

## REPLACEMENT

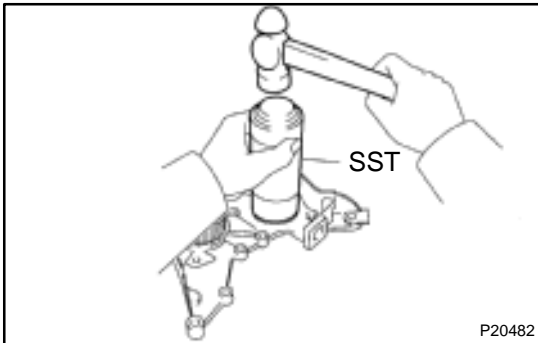
### 1. REPLACE CRANKSHAFT FRONT OIL SEAL

#### HINT:

There are 2 methods to replace the oil seal which are as follows:

If oil pump is removed from cylinder block:

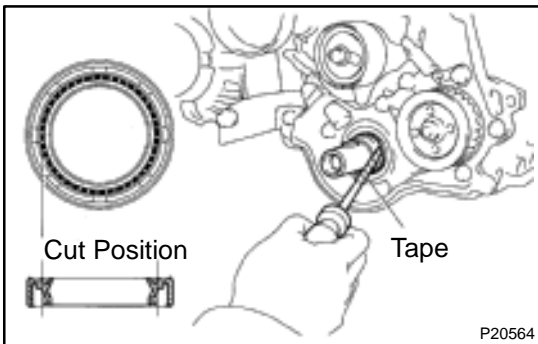
- (a) Using a screwdriver, pry out the oil seal.



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

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- (c) Apply MP grease to the oil seal lip.



If oil pump is installed to the cylinder block:

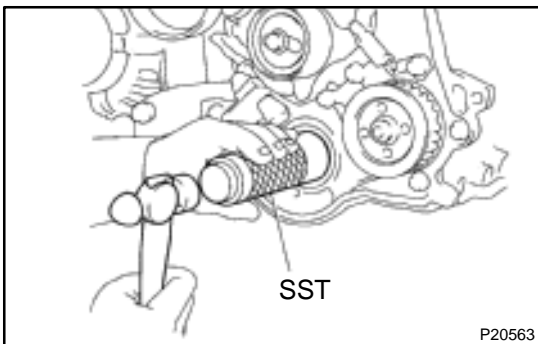
- (d) Using a knife, cut off the oil seal lip.

- (e) Using a screwdriver, pry out the oil seal.

#### NOTICE:

**Be careful not to damage the crankshaft.**

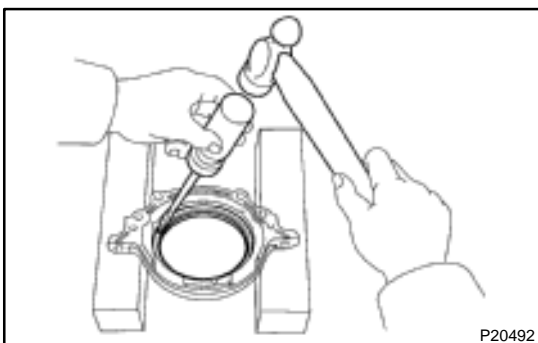
**Tape the screwdriver tip.**



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

- (g) Using SST and a hammer, tap in the oil seal until its surface is flush with the oil pump case edge.

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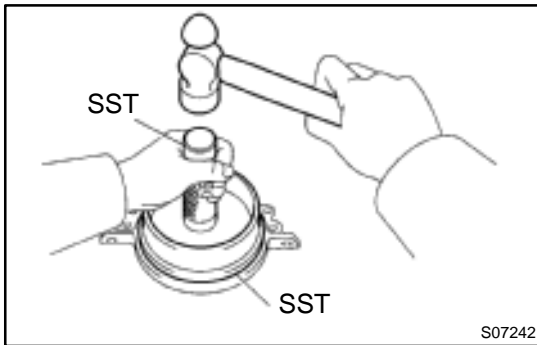
### 2. REPLACE CRANKSHAFT REAR OIL SEAL

#### HINT:

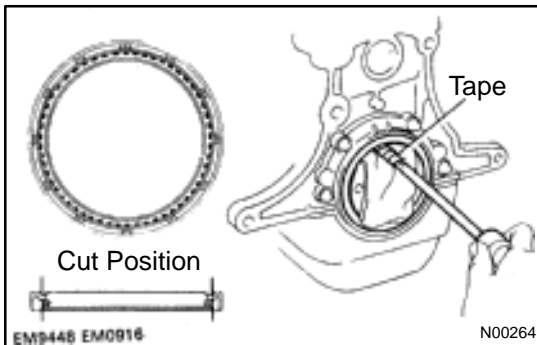
There are 2 methods to replace the oil seal which are as follows:

If rear oil retainer is removed from cylinder block:

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



- (b) Using SST and a hammer, tap in a new oil seal until its surface is flush with the rear oil seal edge.  
SST 09223-15030, 09550-10012 (09552-10010)
- (c) Apply MP grease to the oil seal lip.

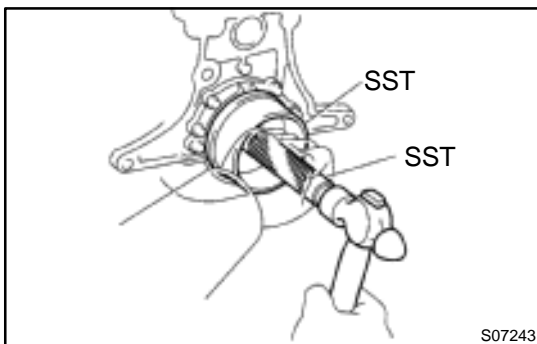


If rear oil seal retainer is installed to cylinder block:

- (d) Using a knife, cut off the oil seal lip.
- (e) Using a screwdriver, pry out the oil seal.

**NOTICE:**

**Be careful not to damage the crankshaft.  
Tape the screwdriver tip.**



- (f) Apply MP grease to a new oil seal lip.
- (g) Using SST and a hammer, tap in the oil seal until its surface is flush with the rear oil seal retainer edge.  
SST 09223-15030, 09550-10012 (09552-10010)