Component Procedures: Hydraulic Control Assembly - Antilock Brakes

Table of Contents

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Parts and Labor (itype_189)

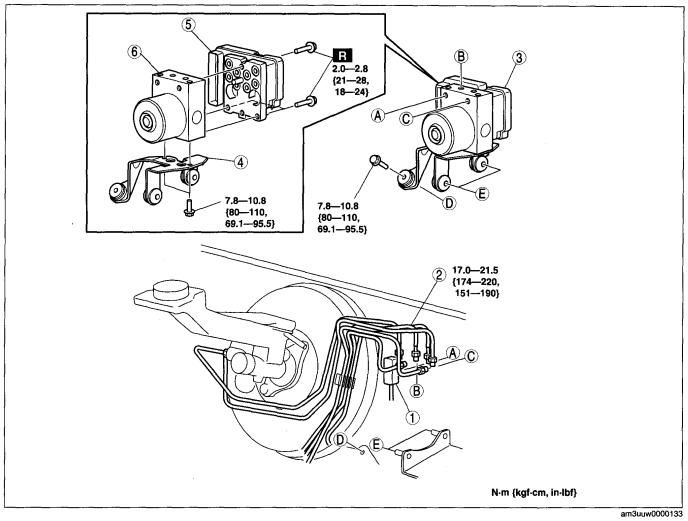
Parts

Qualifier	Part #	Name	Price	Note
Modulator Valve > Without St?	BVSN437AZD	Modulator Valve	1163.39	Includes Control Module.
Modulator Valve > With Stabi?	BRYV437AZB	Modulator Valve	1446.19	Includes Control Module.

Labor

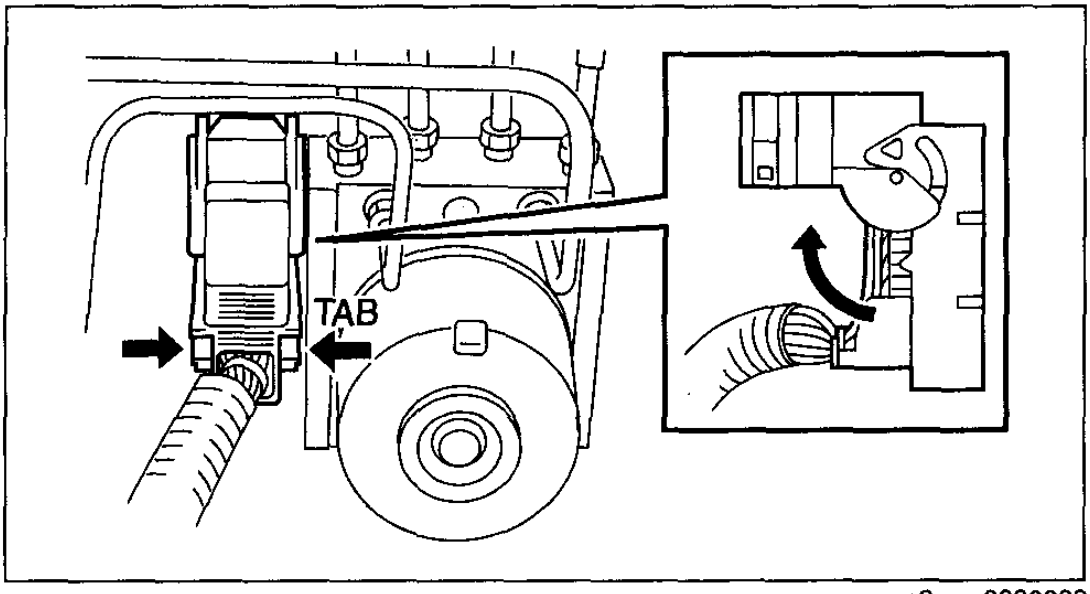
Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Modulator Valve	B	1.7	1.3

