

General Description

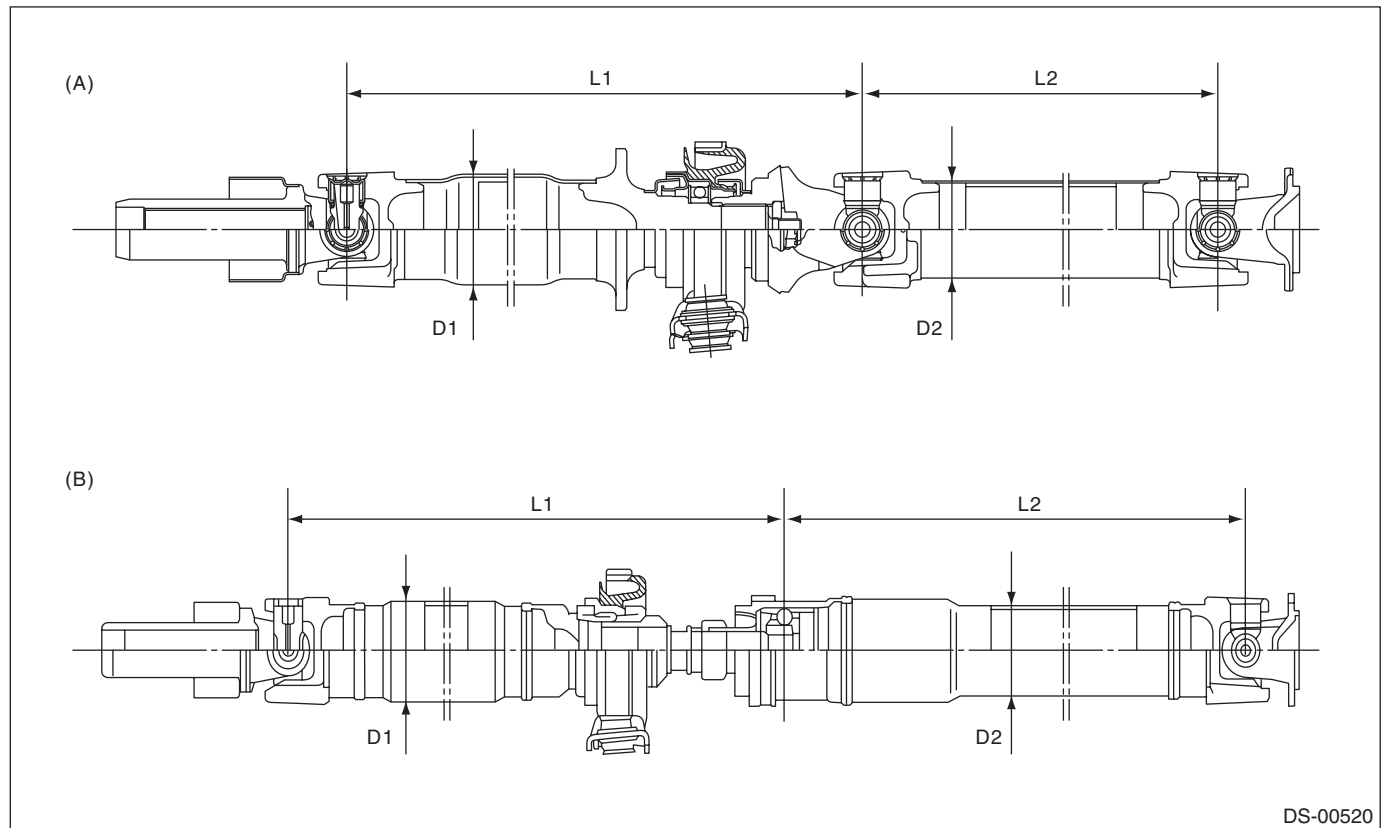
DRIVE SHAFT SYSTEM

1. General Description

A: SPECIFICATION

1. PROPELLER SHAFT

Model		Except for STI model	STI model
Propeller shaft type		EDJ	3UJ+CPS
Front propeller shaft Joint-to-Joint length: L_1		735.5 (28.96)	633 (24.92)
Rear propeller shaft Joint-to-Joint length: L_2		698 (27.48)	728.5 (28.68)
Outer diameter of tube:	D_1	63.5 (2.499)	70.0 (2.756)
	D_2	57.5 (2.264)	57.0 (2.244)



