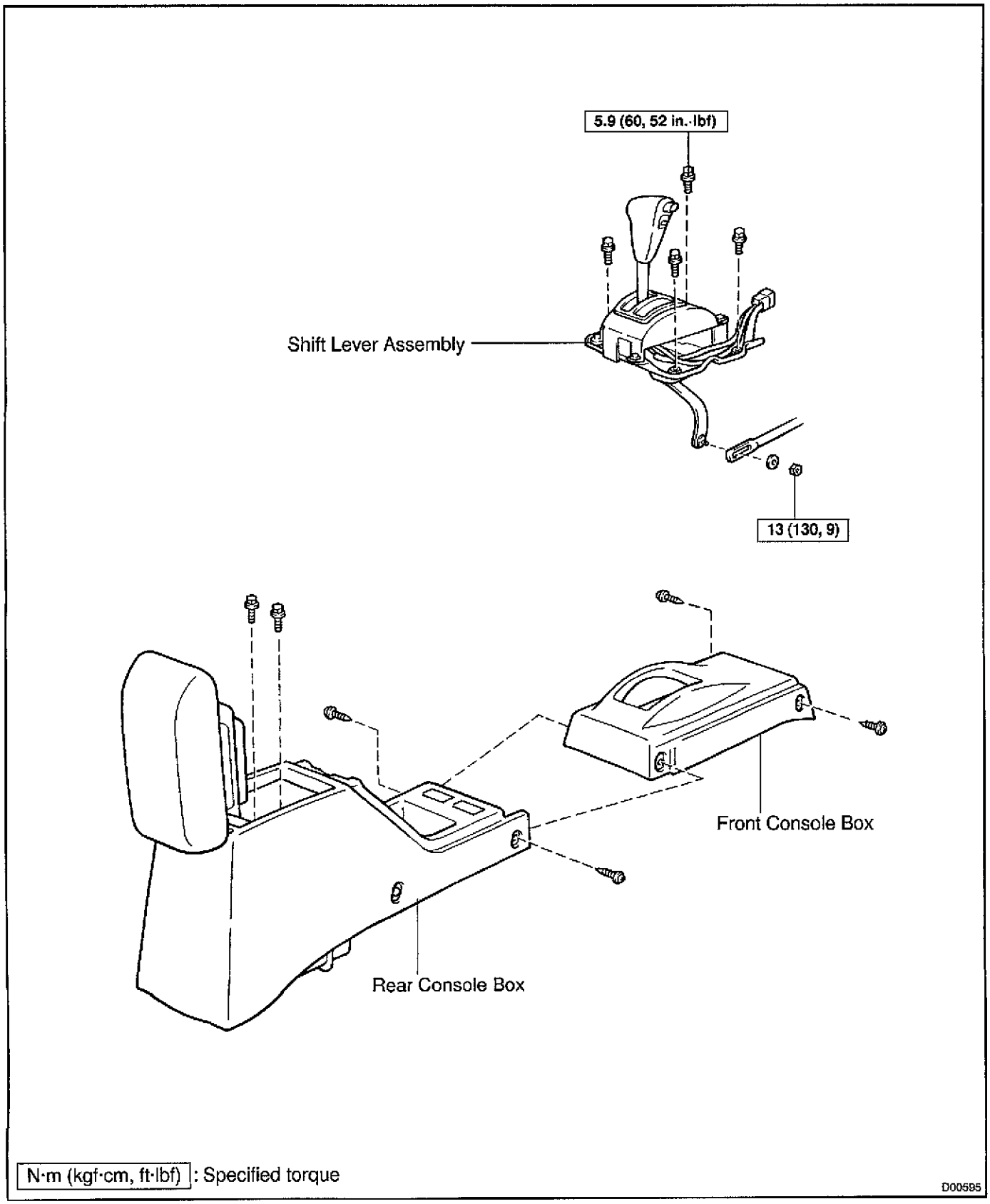
FLOOR SHIFT ASSEMBLY

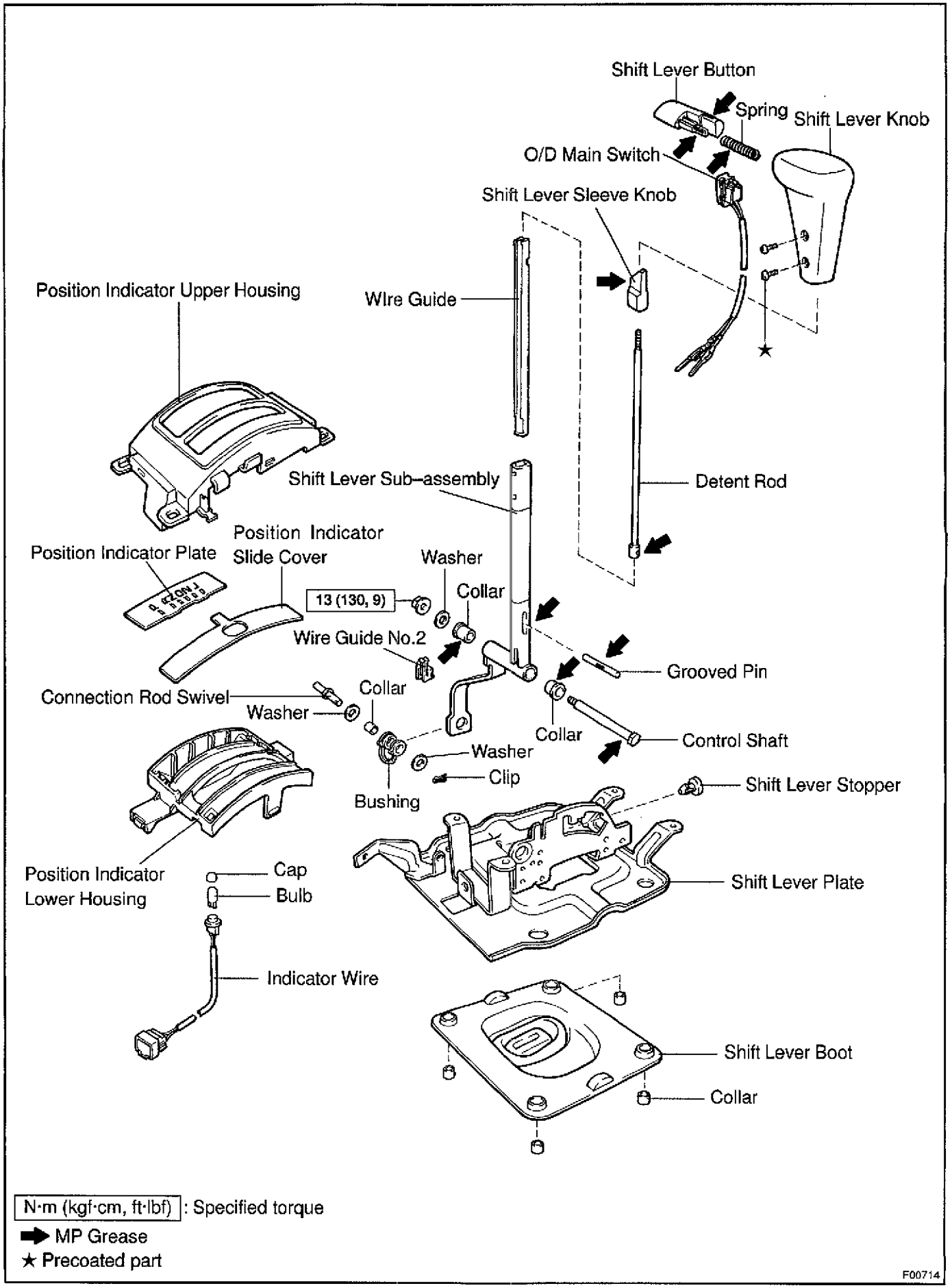
COMPONENTS

AT02T-01



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

D00595



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

➡ MP Grease

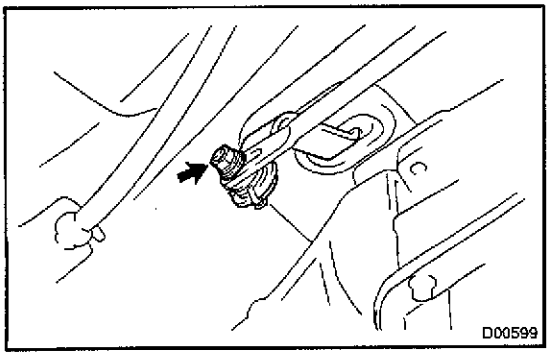
★ Precoated part

F00714

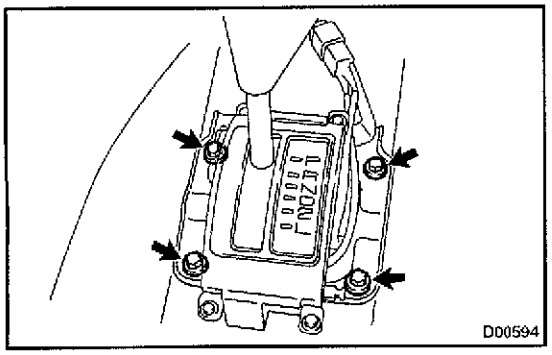
AT02U–01

REMOVAL

1. **REMOVE THESE PARTS:**
   (See page BO–70)
   (a) Rear console box
   (b) Front console box

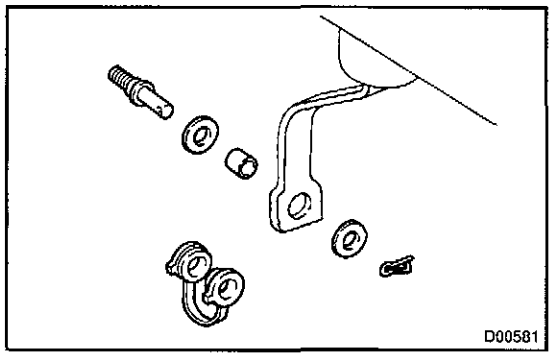


2. **REMOVE SHIFT LEVER ASSEMBLY**
