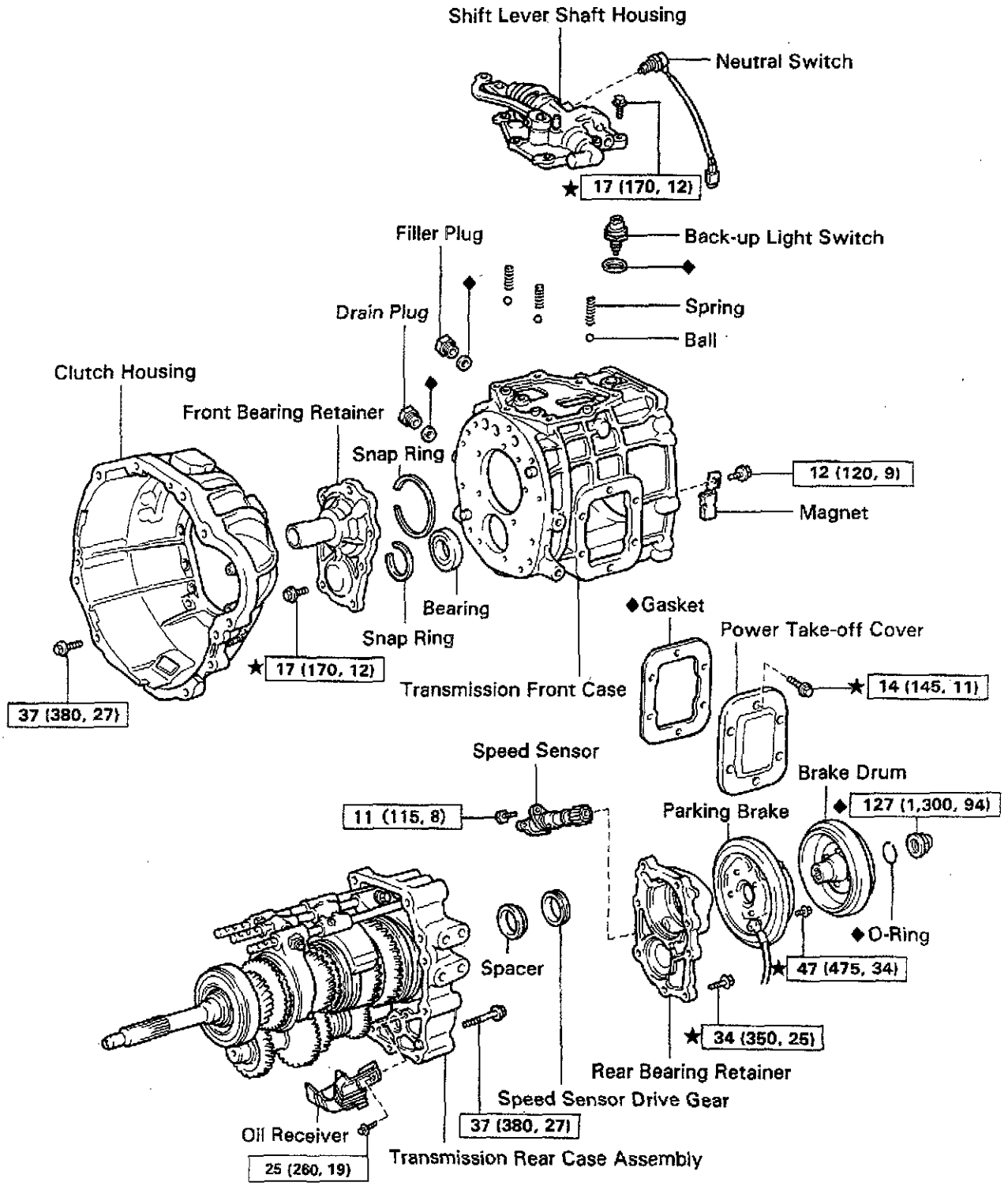
COMPONENT PARTS REMOVAL

COMPONENTS

MT05E-01

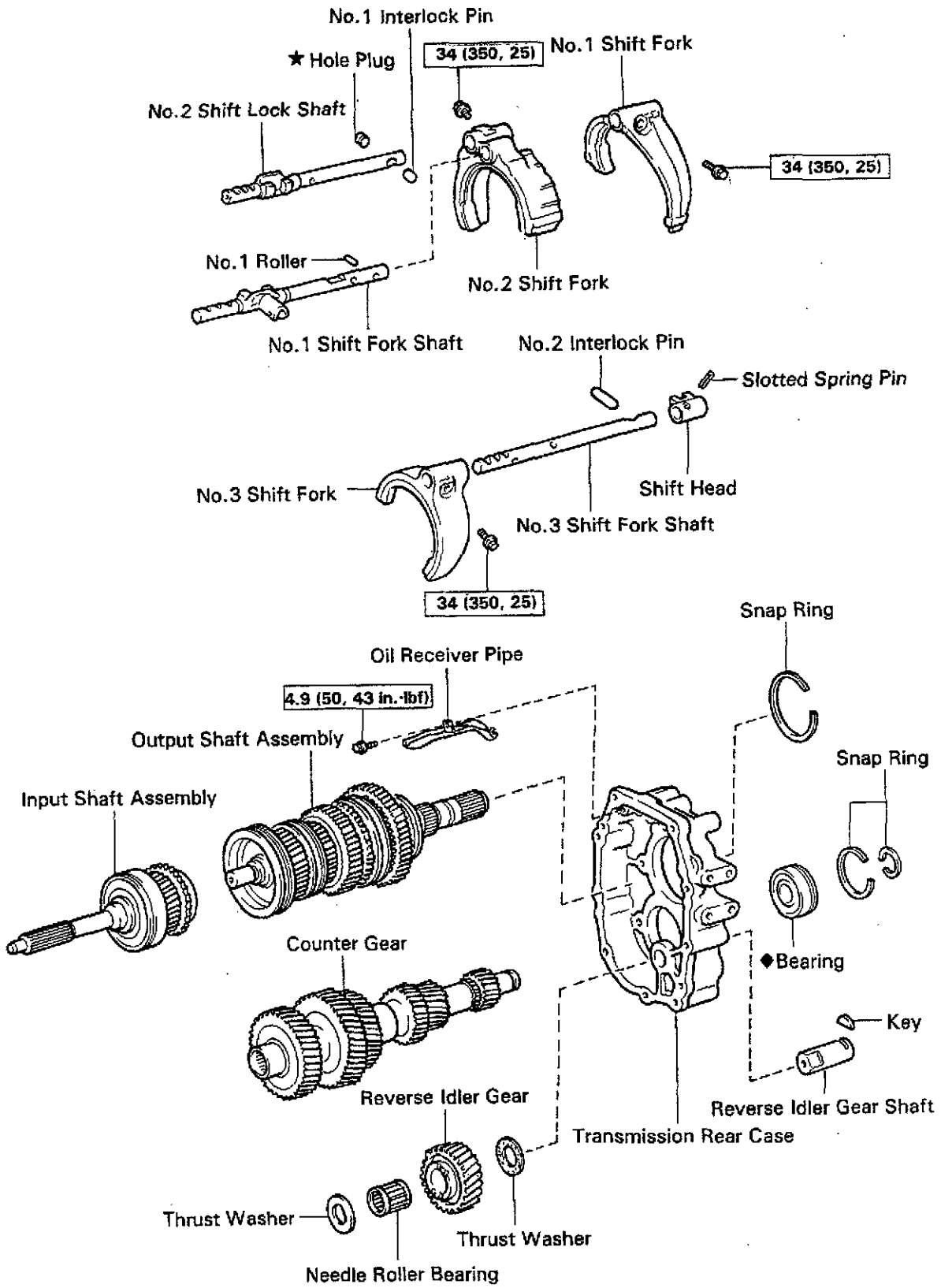


N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part

★ Precoated part

003622



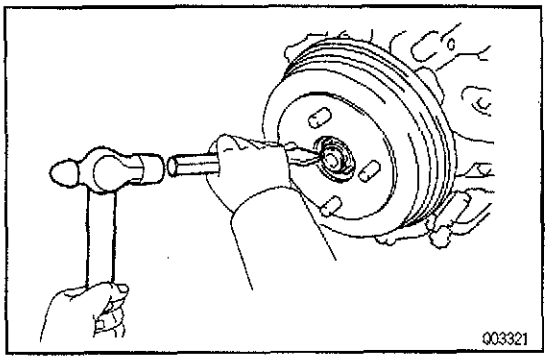
N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non-reusable part
★ Precoated part

