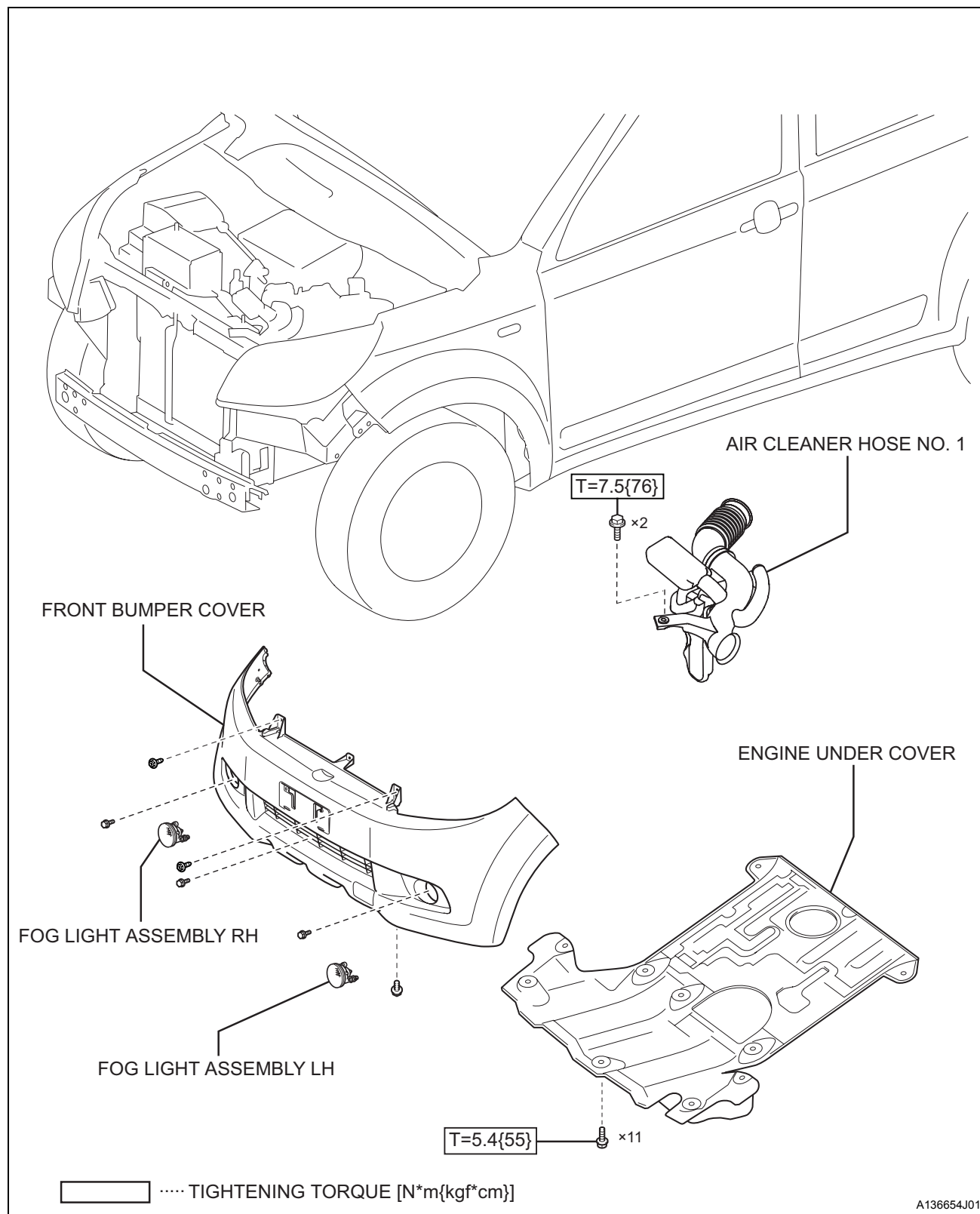


