
SEAT BELT, SRS AIRBAG

SECTION 9B

SRS

Contents

SRS System Assembly	9B-2
Precautions on Service Work	9B-2
SRS Control Unit	9B-8
Precautions on Service Work	9B-8
Removal	9B-8
Installation	9B-8
SRS Airbag Assembly	9B-9
Precautions on Service Work	9B-9
Removal	9B-19
Installation	9B-20
Special Tool	9B-22
Steering Wheel	9B-23
Precautions on Service Work	9B-23
Removal	9B-23
Installation	9B-24
Special tool	9B-25
SRS Coil Assembly	9B-27
Precautions on Service Work	9B-27
Removal	9B-27
Installation	9B-28
Special Tool	9B-30
Steering Column	9B-31
Precautions on Service Work	9B-31
Removal	9B-31
Installation	9B-33
Special tool	9B-36

SRS System Assembly

Precautions on Service Work

WARNING:

WHEN SERVICING SRS SYSTEM PARTS (SRS CONTROL UNIT, AIRBAG, HARNESS, ETC.) OR ITS CIRCUMFERENCE, STOP TEMPORARILY THE FUNCTION OF SRS ACCORDING TO THE PROCEDURE. FAILURE TO FOLLOW THE PROCEDURE MAY CAUSE INJURY DUE TO SRS AIRBAG DEPLOYMENT OR UNNECESSARY REPAIR.

Turn the starter switch to "LOCK" at first. Then, disconnect the battery or remove the fuse which sends power to SRS control unit. After that, do not perform the work at least 15 seconds since airbag may be deployed. In the service procedure, remove "SRS fuse" and detach SRS airbag from deployment circuit to prevent unnecessary SRS parts from deploying.

If removing SRS airbag from deployment circuit according to "Procedure to stop the function of SRS" in this topic, service work can be performed immediately without waiting for 15 seconds.

About Tools

WARNING:

WHEN SERVICING SRS, DO NOT USE ELECTRICAL TEST EQUIPMENTS EXCEPT ONES DESCRIBED IN THIS MANUAL TO AVOID DEPLOYMENT OF SRS AIRBAG. FAILURE TO FOLLOW THIS MANUAL MAY CAUSE INJURY DUE TO UNNECESSARY DEPLOYMENT OF SRS AIRBAG.

It is necessary to measure voltage and resistance. Familiarize yourself with use of Tech 2, SRS substitute load (5-8840-2421-0), connector test adapter kit (5-8840-0385-0), DVM (digital multi-meter, 5-8840-0366-0).

Necessary Repair and Inspection After Collision

- If the parts of this system are damaged, replacement is needed. If mounting portion of SRS parts are damaged, replacement is needed.
- Never use system parts of other vehicle.
- Do not disassemble or repair SRS control unit, SRS coil assembly or SRS airbag. These parts must be replaced with new ones.
- Confirm the part number to make sure that replacement SRS parts are legitimate.

Caution:

Do not use SRS airbag of other vehicle or model. Be sure to confirm the part number to use appropriate SRS airbag.

Caution:

After repair and replacement, set back the SRS airbag to the correct specification so that it is operated properly.

It is necessary to replace SRS control unit and SRS airbag, and inspect the dimension of steering column. If the mounting bracket of SRS control unit are damaged clearly, replacement is needed. Besides, the dimension of steering column should be inspected regardless of SRS airbag deployment.

Replacement and Inspection of Parts After Collision with Deployment

If frontal collision with airbag deployment occurs, following system parts must be replaced. It is necessary to check whether SRS coil assembly is damaged.

- SRS airbag assembly
- SRS control unit
- Combination switch assembly (including SRS coil)

Caution:

Refer to "Replacement guideline for SRS control unit" described later for important information about replacement of SRS control unit after collisions with deployment and without.

- Inspect SRS coil assembly harness and connector for burn due to excessive heat, dissolution or damage. If damaged, refer to "SRS Coil Assembly".

Inspection of Parts After Collision with or Without Deployment

The certain parts of this system and supplemental restraint system should be inspected regardless of airbag deployment. The parts to be inspected are shown as follows.

- Steering column: inspect the dimension according to "Examination of damage for steering column" described in "Steering column".
- Steering support bracket: inspect for distortion, bent, crack or other damage.
- Instrument panel bracket: inspect for distortion, bent, crack or other damage.
- Seat belt and its mounting portion: refer to "Seat Belt" section.

Replacement Guideline for SRS Control Unit

If collision with airbag deployment occurs, replacement of SRS control unit is needed. If "SRS" warning lamp illuminates, perform SRS diagnosis according to "Function check: SRS system check" in "SRS control system" in SRS Control System section.

Damaged Harness

If the SRS harness is damaged, it must be replaced.

Damaged SRS Connector (Case and Terminal)

If the connector or terminal of SRS harness (except lead wire) is damaged, replace it.

Damaged Lead Wire of SRS Part

If the lead wire of parts for SRS airbag, combination switch assembly (including SRS coil assembly), etc. is damaged, replace all the parts (including lead wire).

Procedure to Stop the Function of SRS**Removal**

Turn the starter switch to "LOCK", and remove the key.

1. Disconnect the SRS fuse from the fuse box on the upper right portion of dashboard or disconnect terminal of battery.
2. Disconnect the 2-pole connector (yellow) located in the lower portion of steering column. (for SRS airbag)

Caution:

When removing SRS fuse and turn starter switch to ON, SRS warning lamp remains on. This is normal condition.

Procedure to Resume the Function of SRS**Installation****WARNING:**

DO NOT USE SRS AIRBAG OF OTHER VEHICLE OR MODEL. BE SURE TO CONFIRM THE PART NUMBER TO USE APPROPRIATE SRS AIRBAG.

Turn the starter switch to "LOCK", and remove the key.

1. Connect the 2-pole connector (yellow) located in the lower portion of steering column and confirm that it is connected securely.
2. Install the SRS fuse to fuse box on the upper right portion of dashboard.

Turn the starter switch to "ON", and confirm that the "SRS" warning lamp goes off after it blinks seven times. If the "SRS" warning lamp does not operate in that way, perform "Function check: SRS system check" in "SRS control system" in SRS Control System section.

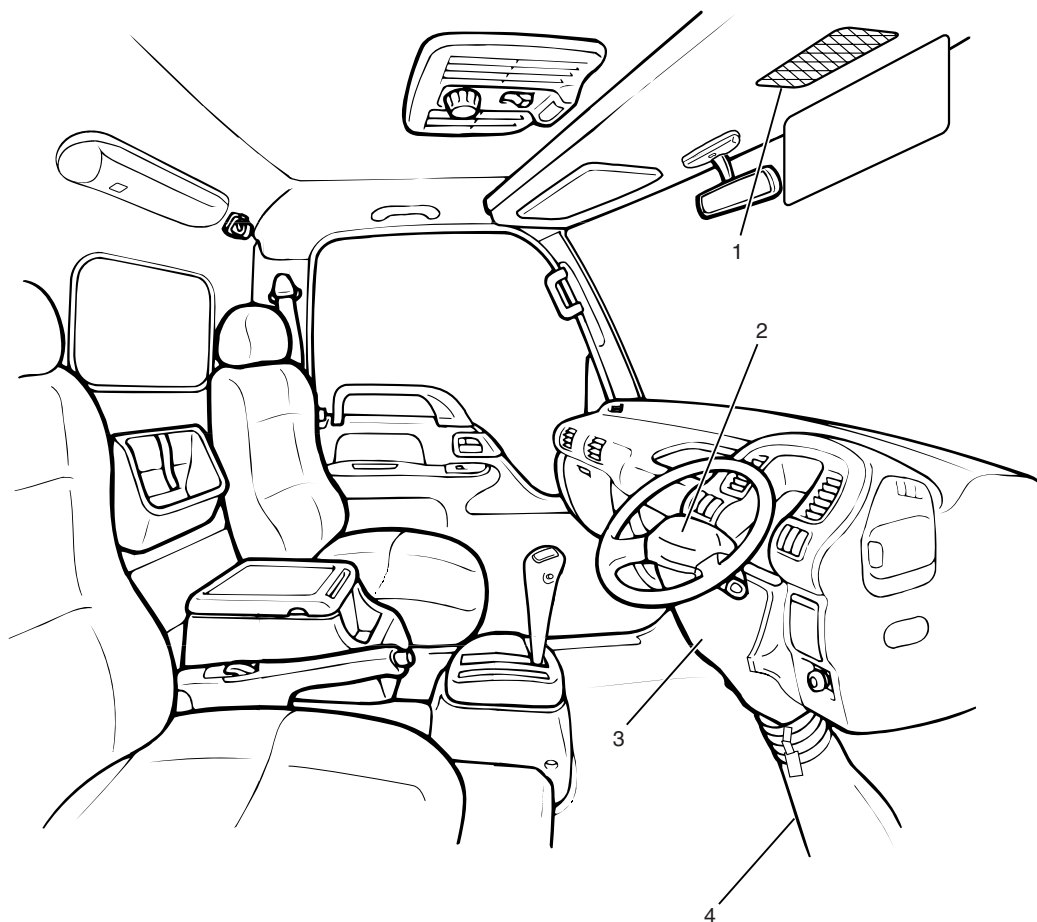
Precautions on Handling/Installation/Diagnosis

- Do not expose SRS airbag to temperature of 93°C (199°F) or more.
- If SRS airbag and SRS control unit are dropped down with some sort of reason, do not use them.
- If disconnecting connectors related to SRS airbag and SRS control unit during repair, be sure to make sure that they are connected completely during re-assembly.
- When replacing SRS control unit, install it to mounting surface correctly. Be sure to make sure there is no dust or other foreign matter on mounting surface of SRS control unit.
- When installing airbag parts, be sure to install them with specified tightening torque.
- Do not energize the system unless all SRS system parts are connected or diagnosis chart requires. If energizing the system, unnecessary diagnostic trouble code will be set in SRS control unit.

- Never diagnose the circuit using other than specified tester.
- At first, perform "SRS system check". "SRS system check" checks whether "SRS" warning lamp operates properly and proceeds to appropriate chart to judge the function fault of system. Failure to perform this procedure leads to longer diagnosis period, wrong diagnosis or replacement of wrong part.

About Caution Labels

Caution labels, which describe exclusive precautions for driver's SRS airbag, are attached on vehicle at five locations.



1. Backside of sun visor

⚠ 警告 SRSエアバッグ

SRSエアバッグ装着車（ステアリングホイール・センターパッド部に“SRS AIRBAG”の表示がある車）については、エアバッグの衝撃により、命にかかわる重大なけがをしないよう次の点を必ずお守りください。

- (1) エアバッグはシートベルトの補助装置ですので、シートベルトは必ず着用してください。
- (2) エアバッグに必要以上に近づいたり、寄りかかったりしないで正しい運転姿勢をとってください。
- (3) エアバッグの上に物を置かないでください。
- (4) エアバッグ警告灯が、走行中に点灯した場合又はスタータースイッチを“ON”位置にした時に点滅しない場合は、必ず販売店で点検を受けてください。

※SRSエアバッグの取扱い、交換、廃棄等については、販売店にご相談ください。

—くわしくは、取扱説明書をごらんください—

⚠ 注意 坂路発進補助装置 (HSA)

坂路発進補助装置（HSA）装着車については、次の点をお守りください。

- (1) 運転席を離れる時は、必ずパーキングブレーキを使用してください。
- (2) HSA作動中にスタータースイッチやHSADOFFスイッチを操作するとブレーキ力が解除され、坂路では下がります。
- (3) 車両に異常があった場合には、HSADOFFスイッチでHSAを解除してください。

操作要領

- (1) 車両停止時にギヤーをニュートラルにした状態でブレーキを踏むと作動します。（HSAランプ 点灯）
- (2) ギヤーをニュートラル以外のポジションにしてクラッチを継ぐとブレーキが解除します。（HSAランプ消灯）

※パーキングブレーキを引いているとHSAは、作動しません。
※HSADOFFスイッチを押すとHSAが解除されHSADOFFランプが点灯します。

(TS)

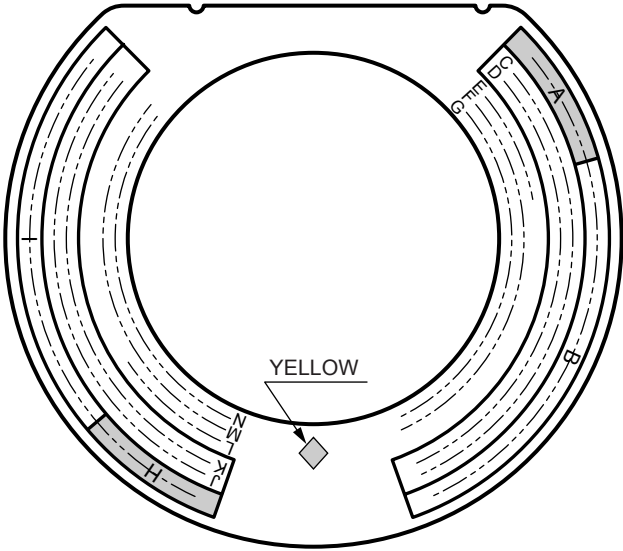
N9A0018E

2. Backside of SRS airbag



N9A0019E

3. SRS coil assembly



A: Notice

B: SRS coil

C: 1. Do not rotate the SRS coil for more than 3 turns in either direction
from the neutral point. Doing so may

D: cause damage to the SRS coil.

2. Do not overhaul.

3. Do not let any oil or grease.

E: Mounting Instructions

F: 1. Straighten the front tires.

2. Rotate the SRS coil, fully clockwise, and then turn it back 4 turns.

G: 3. Align the neutral mark ().

4. See the service manual for details.

H - N: Written in Chinese.

N9A0084E

4. SRS control unit

AIR BAG SENSOR

WARNING

To prevent damage or serious injury due to unwanted inflation.

- Do not disassemble.
- Do not drop.
- Do not give impact.
- Do not wet.

Be sure to follow all the instructions given in the service manual.

警告

為了不被期望的自於工作的損失又抵禦重傷。

- 不要分解本裝置。
- 不要掉落。
- 不要受衝擊。
- 不要沾濕。

請依照操作說明書的指示操作。

P.No.*****



WARNING

TO HELP AVOID INJURY DUE TO UNWANTED INFLATION, FOLLOW ALL INSTRUCTIONS IN THE SERVICE MANUAL.

AIR BAG SENSOR

N9A0021E

About Terms

SRS airbag

This is expansion-type cloth cushion designed to be deployed on frontal collision above a certain impact. Airbag reduces an impact on occupant's head and trunk and supplements the protection by seat belts.

B+

Battery voltage (B+)

Warning lamp bulb check

When no function fault is detected after starter switch is turned to "ON" position, "SRS" warning lamp blinks seven times and goes off.

"Constant diagnosis"

Fault diagnosis is constantly performed by SRS control unit as long as "Ignition A" voltage is within the range of specified operating voltage of the unit.

Diagnostic connector (16-pin)

This is a connector to communicate with Tech 2.

Deployment

This means expansion of airbag.

Deployment circuit

This is a circuit which sends current to airbag assembly to deploy airbag.

Diagnostic trouble code (DTC)

This is number used by SRS control unit to identify the trouble in SRS function. (Self-diagnosis code)

Current supply for driver's seat

This is output of SRS control unit to send current to driver's airbag assembly circuit during "Ignition device resistance test".

EEPROM

This is an electrically erasable programmable read only memory. This is a memory which can store contents without power on SRS control unit.

Ignition device

This is electric ignition device to combust gas generating agent of inflator.

Specified operating voltage range

This is voltage range from 18 to 32 V measured between "Ignition A" terminal and "Ground" terminal of SRS control unit.

Tech 2

This is diagnostic equipment to read diagnostic information from SRS control unit via diagnostic connector.

SRS control unit

This supplies backup current to deployment circuit and deploy airbag if necessary. Also it diagnoses all the SRS parts.

Serial data

This is Tech 2 information which indicates SRS operating condition.

SRS

This means supplemental restraint system.

SRS coil assembly

This is device to maintain successive continuity on deployment circuit for SRS airbag and allow steering wheel to rotate.

SRS harness

These are harnesses and connectors to connect SRS parts electrically.

Initial diagnosis

These are tests for SRS, performed by SRS control unit on the following conditions: after starter switch is "ON", immediately after "Ignition A" voltage is energized by SRS control unit, or before "Constant diagnosis". (performed within 6 seconds after starter switch is "ON")

SRS Control Unit

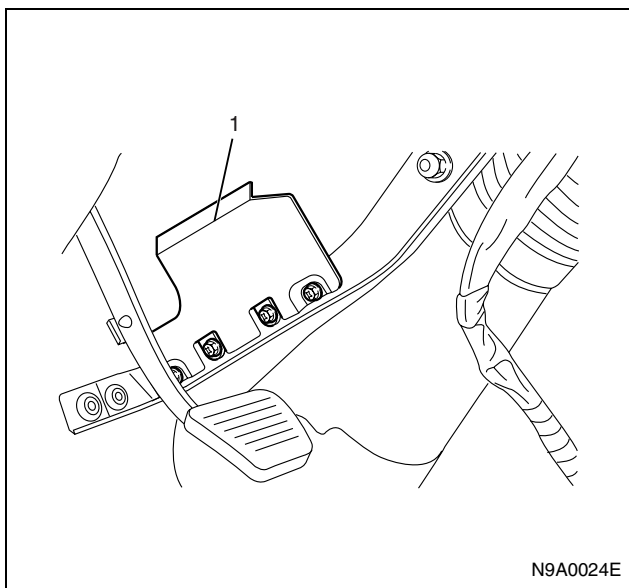
Precautions on Service Work

WARNING:

DURING SERVICE WORK, BE CAREFUL NOT TO TAP OR SHAKE THE SRS CONTROL UNIT. ALSO, FAILURE TO INSTALL THE SRS CONTROL UNIT TO VEHICLE PROPERLY MAY LEAD TO MALFUNCTION OF THE UNIT WHEN THE STARTER SWITCH IS TURNED TO ON. THIS MAY RESULT IN INJURY DUE TO SUDDEN DEPLOYMENT OF SRS AIRBAG.

