

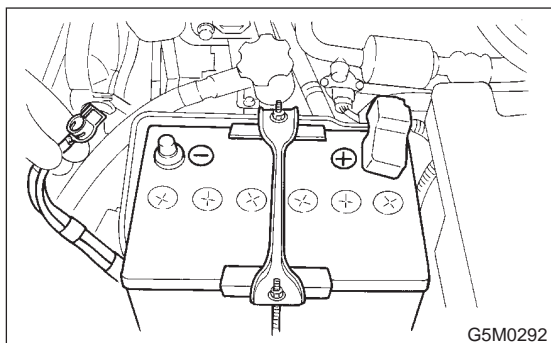
GENERAL DESCRIPTION

Airbag System (DIAGNOSTICS)

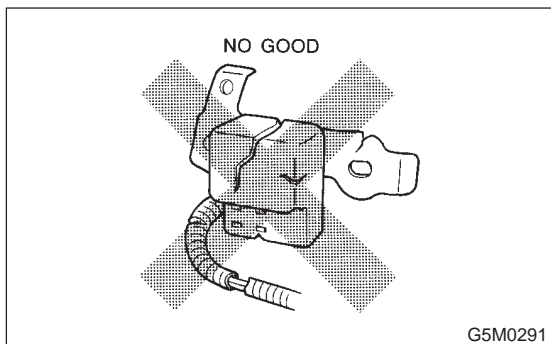
3. General Description S002001

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.

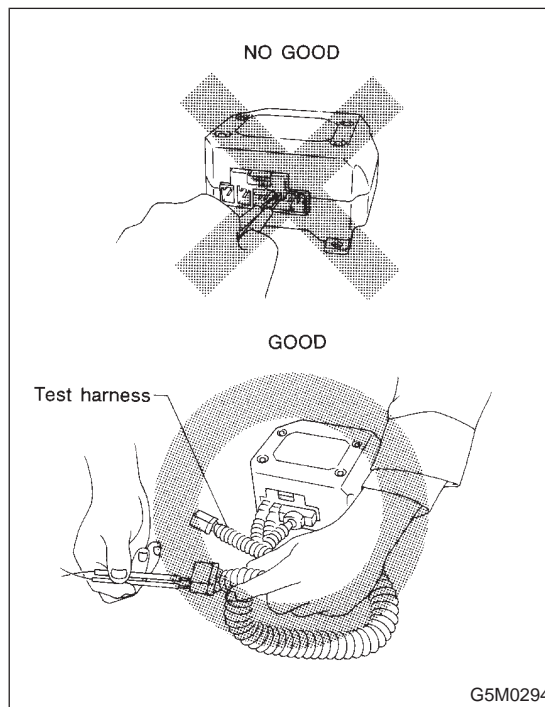
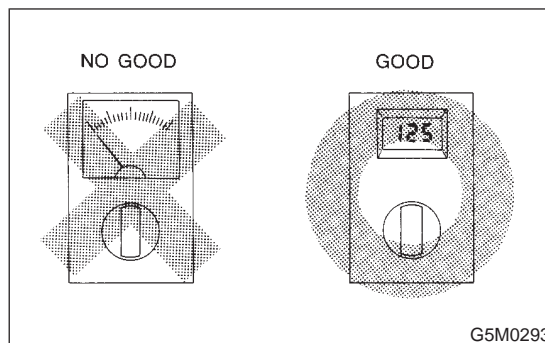


- If sensors, airbag module, airbag control module pretensioner, and harness are deformed or damaged, replace them with new genuine parts.
- Do not use the airbag system and pretensioners on other vehicles. When replacing parts, be sure to replace them with new parts.



