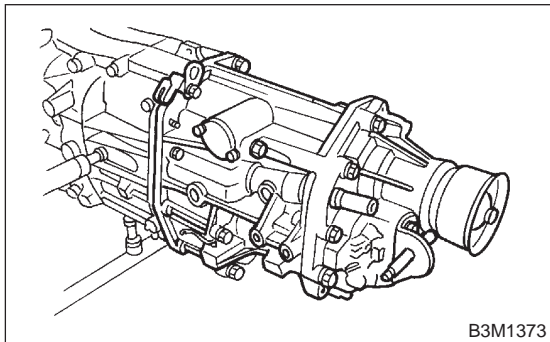


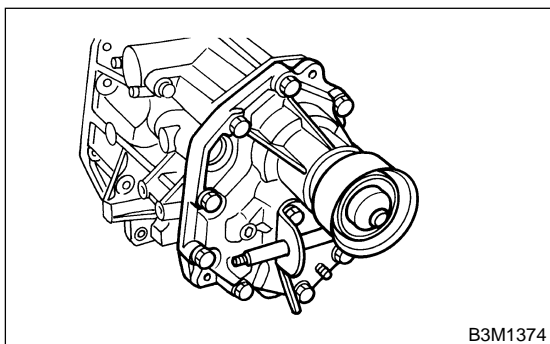
## 10. Transfer Case and Extension Case Assembly S503561

### A: REMOVAL S503561A18

- 1) Remove the manual transmission assembly from vehicle. <Ref. to MT-27 REMOVAL, Manual Transmission Assembly.>
- 2) Remove back-up light switch and neutral position switch. <Ref. to MT-36 REMOVAL, Switches and Harness.>
- 3) Remove transfer case with extension case assembly.

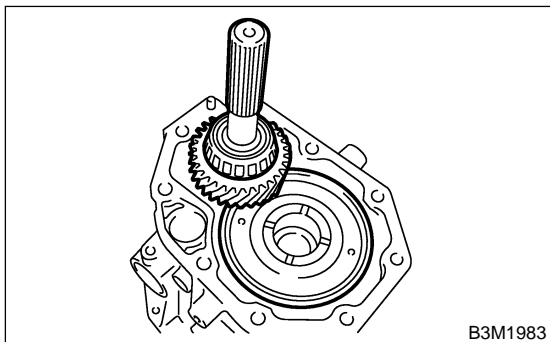


- 4) Remove shifter arm.
- 5) Remove extension case assembly.



### B: INSTALLATION S503561A11

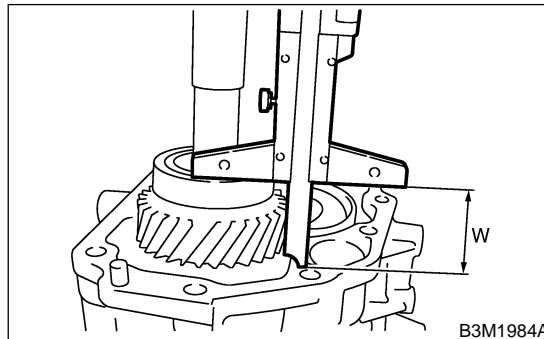
- 1) Install center differential and transfer driven gear into transfer case.



- 2) Measure height "W" between transfer case and ball bearing on the transfer driven gear.

NOTE:

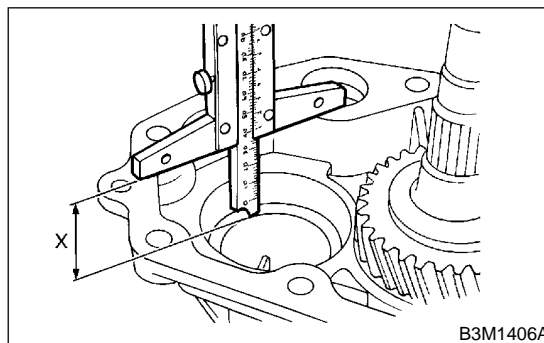
Measure with bearing cone equipped.