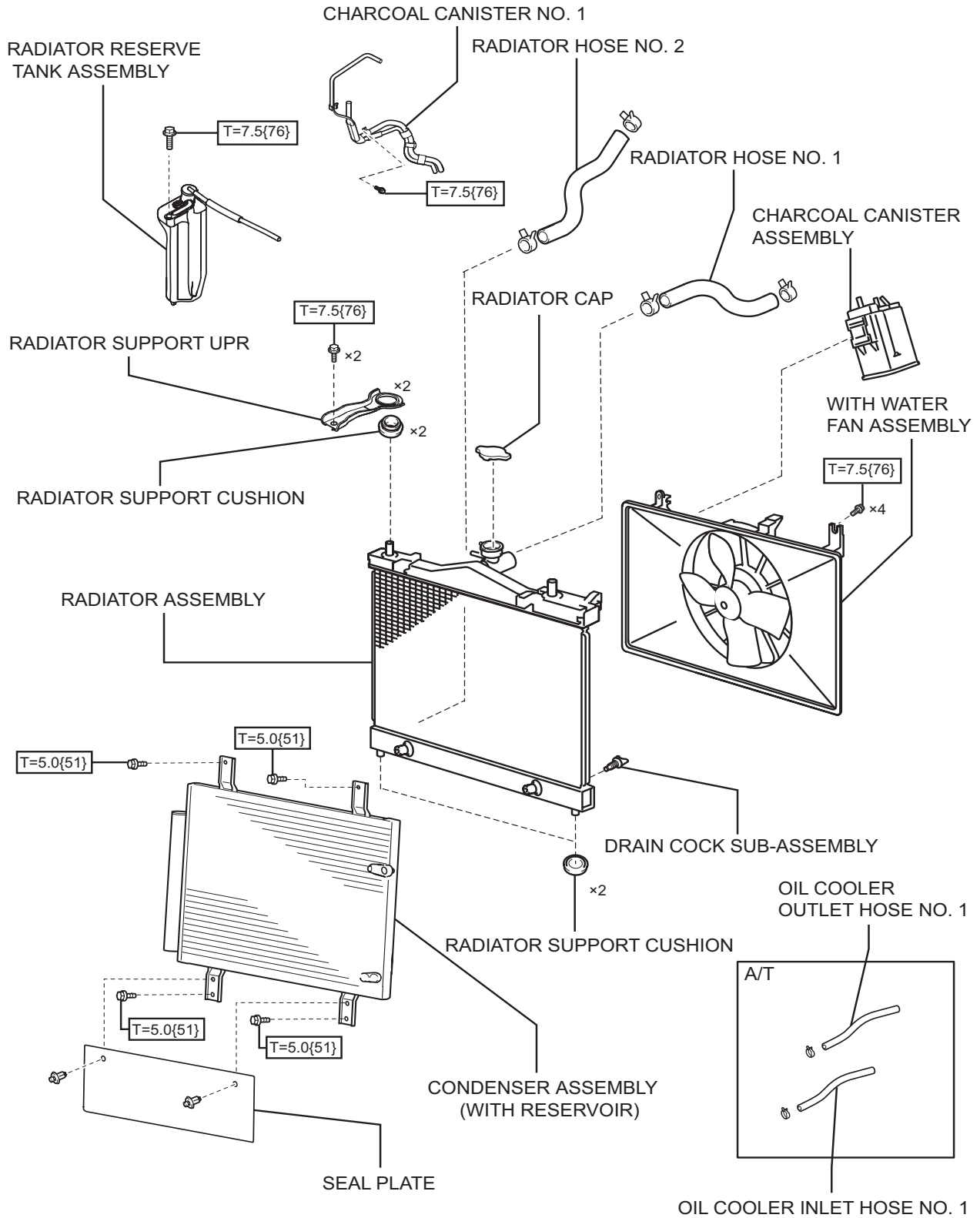
RADIATOR ASSEMBLY (3SZ-VE)

