

GENERAL DESCRIPTION

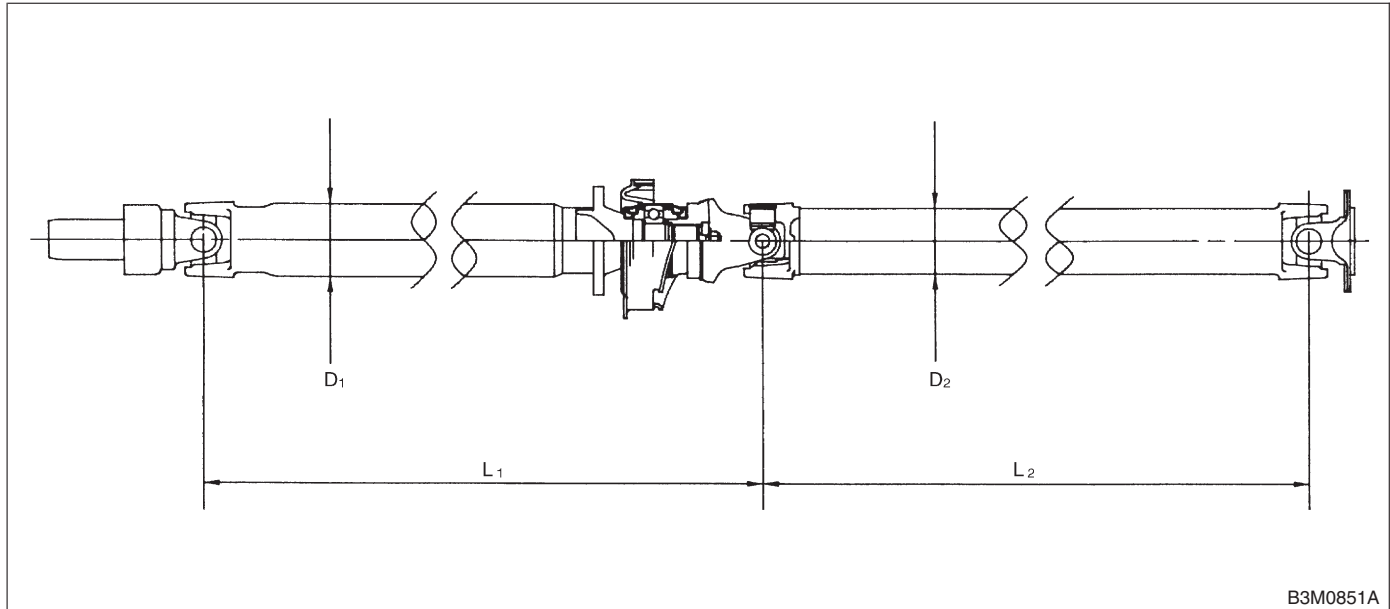
Drive Shaft System

1. General Description S301001

A: SPECIFICATIONS S301001E49

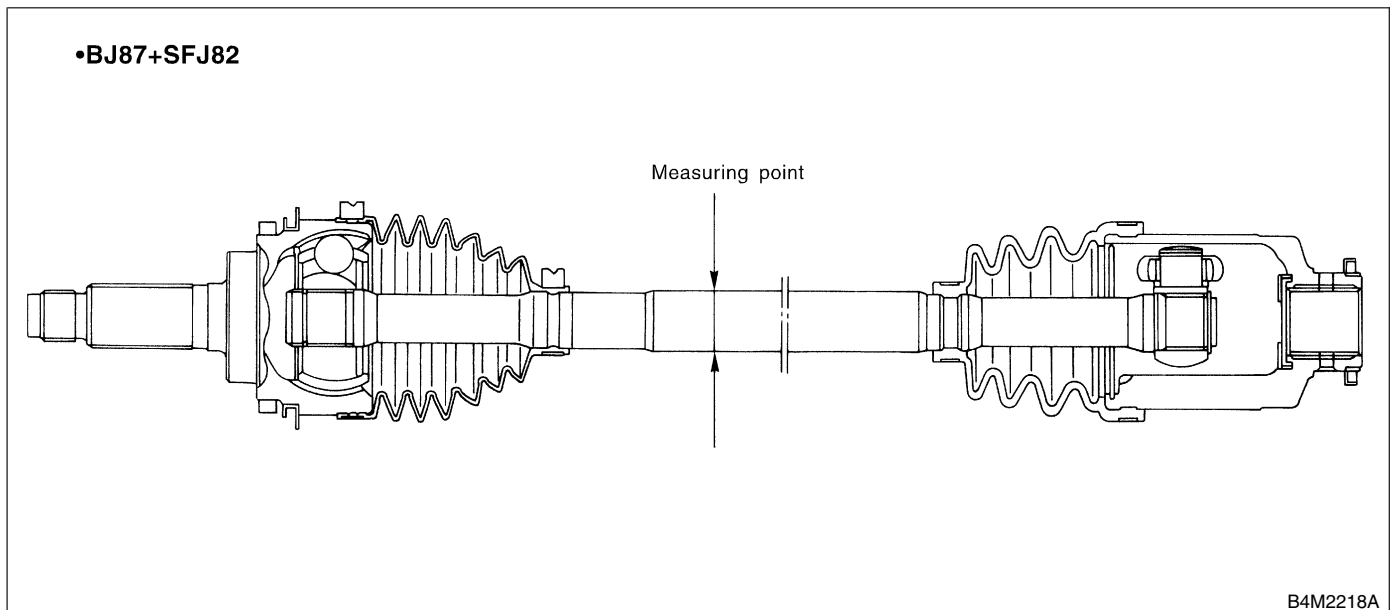
1. PROPELLER SHAFT S301001E4901

Front propeller shaft Joint-to-joint length: L_1 mm (in)	AT	584 (22.99)
