

General Description

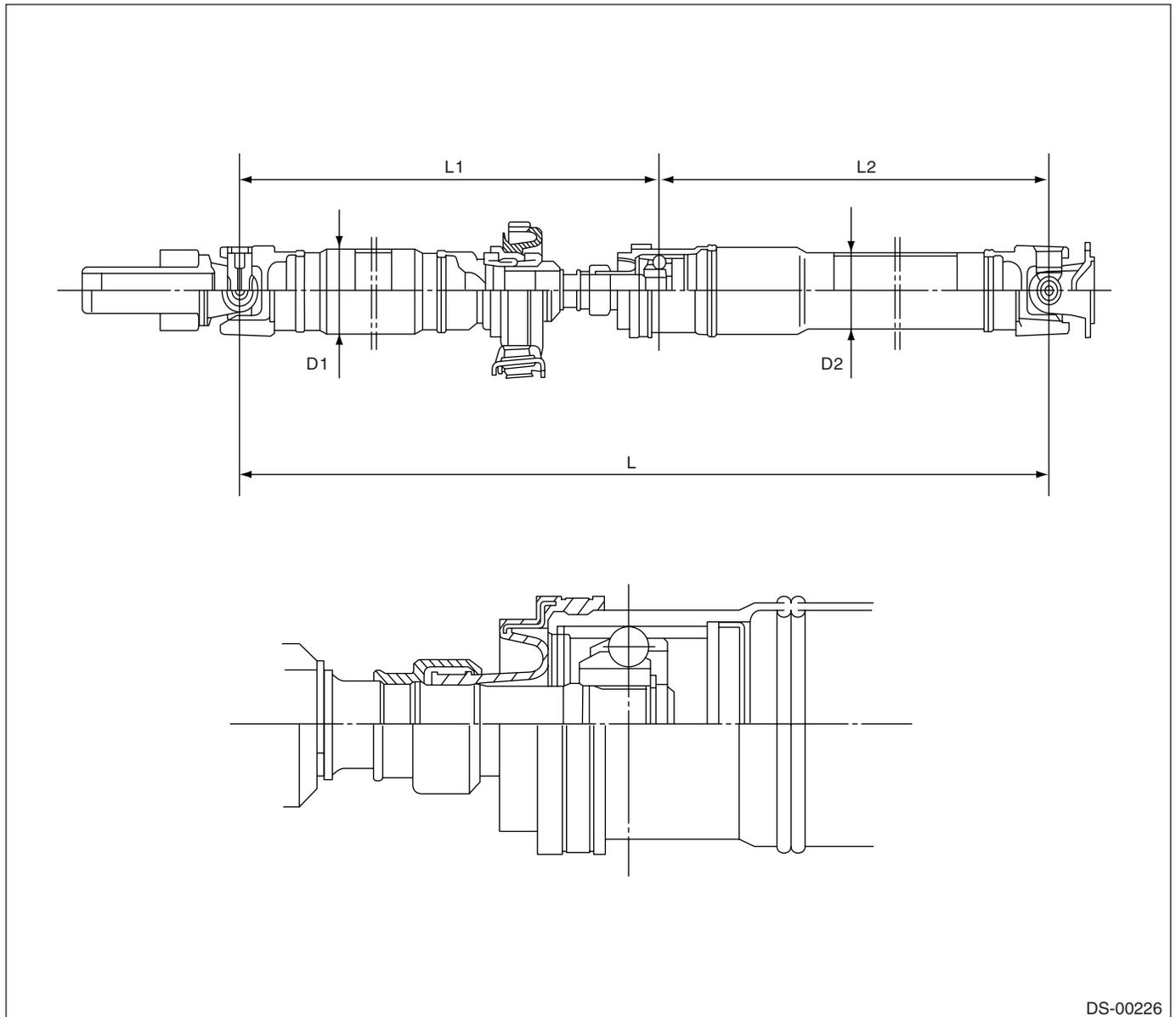
DRIVE SHAFT SYSTEM

1. General Description

A: SPECIFICATION

1. PROPELLER SHAFT

Model		5MT	4AT	5AT
Propeller shaft type		EDJ		
Propeller shaft length: L	mm (in)	1,490 (58.66)	1,430 (56.30)	1,317 (51.85)
Front propeller shaft Joint-to-joint length: L ₁	mm (in)	735 (28.9)	675 (26.6)	562 (22.1)
