

General Description

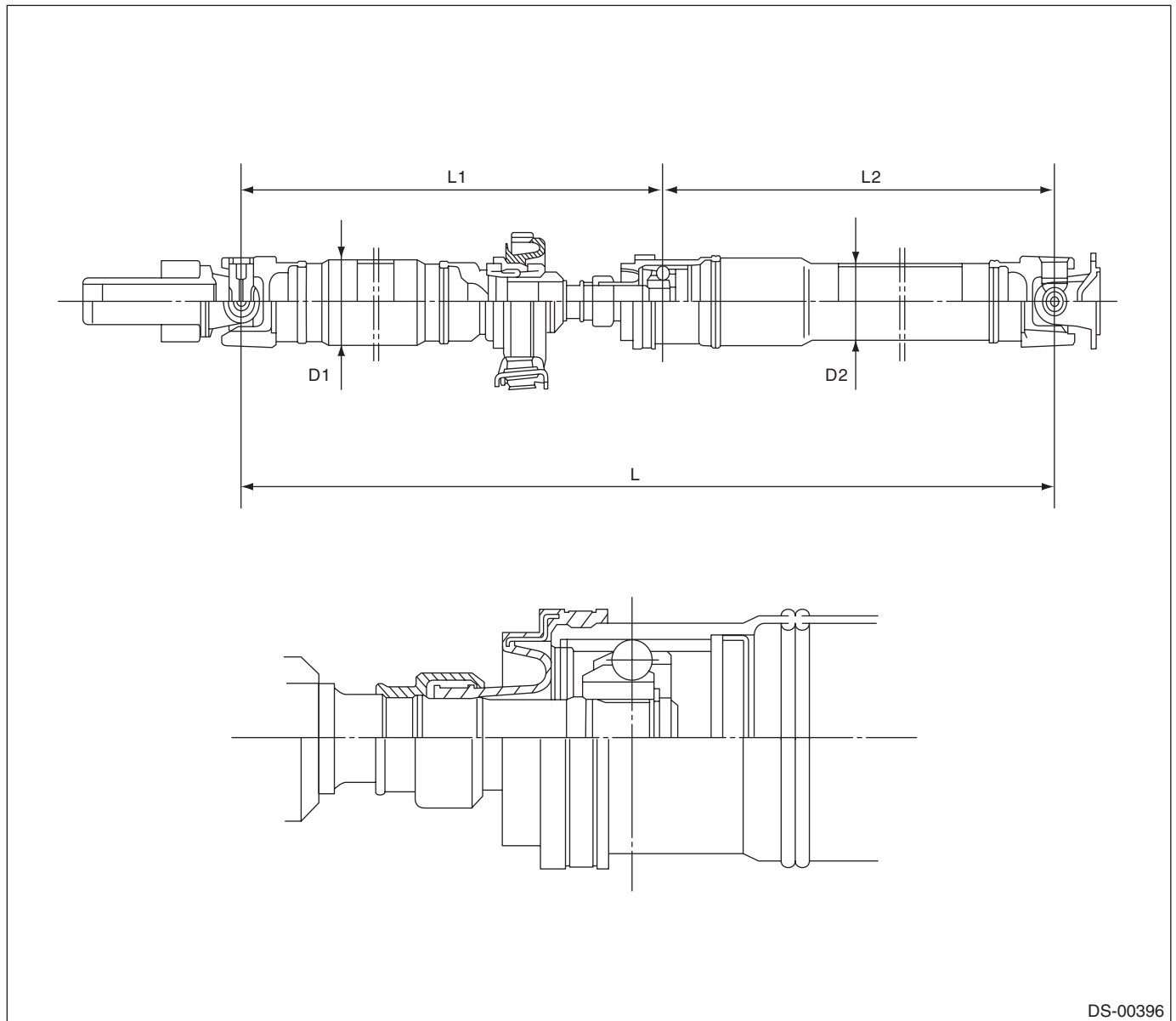
DRIVE SHAFT SYSTEM

1. General Description

A: SPECIFICATION

1. PROPELLER SHAFT

Model		AT	MT
Propeller shaft type		EDJ	
Propeller shaft length: L	mm (in)	1292 (50.87)	1352 (53.23)
Front propeller shaft joint-to-joint length: L ₁	mm (in)	608 (23.93)	668 (26.30)
Rear propeller shaft joint-to-joint length: L ₂	mm (in)	684 (26.93)	
Outer diameter of tube:	mm (in)	D ₁	63.5 (2.50)
		D ₂	57.5 (2.26)

