

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 V-Spec (R34) OEM Service and Repair Workshop Manual

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- 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 “C1059-92” 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 ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) POWER SUPPLY AND GROUND CIRCUIT

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

Is the inspection result normal?

YES>>

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NO>>

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

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".



NOTE:

Replace the ABS actuator and electric unit (control unit) even if other DTCs are displayed along with "C1058-04" in self-diagnosis for "ABS".

Is DTC "C1059-92" detected?

YES>>

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

NO>>

INSPECTION END [Although motor built in the ABS actuator and electric unit (control unit) operates temporarily without a break, this is not a malfunction. Erase the all memory of self-diagnosis results.]

DTC DETECTION LOGIC

| DTC No. | | CONSULT screen terms | DTC detection condition | |
|---------|----|----------------------|-------------------------|---|
| C1071 | 54 | Decel 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 calibration of yaw rate/side/ decel G sensor is not complete. |
| | | | 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 “C1071-54” 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 "C1071-54" 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 | |
|---------|----|----------------------|-------------------------|---|
| C1071 | 61 | Decel 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 decel 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 |

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