	MT	643 (25.31)
Rear propeller shaft Joint-to-joint length: L_2 mm (in)		708 (27.87)
Outside dia. of tube mm (in)	D_1	63.5 (2.500)
	D_2	57.0 (2.244)



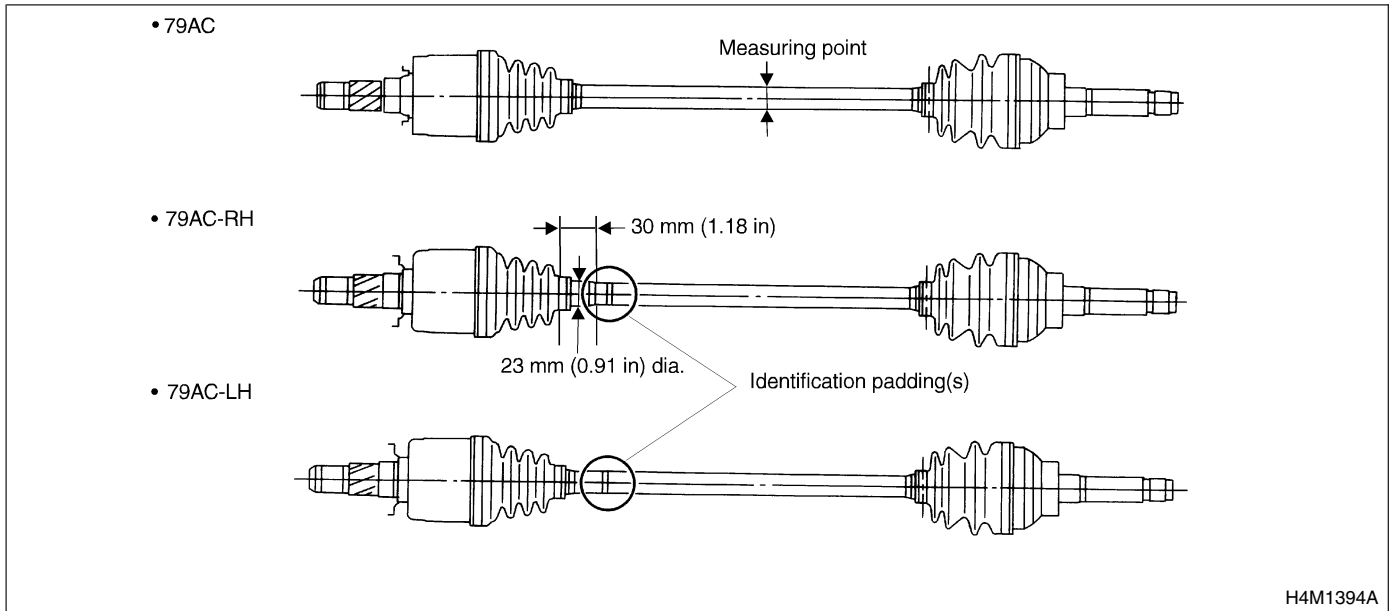
2. FRONT DRIVE SHAFT ASSEMBLY S301001E4902