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

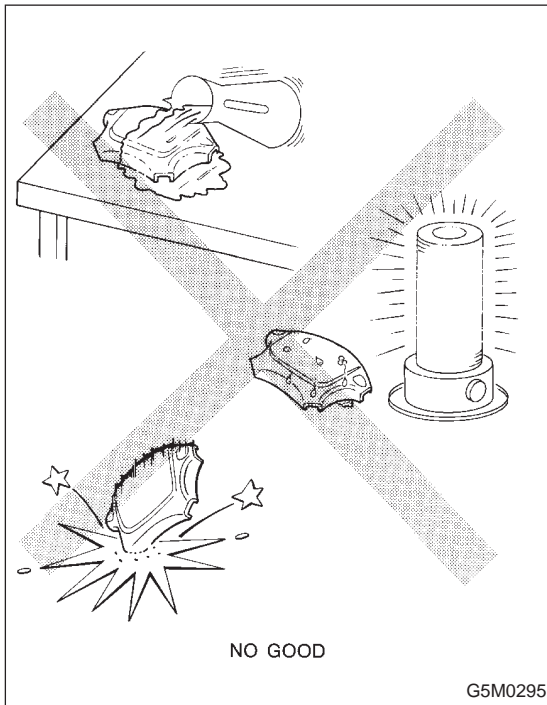
- When checking, use a test harness. Do not directly apply the tester probe to any connector terminal of the airbag.



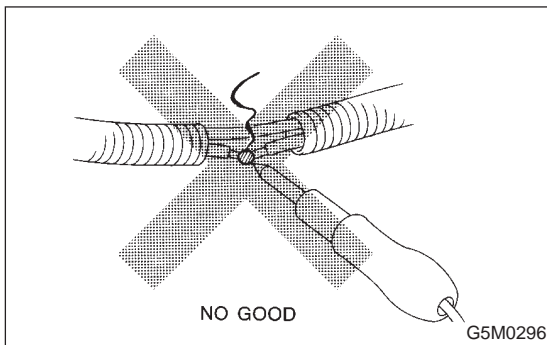
GENERAL DESCRIPTION

Airbag System (DIAGNOSTICS)

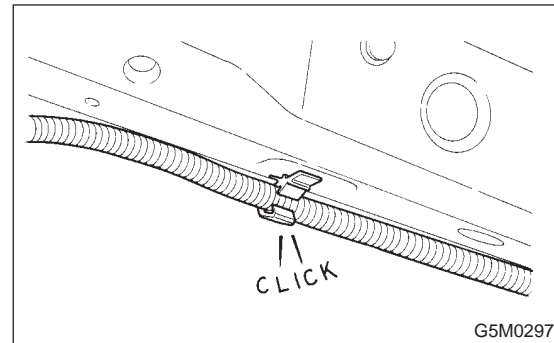
- Do not drop the airbag modulator parts, subject them to high temperature over 93°C (199°F), or let water, oil, or grease get on them; otherwise, the internal parts may be damaged and reliability greatly lowered.



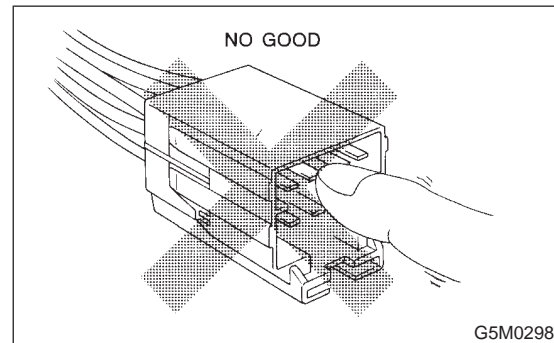
- If any damage, opening or rust is found on the airbag system wire harness, do not attempt to repair using soldering equipment. Be sure to replace the faulty harness with a new genuine part.



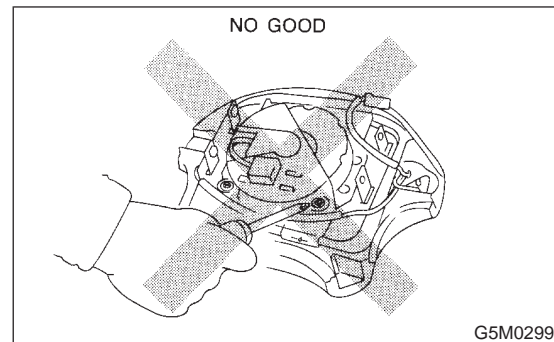
- Install the wire harness securely with the specified clips to avoid interference or tangled up with other parts.



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



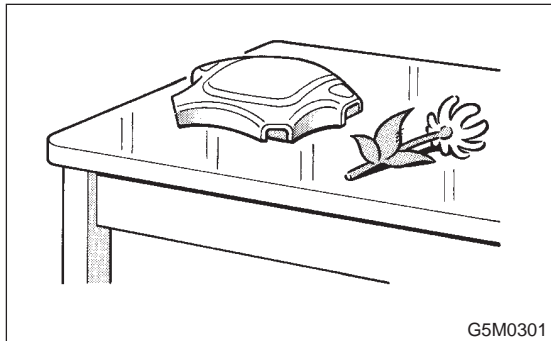
- The airbag module (driver, passenger, and side, pretensioner) must not be disassembled.
- The airbag module cannot be used again once inflated.



