

AIR BAG MODULE AND PRE-TENSIONER FRONT BUCKLE DEPLOYMENT PROCEDURES

B3E081057000W01

Warning

- A live (undeployed) air bag module or pre-tensioner front buckle 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 front buckle. 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 front buckles 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 front buckles outside the vehicle.
- If the vehicle is to be scrapped, or when disposing of any air bag modules or pre-tensioner front buckles, operate (deploy) them inside the vehicle by following the deployment procedure below and using the **SST** (Deployment tool).
- When disposing of a operated (deployed) air bag module and pre-tensioner front buckle, refer to "AIR BAG MODULE AND PRE-TENSIONER FRONT BUCKLE 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. Turn the ignition switch to the LOCK position.
4. Disconnect the negative battery cable and wait for **1 min or more**.
5. Follow the procedure below for operating (deploying) the applicable air bag module or pre-tensioner front buckle.

Driver-side air bag module

Warning

- The driver-side air bag module is a dual inflator type. If one inflator is forced to operate (deploy), the other may operate (deploy) accidentally. To prevent injury while disposing of the air bag module, make sure to operate (deploy) both driver-side air bag module inflators simultaneously, following the procedure below.

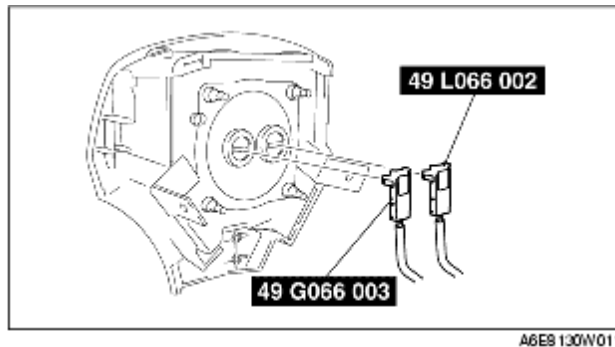
Note

- The **SSTs**, two types of adapter harnesses (for inflators No.1 and No.2) and two deployment tools are to be used to operate (deploy) the driver-side air bag module.

1. Remove the driver-side air bag module.

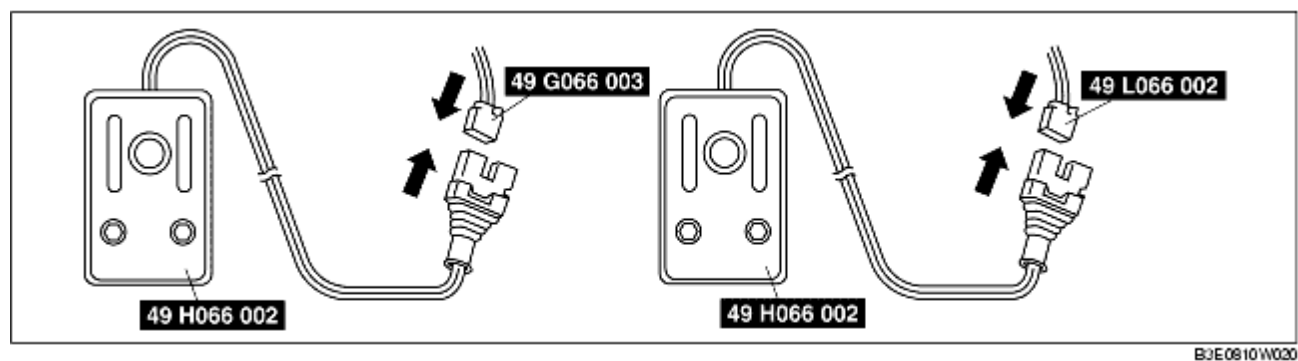
(See [DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION](#).)

2. Connect the **SSTs** (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 **SSTs** (Deployment tool) to the **SSTs** (Adapter harness).

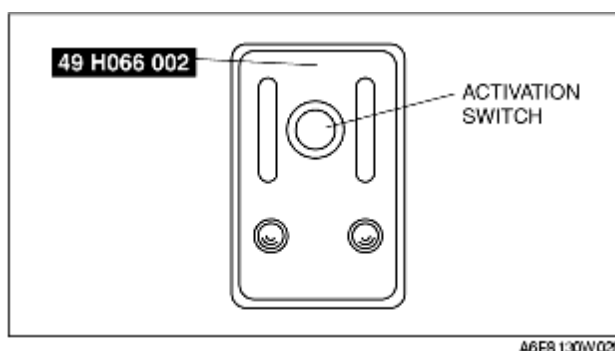


5. Connect both **SSTs** (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

6. Verify that the red lamp on both **SSTs** (Deployment tool) is illuminated.

7. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.

8. Press the activation switch on the **SST** (Deployment tool) connected with 49 L066 002 (a yellow connector) of the **SST** (Adapter harness), and **after 3 s**, press the activation switch on the other **SST** (Deployment tool) to operate (deploy) the air bag module (both inflators).



