1. General Description

A: SPECIFICATION

Model		2.5 X	2.5 XS, 2.5 XT, L.L.Bean		
Туре		Disc (Floating type, ventilated)			
Front disc	Effective disc diameter	244 mm (9.61 in)			
	Disc thickness × Diameter	24 × 294 mm (0.94 × 11.57 in)			
brake	Effective cylinder diameter	42.8 mm (1	42.8 mm (1.685 in) × 2		
	Pad dimensions	117.8 × 50.5 × 11.0 mm			
	(Length × Width × Thickness)	(4.638 × 1.988 × 0.433 in)			
	Clearance adjustment	Automatic adjustment			
	Туре	_	Disc (Floating type)		
	Effective disc diameter	_	230 mm (9.06 in)		
Rear disc	Disc thickness × Diameter	_	$10 \times 266 \text{ mm}$ (0.39 × 10.47 in)		
brake	Effective cylinder diameter	_	38.1 mm (1.500 in)		
	Pad dimensions (Length × Width × Thickness)	_	$89.4 \times 33.7 \times 9.0 \text{ mm}$ (3.520 × 1.327 × 0.354 in)		
	Clearance adjustment	_	Automatic adjustment		
	Туре	Drum (Leading-Trailing type)	_		
	Effective drum diameter	228.6 mm (9 in)	_		
Rear drum brake	Effective cylinder diameter	19 mm (0.75 in)	_		
Diake	Lining dimensions (Length × Width × Thickness)	219.4 × 35.0 × 4.1 mm (8.64 × 1.378 × 0.161 in)	_		
	Clearance adjustment	Automatic adjustment	_		
	Туре	Tano	dem		
Master cyl-	Effective diameter	25.4 mm (1 in)			
inder	Reservoir type	Sealed type			
	Brake fluid reservoir capacity	205 cm ³ (12.51 cu in)			
Brake	Туре	Vacuum suspended			
booster Effective diameter		"8 + 9" tandem type			
Brake line		Dual circuit system			
Brake fluid CAUTION: • Avoid mixing brake fluid of different brands to prevent fluid performance from degrading. • When filling brake fluid, be careful not to allow any dust into the reservoir. • Use new DOT3 or 4 brake fluid when replacing or refilling fluid.		FMVSS No. 116, DOT3 or DOT4			

NOTE: Refer to the "PB section" for parking brake specifications. <Ref. to PB-2, SPECIFICATION, General Description.>

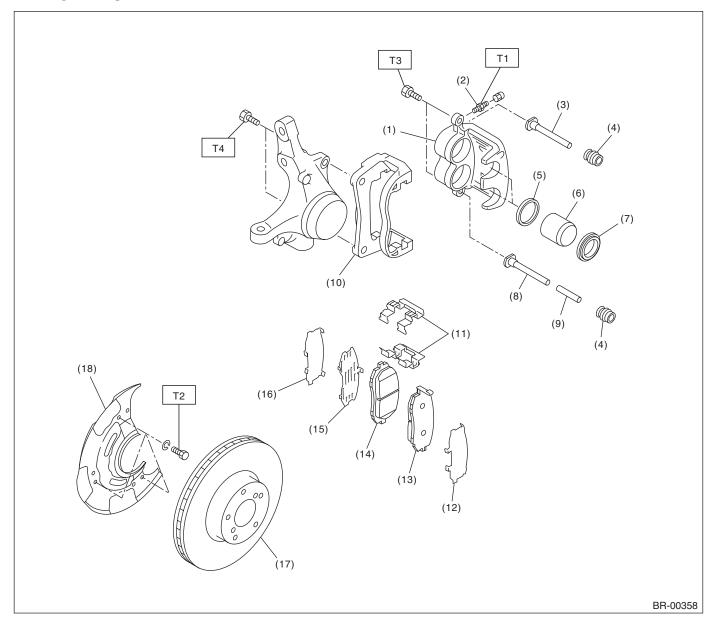
Item		Standard	Limit
	Pad thickness	11 mm (0.43 in)	1.5 mm (0.059 in)
Front brake	Disc thickness	24 mm (0.94 in)	22 mm (0.87 in)
	Disc runout	_	0.075 mm (0.0030 in)
	Pad thickness	9 mm (0.35 in)	1.5 mm (0.059 in)
Rear brake (Disc type)	Disc thickness	10 mm (0.39 in)	8.5 mm (0.335 in)
	Disc runout	_	0.07 mm (0.0028 in)
Door broke (Drum tune)	Inside diameter	228.6 mm (9 in)	230.6 mm (9.08 in)
Rear brake (Drum type)	Lining thickness	4.1 mm (0.161 in)	1.5 mm (0.059 in)
Book broke (Dies type powking)	Inside diameter	170 mm (6.69 in)	171 mm (6.73 in)
Rear brake (Disc type parking)	Lining thickness	3.2 mm (0.126 in)	1.5 mm (0.059 in)
Parking brake Lever stroke 7 to 8 notches when p		7 to 8 notches when pulled with	a force of 196 N (20 kgf, 44 lb)

