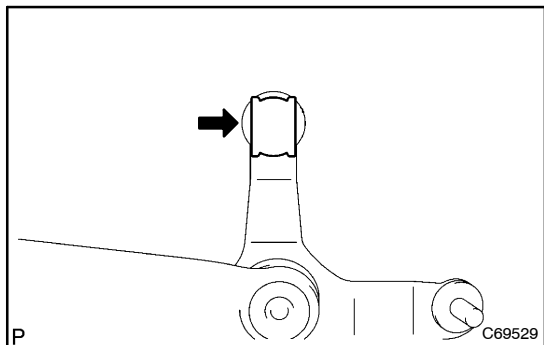


SHIFT & SELECT LEVER SHAFT ASSY (E354)

OVERHAUL

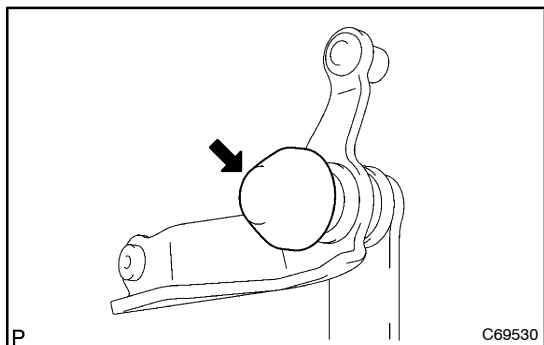
41058-01

HINT:

COMPONENTS: [See page 41-1](#)

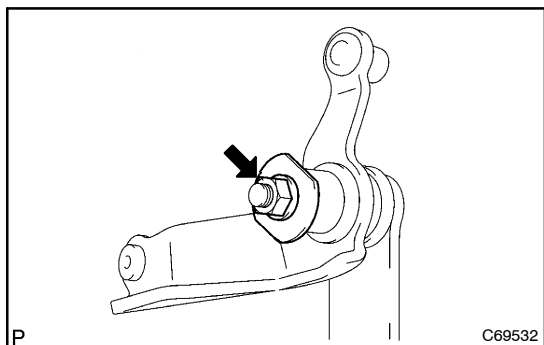
1. REMOVE CONTROL SHIFT LEVER BUSH

- (a) Remove the control shift lever bush from the selecting bellcrank No.2.



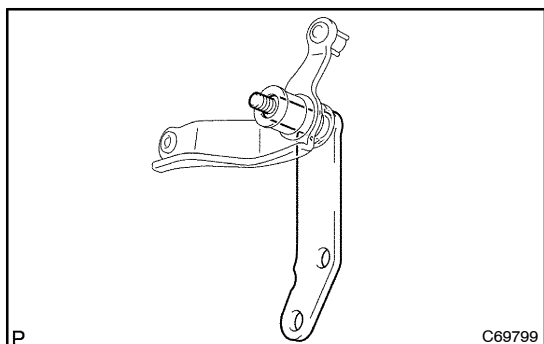
2. REMOVE SELECTING BELLCRANK DUST COVER NO.1

- (a) Remove the selecting bellcrank dust cover No.1 from the selecting bellcrank No.2.

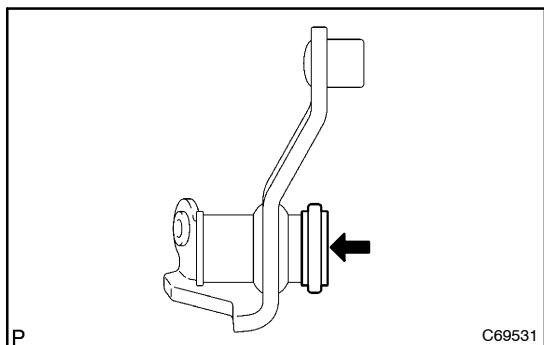


3. REMOVE SELECTING BELLCRANK SUPPORT SUB-ASSY

- (a) Remove the nut, washer and selecting bellcrank No.2 plate washer from the selecting bellcrank No.2.