- 3) Measure depth "X".

NOTE:

Measure with bearing cone equipped.



- 4) Calculate space "t" using the following equation:  $t = X - W + 0.2$  to  $0.3$  mm (0.008 to 0.012 in)

- 5) Select nearest washer in the following table:

**Standard clearance between thrust washer and taper roller bearing:**

**0.2 — 0.3 mm T (0.008 — 0.012 in T)**

NOTE:

T: Tight

# TRANSFER CASE AND EXTENSION CASE ASSEMBLY

Manual Transmission and Differential

Thrust washer (50 × 61 × t)	
Part No.	Thickness mm (in)
803050060	0.50 (0.0197)
803050061	0.55 (0.0217)
803050062	0.60 (0.0236)
803050063	0.65 (0.0256)
803050064	0.70 (0.0276)
803050065	0.75 (0.0295)
803050066	0.80 (0.0315)
803050067	0.85 (0.0335)
803050068	0.90 (0.0354)
803050069	0.95 (0.0374)
803050070	1.00 (0.0394)
803050071	1.05 (0.0413)
803050072	1.10 (0.0433)
803050073	1.15 (0.0453)
803050074	1.20 (0.0472)
803050075	1.25 (0.0492)
803050076	1.30 (0.0512)
803050077	1.35 (0.0531)
803050078	1.40 (0.0551)
803050079	1.45 (0.0571)

10) Select suitable washer in the following table:

**Standard clearance:**

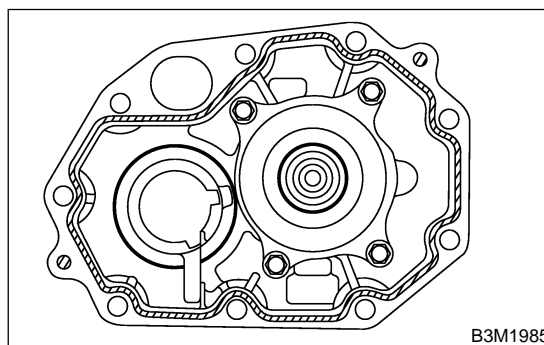
**0.15 — 0.35 mm (0.0059 — 0.0138 in)**

Thrust washer	
Part No.	Thickness mm (in)
803036050	0.9 (0.035)
803036054	1.0 (0.039)
803036051	1.1 (0.043)
803036055	1.2 (0.047)
803036052	1.3 (0.051)
803036056	1.4 (0.055)
803036053	1.5 (0.059)
803036057	1.6 (0.063)
803036058	1.7 (0.067)

- 11) Fit thrust washer on center differential.  
 12) Apply proper amount of liquid gasket to the transfer case mating surface.

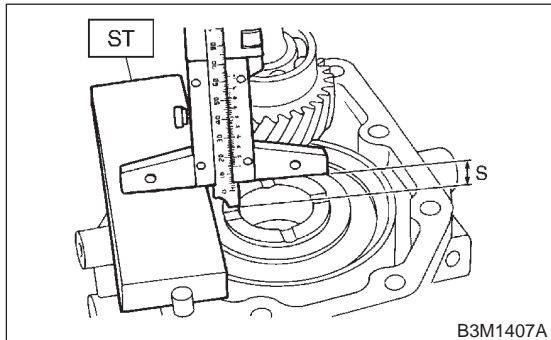
**Liquid gasket:**

**THREE BOND 1215B**



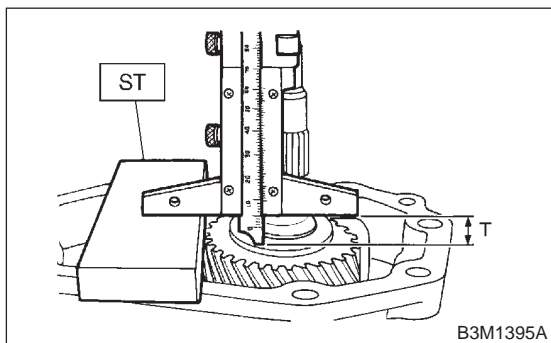
- 6) Fit thrust washers on transfer drive shaft.  
 7) Measure depth "S" between transfer case and center differential.

