

Your Ultimate Source for OEM Repair Manuals

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.

2001 NISSAN Skyline GT-R (R34) OEM Service and Repair Workshop Manual

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1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

CAUTION:
Never operate the vehicle.

3. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Perform self-diagnosis for “ABS”.

Is DTC “C1070-54” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)

NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CALIBRATION OF SIDE G SENSOR

Perform calibration of side G sensor. Refer to [DTC Diagnosis Procedure](#).

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2. PERFORM SELF-DIAGNOSIS

 With CONSULT

1. Power switch OFF (Auto ACC function ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

CAUTION:
Never operate the vehicle.

3. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Perform self-diagnosis for "ABS".

Is DTC "C1070-54" detected?

YES>>

Check the DTC.

NO>>

Replace the ABS actuator and electric unit (control unit). Refer to [ABS ACTUATOR AND ELECTRIC UNIT \(CONTROL UNIT\): Removal & Installation](#).

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C1070	64	Side G sensor	Diagnosis condition	<ul style="list-style-type: none"> Power switch is ON. When the power supply voltage is normal.
			Signal (terminal)	—
			Threshold	When a malfunction is detected in side G sensor.
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE



NOTE:

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none"> Change in vehicle posture (e.g. different tire sizes on front and rear, overloaded) ABS actuator and electric unit (control unit) install angle is improper Harness or connector ABS actuator and electric unit (control unit) ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery 	<ul style="list-style-type: none"> Change in vehicle posture (e.g. different tire sizes on front and rear, overloaded) ABS actuator and electric unit (control unit) install angle is improper Harness or connector ABS actuator and electric unit (control unit) ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery

FAIL-SAFE

The following functions are suspended.

- VDC function
- TCS function
- hill start assist function
- Brake limited slip differential (BLSD) function
- Brake assist function
- Brake force distribution function
- Cooperative regenerative brake function

- Electric parking brake function

Sample

1. PRECONDITIONING

If “Confirmation Procedure” has been previously conducted, always power switch OFF, get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors before conducting the next test.

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2. CHECK DTC DETECTION

 With CONSULT

1. Power switch OFF (Auto ACC is ON).
2. Get out of the vehicle, close all doors (other than hood assembly), check that the combination meter is OFF, and wait for 1 minute or more without opening these doors.

CAUTION:
Never operate the vehicle.

3. Power switch ON without depressing the brake pedal.

CAUTION:
Never set the vehicle to READY.

4. Perform self-diagnosis for “ABS”.

Is DTC “C1070-64” detected?

YES-1>>

“CRNT” is displayed: Refer to [DTC Diagnosis Procedure](#).

YES-2>>

“PAST” is displayed: INSPECTION END (Erase the memory of self-diagnosis results.)


NO-1>>

To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK SELF-DIAGNOSIS RESULTS

 With CONSULT

Replace the ABS actuator and electric unit (control unit) even if other DTCs are displayed along with “C1070-64” in self-diagnosis for “ABS”.

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Replace the ABS actuator and electric unit (control unit). Refer to [ABS ACTUATOR AND ELECTRIC UNIT \(CONTROL UNIT\): Removal & Installation](#).

Sample

1. CHECK VDC OFF INDICATOR LAMP FUNCTION

Check that VDC OFF indicator lamp in combination meter turns ON for several seconds after power switch is ON.

CAUTION:

Never set the vehicle to READY.

Is the inspection result normal?

YES>>

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NO>>

Proceed to diagnosis procedure. Refer to [Diagnosis Procedure](#).

2. CHECK VDC OFF INDICATOR LAMP OPERATION (VDC SETTING)

Check that VDC OFF indicator lamp is turned ON/OFF when VDC setting is changed ON/OFF with the information display of combination meter.

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Refer to [Diagnosis Procedure](#).

1. CHECK ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) POWER SUPPLY AND GROUND CIRCUIT

Perform the trouble diagnosis for ABS actuator and electric unit (control unit) power supply and ground circuit. Refer to [Diagnosis Procedure](#).

Is the inspection result normal?

YES>>

Check combination meter. Refer to [On Board Diagnosis Function](#).

NO>>

Repair / replace harness, connector, terminal, fuse, or fusible link.

Sample

DTC DETECTION LOGIC

DTC No.		CONSULT screen terms	DTC detection condition	
C1059	92	Control unit	Diagnosis condition	<ul style="list-style-type: none"> Power switch is ON. When the power supply voltage is normal.
			Signal (terminal)	—
			Threshold	When an overheat is detected in any valve.
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE


NOTE:

Confirm if DTC is PAST or CRNT. If DTC is CRNT, proceed with Diagnosis Procedure. If DTC is PAST, clear DTC. Do not replace the ABS actuator and electric unit (control unit) for a PAST DTC.

PAST DTC	CRNT DTC
<ul style="list-style-type: none"> Motor built in the ABS actuator and electric unit (control unit) operates temporarily without a break Harness or connector ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery 	<ul style="list-style-type: none"> Harness or connector ABS actuator and electric unit (control unit) ABS actuator and electric unit (control unit) power supply system Fuse Fusible link 12V battery

FAIL-SAFE

The following functions are suspended.

- VDC function
- TCS function
- ABS function
- EBD function
- hill start assist function