

General Description

REAR SUSPENSION

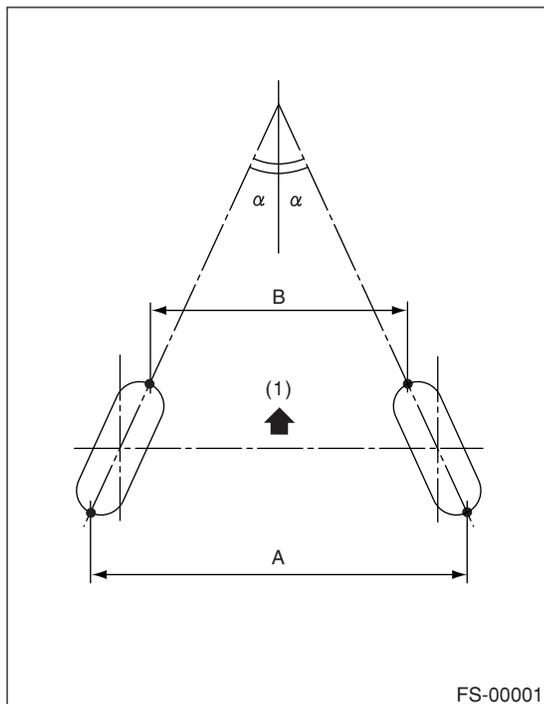
1. General Description

A: SPECIFICATION

Model	Sedan			Wagon		
	2.5 i	2.5 GT	OUTBACK	2.5 i	2.5 GT	OUTBACK
Wheel arch height [Tolerance: $+12\text{ mm}$ -24 mm mm (in) (+0.47 in -0.94 in)]	365 (14.4)			375 (14.8)		438 (17.2)
Camber (Tolerance: $\pm 0^{\circ}45'$ Differences between RH and LH: $45'$ or less)	$-0^{\circ}40'$			$-0^{\circ}30'$		$0^{\circ}00'$
Toe-in mm (in)	0 \pm 3 (0 \pm 0.12) Toe angle (sum of both wheels): $0^{\circ}\pm 0^{\circ}15'$					
Thrust angle (tolerance: $\pm 0^{\circ}30'$)	0 $^{\circ}$					
Diameter of stabilizer mm (in)	15 (0.59)	16 (0.63)	15 (0.59)	15 (0.59)	16 (0.63)	15 (0.59)

NOTE:

- Front and rear toe-ins and front camber can be adjusted. If the toe-in or camber tolerance exceeds specifications, adjust it.
- Other items indicated in the specification table cannot be adjusted. If other items exceed specifications, check suspension parts and connections for deformation, and replace with new ones as required.