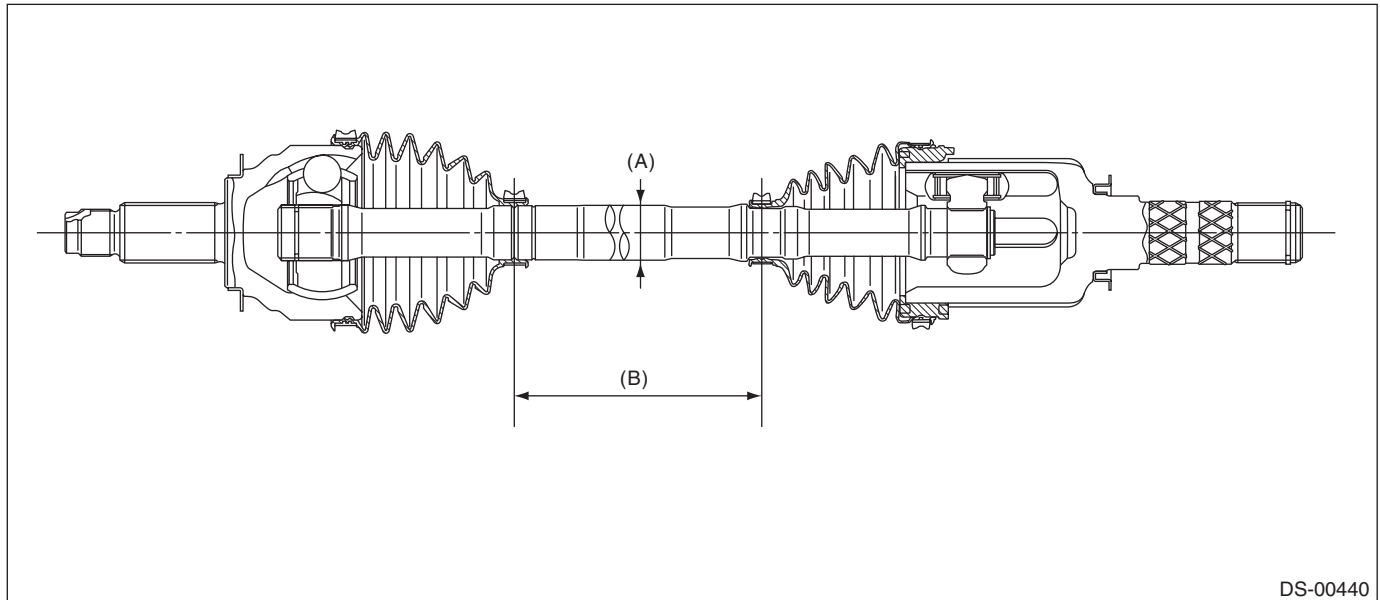
DS-00520

(A) 3UJ type

(B) EDJ type

2. FRONT DRIVE SHAFT ASSEMBLY

Model	Type of drive shaft	Axle diameter ϕ mm (in)	Axle length mm (in)
Except for STI model	EBJ + PTJ	22 (0.87)	361.4 (14.23)
STI model	AC + AAR	28 (1.10)	343.1 (13.51)



