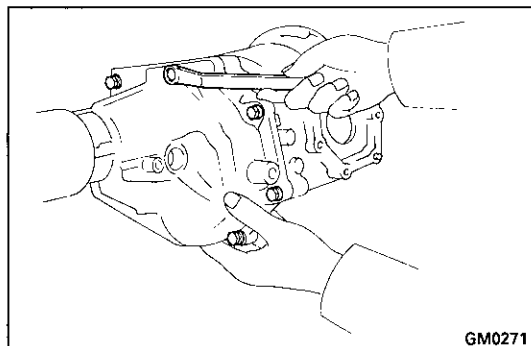
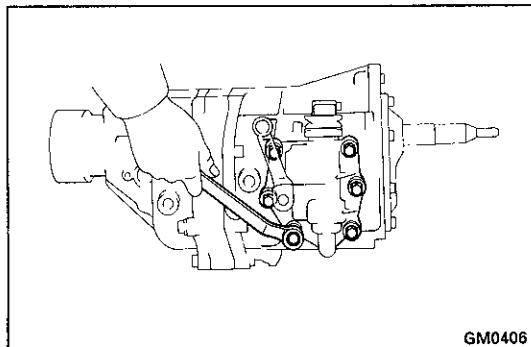
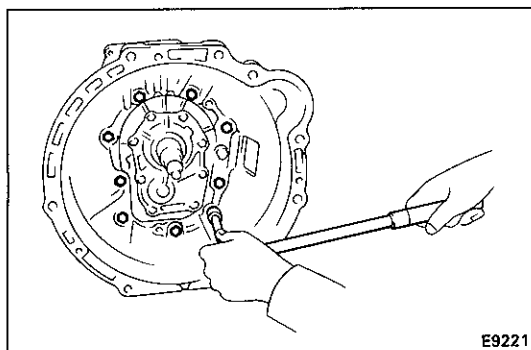
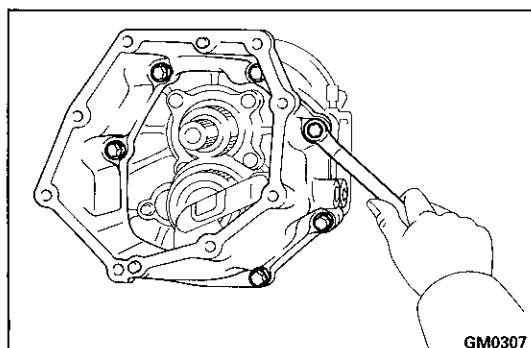


Disassembly of Transmission

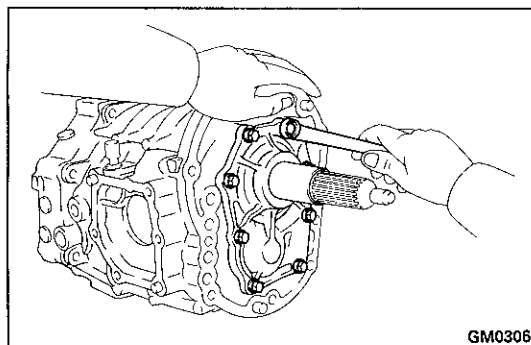
1. REMOVE RELEASE FORK AND BEARING
2. REMOVE BACK-UP LIGHT SWITCH AND SPEEDOMETER DRIVEN GEAR (2WD)
3. REMOVE CLUTCH HOUSING FROM TRANSMISSION CASE
4. REMOVE SHIFT LEVER SHAFT HOUSING ASSEMBLY



