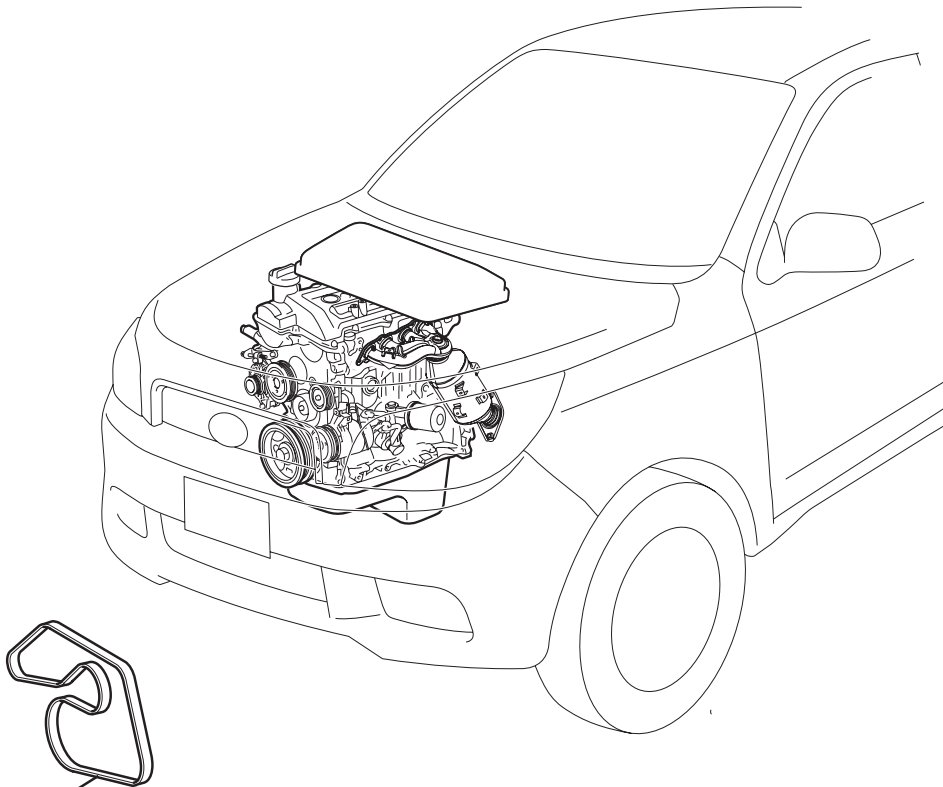


# FAN AND ALTERNATOR V BELT (3SZ-VE)

## COMPONENTS

**EM**

FAN AND ALTERNATOR V BELT



## REMOVAL

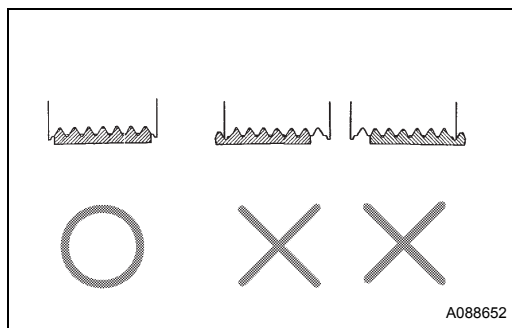
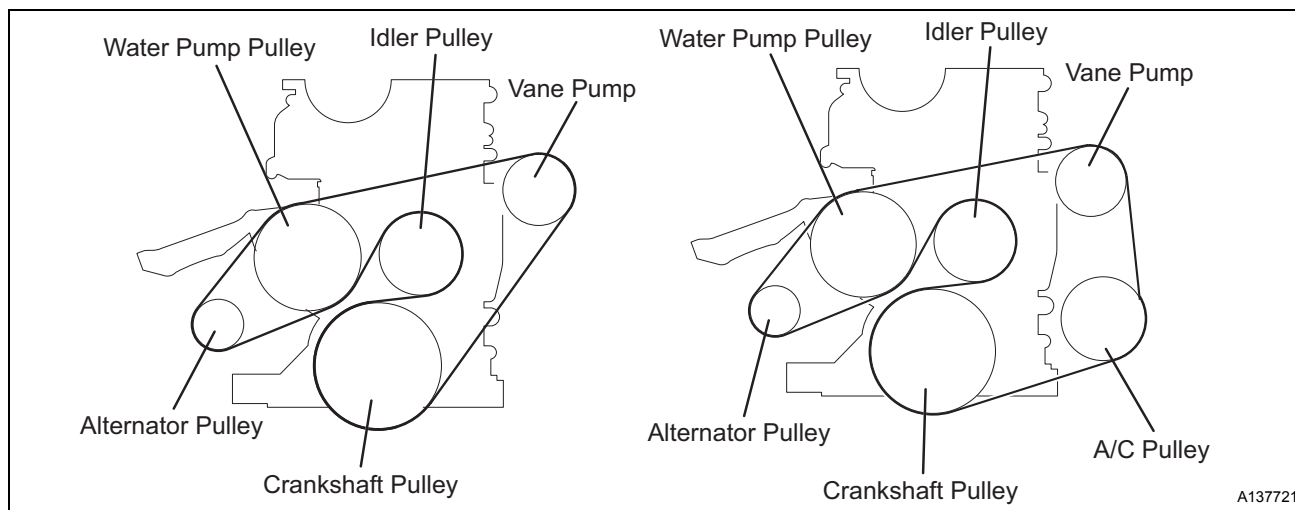
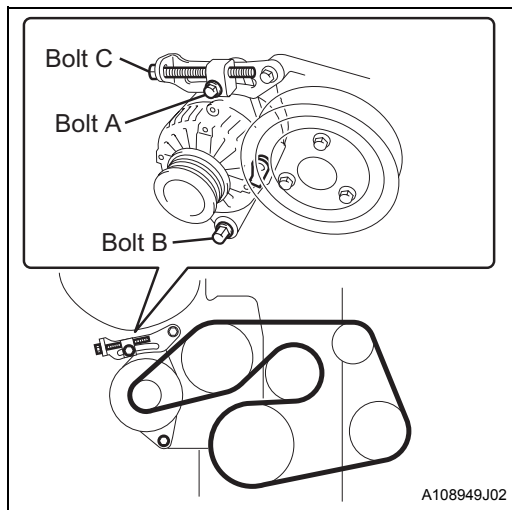
### 1. REMOVE FAN AND ALTERNATOR V BELT

- Loosen the alternator fixing bolt (B).
- Loosen the adjusting bar fixing bolt (A).
- Rotate the adjusting bolt (C) of the adjusting bar to reduce the tension.
- Remove the fan and alternator V belt.

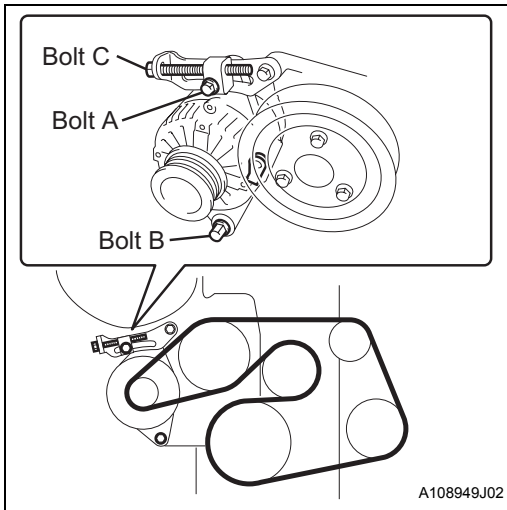
## INSTALLATION

### 1. INSTALL FAN AND ALTERNATOR V BELT

- Temporarily install the fan and alternator V belt to each pulley as shown in the illustration.