		Brake pedal operation force	Fluid pressure
	Brake fluid pressure with engine stopped Brake fluid pressure and vacuum pressure with engine running at 66.7 kPa (500 mmHg, 19.69 inHg)	147 N (15 kgf, 33 lb)	686 kPa (7 kg/cm ² , 100 psi)
		294 N (30 kgf, 66 lb)	1,765 kPa (18 kg/cm ² , 256 psi)
		147 N (15 kgf, 33 lb)	6,468 kPa (65 kg/cm ² , 938 psi)
Brake booster		294 N (30 kgf, 66 lb)	10,297 kPa (105 kg/cm ² , 1,493 psi)

Bra	ke pedal	Free play	0.5 — 2.0 mm (0.02 — 0.08 in) [Depress brake pedal with a force of less than 10 N (1 kgf, 2 lb).]

B: COMPONENT

1. FRONT DISK BRAKE



- (1) Caliper body
- (2) Air bleeder screw
- (3) Guide pin (Green)
- (4) Pin boot
- (5) Piston seal
- (6) Piston
- (7) Piston boot
- (8) Lock pin (Yellow)

- (9) Bushing
- (10) Support
- (11) Pad clip
- (12) Outer shim
- (13) Outer pad
- (13) Outer pac
- (14) Inner pad
- (15) Rubber coat shim
- (16) Inner shim

- (17) Disc rotor
- (18) Disc cover

Tightening torque: N⋅m (kgf-m, ft-lb)

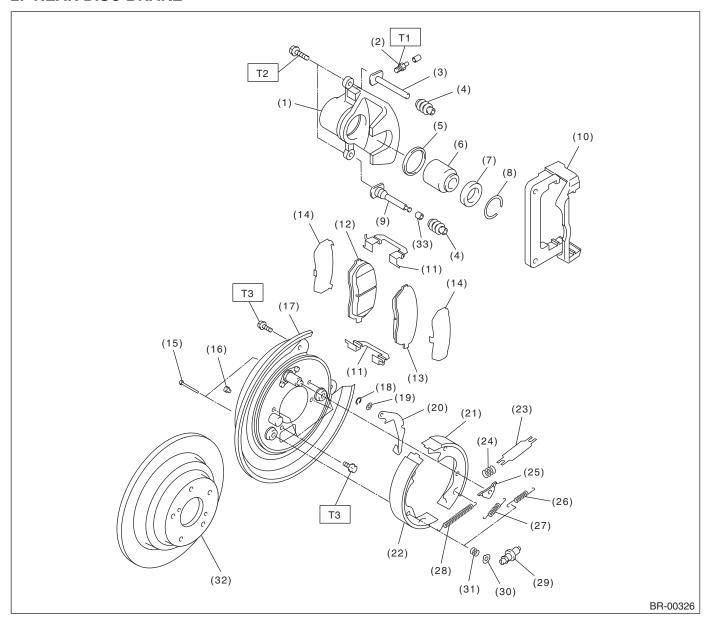
T1: 8 (0.8, 5.8)

