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Manual Nissan Sentra 2023 Complete Service & Repair

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Priority	Detected items (DTC)
	<ul style="list-style-type: none"><li data-bbox="352 56 927 91">• U2156-87: CAN comm err (steering angle sensor)<li data-bbox="352 118 823 154">• U215B-87: CAN comm err (IPDM E/R)

Sample

SELF DIAGNOSTIC RESULT

DTC	Items (CONSULT screen terms)	Fail-safe						Reference	
		Vehicle speed & vehicle-to- vehicle control function	Lane keep function *1	Lane keep function *2	Lane change support function	Overtaking support function	Route driving support function		
C1E40	44	Control unit	×	×	×	×	×	×	DTC Description
	45		×	×	×	×	×	×	DTC Description
	46		×	×	×	×	×	×	DTC Description
	47		×	×	×	×	×	×	DTC Description
	48		×	×	×	×	×	×	DTC Description
	49		×	×	×	×	×	×	DTC Description
	4B		×	×	×	×	×	×	DTC Description
C1E41	12	Incorrect installation location	×	×	×	×	×	×	DTC Description
C1E50	54	Side radar alignment	×	×	×	×	×	×	DTC Description
	78		×	×	×	×	×	×	DTC Description
C1E51	97	Side radar stain	×	×	×	×	×	×	DTC Description
C1E52	16	Side radar malfunction	×	×	×	×	×	×	DTC Description
	17		×	×	×	×	×	×	DTC Description
C1E53	55	Configuration unfinished	×	×	×	×	×	×	DTC Description
C1E54	97	Radar electromagnetic interference	×	×	×	×	×	×	DTC Description
U1B3E	87	CAN comm err	×	×	×	×	×	×	DTC Description
U2148	81	CAN comm err (brake control unit)	×	×	×	×	×	×	DTC Description
	82		×	×	×	×	×	×	DTC Description
	83		×	×	×	×	×	×	DTC Description
	86		×	×	×	×	×	×	DTC Description

DTC	Items (CONSULT screen terms)	Fail-safe						Reference	
		Vehicle speed & vehicle-to-vehicle control function	Lane keep function *1	Lane keep function *2	Lane change support function	Overtaking support function	Route driving support function		
U214F	81	CAN comm err (BCM)	×	×	×	×	×	×	DTC Description
	82		×	×	×	×	×	×	DTC Description
	83		×	×	×	×	×	×	DTC Description
	86		×	×	×	×	×	×	DTC Description
U2156	81	CAN comm err (steering angle sensor)	×	×	×	×	×	×	DTC Description
U215B	81	CAN comm err (IPDM E/R)	×	×	×	×	×	×	DTC Description
	82		×	×	×	×	×	×	DTC Description
	83		×	×	×	×	×	×	DTC Description
	86		×	×	×	×	×	×	DTC Description
U2A09	88	Comm Bus Off ITS5-FD	×	×	×	×	×	×	DTC Description

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

×: Applicable

Network-DTC

DTC	Items (CONSULT screen terms)	Fail-safe						Reference	
		Vehicle speed & vehicle-to-vehicle control function	Lane keep function *1	Lane keep function *2	Lane change support function	Overtaking support function	Route driving support function		
U2148	87	CAN comm err (brake control unit)	×	×	×	×	×	×	DTC Description
U214F	87	CAN comm err (BCM)	×	×	×	×	×	×	DTC Description
U2156	87	CAN comm err (steering angle sensor)	×	×	×	×	×	×	DTC Description
U215B	87	CAN comm err (IPDM E/R)	×	×	×	×	×	×	DTC Description

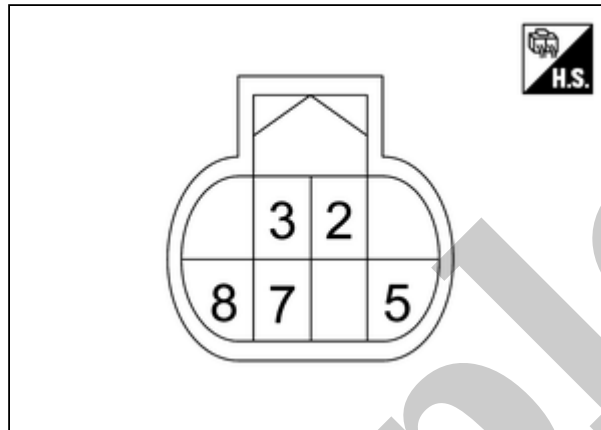
*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

VALUES ON THE DIAGNOSIS TOOL

Monitor item	Condition	Value/Status
Horizontal alignment value	When the power switch ON and the side radar adjustment is completed	Displays the horizontal alignment value

TERMINAL LAYOUT



SIEMD-7255977-01-000361280

PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/Output		
2 (BR)	—	CAN communication-H	—	—	—
3 (V)		CAN communication-L	—	—	—
5 (B)	Ground	Ground	—	Power switch ON	0 V
7 (B)		Switching signal	—	Power switch ON	0 V
8 (L)		Power switch ON power supply	Input	Power switch ON	Battery voltage

Fail-safe

Refer to [Fail-safe \(ADAS Control Unit 2\)](#).