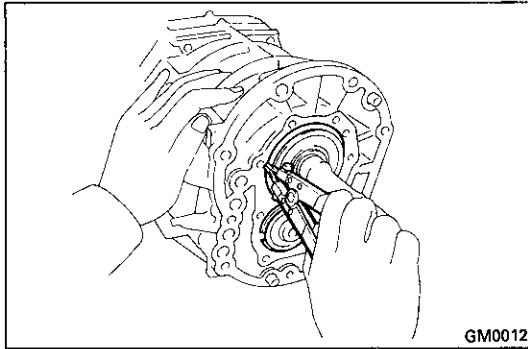
- 5.-1 (2WD)
REMOVE EXTENSION HOUSING



- 5.-2 (4WD)
REMOVE TRANSFER ADAPTOR

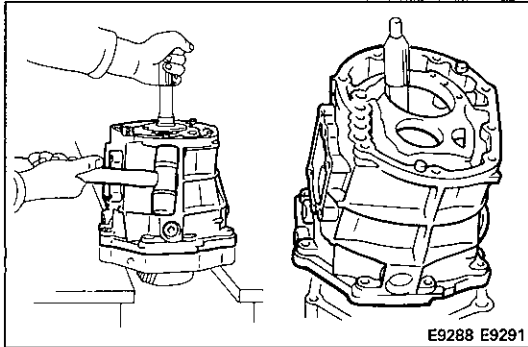


6. REMOVE FRONT BEARING RETAINER



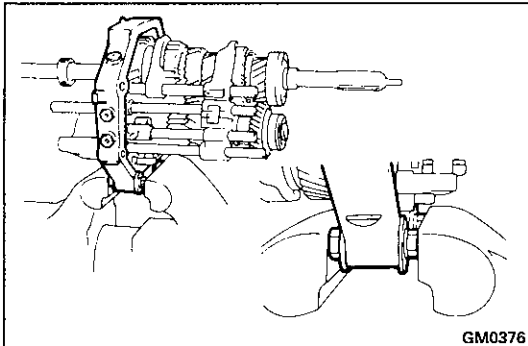
7. REMOVE BEARING SNAP RINGS

Using snap ring pliers, remove the two snap rings.



8. SEPARATE INTERMEDIATE PLATE FROM TRANSMISSION CASE

- Stand the transmission as shown.
- Using a plastic hammer, carefully tap off the transmission case.
- Remove the transmission case from the intermediate plate as shown.

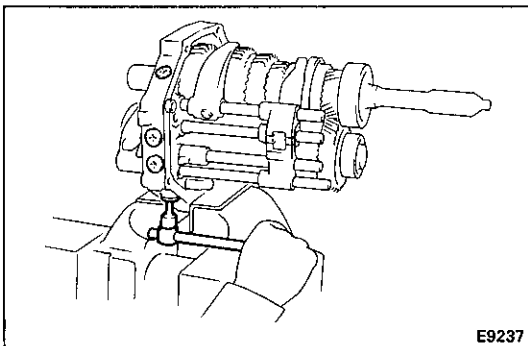


9. MOUNT INTERMEDIATE PLATE IN VISE

- Use the two clutch housing bolts, plate washers and suitable nuts as shown.

NOTICE: Install the plate washers in reverse of normal position. Increase or decrease plate washers so that the bolt tip and front tip surface of the nut are aligned.

- Mount the intermediate plate in a vise.



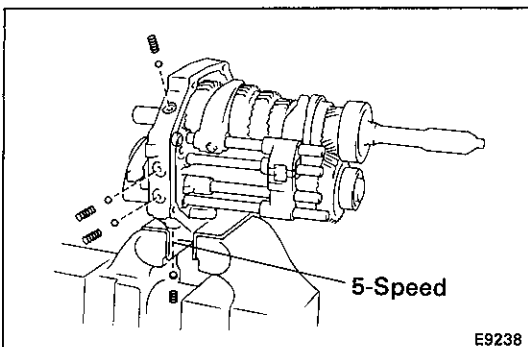
10. REMOVE STRAIGHT SCREW PLUGS, LOCKING BALLS AND SPRINGS

- Using torx socket wrench, remove the plugs.

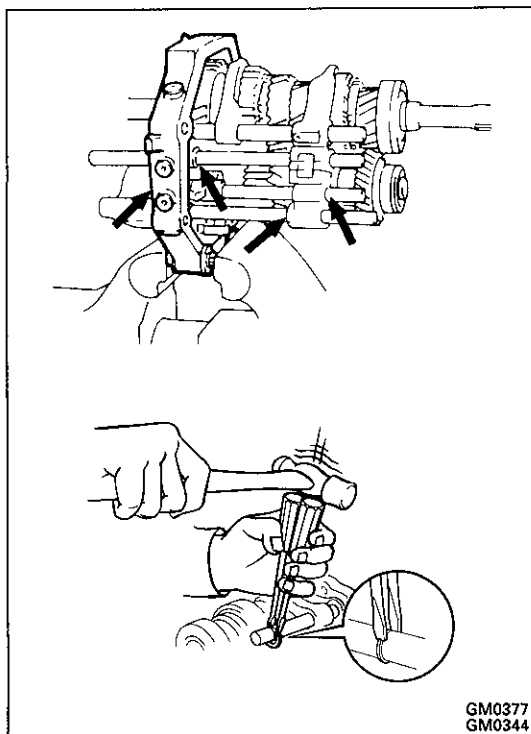
(Torx socket wrench T40 09042-00020)

4-Speed Three plugs

5-Speed Four plugs



- Using a magnetic finger, remove the springs and balls.