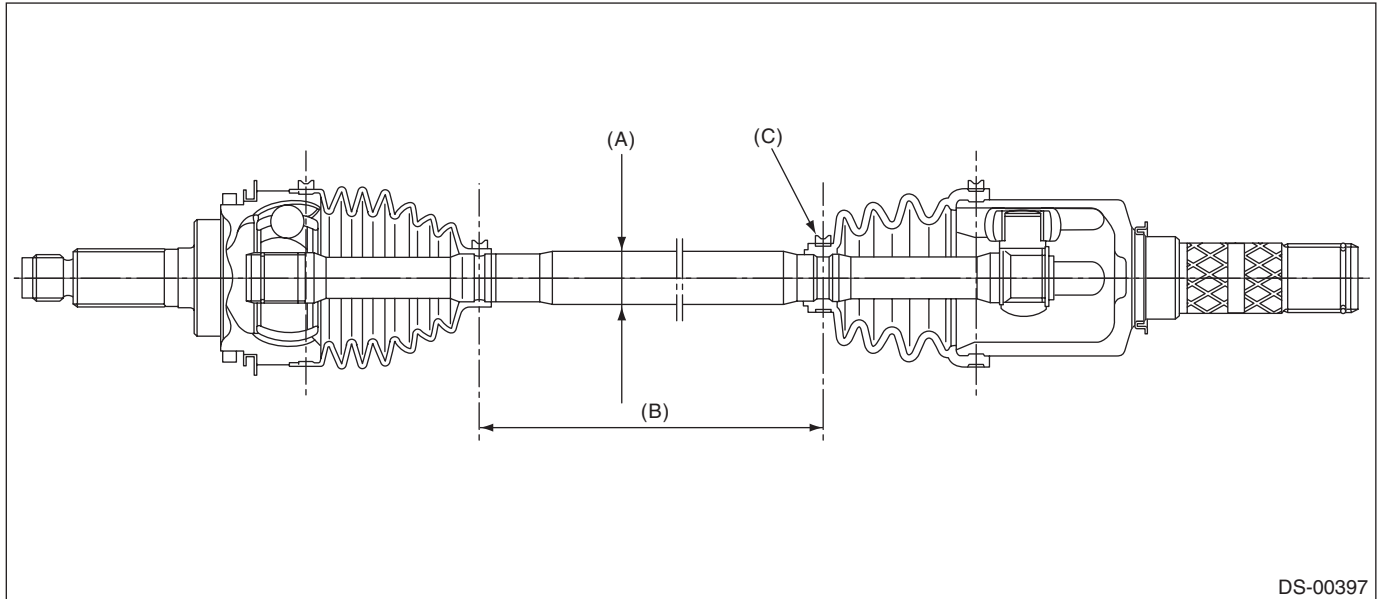


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2. FRONT DRIVE SHAFT ASSEMBLY

Specification	Model	Boot band identification color	L1 mm (in)	ϕ D mm (in)
AC + AARi	Non-turbo, Turbo AT	Blue	319.8 (12.59)	24.9 (0.98)
	Turbo MT	—	320.2 (12.61)	24.9 (0.98)



