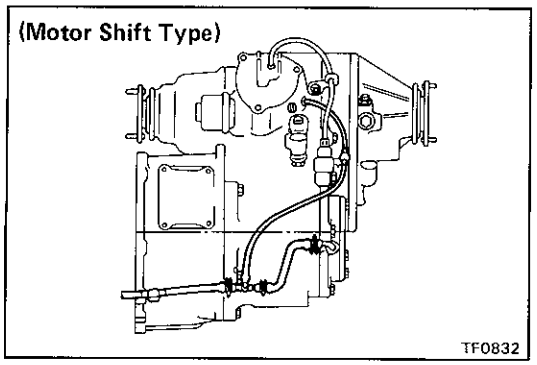
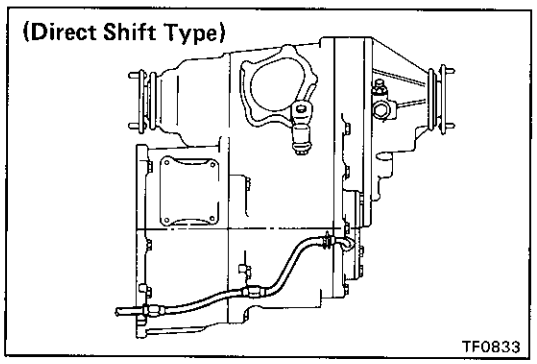
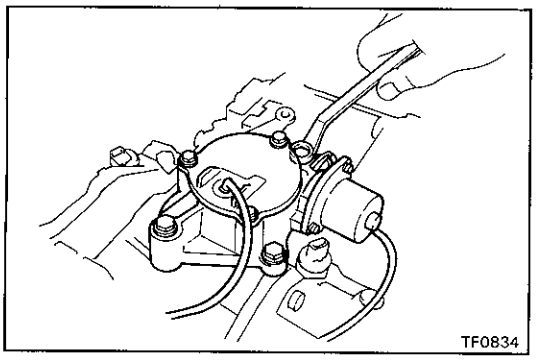


DISASSEMBLY OF TRANSFER

(See page TF-4)

1. **REMOVE BREATHER HOSE**

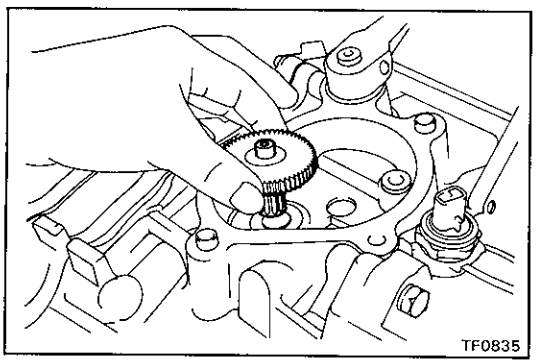




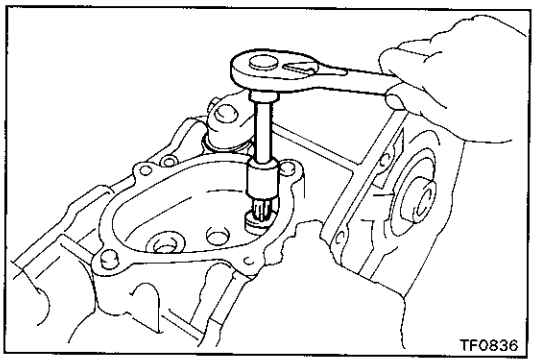
2. **(MOTOR SHIFT TYPE)**
REMOVE MOTOR ACTUATOR

Remove the four bolts and motor actuator.

HINT: Set the motor actuator in differential lock condition.