Model	Type of drive shaft assembly	SHAFT
		Shaft diameter
All models	BJ87L+SFJ82	26 mm (1.02 in)



3. REAR DRIVE SHAFT ASSEMBLY S301001E4903

Type of axle shaft assembly	SHAFT	
	No. of identification paddings on shaft	Shaft diameter
79AC	None	23 mm (0.91 in)
79AC-RH	2 (Two)	
79AC-LH	1 (One)	



4. APPLICATION TABLE OF DRIVE SHAFT ASSEMBLY S301001E4904

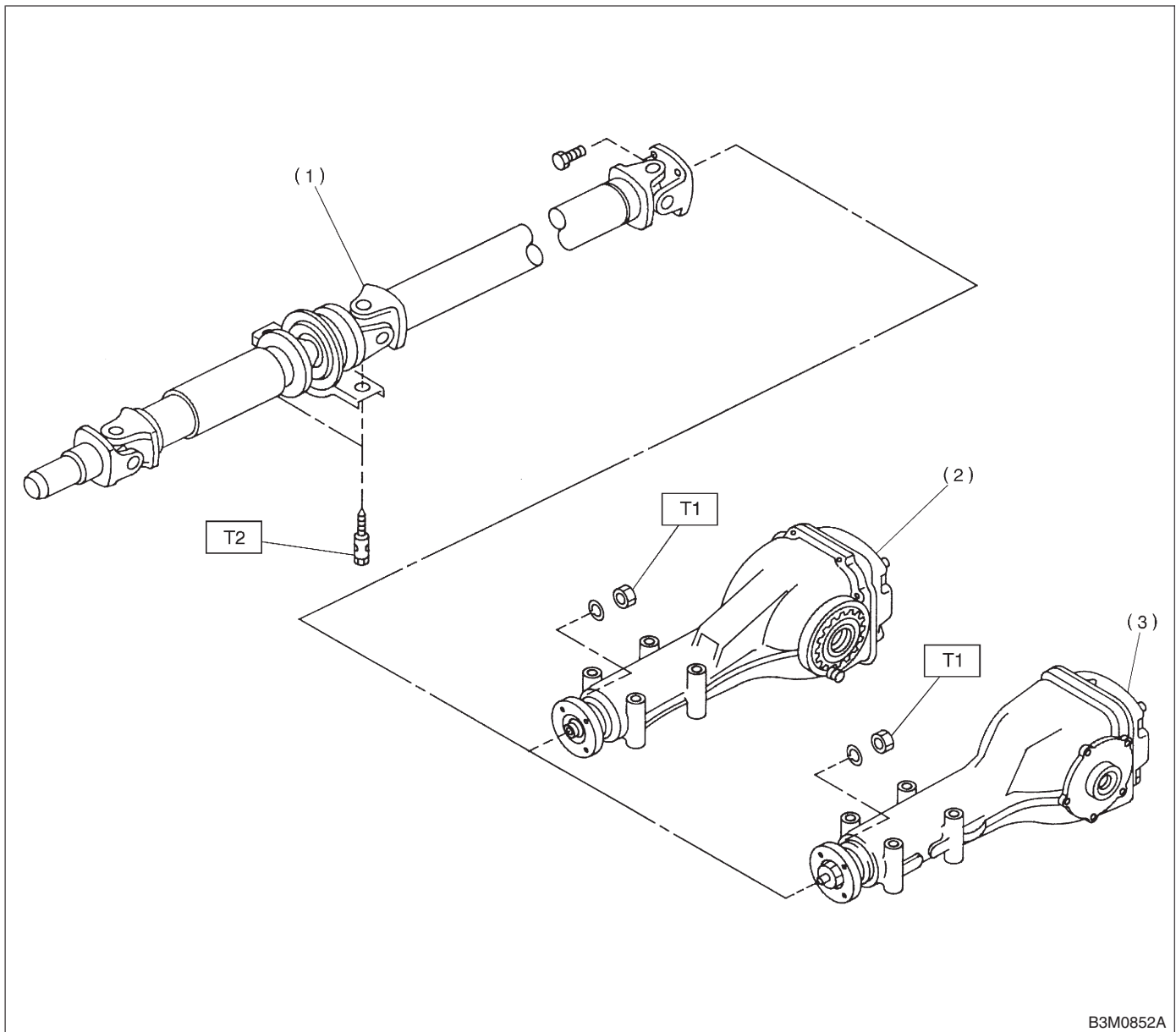
Power unit	Front drive shaft	Rear drive shaft	
		5MT	4AT
2200 cc	BJ87L + SFJ82	79AC-RH 79AC-LH	79AC
2500 cc	BJ87L + SFJ82	79AC-RH 79AC-LH	79AC-RH 79AC-LH