003629

MT05P–01

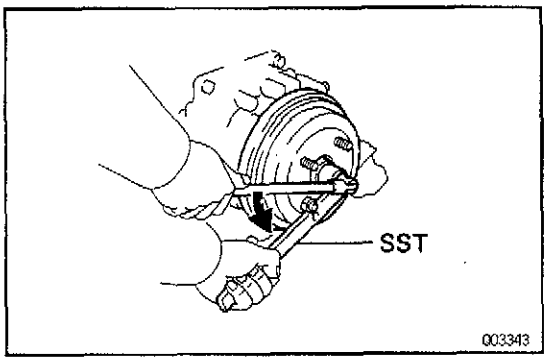
BASIC SUBASSEMBLY SEPARATION

(See pages MT–32 and MT–33)

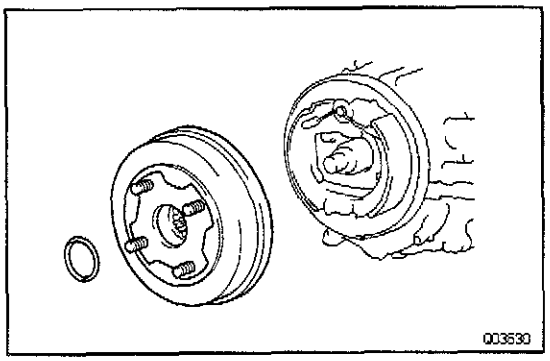


1. REMOVE PARKING BRAKE ASSEMBLY

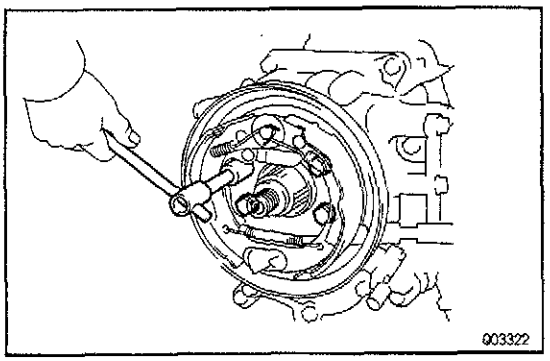
(a) Using a chisel and hammer, unstake the lock nut.



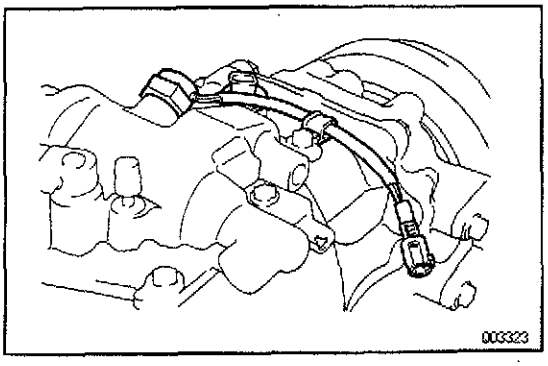
(b) Using SST, remove the lock nut.
SST 09330–00021



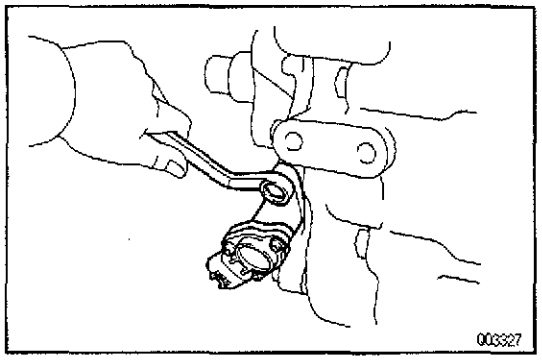
(c) Remove the O–ring and brake drum.



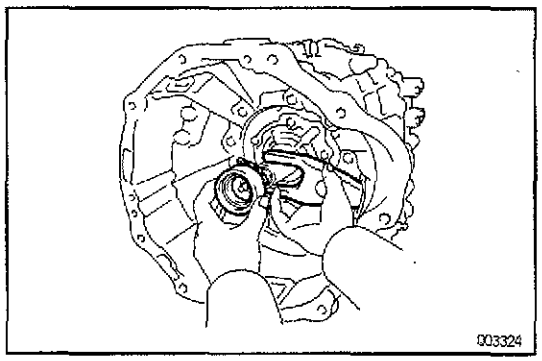
(d) Remove the 4 bolts and parking brake assembly.



