

## 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

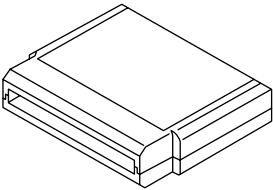
Read the DTC of airbag system, and check that there is no malfunction in airbag system.

##### *Standard:*

*DTC is not displayed.*

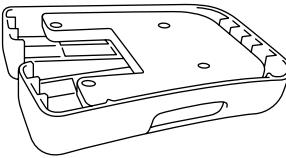
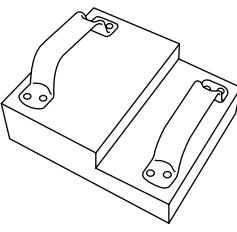
## C: PREPARATION TOOL

### 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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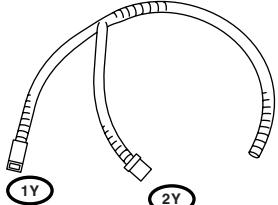
### OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

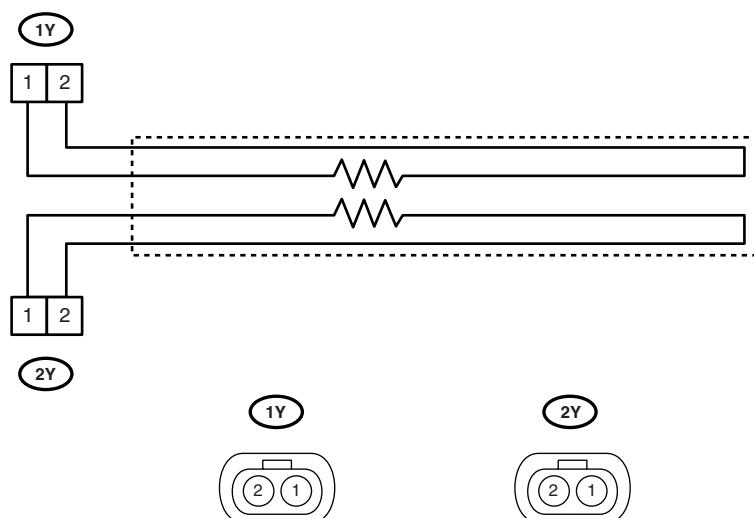
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
	98399AG000 ST98399AG000	SPECIAL TOOL WEIGHT A	<ul style="list-style-type: none"><li>Used for occupant detection system calibration.</li><li>Used with SPECIAL TOOL WEIGHT B (98399AG010).</li></ul>
	98399AG010 ST98399AG010	SPECIAL TOOL WEIGHT B	<ul style="list-style-type: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

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## OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

- TEST HARNESS Y

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

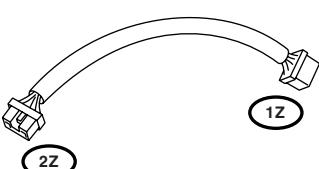


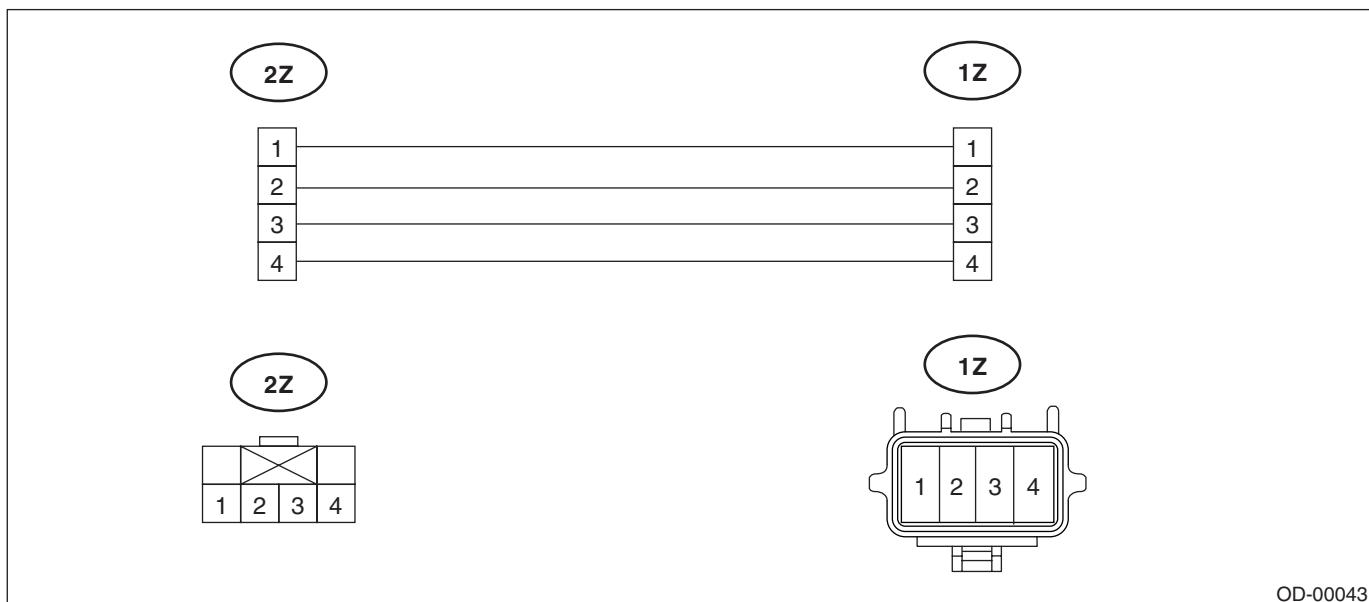
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### OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

- TEST HARNESS Z

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299AG050	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.