

General Description

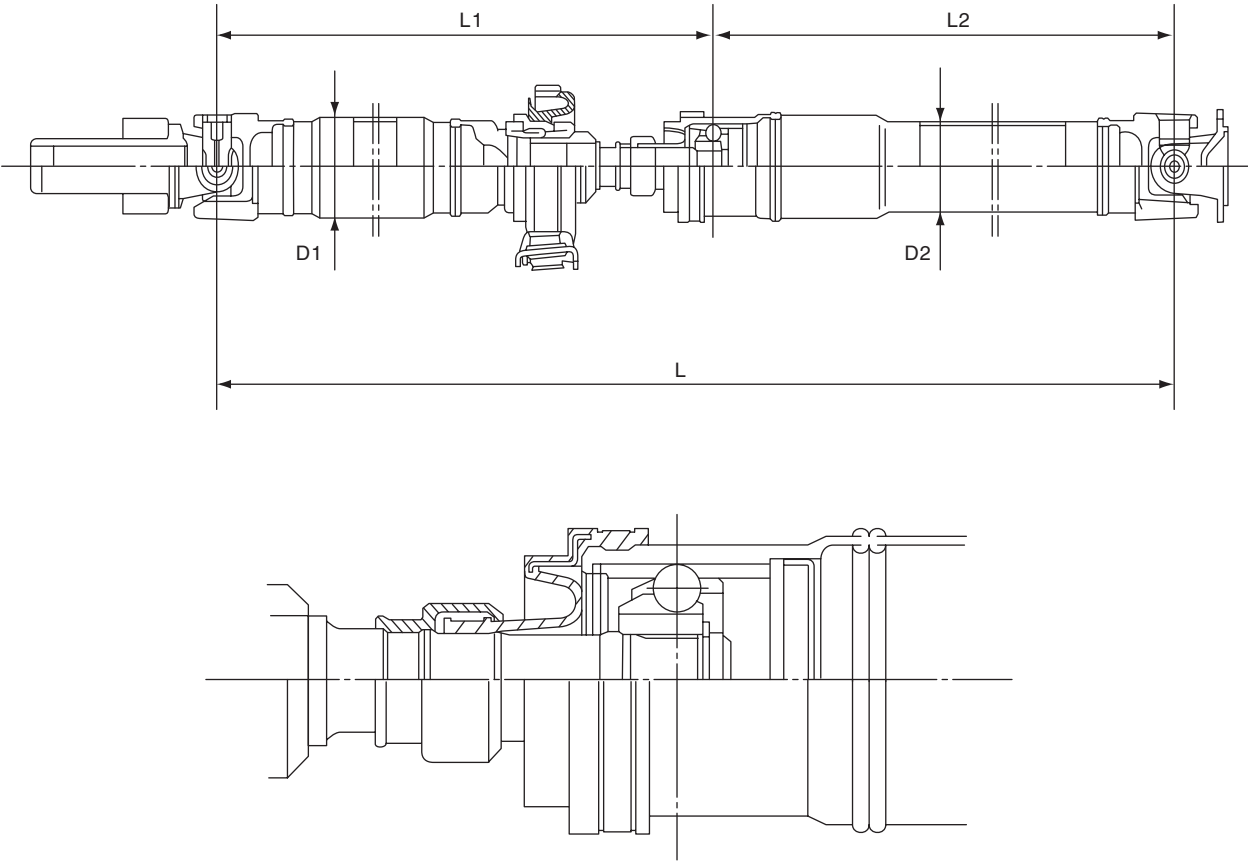
DRIVE SHAFT SYSTEM

1. General Description

A: SPECIFICATION

1. PROPELLER SHAFT

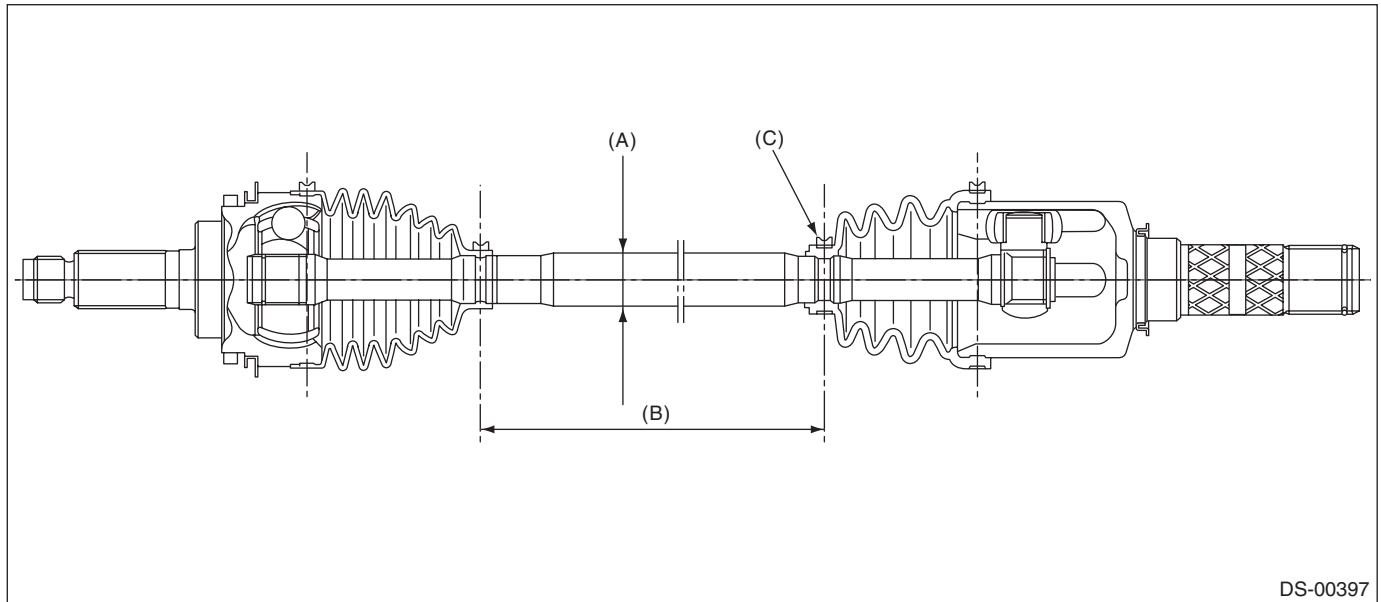
| Model | | AT | MT |
|---|---------|----------------|--------------|
| Propeller shaft type | | EDJ | |
| Propeller shaft length: L | mm (in) | 1292 (50.87) | 1352 (53.23) |
| Front propeller shaft joint-to-joint length: L ₁ | mm (in) | 608 (23.93) | 668 (26.30) |
| Rear propeller shaft joint-to-joint 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) |



DS-00396

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 | 323.9 (12.75) | 24.9 (0.98) |
| | Turbo MT | — | 324.2 (12.76) | 24.9 (0.98) |