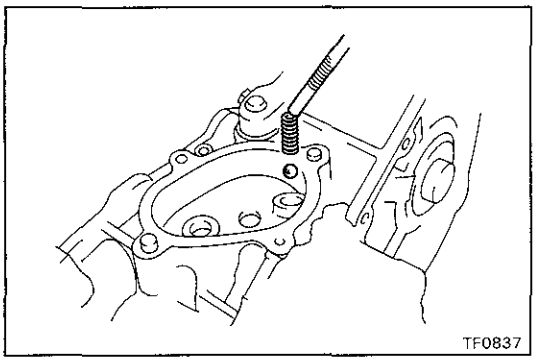
3. **(MOTOR SHIFT TYPE)**
REMOVE OUTPUT GEAR



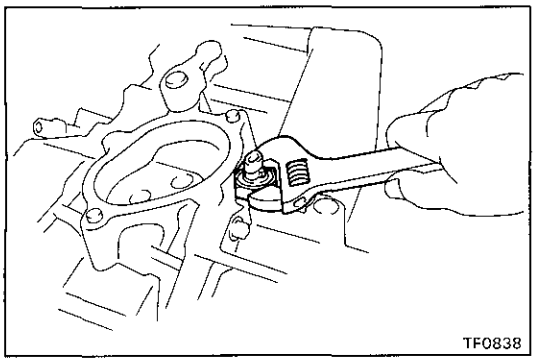
4. **REMOVE SCREW PLUG, SPRING AND BALL**

(a) Using a torx socket wrench, remove the screw plug.

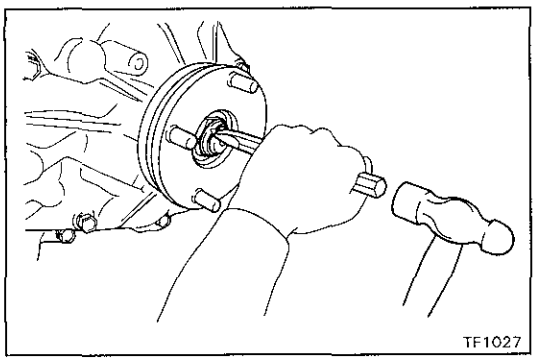
(Torx socket wrench T40 09042-00020)



(b) Using a magnetic finger, remove the spring and ball.

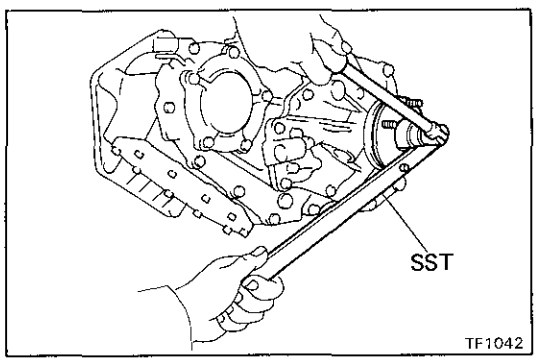


5. REMOVE 4WD INDICATOR SWITCH



6. REMOVE OUTPUT SHAFT COMPANION FLANGE

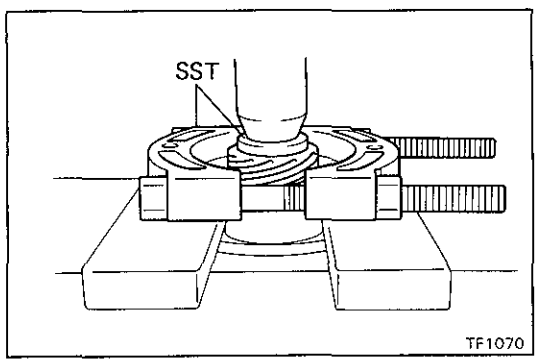
(a) Using a hammer and chisel, loosen the staked part of the nut.



(b) Using SST to hold the flange, remove the nut and washer.

SST 09330-00021

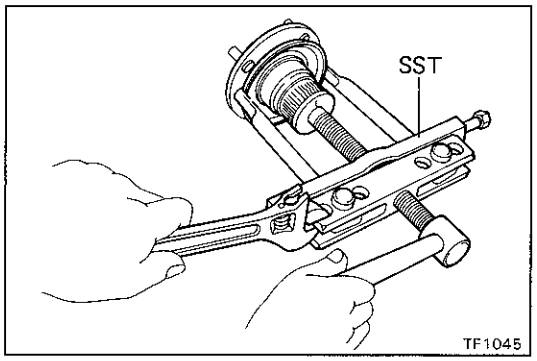
(c) Remove the companion flange.



