

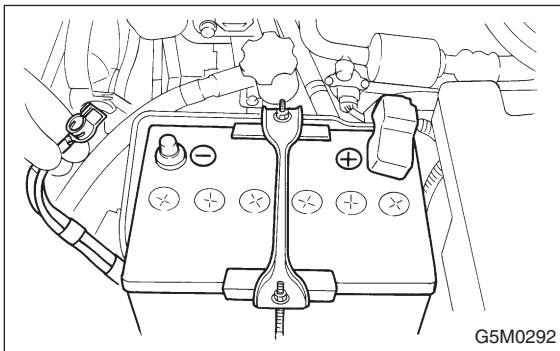
GENERAL DESCRIPTION

Airbag System

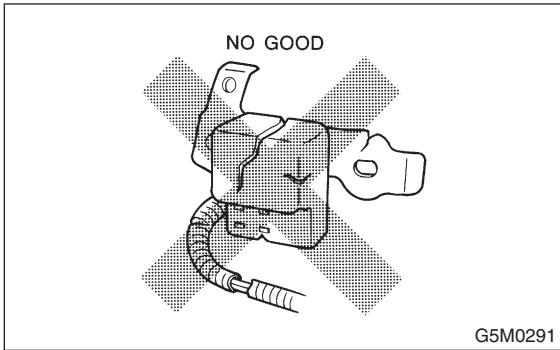
3. General Description S002001

A: CAUTION S002001A03

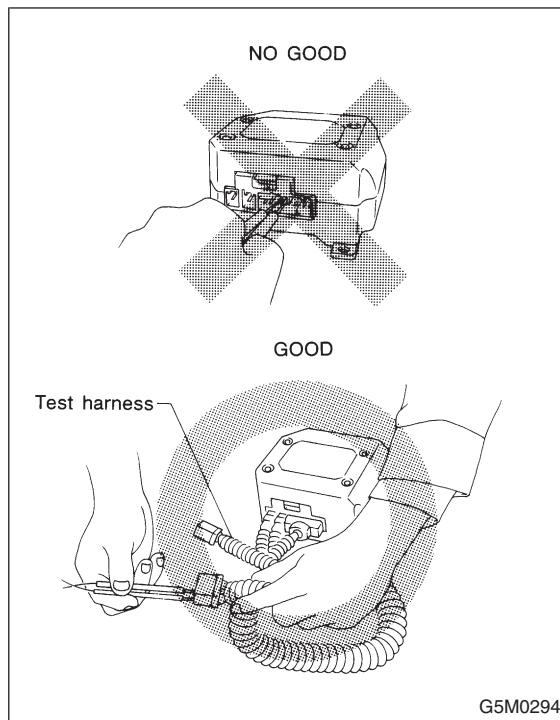
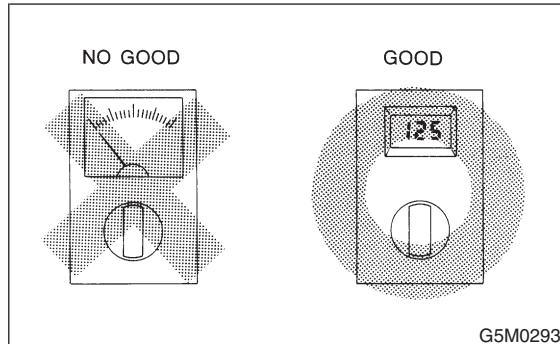
- When servicing a vehicle, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait for more than 20 seconds before starting work.
- The airbag system is fitted with a backup power source. If the airbag system is serviced within 20 seconds after the ground cable is disconnected, it may inflate.



- If sensors, air bag module, airbag control module, and harness are deformed or damaged, replace them with new genuine parts.
- Do not use the airbag system and pretensioners on other vehicles. When replacing parts, be sure to replace them with new parts.



- When checking, use a test harness. Do not directly apply the tester probe to any connector terminal of the airbag.

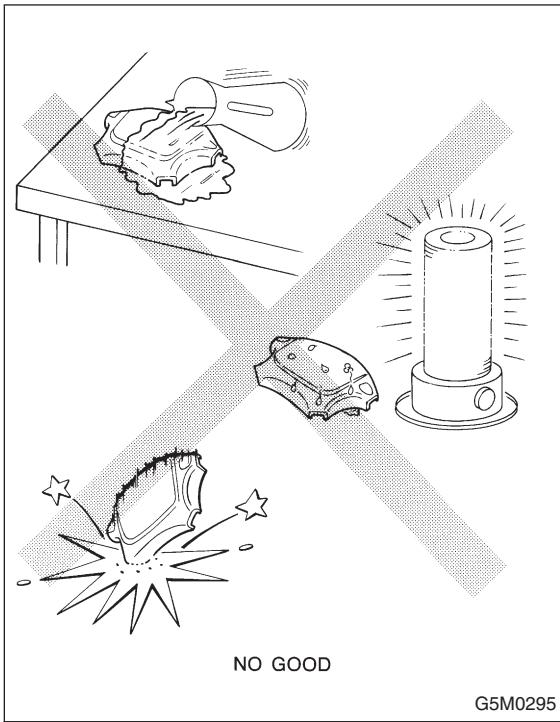


- When checking the system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously.

