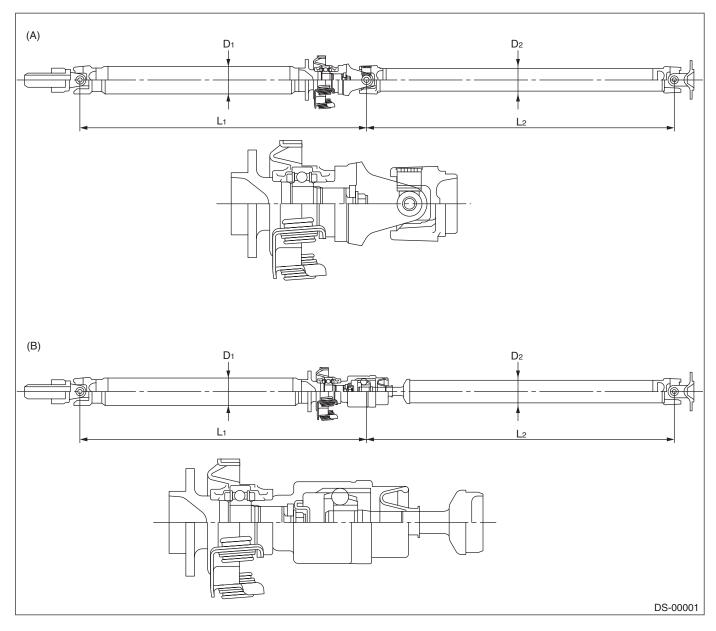
# 1. General Description

# **A: SPECIFICATIONS**

### 1. PROPELLER SHAFT

Model		AT	MT
Propeller shaft type		DOJ	3UJ
Front propeller shaft Joint-to-joint length: L <sub>1</sub>	mm (in)	580 (22.83)	644 (25.35)
Rear propeller shaft Joint-to-joint length: L <sub>2</sub>	mm (in)	712 (28.03)	707 (27.83)
Outside diameter of tube:	nm (in)	63.5 (	2.500)
Outside diameter of tube.	D <sub>2</sub>	57.0 (	2.244)

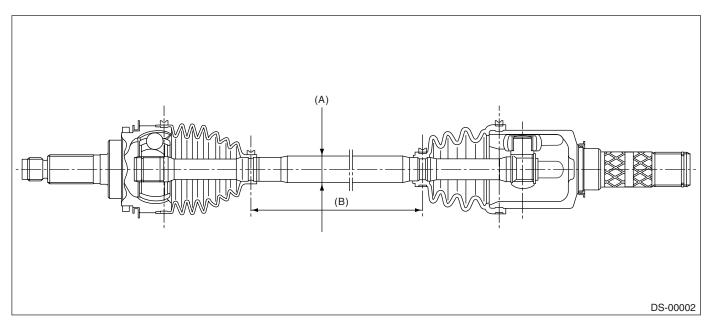


(A) 3UJ type (MT model)

(B) DOJ type (AT model)

### 2. FRONT DRIVE SHAFT ASSEMBLY

Size	Model	Identification color of shaft	L1 mm (in)	φ D mm (in)
AC2300/AAR2300i	Non-turbo, Turbo AT	_	513 (20.2)	24.9 (0.98)
AC2300/AAR2600i	Turbo MT	Pink	511.4 (20.13)	24.9 (0.98)

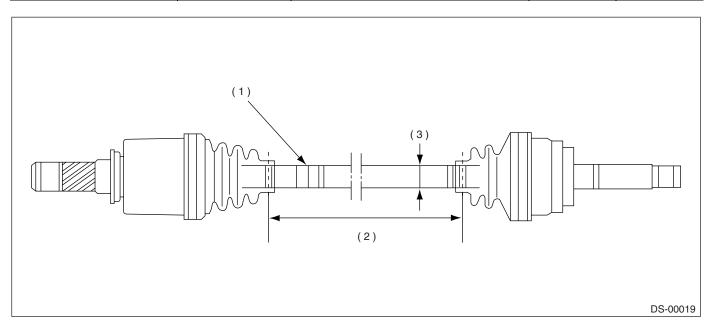


(A)  $\phi$  D mm (in)

(B) L1 mm (in)

#### 3. REAR DRIVE SHAFT ASSEMBLY

Type of drive shaft assembly	Model	No. of identification protrusion on shaft	L1 mm (in)	φ D mm (in)
BJ79/DOJ79 R160RH	Non-turbo	2	368 (14.49)	23 (0.91)
BJ79/DOJ79 R160LH	Non-turbo	1	358 (14.09)	23 (0.91)
EBJ82/DOJ82 R160RH	Turbo MT&AT	2	363 (14.2)	24 (0.9)
EBJ82/DOJ82 R160LH	Turbo MT&AT	1	353 (13.9)	24 (0.9)

