

# 09-19 WIPER/WASHER SYSTEM

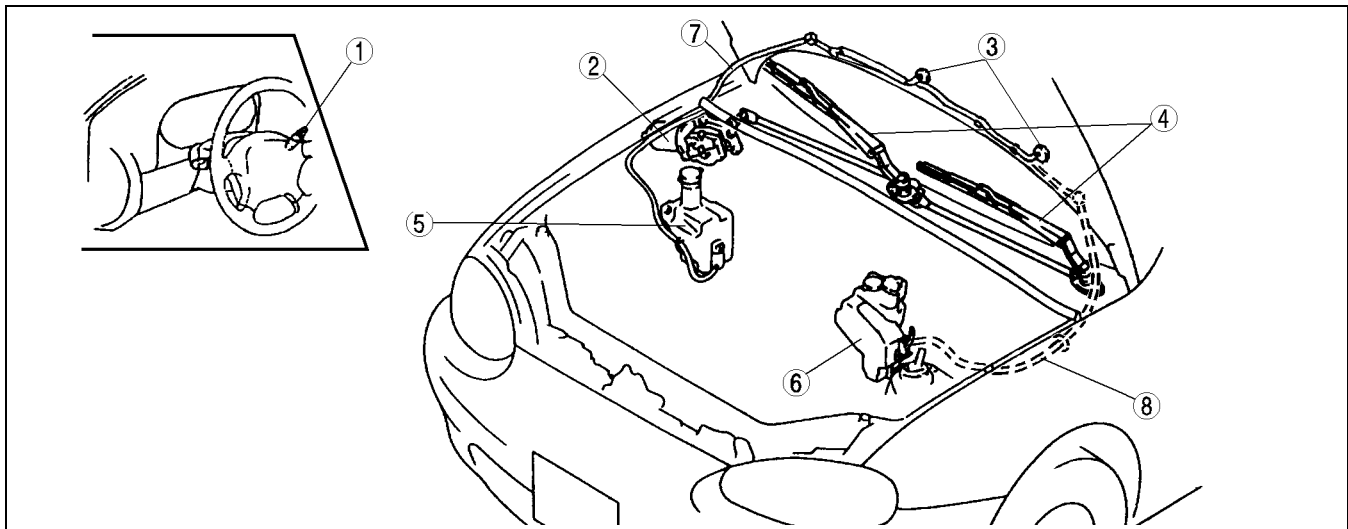
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## WIPER/WASHER SYSTEMS LOCATION INDEX

