TOYOTA SERVICE BULLETIN

Group: 02 No.: 04 Date: Oct, 12

Prado

Corrections to Repair Manual RM00W3E

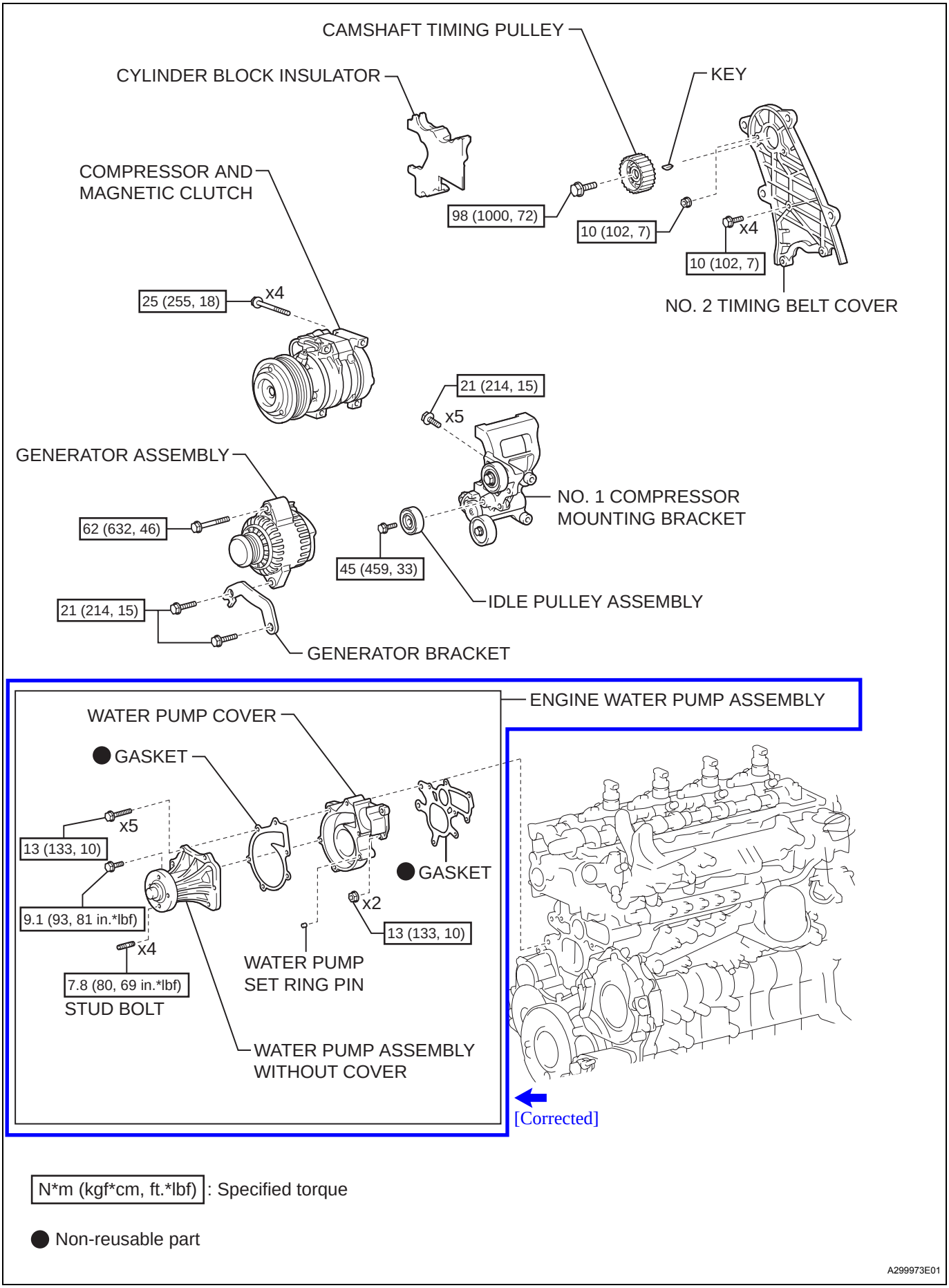
Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
1KD-FTV COOLING	WATER PUMP	COMPONENTS
		REMOVAL
		INSTALLATION

The revised pages listed above are attached.
(The corrected parts are indicated by arrows.)

This Bulletin does not cause the Flat Rate Manual to be changed.

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35. REMOVE NO. 1 TIMING BELT COVER

(a) Remove the No. 1 timing belt cover (see Pub. No. RM990E, page 14-214).

36. REMOVE TIMING BELT

(a) Remove the timing belt (see Pub. No. RM990E, page 14-214).