T2: 18 (1.8, 13.0)

T3: 26 (2.7, 19.2)

T4: 80 (8.2, 59)

2. REAR DISC BRAKE



- (1) Caliper body
- (2) Air bleeder screw
- (3) Guide pin (Green)
- (4) Pin boot
- (5) Piston seal
- (6) Piston
- (7) Piston boot
- (8) Boot ring
- (9) Lock pin (Yellow)
- (10) Support
- (11) Pad clip
- (12) Inner pad
- (13) Outer pad

- (14) Shim
- (15) Shoe hold-down pin
- (16) Cover
- (17) Back plate
- (18) Retainer
- (19) Spring washer
- (20) Parking brake lever
- (20) Tarking brake level
- (21) Parking brake shoe (Secondary)
- (22) Parking brake shoe (Primary)
- (23) Strut
- (24) Strut shoe spring
- (25) Shoe guide plate
- (26) Secondary shoe return spring

- (27) Primary shoe return spring
- (28) Adjusting spring
- (29) Adjuster
- (30) Shoe hold-down cup
- (31) Shoe hold-down spring
- (32) Disc rotor
- (33) Bushing

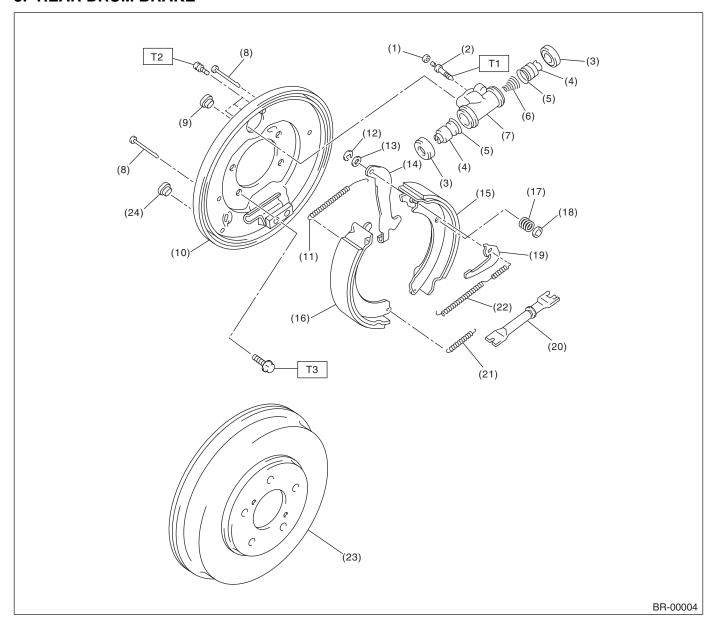
Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 8 (0.8, 5.8)

T2: 37 (3.8, 27.5)

T3: 52 (5.3, 38.3)

3. REAR DRUM BRAKE



- (1) Air bleeder cap
- (2) Air bleeder screw
- (3) Dust boots
- (4) Piston
- (5) Cup
- (6) Spring
- (7) Wheel cylinder body
- (8) Hold-down pin
- (9) Plug
- (10) Back plate

- (11) Upper shoe return spring
- (12) Retainer
- (13) Washer
- (14) Parking brake lever
- (15) Brake shoe (Trailing)
- (16) Brake shoe (Leading)
- (17) Shoe hold-down spring
- (18) Hold-down cup
- (19) Adjusting lever
- (20) Adjuster ASSY

- (21) Lower shoe return spring
- (22) Adjusting spring
- (23) Brake drum
- (24) Plug

