

## ATF FILTER

AUTOMATIC TRANSMISSION

### 19.ATF Filter

#### A: REMOVAL

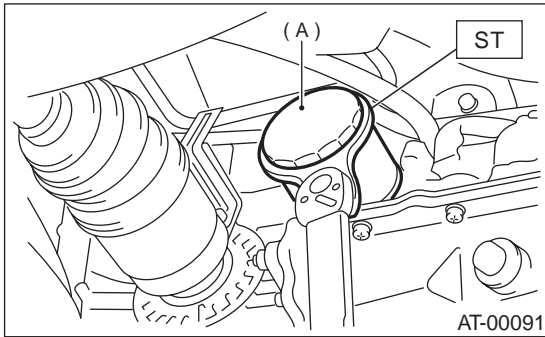
##### 1. EXCEPT 3.0 L MODEL

**NOTE:**

The ATF filter is maintenance free.

- 1) Lift-up the vehicle.
- 2) Using ST, remove ATF filter.

ST 498545400 OIL FILTER WRENCH



(A) ATF filter

##### 2. 3.0 L MODEL

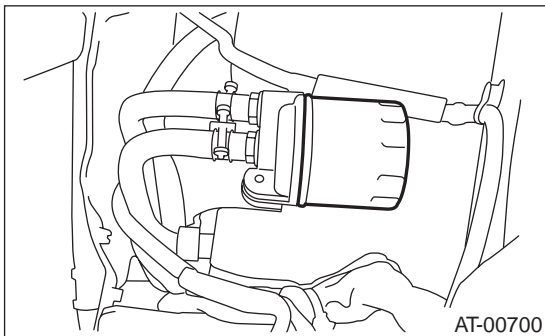
#### • ATF Filter

**NOTE:**

The ATF filter is maintenance free.

- 1) Lift-up the vehicle.
- 2) Remove front left mud guard.  
<Ref. to EI-23, REMOVAL, Mud Guard.>
- 3) Using ST, remove ATF filter.

ST 498548500 OIL FILTER WRENCH



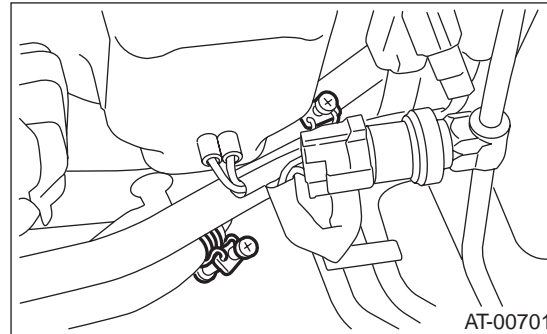
- 4) Get new ATF filter and apply a thin coat of ATF to the oil seal

#### • ATF Filter Assembly

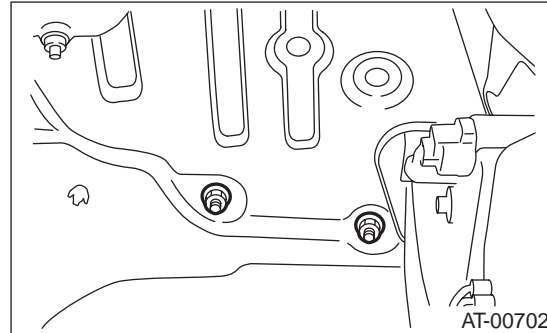
- 1) Remove battery.
- 2) Lift-up the vehicle.
- 3) Remove front left mud guard.  
<Ref. to EI-23, REMOVAL, Mud Guard.>
- 4) Lower the vehicle.
- 5) Release clamp of IN, OUT of oil filter hose, and remove hose from pipe.

**NOTE:**

- Plug the pipe.
- Put a mark etc., to distinguish IN, OUT on pipe and hose.



- 6) Remove oil filter bracket installation nut.



- 7) Remove ATF filter assembly.
- 8) Remove ATF filter with attachment to bracket.
- 9) Get new ATF filter and apply a thin coat of ATF to the oil seal.