7. REMOVE SPEEDOMETER DRIVE GEAR AND DUST DEFLECTOR FROM OUTPUT SHAFT COMPANION FLANGE

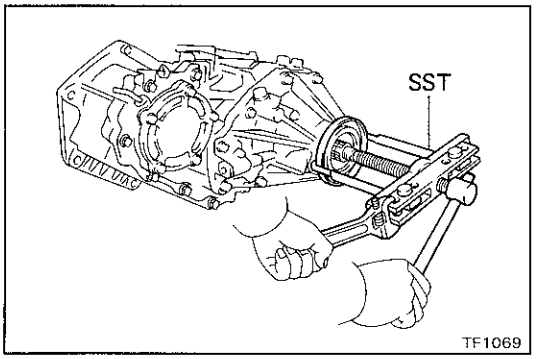
(a) Using SST and a press, remove the speedometer drive gear.

SST 09608-20012 (09608-00040), 09950-00020



(b) Using SST, remove the dust deflector.

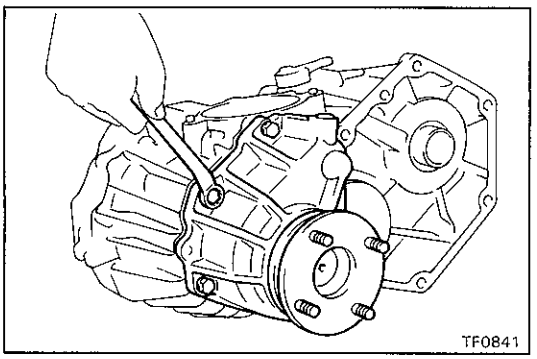
SST 09950-20017



8. REMOVE DUST DEFLECTOR FROM REAR EXTENSION HOUSING

Using SST, remove the dust deflector.

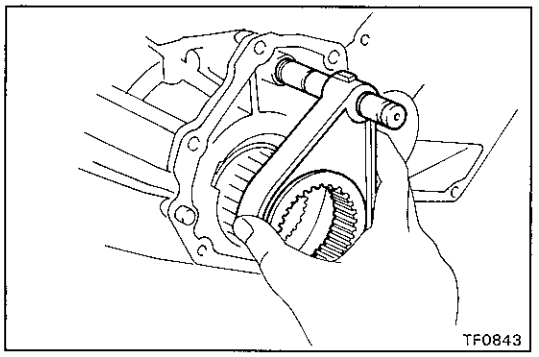
SST 09950-20017



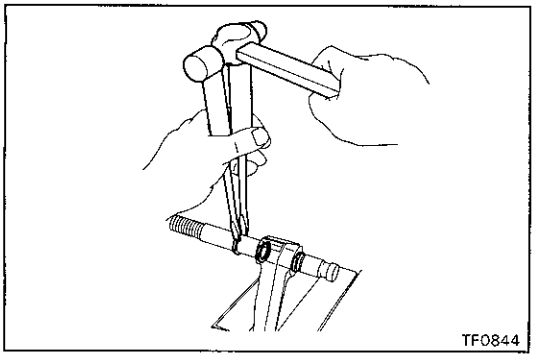
9. REMOVE FRONT EXTENSION HOUSING

Remove the six bolts and front extension housing.

