

# General Description

## REAR SUSPENSION

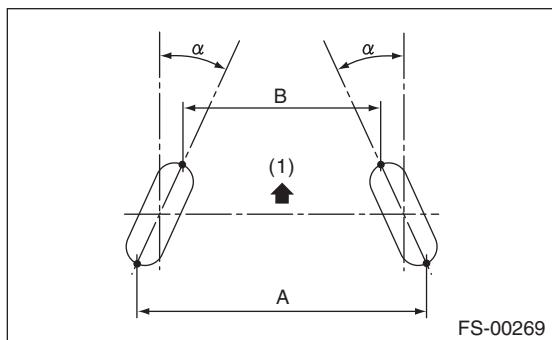
### 1. General Description

#### A: SPECIFICATION

Refer to "FS" section for rear suspension specifications. <Ref. to FS-2, SPECIFICATION, General Description.>

##### NOTE:

- Front and rear toe-in and front camber can be adjusted. Adjust if the toe-in or camber tolerance exceeds specifications.
- Other items indicated in the specifications are not equipped with adjustment mechanisms. If other items exceed specifications, check the suspension parts and connections for deformation. If defective, replace with new parts.



(1) Front

A – B = Positive: Toe-in, Negative: Toe-out

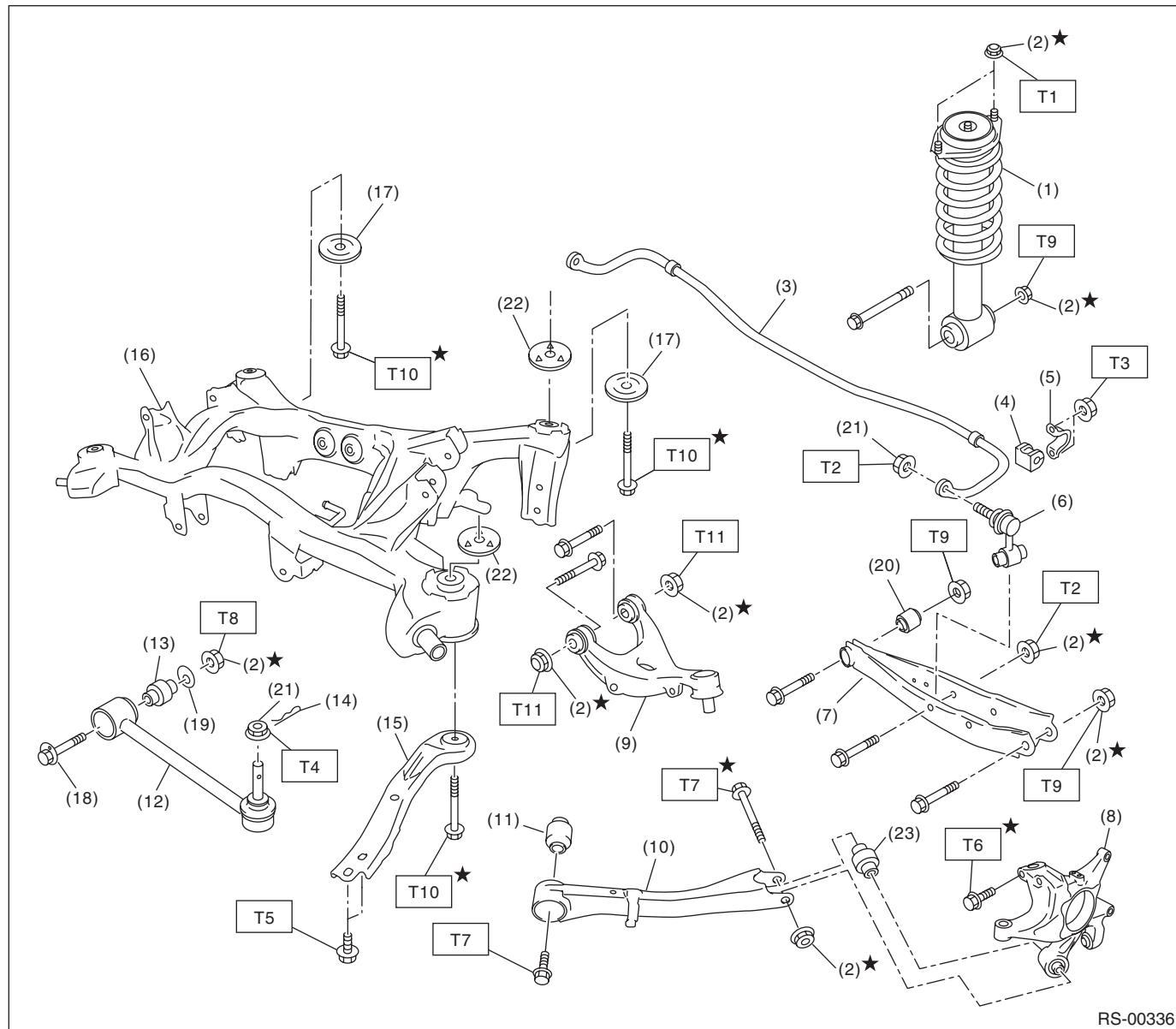
$\alpha$  = Individual toe angles

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## B: COMPONENT

## 1. REAR SUSPENSION



RS-00336

|      |                       |      |   |
|------|-----------------------|------|---|
| (1)  | Shock absorber        | (13) | Front lateral link bushing              |
| (2)  | Self-locking nut      | (14) | Snap pin                                |
| (3)  | Rear stabilizer       | (15) | Front sub frame support plate           |
| (4)  | Stabilizer bushing    | (16) | Rear sub frame                          |
| (5)  | Stabilizer clamp      | (17) | Rear sub frame stopper plate<br>(lower) |
| (6)  | Stabilizer link       | (18) | Adjusting bolt                          |
| (7)  | Rear lateral link     | (19) | Adjusting washer                        |
| (8)  | Rear housing          | (20) | Rear lateral link bushing               |
| (9)  | Upper arm             | (21) | Flange nut                              |
| (10) | Trailing link         | (22) | Rear sub frame stopper plate<br>(upper) |
| (11) | Trailing link bushing | (23) | Rear housing bushing                    |
| (12) | Front lateral link    |      |   |

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

T1: 30 (3.1, 22.1)

T2: 38 (3,9, 28)

T3: 40 (4.1, 29.5)

T4: 60 (6.1, 44.3)

**T5: 70 (7.1, 51.6)**

**T6: 80 (8.2, 59)**

T7: 90 (9.2, 66.4)