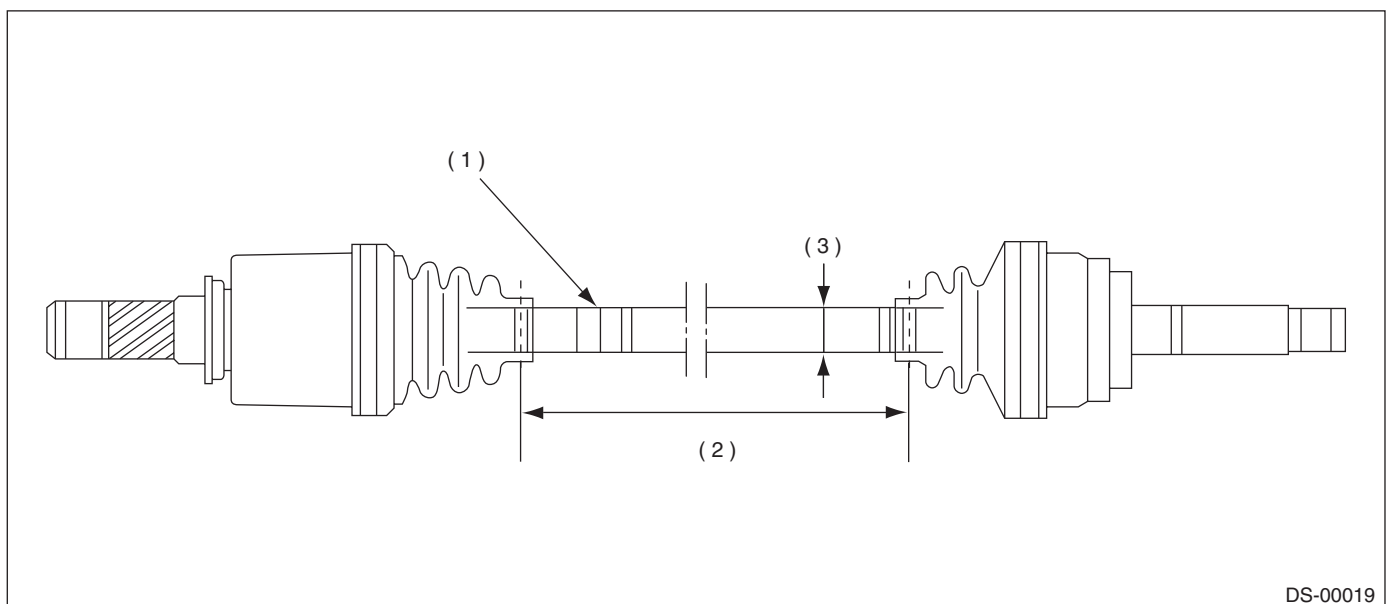
(A) ϕ D mm (in)

(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 | 1 | 367.4 (14.5) | 24 (0.9) |
| EBJ + DOJ LH | | 0 | 357.4 (14.1) | 24 (0.9) |



(1) Identification groove

(2) L1 mm (in)

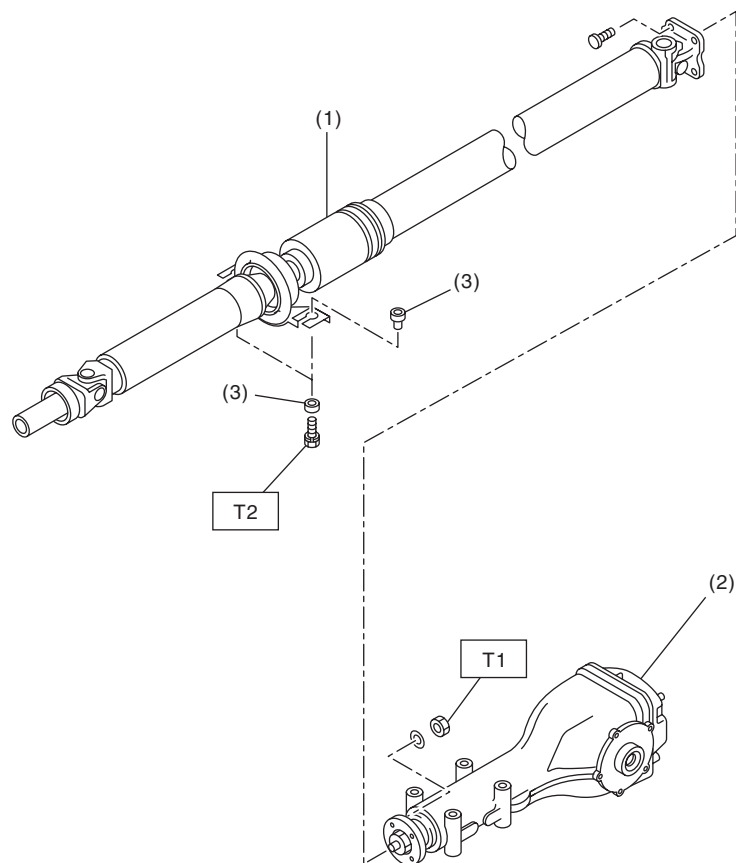
(3) ϕ D mm (in)

