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|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------|
| <b>Last Modified:</b> 12-21-2017                                                                                                        | <b>6.8:8.0.48</b>   | <b>Doc ID:</b> RM100000000T2X3       |
| <b>Model Year Start:</b> 2016                                                                                                           | <b>Model:</b> LX570 | <b>Prod Date Range:</b> [09/2015 - ] |
| <b>Title:</b> AE80F AUTOMATIC TRANSMISSION / TRANSAXLE: PARK / NEUTRAL POSITION SWITCH: INSTALLATION; 2016 - 2018 MY LX570 [09/2015 - ] |                     |                                      |

## INSTALLATION

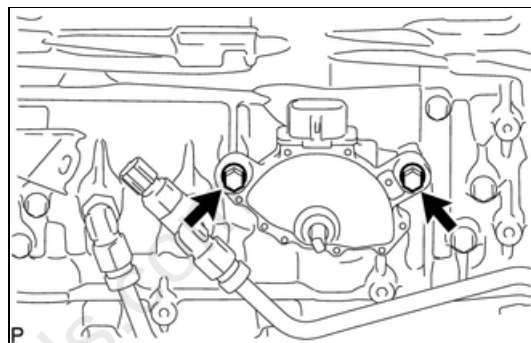
### PROCEDURE

#### 1. INSTALL PARK/NEUTRAL POSITION SWITCH ASSEMBLY

##### HINT:

Make sure that the manual valve lever shaft has not been rotated prior to installing the park/neutral position switch assembly as the detent spring may become detached from the manual valve lever shaft.

- (a) Install the park/neutral position switch assembly to the manual valve lever shaft.



- (b) Temporarily install the park/neutral position switch assembly with the 2 bolts.

##### HINT:

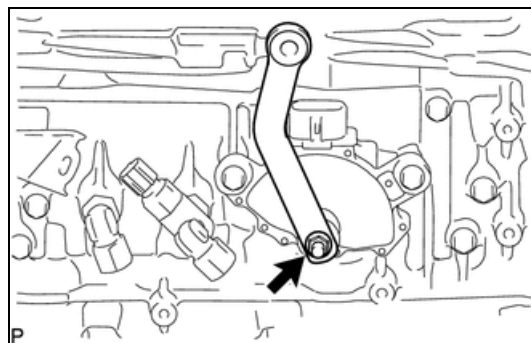
Tighten the bolt to the specified torque when adjusting the park/neutral position switch assembly.

- (c) Install the lock washer and the nut.

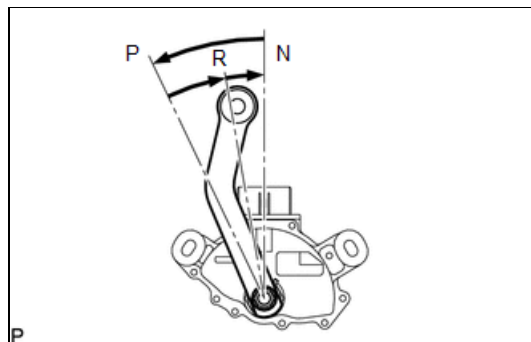
##### Torque:

**6.9 N·m {70 kgf·cm, 61 in·lbf}**

- (d) Install the No. 1 shift lever bush to the transmission control shaft lever.  
(e) Install the bush to the transmission control shaft lever.



- (f) Temporarily install the transmission control shaft lever.



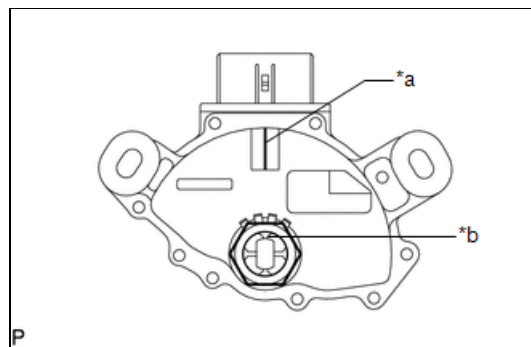
- (g) Turn the transmission control shaft lever counterclockwise until it stops, and then turn it clockwise 2 notches to set it to the N position.