Removal

1. Stop the function of SRS. (Refer to "Procedure to stop the function of SRS" in "SRS System Assembly".)
2. Remove the two bolts and protector.
3. Disconnect the SRS control unit harness connector.
4. Remove the four mounting bolts of SRS control unit and remove SRS control unit.



Legend

1. Protector

Installation

1. Install the SRS control unit to steering support bracket and tighten the mounting bolt to the specified torque.

Tighten:

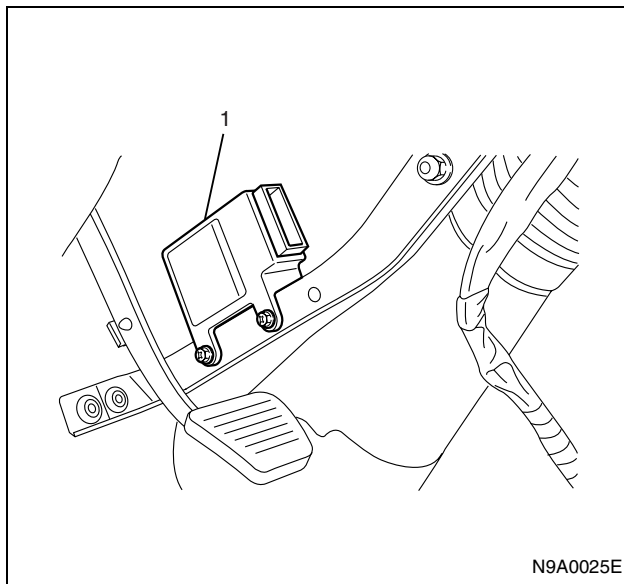
Bolt to 9.8 ± 2.9 N·m (1.0 ± 0.3 kg·m / 7.2 ± 2.1 lb·ft)

2. Connect the SRS control unit harness connector.
3. Install the protector to steering support bracket and tighten the mounting bolt to the specified torque.

Tighten:

Bolt to 8.0 ± 2.0 N·m (0.8 ± 0.2 kg·m / 5.9 ± 1.5 lb·ft)

4. Resume the function of SRS. (Refer to "Procedure to resume the function of SRS" in "SRS System Assembly".)



Legend

1. SRS control unit

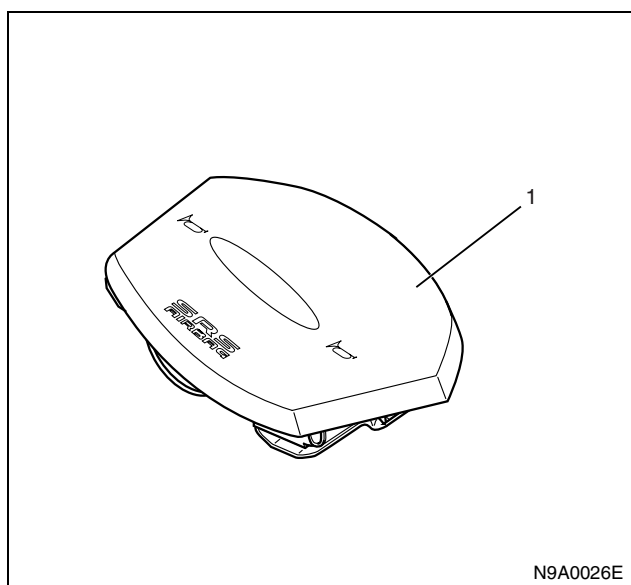
SRS Airbag Assembly

Precautions on Service Work

Procedure to Carry Undeployed SRS Airbag Assembly

Take extreme care when handling and storing undeployed airbag. In case of deployment of SRS airbag, object on the surface of SRS airbag may be blown away due to sudden generation of gas.

WARNING:
WHEN CARRYING UNDEPLOYED SRS AIRBAG ASSEMBLY, BE SURE TO TURN THE TRIM COVER TOWARD OUTSIDE TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT. ALSO, NEVER GRASP THE HARNESS OR CONNECTOR OF SRS AIRBAG TO CARRY IT.



Legend

1. Trim cover

Handling of Deployed Airbag Assembly

After SRS airbag is deployed, do not touch within 30 minutes because a burn may occur due to its heat. When handling deployed SRS airbag, wear gloves and safety goggles to protect from generated irritant and heat.

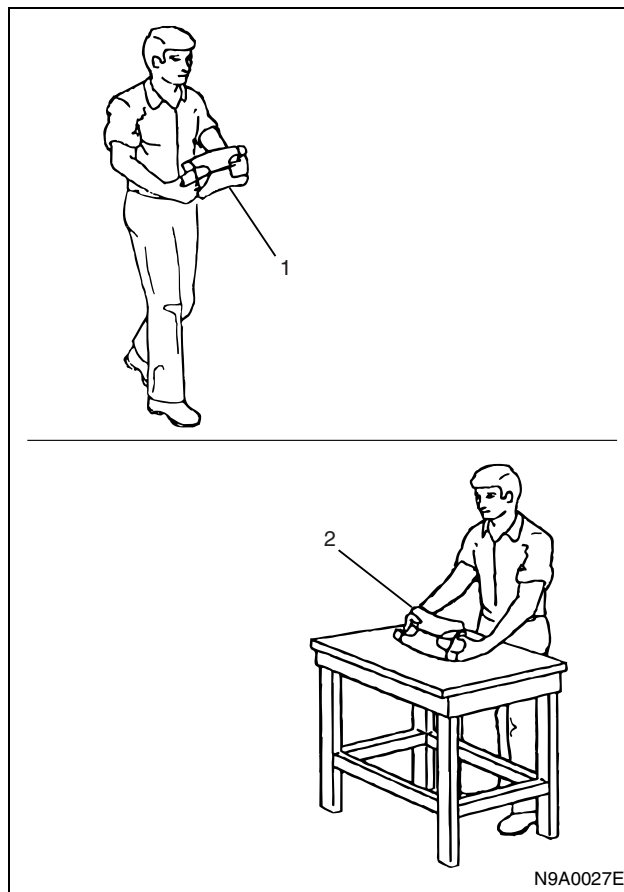
Disposal Procedure of SRS Airbag

In some cases, it may be necessary to dispose undeployed SRS airbag during usable life of the vehicle. Perform the proper disposal procedure of undeployed airbag.

To dispose undeployed SRS airbag, the airbag must be deployed compulsorily beforehand. Undeployed airbag cannot be disposed as it is.

WARNING:

FAILURE TO FOLLOW THE PROPER DISPOSAL PROCEDURE MAY CAUSE INJURY DUE TO DEPLOYMENT OF SRS AIRBAG. UNDEPLOYED AIRBAG MUST BE DEPLOYED BEFORE DISPOSAL.



Legend

1. When carrying undeployed airbag, turn the trim cover toward outside.
2. When placing undeployed airbag, be sure to turn the trim cover upward.

Precautions on Airbag Deployment Procedure for Disposal

Failure to perform the correct procedure leads to serious accident due to airbag malfunction during work. Be sure to perform the correct procedure.

1. Turn the starter switch to OFF (LOCK), disconnect the (–) terminal of battery and wait for 15 seconds before starting work.
 (Because airbag can be activated by backup power even if battery power is cut off at collision.)
2. Never disassemble airbag.
3. Do not make an impact on airbag or put it close to magnet.
 (Because it may cause airbag malfunction. It is very dangerous.)

4. Place airbag with trim cover facing upward. Never put any object on it.
5. Do not put airbag on the floor directly to perform deployment.
(Because it may be blown away for 2 to 3 meters (7 to 10 feet) due to impact.)
6. If installing airbag to vise or tire, fix it securely.
7. Place battery more than 10 m (33 ft) away from airbag.
8. Before disconnecting the harness of airbag, touch the metal parts of vehicle for body grounding of worker.
(To prevent malfunction due to static electricity)
9. Do not stand in front of airbag when handling harness.
10. Let nearby personnel know about deployment because loud sound occurs. Also, put blanket on steering wheel or tire, or close the windows to reduce deployment sound as possible if deploying in vehicle.
11. Perform the work in well-ventilated area since deployment emits smoke.
(For indoor deployment, do not perform near fire-alarm, smoke-alarm, or under fluorescent.)
12. Take care not to inhale smoke emitted on deployment.
13. Put cover on vehicle since glasses of vehicle may be broken on deployment if they are damaged.
14. Directly after airbag is deployed, leave it for 30 minutes since it is very hot.
15. Do not pour water etc. to the deployed airbag.
16. Wear protective tools such as safety goggles, gloves, etc. during work and wash them thoroughly after work.
17. Do not reuse removed airbag to equip other vehicle with.
(Because operating characteristics depend on vehicle models.)

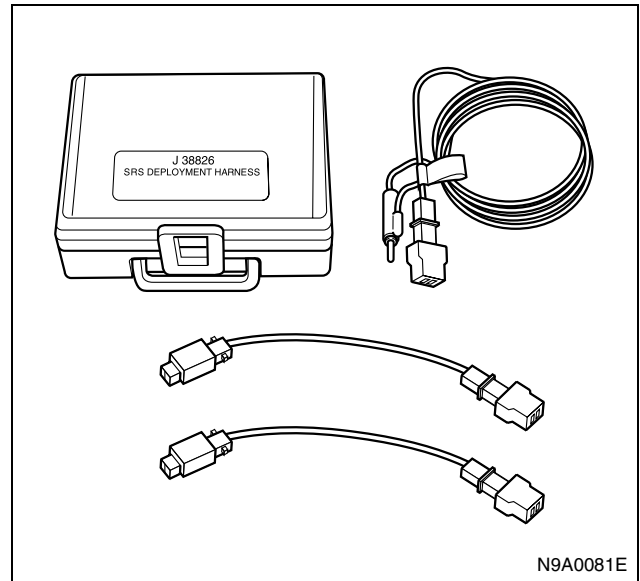
There are two methods to deploy undeployed airbag assembly: out-vehicle deployment and in-vehicle deployment.

Out-vehicle Deployment (Using Deployment Mounting tool)

WARNING:
FAILURE TO FOLLOW THE PROPER DISPOSAL PROCEDURE MAY CAUSE INJURY DUE TO DEPLOYMENT OF SRS AIRBAG. UNDEPLOYED AIRBAG MUST BE DEPLOYED BEFORE DISPOSAL.

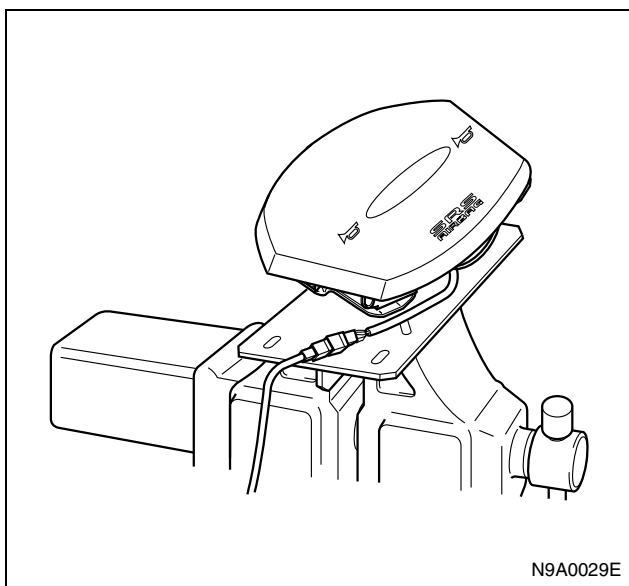
Deployment procedure must be observed to deploy the undeployed airbag assembly out of vehicle. During deployment procedure, always wear safety goggles until disposing deployed airbag assembly. Before performing deployment procedure, read carefully description to understand the service work of SRS and the proper handling of airbag assembly.

Prepare SRS airbag deployment tool (5-8840-2468-0), 2-pole extension cord, SRS deployment mounting tool (5-8840-2420-0), vise and tire for the procedure. Do not perform the procedure without these tools.

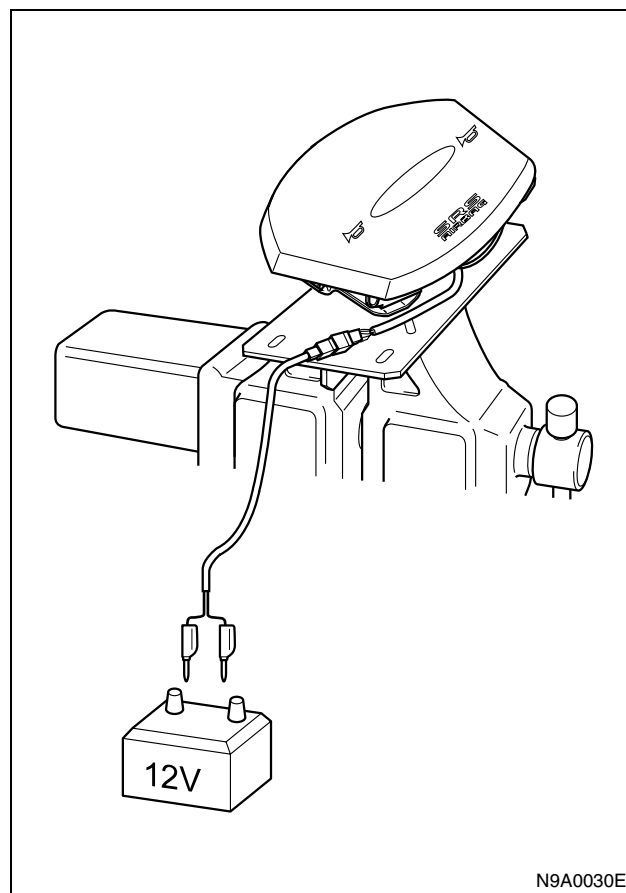


WARNING:
SRS AIRBAG ASSEMBLY DEPLOYS IMMEDIATELY AFTER CONNECTING POWER SUPPLY TO SRS DEPLOYMENT HARNESS. THEREFORE, BE SURE TO CONNECT POWER SUPPLY WITH THE HARNESS IN THE END OF THE DEPLOYMENT PROCEDURE OF SRS AIRBAG ASSEMBLY. FAILURE TO FOLLOW THIS MAY CAUSE INJURY. ALSO, ALWAYS WEAR SAFETY GOGGLES DURING DEPLOYMENT AND DISPOSAL PROCEDURES.

1. Turn the starter switch to "LOCK", remove the key and wear safety goggles.
2. Inspect SRS airbag deployment tool (5-8840-2468-0) and 2-pole extension cord for damage. If the harness or extension cord is damaged, use new one.
3. Remove the SRS airbag assembly from the vehicle. Refer to "Removal" in "SRS Airbag Assembly".
4. Make open space (diameter of more than 2 meters) for deployment of SRS airbag assembly mounted to deployment mounting tool. Outdoor paved place in which safety is secured is recommended, however well-ventilated service work place is also available. Besides, make sure that there are no objects or flammable materials in deployment area. (For indoor deployment, do not perform near fire-alarm, smoke-alarm, or under fluorescent.)
5. Install SRS airbag mounting tool (5-8840-2420-0) to vise to stabilize the tool during deployment.



6. Firmly install SRS airbag assembly with trim cover facing upward to deployment mounting tool (5-8840-2420-0) using bolt or wire.
7. Extend SRS airbag deployment harness and the 2-pole extension cord more than 10 m (33 ft) away from airbag assembly.
8. Insert a banana plug to other banana plug firmly to short two SRS airbag deployment harnesses. Do not connect SRS airbag deployment harness to power supply until the stage of deploying airbag.
9. Place the power supply near the end of extended SRS airbag deployment harness. (Battery with 12 V and 2 A or more is recommended to use.)

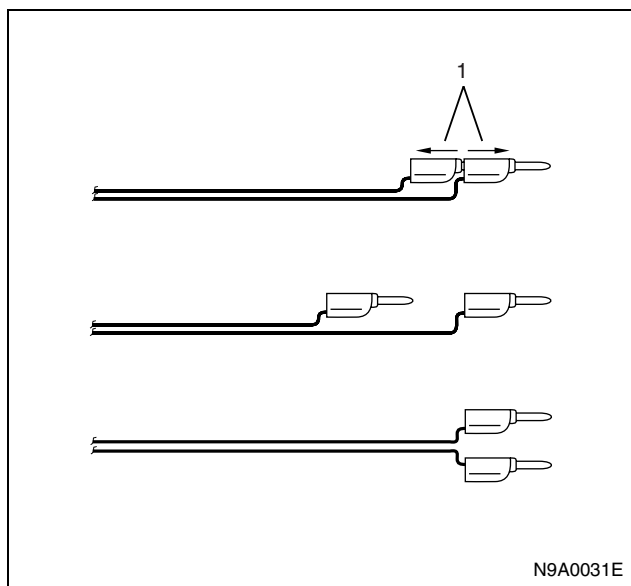


10. Connect the SRS airbag assembly to 2-pole extension cord of SRS airbag deployment harness. Do not connect deployment harness to power supply until the stage of deploying airbag because airbag deploys immediately after connecting the harness to power supply.

Caution:

Insert the extension cord to the connector of SRS airbag assembly firmly. Failure to insert connector firmly may cause the shorting bar in SRS airbag assembly connector to remain functional (remains short in deployment circuit). Therefore, SRS airbag assembly is not deployed.

11. Make sure that there are no personnel, objects or flammable materials around SRS airbag assembly.
12. Make sure that SRS airbag assembly is installed correctly and firmly to SRS deployment mounting tool (5-8840-2420-0).
13. Let nearby personnel know about deployment because loud bursting sound occurs due to sudden gas expansion when airbag is deployed.
14. Remove the two banana plugs of SRS airbag deployment harness.