Sample

DTC Inspection Priority Chart

SIEMD-7255979

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"> • C1ED0-54: Side radar alignment • C1ED0-78: Side radar alignment • C1ED3-55: Configuration unfinished • U2A09-88: Comm Bus Off ITS5-FD
2	<ul style="list-style-type: none"> • C1EC0-44: Control unit • C1EC0-45: Control unit • C1EC0-46: Control unit • C1EC0-47: Control unit • C1EC0-48: Control unit • C1EC0-49: Control unit • C1EC0-4B: Control unit • C1EC1-12: Incorrect installation location • C1ED1-97: Side radar stain • C1ED2-16: Side radar malfunction • C1ED2-17: Side radar malfunction • C1ED4-97: Radar electromagnetic interference • U1B5E-87: Comm Bus Off ITS5-FD • U2148-81: CAN comm err (brake control unit) • U2148-82: CAN comm err (brake control unit) • U2148-83: CAN comm err (brake control unit) • U2148-86: CAN comm err (brake control unit) • U214F-81: CAN comm err (BCM) • U214F-82: CAN comm err (BCM) • U214F-83: CAN comm err (BCM) • U214F-86: CAN comm err (BCM) • U2156-81: CAN comm err (steering angle sensor) • U215B-81: CAN comm err (IPDM E/R) • U215B-82: CAN comm err (IPDM E/R) • U215B-83: CAN comm err (IPDM E/R) • U215B-86: CAN comm err (IPDM E/R) • U2148-87: CAN comm err (brake control unit)

Priority	Detected items (DTC)
	<ul style="list-style-type: none"><li data-bbox="352 62 783 91">• U214F-87: CAN comm err (BCM)<li data-bbox="352 125 927 154">• U2156-87: CAN comm err (steering angle sensor)<li data-bbox="352 188 842 217">• U215B-87: CAN comm err (IPDM E/R)

Sample

SELF DIAGNOSTIC RESULT

DTC	Items (CONSULT screen terms)	Fail-safe						Reference	
		Vehicle speed & vehicle-to- vehicle control function	Lane keep function *1	Lane keep function *2	Lane change support function	Overtaking support function	Route driving support function		
C1EC0	44	Control unit	×	×	×	×	×	×	Refer to DTC Description.
	45		×	×	×	×	×	×	Refer to DTC Description.
	46		×	×	×	×	×	×	Refer to DTC Description.
	47		×	×	×	×	×	×	Refer to DTC Description.
	48		×	×	×	×	×	×	Refer to DTC Description.
	49		×	×	×	×	×	×	Refer to DTC Description.
	4B		×	×	×	×	×	×	Refer to DTC Description.
C1EC1	12	Incorrect installation location	×	×	×	×	×	×	Refer to DTC Description.
C1ED0	54	Side radar alignment	×	×	×	×	×	×	Refer to DTC Description.
	78		×	×	×	×	×	×	Refer to DTC Description.
C1ED1	97	Side radar stain	×	×	×	×	×	×	Refer to DTC Description.
C1ED2	16	Side radar malfunction	×	×	×	×	×	×	Refer to DTC Description.
	17		×	×	×	×	×	×	Refer to DTC Description.
C1ED3	55	Configuration unfinished	×	×	×	×	×	×	Refer to DTC Description.
C1ED4	97	Radar electromagnetic interference	×	×	×	×	×	×	Refer to DTC Description.

DTC		Items (CONSULT screen terms)	Fail-safe					Reference	
			Vehicle speed & vehicle-to- vehicle control function	Lane keep function *1	Lane keep function *2	Lane change support function	Overtaking support function		Route driving support function
U1B5E	87	CAN comm err	×	×	×	×	×	×	Refer to DTC Description.
U2148	81	CAN comm err (brake control unit)	×	×	×	×	×	×	Refer to DTC Description.
	82		×	×	×	×	×	×	Refer to DTC Description.
	83		×	×	×	×	×	×	Refer to DTC Description.
	86		×	×	×	×	×	×	Refer to DTC Description.
U214F	81	CAN comm err (BCM)	×	×	×	×	×	×	Refer to DTC Description.
	82		×	×	×	×	×	×	Refer to DTC Description.
	83		×	×	×	×	×	×	Refer to DTC Description.
	86		×	×	×	×	×	×	Refer to DTC Description.
U2156	81	CAN comm err (steering angle sensor)	×	×	×	×	×	×	Refer to DTC Description.
U215B	81	CAN comm err (IPDM E/R)	×	×	×	×	×	×	Refer to DTC Description.
	82		×	×	×	×	×	×	Refer to DTC Description.
	83		×	×	×	×	×	×	Refer to DTC Description.
	86		×	×	×	×	×	×	Refer to DTC Description.
U2A09	88	Comm Bus Off ITS5-FD	×	×	×	×	×	×	Refer to DTC Description.

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

×: Applicable