

General Description

VEHICLE DYNAMICS CONTROL (VDC) (DIAGNOSTICS)

3. General Description

A: CAUTION

1. SUPPLEMENTAL RESTRAINT SYSTEM “AIRBAG”

The air bag system wiring harness is routed near the ABS wheel speed sensor VDCCM and VDCH/M.

CAUTION:

- All airbag system wiring harnesses and connectors are yellow. Do not use the electrical test equipment on these circuits.
- Be careful not to damage the airbag system wiring harness when servicing the ABS wheel speed sensor, VDCCM and VDCH/M.

B: INSPECTION

Before performing diagnosis, check the following items which might affect VDC problems.

1. BATTERY

Measure the battery voltage and check electrolyte.

Standard voltage:

12 V or more

Specific gravity:

1.260 or more

2. GROUND

Check the tightening of VDC ground (GV) bolt.

3. BRAKE FLUID

- 1) Check the brake fluid level. <Ref. to BR-41, INSPECTION, Brake Fluid.>
- 2) Check for brake fluid leaks. <Ref. to BR-41, INSPECTION, Brake Fluid.>

4. HYDRAULIC MODULE

Check the VDCH/M.

- When using the brake tester <Ref. to VDC-15, CHECKING THE VDC HYDRAULIC CONTROL MODULE (VDCH/M) VDC OPERATION BRAKE TESTER, INSPECTION, VDC Hydraulic Control Module (VDCH/M).>
- When not using the brake tester <Ref. to VDC-14, CHECKING THE VDC HYDRAULIC CONTROL MODULE (VDCH/M) VDC OPERATION BY PRESSURE GAUGE, INSPECTION, VDC Hydraulic Control Module (VDCH/M).>

5. BRAKE DRAG

Check for brake drag.

6. BRAKE PAD AND ROTOR

Check the brake pad and rotor.

- Front <Ref. to BR-16, INSPECTION, Front Brake Pad.> <Ref. to BR-17, INSPECTION, Front Disc Rotor.>
- Rear <Ref. to BR-21, INSPECTION, Rear Brake Pad.> <Ref. to BR-22, Rear Disc Rotor.>

7. TIRE

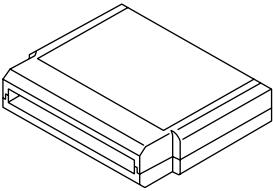
Check the tire specifications, tire wear and air pressure. <Ref. to WT-2, SPECIFICATION, General Description.>

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C: PREPARATION TOOL

1. SPECIAL TOOL

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

2. GENERAL TOOL

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