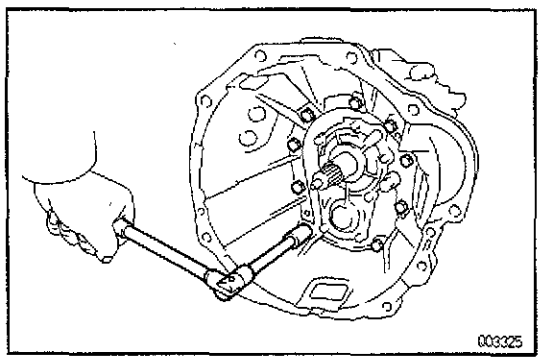
2. REMOVE BACK – UP LIGHT SWITCH AND NEUTRAL SWITCH



3. REMOVE SPEED SENSOR

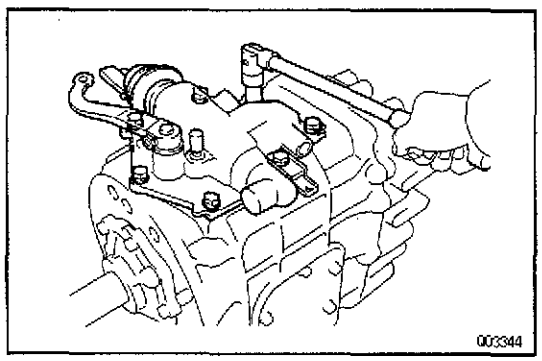


4. REMOVE RELEASE FORK AND BEARING



5. REMOVE CLUTCH HOUSING FROM TRANSMISSION CASE

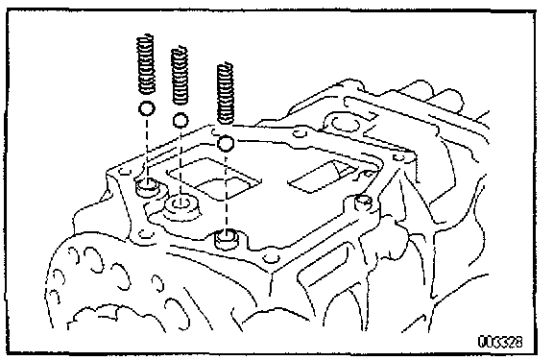
Remove the 9 bolts and the clutch housing.



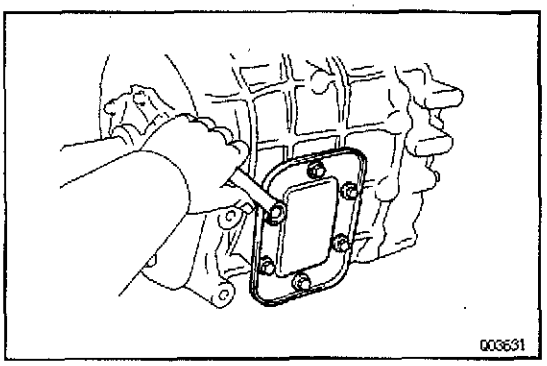
6. REMOVE SHIFT LEVER SHAFT HOUSING ASSEMBLY

(a) Remove the 7 bolts and wire clamp.

(b) Using a plastic hammer, tap the shift lever shaft housing.



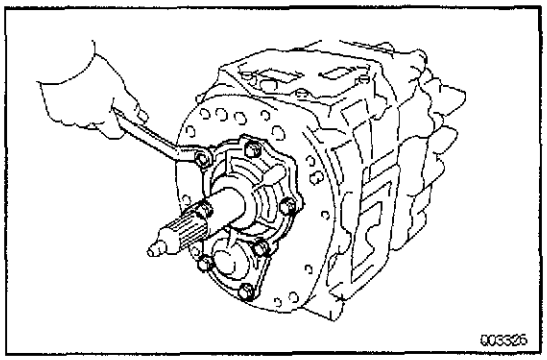
(c) Using a magnetic finger, remove the 3 springs and balls.



7. REMOVE POWER TAKE–OFF COVER

Remove the 6 bolts and power take–off cover with gasket.

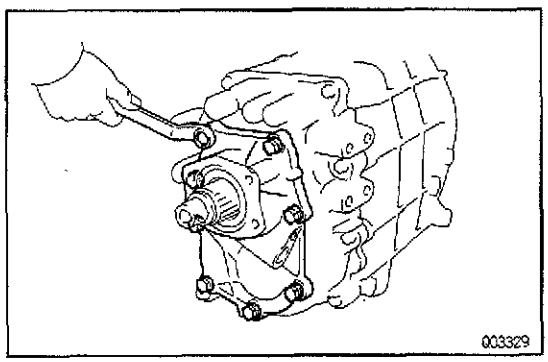
MT



8. REMOVE FRONT BEARING RETAINER

(a) Remove the 7 bolts.