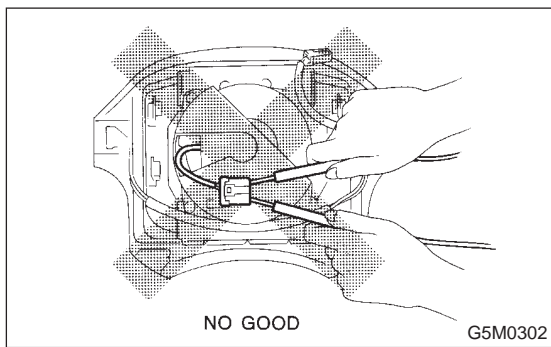
GENERAL DESCRIPTION

Airbag System (DIAGNOSTICS)

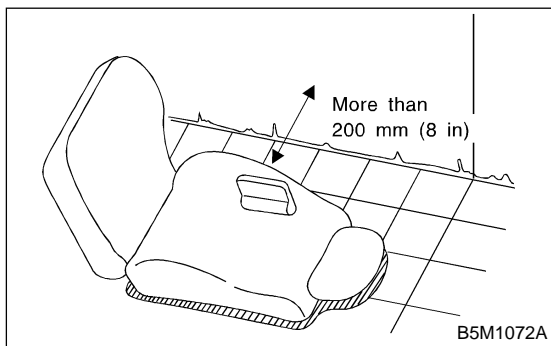
- After removal, keep the airbag module with the pad facing upward on a dry, clean, and flat surface away from heat and light sources, and moisture and dust.



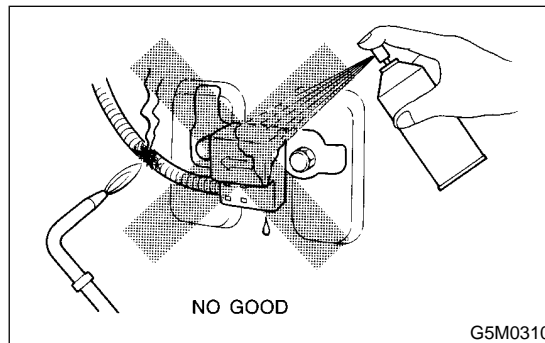
- Do not check continuity of the airbag module (driver, passenger, and side, pretensioner).



- The removed front seat with the airbag module must be kept at least 200 mm (8 in) away from walls and other objects.



- 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.
- 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.



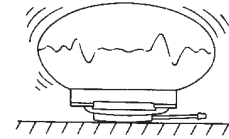
- When storing a removed airbag module, do not place any objects on it or pile airbag modules on top of each other. If the airbag inflates for some reason when it is placed with its pad side facing downward or under any object, a serious accident may result.

GENERAL DESCRIPTION

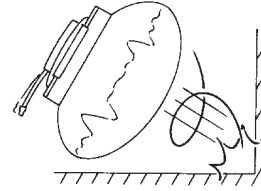
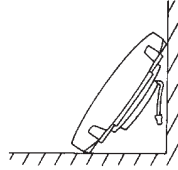
Airbag System (DIAGNOSTICS)

Driver side

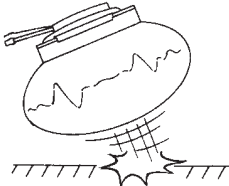
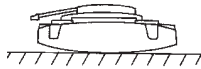
GOOD



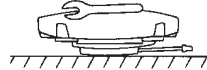
NO GOOD



NO GOOD

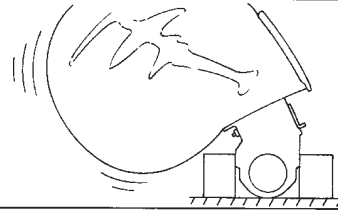
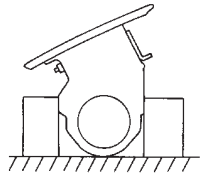