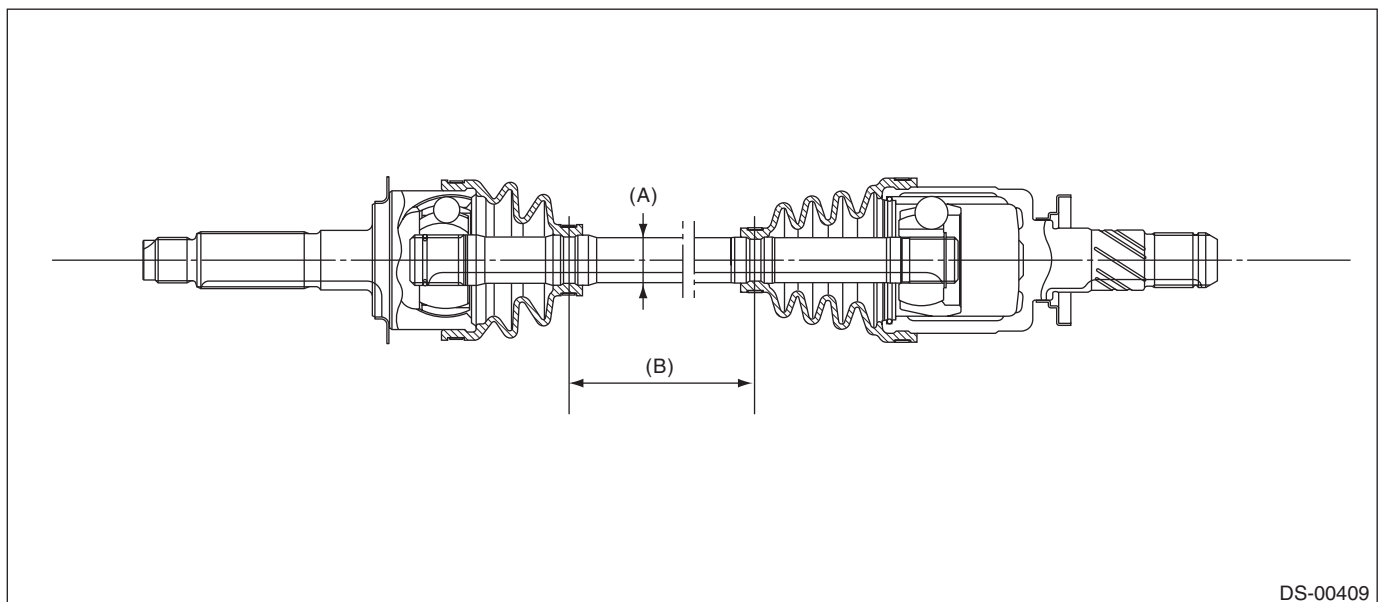
DS-00440

(A) Axle diameter

(B) Axle length

3. REAR DRIVE SHAFT ASSEMBLY

Model	Type of drive shaft	Axle diameter ϕ mm (in)	Axle length mm (in)
Except for STI model	EBJ + DOJ	22 (0.87)	383.1 (15.08)
STI model	EBJ + EDJ	25 (0.98)	339.5 (13.37)



