

## 8. Front Wiper Motor and Link

### A: REMOVAL

- 1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For models other than STI model, disconnect the ground terminal from battery sensor.

- 2) Remove the arm assembly - windshield wiper. <Ref. to WW-19, REMOVAL, Front Wiper Arm.>

- 3) Remove the cowl panel - side and the cowl panel assembly. <Ref. to EI-45, REMOVAL, Cowl Panel.>

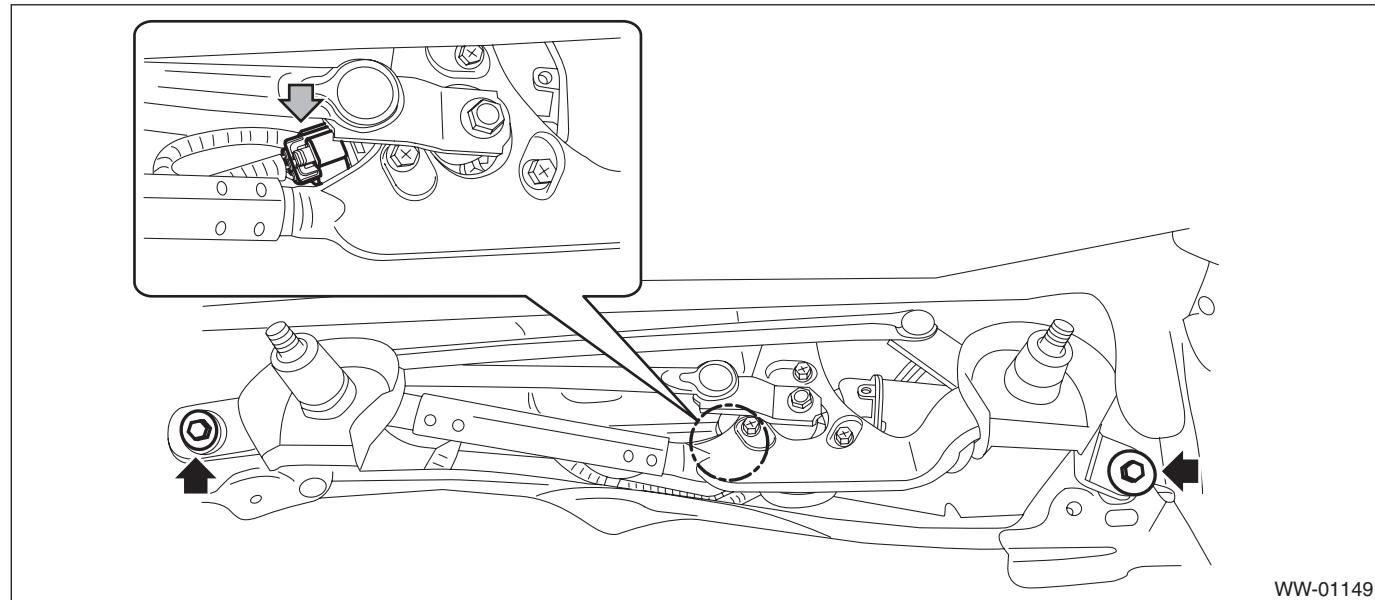
**CAUTION:**

**Before removing the cowl panel, use an air blower and nylon brush to sweep gravel from the lower area of the front side of the glass.**

- 4) Remove the link assembly - windshield wiper.

(1) Disconnect the connector of the motor assembly - windshield wiper.

(2) Remove the bolts and harness clips, and remove the link assembly - windshield wiper.



