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2015 MAZDA MX-5 / Miata Roadster Coupe OEM Service and Repair Workshop Manual

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• If not as indicated in the table, replace the SST (49 H066 002) because it has a malfunction.

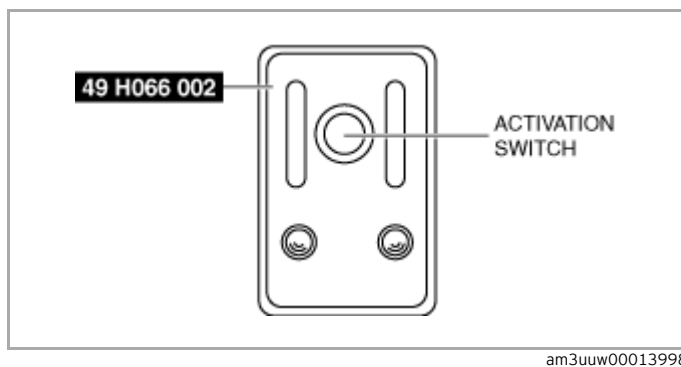
Warning

• Do not use a malfunctioning SST (49 H066 002), otherwise it could cause the air bag module or pre-tensioner seat belt to accidentally operate (deploy).

Caution

• Because the permissible voltage for the SST (49 H066 002) is 12 V, do not connect a 24 V power source because it will damage the SST. Always connect only a 12 V power source.

Step	Inspection procedure	Light condition	
		Green	Red
1	Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.	On	Off
2	Connect connectors A and B.	Off	On
3	Press the activation switch.	On	Off



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Warning

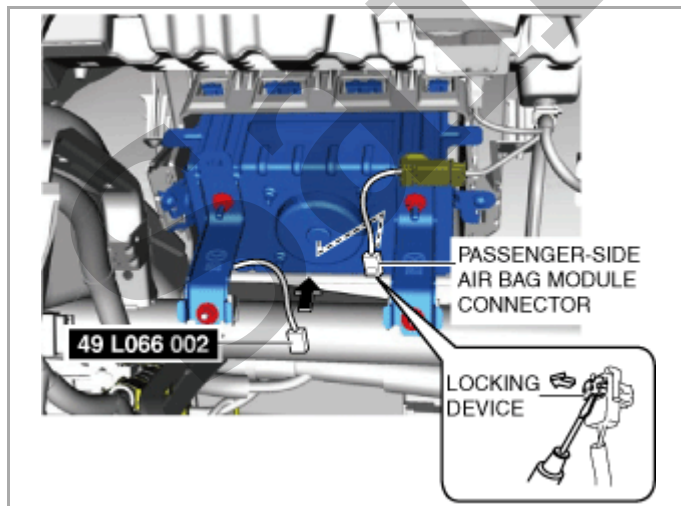
- The air bag module is very hot immediately after it is operated (deployed). You can get burned. Do not touch the air bag module for at least 15 min after deployment.

9. Disconnect the SST (Deployment tool) from the SST (Adapter harness).

Passenger-side air bag module

1. Remove the glove compartment. (See [GLOVE COMPARTMENT REMOVAL/INSTALLATION.](#))

2. Using a flathead screwdriver, lift the locking device carefully, however do not remove it.



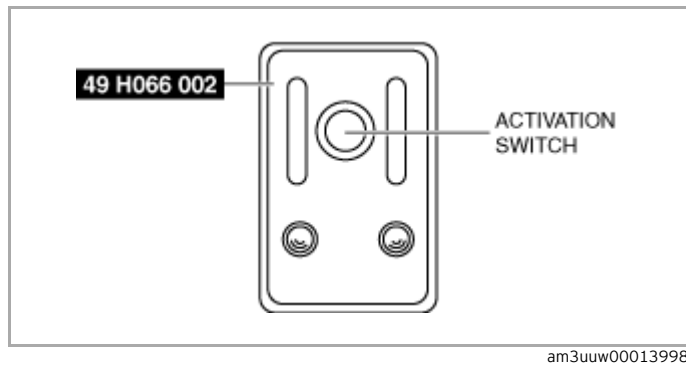
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3. Disconnect the passenger-side air bag module connector.

