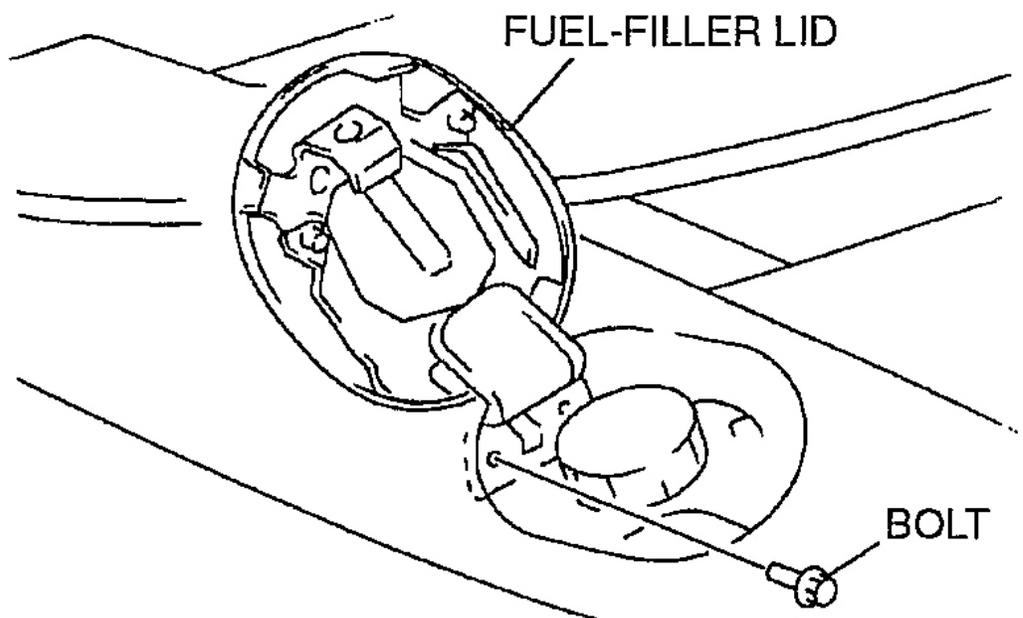


2005 ACCESSORIES & EQUIPMENT

Body Panels - MX-5 Miata

FUEL-FILLER LID REMOVAL/INSTALLATION

1. Remove the bolts, then remove the fuel-filler lid.



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Fig. 1: Removing Fuel-Filler Lid
Courtesy of MAZDA MOTORS CORP.

2. Install in the reverse order of removal.
3. Adjust the fuel-filler lid. (See **FUEL-FILLER LID ADJUSTMENT**.)

FUEL-FILLER LID ADJUSTMENT

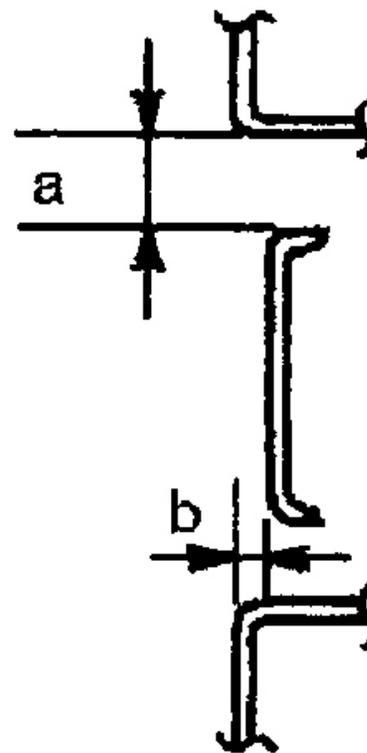
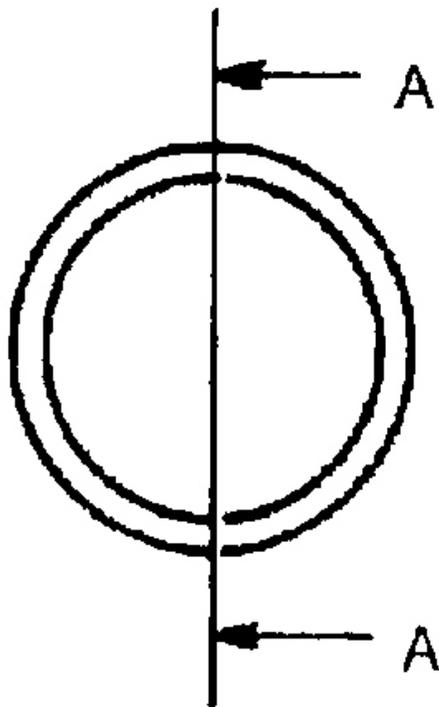
1. Measure the gap and height between the fuel-filler lid and the body panel.
 - If not as specified, loosen the fuel-filler lid installation bolts and reposition the fuel-filler lid.