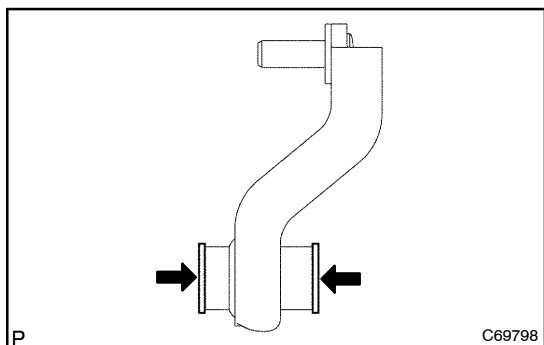


- (b) Remove the selecting bellcrank support sub-assy from the selecting bell crank No.2.



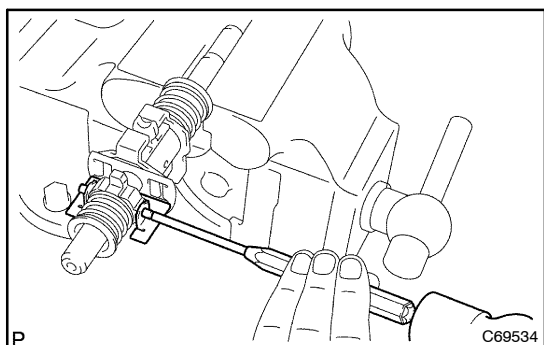
4. REMOVE SELECTING BELLCRANK DUST COVER NO.2

- (a) Remove the selecting bell crank dust cover No.2 from the selecting bellcrank No.2.



5. REMOVE SELECTING BELLCRANK NO.2 BUSH

- (a) Remove the selecting bellcrank bush from the selecting bellcrank No.2.



6. REMOVE SHIFT LEVER INNER NO.2

- (a) Hold the shift & select lever on the vise through the soft jaw.

NOTICE:

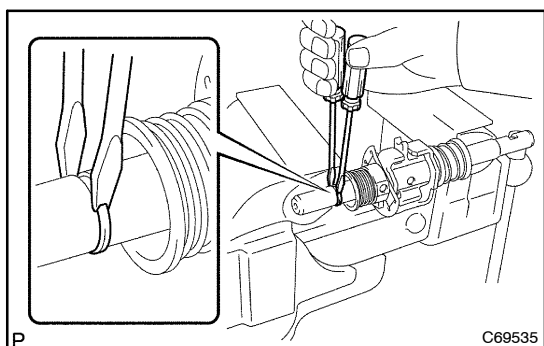
Do not damage the shift & select lever shaft.

- (b) Using a pin punch (ϕ 5 mm), remove the shift & select lever inner slotted pin and oil baffle.

NOTICE:

Do not damage the shift & select lever shaft.

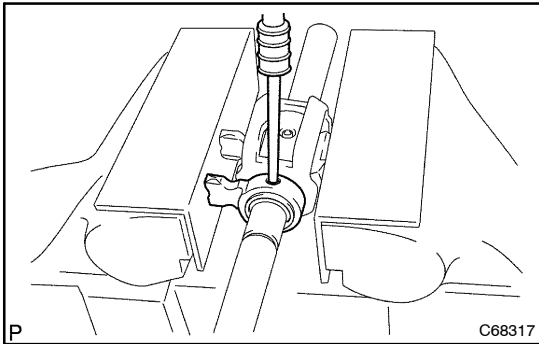
- (c) Apply the force to the select return spring No.1 and select return spring No.2 then hold it on the vise through the soft jaw.



- (d) Using 2 screwdrivers and a hammer, remove the select seat snap ring from the shift & select lever shaft.

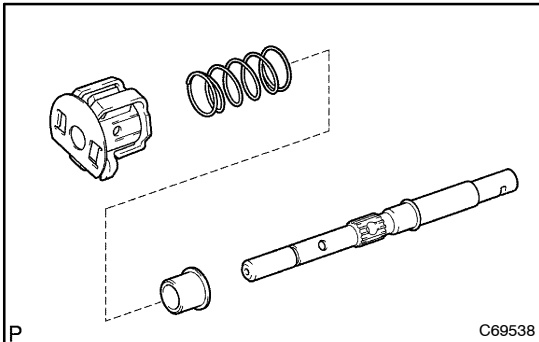
NOTICE:

Do not damage the shift & select lever shaft.