4. Connect the SST (Adapter harness) to the passenger-side air bag module.

5. Connect the SST (Deployment tool) to the SST (Adapter harness).

7. Press the activation switch on the SST (Deployment tool) to operate (deploy) the side air bag module.



Warning

- The air bag module is very hot immediately after it is operated (deployed). You can be burned. Do not touch the air bag module for at least 15 min after deployment.

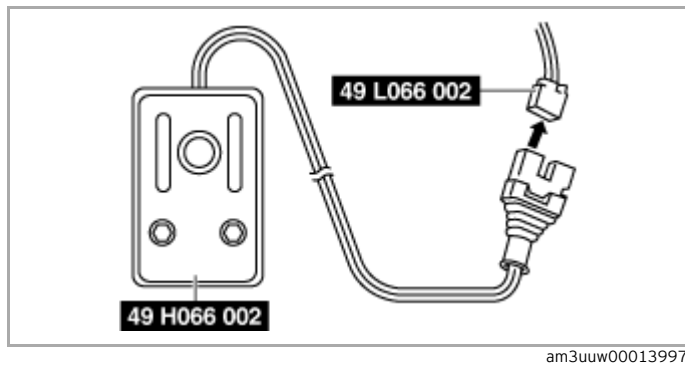
8. Disconnect the SST (Deployment tool) from the SST (Adapter harness).

Curtain air bag module

1. Remove the following parts:

- (1) Sunroof seaming welt (with sunroof system) (See [SUNROOF UNIT REMOVAL/INSTALLATION.](#))
- (2) A-pillar trim (See [A-PILLAR TRIM REMOVAL/INSTALLATION.](#))
- (3) Front map light (See [FRONT MAP LIGHT REMOVAL/INSTALLATION.](#))
- (4) Sunvisor (See [SUNVISOR REMOVAL/INSTALLATION.](#))
- (5) Lower decoration panel (See [DECORATION PANEL REMOVAL/INSTALLATION.](#))
- (6) Front scuff plate (See [FRONT SCUFF PLATE REMOVAL/INSTALLATION.](#))
- (7) Passenger-side front side trim (See [FRONT SIDE TRIM REMOVAL/INSTALLATION.](#))
- (8) Glove compartment (See [GLOVE COMPARTMENT REMOVAL/INSTALLATION.](#))
- (9) Dashboard under cover (See [DASHBOARD UNDER COVER REMOVAL/INSTALLATION.](#))
- (10) Passenger-side lower panel (See [LOWER PANEL REMOVAL/INSTALLATION.](#))
- (11) Assist handle (See [ASSIST HANDLE REMOVAL/INSTALLATION.](#))
- (12) Rear scuff plate (See [REAR SCUFF PLATE REMOVAL/INSTALLATION.](#))
- (13) B-pillar lower trim (See [B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.](#))
- (14) Adjust anchor cover on the front seat belt (See [FRONT SEAT BELT REMOVAL/INSTALLATION.](#))
- (15) Upper anchor installation bolt on the front seat belt (See [FRONT SEAT BELT REMOVAL/INSTALLATION.](#))
- (16) B-pillar upper trim (See [B-PILLAR UPPER TRIM REMOVAL/INSTALLATION.](#))
- (17) Rear seat cushion (See [REAR SEAT CUSHION REMOVAL/INSTALLATION.](#))
- (18) Trunk board (See [TRUNK BOARD REMOVAL/INSTALLATION.](#))