Rear propeller shaft Joint-to-Joint length: L ₂	mm (in)	755 (29.7)		
Outer diameter of tube:	mm (in)	D ₁	63.5 (2.50)	
		D ₂	57.5 (2.26)	

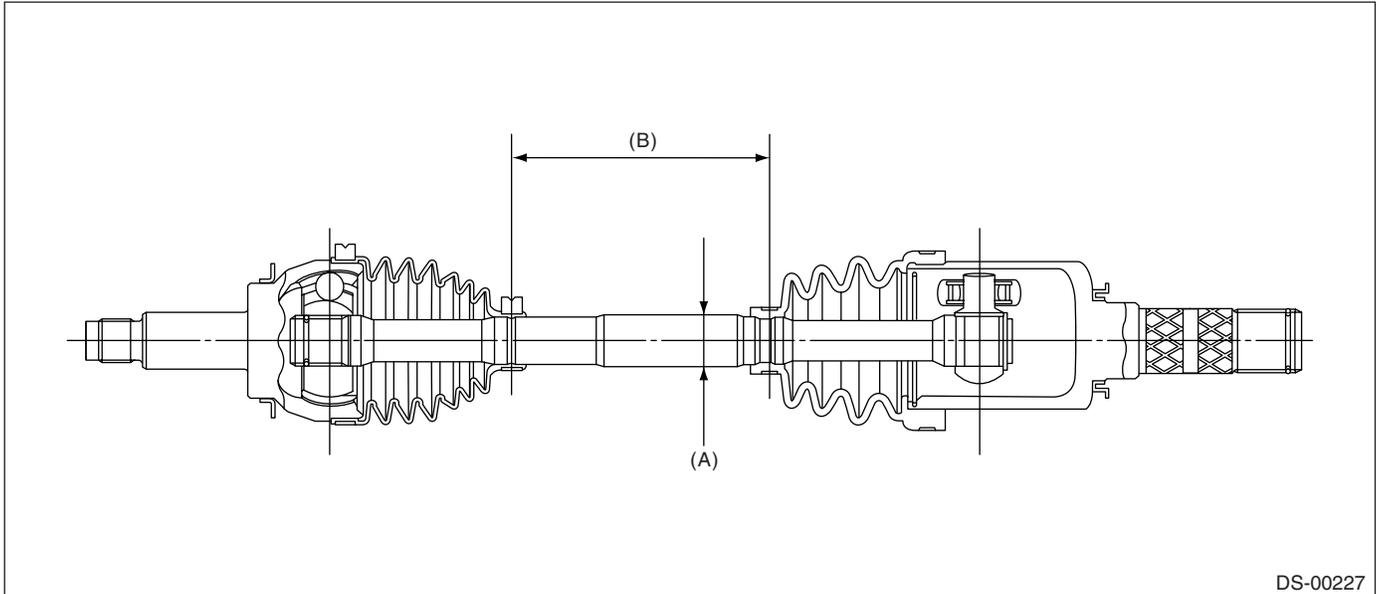


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General Description

2. FRONT DRIVE SHAFT ASSEMBLY

Model	Type of drive shaft	Axle diameter ϕ D mm (in)	Axle length L mm (in)
Apply all	EBJ87+PTJ82	26 (1.0)	349.6 (13.76)



