

General Description

WIPER AND WASHER SYSTEMS

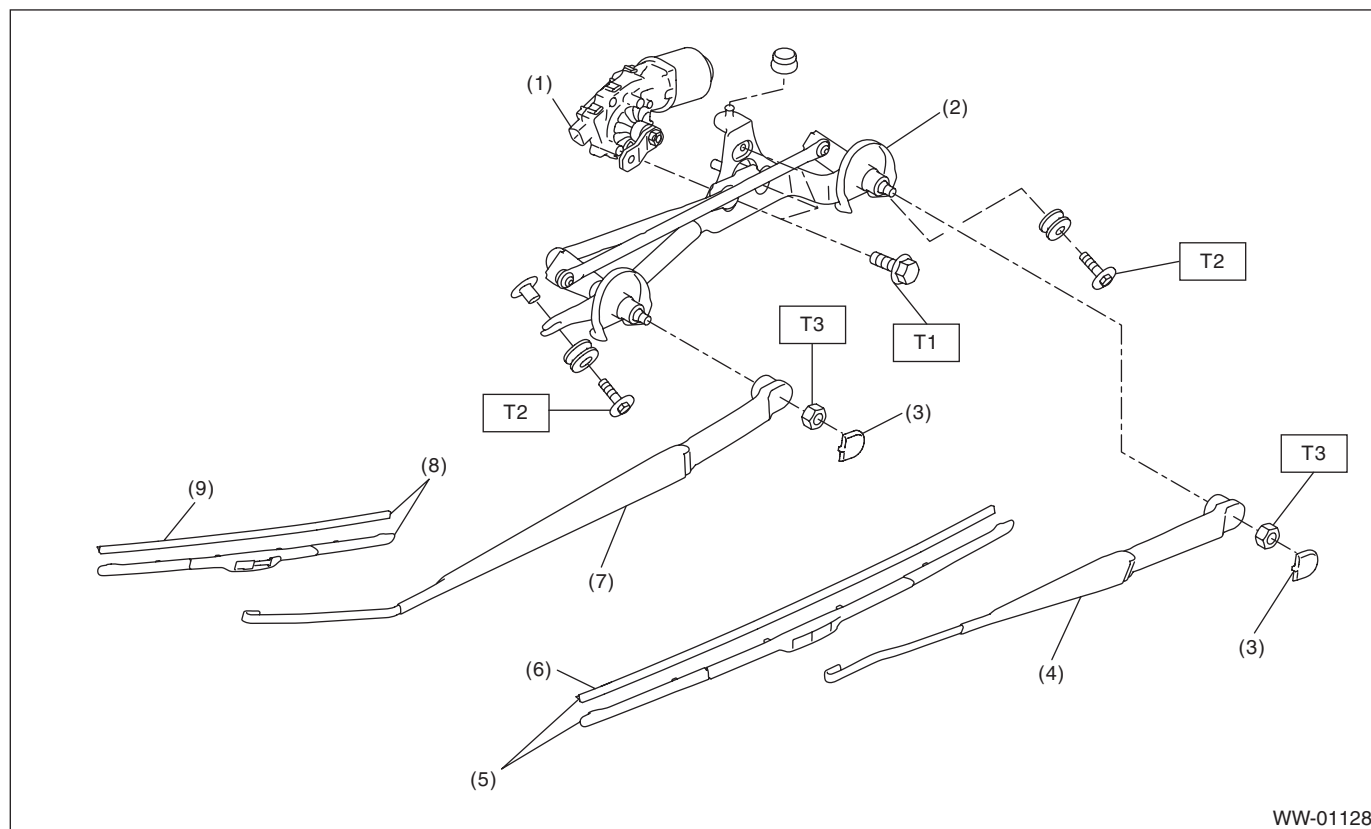
1. General Description

A: SPECIFICATION

Front wiper motor	Input	12 V — 72 W or less
Rear wiper motor	Input	12 V — 42 W or less
Front washer motor	Pump type	Centrifugal
	Input	12 V — 60 W or less
Rear washer motor	Pump type	Centrifugal
	Input	12 V — 60 W or less

