

# GENERAL DESCRIPTION

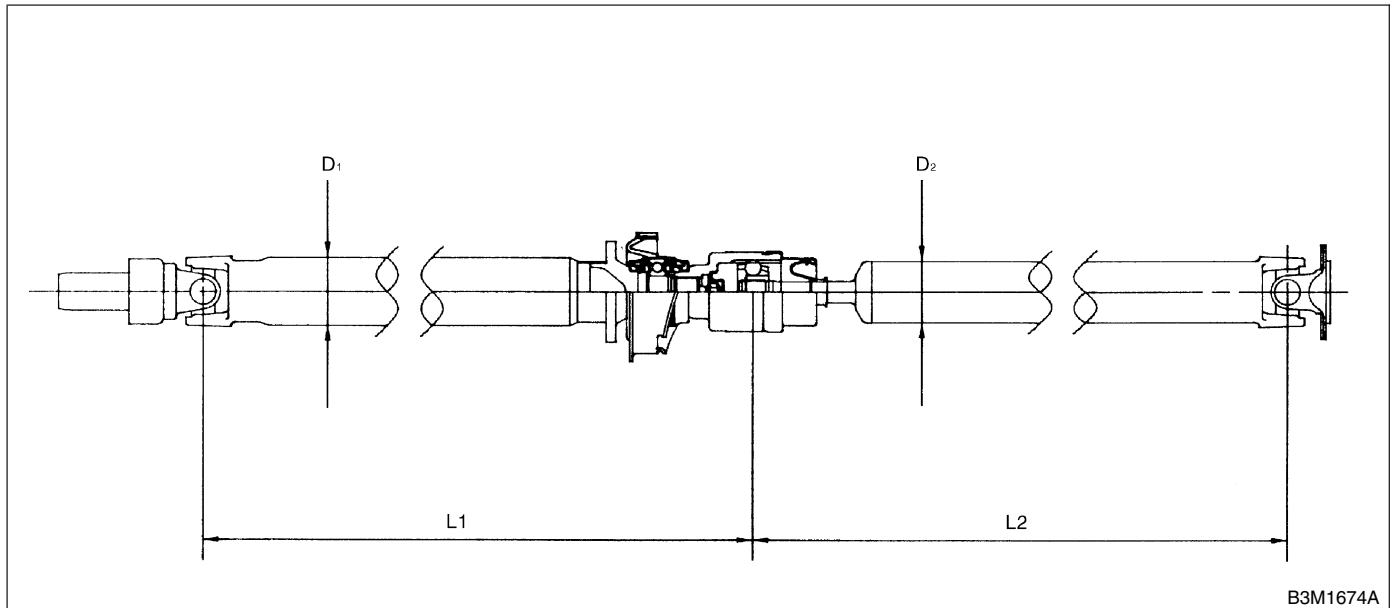
Drive Shaft System

## 1. General Description S301001

### A: SPECIFICATIONS S301001E49

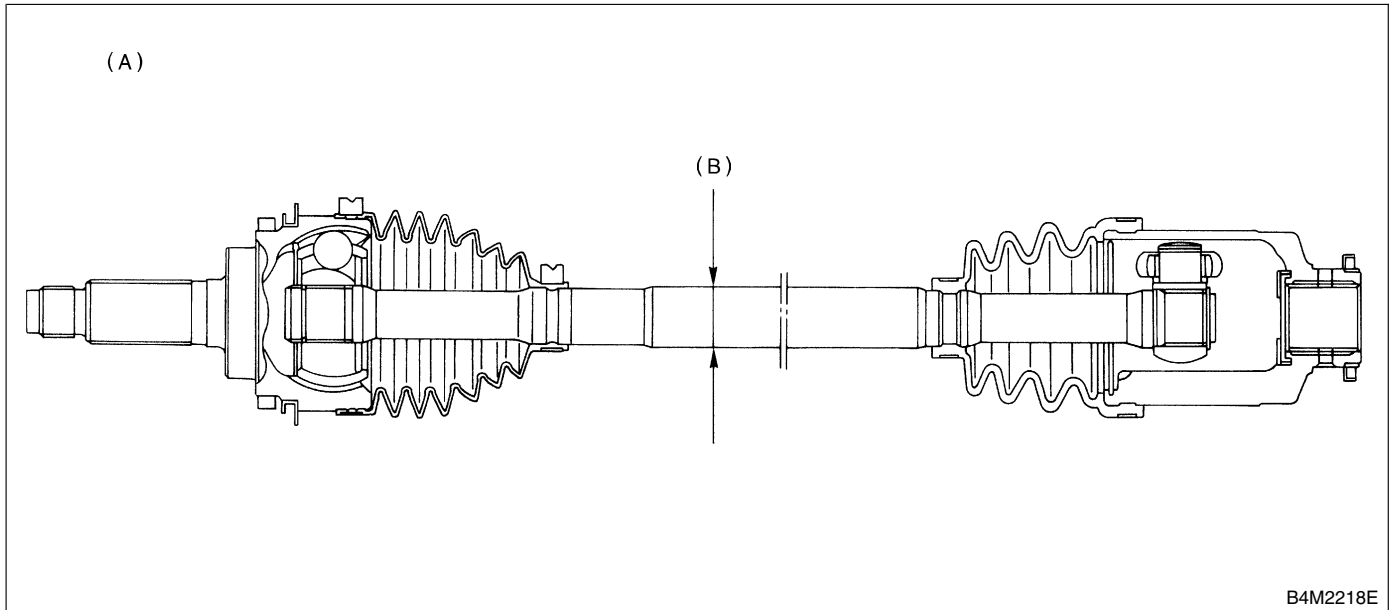
#### 1. PROPELLER SHAFT S301001E4901

Propeller shaft type	DOJ type	
Front propeller shaft Joint-to-joint length: $L_1$ mm (in)	AT	629 (24.76)
	MT	688 (27.09)
Rear propeller shaft Joint-to-joint length: $L_2$ mm (in)	773 (30.43)	
Outside diameter of tube: mm (in)	$D_1$	63.5 (2.500)
	$D_2$	57.0 (2.244)



## 2. FRONT DRIVE SHAFT ASSEMBLY S301001E4902

Type of drive shaft assembly	SHAFT
	Shaft diameter
BJ87+SFJ82	26 mm (1.02 in)