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B: COMPONENT S301001A05

1. PROPELLER SHAFT S301001A0501



B3M0852A

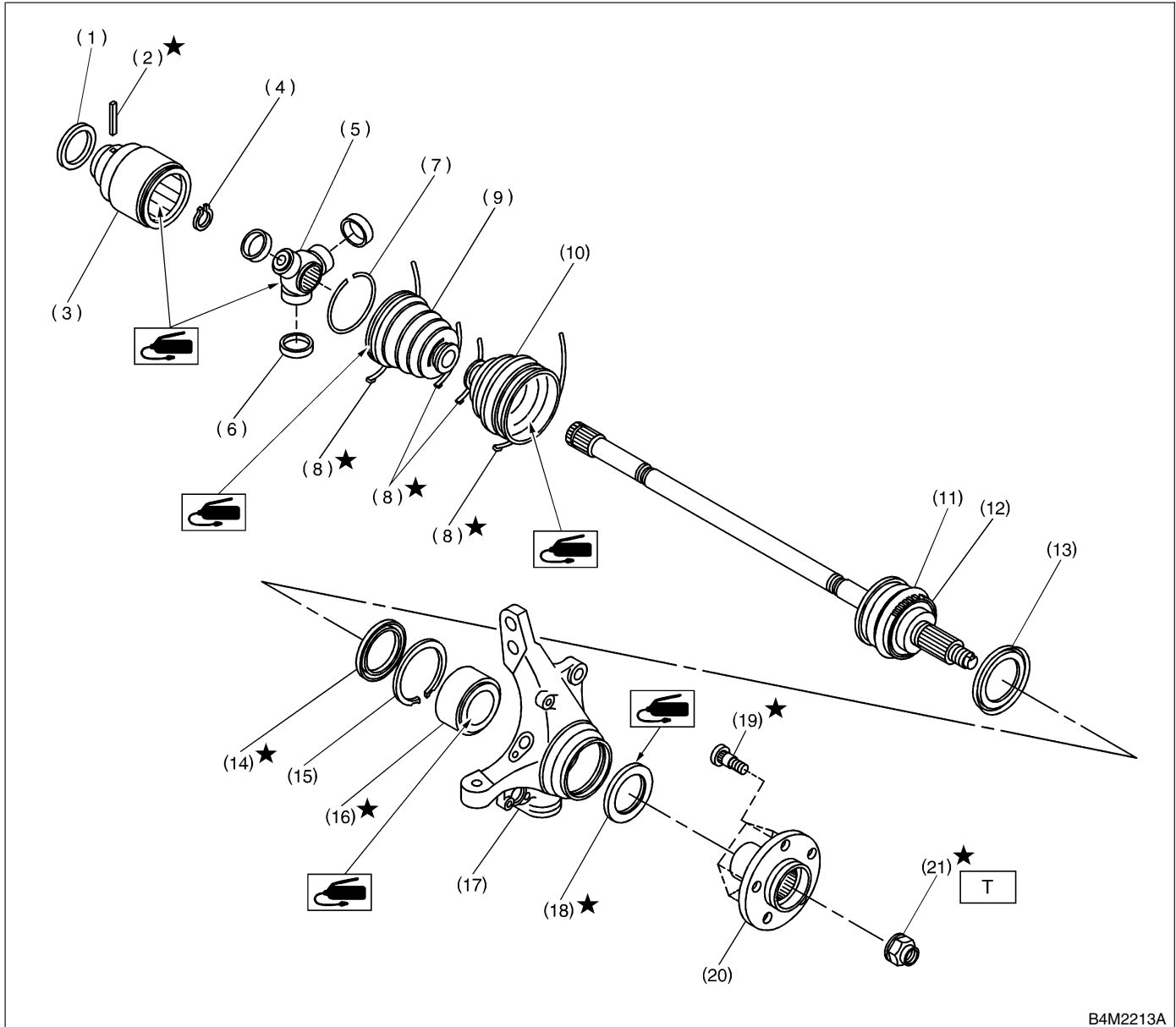
- (1) Propeller shaft
- (2) Rear differential (VA-type)
- (3) Rear differential (T-type)