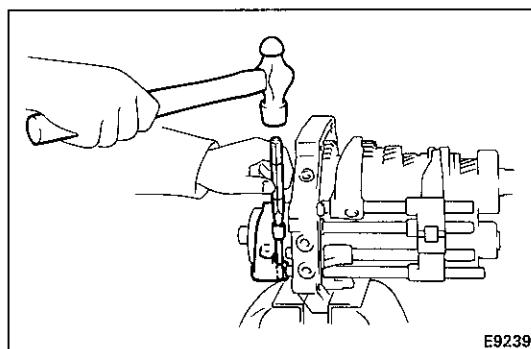


11. REMOVE SHIFTFORK SHAFT SNAP RING

Using two screw drivers and a hammer drive out snap rings.

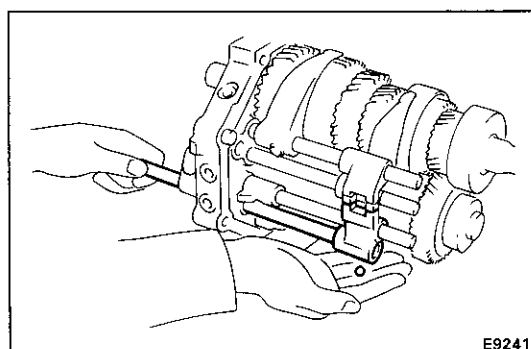
5-Speed: Four snap rings.

4-Speed: Two snap rings.



12. REMOVE SHIFTFORK NO.3 AND SHIFT FORK SHAFT NO.4

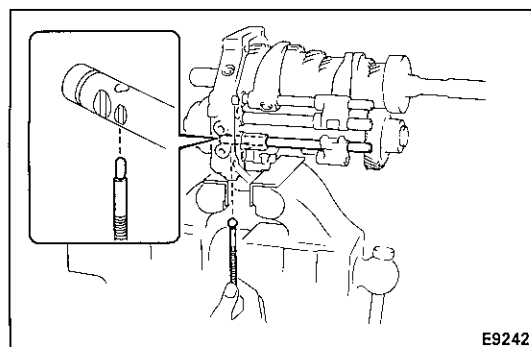
(a) Using a pin punch and a hammer drive out the slotted spring pin.



(b) Remove shift fork shaft No.4.

(c) Remove the ball from reverse shift head.

(d) Remove shift fork No.3.



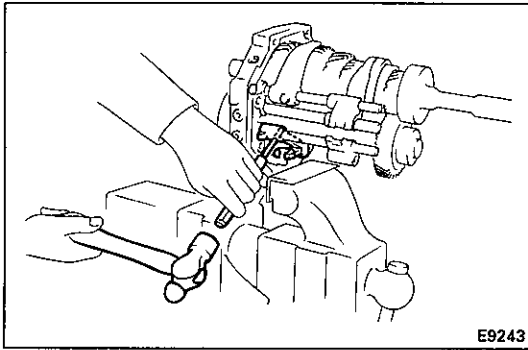
13. REMOVE SHIFT FORK SHAFT NO.3 REVERSE SHIFT HEAD AND FORK

(5-Speed)

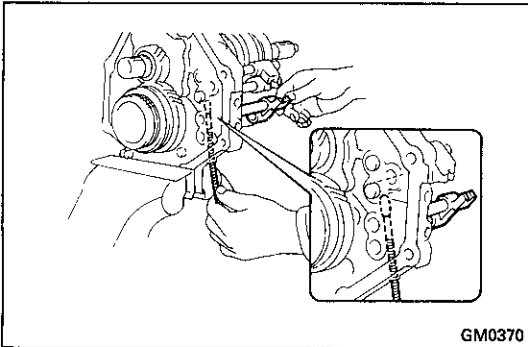
(a) Using a magnetic finger, remove interlock ball No.1.