(A) BJ87+SFJ82

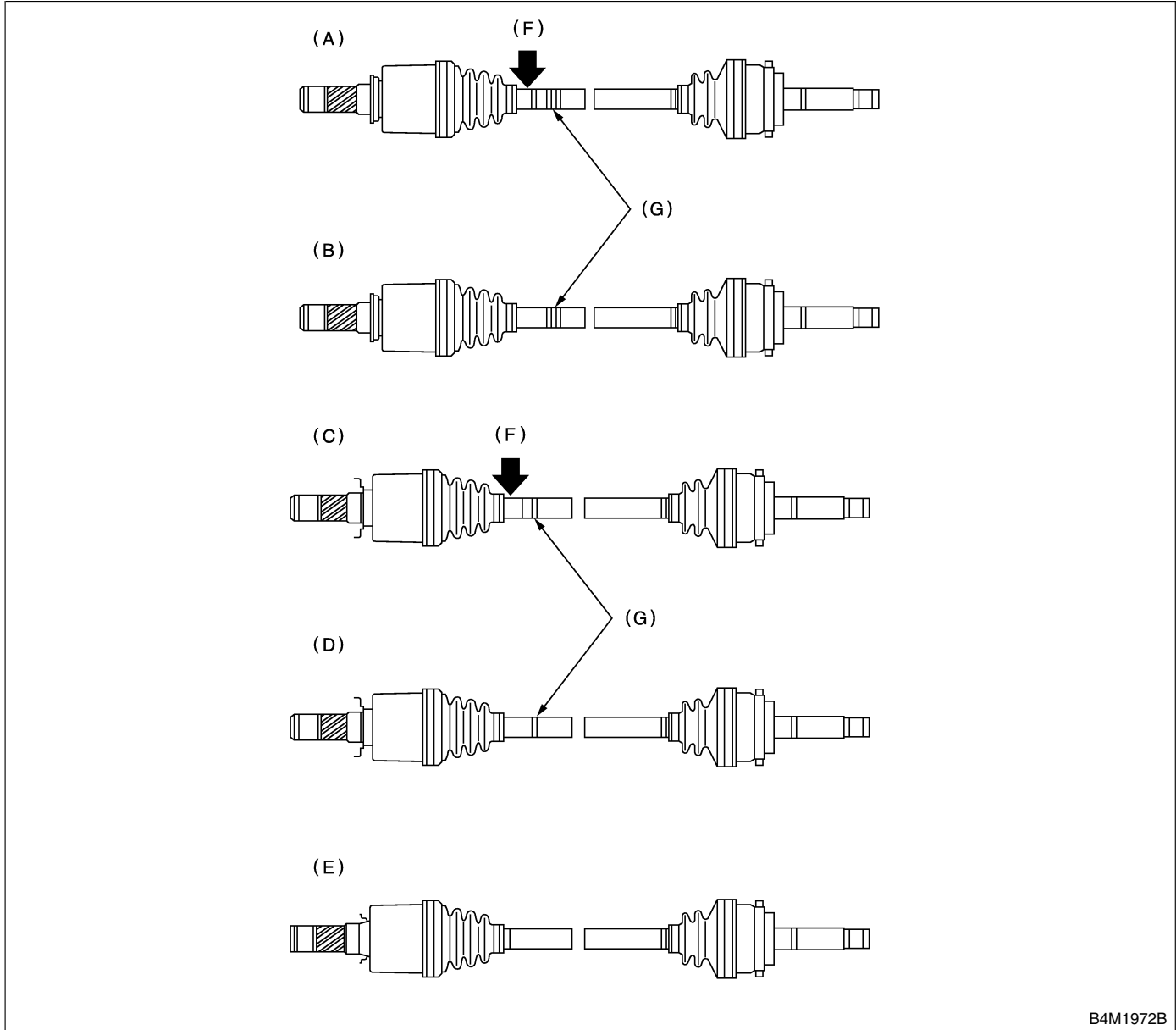
(B) Measuring point

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## 3. REAR DRIVE SHAFT ASSEMBLY S301001E4903

Type of axle shaft assembly	SHAFT
	No. of identification, protrusion on shaft
82AC-RH, 82AC-LH	2 (Two)
79AC-RH, 79AC-LH	1 (One)
79AC	None



