

General Description

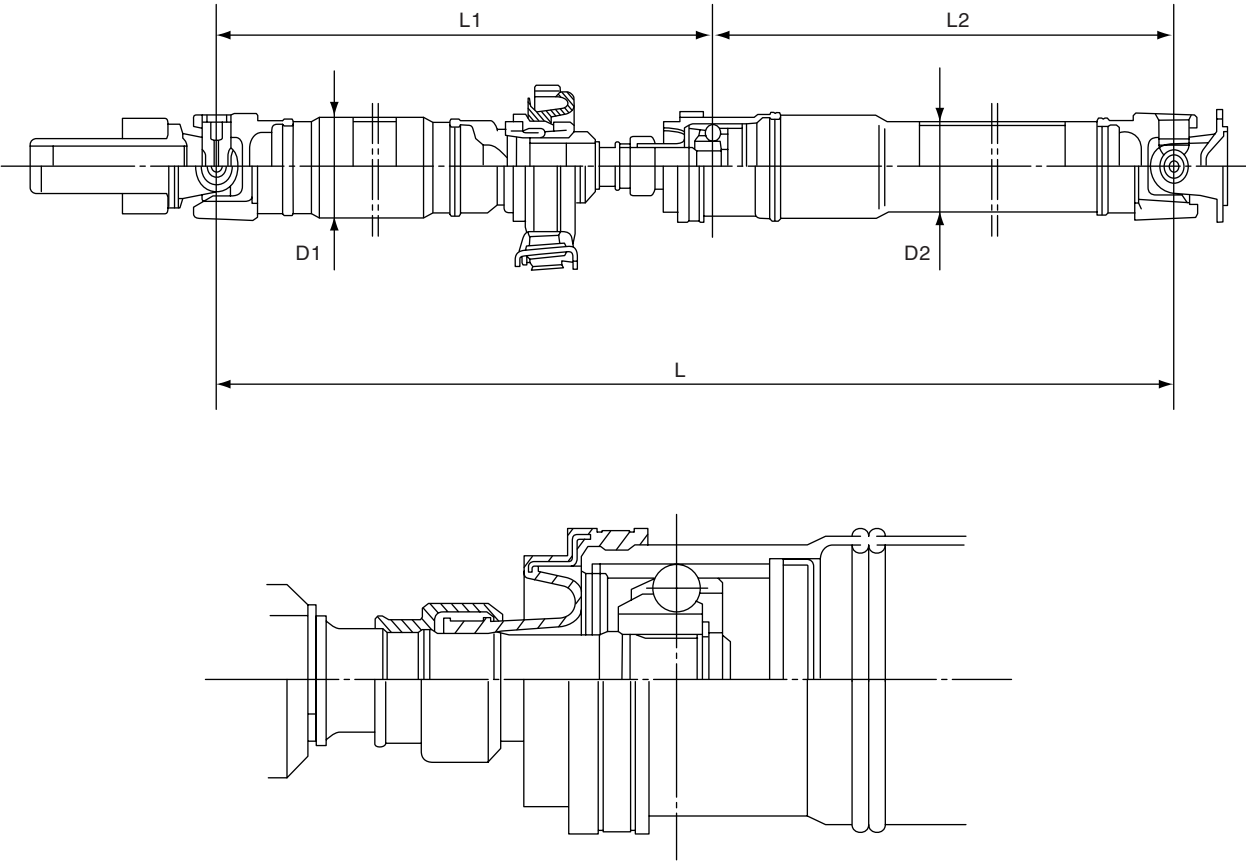
DRIVE SHAFT SYSTEM

1. General Description

A: SPECIFICATION

1. PROPELLER SHAFT

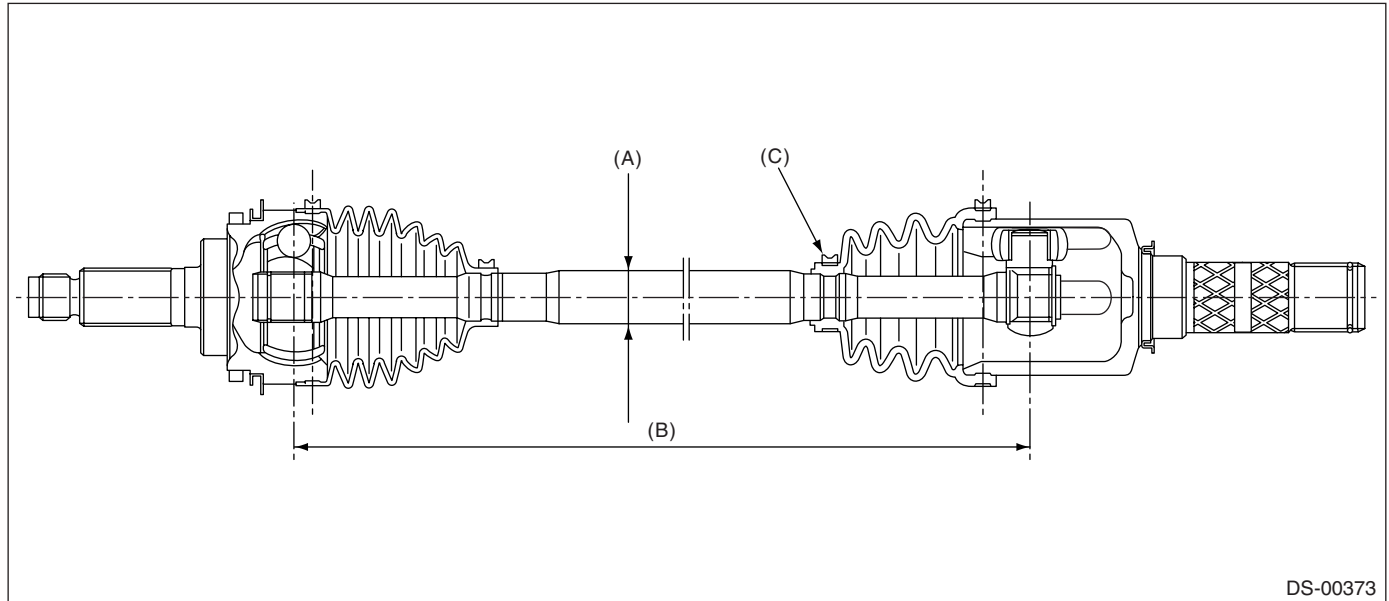
Model		AT	MT
Propeller shaft type		EDJ	
Propeller shaft length: L	mm (in)	1292 (50.87)	1352 (53.23)
Front propeller shaft joint-to-joint length: L ₁	mm (in)	608 (23.93)	668 (26.30)
Rear propeller shaft joint-to-joint length: L ₂	mm (in)	684 (26.93)	
Outer diameter of tube:	D ₁	63.5 (2.50)	
	D ₂	57.5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



DS-00226

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	513 (20.2)	24.9 (0.98)
	Turbo MT	—	511.4 (20.13)	24.9 (0.98)



