

3. General Description

A: CAUTION

Refer to “CAUTION” in “General Description” in Airbag System. <Ref. to AB-9, CAUTION, General Description.>

B: INSPECTION

Measure the battery voltage and check electrolyte.

Standard voltage: 12 V

Specific gravity: 1.260 or more

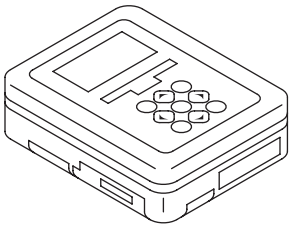
C: PREPARATION TOOL

CAUTION:

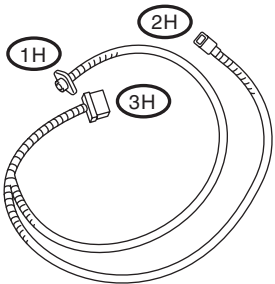
To measure the voltage and resistance of airbag system component, be sure to use the specified test harness.

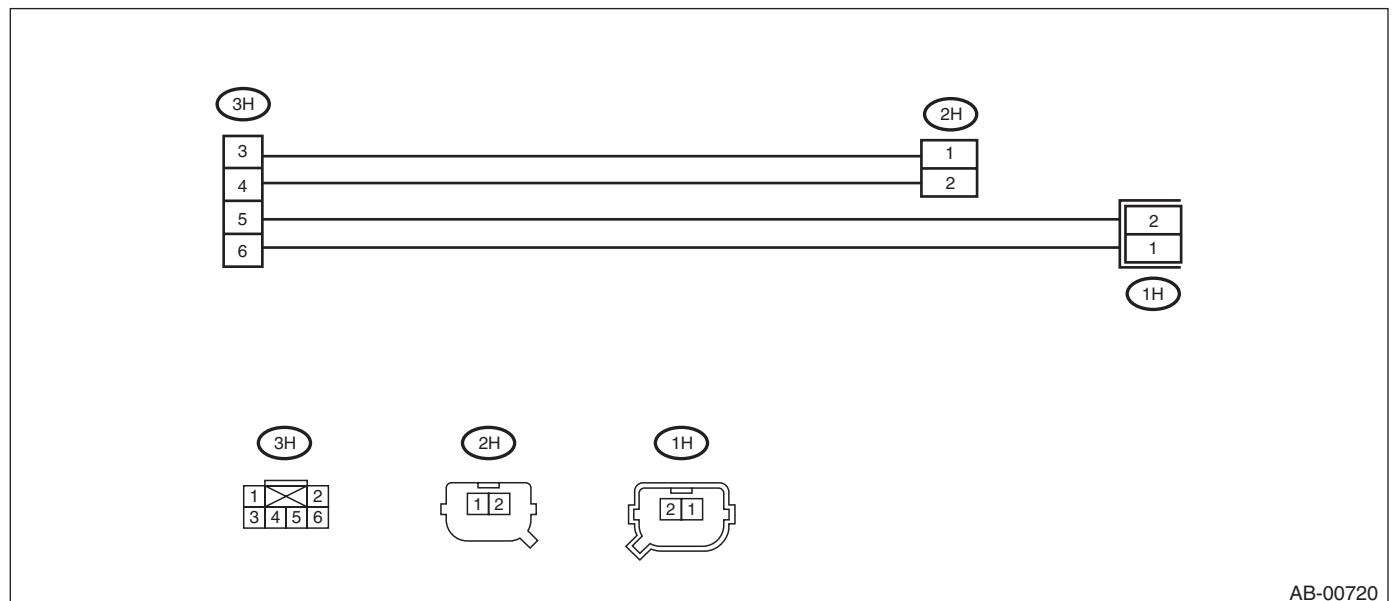
1. SPECIAL TOOL

- Subaru Select Monitor

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|-------------------------------|---|
|  ST1B022XU0 | 1B022XU0 | SUBARU SELECT MONITOR III KIT | Used for troubleshooting the electrical system. |

- TEST HARNESS H

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|--|-------------|----------------|--|
|  ST98299FA030 | 98299FA030 | TEST HARNESS H | Used when measuring voltage and resistance of front sub sensor and front door impact sensor. |