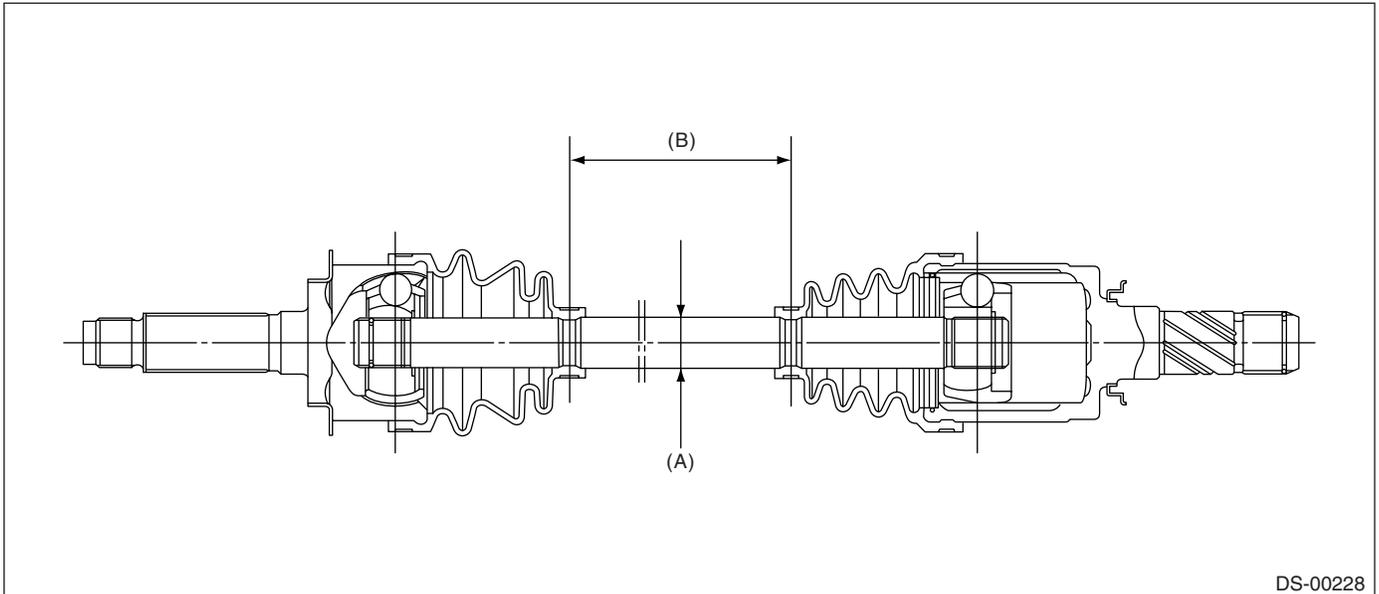
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(A) Axle diameter

(B) Axle length

3. REAR DRIVE SHAFT ASSEMBLY

Model	Type of drive shaft	Axle diameter ϕ D mm (in)	Axle length L mm (in)
2.5 i AT	BJ75+DOJ75	22 (0.87)	366.5 (14.43)
Except for 2.5 i AT	EBJ82+DOJ79	22 (0.87)	375.1 (14.77)