B4M1972B

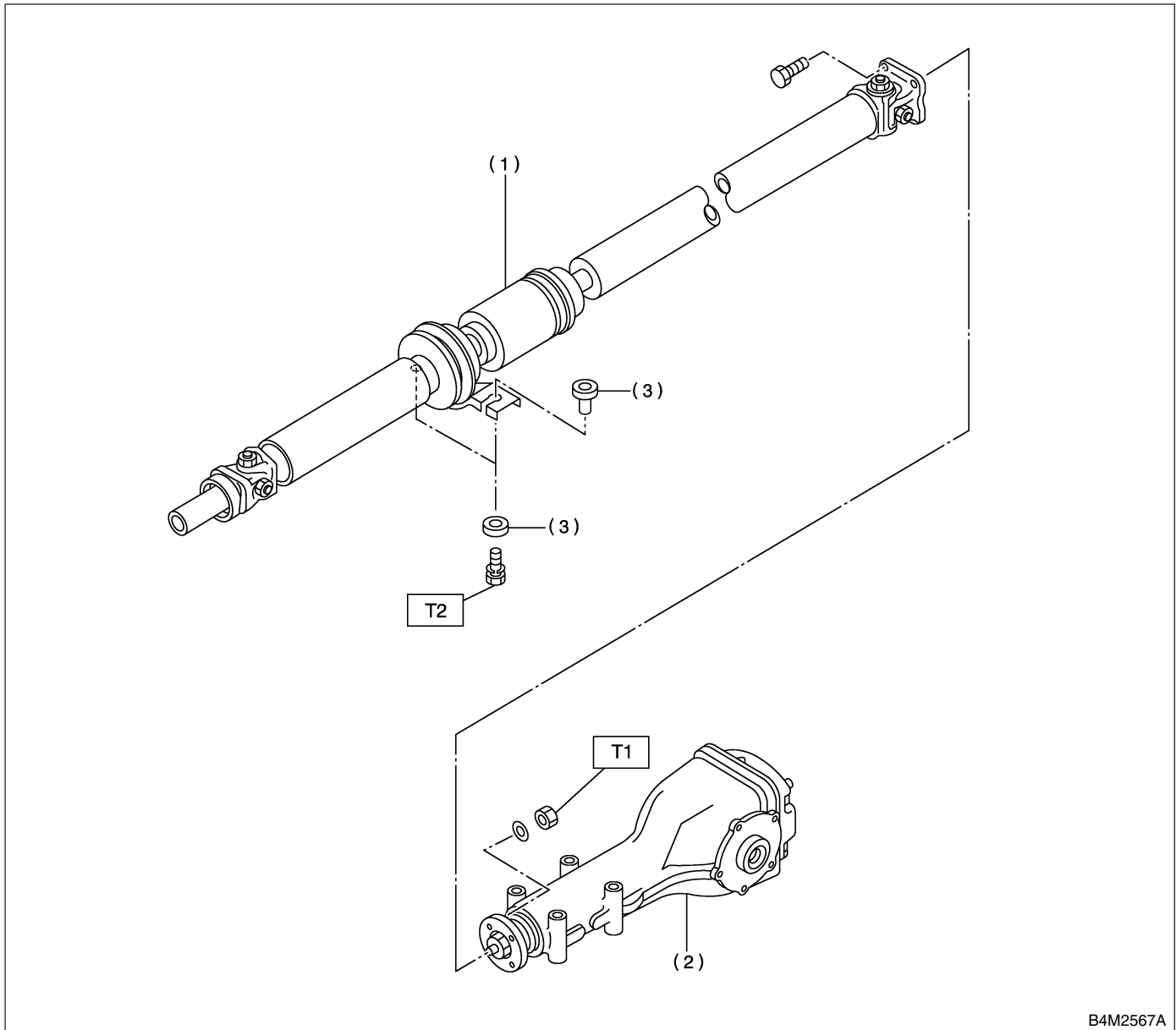
- (A) 82AC-RH
- (B) 82AC-LH
- (C) 79AC-RH