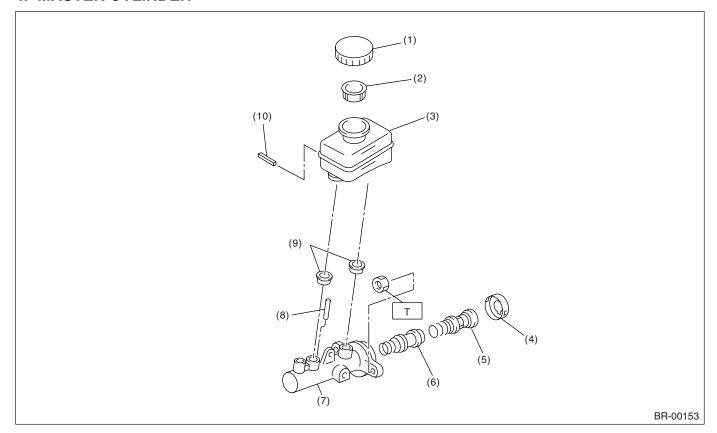
Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 8 (0.8, 5.8)

T2: 10 (1.0, 7.2)

T3: 52 (5.3, 38.3)

4. MASTER CYLINDER



- (1) Cap
- (2) Filter
- (3) Reservoir tank
- (4) Piston retainer
- (5) Primary piston

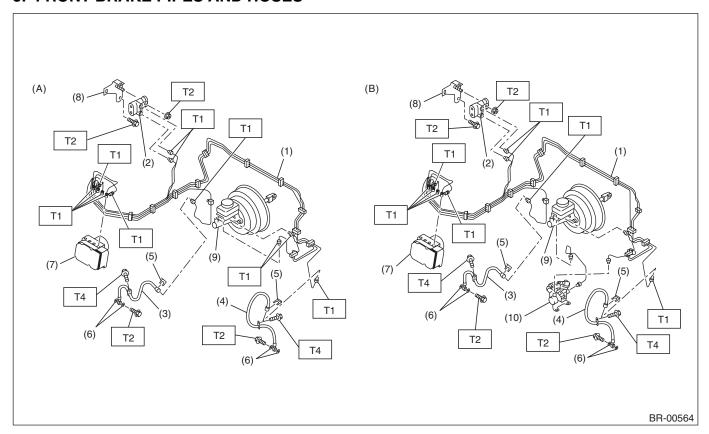
- (6) Secondary piston
- (7) Cylinder body
- (8) Cylinder pin
- (9) Seal

(10) Pin

Tightening torque: N·m (kgf-m, ft-lb)

T: 14 (1.4, 10.1)

5. FRONT BRAKE PIPES AND HOSES



- (A) AT model
- (1) Front brake pipe ASSY
- (2) Two-way connector
- (3) Front brake hose RH
- (4) Front brake hose LH
- (5) Clamp
- (6) Gasket

- (B) MT model
- (7) ABS control module and hydraulic control unit (ABSCM&H/U)
- (8) Bracket
- (9) Master cylinder
- (10) Hill holder
- (11) Hill holder

Tightening torque: N·m (kgf-m, ft-lb)

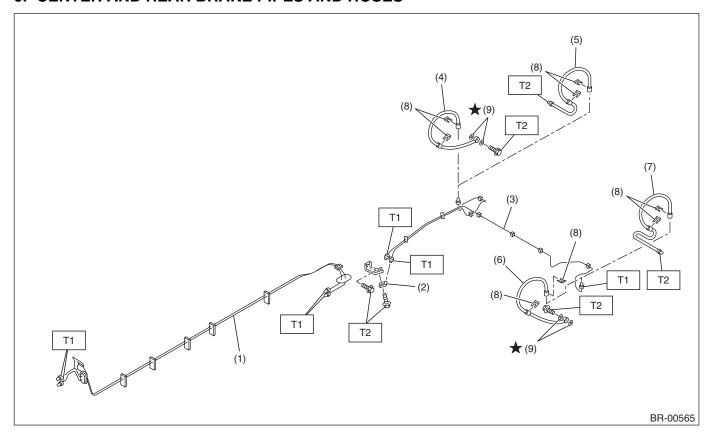
T1: 15 (1.5, 10.8)