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(A) Axle diameter

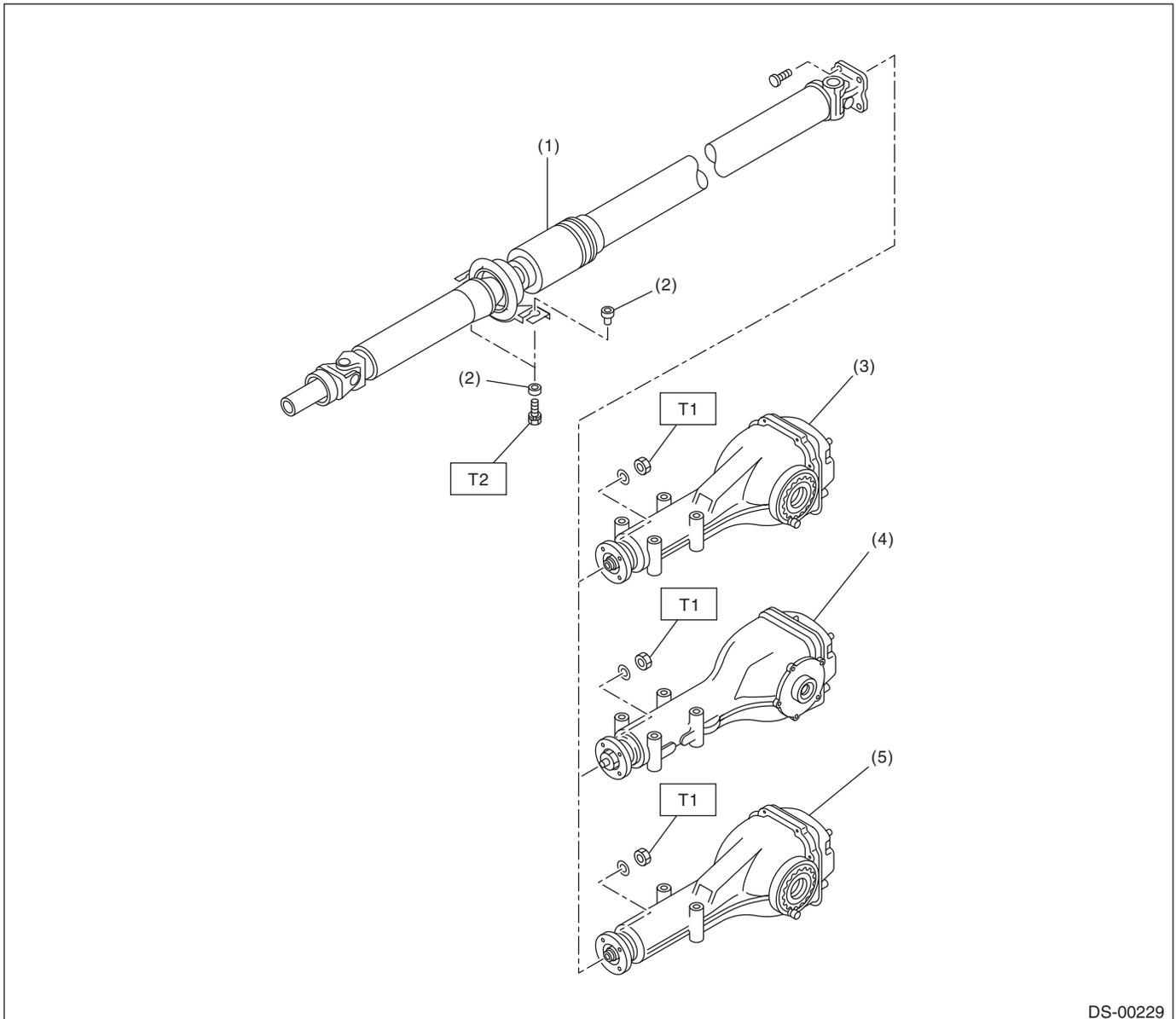
(B) Axle length

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B: COMPONENT

1. PROPELLER SHAFT



DS-00229

- (1) Propeller shaft
- (2) Bushing
- (3) Rear differential (VA1-type)