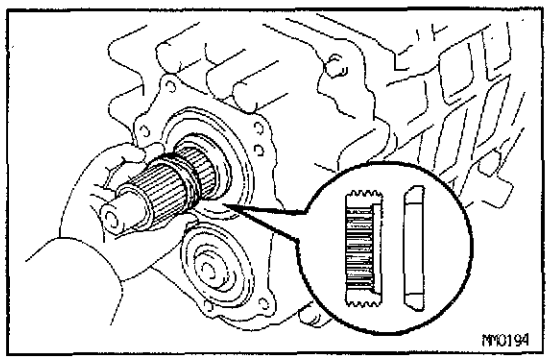
(b) Using a plastic hammer, tap the front bearing retainer.



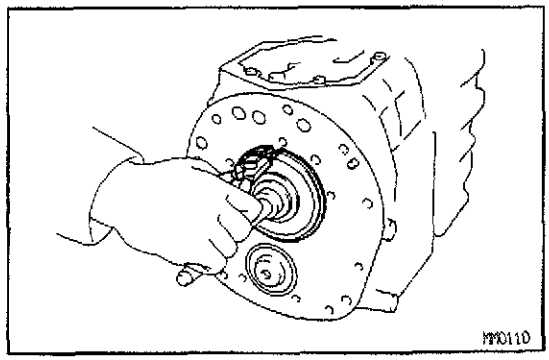
9. REMOVE REAR BEARING RETAINER

(a) Remove the 8 bolts.

(b) Using a plastic hammer, tap the rear bearing retainer.

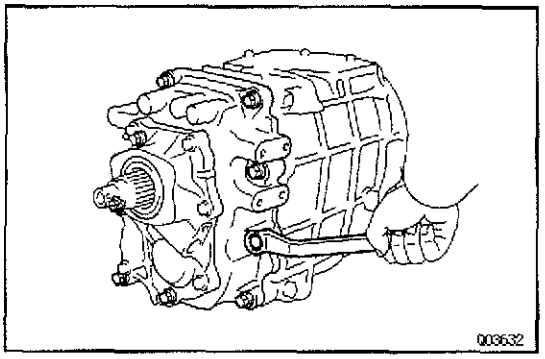


10. REMOVE SPEED SENSOR DRIVE GEAR AND SPACER

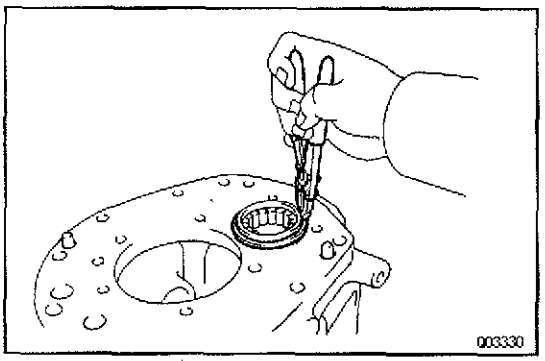


11. REMOVE TRANSMISSION FRONT CASE

(a) Using a snap ring expander, remove the snap ring from the input shaft bearing.

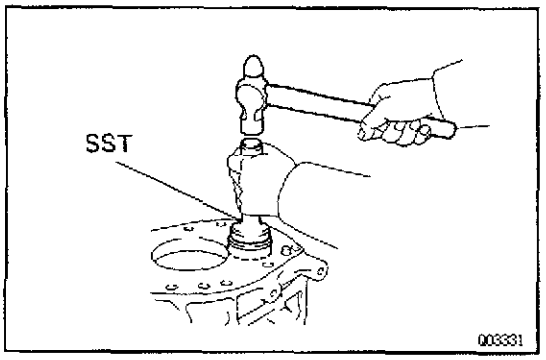


(b) Remove the 9 bolts.
(c) Using a brass bar and hammer, carefully tap off the front case.
(d) Remove the front case from the rear case.