   (a) Remove the nut and washer, and disconnect the shift control rod.
   Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



   (b) Remove the 4 bolts.
   Torque: 5.9 N·m (60 kgf·cm, 52 in.·lbf)
   (c) Disconnect the connector and remove the shift lever assembly.

AT02V-01



DISASSEMBLY

1. REMOVE CONNECTING ROD SWIVEL

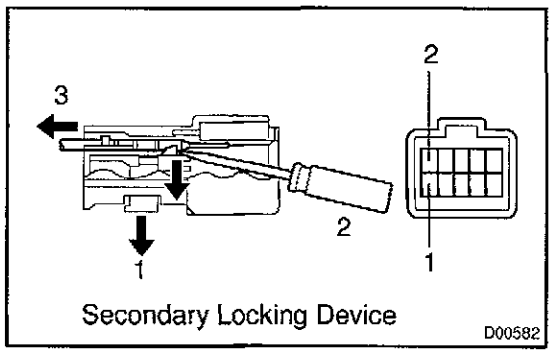
Remove these parts:

- Clip
- Connecting rod swivel
- 2 washers
- Bushing
- Collar

2. REMOVE SHIFT LEVER BOOT AND COLLARS

3. REMOVE O/D MAIN SWITCH TERMINALS AND CLAMP

(a) Remove the O/D main switch connector from the shift lever plate.



Secondary Locking Device

(b) Disengage the secondary locking device.

(c) Release the locking lug of the terminals 1 and 2 , and pull the terminals out from the rear.

4. REMOVE SHIFT LEVER KNOB SUB–ASSEMBLY

(a) Remove the 2 screws and shift lever sub–assembly.

NOTICE:

Take care not to put unnatural load onto O/D main switch wire harness.

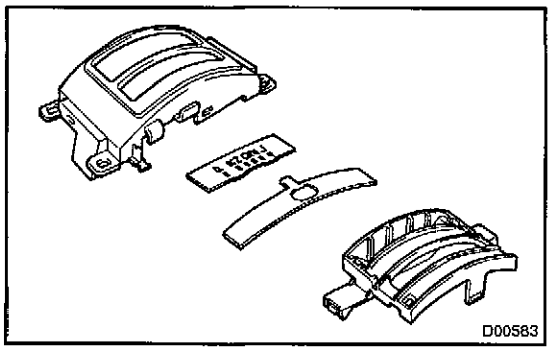
(b) Remove these parts:

- Shift lever button
- Spring
- O/D main switch

5. REMOVE INDICATOR HOUSING

Remove the 4 screws and indicator housing.