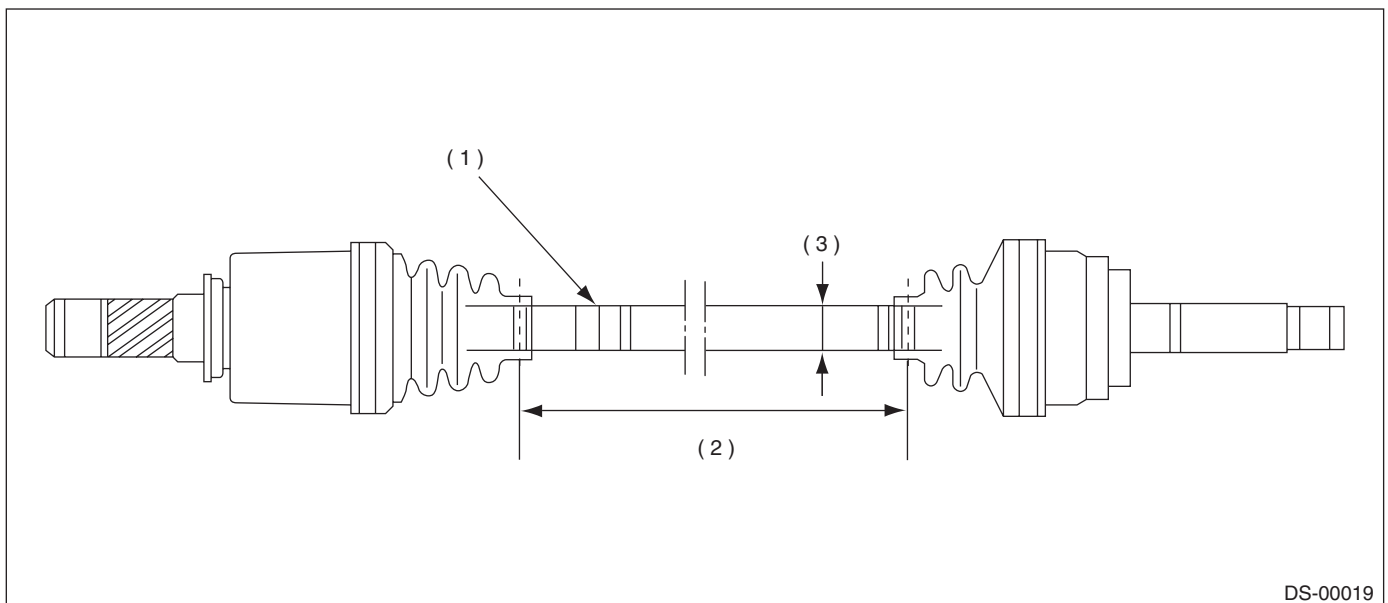
(A) ϕ D mm (in)

(B) L1 mm (in)

(C) Boot band

3. REAR DRIVE SHAFT ASSEMBLY

Specification	Model	No. of shaft identification groove	L1 mm (in)	ϕ D mm (in)
EBJ + DOJ RH	All models	2	367.4 (14.5)	24 (0.9)
EBJ + DOJ LH		1	357.4 (14.1)	24 (0.9)



(1) Identification groove

(2) L1 mm (in)