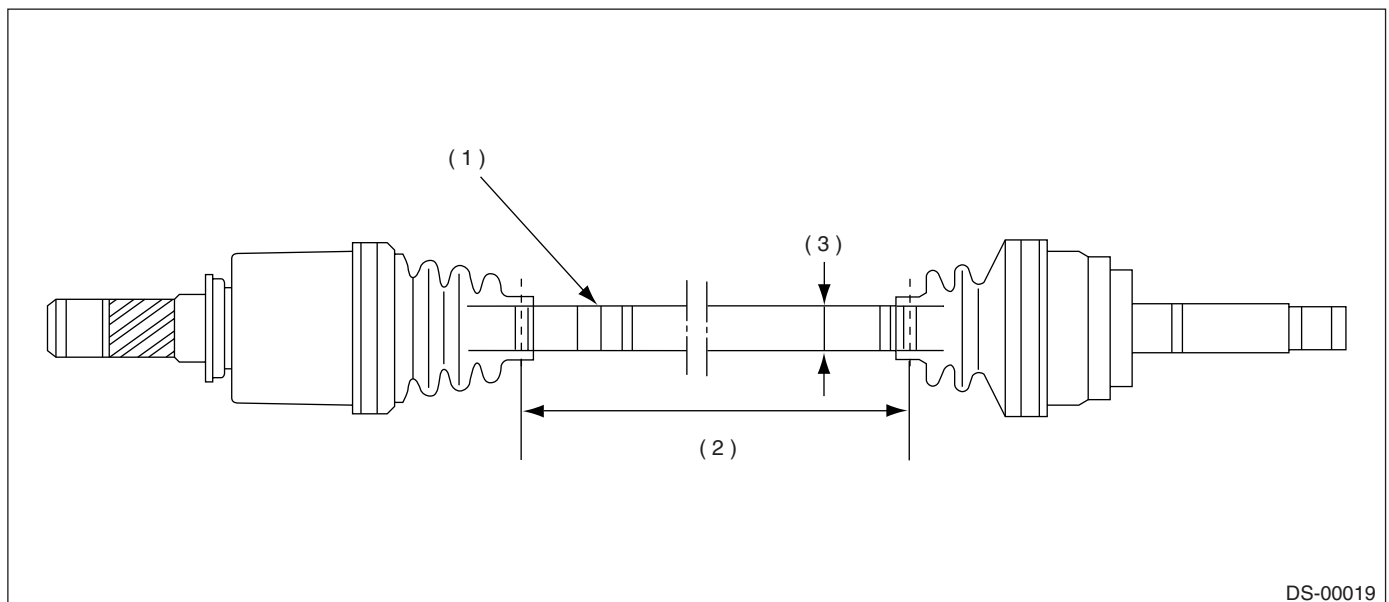
(A) ϕ D mm (in)

(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)

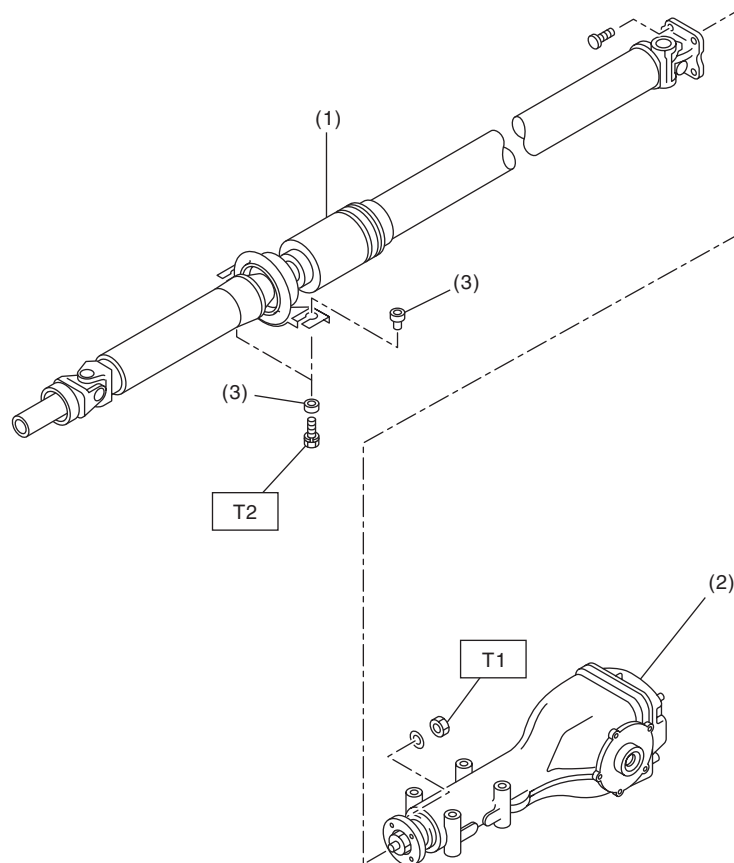
(3) ϕ D mm (in)