6. REMOVE INDICATOR WIRE, BULB AND CAP



7. DISASSEMBLE INDICATOR HOUSING

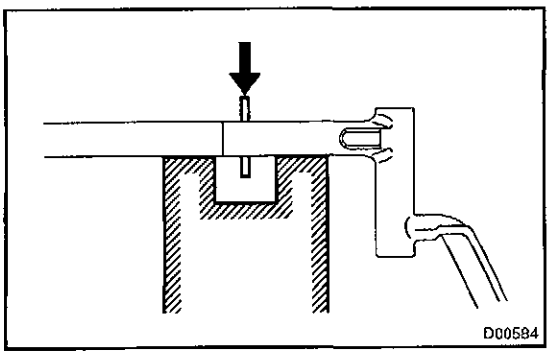
(a) Remove these parts from position indicator upper housing.

- Position indicator lower housing
- Position indicator slide cover
- Position indicator plate

8. REMOVE SHIFT LEVER SUB–ASSEMBLY AND CONTROL SHAFT

(a) Remove the nut, washer, control shift and shift lever sub–assembly.

(b) Remove the 2 control shaft collars from the shift lever sub–assembly.



9. DISASSEMBLE SHIFT LEVER SUB–ASSEMBLY

(a) Using a hammer, remove the grooved pin.

NOTICE:

When pressing in the grooved pin, if doing it at the place other than the notch, there may be fear of damaging the shift lever sub–assembly.

(b) Remove the shift lever sleeve knob and spring.

(c) Remove the wire guide No.2.

(d) Remove the detent rod with wire guide from the shift lever sub–assembly.

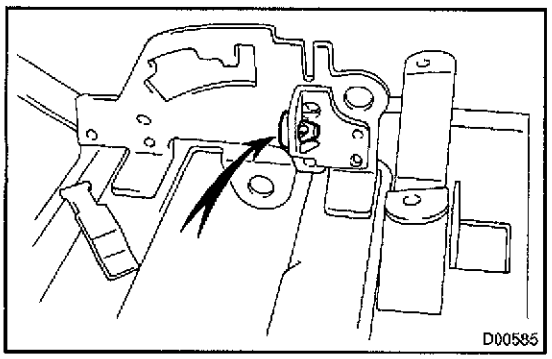
(e) Remove the detent rod from the wire guide.

10. REMOVE SHIFT LEVER STOPPER

AT02W–01

REASSEMBLY

1. INSTALL SHIFT LEVER STOPPER

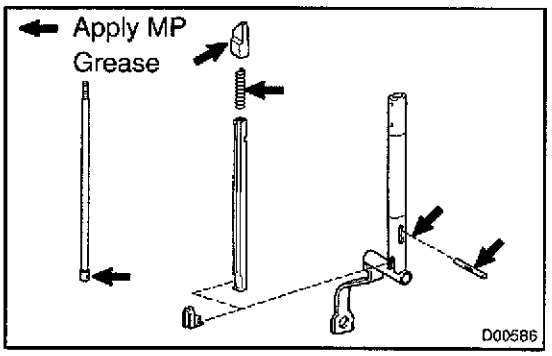


2. ASSEMBLE SHIFT LEVER SUB–ASSEMBLY

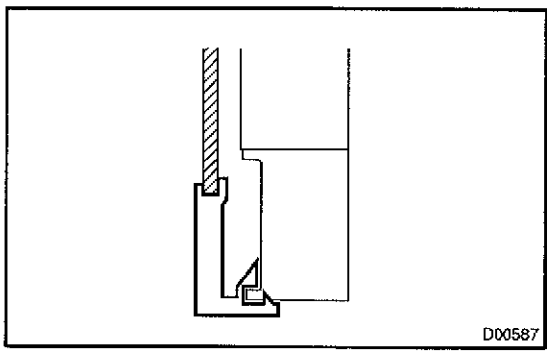
(a) Apply MP grease to the detent rod, grooved pin, shift lever sub–assembly, spring and shift lever sleeve knob.