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



10. REMOVE CLUTCH SLEEVE, SHIFT FORK NO.2 AND FORK SHAFT

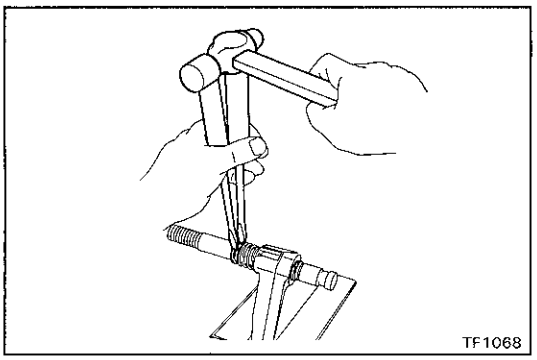


11. SEPARATE SHIFT FORK NO.2 AND FORK SHAFT

(Motor shift type)

(a) Using two screwdrivers and a hammer, tap out the snap rings.

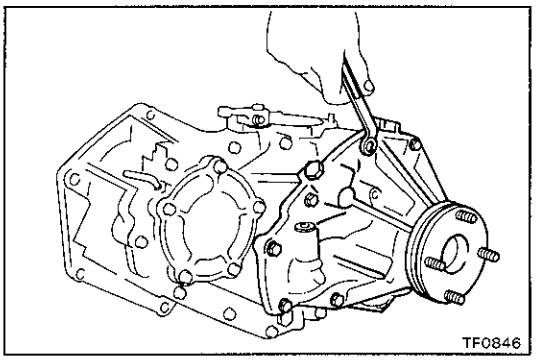
(b) Separate the shift fork No.2 and fork shaft.



(Direct shift type)

(a) Using two screwdrivers and a hammer, tap out the snap rings.

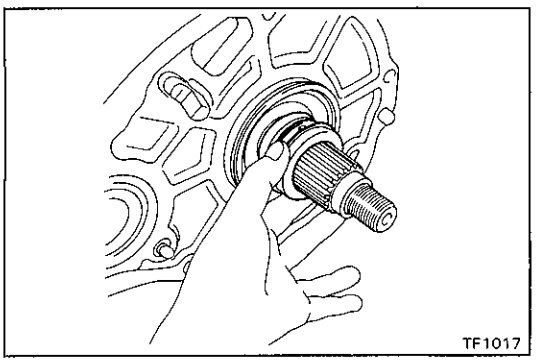
(b) Separate the shift fork No.3, fork shaft and spring.



12. REMOVE REAR EXTENSION HOUSING

Remove the nine bolts and rear extension housing.

HINT: Using a plastic hammer, tap the rear extension housing and remove it.

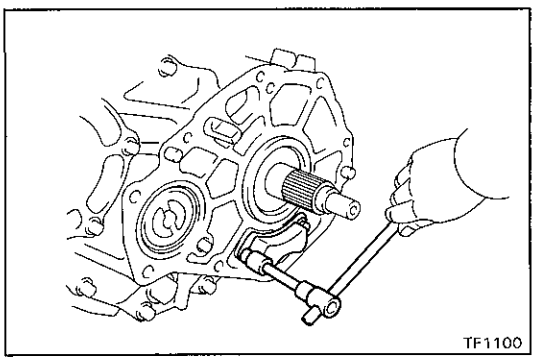


13. REMOVE SPACER NO.1, BALL AND SHIMS

(a) Remove the spacer No.1.

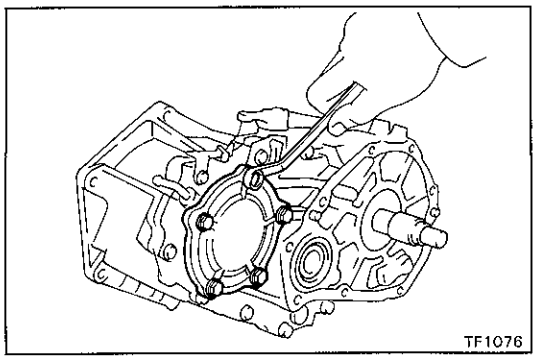
(b) Using a magnetic finger, remove the ball.

(c) Remove the shims.