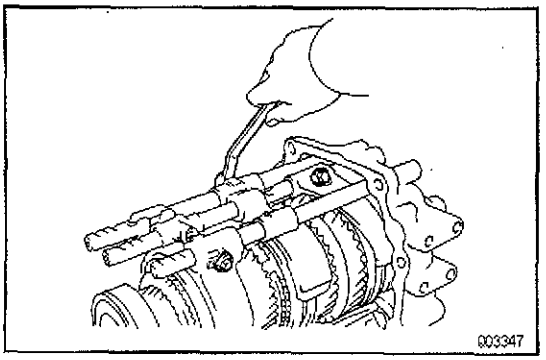


12. REMOVE COUNTER FRONT BEARING FROM FRONT CASE

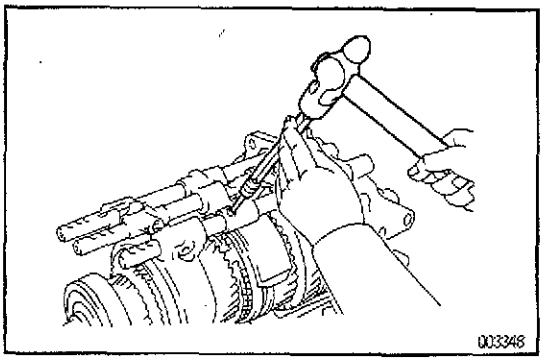
(a) Using a snap ring expander, remove the snap ring.



(b) Using SST and a hammer, remove the bearing.
SST 09505–20010

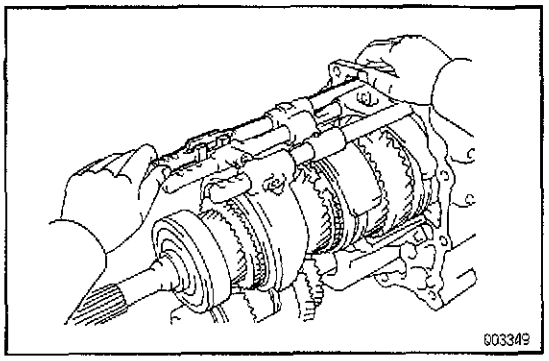


13. REMOVE 3 SET BOLTS



14. REMOVE SLOTTED SPRING PIN

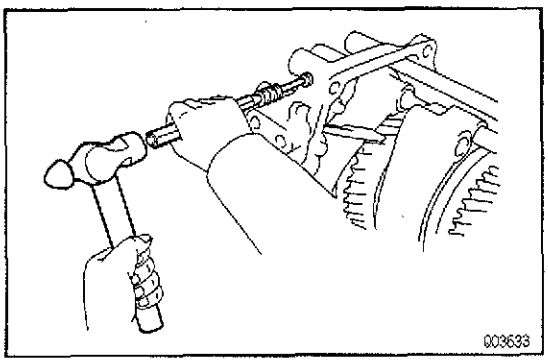
Using a pin punch and hammer, drive out the slotted spring pin from the shift head.



15. REMOVE NO.2 SHIFT FORK SHAFT AND SHIFT FORK

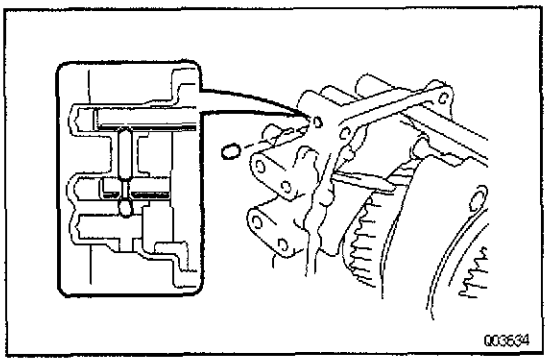
Pull out the No.2 shift fork shaft from the rear case.

MT

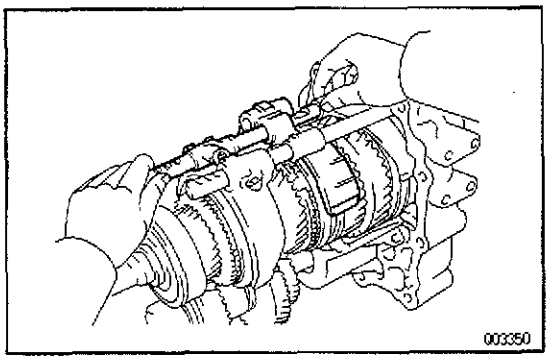


16. REMOVE NO.1 INTERLOCK PIN

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

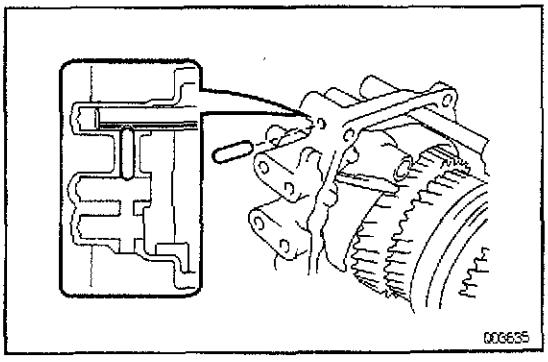


(b) Using a magnetic finger, remove the No.1 interlock pin from the rear case.



