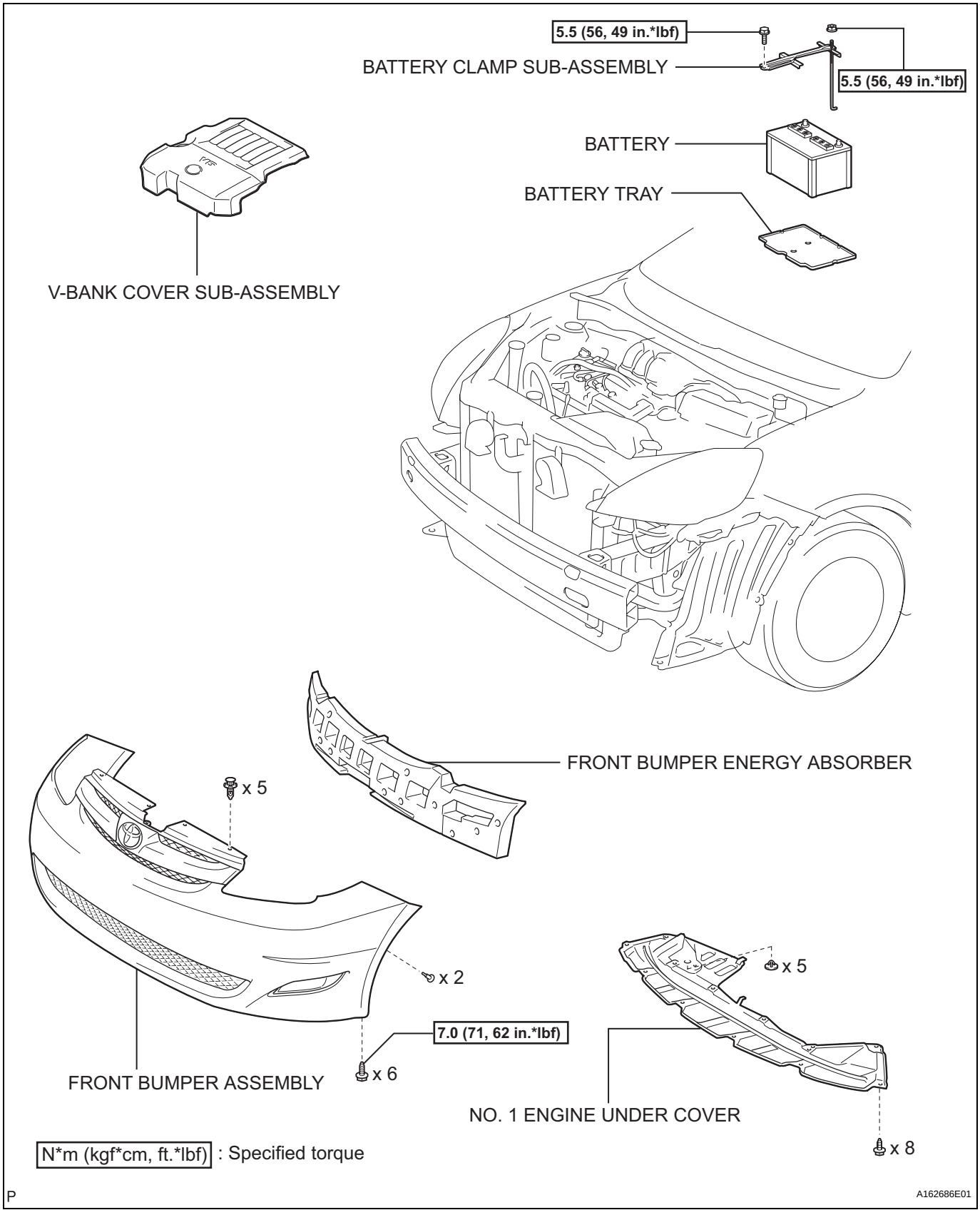