COMPONENTS



CO

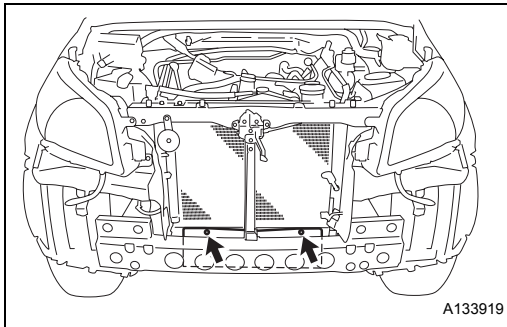
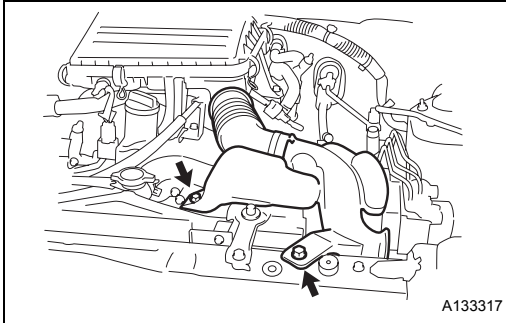




REMOVAL

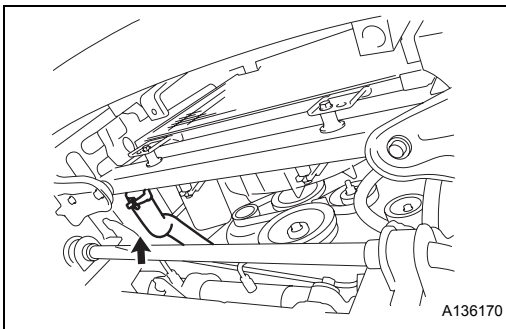
1. **DISCONNECT NEGATIVE BATTERY TERMINAL**
(See page RS-164)
2. **REMOVE ENGINE UNDER COVER**
3. **DRAIN ENGINE COOLANT** (See page CO-9)
4. **REMOVE FOG LIGHT ASSEMBLY LH** (See page CO-9)
5. **REMOVE FOG LIGHT ASSEMBLY RH**
6. **REMOVE FRONT BUMPER COVER** (See page ET-2)
7. **REMOVE AIR CLEANER HOSE NO. 1**

(a) Remove the 2 bolts. Then remove the air cleaner hose No. 1.



8. **REMOVE SEAL PLATE**

(a) Detach the 2 clips and remove the seal plate.



9. **REMOVE RADIATOR HOSE NO. 2**

(a) Remove the clip. Then radiator hose No. 2 hose.

10. **DISCONNECT OIL COOLER INLET HOSE NO. 1 (AUTOMATIC TRANSMISSION)**

(a) Remove the clip and disconnect oil cooler inlet hose No. 1 from the radiator assembly.

11. **DISCONNECT OIL COOLER OUTLET HOSE NO. 1 (AUTOMATIC TRANSMISSION)**

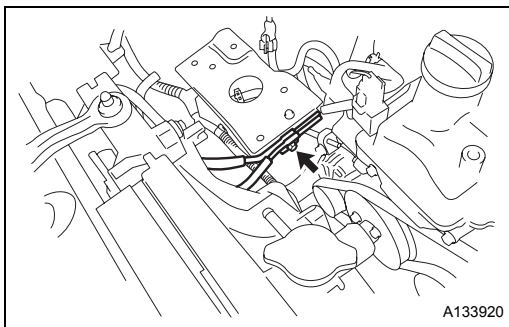
(a) Remove the clip and disconnect oil cooler outlet hose No. 1 from the radiator assembly.

12. **REMOVE RADIATOR RESERVE TANK ASSEMBLY**

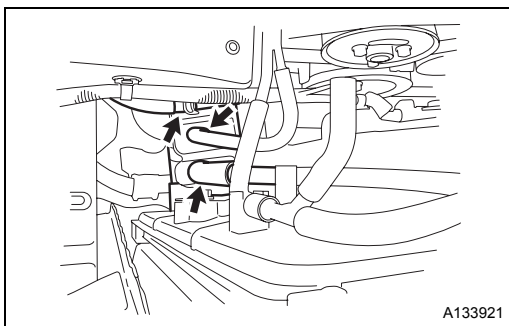
(a) Disconnect the radiator reserve tank assembly hose.
(b) Remove the bolt and pull out the pin on the lower side of the radiator reserve tank assembly from the bush.

13. **REMOVE RADIATOR HOSE NO. 1**

(a) Remove the clip. Then remove radiator hose No. 1.