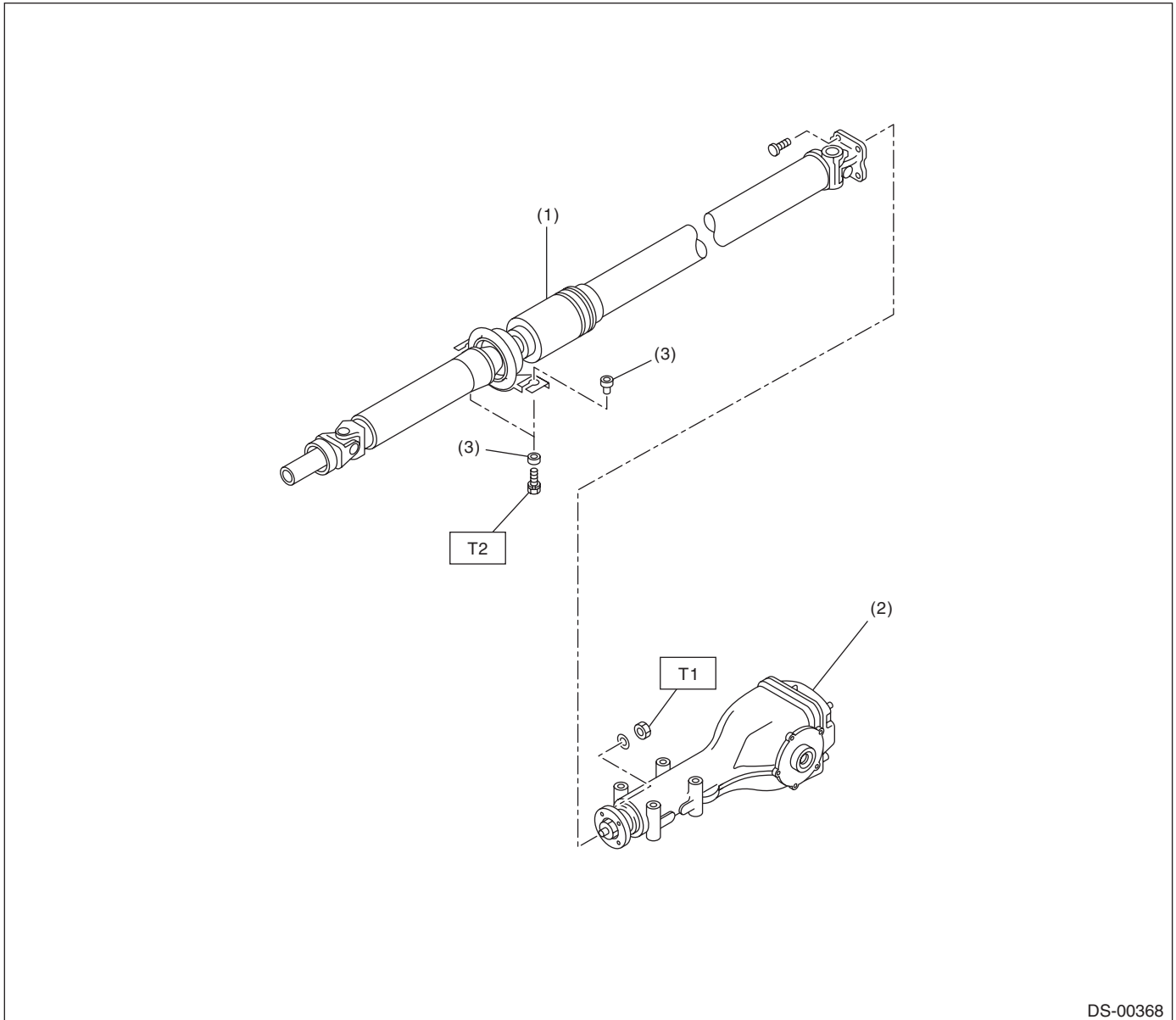
(3) ϕ D mm (in)