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B: COMPONENT

1. PROPELLER SHAFT



DS-00368

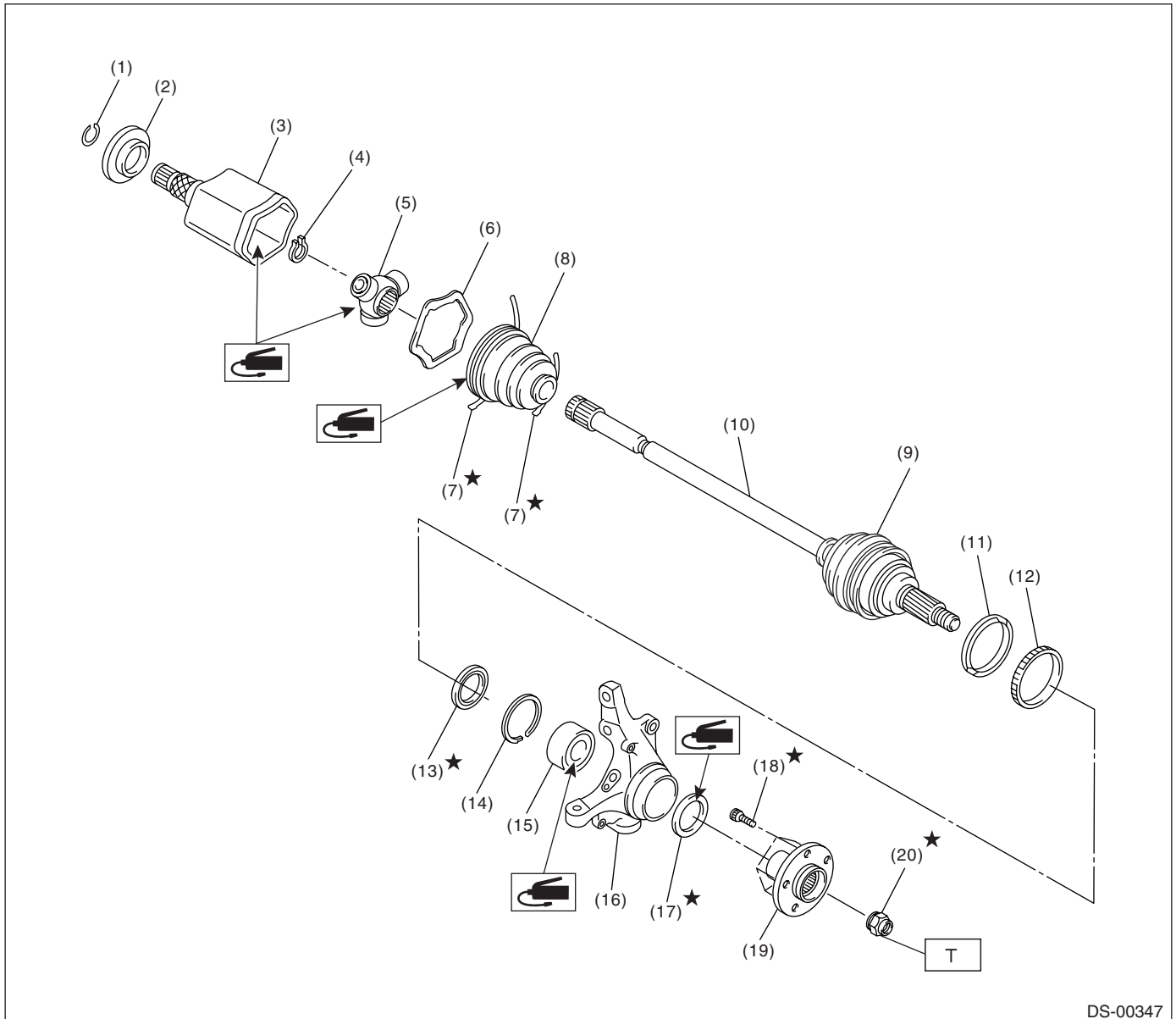
- (1) Propeller shaft
- (2) Rear differential
- (3) Bushing

Tightening torque: N·m (kgf-m, ft-lb)