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B: COMPONENT

1. PROPELLER SHAFT



DS-00368

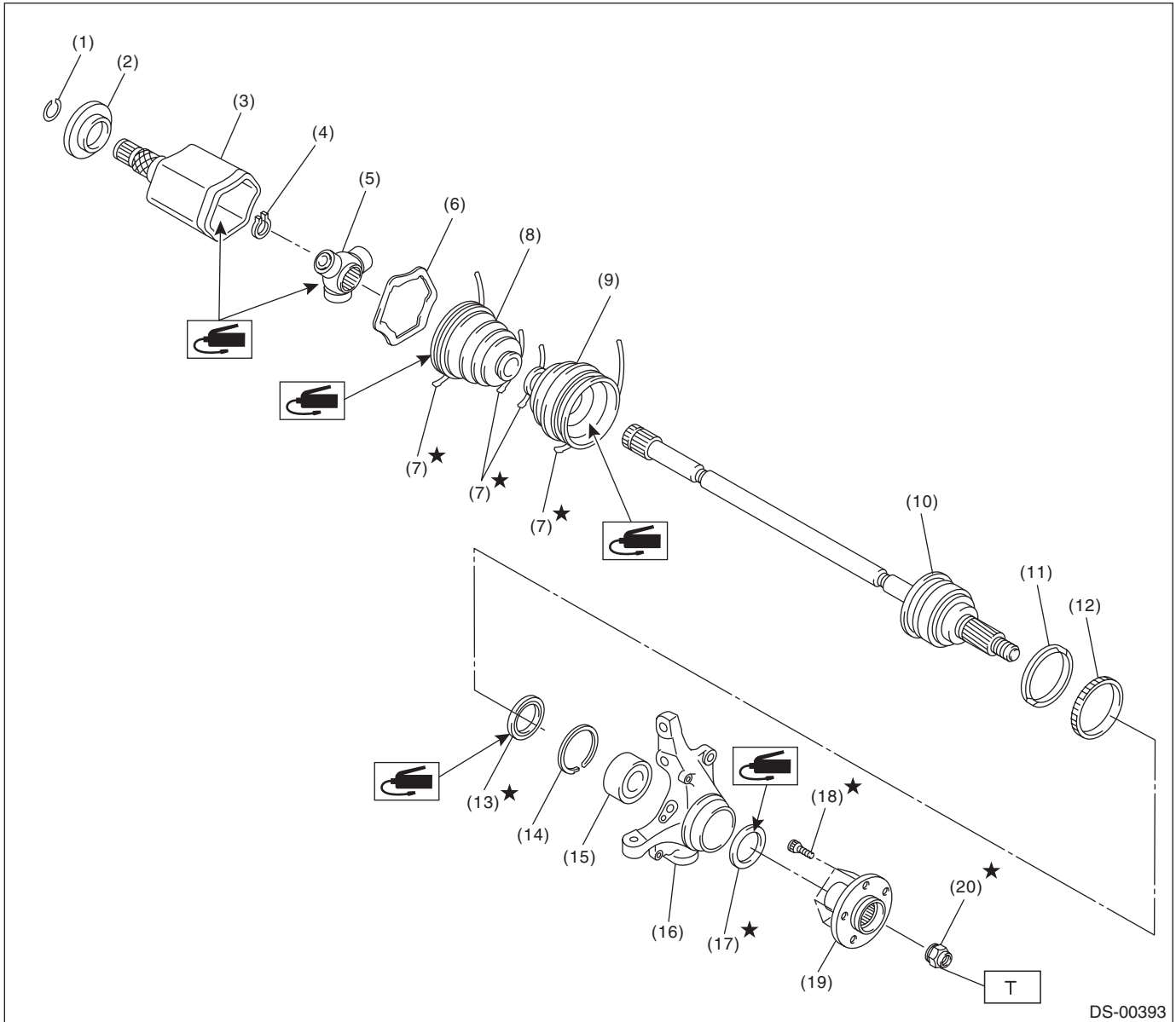
- (1) Propeller shaft
- (2) Rear differential
- (3) Bushing

