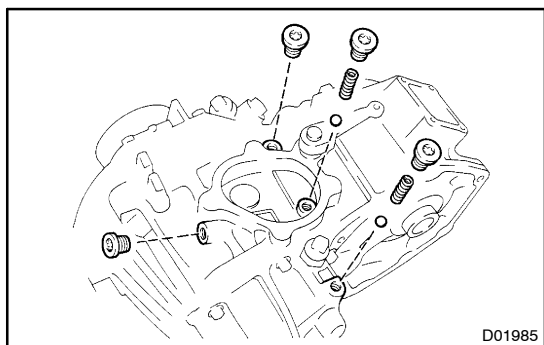


DISASSEMBLY

1. REMOVE BREATHER HOSE
2. REMOVE SPEED SENSOR DRIVEN GEAR

Remove the bolt and speed sensor driven gear.



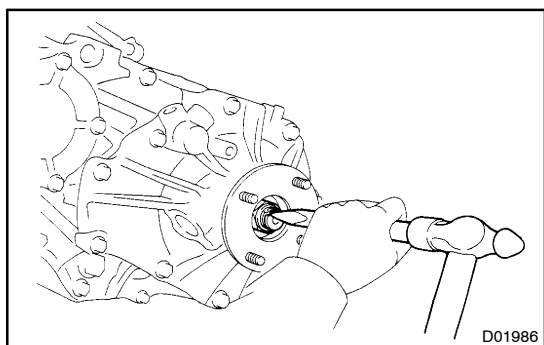
D01985

3. REMOVE SCREW PLUG, SPRING AND BALL

- (a) Using a torx socket wrench (T40), remove the 4 screw plugs.
- (b) Using a magnetic finger, remove the 2 springs and balls.

4. REMOVE TRANSFER INDICATOR SWITCH

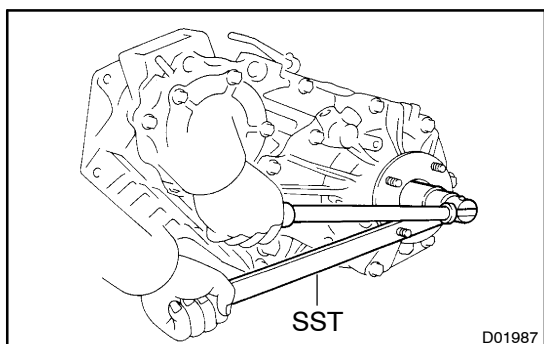
Remove the transfer 4WD position switch, L4 position switch, neutral position switch and 3 gaskets.



D01986

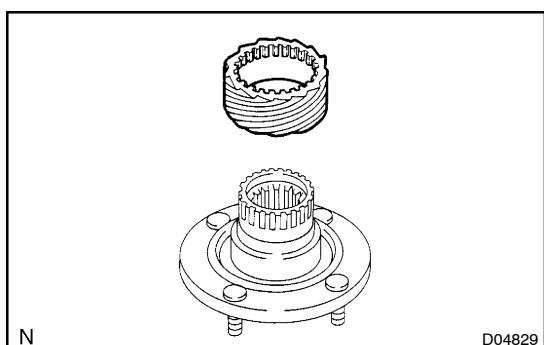
5. REMOVE OUTPUT SHAFT COMPANION FLANGE

- (a) Using a chisel and hammer, unstick the staked part of the nut.



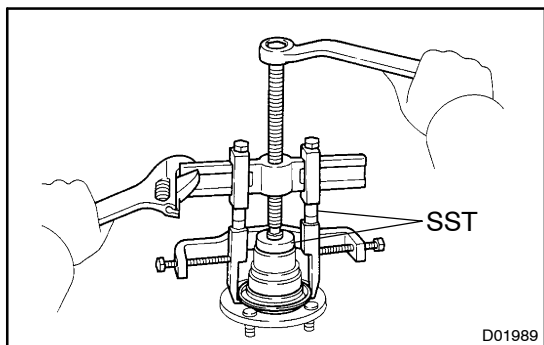
D01987

- (b) Using SST to hold the flange, remove the nut and O-ring.
SST 09330-00021
- (c) Remove the companion flange.