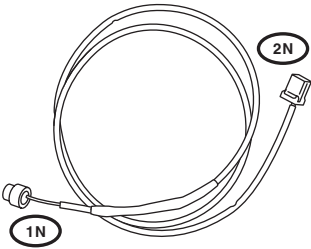


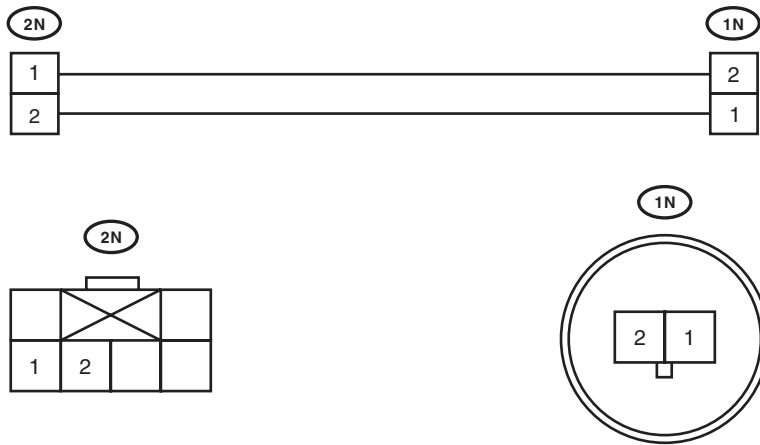
AB-00720

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

- TEST HARNESS N

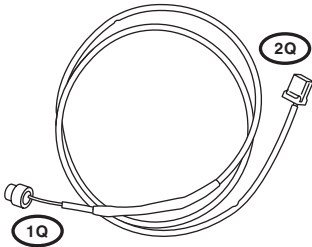
| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|----------------|---|
|  ST98299SA000 | 98299SA000 | TEST HARNESS N | Used when measuring voltage and resistance of driver's airbag module, seat belt pretensioner and curtain airbag module. |

