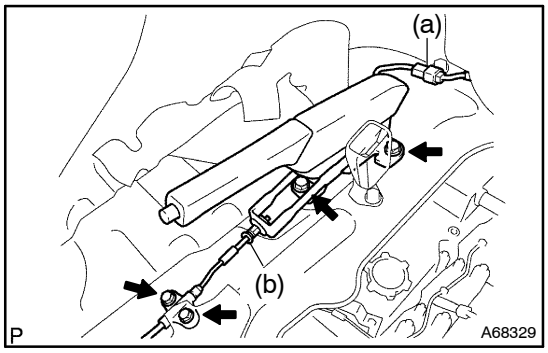
RADIATOR ASSY (14B)

160JZ–01

REPLACEMENT

1. DISCONNECT BATTERY NEGATIVE TERMINAL
2. DRAIN ENGINE COOLANT
3. DISCONNECT RADIATOR RESERVE TANK HOSE OR PIPE
4. REMOVE FRONT SEAT ASSEMBLY (DRIVER SEAT) (W/O TILT CAB CAB TYPE) (See page 72–2)
5. REMOVE PARKING BRAKE HOLE COVER (W/O TILT CAB CAB TYPE)

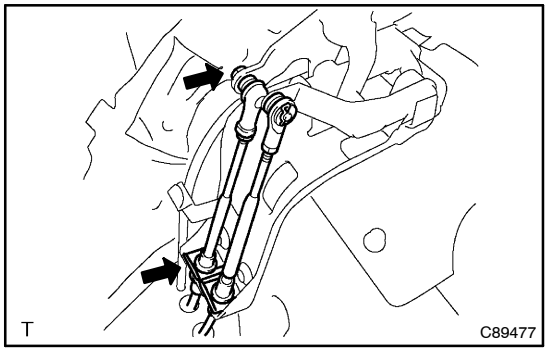


6. REMOVE PARKING BRAKE LEVER ASSY (W/O TILT CAB CAB TYPE)

(a) Disconnect the parking barake switch connector.
(b) Fixing the adjusting nut, loosen the lock nut.
(c) Remove the 4 bolts and parking brake lever.

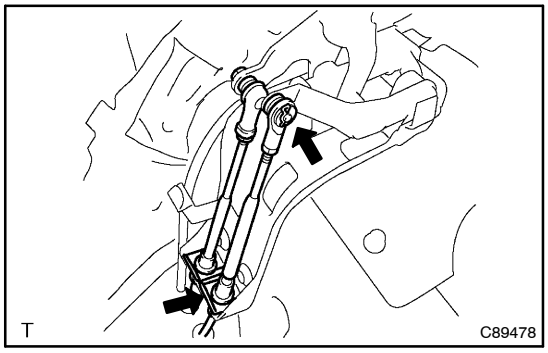
7. REMOVE FLOOR SHIFT SHIFT LEVER KNOB SUB–ASSY (W/O TILT CAB CAB TYPE)
8. REMOVE SHIFTING HOLE COVER SUB–ASSY AND SHIFT LEVER BOOT COVER (W/O TILT CAB CAB TYPE)

(a) Remove the 3 clips and shift lever boot cover.

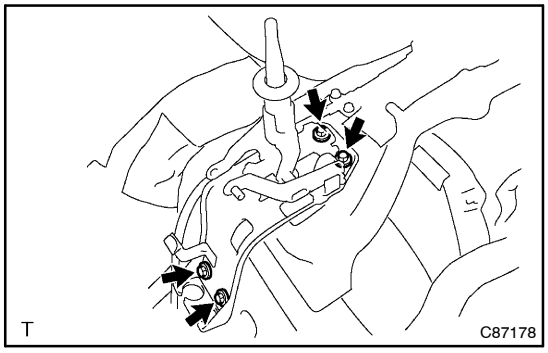


9. REMOVE SHIFT AND SELECT TRANSMISSION CONTROL CABLE ASSY (W/O TILT CAB CAB TYPE)

(a) Remove the nut, and disconnect the shift cable from the floor shift.
(b) Remove the clip, and disconnect the shift cable from the floor shift lever retainer.

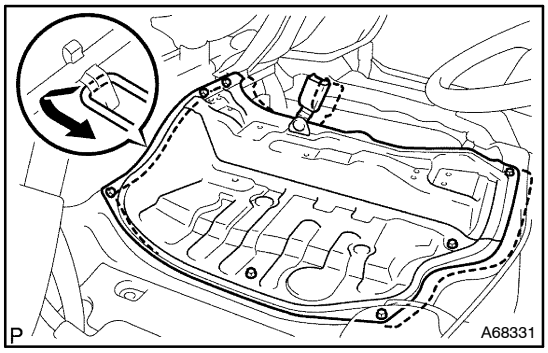


(c) Remove the clip, and disconnect the select cable from the floor shift.
(d) Remove the clip, and disconnect the select cable from the shift lever retainer.