Clearance

a:2.5-4.5 mm {0.10-0.17 in}

b:-1.0-1.0 mm {-0.03-0.03 in}

2. Tighten the bolts.



SEC. A-A

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Fig. 2: Adjusting Fuel Filler Lid
Courtesy of MAZDA MOTORS CORP.

HOOD REMOVAL/INSTALLATION

WARNING:

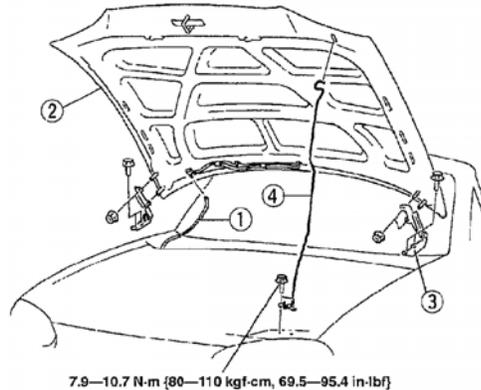
- The hood may fall and injure you. Always perform these procedures together with at least another person.

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2005 ACCESSORIES & EQUIPMENT Body Panels - MX-5 Miata

1. To remove the hood hinge, remove the front fender panel. (See **FRONT FENDER PANEL REMOVAL/INSTALLATION.**)
2. Remove in the order indicated in the table.

1	Windshield washer hose
2	Hood
3	Hood hinge
4	Hood stay



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Fig. 3: Removing Hood - With Torque Specifications
Courtesy of MAZDA MOTORS CORP.