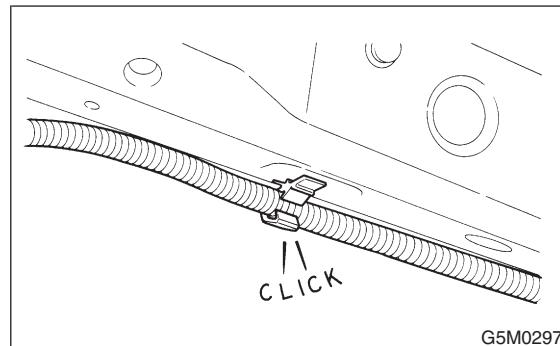
GENERAL DESCRIPTION

Airbag System

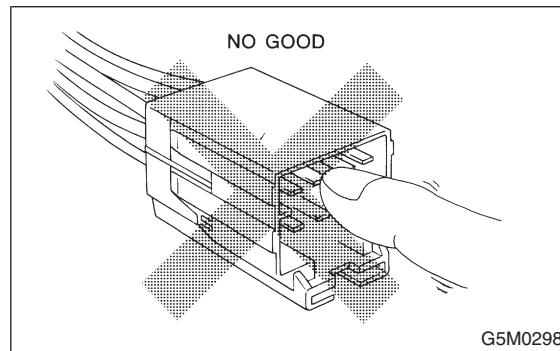
- Do not drop the airbag modulator parts, subject them to high temperature over 93°C (199°F), or let water, oil, or grease get on them; otherwise, the internal parts may be damaged and reliability greatly lowered.



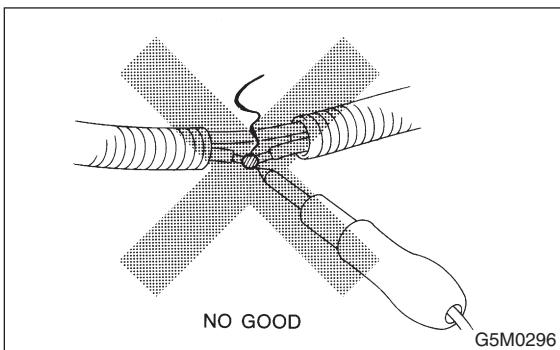
- Install the wire harness securely with the specified clips to avoid interference or tangled up with other parts.



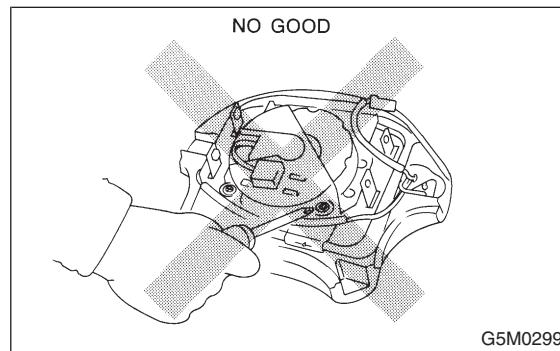
- Do not allow water or oil to come in contact with the connector terminals. Do not touch the connector terminals.



- If any damage or opening is found on the airbag system wire harness, do not attempt to repair using soldering equipment. Be sure to replace the faulty harness with a new genuine part.



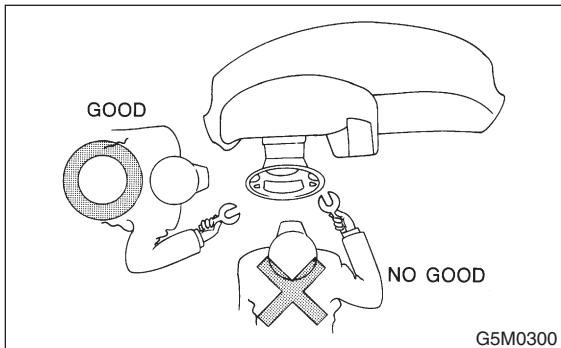
- The airbag module (driver and passenger) must not be disassembled.
- The airbag module cannot be used again once inflated.



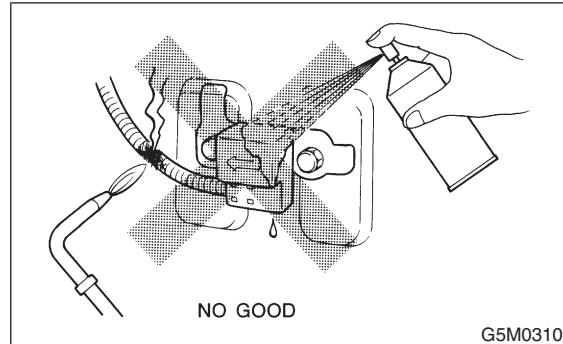
GENERAL DESCRIPTION

Airbag System

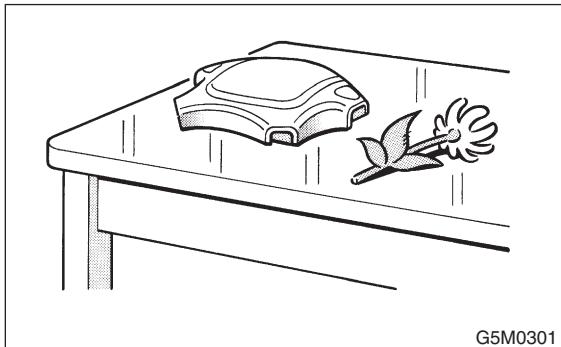
- When removing and installing the airbag module (driver and passenger), stand on the side of the airbag module. Do not stand in front of the airbag module.