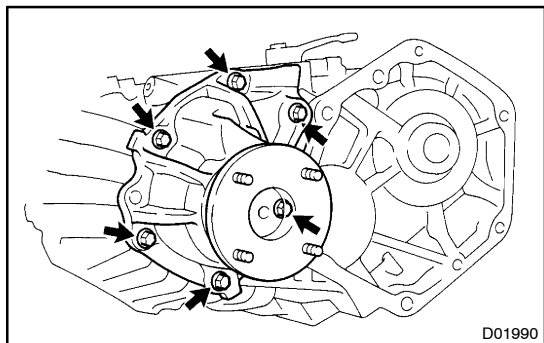
D04829

- (d) Remove the speed sensor drive gear from the companion flange.



- (e) Using SST, remove the dust deflector from the companion flange.

SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04010, 09955-04061, 09957-04010, 09958-04011), 09950-60010 (09951-00400)

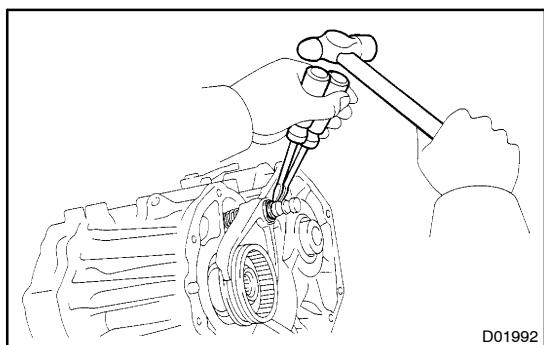


6. REMOVE FRONT EXTENSION HOUSING

Remove the 6 bolts and front extension housing.

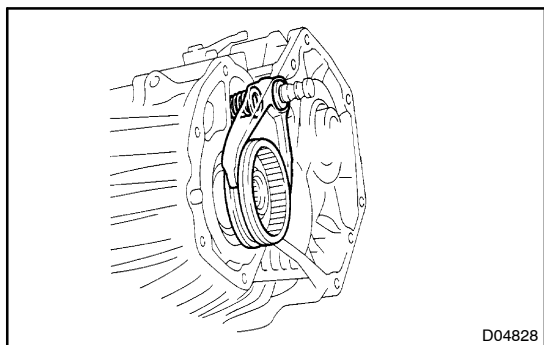
HINT:

If necessary, tap the front extension housing lightly with a plastic hammer.

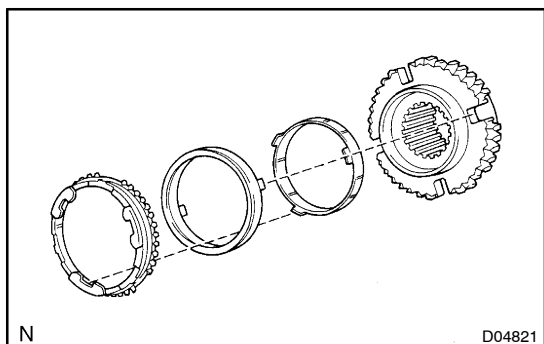


7. REMOVE FRONT DRIVE CLUTCH SLEEVE AND NO. 2 SHIFT FORK

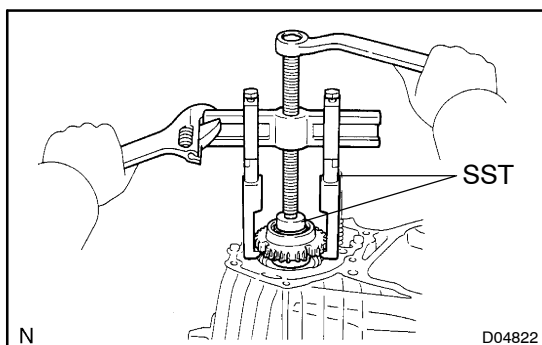
- (a) Using 2 screwdrivers and a hammer, tap out the snap ring from the front drive shift fork shaft.