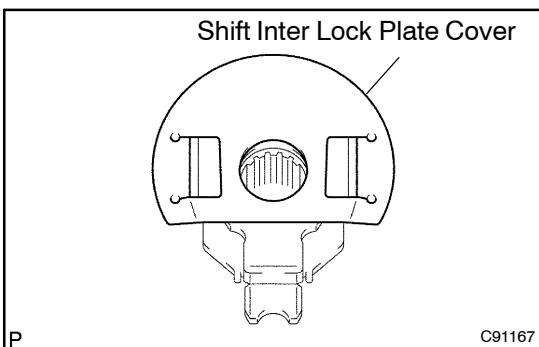


7. REMOVE SELECT SPRING SEAT NO.1

- (a) Using a pin punch (ϕ 5 mm), remove the shift inner lever slotted pin from the shift & select lever shaft.

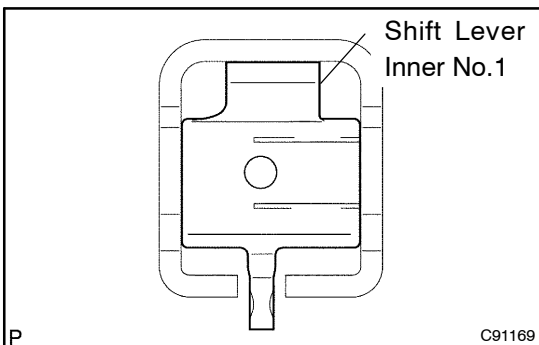


- (b) Remove the shift lever assembly select return spring No.1 and select spring seat from the shift & select lever shaft.



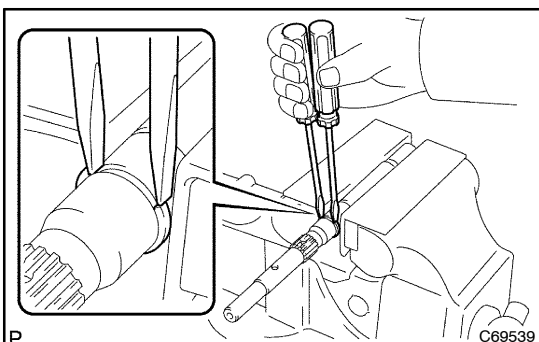
8. REMOVE SHIFT INTER LOCK PLATE COVER

- (a) Remove the shift inter lock plate cover from the shift inter lock plate.



9. REMOVE SHIFT LEVER INNER NO.1

- (a) Remove the shift lever inner No.1 from the shift inter lock plate.

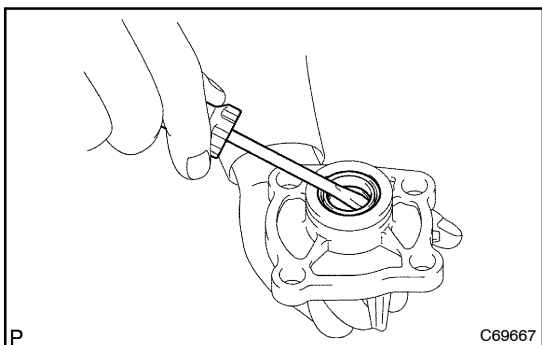


10. REMOVE SELECT SPRING NO.1 SEAT SHAFT SNAP RING

- (a) Using 2 screwdrivers and a hammer, remove the select spring No.1 seat shaft snap ring.

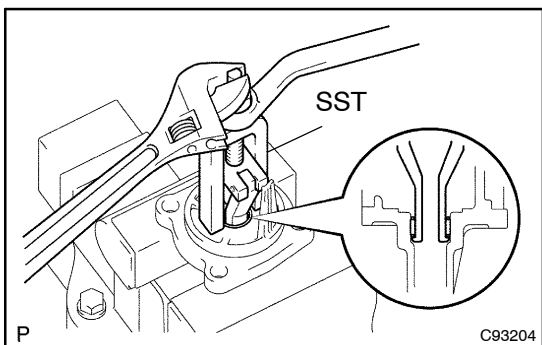
NOTICE:

Do not damage the shaft.



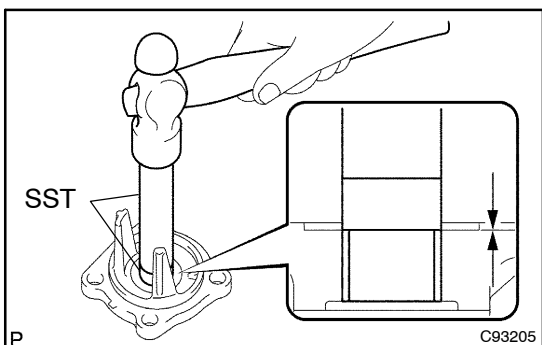
11. REMOVE CONTROL SHAFT COVER OIL SEAL

- (a) Using a screwdriver, remove the control shaft cover oil seal from the control shaft cover.