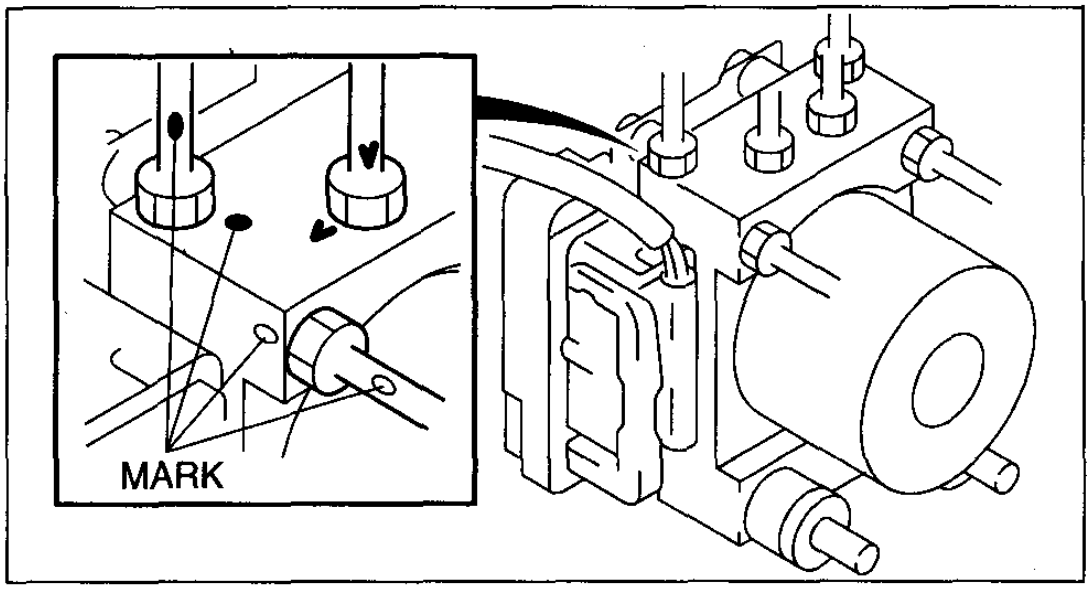
ABS HU/CM Removal/Installation (Article 1366716)



1	Connector (See Connector Removal Note.) (See Connector Installation Note.)
2	Brake pipe (See Brake Pipe Removal Note.) (See Brake Pipe Installation Note.)

3	ABS HU/CM component, bracket (See ABS HU/CM Component, Bracket Removal Note.)
4	Bracket
5	ABS CM
6	ABS HU





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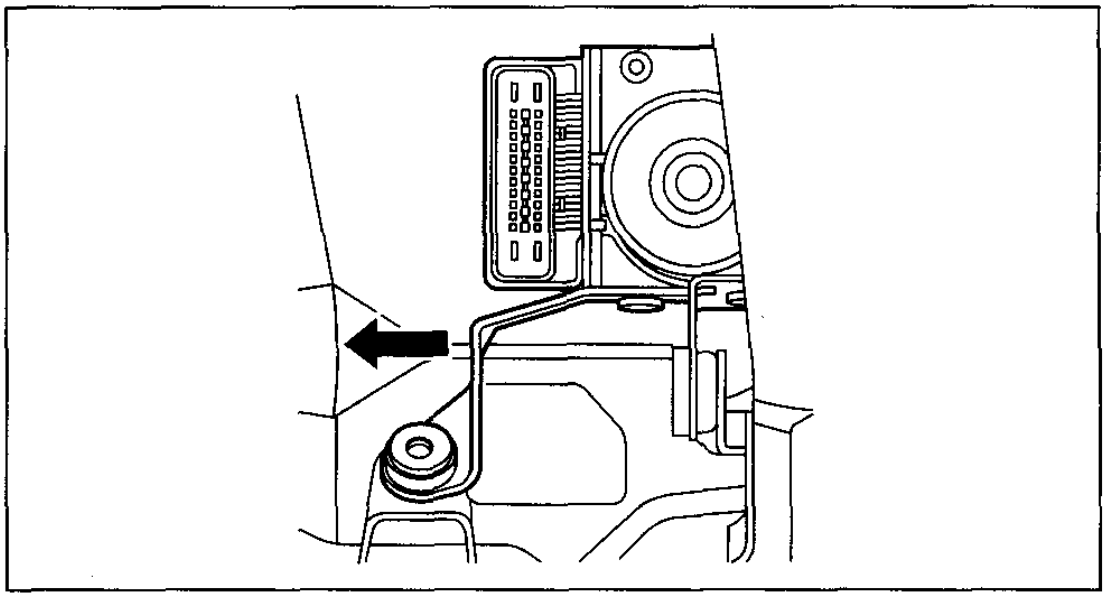