**14. REMOVE CHARCOAL CANISTER ASSEMBLY**

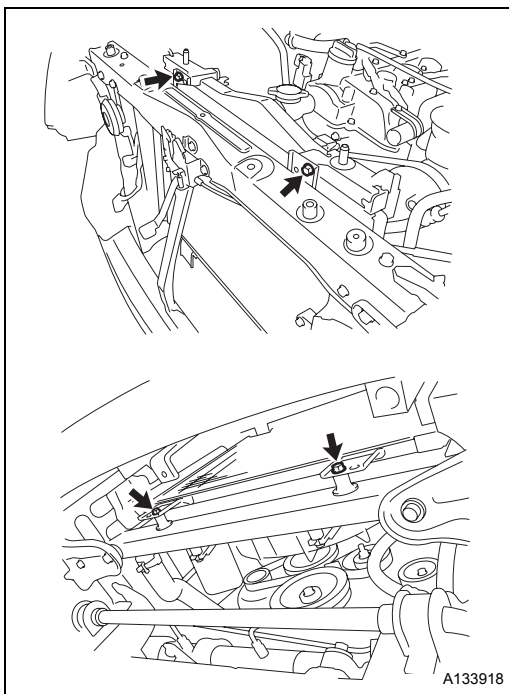
- (a) Remove the bolt. Then remove the charcoal canister pipe No. 1 from the battery carrier.



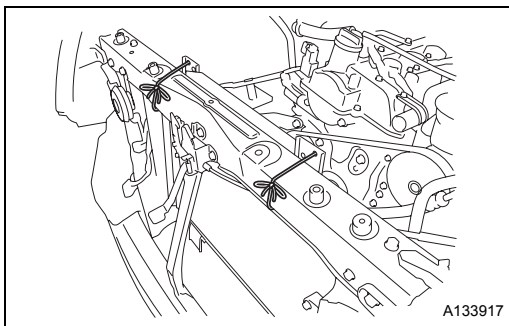
- (b) Disconnect the 3 hoses and remove the charcoal canister assembly from the bracket by sliding it upward.

15. REMOVE RADIATOR SUPPORT UPPER

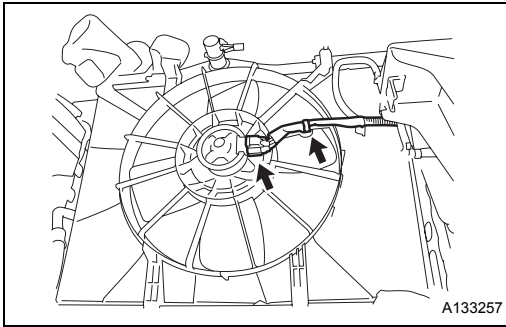
- (a) Remove the bolt. Then remove the right and left radiator support uppers.

**16. REMOVE CONDENSER ASSEMBLY (WITH RECEIVER)**

- (a) Remove the 4 bolts and disconnect the condenser assembly (with receiver).



- (b) Secure the condenser assembly (with receiver) to the radiator support upper with a string so that it does not fall.



17. REMOVE RADIATOR ASSEMBLY

- (a) Disconnect the cleaning fan motor connector and wire harness clamp.
- (b) Remove the radiator assembly together with the with water fan assembly from the vehicle.

NOTICE:

When removing the radiator assembly, do not apply unreasonable force to the condenser assembly (with receiver) and the pipe.

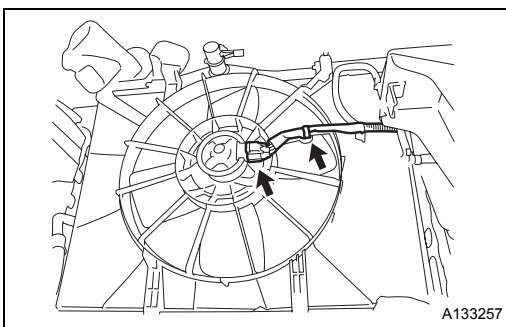
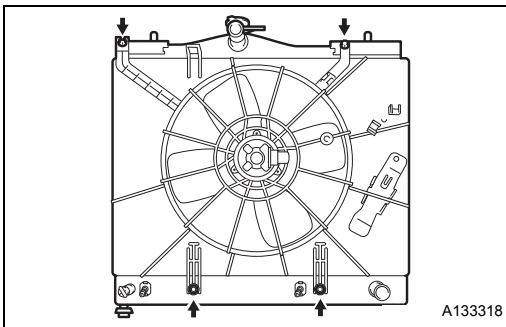
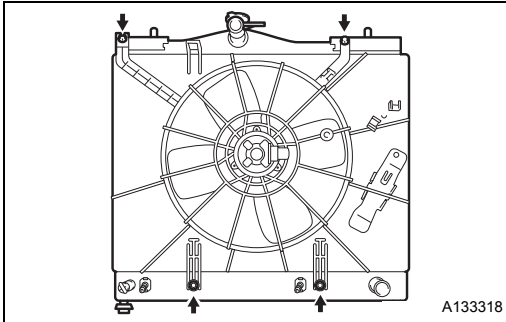
18. REMOVE RADIATOR SUPPORT CUSHION