**T8: 100 (10.2, 73.**

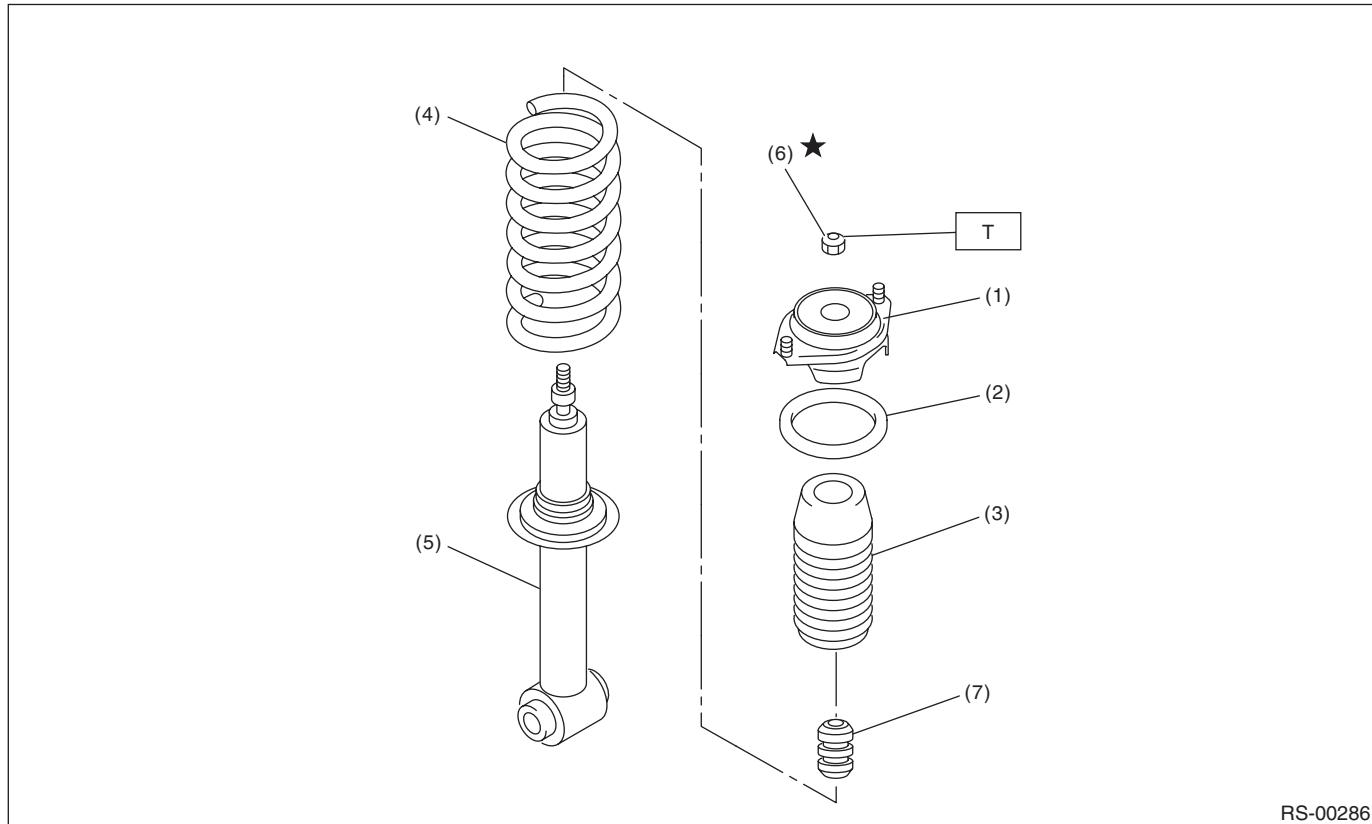
**T9: 120 (12.2, 88.**

**T10: 145 (14.8, 106.9)**

# General Description

## REAR SUSPENSION

### 2. SHOCK ABSORBER



|                        |                      |
|------------------------|----------------------|
| (1) Mount              | (5) Shock absorber   |
| (2) Upper rubber sheet | (6) Self-locking nut |
| (3) Dust cover         | (7) Helper           |
| (4) Coil spring        |                      |

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

***T: 25 (2.5, 18.4)***

### C: CAUTION

Please clearly understand and adhere to the following general precautions. They must be strictly followed to avoid minor or serious injury to the person doing the work or people in the area.

#### 1. CAUTIONS

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Before disposing of shock absorbers, be sure to bleed the gas out completely. Also, do not expose to flames or fire.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Use SUBARU genuine grease etc. or equivalent. Do not mix grease etc. of different grades or manufacturers.
- Before securing a part on a vise, place cushioning material such as wood blocks, aluminum plate, or cloth between the part and the vise.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.

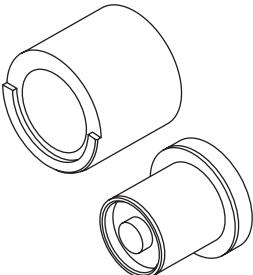
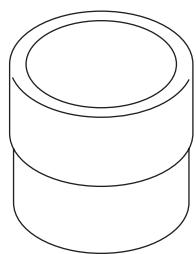
#### 2. OIL

When handling oil, adhere to the following to prevent unexpected accident.

- Prepare container and waste cloths when performing work which oil could possibly spill. If oil spills, wipe it off immediately to prevent from penetrating into floor or flowing outside, for environmental protection.
- Follow all government regulations concerning disposal of refuse when disposing.