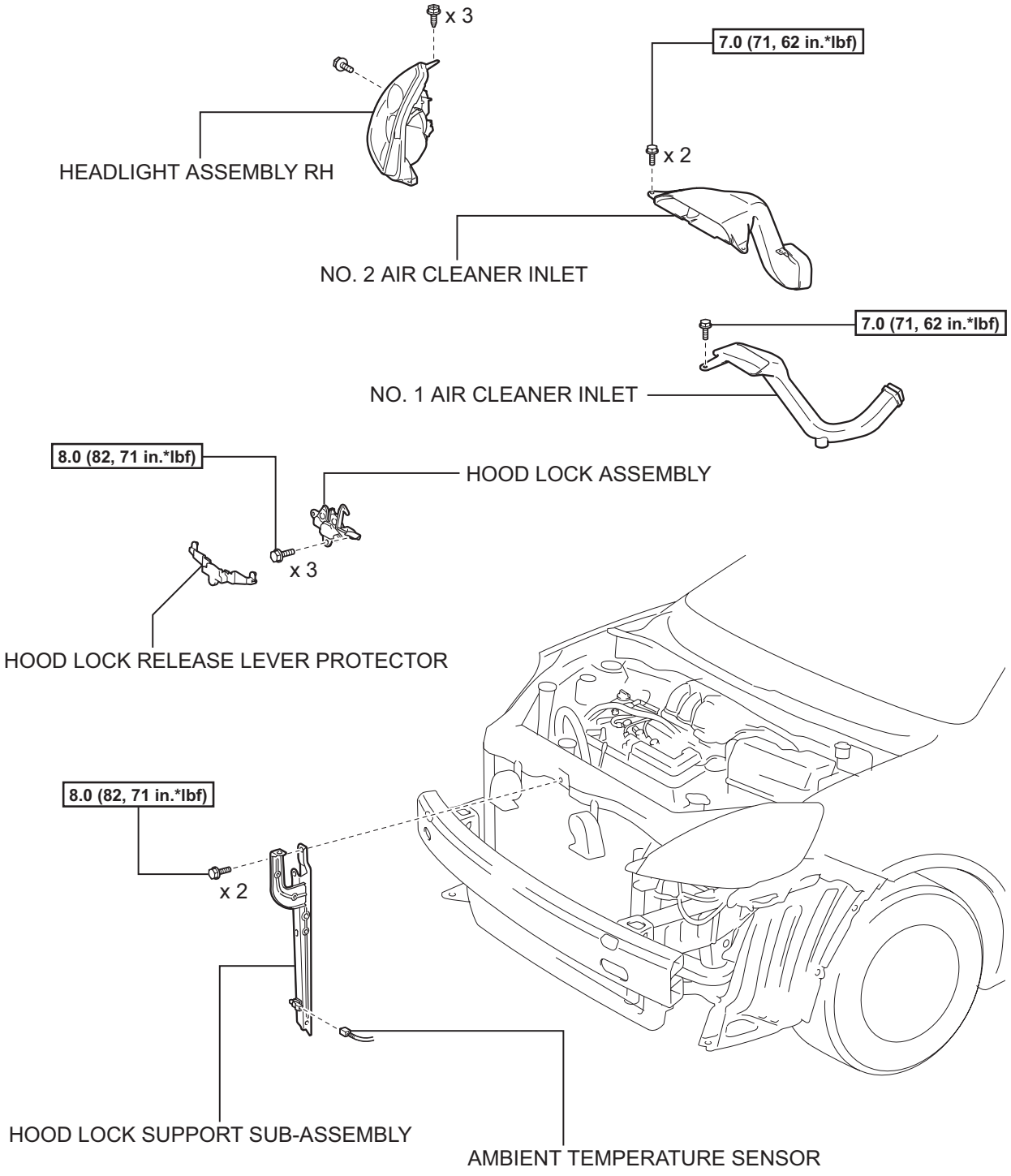
RADIATOR