A5U091901063W01



Z5U919WA3

1	Windshield wiper and washer switch (See 09-18-9 Windshield Wiper and Washer Switch)
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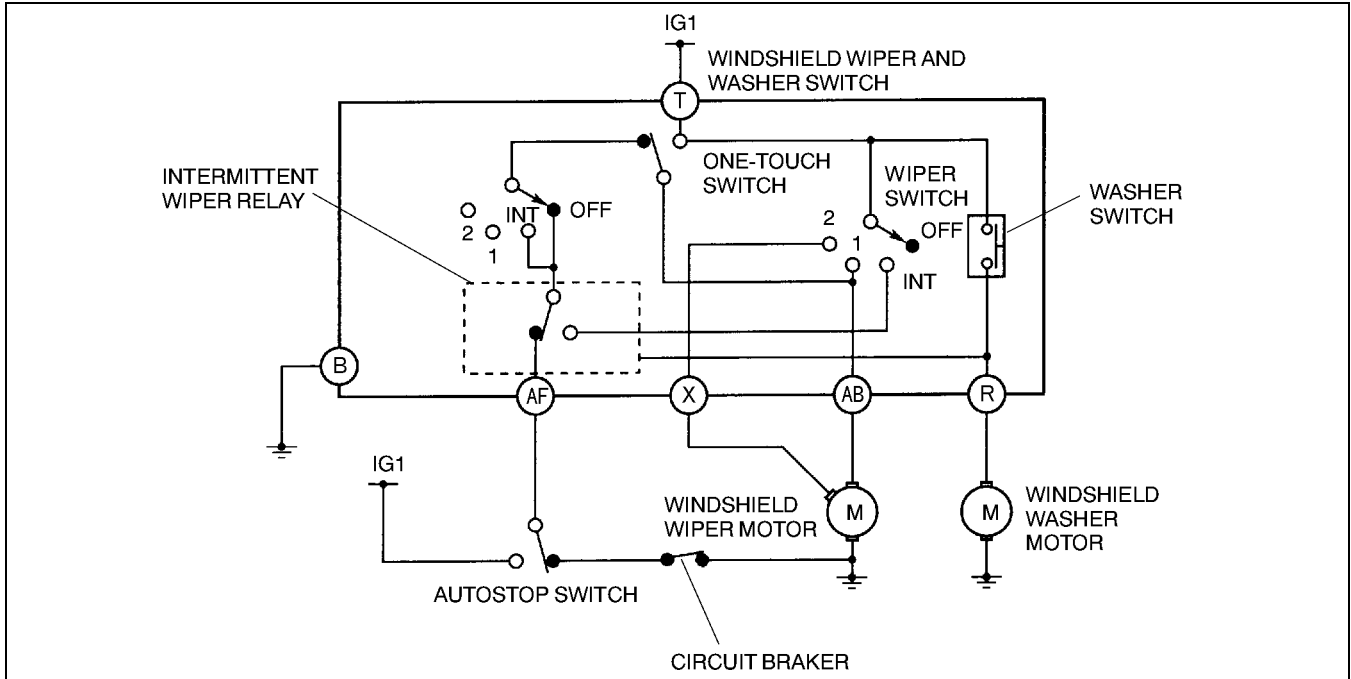
4	Windshield wiper arm and blade (See 09-19-2 WINDSHIELD WIPER ARM AND BLADE ADJUSTMENT) (See 09-19-2 WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION)
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09-19

# WIPER/WASHER SYSTEM

## WIPER/WASHER SYSTEM WIRING DIAGRAM

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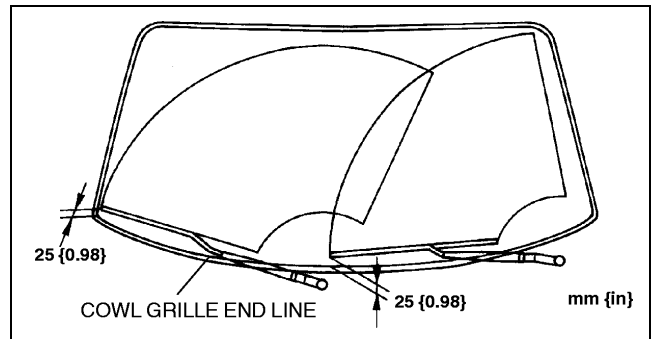


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## WINDSHIELD WIPER ARM AND BLADE ADJUSTMENT

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1. Operate the windshield wiper motor to set the windshield wipers in the park position.
2. Set the windshield wiper arm height as shown.



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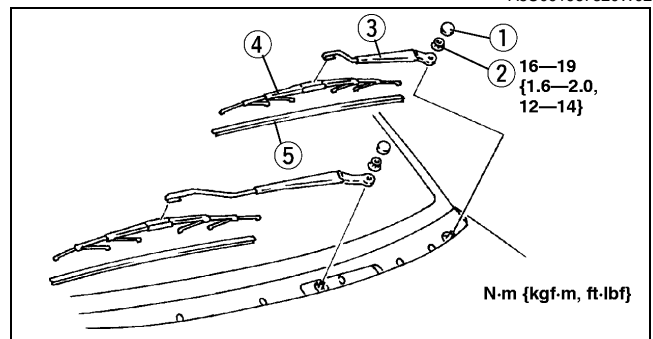
## WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION

A5U091967320W02

1. Remove in the order indicated in the table.

1	Cap
2	Nut
3	Windshield wiper arm (See 09-19-3 Windshield Wiper Arm Installation Note)
4	Windshield wiper blade
5	Rubber brush

2. Install in the reverse order of removal.
3. Adjust the windshield wiper arm and blade. (See 09-19-2 WINDSHIELD WIPER ARM AND BLADE ADJUSTMENT.)