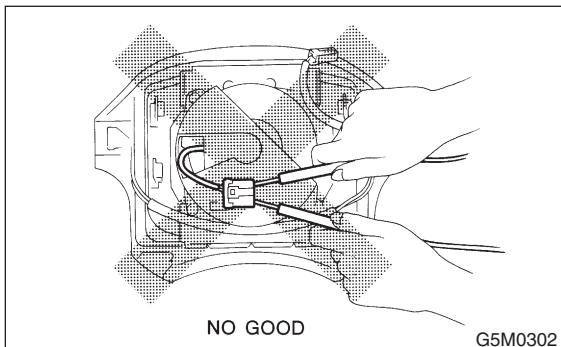
- When painting or performing sheet metal work on the side of the vehicle, including the side sill, center pillar, and front and rear doors, take utmost care not to apply paint or the flame of the welding burner directly to the side airbag sensors and wire harness of the airbag system.



- After removal, keep the airbag module with the pad facing upward on a dry, clean, and flat surface away from heat and light sources, and moisture and dust.



- Do not check continuity of the airbag module (driver and passenger).



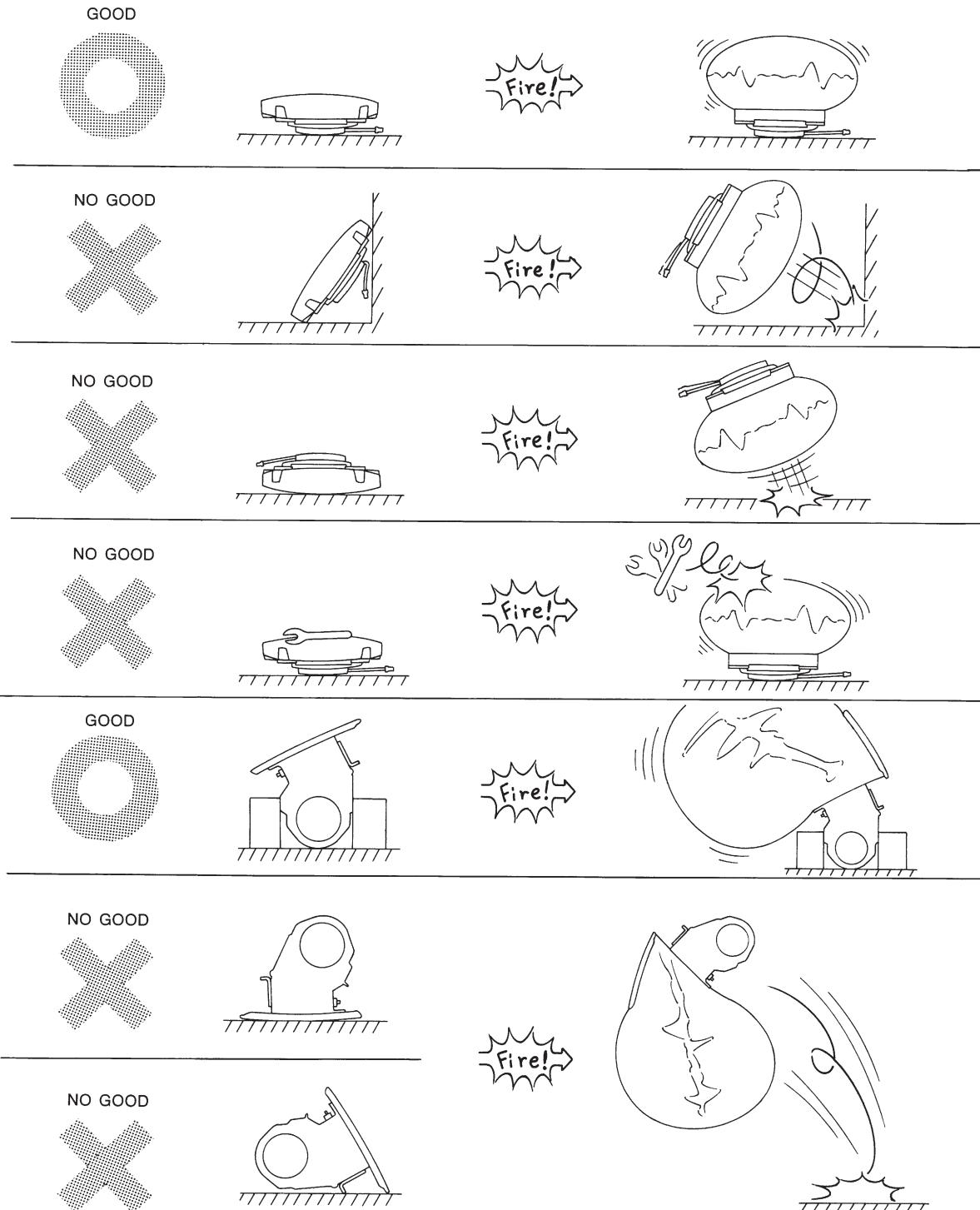
- When painting or performing sheet metal work on the front part of the vehicle, including the front wheel apron, front fender, and front side frame, take utmost care not to apply paint or the flame of the welding burner directly to the front sub sensors and wire harness of the airbag system.