COMPONENTS



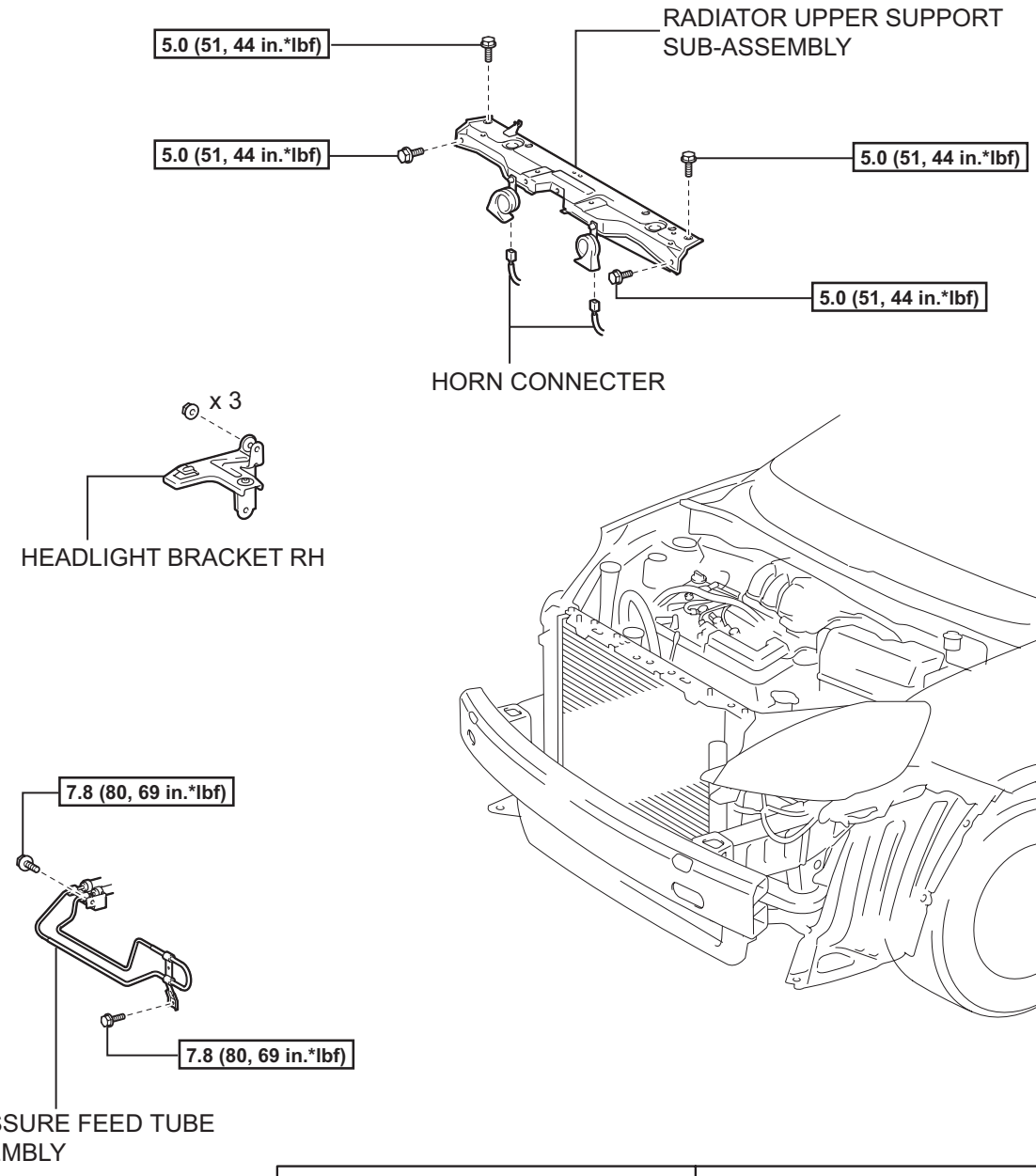


CO

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

P

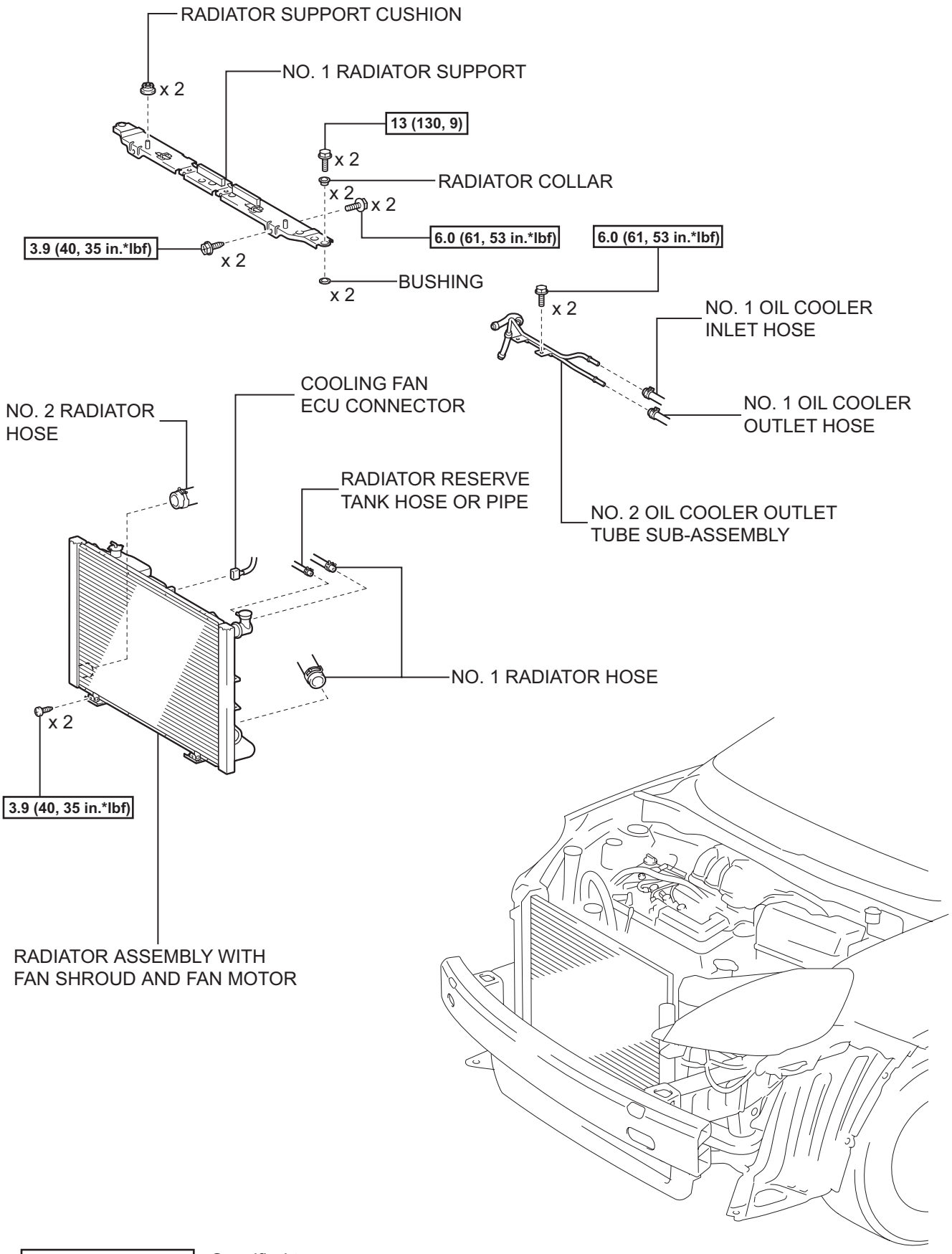
A162687E01



With Dynamic Radar Cruise Control:	Without Dynamic Radar Cruise Control:
RADIATOR SIDE DEFLECTOR RH	RADIATOR SIDE DEFLECTOR RH