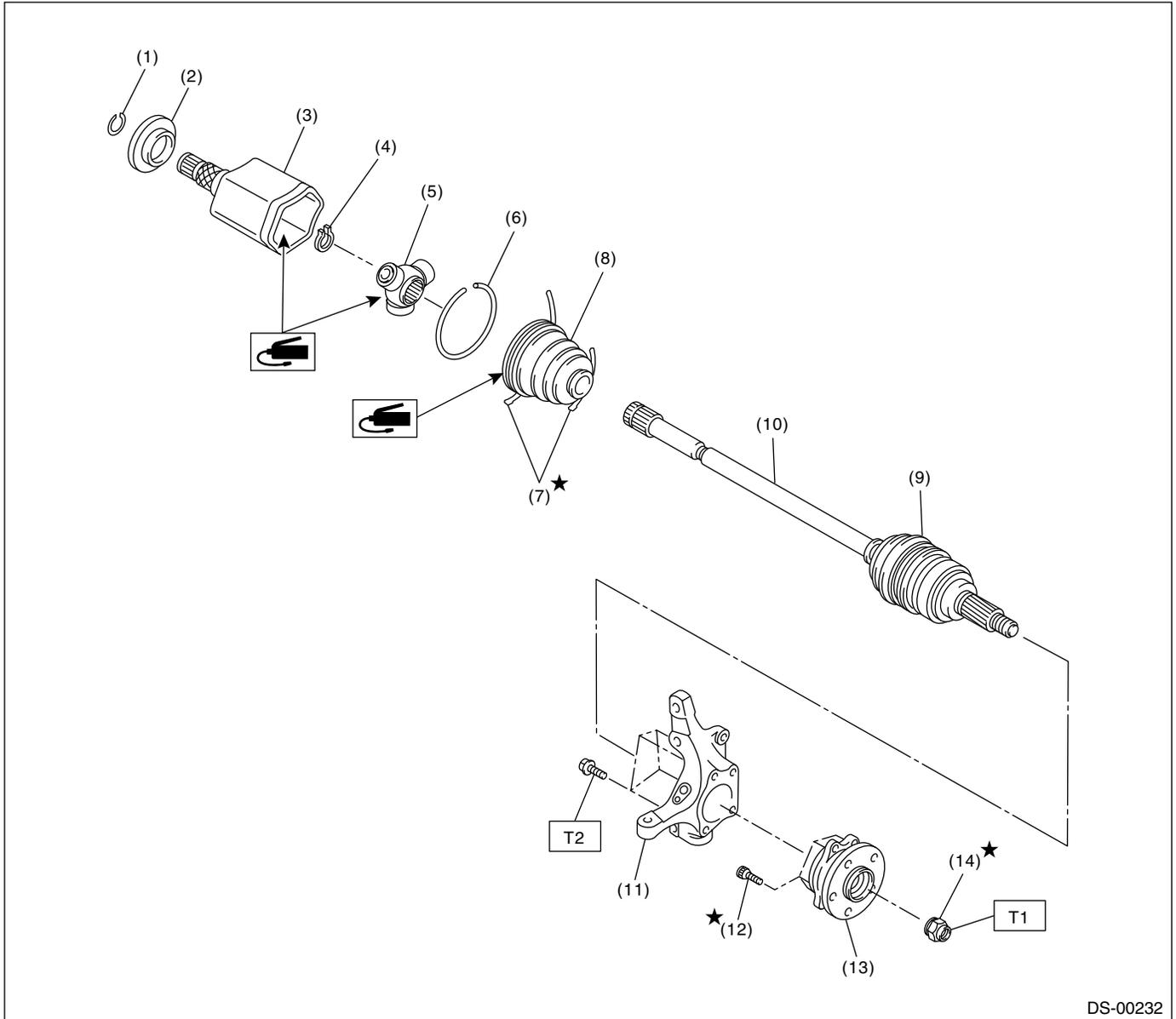
- (4) Rear differential (T-type)
- (5) Rear differential (VA2-type)

Tightening torque: N·m (kgf·m, ft·lb)

T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

2. FRONT AXLE



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- (1) Spring pin
- (2) Baffle plate
- (3) Outer race (PTJ)
- (4) Snap ring
- (5) Trunnion
- (6) Circlip

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

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

Tightening torque: N-m (kgf-m, ft-lb)

