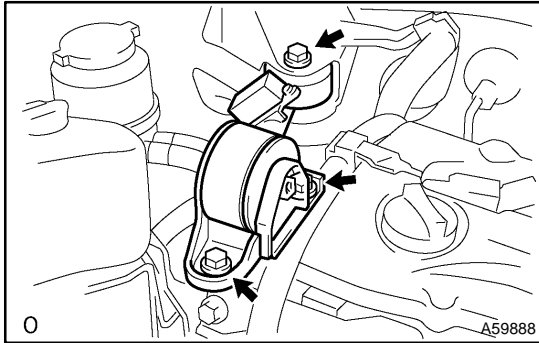


## TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL (2AZ-FE)(From July, 2003)

141J0-01

### REPLACEMENT

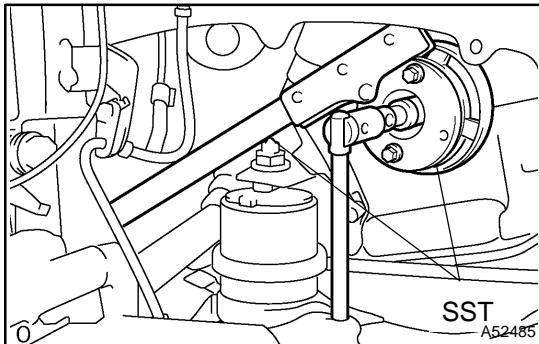
1. REMOVE FRONT WHEEL RH
2. REMOVE FRONT FENDER APRON SEAL RH
3. REMOVE ENGINE COVER SUB-ASSY NO.1



#### 4. REMOVE ENGINE MOVING CONTROL ROD W/BACKET

- (a) Remove the 3 bolts and control rod.

5. REMOVE ENGINE MOUNTING STAY NO.2 RH
6. REMOVE ENGINE MOUNTING BRACKET NO.2 RH
7. REMOVE FAN AND GENERATOR V BELT (See page14-5)



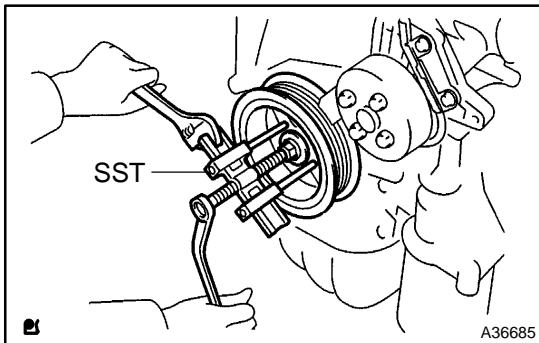
#### 8. REMOVE CRANKSHAFT PULLEY

- (a) TMC made:

Remove the crankshaft pulley.

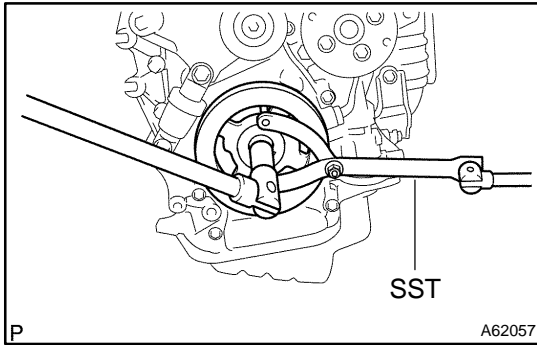
- (1) Using SST, loosen the pulley bolt.

SST 09213-54015 (91651-60855), 09330-00021



- (2) Using SST, remove the pulley bolt and pulley.

SST 09950-50013 (09951-05010, 09952-05010,  
09953-05020, 09954-05021)

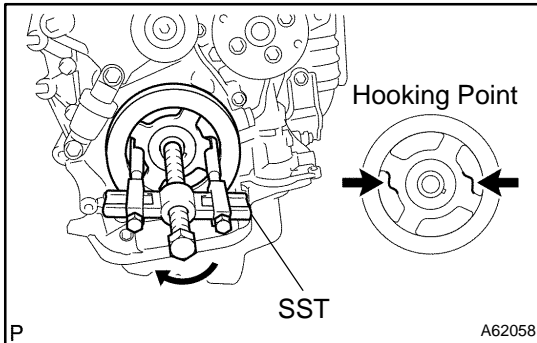


(b) TMMK made:

Remove the crankshaft pulley.

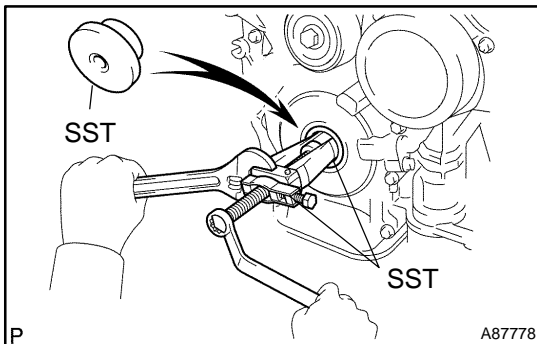
(1) Using SST, loosen the pulley bolt.

