

General Description

OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

3. General Description

A: CAUTION

1. SUPPLEMENTAL RESTRAINT SYSTEM “AIRBAG”

CAUTION:

- All the airbag system wiring harnesses and connectors are colored yellow. Do not use electrical test equipment on these circuits.
- Be careful not to damage the airbag system wiring harness or connectors when servicing the occupant detection system.

B: INSPECTION

Before performing diagnosis, check the following item which might affect the occupant detection system problems.

1. BATTERY

Measure the battery voltage and specific gravity and check electrolyte.

Standard voltage:

12 V or more

Specific gravity:

Above 1.260

Electrolyte:

Between the upper level and lower level

2. AIRBAG SYSTEM

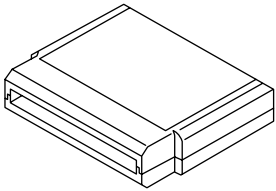

Read the DTC of airbag system, and check that there is no malfunction in airbag system.

Standard:

DTC is not displayed.

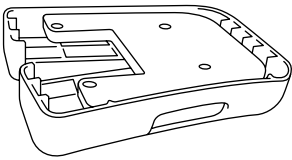
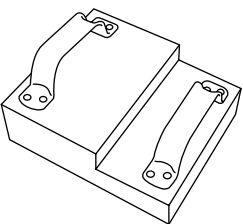

C: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST18482AA010	18482AA010	CARTRIDGE	Used for diagnosis of the electrical system.
 ST22771AA030	22771AA030	SUBARU SELECT MONITOR KIT	Used for diagnosis of the electrical system.

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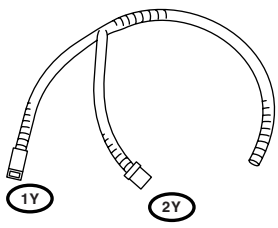
OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

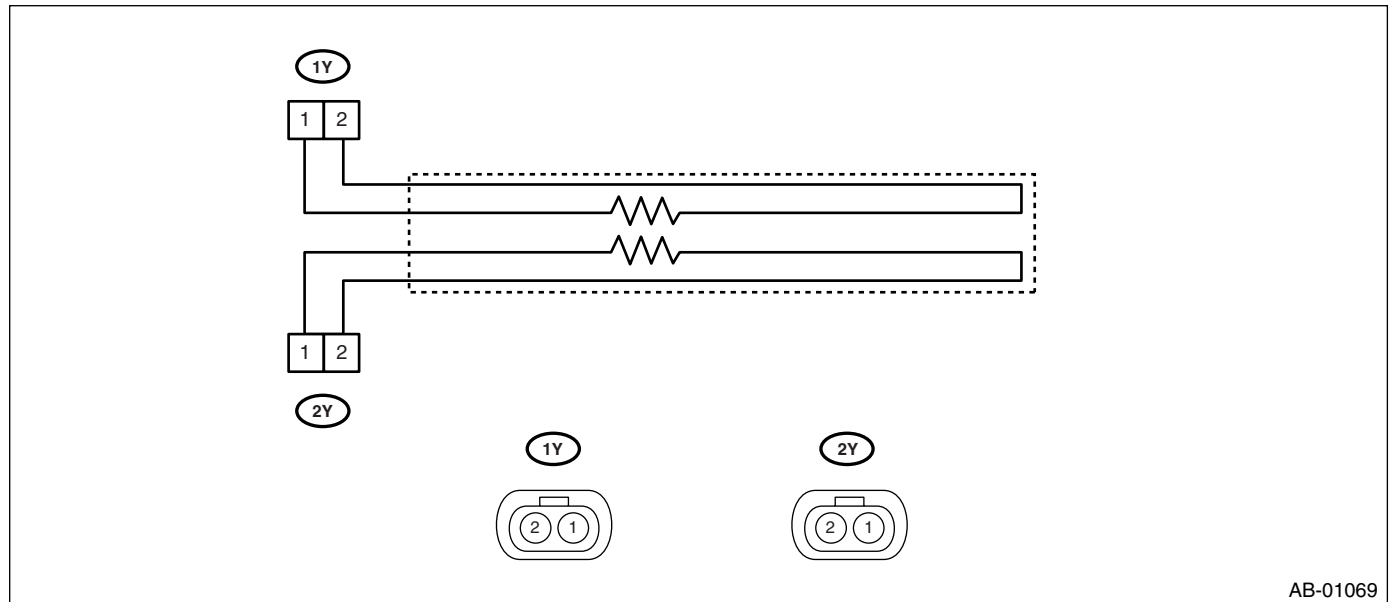
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98399AG000</p>	98399AG000	SPECIAL TOOL WEIGHT A	<ul style="list-style-type: none"> Used for occupant detection system calibration. Used with SPECIAL TOOL WEIGHT B (98399AG010).
 <p>ST98399AG010</p>	98399AG010	SPECIAL TOOL WEIGHT B	<ul style="list-style-type: none"> Used for occupant detection system calibration. Used with SPECIAL TOOL WEIGHT A (98399AG000).
 <p>ST64186AG00A</p>	64186AG00A	SPACER KIT OCCUPANT	Used for occupant detection system calibration.

