

AIR BAG MODULE AND PRE-TENSIONER SEAT BELT DEPLOYMENT PROCEDURES

id081000801100

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. Do not dispose of a live (undeployed) air bag module and pre-tensioner seat belt. If the SSTs (Deployment tool and Adapter harness) are not available, consult the nearest Mazda representative for assistance.

Caution

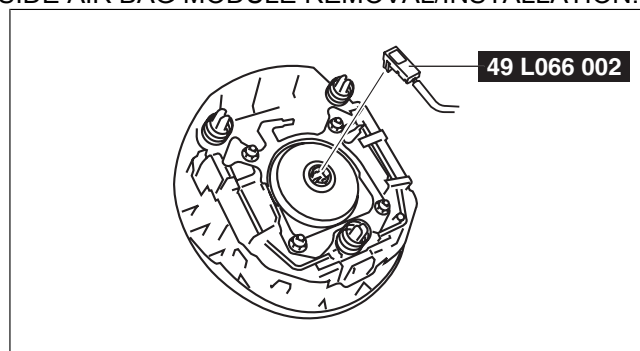
- Deploying the air bag modules and pre-tensioner seat belts inside the vehicle may cause damage to the vehicle interior. When the vehicle is not to be scrapped, always deploy the air bag modules and pre-tensioner seat belts outside the vehicle.
- If the vehicle is to be scrapped, or when disposing of any air bag modules or pre-tensioner seat belts, operate (deploy) them inside the vehicle by following the deployment procedure below and using the **SST (Deployment tool)**.
- When disposing of an operated (deployed) air bag module and pre-tensioner seat belt, refer to "AIR BAG MODULE AND PRE-TENSIONER SEAT BELT DISPOSAL PROCEDURES".

Deployment Procedure for Inside of Vehicle

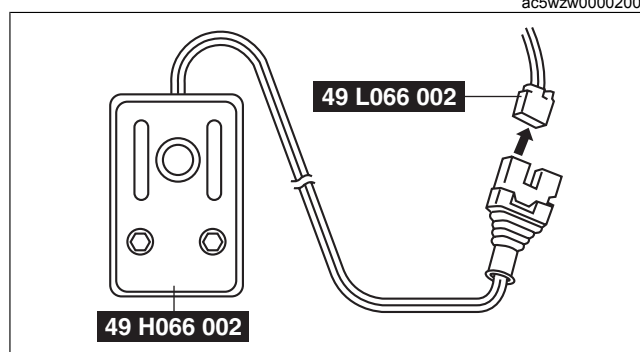
1. Inspect the **SST (Deployment tool)**. (See INSPECTION OF SST (DEPLOYMENT TOOL).)
2. Move the vehicle to an open space, away from strong winds, and close all of the vehicle doors and windows.
3. Switch the ignition to off.
4. Disconnect the negative battery cable and wait for **1 min or more**. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)]).(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
5. Follow the procedure below for operating (deploying) the applicable air bag module or pre-tensioner seat belt.

Driver-side Air Bag Module

1. Remove the driver-side air bag module. (See DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
2. Connect the **SST (Adapter harness)** to the driver-side air bag module as shown in the figure.
3. Install the driver-side air bag module. (See DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)



4. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
5. 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.
6. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
7. Verify that all persons are standing at least 6 m {20 ft} away from the vehicle.



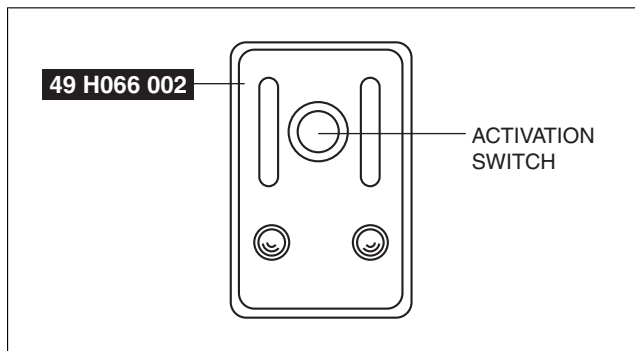
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8. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the air bag module.

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.

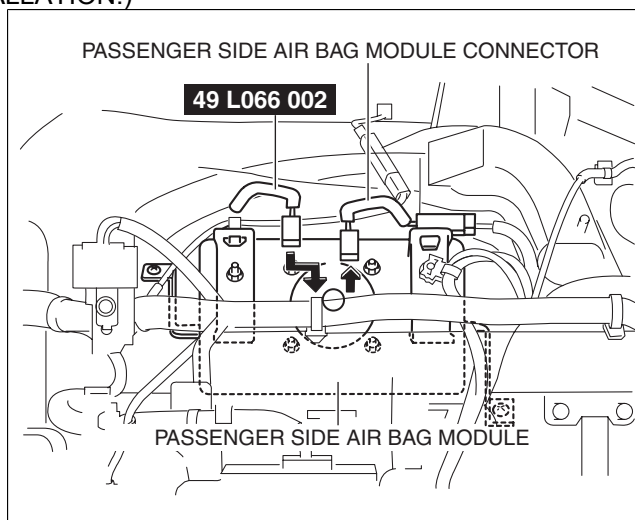
9. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.



