

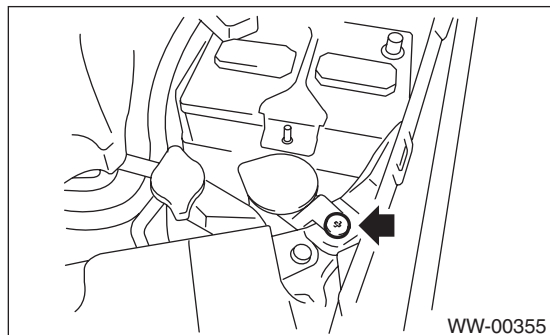
# Washer Tank and Motor

## WIPER AND WASHER SYSTEMS

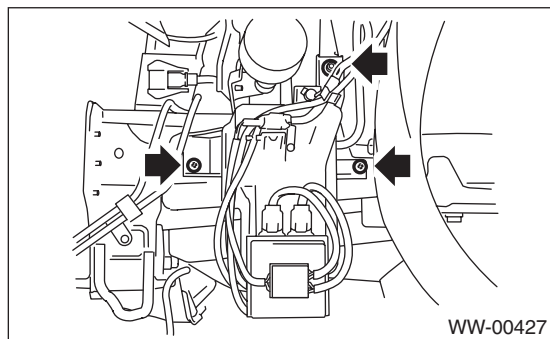
### 5. Washer Tank and Motor

#### A: REMOVAL

- 1) Open the front hood.
- 2) Disconnect the ground cable from the battery.
- 3) Remove the front bumper. <Ref. to EI-21, REMOVAL, Front Bumper.>
- 4) Remove the clip holding washer water supply tap.



- 5) Remove the two bolts and one nut, hose, connector and washer motor cover, and then remove the washer tank.



#### B: INSTALLATION

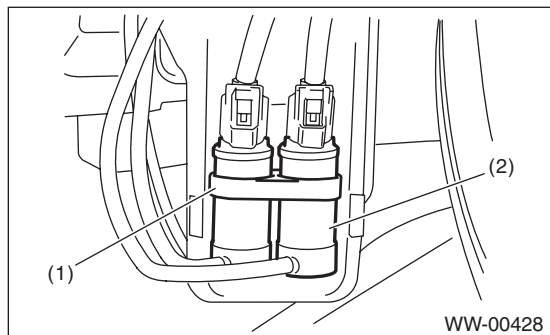
Install in the reverse order of removal.

#### Tightening torque:

**6.0 N·m (0.61 kgf-m, 4.4 ft-lb)**

#### C: DISASSEMBLY

- 1) Slide the washer motor holder upward to remove it.
- 2) Slide the washer motor holder (1) upward to remove it.
- 3) Pull out the washer motor (2) from the tank.



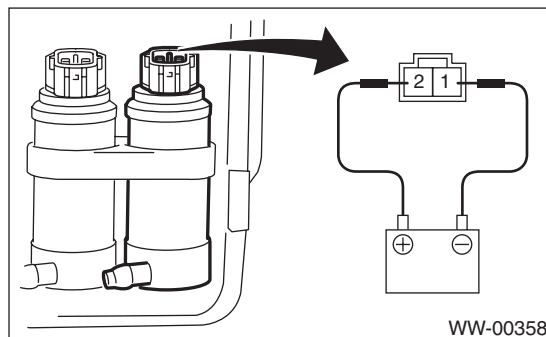
#### D: ASSEMBLY

- 1) Assemble in the reverse order of disassembly.
- 2) Confirm that water does not leak from installation area of motor.

#### E: INSPECTION

##### 1. WASHER MOTOR

Apply battery voltage to the connector terminal of the washer motor and make sure the motor operates.



##### 2. WASHER FLUID LEVEL SENSOR

- 1) Check the connection status of washer fluid level sensor connector.
- 2) Does the low washer fluid warning light illuminate after draining the washer fluid? And does the low washer fluid warning light go off after refilling the washer fluid?

- **Yes** → Normal operation.

- **No** → Perform step 3.

- 3) Using a tester, measure the voltage of the washer fluid level sensor connector.

- (1) Is the voltage approx. 8.5 V or more?

- **Yes** → Perform step 4.

- **No** → Check harness, meter and integrated unit, and replace if necessary.

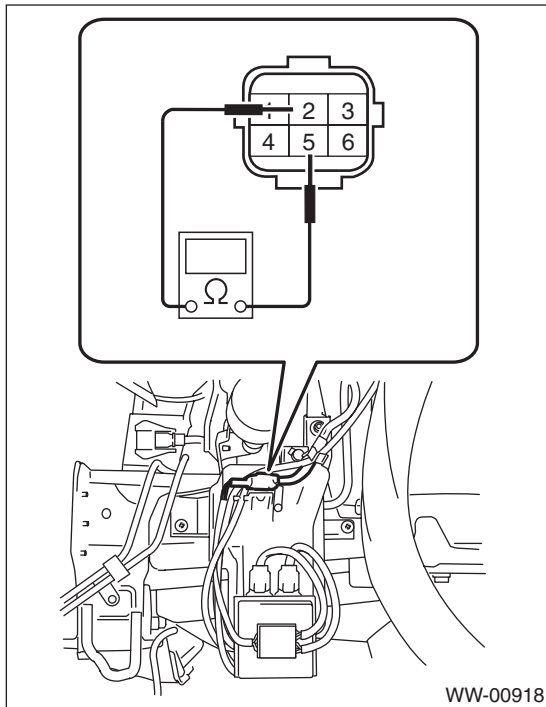
- 4) Does the meter indicator illuminate if you short the washer fluid level sensor connector?

- **Yes** → Perform step 5.

- **No** → Check meter and integrated unit, and replace if necessary.

5) Using a tester, measure the resistance of the washer fluid level sensor.

- (1) Turn over the mud guard.
- (2) Measure the resistance of the washer fluid level sensor.



Terminal No.	Amount of washer fluid in the tank	Standard
2 and 5	No remaining quantity (ON)	Less than 10 $\Omega$
	There is remaining quantity (OFF)	1 M $\Omega$ or more

6) When measurement value is different from the specification, replace the washer fluid level sensor along with the washer tank.