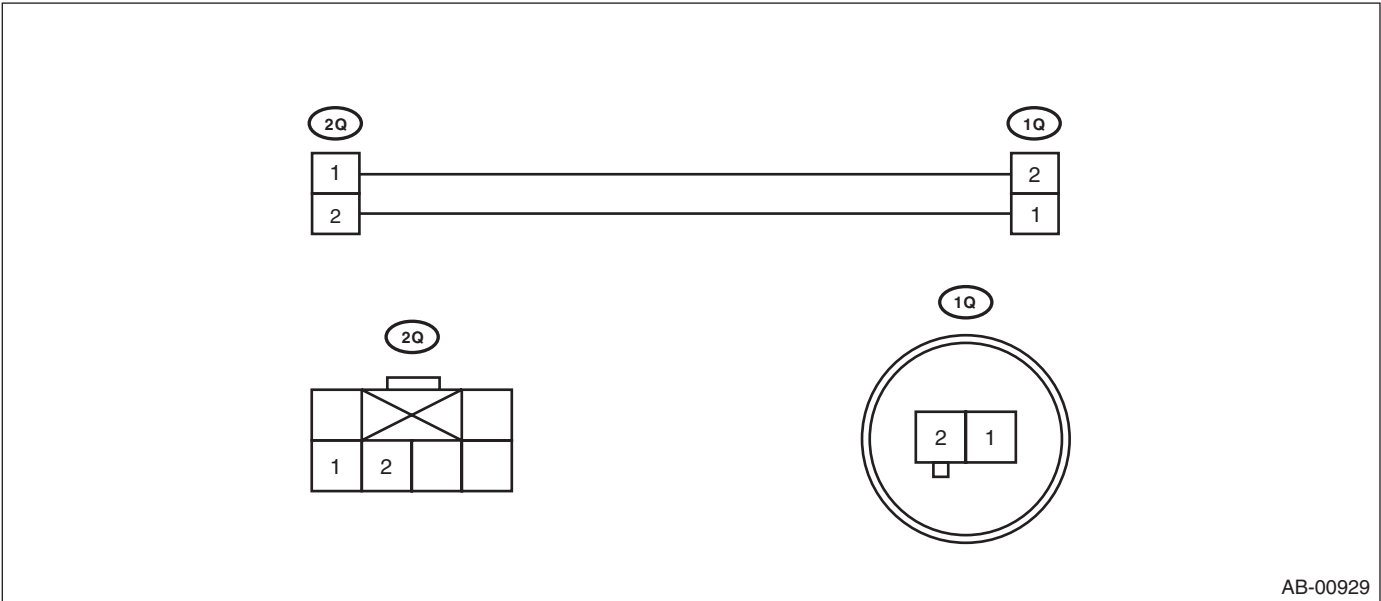


AB-00928

General Description

• TEST HARNESS Q

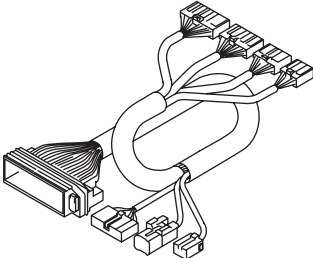
| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|----------------|---|
|  ST98299SA040 | 98299SA040 | TEST HARNESS Q | Used when measuring voltage and resistance of driver's airbag module. |



General Description

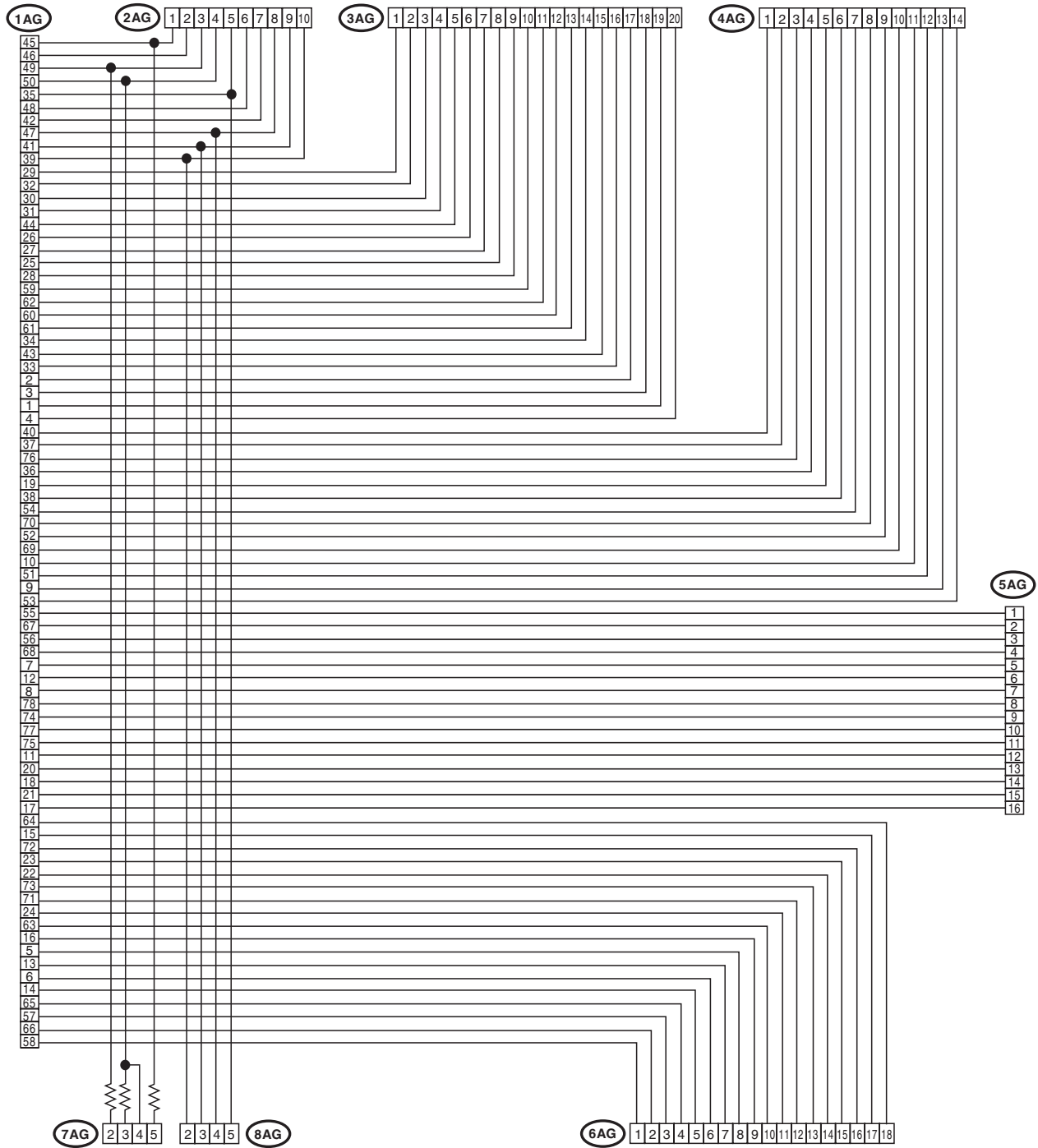
AIRBAG SYSTEM (DIAGNOSTICS)