GENERAL DESCRIPTION

Airbag System

- When storing a removed airbag module, do not place any objects on it or pile airbag modules on top of each other. If the airbag inflates for some reason when it is placed with its pad side facing downward or under any object, a serious accident may result.

Driver side



Passenger side

G5M0604

GENERAL DESCRIPTION

Airbag System

- Do not discard undeployed airbag modules. They could easily cause a serious accident if accidentally deployed.
- Deployment of the airbag module should be done on a flat place free from any possible danger. Avoid deploying outdoors during rainy or windy weather.
- Do not damage the airbag module or drop it.
- Because deploying the airbag module causes a high explosive noise, be sure to warn people in the area, and do not allow anyone within a 5-meter (16 ft) radius of the disposal site.
- Some smoke will be emitted after deployment of the airbag module. Therefore, it must be deployed in a well-ventilated place with no fire alarms nearby.
- Wear gloves, goggles, and earplugs during this operation. Wash your hands afterwards.
- After deployment, the airbag module will be especially hot. Leave it unattended for 40 minutes, and then discard it.
- Do not let water get on the deployed airbag module.
- Wrap the deployed airbag module in an airtight vinyl bag and discard it.
- If circumstances do not permit airbag module deployment, contact a Subaru dealer.
- As a rule, the airbag module should be deployed while still installed in the vehicle. Do not remove it unless necessary.

B: INSPECTION S002001A10

Before diagnosing, check the following items that might be related to the engine problem:

1. BATTERY S002001A1001

Measure battery voltage and specific gravity of electrolyte.

Standard voltage: 12V

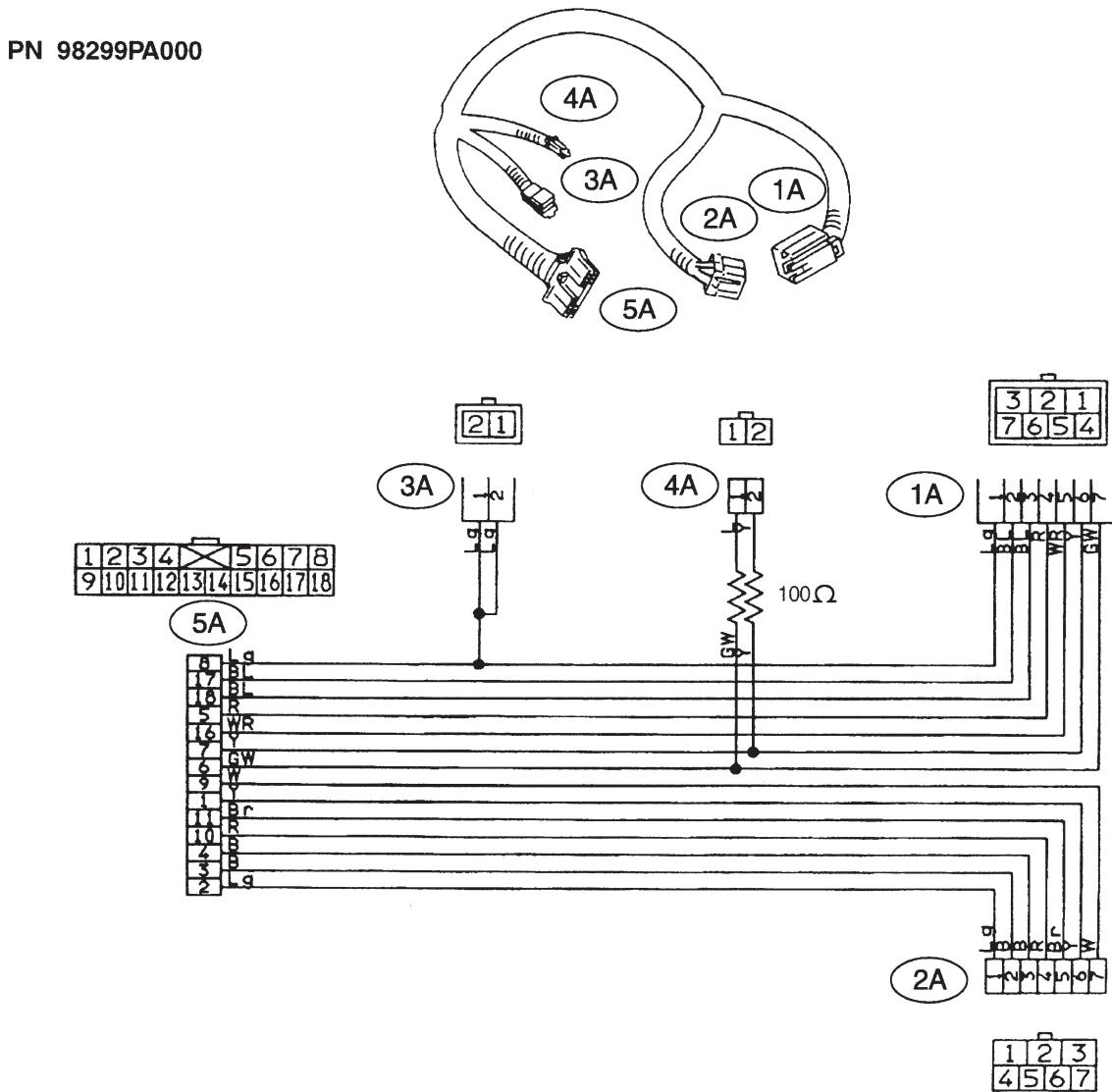
Specific gravity: Above 1.260

C: PREPARATION TOOL

CAUTION:

Be sure to use specified test harness A, F, H, K and I or I2 when measuring voltage, resistance, etc. of AIRBAG system component parts.