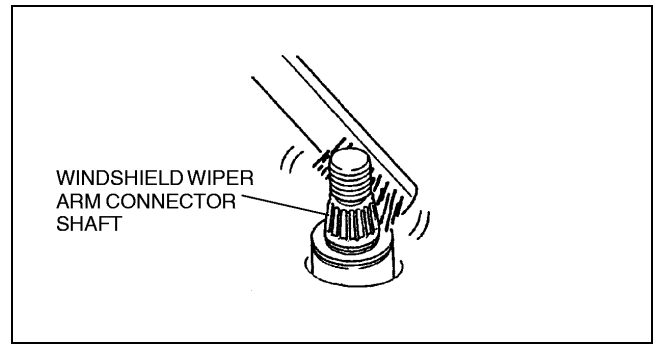


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# WIPER/WASHER SYSTEM

## Windshield Wiper Arm Installation Note

1. Clean the windshield wiper arm connector shafts using a wire brush before installing the windshield wiper arms.



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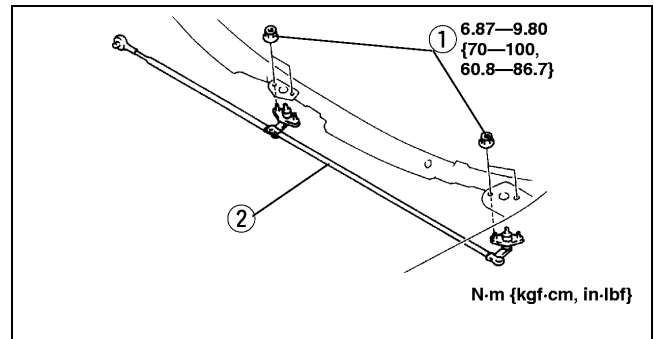
## WINDSHIELD WIPER LINK REMOVAL/INSTALLATION

A5U091967360W01

1. Remove the windshield wiper arm and blade. (See 09–19–3 Windshield Wiper Arm Installation Note.)
2. Remove the cowl grille.
3. Pry off the connection between the windshield wiper motor and the windshield wiper link.
4. Remove in the order indicated in the table.

1	Nut
2	Windshield wiper link

5. Install in the reverse order of removal.
6. Adjust the windshield wiper arm and blade. (See 09–19–2 WINDSHIELD WIPER ARM AND BLADE ADJUSTMENT.)



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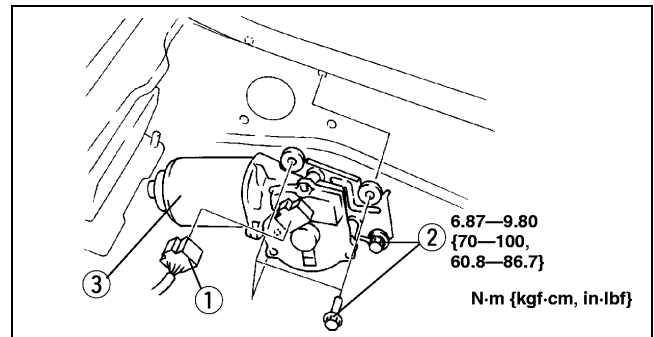
## WINDSHIELD WIPER MOTOR REMOVAL/INSTALLATION

A5U091967340W01

1. Disconnect the negative battery cable.
2. Pry off the connection between the windshield wiper motor and windshield wiper link.
3. Remove in the order indicated in the table.

1	Connector
2	Bolt
3	Windshield wiper motor (See 09–19–3 Windshield Wiper Motor Removal Note)

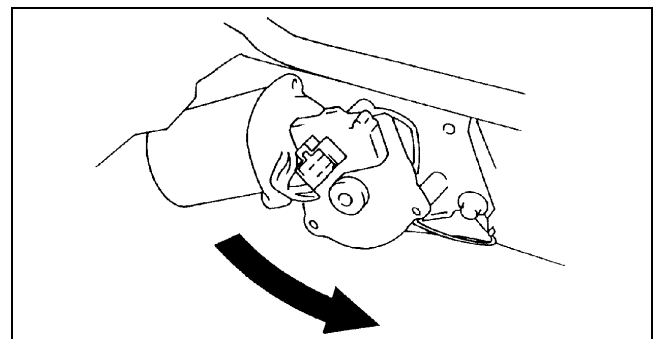
4. Install in the reverse order of removal.