(5-Speed)

(b) Using a magnetic finger, remove interlock pin No.2 from No.3 shift fork shaft.

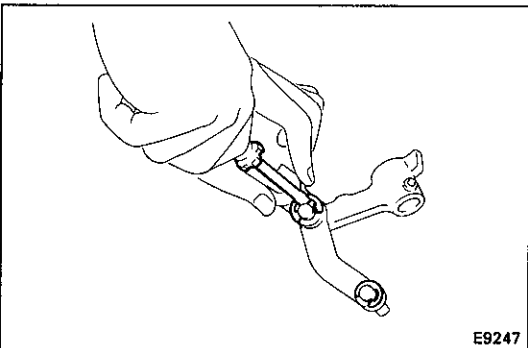


- (c) Using a pin punch and a hammer, drive out the slotted spring pin from reverse shift fork.

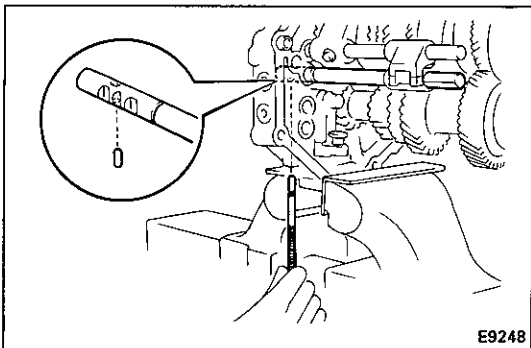


- (d) Remove shift fork shaft No.3 and reverse shift head.

- (e) Remove interlock pin No.1.

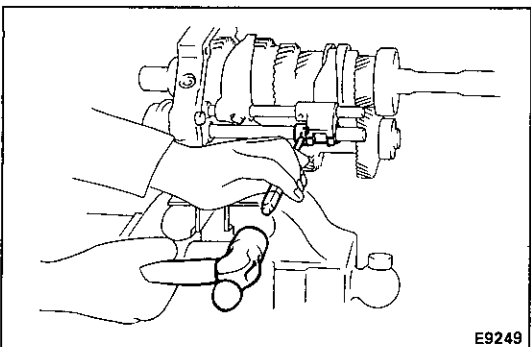


- (f) Remove reverse shift arm and fork.
- (g) Using a screwdriver, remove two E-rings.
- (h) Separate shift arm fork and shoe.

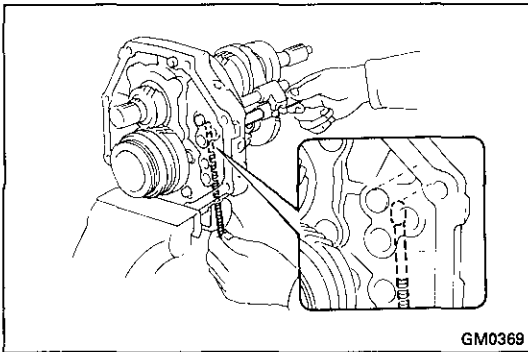


14. REMOVE SHIFT FORK SHAFT NO.2

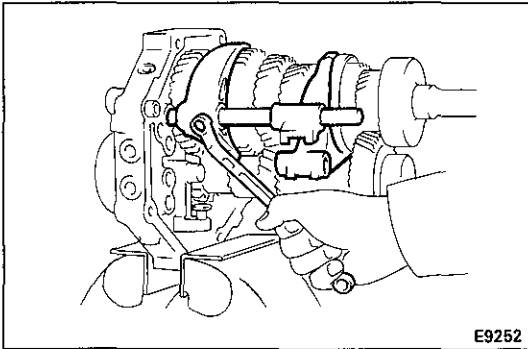
- (a) Using a magnetic finger, remove interlock pin No.2 from No.2 shift fork shaft.



- (b) Using a pin punch and a hammer, drive out the slotted spring pin from No.2 shift fork.

