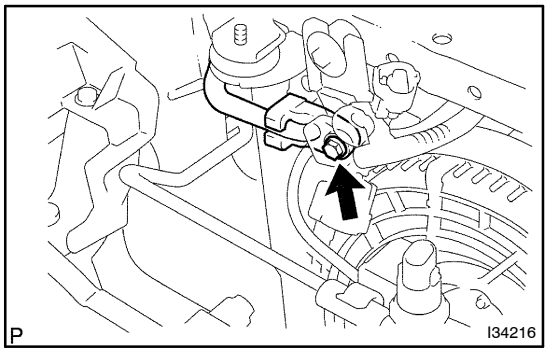
OVERHAUL

HINT:

COMPONENTS: See page 55–101

1. DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM **(See page 55–26)**

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



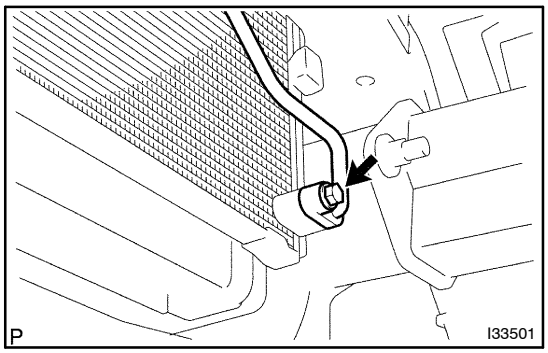
2. DISCONNECT DISCHARGE HOSE SUB–ASSY

(a) Remove the bolt and disconnect the discharge hose sub–assy from the cooler condenser core.

(b) Remove the O–ring from the discharge hose sub–assy.

NOTICE:

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



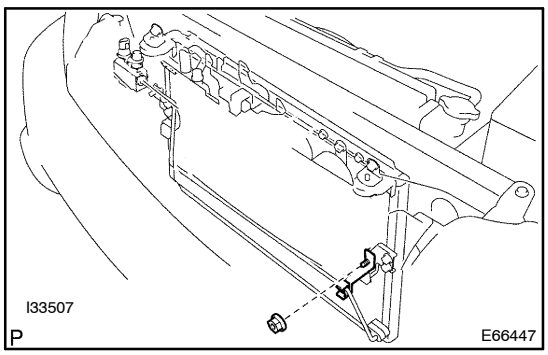
3. DISCONNECT AIR CONDITIONING TUBE ASSY

(a) Remove the bolt and disconnect the air conditioning tube assy from the cooler condenser core.

(b) Remove the O–ring from the air conditioning tube assy.

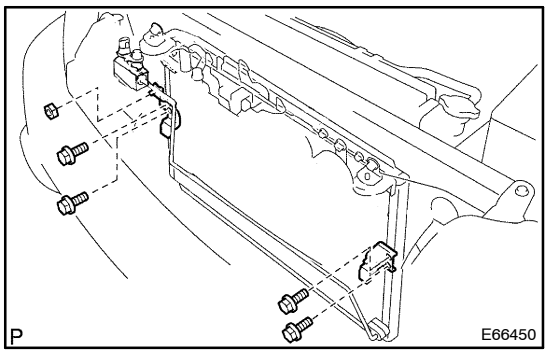
NOTICE:

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



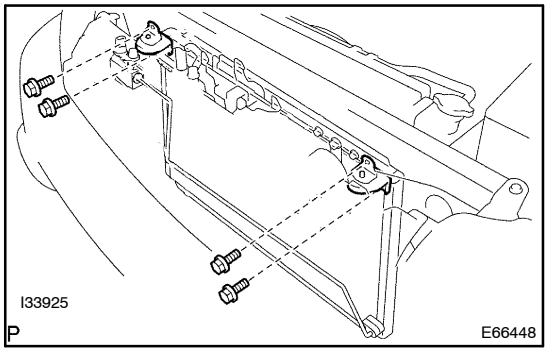
4. REMOVE COOLER CONDENSER BRACKET NO.1

(a) Remove the nut and cooler condenser bracket No. 1.



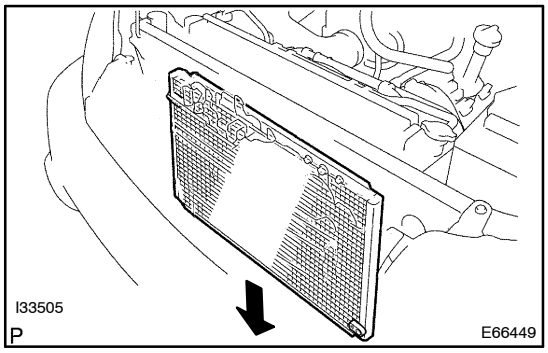
5. REMOVE COOLER CONDENSER CUSHION NO.2

(a) Remove the 4 bolts, nut and cooler condenser cushion No. 2.