T2: 18 (1.8, 13.0)

T3: 19 (1.9, 13.7)

T4: 32 (3.3, 23.6)

6. CENTER AND REAR BRAKE PIPES AND HOSES



- (1) Center brake pipe ASSY
- (2) Two-way connector
- (3) Rear brake pipe ASSY
- (4) Rear brake hose RH (Disc brake model)
- (5) Rear brake hose RH (Drum brake model)
- (6) Rear brake hose LH (Disc brake model)
- (7) Rear brake hose LH (Drum brake model)
- (8) Brake hose clamp

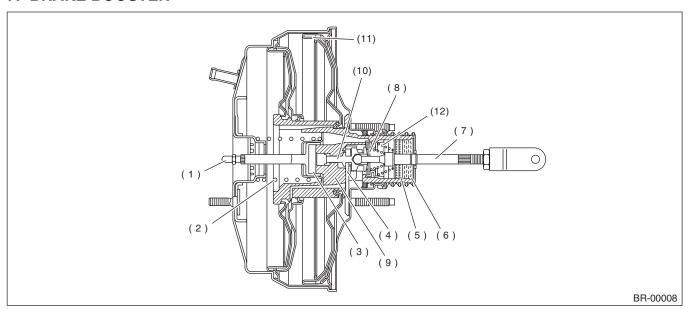
(9) Gasket

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 15 (1.5, 10.8)

T2: 18 (1.8, 13.0)

7. BRAKE BOOSTER

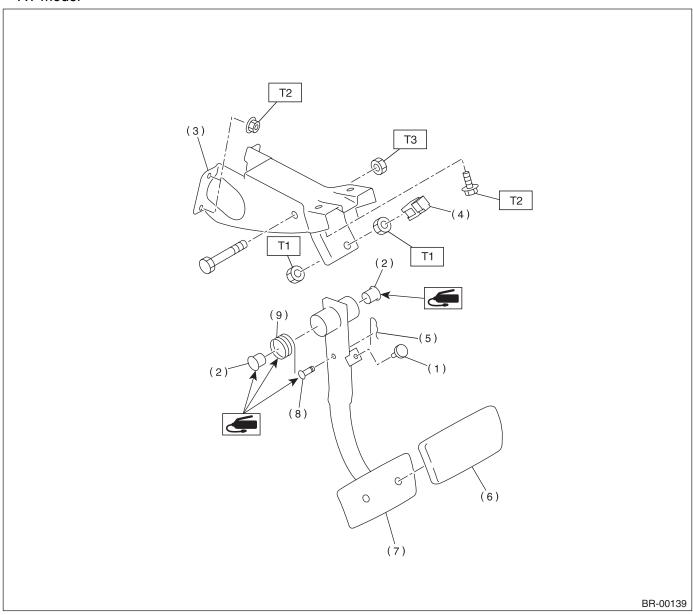


- (1) Push rod
- (2) Return spring
- (3) Reaction disc
- (4) Key

- (5) Filter
- (6) Silencer
- (7) Operating rod
- (8) Poppet valve ASSY
- (9) Valve body
- (10) Plunger valve
- (11) Diaphragm plate
- (12) Valve return spring

8. BRAKE PEDAL

• AT model



- (1) Stopper
- (2) Bushing
- (3) Pedal bracket
- (4) Stop light switch
- (5) Snap pin

- (6) Brake pedal pad
- (7) Brake pedal
- (8) Clevis pin
- (9) Brake pedal spring