10. REMOVE FLOOR SHIFT ASSY (W/O TILT CAB CAB TYPE)

(a) Remove the 4 bolts and floor shift.



11. REMOVE ENGINE SERVICE HOLE SUB COVER SUB–ASSY (W/O TILT CAB CAB TYPE)

(a) Remove the floor mat.

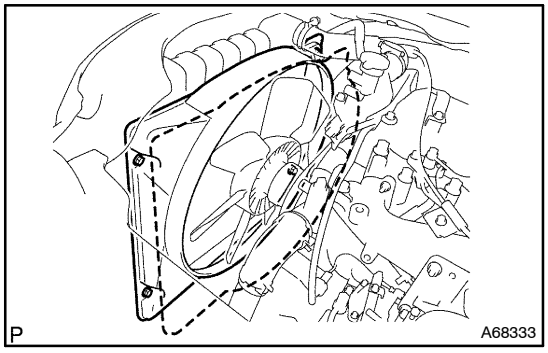
(b) Remove the 7 bolts and engine service hole sub cover.

HINT:

As shown in the illustration, slide and remove the engine service hole sub cover, because there is a hook inside.

12. DISCONNECT RADIATOR HOSE INLET

13. DISCONNECT RADIATOR HOSE OUTLET

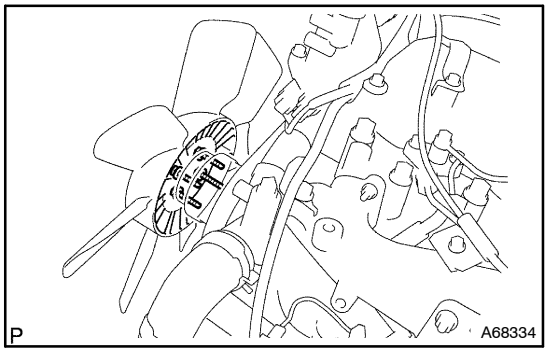


14. REMOVE FAN SHROUD

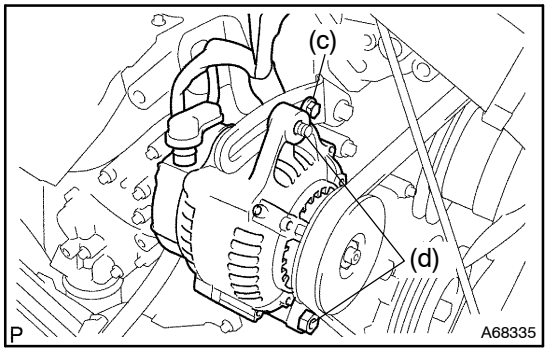
(a) Remove the 4 bolts, and move the fan shroud in the illustrated direction.

NOTICE:

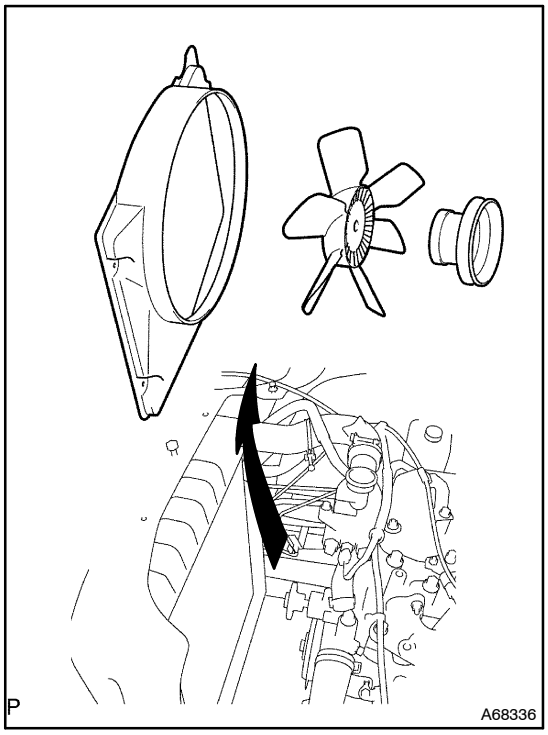
Be careful not to damage the radiator core and the drive belt.



(b) Loosen the fan bolts.

