

GENERAL DESCRIPTION

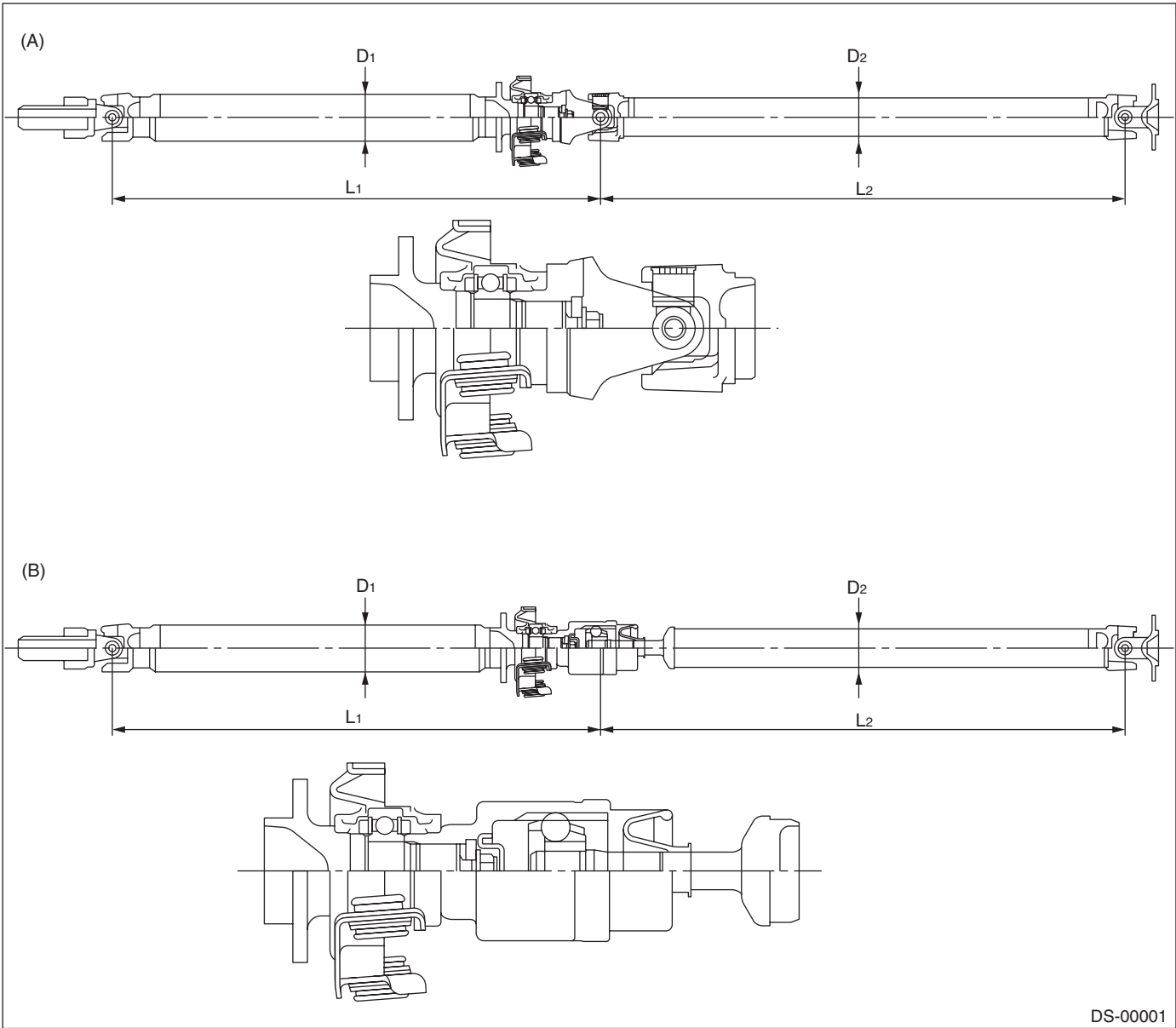
DRIVE SHAFT SYSTEM

1. General Description

A: SPECIFICATIONS

1. PROPELLER SHAFT

Model		Turbo	Non-turbo
Propeller shaft type		DOJ type	UJ type
Front propeller shaft Joint-to-joint length: L ₁ mm (in)	AT	579 (22.79)	584 (22.99)
	MT	638 (25.12)	643 (25.32)
Rear propeller shaft Joint-to-joint length: L ₂ mm (in)		713 (28.07)	708 (27.87)
Outside diameter of tube: mm (in)	D ₁	63.5 (2.500)	
	D ₂	57.0 (2.244)	