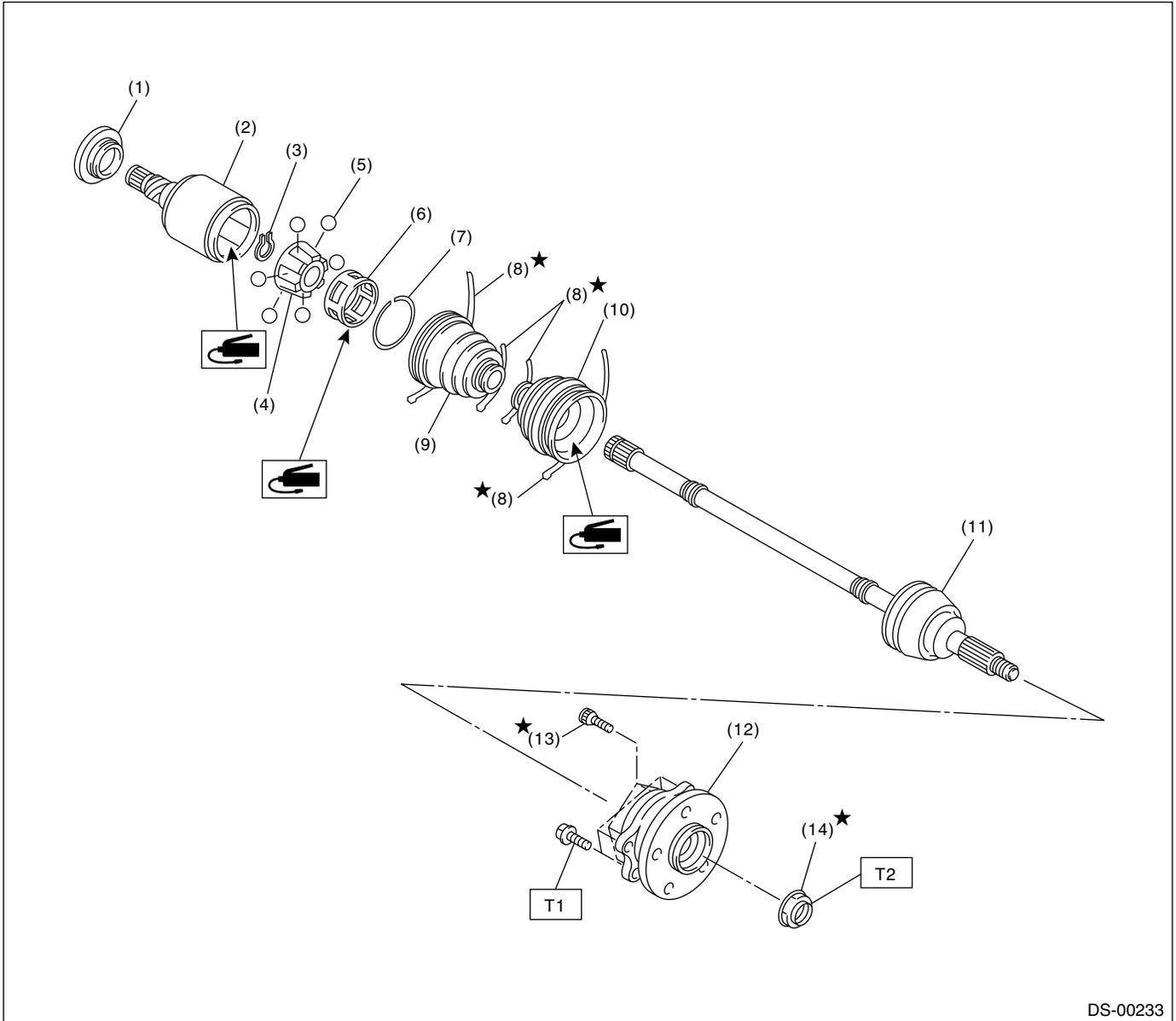
T1: 220 (22.4, 162)

T2: 65 (6.6, 47.9)

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3. REAR AXLE



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

- (8) Boot band
- (9) Boot (DOJ)
- (10) Boot (BJ)
- (11) BJ shaft ASSY (2.5 i AT model)
EBJ shaft ASSY (Except for 2.5 i AT model)
- (12) Rear hub unit bearing

