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2021 NISSAN 370Z Coupe Service and Repair Manual

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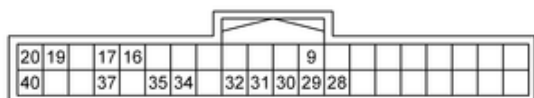| Monitor item	Condition		Value/Status
VHCL SPEED SE	While driving		Almost the same speed as speedometer indication
D RANGE SW	Set the vehicle to READY	When the selector lever is in "D" position or manual mode	ON
		When the selector lever is in any position other than "D" or manual mode	OFF
NP RANGE SW	Set the vehicle to READY	When the selector lever is in "N", "P" position	ON
		When the selector lever is in any position other than "N", "P"	OFF
RELEASE SW NO	Power switch ON	When brake pedal is depressed	OFF
		When brake pedal is not depressed	ON
RELEASE SW NC	Power switch ON	When brake pedal is depressed	OFF
		When brake pedal is not depressed	ON
FEB SELECT	Power switch ON	When AEB is ON	ON
		When AEB is OFF	OFF
LDW SELECT	💡 **NOTE:** **The item is displayed, but it is not used**		—
LDP SELECT	Power switch ON	When I-LI is ON	ON
		When I-LI is OFF	OFF
Steering assist function select	Power switch ON	When steering assist function is ON	ON
		When steering assist function is OFF	OFF
TARGET VHICLE SPEED (NAVI)	💡 **NOTE:** **The item is displayed, but it is not used**		—
FEB SW	💡 **NOTE:** **The item is displayed, but it is not used**		—
ICC warning output	Power switch ON	ProPILOT Assist malfunction message: ON	ON
		ProPILOT Assist malfunction message: OFF	OFF
Speed control mode	Power switch ON	When the vehicle-to-vehicle distance control mode is operating	ICC
		When the conventional (fixed speed) cruise control mode is operating	ASCD

Monitor item	Condition		Value/Status
		When the cruise control mode is OFF	OFF
Set display lamp	Power switch ON	When the vehicle-to-vehicle distance control mode system display is ON	ICC
		When the conventional (fixed speed) cruise control mode system display is ON	ASCD
		When the cruise control mode system display is OFF	OFF
LDP system	**NOTE:** **The item is displayed, but it is not used**		—
LDP ON IND	Power switch ON	When I-LI is ON	ON
		When I-LI is OFF	OFF
LDW system	Power switch ON	When LDW is ON	ON
		When LDW is OFF	OFF
DISTANCE TO INTERSECTION	**NOTE:** **The item is displayed, but it is not used**		—
Steering torque (measured)	**NOTE:** **The item is displayed, but it is not used**		—
Steering torque (dealer)	**NOTE:** **The item is displayed, but it is not used**		—
Torque sensor value	**NOTE:** **The item is displayed, but it is not used**		—
Steering torque (currently)	**NOTE:** **The item is displayed, but it is not used**		—

TERMINAL LAYOUT

PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	−	Signal name	Input/Output			
9 (B)	Ground	Steering assist switch signal	Input	Power switch ON	Steering assist switch is not pressed	Battery voltage
					Steering assist switch is pressed	0 V
16 (V)		Steering vibration motor signal ground	Input	Power switch ON	Steering vibration motor OFF	4 V
					At "STRG vibration" test of "Active test"	0 V
17 (P)		ITS CAN communication-L	—	—		—
19 (BR)		LIN communication	—	—		—
20 (LA/R)		Power switch ON power supply	Input	Power switch ON		Battery voltage
28 (BR)		ITS CAN communication-H	—	—		—
29 (W)		ITS CAN communication-L	—	—		—
30 (B)		Ground	—	Power switch ON		0 V
31 (BR)		ITS CAN communication-H	—	—		—
32 (LG)		ITS CAN communication-L	—	—		—
34 (BR)		ITS CAN communication-H	—	—		—
35 (R)		ITS CAN communication-L	—	—		—

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	−	Signal name	Input/Output			
37 (BR)		ITS CAN communication-H	—	—		—
40 (GR)		Steering vibration motor signal	Output	Power switch ON	Steering vibration motor OFF	0 V
					At "STRG vibration" test of "Active test"	Battery voltage
42 (Y)		Ethernet(+)	—	—		—
43 (G)		Ethernet(-)	—	—		—
45 (SHIELD)		Shield	—	—		—
47 (Y)		Ethernet(+)	—	—		—
48 (G)		Ethernet(-)	—	—		—
50 (SHIELD)		Shield	—	—		—

Fail-safe (ADAS Control Unit)

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

DTC Inspection Priority Chart

If multiple DTCs are detected simultaneously, check them one by one depending on the following DTC inspection priority chart.