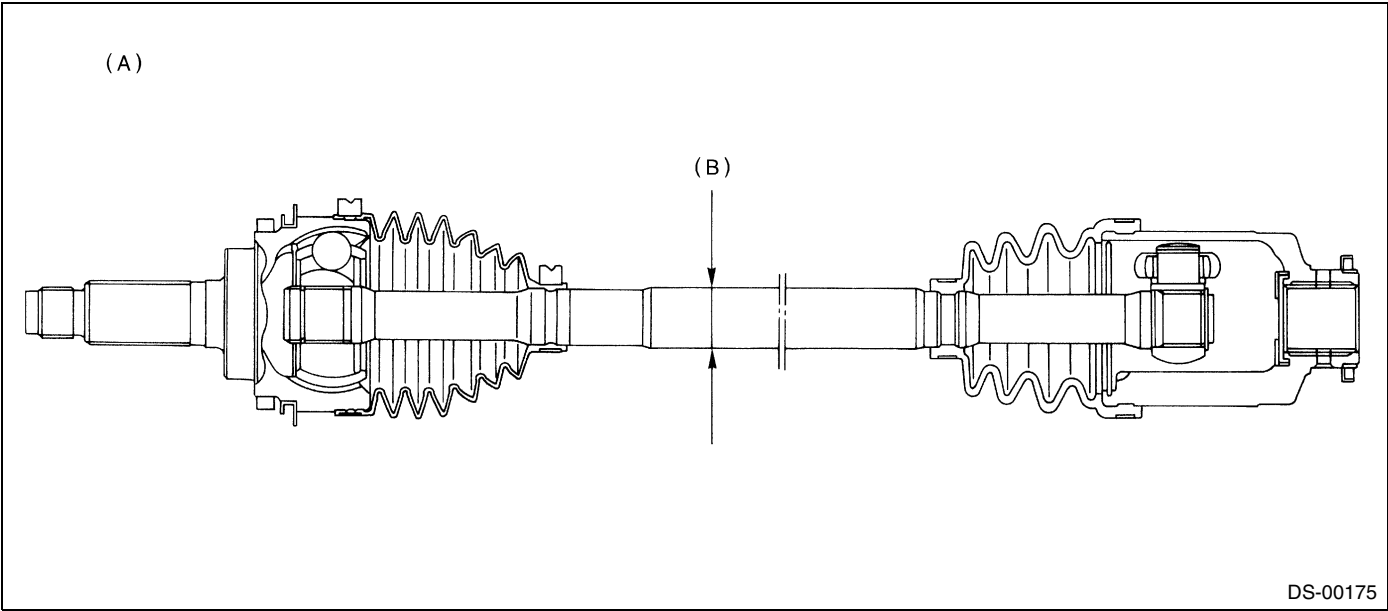
DS-00001

(A) UJ type

(B) DOJ type

2. FRONT DRIVE SHAFT ASSEMBLY

Type of drive shaft assembly	Model	Shaft diameter
EBJ87+SFJ82	Except turbo MT model	26 mm (1.02 in)
	Turbo MT model	28 mm (1.10 in)



