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2023 NISSAN Sentra SE-R Service and Repair Manual

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DTC Inspection Priority Chart

SIEMD-7109588

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">• C1E90-54: Radar off-center• C1E90-78: Radar off-center• C1E93-55: Configuration unfinished• U2A08-88: CAN comm err (ITS3/5-CAN Bus Off)
2	<ul style="list-style-type: none">• C1E80-44: Control unit• C1E80-45: Control unit• C1E80-46: Control unit• C1E80-47: Control unit• C1E80-48: Control unit• C1E80-49: Control unit• C1E80-4B: Control unit• C1E81-12: Incorrect installation location• C1E82-62: RCTA ON/OFF Incorrect• C1E83-62: BSW ON/OFF Incorrect• C1E91-97: RADAR BLOCKED• C1E92-16: Power supply circuit• C1E92-17: Power supply circuit• C1E94-97: RADAR ELECTROMAGNETIC INTERFERENCE• U1B46-11: BSW indicator• U1B46-15: BSW indicator• U1B4E-87: CAN comm err• 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)• U2148-87: CAN comm err (brake control unit)• U214E-81: CAN comm err (combination meter)• U214E-87: CAN comm err (combination meter)• U214F-81: CAN comm err (BCM)• U214F-82: CAN comm err (BCM)• U214F-83: CAN comm err (BCM)• U214F-86: CAN comm err (BCM)

Priority	Detected items (DTC)
	<ul style="list-style-type: none">• U214F-87: CAN comm err (BCM)• U2152-81: CAN comm err (ADAS control unit)• U2152-87: CAN comm err (ADAS control unit)• U2154-81: CAN comm err (MIU)• U2154-87: CAN comm err (MIU)• U2156-81: CAN comm err (steering angle sensor)• U2156-87: 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)• U215B-87: CAN comm err (IPDM E/R)• U216C-81: CAN comm err (side radar)• U216C-82: CAN comm err (side radar)• U216C-83: CAN comm err (side radar)• U216C-87: CAN comm err (side radar)

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	BSW	I-BSI	RCTA		
C1E80	44	Control unit	×	×	×	×	×	×	×	×	×	DTC Description
	45		×	×	×	×	×	×	×	×	×	DTC Description
	46		×	×	×	×	×	×	×	×	×	DTC Description
	47		×	×	×	×	×	×	×	×	×	DTC Description
	48		×	×	×	×	×	×	×	×	×	DTC Description
	49		×	×	×	×	×	×	×	×	×	DTC Description
	4B		×	×	×	×	×	×	×	×	×	DTC Description
C1E81	12	Incorrect installation location	×	×	×	×	×	×	×	×	×	DTC Description
C1E82	62	RCTA ON/OFF Incorrect	×	×	×	×	×	×	×	×	×	DTC Description
C1E82	62	RCTA ON/OFF Incorrect	×	×	×	×	×	×	×	×	×	DTC Description
C1E83	62	BSW ON/OFF Incorrect	×	×	×	×	×	×	×	×	×	DTC Description
C1E90	54	CAN comm err (MIU)	×	×	×	×	×	×	×	×	×	DTC Description
	78		×	×	×	×	×	×	×	×	×	DTC Description
C1E91	97	RADAR BLOCKED	×	×	×	×	×	×	×	×	×	DTC Description
C1E92	16	Power supply circuit	×	×	×	×	×	×	×	×	×	DTC Description
	17		×	×	×	×	×	×	×	×	×	DTC Description
C1E93	55	Configuration unfinished	×	×	×	×	×	×	×	×	×	DTC Description
C1E94	97	RADAR ELECTROMAGNETIC INTERFERENCE	×	×	×	×	×	×	×	×	×	DTC Description
U1B46	11	BSW indicator	×	×	×	×	×	×	×	×	×	DTC Description
	15		×	×	×	×	×	×	×	×	×	DTC Description
U1B4E	87	CAN comm err	×	×	×	×	×	×	×	×	×	DTC Description
U2148	81	CAN comm err (brake control unit)	×	×	×	×	×	×	×	×	×	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	BSW	I-BSI	RCTA		
	82		×	×	×	×	×	×	×	×	×	DTC Description	
	83		×	×	×	×	×	×	×	×	×	DTC Description	
	86		×	×	×	×	×	×	×	×	×	DTC Description	
U214E	81	CAN comm err(combination meter)	×	×	×	×	×	×	×	×	×	DTC Description	
U214F	81	CAN comm err (BCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
	82		×	×	×	×	×	×	×	×	×	DTC Description	
	83		×	×	×	×	×	×	×	×	×	DTC Description	
	86		×	×	×	×	×	×	×	×	×	DTC Description	
U2152	81	CAN comm err (ADAS control unit)	×	×	×	×	×	×	×	×	×	DTC Description	
U2154	81	CAN comm err (MIU)	×	×	×	×	×	×	×	×	×	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	
U216C	81	CAN comm err (side radar)	×	×	×	×	×	×	×	×	×	DTC Description	
	82		×	×	×	×	×	×	×	×	×	DTC Description	
	83		×	×	×	×	×	×	×	×	×	DTC Description	
U2A08	88	CAN comm err (ITS3/5-CAN Bus Off)	×	×	×	×	×	×	×	×	×	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	BSW	I- BSI	RCTA		
U2148	87	CAN comm err (brake control unit)	×	×	×	×	×	×	×	×	×	DTC Description
U214E	87	CAN comm err (combination meter)	×	×	×	×	×	×	×	×	×	DTC Description
U214F	87	CAN comm err (BCM)	×	×	×	×	×	×	×	×	×	DTC Description
U2152	87	CAN comm err (ADAS control unit)	×	×	×	×	×	×	×	×	×	DTC Description
U2154	87	CAN comm err (MIU)	×	×	×	×	×	×	×	×	×	DTC Description
U2156	87	CAN comm err (steering angle sensor)	×	×	×	×	×	×	×	×	×	DTC Description
U215B	87	CAN comm err (IPDM E/R)	×	×	×	×	×	×	×	×	×	DTC Description
U216C	87	CAN comm err (side radar)	×	×	×	×	×	×	×	×	×	DTC Description