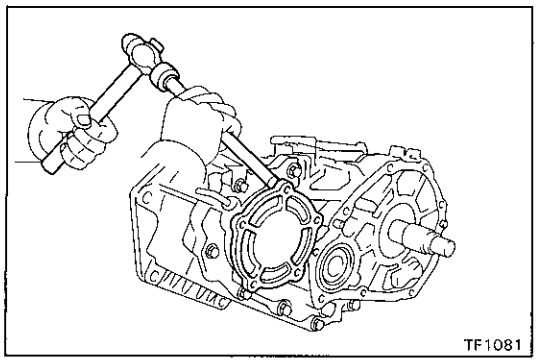
14. REMOVE OIL STRAINER FROM REAR CASE

Remove the two set bolts and oil strainer.

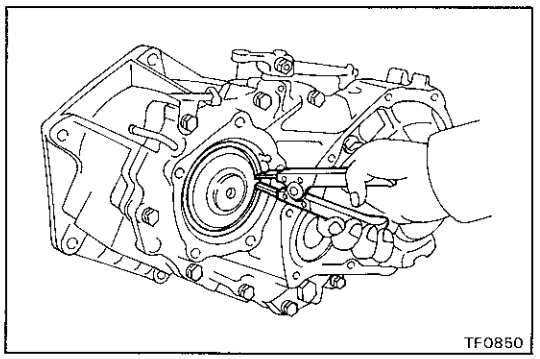


15. REMOVE CASE COVER

(a) Remove the five bolts.

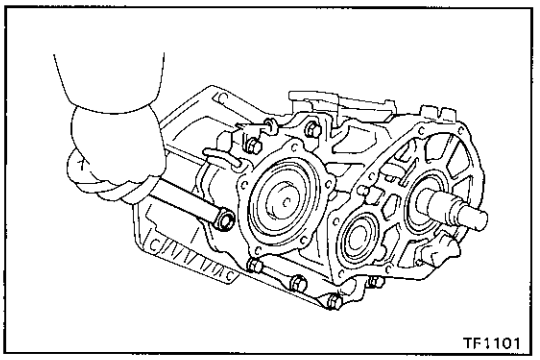


(b) Using a brass bar and hammer, remove the case cover.

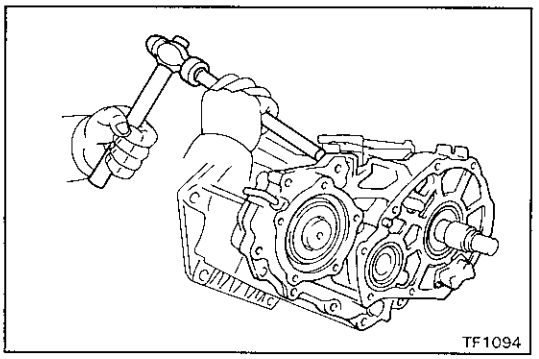


16. SEPARATE FRONT CASE AND REAR CASE

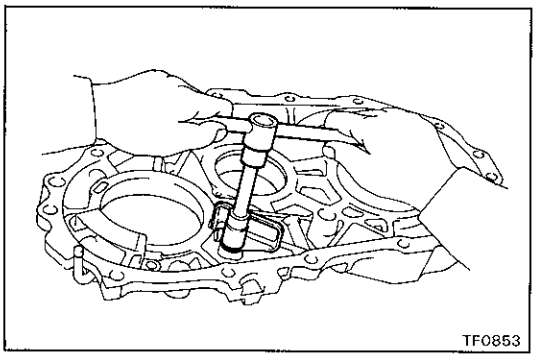
(a) Using snap ring pliers, remove the snap ring.



(b) Remove the eight bolts.

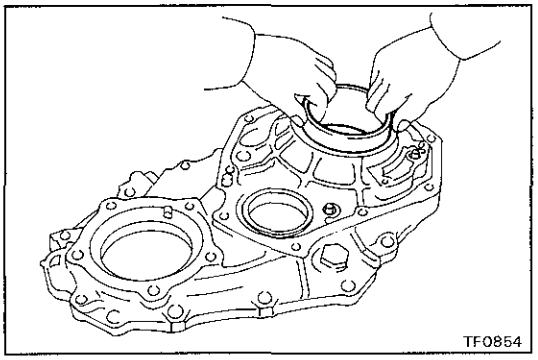


(c) Using a brass bar and hammer, tap the rear case and separate it.

