

# GENERAL DESCRIPTION

Rear Suspension

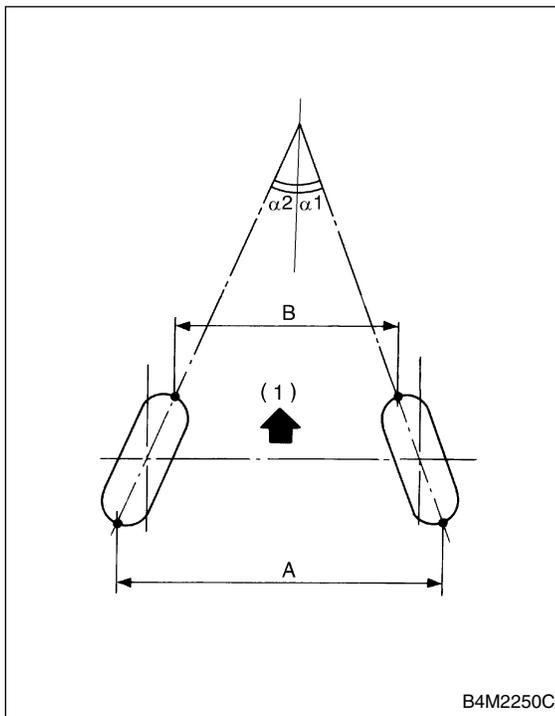
## 1. General Description S201001

### A: SPECIFICATIONS S201001E49

Item	Sedan	Wagon	OUTBACK
Camber (tolerance: $\pm 0^\circ 45'$ )	$-0^\circ 30'$	$-0^\circ 20'$	$-0^\circ 10'$
Toe-in	$0 \pm 3$ mm ( $0 \pm 0.12$ in) Each toe-in angle: $\pm 0^\circ 15'$		
Wheel arch height [tolerance: $+^{12}/_{-24}$ mm ( $+^{0.47}/_{-0.94}$ in)]	371 mm (14.61 in)	381 mm (15.00 in)	421 mm (16.57 in)
Thrust angle	$0^\circ \pm 30'$		
Diameter of stabilizer	14 mm (0.55 in)		

#### NOTE:

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



(1) Front

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

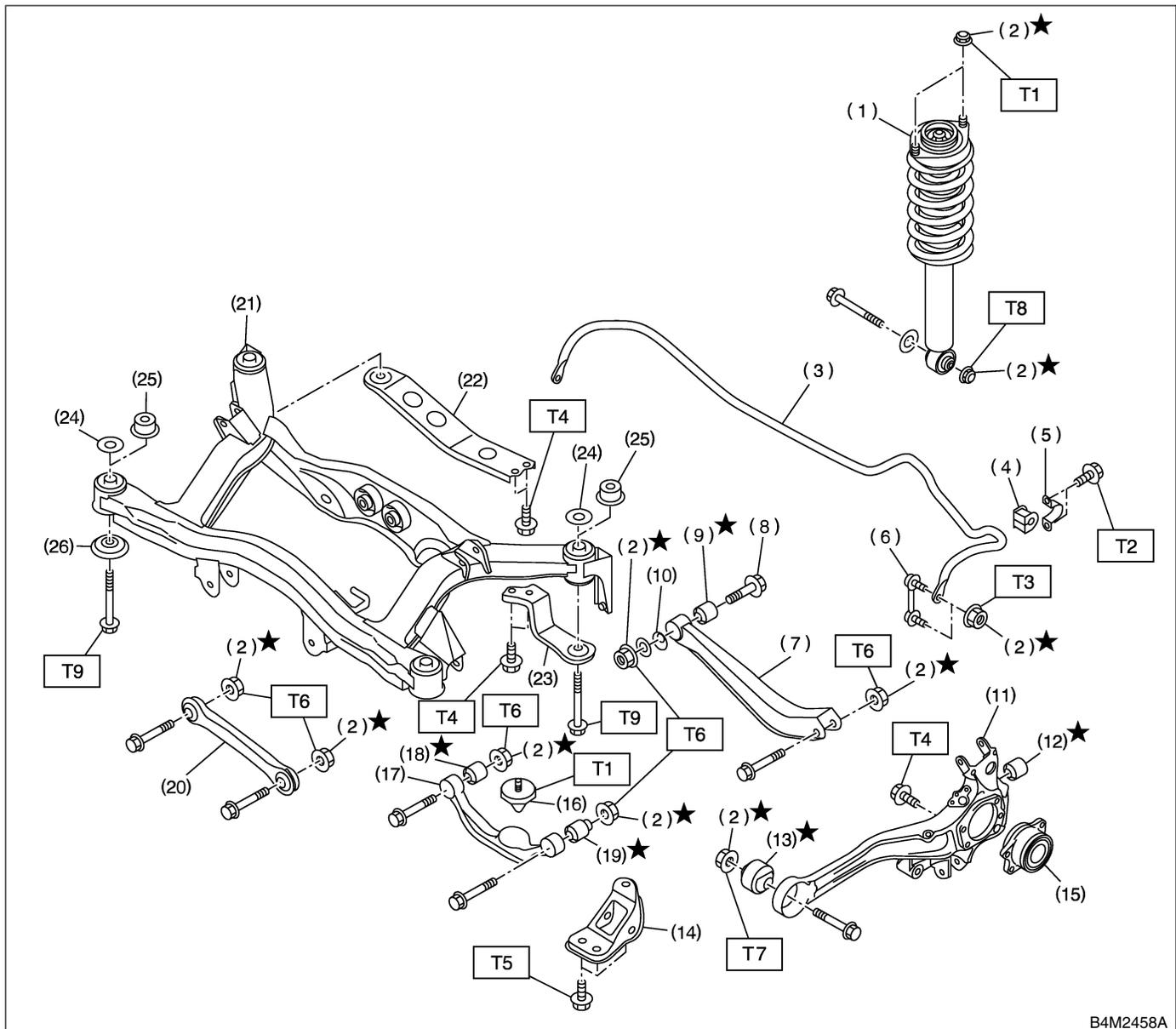
$\alpha 1, \alpha 2$ : Each toe-in angle