(A) EBJ87+SFJ82

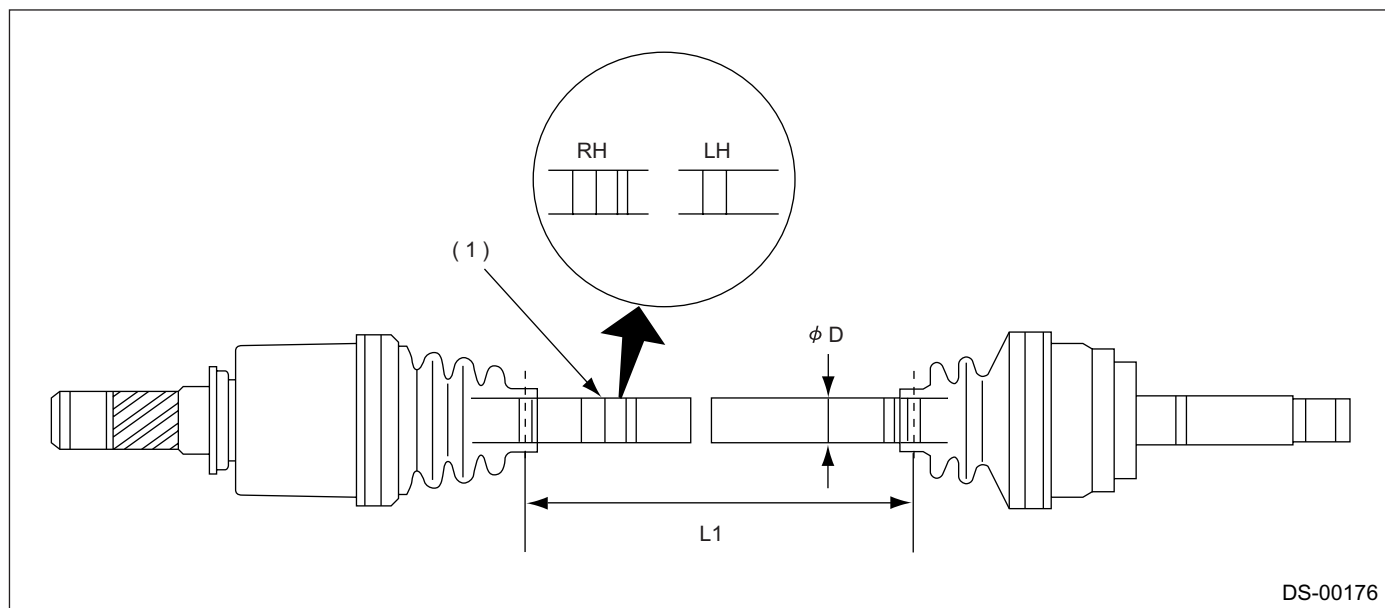
(B) Measuring point

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3. REAR DRIVE SHAFT ASSEMBLY

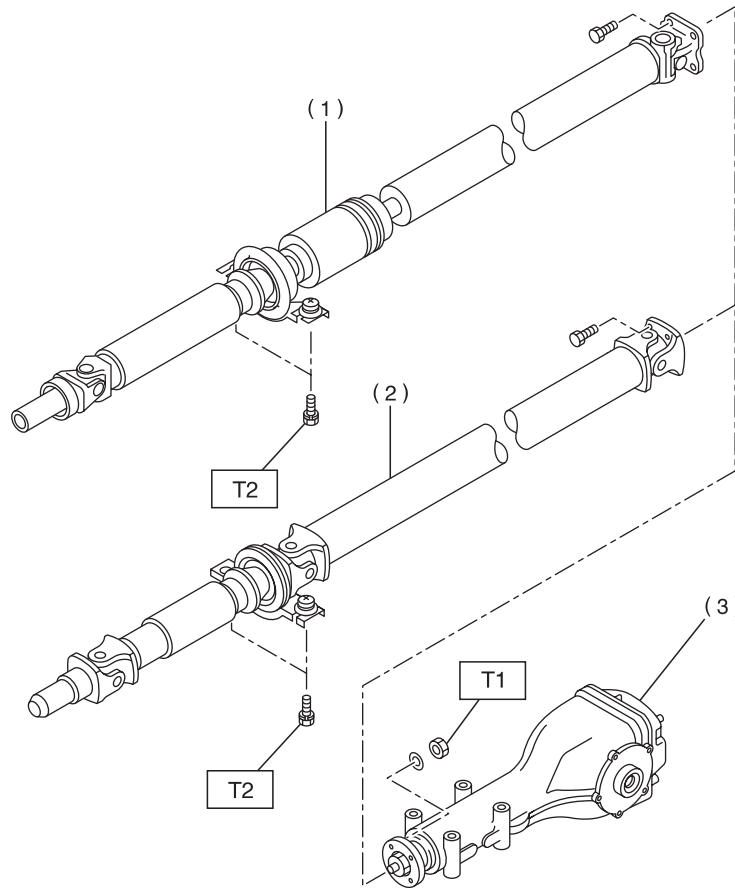
Type of drive shaft assembly	Model	No. of identification protrusion on shaft	L1 (mm)	ϕ D (mm)
EBJ82/DOJ82 RH	Sedan Turbo	2 (Two)	363	24
EBJ82/DOJ82 LH		1 (One)	353	24
BJ79/DOJ79 RH	Sedan Non-turbo	2 (Two)	368	23
BJ79/DOJ79 LH		1 (One)	358	23
EBJ82/DOJ82 RH	Wagon Turbo	2 (Two)	353	24
EBJ82/DOJ82 LH		1 (One)	343	24
BJ79/DOJ79 RH	Wagon Non-turbo	2 (Two)	358	23
BJ79/DOJ79 LH		1 (One)	348	23