Tightening torque: N·m (kgf-m, ft-lb)

T1: 31 (3.2, 23.1)

T2: 52 (5.3, 38.3)

2. FRONT AXLE



DS-00393

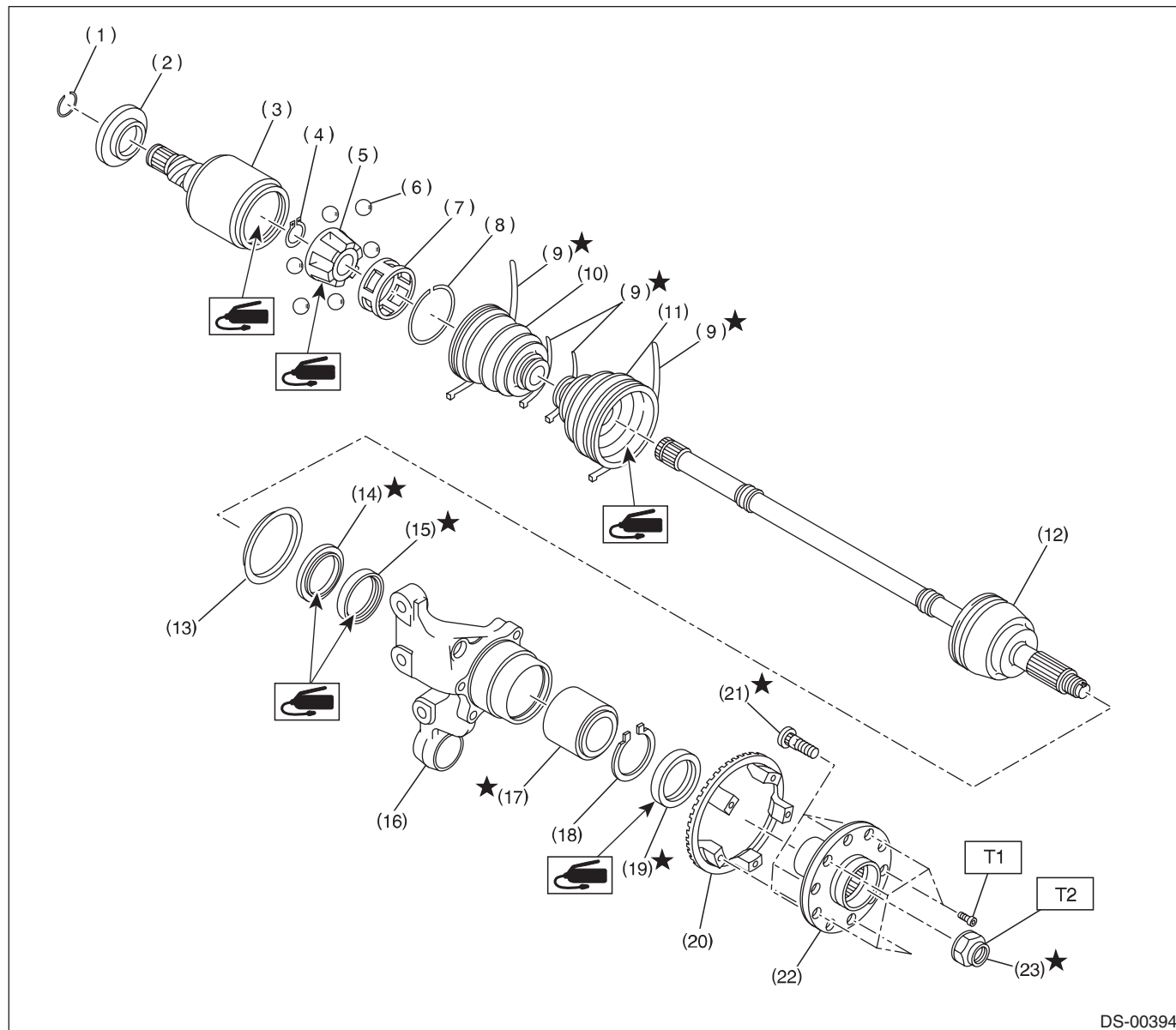
- | | | |
|-------------------------|---------------------|---------------------|
| (1) Circlip | (9) Boot (AC) | (17) Outer oil seal |
| (2) Baffle plate (AARi) | (10) AC ASSY | (18) Hub bolt |
| (3) Outer race (AARi) | (11) Baffle plate | (19) Hub |
| (4) Snap ring | (12) Tone wheel | (20) Axle nut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