5. Connect the SST (Deployment tool) to the SST (Adapter harness).

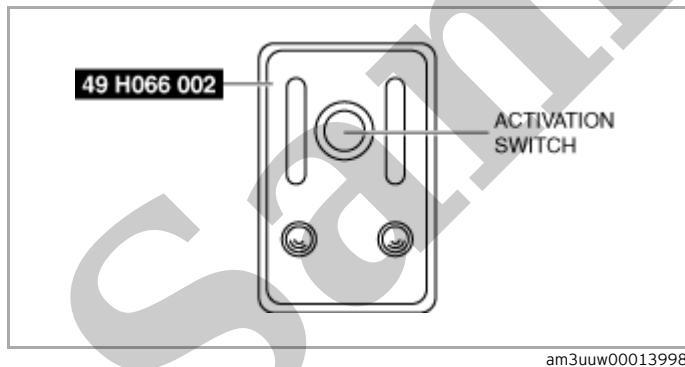


6. Connect the SST (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

7. Verify that the red lamp on the SST (Deployment tool) is illuminated.

8. Verify that all persons are standing at least 6 m (20 ft) away from the vehicle.

9. Press the activation switch on the SST (Deployment tool) to operate (deploy) the pre-tensioner seat belt.



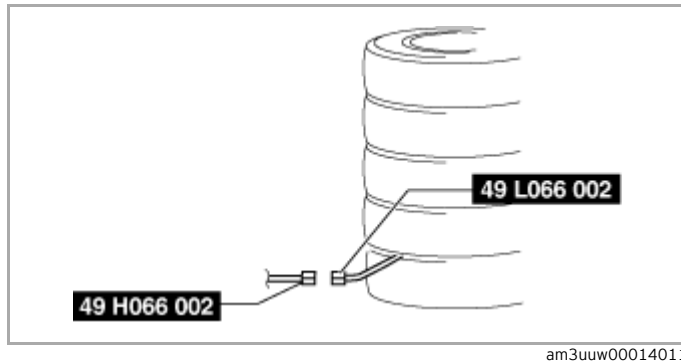
Warning

- The pre-tensioner seat belt is very hot immediately after it is operated (deployed). You can be burned. Do not touch the pre-tensioner seat belt for at least 15 min after deployment.

10. Disconnect the SST (Deployment tool) from the SST (Adapter harness).

Deployment Procedure for Outside of Vehicle

1. Inspect the SST (Deployment tool). (See **INSPECTION OF SST (DEPLOYMENT TOOL) [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.]**.)

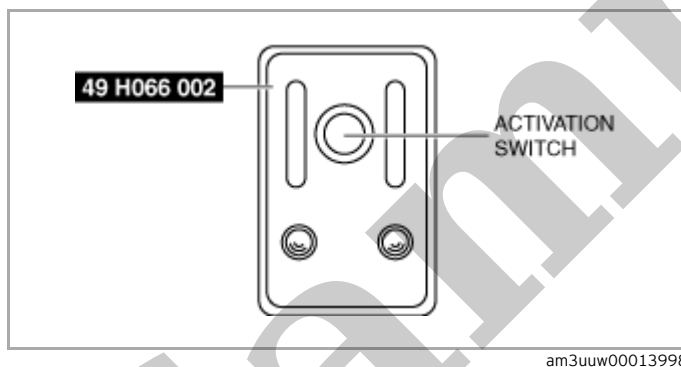


8. Connect the SST (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

9. Verify that the red lamp on the SST (Deployment tool) is illuminated.

10. Verify that all persons are standing at least 6 m (20 ft) away from the driver-side air bag module.

11. Press the activation switch on the SST (Deployment tool) to operate (deploy) the driver-side air bag module.



Warning

- The air bag module is very hot immediately after it is operated (deployed). You can be burned. Do not touch the air bag module for at least 15 min after deployment.

12. Disconnect the SST (Deployment tool) from the SST (Adapter harness).

Passenger-side air bag module

1. Remove the glove compartment. (See [GLOVE COMPARTMENT REMOVAL/INSTALLATION](#).)

2. Remove the passenger-side air bag module. (See [PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION \[STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.\]](#).)