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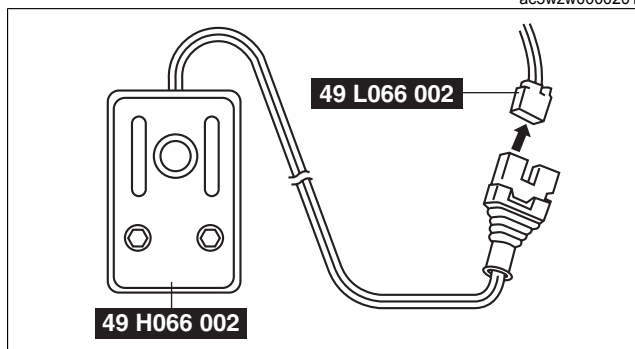
Passenger-side Air Bag Module

1. Remove the following parts:
 - (1) Front scuff plate (passenger-side) (See FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
 - (2) Front side trim (passenger-side) (See FRONT SIDE TRIM REMOVAL/INSTALLATION.)
 - (3) Dashboard under cover (See DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)
 - (4) Front heat duct (passenger-side) (See FRONT HEAT DUCT REMOVAL/INSTALLATION.)
 - (5) Glove compartment (See GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
 - (6) Decoration panel (See DECORATION PANEL REMOVAL/INSTALLATION.)
 - (7) Lower panel (passenger-side) (See LOWER PANEL REMOVAL/INSTALLATION.)
 - (8) Blower unit (See BLOWER UNIT REMOVAL/INSTALLATION.)
2. Disconnect the passenger-side air bag module connector.
3. Connect the **SST (Adapter harness)** to the passenger-side air bag module as shown in the figure.



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4. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
5. 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.
6. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
7. Verify that all persons are standing at least 6 m {20 ft} away from the vehicle.



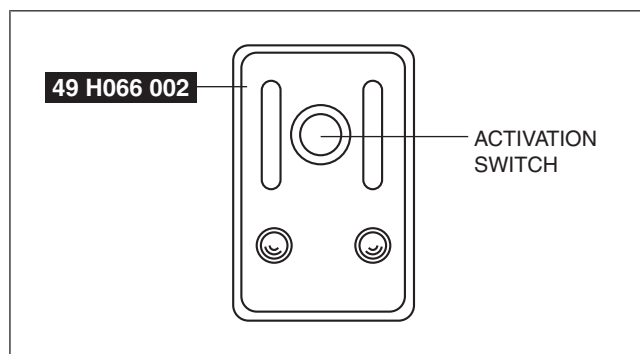
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8. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the air bag module.

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.

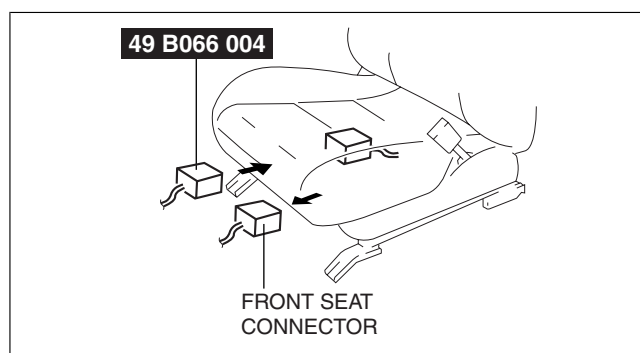
9. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.



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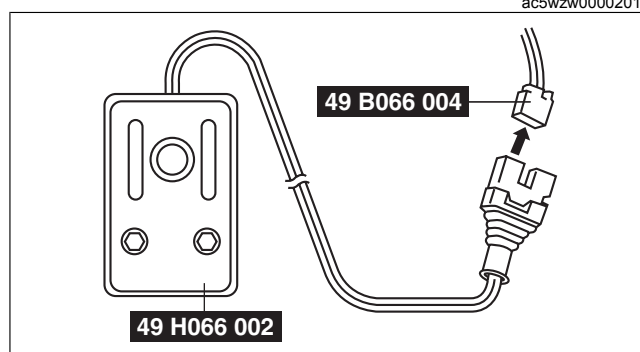
Side Air Bag Module

1. Disconnect the front seat connector.
2. Connect the **SST (Adapter harness)** to the front seat connector as shown in the figure.



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3. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
4. 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.
5. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
6. Verify that all persons are standing at least 6 m {20 ft} away from the vehicle.



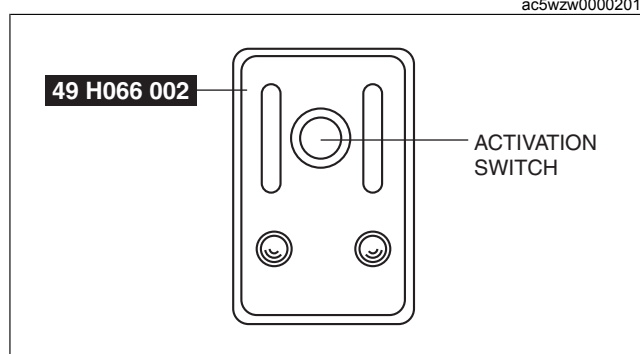
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7. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the side air bag module.

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)**.



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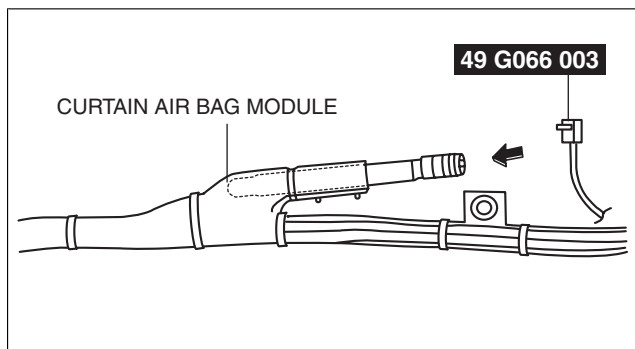
Curtain Air Bag Module

1. Remove the following parts:
 - (1) Front scuff plate (See FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
 - (2) Rear scuff plate (See REAR SCUFF PLATE REMOVAL/INSTALLATION.)
 - (3) B-pillar lower trim (See B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.)
 - (4) Front seat belt adjuster cover (See FRONT SEAT BELT REMOVAL/INSTALLATION.)
 - (5) Upper anchor of the front seat belt (See FRONT SEAT BELT REMOVAL/INSTALLATION.)
 - (6) B-pillar upper trim (See B-PILLAR UPPER TRIM REMOVAL/INSTALLATION.)
 - (7) Assist handle (See ASSIST HANDLE REMOVAL/INSTALLATION.)
 - (8) Trunk board (See TRUNK BOARD REMOVAL/INSTALLATION.)
 - (9) Trunk end trim (See TRUNK END TRIM REMOVAL/INSTALLATION.)
 - (10) Trunk side trim (See TRUNK SIDE TRIM REMOVAL/INSTALLATION.)