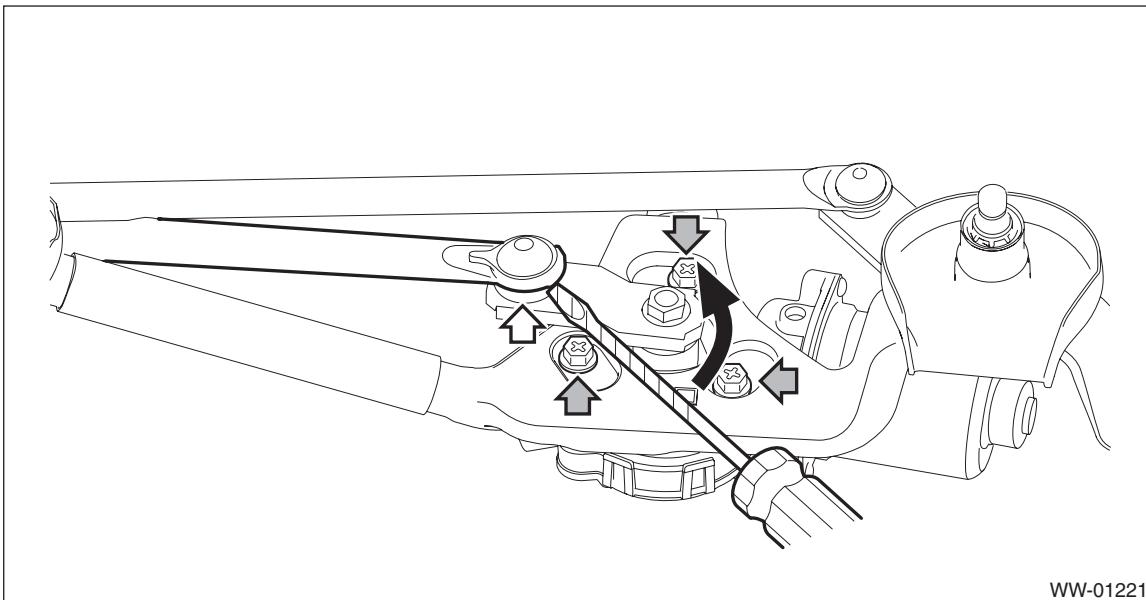
# Front Wiper Motor and Link

## WIPER AND WASHER SYSTEMS

5) Remove the motor assembly - windshield wiper.

(1) Using a flat tip screwdriver wrapped with protective tape, disconnect the link assembly - windshield wiper from the link plate.

(2) Remove the bolts, and remove the motor assembly - windshield wiper.



## B: INSTALLATION

### CAUTION:

Before installing the windshield glass and the cowl panel, make sure there is no gravel in the installing area.

1) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

### NOTE:

For models other than STI model, connect the ground terminal to battery sensor.

2) Check that the motor assembly - windshield wiper is at the auto stop position.

### CAUTION:

During motor operation, do not touch the movable part.

(1) Connect the harness of front wiper to the motor assembly - windshield wiper.

(2) Switch the wiper switch to ON/OFF once.

3) Disconnect the ground cable from battery again. <Ref. to NT-5, BATTERY, NOTE, Note.>

### NOTE:

For models other than STI model, disconnect the ground terminal from battery sensor.

4) Install the motor assembly - windshield wiper.

### *Tightening torque:*

**5.5 N·m (0.6 kgf·m, 4.1 ft-lb)**

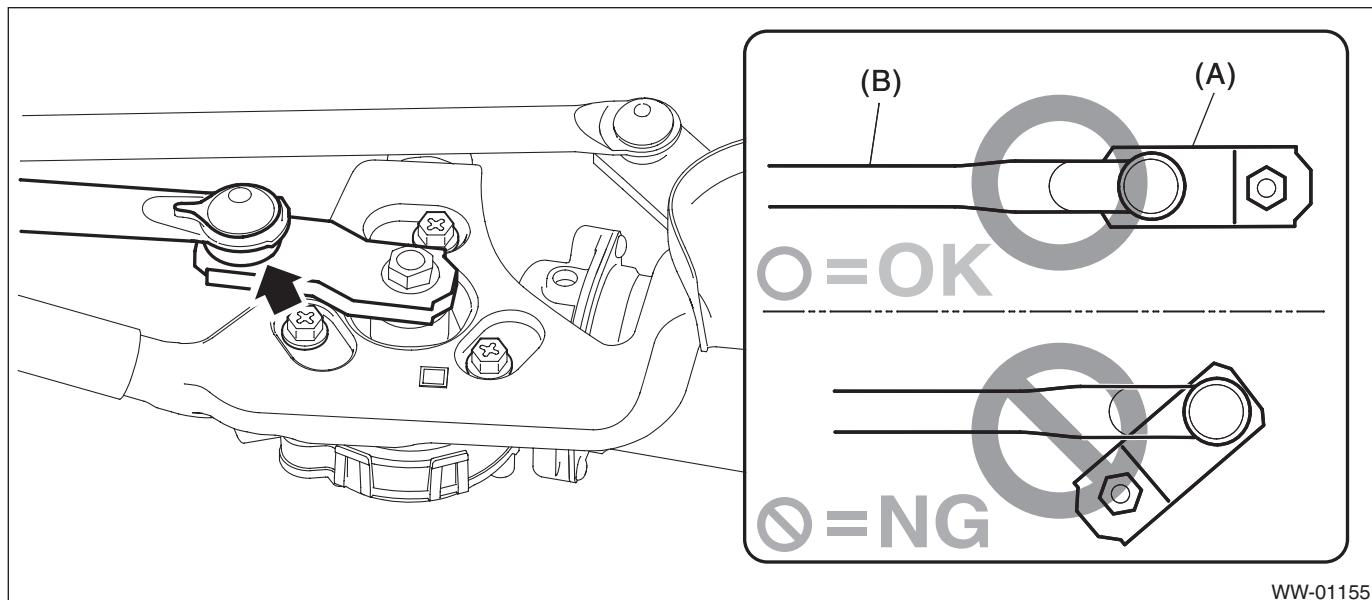
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5) Install the motor assembly - windshield wiper.

**CAUTION:**

Set the component where the rod (B) and link plate (A) are aligned in a straight line.



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6) Install the link assembly - windshield wiper.

