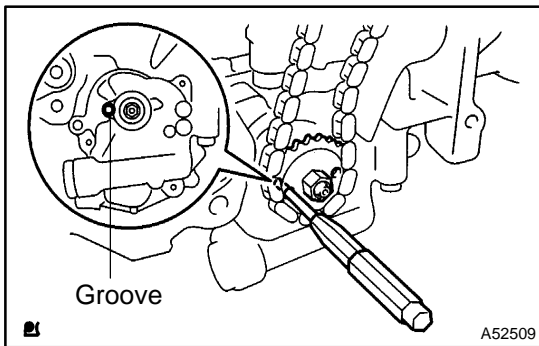
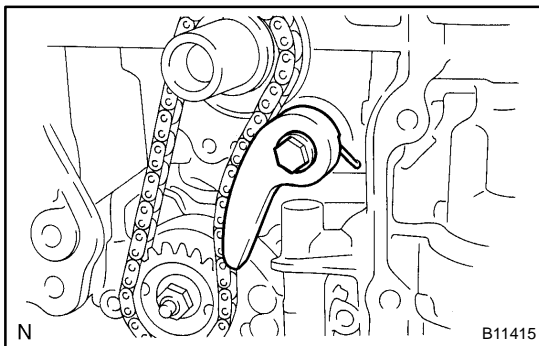


35. REMOVE NO.2 CHAIN SUB-ASSY

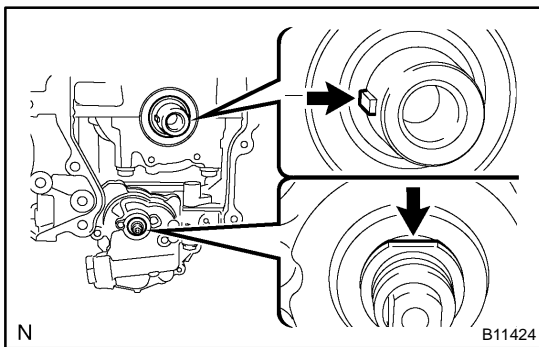
- (a) Turn the crankshaft counterclockwise 90°, and align an adjusting hole of the oil pump drive shaft gear with the groove of the oil pump.



- (b) Put a bar (φ4mm) in the adjusting hole of the oil pump drive shaft gear to lock in position, and remove a nut.

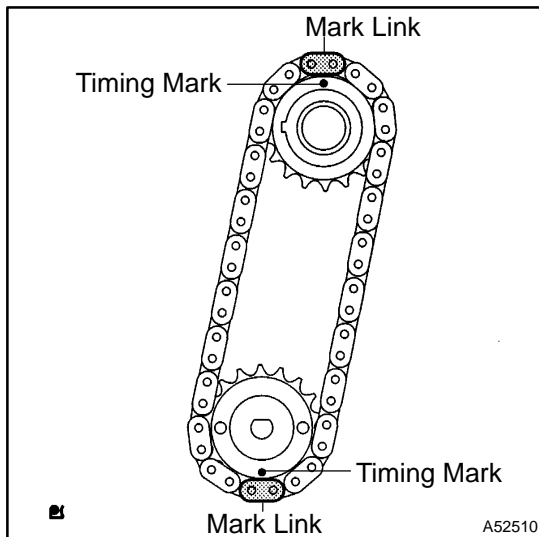


- (c) Remove the bolt, chain tensioner plate and spring.
- (d) Remove the chain tensioner, oil pump drive shaft gear and No.2 chain.