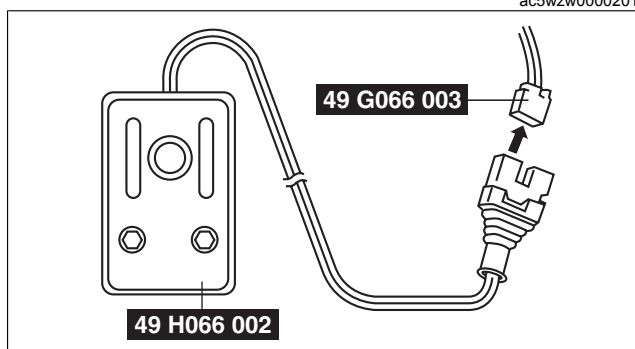
(11)D-pillar trim (See D-PILLAR TRIM REMOVAL/INSTALLATION.)

(12)C-pillar trim (See C-PILLAR TRIM REMOVAL/INSTALLATION.)

2. Peel back the headliner.
3. Disconnect the curtain air bag module connector.
4. Connect the **SST (Adapter harness)** to the curtain air bag module as shown in the figure.



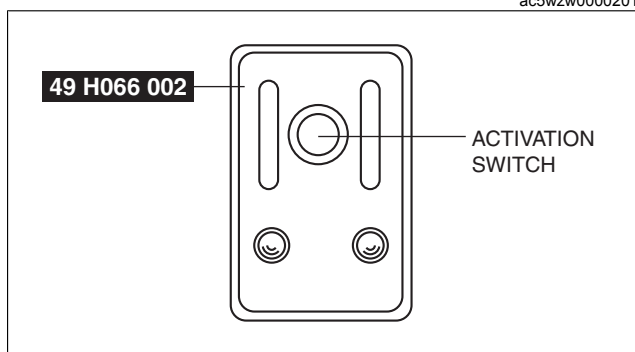
5. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
6. Connect the **SST (Deployment tool)** to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.
7. Verify that the red lamp on the **SST (Deployment 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 curtain air bag module.

Warning

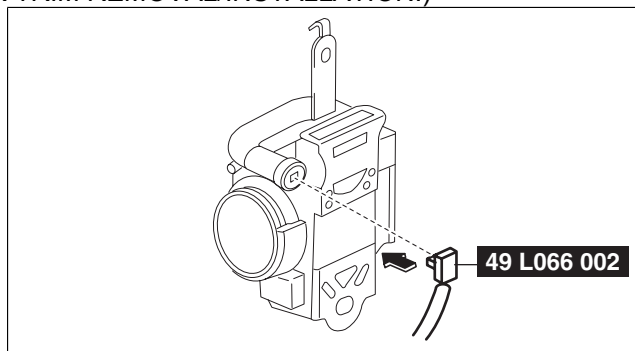
- The air bag module is very hot immediately after it is operated (deployed). You can be burned. Do not touch the air bag module for at least 15 min after deployment.



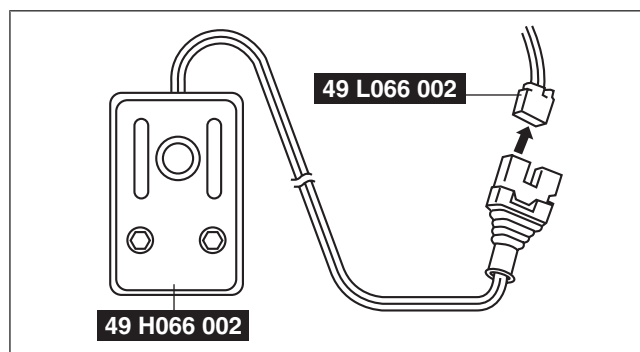
10. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.

Pre-tensioner Seat Belt

1. Remove the front scuff plate. (See FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
2. Remove the rear scuff plate. (See REAR SCUFF PLATE REMOVAL/INSTALLATION.)
3. Remove the B-pillar lower trim. (See B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.)
4. Remove the pre-tensioner seat belt and connect the **SST (Adapter harness)** as shown in the figure. (See FRONT SEAT BELT REMOVAL/INSTALLATION.)
5. Install the pre-tensioner seat belt.



6. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
7. 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.
8. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
9. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.

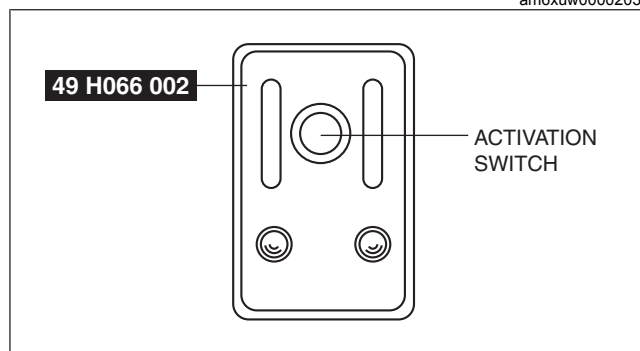


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10. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the pre-tensioner seat belt.

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.



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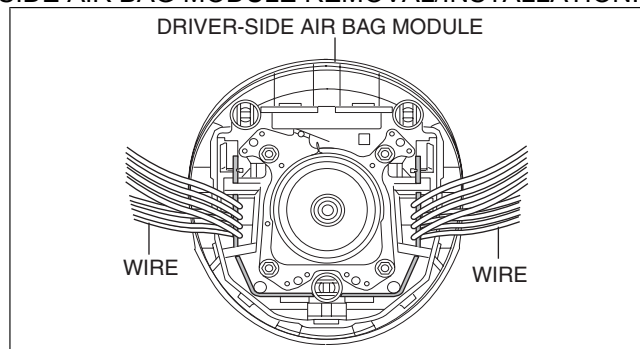
11. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.