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• TEST HARNESS Y

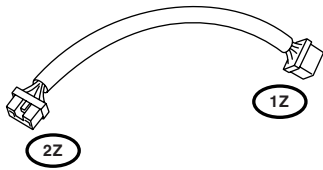
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299AG040</p>	98299AG040	TEST HARNESS Y	<ul style="list-style-type: none">Used for checking buckle switch.Used for checking buckle switch and seat position sensor.

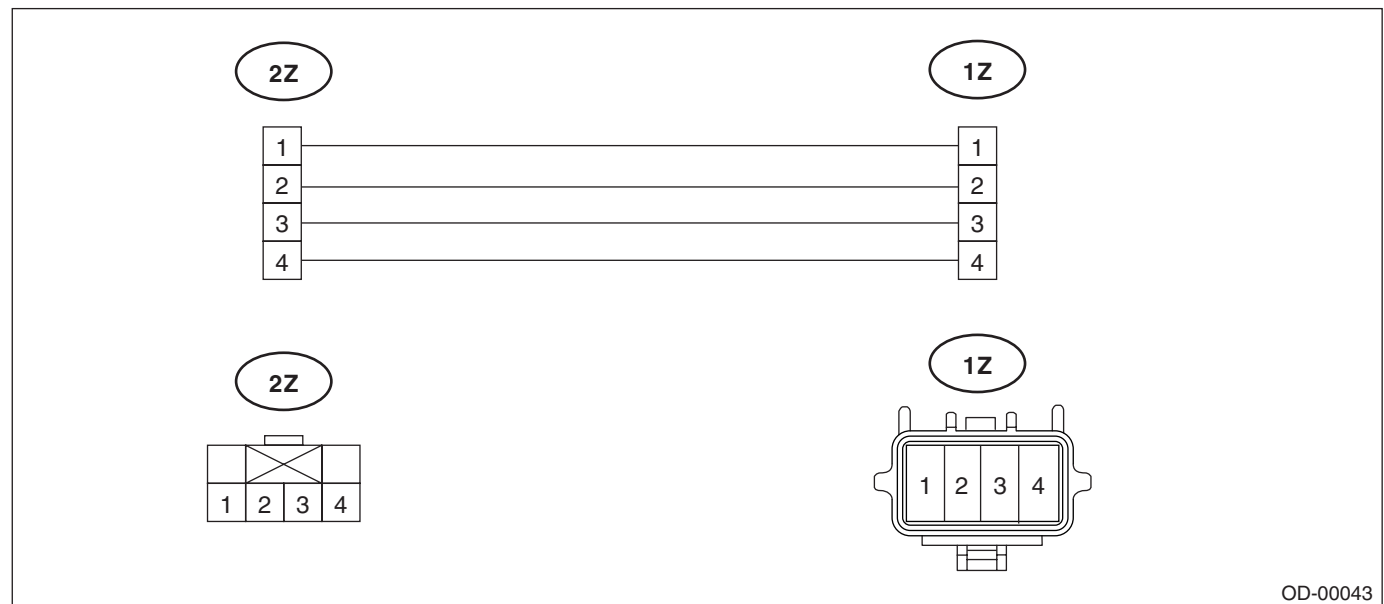


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• TEST HARNESS Z

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST98299AG050</p>	98299AG050	TEST HARNESS Z	Used for checking power supply for occupant detection module harness.



NOTE:

SPECIAL TOOL WEIGHT A and SPECIAL TOOL WEIGHT B are supplied in a container as system calibration weight kit.

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.