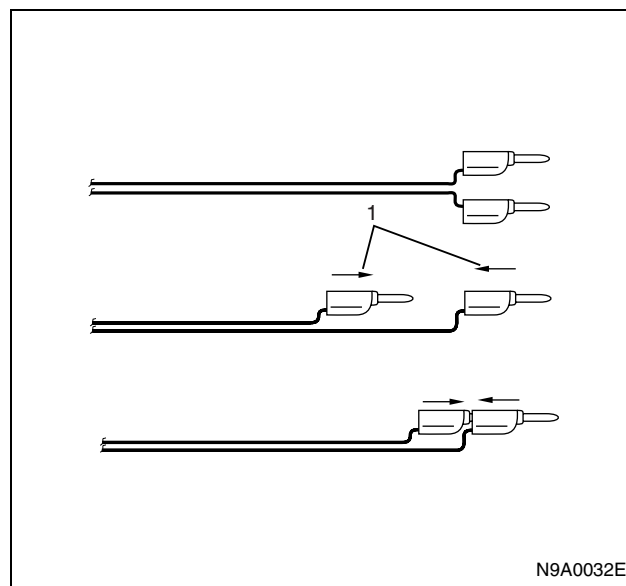
**Legend**

1. Disconnect the banana plugs.

WARNING:

SRS AIRBAG ASSEMBLY DEPLOYS IMMEDIATELY AFTER CONNECTING POWER SUPPLY TO SRS DEPLOYMENT HARNESS. THEREFORE, BE SURE TO CONNECT POWER SUPPLY WITH THE HARNESS IN THE END OF THE DEPLOYMENT PROCEDURE OF SRS AIRBAG ASSEMBLY. FAILURE TO FOLLOW THIS MAY CAUSE INJURY. ALSO, ALWAYS WEAR SAFETY GOGGLES DURING DEPLOYMENT AND DISPOSAL PROCEDURES.

15. When connecting SRS airbag deployment harness to power supply, immediately SRS airbag assembly will be deployed. Battery with 12 V and 2 A or more is recommended to use for deployment.
16. If SRS airbag assembly has not been deployed in these steps, immediately perform the steps from 22 to 24. If SRS airbag assembly has been deployed, perform steps from 17 to 21.
17. Remove the SRS airbag deployment harness from power supply.
18. Insert a banana plug to other banana plug firmly to short two SRS airbag deployment harnesses.

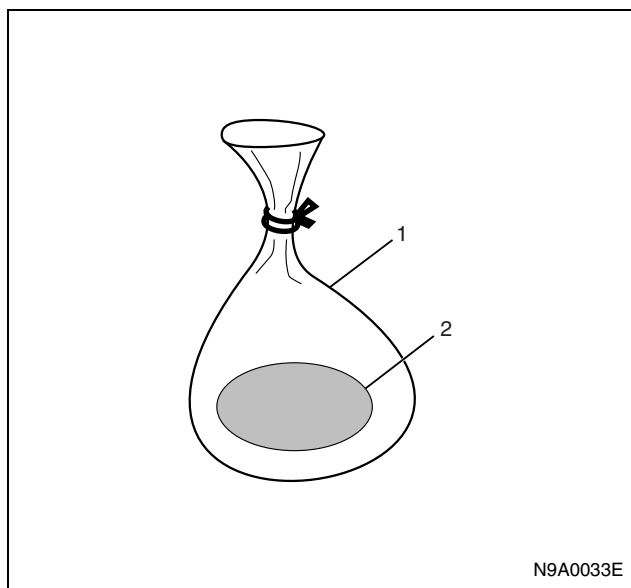
**Legend**

1. Short the banana plug.

WARNING:

FOLLOW PRECAUTIONS ABOUT SAFETY WHEN HANDLING DEPLOYED SRS AIRBAG ASSEMBLY. METAL SURFACE OF SRS AIRBAG ASSEMBLY WILL BE VERY HOT DIRECTLY AFTER DEPLOYMENT. DO NOT TOUCH IT FOR 30 MINUTES AFTERWARD. DO NOT PUT THE DEPLOYED SRS AIRBAG ASSEMBLY NEAR FLAMMABLE MATERIALS. FAILURE TO FOLLOW THIS MAY CAUSE FIRE OR INJURY. IF THE DEPLOYED SRS AIRBAG ASSEMBLY NEEDS TO BE MOVED BEFORE IT COOLS DOWN, WEAR GLOVES AND GRASP THE SRS AIRBAG OR TRIM COVER TO MOVE.

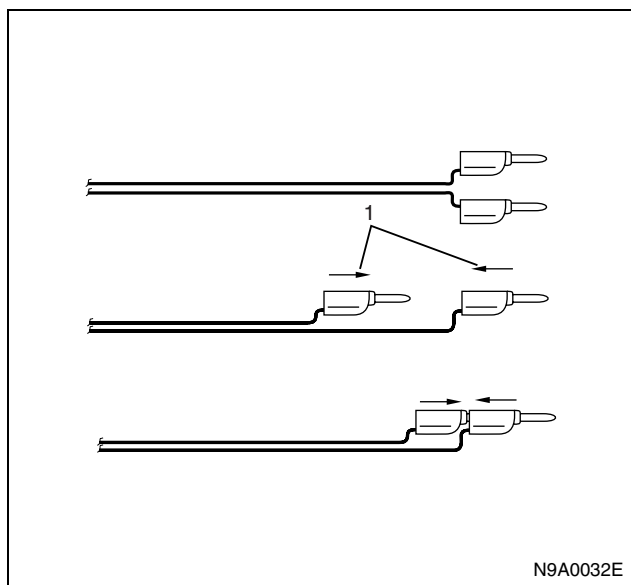
19. Remove the 2-pole extension cord from SRS airbag assembly soon after deployment to prevent the extension cord and SRS airbag deployment harness from touching the hot metal parts. 2-pole extension cord and deployment harness are reusable. However, inspect them for damage every time after deployment, and replace them if necessary.
20. Leave the deployed SRS airbag assembly for more than 30 minutes to cool down, and put it in sturdy vinyl bag and seal it. Dispose it in the normal disposal procedure.



Legend

1. Sturdy vinyl bag
2. Deployed airbag

21. Wash out your hands with soap thoroughly.
22. Remove the SRS airbag deployment harness from power supply and insert the banana plug to the other banana plug firmly to short two banana plugs.



Legend

1. Short the banana plug.

23. Disconnect the 2-pole extension cord from SRS airbag assembly.

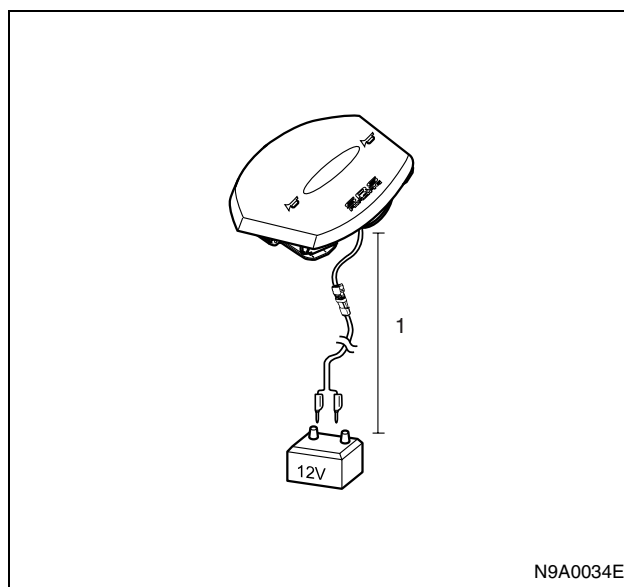
WARNING:
WHEN STORING UNDEPLOYED SRS AIRBAG ASSEMBLY, OR LEAVE IT UNATTENDED ON WORKBENCH OR SOMEWHERE ELSE, BE SURE TO TURN THE TRIM COVER UPWARD TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT.

24. Store temporarily the SRS airbag assembly with the trim cover facing upward. Do not pile it up.

Out-vehicle Deployment (Method of Securing to Tire)

Thoroughly understand description in “Precautions on airbag deployment procedure for disposal” and precautions in “How to secure to deployment mounting tool” to perform safely.

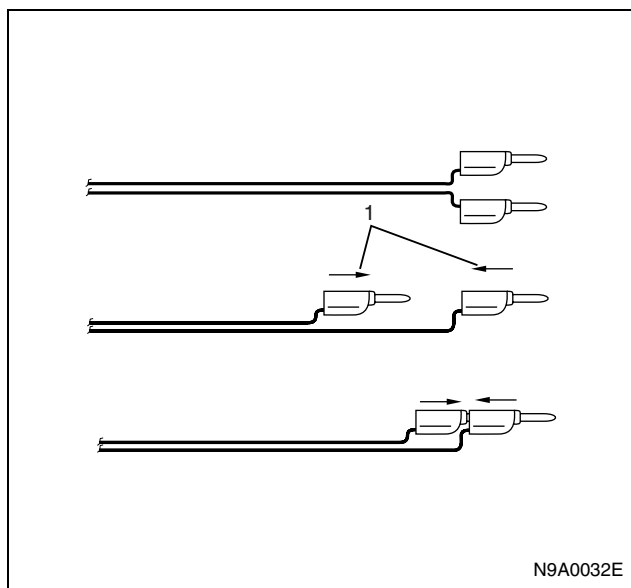
1. Refer to “Removal” in “SRS Airbag Assembly” to remove SRS airbag assembly from the vehicle.
2. Inspect the 2-pole extension cord of SRS deployment for damage. If the harness or extension cord is damaged, use new one.
3. Extend the 2-pole extension cord more than 10 m (33 ft) away from airbag assembly.
4. Place the power supply near the end of extended SRS airbag deployment harness. (Battery with 12 V and 2 A or more is recommended to use.)



Legend

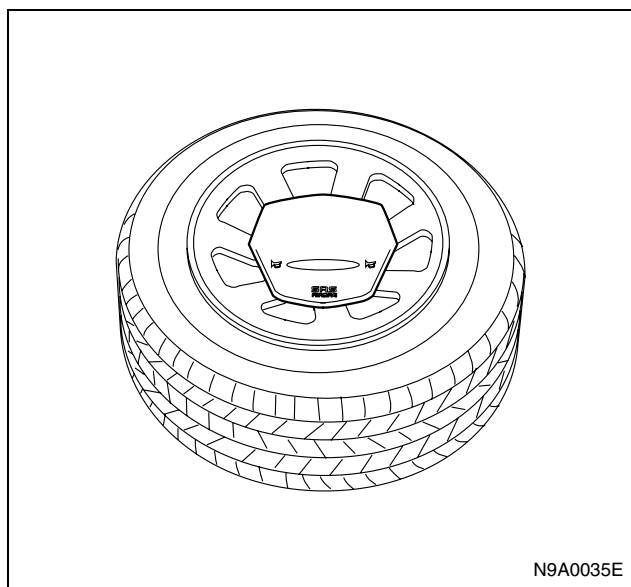
1. Keep more than 10 m (33 ft) away.

5. Insert the banana plug on the end of harness to the other banana plug firmly to short two SRS airbag deployment harnesses. Do not connect SRS airbag deployment harness to power supply until the stage of deploying airbag.

**Legend**

1. Short the banana plug.

6. Prepare three tires (15-inch or more) without wheel and two tires (same size) with wheel.
7. How to secure driver's airbag
 - a. Secure the airbag with the trim cover facing upward to the tire with wheel. Wind automotive wire harness (cross-section of 1.25 mm² or more) or wire in triple-round at two locations to secure firmly.

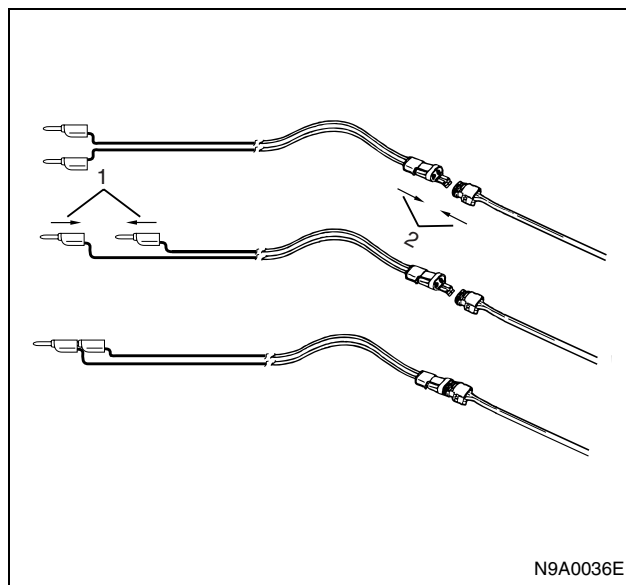


- b. Connect the SRS airbag assembly to 2-pole extension cord of airbag deployment harness. Do not connect deployment harness to power supply until the stage of deploying airbag because airbag deploys immediately after connecting the harness to power supply.

Caution:

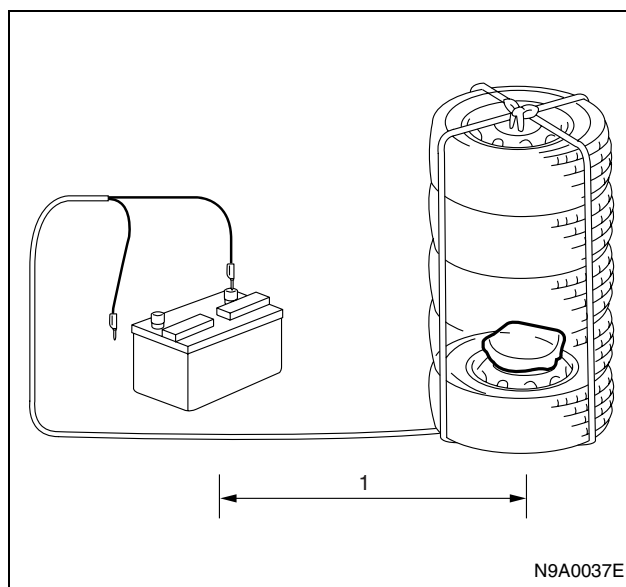
Insert the extension cord to the connector of SRS airbag assembly firmly. Failure to insert connector firmly may

cause the shorting bar in SRS airbag assembly connector to remain functional (remains short in deployment circuit). Therefore, SRS airbag assembly is not deployed.

**Legend**

1. Short the banana plug.
2. Connect the connector.

- c. Pile up three tires without wheel onto the tire, which secures airbag, and pile up a tire with wheel onto the top of them. Secure them firmly to prevent tires from tumbling down using ropes at four locations.

**Legend**

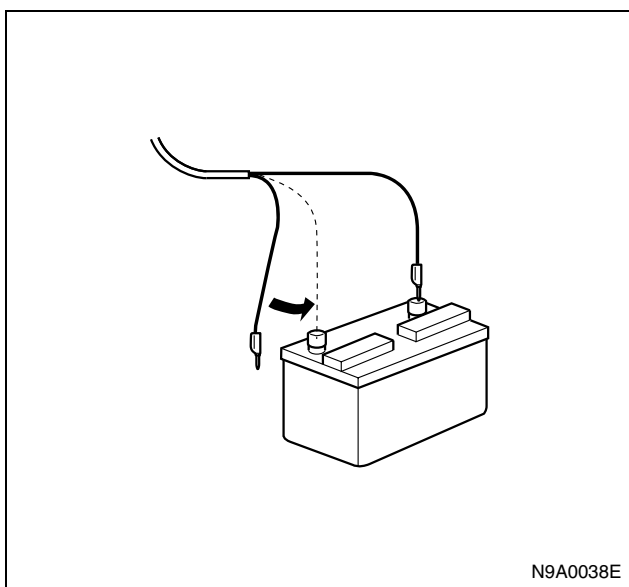
1. Keep more than 10 m (33 ft) away.

8. Let nearby personnel know about deployment because loud bursting sound occurs due to sudden gas expansion when airbag is deployed.

WARNING:

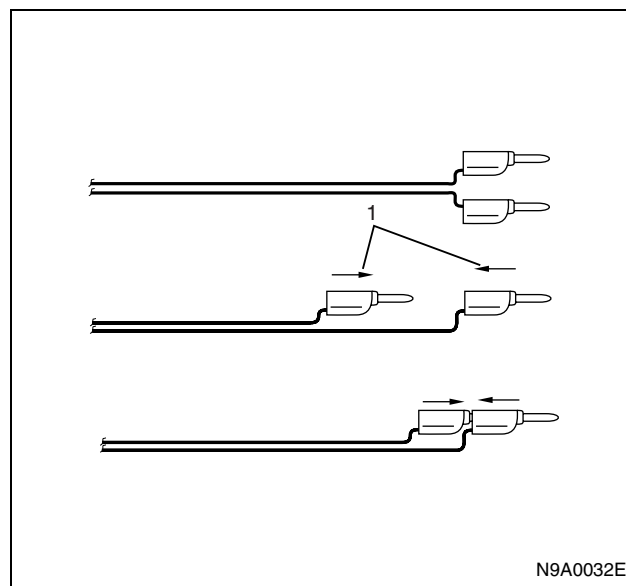
SRS AIRBAG ASSEMBLY DEPLOYS IMMEDIATELY AFTER CONNECTING POWER SUPPLY TO SRS DEPLOYMENT HARNESS. THEREFORE, BE SURE TO CONNECT POWER SUPPLY WITH THE HARNESS IN THE END OF THE DEPLOYMENT PROCEDURE OF SRS AIRBAG ASSEMBLY. FAILURE TO FOLLOW THIS MAY CAUSE INJURY. ALSO, ALWAYS WEAR SAFETY GOGGLES DURING DEPLOYMENT AND DISPOSAL PROCEDURES.