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## Windshield Wiper Motor Removal Note

1. Rotate the windshield wiper motor counterclockwise and then remove it.



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# WIPER/WASHER SYSTEM

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## WINDSHIELD WIPER MOTOR INSPECTION

1. Disconnect the windshield wiper motor connector.
2. Apply B+ and inspect the operation of the windshield wiper motor as indicated below.

Terminal	Operation
A	High
C	Low

3. Connect the windshield wiper motor connector.
4. Turn the ignition switch to the ON position and turn the windshield wiper switch on.
5. Turn the ignition switch to the LOCK position while the windshield wipers are operating.
6. Verify that the windshield wipers do not stop in the park position.
7. Disconnect the windshield wiper motor connector.
8. Inspect for continuity between the windshield wiper motor terminals using an ohmmeter.

○—○ : Continuity

Windshield wiper motor position	Terminal				Body GND
	C	A	B	D	
Except park position	○—○	○—○	○—○	○—○	○—○

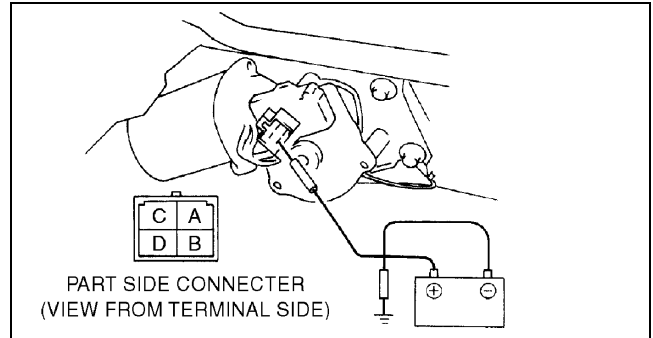
X5U919WA1

9. Connect the windshield wiper motor connector.
10. Turn the ignition switch to the ON position and turn the windshield wiper switch on.
11. Turn the windshield wiper switch off while the windshield wipers are operating.
12. Verify that the windshield wipers stop in the park position.
13. Disconnect the windshield wiper motor connector.
14. Inspect for continuity between the windshield wiper motor terminals using an ohmmeter.
  - If not as specified, replace the windshield wiper motor.

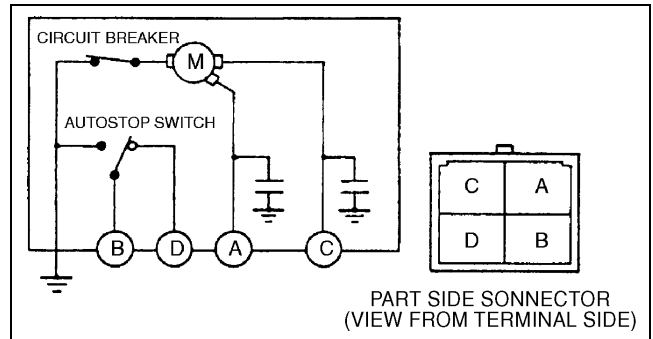
○—○ : Continuity

Windshield wiper motor position	Terminal			Body GND
	A	B	C	
Park position	○—○	○—○	○—○	○—○

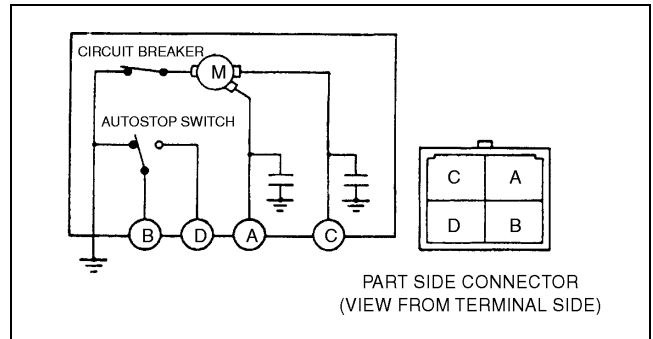
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Y5U919WA0