3. Install in the reverse order of removal.
4. Adjust the hood. (See **HOOD ADJUSTMENT.**)

HOOD ADJUSTMENT

1. Measure the gap and height between the hood and the body.
 - If not as specified, adjust the gap and height.

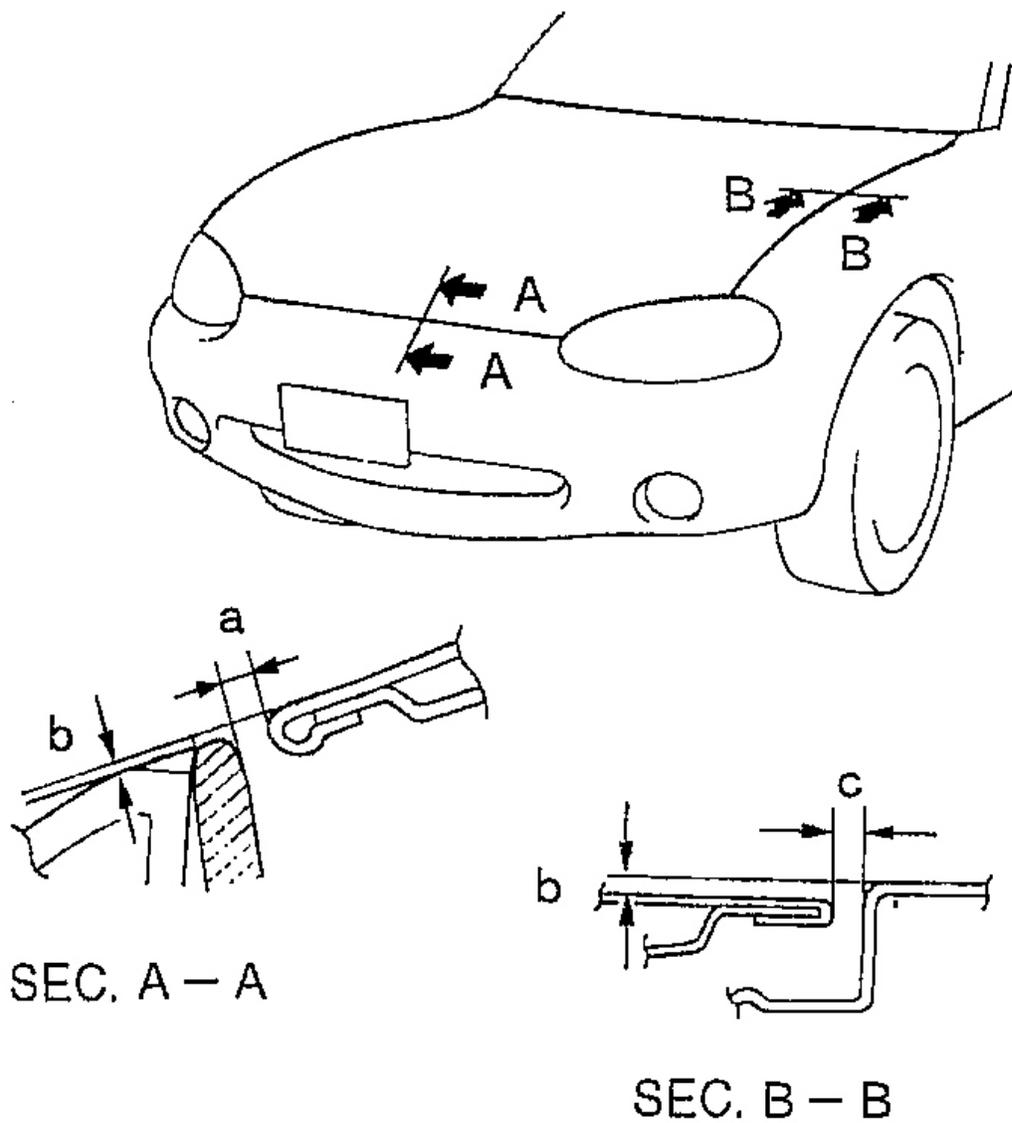
Clearance

a:4.1-7.1 mm {0.16-0.28 in}

b:-1.8-1.2 mm {-0.07-0.47 in}

c:3.3-5.7 mm {0.13-0.23 in}

2. Adjust the hood lock after the hood has been aligned.

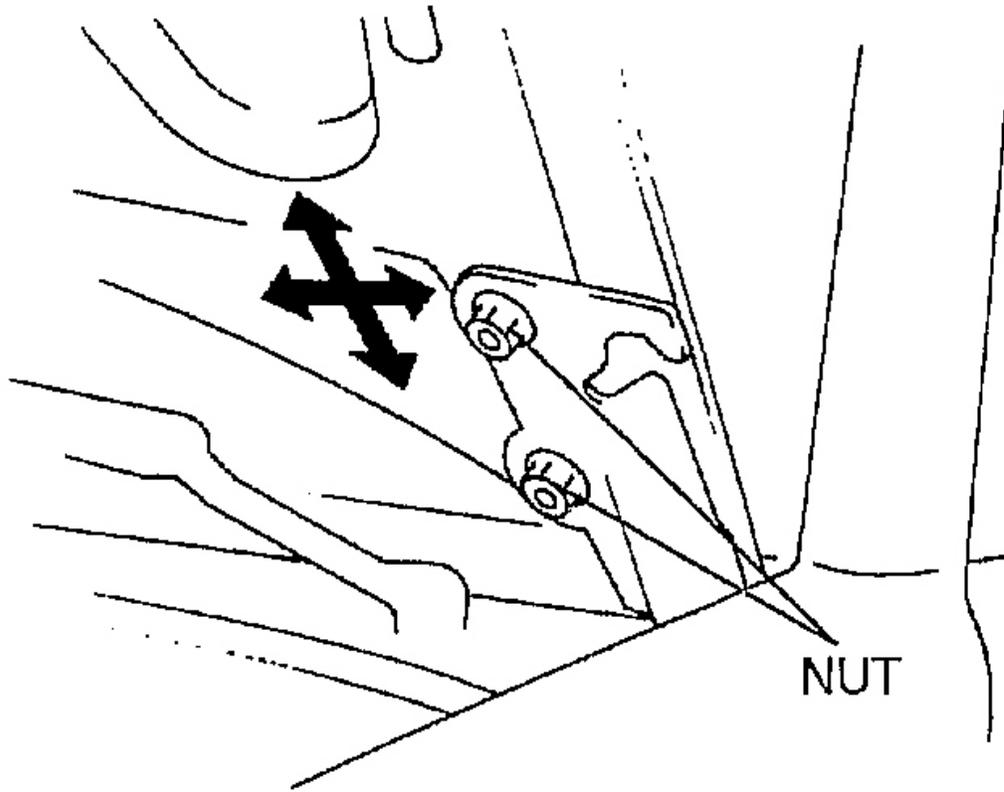


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Fig. 4: Adjusting Hood
Courtesy of MAZDA MOTORS CORP.