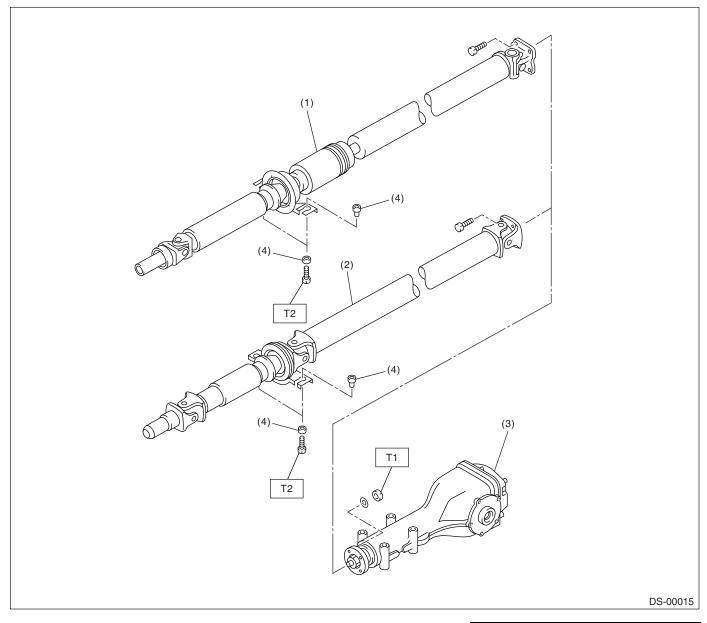


(1) Identification groove

(2) L1 mm (in)

# **B: COMPONENT**

# 1. PROPELLER SHAFT



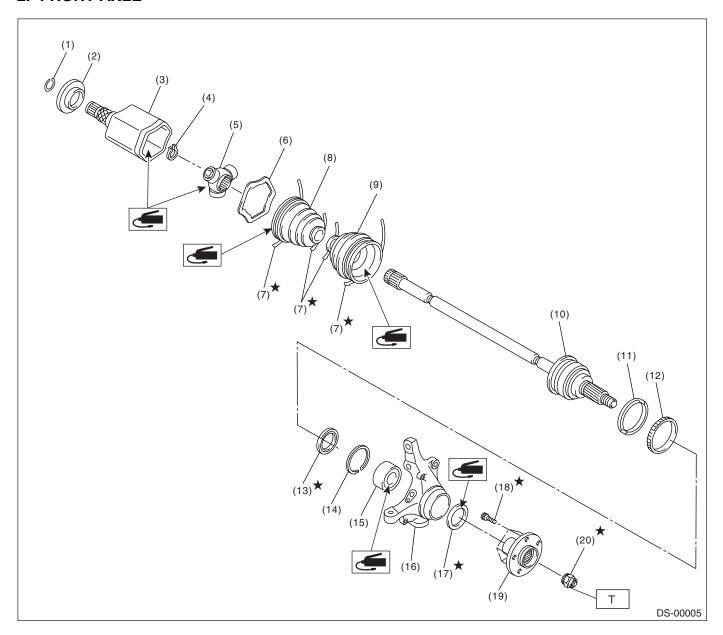
- (1) Propeller shaft (AT model)
- (2) Propeller shaft (MT model)
- (3) Rear differential
- (4) Bush

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

### 2. FRONT AXLE



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

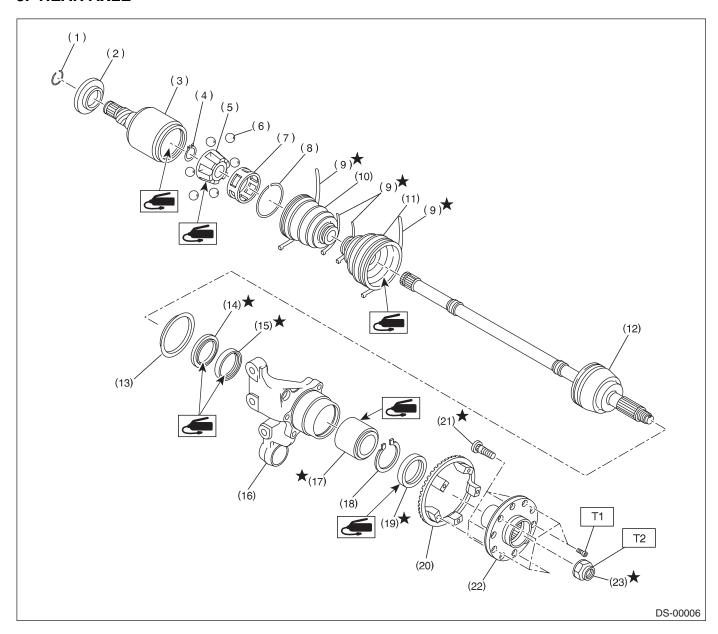
- (9) Boot (AC)
- (10) AC ASSY
- (11) Tone wheel
- (12) Baffle plate
- (13) Oil seal (IN)
- (14) Snap ring
- (15) Bearing
- (16) Housing

