

General Description

REAR SUSPENSION

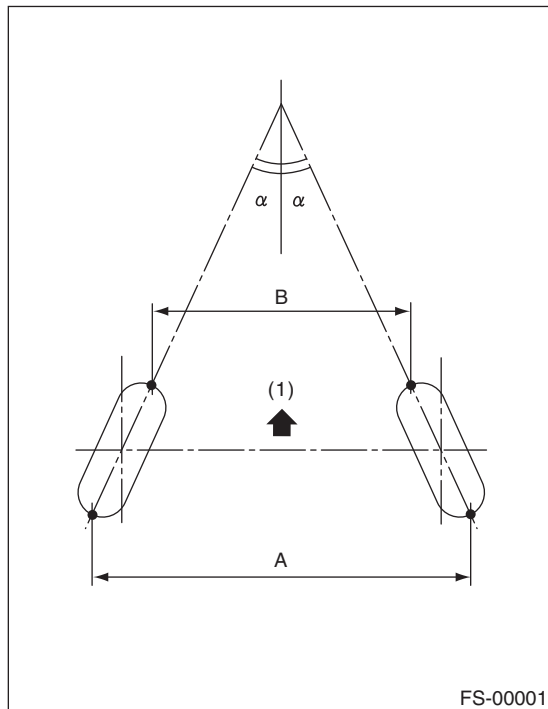
1. General Description

A: SPECIFICATION

Model	Sedan			Wagon		
	2.5 i	2.5 GT	OUTBACK	2.5 i	2.5 GT	OUTBACK
Wheel arch height [Tolerance: +12 mm -24 mm (+0.47 in -0.94 in)] mm (in)	365 (14.4)		438 (17.2)	375 (14.8)		438 (17.2)
Camber (Tolerance: $\pm 0^{\circ}45'$ Difference between RH and LH: 45' or less)	-0°40'		-0°10'	-0°30'		-0°10'
Toe-in mm (in)	0 \pm 3 (0 \pm 0.12) Toe angle (sum of both wheels): 0° \pm 0°15'					
Thrust angle (Tolerance: $\pm 0^{\circ}30'$)	0°					
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-in and front camber can be adjusted. Adjust if the toe-in or camber tolerance exceeds specifications.
- Other items indicated in the specifications table cannot be adjusted. If other items exceed specifications, check suspension parts and connections for deformation, and replace with new parts as required.

