

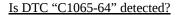
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1999 NISSAN Terrano II 5 Doors OEM Service and Repair Workshop Manual

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Never set the vehicle to READY. 5. Perform self-diagnosis for "ABS".



YES>>

GO TO 22.

NO>>

INSPECTION END

11. CHECK CONNECTOR

- 1. Disconnect 12V battery negative terminal.
- 2. Check the ABS actuator and electric unit (control unit) harness connector for disconnection or looseness.
- 3. Check the rear left wheel sensor harness connector for disconnection or looseness.

<u>Is the inspection result normal?</u>

YES>>

GO TO 14.

NO>>

Repair / replace harness or connector, securely lock the connector. GO TO 12

12. CHECK DATA MONITOR (2)

- With CONSULT
 - 1. Connect 12V battery negative terminal.
 - 2. Erase self-diagnosis result for "ABS".
 - 3. Power switch OFF (Auto ACC function ON).
 - 4. 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.

- 5. Set the vehicle to READY.
- 6. Select "ABS" and "Data monitor", check "Front left wheel speed", "Front right wheel speed", "Rear left wheel speed", and "Rear right wheel speed".

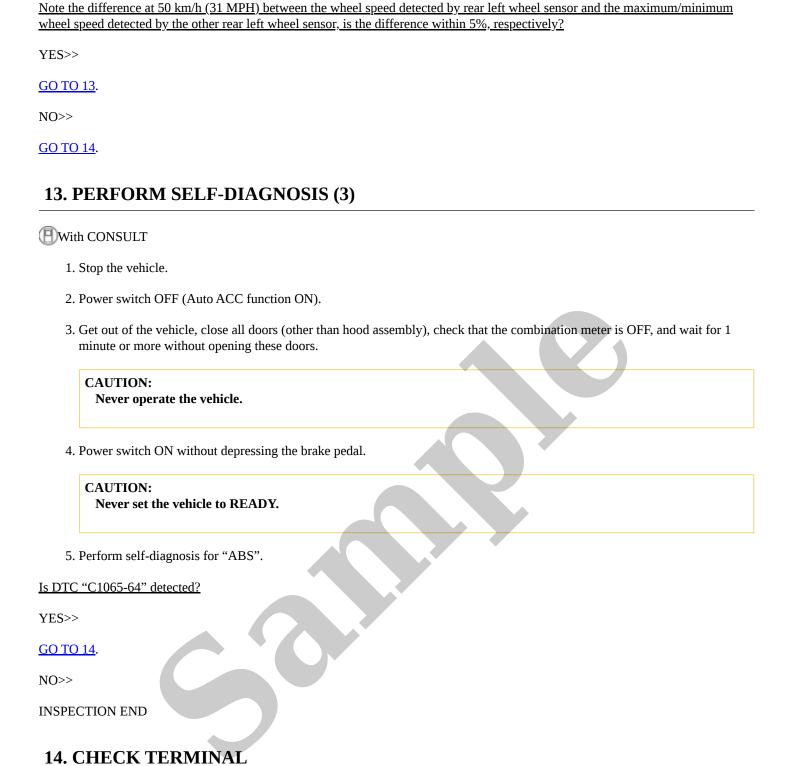


Set the "Data monitor" recording speed to "10 msec".

7. Read a value (wheel speed) of all wheel sensor.



Vehicle must be driven after repair or replacement to erase the previous DTCs.



- 1. Disconnect 12V battery negative terminal.
- 2. Disconnect ABS actuator and electric unit (control unit) harness connector.
- 3. Check the ABS actuator and electric unit (control unit) terminals for damage or loose connection with harness connector.
- 4. Disconnect rear left wheel sensor harness connector.
- 5. Check the rear left wheel sensor terminals for damage or loose connection with harness connector.

Is the inspection result normal?

YES>>

GO TO 17.

NO>>

Repair / replace harness, connector, or terminal. <u>GO TO 15</u>.

15. CHECK DATA MONITOR (3)

- **(H)**With CONSULT
 - 1. Connect ABS actuator and electric unit (control unit) harness connector.
 - 2. Connect rear left wheel sensor harness connector.
 - 3. Connect 12V battery negative terminal.
 - 4. Erase self-diagnosis result for "ABS".
 - 5. Power switch OFF (Auto ACC function ON).
 - 6. 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.

- 7. Set the vehicle to READY.
- 8. Select "ABS" and "Data monitor", check "Front left wheel speed", "Front right wheel speed", "Rear left wheel speed", and "Rear right wheel speed".



Set the "Data monitor" recording speed to "10 msec".

9. Read a value (wheel speed) of all wheel sensor.



Vehicle must be driven after repair or replacement to erase the previous DTCs.

Note the difference at 50 km/h (31 MPH) between the wheel speed detected by rear left wheel sensor and the maximum/minimum wheel speed detected by the other rear left wheel sensor, is the difference within 5%, respectively?

YES>>

GO TO 16.

NO>>

GO TO 17.

16. PERFORM SELF-DIAGNOSIS (4)

- **With CONSULT**
 - 1. Stop the vehicle.
 - 2. Power switch OFF (Auto ACC function ON).
 - 3. 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.

4. Power switch ON without depressing the brake pedal.

CAUTION: Never set the vehicle to READY.