DS-00409

(A) Axle diameter

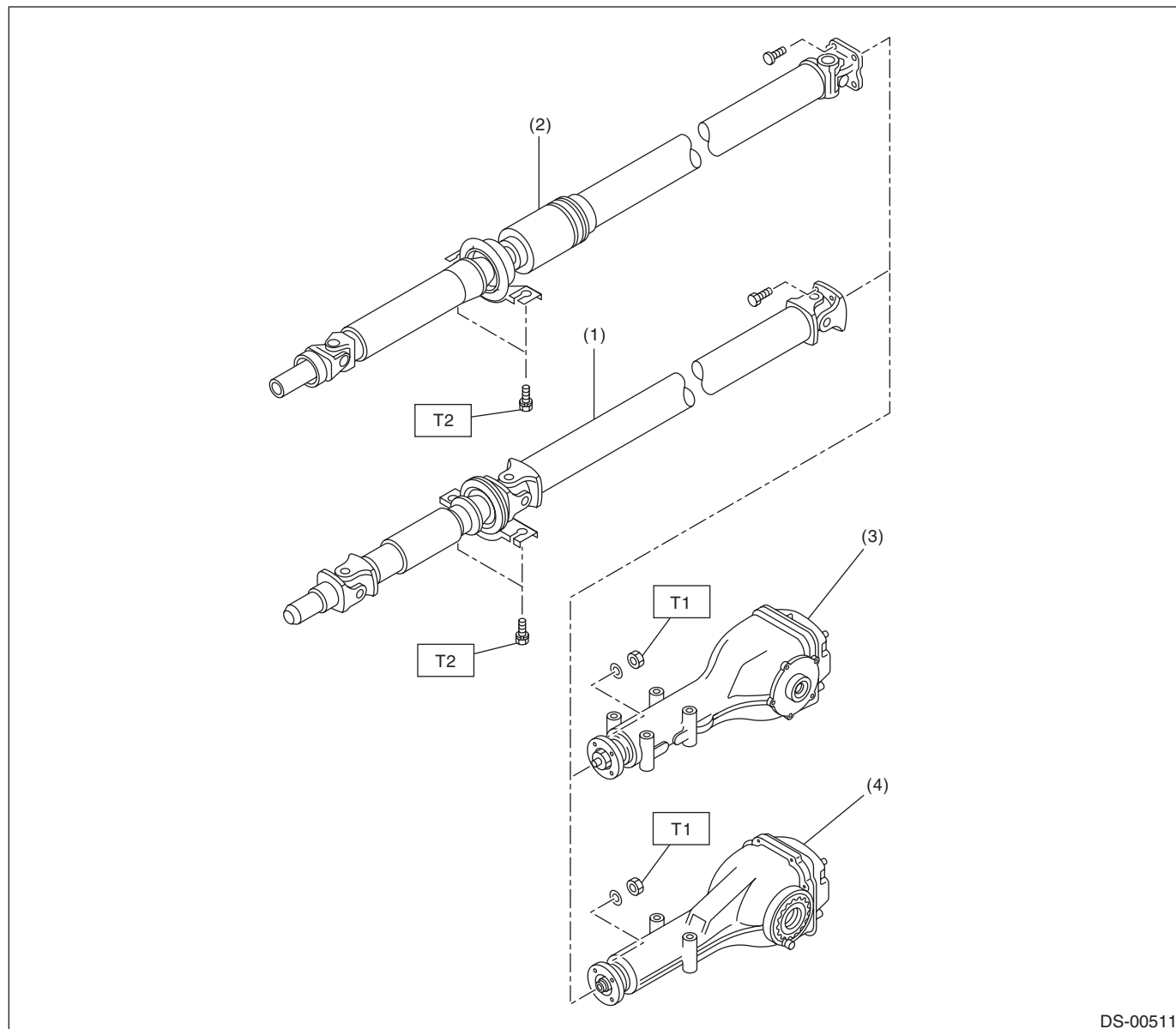
(B) Axle length

General Description

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B: COMPONENT

1. PROPELLER SHAFT



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- (1) Propeller shaft (3UJ type)
- (2) Propeller shaft (DOJ-type)

