

## GENERAL DESCRIPTION

VDC (DIAGNOSTICS)

### 3. General Description

#### A: CAUTION

##### 1. SUPPLEMENTAL RESTRAINT SYSTEM "AIRBAG"

Airbag system wiring harness is routed near the ABS sensor, ABS control module and hydraulic control unit.

##### CAUTION:

- All airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuit.
- Be careful not to damage airbag system wiring harness when servicing the ABS sensor, ABS control module and hydraulic control unit.

#### B: INSPECTION

Before performing diagnostics, check the following items which might affect VDC problems:

##### 1. BATTERY

Measure battery voltage and specific gravity of electrolyte.

**Standard voltage: 12 V, or more**

**Specific gravity: Above 1.260**

##### 2. BRAKE FLUID

- 1) Check brake fluid level.
- 2) Check brake fluid leakage.

##### 3. HYDRAULIC UNIT

Check the hydraulic unit VDC.

- With brake tester <Ref. to VDC-13, CHECKING THE HYDRAULIC UNIT ABS OPERATION WITH BRAKE TESTER, INSPECTION, Hydraulic Control Unit (H/U).>
- Without brake tester <Ref. to VDC-14, CHECKING THE HYDRAULIC UNIT VDC OPERATION BY PRESSURE GAUGE, INSPECTION, Hydraulic Control Unit (H/U).>

##### 4. BRAKE DRAG

Check brake drag.

##### 5. BRAKE PAD AND ROTOR

Check brake pad and rotor.

- Front <Ref. to BR-14, INSPECTION, Front Brake Pad.><Ref. to BR-15, INSPECTION, Front Disc Rotor.>
- Rear <Ref. to BR-19, INSPECTION, Rear Brake Pad.><Ref. to BR-20, INSPECTION, Rear Disc Rotor.>

### 6. TIRE

Check tire specifications, tire wear and air pressure. <Ref. to WT-2, SPECIFICATIONS, General Description.>

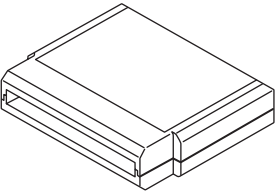

## VDC-9

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VDC (DIAGNOSTICS)

### C: PREPARATION TOOL

#### 1. SPECIAL TOOLS

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST-2082AA210	24082AA210	CARTRIDGE	Troubleshooting for electrical systems.
 ST22771AA030	22771AA030	SELECT MONI- TOR KIT	Troubleshooting for electrical systems. • English: 22771AA030 (Without printer) • German: 22771AA070 (Without printer) • French: 22771AA080 (Without printer) • Spanish: 22771AA090 (Without printer)

#### 2. GENERAL PURPOSE TOOLS

TOOL NAME	REMARKS
Circuit Tester	Used for measuring resistance, voltage and ampere.
Oscilloscope	Used for measuring sensor.

VDC-10