37. REMOVE CAMSHAFT TIMING PULLEY

(a) Remove the camshaft timing pulley (see Pub. No. RM1151E, page 14-219).

38. REMOVE NO. 1 TIMING BELT IDLER SUB-ASSEMBLY

(a) Remove the No. 1 timing belt idler sub-assembly (see Pub. No. RM1151E, page 14-219).

39. REMOVE NO. 2 TIMING BELT COVER

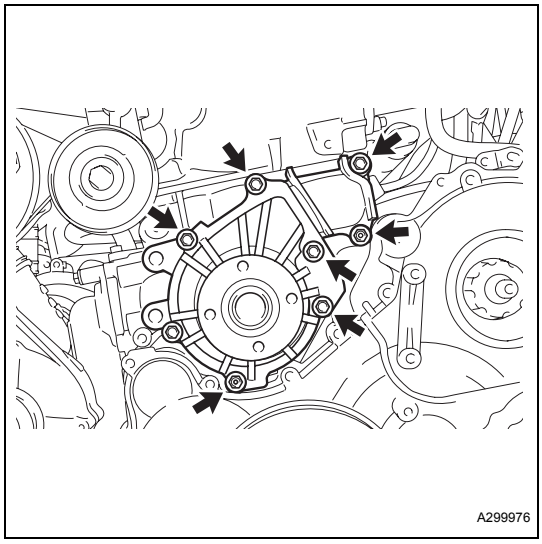
(a) Remove the No. 2 timing belt cover (see Pub. No. RM1151E, page 14-219).

[Corrected]

40. REMOVE CYLINDER BLOCK INSULATOR

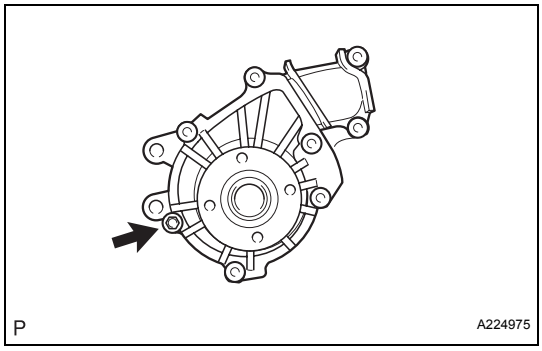
41. REMOVE ENGINE WATER PUMP ASSEMBLY

(a) Remove the 2 nuts, 5 bolts, engine water pump assembly and the gasket from the cylinder block sub-assembly.



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(b) Remove the bolt, water pump assembly without cover and the gasket from the water pump cover.



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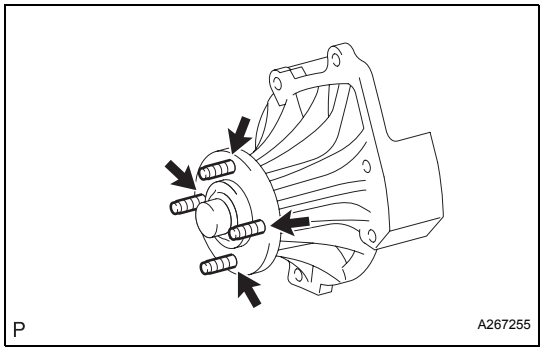
42. REPLACE STUD BOLT

HINT:

Perform this procedure only when replacement of the stud bolts is necessary.

[Added]

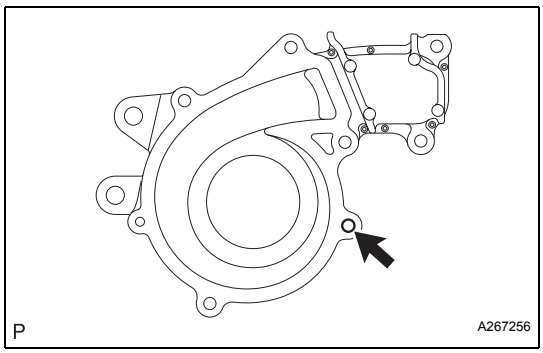
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(a) Remove the 4 stud bolts from the water pump assembly without cover.
(b) Install the 4 stud bolts to the water pump assembly without cover.
Torque: 7.8 N*m (80 kgf*cm, 69 in.*lbf)

43. REPLACE WATER PUMP SET RING PIN

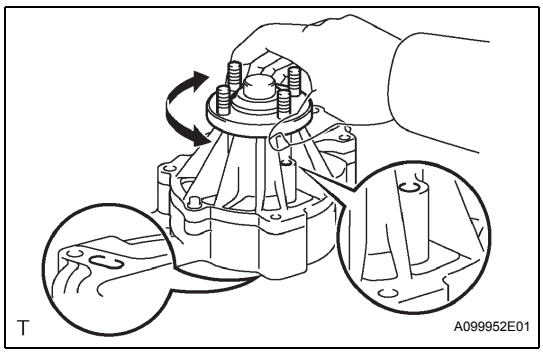
HINT:
Perform this procedure only when replacement of the water pump set ring pin is necessary.