GAP ADJUSTMENT

1. Loosen the hood installation nuts and reposition the hood.
2. Tighten the nuts.



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Fig. 5: Adjusting Hood Gap
Courtesy of MAZDA MOTORS CORP.

HEIGHT ADJUSTMENT

1. Turn the stop rubber to adjust the height of the hood.

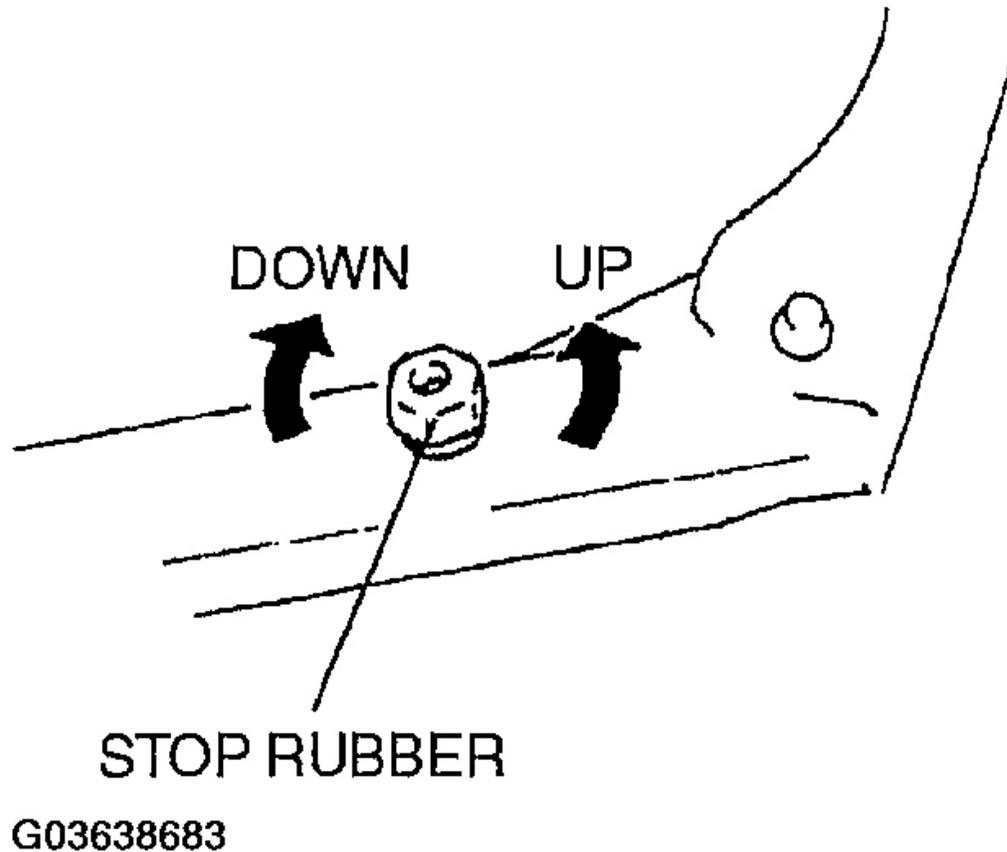


Fig. 6: Adjusting Hood Height
Courtesy of MAZDA MOTORS CORP.