B: COMPONENT

1. FRONT WIPER



WW-01128

- (1) Motor ASSY - windshield wiper
- (2) Link ASSY - windshield wiper
- (3) Cover - windshield wiper arm
- (4) Arm ASSY - windshield wiper driver
- (5) Blade ASSY - windshield wiper driver

- (6) Rubber ASSY - windshield wiper driver
- (7) Arm ASSY - windshield wiper assistor
- (8) Blade ASSY - windshield wiper assistor
- (9) Rubber ASSY - windshield wiper assistor

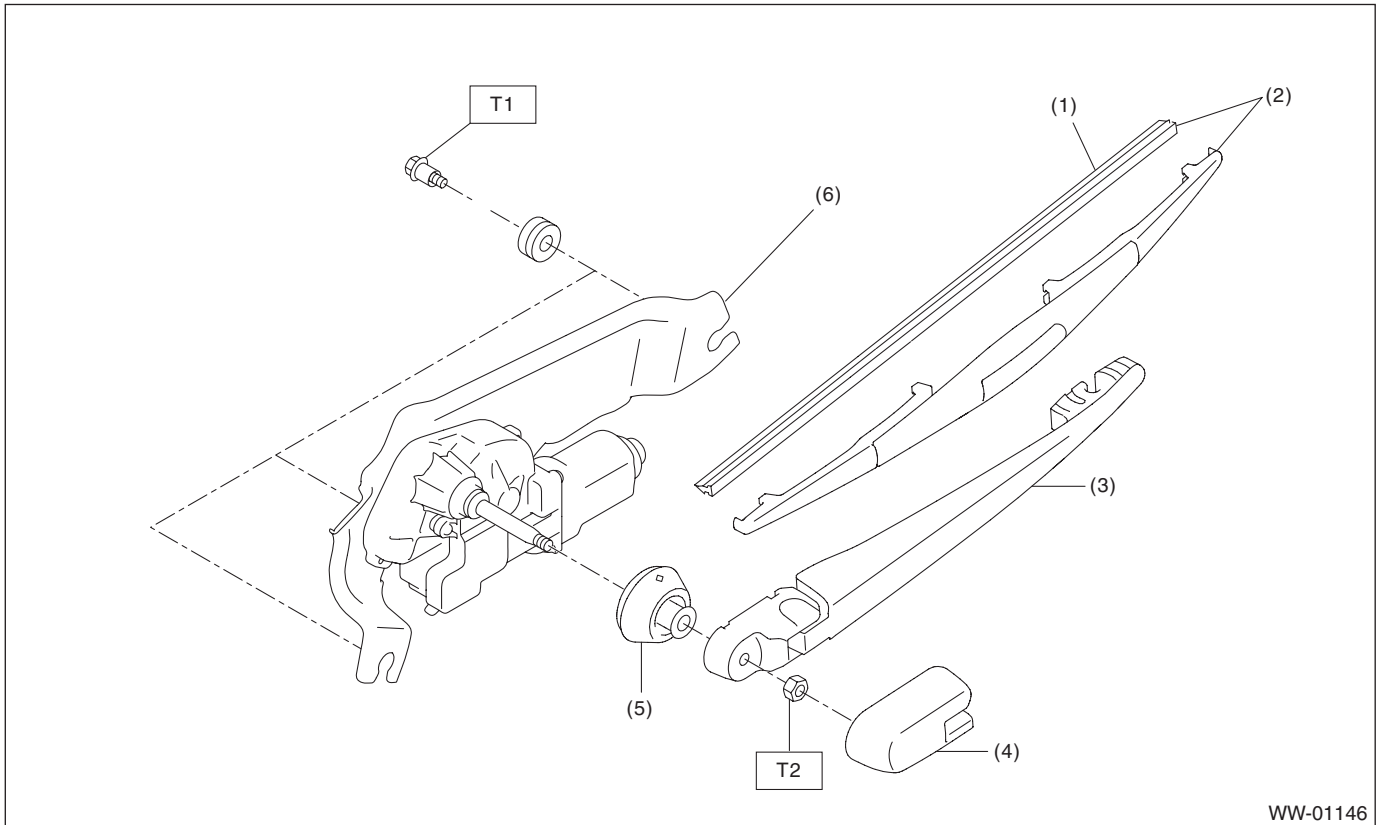
Tightening torque: N·m (kgf-m, ft-lb)