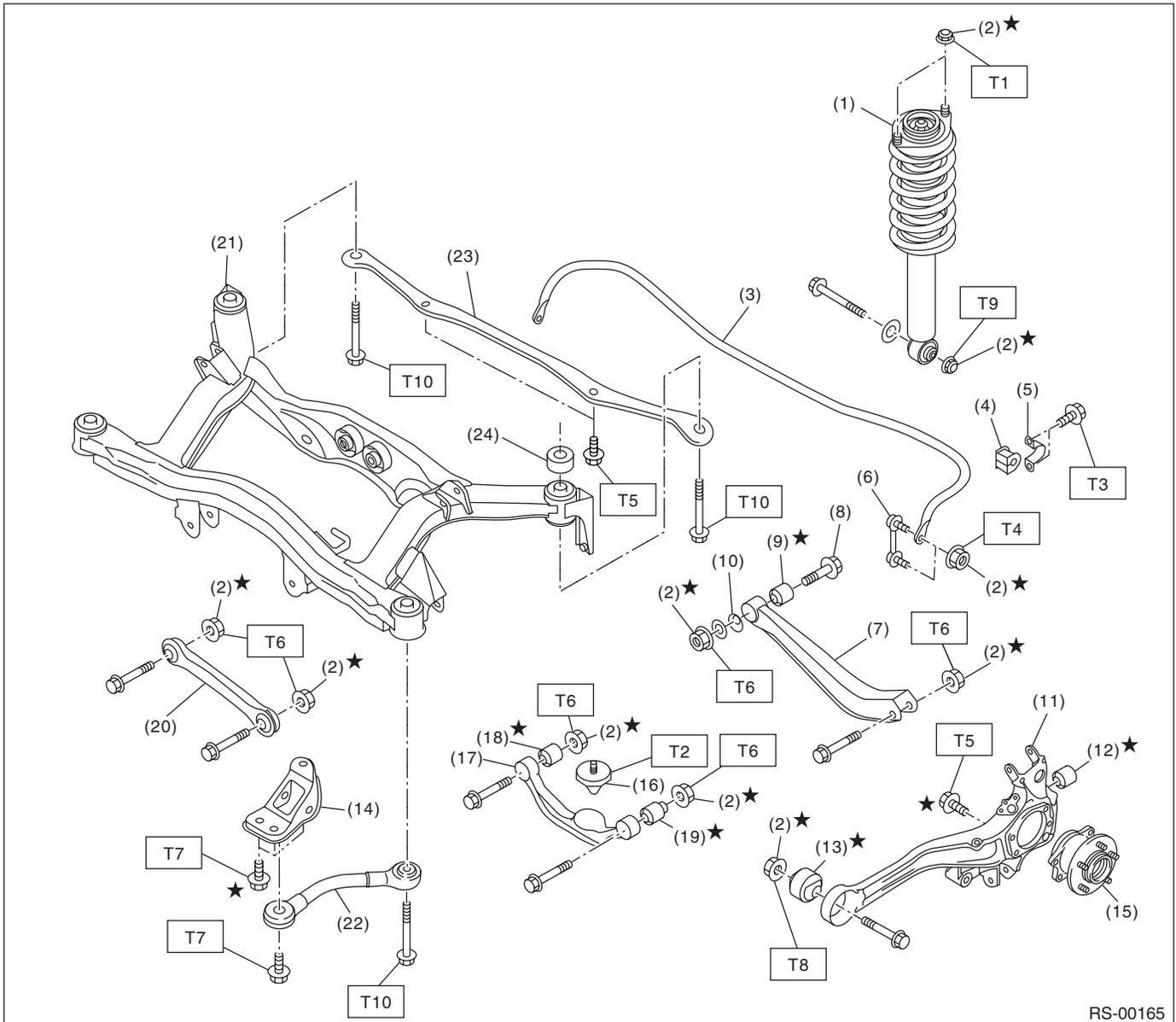


(1) Front

A – B = Positive: Toe-in, Negative: Toe-out
 α = Each toe angle

B: COMPONENT

1. REAR SUSPENSION



RS-00165

- | | |
|----------------------------|--------------------------------------|
| (1) Shock absorber | (13) Rear arm front bushing |
| (2) Self-locking nut | (14) Rear arm bracket |
| (3) Stabilizer | (15) Hub bearing unit |
| (4) Stabilizer bushing | (16) Helper |
| (5) Bracket | (17) Upper link |
| (6) Stabilizer link | (18) Upper link bushing (inner side) |
| (7) Rear link | (19) Upper link bushing (outer side) |
| (8) Adjusting bolt | (20) Front link |
| (9) Rear link bushing | (21) Rear sub frame |
| (10) Adjusting washer | (22) Sub frame support arm |
| (11) Rear arm | (23) Sub frame support plate |
| (12) Rear arm rear bushing | (24) Spacer (OUTBACK model) |

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: 120 (12.2, 89)

T7: 125 (12.7, 92)

T8: 150 (15.3, 111)