- (D) 79AC-LH
- (E) 79AC
- (F) Indication mark of RH

- (G) Identification protrusion

## B: COMPONENT S301001A05

### 1. PROPELLER SHAFT S301001A0501



B4M2567A

- (1) Propeller shaft
- (2) Rear differential
- (3) Bushing

**Tightening torque: N·m (kgf·m, ft·lb)**

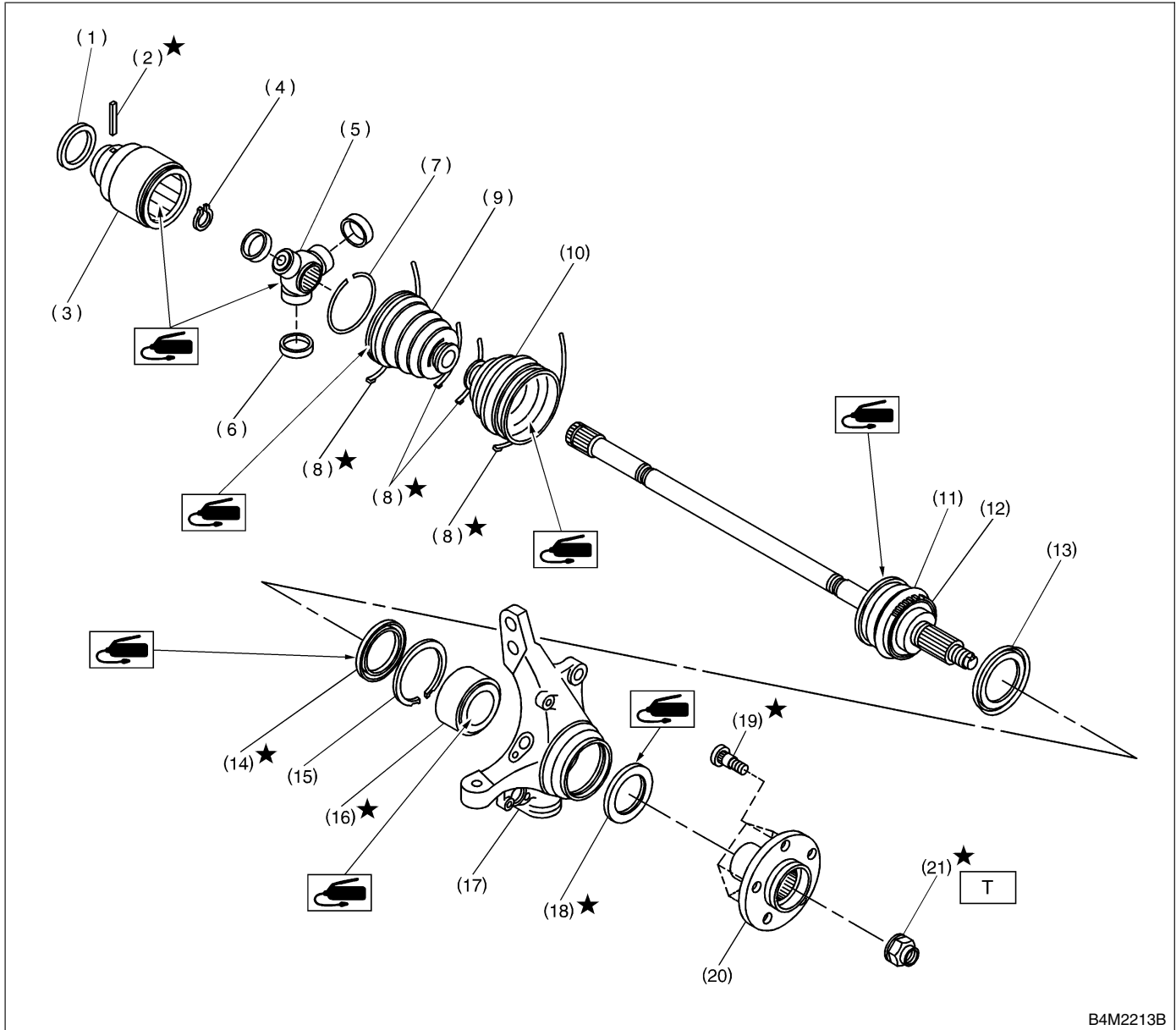
**T1: 31 (3.2, 23.1)**

**T2: 52 (5.3, 38.3)**

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## 2. FRONT AXEL S301001A0502



