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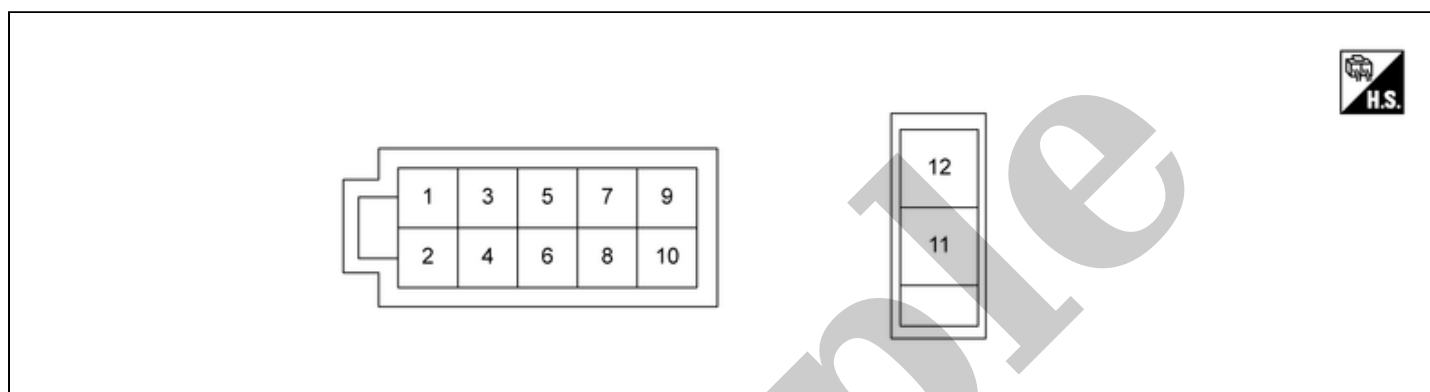
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2023 NISSAN Rogue Sport Service and Repair Manual

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Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/Output		
10 (G)		Ethernet(+)	—	—	—
12 (SHIELD)		Shield	—	—	—

TERMINAL LAYOUT (WITH ProPILOT ASSIST 2.0)



SIEMD-7109747-03-000269579

PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/Output		
1 (B)	Ground	Ground	Input	Power switch ON	0 V
3 (LG)	—	Vehicle CAN communication-L	—	—	—
4 (GR)	—	Vehicle CAN communication-H	—	—	—
6 (V)	Ground	Power switch ON power supply	—	Power switch ON	Battery voltage
9 (Y)	—	Ethernet(+)	—	—	—
10 (G)		Ethernet(-)	—	—	—
11 (R)	12 (B)	Heater power supply	Output	Heater ON	Battery voltage
12 (B)	Ground	Heater ground	—	Power switch ON	0 V

Fail-safe

Refer to [Fail-safe \(Front Camera Unit\)](#).

Sample

DTC Inspection Priority Chart

SIEMD-7109503

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

Priority	Detected items (DTC)
1	<ul style="list-style-type: none"> • C2502-55: Configuration data error • C2502-92: Configuration data error • C2503-54: Camera aiming incmp • C2503-78: Configuration data error • U0077-00 : Configuration data error • U0078-00 : Configuration data error
2	<ul style="list-style-type: none"> • C2500-49: Camera unit malf • C2501-4B: Front camera unit • C2504-71: Configuration data error • C2505-92: Configuration data error • C2506-49: Front camera unit • C2507-16: Power supply circuit • C2507-17: Power supply circuit • C2520-82: BCM • C2520-83: BCM • C2520-86: BCM • C2520-87: BCM • C2522-82: ABS • C2522-83: ABS • C2522-86: ABS • C2522-87: ABS • C2523-86: Combination meter • C2523-87: Combination meter • C2525-86: AV control unit • C2525-87: AV control unit • C2526-82: ADAS control unit • C2526-83: ADAS control unit • C2526-86: ADAS control unit • C2526-87: ADAS control unit • C2528-82: IPDM E/R • C2528-83: IPDM E/R