TRUNK LID REMOVAL/INSTALLATION

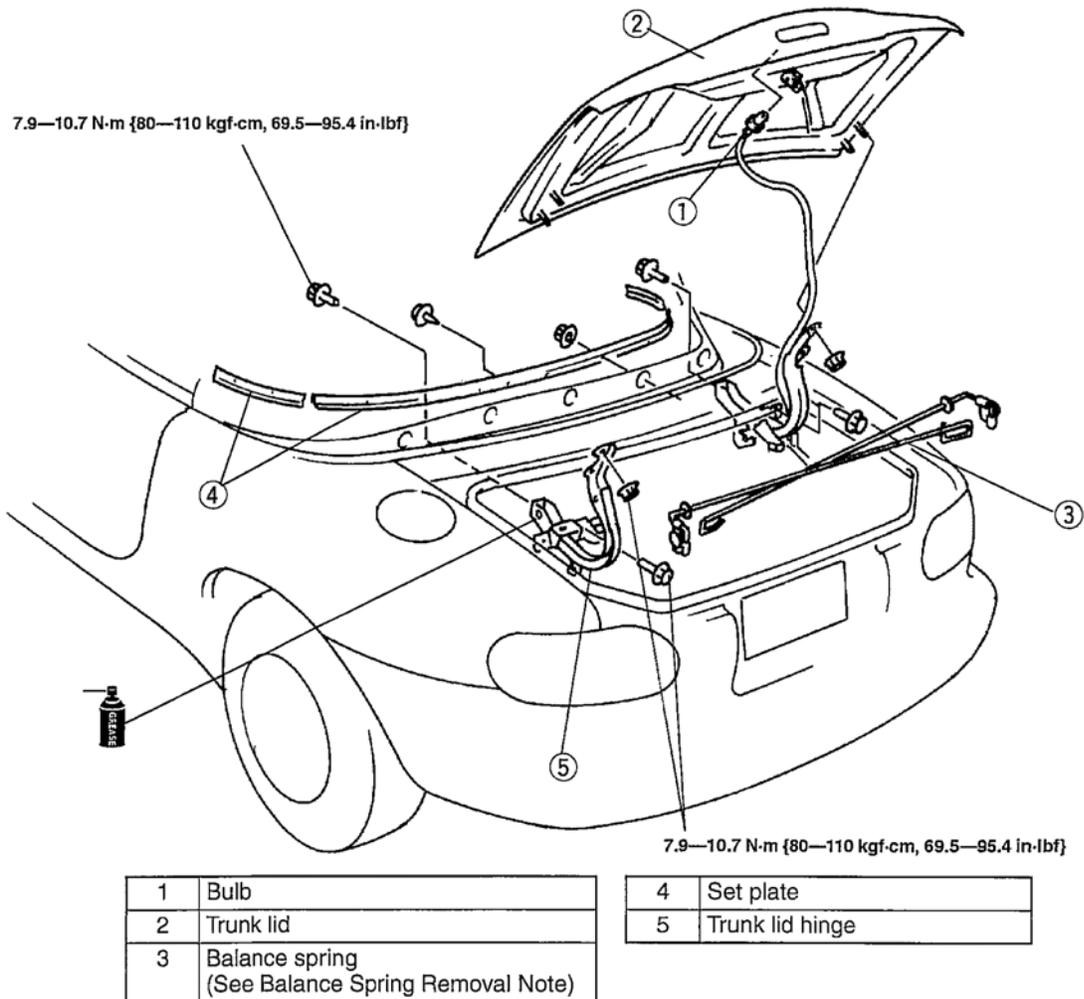
WARNING:

- Removing the balance spring without supporting the trunk lid can be dangerous. The trunk lid may fall and injure you. Open the trunk lid fully and support it before removing the balance spring. Perform these procedures together with another person.

1. Disconnect the negative battery cable.
2. Remove the rear package trim. (See **REAR PACKAGE TRIM REMOVAL/INSTALLATION** .)
3. Remove in the order indicated in the table.

2005 Mazda MX-5 Miata

2005 ACCESSORIES & EQUIPMENT Body Panels - MX-5 Miata



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Fig. 7: Removing Trunk Lid
Courtesy of MAZDA MOTORS CORP.

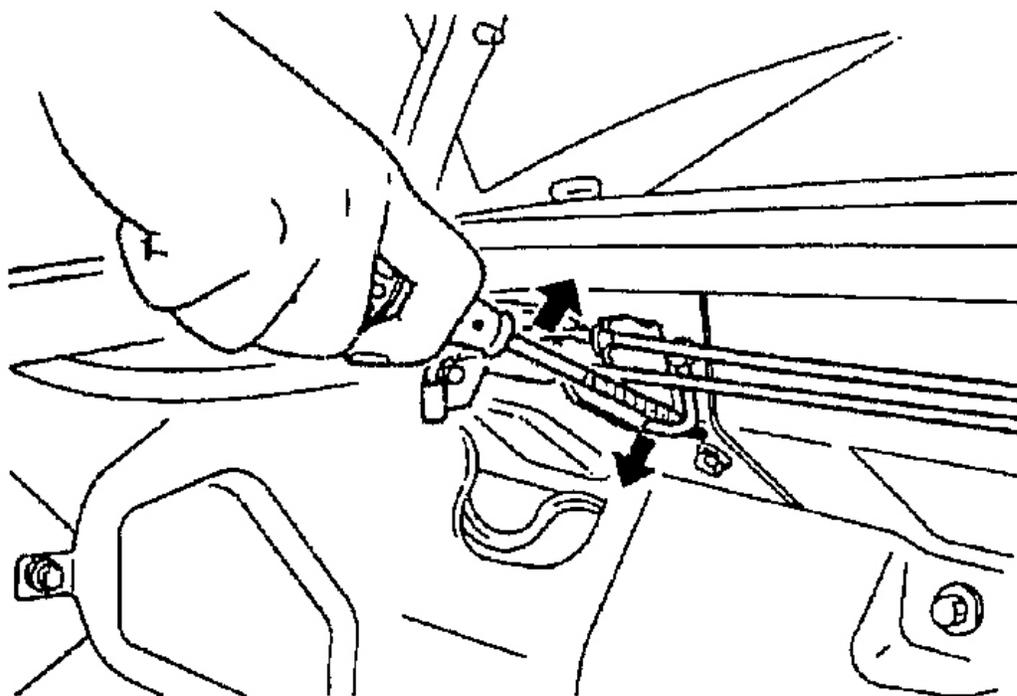
4. Install in the reverse order of removal.
5. Adjust the trunk lid. (See **TRUNK LID ADJUSTMENT.**)