T1: 5.5 (0.56, 4.1)

T2: 6 (0.61, 4.4)

T3: 26 (2.65, 19.2)

2. REAR WIPER



WW-01146

- | | |
|------------------------------|-----------------------------|
| (1) Rubber ASSY - rear wiper | (4) Cover - rear wiper arm |
| (2) Blade ASSY - rear wiper | (5) Cap - pivot wiper |
| (3) Arm ASSY - rear wiper | (6) Motor ASSY - rear wiper |

Tightening torque:N·m (kgf-m, ft-lb)

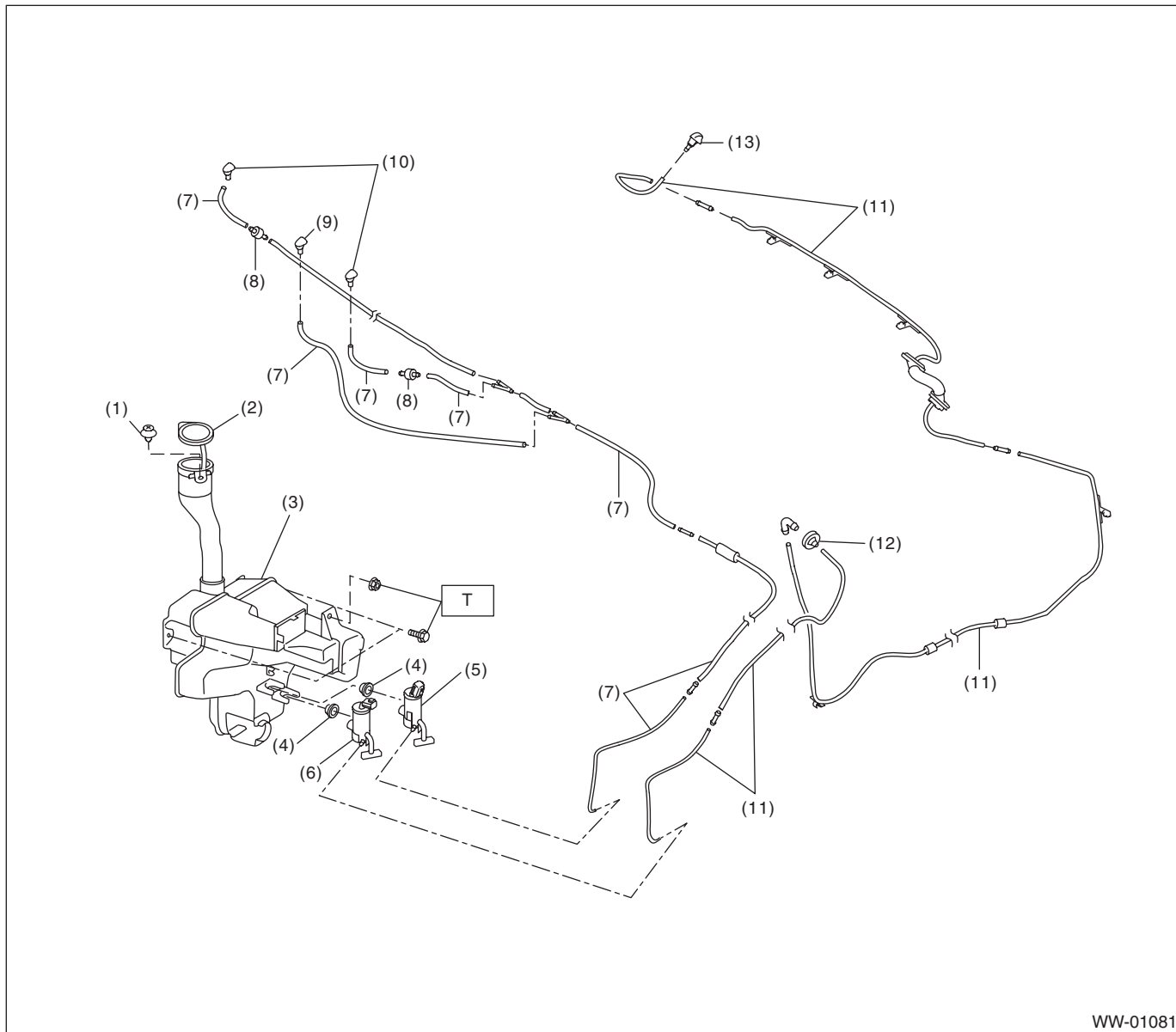
T1: 6 (0.61, 4.4)