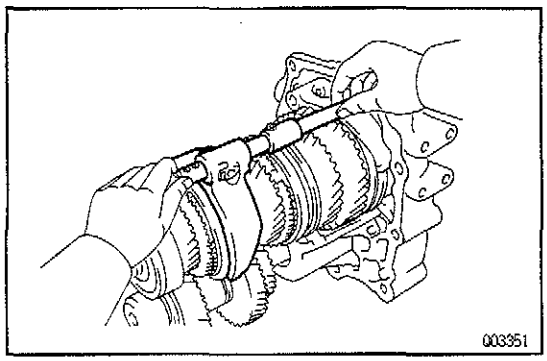
17. REMOVE NO.1 SHIFT FORK SHAFT

(a) Pull out the No.1 shift fork shaft from the rear case.
(b) Using a magnetic finger, remove the No.1 roller from the shaft hole.
(c) Remove the No.2 shift fork.



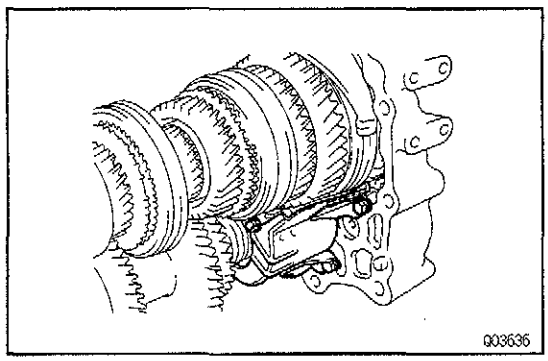
18. REMOVE NO.2 INTERLOCK PIN

Using a magnetic finger, remove the No.2 interlock pin from the rear case.



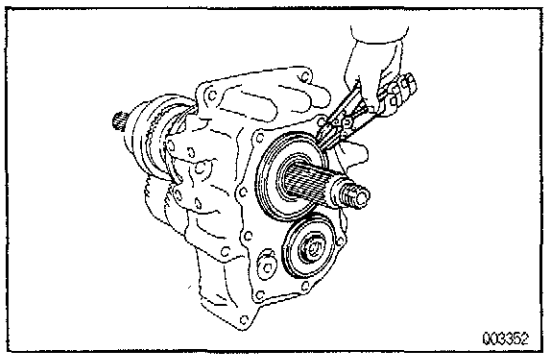
19. REMOVE NO.3 SHIFT FORK SHAFT, SHIFT FORK AND SHIFT HEAD

(a) Pull out the No.3 shift fork shaft from the rear case.
(b) Remove the No.3 shift fork and shift head.



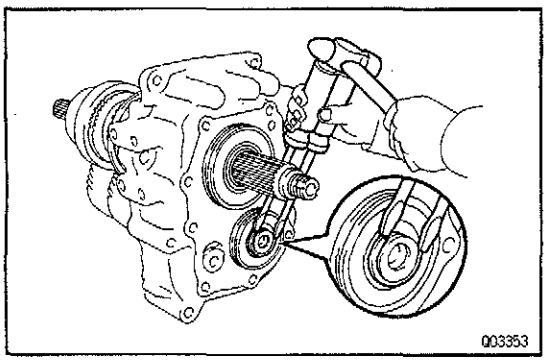
20. REMOVE OIL RECEIVER

Remove the 3 bolts and oil receiver.

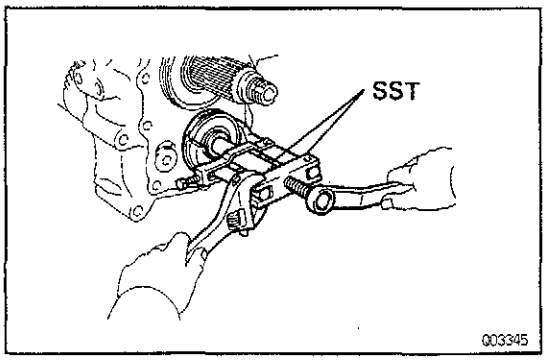


21. REMOVE SNAP RINGS

(a) Using a snap ring expander, remove the 2 snap rings.