DRIVE SHAFT SYSTEM

3. REAR AXLE



DS-00394

- | | | |
|------------------------|-----------------------|---------------------|
| (1) Circlip | (10) Boot (DOJ) | (19) Outer oil seal |
| (2) Baffle plate (DOJ) | (11) Boot (EBJ) | (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

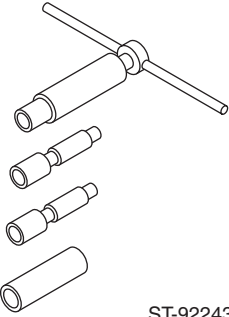
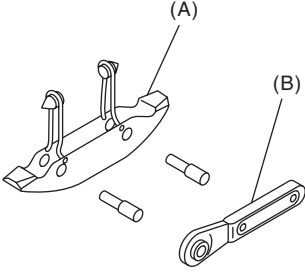
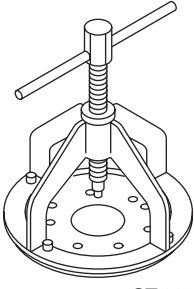
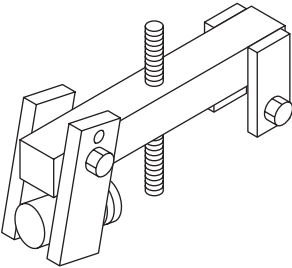
- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, 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.

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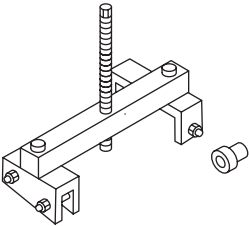
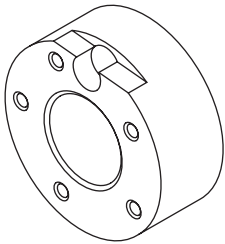
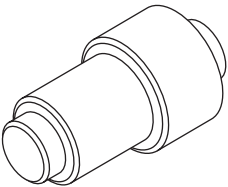
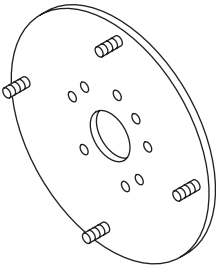
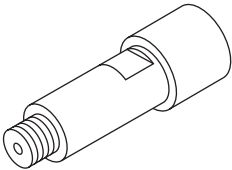
D: PREPARATION TOOL