9. Connect the SRS airbag deployment harness to power supply. Immediately SRS airbag assembly will be deployed.

**WARNING:**

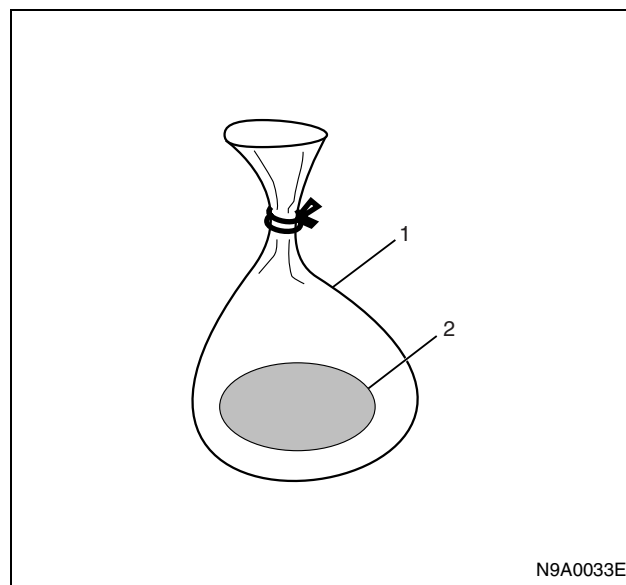
FOLLOW PRECAUTIONS ABOUT SAFETY WHEN HANDLING DEPLOYED SRS AIRBAG ASSEMBLY. METAL SURFACE OF SRS AIRBAG ASSEMBLY WILL BE VERY HOT DIRECTLY AFTER DEPLOYMENT. DO NOT TOUCH IT FOR 30 MINUTES AFTERWARD. DO NOT PUT THE DEPLOYED SRS AIRBAG ASSEMBLY NEAR FLAMMABLE MATERIALS. FAILURE TO FOLLOW THIS MAY CAUSE FIRE OR INJURY. IF THE DEPLOYED SRS AIRBAG ASSEMBLY NEEDS TO BE MOVED BEFORE IT COOLS DOWN, WEAR GLOVES AND GRASP THE SRS AIRBAG OR TRIM COVER TO MOVE.

10. If SRS airbag assembly has not been deployed in these steps, immediately perform the steps from 15 to 17. If SRS airbag assembly has been deployed, perform steps from 11 to 14.
11. Remove the SRS airbag deployment harness from power supply and insert the banana plug to the other banana plug firmly to short two banana plugs.

**Legend**

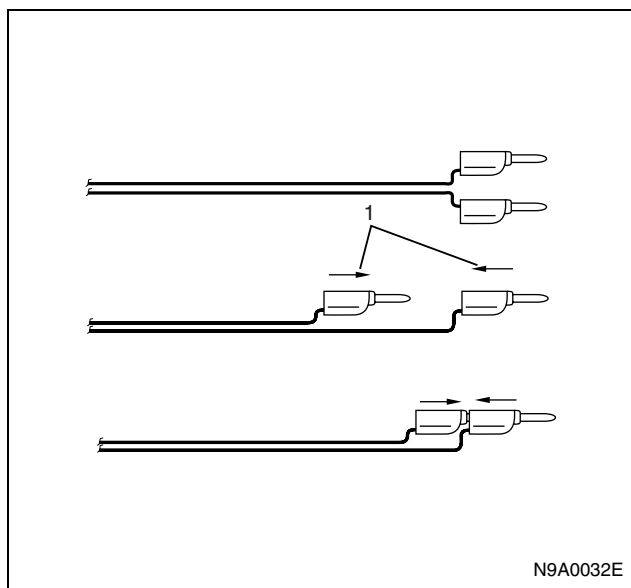
1. Short the banana plug.

12. Disconnect the 2-pole extension cord from SRS airbag assembly.
13. Leave the deployed SRS airbag assembly for more than 30 minutes to cool down, and put it in sturdy vinyl bag and seal it. Dispose it in the normal disposal procedure.

**Legend**

1. Sturdy vinyl bag
2. Deployed airbag

14. Wash out your hands with soap thoroughly.
15. Remove the SRS airbag deployment harness from power supply and insert the banana plug to the other banana plug firmly to short two banana plugs.

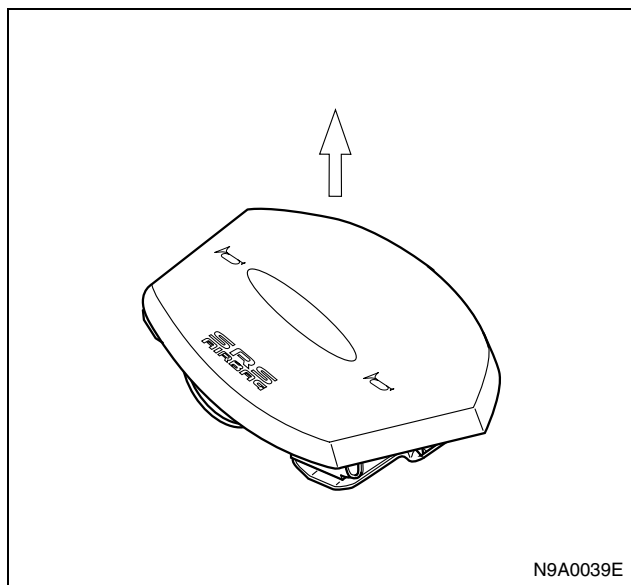
**Legend**

1. Short the banana plug.

16. Disconnect the 2-pole extension cord from SRS airbag assembly.

WARNING:
WHEN STORING UNDEPLOYED SRS AIRBAG ASSEMBLY, OR LEAVE IT UNATTENDED ON WORK-BENCH OR SOMEWHERE ELSE, BE SURE TO TURN THE TRIM COVER UPWARD TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT.

17. Store temporarily the SRS airbag with the trim cover facing upward. Do not pile it up.



In-vehicle Deployment (Using SRS Deployment Harness)

For discarding vehicle or collecting vehicle parts, in-vehicle deployment is proper. This may be one of the following situations.

- Usable life of vehicle ended.
- Vehicle has got damaged without deployment and it is impossible to be repaired.
- Vehicle was stolen and it is ripped off or damaged.

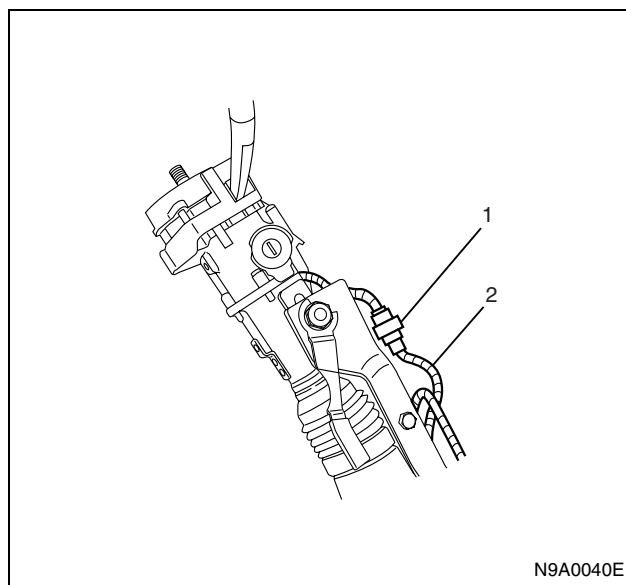
Caution:

If collecting the parts from vehicle to reuse for other one, never reuse SRS parts.

WARNING:

FAILURE TO FOLLOW THE PROPER DISPOSAL PROCEDURE MAY CAUSE INJURY DUE TO DEPLOYMENT OF SRS AIRBAG. UNDEPLOYED AIRBAG MUST BE DEPLOYED BEFORE DISPOSAL.

1. Turn the starter switch to "LOCK", remove the key and wear safety goggles.
2. Remove all unnecessary objects inside vehicle.
3. Disconnect the 2-pole connector (yellow) of SRS coil. It is located in the lower portion of steering column.

**Legend**

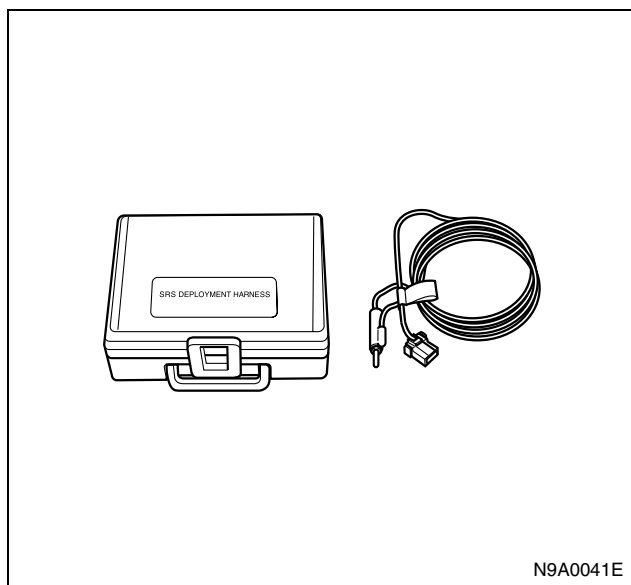
1. Connector (yellow)
2. SRS coil harness (yellow)

4. Insert a banana plug to other banana plug firmly to short two SRS airbag deployment harnesses. Do not connect SRS airbag deployment harness to power supply until the stage of deploying airbag.

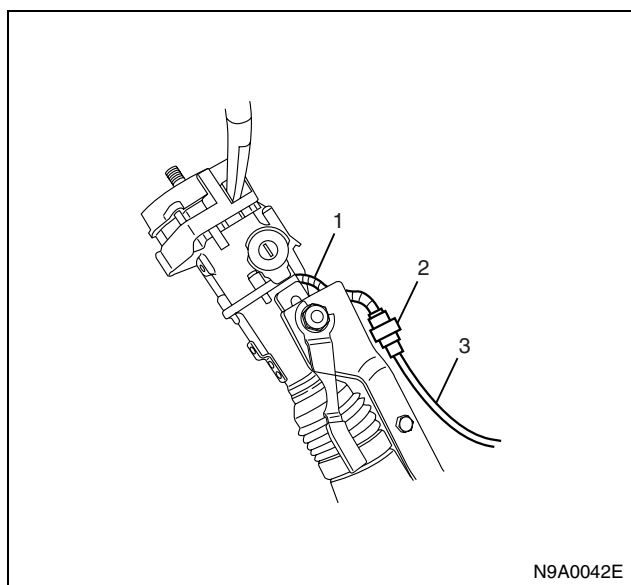
WARNING:

SRS AIRBAG ASSEMBLY DEPLOYS IMMEDIATELY AFTER CONNECTING POWER SUPPLY TO SRS DEPLOYMENT HARNESS. THEREFORE, BE SURE TO CONNECT POWER SUPPLY WITH THE HARNESS IN THE END OF THE DEPLOYMENT PROCEDURE OF

SRS AIRBAG ASSEMBLY. FAILURE TO FOLLOW THIS MAY CAUSE INJURY. ALSO, ALWAYS WEAR SAFETY GOGGLES DURING DEPLOYMENT AND DISPOSAL PROCEDURES.



5. Take the SRS deployment harness out of vehicle from driver's side.
6. Make sure that there are no personnel, objects or flammable materials in or around the vehicle.
7. Extend the SRS deployment harness to keep a enough distance from it.
8. Cover windshield glass and front door glass with cloth or blanket completely. (Because personal injury may occur due to vehicle glasses or broken pieces of internal parts.)
9. Let nearby personnel know about deployment because loud bursting sound occurs due to sudden gas expansion when airbag is deployed.
10. Connect the SRS deployment harness to the disconnected harness of SRS coil harness side.



Legend

1. SRS coil harness (yellow)
2. Connector (yellow)
3. SRS deployment harness

11. Remove the insertion of banana plug on the end of SRS deployment harness.

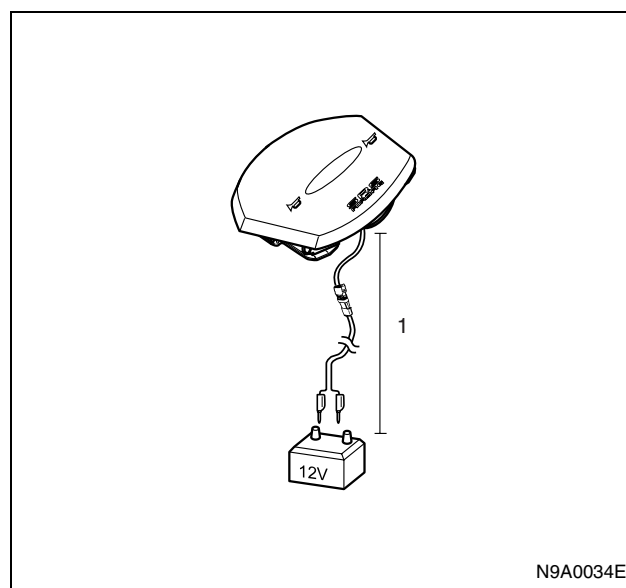
WARNING:

SRS AIRBAG ASSEMBLY DEPLOYS IMMEDIATELY AFTER CONNECTING POWER SUPPLY TO SRS DEPLOYMENT HARNESS. THEREFORE, BE SURE TO CONNECT POWER SUPPLY WITH THE HARNESS IN THE END OF THE DEPLOYMENT PROCEDURE OF SRS AIRBAG ASSEMBLY. FAILURE TO FOLLOW THIS MAY CAUSE INJURY. ALSO, ALWAYS WEAR SAFETY GOGGLES DURING DEPLOYMENT AND DISPOSAL PROCEDURES.

Caution:

Let nearby personnel know about SRS deployment because loud bursting sound occurs due to sudden gas expansion when SRS airbag is deployed.

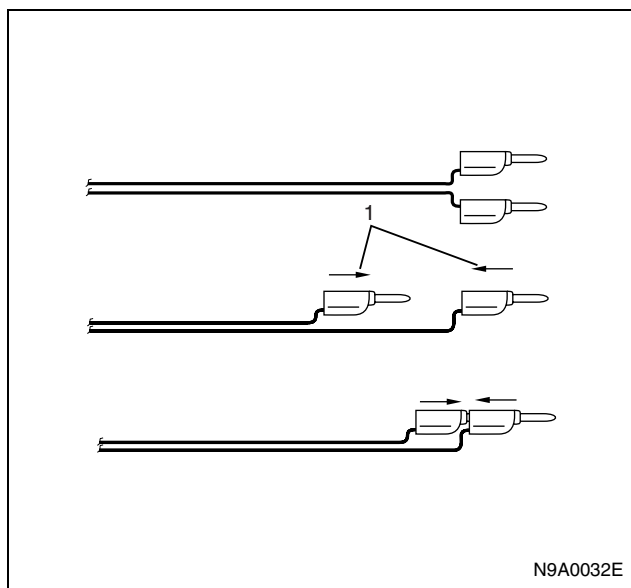
12. When connecting the banana plug of SRS deployment harness to power supply, immediately SRS airbag will be deployed. Battery with 12 V and 2 A or more is recommended to use.



Legend

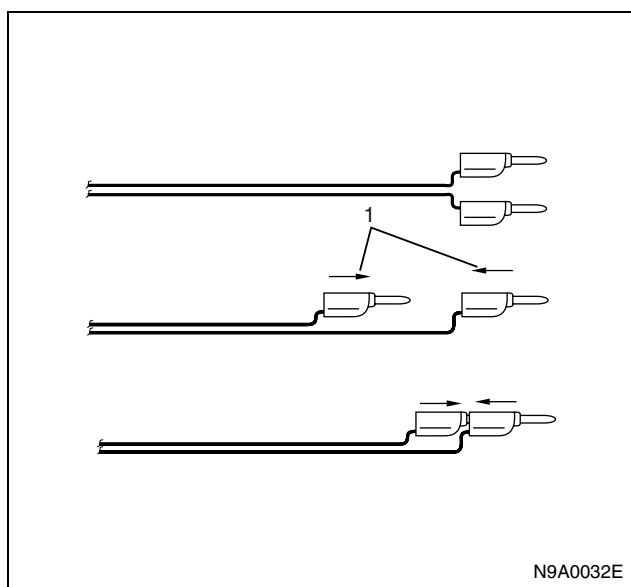
1. Keep more than 10 m (33 ft) (safe distance) away.

13. If SRS airbag has not been deployed in these steps, perform the steps from 18 to 22. If SRS airbag has been deployed, perform steps from 14 to 17.
14. Take out the SRS airbag deployment harness from power supply and insert the banana plug to the other banana plug firmly to short two banana plugs.

**Legend**

1. Short the banana plug.

15. Carefully remove the cloth from the vehicle, and remove broken pieces from it or dispose itself.
16. Remove the SRS deployment harness from the vehicle.
17. After deploying SRS airbag, the vehicle can be disposed in the same method as vehicles non-equipped with SRS airbag.
18. Take out the SRS airbag deployment harness from power supply and insert the banana plug to the other banana plug firmly to short two banana plugs.

**Legend**

1. Short the banana plug.

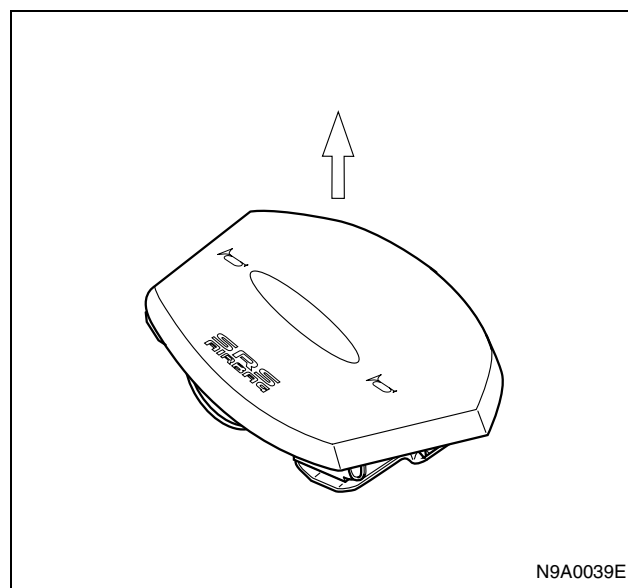
19. Remove the cloth from the vehicle.
20. Remove the SRS deployment harness from the vehicle.