Tightening torque: N·m (kgf·m, ft·lb)

T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

2. FRONT AXLE S301001A0502



B4M2213A

- (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 (BJ)
- (11) BJ ASSY
- (12) Tone wheel
- (13) Baffle plate
- (14) Oil seal (IN)
- (15) Snap ring
- (16) Bearing
- (17) Housing
- (18) Oil seal (OUT)

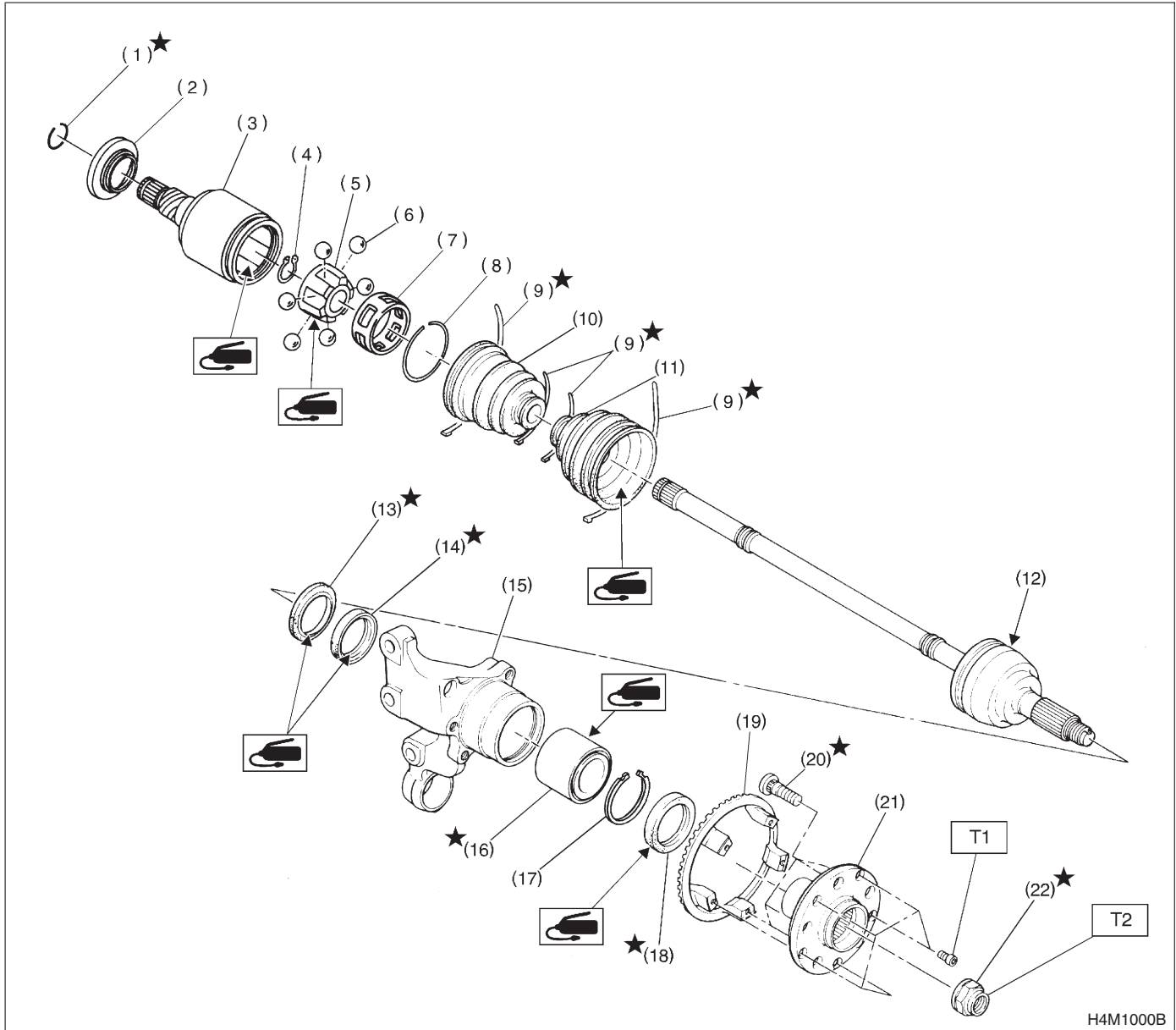
- (19) Hub bolt
- (20) Hub
- (21) Axle nut