Warning

- Verify that air bag module operation (explosive) sound occurs twice. If no operation (explosive) sound

was heard or a single operation (explosive) sound was heard, both inflators would not have operated (deployed) properly. This may cause serious injury because the air bag module may operate (deploy) accidentally. If the two operation (explosive) sounds are not heard, perform Step 8 again. In case that the two operation (explosive) sounds in total are not verified even though Step 8 is performed again, leave the air bag module alone for 30 min or more before getting near it again.

- 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 **SSTs** (Deployment tool) from the **SSTs** (Adapter harness).

Passenger-side air bag module

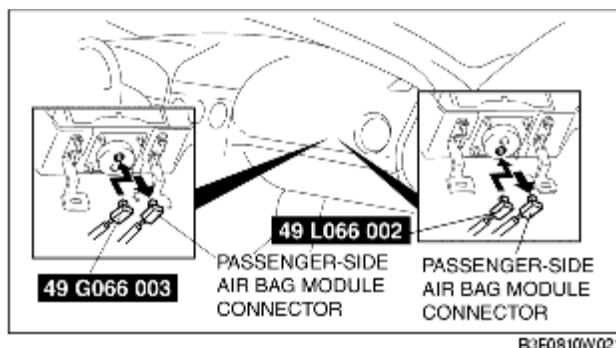
Warning

- The passenger-side air bag module is a dual inflator type. If one inflator is forced to operate (deploy), the other may operate (deploy) accidentally. To prevent injury while disposing of the air bag module, make sure to operate (deploy) both passenger-side air bag module inflators simultaneously, following the procedure below.

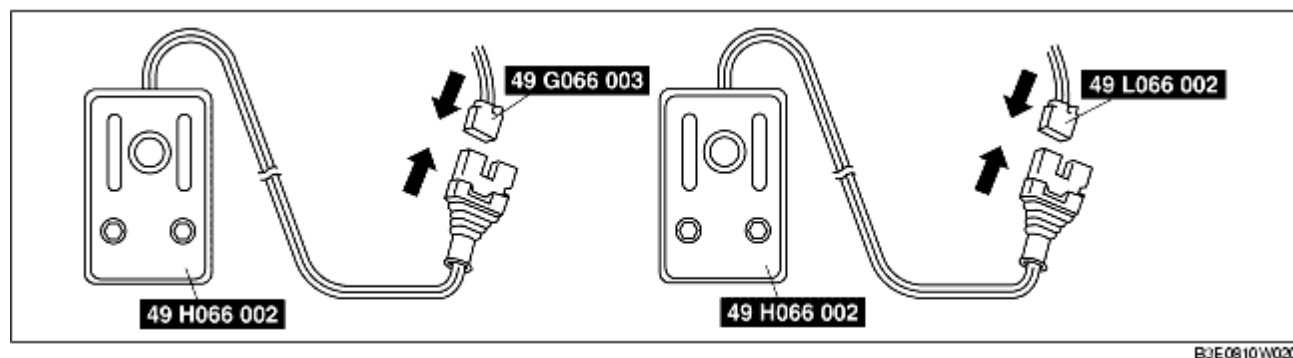
Note

- The **SSTs**, two types of adapter harnesses (for inflators No.1 and No.2) and two deployment tools are to be used to operate (deploy) the passenger-side air bag module.

1. Remove the glove compartment. (See [GLOVE COMPARTMENT REMOVAL/INSTALLATION.](#))
2. Disconnect the passenger-side air bag module connector.
3. Connect the **SSTs** (Adapter harness) to the passenger-side air bag module as shown in the figure.

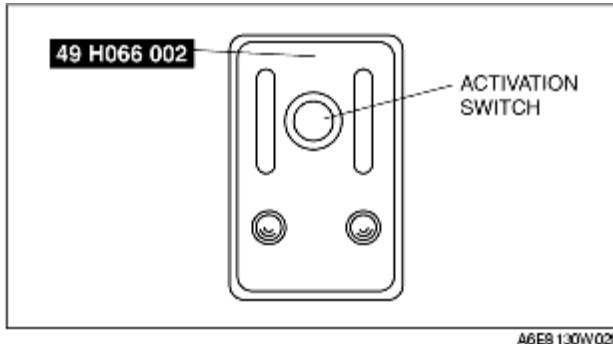


4. Connect the **SSTs** (Deployment tool) to the **SSTs** (Adapter harness).



5. Connect both **SSTs** (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 both **SSTs** (Deployment tool) is illuminated.
7. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.
8. Press the activation switch on the **SST** (Deployment tool) connected with 49 L066 002 (a yellow connector) of the **SST** (Adapter harness), and **after 3 s**, press the activation switch on the other **SST** (Deployment tool) to operate (deploy) the air bag module (both inflators).