• TEST HARNESS AG

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|--------------------|---|
|  ST98299AG070 | 98299AG070 | TEST HARNESS AG | Used when measuring voltage and resistance of airbag control module. |

General Description

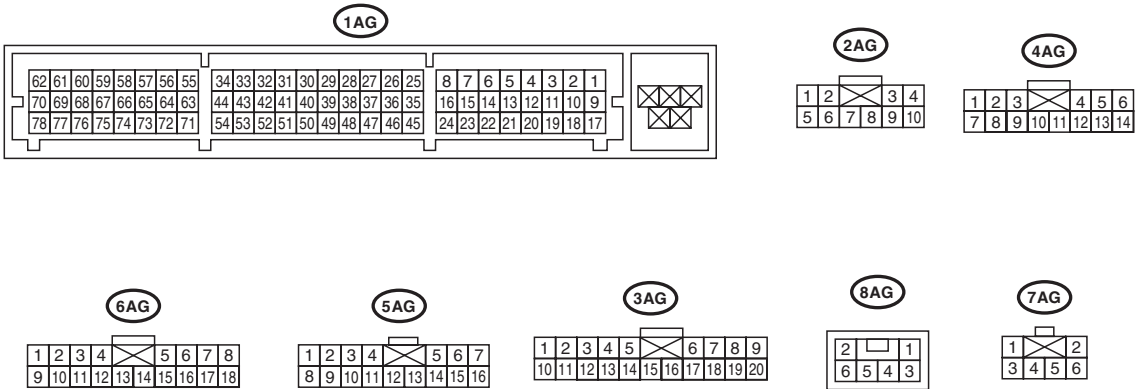
AIRBAG SYSTEM (DIAGNOSTICS)



AB-01902

General Description

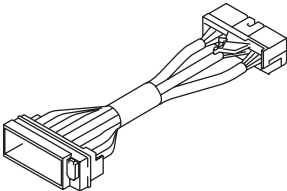
AIRBAG SYSTEM (DIAGNOSTICS)