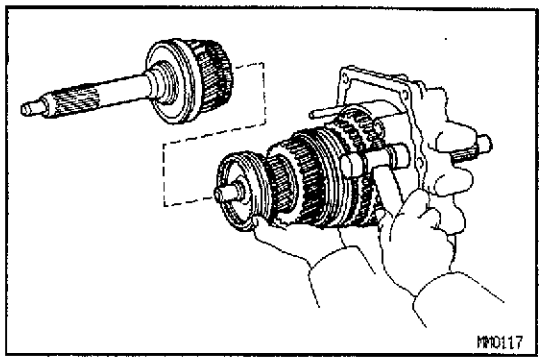


(b) Using 2 screwdrivers and a hammer, tap out the snap ring.



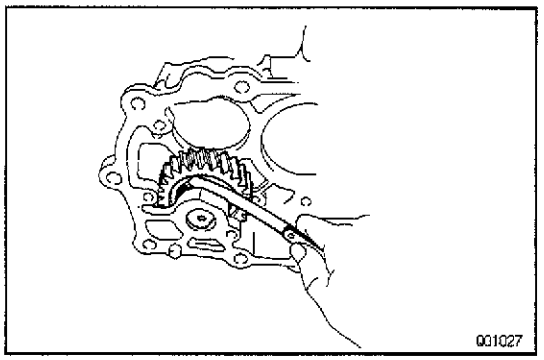
22. REMOVE COUNTER GEAR

(a) *Using SST, remove the rear bearing.*
SST 09602–35011, 09950–20017 (09964–35010)
(b) Remove the counter gear.



23. REMOVE INPUT AND OUTPUT SHAFTS

(a) Remove the input shaft with the 10 needle roller bearings from the output shaft.
(b) Remove the output shaft from the rear case by pulling on the output shaft and tapping on the rear case with a plastic hammer.
(c) Remove the No.1 shift fork.



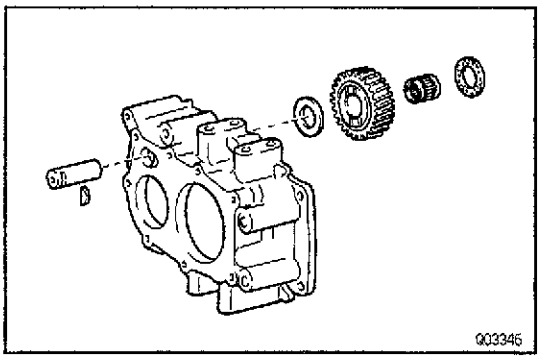
24. INSPECT REVERSE IDLER GEAR THRUST CLEARANCE

Using a feeler gauge, measure the reverse idler gear thrust clearance.

Standard clearance:

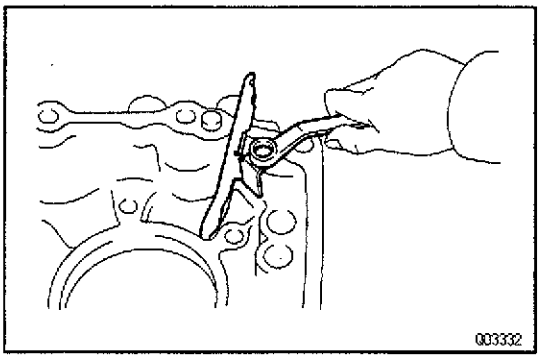
0.10–0.50 mm (0.0039–0.0197 in.)

If the clearance more than the limit, replace the thrust washers.



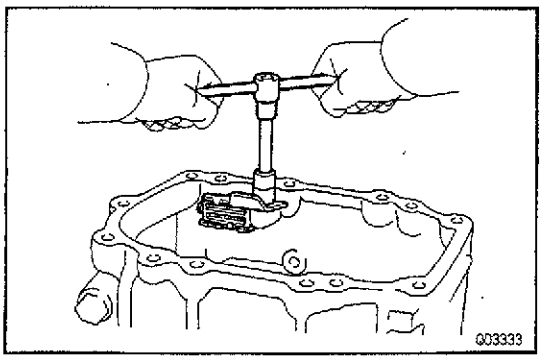
25. REMOVE REVERSE IDLER GEAR AND SHAFT

(a) Pull out the shaft toward the rear and remove the key.
(b) Remove the idler gear, needle roller bearing and thrust washers.



26. REMOVE OIL RECEIVER PIPE

Remove the set bolt and oil receiver pipe from the rear case.



27. REMOVE MAGNET

Remove the set bolt and magnet from the front case.