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2015 Nissan Versa Note Service and Repair Manual

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Fail-safe

Refer to [Protection Function](#).

Sample

Protection Function

Refer to [Protection Function](#).

Sample

DTC Inspection Priority Chart

SIEMD-7198732

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	Detected items (DTC)	
	DTC	Items (CONSULT screen terms)
1	P07F2-88	Transmission Range Control Module Communication
2	U18A0-88	CAN Communication Error
3	U18A1-86	CAN Communication Error (BCM)
	U2118-87	CAN communication error (Intelligent Key)
	U2143-87	CAN communication error (VCM/HCM)
	U2148-86	CAN communication error (brake control unit)
	U2148-87	CAN communication error (brake control unit)
	U214F-87	CAN communication error (BCM)
	U215B-86	CAN communication error (IPDM E/R)
	U215B-87	CAN communication error (IPDM E/R)
4	P0604-00	Control Module RAM
5	P0605-00	Control Module ROM
	P0606-00	Control Module
	P0607-00	Control Module
	P189D-00	Power-supply Voltage
6	P072A-00	Stuck In Neutral
	P07E9-00	Transmission Range Control
	P07EA-00	Transmission Range Control
	P07EB-00	Transmission Range Control
	P272A-00	Motor Driver Circuit
7	P07EC-00	Transmission Range Multi-function Select
	P07ED-00	Transmission Range Multi-function Select
	P0850-00	Park/Neutral Switch
	P0851-00	Park/Neutral Switch
	P0852-00	Park/Neutral Switch
	P1893-00	ASIC
	P1897-00	Encoder
	P18A7-00	Shift Signal Off
8	P06F2-00	Control Module EEPROM
	P1890-29	Actuator Control Monitor
	P18A8-00	P Position Switch
	P18A9-00	Parking Actuator Function
	P272B-00	Motor Driver Circuit
9	P18B4-00	Park Status
10	P0681-00	Sensor Power Supply A
	P18AC-00	Parking Actuator Relay

Priority	Detected items (DTC)	
	DTC	Items (CONSULT screen terms)
	U18A2-82	CAN Communication Error (VCM)
	U18A2-83	CAN Communication Error (VCM)
	U18A2-86	CAN Communication Error (VCM)
	U18A2-87	CAN Communication Error (VCM)

Sample

1. INSPECTION OF MOTOR COIL (IN PARKING ACTUATOR)

1. Power switch OFF.
2. Disconnect the parking actuator harness connector.
3. Check the resistance between parking actuator connector terminals.

Parking actuator		Resistance
Terminal		
2	1	0°C (32°F): 1.06 – 1.29 Ω 40°C (104°F): 1.24 – 1.51 Ω
	6	
	7	

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace the reduction gear assembly due to the malfunction of motor coil (in parking actuator). Refer to [REDUCTION GEAR : Unit Removal & Installation](#).

1. OPERATION INSPECTION OF SELECTOR INDICATOR

1. Set the vehicle to READY.
2. Operate the selector lever.
3. Check that the selected shift position and the indication position of the selector indicator match.

Is the inspection result normal?

YES>>

[GO TO 2.](#)

NO>>

Refer to [Diagnosis Procedure](#).

2. INSPECTION OF THE SELECTOR INDICATOR ILLUMINATION

1. Turn the headlamp ON.
2. Check that the selector indicator illumination up.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Refer to [Wiring Diagram](#) of the illumination.

1. INSPECTION OF SELECTOR INDICATOR POWER SOURCE CIRCUIT

1. Power switch to OFF.
2. Disconnect the electric shift selector harness connector.
3. Power switch to ACC or ON.
4. Check the voltage between electric shift selector harness connector and ground.

+		-	Voltage
Electric shift selector			
Connector	Terminal	Ground	9 - 16 V
M200	9		

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

[GO TO 2.](#)

2. INSPECTION OF SELECTOR INDICATOR POWER SOURCE CIRCUIT

1. Power switch to OFF.
2. Disconnect fuse block (J/B) harness connector.
3. Check the continuity between electric shift selector harness connector and fuse block (J/B) harness connector.

Electric shift selector		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
M200	9	M74	95	Existed

4. Check the continuity between electric shift selector harness connector and ground.

Electric shift selector		-	Continuity
Connector	Terminal		
M200	9	Ground	Not existed

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Repair or replace the error-detected parts.

3. DETECT MALFUNCTIONING ITEM

Check the following items:

- 10A fuse (#52)
- Perform inspection of ON power supply circuit and accessory power supply circuit. Refer to [Wiring Diagram](#).

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Repair or replace the error-detected parts.

4. INSPECTION OF THE CIRCUIT BETWEEN ELECTRIC SHIFT CONTROL MODULE AND ELECTRIC SHIFT SELECTOR

1. Power switch to OFF.
2. Disconnect electric shift control module harness connector.
3. Check the continuity between electric shift control module harness connector and electric shift selector harness connector.

Electric shift control module		Electric shift selector		Continuity
Connector	Terminal	Connector	Terminal	
M202	22	M200	22	Existed
M203	26		23	
	30		21	
	38		20	

4. Check the continuity between electric shift control module harness connector and ground.

Electric shift control module		—	Continuity
Connector	Terminal		
M202	22	Ground	Not existed
M203	26		
	30		
	38		

Is the inspection result normal?

YES>>

[GO TO 5.](#)

NO>>

Repair or replace the error-detected parts.

5. CHECK GROUND CIRCUIT

Check continuity between electric shift selector harness connector and ground.

Electric shift selector		-	Continuity
Connector	Terminal		
M200	11	Ground	Existed

Is the inspection result normal?

YES>>

Replace the electric shift selector. Refer to [ELECTRIC SHIFT SELECTOR : Removal & Installation](#).

NO>>

Repair or replace the error-detected parts.

Sample