(1) Identification protrusion

B: COMPONENT

1. PROPELLER SHAFT



DS-00177

- (1) Propeller shaft (Turbo model)
- (2) Propeller shaft (Non-Turbo model)
- (3) Rear differential

Tightening torque: N·m (kgf·m, ft·lb)

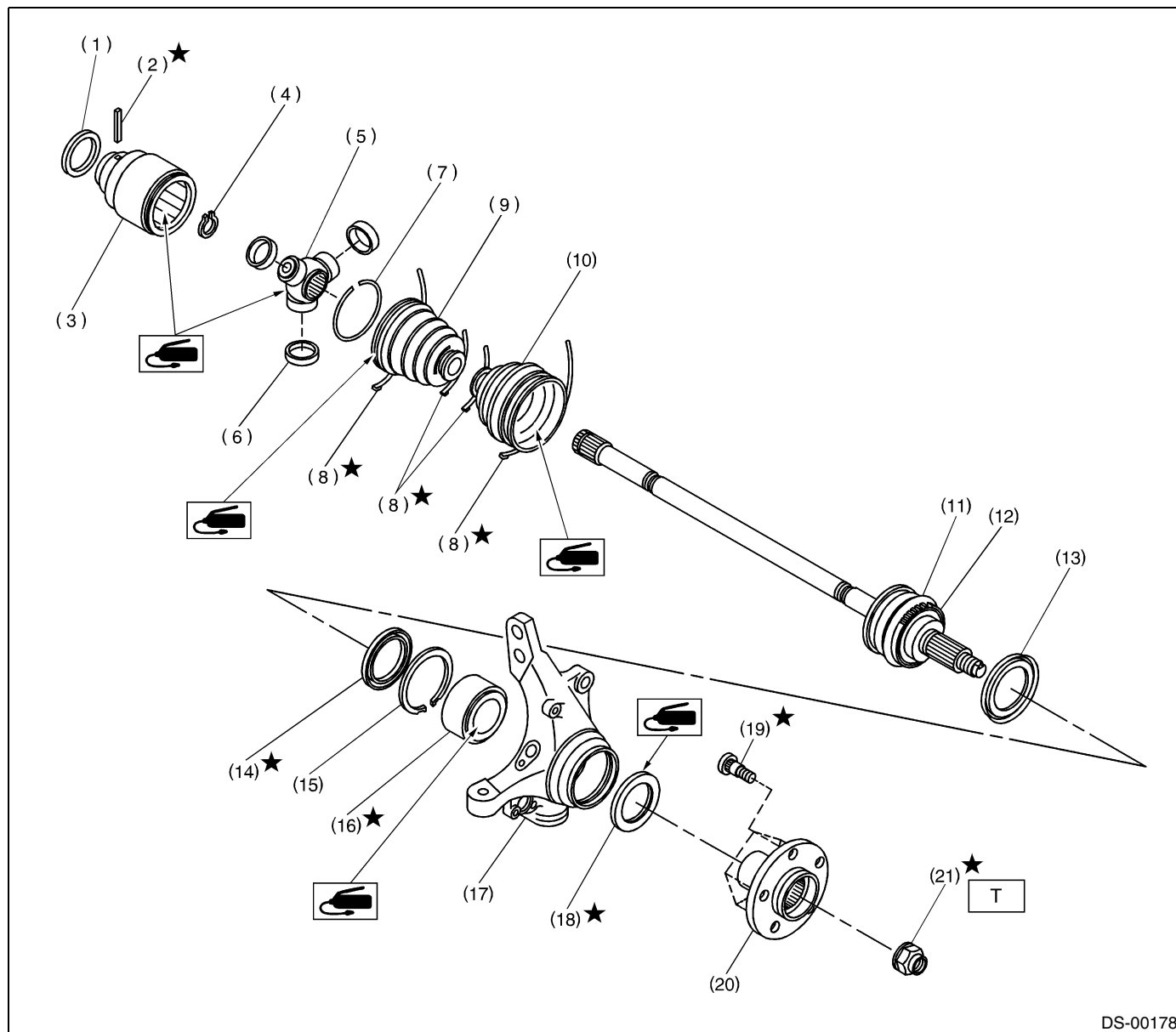
T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