B4M2213B

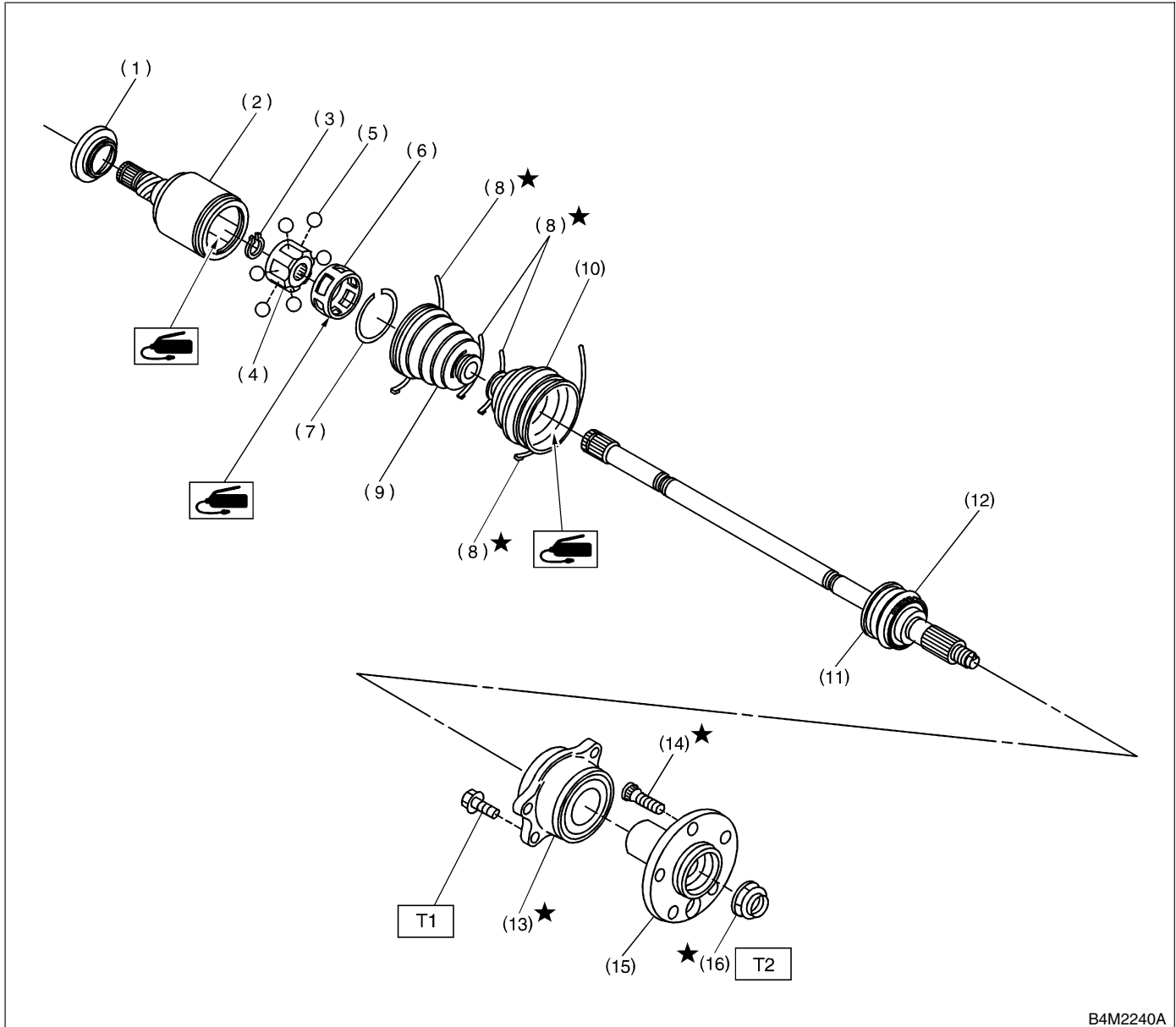
- (1) Baffle plate (SFJ)
- (2) Spring pin
- (3) Outer race (SFJ)
- (4) Snap ring
- (5) Trunnion
- (6) Free ring
- (7) Circlip
- (8) Boot band
- (9) Boot band

- (10) Boot (BJ)
- (11) BJ ASSY
- (12) Tone wheel
- (13) Baffle plate
- (14) Oil seal (IN)
- (15) Snap ring
- (16) Bearing
- (17) Housing
- (18) Oil seal (OUT)

- (19) Hub bolt
- (20) Hub
- (21) Axle nut (Olive color)

**Tightening torque: N·m (kgf·m, ft·lb)**  
**T: 216 (22, 159)**

## 3. REAR AXLE S301001A0503



B4M2240A

- (1) Baffle plate (DOJ)
- (2) Outer race (DOJ)
- (3) Snap ring
- (4) Inner race
- (5) Ball
- (6) Cage
- (7) Circlip