1. TEST HARNESS A S002001A1701



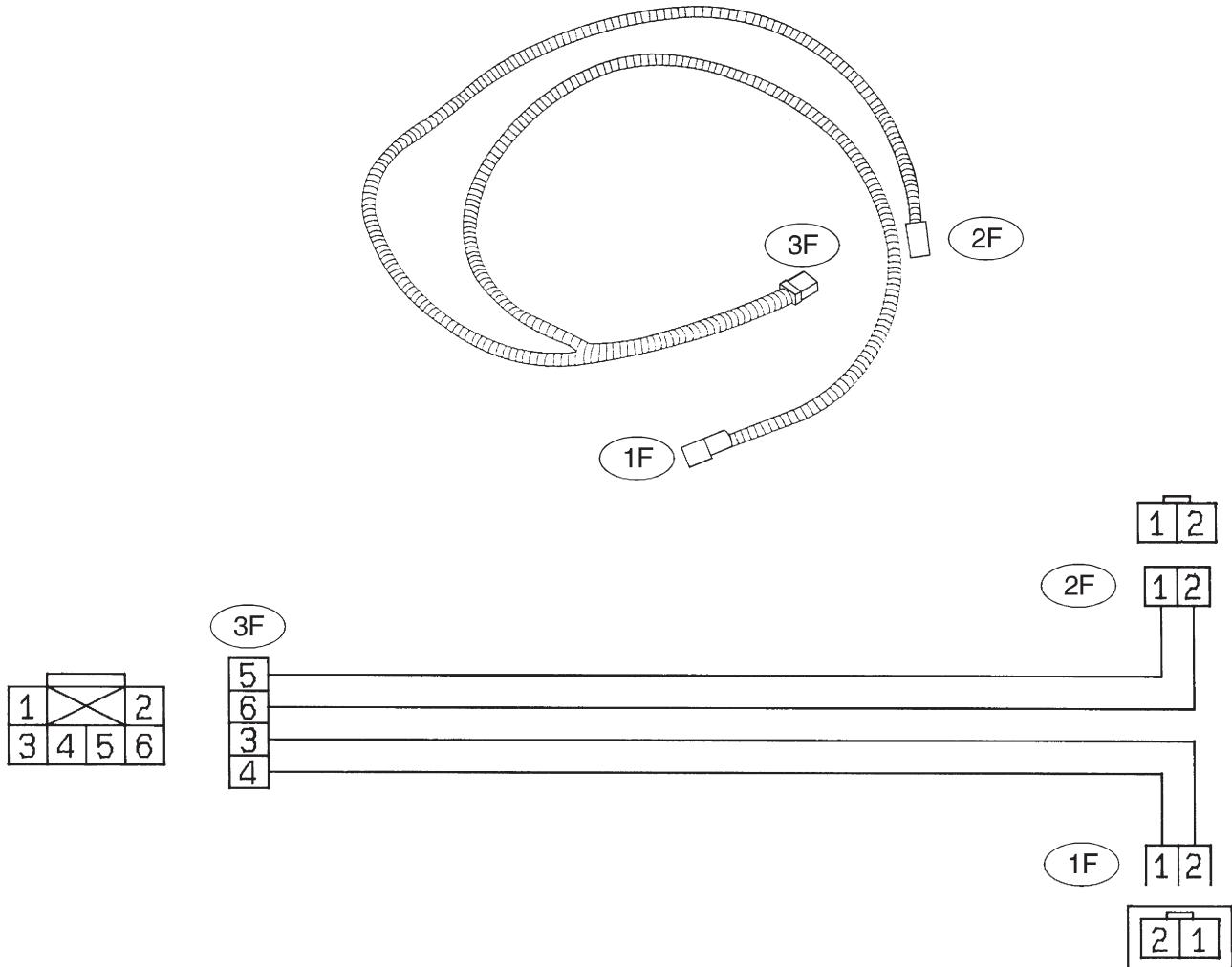
B5M0112A

GENERAL DESCRIPTION

Airbag System

2. TEST HARNESS F S002001A1702

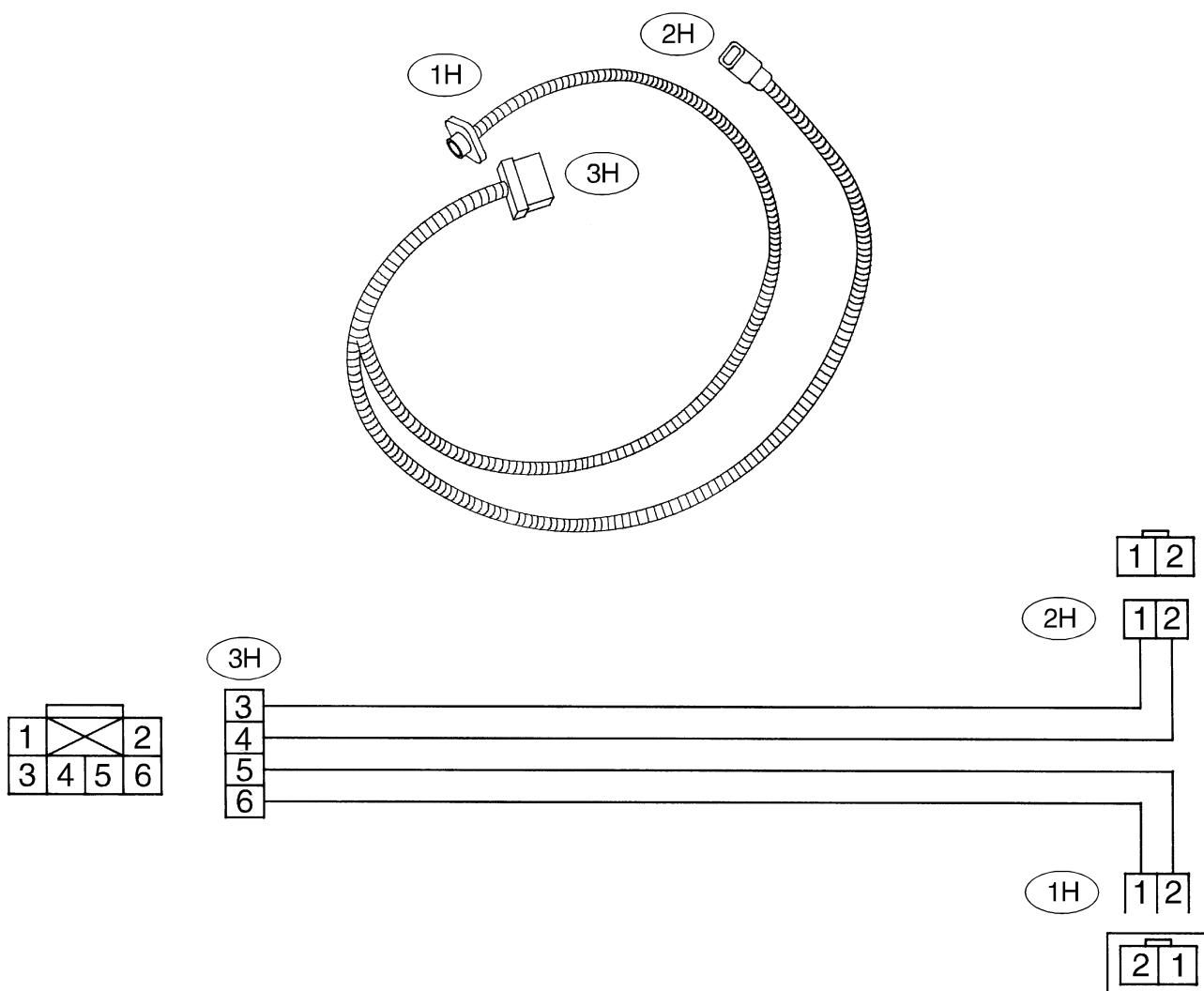
PN 98299FC010



S5M0247A

3. TEST HARNESS H S002001A1704

PN 98299FA030