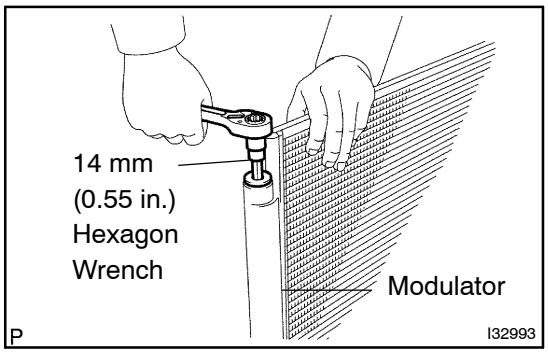
6. REMOVE COOLER CONDENSER CUSHION NO.1

(a) Remove the 4 bolts and cooler condenser cushion No. 1.



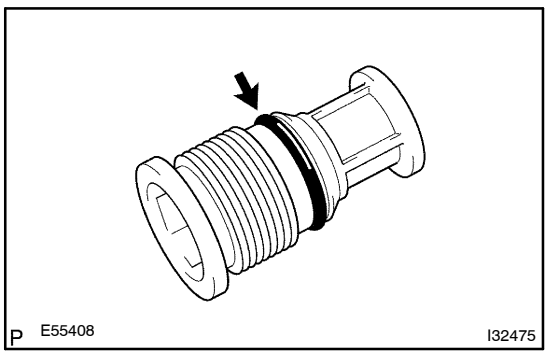
7. REMOVE COOLER CONDENSER CORE

(a) Remove the cooler condenser core.

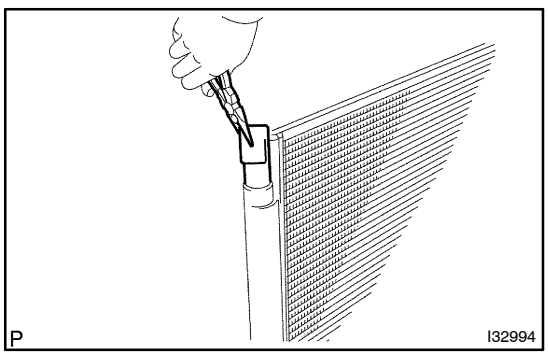


8. REMOVE COOLER DRYER

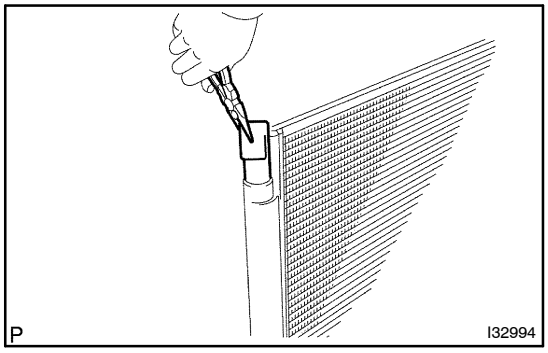
(a) Using hexagon wrench 14 mm (0.55 in.), remove the cap and filter from the modulator.



(b) Remove the O–ring from the cap.

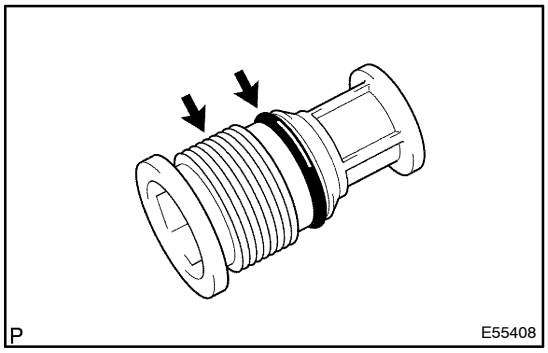


(c) Using a needle nose pliers, remove the cooler dryer.



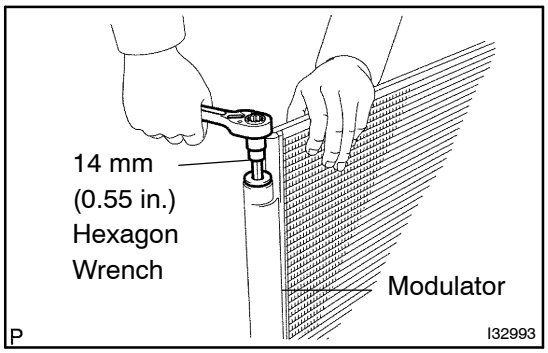
9. INSTALL COOLER DRYER

(a) Using a needle nose pliers, install the cooler dryer.

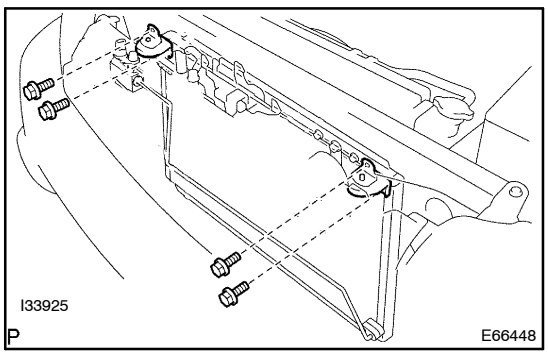


(b) Install new O–ring on the cap.