ST 398643600 GAUGE



- 8) Measure depth "T" between extension case and transfer drive gear.

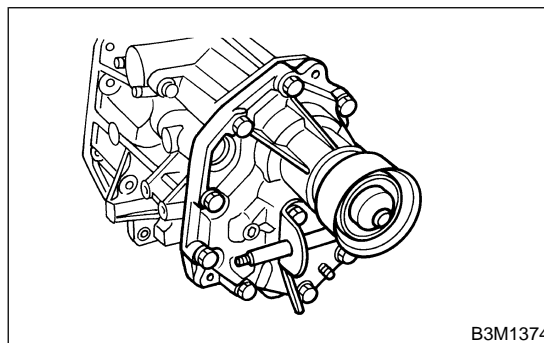
ST 398643600 GAUGE



- 13) Install extension assembly into transfer case.

**Tightening torque:**

**37 N·m (3.8 kgf-m, 27.5 ft-lb)**

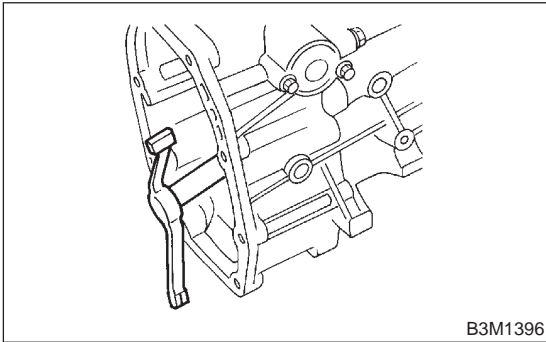


- 9) Calculate space "U" using the following equation:  $U = S - T$

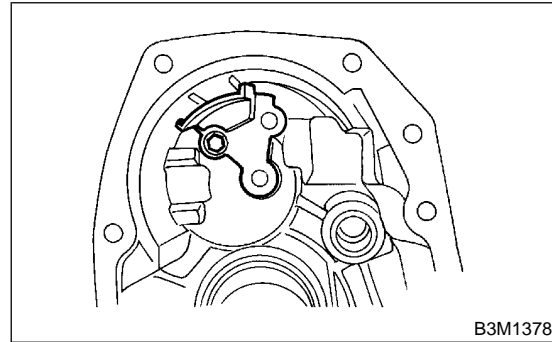
# TRANSFER CASE AND EXTENSION CASE ASSEMBLY

Manual Transmission and Differential

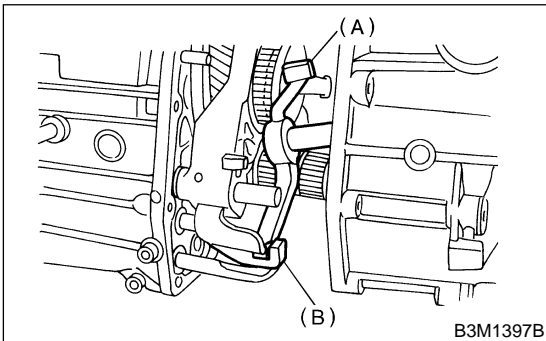
14) Install shifter arm to transfer case.



2) Remove oil guide.



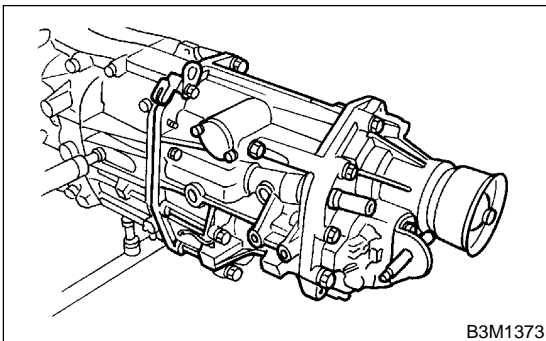
15) Hang the shifter arm on the 3rd-4th fork rod.