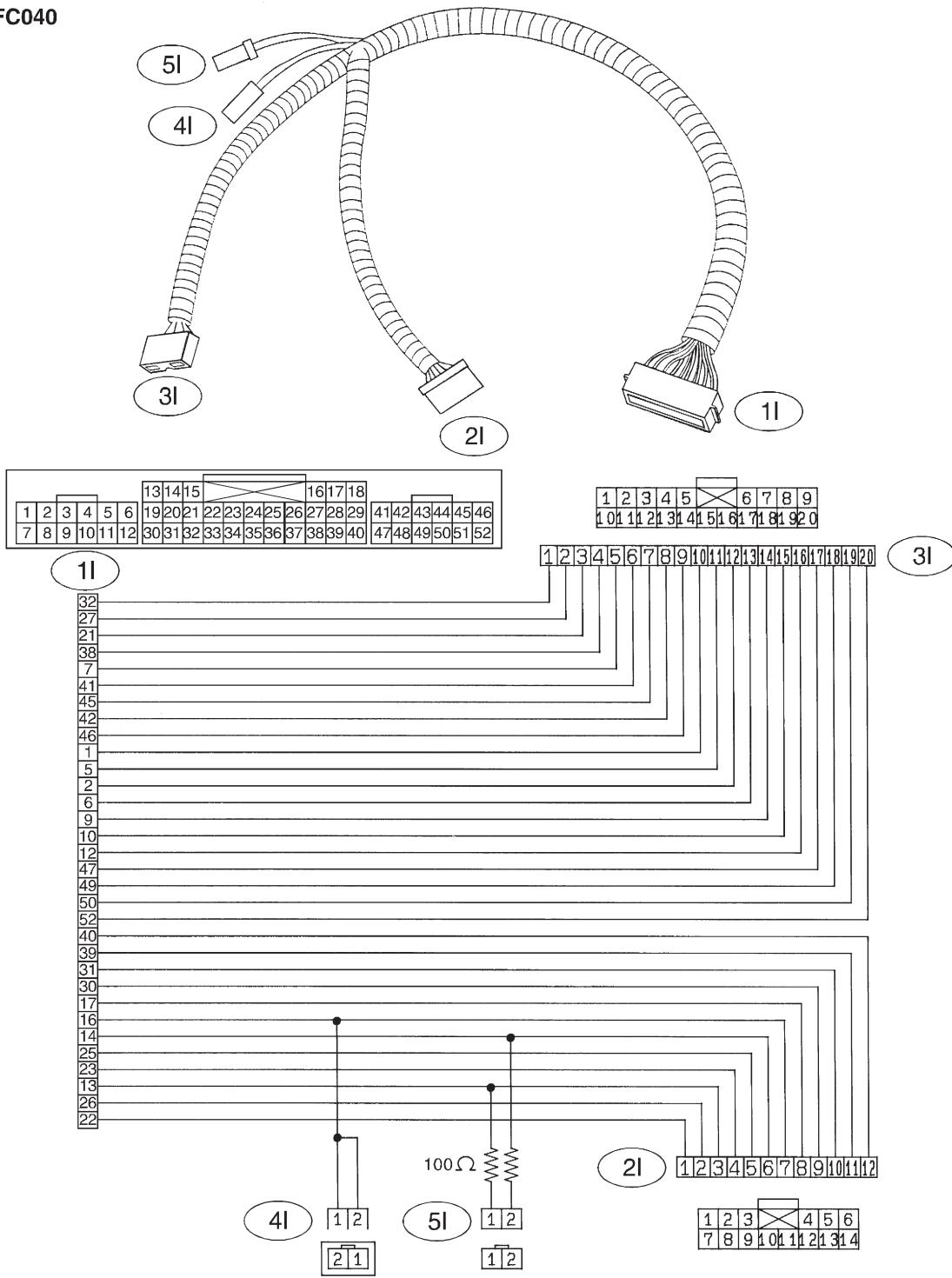
B5M0553B

GENERAL DESCRIPTION

Airbag System

4. TEST HARNESS I S002001A1705

PN 98299FC040



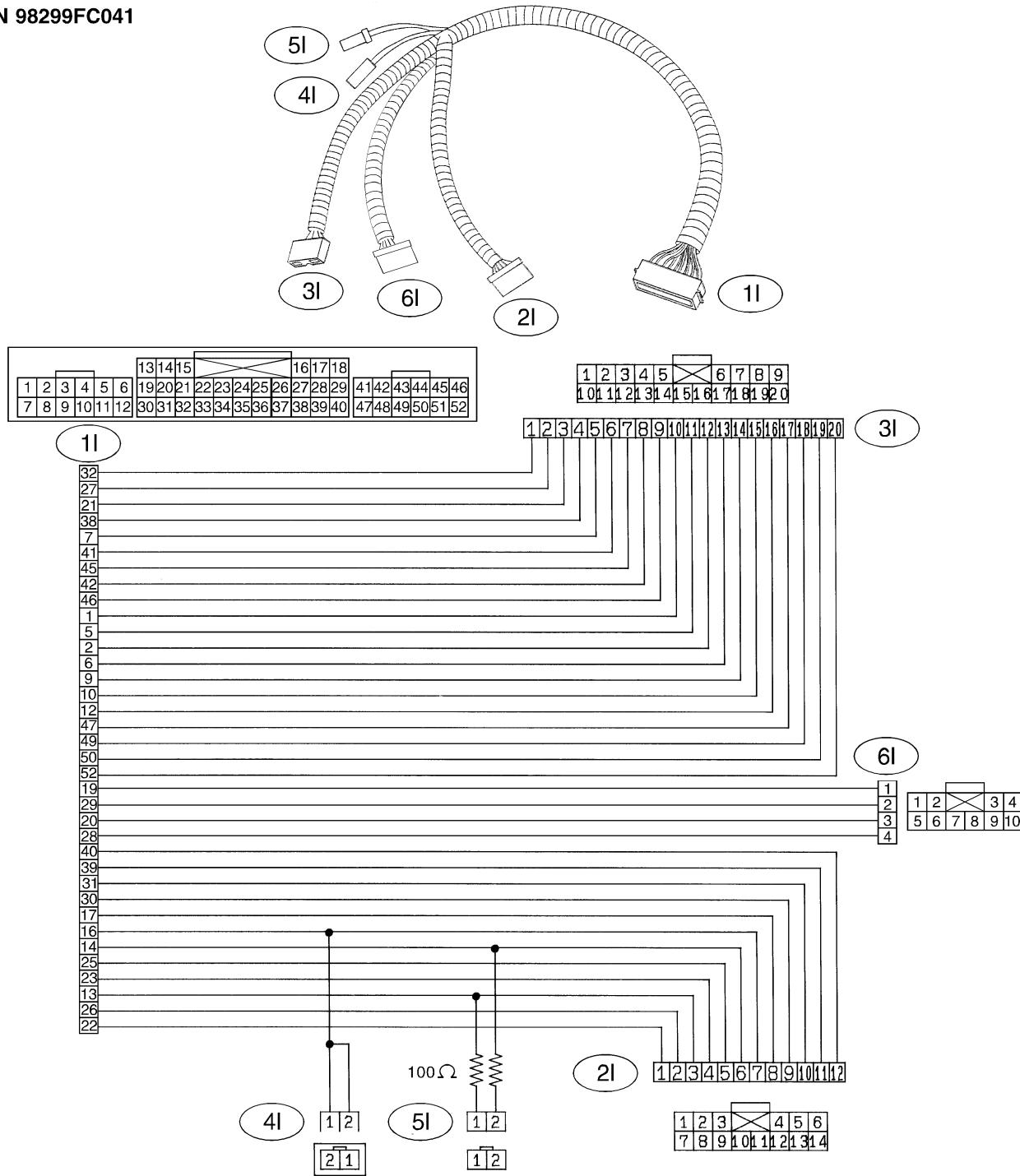
S5M0340A

GENERAL DESCRIPTION

Airbag System

5. TEST HARNESS I2 S002001A1706

PN 98299FC041