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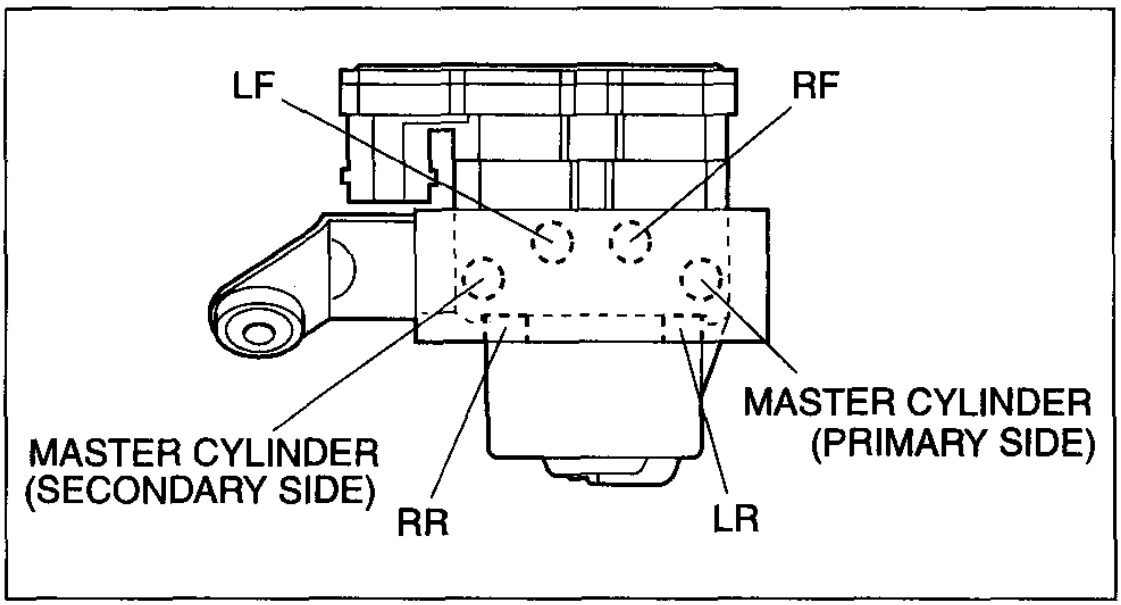