NO GOOD

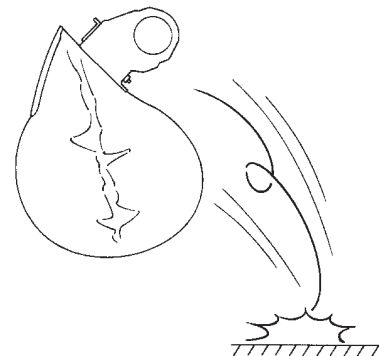
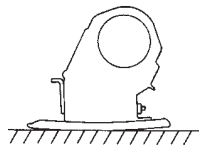


Passenger side

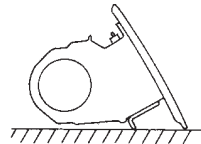
GOOD



NO GOOD



NO GOOD



G5M0604

GENERAL DESCRIPTION

Airbag System (DIAGNOSTICS)

- Do not discard undeployed airbag modules. They could easily cause a serious accident if accidentally deployed.
- Do not damage the airbag module or drop it.

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

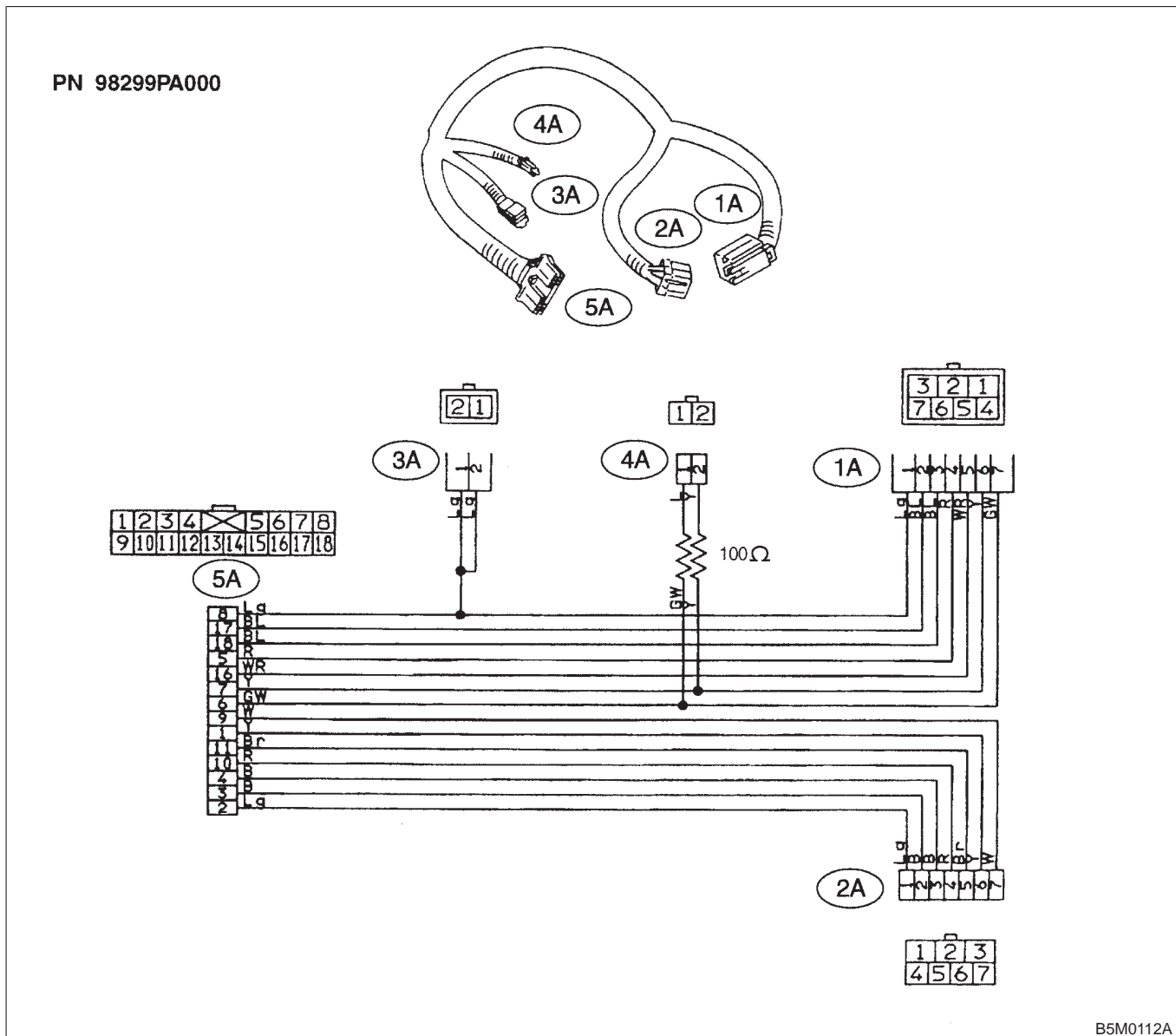
Specific gravity: Above 1.260

C: PREPARATION TOOL S002001A17

CAUTION:

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

1. TEST HARNESS A S002001A1701



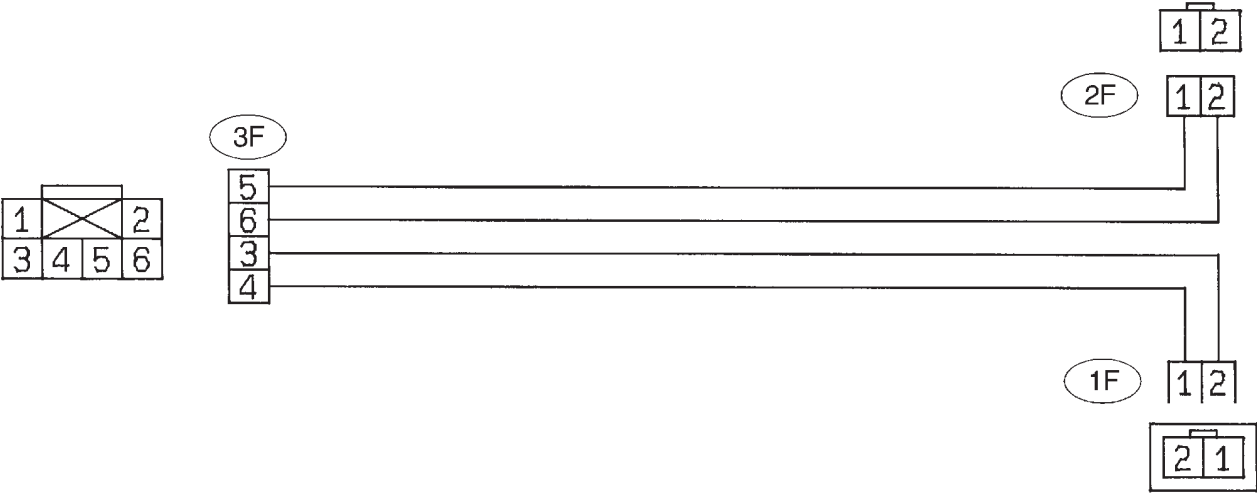
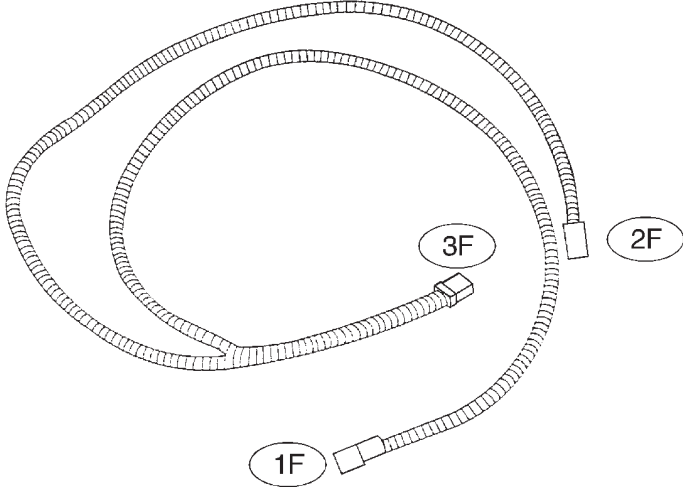
B5M0112A

GENERAL DESCRIPTION

Airbag System (DIAGNOSTICS)

