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## 2003 NISSAN Armada OEM Service and Repair Workshop Manual

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Item	Condition	Reference values in normal operation
Actuator voltage (right)	Power switch ON	10 - 16 V
Actuator voltage (left)	Power switch ON	10 - 16 V
Actuator current (right)	Active	Approx. 16.9 A
	Inactive	Approx. 0 A
Actuator current (left)	Active	Approx. 16.9 A
	Inactive	Approx. 0 A
Slope ratio	When on a level road	Approx. 0 %
	When on a sloping road	(-90) - (+90) %
Brake force (right)	Active	Approx. 0 N
	Inactive	9 - 25.0 kN
Brake force (left)	Active	Approx. 0 N
	Inactive	9 - 25.0 kN
Parking brake switch	Parking brake switch is not operated	N
	Parking brake switch is pulled	Pull
	Parking brake switch is pushed	Push
	Parking brake switch is malfunctioning	Malfunction
Malfunction level	Normal	Normal
	Malfunctioning (part replacement required)	Repair
	Malfunctioning (function stopped)	Stop
Brake status (left)	Apply (start)	Active 1
	Apply (during)	Active 2
	Apply (end)	Active 3
	Release (start)	Release 1
	Release (during)	Release 2
	Release (end)	Release 3
	When replacing brake pad	Release 4
	Unknown	Unknown
	Initialize	Initial
Brake status (right)	Apply (start)	Active 1
	Apply (during)	Active 2
	Apply (end)	Active 3
	Release (start)	Release 1
	Release (during)	Release 2
	Release (end)	Release 3
	When replacing brake pad	Release 4
	Unknown	Unknown
	Initialize	Initial
Brake disc rotor temperature 1	Always	Changes according to (current) temperature of disc rotor

Item	Condition	Reference values in normal operation
Parking brake active status display	Release	Release
	Apply (when the parking brake switch is pulled once)	Active 1
	Apply (when the parking brake switch is pulled twice ore more)	Active 2
	Not confirmed	Unconfirmed
Parking brake malfunction display	Normal	Normal
	Malfunction	Malfunction 1
	Displays but not used	Malfunction 2
Vehicle status	No warning	Not
	Vehicle is move backward	Warning
Electric parking brake warning 1	No warning	Off
	When the driver gets out of the vehicle without activating electric parking brake system.	Warning
Parking brake warning 1	No warning	No
	When the condition that the electric parking brake system is turned ON under the condition that it is unable to be activated.	Warning 1
	When the condition that the electric parking brake system is turned ON again under the condition that it is unable to be activated.	Warning 2
Parking brake warning 2	No warning	No
	When the parking brake switch is pressed without depressing the brake pedal. (Displays the "Press brake pedal" by information display in the combination meter)	Warning 1
	When the parking brake switch is pressed again without depressing the brake pedal. (Displays the "Press brake pedal" by information display in the combination meter)	Warning 2
Parking brake warning 3	No warning	No
	When the parking brake switch is continued to be pulled while the vehicle is travelling. (Displays the "Release parking brake" by information display in the combination meter, master warning lamp turns ON and buzzer is operate)	Warning
Parking brake warning 4	No warning	No
	When the electric parking brake system cannot be cancelled automatically after trying this opening the driver's door. (Displays the "Release parking brake" by information display in the combination meter)	Warning 1
	When the electric parking brake system cannot be cancelled automatically after trying this again opening the driver's door. (Displays the "Release parking brake" by information display in the combination meter)	Warning 2
Electric parking brake switch indicator <sup>*3</sup>	When the parking switch indicator lamp is OFF.	Off
	When the parking switch indicator lamp is ON.	On
	When the parking switch indicator lamp is blinking.	Blink

Item	Condition	Reference values in normal operation
Electric parking brake warning 2	When the electric parking brake system is normal.	Not
	When the malfunctioning of electric parking brake system is detected.	Warning 1
	When the critical malfunctioning of electric parking brake system is being detected.	Warning 2
	When the wrong operation of electric parking brake system is detected.	Warning 3
OFF switch	When the VDC function setting is OFF.	On
	When the VDC function setting is ON.	Off
Brake pedal	When the brake pedal depressed.	On
	When the brake pedal not depressed.	Off
	When the not judged.	No
Hazard lamp	When the hazard lamp is turn ON.	On
	When the hazard lamp is turn OFF.	Off
Stop lamp	When the stop lamp is turn ON.	On
	When the stop lamp is turn OFF.	Off
Vehicle status	When the sleep status.	1
	Displays but not used.	2
	When the operation suspended.	3
	When the auto ACC status.	4
	Displays but not used.	5
	When the power switch ON.	6
	When the traction motor wake up.	7
	When the vehicle to READY.	8
	When the automatic start.	9
	When the power switch OFF.	10
Steering wheel speed	When the driving straight.	Approx. 0 deg/s
	When the steering wheel is steered to RH.	Positive value
	When the steering wheel is steered to LH.	Negative value

\*1: Confirm tire pressure is standard value.

