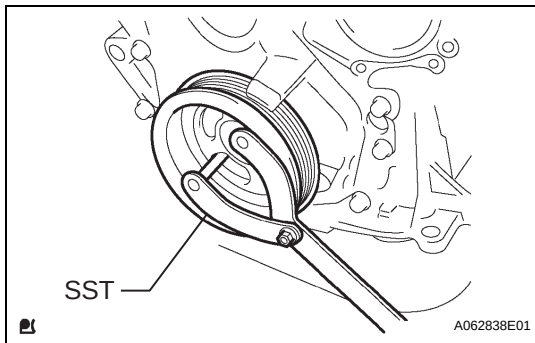
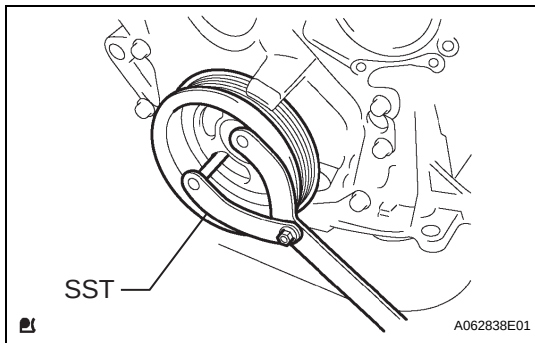
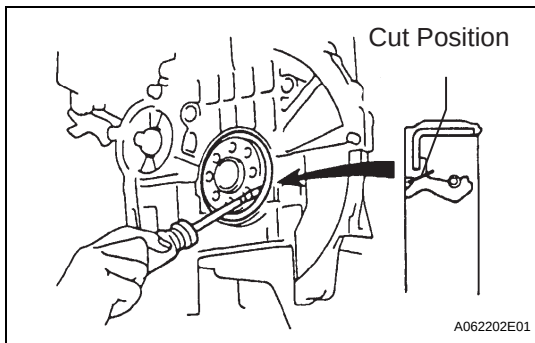


REMOVAL

1. **REMOVE MANUAL TRANSAXLE ASSEMBLY (for Manual Transaxle)**
 - (a) Remove the manual transaxle assembly (See page [MX-19](#)).
2. **REMOVE AUTOMATIC TRANSAXLE ASSEMBLY**
 - (a) Remove the automatic transaxle assembly (See page [AX-125](#)).
3. **REMOVE CLUTCH COVER ASSEMBLY (for Manual Transaxle)**
 - (a) Remove the clutch cover assembly (See page [CL-18](#)).
4. **REMOVE CLUTCH DISC ASSEMBLY (for Manual Transaxle)**
 - (a) Remove the clutch disc assembly (See page [CL-18](#)).
5. **REMOVE FLYWHEEL SUB-ASSEMBLY (for Manual Transaxle)**
 - (a) Using SST, hold the crankshaft.
SST 09960-10010 (09962-01000, 09963-01000)
 - (b) Remove the 8 bolts and flywheel.



6. **REMOVE DRIVE PLATE & RING GEAR SUB-ASSEMBLY (for Automatic Transaxle)**
 - (a) Using SST, hold the crankshaft.
SST 09960-10010 (09962-01000, 09963-01000)
 - (b) Remove the 8 bolts and drive plate & ring gear.



7. **REMOVE ENGINE REAR OIL SEAL**
 - (a) Using a knife, cut off the oil seal lip.
 - (b) Using a screwdriver with its tip wrapped with tape, pry out the oil seal.

NOTICE:
After removing, check the crankshaft for damage. If damaged, smooth the surface with 400-grit sandpaper.

INSTALLATION

1. INSTALL ENGINE REAR OIL SEAL

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

NOTICE:

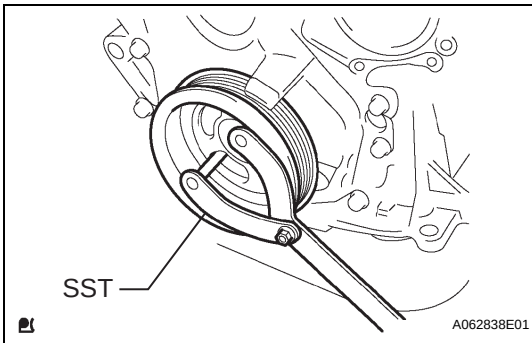
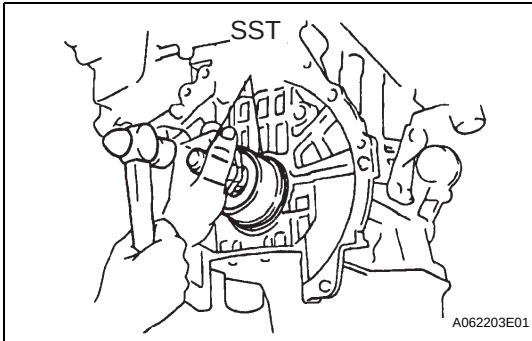
Keep the lip free of foreign objects.