- (b) Remove the front drive clutch sleeve, No. 2 shift fork, 2 plate washers and compression spring.

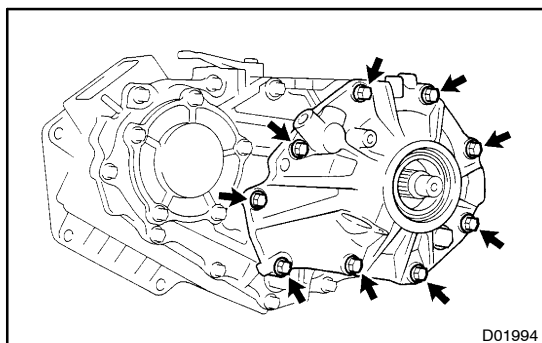


8. REMOVE NO. 2 SYNCHRONIZER OUTER RING, NO. 2 SYNCHRONIZER MIDDLE RING AND NO. 2 SYNCHRONIZER INNER RING

**9. REMOVE FRONT DRIVE GEAR PIECE**

- (a) Using a snap ring expander, remove the snap ring.
- (b) Using SST, remove the front drive gear piece.

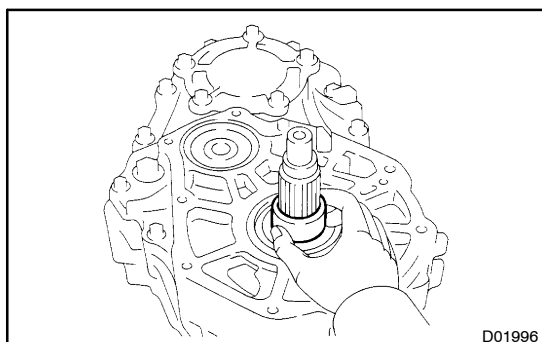
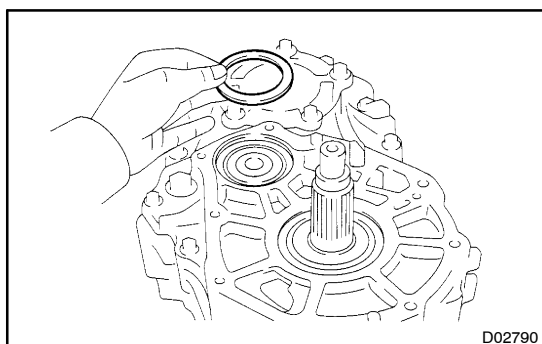
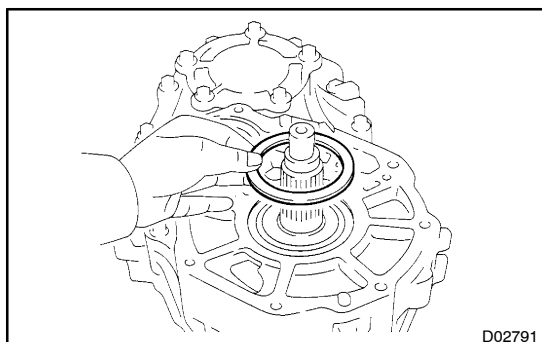
SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04010, 09955-04021), 09950-60010 (09951-00290)

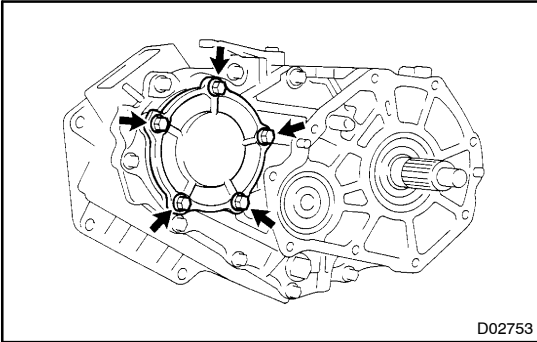
**10. REMOVE REAR EXTENSION HOUSING**

Remove the 9 bolts and rear extension housing.