(c) Sufficiently apply compressor oil to the fitting surfaces of the O–ring and the cap.
Compressor oil: ND–OIL 8 or equivalent

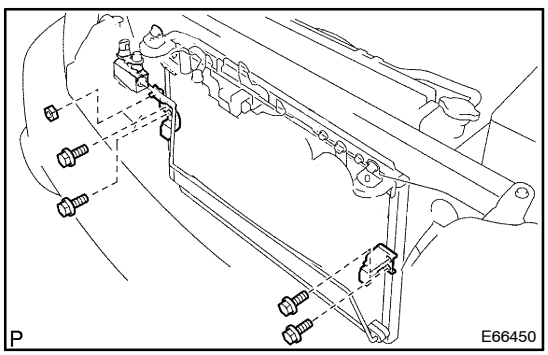


(d) Using hexagon wrench 14 mm (0.55 in.), install the cap to the cooler condenser assy.
Torque: 2.9 N·m (30 kgf·cm, 25 in.·lbf)



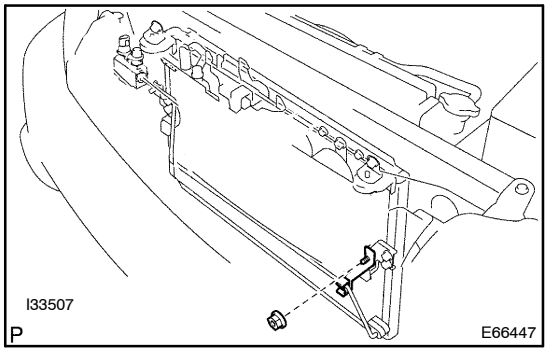
10. INSTALL COOLER CONDENSER CUSHION NO.1

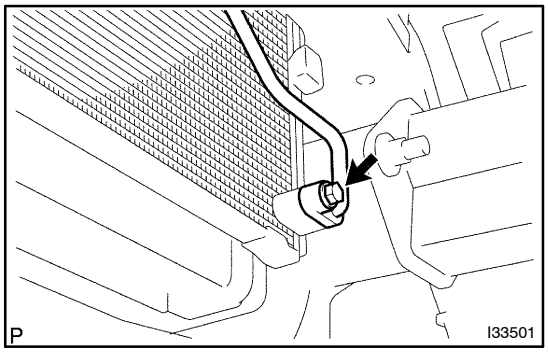
(a) Install the cooler condenser cushion No. 1 with the 4 bolts.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

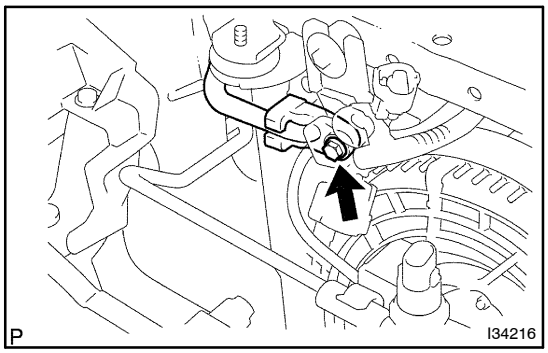


11. INSTALL COOLER CONDENSER CUSHION NO.2

(a) Install the cooler condenser cushion No. 2 with the 4 bolts and nut.
Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)







12. INSTALL COOLER CONDENSER BRACKET NO.1

(a) Install the cooler condenser bracket No. 1 with the nut.

Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

13. INSTALL AIR CONDITIONING TUBE ASSY

(a) Remove the attached vinyl tape from the tube and connecting part of the cooler condenser core.

(b) Sufficiently apply compressor oil to the new O–ring and fitting surface of the pipe joint.

Compressor oil: ND–OIL 8 or equivalent

(c) Install a O–ring on the air conditioning tube assy.

(d) Connect the air conditioning tube assy on the cooler condenser core with the bolt.

Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

14. INSTALL DISCHARGE HOSE SUB–ASSY

(a) Remove the attached vinyl tape from the tube and connecting part of the cooler condenser core.

(b) Sufficiently apply compressor oil to the new O–ring and fitting surface of the hose joint.

Compressor oil: ND–OIL 8 or equivalent

(c) Install a O–ring on the discharge hose sub–assy.

(d) Connect the discharge hose sub–assy on the cooler condenser core with the bolt.

Torque: 5.4 N·m (55 kgf·cm, 47 in.·lbf)

15. CHARGE REFRIGERANT (See page 55–26)

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

Specified amount:

Single A/C: 650 ± 30 g (22.92 ± 1.06 oz.)

Single A/C + Cool box: 750 ± 30 g (26.45 ± 1.06 oz.)

Dual A/C: 800 ± 30 g (28.21 ± 1.06 oz.)

Dual A/C + Cool box: 900 ± 30 g (31.74 ± 1.06oz.)

16. WARM UP ENGINE (See page 55–26)

17. INSPECT LEAKAGE OF REFRIGERANT (See page 55–26)