- (8) Boot band
- (9) Boot (DOJ)
- (10) Boot (BJ)
- (11) BJ ASSY
- (12) Tone wheel
- (13) Hub unit bearing
- (14) Hub bolt

- (15) Hub
- (16) Axle nut (Olive color)

**Tightening torque: N·m (kgf·m, ft·lb)**

**T1: 66 (6.7, 48.5)**

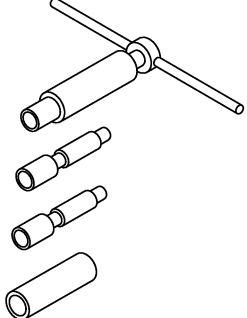
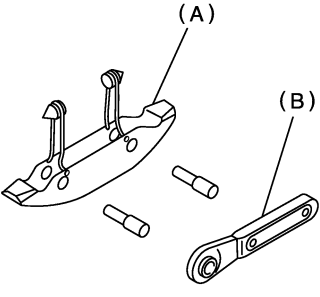
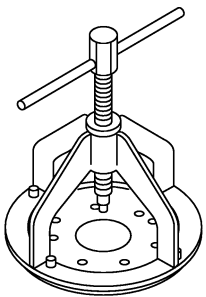
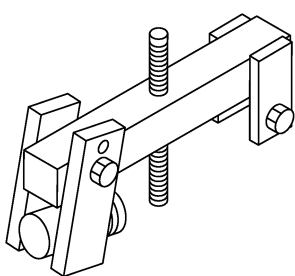
**T2: 235 (24, 174)**

### **C: CAUTION** S301001A03

- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly, and replacement.
- Be careful not to burn your hands, because each part on the vehicle is hot after running.
- Use SUBARU genuine grease etc. or the equivalent. Do not mix grease etc. with that of another grade or from other manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or safety stands at the specified points.
- Apply grease onto sliding or revolution surfaces before installation.
- Before installing O-rings or snap rings, apply sufficient amount of grease to avoid damage and deformation.
- Before securing a part on a vise, place cushioning material such as wood blocks, aluminum plate, or shop cloth between the part and the vise.

**D: PREPARATION TOOL** S301001A17

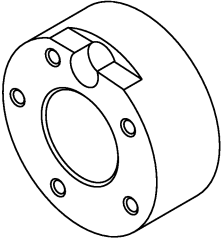
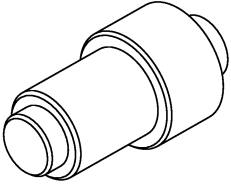
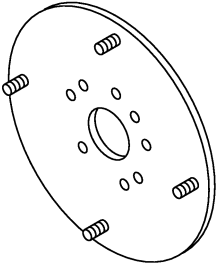
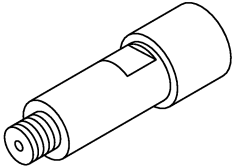
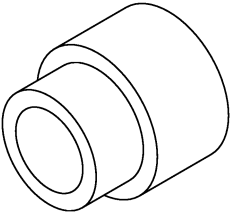
**1. SPECIAL TOOLS** S301001A1701

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: right;">B4M2386</p>	922431000	AXLE SHAFT INSTALLER	<ul style="list-style-type: none"> <li>● Used for installing axle shaft into housing.</li> <li>● Used with ADAPTER (927390000).</li> </ul>
 <p style="text-align: right;">B4M2387A</p>	925091000	BAND TIGHTENING TOOL	<ul style="list-style-type: none"> <li>● Used for tightening boot band.</li> <li>(A) Jig for band</li> <li>(B) Ratchet wrench</li> </ul>
 <p style="text-align: right;">B4M2388</p>	926470000	AXLE SHAFT PULLER	Used for removing axle shaft.
 <p style="text-align: right;">B4M2389</p>	927060000	HUB REMOVER	<ul style="list-style-type: none"> <li>● Used for removing front hub.</li> <li>● Used with HUB STAND (927080000).</li> </ul>