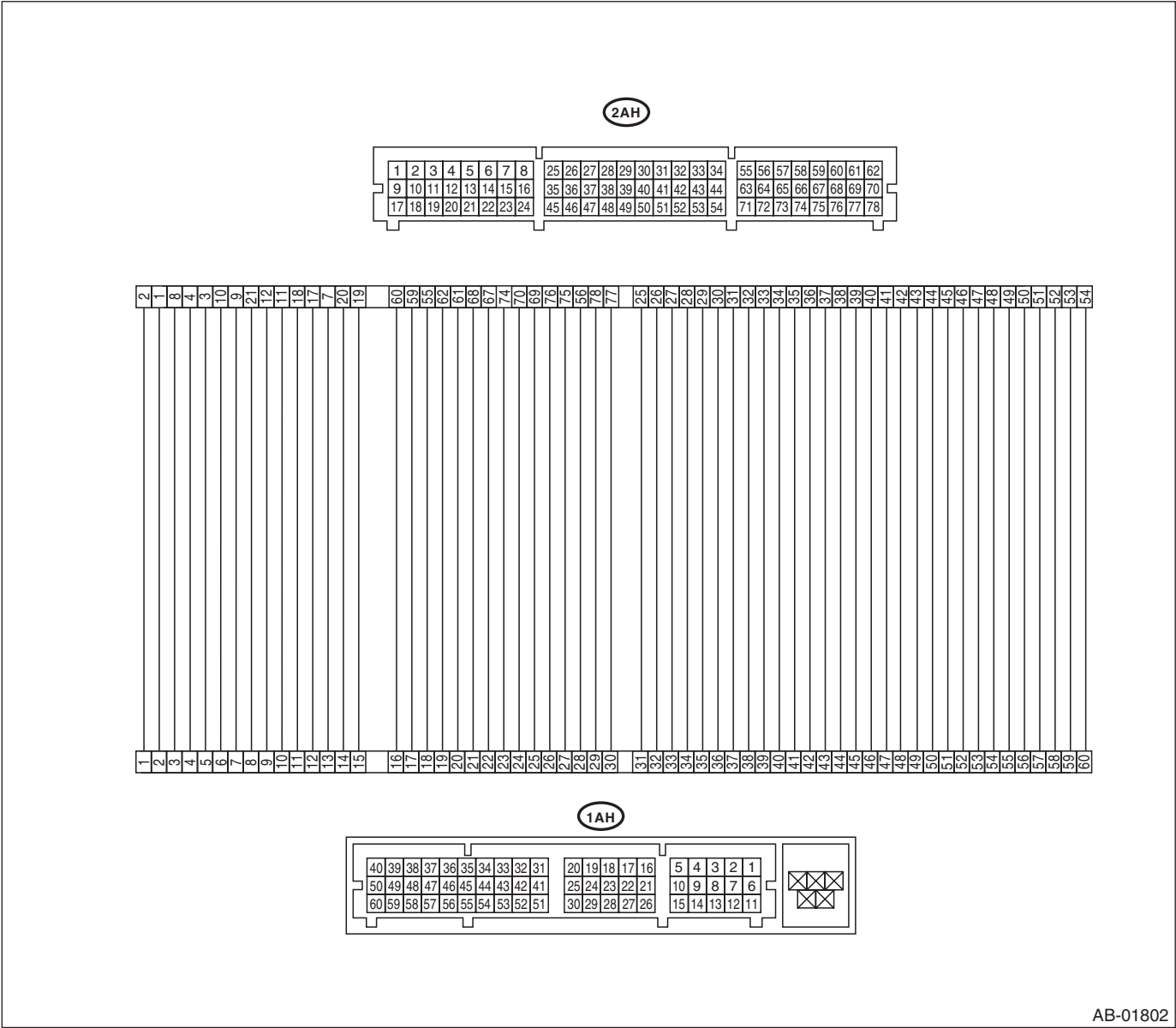


AB-01781

General Description

• TEST HARNESS AH

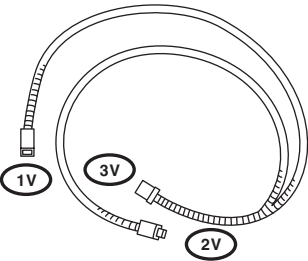
| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|--|-------------|--------------------|--|
| <div> <div>ST98299AG080</div></div> | 98299AG080 | TEST HARNESS AH | Used together with test harness AG when measuring voltage and resistance of the airbag control module. |