### B: COMPONENT

S201001A05

### 1. REAR SUSPENSION

S201001A0501



B4M2458A

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

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

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

**T2: 40 (4.1, 30)**

**T3: 44 (4.5, 32.5)**

**T4: 65 (6.6, 48)**

**T5: 110 (11.2, 81)**

**T6: 120 (12.2, 88)**

**T7: 150 (15.3, 111)**

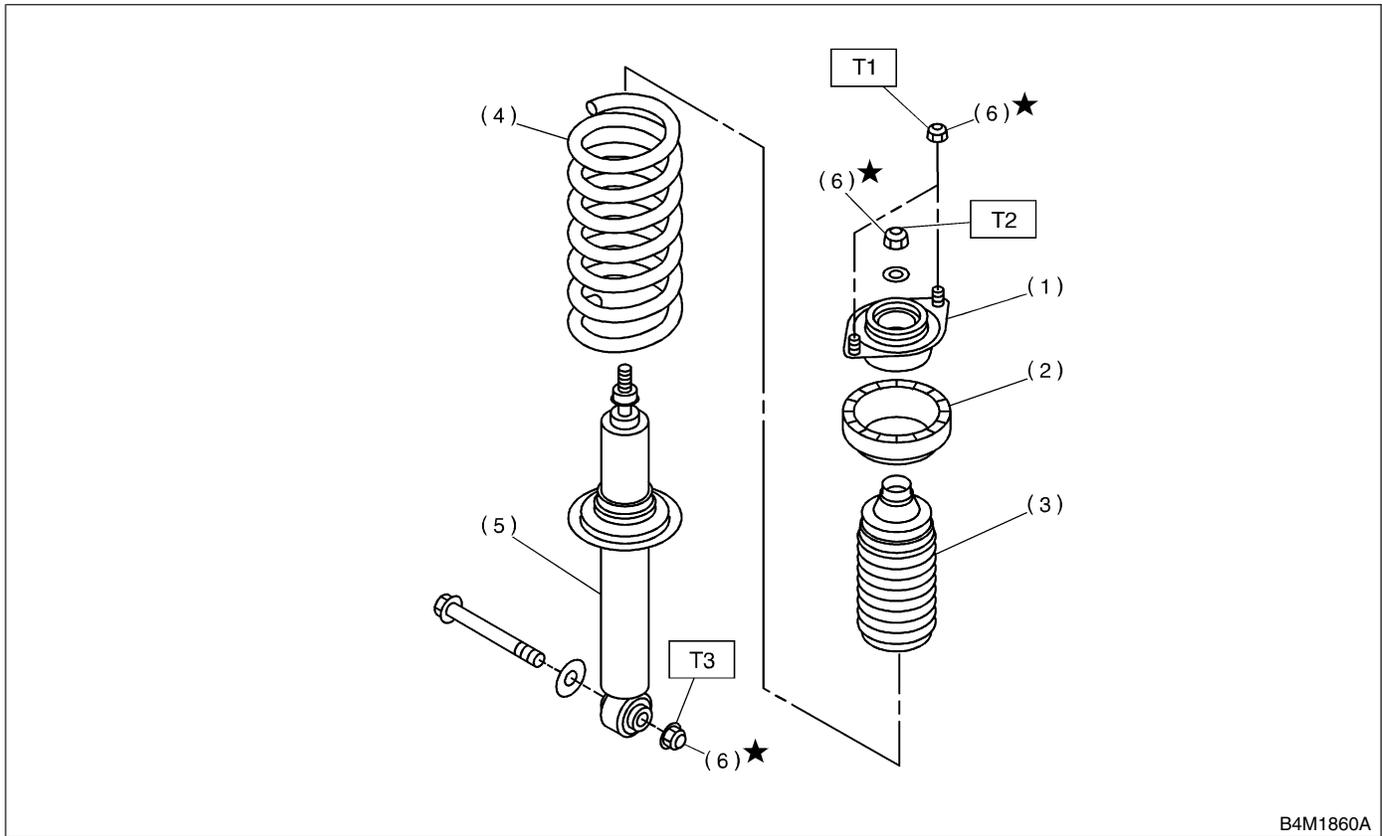
**T8: 160 (16.3, 118)**

**T9: 176 (17.9, 129)**

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## 2. SHOCK ABSORBER S201001A0502



- (1) Mount
- (2) Rubber seat upper
- (3) Dust cover
- (4) Coil spring
- (5) Shock absorber
- (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)**

## **C: CAUTION** S201001A03

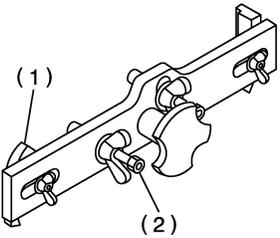
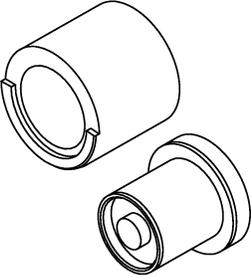
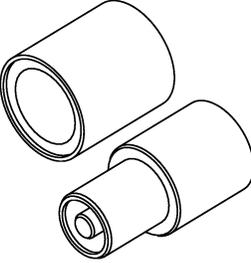
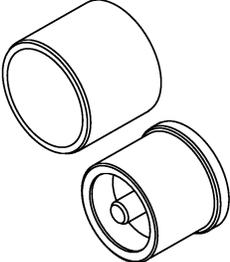
- Wear working clothing, including a cap, protective goggles, and protective shoes during operation.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust or dirt.
- Before removal, installation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

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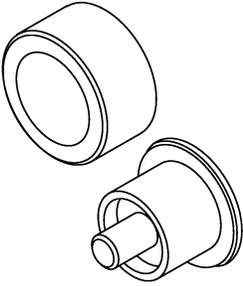