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2. FRONT AXLE



DS-00178

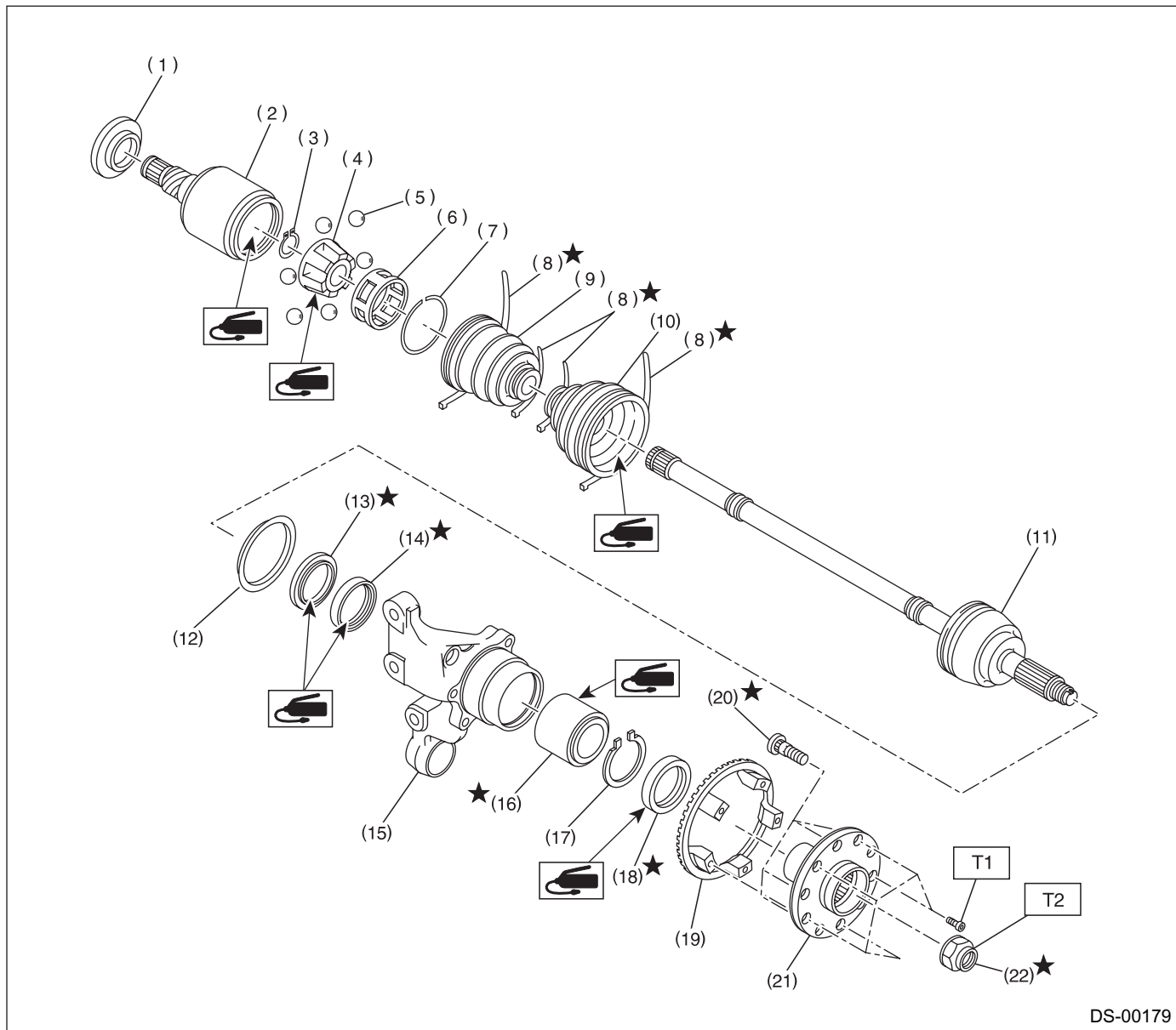
- (1) Baffle plate (SFJ)
- (2) Spring pin ★
- (3) Outer race (SFJ)
- (4) Snap ring
- (5) Trunnion
- (6) Free ring
- (7) Circlip
- (8) Boot band