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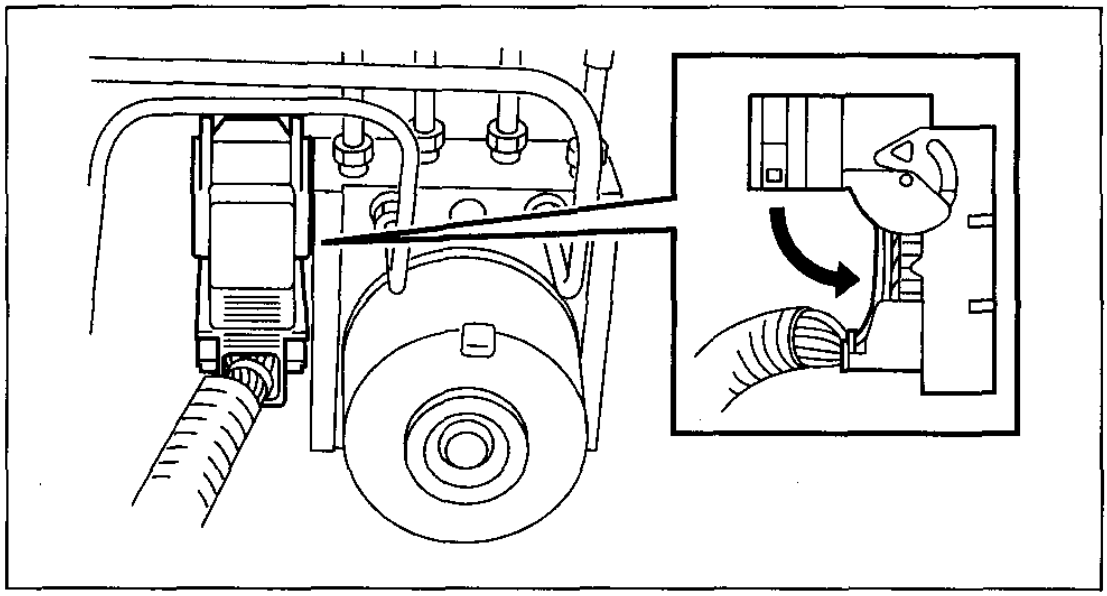

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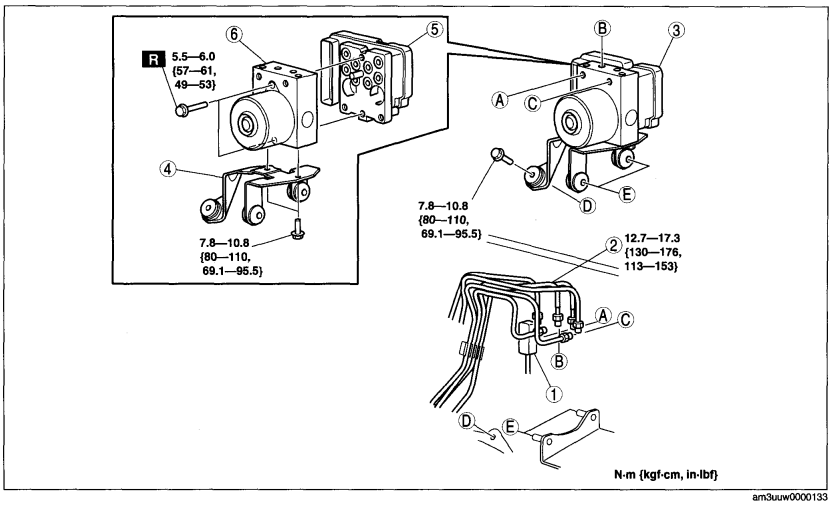
DSC HU/CM Removal/Installation (Article 1364895)



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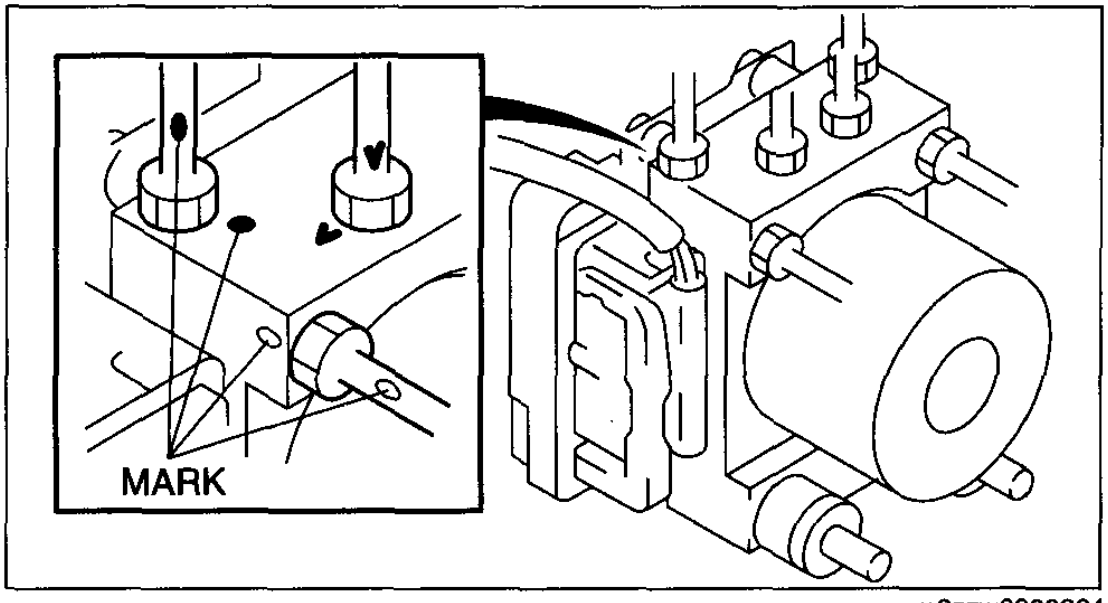
1	Connector
2	Brake pipe (See Brake Pipe Removal Note.) (See Brake Pipe Installation Note.)