BALANCE SPRING REMOVAL NOTE

NOTE:

- The balance springs are under high tension.

1. Carefully lift the balance spring using a tape-wrapped screwdriver.
2. Remove the balance spring.



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Fig. 8: Removing Balance Spring
Courtesy of MAZDA MOTORS CORP.

TRUNK LID ADJUSTMENT

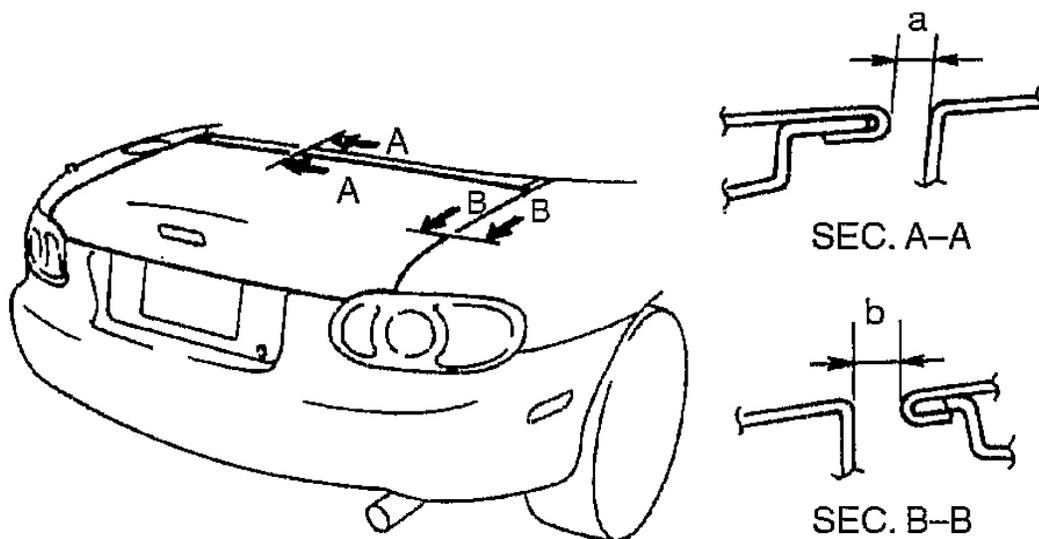
CLEARANCE

1. Measure the gap between the trunk lid and the body panel.
 - If not as specified, loosen the trunk lid installation nuts and reposition the trunk lid.

Clearance

a:3.5-6.5 mm {0.14-0.25 in}

b:3.8-6.2 mm {0.15-0.24 in}



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Fig. 9: Adjusting Trunk Lid
Courtesy of MAZDA MOTORS CORP.