- (13) Hub bolt
- (14) Axle nut (olive color)

Tightening torque: N-m (kgf-m, ft-lb)

T1: 65 (6.6, 47.9)

T2: 190 (19.4, 140)

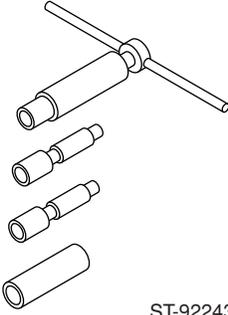
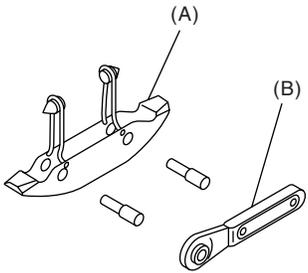
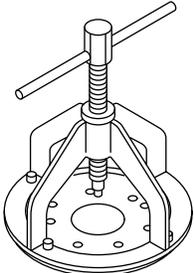
C: CAUTION

- Wear work 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 and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Be careful not to burn yourself, 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 rigid racks 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.

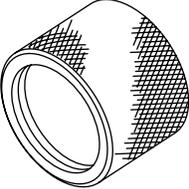
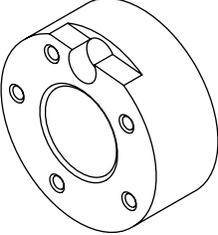
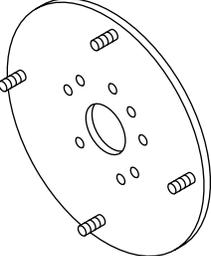
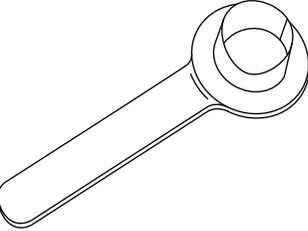
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: right;">ST-922431000</p>	922431000	AXLE SHAFT INSTALLER	<ul style="list-style-type: none"> • Used for installing axle shaft into housing. • Used with ADAPTER (927390000).
 <p style="text-align: right;">ST-925091000</p>	925091000	BAND TIGHTENING TOOL	Used for tightening boot band. (A) Jig for band (B) Ratchet wrench
 <p style="text-align: right;">ST-926470000</p>	926470000	AXLE SHAFT PULLER	Used for removing axle shaft.

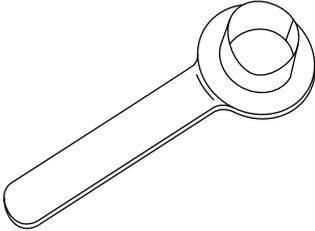
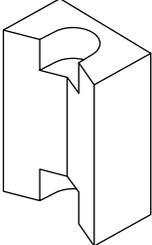
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST18675AA000</p>	18675AA000	DIFFERENTIAL SIDE OIL SEAL INSTALLER	Used for installing differential side retainer oil seal.
 <p style="text-align: center;">ST-927080000</p>	927080000	HUB STAND	Used for assembling hub bolt in hub.
 <p style="text-align: center;">ST-927140000</p>	927140000	AXLE SHAFT PULLER PLATE	Same as plate 2 included in AXLE SHAFT PULLER (926470000).
 <p style="text-align: center;">ST28099PA090</p>	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> • Used for installing rear drive shaft into rear differential. • For protecting oil seal.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST28399SA010	28399SA010	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> • Used for installing front drive shaft into front differential. • For protecting oil seal.
 ST28399AG000	28399AG000 (New adopted tool)	HUB STAND	Used for extracting hub bolt.

2. GENERAL TOOL

DESCRIPTION	REMARKS
Puller	Used for removing ball joint from knuckle arm.
Dial gauge	Used for inspecting propeller shaft run-out.
Extension cap	Used for preventing leak of gear oil or ATF.
Bar	Used for extracting drive shaft.