- (9) Boot (SFJ)
- (10) Boot (EBJ)
- (11) EBJ ASSY
- (12) Tone wheel (With ABS)
- (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 ★

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

Tightening torque: N·m (kgf-m, ft-lb)
T: 190 (19, 140)

3. REAR AXLE



DS-00179

- | | |
|--|----------------------------|
| (1) Baffle plate (DOJ) | (12) Baffle plate |
| (2) Outer race (DOJ) | (13) Oil seal (IN. No. 2) |
| (3) Snap ring | (14) Oil seal (IN) |
| (4) Inner race | (15) Housing |
| (5) Ball | (16) Bearing ASSY |
| (6) Cage | (17) Snap ring |
| (7) Circlip | (18) Oil seal (OUT) |
| (8) Boot band | (19) Tone wheel (With ABS) |
| (9) Boot (DOJ) | (20) Hub bolt |
| (10) Boot (*) | (21) Hub |
| (11) Non-Turbo: BJ ASSY
Turbo: EBJ ASSY | (22) Axle nut |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 13 (1.3, 9.4)

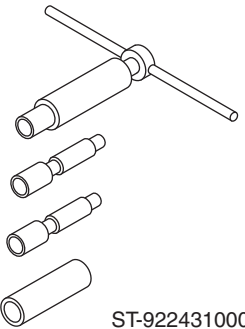
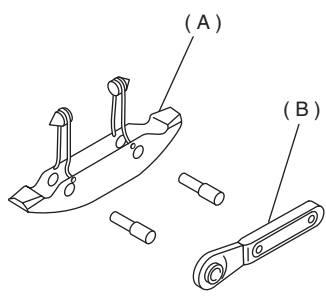
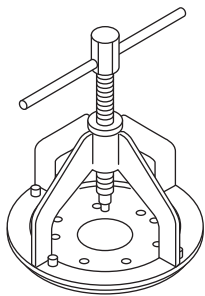
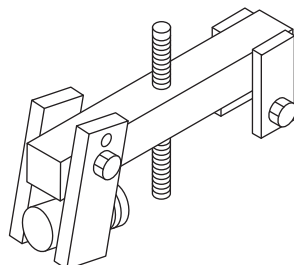
T2: 190 (19, 140)

* Non-Turbo model: BJ
Turbo model: EBJ

C: CAUTION

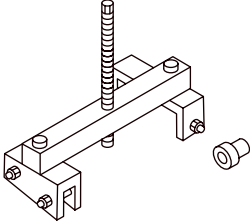
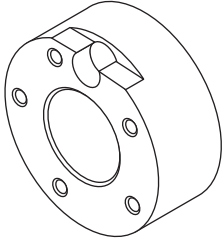
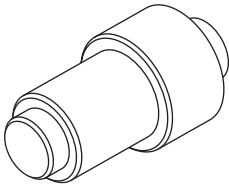
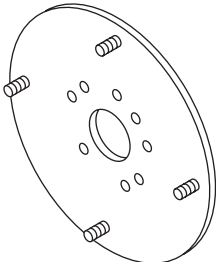
- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation 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 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**1. SPECIAL TOOLS**

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>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>ST-925091000</p>	925091000	BAND TIGHTENING TOOL	<ul style="list-style-type: none"> Used for tightening boot band. (Except front axle housing side) (A) Jig for band (B) Ratchet wrench
 <p>ST-926470000</p>	926470000	AXLE SHAFT PULLER	Used for removing axle shaft.
 <p>ST-927060000</p>	927060000	HUB REMOVER	<ul style="list-style-type: none"> Used for removing front hub. Used with HUB STAND (927080000).