Priority	Detected items (DTC)
	<ul style="list-style-type: none"> • C2528-86: IPDM E/R • C2528-87: IPDM E/R • C2529-86: Air bag diagnosis sensor unit • C2529-87: Air bag diagnosis sensor unit • C252A-86 : Steering angle sensor • C252A-87 : Steering angle sensor • C2530-82 : VCM/HPCM • C2530-83 : VCM/HPCM • C2530-86 : VCM/HPCM • C2530-87 : VCM/HPCM • C2531-86: Configuration data error • C2531-87: Configuration data error • C2540-04: System backup function • C2544-82 : Around view control unit • C2544-83 : Around view control unit • C2544-86 : Around view control unit • C2544-87 : Around view control unit • C2545-82 : ADAS control unit • C2545-83 : ADAS control unit • C2545-86 : ADAS control unit • C2545-87 : ADAS control unit • C2570-4B: Configuration data error • C2571-78: Configuration data error • C2572-71: Configuration data error • C2572-97: Configuration data error • C2573-97: Configuration data error • C2575-92: Configuration data error • C2577-11: Heater • C2577-13: Heater • C2577-19: Heater • U2104-87: Configuration data error • U2140-87: CAN comm err (ECM) • U2141-87: CAN comm err (TCM) • U2143-87: CAN comm err (VCM/HCM)

Priority	Detected items (DTC)
	<ul style="list-style-type: none"><li data-bbox="363 62 895 91">• U2148-87: CAN comm err (brake control unit)<li data-bbox="363 123 911 152">• U214E-87: CAN comm err (combination meter)<li data-bbox="363 183 767 212">• U214F-87: CAN comm err (BCM)<li data-bbox="363 244 810 273">• U2150-87: CAN comm err (AIRBAG)<li data-bbox="363 304 911 333">• U2152-87: CAN comm err (ADAS control unit)<li data-bbox="363 365 826 394">• U2153-87: CAN comm err (HVAC) ch1<li data-bbox="363 425 759 454">• U2154-87: CAN comm err (MIU)<li data-bbox="363 486 778 515">• U2156-87: Configuration data error<li data-bbox="363 546 826 575">• U215B-87: CAN comm err (IPDM E/R)<li data-bbox="363 607 687 636">• U276B-88: Ethernet circuit<li data-bbox="363 667 730 696">• U2A07-88: CAN comm circuit

Sample

Self Diagnostic Result

DTC		Items (CONSULT screen terms)	Fail-safe													Referenc		
			Vehicle- to- vehicle distance control mode *1	Steering wheel assistance function *1	Conventional (fixed speed) cruise control mode *1	Vehicle speed & vehicle- to-vehicle control function*2	Lane keep function *2,3	Lane keep function *2,4	Lane change support function *2	Overtaking support function *2	Route driving support function *2	AEB	LDW	I- LI	I- BSI		TSR	
C2500	49	Camera unit malfunction	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2501	4B	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2502	55	Configuration data error	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	92		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2503	54	Camera aiming incomp	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	78	Configuration data error	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2504	71	Configuration data error	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2505	92	Configuration data error	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2506	49	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2507	16	Power supply circuit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	17		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2520	82	BCM	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2522	82	ABS	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2523	86	Combination meter	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2525	86	AV control unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2526	82	ADAS control unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2528	82	IPDM E/R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description