Deployment Procedure for Outside of Vehicle

1. Inspect the **SST (Deployment tool)**. (See INSPECTION OF SST (DEPLOYMENT TOOL).)
2. Switch the ignition to off.

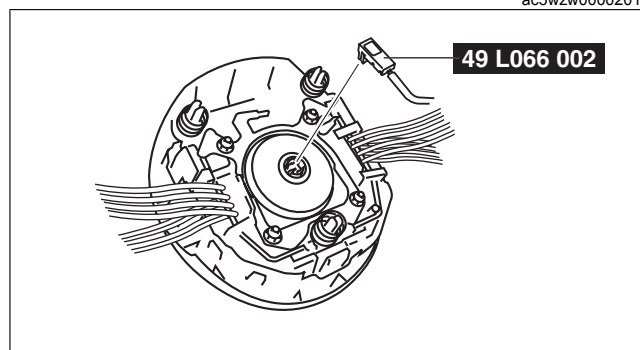
Driver-side Air Bag Module

1. Remove the driver-side air bag module. (See DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
2. Wrap the wiring harness (cross section **1.25 mm² {0.002 in²} or more**) at least four times around the position shown in the figure for the driver-side air bag module.



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

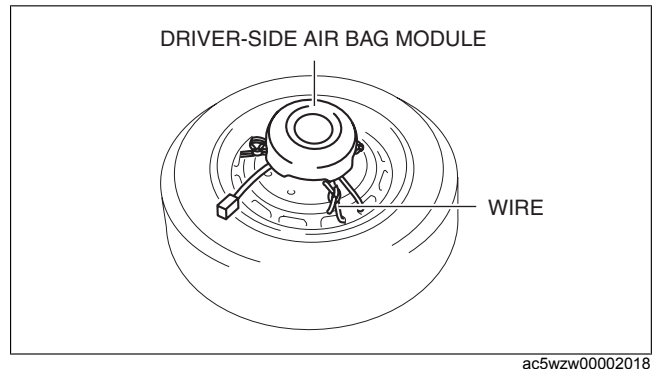


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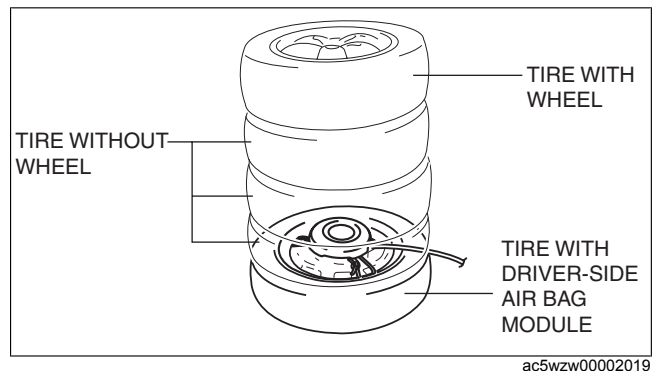
4. Place the driver-side air bag module on the center of the tire wheel with the padded surface facing up. To secure the air bag module to the tire wheel, wrap a wire (cross section **1.25 mm² {0.002 in²} or more**) through the wheel and the bolt installation holes of the air bag module **at least 4 times**.

Warning

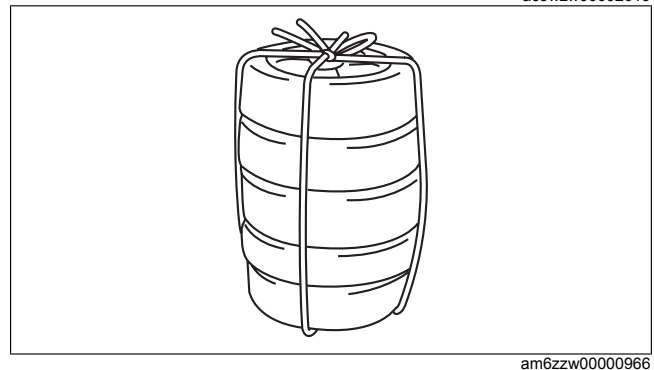
- If the air bag module is not properly installed to the tire wheel, serious injury may occur when the module is operated (deployed). When installing the air bag module to the tire wheel, make sure the padded surface is facing up.



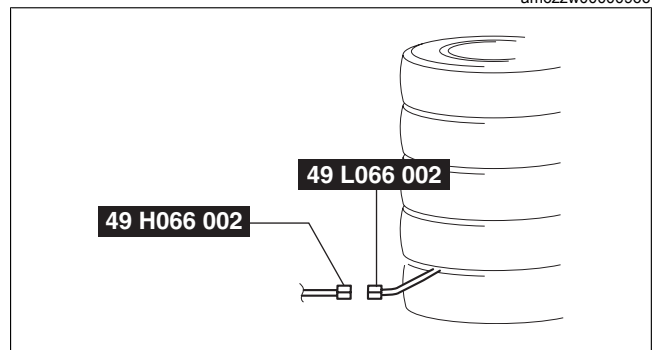
5. Stack three tires without wheels on top of the tire with the driver-side air bag module, and then stack another tire with a wheel on the very top.



6. Secure the tires with wire.



7. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
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 vehicle.

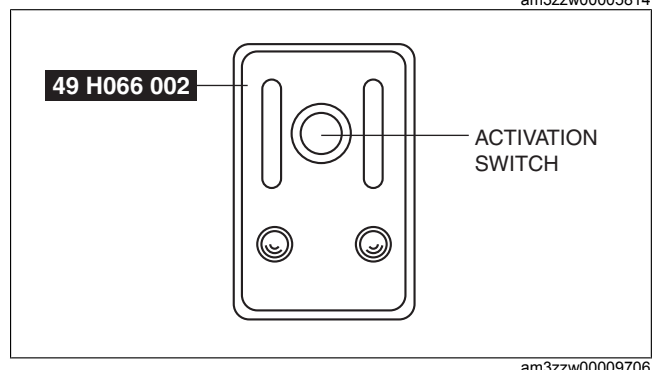


11. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the air bag module.

