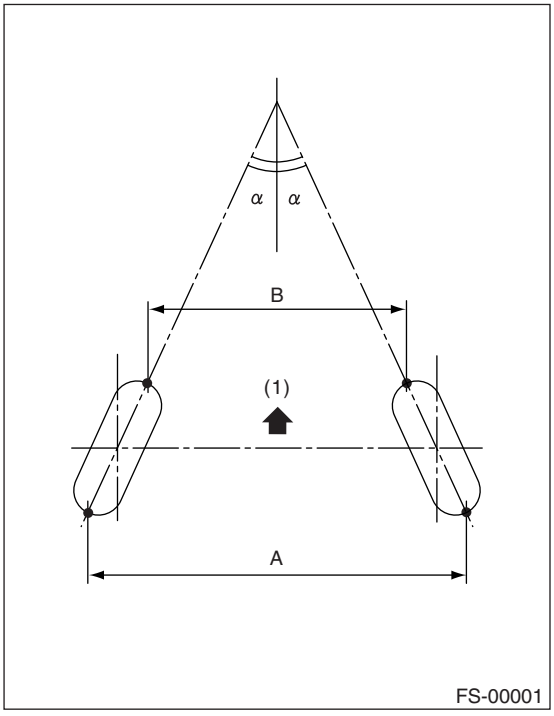
1. General Description

A: SPECIFICATION

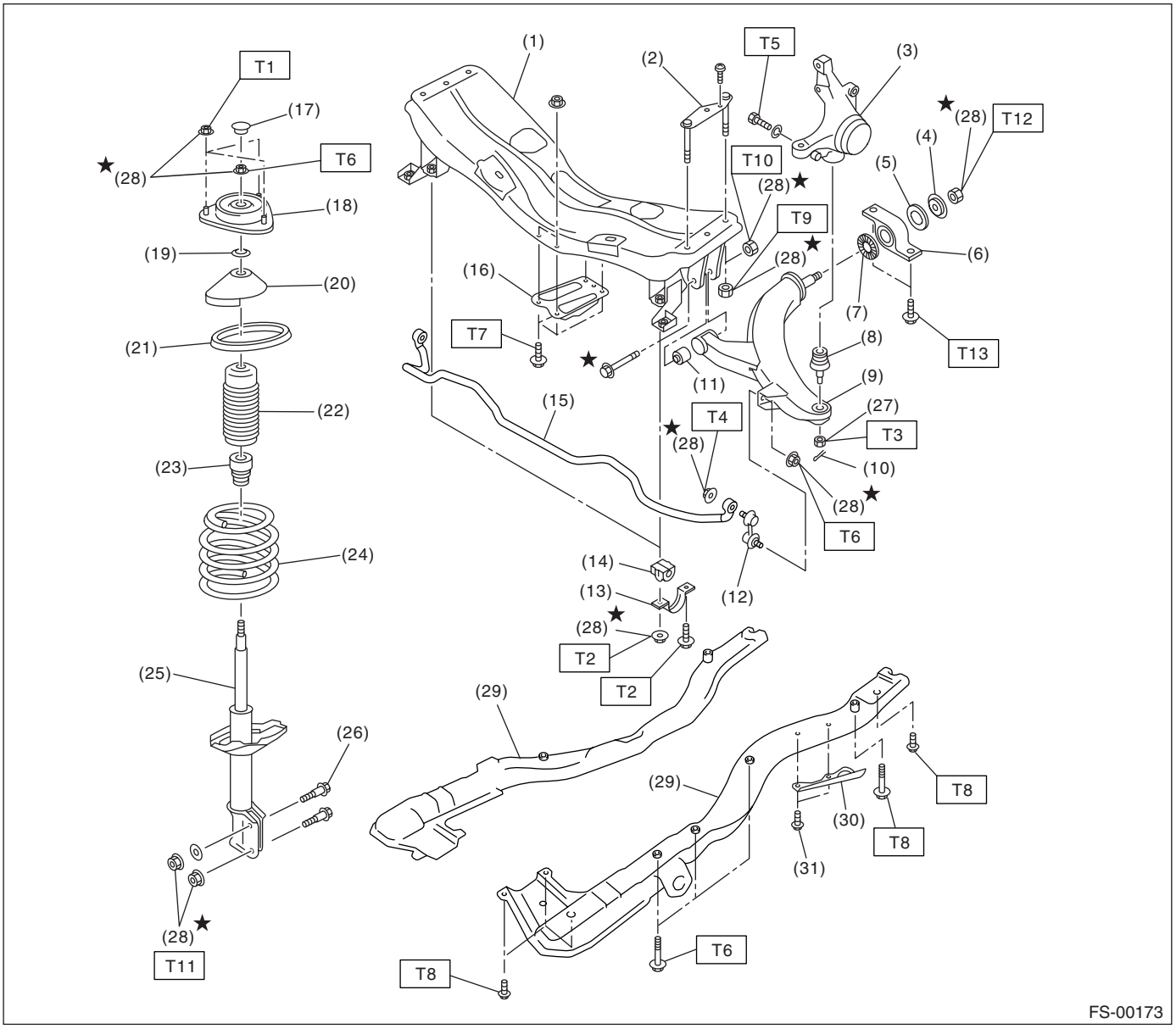
Model		Non-turbo	Turbo
Front	Camber (Tolerance: ±0°45′Differences between RH and LH 45′ or less)	–0°25′	
	Caster (Reference)	3°03′	
	Toe-in	0±3 mm (0±0.12 in) Toe angle (sum of both wheels): 0°±0°15′	
	Kingpin angle (Reference)	13°12′	
	Wheel arch height (Tolerance: $^{+12}/_{-24}$ mm($^{+0.47}/_{-0.94}$ in))	437 mm (17.20 in)	
	Diameter of stabilizer	21 mm (0.83 in)	
Rear	Camber (Tolerance: ±0°45′Differences between RH and LH 45′ or less)	–0°50′	–0°55′
	Toe-in	2±3 mm (0.079±0.12 in) Toe angle (sum of both wheels): 0°10′±0°15′	
	Thrust angle	0°±30′	
	Wheel arch height (Tolerance: $^{+12}/_{-24}$ mm($^{+0.47}/_{-0.94}$ in))	440 mm (17.32 in)	435 mm (17.13 in)
	Diameter of stabilizer	17 mm (0.67 in)	