DTC	Items (CONSULT screen terms)	Fail-safe														Reference	
		Vehicle-to-vehicle distance control mode *1	Steering wheel assistance function *1	Conventional (fixed speed) cruise control mode *1	Vehicle speed & vehicle-to-vehicle control function *2	Lane keep function *2,3	Lane keep function *2,4	Lane change support function *2	Overtaking support function *2	Route driving support function *2	AEB	LDW	I-LI	I-BSI	TSR		
C2529	86	Air bag diagnosis sensor unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C252A	86	Steering angle sensor	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2530	82	VCM/HPCM	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2531	86	Configuration data error	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2540	04	System backup function	ProPILOT Assist 2.0 transitions to syste back-up mode.													DTC Description	
C2544	82	Around view control unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2545	82	ADAS control unit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
	86		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
	87		x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
C2570	4B	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
C2571	78	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
C2572	71	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
C2572	97	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
C2573	97	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
C2575	92	Front camera unit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
C2577	11	Heater	—	—	—	—	—	—	—	—	—	—	—	—	—	—	DTC Description
	13		—	—	—	—	—	—	—	—	—	—	—	—	—	—	DTC Description
	19		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
U0077	00	Control module comm Bus E Off	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
U0078	00	Control module comm Bus F Off	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	
U276B	88	Ethernet circuit	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description	

Self Diagnostic Result

U2A07	88	CAN comm circuit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Description
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*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: ProPILOT Assist 2.0 display is blue

×:Applicable

Network-DTC

DTC	Items (CONSULT screen terms)	Fail-safe														Referenc	
		Vehicle- to- vehicle distance control mode*1	Steering wheel assistance function *1	Conventional (fixed speed) cruise control mode*1	Vehicle speed & vehicle- to-vehicle control function*2	Lane keep function*2,3	Lane keep function*2,4	Lane change support function*2	Overtaking support function*2	Route driving support function*2	AEB	LDW	I- LI	I- BSI	TSR		
U2104	87	CAN comm err (active steering)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2140	87	CAN comm err (ECM)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2141	87	CAN comm err (TCM)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2143	87	CAN comm err (VCM/HCM)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2148	87	CAN comm err (brake control unit)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U214E	87	CAN comm err (combination meter)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U214F	87	CAN comm err (BCM)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2150	87	CAN comm err (AIRBAG)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2152	87	CAN comm err (ADAS control unit)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2153	87	CAN comm err (HVAC ch1)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2154	87	CAN comm err (MIU)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U2156	87	CAN comm err (steering angle sensor)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio
U215B	87	CAN comm err (IPDM E/R)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	DTC Descriptio

*1: With ProPILOT Assist, Without ProPILOT Assist 2.0

*2: With ProPILOT Assist 2.0

*3: ProPILOT Assist 2.0 display is green

*4: ProPILOT Assist 2.0 display is blue

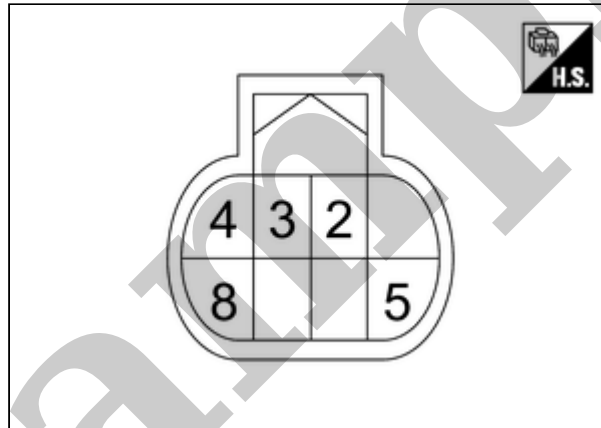
VALUES ON THE DIAGNOSIS TOOL


NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor item	Condition		Value/Status
BSW select	Power switch ON	When the BSW is ON	On
		When the BSW is OFF	Off
RCTA select	Power switch ON	When the RCTA is ON	On
		When the RCTA is OFF	Off
Horizontal alignment value	Power switch ON		(-5 deg) – (+5 deg)

TERMINAL LAYOUT



SIEMD-7109392-01-000361283

PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/Output		
2 (BR)	5 (B)	ITS CAN communication-H	—	—	—
3 (LG)		ITS CAN communication-L	—	—	—
4 (P)		BSW indicator signal	Output	Approx. 2 sec. after power switch OFF ⇒ ON (bulb check)	12 V
5 (B)	Ground	Ground	—	Power switch ON	0 V
8 (G)	5 (B)	Power switch ON power supply	Input	Power switch ON	Battery voltage