Warning

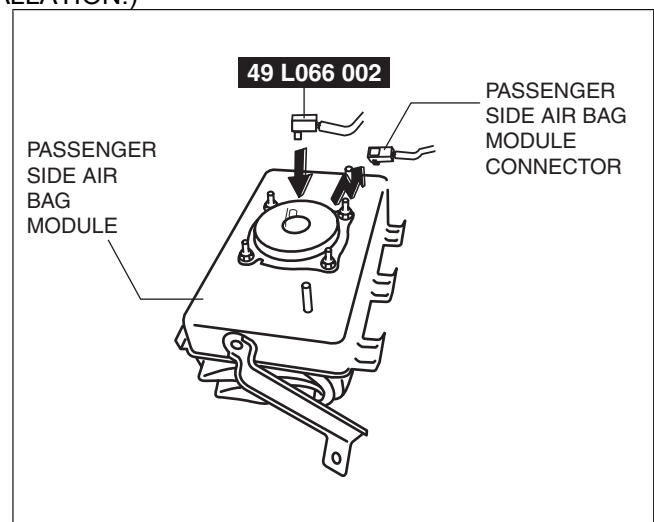
- The air bag module is very hot immediately after it is operated (deployed). You can be burned. Do not touch the air bag module for at least 15 min after deployment.

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



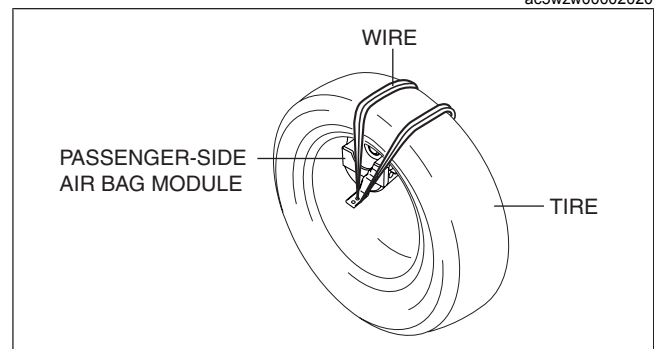
Passenger-side Air Bag Module

1. Remove the following parts:
 - (1) Front scuff plate (passenger-side) (See FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
 - (2) Front side trim (passenger-side) (See FRONT SIDE TRIM REMOVAL/INSTALLATION.)
 - (3) Dashboard under cover (See DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)
 - (4) Front heat duct (passenger-side) (See FRONT HEAT DUCT REMOVAL/INSTALLATION.)
 - (5) Glove compartment (See GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
 - (6) Decoration panel (See DECORATION PANEL REMOVAL/INSTALLATION.)
 - (7) Lower panel (passenger-side) (See LOWER PANEL REMOVAL/INSTALLATION.)
 - (8) Blower unit (See BLOWER UNIT REMOVAL/INSTALLATION.)
2. Disconnect the passenger-side air bag module connector.
3. Connect the **SST (Adapter harness)** to the passenger-side air bag module as shown in the figure.



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4. Place the padded surface of the passenger-side air bag module facing the center of the tire as shown in the figure. To secure the air bag module to the tire wheel, wrap a wire (cross section $1.25 \text{ mm}^2 \{0.002 \text{ in}^2\}$ or more) through the tire and the bolt installation holes **at least 4 times** as shown in the figure.

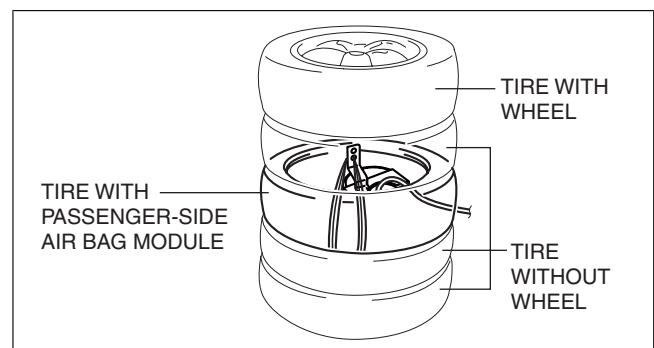


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Warning

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



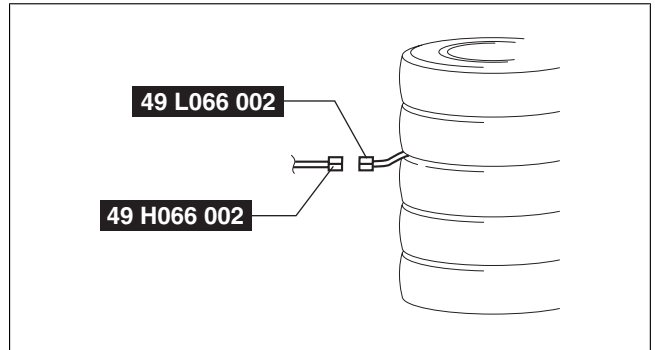
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6. Secure the tires with wire.



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7. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
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 vehicle.



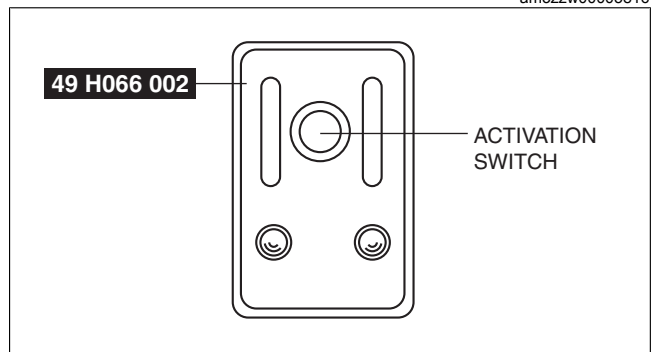
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11. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the air bag module.

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.