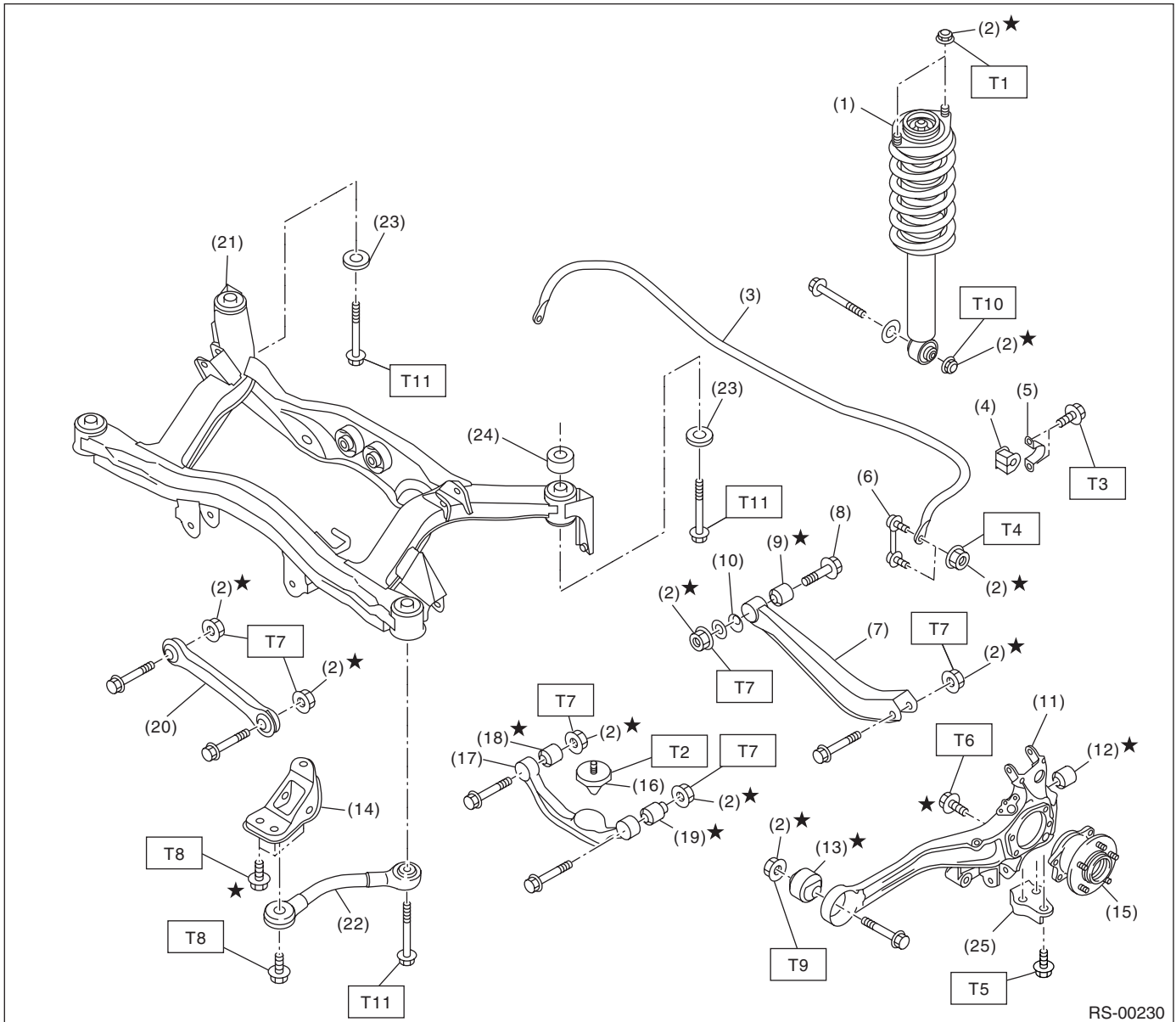


(1) Front

A - B = Positive: Toe-in, Negative: Toe-out
 α = Individual toe angles

B: COMPONENT

1. REAR SUSPENSION



- | | |
|-----------------------------|---|
| (1) Shock absorber | (14) Rear arm bracket |
| (2) Self-locking nut | (15) Hub bearing unit |
| (3) Stabilizer | (16) Helper |
| (4) Stabilizer bushing | (17) Upper link |
| (5) Bracket | (18) Upper link bushing (inner side) |
| (6) Stabilizer link | (19) Upper link bushing (outer side) |
| (7) Rear link | (20) Front link |
| (8) Adjusting bolt | (21) Rear sub frame |
| (9) Rear link bushing | (22) Sub frame support arm |
| (10) Adjusting washer | (23) Sub frame lower stopper |
| (11) Rear arm | (24) Spacer |
| (12) Rear arm rear bushing | (25) Stabilizer link bracket (model with aluminum rear arm) |
| (13) Rear arm front bushing | |

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: 60 (6.1, 44)

T6: 65 (6.6, 48)

T7: 120 (12.2, 89)

T8: 125 (12.7, 92)

T9: 150 (15.3, 111)

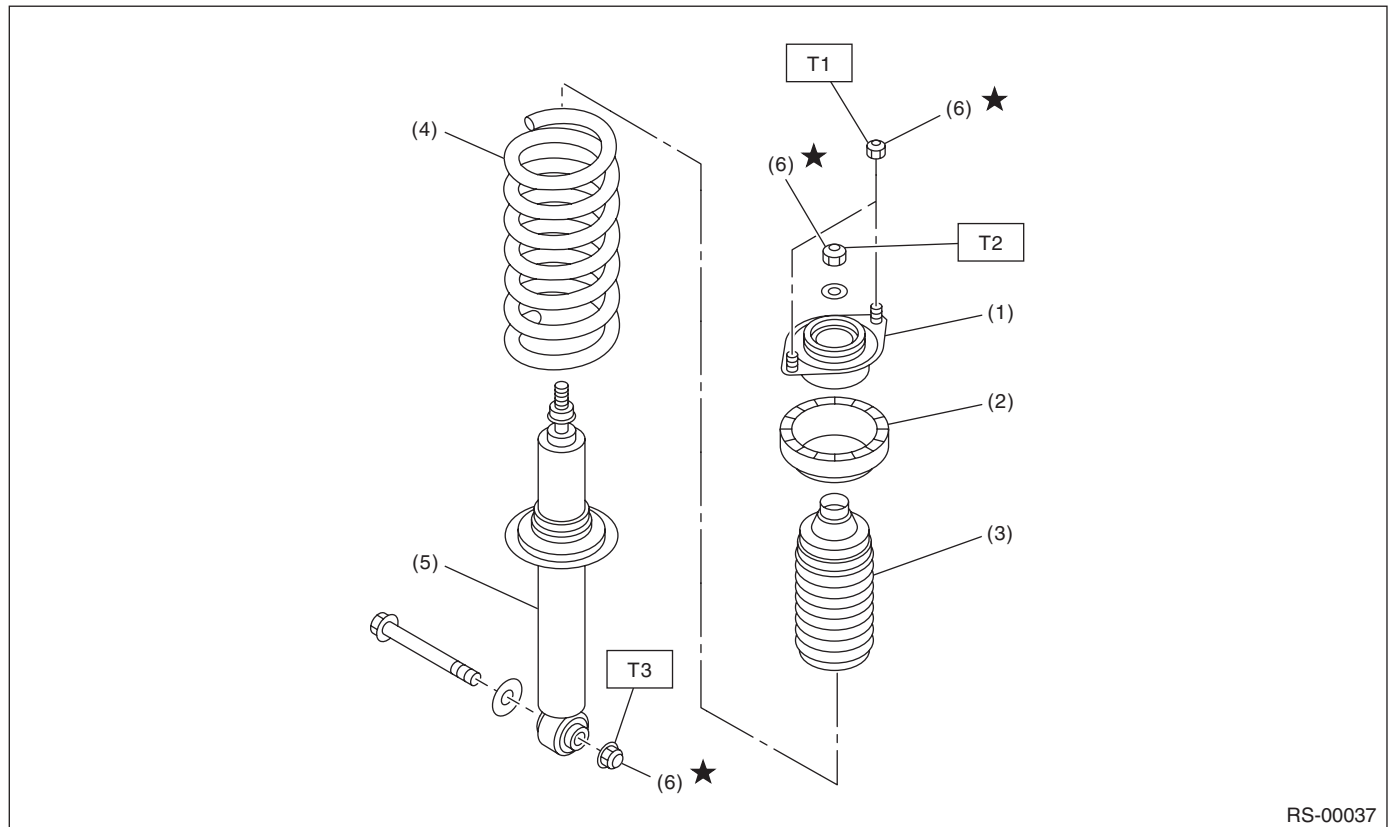
T10: 160 (16.3, 118)