T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

2. FRONT AXLE



DS-00347

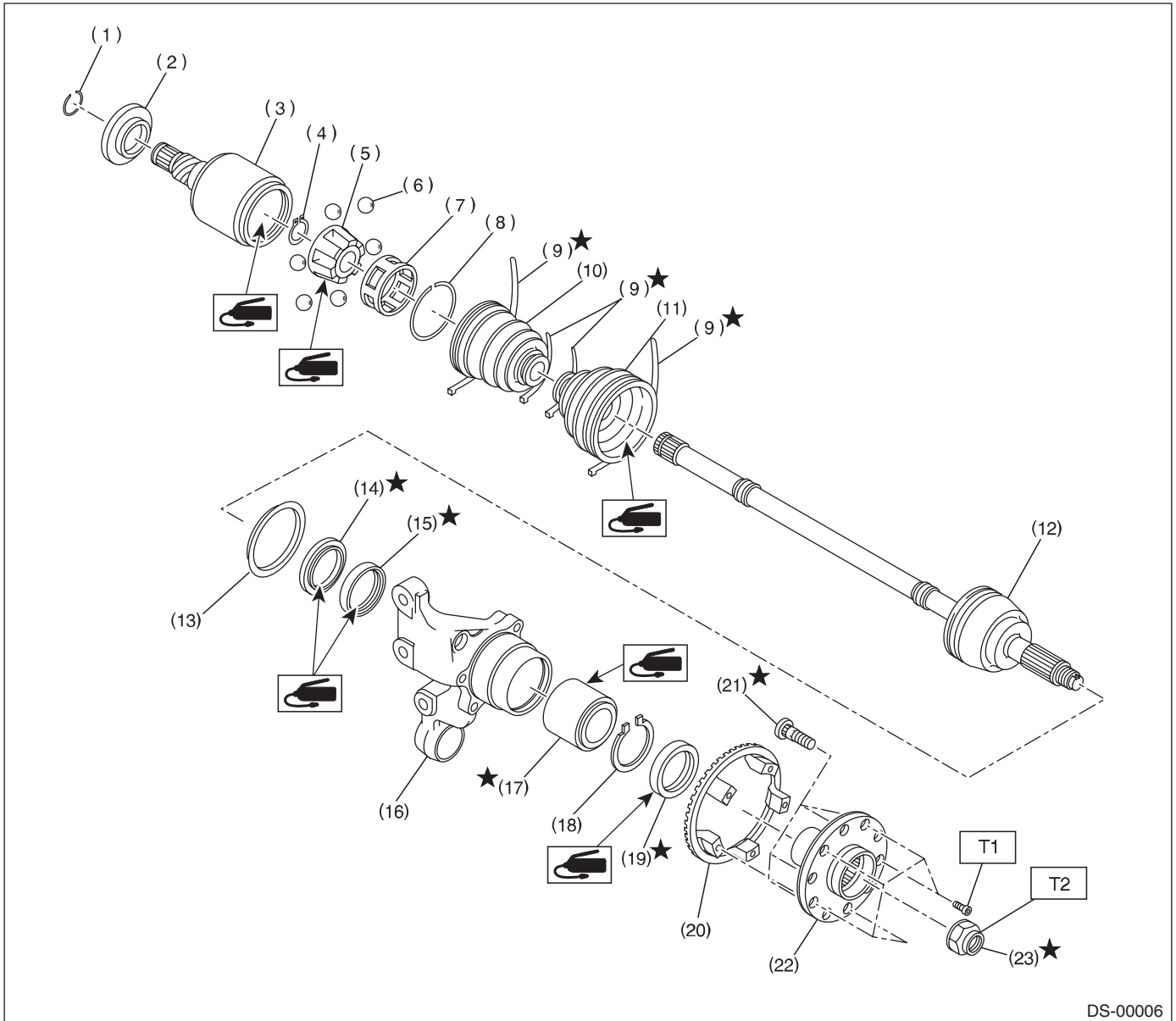
- | | | |
|------------------|---------------------|---------------------|
| (1) Circlip | (9) Boot (AC) | (17) Outer oil seal |
| (2) Baffle plate | (10) AC ASSY | (18) Hub bolt |
| (3) Outer race | (11) Tone wheel | (19) Hub |
| (4) Snap ring | (12) Baffle plate | (20) Axle nut |
| (5) Trunnion | (13) 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