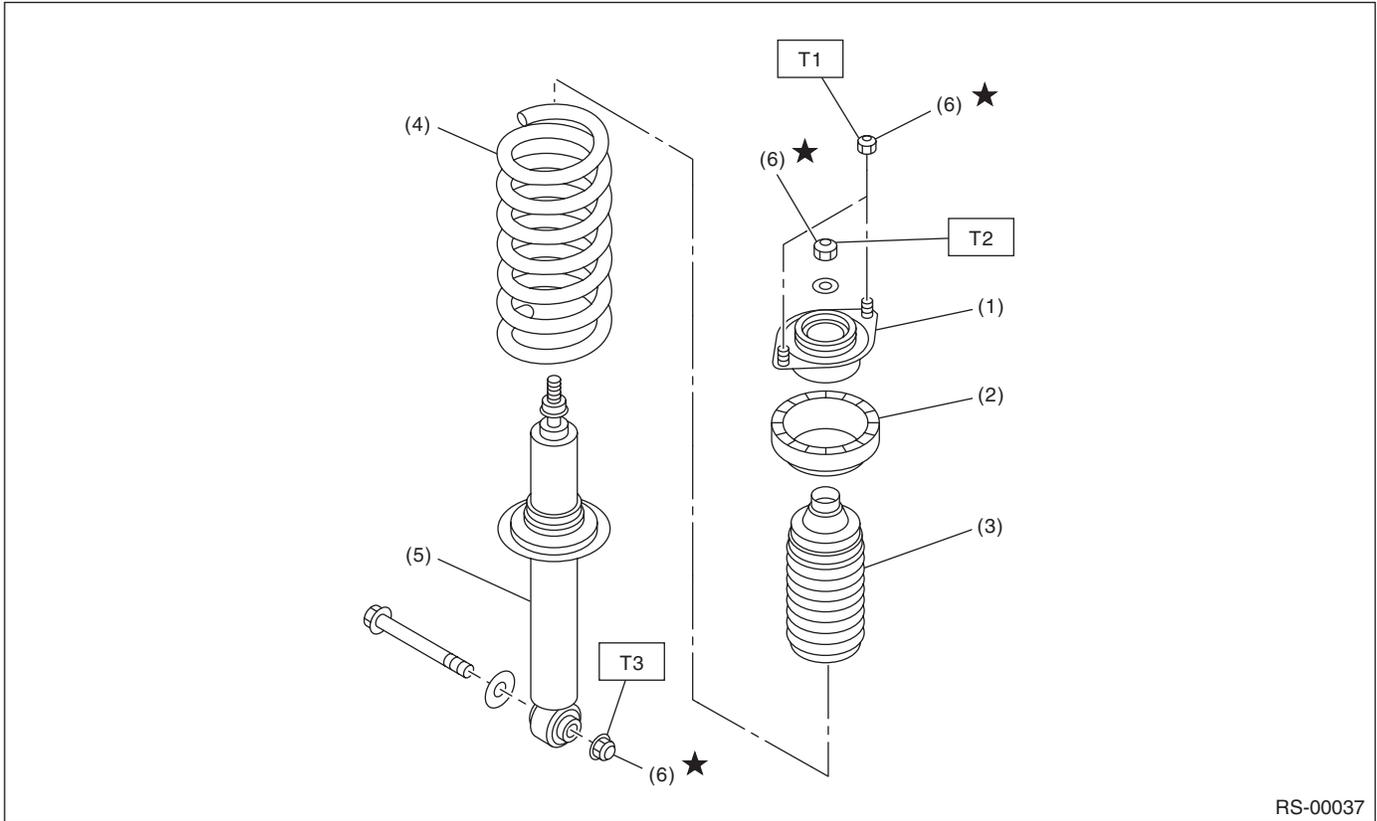
T9: 160 (16.3, 118)

T10: 175 (17.8, 129)

General Description

REAR SUSPENSION

2. SHOCK ABSORBER



- | | |
|------------------------|----------------------|
| (1) Mount | (4) Coil spring |
| (2) Upper rubber sheet | (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)