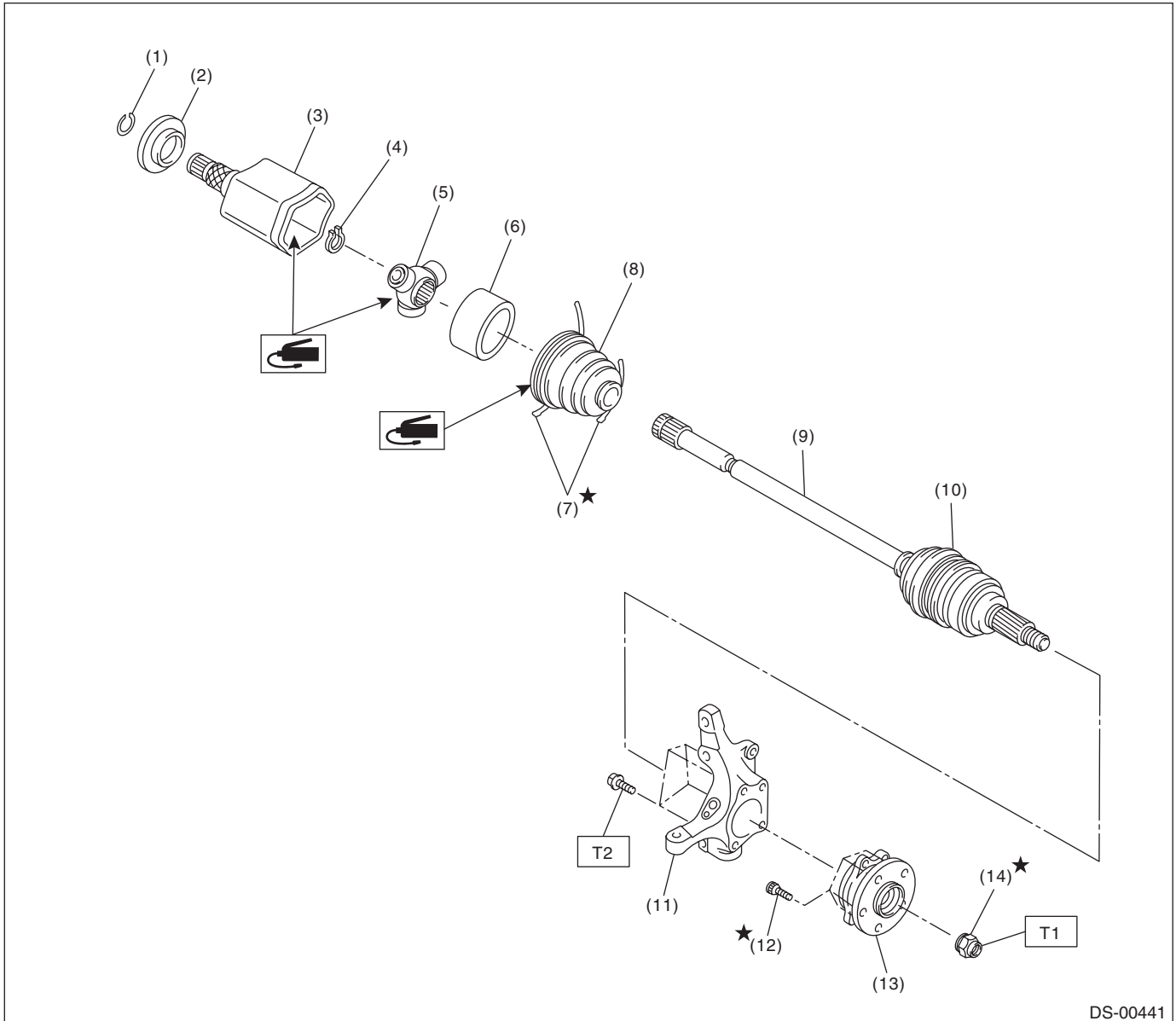
- (3) Rear differential (T-type)
- (4) Rear differential (VA2-type)

Tightening torque: N·m (kgf-m, ft-lb)

T1: 31 (3.16, 22.9)

T2: 52 (5.30, 38.4)

2. FRONT AXLE



DS-00441

- (1) Circlip
- (2) Baffle plate
- (3) Outer race (AAR)
- (4) Snap ring
- (5) Trunnion
- (6) Grommet

- (7) Boot band
- (8) Boot (AAR)
- (9) AC shaft ASSY
- (10) Boot (AC)
- (11) Housing
- (12) Hub bolt