(b) Install the detent rod to the wire guide.

(c) Install the detent rod with wire guide to the shift lever sub–assembly.



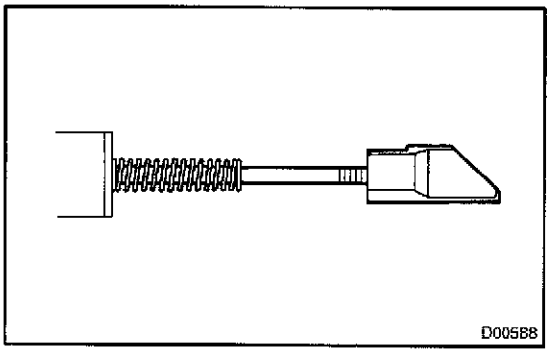
(d) Install the wire guide No.2.



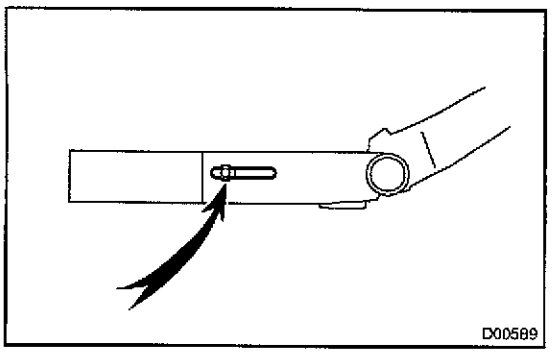
(e) Install the spring and shift lever knob sleeve.

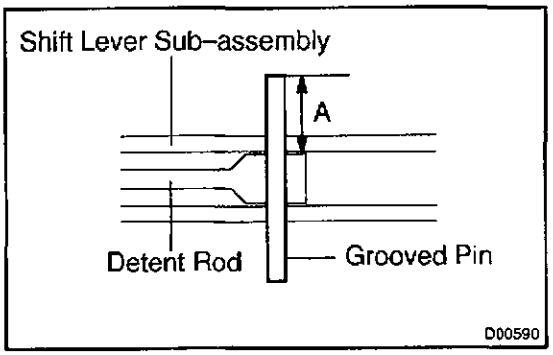
HINT:

Screw the shift lever knob sleeve until its length becomes as long as before assembling.



(f) Meet the grooved pin with the notch of the guide hole.

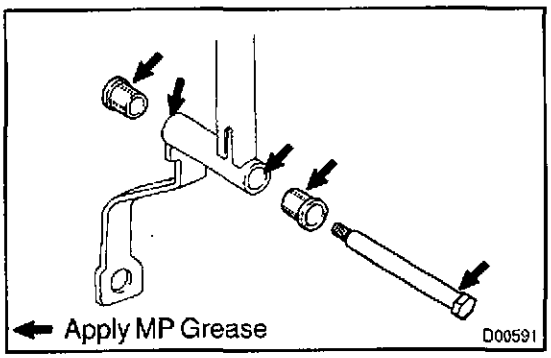




(g) Using a hammer, install the grooved pin.
A: 13.6 mm (0.5 in.)

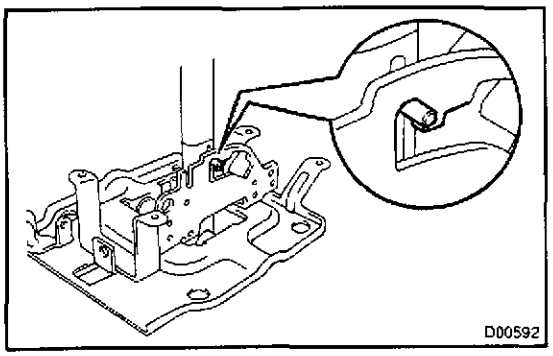
NOTICE:
When pressing in the grooved pin, if doing it at the place other than the notch, there may be fear of damaging the shift lever sub–assembly.