2. TEST HARNESS F S002001A1702

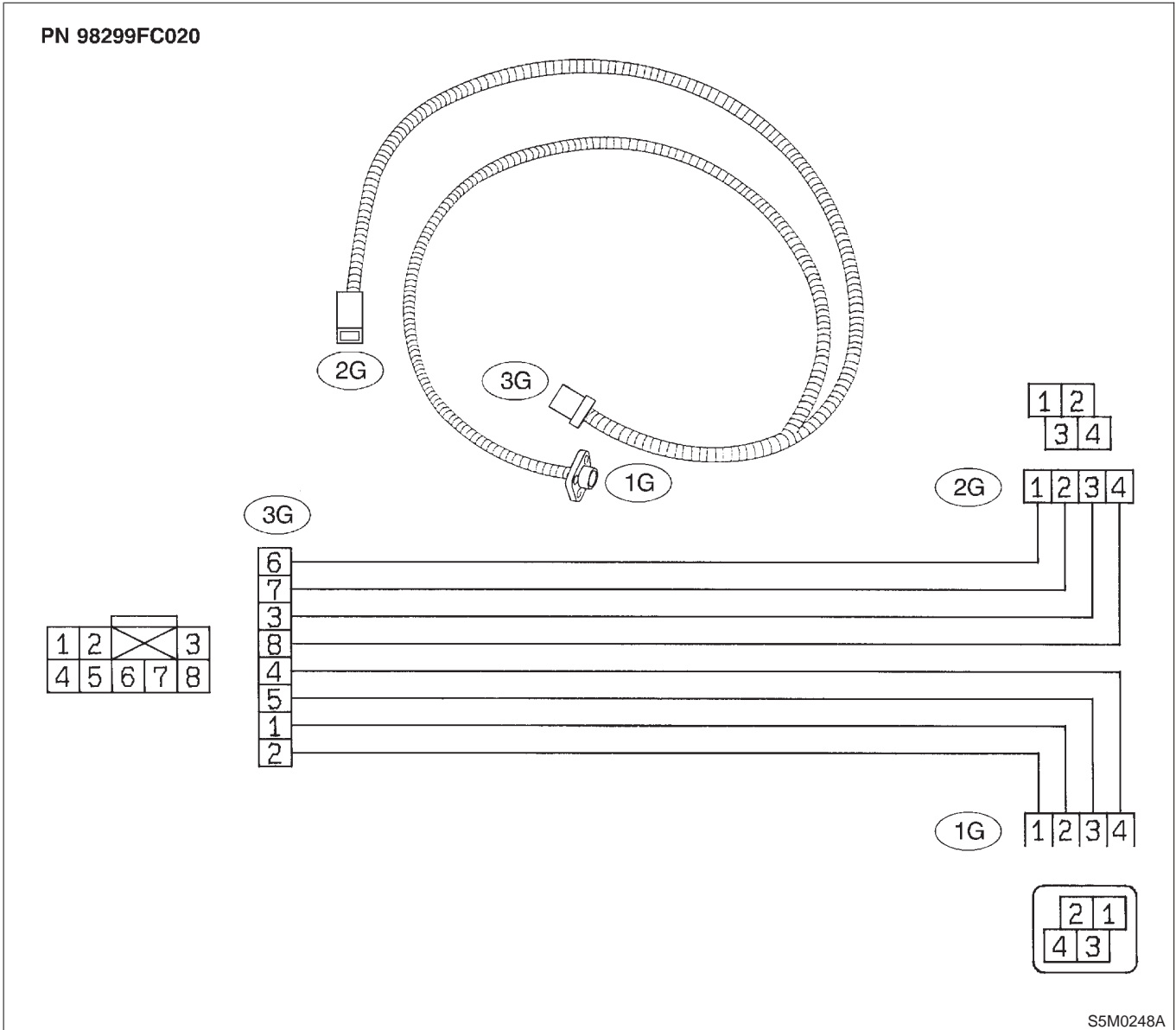
PN 98299FC010



S5M0247A

3. TEST HARNESS G S002001A1703

PN 98299FC020