Priority	Detected items (DTC)
1	• C1F36-55: CONFIG UNFINISHED • U2A04-88: Comm Bus Off ITS1-FD • U2A05-88: Comm Bus Off ITS4-FD • U2A07-88: CAN comm err • U2A08-88: Comm Bus Off ITS3-FD • U2A09-88: Comm Bus Off ITS5-FD
2	• C1F00-1C: CONTROL UNIT • C1F00-44: CONTROL UNIT • C1F00-45: CONTROL UNIT • C1F00-46: CONTROL UNIT • C1F00-49: CONTROL UNIT • C1F00-4B: CONTROL UNIT • C1F00-54: CONTROL UNIT • C1F00-62: CONTROL UNIT • C1F00-71: CONTROL UNIT • C1F00-87: CONTROL UNIT • C1F02-16: POWER SUPPLY CIR • C1F02-17: POWER SUPPLY CIR • C1F03-23: OPERATION SW CIRC • C1F03-62: OPERATION SW CIRC • C1F03-72: OPERATION SW CIRC • C1F03-73: OPERATION SW CIRC • C1F04-48: FEB OPE COUNT LIMIT • C1F04-61: FEB OPE COUNT LIMIT • C1F05-49: Front camera unit • C1F05-4B: Front camera unit • C1F05-54: Front camera unit • C1F05-82: Front camera unit • C1F05-83: Front camera unit • C1F41-84: TRANSMISSION CIRCUIT • C1F43-04: Around view control unit • C1F43-82: Around view control unit

Priority	Detected items (DTC)
	- C1F43-83: Around view control unit - C1F44-82: BCM - C1F44-83: BCM - C1F45-82: CCM - C1F45-83: CCM - C1F46-04: VCM/HPCM - C1F46-24: VCM/HPCM - C1F46-62: VCM/HPCM - C1F46-82: VCM/HPCM - C1F46-83: VCM/HPCM - C1F47-82: Combination meter - C1F47-83: Combination meter - C1F48-04: ABS/TCS/VDC CIRC - C1F48-16: ABS/TCS/VDC CIRC - C1F48-82: ABS/TCS/VDC CIRC - C1F48-83: ABS/TCS/VDC CIRC - C1F48-86: ABS/TCS/VDC CIRC - C1F51-82: IPDM E/R - C1F51-83: IPDM E/R - C1F55-82: Electric parking brake circuit - C1F55-83: Electric parking brake circuit - C1F59-04: EPS control unit - C1F59-82: EPS control unit - C1F59-83: EPS control unit - C1F5F-04: Distance sensor - C1F5F-08: Distance sensor - C1F5F-16: Distance sensor - C1F5F-4B: Distance sensor - C1F5F-78: Distance sensor - C1F5F-82: Distance sensor - C1F5F-83: Distance sensor - C1F64-82: Head Up Display unit - C1F64-83: Head Up Display unit - C1F65-04: Sonar control unit - C1F65-82: Sonar control unit

Priority	Detected items (DTC)
	- C1F65-83: Sonar control unit
	- C1F76-49: Steering angle sensor
	- C1F76-82: Steering angle sensor
	- C1F76-83: Steering angle sensor
	- C1F80-11: Steering wheel touch sensor
	- C1F80-12: Steering wheel touch sensor
	- C1F80-49: Steering wheel touch sensor
	- C1F80-55: Steering wheel touch sensor
	- C1F80-82: Steering wheel touch sensor
	- C1F80-83: Steering wheel touch sensor
	- C1F80-86: Steering wheel touch sensor
	- C1F80-88: Steering wheel touch sensor
	- C1F89-04: Side radar rear LH
	- C1F89-82: Side radar rear LH
	- C1F89-83: Side radar rear LH
	- C1F8A-04: Side radar rear RH
	- C1F8A-82: Side radar rear RH
	- C1F8A-83: Side radar rear RH
	- U1327-52: MAC key update
	- U1327-54: MAC key update
	- U19B0-87: LIN comm err (Touch sensor)
	- U210C-87: CAN comm err (active pedal)
	- U2112-87: CAN comm err (brake unit)
	- U2118-87: CAN comm err (Intelligent Key)
	- U2140-87: CAN comm err (ECM)
	- U2143-57: CAN comm err (VCM/HCM)
	- U2143-87: CAN comm err (VCM/HCM)
	- U2148-87: CAN comm err (brake control unit)
	- U214A-87: CAN comm err (AWD/4WD)
	- U214E-87: CAN comm err (combination meter)
	- U214F-57: CAN comm err (BCM)
	- U214F-87: CAN comm err (BCM)
	- U2150-87: CAN comm err (AIRBAG)
	- U2154-87: CAN comm err (MIU)
	- U2155-87: CAN comm err (parking brake)

Priority	Detected items (DTC)
	- U2159-87: CAN comm err (steering control unit) - U2175-57: CAN comm err (AVM) - U2175-87: CAN comm err (AVM) - U2176-57: CAN comm err (CCM/ST angle sensor) - U2176-87: CAN comm err (CCM/ST angle sensor) - U226B-87: CAN comm err (front camera) - U236C-87: CAN comm err (side radar) - U236E-87: CAN comm err (side radar) - U2440-87: CAN comm err (ECM) - U2441-87: CAN comm err (TCM) - U2443-57: CAN comm err (VCM/HCM) - U2443-87: CAN comm err (VCM/HCM) - U2448-87: CAN comm err (ABS control unit) - U244E-87: CAN comm err (combination meter) - U244F-57: CAN comm err (BCM) - U244F-87: CAN comm err (BCM) - U2454-87: CAN comm err (MIU) - U2456-87: CAN comm err (ST angle sensor) - U2459-87: CAN comm err (EPS control unit) - U245B-87: CAN comm err (IPDM E/R) - U2465-57: CAN comm err (sonar control unit) - U2465-87: CAN comm err (sonar control unit) - U2475-57: CAN comm err (AVM) - U2475-87: CAN comm err (AVM) - U2476-57: CAN comm err (CCM) - U2476-87: CAN comm err (CCM) - U2589-87: CAN comm err (side radar) - U258A-87: CAN comm err (side radar) - U2752-87: Ethernet circuit - U2752-88: Ethernet circuit - U2852-87: Ethernet circuit - U2852-88: Ethernet circuit