T11: 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)

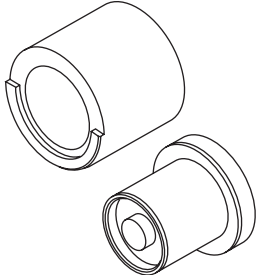
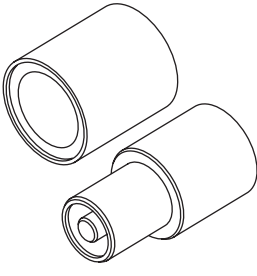
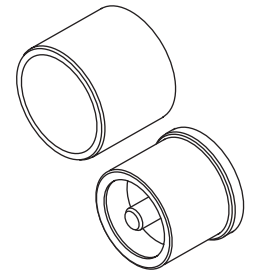
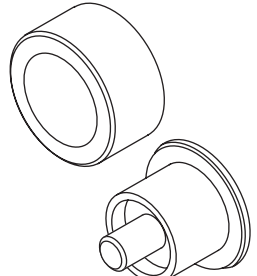
T3: 160 (16.3, 118)

C: CAUTION

- Wear 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.

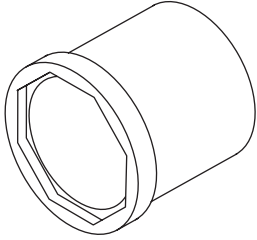
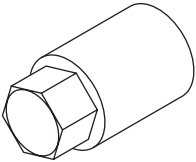
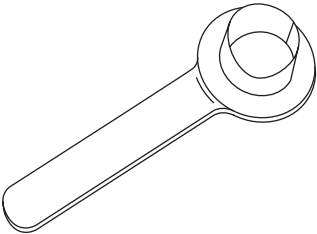
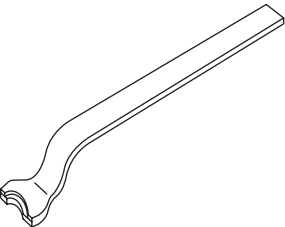
D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <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.
 <p style="text-align: center;">ST20099AE040</p>	20099AE040	INSTALLER & REMOVER SET	Used for replacing the rear arm rear bushing.

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ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST20099AE030	20099AE030	HELPER SOCKET WRENCH	Used for replacing helper.
 ST20399AG000	20399AG000	STRUT MOUNT SOCKET	Used for removing and installing shock mount.
 ST28099PA090	28099PA090	OIL SEAL PROTECTOR	<ul style="list-style-type: none"> • Used for installing the rear drive shaft to the rear differential. • For oil seal protection
 ST28099PA100	28099PA100	REMOVER	Used for removal of DOJ.

2. GENERAL TOOL

TOOL NAME	REMARKS
Alignment gauge	Used for measuring wheel alignment.
Alignment gauge adapter	Used for measuring wheel alignment.
Turning radius gauge	Used for measuring wheel alignment.
Toe-in gauge	Used for toe-in measurement.
Transmission jack	Used for removing and installing suspension.
Bearing puller	Used for removing bushings.
Coil spring compressor	Used for disassembling and assembling shock absorber.