Y5U919WA1



Y5U919WA2

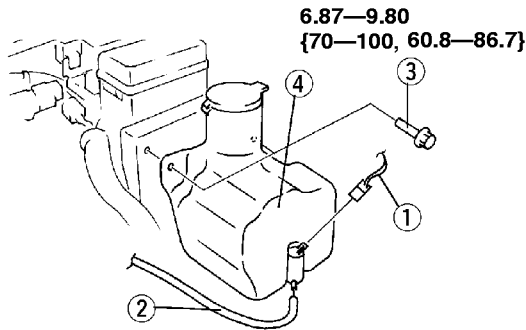
# WIPER/WASHER SYSTEM

## WINDSHIELD WASHER TANK REMOVAL/INSTALLATION

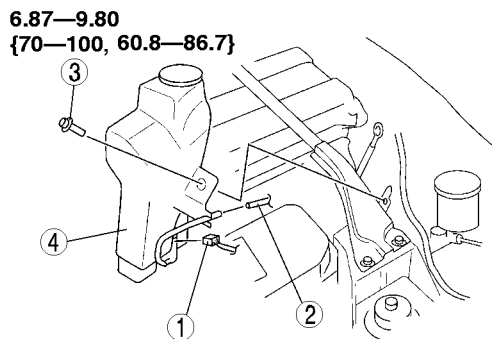
A5U091967480W01

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.

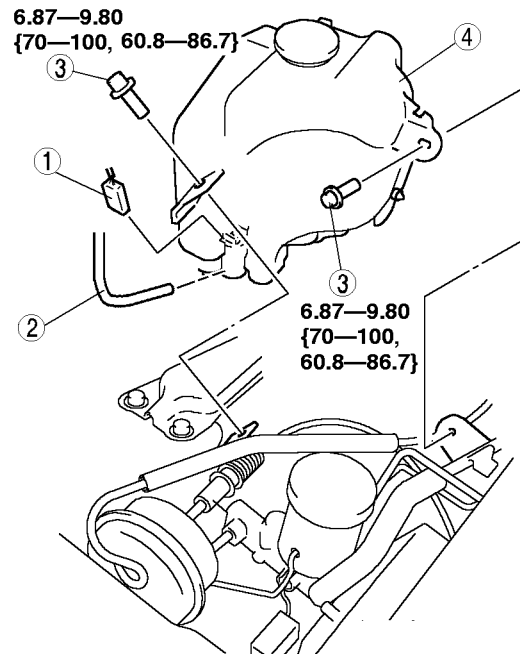
### EXCEPT CANADA: WITH ABS



### EXCEPT CANADA: WITHOUT ABS



### CANADA



N·m {kgf·cm, in·lbf}

Z5U0919W002

1	Connector
2	Windshield washer hose

3	Bolt
4	Windshield washer tank

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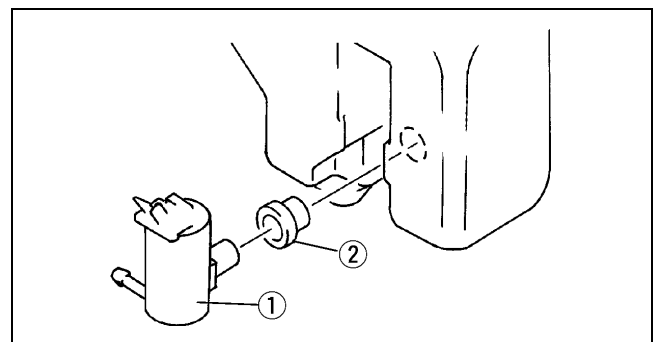
## WINDSHIELD WASHER MOTOR REMOVAL/INSTALLATION

A5U091976670W01

1. Disconnect the negative battery cable.
2. Remove the windshield washer tank.
3. Remove in the order indicated in the table.