19. REMOVE WITH WATER FAN ASSEMBLY

- (a) Remove the 4 bolts and the with water fan assembly.

20. REMOVE DRAIN COCK SUB-ASSEMBLY

- (a) Remove the drain cock sub-assembly from the radiator assembly.



INSTALLATION

1. INSTALL DRAIN COCK SUB-ASSEMBLY

- (a) Install the drain cock sub-assembly to the radiator assembly.

2. INSTALL WITH WATER FAN ASSEMBLY

- (a) Install the floor shift assembly with the 4 bolts.

Torque: 7.5 N*m (76 kgf*cm)

3. INSTALL RADIATOR SUPPORT CUSHION

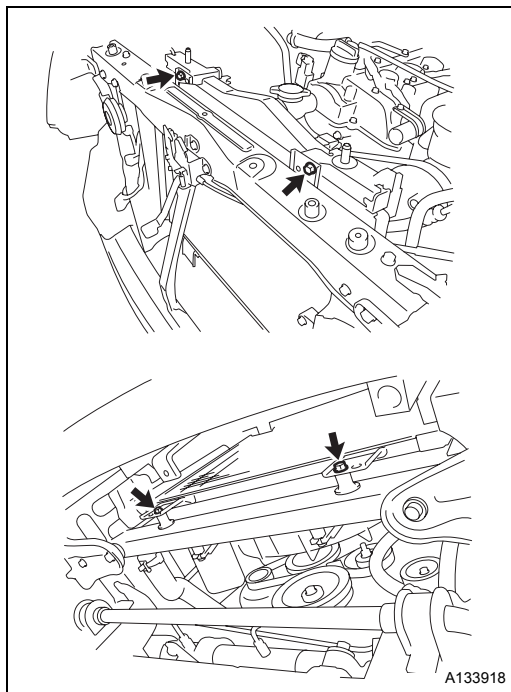
4. INSTALL RADIATOR ASSEMBLY

- (a) Install the radiator assembly to the vehicle together with the cleaning fan assembly.

NOTICE:

Make sure the radiator assembly does not interfere with the cooler condenser assembly.

- (b) Connect the cooling fan motor connector and the wire harness clamp.

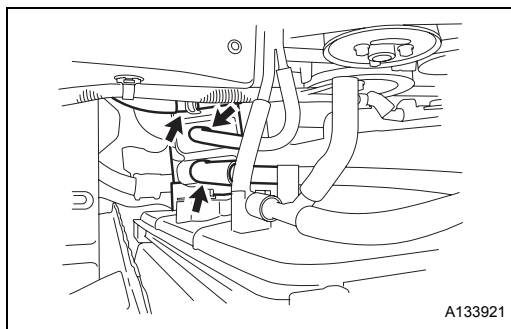


5. INSTALL CONDENSER ASSEMBLY (WITH RECEIVER)

- (a) Install the condenser assembly (with receiver) with the 4 bolts.
Torque: 5.0 N*m (51 kgf*cm)

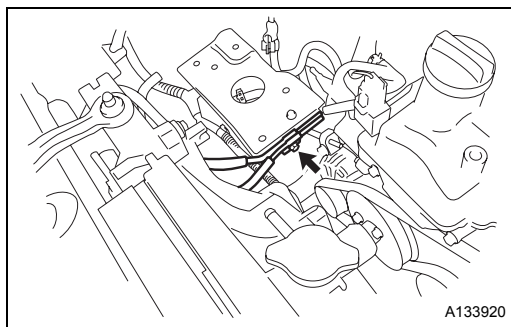
6. INSTALL RADIATOR SUPPORT UPPER

- (a) Install the radiator support upper with the bolt.
Torque: 7.5 N*m (76 kgf*cm)



7. INSTALL CHARCOAL CANISTER ASSEMBLY

- (a) Install the 3 hoses.
 (b) Install the charcoal canister assembly to the bracket.