**Tightening torque:**

**6 N·m (0.6 kgf·m, 4.4 ft-lb)**

7) Install the cowl panel - side and the cowl panel assembly. <Ref. to EI-46, INSTALLATION, Cowl Panel.>  
8) Remove the arm assembly - windshield wiper. <Ref. to WW-19, REMOVAL, Front Wiper Arm.>  
9) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

**NOTE:**

For models other than STI model, connect the ground terminal to battery sensor.

10) Check the position of windshield wiper. <Ref. to WW-20, ADJUSTMENT, Front Wiper Arm.>

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## WIPER AND WASHER SYSTEMS

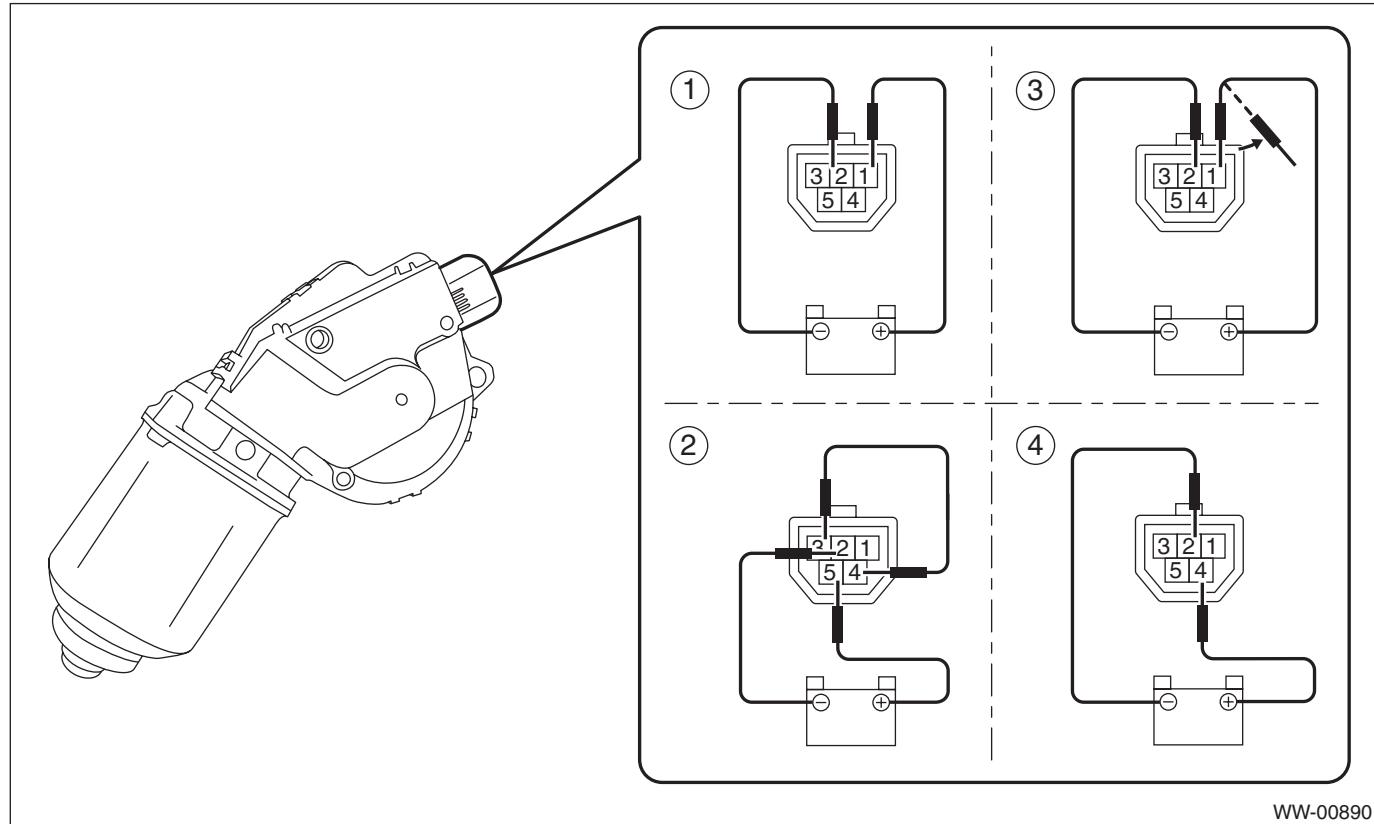
### C: INSPECTION

1) Check that the following operations perform normally.

#### CAUTION:

**Fix the motor to prevent the motor from being shorted by moving during operation.**

- (1) When the battery is connected to the terminal of connectors, confirm that the motor operates at low speed.
- (2) When the battery is connected to the terminal of connectors, confirm that the motor operates at high speed.
- (3) Connect the battery to terminals of the connector, and remove the terminal connection with motor rotating at low speed, and stop the motor assembly - windshield wiper in mid-operation.
- (4) Connect the battery and check that the motor stops at the automatic stop position after the motor operates at low speed again.



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#### NOTE:

Replace the motor assembly - windshield wiper if the inspection result is not within the standard value.

2) Install the motor assembly - windshield wiper. <Ref. to WW-22, INSTALLATION, Front Wiper Motor and Link.>