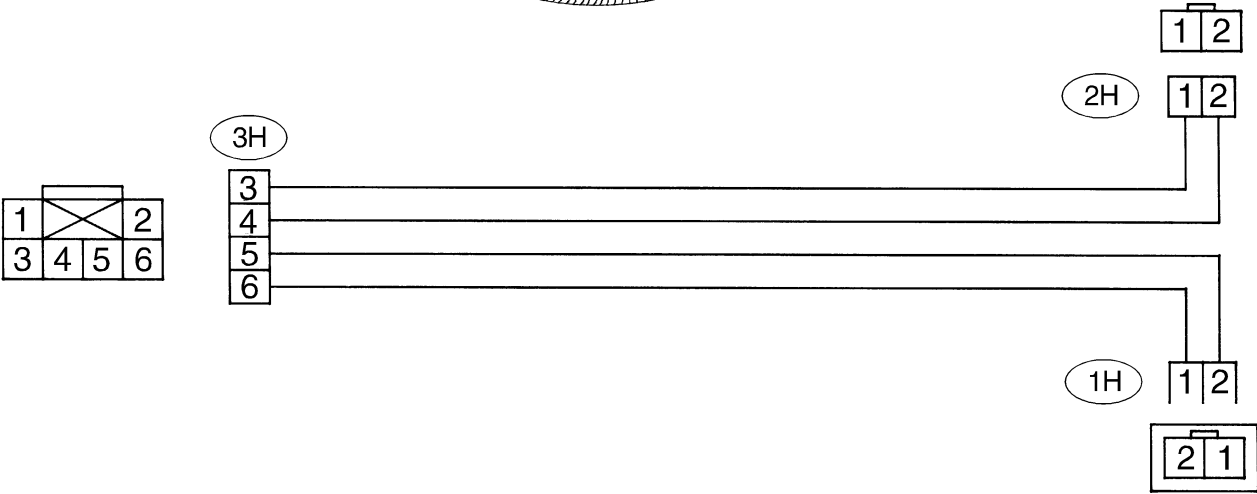
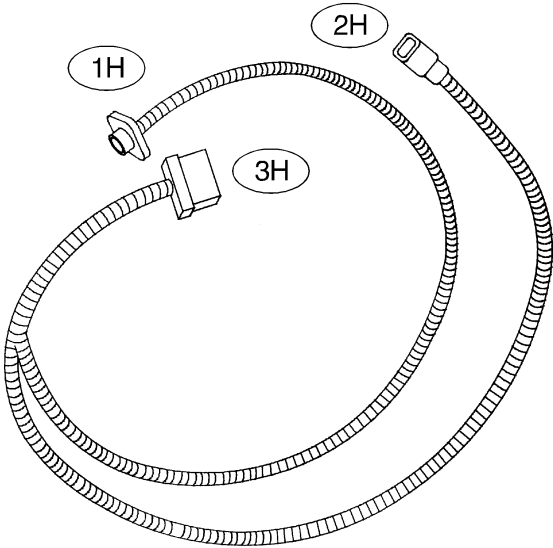
S5M0248A

GENERAL DESCRIPTION

Airbag System (DIAGNOSTICS)