3	DSC HU/CM, bracket (See DSC HU/CM, Bracket Removal Note.)
4	Bracket
5	DSC CM
6	DSC HU



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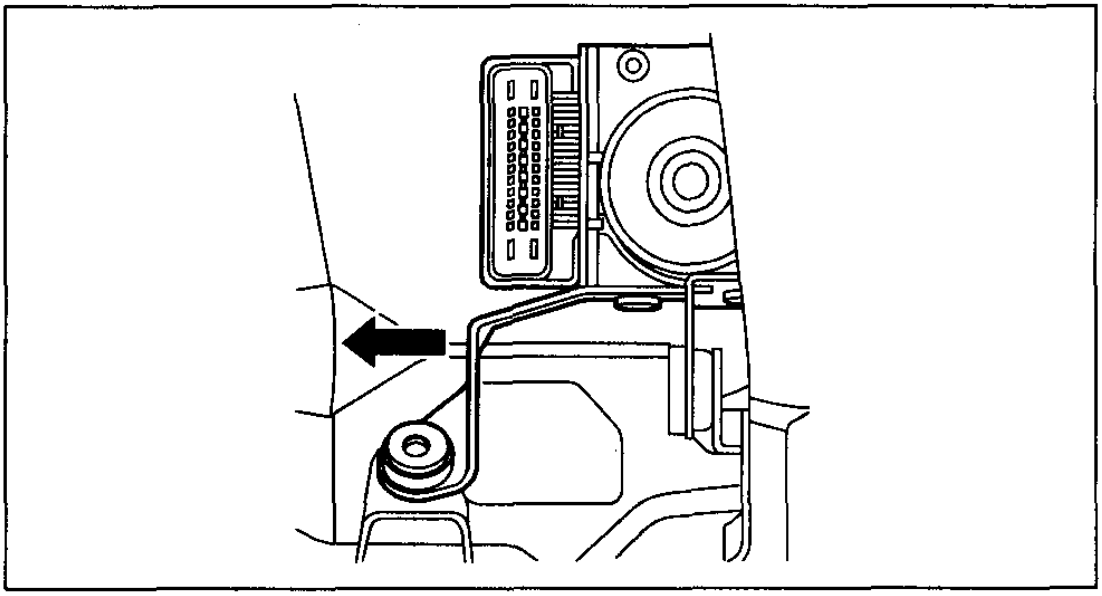