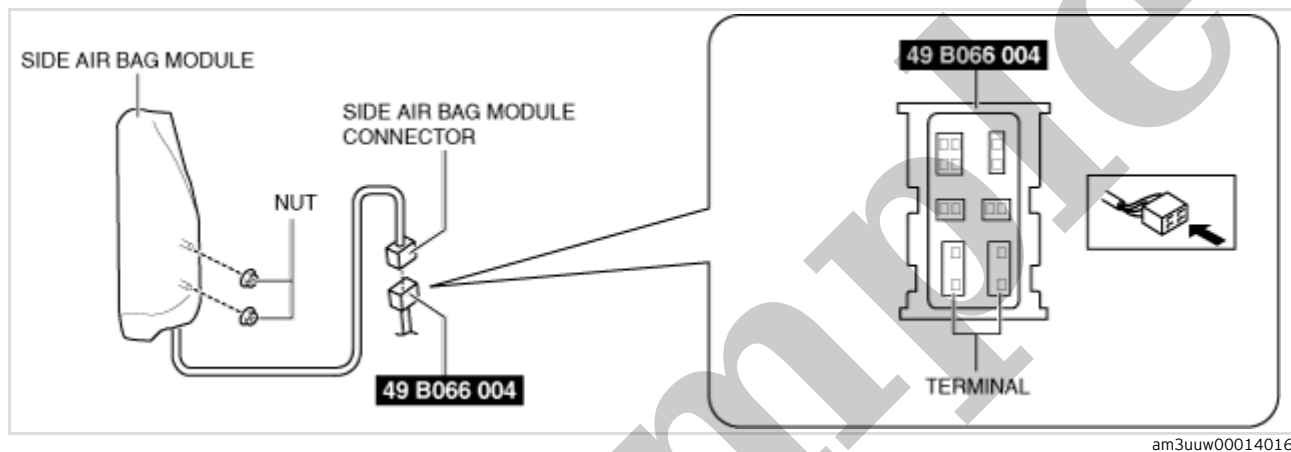
3. Connect the SST (Adapter harness) to the passenger-side air bag module.

Side air bag module

1.Remove the following parts:

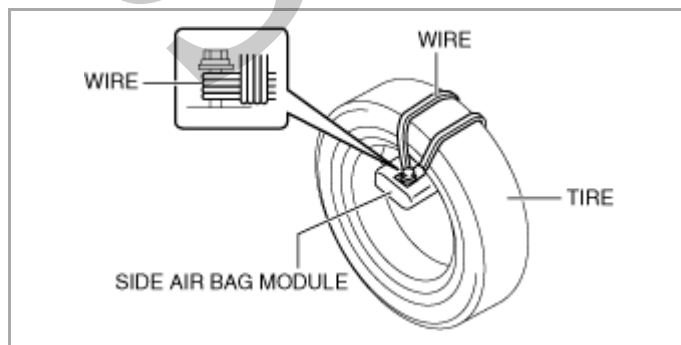
- (1)Front seat (See **FRONT SEAT REMOVAL/INSTALLATION.**)
- (2)Front seat back trim and pad (See **FRONT SEAT BACK TRIM REMOVAL/INSTALLATION.**)
- (3)Side air bag module (See **SIDE AIR BAG MODULE REMOVAL/INSTALLATION [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.]**.)

2.Install the nuts.



3.Connect the side air bag module connector to either one of the SST (adapter harness) terminals shown in the figure.

4.Put the side air bag module inside the tire and secure it to the tire by wrapping a wire (cross section of 1.25 mm^2 {0.002 in²} or more) through the tire and the bolt at least 4 times.