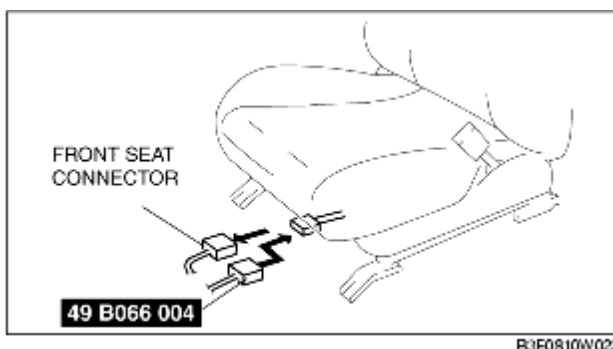
Warning

- Verify that air bag module operation (explosive) sound occurs twice. If no operation (explosive) sound was heard or a single operation (explosive) sound was heard, both inflators would not have operated (deployed) properly. This may cause serious injury because the air bag module may operate (deploy) accidentally. If the two operation (explosive) sounds are not heard, perform Step 8 again. In case that the two operation (explosive) sounds in total are not verified even though Step 8 is performed again, leave the air bag module alone for 30 min or more before getting near it again.
- 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 **SSTs** (Deployment tool) from the **SSTs** (Adapter harness).

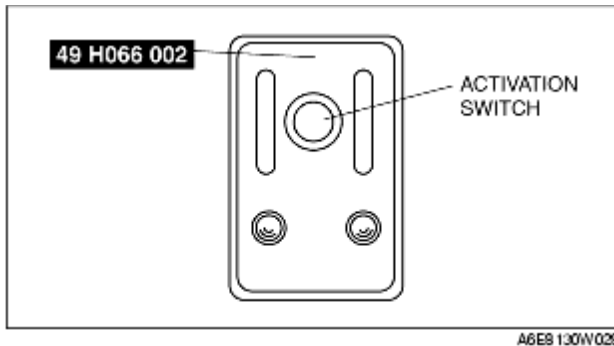
Side air bag module and pre-tensioner front buckle

1. Disconnect the front seat connector.
2. Connect the **SST** (Adapter harness) to the side air bag module and pre-tensioner front buckle as shown in the figure.



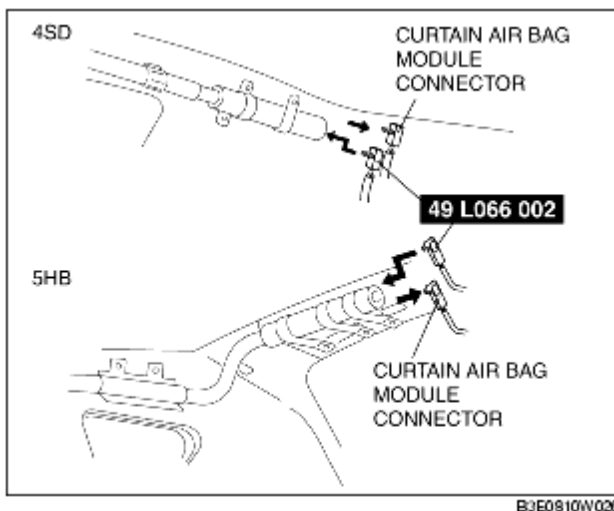
3. Connect the **SST** (Deployment tool) to the **SST** (Adapter harness).

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.
7. Press the activation switch on the **SST** (Deployment tool) to operate (deploy) the side air bag module and pre-tensioner front buckle.



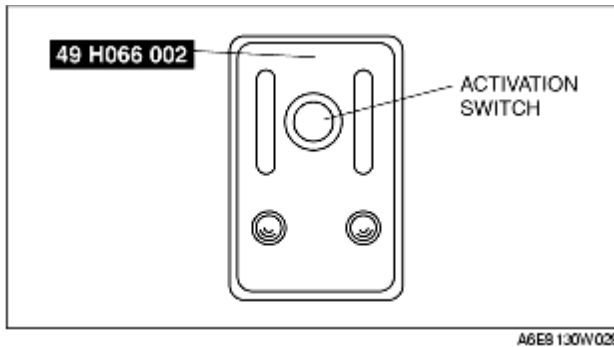
Curtain air bag module

1. Remove the C-pillar trim. (4SD)
- (See [C-PILLAR TRIM REMOVAL/INSTALLATION](#).)
2. Partially peel back the headliner. (5HB)
 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.



Deployment Procedure for Outside of Vehicle

1. Inspect the **SST** (Deployment tool).
- (See [INSPECTION OF SST \(DEPLOYMENT TOOL\)](#).)
2. Turn the ignition switch to the LOCK position.
 3. Disconnect the negative battery cable and wait for **1 min or more**.
 4. Follow the procedure below for operating (deploying) the applicable air bag module or pre-tensioner front buckle.

Driver-side air bag module

Warning

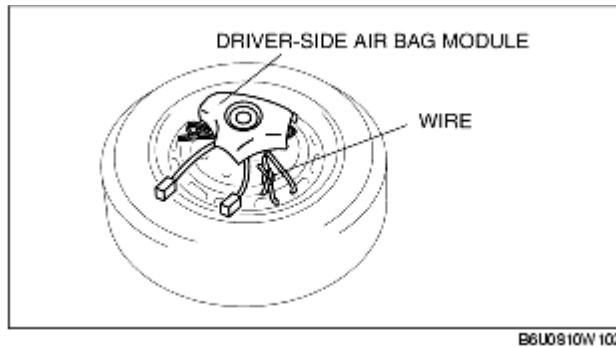
- The driver-side air bag module is a dual inflator type. If one inflator is forced to operate (deploy), the other may operate (deploy) accidentally. To prevent injury while disposing of the air bag module, make sure to operate (deploy) both driver-side air bag module inflators simultaneously, following the procedure below.