2. Tighten the trunk lid installation nuts.

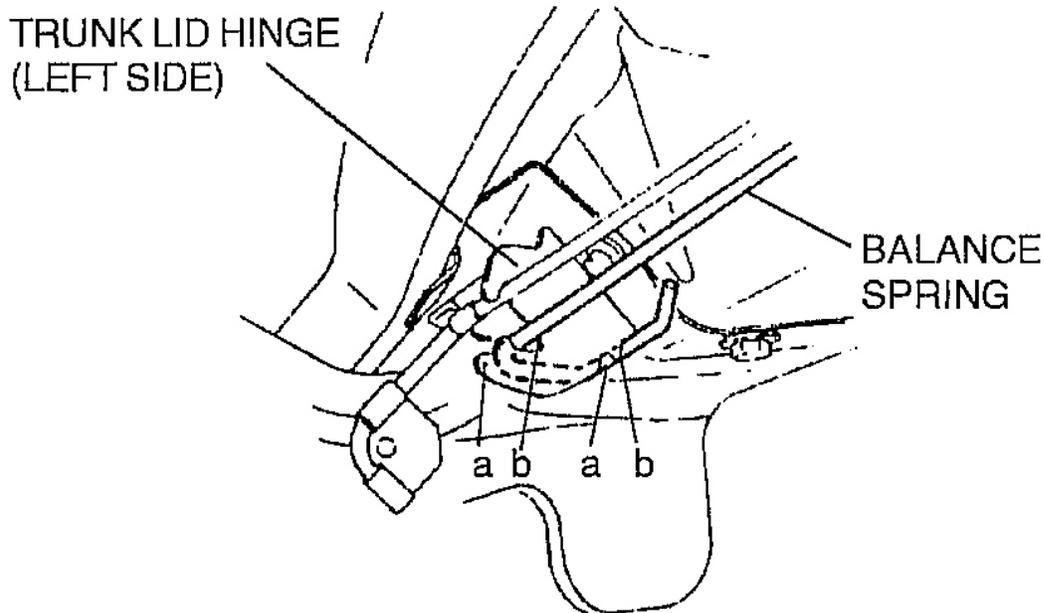
Tightening torque

7.9-10.7 N.m {80-110 kgf.cm, 69.5-95.4 in.lbf}

3. Adjust the trunk lid striker after the trunk lid has been aligned.

TENSION

1. Slide the balance spring to the desired position as described below using a tape-wrapped screwdriver.



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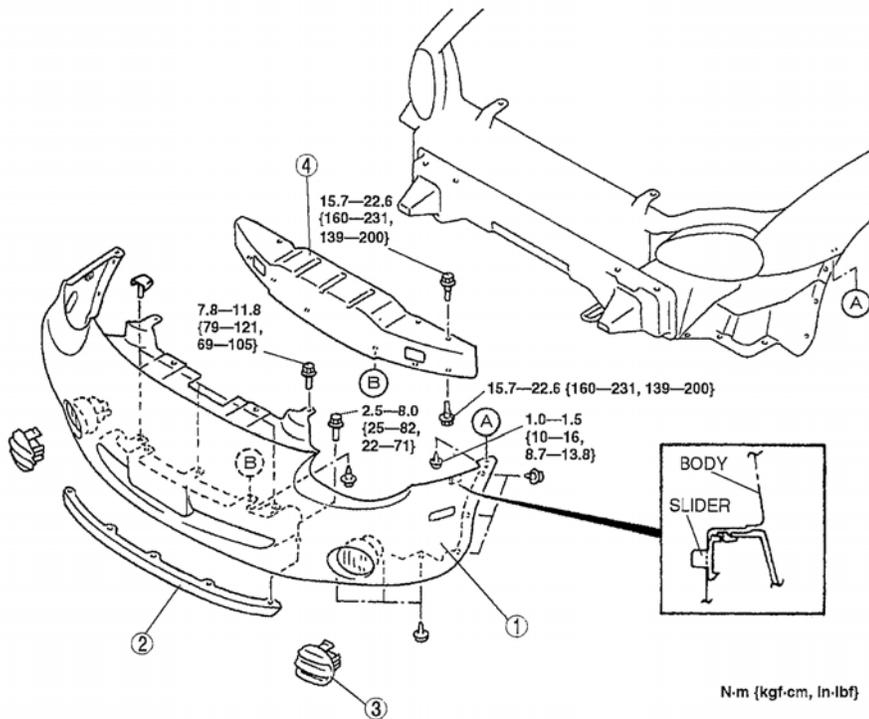
Fig. 10: Adjusting Tension
 Courtesy of MAZDA MOTORS CORP.

- NOTE:**
- The trunk lid should rise 50-300 mm {2.0-11.8 in} when the trunk lid is unlocked.

SET POSITIONS TENSION REFERENCE

Tension	Hook bracket	Set position	
		a	b
Standard	Right side	(1)	
	Left side		(1)
Increase	Right side	(1)	
	Left side	(1)	
Decrease	Right side		(1)
	Left side		(1)
(1) Position			

1. Disconnect the negative battery cable.
2. Disconnect the front fog light connector. (With front fog light)
3. Remove in the order indicated in the table.