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B: COMPONENT

1. PROPELLER SHAFT



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

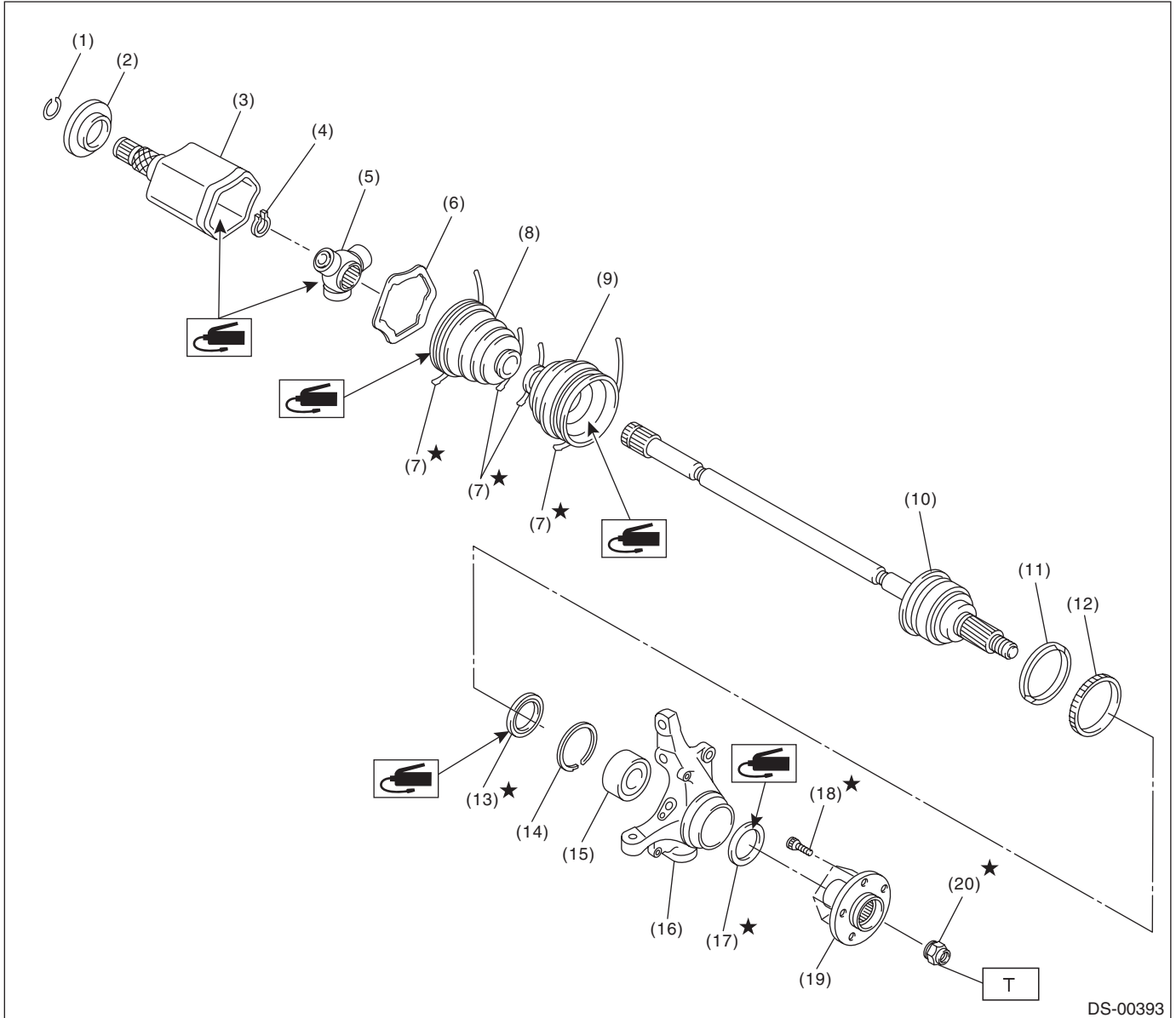
- (3) Bushing

Tightening torque: N·m (kgf·m, ft·lb)

T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

2. FRONT AXLE



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- | | | |
|------------------|---------------------|---------------------|
| (1) Circlip | (9) Boot (AC) | (17) Outer oil seal |
| (2) Baffle plate | (10) AC ASSY | (18) Hub bolt |
| (3) Outer race | (11) Baffle plate | (19) Hub |
| (4) Snap ring | (12) Tone wheel | (20) Axle nut |
| (5) Trunnion | (13) Inner oil seal | |
| (6) Retainer | (14) Snap ring | |
| (7) Boot band | (15) Bearing | |
| (8) Boot (AARi) | (16) Housing | |