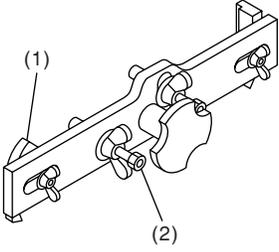
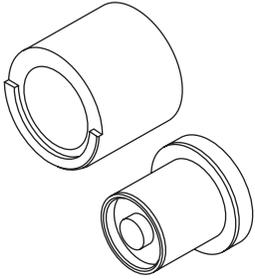
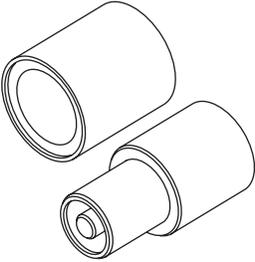
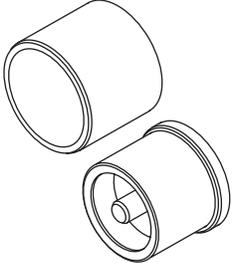
T3: 160 (16.3, 118)

C: CAUTION

- Wear work clothing, including a cap, protective goggles and protective shoes during operation.
- Before discarding shock absorbers, be sure to bleed gas completely. Also, do not throw away in 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 the equivalent. Do not mix grease, etc. with that of another grade or from other manufacturers.
- Before securing a part on a vice, place cushioning material such as wood blocks, aluminum plate, or cloth between the part and the vice.
- Be sure to tighten fasteners including bolts and nuts to specified torque.
- Place shop jacks or rigid racks at the specified points.

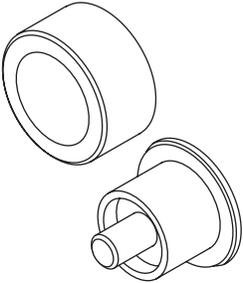
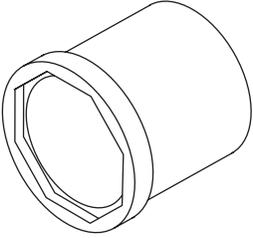
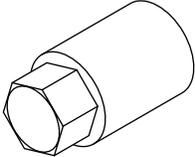
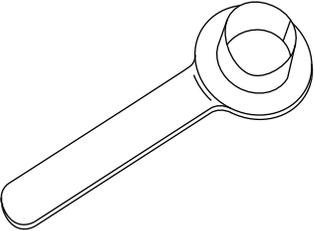
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST-927380002</p>	927380002	ADAPTER	Used for an adapter of camber & caster gauge when measuring the camber and caster. (1) 28199AC000 PLATE (2) 28199AC010 BOLT
 <p style="text-align: center;">ST20099AE000</p>	20099AE000	INSTALLER & REMOVER	Used for replacing the rear link bushing.
 <p style="text-align: center;">ST20099AE010</p>	20099AE010	INSTALLER & REMOVER	Used for replacing the upper link bushing.
 <p style="text-align: center;">ST20099AE020</p>	20099AE020	INSTALLER & REMOVER SET	Used for replacing the rear arm front bushing.

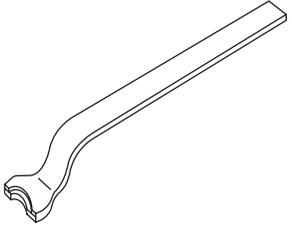
General Description

REAR SUSPENSION

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST20099AE040</p>	<p style="text-align: center;">20099AE040</p>	<p>INSTALLER & REMOVER SET</p>	<p>Used for replacing rear arm rear bushing.</p>
 <p style="text-align: center;">ST20099AE030</p>	<p style="text-align: center;">20099AE030</p>	<p>HELPER SOCKET WRENCH</p>	<p>Used for replacing helper.</p>
 <p style="text-align: center;">ST20399AG000</p>	<p style="text-align: center;">20399AG000 (New adopted tool)</p>	<p>STRUT MOUNT SOCKET</p>	<p>Used for removing and installing shock mount.</p>
 <p style="text-align: center;">ST28099PA090</p>	<p style="text-align: center;">28099PA090</p>	<p>OIL SEAL PROTEC- TOR</p>	<ul style="list-style-type: none"> • Used for installing rear drive shaft to rear differential. • For oil seal protection

General Description

REAR SUSPENSION

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST28099PA100</p>	28099PA100	REMOVER	Used for removal of DOJ.

2. GENERAL TOOL

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 removing and installing suspension.
Bearing puller	Used for removing bushing.
Coil spring compressor	Used for disassembling and assembling shock absorber.