1	Windshield washer motor
2	Grommet

4. Install in the reverse order of removal.



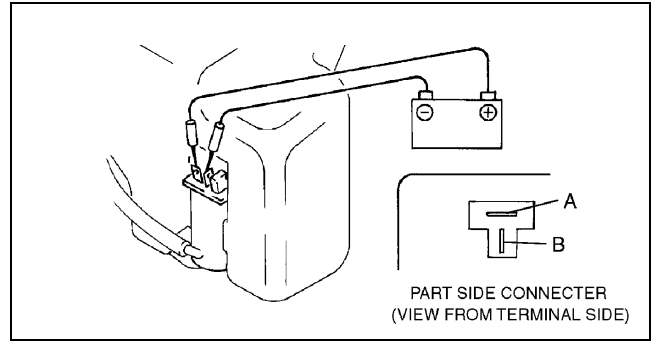
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## WIPER/WASHER SYSTEM

### WINDSHIELD WASHER MOTOR INSPECTION

A5U091976670W02

1. Disconnect the windshield washer motor connector.
2. Connect battery positive voltage to the motor terminal B and ground to the motor terminal A.
3. Verify that the windshield washer motor operates.
  - If the motor does not operate, replace the windshield washer motor.

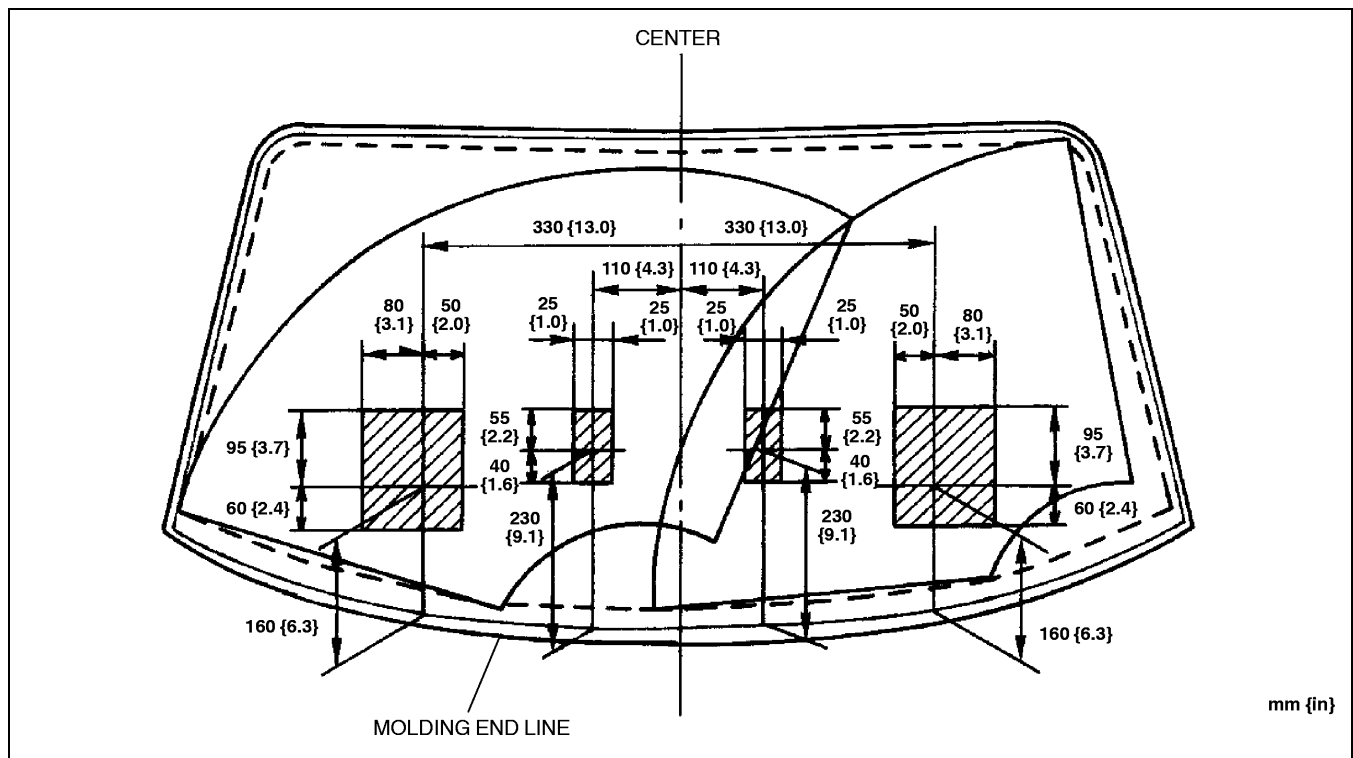


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### WINDSHIELD WASHER NOZZLE ADJUSTMENT

A5U091967510W01

1. Insert a needle or equivalent tool into the spray holes of the windshield washer nozzle and adjust the nozzle direction as shown.