4. TEST HARNESS H S002001A1704

PN 98299FA030



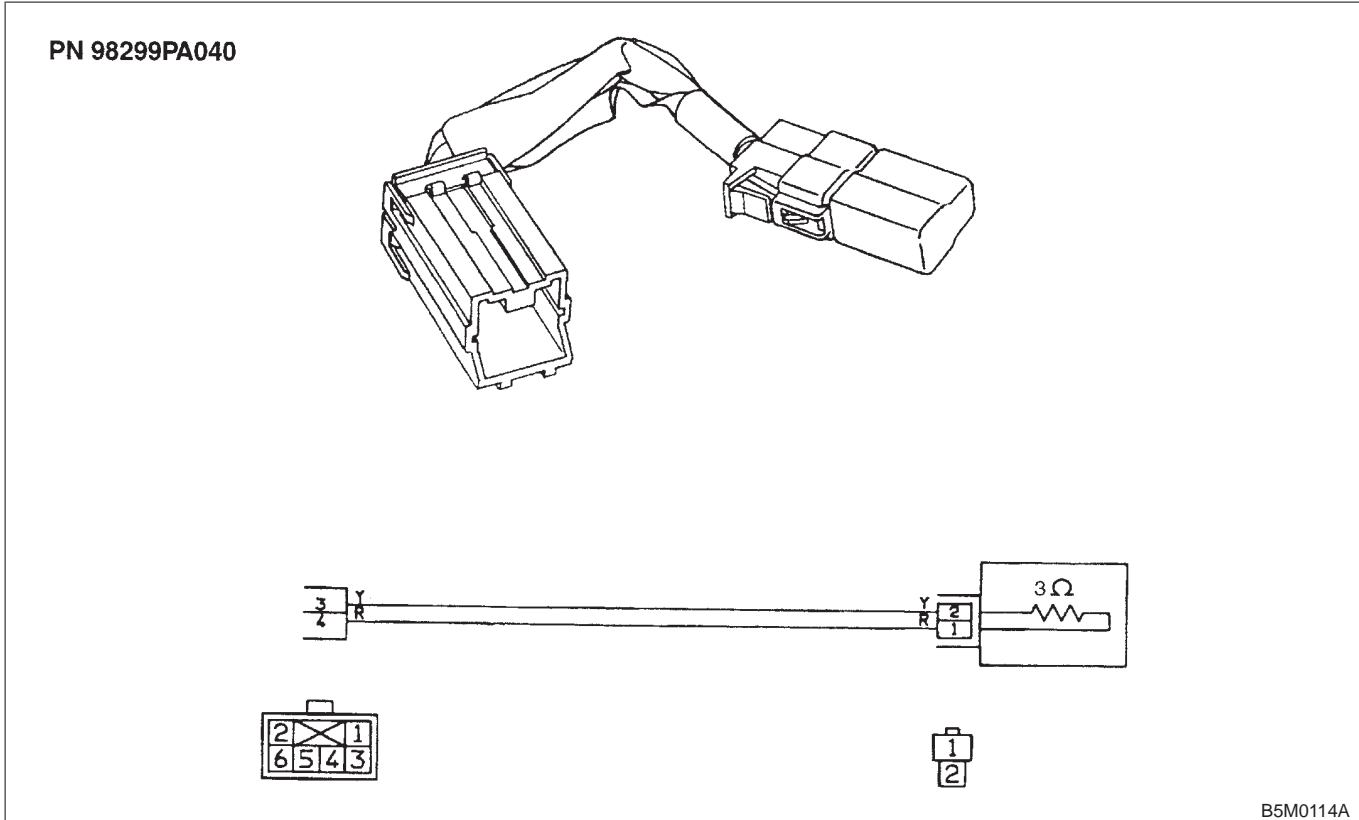
B5M0553B

GENERAL DESCRIPTION

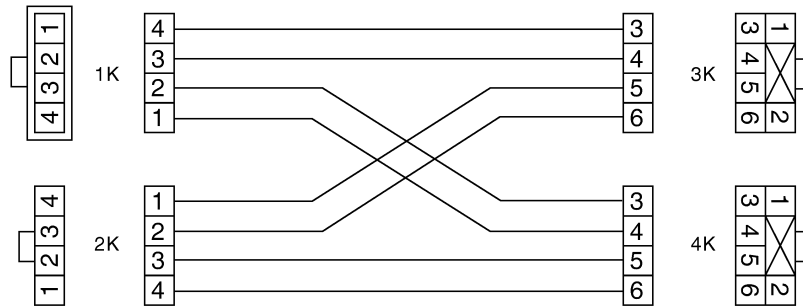
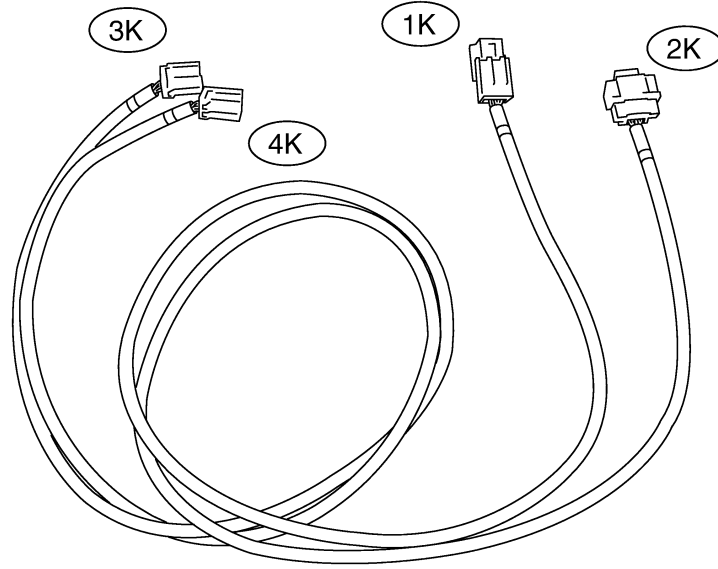
Airbag System (DIAGNOSTICS)

6. AIRBAG RESISTOR S002001A1706

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.



7. TEST HARNESS K S002001A1708



B5M1110A