T2: 8 (0.82, 5.9)

General Description

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3. WASHER TANK (MODELS WITH EyeSight)



- | | |
|------------------------------------|---|
| (1) Clip | (7) Hose - windshield washer |
| (2) Cap ASSY - washer tank | (8) Valve - windshield washer |
| (3) Tank - washer front | (9) Nozzle - windshield washer EyeSight |
| (4) Packing - washer motor | (10) Nozzle - windshield washer |
| (5) Motor pump ASSY - washer front | (11) Hose ASSY - rear washer |
| (6) Motor pump ASSY - washer rear | (12) Grommet - washer hose |

- (13) Nozzle - rear washer

Tightening torque: N·m (kgf-m, ft-lb)

T: 6 (0.61, 4.4)

This diagram illustrates the assembly of a rear window unit. The main components are shown in an exploded view, with dashed lines indicating their relative positions and assembly paths. The components are numbered as follows:

- (1) A small circular cap or plug.
- (2) A larger circular cap or plug.
- (3) The main window frame or housing.
- (4) Two small pins or fasteners.
- (5) A small rectangular component, possibly a sensor or actuator.
- (6) A small rectangular component, possibly a sensor or actuator.
- (7) A long, thin cable or hose.
- (8) A small circular component, possibly a connector or plug.
- (9) A small circular component, possibly a connector or plug.
- (10) A long, thin cable or hose.
- (11) A small circular component, possibly a connector or plug.
- (12) A small circular component, possibly a connector or plug.

A label 'T' is placed near the window frame (3), likely indicating a specific part or assembly point.

- Tightening torque: N·m (kgf-m, ft-lb)**
T: 6 (0.61, 4.4)

General Description

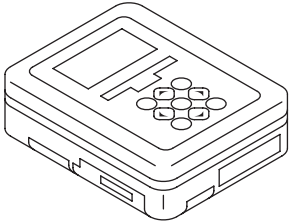
WIPER AND WASHER SYSTEMS

C: CAUTION

- Connect the connectors and hoses securely during reassembly.
- After reassembly, make sure that the each component or each function operates normally.
- Be careful with the airbag system wiring harness which passes near electrical parts and switches.
- Yellow connectors and harnesses with yellow tapes around them are the connectors and harnesses for the airbag system. Using a tester above such circuits may cause malfunction of airbag system. Follow the cautions of "AIRBAG SYSTEM" in this case. <Ref. to AB-9, CAUTION, General Description.>
- When connecting the pipe hoses, be careful not to cause bend or blockage.
- If even a small amount of silicon oil or grease enters the tank - washer and the washer fluid passages, an oil film will be formed on the glass and will cause the wiper to chatter and judder. Make sure that no oil comes into contact with the system.