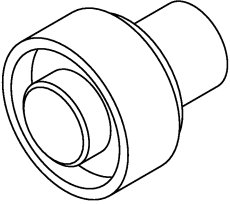
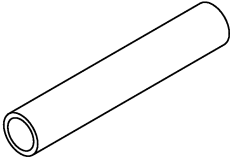
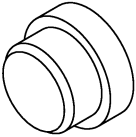
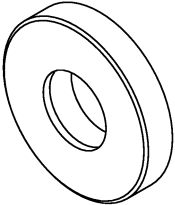
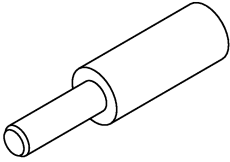
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 <p style="text-align: center;">B4M2390</p>	927080000	HUB STAND	Used for disassembling and assembling hub bolt in hub.
 <p style="text-align: center;">B4M2391</p>	927100000	BEARING PULLER	<ul style="list-style-type: none"> <li>● Used for disassembling and assembling front housing bearing.</li> <li>● Used with HOUSING STAND (927400000).</li> </ul>
 <p style="text-align: center;">B4M2392</p>	927140000	AXLE SHAFT PULLER PLATE	Same as plate 2 included in AXLE SHAFT PULLER (926470000).
 <p style="text-align: center;">B4M2393</p>	927390000	ADAPTER	Used as an adapter for AXLE SHAFT INSTALLER (922431000).
 <p style="text-align: center;">B4M2394</p>	927400000	HOUSING STAND	<ul style="list-style-type: none"> <li>● Used for disassembling and assembling front housing bearing.</li> <li>● Used with BEARING PULLER (927100000).</li> </ul>

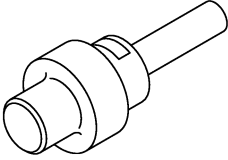
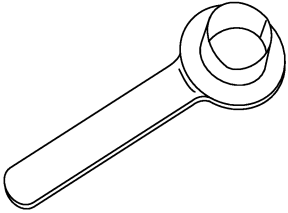
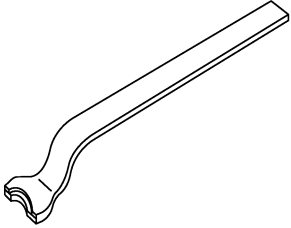
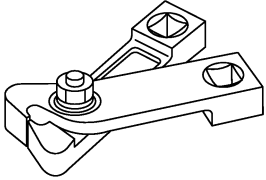
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">B4M2395</p>	927410000	OIL SEAL INSTALLER	<ul style="list-style-type: none"> <li>● Used for installing oil seal into front housing.</li> <li>● Used with HOUSING STAND (927400000).</li> </ul>
 <p style="text-align: center;">B4M2396</p>	398507703	DUMMY COLLAR	Used for removing hub ASSY from hub unit.
 <p style="text-align: center;">B4M2397</p>	399520105	SEAT	Used for removing inner race from hub ASSY.
 <p style="text-align: center;">B4M2398</p>	28499AE000	BEARING SPACHER	Used for installing hub unit into hub ASSY.
 <p style="text-align: center;">B4M2399</p>	927120000	HUB INSTALLER	Used for installing hub.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 B4M2400	927450000	HUB INSTALLER	<ul style="list-style-type: none"> <li>● Used for installing hub unit into hub ASSY.</li> <li>● Used with BEARING SPACER (28499AE000) and HUB STAND (927080000).</li> </ul>
 B4M2401	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> <li>● Used for installing rear drive shaft into rear differential.</li> <li>● For protecting oil seal.</li> </ul>
 B4M2402	28099PA100	DRIVE SHAFT REMOVER	Used for removing rear drive shaft from rear differential.
 B4M2403	28099AC000	BOOT BAND PLIERS	Used for tightening front BJ boot band.

## 2. GENERAL PURPOSE TOOLS S301001A1702

TOOL NAME	REMARKS
Puller	Used for removing ball joint from knuckle arm.
Dial gauge	Used for inspecting propeller shaft run-out.
Snap ring pliers	Used for installing and removing snap ring.