Warning

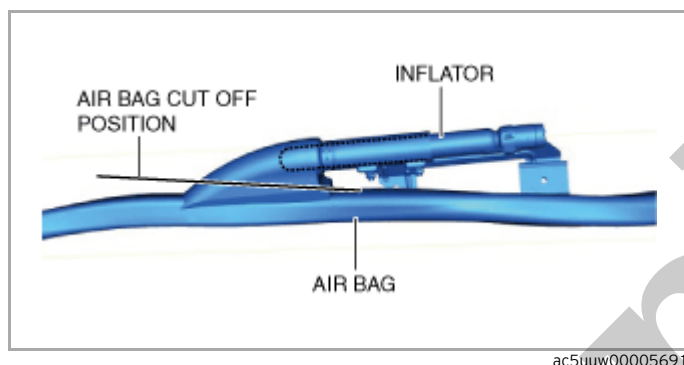
- If the air bag module is not properly secured to the tire, the tires may fall over by the impact of operation (deployment) and cause serious injury. To prevent this, secure the air bag module properly with the padded surface facing the center of the tire.

5.Stack the tire with the side air bag module on top of two tires without wheels. Stack a tire without a wheel on top of the tire with the side air bag module, and then stack another tire with a wheel on the very top.

- (21)Trunk end trim (See [TRUNK END TRIM REMOVAL/INSTALLATION.](#))
- (22)Trunk side trim (See [TRUNK SIDE TRIM REMOVAL/INSTALLATION.](#))
- (23)C-pillar trim (See [C-PILLAR TRIM REMOVAL/INSTALLATION.](#))
- (24)Head restraint
- (25)Headliner (See [HEADLINER REMOVAL/INSTALLATION.](#))

2.Remove the curtain air bag module. (See [CURTAIN AIR BAG MODULE REMOVAL/INSTALLATION \[STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.\]](#).)

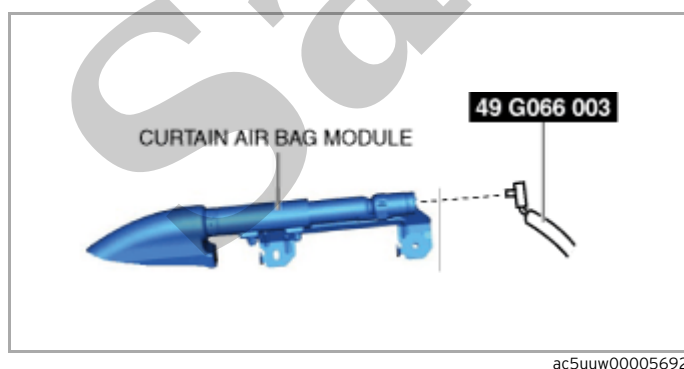
3.Cut off the air bag part of the curtain air bag module at the position shown in the figure.



Warning

- Never crush the pipe on the side where it is cut. If it is crushed completely, the interior pressure of the pipe will build up and can cause it to explode during air bag module operation (deployment).

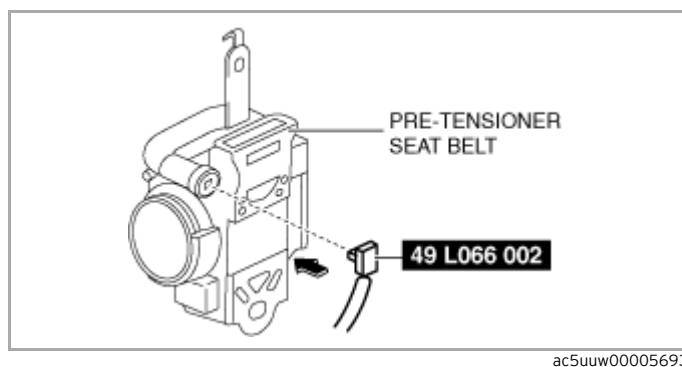
4.Connect the SST (Adapter harness) to the curtain air bag module.