NOTE:
• Front and rear toe-in and front camber can be adjusted. If the toe-in or camber tolerance exceeds specifications, adjust toe-in and camber to the middle value of specification.
• 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) Front crossmember
(2) Bolt ASSY
(3) Housing
(4) Washer
(5) Stopper rubber (Rear)
(6) Rear bushing
(7) Stopper rubber (Front)
(8) Ball joint
(9) Transverse link
(10) Cotter pin
(11) Front bushing
(12) Stabilizer link
(13) Clamp
(14) Bushing
(15) Stabilizer
(16) Jack-up plate
(17) Dust seal
(18) Strut mount
(19) Spacer
(20) Upper spring seat
(21) Rubber seat
(22) Dust cover
(23) Helper
(24) Coil spring
(25) Damper strut
(26) Adjusting bolt
(27) Castle nut
(28) Self-locking nut
(29) Sub frame
(30) Cover
(31) Clip

Tightening torque: N·m (kgf-m, ft-lb)

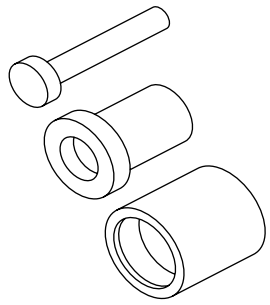
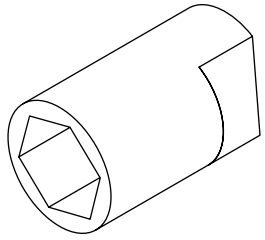
T1:	***20 (2.0, 14.5)***
T2:	***25 (2.5, 18.1)***
T3:	***40 (4.1, 30) (Tighten an additional 60°)***
T4:	***45 (4.6, 33)***
T5:	***50 (5.1, 37)***
T6:	***55 (5.6, 41)***
T7:	***70 (7.1, 52)***
T8:	***71 (7.2, 52)***
T9:	***100 (10.2, 74)***
T10:	***125 (12.7, 92.3)***
T11:	***175 (17.8, 129)***
T12:	***190 (19.4, 140)***
T13:	***250 (25.5, 184)***

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 etc. or equivalent. Do not mix grease with another grade or from other manufacturers.
- 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.
- 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-927680000	927680000	INSTALLER & REMOVER SET	Used for replacing the transverse link bushing.
 ST-927760000	927760000	STRUT MOUNT SOCKET	Used for disassembling and assembling the strut and shock mount.

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

2. Wheel Alignment

A: INSPECTION

Check the following items before performing the wheel alignment measurement.
Check items before measuring wheel alignment:

- Tire inflation pressure
- Uneven wear of RH and LH tires, or difference of sizes
- Tire runout
- Excessive play and wear of ball joint
- Excessive play and wear of tie rod end
- Excessive play of wheel bearing
- Right and left wheel base imbalance
- Deformation and excessive play of steering link
- Deformation and excessive play of suspension parts

Check, adjust and measure the wheel alignment in accordance with the procedures indicated in the figure.

Wheel arch height (front and rear wheels) <Ref. to FS-6, WHEEL ARCH HEIGHT, INSPECTION, Wheel Alignment.>
↓
Camber (front and rear wheels) <Ref. to FS-7, CAMBER, INSPECTION, Wheel Alignment.>
↓
Caster (front wheel) <Ref. to FS-8, CASTER, INSPECTION, Wheel Alignment.>
↓
Steering angle <Ref. to FS-8, STEERING ANGLE, INSPECTION, Wheel Alignment.>
↓
Front wheel toe-in <Ref. to FS-9, FRONT WHEEL TOE-IN, INSPECTION, Wheel Alignment.>
↓
REAR Wheel Toe-In <Ref. to FS-9, REAR WHEEL TOE-IN, INSPECTION, Wheel Alignment.>
↓
Thrust angle <Ref. to FS-11, THRUST ANGLE, INSPECTION, Wheel Alignment.>