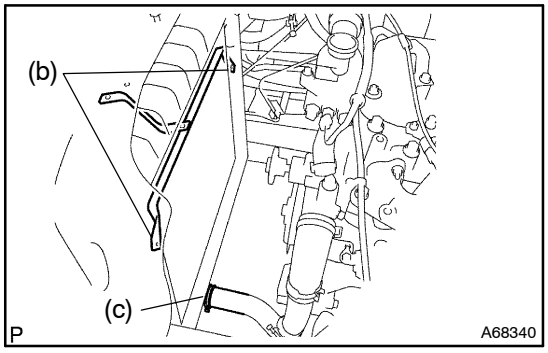


(c) Remove the bolt and wire clamp.
(d) Loosen the 2 bolts and remove the drive belt.

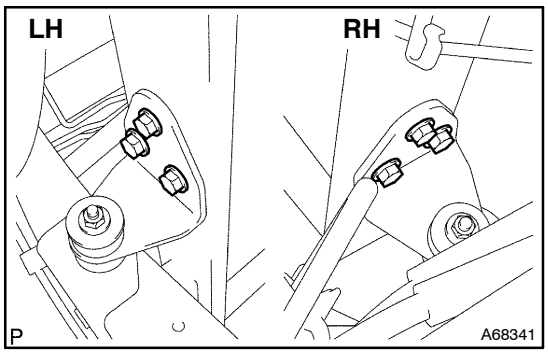


(e) Remove the 4 bolts and fan shroud, fan and pulley together.

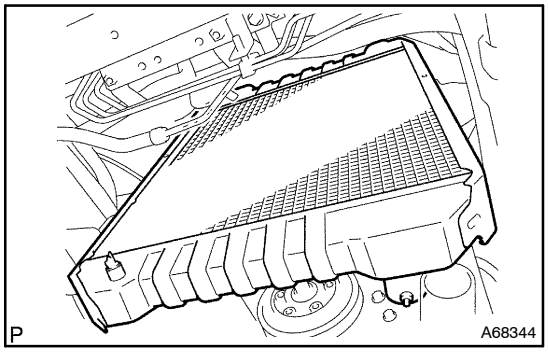
NOTICE:
Be careful not to damage the radiator core.



15. REMOVE RADIATOR ASSY
(a) Disconnect the throttle wire and engine wire harness.
(b) Disconnect the radiator outlet hose.
(c) Remove the 2 bolts from the stay.



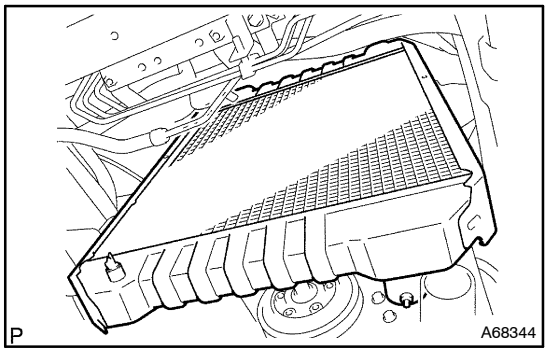
(d) Remove the 6 bolts and 2 nuts from the stay on the radiator mounting brackets.



(e) Remove the radiator.

NOTICE:

Be careful not to damage the radiator core.

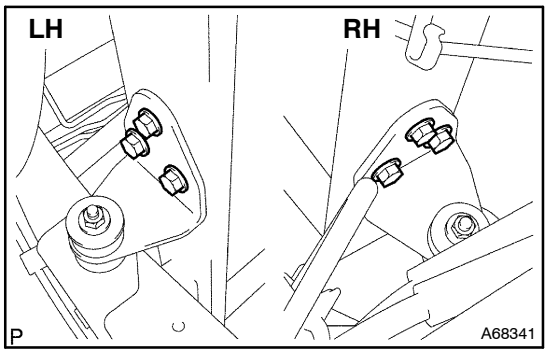


16. INSTALL RADIATOR ASSY

(a) Install the radiator.

NOTICE:

Be careful not to damage the radiator core.

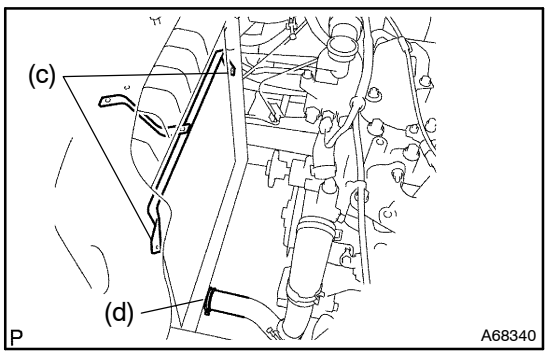


(b) Install the radiator with the 6 bolts and 2 nuts.