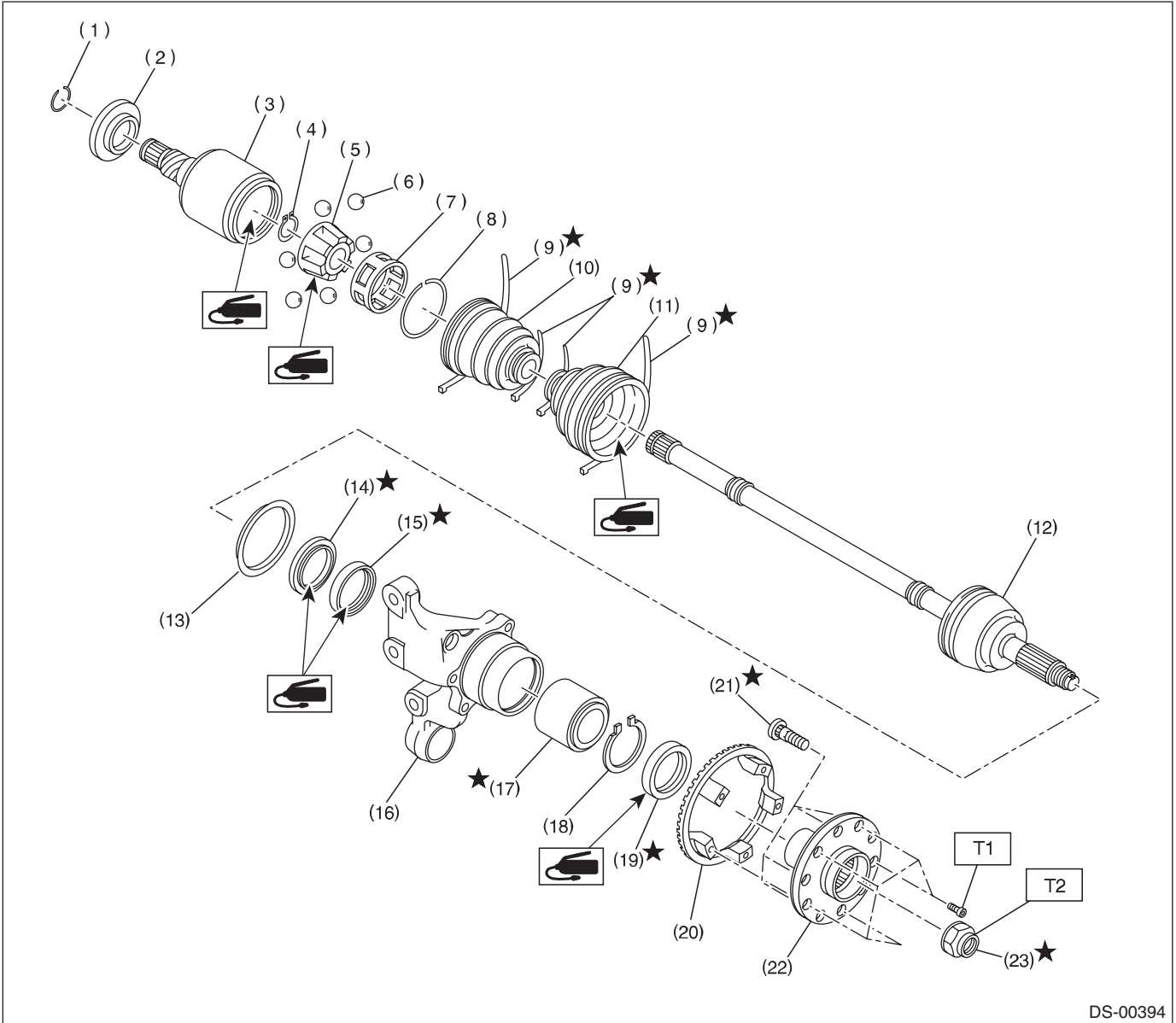
Tightening torque: N·m (kgf·m, ft·lb)

T: 220 (22.4, 162)

General Description

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3. REAR AXLE



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- | | | |
|------------------------|-----------------------|---------------------|
| (1) Circlip | (10) DOJ (Boot) | (19) Outer oil seal |
| (2) Baffle plate (DOJ) | (11) Boot | (20) Tone wheel |
| (3) Outer race (DOJ) | (12) EBJ ASSY | (21) Hub bolt |
| (4) Snap ring | (13) Baffle plate | (22) Hub |
| (5) Inner race | (14) Inner oil seal 2 | (23) Axle nut |
| (6) Ball | (15) Inner oil seal 3 | |
| (7) Cage | (16) Housing | |
| (8) Circlip | (17) Bearing | |
| (9) Boot band | (18) Snap ring | |

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

T1: 13 (1.3, 9.4)

T2: 190 (19.4, 140)

