

# GENERAL DESCRIPTION

## REAR SUSPENSION

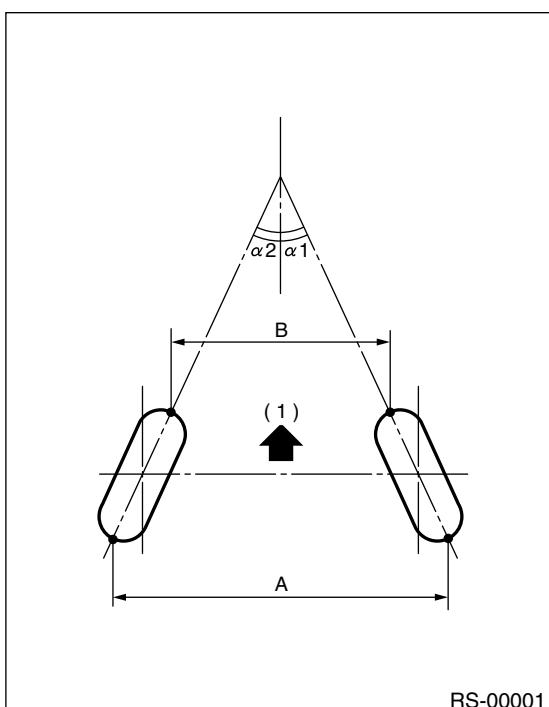
### 1. General Description

#### A: SPECIFICATIONS

Refer to "General Description" of FS section about value of wheel alignment. <Ref. to FS-2, General Description.>

##### NOTE:

- Front and rear toe-in and front camber can be adjusted. If toe-in or camber tolerance exceeds specifications, adjust toe-in and camber to the adjustment standard value.
- The other items indicated in the specification table cannot be adjusted. If the other items exceed specifications, check suspension parts and connections for deformities; replace with new ones as required.



(1) Front

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

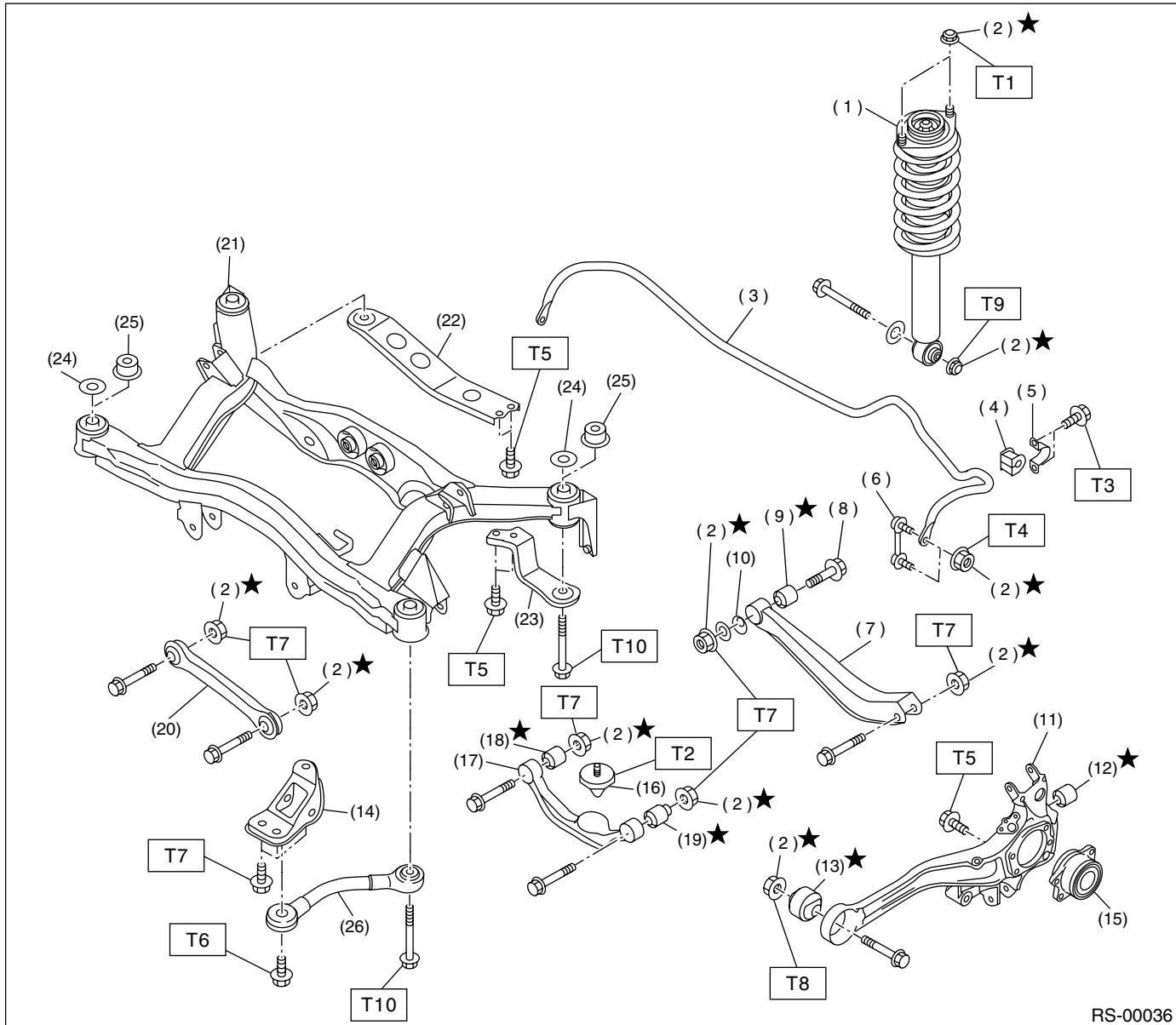
$\alpha_1, \alpha_2$ : Each toe-in angle