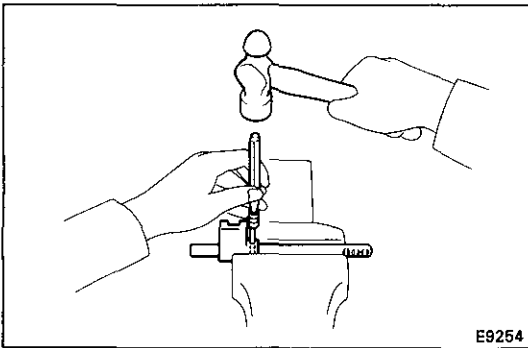


- (c) Remove No.2 shift fork shaft.
- (d) Using a magnetic finger, remove interlock pin No.1.

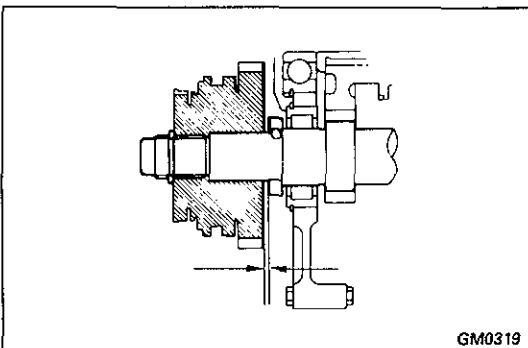


15. REMOVE SHIFT FORK NO.1, SHIFT FORK SHAFT NO.1 AND FIRST AND SECOND SHIFT HEAD

- (a) Remove shift fork No.1 set bolt and shift fork shaft No.1.
- (b) Remove shift fork No.1 and No.2.



- (c) Using a pin punch and a hammer, drive out the slotted spring pin from 1st and 2nd shift head.
- (d) Remove 1st and 2nd shift head from shaft.

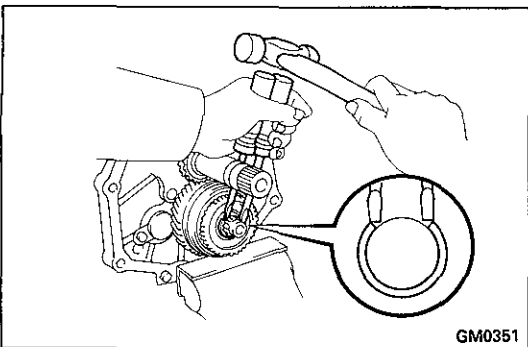


**16. (5-Speed)
MEASURE COUNTER FIFTH GEAR THRUST
CLEARANCE**

Using a feeler gauge, measure the counter 5th gear thrust clearance.

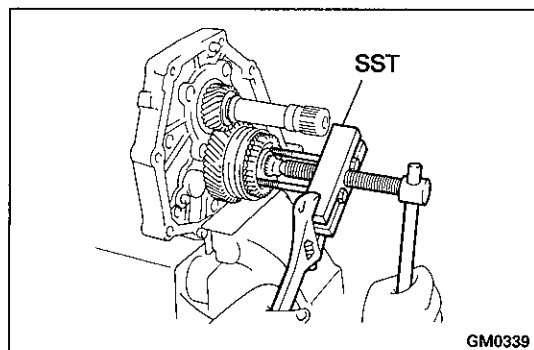
Standard clearance: 0.10 – 0.30 mm
(0.0039 – 0.0118 in.)

Maximum clearance: 0.30 mm (0.0118 in.)



**17.-1 (5-Speed)
REMOVE GEAR SPLINE PIECE NO.5, SYNCHRONIZER
RING, NEEDLE ROLLER BEARINGS AND COUNTER
FIFTH GEAR WITH HUB SLEEVE NO.3**

- (a) Using two screwdrivers and a hammer, top out the snap ring.

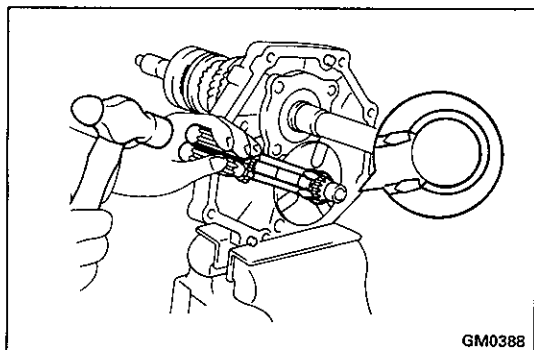


(b) Using SST, remove gear spline piece No.5.

