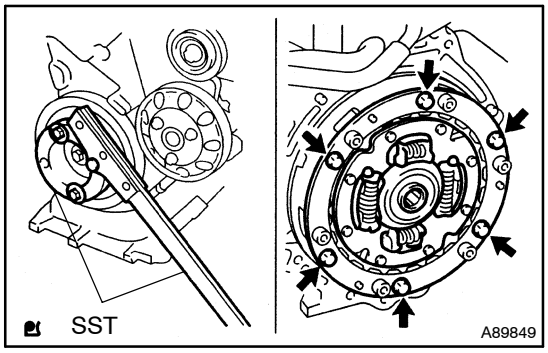
ENGINE REAR OIL SEAL (1NZ–FXE)

141OF–01

REPLACEMENT

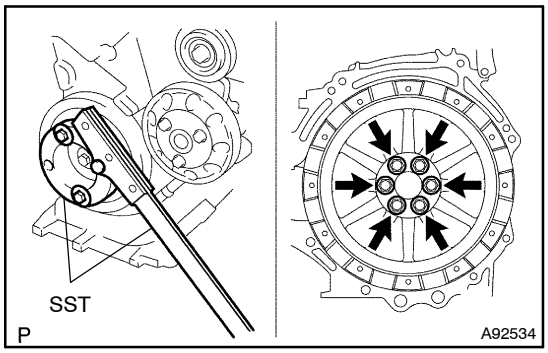
1. REMOVE HYBRID VEHICLE TRANSAXLE ASSY (See page 22–11)



2. REMOVE TRANSMISSION INPUT DAMPER ASSY

(a) Using SST, hold the crankshaft.
SST 09213–58013 (91111–50845), 09330–00021

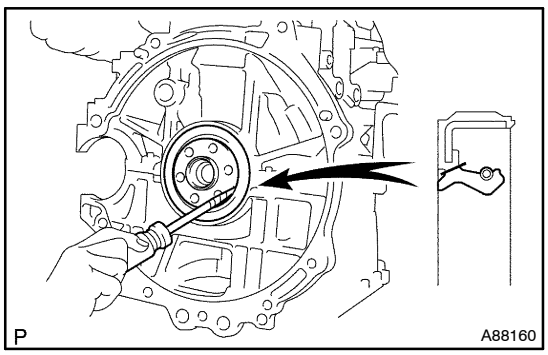
(b) Remove the 6 bolts, then remove the input damper and input damper cover.



3. REMOVE FLYWHEEL SUB–ASSY

(a) Using SST, hold the crankshaft.
SST 09213–58013 (91111–50845), 09330–00021

(b) remove the 6 bolts and flywheel.



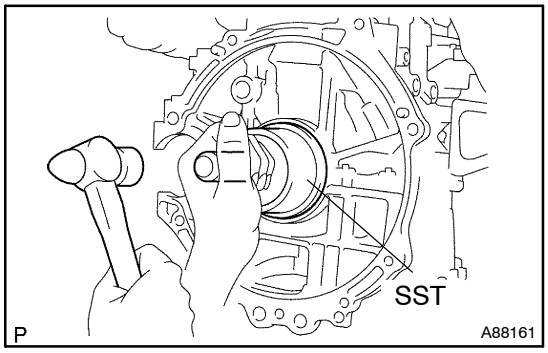
4. REMOVE ENGINE REAR OIL SEAL

(a) Using a cutter knife, cut off the lip of the oil seal.

(b) Using a screwdriver with its tip wrapped in tape, pry out the oil seal to remove.

NOTICE:

Check theat the crankshaft is not damaged after removing the oil seal. If damaged, smooth the surface with 400–grit sandpaper.



5. INSTALL ENGINE REAR OIL SEAL

(a) Apply a light coat of multipurpose grease No. 2 to the lip of a new oil seal.

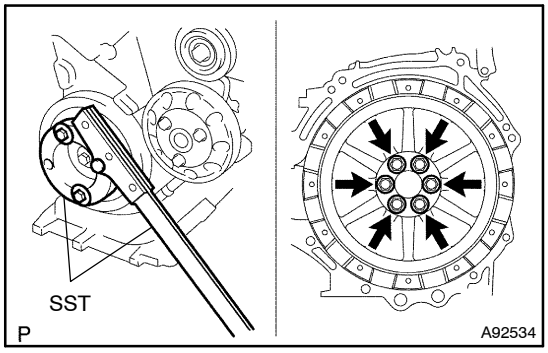
NOTICE:

Keep the lip free of foreign objects.

(b) Using SST, uniformly tap in the oil seal until its surface is flush with the cylinder block edge.
SST 09223–56010

NOTICE:

- **Be careful not to tap the oil seal at an angle.**
- **Wipe off extra grease on the crankshaft.**



6. INSTALL FLYWHEEL SUB–ASSY

(a) Apply adhesive to the 2 or 3 threads of the bolt end.
Adhesive:
Part No. 08833–00070, THREE BOND 1324, or equivalent

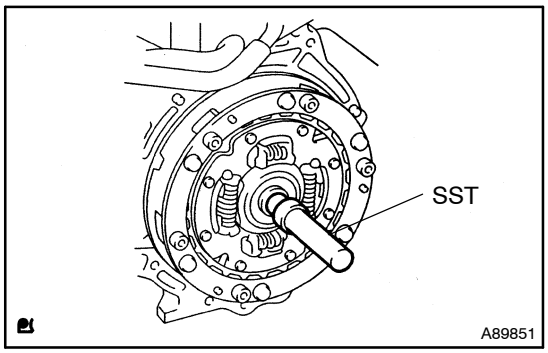
NOTICE:
Remove any oil from the bolts and bolt holes.

(b) Using SST, hold the crankshaft.
SST 09213–58013 (91111–50845), 09330–00021

(c) Install the flywheel with the 6 bolts.
Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)

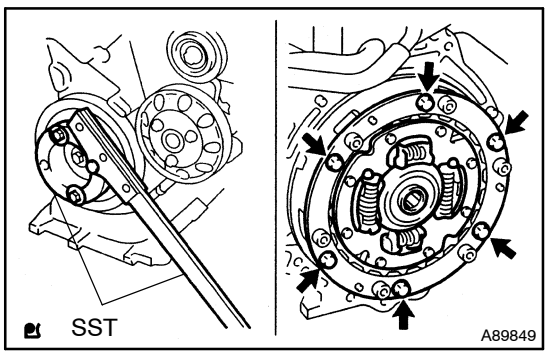
(d) After tightening the bolts with the specified torque, tighten each bolt by more 90°.

NOTICE:
Do not start the engine within 1 hour of installation.



7. INSTALL TRANSMISSION INPUT DAMPER ASSY

(a) Using SST, align the hole of the input damper. Then temporarily tighten the input damper cover with the 6 bolts.
SST 09301–00210



(b) Using SST, hold the crankshaft.
SST 09213–58013 (91111–50845), 09330–00021
Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

8. INSTALL HYBRID VEHICLE TRANSAXLE ASSY (See page 22–11)