DS-00006

- (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) DOJ (Boot)
- (11) Boot
- (12) EBJ ASSY
- (13) Baffle plate
- (14) Inner oil seal 2
- (15) Inner oil seal 3
- (16) Housing
- (17) Bearing
- (18) Snap ring

- (19) Outer oil seal
- (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)

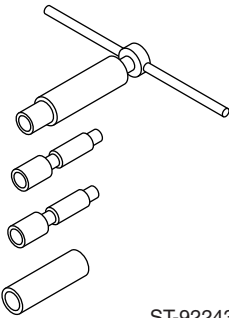
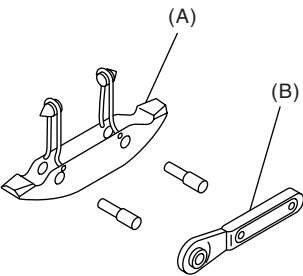
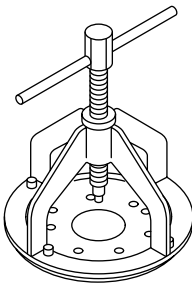
T2: 190 (19.4, 140)

C: CAUTION

- Wear 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 your hands, because each part on the vehicle is hot after running.
- Use SUBARU genuine grease etc. or 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.

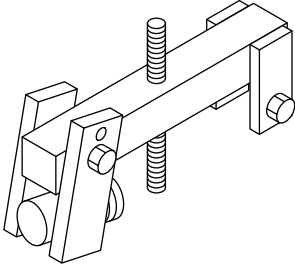
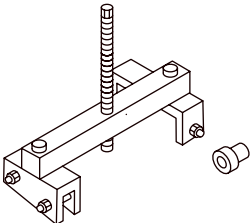
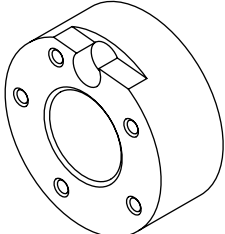
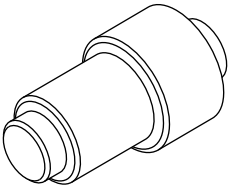
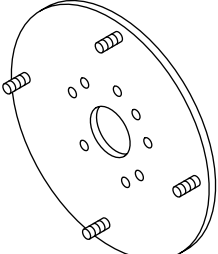
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-922431000	922431000	AXLE SHAFT INSTALLER	• Used for installing the axle shaft into housing. • Used with ADAPTER (927390000).
 ST-925091000	925091000	BAND TIGHTENING TOOL	Used for tightening the boot band. (A) Jig for the band (B) Ratchet wrench
 ST-926470000	926470000	AXLE SHAFT PULLER	Used for removing the axle shaft.

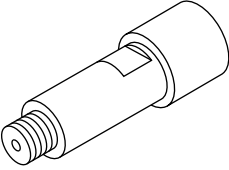
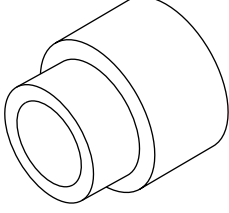
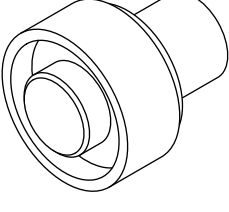
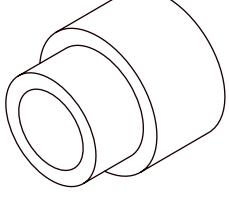
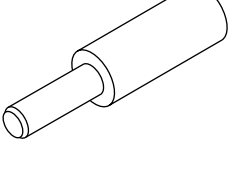
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927060000	927060000	HUB REMOVER	- Used for removing front hub. - Used with HUB STAND (927080000).
 ST-927420000	927420000	HUB REMOVER	- Used for removing rear hub. - Used with HUB STAND (927080000).
 ST-927080000	927080000	HUB STAND	Used for disassembling and assembling hub bolt in hub.
 ST-927100000	927100000	BEARING PULLER	- Used for disassembling and assembling the front housing bearing. - Used with HOUSING STAND (927400000).
 ST-927140000	927140000	AXLE SHAFT PULLER PLATE	Same as plate 2 included in AXLE SHAFT PULLER (926470000).