\*2: Display occasionally changes On/Off for a moment after power switch is ON. This is operation for checking purposes and is not a malfunction.

\*3: Refer to [Warning / Indicator / Chime List](#), for ON/OFF/BRINK conditions of each warning lamp and each indicator lamp.

Refer to [Fail-safe](#).

Sample

# DTC Inspection Priority Chart

SIEMD-7262842

When multiple DTCs are displayed simultaneously, check one by one depending on the following priority list.

Priority	Detected Item (DTC)
1	<ul style="list-style-type: none"> <li>• U0073-00 Control module comm Bus A Off</li> <li>• U0073-88 Control module comm Bus A Off</li> <li>• U0076-00 Control module comm Bus D Off</li> <li>• U0076-88 Control module comm Bus D Off</li> </ul>
2	<ul style="list-style-type: none"> <li>• C1082-86 CAN communication error (TCM)</li> <li>• C1086-86 CAN communication error (BCM)</li> <li>• U2112-87 CAN communication error brake unit</li> <li>• U2140-87 Controller area network communication error (Engine control module)</li> <li>• U2143-87 Controller area network communication error (Vehicle control module/Hybrid control module)</li> <li>• U214E-87 CAN communication error combination meter</li> <li>• U214F-87 CAN communication error (BCM)</li> <li>• U2152-87 CAN communication error advanced driver assistant systems control unit</li> <li>• U2154-87 CAN communication error multimedia interface unit</li> <li>• U2156-87 CAN communication error steering angel sensor</li> <li>• U215B-87 CAN communication error (IPDM E/R)</li> <li>• U2212-87 CAN communication error brake unit</li> <li>• U2240-87 Controller area network communication error (Engine control module)</li> <li>• U2241-87 Controller area network communication error (transmission control module)</li> <li>• U2243-87 Controller area network communication error (Vehicle control module/Hybrid control module)</li> <li>• U224E-87 CAN communication error combination meter</li> <li>• U2252-87 CAN communication error advanced driver assistant systems control unit</li> <li>• U225B-87 CAN communication error (IPDM E/R)</li> <li>• U2275-87 CAN communication error around view monitor control unit</li> <li>• U2276-87 CAN communication error (chassis control module/steering angle sensor)</li> </ul>
3	<ul style="list-style-type: none"> <li>• C1041-55 Configuration</li> <li>• C1058-01 Control unit</li> <li>• C1058-04 Control unit</li> <li>• C1058-42 Control unit</li> <li>• C1058-44 Control unit</li> <li>• C1058-49 Control unit</li> <li>• C1058-51 Control unit</li> </ul>

Priority	Detected Item (DTC)
	<ul style="list-style-type: none"> <li>• C1058-92 Control unit</li> <li>• C1059-92 Control unit</li> <li>• C105A-92 Control unit</li> <li>• C105C-92 Control unit</li> <li>• C105F-85 Control unit</li> <li>• C105F-92 Control unit</li> <li>• C1076-55 Not configured</li> <li>• C1078-55 Not configuration</li> <li>• C1079-55 Not configuration</li> <li>• C107A-55 Not configuration</li> <li>• C107B-53 Vehicle dynamics control function</li> <li>• C107C-53 Not configuration</li> <li>• C10B3-49 Parking brake control module</li> <li>• C10B3-53 Parking brake control module</li> <li>• C10B3-55 Parking brake control module</li> <li>• C10B3-68 Parking brake control module</li> <li>• C10B5-76 Parking brake assembly check</li> <li>• C10B6-68 Parking brake system</li> <li>• C10B8-77 Parking brake system</li> <li>• C10B9-77 Parking brake system</li> </ul>
4	<ul style="list-style-type: none"> <li>• C1040-63 Emergency brake</li> <li>• C1040-64 Emergency brake</li> <li>• C1040-92 Emergency brake</li> <li>• C105B-96 Control unit</li> <li>• C106B-64 Stop lamp switch</li> <li>• C106E-54 Steering angle sensor</li> <li>• C106E-55 Steering angle sensor</li> <li>• C106E-64 Steering angle sensor</li> <li>• C106F-54 Steering angle sensor</li> <li>• C1077-55 Downhill drive support switch</li> <li>• C1077-92 Downhill drive support switch</li> <li>• C1080-86 ECM</li> <li>• C1083-86 Steering angle sensor</li> <li>• C1085-86 Combination meter</li> </ul>