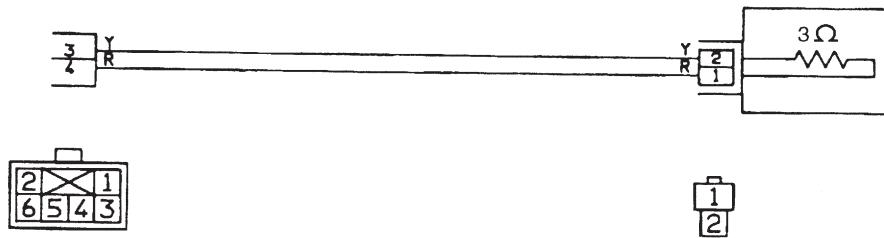
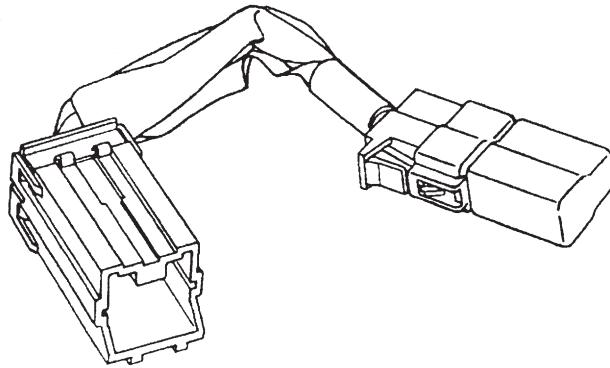
B5M0927A

6. AIRBAG RESISTOR

S002001A1707

The airbag resistor is used during diagnostics. The airbag resistor has the same resistance as the airbag module and thus provides safety when