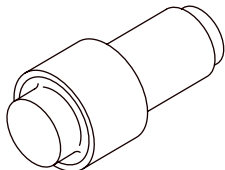
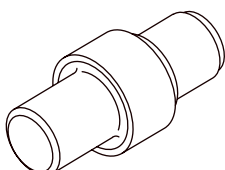
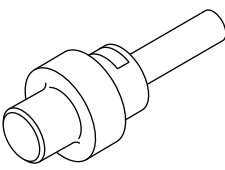
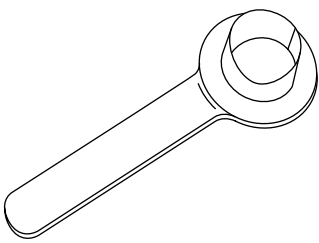
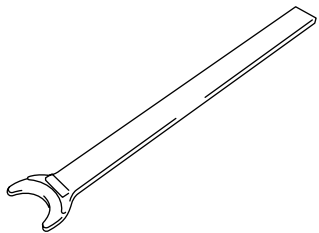
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927390000	927390000	ADAPTER	Used as an adapter for AXLE SHAFT INSTALLER (922431000).
 ST-927400000	927400000	HOUSING STAND	- Used for disassembling and assembling the front housing bearing. - Used with BEARING PULLER (927100000).
 ST-927410000	927410000	OIL SEAL INSTALLER	- Used for installing oil seal into front housing. - Used with HOUSING STAND (927400000).
 ST-927430000	927430000	HOUSING STAND	- Used for disassembling and assembling rear housing bearing. - Used with BEARING PULLER (927440000).
 ST-927120000	927120000	HUB INSTALLER	Used for installing hub.

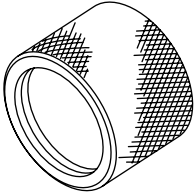
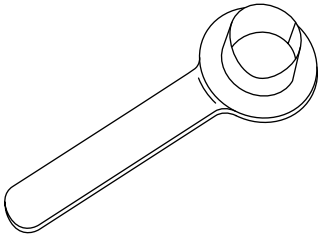
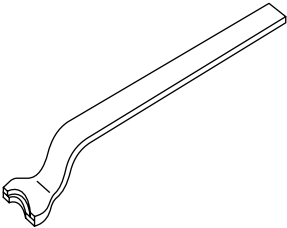
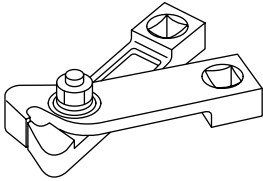
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927440000	927440000	BEARING REMOVER	- Used for disassembling and assembling the rear wheel bearing. - Used with HOUSING STAND (927430000).
 ST-927460000	927460000	OIL SEAL INSTALLER	- Used for installing the outer oil seal. - Used with HOUSING STAND (927430000).
 ST-927450000	927450000	HUB INSTALLER	- Used for pressing in the hub bearing into the hub. - Used with HUB STAND (927080000).
 ST28399SA010	28399SA010	OIL SEAL PROTECTOR	- Used for installing front drive shaft into front differential. - For protecting the oil seal.
 ST28399SA000	28399SA000	DRIVE SHAFT REMOVER	Used for removing the front drive shaft from the front differential.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST18675AA000	18675AA000	DIFFERENTIAL SIDE OIL SEAL INSTALLER	Used for installing the differential side retainer oil seal.
 ST28099PA090	28099PA090	OIL SEAL PROTECTOR	• Used for installing the rear drive shaft to the rear differential. • For protecting the oil seal.
 ST28099PA100	28099PA100	DRIVE SHAFT REMOVER	Used for removing the rear drive shaft from the rear differential.
 ST28099AC000	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.