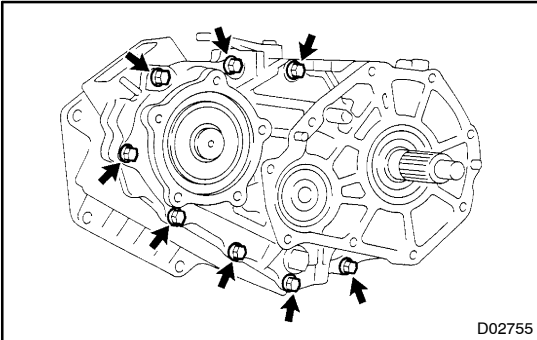
HINT:

If necessary, tap the rear extension housing lightly with a plastic hammer.

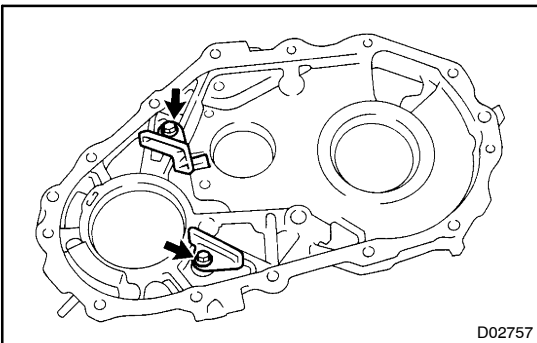
**11. REMOVE SPACER FROM OUTPUT SHAFT****12. REMOVE ADJUSTING SHIM FOR IDLER GEAR TAPER ROLLER BEARING****13. REMOVE ADJUSTING SHIM FOR OUTPUT SHAFT TAPER ROLLER BEARING**

**14. REMOVE CASE COVER**

- (a) Remove the 5 bolts.
- (b) Using a brass bar and hammer, tap the case cover and remove it.

**15. SEPARATE FRONT CASE AND REAR CASE**

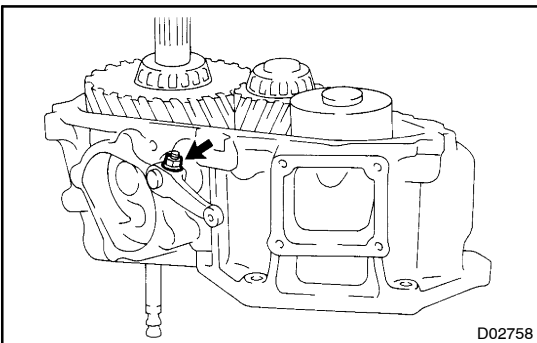
- (a) Using a snap ring expander, remove the snap ring of the input shaft.
- (b) Remove the 8 bolts.
- (c) Using a brass bar and hammer, tap the rear case and separate it.

16. REMOVE 2 BEARING OUTER RACES FROM REAR CASE**17. REMOVE OIL RECEIVER PIPE**

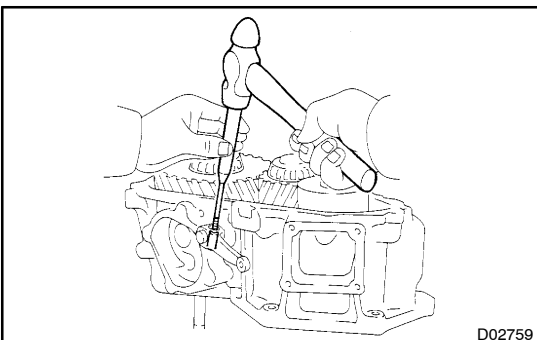
Remove the 2 bolts and oil receiver pipes from the rear case.