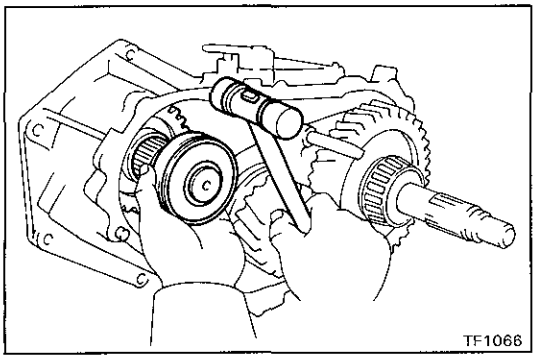


17. REMOVE OIL RECEIVER FROM REAR CASE

Remove the set bolt and oil receiver.

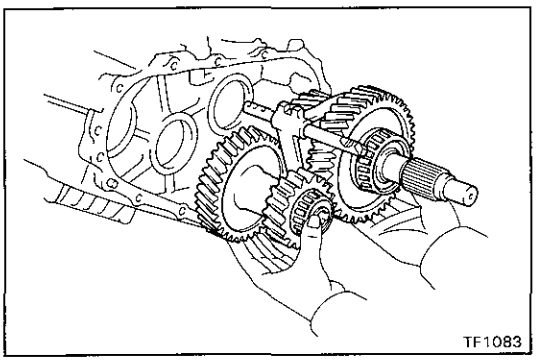


18. REMOVE TWO BEARING RACES FROM REAR CASE

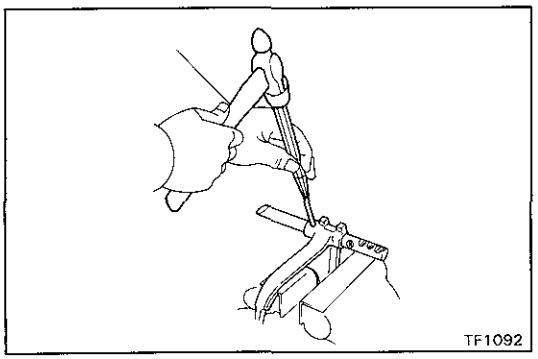


19. REMOVE INPUT SHAFT ASSEMBLY

Using a plastic hammer, tap the front case and remove the input shaft.



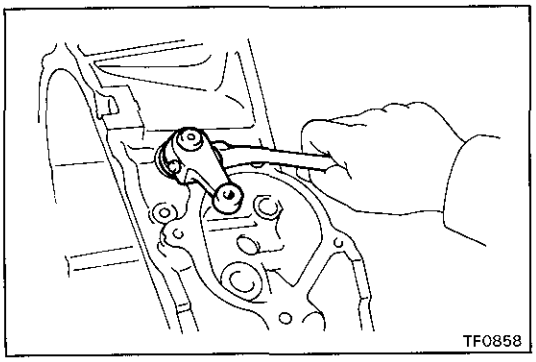
20. REMOVE IDLE GEAR ASSEMBLY, OUTPUT SHAFT ASSEMBLY, SHIFT FORK NO.1 AND FORK SHAFT



21. SEPARATE SHIFT FORK NO.1 AND FORK SHAFT

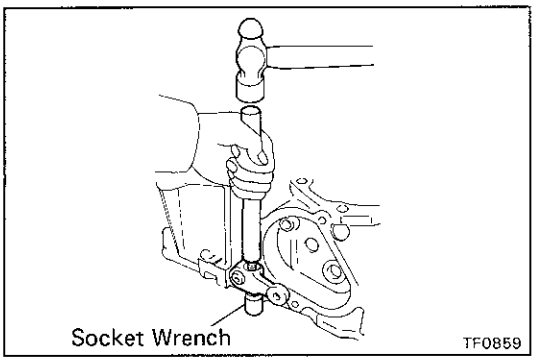
(a) Using a pin punch and hammer, drive out the slotted spring pin.