Tightening torque: N·m (kgf·m, ft·lb)
T: 186 (19, 137)

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3. REAR AXLE S301001A0503



H4M1000B

- (1) Circlip (2200 cc AT model)
- (2) Baffle plate (DOJ)
- (3) Outer race (DOJ)
- (4) Snap ring
- (5) Inner race
- (6) Ball
- (7) Cage
- (8) Circlip
- (9) Boot band

- (10) Boot (DOJ)
- (11) Boot (BJ)
- (12) BJ ASSY
- (13) Oil seal (IN. No. 2)
- (14) Oil seal (IN. No. 3)
- (15) Housing
- (16) Bearing
- (17) Snap ring
- (18) Oil seal (OUT)

- (19) Tone wheel
- (20) Hub bolt
- (21) Hub
- (22) Axle nut

Tightening torque: N·m (kgf·m, ft·lb)

T1: 13 (1.3, 9.4)

T2: 186 (19, 137)

C: CAUTION S301001A03

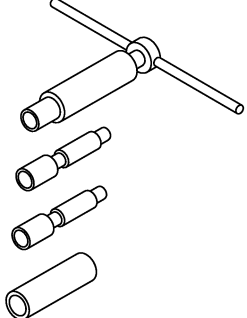
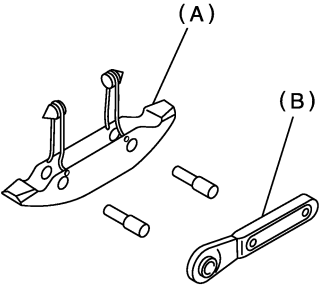
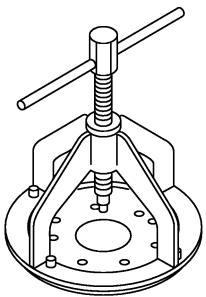
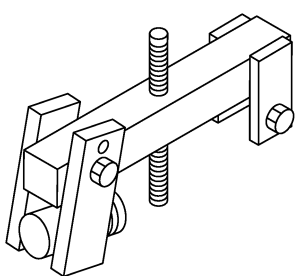
- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation 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 vice, place cushioning material such as wood blocks, aluminum plate, or shop cloth between the part and the vice.

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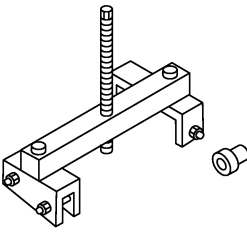
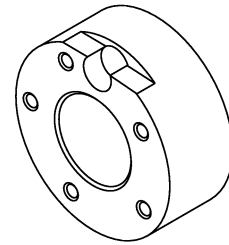
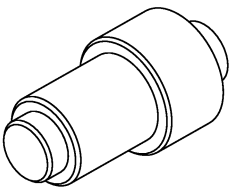
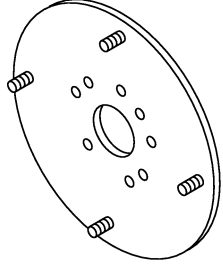
D: PREPARATION TOOL S301001A17

1. SPECIAL TOOL S301001A1703

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: right;">B4M2386</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;">B4M2387A</p>	925091000	BAND TIGHTENING TOOL	<ul style="list-style-type: none"> ● Used for tightening boot band. (A) Jig for band (B) Ratchet wrench
 <p style="text-align: right;">B4M2388</p>	926470000	AXLE SHAFT PULLER	Used for removing axle shaft.
 <p style="text-align: right;">B4M2389</p>	927060000	HUB REMOVER	<ul style="list-style-type: none"> ● Used for removing front hub. ● Used with HUB STAND (927080000).