- Check that the fan and alternator V belt is correctly installed to each pulley.



## 2. ADJUST FAN AND ALTERNATOR V BELT

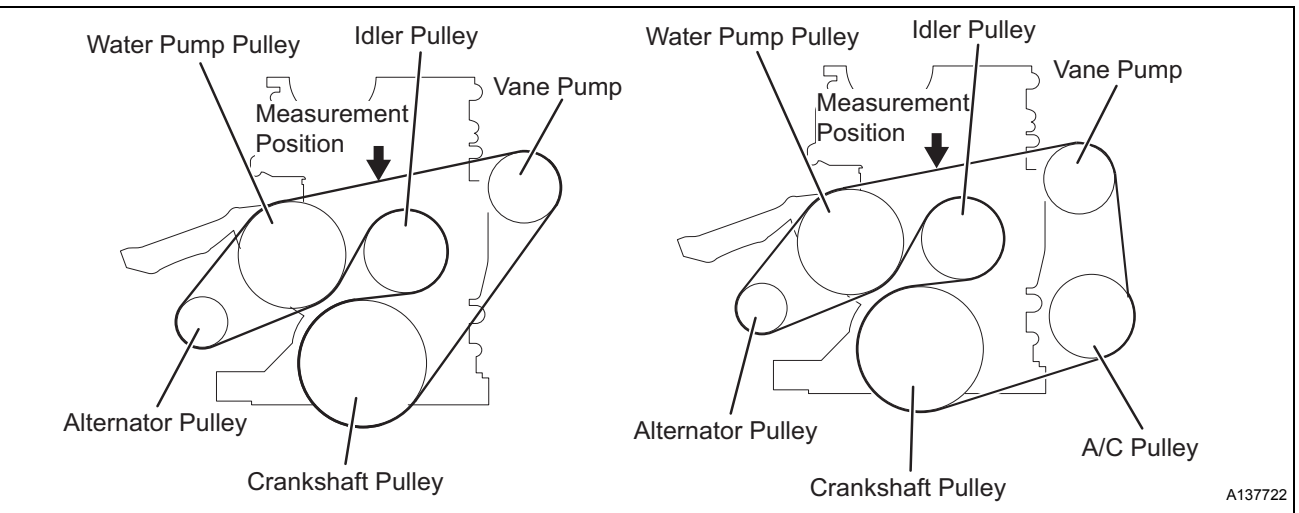
- Rotate adjusting bolt C to adjust the fan and alternator V belt tension.
- Tighten fixing bolts A and B.

**Torque: 19 N\*m (194 kgf\*cm) (Bolt A)**

**44 N\*m (449 kgf\*cm) (Bolt B)**

## 3. CHECK FAN AND ALTERNATOR V BELT

- Check there is no cracks, deterioration or significant wear on the fan and alternator V belt.



- Check the tension of the fan and alternator V belt using a belt tension gauge.

**HINT:**

The deflection of the fan and alternator V belt is also available to check the tension.

	When Installing New Part	When Inspecting
Tension [N (kgf)]	883±49{90±5}	441±98{45±10}
Deflection (mm) [100 N (10.2 kgf)]	9-11	13-15

**HINT:**

- Measure the belt deflection when the belt is pressed between the water pump pulley and the idle pulley at a strength of 100 N (10.2 kgf) and then measure the belt deflection.
- When measuring the tension after installing the belt, crank 2 times in the direction that the engine rotates.
- To replace the belt with a new one, adjust the belt so that the value is at the middle of the specified value given for WHEN INSTALLING NEW PART in the table above.
- For the belt that has been used for 5 minutes or more, check that the tension is within the specified value in WHEN INSPECTION in the table above.

- To assemble the belt that has been used for 5 minutes or more, adjust the belt so that the tension is in the middle of the specified value given for WHEN INSPECTING in the table above.

**EM**