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2021 NISSAN 370z Nismo Service and Repair Manual

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Self Diagnostic Result

DTC	Items (CONSULT screen terms)	Fail-safe										Reference	
		Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA		
C1F00	CONTROL UNIT	1C	×	×	×	×	×	×	×	×	×	×	DTC Description
		44	×	×	×	×	×	×	×	×	×	×	DTC Description
		45	×	×	×	×	×	×	×	×	×	×	DTC Description
		46	×	×	×	×	×	×	×	×	×	×	DTC Description
		49	×	×	×	×	×	×	×	×	×	×	DTC Description
		4B	×	×	×	×	×	×	×	×	×	×	DTC Description
		54	—	—	×	—	—	—	—	—	—	—	DTC Description
		62	×	×	×	×	×	×	×	×	×	×	DTC Description
		71	×	×	×	×	×	×	×	×	×	×	DTC Description
		87	×	×	×	×	×	×	×	×	×	×	DTC Description
C1F02	POWER SUPPLY CIR	16	×	×	×	×	×	×	×	×	×	DTC Description	
		17	×	×	×	×	×	×	×	×	×	DTC Description	
C1F03	OPERATION SW CIRC	23	×	×	×	—	—	—	—	—	—	DTC Description	
		62	×	×	×	—	—	—	×	×	—	DTC Description	
		72	×	×	×	×	×	×	—	—	—	DTC Description	
		73	×	×	×	×	×	×	×	×	×	DTC Description	
C1F04	FEB OPE COUNT LIMIT	48	—	—	—	×	×	×	—	—	—	DTC Description	
		61	×	×	×	×	×	×	×	×	×	DTC Description	
C1F05	Front camera unit	49	×	×	×	×	×	×	×	×	×	DTC Description	
		4B	×	×	×	×	×	×	×	×	×	DTC Description	
		54	×	×	×	×	×	×	×	×	×	DTC Description	

DTC		Items (CONSULT screen terms)	Fail-safe										Reference
			Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
	82		x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	DTC Description
C1F36	55	CONFIG UNFINISHED	x	x	x	x	x	x	x	x	x	x	DTC Description
C1F41	84	TRANSMISSION CIRCUIT	x	x	x	x	x	x	x	x	x	—	DTC Description
C1F43	04	Around view control unit	x	x	x	x	x	x	—	—	x	—	DTC Description
	82		x	x	x	x	x	—	—	x	—	DTC Description	
	83		x	x	x	x	x	x	—	—	x	—	DTC Description
C1F44	82	BCM	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	DTC Description
C1F45	82	CCM	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	DTC Description
C1F46	04	VCM/HPCM	x	x	x	x	x	x	x	x	x	x	DTC Description
	24		x	x	x	x	x	x	x	x	x	x	DTC Description
	62		x	x	x	x	x	x	x	x	x	x	DTC Description
	82		x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	DTC Description
C1F47	82	Combination meter	x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	DTC Description
C1F48	04	ABS/TCS/VDC CIRC	x	x	x	x	x	x	x	x	x	—	DTC Description
	16		x	x	x	x	x	x	—	—	x	—	DTC Description
	82		x	x	x	x	x	x	x	x	x	—	DTC Description
	83		x	x	x	x	x	x	x	x	x	—	DTC Description
	86		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	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA		
C1F51	82	IPDM E/R	×	×	×	×	×	×	×	×	×	×	DTC Description	
	83		×	×	×	×	×	×	×	×	×	×	DTC Description	
C1F55	82	Electric parking brake circuit	×	×	×	×	×	×	×	×	×	×	DTC Description	
	83		×	×	×	×	×	×	×	×	×	×	DTC Description	
C1F59	04	EPS control unit	×	×	×	×	×	×	×	×	×	×	DTC Description	
	82		×	—	×	—	—	—	—	—	—	—	DTC Description	
	83		×	—	×	—	—	—	—	—	—	—	DTC Description	
C1F5F	04	Distance sensor	×	×	×	×	×	×	×	×	×	×	DTC Description	
	08		×	×	×	×	×	×	×	×	×	×	DTC Description	
	16		×	×	×	×	×	×	×	×	×	×	DTC Description	
	4B		×	×	×	×	×	×	×	×	×	×	DTC Description	
	78		×	×	×	×	×	×	×	—	—	×	—	DTC Description
	82		×	×	×	×	×	×	×	—	—	×	—	DTC Description
	83		×	×	×	×	×	×	×	—	—	×	—	DTC Description
C1F64	82	Head Up Display unit	×	×	×	×	×	×	×	×	×	×	DTC Description	
	83		×	×	×	×	×	×	×	×	×	×	DTC Description	
C1F65	04	Sonar control unit	—	—	—	×	×	×	—	—	×	—	DTC Description	
	82		—	—	—	×	×	×	—	—	×	—	DTC Description	
	83		—	—	—	×	×	×	—	—	×	—	DTC Description	
C1F76	49	Steering angle sensor	×	×	×	×	×	×	×	×	×	×	DTC Description	
	82		×	×	×	—	—	—	×	×	—	—	DTC Description	
	83		×	×	×	—	—	—	×	×	—	—	DTC Description	
C1F80	11	Steering wheel touch sensor	×	×	×	×	×	×	×	×	×	DTC Description		