Torque:

18 N·m (184 kgf·cm, 13 ft·lbf) for bolt

7.5 N·m (76 kgf·cm, 66 in.·lbf) for nut

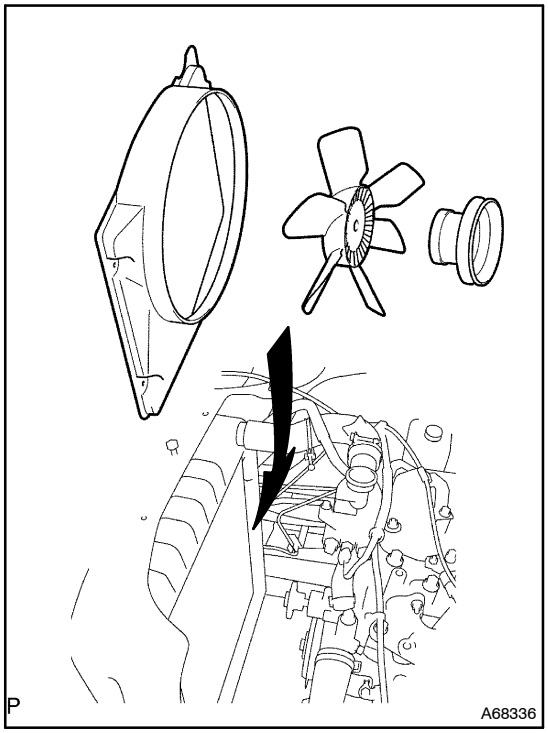


(c) Install the stay with the 2 bolts.

Torque: 11.5 N·m (115 kgf·cm, 8.5 ft·lbf)

(d) Connect the radiator outlet hose.

(e) Connect the throttle wire and engine wire harness.



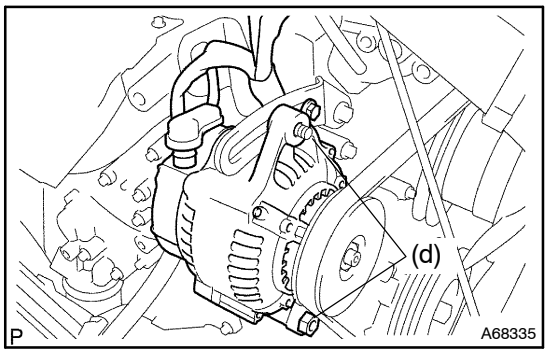
17. INSTALL FAN SHROUD

(a) Install the fan shroud, fan and pulley.

NOTICE:

Be careful not to damage the radiator core.

(b) Temporarily tighten the fan bolts.



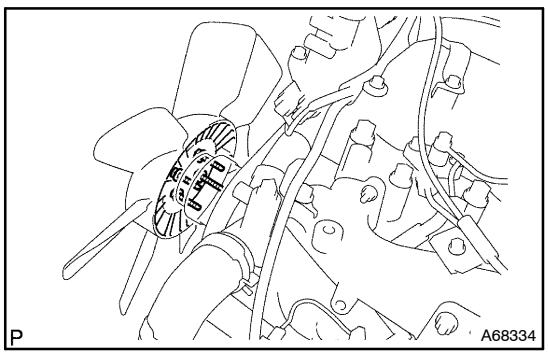
(c) Install the drive belt and adjust the belt tension (See page 14–1).

(d) Tighen the 2 bolts.

Torque:

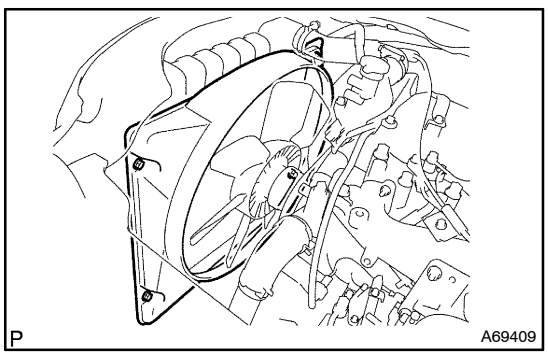
35 N·m (360 kgf·cm, 26 ft·lbf) for 14 mm head

37.5 N·m (382 kgf·cm, 28 ft·lbf) for 17 mm head



(e) Tighen the 4 bolts.