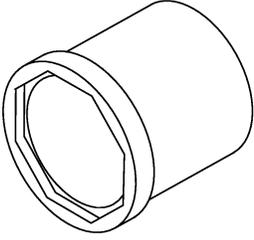
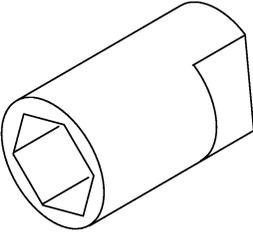
## D: PREPARATION TOOL S201001A17

### 1. SPECIAL TOOLS S201001A1701

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">B4M2378A</p>	927380002	ADAPTER	Used as an adapter for camber & caster gauge when measuring camber and caster. (1) 28199AC000 PLATE (2) 28199AC010 BOLT
 <p style="text-align: center;">B4M2379</p>	20099AE000	INSTALLER & REMOVER	Used for replacing link rear bushing.
 <p style="text-align: center;">B4M2380</p>	20099AE010	INSTALLER & REMOVER	Used for replacing link upper bushing.
 <p style="text-align: center;">B4M2381</p>	20099AE020	INSTALLER & REMOVER SET	Used for replacing rear arm front bushing.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">B4M2382</p>	20099AE040	INSTALLER & REMOVER SET	Used for replacing rear arm rear bushing.
 <p style="text-align: center;">B4M2383</p>	20099AE030	HELPER SOCKET WRENCH	Used for replacing helper.
 <p style="text-align: center;">B4M2384</p>	927760000	STRUT MOUNT SOCKET	Used for disassembling and assembling strut and shock mount.

## 2. GENERAL PURPOSE TOOLS S201001A1702

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.