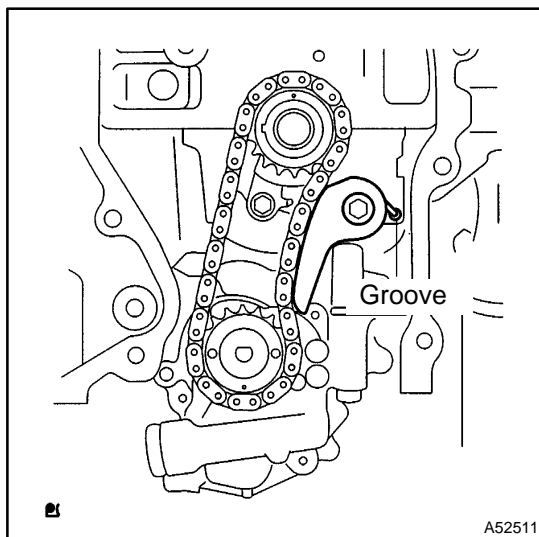


36. INSTALL NO.2 CHAIN SUB-ASSY

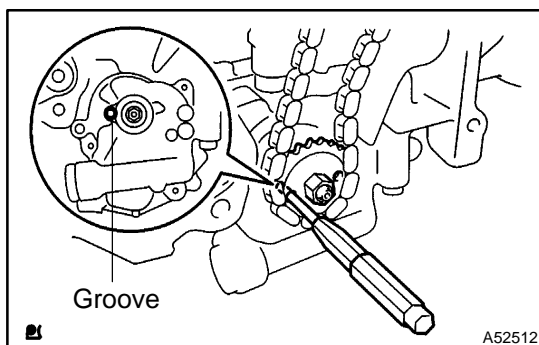
- (a) Set the crankshaft key into the left horizontal position.
- (b) Turn the cutout of the drive shaft to the top.



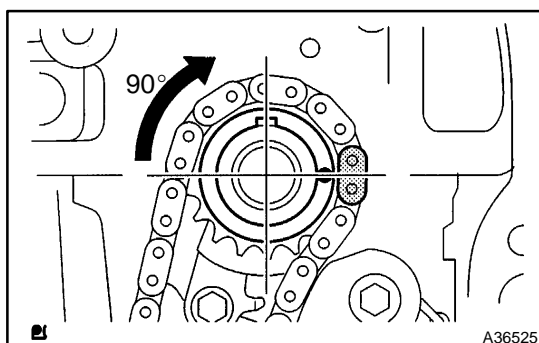
- (c) Align the mark links (yellow colored links) with the timing marks of the gear as shown in the illustration.
- (d) Insert the gears with chain to the crankshaft and oil pump shaft.
- (e) Temporarily tighten the oil pump drive shaft gear by a nut.



- (f) Inset the damper spring into the adjusting hole, and install the chain tensioner plate by a nut.
Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)



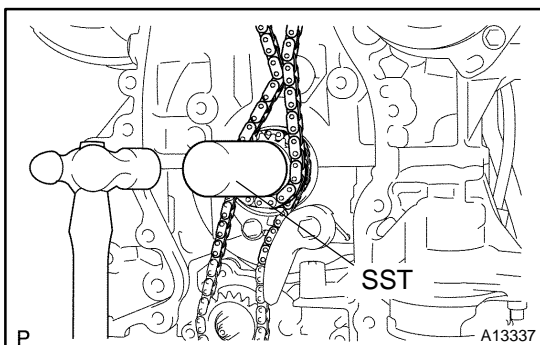
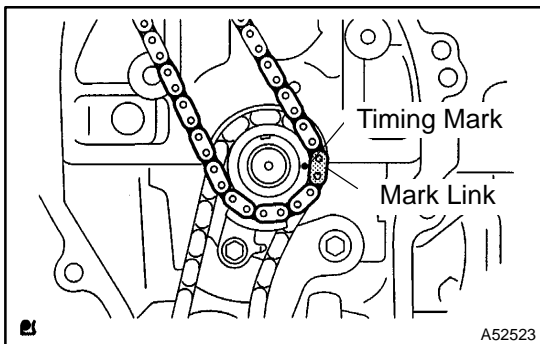
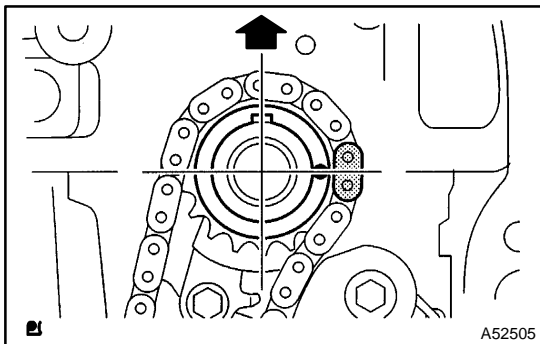
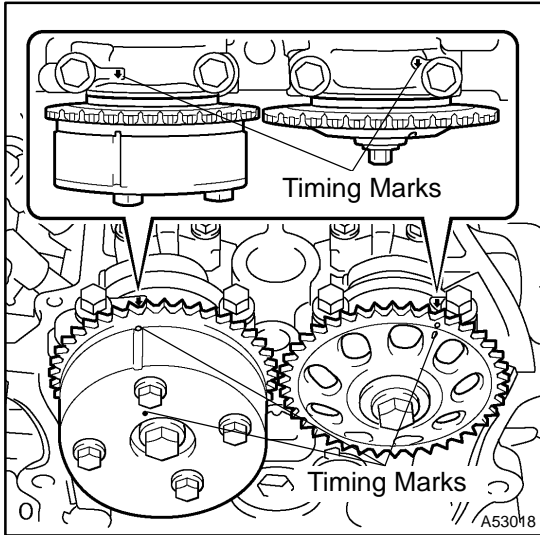
- (g) Align an adjusting hole of the oil pump drive shaft gear with the groove of the oil pump.
- (h) Put a bar ($\phi 4\text{mm}$) in the adjusting hole of the oil pump drive shaft gear to lock in position, and assemble a nut.
Torque: 30 N·m (301 kgf·cm, 22 ft·lbf)