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

SST 09223-15020, 09950-70010 (09951-07100)

NOTICE:

- Tap the oil seal in a vertical position.
- Wipe off extra grease on the crankshaft.



2. INSTALL DRIVE PLATE & RING GEAR SUB-ASSEMBLY (for Automatic Transaxle)

- (a) Using SST, hold the crankshaft.

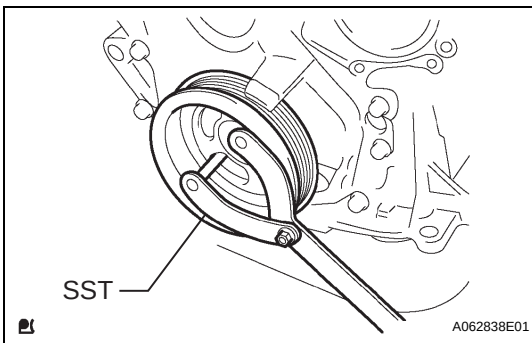
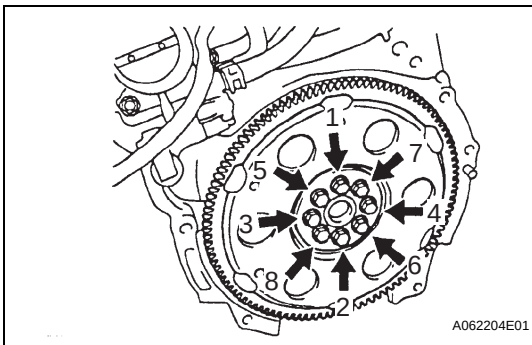
SST 09960-10010 (09962-01000, 09963-01000)

- (b) Clean the 8 bolts and 8 bolt holes.
(c) Apply adhesive to 2 or 3 threads of the 8 bolts.

Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

- (d) Using several steps, install and tighten the 8 bolts uniformly in the sequence shown in the illustration.
Torque: 88 N*m (897 kgf*cm, 65 ft.*lbf)



3. INSTALL FLYWHEEL SUB-ASSEMBLY (for Manual Transaxle)

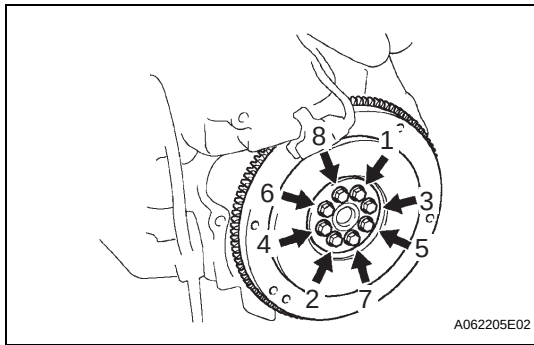
- (a) Using SST, hold the crankshaft.

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

- (b) Clean the 8 bolts and 8 bolt holes.
(c) Apply adhesive to 2 or 3 threads of the 8 bolts.

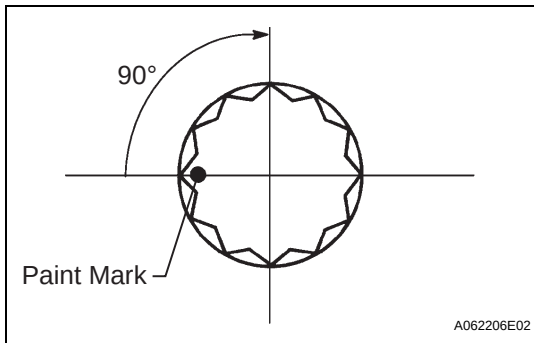
Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent



- (d) Using several steps, uniformly install and tighten the 8 bolts in the sequence shown in the illustration (Procedure "A").

Torque: 49 N*m (500 kgf*cm, 36 ft.*lbf)



- (e) Mark the bolts with paint as shown in the illustration.
 (f) Retighten the bolts 90° in the same sequence as procedure "A".
 (g) Check that the paint marks of each bolt are at a 90° angle from the original position.

4. INSTALL CLUTCH DISC ASSEMBLY (for Manual Transaxle)

- (a) Install the clutch disc assembly (See page [CL-19](#)).
SST 09301-00210

5. INSTALL CLUTCH COVER ASSEMBLY (for Manual Transaxle)

- (a) Install the clutch cover assembly (See page [CL-19](#)).

6. INSTALL MANUAL TRANSAXLE ASSEMBLY (for Manual Transaxle)

- (a) Install the manual transaxle assembly (See page [MX-23](#)).

7. INSTALL AUTOMATIC TRANSAXLE ASSEMBLY

- (a) Install the automatic transaxle assembly (See page [AX-130](#)).