16) Install transfer case with extension assembly to transmission case.

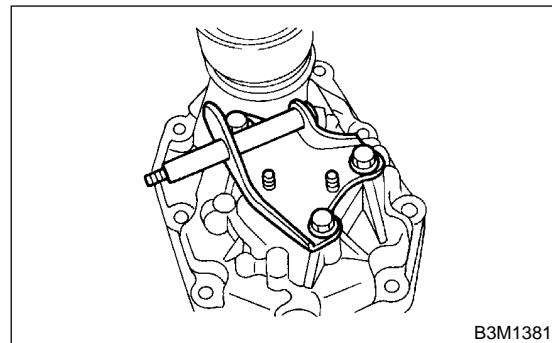
**Tightening torque:**

**24.5 N·m (2.50 kgf·m, 18.1 ft·lb)**



## 2. EXTENSION CASE S503561A0602

- 1) Remove transfer drive gear assembly. <Ref. to MT-43 REMOVAL, Transfer Drive Gear.>
- 2) Remove shift bracket.



- 3) Remove oil seal from extension case. <Ref. to MT-35 Oil Seal.>

## D: ASSEMBLY S503561A02

### 1. EXTENSION CASE S503561A0201

- 1) Using ST, install oil seal to extension case. <Ref. to MT-35, Oil Seal.>

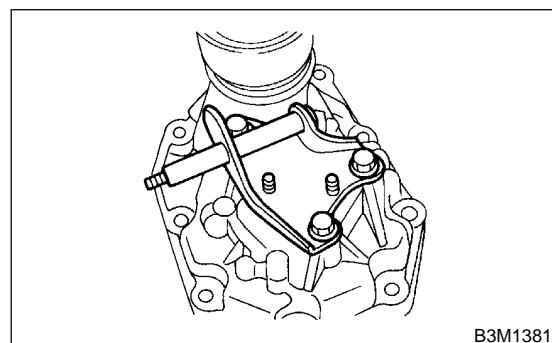
**CAUTION:**

**Use new oil seal.**

- 2) Install shift bracket to extension case.

**Tightening torque:**

**25 N·m (2.5 kgf·m, 18.1 ft·lb)**



## C: DISASSEMBLY S503561A06

### 1. TRANSFER CASE S503561A0601

- 1) Remove reverse check assembly. <Ref. to MT-48 REMOVAL, Reverse Check Removal.>

# TRANSFER CASE AND EXTENSION CASE ASSEMBLY

Manual Transmission and Differential

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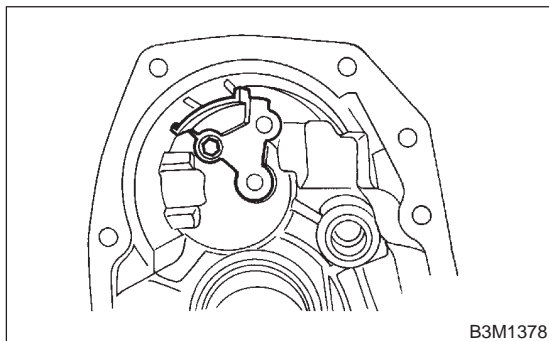
3) Install transfer drive gear to extension case.  
<Ref. to MT43 INSTALLATION, Transfer Drive Gear.>

## 2. TRANSFER CASE S503561A0202

1) Install oil guide to transfer case.

**Tightening torque:**

**6.4 N·m (0.65 kgf·m, 4.7 ft·lb)**



2) Install reverse check sleeve assembly to transfer case. <Ref. to MT-48 INSTALLATION, Reverse Check Sleeve.>