1. Remove the driver-side air bag module.

(See [DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION](#).)

2. Connect the **SSTs** (Adapter harness) to the driver-side air bag module as shown in the figure.

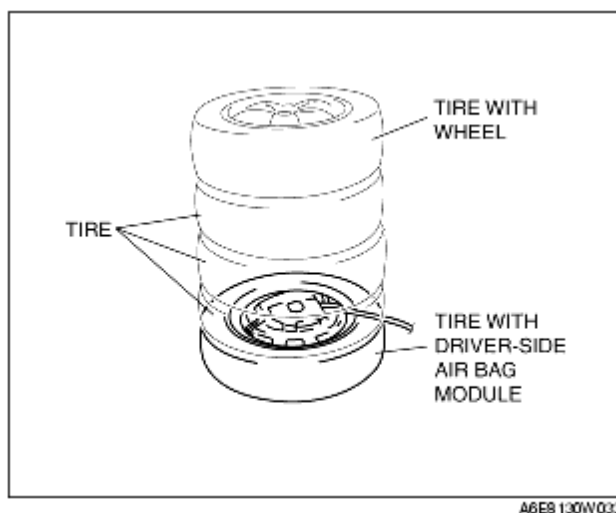
3. Place the driver-side air bag module on the center of the tire wheel with the padded surface facing up. To secure the air bag module to the tire wheel, wrap a wire (cross section **1.25 mm² {0.002 in²}** or more) through the wheel and the bolt installation holes of the air bag module **at least 4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



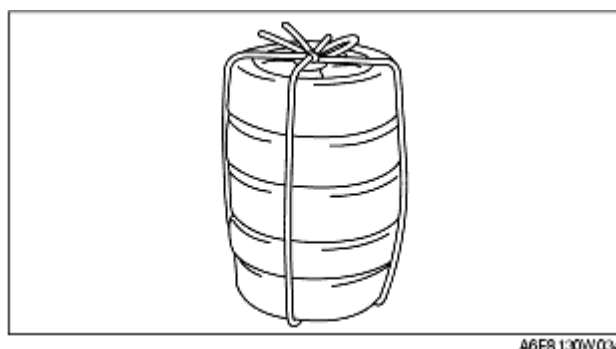
Warning

- 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.

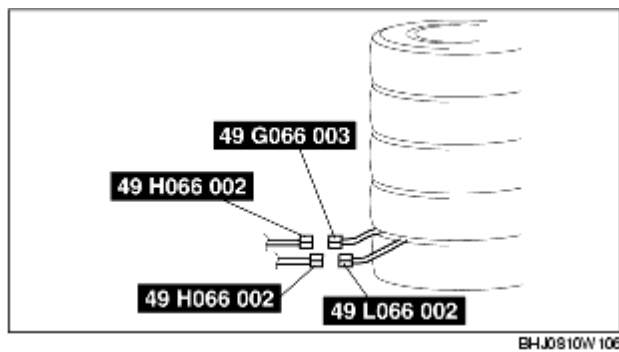
4. Stack three tires without wheels on top of the tire with the driver-side air bag module, and then stack another tire with a wheel on the very top.



5. Secure the tires with wire.



6. Connect the **SSTs** (Deployment tool) to the **SSTs** (Adapter harness).

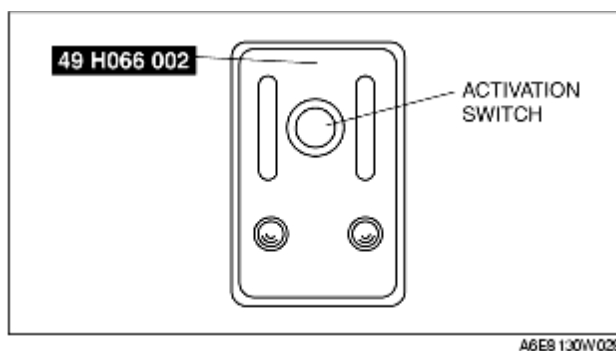


7. Connect both **SSTs** (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

8. Verify that the red lamp on both **SSTs** (Deployment tool) is illuminated.

9. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.

10. Press the activation switch on the **SST** (Deployment tool) connected with 49 L066 002 (a yellow connector) of the **SST** (Adapter harness), and **after 3 s**, press the activation switch on the other **SST** (Deployment tool) to operate (deploy) the air bag module (both inflators).