18. REMOVE INPUT SHAFT ASSEMBLY FROM FRONT CASE**19. REMOVE IDLER GEAR ASSEMBLY FROM FRONT CASE****HINT:**

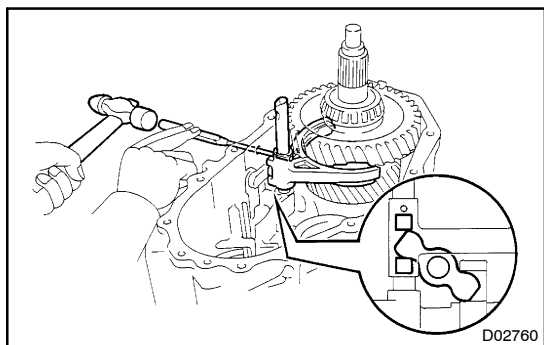
If it is difficult to remove the idler gear assembly, pull up the output shaft assembly.

**20. REMOVE SHIFT OUTER LEVER**

- (a) Remove the nut and washer from the shift outer lever.



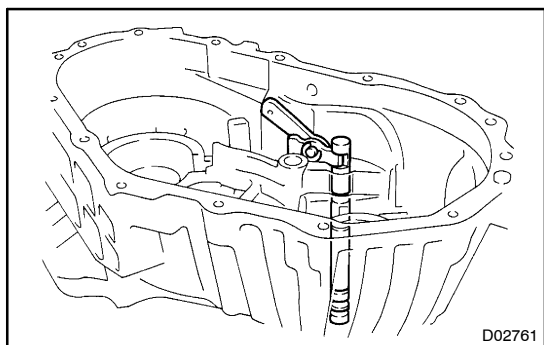
- (b) Using a pin punch and hammer, drive out the lever lock pin.
- (c) Remove the shift outer lever from the shift inner lever.



21. REMOVE NO. 1 SHIFT FORK AND HIGH AND LOW SHIFT FORK SHAFT

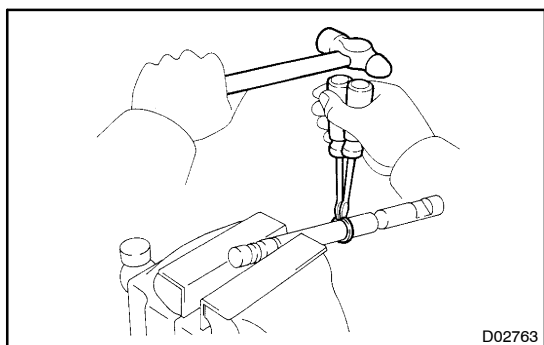
- (a) Using a pin punch and hammer, drive out the slotted spring pin from the No. 1 shift fork.
- (b) Remove the No. 1 shift fork and the high and low shift fork shaft.

22. REMOVE OUTPUT SHAFT ASSEMBLY FROM FRONT CASE

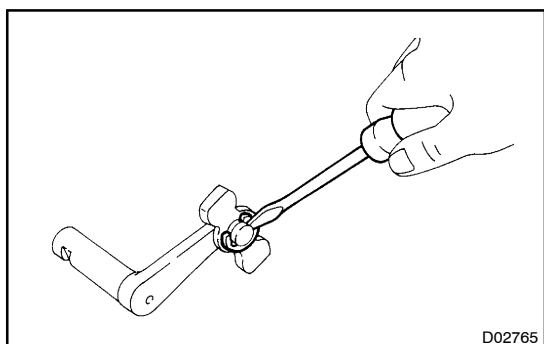


23. REMOVE FRONT DRIVE SHIFT FORK SHAFT

- (a) Remove the front drive shift fork shaft from the front case.

