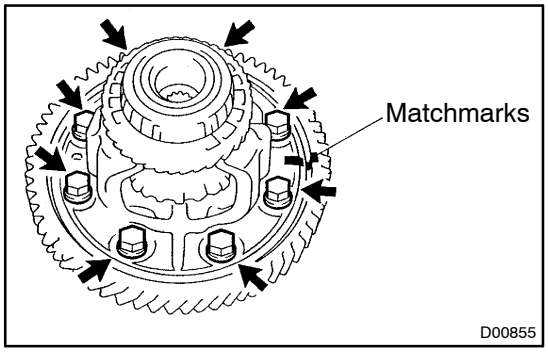
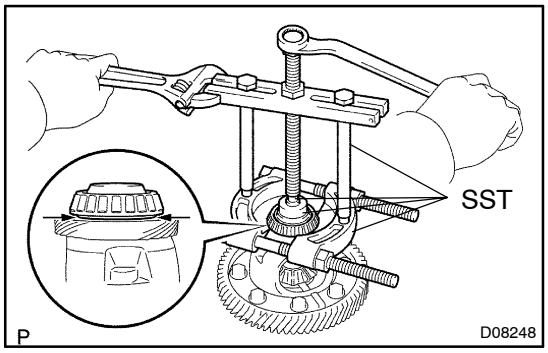
MX0A4–02

DISASSEMBLY



1. REMOVE RING GEAR

(a) Place matchmarks on the ring gear and differential case.
(b) Remove the 8 bolts.
(c) Using a copper hammer, tap on the ring gear to remove it from the differential case.

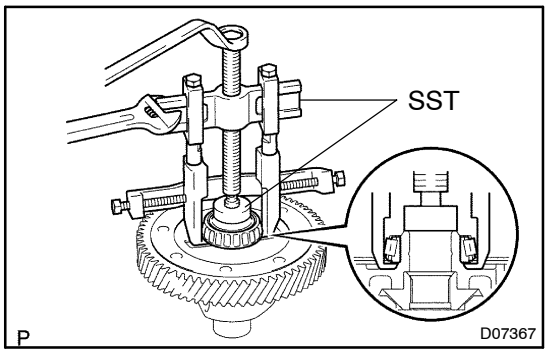


2. Speed sensor drive gear side:
REMOVE TAPERED ROLLER BEARING FROM DIFFERENTIAL CASE

(a) Using SST, remove the tapered roller bearing.
SST 09950–00020, 09950–00030, 09950–40011 (09957–04010), 09950–60010 (09951–00350)

HINT:
Set the claw of SST to the bearing inner race securely.

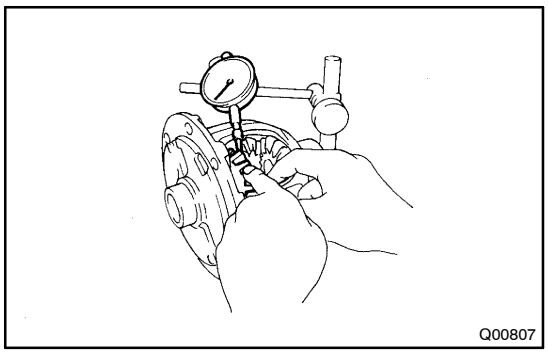
(b) Remove the speed sensor drive gear.



3. Ring gear side:
REMOVE TAPERED ROLLER BEARING FROM DIFFERENTIAL CASE

Using SST, remove the tapered roller bearing.
SST 09950–40011 (09951–04010, 09952–04010, 09953–04020, 09954–04010, 09955–04061, 09957–04010, 09958–04011), 09950–60010 (09951–00350)

HINT:
Set the claw of SST to the bearing inner race at the position where the differential case is indented.



4. INSPECT SIDE GEAR BACKLASH

Using a dial indicator, measure the backlash of one side gear while holding one pinion toward the differential case.

Standard backlash:
0.05 – 0.20 mm (0.0020 – 0.0079 in.)

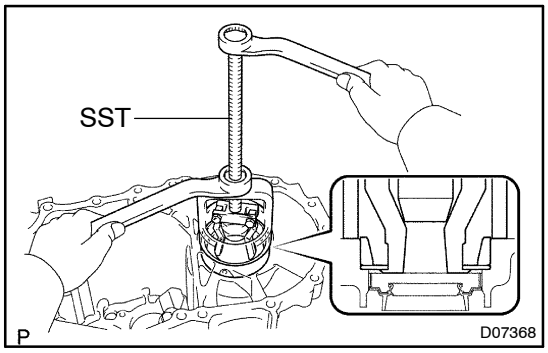
If the backlash is not within the specification, install the correct thrust washer to the side gears.

5. DISASSEMBLE DIFFERENTIAL CASE

(a) Using a pin punch and hammer, drive out the straight pin.

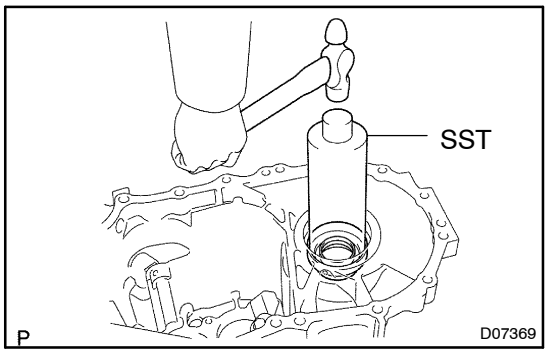
(b) Remove the pinion shaft from the differential case.

(c) Remove the 2 pinions and side gears with the 4 thrust washers from each gear.