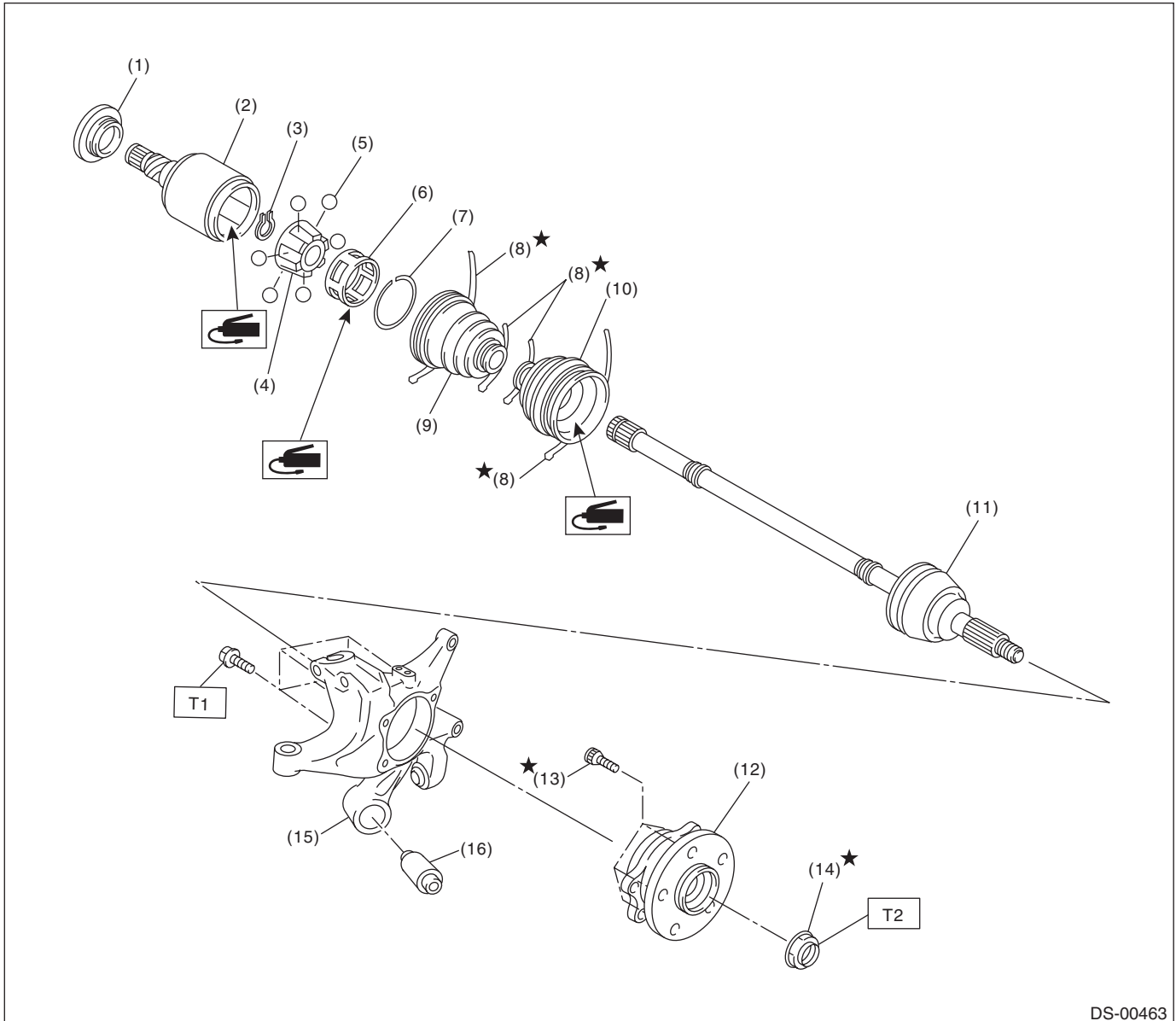
- (13) Front hub unit bearing
- (14) Axle nut

Tightening torque: N·m (kgf-m, ft-lb)

T1: 220 (22.43, 162.3)

T2: 65 (6.63, 47.9)

- STI model



DS-00463

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|----------------------|----------------------------|------------------------|
| (1) Baffle plate | (8) Boot band | (15) Rear axle housing |
| (2) Outer race (EDJ) | (9) Boot (EDJ) | (16) Bushing |
| (3) Snap ring | (10) Boot (EBJ) | |
| (4) Inner race | (11) EBJ shaft ASSY | |
| (5) Ball | (12) Rear hub unit bearing | |
| (6) Cage | (13) Hub bolt | |
| (7) Snap ring | (14) Axle nut | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 65 (6.63, 47.9)