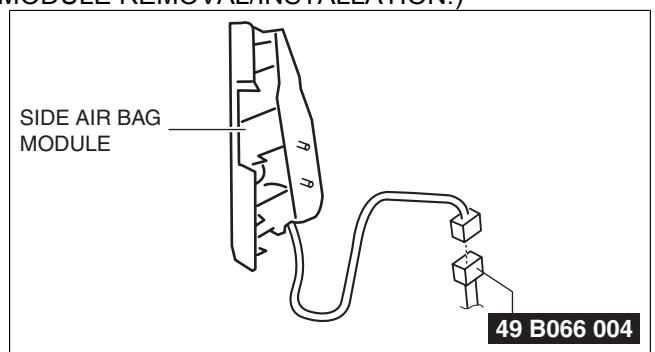
12. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.



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Side Air Bag Module

1. Remove the front seat. (See FRONT SEAT REMOVAL/INSTALLATION.)
2. Remove the front seat back trim and pad. (See FRONT SEAT BACK TRIM REMOVAL/INSTALLATION.)
3. Remove the side air bag module. (See SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
4. Connect the **SST (Adapter harness)** to the side air bag module as shown in the figure.



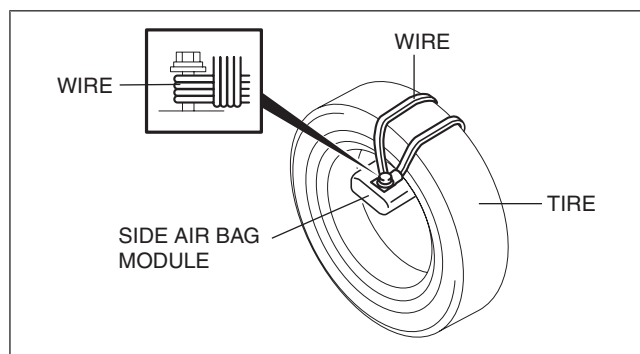
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5. Put the side air bag module inside the tire and secure it to the tire by wrapping a wire (cross section **1.25 mm² {0.002 in²} or more**) through the tire and the bolt **at least 4 times**.

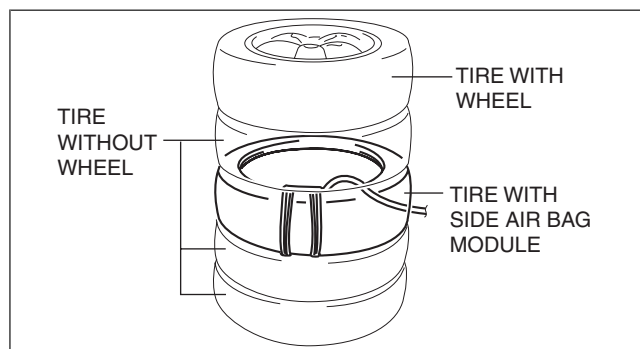
Warning

- 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.

6. 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.

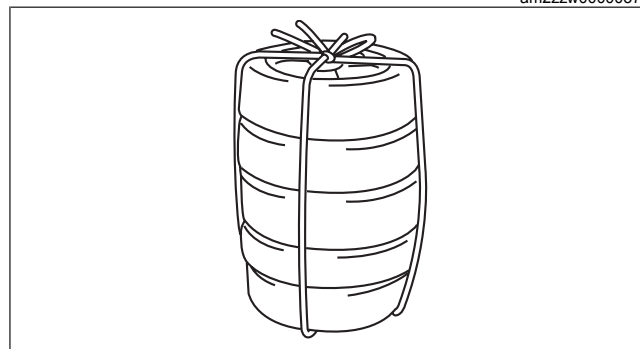


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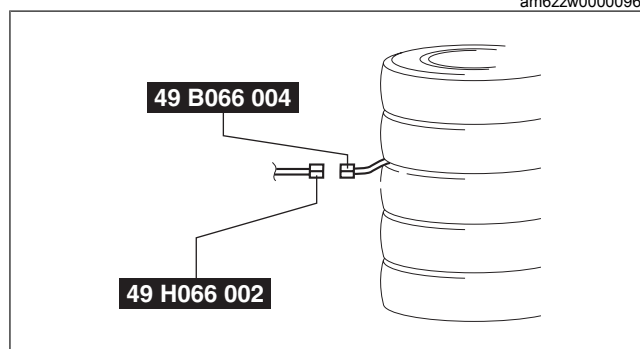
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7. Secure the tires with wire.



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8. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
9. 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.
10. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
11. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.



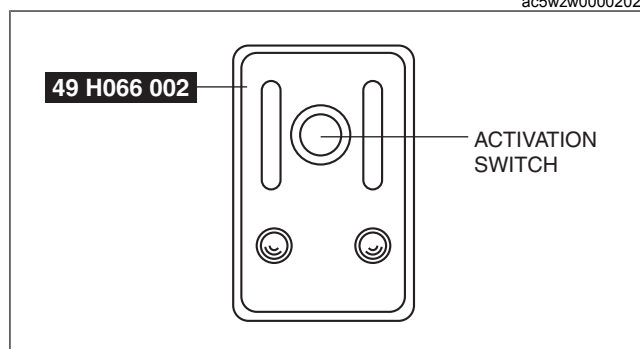
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12. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the side air bag module.

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.

13. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.



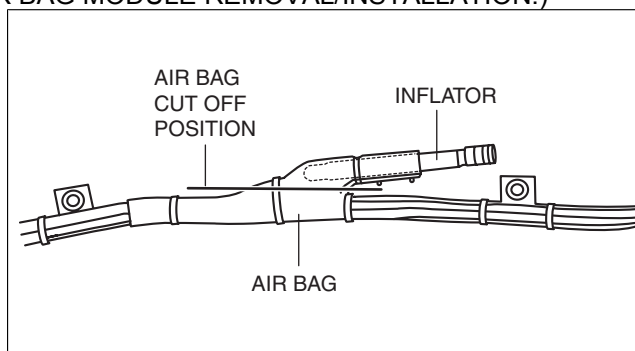
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Curtain Air Bag Module