Priority	Detected Item (DTC)
	<ul style="list-style-type: none"> <li>• C1087-86 Intelligent power distribution module engine room</li> <li>• C1088-86 AV system</li> <li>• C1090-86 ADAS control unit</li> <li>• C1092-86 4WD/AWD control unit</li> <li>• C1094-86 VCM/ECM</li> <li>• C1095-86 Electrically-driven intelligent brake unit</li> <li>• C1096-86 Chassis control module</li> <li>• C1098-86 AVM</li> </ul>
5	<ul style="list-style-type: none"> <li>• C1048-04 Valve relay</li> <li>• C1048-11 Valve relay</li> <li>• C1048-92 Valve relay</li> <li>• C1051-04 Pump motor</li> <li>• C1051-13 Pump motor</li> <li>• C1051-1C Pump motor</li> <li>• C1056-13 Battery power supply</li> <li>• C1056-16 Battery power supply</li> <li>• C1056-17 Battery power supply</li> <li>• C10AA-63 Pump motor</li> <li>• C10B0-09 Parking brake actuator (right)</li> <li>• C10B1-09 Parking brake actuator (left)</li> <li>• C10B7-16 Parking brake power supply</li> <li>• C10B7-17 Parking brake power supply</li> </ul>
6	<ul style="list-style-type: none"> <li>• C1042-04 Cut valve 1</li> <li>• C1043-04 Cut valve 2</li> <li>• C1046-04 Suction valve 1</li> <li>• C1047-04 Suction valve 2</li> <li>• C1049-04 Front left ABS IN valve</li> <li>• C104A-04 Front left ABS OUT valve</li> <li>• C104B-04 Front right ABS IN valve</li> <li>• C104C-04 Front right ABS OUT valve</li> <li>• C104D-04 Rear left ABS IN valve</li> <li>• C104E-04 Rear left ABS OUT valve</li> <li>• C104F-04 Rear right ABS IN valve</li> <li>• C1050-04 Rear right ABS OUT valve</li> </ul>



Priority	Detected Item (DTC)
	<ul style="list-style-type: none"> <li>• C1055-49 CAN system</li> <li>• C105E-92 Pressure sensor not calibration</li> <li>• C105E-93 Pressure sensor not calibration</li> <li>• C106C-01 Pressure sensor</li> <li>• C106C-02 Pressure sensor</li> <li>• C106C-16 Pressure sensor</li> <li>• C106C-17 Pressure sensor</li> <li>• C106C-64 Pressure sensor</li> <li>• C1070-01 Side G sensor</li> <li>• C1070-54 Side G sensor</li> <li>• C1070-64 Side G sensor</li> <li>• C1071-54 Decel G sensor</li> <li>• C1071-61 Decel G sensor</li> <li>• C1071-64 Decel G sensor</li> <li>• C1072-01 Yaw rate sensor</li> <li>• C1072-64 Yaw rate sensor</li> <li>• C1072-83 Yaw rate sensor</li> <li>• C10AC-54 Calibration incomplete</li> <li>• C10AD-04 Brake backup function</li> <li>• C10AF-01 Pressure sensor</li> <li>• C10B4-98 Overheat</li> </ul>
7	<ul style="list-style-type: none"> <li>• C1061-02 Front left wheel sensor</li> <li>• C1061-07 Front left wheel sensor</li> <li>• C1061-09 Front left wheel sensor</li> <li>• C1061-11 Front left wheel sensor</li> <li>• C1061-12 Front left wheel sensor</li> <li>• C1061-13 Front left wheel sensor</li> <li>• C1061-1C Front left wheel sensor</li> <li>• C1061-38 Front left wheel sensor</li> <li>• C1061-4A Front left wheel sensor</li> <li>• C1061-64 Front left wheel sensor</li> <li>• C1061-92 Front left wheel sensor</li> <li>• C1063-02 Front right wheel sensor</li> <li>• C1063-07 Front right wheel sensor</li> </ul>

**Priority****Detected Item (DTC)**

- C1063-09 Front right wheel sensor
- C1063-11 Front right wheel sensor
- C1063-12 Front right wheel sensor
- C1063-13 Front right wheel sensor
- C1063-1C Front right wheel sensor
- C1063-38 Front right wheel sensor
- C1063-4A Front right wheel sensor
- C1063-64 Front right wheel sensor
- C1063-92 Front right wheel sensor
- C1065-02 Rear left wheel sensor
- C1065-07 Rear left wheel sensor
- C1065-09 Rear left wheel sensor
- C1065-11 Rear left wheel sensor
- C1065-12 Rear left wheel sensor
- C1065-13 Rear left wheel sensor
- C1065-1C Rear left wheel sensor
- C1065-38 Rear left wheel sensor
- C1065-4A Rear left wheel sensor
- C1065-64 Rear left wheel sensor
- C1065-92 Rear left wheel sensor
- C1067-02 Rear right wheel sensor
- C1067-07 Rear right wheel sensor
- C1067-09 Rear right wheel sensor
- C1067-11 Rear right wheel sensor
- C1067-12 Rear right wheel sensor
- C1067-13 Rear right wheel sensor
- C1067-1C Rear right wheel sensor
- C1067-38 Rear right wheel sensor
- C1067-4A Rear right wheel sensor
- C1067-64 Rear right wheel sensor
- C1067-92 Rear right wheel sensor
- C1068-95 Front wheel sensor
- C1069-95 Rear wheel sensor
- C106A-04 Wheel sensor
- C106A-55 Wheel sensor