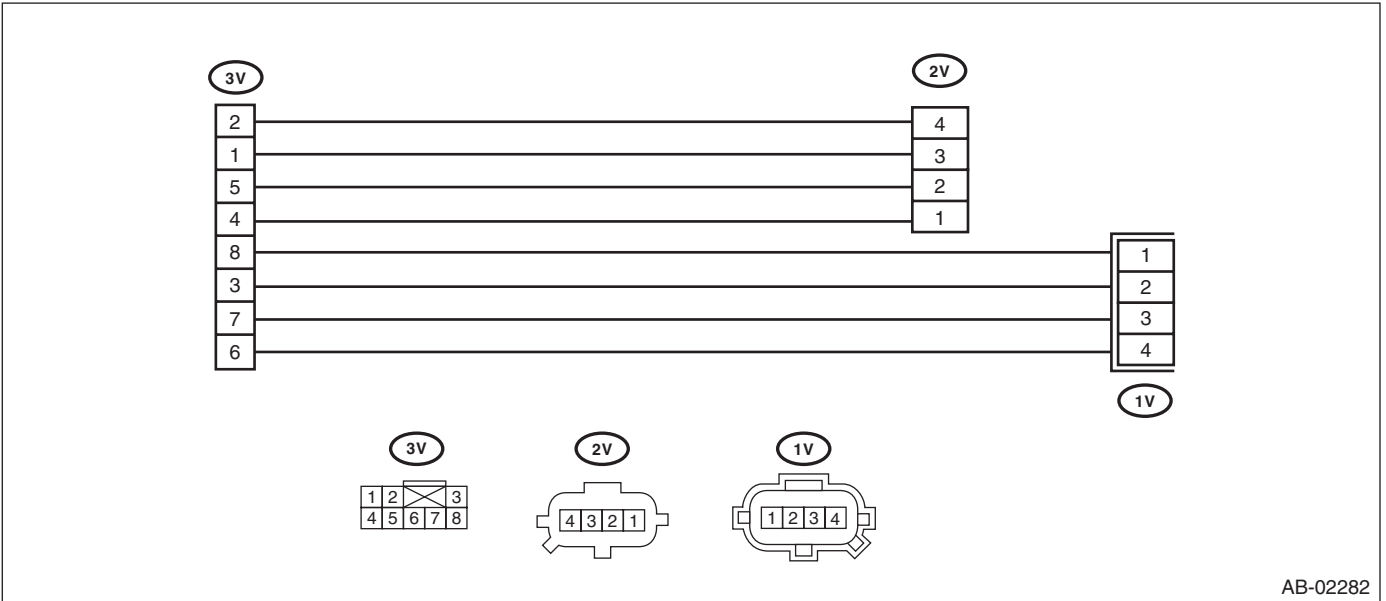


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

• TEST HARNESS V

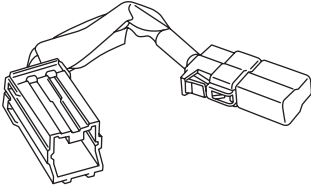
| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|----------------|---|
|  ST98299AG010 | 98299AG010 | TEST HARNESS V | Used when measuring voltage and resistance of side airbag sensor and curtain airbag sensor. |

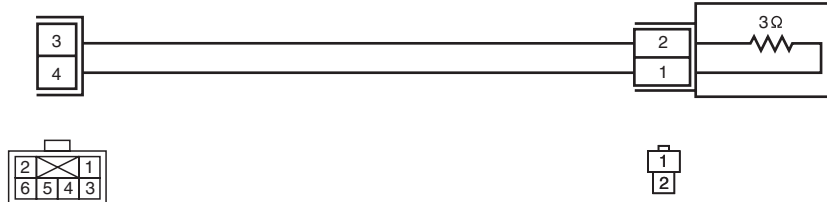


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

- AIRBAG RESISTOR

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|-----------------|--|
|  ST98299PA040 | 98299PA040 | AIRBAG RESISTOR | Used in replacement of airbag module for which resistance value is same as airbag module. Two ST are required for diagnosis of two-stage inflator type airbag module. |

