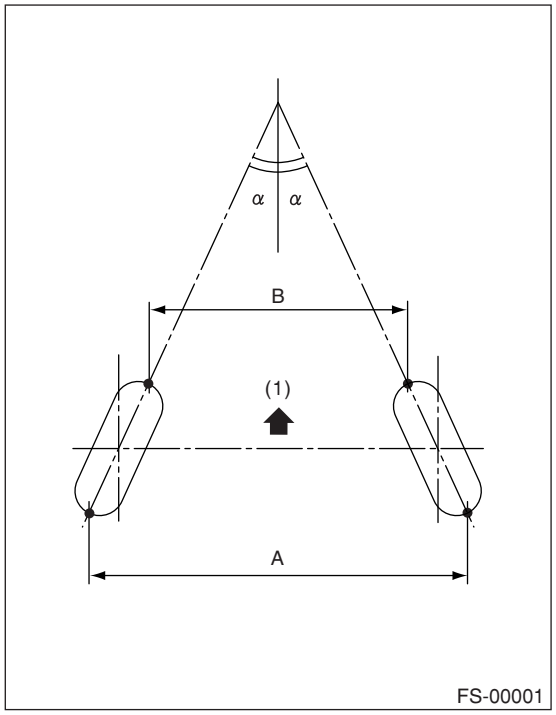
1. General Description

A: SPECIFICATION

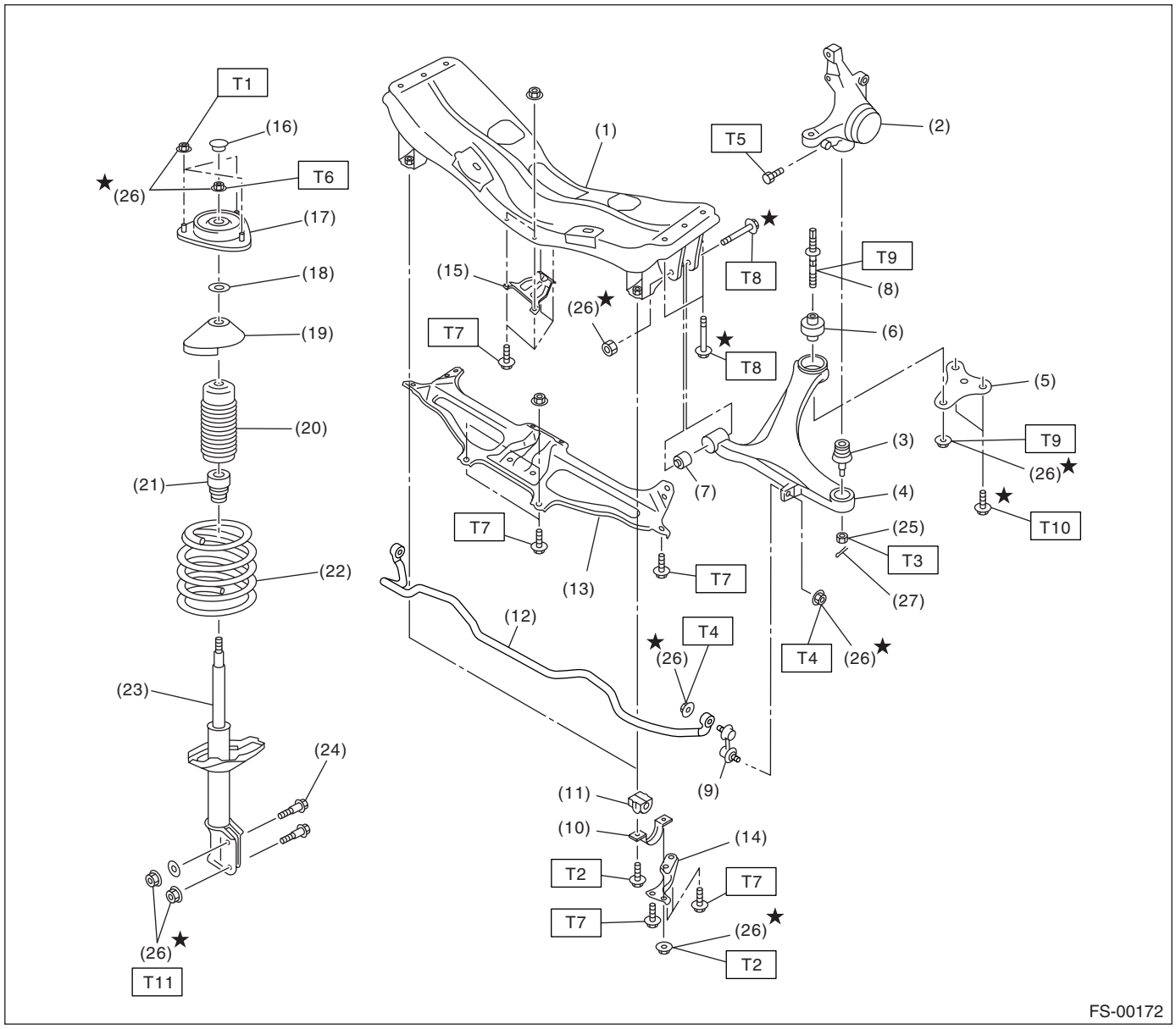
	Model		Sedan			Wagon		
			2.5 i	2.5 GT	OUTBACK	2.5 i	2.5 GT	OUTBACK
Front	Wheel arch height [Tolerance: $^{+12\ mm}_{-24\ mm}$ ($^{+0.47\ in}_{-0.94\ in}$)] mm (in)		381 (15.0)		439 (17.3)	381 (15.0)		439 (17.3)
	Camber (Tolerance: ±0°45′ Differences between RH and LH: 45′ or less)		−0°15′		0°40′	−0°15′		0°40′
	Caster (Referential Value)		5°55′		4°55′	5°40′		4°55′
	Steering angle (Tolerance: ±1.5°)	Inner wheel	37.2°		38.0°	37.2°		38.0°
		Outer wheel	33.0°		33.7°	33.0°		33.7°
	Toe-in mm (in)		0±3 (0±0.12) Toe angle (sum of both wheels): 0°±0°15′					
	Kingpin angle (Referential Value)		13°45′		12°05′	13°45′		12°05′
	Diameter of stabilizer mm (in)		20 (0.79)	21 (0.83)		20 (0.79)	21 (0.83)	
Rear	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: ±0°45′ Differences between RH and LH: 45′ or less)		−0°40′		−0°10′	−0°30′		−0°10′
	Toe-in mm (in)		0±3 (0±0.12) Toe angle (sum of both wheels): 0°±0°15′					
	Thrust angle (Tolerance: ±0°30′)		0°					
	Diameter of stabilizer mm (in)		15 (0.59)	16 (0.63)	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 them.
• Other items indicated in the specification table cannot be adjusted. If those 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
α = Each toe angle