(b) Separate the shift fork No.1 and fork shaft.

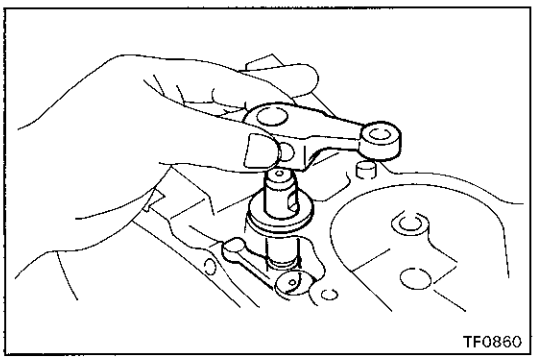


22. REMOVE SHIFT OUTER LEVER AND INNER LEVER

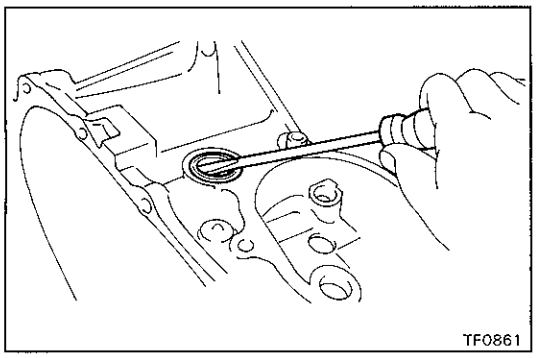
(a) Remove the nut and washer.



(b) Using a brass bar and hammer, tap out the lever lock pin.

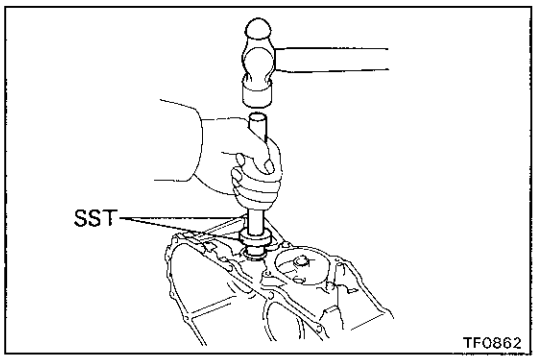


(c) Remove the shift outer lever and inner lever.



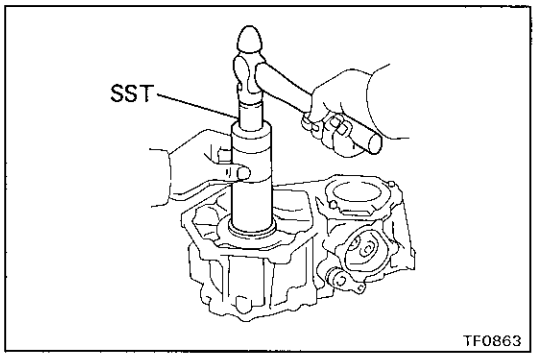
23. IF NECESSARY, REPLACE SHIFT LEVER OIL SEAL

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



(b) Using SST and a hammer, drive in a new oil seal.

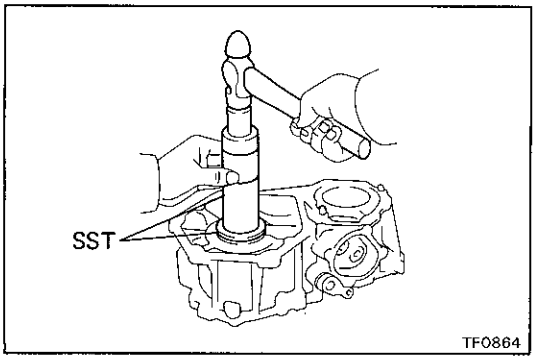
SST 09608-20012 (09608-00080, 09608-03020)