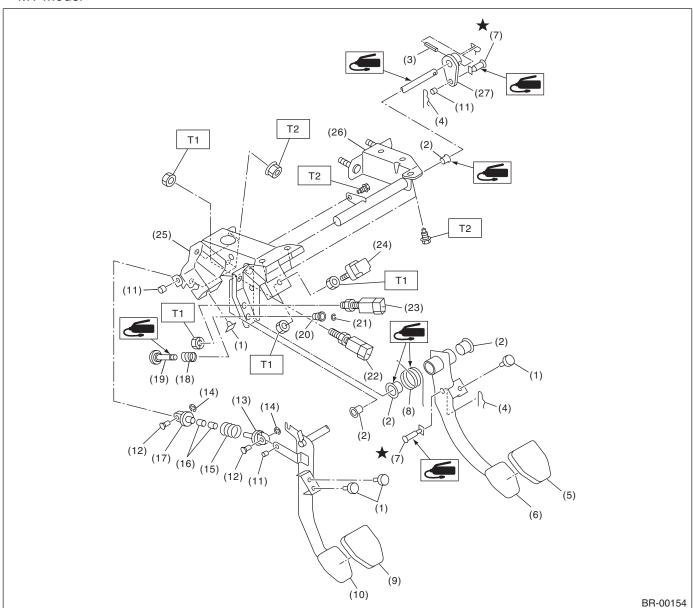
Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 8 (0.8, 5.8)

T2: 18 (1.8, 13.0)

T3: 29 (3.0, 21.7)

MT model



- (1) Stopper
- (2) Bushing
- (3) Spring pin
- (4) Snap pin
- (5) Brake pedal pad
- (6) Brake pedal
- (7) Clevis pin
- (8) Brake pedal spring
- (9) Clutch pedal pad
- (10) Clutch pedal
- (11) Bushing C

- (12) Clutch clevis pin
- (13) Assist rod A
- (14) Clip
- (15) Assist spring
- (16) Assist bushing
- (17) Assist rod B
- (17) 7.00.00100
- (18) Spring S
- (19) Rod S
- (20) Bushing S
- (21) Clip
- (22) Clutch switch (Starter interlock)

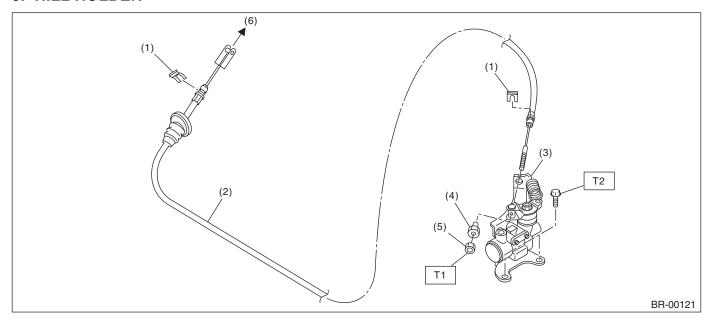
- (23) Clutch switch (Model with cruise control)
- (24) Stop light switch
- (25) Pedal bracket
- (26) Clutch master cylinder bracket
- (27) Lever

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 8 (0.8, 5.8)

T2: 18 (1.8, 13.0)

9. HILL HOLDER



- (1) Clamp
- (2) PHV cable
- (3) PHV (Pressure hold valve)
- (4) Adjusting nut
- (5) Lock nut
- (6) To clutch pedal

Tightening torque: N⋅m (kgf-m, ft-lb)

T1: 3.5 (0.36, 2.6) T2: 18 (1.8, 13.0)

C: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- Use SUBARU genuine fluid, grease etc. or equivalent. Do not mix fluid, grease, etc. of different grades or manufacturers.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.
- Apply grease onto sliding or revolving surfaces before installation.
- Before installing O-rings or snap rings, apply sufficient amount of fluid to avoid damage and deformation.
- Before securing a part on a vise, set cushioning material such as wood blocks, aluminum plate, or shop cloth between the part and the vise.
- Keep fluids away from the vehicle body. If any fluid contacts the vehicle body, immediately flush the area with water.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	926460000	WHEEL CYLINDER 3/4"ADAPTER	Used for installing the cup to the wheel cylinder piston. (Size 3/4 in)
6			
ST-926460000			

2. GENERAL TOOL

TOOL NAME	REMARKS
Snap ring pliers	Used for removing and installing snap rings.
Brake pipe wrench	Used for removing and installing brake pipes.