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

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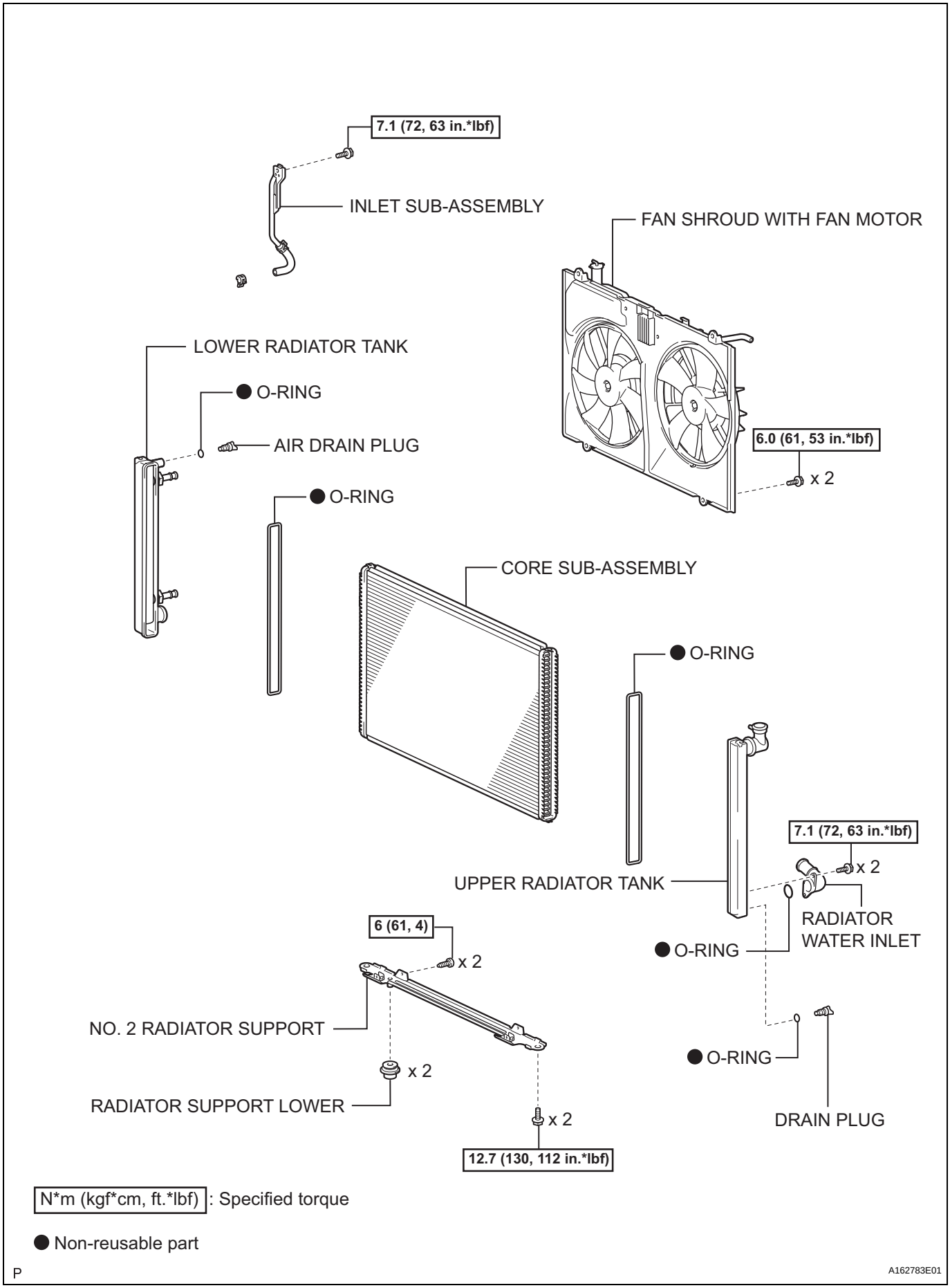


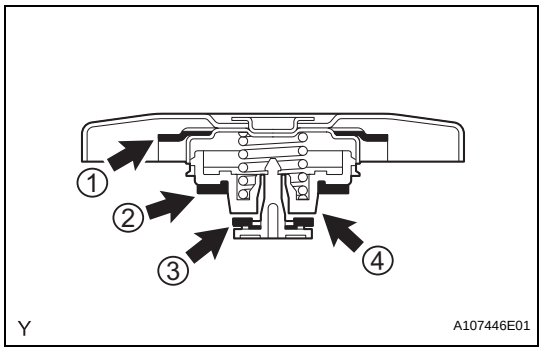
N*m (kgf*cm, ft.*lbf) : Specified torque

P

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CO


7.1 (72, 63 in.*lbf)
INLET SUB-ASSEMBLY
FAN SHROUD WITH FAN MOTOR
LOWER RADIATOR TANK
O-RING
AIR DRAIN PLUG
O-RING
6.0 (61, 53 in.*lbf)
x 2
CORE SUB-ASSEMBLY
O-RING
7.1 (72, 63 in.*lbf)
x 2
UPPER RADIATOR TANK
RADIATOR WATER INLET
O-RING
6 (61, 4)
x 2
NO. 2 RADIATOR SUPPORT
x 2
RADIATOR SUPPORT LOWER
O-RING
DRAIN PLUG
x 2
12.7 (130, 112 in.*lbf)
N*m (kgf*cm, ft.*lbf) : Specified torque
Non-reusable part
P
A162783E01



ON-VEHICLE INSPECTION

1. CHECK RADIATOR RESERVOIR CAP SUB-ASSEMBLY

(a) Measure the valve opening pressure.