21. Remove the undeployed SRS airbag from the vehicle. Refer to "Removal" in "SRS Airbag Assembly" for SRS airbag.

WARNING:

WHEN STORING UNDEPLOYED SRS AIRBAG ASSEMBLY, OR LEAVE IT UNATTENDED ON WORKBENCH OR SOMEWHERE ELSE, BE SURE TO TURN THE TRIM COVER UPWARD TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT.

22. Store temporarily the SRS airbag with the trim cover facing upward. Do not pile it up.

**In-vehicle Deployment (Using SRS Airbag Onboard Deployment tool)**

For discarding vehicle or collecting vehicle parts, in-vehicle deployment is proper. This may be one of the following situations.

- Usable life of vehicle ended.
- Vehicle has got damaged without deployment and it is impossible to be repaired.
- Vehicle was stolen and it is ripped off or damaged.

Caution:

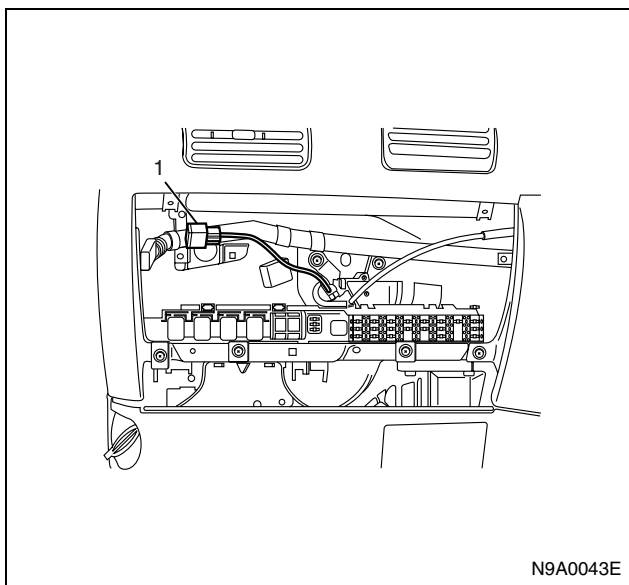
If collecting the parts from vehicle to reuse for other one, never reuse SRS parts.

WARNING:

FAILURE TO FOLLOW THE PROPER DISPOSAL PROCEDURE MAY CAUSE INJURY DUE TO DEPLOYMENT OF SRS AIRBAG. UNDEPLOYED AIRBAG MUST BE DEPLOYED BEFORE DISPOSAL.

1. Disconnect the battery of disposal vehicle to cut off power supply to SRS control unit.
2. Remove all objects on the front seats.

3. Remove the glove box, and connect the SRS airbag onboard deployment tool to disposal connector on vehicle side.



Legend

1. Disposal connector

4. Place SRS airbag onboard deployment tool away from it.
5. Make sure that there are no personnel, objects or flammable materials in or around the vehicle.
6. Cover windshield glass and front door glass with cloth or blanket completely. This reduces possibility of injury due to glasses or broken pieces of internal parts.
7. Turn on the SRS airbag onboard deployment tool. This activates SRS control unit to be ready for deployment.

Caution:

Let nearby personnel know about SRS deployment because loud bursting sound occurs due to sudden gas expansion when SRS airbag is deployed.

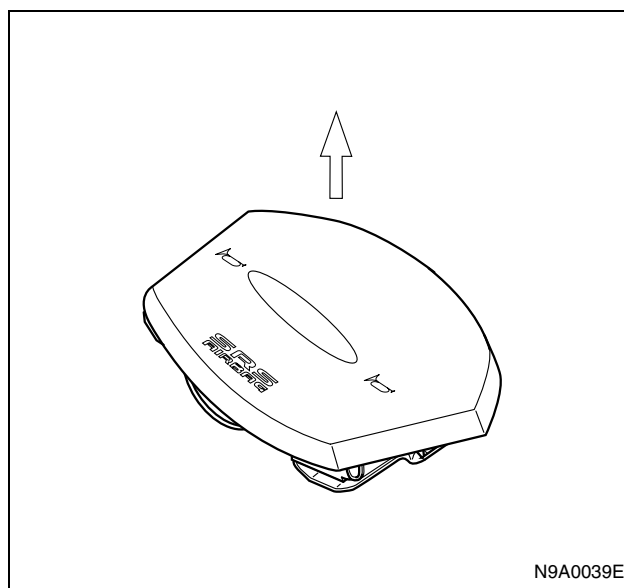
8. Press the two ignition switches on SRS airbag onboard deployment tool at the same time to deploy the airbag. When handling deployed SRS airbag, wear gloves and safety goggles to protect from generated irritant and heat.
9. If SRS airbag has not been deployed in these steps, perform the steps from 10 to 11, then from 13 to 14. If SRS airbag has been deployed, perform steps from 10 to 12.
10. Carefully remove the cloth from the vehicle, and remove broken pieces from it or dispose itself.
11. Remove the SRS airbag onboard deployment tool from the vehicle.
12. After deploying SRS airbag, the vehicle can be disposed in the same method as vehicles non-equipped with SRS airbag.

13. Remove the undeployed SRS airbag from the vehicle. Refer to "Removal" in "SRS Airbag Assembly" for SRS airbag.

WARNING:

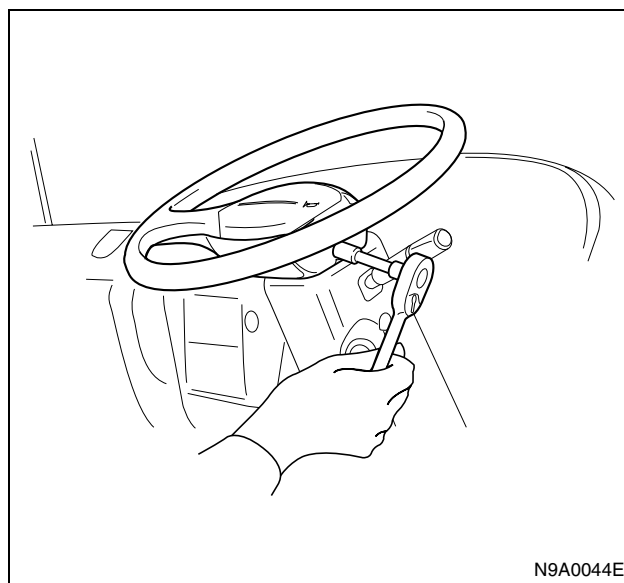
WHEN STORING UNDEPLOYED SRS AIRBAG ASSEMBLY, OR LEAVE IT UNATTENDED ON WORKBENCH OR SOMEWHERE ELSE, BE SURE TO TURN THE TRIM COVER UPWARD TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT.

14. Store temporarily the SRS airbag with the trim cover facing upward. Do not pile it up.

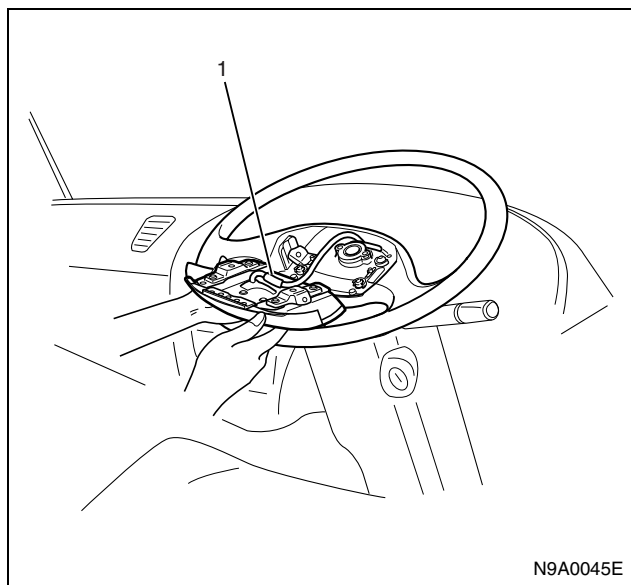


Removal

1. Stop the function of SRS. (Refer to "Procedure to stop the function of SRS" in "SRS System Assembly".)
2. Loosen the mounting bolt from the back of steering wheel using TORX® driver or equivalent to remove SRS airbag.



3. Disconnect the 2-pole airbag harness connector (yellow) and horn harness located in the back of SRS airbag and remove the airbag.

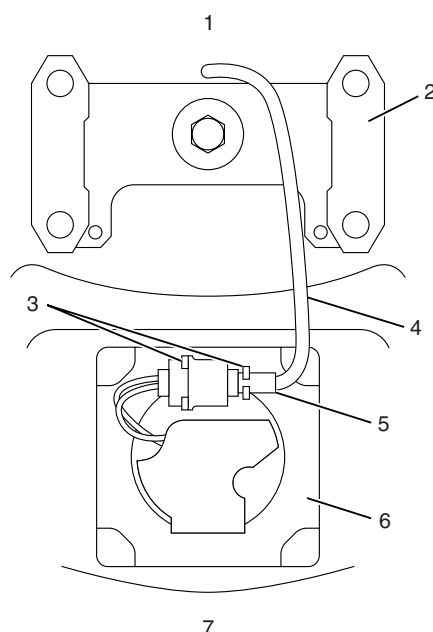


Legend

1. Airbag harness connector

Installation

1. Connect the 2-pole airbag harness connector (yellow) and horn connector located in the back of SRS airbag.
2. Secure the connector and harness.



N9A0046E

Legend

- | | |
|-----------------------------|------------------------------------|
| 1. Front of steering wheel | 5. Connector |
| 2. Steering wheel | 6. Back side of SRS airbag |
| 3. Connector holder portion | 7. Forward direction of SRS airbag |
| 4. Airbag harness | |

3. Install the SRS airbag to steering wheel and tighten the bolt.

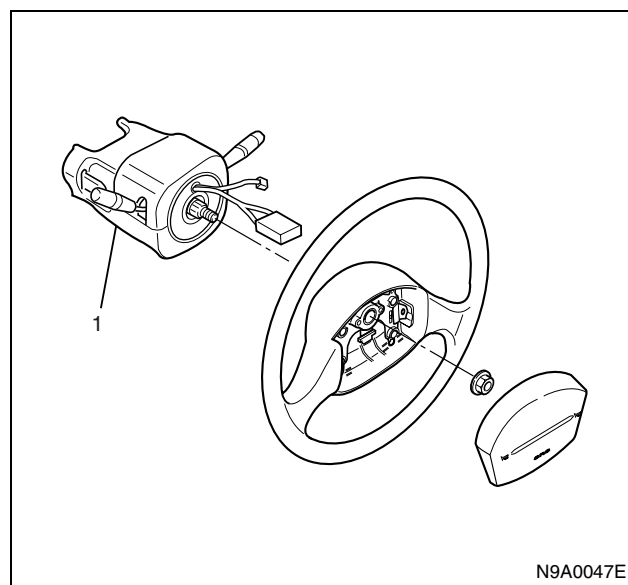
Tighten:

Bolt to 8.0 ± 2.0 N·m (0.8 ± 0.2 kg·m / 5.9 ± 1.5 lb·ft)

WARNING:

DO NOT USE SRS AIRBAG OF OTHER VEHICLE OR MODEL. BE SURE TO CONFIRM THE PART NUMBER TO USE APPROPRIATE SRS AIRBAG.

4. Resume the function of SRS. (Refer to "Procedure to resume the function of SRS" in "SRS System Assembly".)



N9A0047E

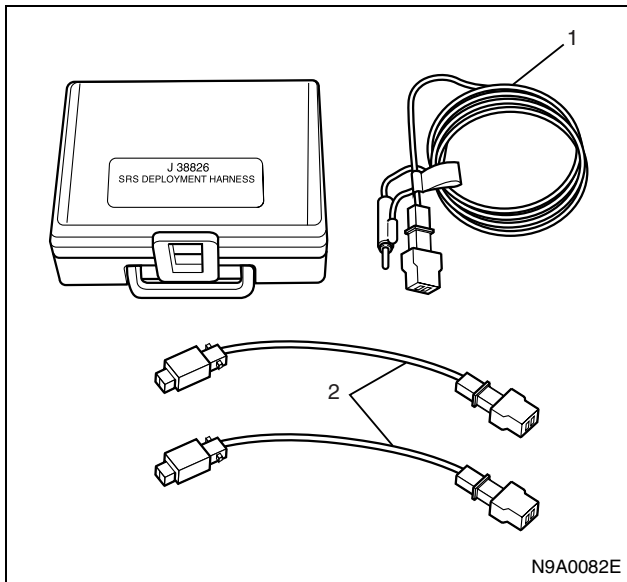
Legend

1. SRS coil and combination switch

Special Tool

5-8840-2468-0 SRS airbag deployment tool

When deploying undeployed SRS airbag, the following SRS airbag deployment tool (5-8840-2468-0) must be used.

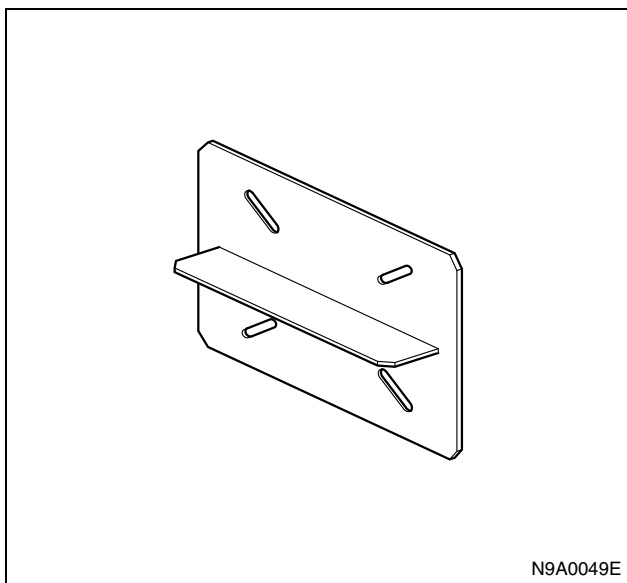


Legend

- 1. SRS airbag deployment harness
- 2. 2-pole extension cord

5-8840-2420-0 SRS deployment mounting tool

When deploying undeployed SRS airbag, SRS deployment mounting tool (5-8840-2420-0) must be used.



Steering Wheel

Precautions on Service Work

WARNING:

FOLLOW PRECAUTIONS ABOUT SAFETY WHEN HANDLING DEPLOYED SRS AIRBAG ASSEMBLY. METAL SURFACE OF SRS AIRBAG ASSEMBLY WILL BE VERY HOT DIRECTLY AFTER DEPLOYMENT. DO NOT TOUCH IT FOR 30 MINUTES AFTERWARD. DO NOT PUT THE DEPLOYED SRS AIRBAG ASSEMBLY NEAR FLAMMABLE MATERIALS. FAILURE TO FOLLOW THIS MAY CAUSE FIRE OR INJURY. IF THE DEPLOYED SRS AIRBAG ASSEMBLY NEEDS TO BE MOVED BEFORE IT COOLS DOWN, WEAR GLOVES AND GRASP THE SRS AIRBAG OR TRIM COVER TO MOVE.

WARNING:

WHEN CARRYING UNDEPLOYED SRS AIRBAG ASSEMBLY, BE SURE TO TURN THE TRIM COVER TOWARD OUTSIDE TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT. ALSO, NEVER GRASP THE HARNESS OR CONNECTOR OF SRS AIRBAG TO CARRY IT.

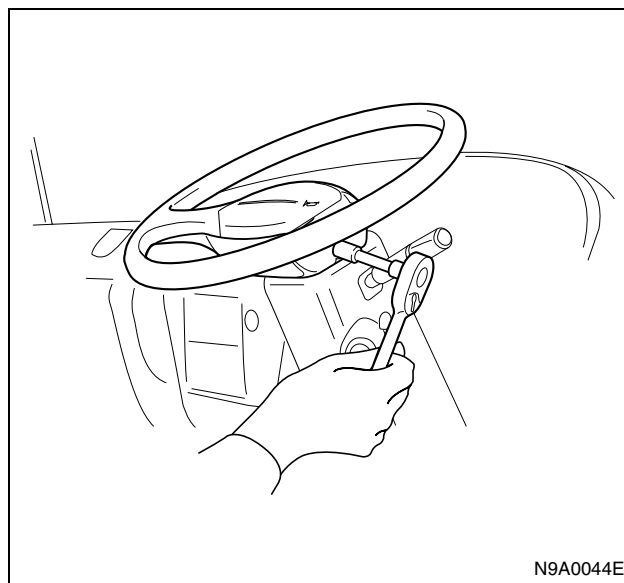
WHEN STORING UNDEPLOYED SRS AIRBAG ASSEMBLY, OR LEAVE IT UNATTENDED ON WORKBENCH OR SOMEWHERE ELSE, BE SURE TO TURN THE TRIM COVER UPWARD TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT.

Caution:

If deployment occurs, replace the coil assembly.