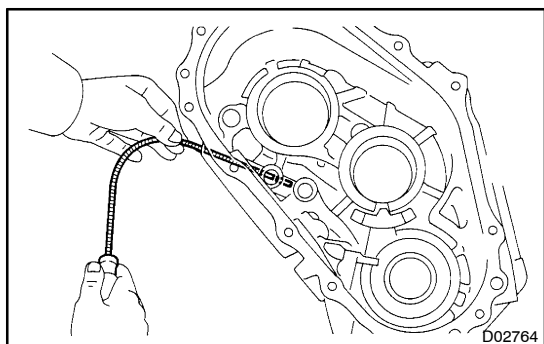


- (b) Using 2 screwdrivers and a hammer, drive out the snap ring from the front drive shift fork shaft.



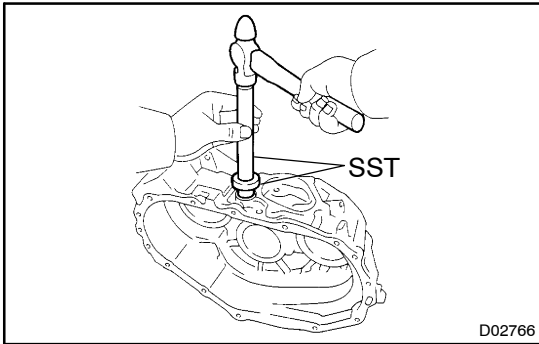
24. REMOVE SHIFT INNER LEVER SHAFT AND SHIFT INNER LEVER

- (a) Remove the shift inner lever shaft and shift inner lever from the front case.
- (b) Using a screwdriver, pry out the E-ring and separate the shift inner lever shaft and shift inner lever.



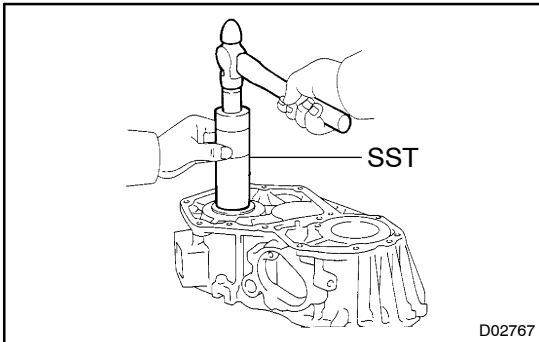
25. REMOVE STRAIGHT PIN

- Using a magnetic finger, remove the straight pin from the front case.



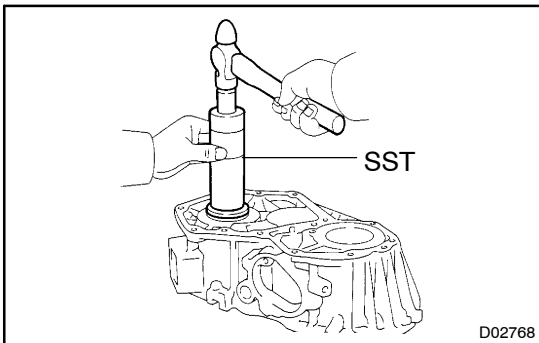
26. IF NECESSARY, REPLACE SHIFT LEVER OIL SEAL OF FRONT CASE

- (a) Using a screwdriver, pry out the oil seal.
- (b) Apply MP grease to the lip of a new oil seal.
- (c) Using SST and a hammer, drive in a new oil seal.
SST 09950-60010 (09951-00270), 09950-70010 (09951-07150)

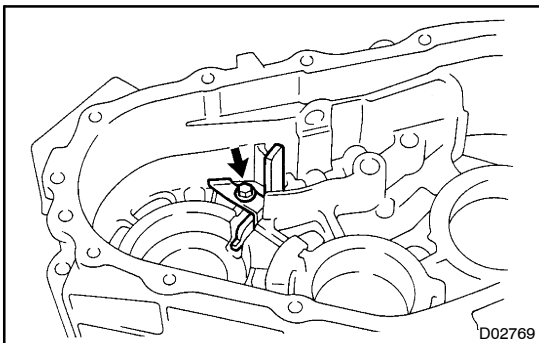


27. IF NECESSARY, REPLACE INPUT SHAFT OIL SEAL OF FRONT CASE

- (a) Using SST and a hammer, drive out the oil seal.
SST 09316-60011 (09316-00011)
- (b) Apply MP grease to the lip of a new oil seal.