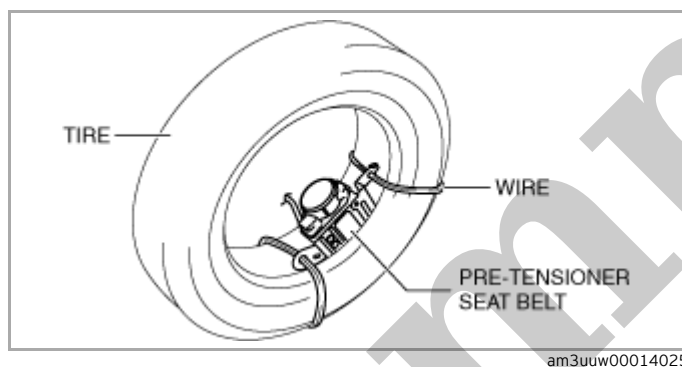
5.Secure the curtain air bag module to the tire, by wrapping a wire (cross section 1.25 mm^2 {0.002 in²} or more) through the tire and the bolt installation holes at least 4 times as shown in the figure.

2.Remove the front seat belt. (See **FRONT SEAT BELT REMOVAL/INSTALLATION.**)

3.Connect the SST (Adapter harness) to the pre-tensioner seat belt.



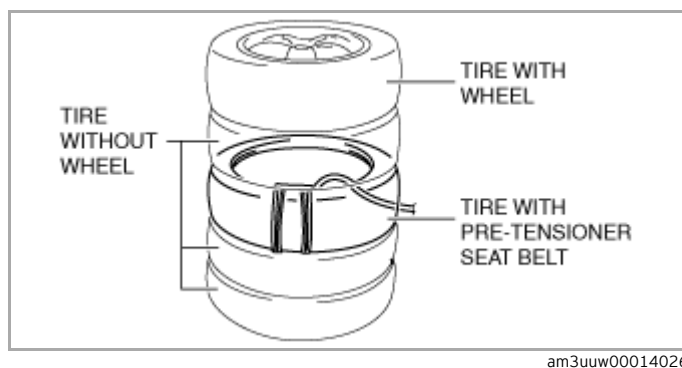
4.Put the pre-tensioner seat belt inside the tire and secure it to the tire by wrapping a wire (cross section of 1.25 mm² {0.002 in²} or more) through the tire and the bolt installation holes at least 4 times.



Warning

- If the pre-tensioner seat belt is not properly installed to the tire, serious injury may occur when the pre-tensioner part is operated (deployed). When installing the pre-tensioner seat belt to the tire, verify that the pre-tensioner part is inside the tire.

5.Stack the tire with the pre-tensioner seat belt on to of two tires without wheels. Stack a tire without a wheel on top of the tire with the pre-tensioner seat belt, and then stack another tire with a wheel on the very top.



6.Secure the tires with wire.

AIR BAG MODULE AND PRE-TENSIONER SEAT BELT DISPOSAL PROCEDURES [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.]

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Warning

- A live (undeployed) air bag module or pre-tensioner seat belt may accidentally operate (deploy) when it is disposed of and cause serious injury. Always refer to the "AIR BAG MODULE AND PRE-TENSIONER SEAT BELT DEPLOYMENT PROCEDURES" and dispose of air bag modules and pre-tensioner seat belts in a deployed condition. (See **AIR BAG MODULE AND PRE-TENSIONER SEAT BELT DEPLOYMENT PROCEDURES [STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.]**.)
- The air bag modules and the pre-tensioner seat belts are very hot immediately after they are deployed. You can be burned. Do not touch an air bag module and pre-tensioner seat belt for at least 15 min after deployment.
- Pouring water on the deployed air bag module and pre-tensioner seat belt is dangerous. The water will mix with the residual gases to form a gas that can make breathing difficult. Do not pour water on the deployed air bag module and pre-tensioner seat belt.
- The deployed air bag module or pre-tensioner seat belt may contain deposits of sodium hydroxide, a caustic byproduct of the gas-generated combustion. If this substance gets into your eyes or on your hands, it can cause irritation and itching. When handling the deployed air bag module and pre-tensioner seat belt, wear gloves and safety glasses.

1.Remove the deployed air bag module or pre-tensioner seat belt.

2.Put the air bag module or pre-tensioner seat belt in a plastic bag, seal the bag, and then dispose of it.



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