used instead of the airbag module. It also makes it possible to finish diagnostics in less time.

PN 98299PA040

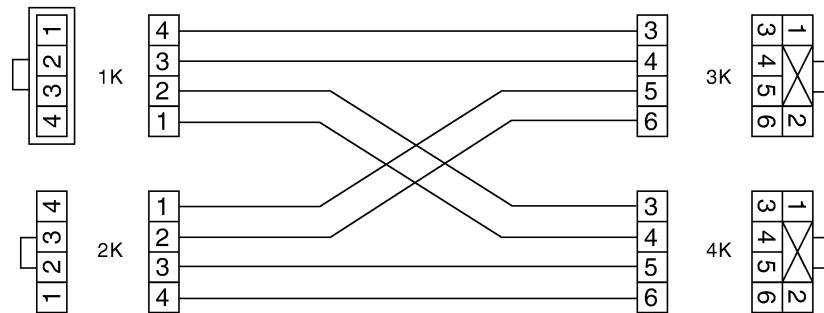
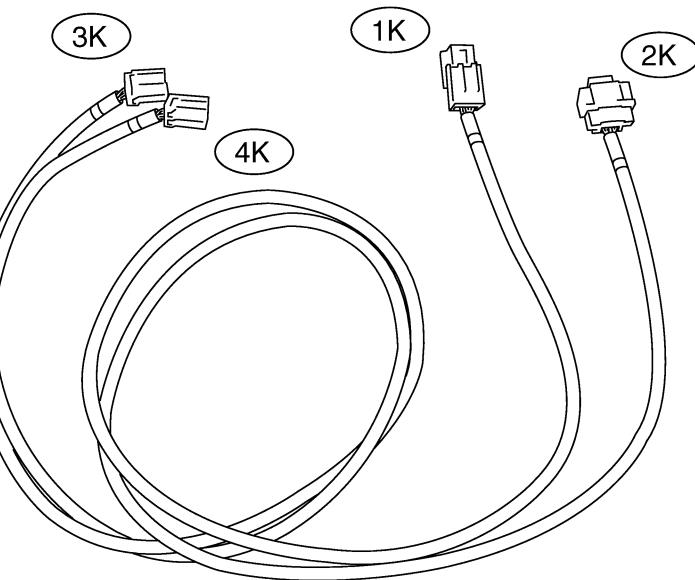


B5M0114A

GENERAL DESCRIPTION

Airbag System

7. TEST HARNESS K



B5M1110A