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## ATF FILTER

### AUTOMATIC TRANSMISSION

#### B: INSTALLATION

##### 1. EXCEPT 3.0 L MODEL

- 1) Get new ATF filter and apply a thin coat of ATF to the oil seal.
- 2) Install ATF filter. Turn it by hand, being careful not to damage oil seal.
- 3) Using ST, tighten ATF filter to transmission case.

Calculate ATF filter torque specifications using the following formula.

$$T2 = L2 / (L1 + L2) \times T1$$

T1: 14 N·m (1.4 kgf-m, 10.1 ft-lb)

[Required torque setting]

T2: Tightening torque

L1: ST length 0.078 m (3.07 in)

L2: Torque wrench length

Example:

Torque wrench length mm (in)	Tightening torque N·m (kgf-m, ft-lb)
100 (3.94)	7.7 (0.79, 5.7)
150 (5.91)	9.0 (0.92, 6.7)
200 (7.87)	10 (1.0, 7.2)

#### NOTE:

Align ST with torque wrench while tightening ATF filter.

ST 498545400 OIL FILTER WRENCH

4) Add ATF.

5) Inspect level of ATF. <Ref. to AT-30, Automatic Transmission Fluid.>

##### 2. 3.0 L MODEL

###### • ATF Filter

- 1) Get new ATF filter and apply a thin coat of ATF to the oil seal.
- 2) Install AT oil filter. Turn it by hand, being careful not to damage oil seal.
- 3) Using ST, tighten AT oil filter to attachment.

Calculate AT filter torque specifications using the following formula.

$$T2 = L2 / (L1 + L2) \times T1$$

T1: 14 N·m (1.4 kgf-m, 10.1 ft-lb)

[Required torque setting]

T2: Tightening torque

L1: ST length 0.078 m (3.07 in)

L2: Torque wrench length

Example:

Torque wrench length mm (in)	Tightening torque N·m (kgf-m, ft-lb)
100 (3.94)	7.7 (0.79, 5.7)
150 (5.91)	9.0 (0.92, 6.7)
200 (7.87)	10 (1.0, 7.2)

#### NOTE:

Align ST with torque wrench while tightening AT oil filter.

ST 498545400 OIL FILTER WRENCH

4) Install front left mud guard. <Ref. to EI-23, INSTALLATION, Mud Guard.>

5) Add ATF.

6) Inspect level of ATF. <Ref. to AT-30, Automatic Transmission Fluid.>

###### • ATF Filter Assembly

- 1) Install ATF filter with attachment to bracket.

#### Tightening torque:

**14 N·m (1.4 kgf-m, 10 ft-lb)**

- 2) Install ATF filter assembly to vehicle.

#### Tightening torque:

**16 N·m (1.6 kgf-m, 12 ft-lb)**

- 3) Install AT oil filter. Turn it by hand, being careful not to damage oil seal.

4) Using ST, tighten AT oil filter to transmission case.

Calculate AT filter torque specifications using the following formula.

$$T2 = L1 / (L1 + L2) \times T1$$

T1: 14 N·m (1.4 kgf-m, 10.1 ft-lb)

[Required torque setting]

T2: Tightening torque

L1: ST length 0.078 m (3.07 in)

L2: Torque wrench length

Example:

Torque wrench length mm (in)	Tightening torque N·m (kgf-m, ft-lb)
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200 (7.87)	10 (1.0, 7.2)

#### NOTE:

Align ST with torque wrench while tightening AT oil filter.

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5) Install hoses to pipe.

#### NOTE:

Install hoses to pipe aligning marks on them.

6) Install front left mud guard.

<Ref. to EI-23, INSTALLATION, Mud Guard.>

7) Add ATF.

8) Inspect level of ATF. <Ref. to AT-30, Automatic Transmission Fluid.>

#### C: INSPECTION

Replace the part if any defect is found from the inspection.

Check for rust, hole, ATF leaks, and other damage.

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