DTC		Items (CONSULT screen terms)	Fail-safe										Reference
			Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
	12		x	x	x	x	x	x	x	x	x	x	DTC Description
	49		x	x	x	x	x	x	x	x	x	x	DTC Description
	55		x	x	x	x	x	x	x	x	x	x	DTC Description
	82		x	x	x	x	x	x	x	x	x	x	DTC Description
	83		x	x	x	x	x	x	x	x	x	x	DTC Description
	86		x	x	x	x	x	x	x	x	x	x	DTC Description
	88		x	x	x	x	x	x	x	x	x	x	DTC Description
C1F89	04	Side radar rear LH	—	—	—	—	—	—	—	x	—	—	DTC Description
	82		—	—	—	—	—	—	x	—	—	DTC Description	
	83		—	—	—	—	—	—	x	—	—	DTC Description	
C1F8A	04	Side radar rear RH	—	—	—	—	—	—	—	x	—	—	DTC Description
	82		—	—	—	—	—	—	x	—	—	DTC Description	
	83		—	—	—	—	—	—	x	—	—	DTC Description	
U1327	52	MAC key update	x	x	x	x	x	x	x	x	x	x	DTC Description
	54		x	x	x	x	x	x	x	x	x	x	DTC Description
U19B0	87	LIN comm err (Touch sensor)	x	x	x	x	x	x	x	x	x	x	DTC Description
U2440	87	CAN comm err (ECM)	x	x	x	x	x	x	x	x	x	x	DTC Description
U2441	87	CAN comm err (TCM)	x	x	x	x	x	x	x	x	x	x	DTC Description
U2752	87	Ethernet circuit	x	x	x	x	x	x	x	x	x	x	DTC Description
U2752	88	Ethernet circuit	x	x	x	x	x	x	x	x	x	x	DTC Description
U2852	87	Ethernet circuit	x	x	x	x	x	x	x	x	x	x	DTC Description
U2852	88	Ethernet circuit	x	x	x	x	x	x	x	x	x	x	DTC Description
U2A04	88	Comm Bus Off ITS1-FD	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	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
U2A05	88	Comm Bus Off ITS4-FD	×	×	×	×	×	×	×	×	×	×	DTC Description
U2A07	88	CAN comm err	×	×	×	×	×	×	×	×	×	×	DTC Description
U2A08	88	Comm Bus Off ITS3-FD	×	×	×	×	×	×	×	×	×	×	DTC Description
U2A09	88	Comm Bus Off ITS5-FD	×	×	×	×	×	×	×	×	×	×	DTC Description

×: Applicable

Network-DTC

DTC		Items (CONSULT screen terms)	Fail-safe										Reference
			Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
U210C	87	CAN comm err (active pedal)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2112	87	CAN comm err (brake unit)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2118	87	CAN comm err (Intelligent Key)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2140	87	CAN comm err (ECM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2143	87	CAN comm err (VCM/HCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2148	87	CAN comm err (brake control unit)	×	×	×	×	×	×	×	×	×	×	DTC Description
U214A	87	CAN comm err (AWD/4WD)	×	×	×	×	×	×	×	×	×	×	DTC Description
U214E	87	CAN comm err (combination meter)	×	×	×	×	×	×	×	×	×	×	DTC Description
U214F	87	CAN comm err (BCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2150	87	CAN comm err (AIRBAG)	—	—	—	—	—	—	—	—	—	—	DTC Description
U2154	87	CAN comm err (MIU)	—	—	—	—	—	—	—	—	—	—	DTC Description