12. REMOVE CONTROL SHAFT COVER BIMETAL FORMED BUSH

- (a) Using SST, remove the shift & select lever shaft bimetal formed bush.
SST 09319-60020

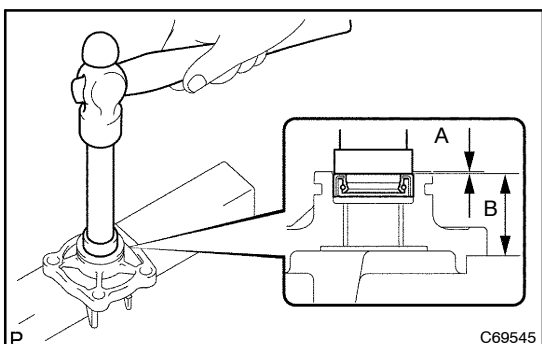


13. INSTALL CONTROL SHAFT COVER BIMETAL FORMED BUSH

- (a) Using SST, install the shift & select lever shaft bimetal formed bush.
SST 09950-60010 (09951-00210), 09950-70010 (09951-07100)

Clearance:

$0 \pm 0.25 \text{ mm}$ ($0 \pm 0.010 \text{ in.}$)



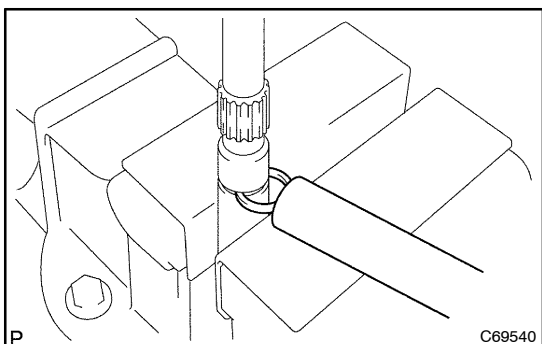
14. INSTALL CONTROL SHAFT COVER OIL SEAL

- (a) Using SST and a hammer, install the control shaft cover oil seal.

Oil seal driven in depth:

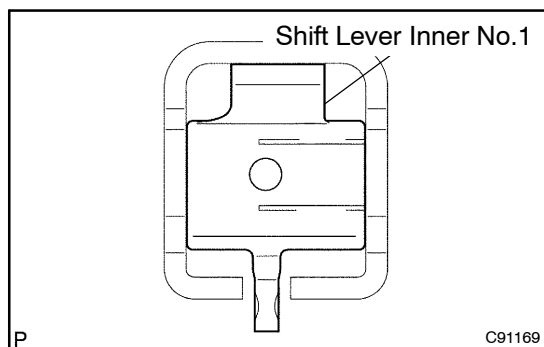
$28.5 \pm 0.50 \text{ mm}$ ($1.122 \pm 0.020 \text{ in.}$)

SST 09950-60010 (09951-00280), 09950-70010 (09951-07100)

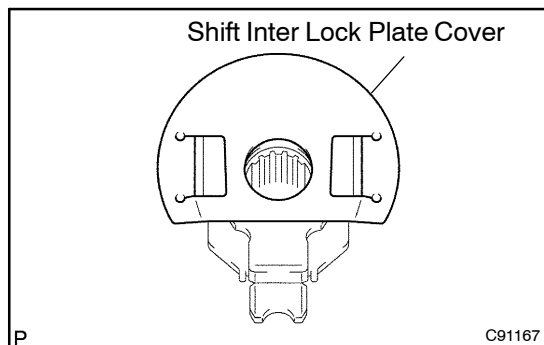


15. INSTALL SELECT SPRING NO.1 SEAT SHAFT SNAP RING

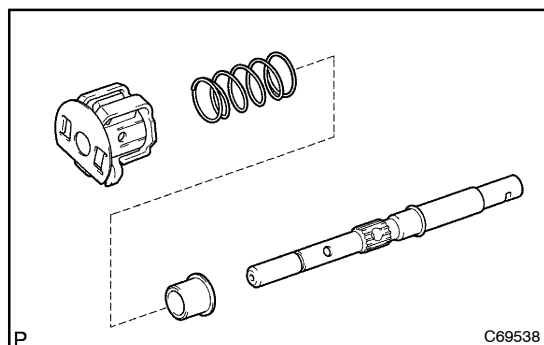
- (a) Using a brass bar and a hammer, install the select spring No.1 seat shaft snap ring.