- (i) Rotate the crankshaft counterclockwise 90° , and align the crankshaft key to the top.

37. INSTALL CHAIN VIBRATION DAMPER NO.1

Torque: 9.0 N·m (92 kgf·cm, 80 in.-lbf)



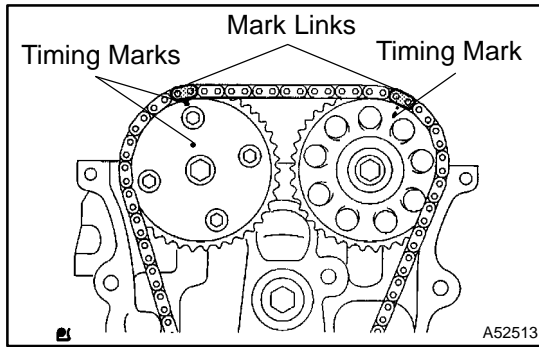
38. INSTALL CHAIN SUB-ASSY

- (a) Set No.1 cylinder to TDC/compression.
 - (1) Align the timing marks of the camshaft timing sprockets with No.1 bearing caps.

- (2) Using the crankshaft pulley bolt, turn the crankshaft and set the set key on the crankshaft upward.

- (b) Align the mark link (gold or orange colored link) with the timing mark of the crankshaft timing gear.

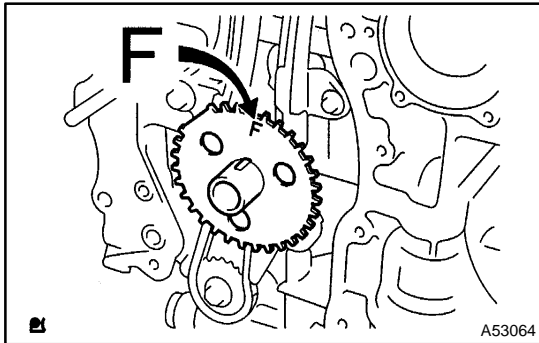
- (c) Using a SST, install the sprocket.
SST 09309-37010



- (d) Align the mark links (gold or yellow colored links) with the timing marks of the camshaft timing gear, and install the chain.

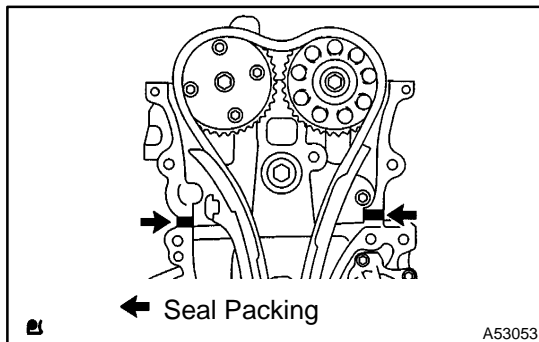
39. INSTALL CHAIN TENSIONER SLIPPER

Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)



40. INSTALL CRANKSHAFT POSITION SENSOR PLATE NO.1

- (a) Install the crankshaft position sensor plate the "F" mark facing forward.



41. INSTALL TIMING CHAIN OR BELT COVER SUB-ASSY

NOTICE:

- Remove any oil from the contact surface.
- Install the chain cover within 3 minutes after applying seal packing.
- Do not start the engine 2 hours after installing.

- (a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the timing chain cover, cylinder head and cylinder block.
- (b) Apply seal packing in the shape of bead (Diameter 2 mm (0.099 in.)) as shown in the illustration.

Seal packing: Part No. 08826-00080 or equivalent