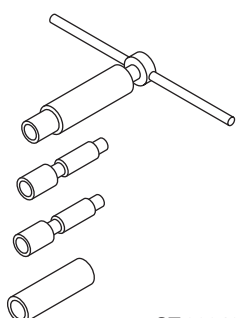
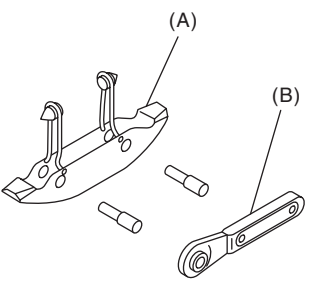
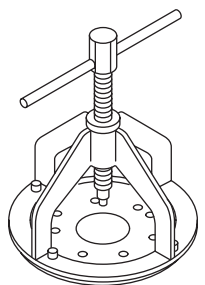
C: CAUTION

- 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 material such as wood blocks, aluminum plate, or shop cloth between the part and the vise.

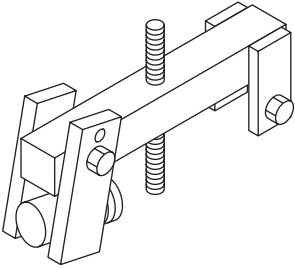
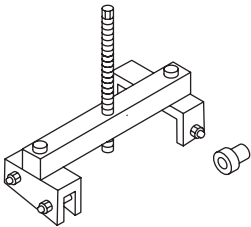
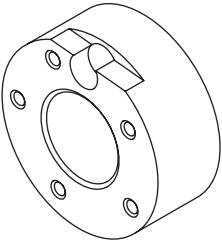
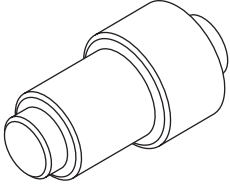
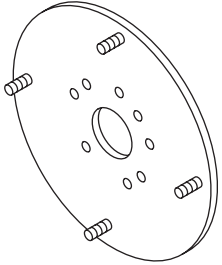
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: right; margin-right: 50px;">ST-922431000</p>	922431000	AXLE SHAFT INSTALLER	<ul style="list-style-type: none"> • Used for installing the axle shaft into housing. • Used together with ADAPTER (927390000).
 <p style="text-align: right; margin-right: 50px;">ST-925091000</p>	925091000	BAND TIGHTENING TOOL	Used for tightening the boot band. (A) Jig for the band (B) Ratchet wrench
 <p style="text-align: right; margin-right: 50px;">ST-926470000</p>	926470000	AXLE SHAFT PULLER	Used for removing the axle shaft.

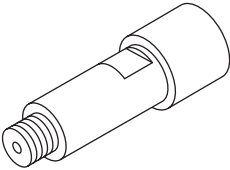
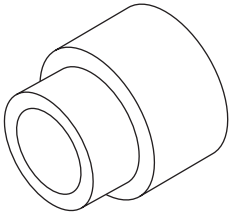
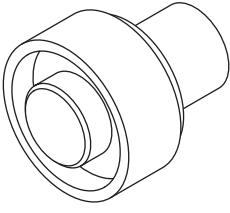
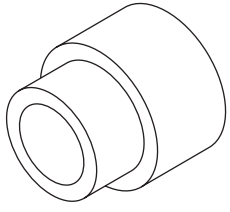
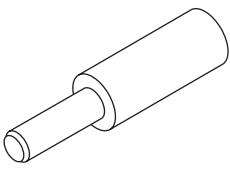
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST-927060000</p>	927060000	HUB REMOVER	<ul style="list-style-type: none"> • Used for removing front hub. • Used together with HUB STAND (927080000).
 <p style="text-align: center;">ST-927420000</p>	927420000	HUB REMOVER	<ul style="list-style-type: none"> • Used for removing rear hub. • Used together with HUB STAND (927080000).
 <p style="text-align: center;">ST-927080000</p>	927080000	HUB STAND	Used for disassembling and assembling hub bolt in hub.
 <p style="text-align: center;">ST-927100000</p>	927100000	BEARING PULLER	<ul style="list-style-type: none"> • Used for disassembling and assembling the front housing bearing. • Used together with HOUSING STAND (927400000).
 <p style="text-align: center;">ST-927140000</p>	927140000	AXLE SHAFT PULLER PLATE	Same as plate 2 included in AXLE SHAFT PULLER (926470000).