3. CHECK DETENT ROD OPERATION



4. INSTALL CONTROL SHAFT AND SHIFT LEVER SUB–ASSEMBLY

(a) Apply MP grease to the 2 control shaft collars, control shaft and shift lever sub–assembly.
(b) Install the 2 control shaft collars to the shift lever sub–assembly.
(c) Install the shift lever sub–assembly, control shaft, washer and nut.
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



NOTICE:
Install the grooved pin into the groove of the shift lever plate as shown in the illustration.

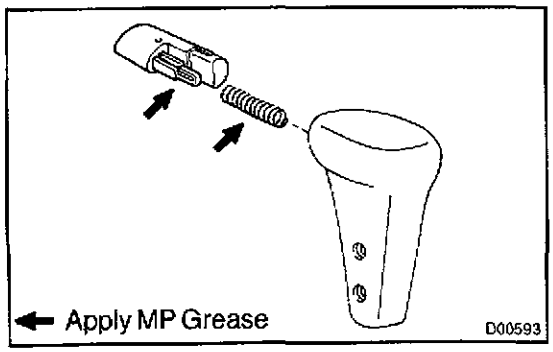
5. ASSEMBLE INDICATOR HOUSING

(a) Install the position indicator plate to the position indicator upper housing.
(b) Install the position indicator slide cover to the position indicator upper housing.
(c) Install the lower indicator housing to position indicator upper housing.

6. INSTALL CAP, BULB AND INDICATOR WIRE

7. INSTALL INDICATOR HOUSING

Install the 4 screws and upper indicator housing.



8. INSTALL SHIFT LEVER KNOB SUB–ASSEMBLY

(a) Apply MP grease to the spring and shift lever button.
(b) Install these parts:
- O/D main switch
- Spring
- Shift lever button

(c) Install the shift lever knob sub–assembly and 2 screws.

HINT:

Coat the threads of the screws with sealant.

Sealant:
Part No. 08833–00080, THREE BOND 1344, LOCTITE 242 or equivalent

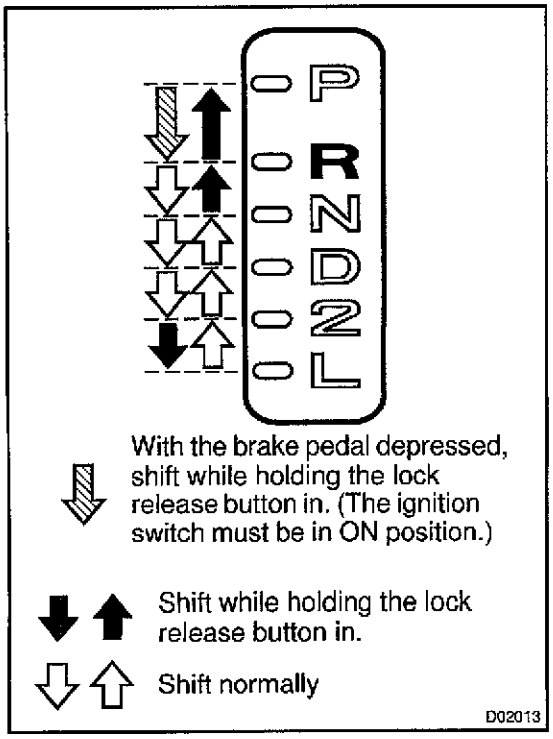
9. INSTALL O/D MAIN SWITCH TERMINALS AND CLAMP

10. INSTALL SHIFT LEVER BOOT AND COLLARS

11. INSTALL CONNECTING ROD SWIVEL

Install these parts:

- Collar
- Bushing
- 2 washers
- Connecting rod swivel
- Clip



AT02X-01

INSTALLATION

Installation is in the reverse order of removal (See page AT–20).

HINT:

After installation, adjust shift lever range (See page DI–4) and inspect shift lever operation.

- When shifting it to each range, make sure that the shifting lever moves smoothly, can be moderately operated and the range indicator displays correctly.
  Ranges which can be operated without pressing the shift lever nob button
  R → N → D→ 2
  Ranges which can be operated only with pressing the shift lever nob button
  P → R, 2 → L, N → R → P
- When starting the engine, make sure that the vehicle moves forward when shifting from N to D range, and moves rearward when shifting to R range.