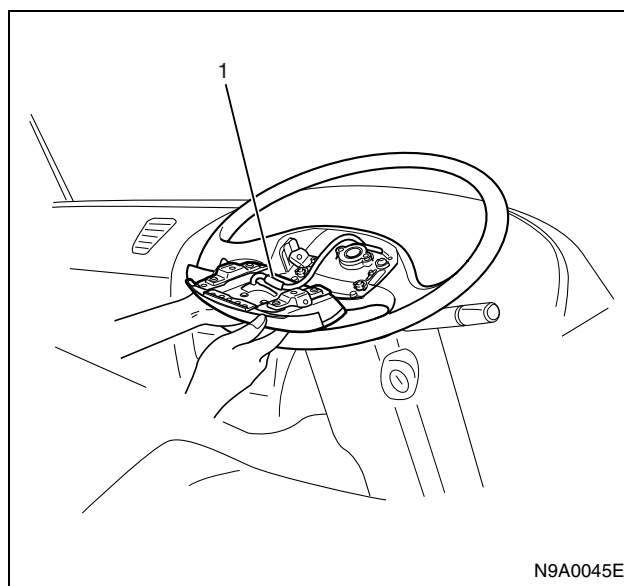
Removal

1. Stop the function of SRS. (Refer to "Procedure to stop the function of SRS".)
2. Loosen the mounting bolt from the back of steering wheel assembly using TORX® driver or equivalent to remove SRS airbag assembly.



N9A0044E

3. Disconnect the 2-pole connector (yellow) and horn harness located in the back of airbag assembly and remove the airbag.

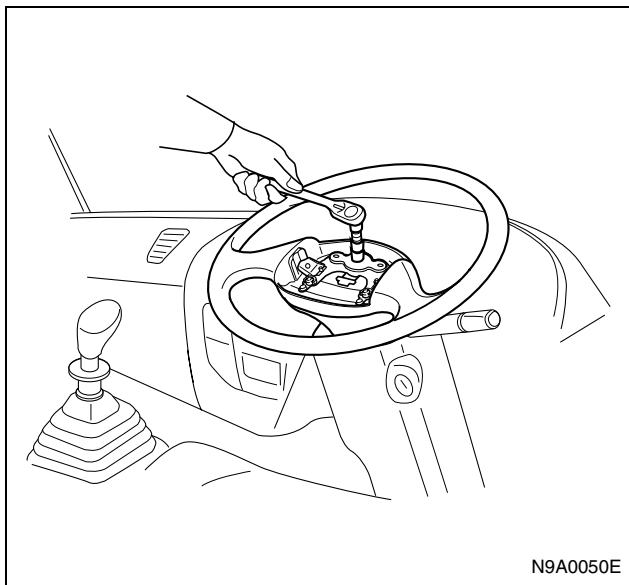


N9A0045E

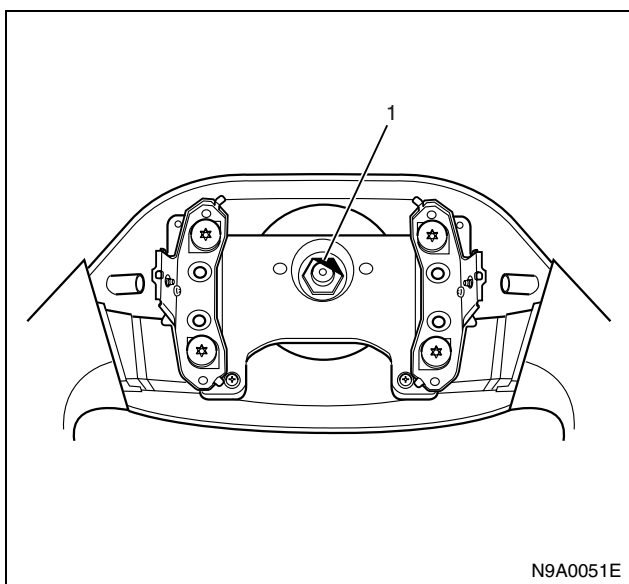
Legend

1. Airbag harness connector

4. Remove the nut which installs steering wheel.



5. Put the setting marks on steering wheel and shaft in order to reassemble parts to the original position.



Legend

1. Setting mark

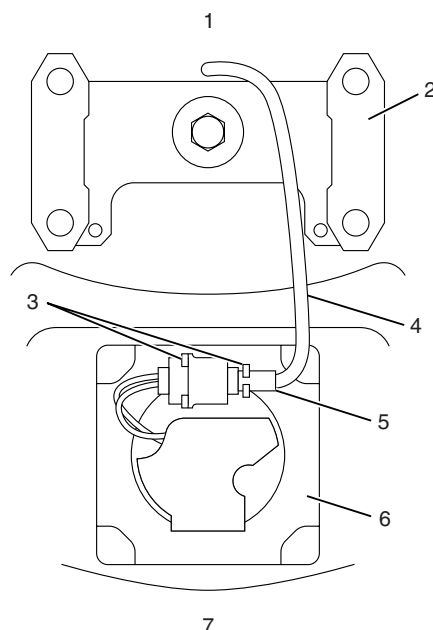
6. Set tires in straight position before removing steering wheel. Install the steering wheel puller (5-8840-2035-0) to steering wheel and remove it.
7. After removing the cover of harness through hole, put wire into wheel to remove steering wheel.

Caution:

Steering shaft has function as shock absorber. Do not apply a force in the direction of steering wheel shaft. When removing the steering wheel, use special tool.

Installation

1. Make sure that tires are in the straight position.
2. While checking the engagement in canceller of flasher, install steering wheel straight and align the setting marks.



N9A0046E

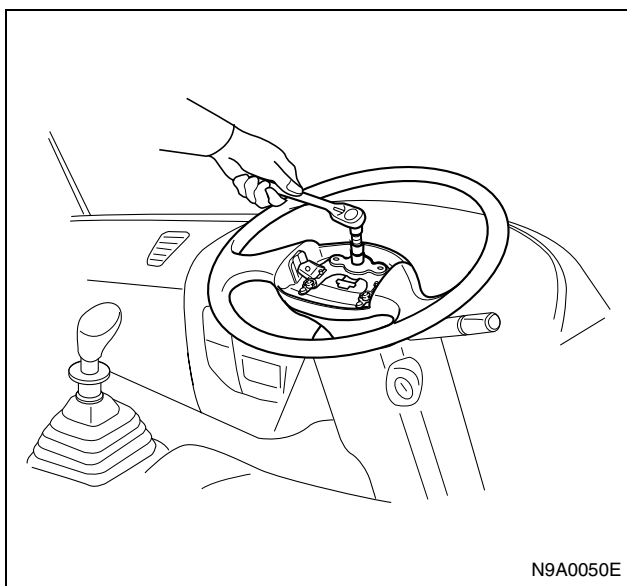
Legend

- | | |
|-----------------------------|------------------------------------|
| 1. Front of steering wheel | 5. Connector |
| 2. Steering wheel | 6. Back side of SRS airbag |
| 3. Connector holder portion | 7. Forward direction of SRS airbag |
| 4. Airbag harness | |

3. Tighten the mounting nut which installs steering wheel to the specified torque.

Tighten:

Nut to $42.0 \pm 6.8 \text{ N}\cdot\text{m}$ ($4.3 \pm 0.7 \text{ kg}\cdot\text{m}$ / $31.0 \pm 5.0 \text{ lb}\cdot\text{ft}$)



N9A0050E

4. Put the harness through the harness through hole and assembly the cover.
5. Connect the 2-pole connector (yellow) and horn harness located in the back of SRS airbag.
6. Secure the connector and harness.
7. Install the SRS airbag to steering wheel and tighten the bolt to the specified torque.

Tighten:

Bolt to $8.0 \pm 2.0 \text{ N}\cdot\text{m}$ ($0.8 \pm 0.2 \text{ kg}\cdot\text{m}$ / $5.9 \pm 1.5 \text{ lb}\cdot\text{ft}$)

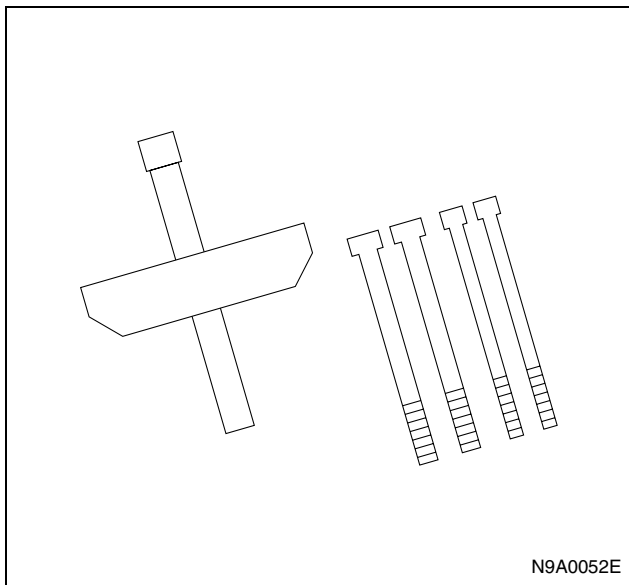
WARNING:

NEVER USE SRS AIRBAG OF OTHER VEHICLE. BE SURE TO CONFIRM THE PART NUMBER TO USE APPROPRIATE SRS AIRBAG.

8. Resume the function of SRS. (Refer to "Procedure to resume the function of SRS".)

Special tool

5-8840-2035-0 Steering wheel puller



SRS Coil Assembly

Precautions on Service Work

WARNING:

FOLLOW PRECAUTIONS ABOUT SAFETY WHEN HANDLING DEPLOYED SRS AIRBAG ASSEMBLY. METAL SURFACE OF SRS AIRBAG ASSEMBLY WILL BE VERY HOT DIRECTLY AFTER DEPLOYMENT. DO NOT TOUCH IT FOR 30 MINUTES AFTERWARD. DO NOT PUT THE DEPLOYED SRS AIRBAG ASSEMBLY NEAR FLAMMABLE MATERIALS. FAILURE TO FOLLOW THIS MAY CAUSE FIRE OR INJURY. IF THE DEPLOYED SRS AIRBAG ASSEMBLY NEEDS TO BE MOVED BEFORE IT COOLS DOWN, WEAR GLOVES AND GRASP THE SRS AIRBAG OR TRIM COVER TO MOVE.

WARNING:

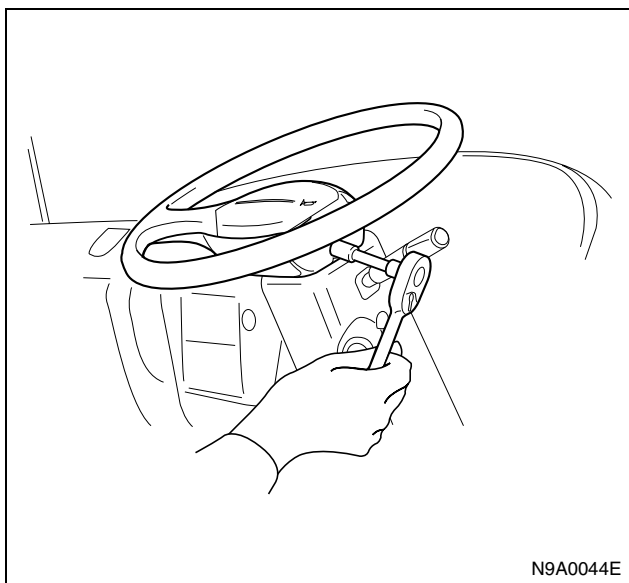
WHEN CARRYING UNDEPLOYED SRS AIRBAG ASSEMBLY, BE SURE TO TURN THE TRIM COVER TOWARD OUTSIDE TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT. ALSO, NEVER GRASP THE HARNESS OR CONNECTOR OF SRS AIRBAG TO CARRY IT.

Caution:

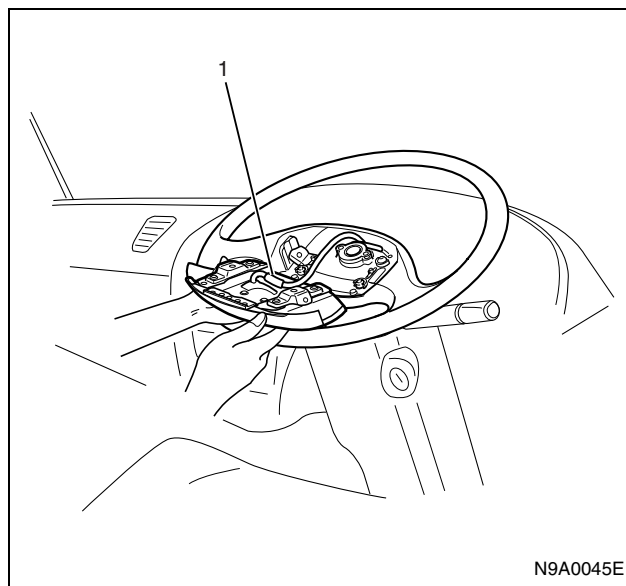
If deployment occurs, replace the SRS coil assembly.

Removal

1. Stop the function of SRS. (Refer to "Procedure to stop the function of SRS" in "SRS System Assembly".)
2. Loosen the mounting bolt from the back of steering wheel using TORX® driver or equivalent to remove SRS airbag.



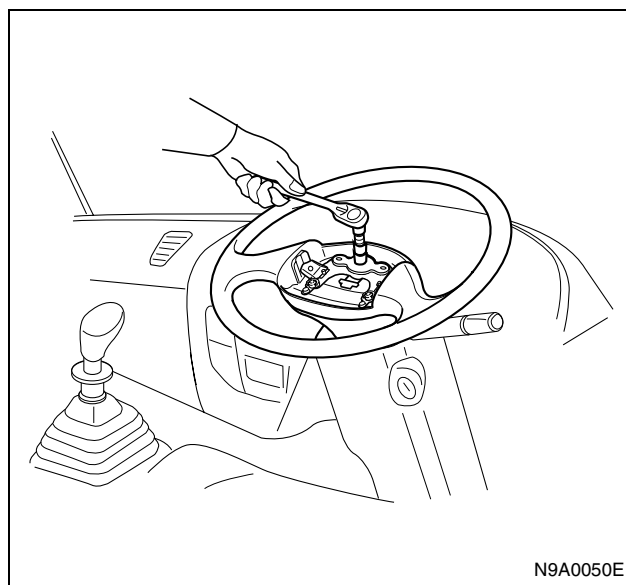
3. Disconnect the 2-pole airbag harness connector (yellow) and horn harness located in the back of SRS airbag assembly and remove the SRS airbag.



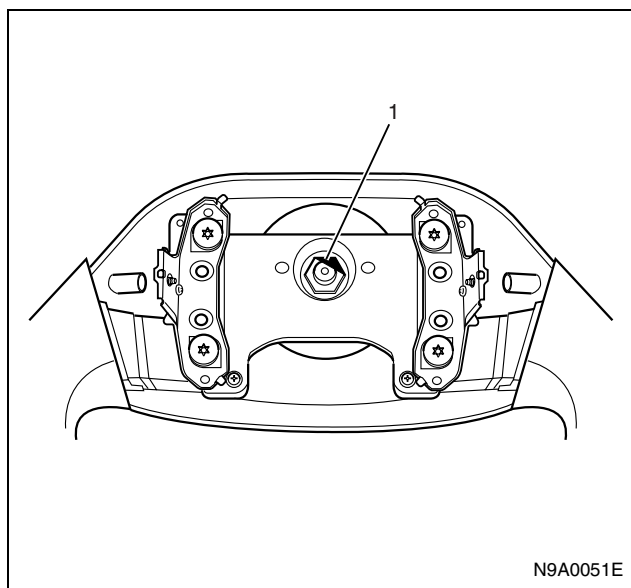
Legend

1. Airbag harness connector

4. Remove the nut which installs steering wheel.



5. Put the setting marks on steering wheel and shaft in order to reassemble parts to the original position.

**Legend**

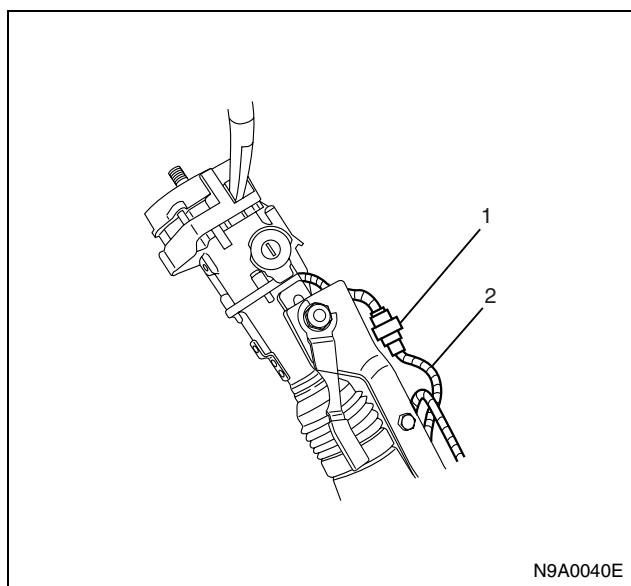
1. Setting mark

6. Set tires in straight position before removing steering wheel. Install the steering wheel puller (5-8840-2035-0) to steering wheel and remove it.
7. After removing the cover of harness through hole, put wire into wheel to remove it.

Caution:

Steering shaft has function as shock absorber. Do not apply a force in the direction of steering wheel shaft. When removing the steering wheel, use special tool.

8. Remove the steering cowl.
9. Disconnect SRS harness connector and combination switch harness connector located in the lower portion of steering column.