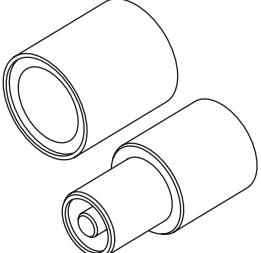
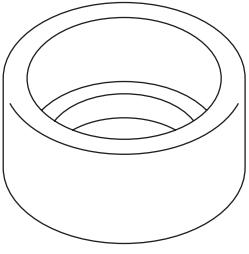
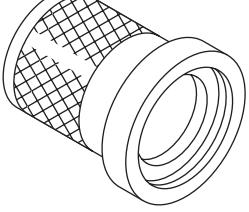
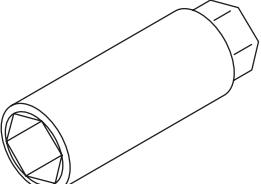
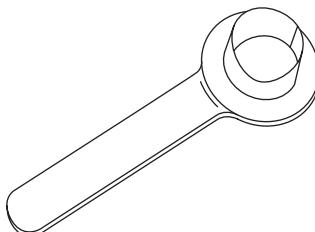
### D: PREPARATION TOOL

#### 1. SPECIAL TOOL

| ILLUSTRATION  | TOOL NUMBER | DESCRIPTION         | REMARKS  |
|---|-------------|---------------------|--|
| <br>ST20099AE000 | 20099AE000  | INSTALLER & REMOVER | Used for replacing the front lateral link bushing. |
| <br>ST-499755602 | 499755602   | PRESS               | Used for replacing the rear trailing link bushing. |

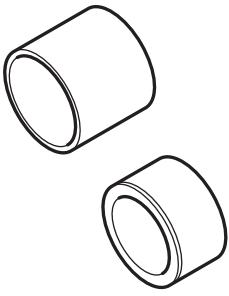
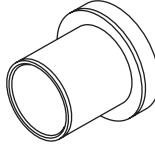
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| ILLUSTRATION  | TOOL NUMBER | DESCRIPTION         | REMARKS  |
|---|-------------|---------------------|--|
| <br>ST20099AE010   | 20099AE010  | INSTALLER & REMOVER | Used for replacing the rear lateral link bushing.  |
| <br>ST20299AG010   | 20299AG010  | BASE                | Used for replacing the rear trailing link bushing.   |
| <br>ST-899874100  | 899874100   | INSTALLER           | Used for replacing the rear trailing link bushing.   |
| <br>ST20399FG000 | 20399FG000  | STRUT MOUNT SOCKET  | <ul style="list-style-type: none"> <li>Used for removing and installing shock mount.</li> <li>Used for checking torque of shock mount center nut.</li> </ul> |
| <br>ST28099PA090 | 28099PA090  | OIL SEAL PROTECTOR  | <ul style="list-style-type: none"> <li>Used for installing the rear drive shaft to the rear differential.</li> <li>For oil seal protection</li> </ul>        |

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| ILLUSTRATION  | TOOL NUMBER                | DESCRIPTION         | REMARKS  |
|---|----------------------------|---------------------|--|
|  | 20099PA010<br>ST20099PA010 | INSTALLER & REMOVER | <ul style="list-style-type: none"><li>Used for replacing the bushing of the rear housing.</li><li>Used together with BUSHING REMOVER (20099FG000).</li></ul>         |
|  | 20099FG000<br>ST20099FG000 | BUSHING REMOVER     | <ul style="list-style-type: none"><li>Used for replacing the bushing of the rear housing.</li><li>Used together with INSTALLER &amp; REMOVER (20099PA010).</li></ul> |

## 2. GENERAL TOOL

| TOOL NAME              | REMARKS   |
|------------------------|---|
| Alignment tester       | Used for measuring wheel alignment.                   |
| Toe-in gauge           | Used for toe-in measurement.                          |
| Jack                   | Used for removing and installing suspension.          |
| Bearing puller         | Used for removing bushings.                           |
| Coil spring compressor | Used for disassembling and assembling shock absorber. |