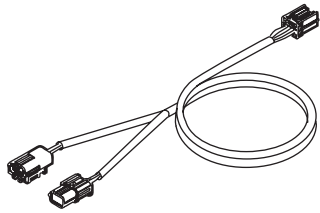


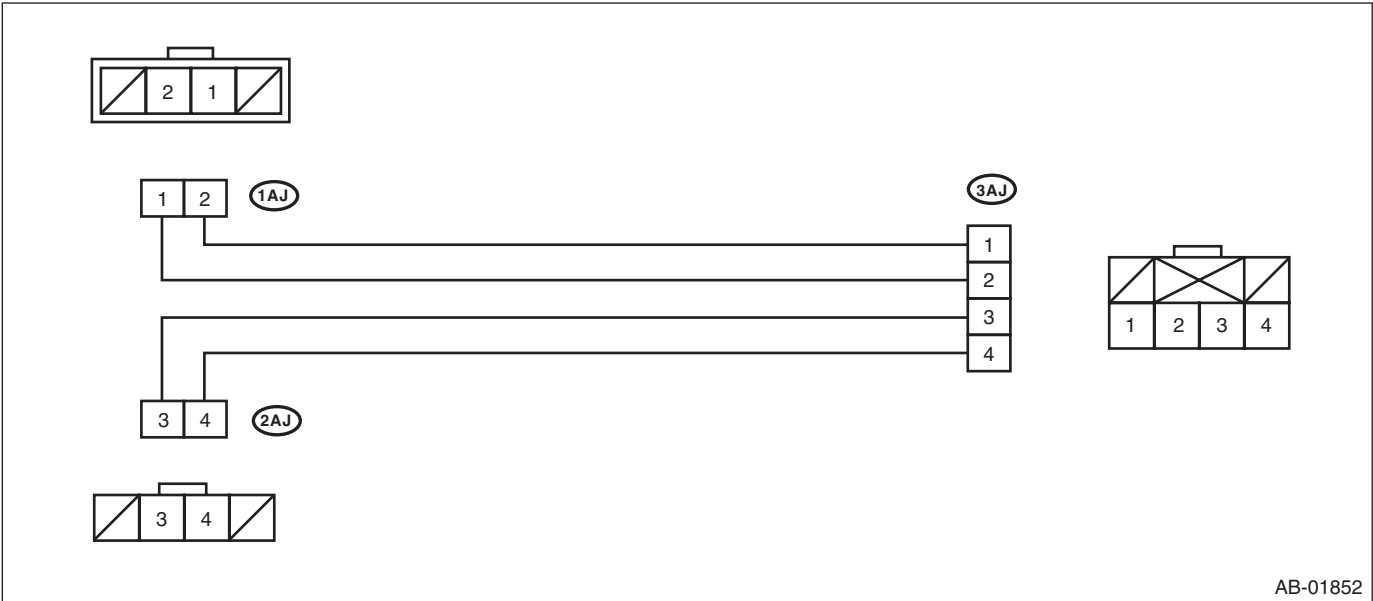
AB-00433

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

- TEST HARNESS AJ

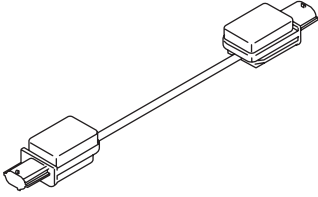
| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|-----------------|---|
|  ST98299FG000 | 98299FG000 | TEST HARNESS AJ | Used when measuring power supply and resistance of side airbag harness. |