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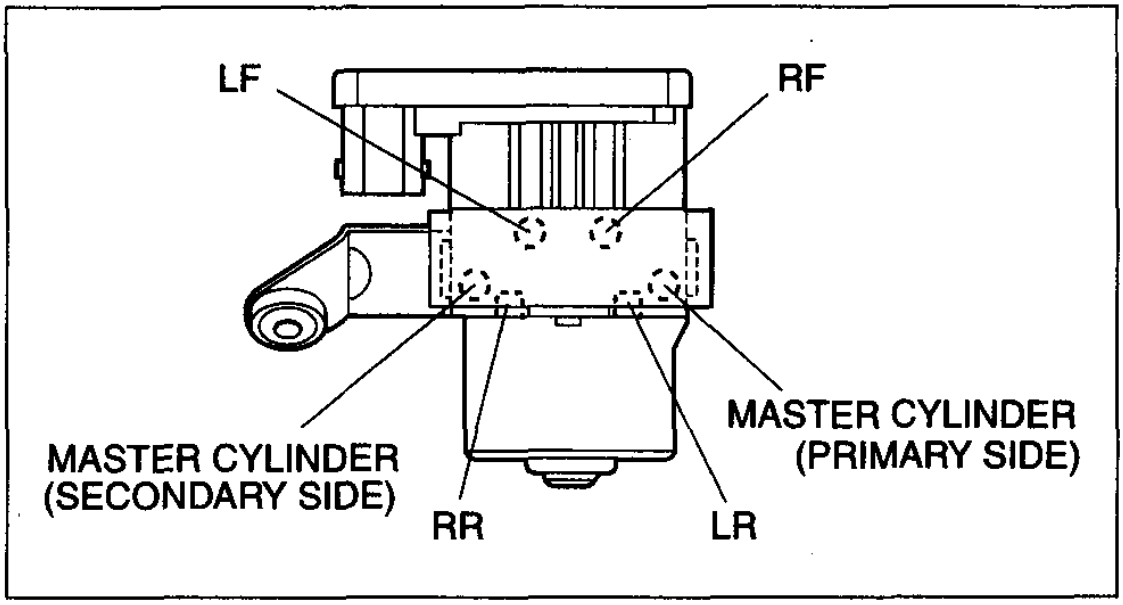

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Antilock Brake System (Article 1366825)

Non Standards
- ABS HU/CM Inspection (1366826)

Antilock Brake System (Article 1366698)

Non Standards
- Control Module Pinout Values (1366699)

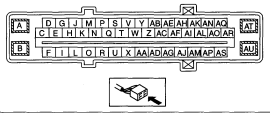
Dynamic Stability Control (Article 1366700)

Non Standards
- Control Module Pinout Values (1366701)

DSC HU/CM Inspection (Article 1361606)

Standard (Reference)

DSC HU/CM WIRING HARNESS-SIDE CONNECTOR



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Terminal	Signal name	Connected to	Measured Item	Measured terminal (measurement condition)	Standard	Inspection item(s)
A	Ground (system)	Ground point	Continuity	A—ground point	Continuity detected	• Wiring harness (A—ground point)
B	Ground (ABS motor)	Ground point	Continuity	B—ground point	Continuity detected	• Wiring harness (B—ground point)
C	—	—	—	—	—	—
D	CAN_L	DLC-2 (CAN_L)	Continuity	D—DLC-2 terminal CAN_L	Continuity detected	• D—DLC-2 terminal CAN_L
E	—	—	—	—	—	—
F	LF wheel-speed sensor (ground)	LF wheel-speed sensor	Continuity	F—LF ABS wheel-speed sensor terminal A	Continuity detected	• Wiring harness (F—LF ABS wheel-speed sensor terminal A)
G	—	—	—	—	—	—
H	CAN2_H	Combined sensor	Continuity	H—combined sensor terminal B	Continuity detected	• Wiring harness (H—combined sensor terminal B)
I	LF wheel-speed sensor (single)	LF ABS wheel-speed sensor	Continuity	I—LF ABS wheel-speed sensor terminal A	Continuity detected	• Wiring harness (I—LF ABS wheel-speed sensor terminal A)
J	—	—	—	—	—	—
K	—	—	—	—	—	—
L	—	—	—	—	—	—
M	—	—	—	—	—	—
N	—	—	—	—	—	—
O	RR wheel-speed (signal)	RR ABS wheel-speed sensor	Continuity	O—RR ABS wheel-speed sensor terminal A	Continuity detected	• Wiring harness (O—RR ABS wheel-speed sensor terminal A)
P	CAN_H	DLC-2 (CAN_H)	Continuity	P—DLC-2 terminal CAN_H	Continuity detected	• Wiring harness (P—DLC-2 terminal CAN_H)
Q	—	—	—	—	—	—
R	RR wheel-speed (ground)	RR ABS wheel-speed sensor	Continuity	R—RR ABS wheel-speed sensor terminal B	Continuity detected	• Wiring harness (R—RR ABS wheel-speed sensor terminal B)
S	—	—	—	—	—	—
T	CAN2_L	Combined sensor	Continuity	T—combined sensor terminal A	Continuity detected	• Wiring harness (T—combined sensor terminal A)
U	—	—	—	—	—	—
V	—	—	—	—	—	—