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## B: COMPONENT

### 1. REAR SUSPENSION



RS-00036

- (1) Shock absorber
- (2) Self-locking nut
- (3) Stabilizer
- (4) Stabilizer bushing
- (5) Clamp
- (6) Stabilizer link
- (7) Link rear
- (8) Adjusting bolt
- (9) Link rear bushing
- (10) Adjusting washer
- (11) Rear arm
- (12) Rear arm rear bushing
- (13) Rear arm front bushing
- (14) Rear arm bracket
- (15) Hub bearing unit
- (16) Helper
- (17) Link upper
- (18) Link upper bushing (Inside)
- (19) Link upper bushing (Outside)
- (20) Link front
- (21) Rear sub frame
- (22) Support sub frame (RH)
- (23) Support sub frame (LH)
- (24) Stopper upper (Except OUTBACK model)
- (25) Stopper upper (OUTBACK MODEL)
- (26) Support sub frame front

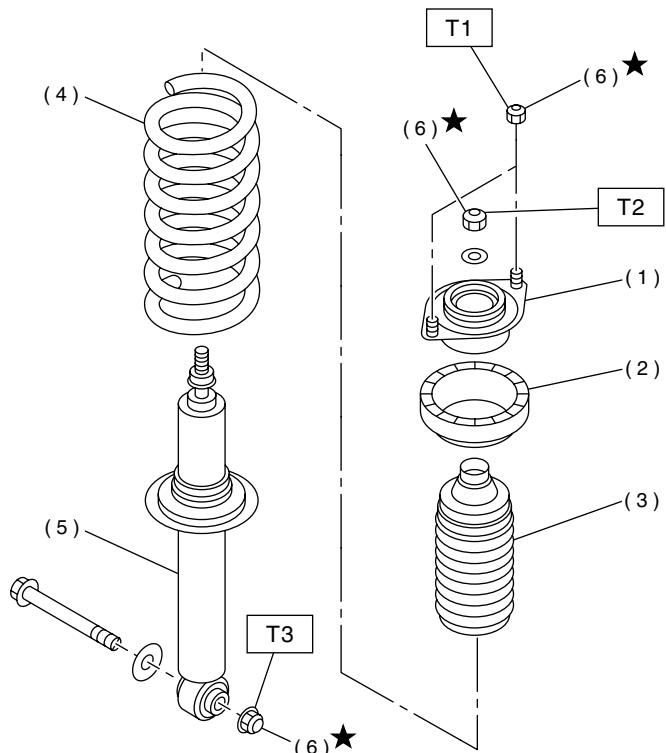
#### Tightening torque: N·m (kgf·m, ft·lb)