B: COMPONENT



(1) Front crossmember
(2) Housing
(3) Ball joint
(4) Front arm
(5) Support plate
(6) Rear bushing
(7) Front bushing
(8) Stud bolt
(9) Stabilizer link
(10) Bracket
(11) Bushing
(12) Stabilizer
(13) Crossmember support plate (Large type)
(14) Crossmember support plate (Small type)
(15) Jack-up plate
(16) Dust seal
(17) Strut mount
(18) Spacer
(19) Upper spring seat
(20) Dust cover
(21) Helper
(22) Coil spring
(23) Damper strut
(24) Adjusting bolt
(25) Castle nut
(26) Self-locking nut
(27) Cotter pin

Tightening torque: N·m (kgf-m, ft-lb)

T1: 20 (2.0, 14.5)
T2: 25 (2.5, 18.1)
T3: 39 (4.0, 28.8)
T4: 45 (4.6, 33.2)
T5: 50 (5.1, 36.9)
T6: 55 (5.6, 41)
T7: 60 (6.1, 44.3)
T8: 95 (9.7, 70.1)
T9: 110 (11.2, 81.1)
T10: 150 (15.3, 110.6)
T11: 152 (15.5, 112.1)

C: CAUTION

• Wear work clothing, including a cap, protective goggles and protective shoes during operation.
• Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
• Use SUBARU genuine grease 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 the specified torque.
• Place shop jacks or rigid racks at the specified points.

D: PREPARATION TOOL

1. SPECIAL TOOL

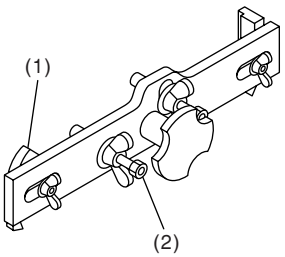
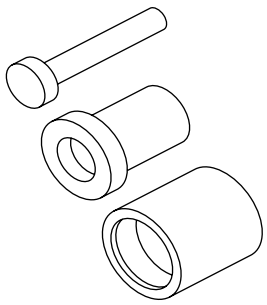
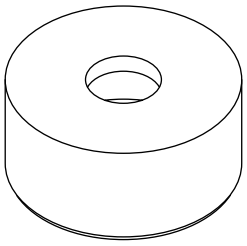
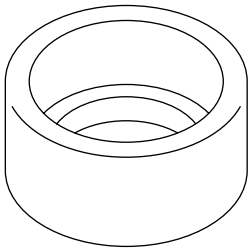
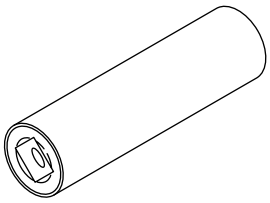
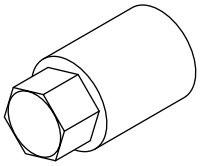
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-927380002	927380002	ADAPTER	Used as an adapter for camber & caster gauge when measuring camber and caster. (1) 28199AC000 PLATE (2) 28199AC010 BOLT
 ST-927680000	927680000	INSTALLER & REMOVER SET	Used for replacing the front arm front bushing.
 ST20299AG000	20299AG000 (Newly adopted tool)	REMOVER	Used for replacing the front arm rear bushing. Used with BASE (20999AG010).

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST20299AG010	20299AG010 (Newly adopted tool)	BASE	Used for replacing the front arm rear bushing. Used with REMOVER (20999AG000).
 ST20299AG020	20299AG020 (Newly adopted tool)	STUD BOLT SOCKET	Used for removing and installing the stud bolt for front arm installing portion.
 ST20399AG000	20399AG000 (Newly adopted tool)	STRUT MOUNT SOCKET	Used for disassembling and assembling the strut mount.

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.
Dial gauge	Used for damper strut measurement.
Coil spring compressor	Used for strut assembly/disassembly.