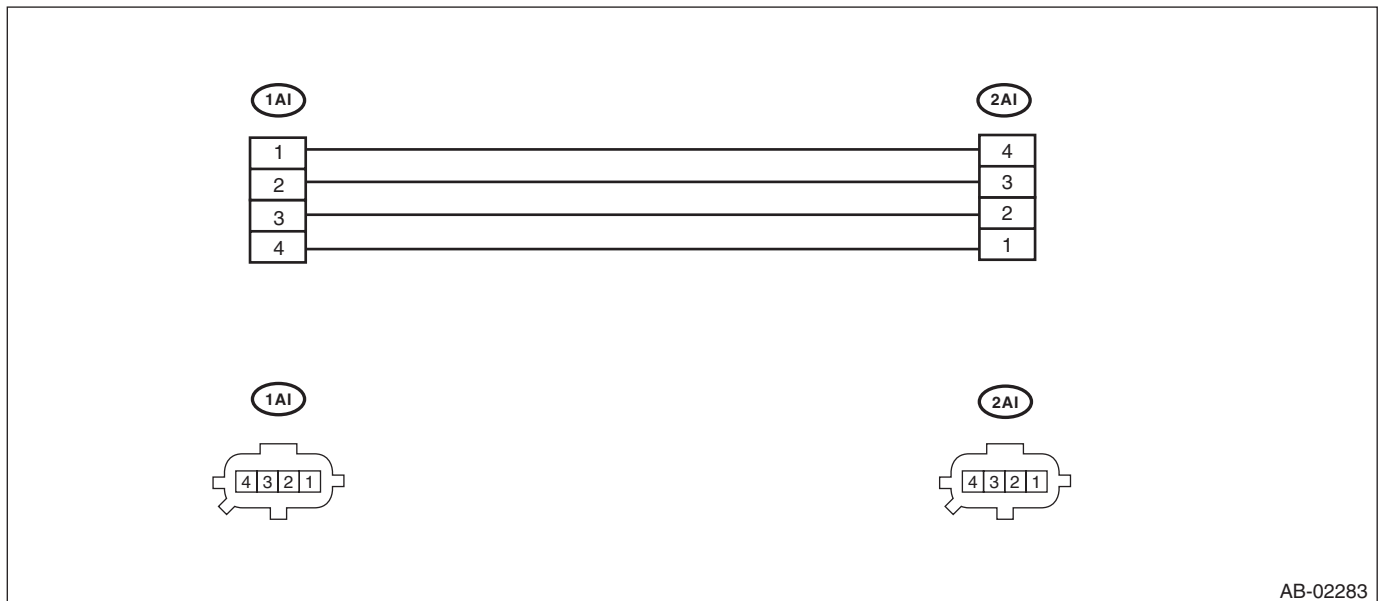


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

• TEST HARNESS AI

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|-------------|-----------------|---|
|  <p>ST98299AG090</p> | 98299AG090 | TEST HARNESS AI | <ul style="list-style-type: none"> Used for diagnoses of side airbag sensor and curtain airbag sensor. Used together with test harness V. |



2. GENERAL TOOL

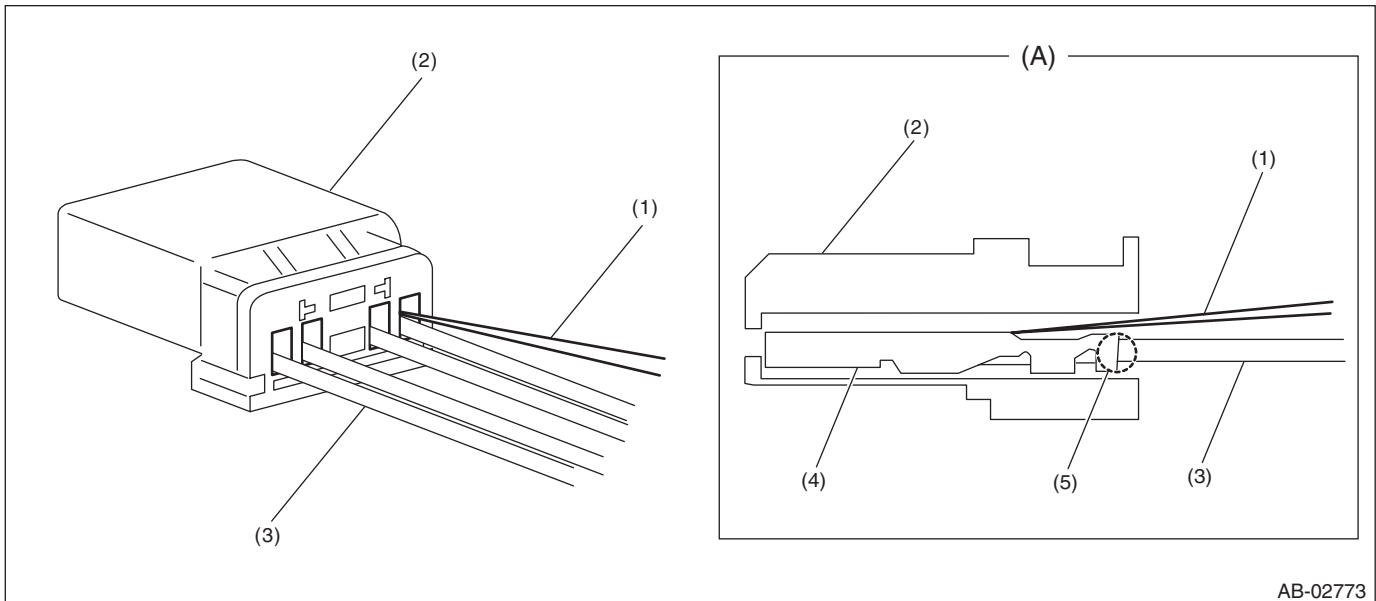
| TOOL NAME | REMARKS |
|----------------|--|
| Circuit tester | Used for measuring resistance, voltage and current. |
| Oscilloscope | Used for measuring the sensor. |
| Probe | Used when measuring voltage and resistance of passenger's airbag module. |

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

3. HOW TO USE PROBE

Insert the probe into the harness hole, and contact it with the terminal.



AB-02773

(A) Cross section

(1) Probe

(2) Connector (housing)

(3) Harness

(4) Terminal

(5) Connection

CAUTION:

- Do not insert the probe forcibly.
- Be careful not to contact it to the connection (5) between the terminal and harness. (Harness will come off easily from connector if doing so.)