Terminal	Signal name	Connected to	Measured Item	Measured terminal (measurement condition)	Standard	Inspection item(s)
W	—	—	—	—	—	—
X	—	—	—	—	—	—
Y	—	—	—	—	—	—
Z	—	—	—	—	—	—
AA	—	—	—	—	—	—
AB	Sensor power supply	Combined sensor, steering angle sensor	Continuity	AB—combined sensor terminal D AB—steering angle sensor terminal A	Continuity detected	• Wiring harness (AB—combined sensor terminal D) • Wiring harness (AB—steering angle sensor terminal A)
AC	—	—	—	—	—	—
AD	DSC OFF switch	DSC OFF switch	Continuity	AD—DSC OFF switch	Continuity detected	• Wiring harness (AD—DSC OFF switch)
AE	Steering angle sensor (signal B)	Steering angle sensor	Continuity	AE—steering angle sensor terminal C	Continuity detected	• Wiring harness (AE—steering angle sensor terminal C)
AF	—	—	—	—	—	—
AG	LR wheel-speed (ground)	LR wheel-speed sensor	Continuity	AG—LR ABS wheel-speed sensor terminal B	Continuity detected	• Wiring harness (AG—LR ABS wheel-speed sensor terminal B)
AH	Sensor ground	Combined sensor, steering angle sensor	Continuity	AH—combined sensor terminal E AH—steering angle sensor terminal D	Continuity detected	• Wiring harness (AH—combined sensor terminal E) • Wiring harness (AH—steering angle sensor terminal D)
AI	—	—	—	—	—	—
AJ	LR wheel-speed (signal)	LR ABS wheel-speed sensor	Continuity	AJ—LR ABS wheel-speed sensor terminal A	Continuity detected	• Wiring harness (AJ—LR ABS wheel-speed sensor terminal A)
AK	Power supply (system)	Ignition switch	Voltage	The ignition switch is at the ON position.	B+	• Wiring harness (AK—ignition switch)
				The ignition switch is off.	1 V or less	—
AL	—	—	—	—	—	—
AM	—	—	—	—	—	—
AN	Steering angle sensor (signal A)	Steering angle sensor	Continuity	AN—steering angle sensor terminal B	Continuity detected	• Wiring harness (AN—steering angle sensor terminal B)
AO	—	—	—	—	—	—
AP	RF wheel-speed (signal)	RF ABS wheel-speed sensor	Continuity	AP—RF ABS wheel-speed sensor terminal A	Continuity detected	• Wiring harness (AP—RF ABS wheel-speed sensor terminal A)
AQ	—	—	—	—	—	—
AR	—	—	—	—	—	—
AS	RF wheel-speed (ground)	RF ABS wheel-speed sensor	Continuity	AS—RF ABS wheel-speed sensor terminal B	Continuity detected	• Wiring harness (AS—RF ABS wheel-speed sensor terminal B)
AT	Power supply (ABS motor operation)	Battery	Voltage	Under any condition	B+	• Wiring harness (AT—battery)
AU	Power supply (solenoid operation)	Battery	Voltage	Under any condition	B+	• Wiring harness (AU—battery)