Warning

- Verify that air bag module operation (explosive) sound occurs twice. If no operation (explosive) sound was heard or a single operation (explosive) sound was heard, both inflators would not have operated (deployed) properly. This may cause serious injury because the air bag module may operate (deploy) accidentally. If the two operation (explosive) sounds are not heard, perform Step 10 again. In case that the two operation (explosive) sounds in total are not verified even though Step 10 is performed again, leave the air bag module alone for 30 min or more before getting near it again.
- 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.

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

Passenger-side air bag module

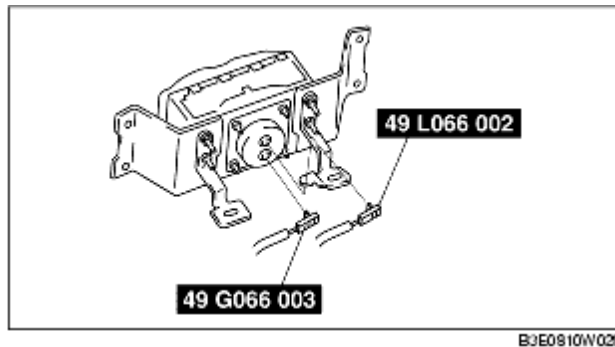
Warning

- The passenger-side air bag module is a dual inflator type. If one inflator is forced to operate (deploy), the other may operate (deploy) accidentally. To prevent injury while disposing of the air bag module, make sure to operate (deploy) both passenger-side air bag module inflators simultaneously, following the procedure below.

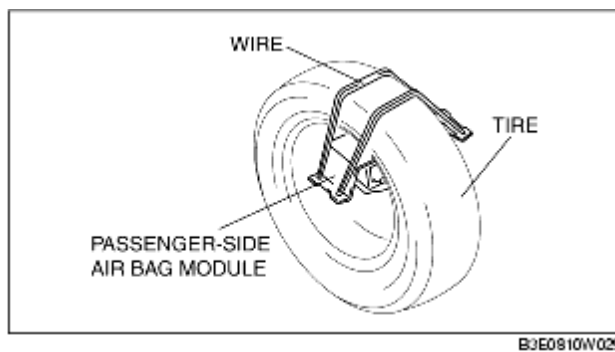
1. Remove the passenger-side air bag module.

(See [PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION](#).)

2. Connect the **SSTs** (Adapter harness) to the passenger-side air bag module as shown in the figure.



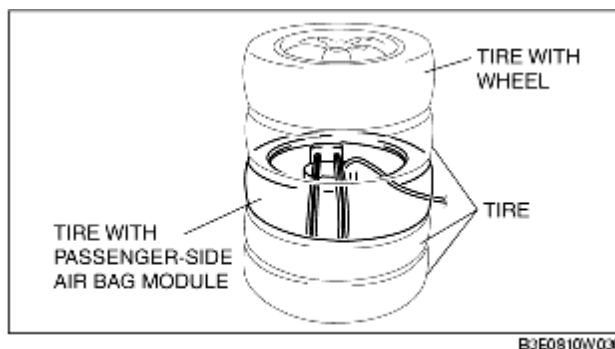
3. Place the padded surface of the passenger-side air bag module facing the center of the tire as shown in the figure. To secure the air bag module to the tire wheel, wrap a wire (cross section **1.25 mm² {0.002 in²} or more**) through the tire and the bolt installation holes **at least 4 times** as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



Warning

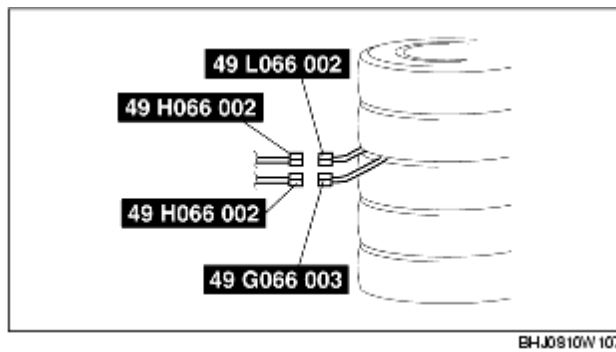
- If the air bag module is not properly installed to the tire, serious injury may occur when the module is operated (deployed). When installing the air bag module to the tire, make sure the padded surface is facing the center of the tire.

4. 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.



5. Secure the tires with wire.

6. Connect the **SSTs** (Deployment tool) to the **SSTs** (Adapter harness).

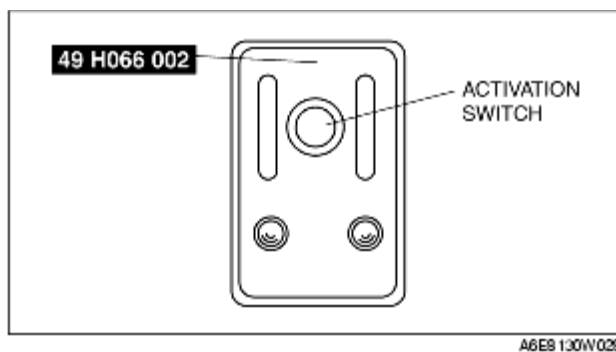


7. Connect both **SSTs** (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

8. Verify that the red lamp on both **SSTs** (Deployment tool) is illuminated.

9. Verify that all persons are standing **at least 6 m {20 ft}** away from the vehicle.

10. Press the activation switch on the **SST** (Deployment tool) connected with 49 L066 002 (a yellow connector) of the **SST** (Adapter harness), and **after 3 s**, press the activation switch on the other **SST** (Deployment tool) to operate (deploy) the air bag module (both inflators).