SST 09960-10010 (09962-01000, 09963-01000)



(2) Using SST, remove the crankshaft pulley.

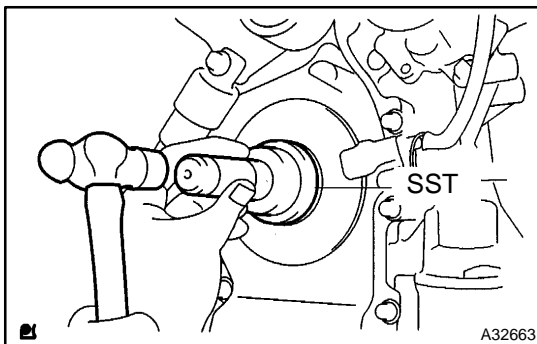
SST 09950-40011 (09951-04010, 09952-04010, 09953-04030, 09954-04010, 09955-04041, 09957-04010, 91111-51014)



## 9. REMOVE TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL

(a) Using SST, remove the oil seal.

SST 09308-10010, 09950-60010 (09951-00200)



## 10. INSTALL TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL

(a) Apply MP grease to a new oil seal lip.

**NOTICE:**

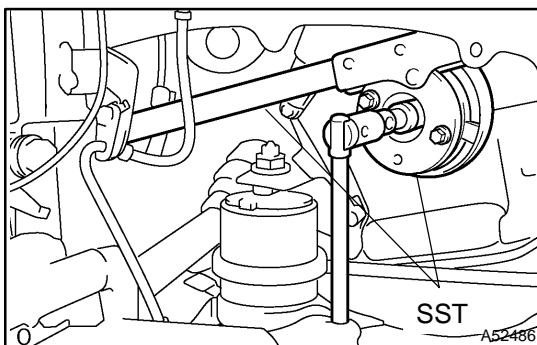
**Keep the lip free from foreign matter.**

(b) Using SST and a hammer, tap in the oil seal until its surface is flush with the rear oil seal retainer edge.

SST 09223-22010

**NOTICE:**

**Wipe off extra grease from the crankshaft.**



## 11. INSTALL CRANKSHAFT PULLEY

(a) TMC made:

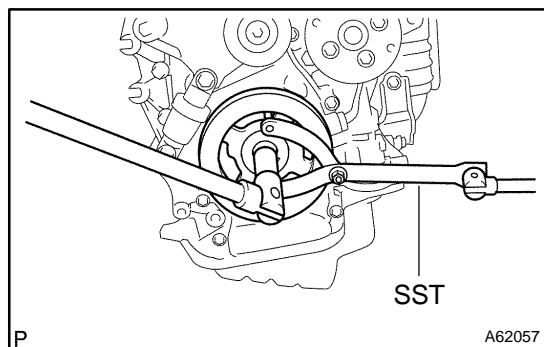
Install the crankshaft pulley.

(1) Align the pulley set key with the key groove of the pulley.

(2) Using SST, install the pulley bolt.

SST 09213-54015 (91651-60855), 09330-00021, 09960-10010 (09962-01000, 09963-01000)

**Torque: 170 N·m (1,733 kgf·cm, 125 ft·lbf)**



- (b) TMMK made:  
Install the crankshaft pulley.
- (1) Align the pulley set key with the key groove of the pulley.
  - (2) Using SST, install the pulley bolt.
- SST 09960-10010 (09962-01000, 09963-01000)  
Torque: 170 N·m (1,733 kgf·cm, 125 ft·lbf)

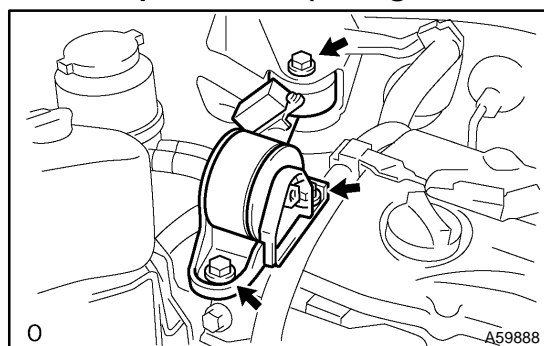
12. INSTALL FAN AND GENERATOR V BELT (See page 14-5)

13. INSTALL ENGINE MOUNTING BRACKET NO.2 RH

Torque: 52 N·m (531 kgf·cm, 38 ft·lbf)

14. INSTALL ENGINE MOUNTING STAY NO.2 RH

Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)



15. INSTALL ENGINE MOVING CONTROL ROD W/BRACKET

- (a) Install the control rod with the 3 bolts.  
Torque: 64 N·m (653 kgf·cm, 47 ft·lbf)

16. INSTALL FRONT WHEEL RH

17. CHECK FOR ENGINE OIL LEAKS