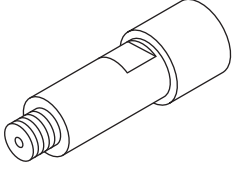
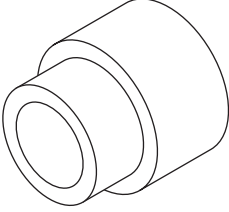
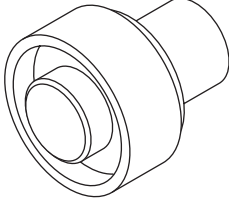
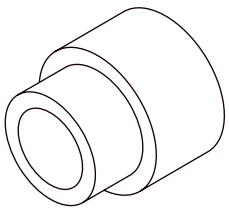
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST-927420000</p>	927420000	HUB REMOVER	<ul style="list-style-type: none"> Used for removing rear hub. Used with HUB STAND (927080000).
 <p>ST-927080000</p>	927080000	HUB STAND	Used for disassembling and assembling hub bolt in hub.
 <p>ST-927100000</p>	927100000	BEARING PULLER	<ul style="list-style-type: none"> Used for disassembling and assembling front housing bearing. Used with HOUSING STAND (927400000).
 <p>ST-927140000</p>	927140000	AXLE SHAFT PULLER PLATE	Same as plate 2 included in AXLE SHAFT PULLER (926470000).

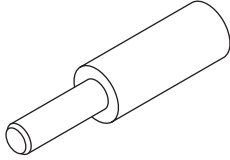
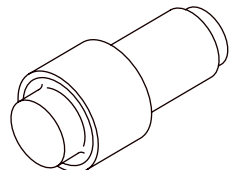
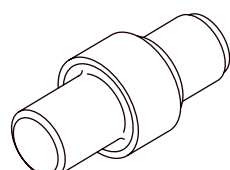
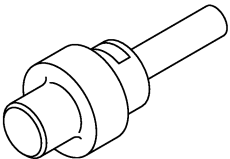
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST-927390000</p>	927390000	ADAPTER	Used as an adapter for AXLE SHAFT INSTALLER (922431000).
 <p>ST-927400000</p>	927400000	HOUSING STAND	<ul style="list-style-type: none"> • Used for disassembling and assembling front housing bearing. • Used with BEARING PULLER (927100000).
 <p>ST-927410000</p>	927410000	OIL SEAL INSTALLER	<ul style="list-style-type: none"> • Used for installing oil seal into front housing. • Used with HOUSING STAND (927400000).
 <p>ST-927430000</p>	927430000	HOUSING STAND	<ul style="list-style-type: none"> • Used for disassembling and assembling rear housing bearing. • Used with BEARING PULLER (927440000).

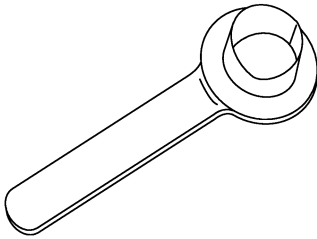
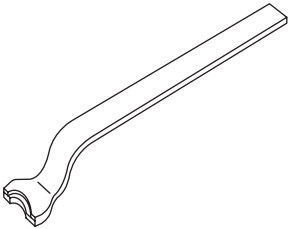
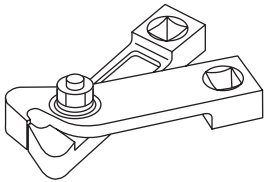
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927120000	927120000	HUB INSTALLER	Used for installing hub.
 ST-927440000	927440000	BEARING REMOVER	<ul style="list-style-type: none"> • Used for disassembling and assembling rear housing bearing. • Used with HOUSING STAND (927430000).
 ST-927460000	927460000	OIL SEAL INSTALLER	<ul style="list-style-type: none"> • Used for installing outer bearing and sub bearing into holding. • Used with HOUSING STAND (927430000).
 ST-927450000	927450000	HUB INSTALLER	<ul style="list-style-type: none"> • Used for installing hub unit into hub ASSY. • Used with BEARING SPACER (28499AE000) and HUB STAND (927080000).

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST28399SA010</p>	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> Used for installing rear drive shaft into rear differential. For protecting oil seal.
 <p>ST28099PA100</p>	28099PA100	DRIVE SHAFT REMOVER	Used for removing rear drive shaft from rear differential.
 <p>ST28099AC000</p>	28099AC000	BOOT BAND PLIERS	Used for tightening front EBJ boot band. (Front axle housing side)

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.