EM158–03

REPLACEMENT

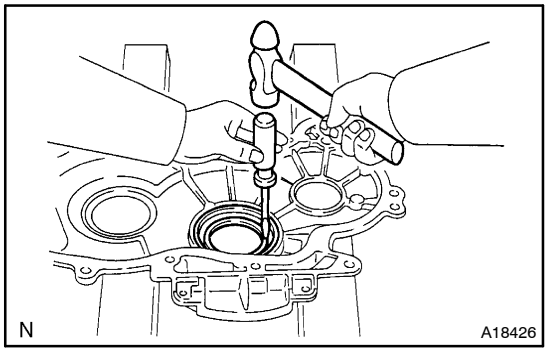
1. REPLACE CRANKSHAFT FRONT OIL SEAL

HINT:

there are 2 methods ((a) and (b)) to replace the oil seal.

(a) If the timing gear cover is removed from the cylinder block:

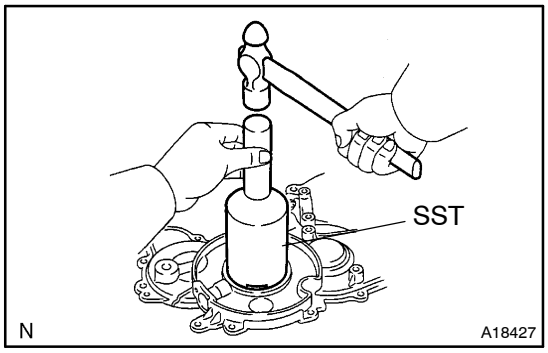
(1) Using a screwdriver and hammer, tap out the oil seal.



(2) Using SST and a hammer, tap in a new oil seal until its surface is flush with the timing gear cover edge.

SST 09214–76011

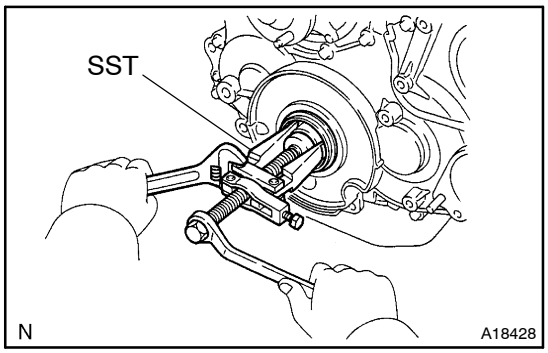
(3) Apply MP grease to a new oil seal lip.



(b) If the timing gear cover is installed to the cylinder block:

(1) Using SST, remove the oil seal.

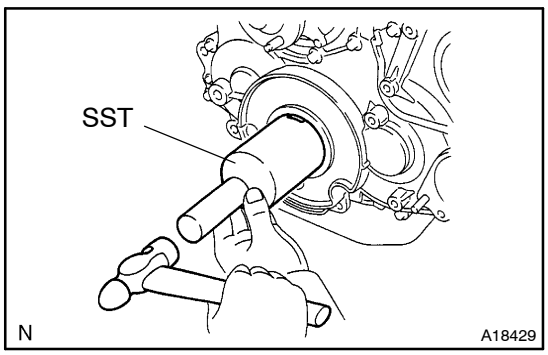
SST 09308–10010, 09950–40011 (09957–04010), 09950–60010 (09951–00350)



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

(3) Using SST and a hammer, tap in the oil seal until its surface is flush with the timing gear cover edge.

SST 09214–76011



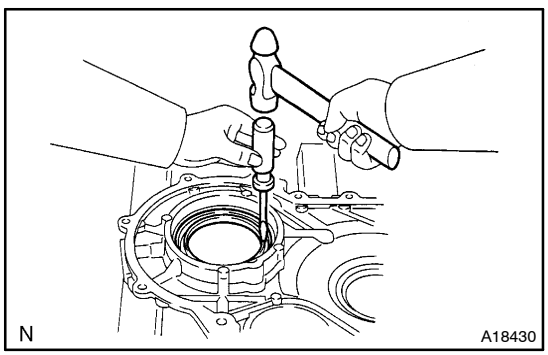
2. REPLACE SUPPLY PUMP DRIVE GEAR OIL SEAL

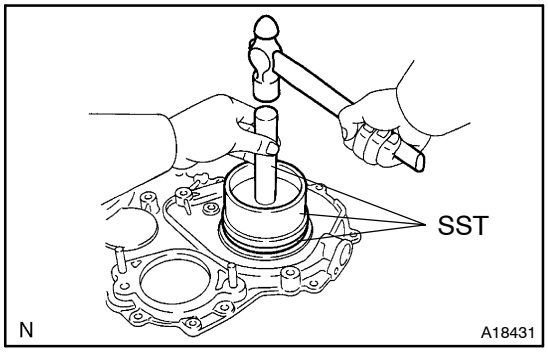
HINT:

there are 2 methods ((a) and (b)) to replace the oil seal.