T2: 190 (19.37, 140.1)

General Description

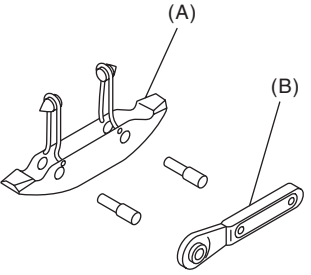
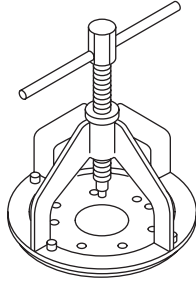
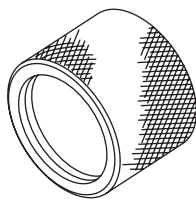
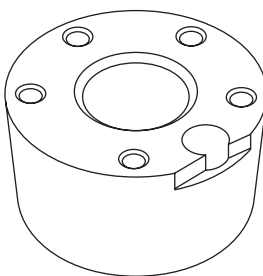
DRIVE SHAFT SYSTEM

C: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- Use SUBARU genuine grease etc. or equivalent. Do not mix grease etc. of different grades or manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.
- Apply grease onto sliding or revolving 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 materials such as wood blocks, aluminum plates, or waste cloth between the part and the vise.

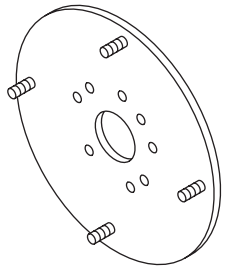
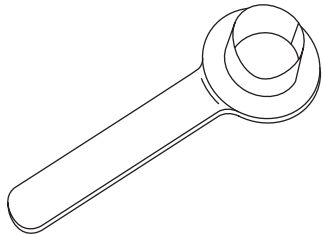
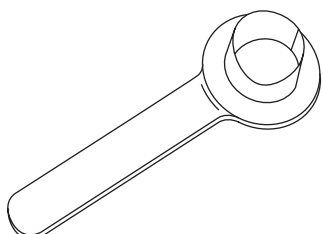
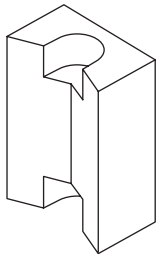
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST-925091000</p>	925091000	BAND TIGHTENING TOOL	Used for tightening the boot band. (A) Jig for the band (B) Ratchet wrench
 <p>ST-926470000</p>	926470000	AXLE SHAFT PULLER	<ul style="list-style-type: none"> Used for removing the axle shaft. Used together with AXLE SHAFT PULLER PLATE (28099PA110).
 <p>ST18675AA000</p>	18675AA000	DIFFERENTIAL SIDE OIL SEAL INSTALLER	Used for installing the differential side retainer oil seal.
 <p>ST28099PA080</p>	28099PA080	HUB STAND	Used for assembling hub bolt in hub.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST28099PA110</p>	28099PA110	AXLE SHAFT PULLER PLATE	Exchange with the plate of the AXLE SHAFT PULLER (926470000) to use.
 <p style="text-align: center;">ST28099PA090</p>	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> • Used for installing the rear drive shaft to the rear differential. • For protecting the oil seal.
 <p style="text-align: center;">ST28399SA010</p>	28399SA010	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> • Used for installing front drive shaft into front differential. • For protecting the oil seal.
 <p style="text-align: center;">ST28399AG000</p>	28399AG000	HUB STAND	Used for extracting hub bolt.

2. GENERAL TOOL

TOOL NAME	REMARKS
Puller	Used for removing the ball joint from knuckle arm.
Dial gauge	Used for inspecting the propeller shaft run-out.
Extension cap	Used for preventing leakage of gear oil or ATF.
Crowbar	Used for extracting drive shaft.