- (h) Remove the transmission control shaft lever.

(i) Align the groove with the neutral basic line.

**Text in Illustration**

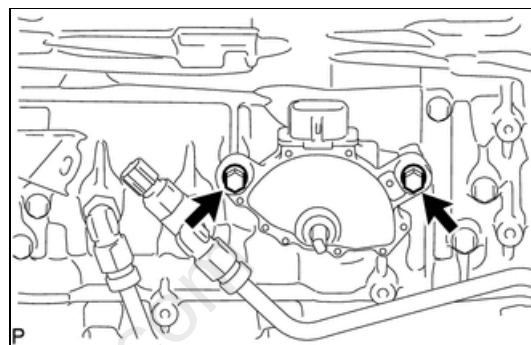
|    |                    |
|----|--------------------|
| *a | Neutral Basic line |
| *b | Groove             |



(j) Hold the park/neutral position switch assembly in the position described above and tighten the 2 bolts.

**Torque:**

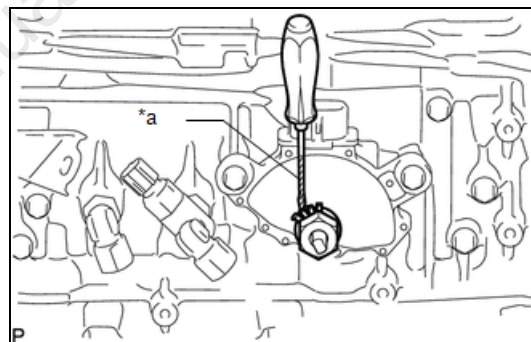
**5.4 N·m {55 kgf·cm, 48 in·lbf}**



(k) Using a screwdriver, bend the tabs of the lock washer.

**Text in Illustration**

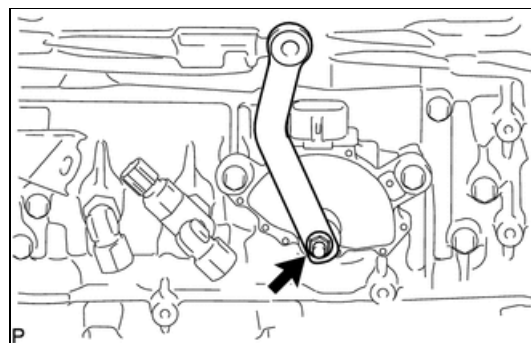
|    |                 |
|----|-----------------|
| *a | Protective Tape |
|----|-----------------|



(l) Install the transmission control shaft lever with the spring washer and nut.

**Torque:**

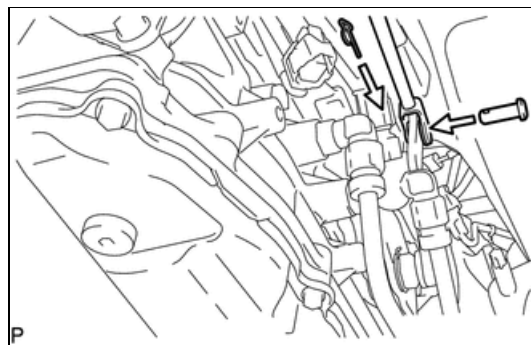
**16 N·m {163 kgf·cm, 12 ft·lbf}**



(m) Connect the switch connector.

**2. CONNECT FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSEMBLY**

- (a) Connect the floor shift gear shifting rod sub-assembly to the transmission control shaft lever with the pin.



- (b) Install a new clip.

### 3. INSPECT SHIFT LEVER POSITION

INFO

### 4. INSPECT PARK/NEUTRAL POSITION SWITCH ASSEMBLY

(See page [INFO](#) )

### 5. INSTALL NO. 3 FRONT FLOOR HEAT INSULATOR

- (a) Install the No. 3 front floor heat insulator with the 4 nuts.

**Torque:**

5.0 N·m {51 kgf·cm, 44 in·lbf}

### 6. INSTALL FRONT EXHAUST PIPE ASSEMBLY

(See page [INFO](#) )

### 7. INSPECT FOR EXHAUST GAS LEAK

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