D: PREPARATION TOOL

1. SPECIAL TOOL

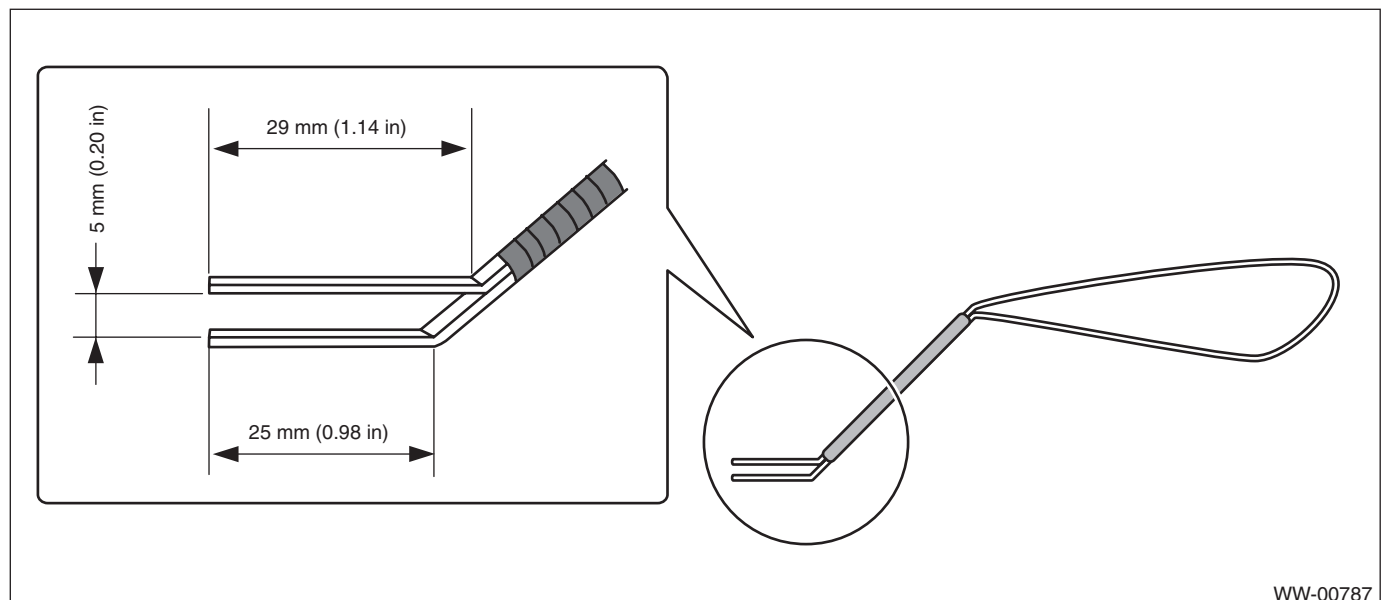
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for setting of each function and troubleshooting for electrical system.

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for checking voltage and continuity.

NOTE:

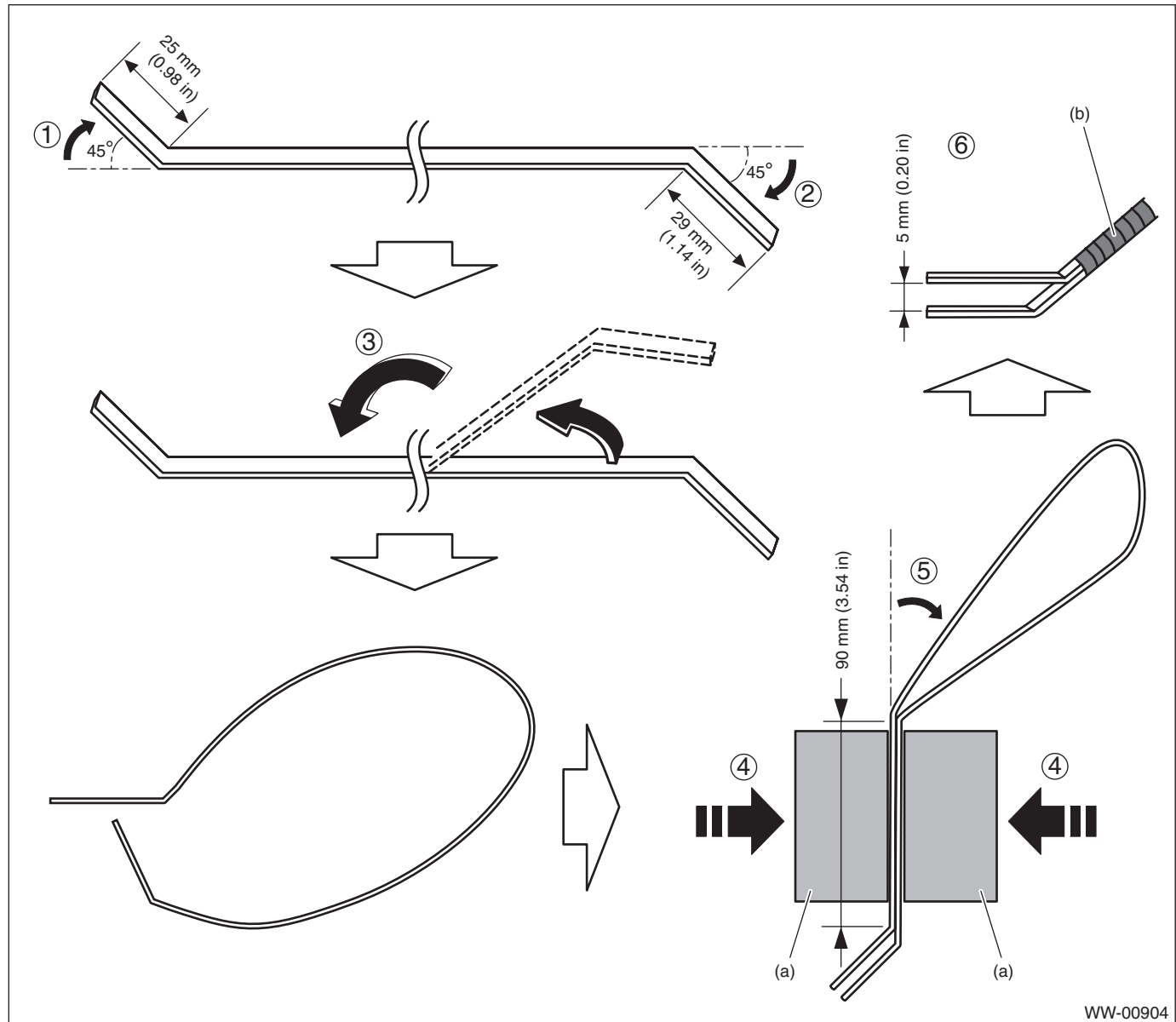
Referring to the data described below, prepare the materials to make a nozzle - windshield washer adjustment tool.



Materials

- Vertebra of wiper blade which is to be discarded
- Vinyl tape

Steps of making a front washer nozzle adjustment tool



WW-00904

1. Bend the vertebra at the position 25 mm (0.98 in) away from its end by 45°.
2. Bend the vertebra at the position 29 mm (1.14 in) away from the other end by 45°.
3. Double up the vertebra so that the longer end (29 mm (1.14 in)) comes upward.
4. Secure the vertebra with a vise (a) so that the tip clearance becomes 5 mm (0.20 in).
5. Bend the vertebra at the position approximately 90 mm (3.54 in) away from the bending point for the longer end.
6. Check that the tip clearance is 5 mm (0.20 in), and secure the vertebra with vinyl tape (b).