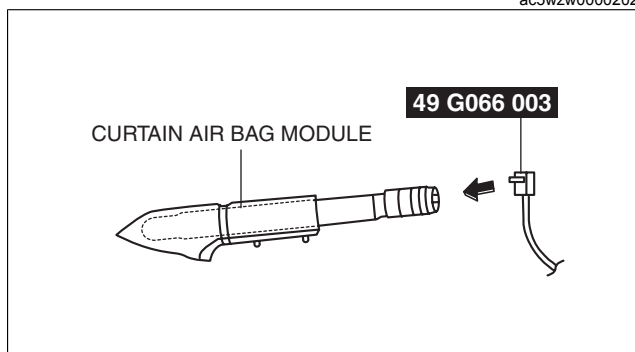
1. Disconnect the negative battery cable and wait for **1 min or more**. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Partially peel back the seaming welts.
3. Remove the following parts:
 - (1) Sunroof seaming welt (with sunroof) (See SUNROOF UNIT REMOVAL/INSTALLATION.)
 - (2) A-pillar trim (See A-PILLAR TRIM REMOVAL/INSTALLATION.)
 - (3) Front map light (See MAP LIGHT REMOVAL/INSTALLATION.)
 - (4) Sunvisor (See SUNVISOR REMOVAL/INSTALLATION.)
 - (5) Front scuff plate (See FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
 - (6) Rear scuff plate (See REAR SCUFF PLATE REMOVAL/INSTALLATION.)
 - (7) B-pillar lower trim (See B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.)
 - (8) Front seat belt adjuster cover (See FRONT SEAT BELT REMOVAL/INSTALLATION.)
 - (9) Upper anchor of the front seat belt (See FRONT SEAT BELT REMOVAL/INSTALLATION.)
 - (10) B-pillar upper trim (See B-PILLAR UPPER TRIM REMOVAL/INSTALLATION.)
 - (11) Assist handle (See ASSIST HANDLE REMOVAL/INSTALLATION.)
 - (12) Trunk board (See TRUNK BOARD REMOVAL/INSTALLATION.)
 - (13) Trunk end trim (See TRUNK END TRIM REMOVAL/INSTALLATION.)
 - (14) Trunk side trim (See TRUNK SIDE TRIM REMOVAL/INSTALLATION.)
 - (15) D-pillar trim (See D-PILLAR TRIM REMOVAL/INSTALLATION.)
 - (16) C-pillar trim (See C-PILLAR TRIM REMOVAL/INSTALLATION.)
4. Remove the headliner. (See HEADLINER REMOVAL/INSTALLATION.)
5. Remove the curtain air bag module. (See CURTAIN AIR BAG MODULE REMOVAL/INSTALLATION.)
6. Cut off the air bag part of the curtain air bag module at the position shown in the figure.

Warning

- **Be sure not to 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).**



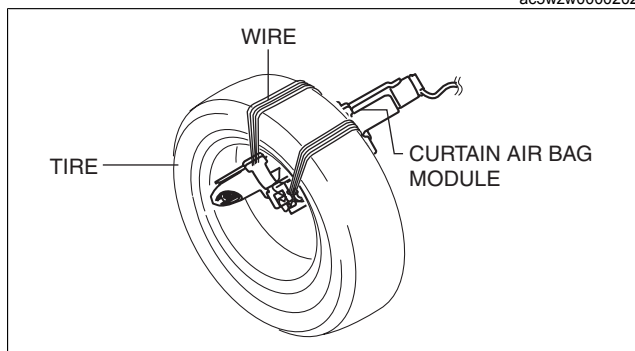
7. Disconnect the curtain air bag module connector.
8. Connect the **SST (Adapter harness)** to the curtain air bag module as shown in the figure.



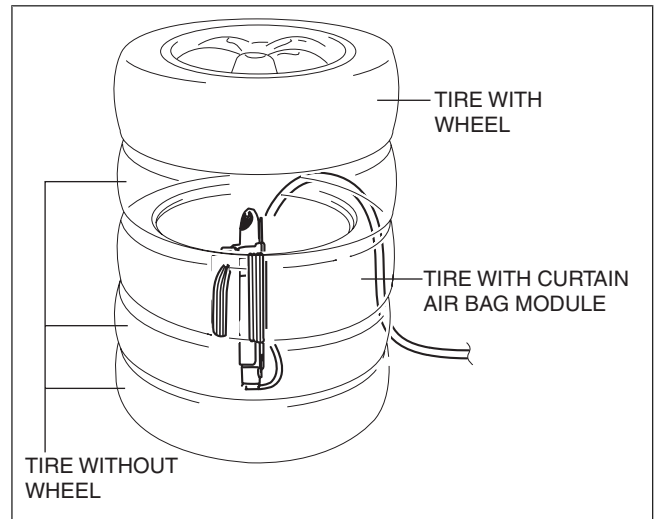
9. Secure the curtain air bag module to the tire, by wrapping a wire (cross section **1.25 mm² {0.002 in²} or more**) through the tire and the bolt installation holes **at least 4 times** as shown in the figure.

Warning

- **If the air bag module is not properly installed to the tire, serious injury may occur when the module is operated (deployed). Make sure to install the air bag module securely.**



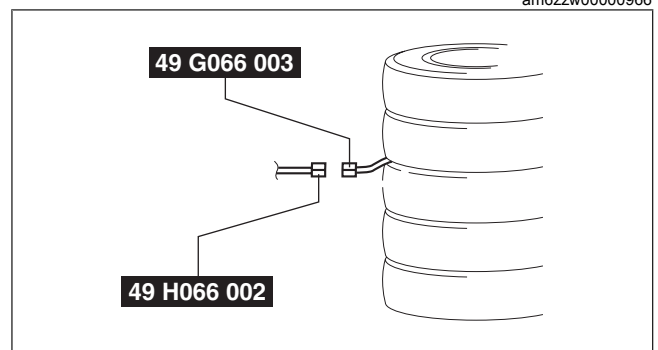
10. Stack the tire with the curtain air bag module on top of two tires without wheels. Stack a tire without a wheel on top of the tire with the curtain air bag module, and then stack another tire with a wheel on the very top.



11. Secure the tires with wire.



12. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
13. 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.
14. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
15. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.