- T1: 30 (3.1, 22.4)
- T2: 32 (3.3, 24)
- T3: 40 (4.1, 30)
- T4: 44 (4.5, 32.5)
- T5: 65 (6.6, 48)
- T6: 80 (8.2, 59)
- T7: 120 (12.2, 88)
- T8: 150 (15.3, 111)
- T9: 160 (16.3, 118)
- T10: 175 (17.8, 129)

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### 2. SHOCK ABSORBER



RS-00037

(1) Mount	(4) Coil spring
(2) Rubber seat upper	(5) Shock absorber
(3) Dust cover	(6) Self-locking nut

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

***T1: 30 (3.1, 22.4)***

***T2: 35 (3.6, 26)***

***T3: 160 (16.3, 118)***

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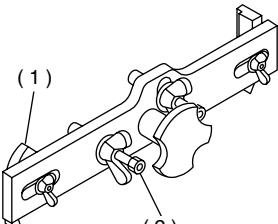
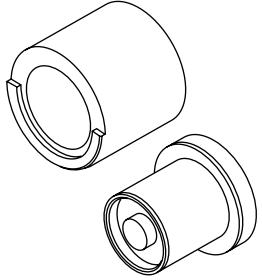
### REAR SUSPENSION

#### C: CAUTION

- 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.
- 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 vise, place cushioning material such as wood blocks, aluminum plate, or shop cloth between the part and the vise.
- Before disposing shock absorbers, be sure to bleed gas completely. Also, do not throw away in fire.

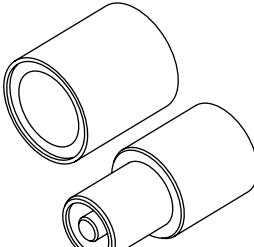
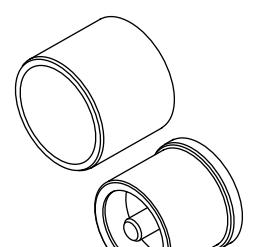
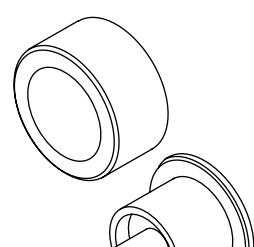
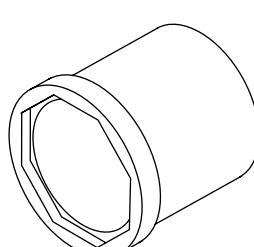
#### D: PREPARATION TOOL

##### 1. SPECIAL TOOLS

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927380002	927380002	ADAPTER	Used as an adapter for camber & caster gauge when measuring camber and caster. (1) 28199AC000 PLATE (2) 28199AC010 BOLT
 ST20099AE000	20099AE000	INSTALLER & REMOVER	Used for replacing link rear bushing.

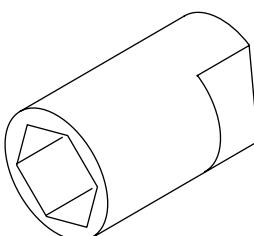
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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST20099AE010	20099AE010	INSTALLER & REMOVER	Used for replacing link upper bushing.
 ST20099AE020	20099AE020	INSTALLER & REMOVER SET	Used for replacing rear arm front bushing.
 ST20099AE040	20099AE040	INSTALLER & REMOVER SET	Used for replacing rear arm rear bushing.
 ST20099AE030	20099AE030	HELPER SOCKET WRENCH	Used for replacing helper.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927760000	927760000	STRUT MOUNT SOCKET	Used for disassembling and assembling strut and shock mount.

## 2. GENERAL PURPOSE TOOLS

TOOL NAME	REMARKS
Alignment gauge	Used for wheel alignment measurement.
Turning radius gauge	Used for wheel alignment measurement.
Toe-in gauge	Used for toe-in measurement.
Transmission jack	Used for suspension assembly/disassembly.
Bearing puller	Used for removing bushings.