DTC		Items (CONSULT screen terms)	Fail-safe										Reference
			Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
U2155	87	CAN comm err (parking brake)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2159	87	CAN comm err (steering control unit)	×	×	—	—	—	—	—	—	—	—	DTC Description
U2175	87	CAN comm err (AVM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2176	87	CAN comm err (CCM/ST angle sensor)	×	×	×	—	—	—	×	×	—	—	DTC Description
U226B	87	CAN comm err (front camera)	—	—	×	×	×	×	×	×	×	—	DTC Description
U236C	87	CAN comm err (side radar)	—	—	—	—	—	—	—	×	—	—	DTC Description
U236E	87	CAN comm err (side radar)	—	—	—	—	—	—	—	×	—	—	DTC Description
U2443	87	CAN comm err (VCM/HCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2448	87	CAN comm err (ABS control unit)	×	×	×	×	×	×	×	×	×	×	DTC Description
U244E	87	CAN comm err (combination meter)	×	×	×	×	×	×	×	×	×	×	DTC Description
U244F	87	CAN comm err (BCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2454	87	CAN comm err (MIU)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2456	87	CAN comm err (ST angle sensor)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2459	87	CAN comm err (EPS control unit)	×	×	×	×	×	×	×	×	×	×	DTC Description
U245B	87	CAN comm err (IPDM E/R)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2465	87	CAN comm err (sonar control unit)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2475	87	CAN comm err (AVM)	×	×	×	×	×	×	×	×	×	×	DTC Description

DTC		Items (CONSULT screen terms)	Fail-safe										Reference
			Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
U2476	87	CAN comm err (CCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2589	87	CAN comm err (side radar)	×	×	×	×	×	×	×	×	×	×	DTC Description
U258A	87	CAN comm err (side radar)	×	×	×	×	×	×	×	×	×	×	DTC Description

×: Applicable

MAC Diagnosis

DTC		Items (CONSULT screen terms)	Fail-safe										Reference
			Vehicle- to- vehicle distance control mode	Conventional (fixed speed) cruise control mode	Steering wheel assistance function	AEB	RAB	I- FCW	I- LI	I- BSI	TSR	I- DA	
U2143	57	CAN comm err (VCM/HCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U214F	57	CAN comm err (BCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2175	57	CAN comm err (AVM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2176	57	CAN comm err (CCM/ST angle sensor)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2443	57	CAN comm err (VCM/HCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U244F	57	CAN comm err (BCM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2465	57	CAN comm err (sonar control unit)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2475	57	CAN comm err (AVM)	×	×	×	×	×	×	×	×	×	×	DTC Description
U2476	57	CAN comm err (CCM)	×	×	×	×	×	×	×	×	×	×	DTC Description



NOTE:

With the detection of Network-DTC some systems do not perform the fail-safe operation.

A system controlling based on a signal received from the control unit performs fail-safe operation when the communication with the ADAS control unit 2 becomes inoperable.

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

RDE-001899111

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collisions.

Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" sections of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

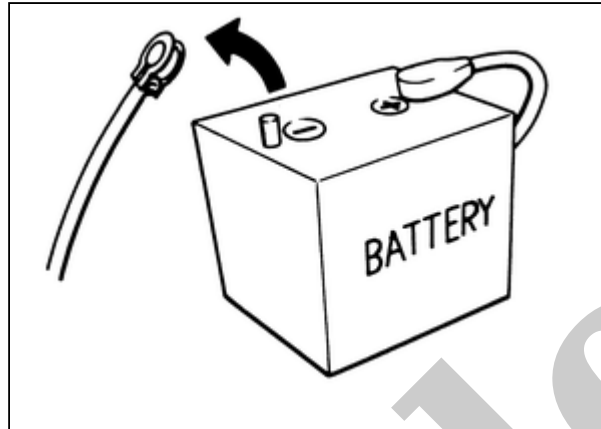
Always observe the following items for preventing accidental activation:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition/power switch ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always place the ignition/power switch in the OFF position, disconnect the 12V battery or batteries, and wait at least 3 minutes before performing any service.

Precautions for Removing Battery Terminal

RDE-001899117

- With the adoption of Auto ACC function, ACC power is automatically supplied by operating the Intelligent Key or remote keyless entry or by opening/closing the driver side door. In addition, ACC power is supplied even after the ignition switch is turned to the OFF position, i.e. ACC power is supplied for a certain fixed time.
- When disconnecting the 12V battery terminal, turn off the ACC power before disconnecting the 12V battery terminal, observing "How to disconnect 12V battery terminal" described below.



RDE-001554996-01-EF289H



NOTE:

Some ECUs operate for a certain fixed time even after ignition switch is turned OFF and ignition power supply is stopped. If the battery terminal is disconnected before ECU stops, accidental DTC detection or ECU data damage may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.



NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.



NOTE:

The removal of 12V battery may cause a DTC detection error.

HOW TO DISCONNECT 12V BATTERY TERMINAL

Disconnect 12V battery terminal according to instruction described below.

1. Open the hood.
2. Turn ignition switch to the ON position.
3. Turn ignition switch to the OFF position with the driver side door opened.
4. Get out of the vehicle and close the driver side door.
5. Wait at least 3 minutes.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the Auto ACC function.