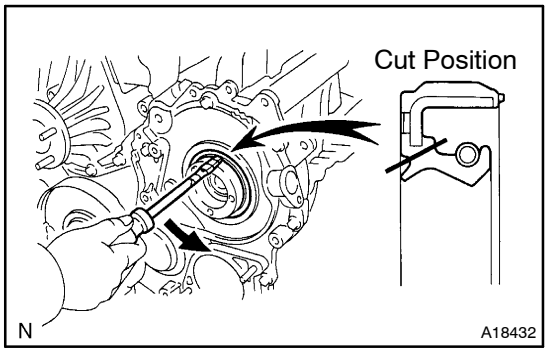
(a) If the timing gear cover is removed from the cylinder block:

(1) Using a screwdriver and hammer, tap out the oil seal.



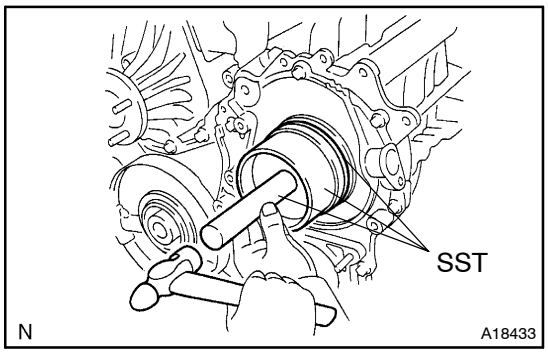


(2) Using SST and a hammer, tap in a new oil seal until its surface is flush with the timing gear cover edge.
SST 09223–15020, 09502–12010, 09950–70010 (09951–07100)
(3) Apply MP grease to the oil seal lip.

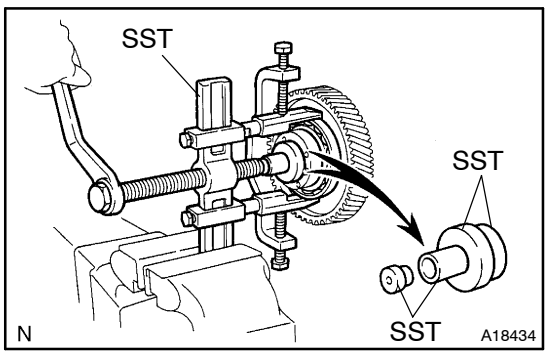


(b) If the timing gear cover is installed to the cylinder block:
(1) Using a knife, cut off the oil seal lip.
(2) Using a screwdriver, pry out the oil seal.

NOTICE:
Be careful not to damage the crankshaft. Tape the screwdriver tip.

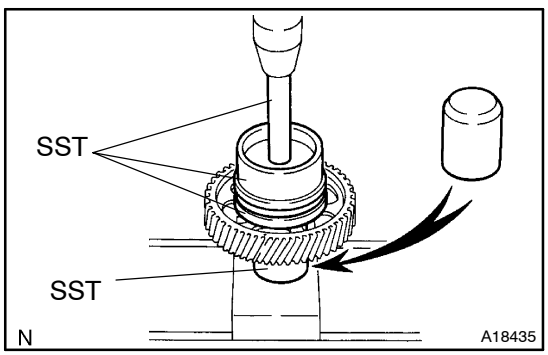


(3) Apply MP grease to the oil seal lip.
(4) Using SST and a hammer, tap in a new oil seal until its surface is flush with the timing gear cover edge.
SST 09223–15020, 09502–12010, 09950–70010 (09951–07100)



3. REPLACE SUPPLY PIMP DRIVE GEAR BEARING

(a) Using SST, remove the bearing.
SST 09950–40011 (09951–04020, 09952–04010, 09953–04030, 09954–04010, 09955–04061, 09957–04010, 09958–04011), 09950–60010 (09951–00390, 09951–00460, 09952–06010)



(b) Using SST and a press, press in a new bearing.
SST 09223–00010, 09223–15020, 09502–12010, 09950–70010 (09951–07100)