SST 09213-60017

(09213-00020, 09213-00030, 09213-00060)

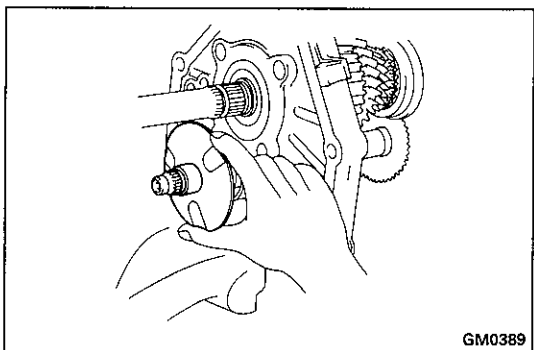
(c) Remove, synchronizing needle roller bearing and counter 5th gear.



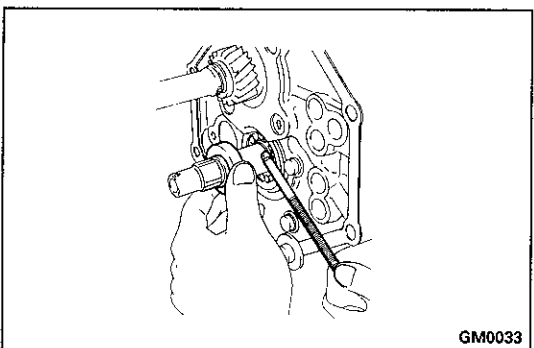
17.-2 (4-Speed)

REMOVE OIL SEPARATOR

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



(b) Remove oil separator.

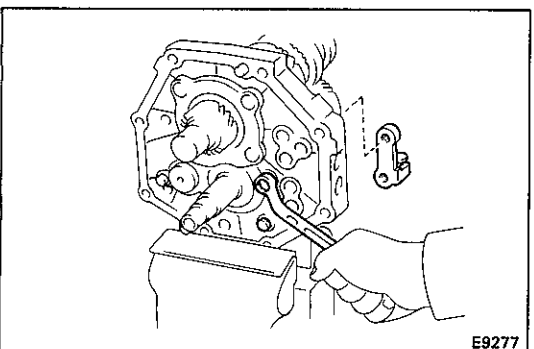


18. (5-Speed)

REMOVE SPACER AND BALL

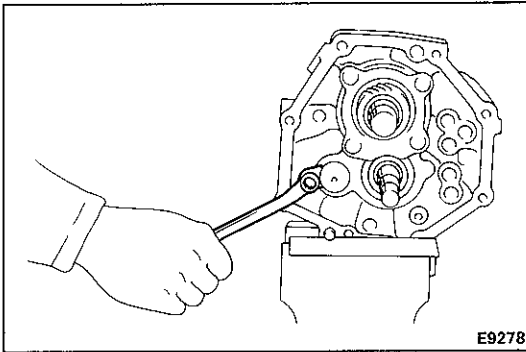
(a) Remove the spacer.

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

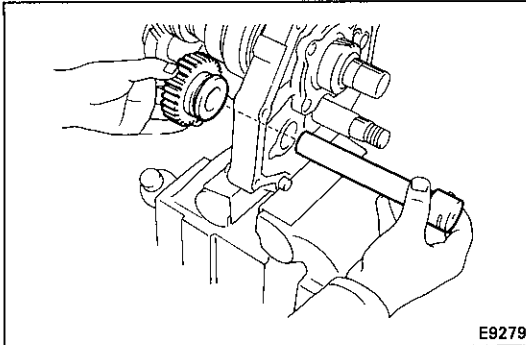


19. REMOVE REVERSE SHIFT ARM BRACKET

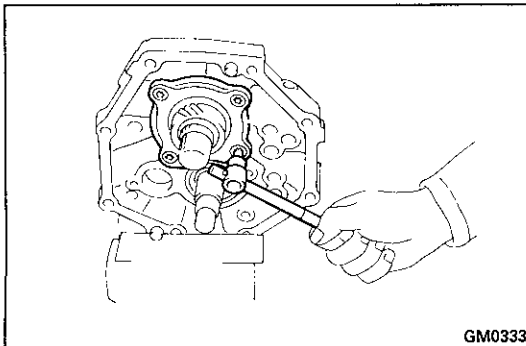
Remove the two bolts and the reverse shift arm bracket.