Warning

- Verify that air bag module operation (explosive) sound occurs twice. If no operation (explosive) sound was heard or a single operation (explosive) sound was heard, both inflators would not have operated (deployed) properly. This may cause serious injury because the air bag module may operate (deploy) accidentally. If the two operation (explosive) sounds are not heard, perform Step 11 again. In case that the two operation (explosive) sounds in total are not verified even though Step 11 is performed again, leave the air bag module alone for 30 min or more before getting near it again.
- 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.

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

Side air bag module

1. Remove the side air bag module.

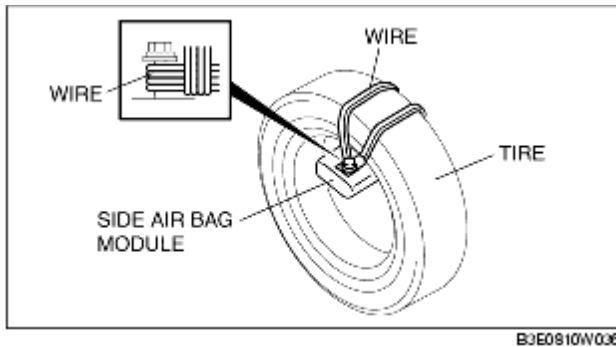
(See [SIDE AIR BAG MODULE REMOVAL/INSTALLATION.](#))

2. Install the nuts to the side air bag module.

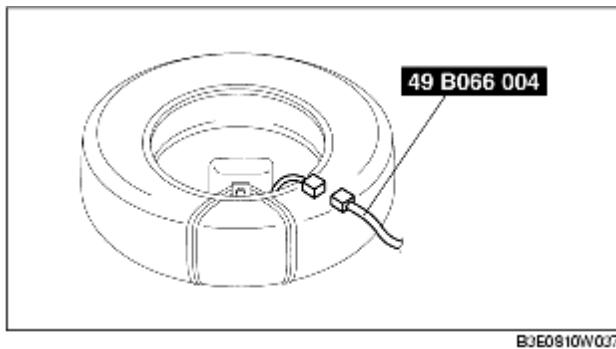
3. Place the padded surface of the side air bag module facing the center of the tire as shown in the figure. To secure the air bag module to the tire wheel, wrap a wire (cross section **1.25 mm² {0.002 in²} or more**) through the tire and around the bolts **at least 4 times**.

Warning

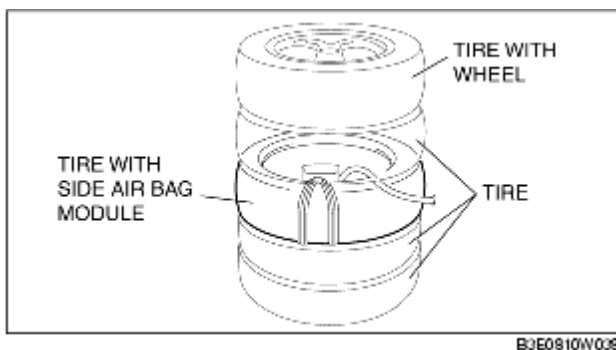
- If the air bag module is not properly installed to the tire, serious injury may occur when the module is operated (deployed). When installing the air bag module to the tire, make sure the padded surface is facing the center of the tire.



4. Connect the **SST** (Adapter harness) to the side air bag module as shown in the figure.

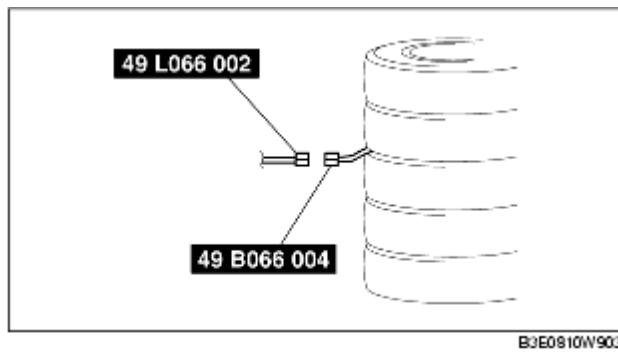


5. Stack the tire with the side air bag module on top of two tires without wheels. Stack a tire without a wheel on top of the tire with the side air bag module, and then stack another tire with a wheel on the very top.