**16. INSTALL SHIFT LEVER INNER NO.1**

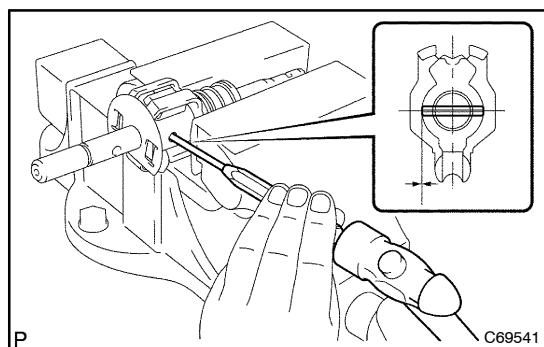
- (a) Install the shift lever inner No.1 to the shift inter lock plate.

**17. INSTALL SHIFT INTER LOCK PLATE COVER**

- (a) Install the shift inter lock plate cover to the shift inter lock plate.

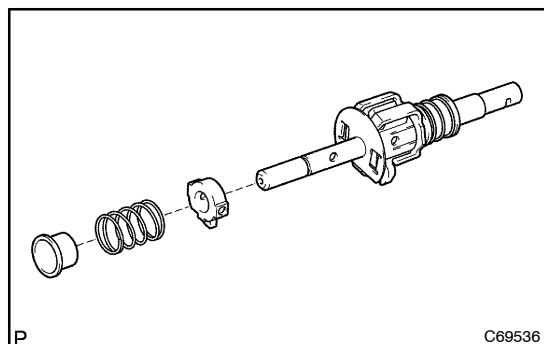
**18. INSTALL SELECT SPRING SEAT NO.1**

- (a) Install the select spring seat No.1, select return spring No.1 and shift lever inner assy to the shift & select lever shaft.

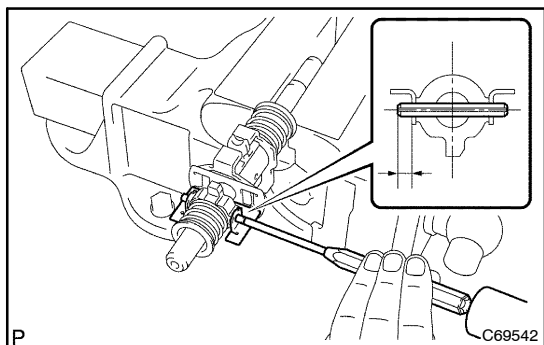


- (b) Hold the shift & select lever on the vise through the soft jaw.
 (c) Using a pin punch (ϕ 5 mm), install the shift lever slotted pin to the shift & select lever shaft.

Clearance: $-0.5 - 0.5$ mm ($-0.0197 - 0.0197$ in.)

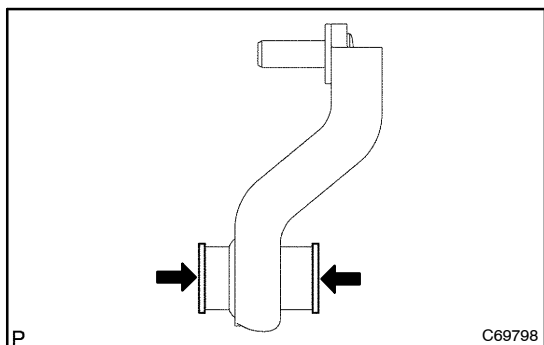
**19. INSTALL SHIFT LEVER INNER NO.2**

- (a) Install the shift lever inner No.2, select return spring No.2 and select return spring seat No.2 to the shift & select lever shaft.
 (b) Using a brass bar and a hammer, install the select seat snap ring to the shift & select lever shaft.