- (17) Oil seal (OUT)
- (18) Hub bolt
- (19) Hub
- (20) Axle nut

Tightening torque: N·m (kgf-m, ft-lb)

T: 190 (19.4, 140)

#### 3. REAR AXLE



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

- (10) Boot (DOJ)
- (11) Boot
- (12) BJ ASSY
- (13) Baffle plate
- (14) Oil seal (IN. No. 2)
- (15) Oil seal (IN. No. 3)
- (16) Housing
- (17) Bearing
- (18) Snap ring

- (19) Oil seal (OUT)
- (20) Tone wheel
- (21) Hub bolt
- (22) Hub
- (23) Axle nut

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 13 (1.3, 9.4)

T2: 190 (19.4, 140)

#### C: CAUTION

- 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 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**

# 1. SPECIAL TOOLS

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	922431000	AXLE SHAFT	Used for installing axle shaft into housing.
		INSTALLER	Used with ADAPTER (927390000).
ST-922431000			
	925091000	BANDTIGHTENING	Used for tightening boot band.
		TOOL	(A) Jig for band (B) Ratchet wrench
(A) /			(b) hatchet wielich
(B)			
ST-925091000			
	926470000	AXLE SHAFT	Used for removing axle shaft.
		PULLER	
A P			
ST-926470000			
	927060000	HUB REMOVER	Used for removing front hub.     Used with HUB STAND (027080000)
			Used with HUB STAND (927080000).
KIRT			
ST-927060000			

# **GENERAL DESCRIPTION**

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	927420000	HUB REMOVER	Used for removing rear hub.
			Used with HUB STAND (927080000).
ST-927420000			
	927080000	HUB STAND	Used for disassembling and assembling hub bolt in hub.
			in nub.
ST-927080000	00710000	BEARING PULLER	
	927100000	BEARING PULLER	Used for disassembling and assembling front housing bearing.
			Used with HOUSING STAND (927400000).
ST-927100000			
31-327 100000	927140000	AXLE SHAFT	Same as plate 2 included in AXLE SHAFT
		PULLER PLATE	PULLER (926470000).
/ 0/00			
00 000			
ST-927140000			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	927390000	ADAPTER	Used as an adapter for AXLE SHAFT
			INSTALLER (922431000).
ST-927390000			
	927400000	HOUSING STAND	Used for disassembling and assembling front housing bearing.
			Used with BEARING PULLER (927100000).
ST-927400000	927410000	OIL SEAL	Used for installing oil seal into front housing.
	02 0000	INSTALLER	Used with HOUSING STAND (927400000).
ST-927410000			
	927430000	HOUSING STAND	Used for disassembling and assembling rear
			housing bearing.  • Used with BEARING PULLER (927440000).
			, ,
ST-927430000			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
12200110111011	927120000	HUB INSTALLER	Used for installing hub.
ST-927120000			
	927440000	BEARING REMOVER	Used for disassembling and assembling rear wheel bearing.
		TILMOVEIT	Used with HOUSING STAND (927430000).
_			
ST-927440000			
	927460000	OIL SEAL	Used for installing outer oil seal.
		INSTALLER	Used with HOUSING STAND (927430000).
07.007400000			
ST-927460000	927450000	HUB INSTALLER	Used for pressing hub bearing into hub.
	3200000		Used with HUB STAND (927080000).
ST-927450000			

**GENERAL DESCRIPTION** 

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	28399SA010	OIL SEAL PROTECTOR	<ul> <li>Used for installing front drive shaft into front differential.</li> <li>For protecting oil seal.</li> </ul>
ST28399SA010			
	28399SA000	DRIVE SHAFT REMOVER	Used for removing front drive shaft from front differential.
ST28399SA000			
	18675AA000	DIFFERENTIAL SIDE OIL SEAL INSTALLER	Used for installing differential side retainer oil seal.
ST18675AA000	28099PA090	OIL SEAL PROTEC-	Used for installing rear drive shaft into rear dif-
		TOR	ferential.  • For protecting oil seal.
ST28099PA090			

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	28099PA100	DRIVE SHAFT REMOVER	Used for removing rear drive shaft from rear differential.
ST28099PA100			
	28099AC000	BOOT BAND PLI- ERS	Used for tightening front AC boot band.
ST28099AC000			

# **GENERAL DESCRIPTION**

#### DRIVE SHAFT SYSTEM

# 2. GENERAL PURPOSE TOOLS

TOOL NAME	REMERKS
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.