1. SPECIAL TOOL

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

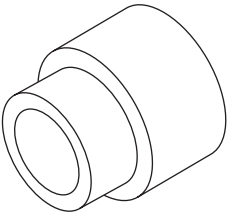
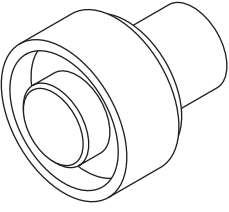
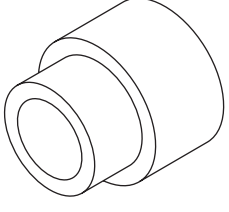
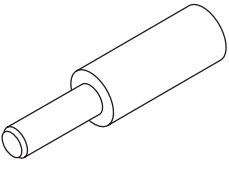
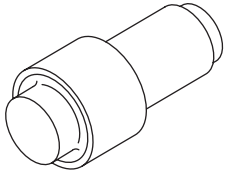
General Description

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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 together 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 the front housing bearing. Used together with HOUSING STAND (927400000). |
|  <p>ST-927140000</p> | 927140000 | AXLE SHAFT PULLER PLATE | Same as plate 2 included in AXLE SHAFT PULLER (926470000). |
|  <p>ST-927390000</p> | 927390000 | ADAPTER | Used as an adapter for AXLE SHAFT INSTALLER (922431000). |

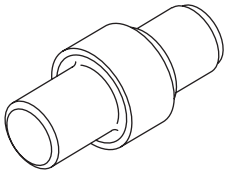
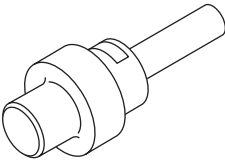
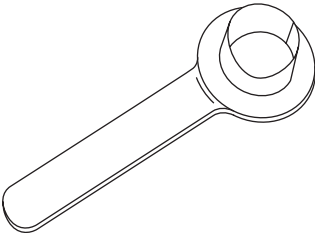
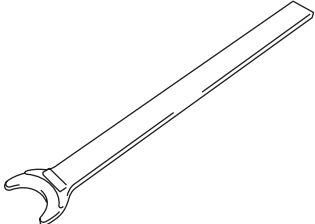
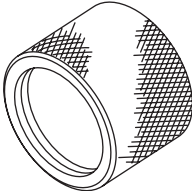
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| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|--------------------|--|
|  <p style="text-align: center;">ST-927400000</p> | 927400000 | HOUSING STAND | <ul style="list-style-type: none"> Used for disassembling and assembling 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. |
|  <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). |

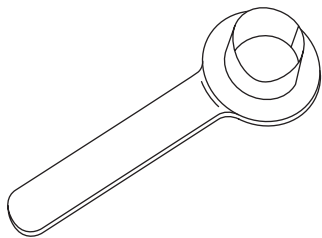
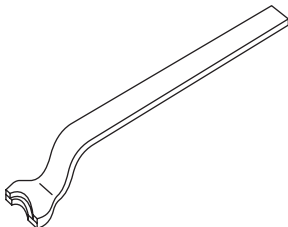
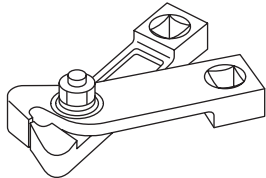
General Description

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| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|--------------------------------------|---|
|  ST-927460000 | 927460000 | OIL SEAL INSTALLER | <ul style="list-style-type: none"> Used for installing the outer oil seal. Used together with HOUSING STAND (927430000). |
|  ST-927450000 | 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). |
|  ST28399SA010 | 28399SA010 | OIL SEAL PROTECTOR | <ul style="list-style-type: none"> 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. |
|  ST18675AA000 | 18675AA000 | DIFFERENTIAL SIDE OIL SEAL INSTALLER | Used for installing the differential side retainer oil seal. |

General Description

DRIVE SHAFT SYSTEM

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|--|-------------|---------------------|--|
|  ST28099PA090 | 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. |
|  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. |