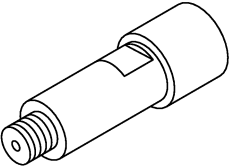
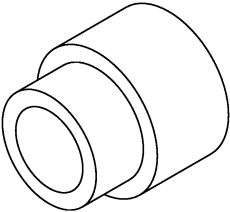
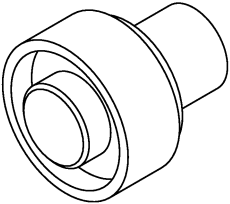
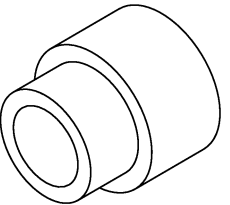
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">H5M0981</p>	927420000	HUB REMOVER	<ul style="list-style-type: none"> ● Used for removing rear hub. ● Used with HUB STAND (927080000).
 <p style="text-align: center;">B4M2390</p>	927080000	HUB STAND	Used for disassembling and assembling hub bolt in hub.
 <p style="text-align: center;">B4M2391</p>	927100000	BEARING PULLER	<ul style="list-style-type: none"> ● Used for disassembling and assembling front housing bearing. ● Used with HOUSING STAND (927400000).
 <p style="text-align: center;">B4M2392</p>	927140000	AXLE SHAFT PULLER PLATE	Same as plate 2 included in AXLE SHAFT PULLER (926470000).

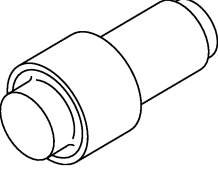
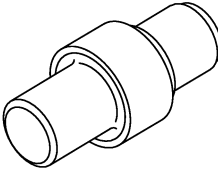
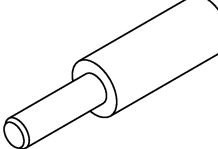
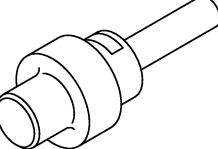
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">B4M2393</p>	927390000	ADAPTER	Used as an adapter for AXLE SHAFT INSTALLER (922431000).
 <p style="text-align: center;">B4M2394</p>	927400000	HOUSING STAND	<ul style="list-style-type: none"> ● Used for disassembling and assembling front housing bearing. ● Used with BEARING PULLER (927100000).
 <p style="text-align: center;">B4M2395</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 style="text-align: center;">H5M0982</p>	927430000	HOUSING STAND	<ul style="list-style-type: none"> ● Used for disassembling and assembling rear housing bearing. ● Used with BEARING PULLER (927440000).

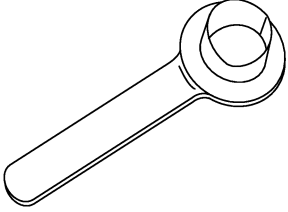
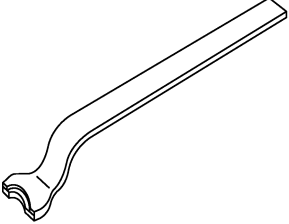
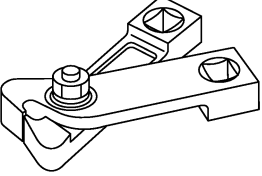
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>H5M0983</p>	927440000	BEARING REMOVER	<ul style="list-style-type: none"> ● Used for disassembling and assembling rear housing bearing. ● Used with HOUSING STAND (927430000).
 <p>H5M0984</p>	927460000	OIL SEAL INSTALLER	<ul style="list-style-type: none"> ● Used for installing outer bearing and sub bearing into housing. ● Used with HOUSING STAND (927430000).
 <p>B4M2399</p>	927120000	HUB INSTALLER	<ul style="list-style-type: none"> ● Used for installing hub. ● Used with HUB STAND (927080000).
 <p>B4M2400</p>	927450000	HUB INSTALLER	<ul style="list-style-type: none"> ● Used for pressing rear hub unit into housing assembly. ● Used with HUB STAND (927080000).

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 B4M2401	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> Used for installing rear drive shaft into rear differential. For potecting oil seal.
 B4M2402	28099PA100	DRIVE SHAFT REMOVER	Used for removing rear drive shaft from rear differential.
 B4M2403	28099AC000	BOOT BAND PLIERS	Used for tightening front BJ boot band.

2. GENERAL TOOL S301001A1704

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.