- (c) Install the charcoal canister pipe No. 1 with the bolt.
Torque: 7.5 N*m (76 kgf*cm)

8. INSTALL RADIATOR HOSE NO. 1

- (a) Install radiator hose No. 1 and fix it with the clamp.

9. INSTALL RADIATOR RESERVE TANK ASSEMBLY

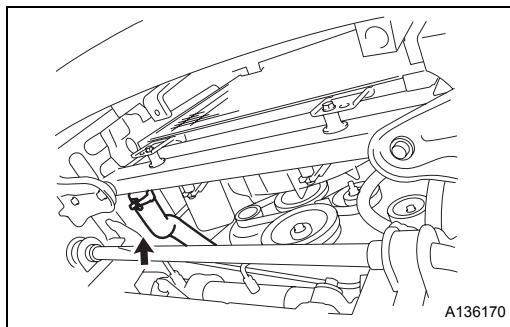
- (a) Install the radiator reserve tank assembly with the bolt.
Torque: 7.5 N*m (76 kgf*cm)
 (b) Install the radiator reserve tank assembly hose.

10. CONNECT OIL COOLER OUTLET HOSE NO. 1 (AUTOMATIC TRANSMISSION)

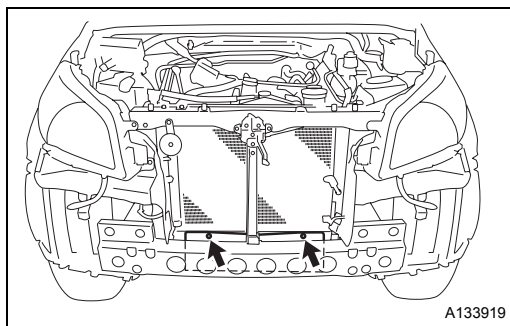
- (a) Install oil cooler outlet hose No. 1 and fix it with the clamp.

11. CONNECT OIL COOLER INLET HOSE NO. 1 (AUTOMATIC TRANSMISSION)

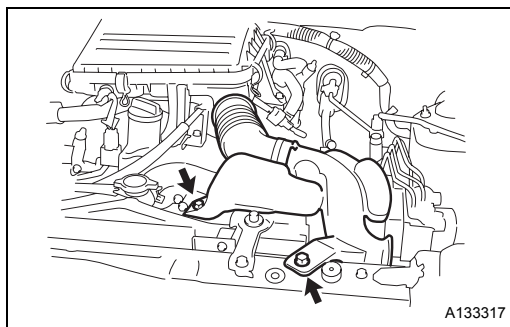
- (a) Install oil cooler inlet hose No. 1 and fix it with the clamp.

**12. CONNECT RADIATOR HOSE NO. 2**

- (a) Install radiator hose No. 2 and fix it with the clamp.

**13. INSTALL SEAL PLATE**

- (a) Install the seal plate with the 2 clips.

**14. INSTALL AIR CLEANER HOSE NO. 1**

- (a) Install the air cleaner hose No. 1 with the 2 bolts.

Torque: 7.5 N*m (76 kgf*cm)

15. INSTALL ENGINE UNDER COVER (See page EM-69)**16. INSTALL FRONT BUMPER COVER (See page ET-5)****17. INSTALL FOG LIGHT ASSEMBLY LH****18. INSTALL FOG LIGHT ASSEMBLY RH****19. CONNECT NEGATIVE BATTERY TERMINAL**

Torque: 5.4 N*m (55 kgf*cm)

20. REFILL ENGINE COOLANT (See page CO-10)**21. CHECK FOR ENGINE COOLANT LEAKS (See page CO-10)****22. CHECK COOLANT LEVEL (See page CO-10)**