(a) Remove the water pump set ring pin from the water pump cover.
(b) Using a plastic-faced hammer, tap in the water pump set ring pin to the water pump cover.

[Added]

INSPECTION



1. INSPECT WATER PUMP ASSEMBLY

(a) Visually check the water hole and air hole for coolant leakage.
If leakage is found, replace the water pump assembly.
(b) Turn the pulley, and check that the pump bearing moves smoothly and quietly.
If it moves roughly or noisily, replace the water pump assembly.

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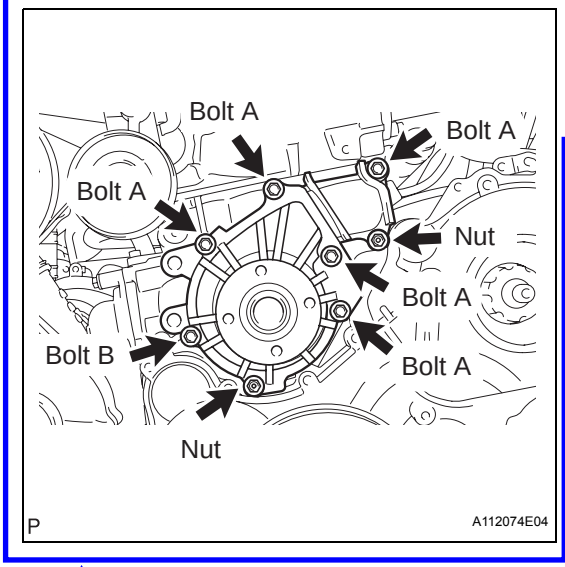
INSTALLATION

[Corrected]

1. INSTALL ENGINE WATER PUMP ASSEMBLY

(a) Temporarily install a new gasket and the water pump assembly without cover to the water pump cover with the bolt.
(b) Temporarily install a new gasket and the engine water pump assembly to the cylinder block sub-assembly with the 2 nuts and 5 bolts.

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[Corrected]

(c) Fully tighten the 5 bolts A and the 2 nuts.
Torque: 13 N*m (133 kgf*cm, 10 ft.*lbf)
(d) Fully tighten the bolt B.
Torque: 9.1 N*m (93 kgf*cm, 81 in.*lbf)

2. **INSTALL CYLINDER BLOCK INSULATOR**
3. **INSTALL NO. 2 TIMING BELT COVER**
   (a) Install the No. 2 timing belt cover (see Pub. No. RM1151E, page 14-222).
4. **INSTALL NO. 1 TIMING BELT IDLER SUB-ASSEMBLY**
   (a) Install the No. 1 timing belt idler sub-assembly (see Pub. No. RM1151E, page 14-222).
5. **INSTALL CAMSHAFT TIMING PULLEY**
   (a) Install the camshaft timing pulley (see Pub. No. RM1151E, page 14-222).
6. **INSTALL TIMING BELT**
   (a) Install the timing belt (see Pub. No. RM990E, page 14-216).
7. **INSTALL CYLINDER HEAD COVER SUB-ASSEMBLY (See page)**
8. **INSTALL VENTILATION PIPE (See page)**
9. **INSTALL NO. 4 INJECTION PIPE SUB-ASSEMBLY (See page)**
10. **INSTALL MANIFOLD STAY WITH VACUUM SWITCHING VALVE (See page)**
11. **TEMPORARILY INSTALL ELECTRIC EGR CONTROL VALVE WITH NO. 2 EGR VALVE AND EGR COOLER (See page)**
12. **INSTALL NO. 2 INTAKE AIR CONNECTOR (See page)**
13. **TEMPORARILY INSTALL INTAKE AIR CONNECTOR (See page)**
14. **TIGHTEN NO. 2 INTAKE AIR CONNECTOR AND INTAKE AIR CONNECTOR (See page)**
15. **TIGHTEN INTAKE AIR CONNECTOR AND INTAKE MANIFOLD (See page)**
16. **TIGHTEN EGR COOLER (See page)**
17. **INSTALL ELECTRIC VACUUM REGULATING VALVE ASSEMBLY (See page)**
18. **INSTALL WIRE HARNESS BRACKET (See page)**
19. **INSTALL VANE PUMP OIL RESERVOIR ASSEMBLY (See page)**
20. **INSTALL WATER HOSE SUB-ASSEMBLY (for Cold Area Specification Vehicles) (See page)**
21. **INSTALL VENTURI BRACKET (See page)**

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