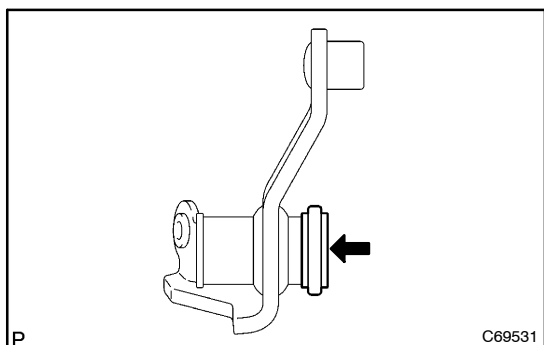
- (c) Install the transmission oil baffle. Using a pin punch(ϕ 5 mm) and a hammer, install the shift inner lever slotted pin to the shift & select lever shaft.

Clearance: 5.8 – 6.8 mm (0.228 – 0.268 in.)



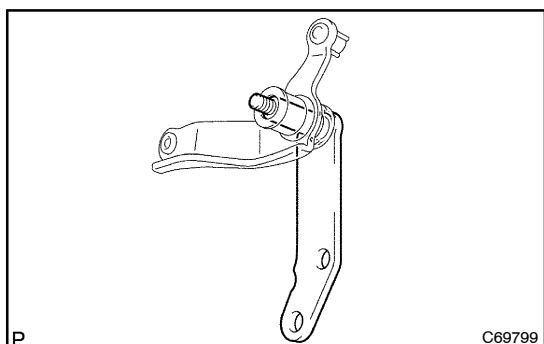
20. INSTALL SELECTING BELLCRANK NO.2 BUSH

- (a) Coat the 2 selecting bellcrank No.2 bushes with MP grease, install it to the selecting bellcrank No.2.



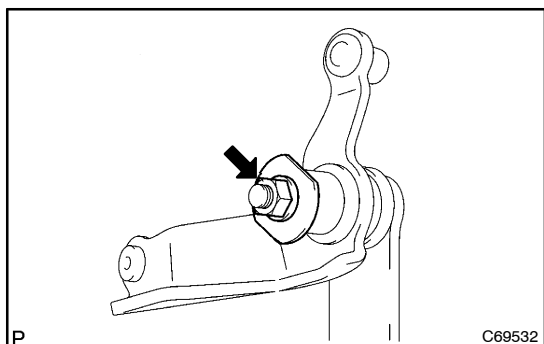
21. INSTALL SELECTING BELLCRANK DUST COVER NO.2

- (a) Coat the selecting bellcrank dust cover No.2 with MP grease, install it to the selecting bellcrank No.2.



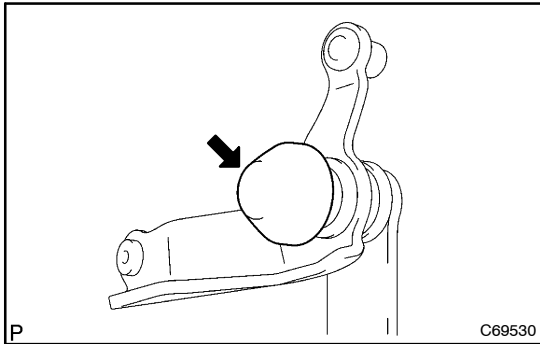
22. INSTALL SELECTING BELLCRANK SUPPORT SUB-ASSY

- (a) Install the selecting bellcrank support sub-assy to the selecting bellcrank No.2.

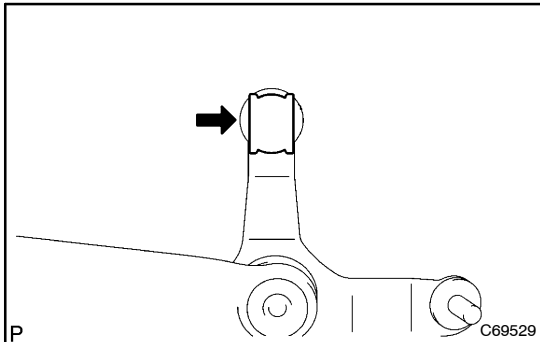


- (b) Install the selecting bellcrank No.2 plate washer, washer and nut.

Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)

**23. INSTALL SELECTING BELLCRANK DUST COVER NO.1**

- (a) Install the selecting bellcrank dust cover No.1 to the selecting bellcrank No.2.

**24. INSTALL CONTROL SHIFT LEVER BUSH**

- (a) Install the control shift lever bush to the selecting bell crank No.2.