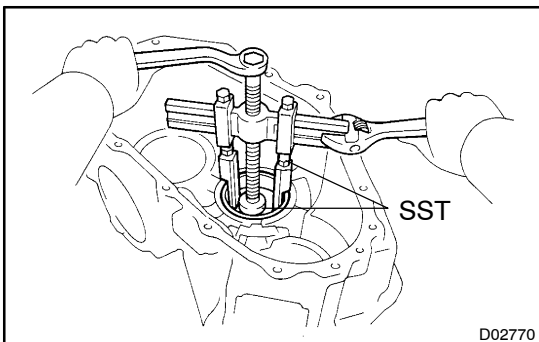


- (c) Using SST and a hammer, drive in a new oil seal.
SST 09316-60011 (09316-00011, 09316-00031)



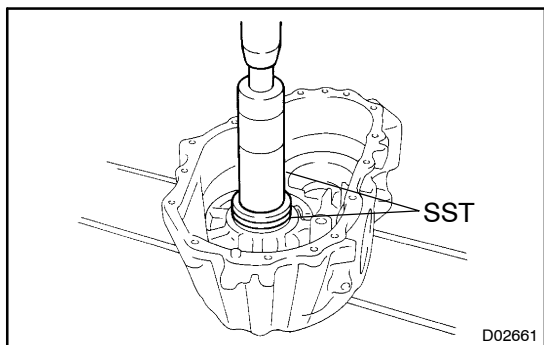
28. REMOVE OIL RECEIVER

Remove the bolt and oil receiver from the front case.



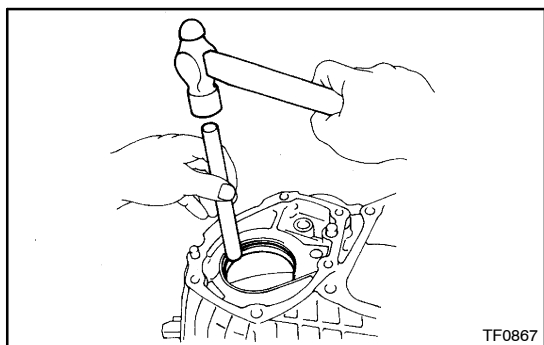
29. IF NECESSARY, REPLACE BEARING OUTER RACE OF FRONT CASE

- (a) Using SST, remove the bearing outer race (for the idler gear).
SST 09950-40011 (09951-04020, 09952-04010, 09953-04030, 09954-04010, 09955-04061, 09957-04010), 09950-60010 (09951-00320)

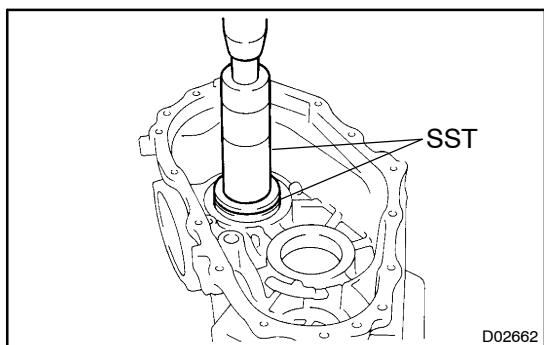


- (b) Using SST and a press, install the bearing outer race (for the idler gear).

SST 09316-60011 (09316-00011, 09316-00031),
09950-60020 (09951-00790)



- (c) Using a brass bar and hammer, remove the bearing outer race (for the output shaft).



- (d) Using SST and a press, install the bearing outer race (for the output shaft).

SST 09316-60011 (09316-00011, 09316-00031),
09950-60020 (09951-00890)