*1: ProPILOT Assist 2.0 display is green

*2: ProPILOT Assist 2.0 display is blue

List of ECU Reference

SIEMD-7109808

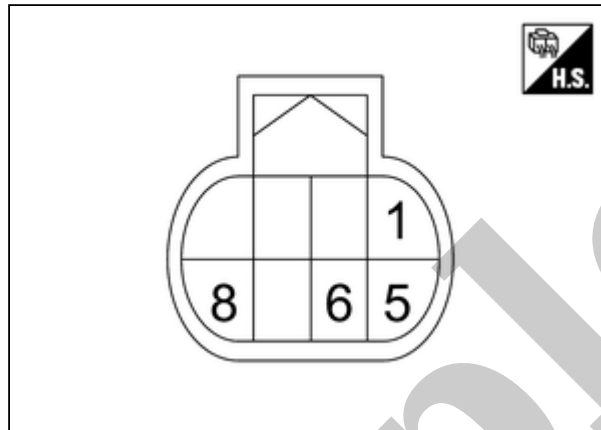
ECU	Reference
ADAS control unit 2	Reference Value
	Fail-safe (ADAS Control Unit 2)
	DTC Inspection Priority Chart
	DTC Index

Sample

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-7255973-01-000361281

PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/Output		
1 (BR)	—	CAN communication-H	—	—	—
5 (B)	Ground	Ground	—	Power switch ON	0 V
6 (V)	—	CAN communication-L	—	—	—
8 (Y)	5 (B)	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-7255975

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"> • C1E50-54: Side radar alignment • C1E50-78: Side radar alignment • C1E53-55: Configuration unfinished • U2A09-88: Comm Bus Off ITS5-FD
2	<ul style="list-style-type: none"> • C1E40-44: Control unit • C1E40-45: Control unit • C1E40-46: Control unit • C1E40-47: Control unit • C1E40-48: Control unit • C1E40-49: Control unit • C1E40-4B: Control unit • C1E41-12: Incorrect installation location • C1E51-97: Side radar stain • C1E52-16: Side radar malfunction • C1E52-17: Side radar malfunction • C1E54-97: Radar electromagnetic interference • U1B3E-87: CAN comm err • 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) • U214F-87: CAN comm err (BCM)