6. Secure the tires with wire.

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

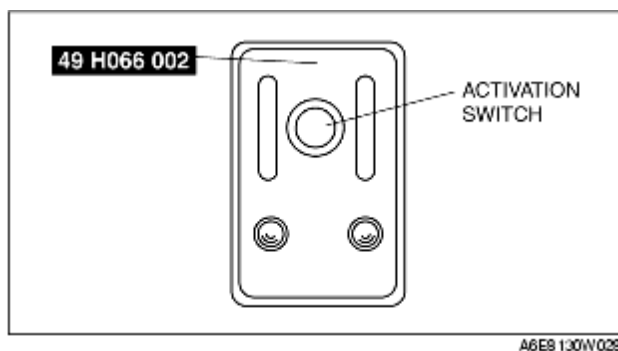


8. Connect the **SST** (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

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 side air bag module.

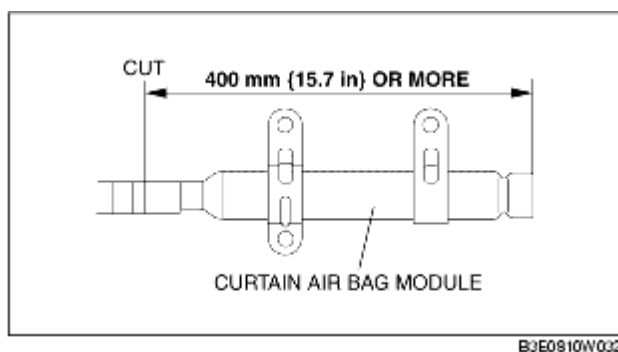


Curtain air bag module

1. Remove the curtain air bag module.

(See [CURTAIN AIR BAG MODULE REMOVAL/INSTALLATION.](#))

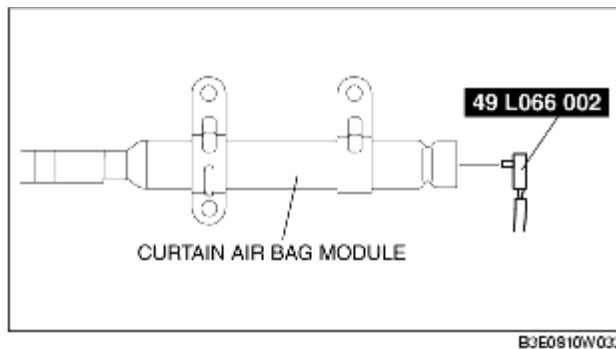
2. Secure the curtain air bag module in a vise, and cut off the deployment section, as shown in the figure.



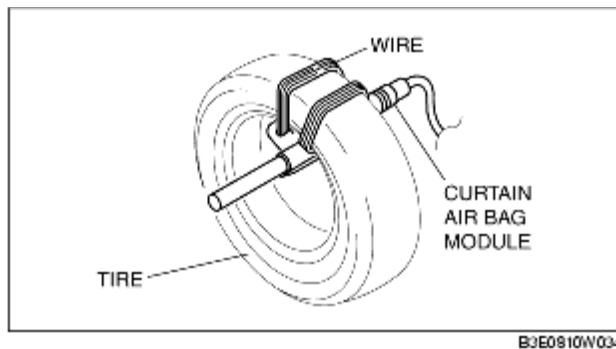
Warning

- 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).

3. Connect the **SST** (Adapter harness) to the curtain air bag module as shown in the figure.



4. 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.

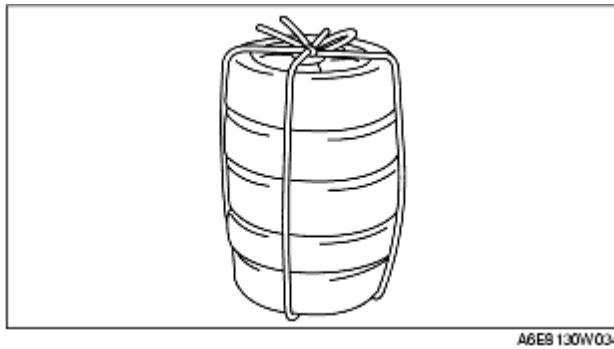


Warning

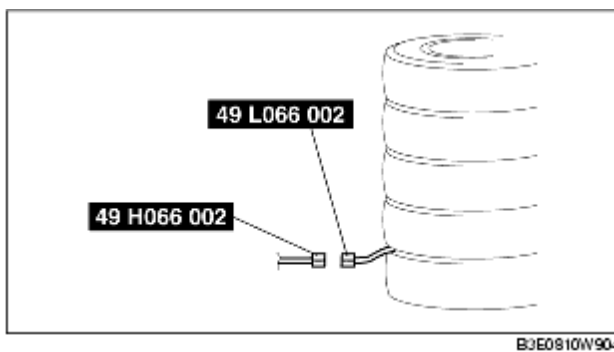
- If the air bag module is not properly installed to the tire, serious injury may occur when the module is operated (deployed). Make sure to install the air bag module securely.

5. 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.