Torque: 18.5 N·m (189 kgf·cm, 14 ft·lbf)

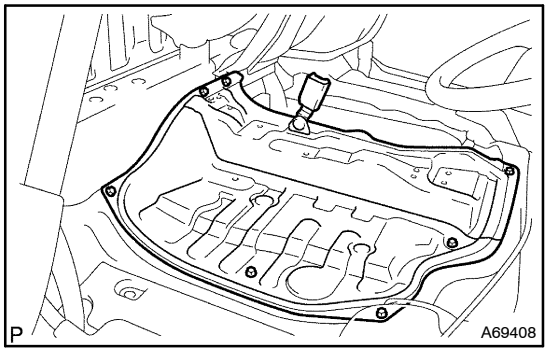


(f) Install the fan shroud with the 4 bolts.

Torque: 11.5 N·m (115 kgf·cm, 8.5 ft·lbf)

NOTICE:

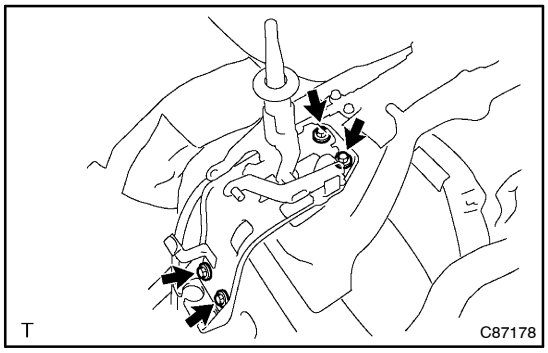
Be careful not to damage the radiator core and the drive belt.



18. INSTALL ENGINE SERVICE HOLE SUB COVER SUB–ASSY (W/O TILT CAB CAB TYPE)

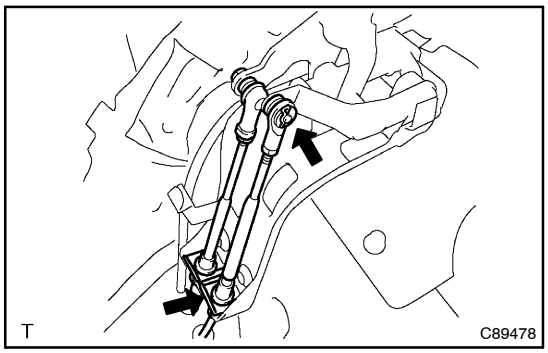
(a) Install the engine service hole sub cover with the 7 bolts.
Torque: 11.5 N·m (115 kgf·cm, 8.5 ft·lbf)

(b) Install the floor mat.



19. INSTALL FLOOR SHIFT ASSY (W/O TILT CAB CAB TYPE)

(a) Install the floor shift to the floor with the 4 bolts.
Torque: 18 N·m (183 kgf·cm, 13 ft·lbf)



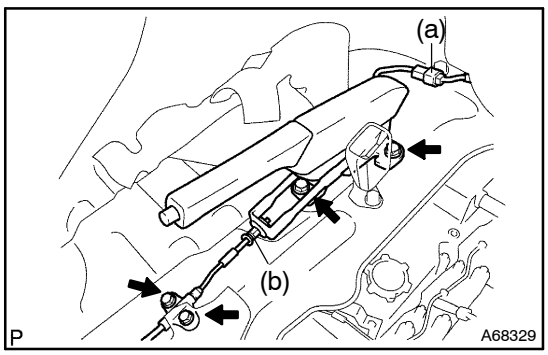
20. INSTALL SHIFT AND SELECT TRANSMISSION CONTROL CABLE ASSY (W/O TILT CAB CAB TYPE)

(a) Install the select cable to the shift lever retainer with the clip.

(b) Install the select cable to the floor shift assy with the clip.

(c) Install the shift cable to the shift lever retainer with the clip.

(d) Temporarily install the shift cable to the floor shift with the nut.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



21. INSTALL PARKING BRAKE LEVER ASSY (W/O TILT CAB CAB TYPE)

(a) Install the parking brake lever with the 4 bolts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

(b) Connect the parking barake switch connector.

22. INSTALL FRONT SEAT ASSEMBLY (DRIVER SEAT) (W/O TILT CAB CAB TYPE)
(See page 72–2)

23. ADJUST PARKING BRAKE SHOE CLEARANCE (CENTER PARKING BRAKE)
(See page 33–11)

24. INSPECT AND ADJUST PARKING BRAKE LEVER TRAVEL (See page 33–11)

25. REFILL ENGINE COOLANT

26. CONNECT BATTERY NEGATIVE TERMINAL

27. CHECK FOR ENGINE COOLANT LEAKS