5. Perform self-diagnosis for "ABS".

Is DTC "C1065-64" detected?

YES>>

GO TO 17.

NO>>

INSPECTION END

17. CHECK WHEEL SENSOR HARNESS

- 1. Disconnect 12V battery negative terminal.
- 2. Disconnect ABS actuator and electric unit (control unit) harness connector.
- 3. Disconnect rear left wheel sensor harness connector.
- 4. Check the continuity between ABS actuator and electric unit (control unit) harness connector and rear left wheel sensor harness connector.

ABS actuator and electric unit (control un		Continuity	
Connector	Terminal	— Continuity	
B2	39, 23	Ground	Not existed

Is the inspection result normal?

YES>>

GO TO 18.

NO>>

Repair / replace harness or connector. GO TO 18.

18. CHECK DATA MONITOR (4)

(E)With CONSULT

- 1. Connect ABS actuator and electric unit (control unit) harness connector.
- 2. Connect rear left wheel sensor harness connector.
- 3. Connect 12V battery negative terminal.
- 4. Erase self-diagnosis result for "ABS".
- 5. Power switch OFF (Auto ACC function ON).
- 6. 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.

- 7. Set the vehicle to READY.
- 8. Select "ABS" and "Data monitor", check "Front left wheel speed", "Front right wheel speed", "Rear left wheel speed", and "Rear right wheel speed".



Set the "Data monitor" recording speed to "10 msec".

9. Read a value (wheel speed) of all wheel sensor.



Vehicle must be driven after repair or replacement to erase the previous DTCs.

Note the difference at 50 km/h (31 MPH) between the wheel speed detected by rear left wheel sensor and the maximum/minimum wheel speed detected by the other rear left wheel sensor, is the difference within 5%, respectively?

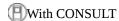
YES>>

GO TO 19.

NO>>

GO TO 20.

19. PERFORM SELF-DIAGNOSIS (5)



- 1. Stop the vehicle.
- 2. Power switch OFF (Auto ACC function ON).
- 3. 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.

4. Power switch ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

5. Perform self-diagnosis for "ABS".

Is DTC "C1065-64" detected?

YES>>

GO TO 20.

NO>>

INSPECTION END

20. REPLACE WHEEL SENSOR (2)

(E)With CONSULT

- 1. Replace the rear left wheel sensor. Refer to REAR WHEEL SENSOR: Removal & Installation.
- 2. Erase self-diagnosis result for "ABS".
- 3. Power switch OFF (Auto ACC function ON).

4. 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.

- 5. Set the vehicle to READY.
- 6. Select "ABS" and "Data monitor", check "Front left wheel speed", "Front right wheel speed", "Rear left wheel speed", and "Rear right wheel speed".



Set the "Data monitor" recording speed to "10 msec".

7. Read a value (wheel speed) of all wheel sensor.



Vehicle must be driven after repair or replacement to erase the previous DTCs.

Note the difference at 50 km/h (31 MPH) between the wheel speed detected by rear left wheel sensor and the maximum/minimum wheel speed detected by the other rear left wheel sensor, is the difference within 5%, respectively?

YES>>

GO TO 21.

NO>>

GO TO 22.

21. PERFORM SELF-DIAGNOSIS (6)

(P)With CONSULT

- 1. Stop the vehicle.
- 2. Power switch OFF (Auto ACC function ON).
- 3. 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.

4. Power switch ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

5. Perform self-diagnosis for "ABS".

Is DTC "C1065-64" detected?

YES>>

GO TO 22.

NO>>

22. REPLACE SENSOR ROTOR

(H)With CONSULT

- 1. Replace the rear left sensor rotor. Refer to REAR SENSOR ROTOR: Removal & Installation.
- 2. Erase self-diagnosis result for "ABS".
- 3. Power switch OFF (Auto ACC function ON).
- 4. 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.

- 5. Set the vehicle to READY.
- 6. Drive the vehicle at approximately 50 km/h (31 MPH) or more for approximately 2 minutes.



Vehicle must be driven after repair or replacement to erase the previous DTCs.

- 7. Stop the vehicle.
- 8. Power switch OFF (Auto ACC function ON).
- 9. 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.

10. Power switch ON without depressing the brake pedal.

CAUTION:

Never set the vehicle to READY.

11. Perform self-diagnosis for "ABS".

Is DTC "C1065-64" detected?

YES>>

Replace the ABS actuator and electric unit (control unit). Refer to <u>ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)</u>: Removal & Installation.

NO>>

INSPECTION END

DTC DETECTION LOGIC

DTC N	No.	CONSULT screen terms	DTC detection condition	
C1065 92	92	92 Rear left wheel sensor	Diagnosis condition	 Power switch is ON. When rear left wheel sensor power supply voltage is normal.
			Signal (terminal)	Rear left wheel sensor signal
			Threshold	When a malfunction is detected in rear left wheel sensor signal.
			Diagnosis delay time	1 second or less

POSSIBLE CAUSE



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.

CRNT DTC	
Vehicle was not driven after previous repair	
Harness or connector	
Rear left wheel sensor	
Rear left sensor rotor	
Rear left tire size	
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
- Brake limited slip differential (BLSD) function
- Brake assist function
- Brake force distribution function
- Cooperative regenerative brake function
- Electric parking brake function