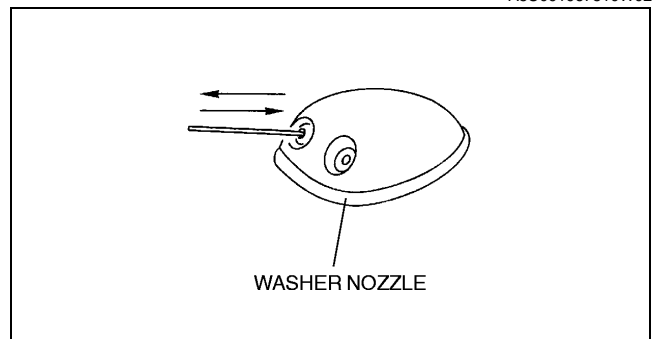


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### WINDSHIELD WASHER NOZZLE CLEANING

A5U091967510W02

1. Clean the washer nozzle by inserting and moving a needle or an equivalent tool back and forth.
  - If the nozzle becomes clogged again after cleaning, remove the hose from washer nozzle. Make sure there is enough washer fluid. Then turn the washer switch on and flush the inside of the hose.



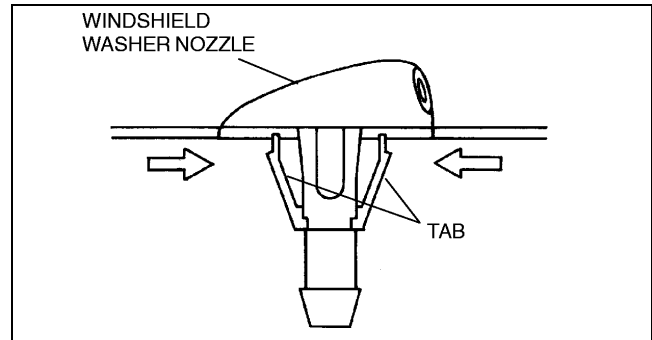
YMU919WB3

## WIPER/WASHER SYSTEM

### WINDSHIELD WASHER NOZZLE REMOVAL

A5U091967510W03

1. Disconnect the windshield washer hose from the windshield washer nozzle.
2. Remove the windshield washer nozzle by squeezing the tabs.



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### WINDSHIELD WASHER NOZZLE INSTALLATION

A5U091967510W04

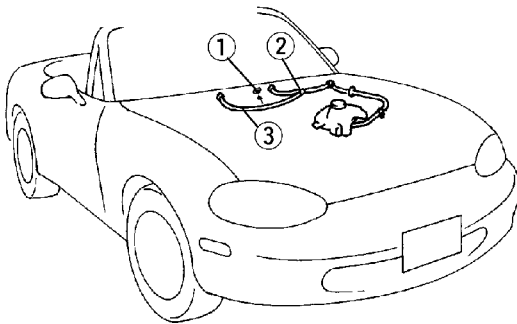
1. Connect the windshield washer hose to the windshield washer nozzle.
2. Push the windshield washer nozzle into the installation hole.
3. Adjust the windshield washer nozzle. (See 09–19–6 WINDSHIELD WASHER NOZZLE ADJUSTMENT.)

### WINDSHIELD WASHER HOSE REMOVAL/INSTALLATION

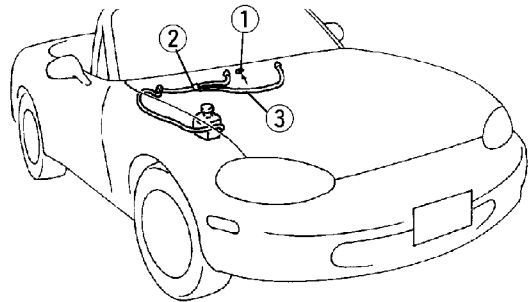
A5U091967500W01

1. Remove in the order indicated in the table.
2. Install in the reverse order of removal.

CANADA, EXCEPT CANADA: WITH ABS



EXCEPT CANADA: WITHOUT ABS



Z5U0919W003

1	Clip
2	Joint pipe

3	Windshield washer hose
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