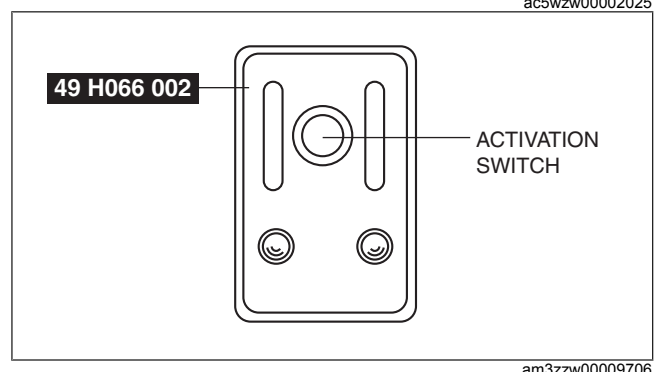


16. Press the activation switch on the **SST (Deployment tool)** to operate (deploy) the curtain air bag module.

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.

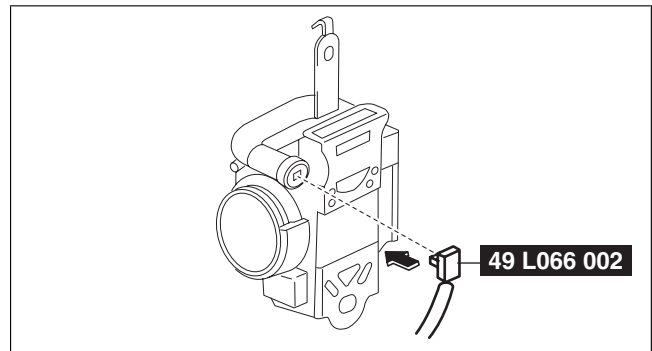
17. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.



Pre-tensioner Seat Belt

1. Remove the front scuff plate. (See FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
2. Remove the rear scuff plate. (See REAR SCUFF PLATE REMOVAL/INSTALLATION.)
3. Remove the B-pillar lower trim. (See B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.)

4. Remove the pre-tensioner seat belt and connect the **SST (Adapter harness)** as shown in the figure.
(See FRONT SEAT BELT REMOVAL/ INSTALLATION.)

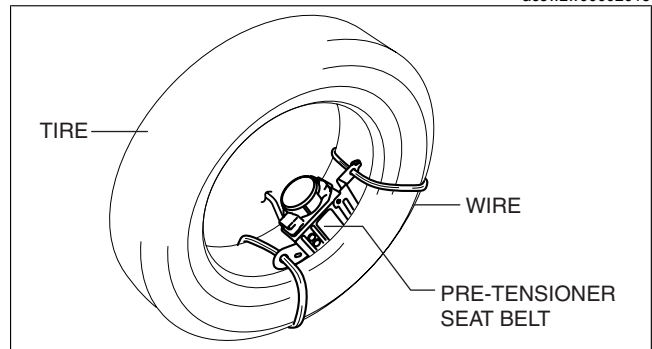


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5. Put the pre-tensioner seat belt inside the tire and secure it to the tire by wrapping a wire (cross section **1.25 mm² {0.002 in²} or more**) through the tire and the bolt installation holes **at least 4 times**.

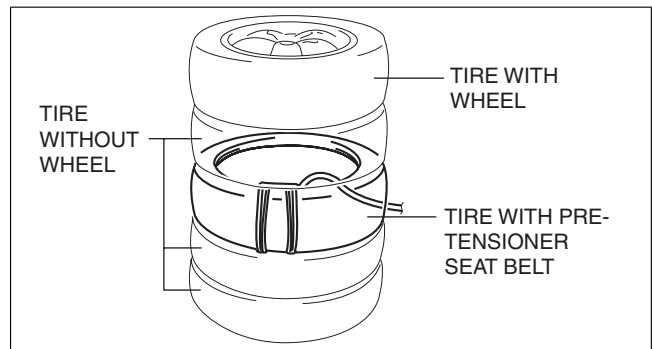
Warning

- 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, make sure the pre-tensioner part is inside the tire.



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6. 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.



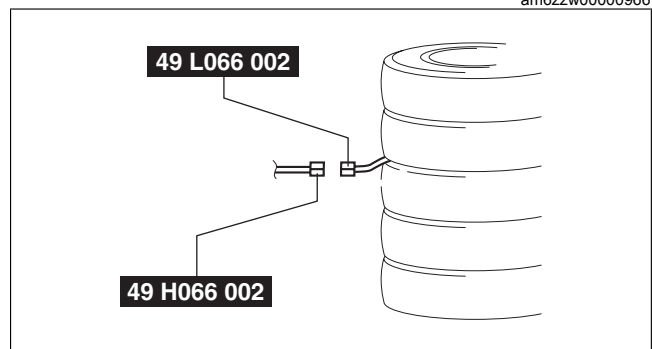
am2zzw00000379

7. Secure the tires with wire.



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8. Connect the **SST (Deployment tool)** to the **SST (Adapter harness)**.
9. 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.
10. Verify that the red lamp on the **SST (Deployment tool)** is illuminated.
11. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.



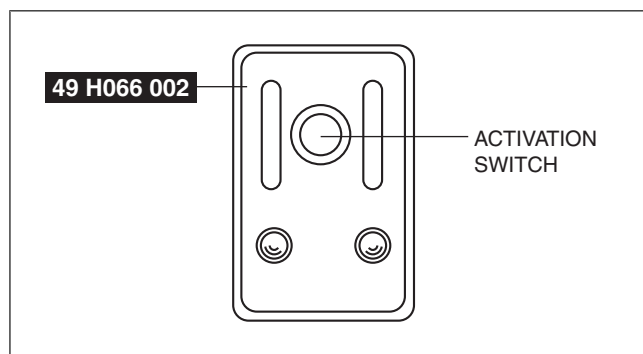
am6xuw00002034

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12. 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.

13. Disconnect the **SST (Deployment tool)** from the **SST (Adapter harness)**.



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