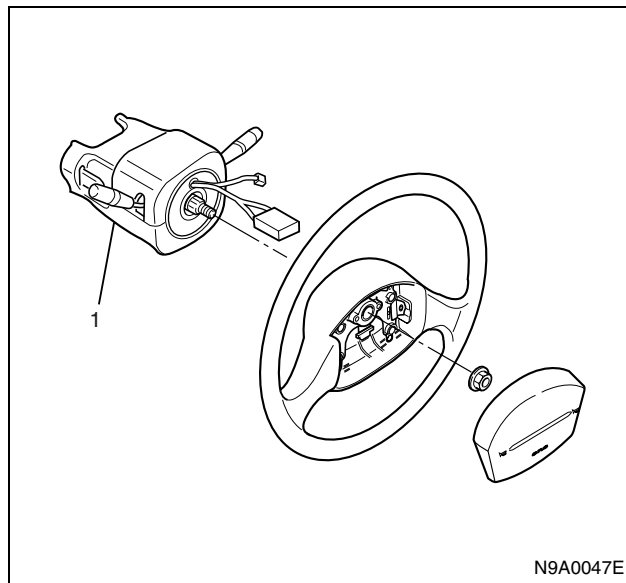
**Legend**

1. Connector (yellow)
2. SRS coil harness (yellow)

10. Remove the combination switch.

Caution:

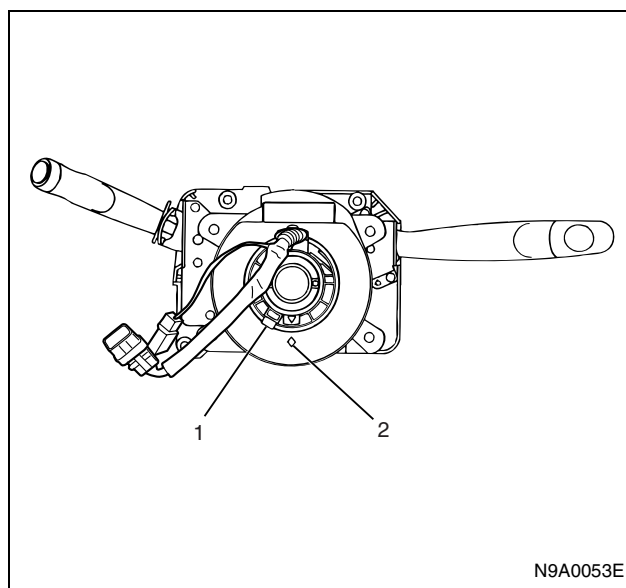
Combination switch contains SRS coil assembly. When replacing SRS coil assembly, always replace the combination switch assembly as a unit.

**Legend**

1. SRS coil and combination switch

Installation

1. Set the steering wheel in the straight position.
2. Install the combination switch assembly.
3. Rotate the SRS coil clockwise fully and back off it about 4 rotations to align neutral mark. (Rotating is not necessary when assembling new SRS coil with lock pin.)

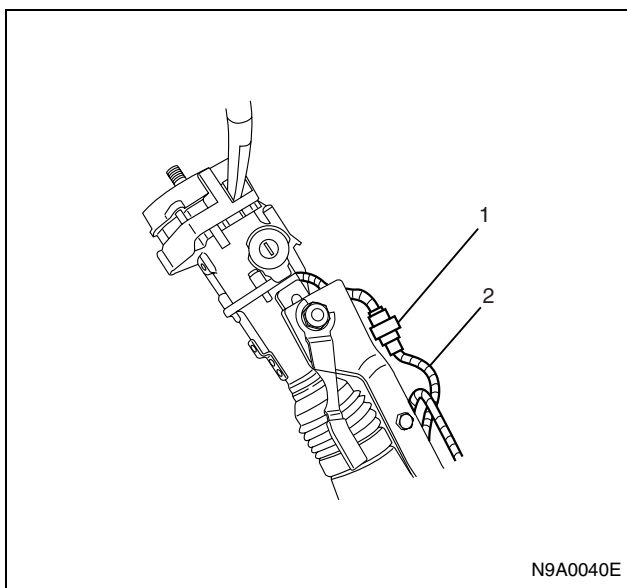
**Legend**

1. Lock pin
2. Neutral mark

Caution:

- While rotating the SRS coil clockwise fully, stop rotating if resistance is felt. Additional rotation by force may lead to damage or disconnection on SRS coil cable.
- More than 3 rotations from neutral point in each direction lead to damage on SRS coil.

4. Install the combination switch.
5. Connect SRS harness connector (yellow) and combination switch harness connector located in the lower portion of steering column.

**Legend**

1. Connector (yellow)
2. SRS coil harness (yellow)

6. Install the steering cowl.

Caution:

When installing steering cowl, assemble carefully not to let wire hang up on starter switch, combination switch or SRS coil.

7. Make sure that tires are in the straight position.
8. While checking the engagement in canceller of flasher, install steering wheel straight and align the setting marks.
9. Tighten the mounting nut which installs steering wheel to the specified torque.

Tighten:

Nut to 42.0 ± 6.8 N·m (4.3 ± 0.7 kg·m / 31.0 ± 5.0 lb·ft)

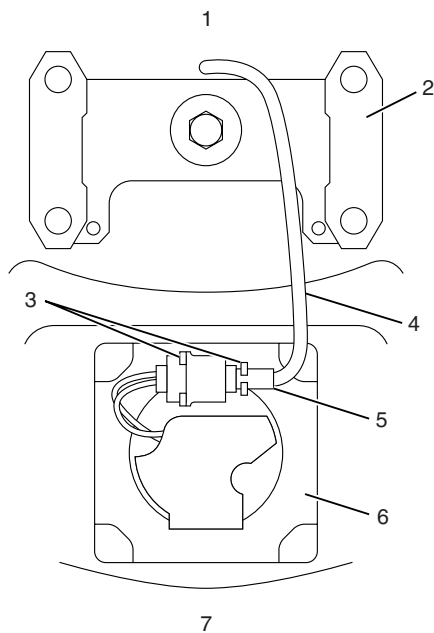
10. For new combination switch (including SRS coil) with lock pin, pull the lock pin in front to bend.
11. Put the harness through the harness through hole and assembly the cover.
12. Connect the 2-pole connector (yellow) and horn harness located in the back of SRS airbag assembly.

13. Secure the connector and harness.

14. Install the SRS airbag to steering wheel and tighten the bolt to the specified torque.

Tighten:

Bolt to 8.0 ± 2.0 N·m (0.8 ± 0.2 kg·m / 5.9 ± 1.5 lb·ft)



N9A0046E

Legend

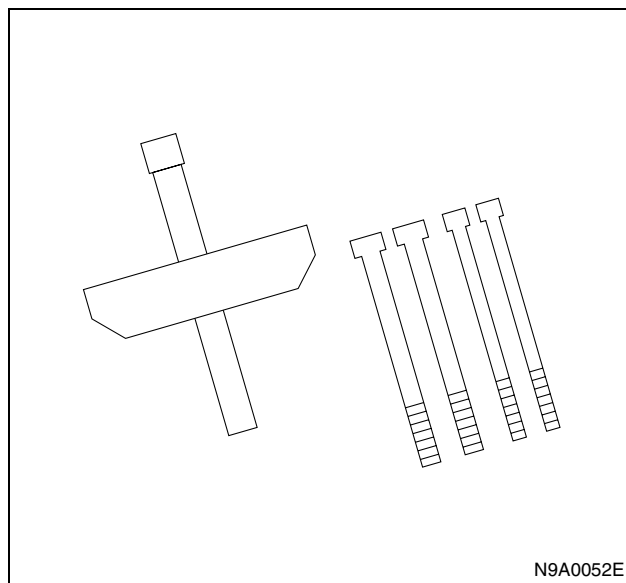
- | | |
|-----------------------------|------------------------------------|
| 1. Front of steering wheel | 5. Connector |
| 2. Steering wheel | 6. Back side of SRS airbag |
| 3. Connector holder portion | 7. Forward direction of SRS airbag |
| 4. Airbag harness | |

WARNING:
DO NOT USE SRS AIRBAG OF OTHER VEHICLE OR MODEL. BE SURE TO CONFIRM THE PART NUMBER TO USE APPROPRIATE SRS AIRBAG.

15. Resume the function of SRS. (Refer to "Procedure to resume the function of SRS" in "SRS System Assembly".)

Special Tool

5-8840-2035-0 Steering wheel puller



N9A0052E

Steering Column

Precautions on Service Work

WARNING:

FOLLOW PRECAUTIONS ABOUT SAFETY WHEN HANDLING DEPLOYED SRS AIRBAG ASSEMBLY. METAL SURFACE OF SRS AIRBAG ASSEMBLY WILL BE VERY HOT DIRECTLY AFTER DEPLOYMENT. DO NOT TOUCH IT FOR 30 MINUTES AFTERWARD. DO NOT PUT THE DEPLOYED SRS AIRBAG ASSEMBLY NEAR FLAMMABLE MATERIALS. FAILURE TO FOLLOW THIS MAY CAUSE FIRE OR INJURY. IF THE DEPLOYED SRS AIRBAG ASSEMBLY NEEDS TO BE MOVED BEFORE IT COOLS DOWN, WEAR GLOVES AND GRASP THE SRS AIRBAG OR TRIM COVER TO MOVE.

WARNING:

WHEN CARRYING UNDEPLOYED SRS AIRBAG ASSEMBLY, BE SURE TO TURN THE TRIM COVER TOWARD OUTSIDE TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT. ALSO, NEVER GRASP THE HARNESS OR CONNECTOR OF SRS AIRBAG TO CARRY IT.

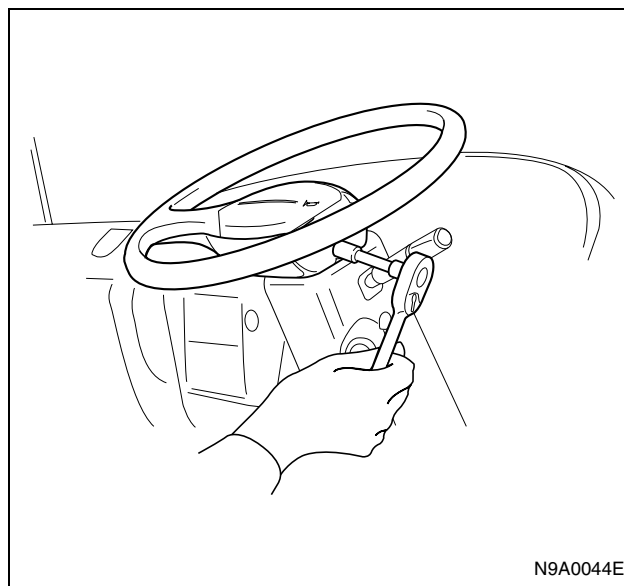
WHEN STORING UNDEPLOYED SRS AIRBAG ASSEMBLY, OR LEAVE IT UNATTENDED ON WORKBENCH OR SOMEWHERE ELSE, BE SURE TO TURN THE TRIM COVER UPWARD TO REDUCE THE POSSIBILITY OF INJURY IN CASE OF AIRBAG DEPLOYMENT.

Caution:

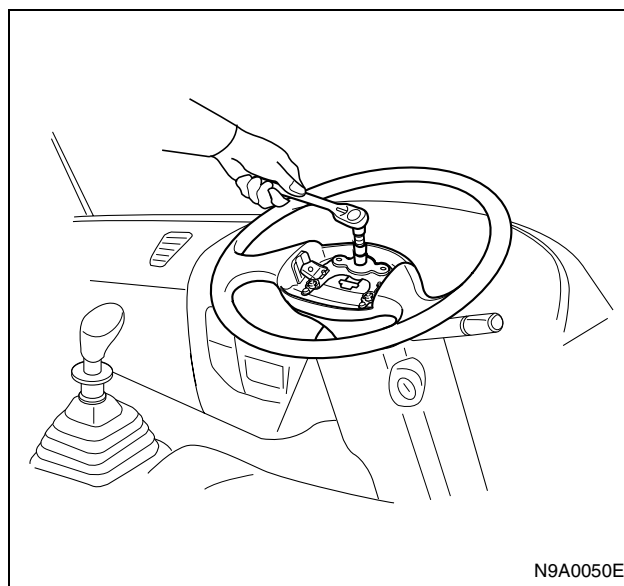
If deployment occurs, replace the coil assembly.

Removal

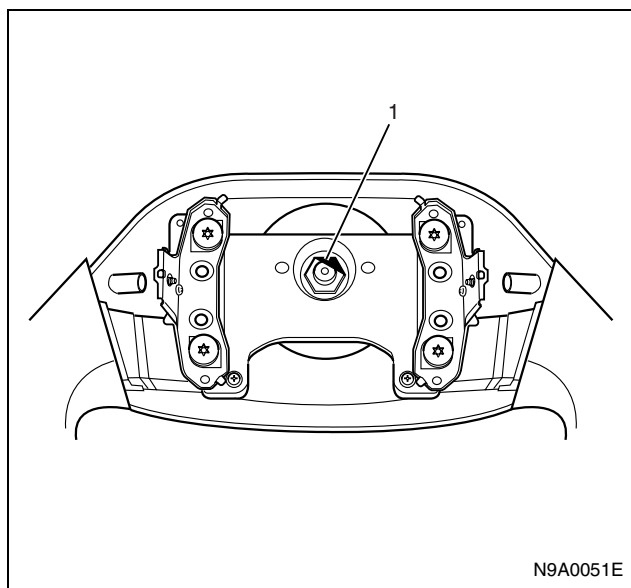
1. Stop the function of SRS. (Refer to "Procedure to stop the function of SRS".)
2. Loosen the mounting bolt from the back of steering wheel using TORX® driver or equivalent to remove SRS airbag.



3. Disconnect the 2-pole connector (yellow) and horn harness located in the back of SRS airbag and remove the SRS airbag.
4. Remove the nut which installs steering wheel.



5. Put the setting marks on steering wheel and shaft in order to reassemble parts to the original position.

**Legend**

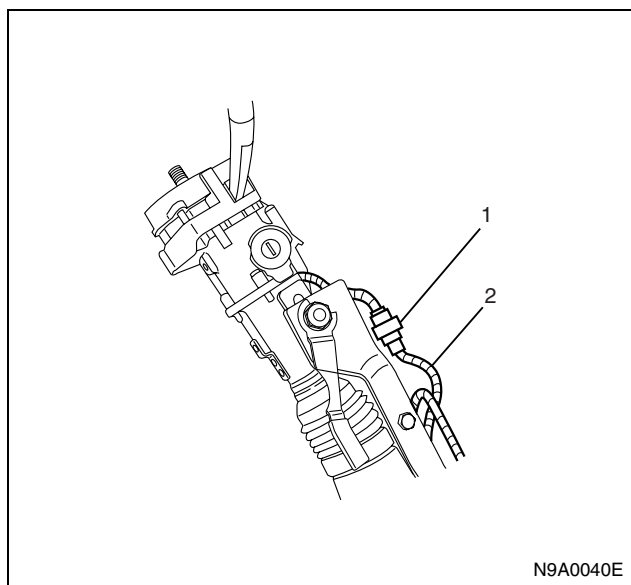
1. Setting mark

6. Set tires in straight position before removing steering wheel. Install the steering wheel puller (5-8840-2035-0) to steering wheel and remove it.
7. After removing the cover of harness through hole, put wire into wheel to remove it.

Caution:

Steering shaft has function as shock absorber. Do not apply a force in the direction of steering wheel shaft. When removing the steering wheel, use special tool.

8. Remove the steering cowl.
9. Disconnect SRS harness connector (yellow) and combination switch harness connector located in the lower portion of steering column.

**Legend**

1. Connector (yellow)

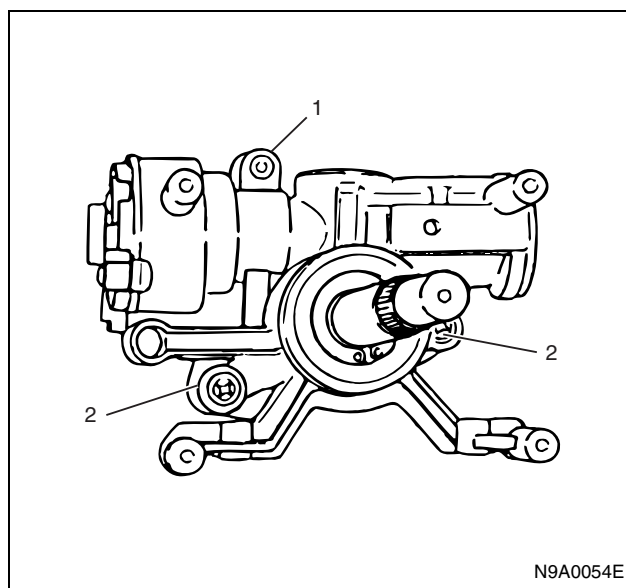
2. SRS coil harness (yellow)

10. Remove the combination switch assembly together with SRS coil.

Caution:

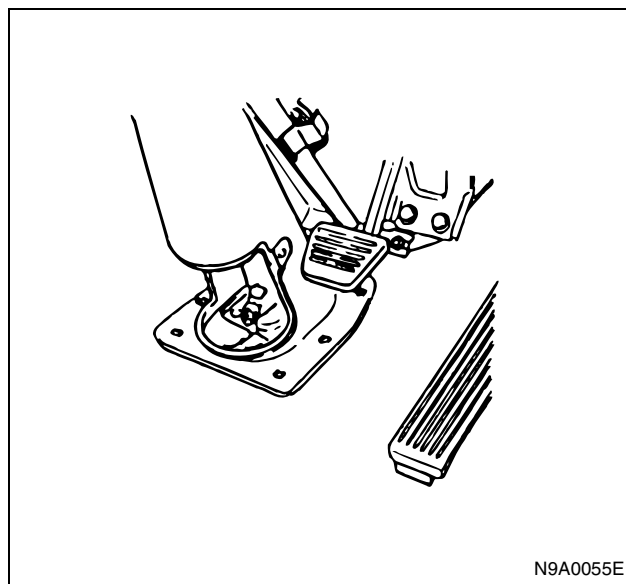
Combination switch contains SRS coil assembly. When replacing SRS coil assembly, always replace the combination switch assembly as a unit.

11. Make a small cut on screw of steering lock assembly using a saw, loosen the screw, remove the snap ring, and then remove the steering lock assembly.