(1) If there are water stains or foreign matter on rubber packings 1, 2 or 3, clean the part(s) with water and finger scouring.

(2) Check that rubber packings 1, 2 and 3 are not deformed, cracked or swollen.

(3) Check that rubber packings 3 and 4 are not stuck together.

(4) Apply engine coolant to rubber packings 2 and 3 before using the radiator cap tester.

(5) When using the cap tester, tilt it to 30° or more above the horizontal.

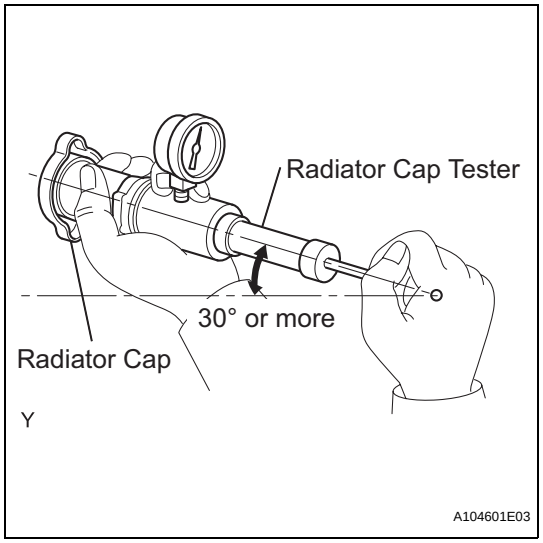
(6) Pump the cap tester several times, and check the maximum pressure*.

Pump speed:

1 pump per second

*: Even if the cap cannot maintain the maximum pressure, it is not a defect.

Judgment criterion



Item	Specified Condition
Standard value (for brand-new cap)	93.3 to 122.7 kPa (0.95 to 1.25 kgf/cm^2, 13.5 to 17.8 psi)
Minimum standard value (for used cap)	78.5 kPa (0.8 kgf/cm^2, 11.4 psi)

If the maximum pressure is less than the minimum standard value, replace the radiator reservoir cap sub-assembly.

ON-VEHICLE CLEANING

1. INSPECT RADIATOR ASSEMBLY

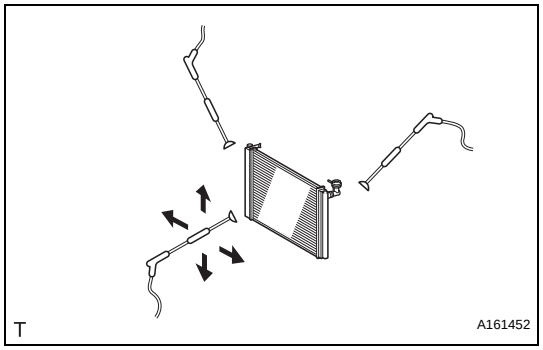
(a) Check that the radiator and condenser are not blocked with leaves, dirt, or insects. Clean the hose connections.

If the fins are blocked, wash them with water or a steam cleaner.

NOTICE:

- **If the distance between the steam cleaner and core is too close, the fins may be damaged.**
- **Keep the following injection distance.**

Standard injection distance



Injection Pressure	Specified Condition
2942 to 4903 kPa (30 to 50 kgf/cm^2, 427 to 711 psi)	300 mm (11.81 in.)
4903 to 7845 kPa (50 to 80 kgf/cm^2, 711 to 1138 psi)	500 mm (19.69 in.)

- **If the fins are bent, straighten them with a screwdriver or pliers.**
- **Never apply water directly onto the electronic components.**

(b) Dry the fins with compressed air.