6. Secure the tires with wire.



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

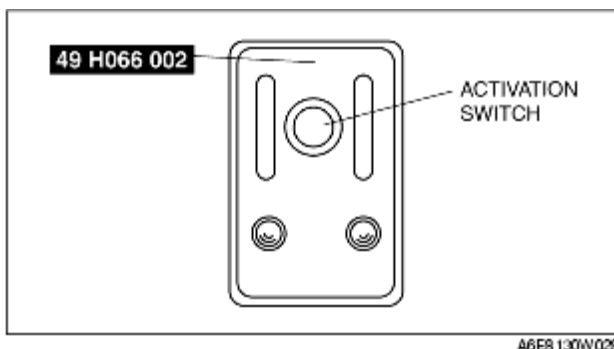


8. Connect the **SST** (Deployment tool) to the battery. Connect the power supply red clip to the positive battery terminal, and the black clip to the negative battery terminal.

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 curtain air bag module.



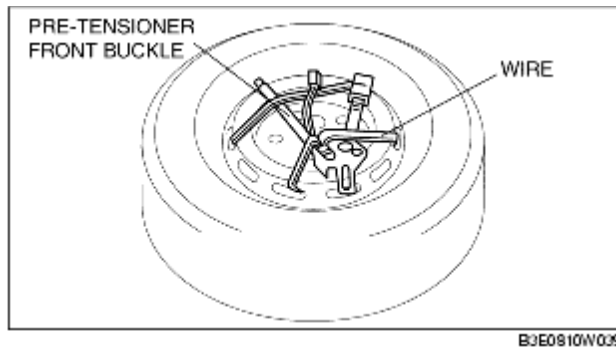
Pre-tensioner front buckle

1. Remove the pre-tensioner front buckle.

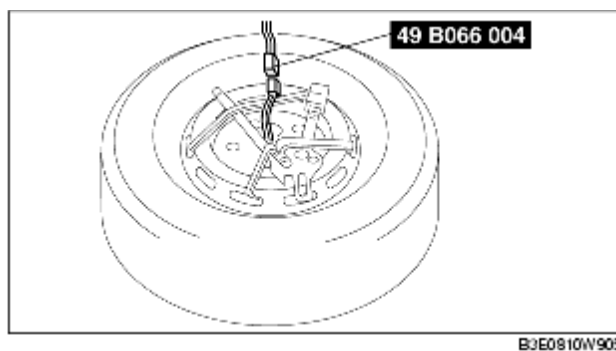
(See [FRONT SEAT BELT REMOVAL/INSTALLATION.](#))

2. Place the pre-tensioner front buckle on the center of the tire wheel. To secure the buckle to the tire wheel, wrap a wire (cross section of **1.25mm² {0.002in²} or more**) through the wheel and the bolt installation hole

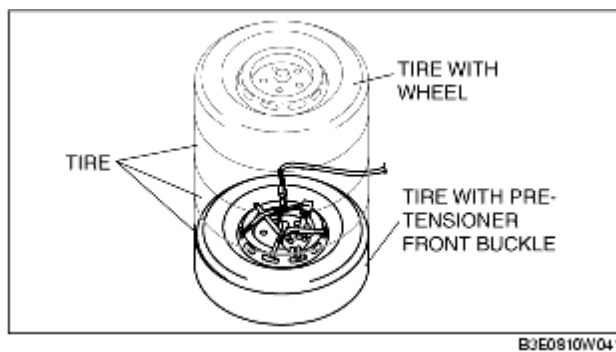
and through the wheel and the tube, **at least 4 times**.



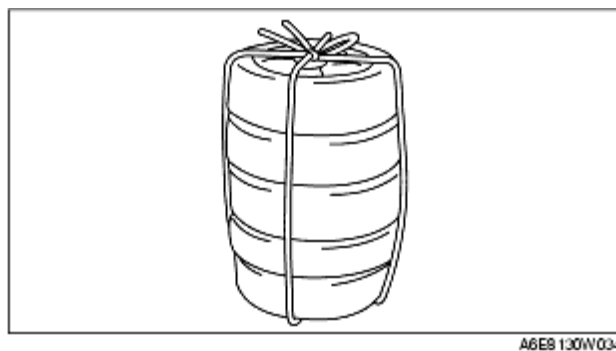
3. Connect the **SST** (Adapter harness) to the pre-tensioner front buckle as shown in the figure.



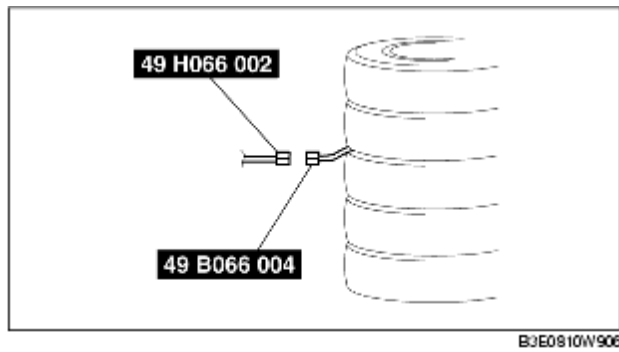
4. Stack three tires without wheels on top of the tire with the pre-tensioner front buckle, and then stack another tire with a wheel on the very top.



5. Secure the tires with wire.



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.

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