**20. REMOVE REVERSE IDLER GEAR AND SHAFT**

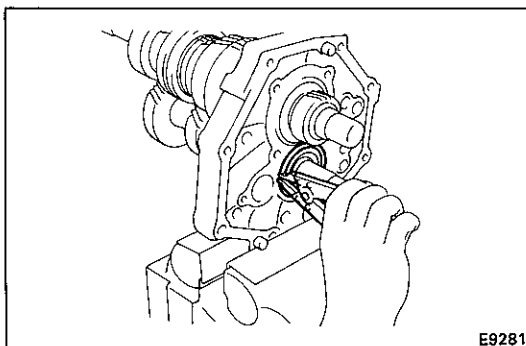
- (a) Remove the reverse idler gear shaft stopper set bolt and remove stopper.



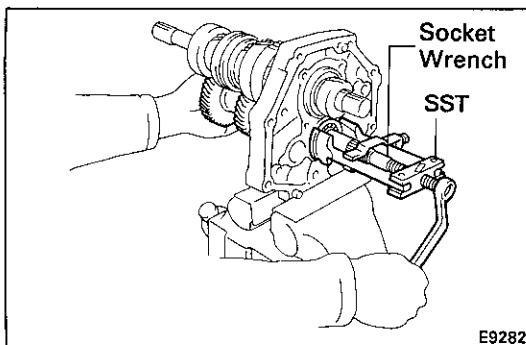
- (b) Remove the reverse idler gear and shaft.

**21. REMOVE REAR BEARING RETAINER**

Using a torx socket wrench, remove the four bolts.
(Torx socket wrench T40 09042-00020)

**22. REMOVE COUNTER GEAR**

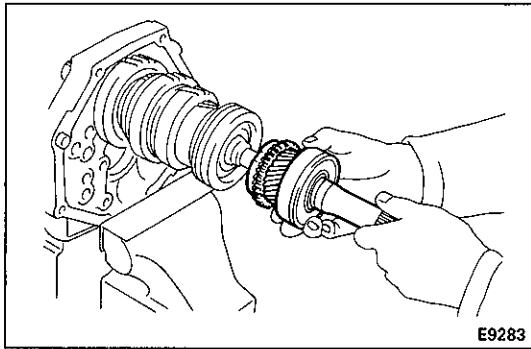
- (a) Using a snap ring pliers, remove counter gear rear bearing snap ring.



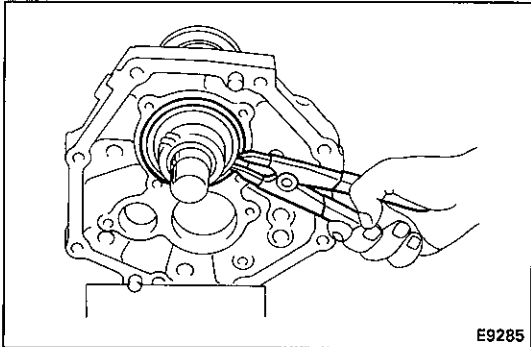
- (b) Using SST and 12 mm socket wrench, remove counter gear rear bearing.

SST 09602-35011

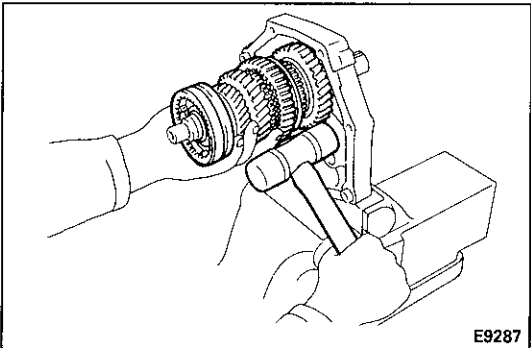
- (c) Remove counter gear.

**23. REMOVE INPUT SHAFT**

Remove input shaft with the 13 needle roller bearing and synchronizer from output shaft.

**24. REMOVE OUTPUT SHAFT**

(a) Using snap ring pliers, remove output shaft center bearing snap ring.



(b) Remove the output shaft from the intermediate plate by pulling on the output shaft and tapping on the intermediate plate with plastic hammer.