N·m (kgf·cm, in·lbf)

1	Front bumper
2	Air dam skirt

3	Cover (Without front fog light)
4	Bumper reinforcement

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Fig. 11: Removing Front Bumper - With Torque Specifications
 Courtesy of MAZDA MOTORS CORP.

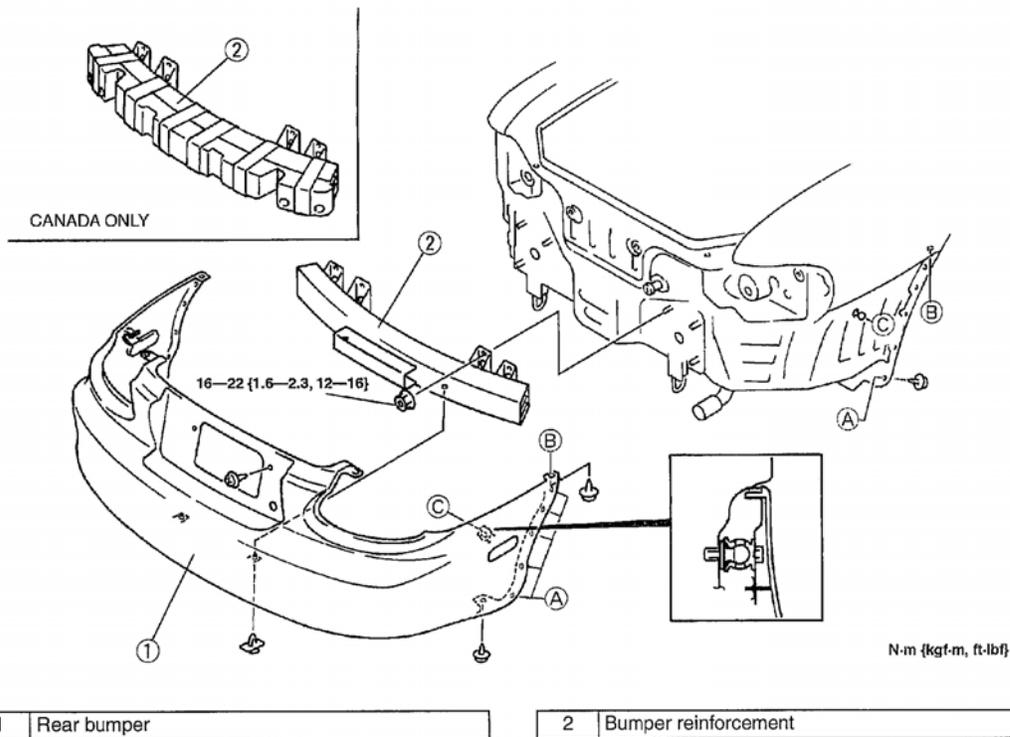
4. Install in the reverse order of removal.

REAR BUMPER REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the license plate.
3. Remove the rear combination light. (See **REAR COMBINATION LIGHT REMOVAL/INSTALLATION** .)
4. Remove in the order indicated in the table.

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Fig. 12: Removing Rear Bumper - With Torque Specifications
Courtesy of MAZDA MOTORS CORP.

5. Install in the reverse order of removal.

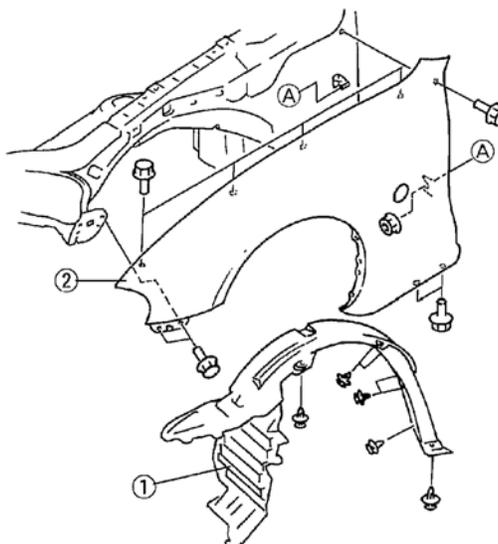
FRONT FENDER PANEL REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the front bumper. (See **FRONT BUMPER REMOVAL/INSTALLATION.**)
3. Remove the front side maker light.
4. Remove in the order indicated in the table.

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2005 ACCESSORIES & EQUIPMENT Body Panels - MX-5 Miata

1	Mud guard
2	Front fender panel



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Fig. 13: Removing Front Fender Panel
Courtesy of MAZDA MOTORS CORP.

5. Install in the reverse order of removal.