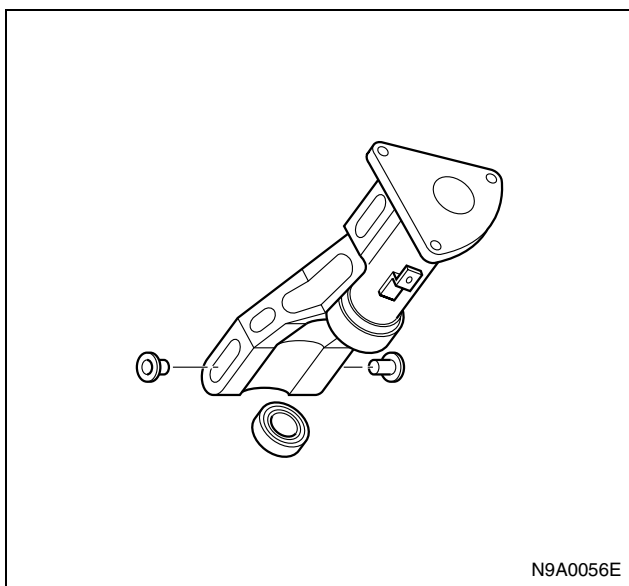
**Legend**

1. Snap ring
2. Screw

12. Remove the sight glass, put alignment marks on steering shaft and universal joint yoke, and then remove tilt control.



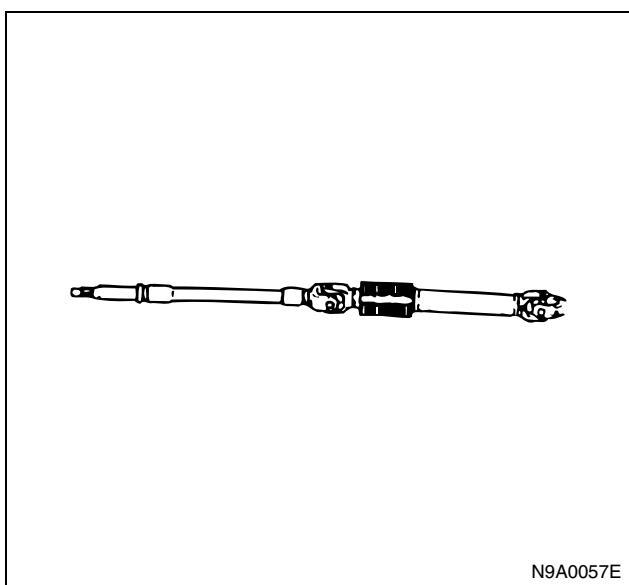
13. Pull out the steering shaft from column and remove the steering column.
Put alignment marks on the spline shaft and steering shaft and then disassemble them.



14. Clean disassembled parts and check them.
Steering shaft
- Check for bent.
 - Check the universal joint yoke for crack or deformation.
 - Check the joint bearing for play.

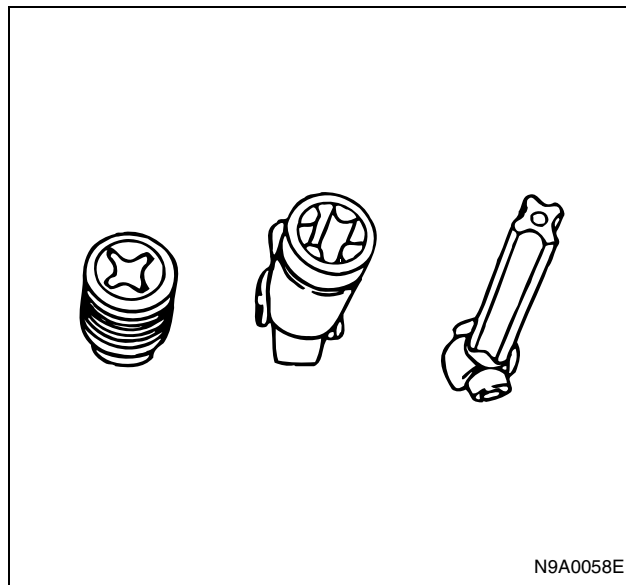
Caution:

Universal joint is non-disassembled part.



Spline shaft

- Check for play in rotational direction against steering shaft.
- Check the joint for play.
- Check the boot for breakage or deterioration.



Installation

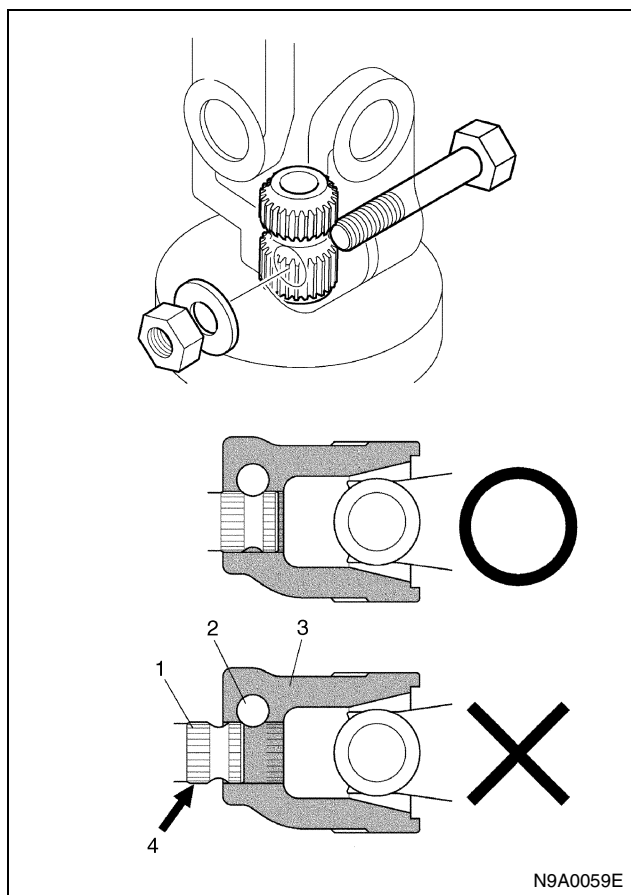
1. Install the steering column.
2. By aligning the alignment marks put at disassembly, assemble the steering shaft to install.
By aligning the alignment marks put at disassembly, install the steering shaft to steering unit and tighten the key bolt to the specified torque.

Tighten:

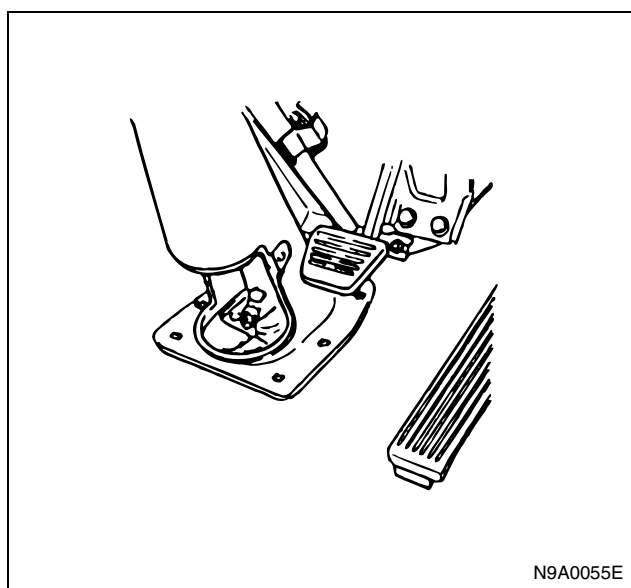
Bolt to 25 ± 5 N·m (2.5 ± 0.5 kg·m / 18.4 ± 3.7 lb·ft)

Caution:

Align the yoke so that the universal mounting bolt comes through the groove of the shaft of steering unit, angle gear box or transfer gear. The mounting bolt must be inserted and tightened after yoke is positioned. (Do not install the yoke after the bolt is temporarily tightened.) After yoke is secured, check that the serration portion is not seen.

**Legend**

1. Serration shaft
2. Bolt hole
3. Yoke
4. Yoke is not inserted sufficiently if serration can be seen.



3. Tighten the nut on bottom of tilt control, which installs steering column support bracket, and nut on outside of tilt control to the specified torque.

Tighten:

Nut (bottom) to 13.5 ± 1.5 N·m (1.4 ± 0.2 kg·m / 10.0 ± 1.1 lb·ft)

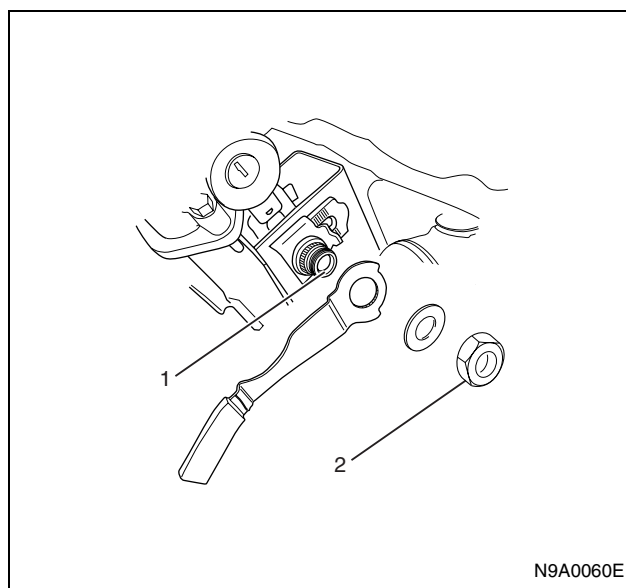
Tighten:

Nut (outside) to 32.5 ± 2.5 N·m (3.3 ± 0.3 kg·m / 24.0 ± 1.8 lb·ft)

Install the lever to lock position and tighten the nut to the specified torque.

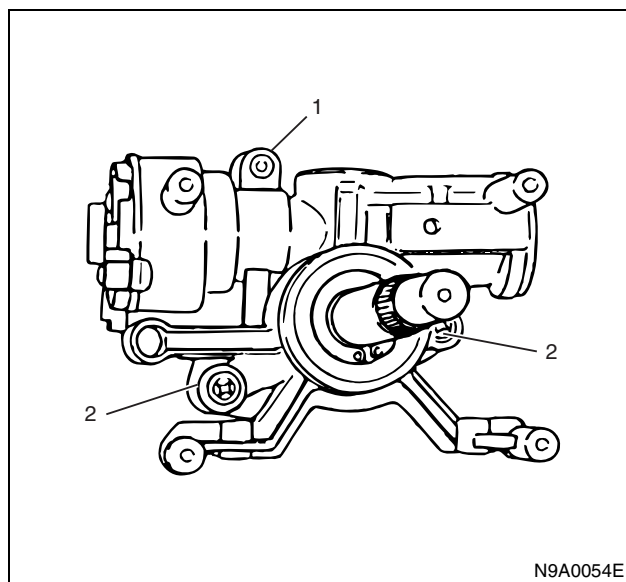
Tighten:

Nut to 22 N·m (2.2 kg·m / 16.2 lb·ft)

**Legend**

1. Steering column support bracket mounting nut
2. Nut

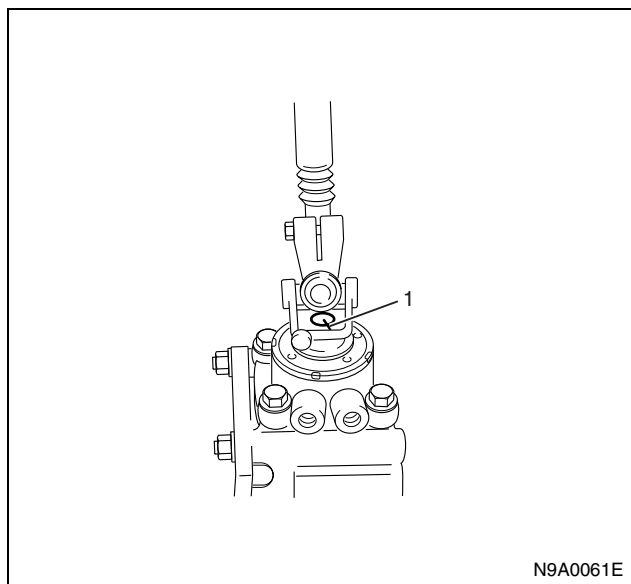
4. Install the steering lock assembly and insert the snap ring securely.
Use new screw at this time.



Legend

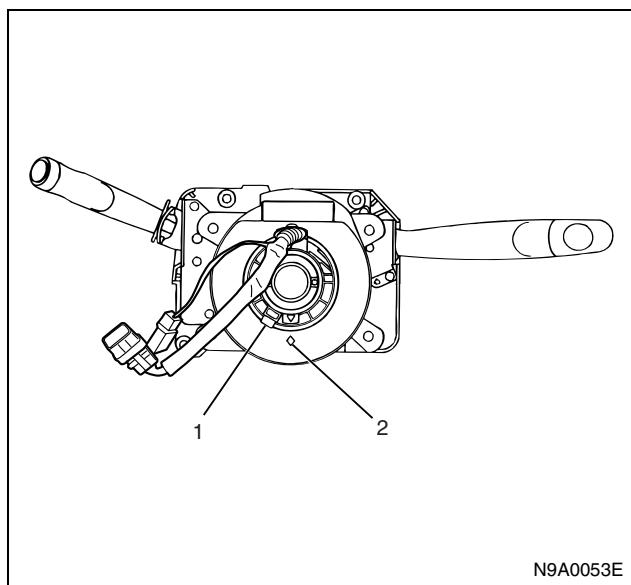
1. Snap ring
2. Screw

5. Set the steering wheel in the straight position.
6. Install the combination switch assembly (including SRS coil).

**Legend**

1. Alignment mark

7. Rotate the SRS coil clockwise fully and back off it about 4 rotations to align neutral mark. (Rotating is not necessary when assembling new SRS coil with lock pin.)

**Legend**

1. Lock pin
2. Neutral mark

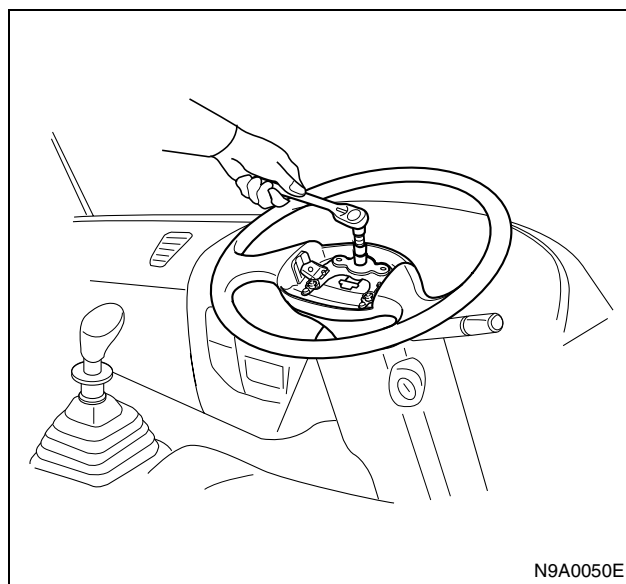
Caution:

- While rotating the SRS coil clockwise fully, stop rotating if resistance is felt. Additional rotation by force may lead to damage or disconnection on SRS coil cable.
- More than 3 rotations from neutral point in each direction lead to damage on SRS coil.

8. Connect SRS harness connector (yellow) and combination switch harness connector located in the lower portion of steering column.
9. Make sure that tires are in the straight position.
10. While checking the engagement in canceller of flasher, install steering wheel straight and align the setting marks.
11. Tighten the mounting nut which installs steering wheel to the specified torque.

Tighten:

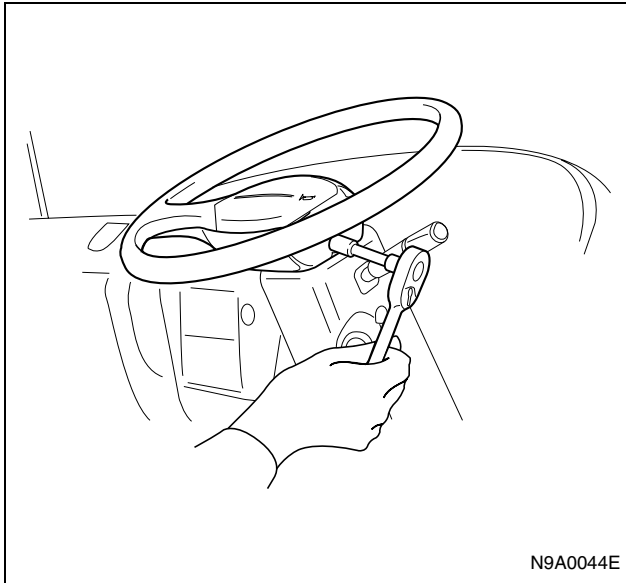
Nut to $42 \pm 6.8 \text{ N}\cdot\text{m}$ ($4.3 \pm 0.7 \text{ kg}\cdot\text{m}$ / $31.0 \pm 5.0 \text{ lb}\cdot\text{ft}$)



12. For new combination switch (including SRS coil) with lock pin, pull the lock pin in front to bend.
13. Put the harness through the harness through hole and assembly the cover.
14. Connect the 2-pole connector (yellow) and horn harness located in the back of airbag assembly.
15. Secure the connector and harness.
16. Install the airbag to steering wheel and tighten the bolt to the specified torque.

Tighten:

Bolt to $8.0 \pm 2.0 \text{ N}\cdot\text{m}$ ($0.8 \pm 0.2 \text{ kg}\cdot\text{m}$ / $5.9 \pm 1.5 \text{ lb}\cdot\text{ft}$)



WARNING:
DO NOT USE SRS AIRBAG OF OTHER VEHICLE OR MODEL. BE SURE TO CONFIRM THE PART NUMBER TO USE APPROPRIATE SRS AIRBAG.

17. Install the steering cowl.

WARNING:
WHEN INSTALLING STEERING COWL, ASSEMBLE CAREFULLY NOT TO LET WIRE HANG UP ON STARTER SWITCH, COMBINATION SWITCH OR SRS COIL.

18. Resume the function of SRS. (Refer to "Procedure to resume the function of SRS".)

Special tool

5-8840-2035-0 Steering wheel puller