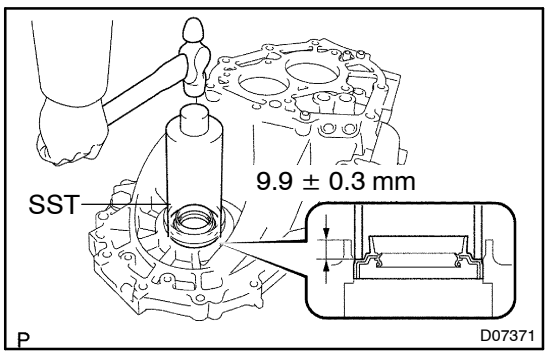


6. Transmission case side:
IF NECESSARY, REPLACE OIL SEAL AND TAPERED ROLLER BEARING OUTER RACE

(a) Using SST, pull out the tapered roller bearing outer race and shim.
SST 09612–65014



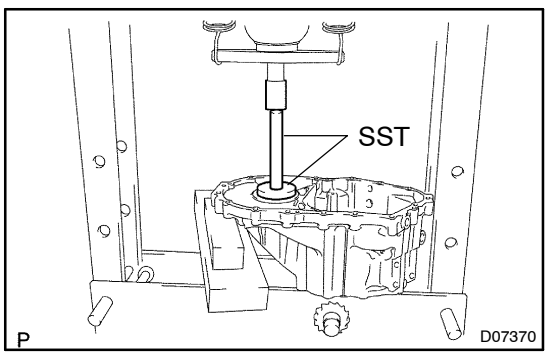
(b) Using SST and a hammer, drive out the oil seal.
SST 09226–10010



(c) Using SST and a hammer, drive in a new oil seal.
SST 09226–10010
Drive in depth: 9.9 ± 0.3 mm (0.390 ± 0.012 in.)

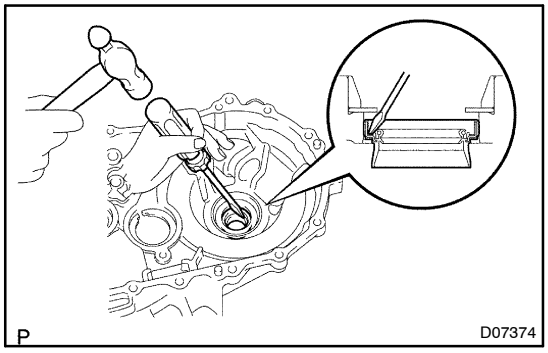
(d) Coat the lip of the oil seal with MP grease.

(e) Place the shim into the differential case.



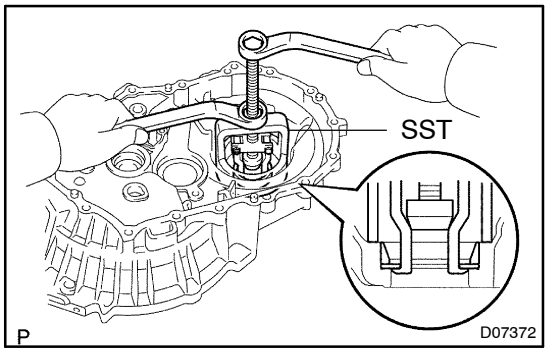
(f) Using SST and a press, install the tapered roller bearing outer race.
SST 09950–60020 (09951–00710), 09950–70010 (09951–07150)

NOTICE:
When replacing the tapered roller bearing outer race, replace the tapered roller bearing along with it.



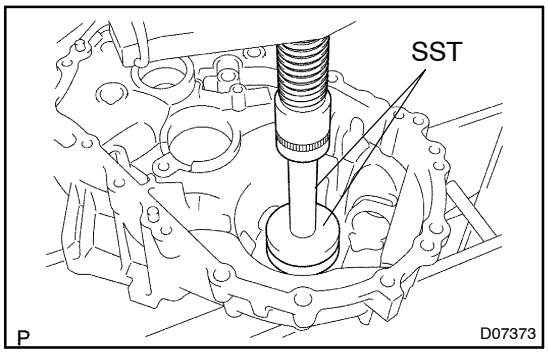
7. Transaxle case side:
IF NECESSARY, REPLACE OIL SEAL AND TAPERED ROLLER BEARING OUTER RACE

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



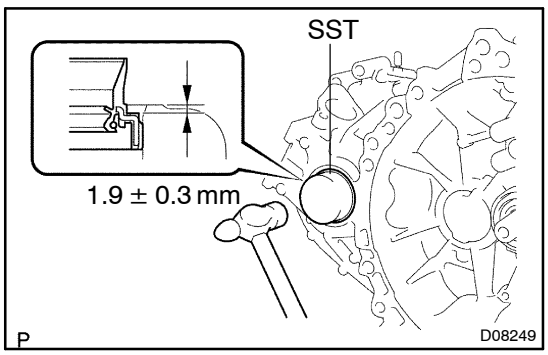
(b) Using SST, pull out the tapered roller bearing outer race and spacer.
SST 09612–65014

(c) Place the spacer into the differential case.



(d) Using SST and a press, install the tapered roller bearing outer race.
SST 09950–60020 (09951–00680), 09950–70010 (09951–07150)

NOTICE:
When replacing the tapered roller bearing outer race, replace the tapered roller bearing along with it.



(e) Using SST and a hammer, drive in a new oil seal.
SST 09710–28021 (09710–08041)
Drive in depth: 1.9 ± 0.3 mm (0.075 ± 0.012 in.)

(f) Coat the lip of the oil seal with MP grease.