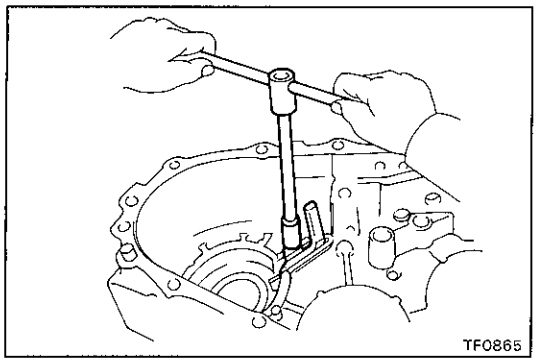
24. IF NECESSARY, REPLACE INPUT SHAFT OIL SEAL

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

SST 09316-60010 (09316-00010)

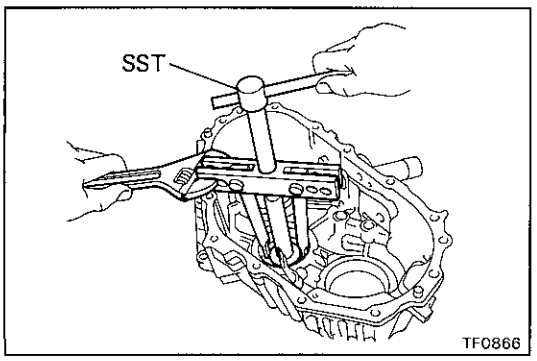


(b) Using SST and a hammer, drive in a new oil seal.
SST 09316-60010 (09316-00010, 09316-00030)



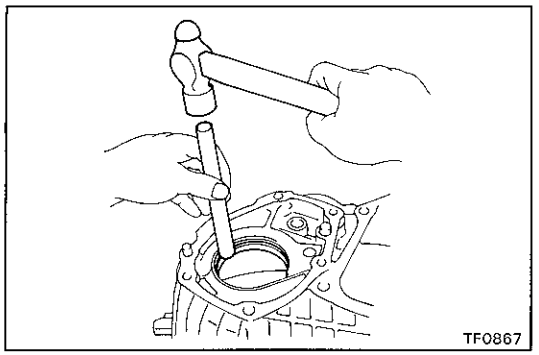
25. REMOVE OIL RECEIVER FROM FRONT CASE

Remove the set bolt and oil receiver.

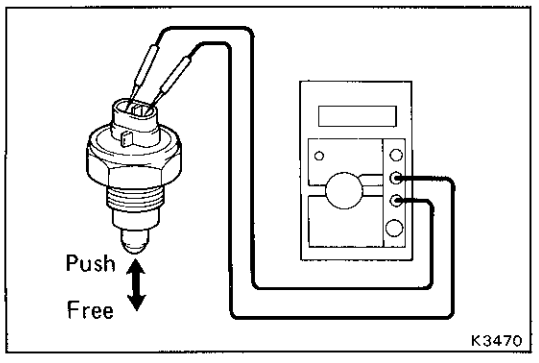


26. REMOVE TWO BEARING RACES FROM FRONT CASE

(a) Using SST, remove the bearing race.
SST 09950-20017



(b) Using a brass bar and hammer, remove the bearing race.



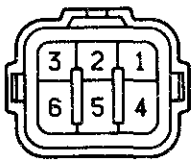
27. INSPECTION OF TRANSFER INDICATOR SWITCH

Check that there is continuity between terminals as shown.

Switch Position	Specified
Push	Continuity
Free	No continuity

If operation is not as specified, replace the switch.

Motor Actuator Side



IS-6-2

28. **INSPECT MOTOR ACTUATOR**

(a) Using an ohmmeter, measure the resistance between terminals 2 and 3.

Standard resistance: 0.3 — 100 Ω

(b) Using an ohmmeter, measure the resistance between terminals 2 or 3 and body ground.

Standard resistance: More than 0.5 MΩ

If resistance value is not as specified, replace the motor actuator.