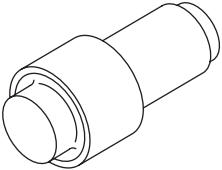
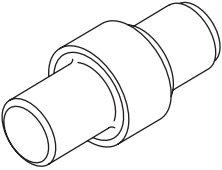
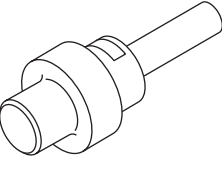
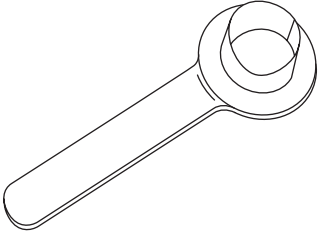
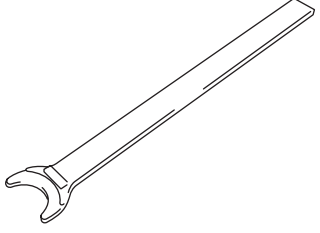
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST-927390000</p>	927390000	ADAPTER	Used as an adapter for AXLE SHAFT INSTALLER (922431000).
 <p style="text-align: center;">ST-927400000</p>	927400000	HOUSING STAND	<ul style="list-style-type: none"> • Used for disassembling and assembling the front housing bearing. • Used together with BEARING PULLER (927100000).
 <p style="text-align: center;">ST-927410000</p>	927410000	OIL SEAL INSTALLER	<ul style="list-style-type: none"> • Used for installing oil seal into front housing. • Used together with HOUSING STAND (927400000).
 <p style="text-align: center;">ST-927430000</p>	927430000	HOUSING STAND	<ul style="list-style-type: none"> • Used for disassembling and assembling rear housing bearing. • Used together with BEARING PULLER (927440000).
 <p style="text-align: center;">ST-927120000</p>	927120000	HUB INSTALLER	Used for installing hub.

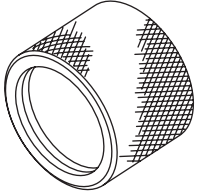
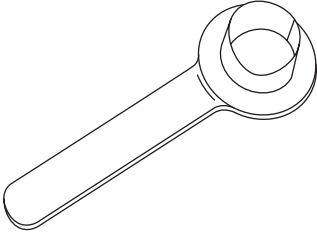
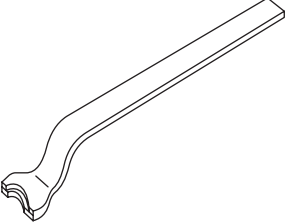
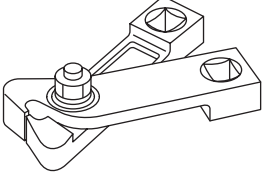
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 <p style="text-align: center;">ST-927440000</p>	927440000	BEARING REMOVER	<ul style="list-style-type: none"> • Used for disassembling and assembling the rear wheel bearing. • Used together with HOUSING STAND (927430000).
 <p style="text-align: center;">ST-927460000</p>	927460000	OIL SEAL INSTALLER	<ul style="list-style-type: none"> • Used for installing the outer oil seal. • Used together with HOUSING STAND (927430000).
 <p style="text-align: center;">ST-927450000</p>	927450000	HUB INSTALLER	<ul style="list-style-type: none"> • Used for pressing in the hub bearing into the hub. • Used together with HUB STAND (927080000).
 <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;">ST28399SA000</p>	28399SA000	DRIVE SHAFT REMOVER	Used for removing the front drive shaft from the front differential.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST18675AA000</p>	18675AA000	DIFFERENTIAL SIDE OIL SEAL INSTALLER	Used for installing the differential side retainer oil seal.
 <p>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>ST28099PA100</p>	28099PA100	DRIVE SHAFT REMOVER	Used for removing the rear drive shaft from the rear differential.
 <p>ST28099AC000</p>	28099AC000	BOOT BAND PLIER	Used for tightening front AC boot band.

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.
Snap ring pliers	Used for installing and removing the snap ring.
Extension cap	When removing the propeller shaft, used to prevent gear oil or ATF fluid from leaking.