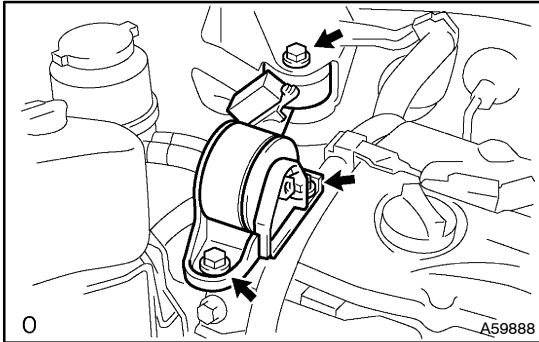


TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL (1AZ-FE) REPLACEMENT

140IW-01

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

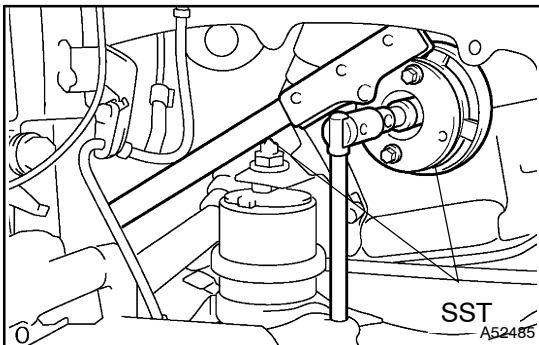


4. REMOVE ENGINE MOVING CONTROL ROD W/BRACKET

- (a) Remove the 3 bolts and engine moving control rod w/ bracket.

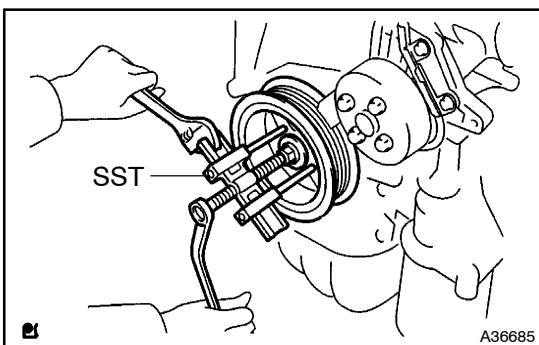
5. REMOVE ENGINE MOUNTING STAY NO.2 RH
6. REMOVE ENGINE MOUNTING BRACKET NO.2 RH
7. REMOVE FAN AND GENERATOR V BELT

SST 09249-63010

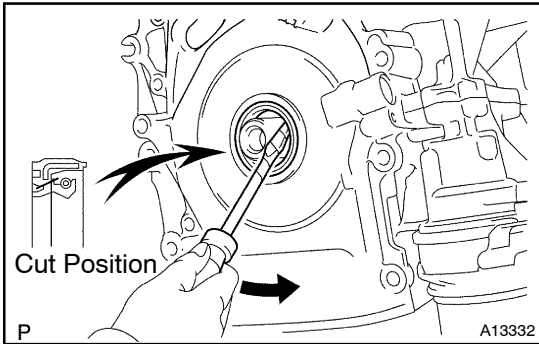


8. REMOVE CRANKSHAFT PULLEY

- (a) Using SST, loosen the pulley bolt.
SST 09213-54015 (91651-60855), 09330-00021



- (b) Using SST, remove the crankshaft pulley.
SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)

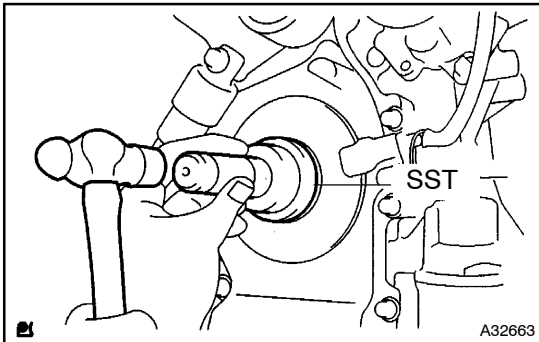


9. REMOVE TIMING GEAR CASE OR TIMING CHAIN CASE OIL SEAL

- (a) Using a knife, cut off the oil seal lip.
- (b) Using a screwdriver with tapering tip, pry out the oil seal.

HINT:

After the removal, check if the crankshaft is not damaged.
If there is, mend it with a sandpaper (#400).



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

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

NOTICE:

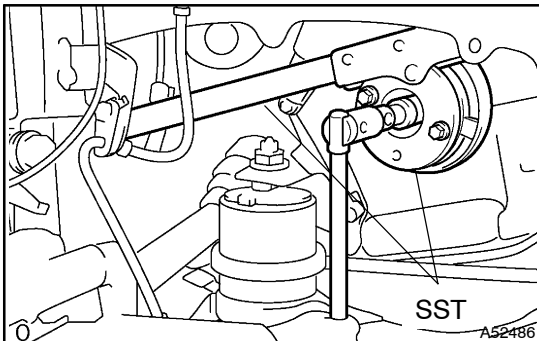
Keep the lip off foreign materials.

- (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 on the crankshaft.



11. INSTALL CRANKSHAFT PULLEY

- (a) Align the pulley set key with the key groove of the pulley.
- (b) Using SST, install the pulley bolt.

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

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

12. INSTALL FAN AND GENERATOR V BELT

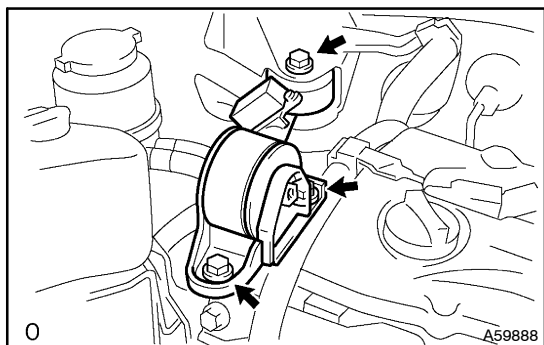
SST 09249-63010

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/BACKET**

- (a) Install the engine moving control rod w/bracket with 3 bolts.

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

16. INSTALL FRONT WHEEL RH

Torque: 103 N·m (1,050 kgf·cm, 76 ft·lbf)

17. INSPECT OIL LEAK