

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.

1996 NISSAN Maxima OEM Service and Repair Workshop Manual

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Repair or replace error-detected parts. [GO TO 6.](#)

6. CHECK FRONT WHEEL ALIGNMENT

Check the front wheel alignment. Refer to [WHEEL ALIGNMENT : Inspection.](#)

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

Adjust the front wheel alignment. Refer to [WHEEL ALIGNMENT : Adjustment.](#) [GO TO 7.](#)

7. CHECK THE VEHICLE STATUS (2)

Stop vehicle with front wheels in the straight-ahead position.

Does the vehicle stay in the straight-ahead position?

YES>>

[GO TO 8.](#)

NO>>

Steer the steering wheel to the straight-ahead position. [GO TO 8.](#)

8. CHECK DATA MONITOR (2)

 With CONSULT

1. The vehicle is either pointing straight ahead, or the vehicle needs to be moved. Stop when it is pointing straight ahead.
2. Select “ABS”, “Data monitor”, and “Steering angle” in the order. Check that the signal is within the specified value. Refer to [Values On The Diagnosis Tool.](#)

Is the inspection result normal?

YES>>

[GO TO 10.](#)

NO>>

[GO TO 9.](#)

9. CHECK DATA MONITOR (3)

 With CONSULT

1. The vehicle is either pointing straight ahead, or the vehicle needs to be moved.

CAUTION:

- Drive the vehicle at approximately 30 km/h (19MPH) or more for 300 m (985 ft) or more.
- Never use tester

2. The vehicle is either pointing straight ahead, or the vehicle needs to be moved. Stop when it is pointing straight ahead.
3. Select “ABS”, “Data monitor”, and “Steering angle” in the order. Check that the signal is within the specified value. Refer to [Values On The Diagnosis Tool.](#)

Is the inspection result normal?

YES>>

[GO TO 10.](#)

NO>>

[GO TO 1.](#)

10. ERASE SELF-DIAGNOSIS MEMORY

 With CONSULT

1. Record or print self-diagnosis results and freeze frame data (FFD).
2. Erase self-diagnosis result for "ABS".

Are the memories erased?

YES>>

End of work.

NO>>

Check the DTC. Refer to [DTC Index](#).

11. EPS SYSTEM LEARNING

1. Pull the parking brake switch.



NOTE:

Check to make sure that the parking brake switch indicator is turned ON.

2. Power switch OFF.
3. Get out of the vehicle and close all doors.
4. Wait 65 seconds.



NOTE:

- **Check to make sure that the parking brake switch indicator is turned OFF.**
- **If the rear brake calipers are hot, wait up to an hour until parking brake indicator light on the switch turns OFF. Once indicator light on the switch turns OFF, move to next step.**

5. Set the vehicle to READY.

CAUTION:

Never drive the vehicle.

>>

WORK END

CAUTION:

When performing the following operations, always use CONSULT, for performing “Start brake pad replacement”, “Finish brake pad replacement” of “Work support”.


NOTE:

When perform "Finish brake pad replacement", "Initialization position adjustment" will also be performed.

×: Required —: not required

| Procedure | <ul style="list-style-type: none"> • Start brake pad replacement • Finish brake pad replacement • Initialization position adjustment |
|--|---|
| Removing/installing ABS actuator and electric unit (control unit) | — |
| Replacing ABS actuator and electric unit (control unit) | — |
| Removing/installing rear brake pad (When not pressing piston of rear brake caliper assembly) | — |
| Removing/installing rear brake pad (When pressing piston of rear brake caliper assembly) | × |
| Replacing rear brake pad | × |
| Removing/installing rear brake caliper assembly | — |
| Replacing rear brake caliper assembly | × |
| Replacing rear disc rotor | × |
| Removing/installing parking brake switch | — |
| Replacing parking brake switch | — |

CAUTION:

When performing the following operations, always use CONSULT. (It cannot be performed by any means other than CONSULT.)

1. BEFORE REMOVAL/REPLACEMENT OF REAR BRAKE PAD OR REAR CALIPER ASSEMBLY

 With CONSULT

1. Power switch OFF to ON.

CAUTION:

Never start the set the vehicle to READY.

2. Select “ABS”, “Work support”, and “Start brake pad replacement” according to this order.

CAUTION:

- Never operate the parking brake switch.

- Never depress the brake pedal.

3. Touch "START".

>>

[GO TO 2.](#)

2. REMOVAL AND INSTALLATION/REPLACEMENT OF REAR BRAKE PAD OR REAR BRAKE CALIPER ASSEMBLY


Replace the rear brake pad or rear brake caliper.

- Rear brake pad: Refer to [REAR BRAKE PAD : Removal & Installation.](#)
- Rear brake caliper assembly: Refer to [REAR BRAKE CALIPER ASSEMBLY : Removal & Installation.](#)

>>

[GO TO 3.](#)

3. AFTER INSTALLATION/REPLACEMENT OF REAR BRAKE PAD OR REAR CALIPER ASSEMBLY

 With CONSULT

1. Select "ABS", "Work support", and "Finish brake pad replacement" according to this order.

CAUTION:

- Never operate the parking brake switch.
- Never depress the brake pedal.

2. Touch "START".

>>

[GO TO 4.](#)

4. PERFORM THE SELF-DIAGNOSIS

 With CONSULT

1. Pull parking brake switch to activate electric parking brake.
2. Push parking brake switch to release electric parking brake.
3. Perform self-diagnosis for "ABS".

Is malfunction detected?

YES>>

Check the DTC. Refer to [DTC Index](#), [GO TO 5.](#)

NO>>

[GO TO 5.](#)

5. CHECK DATA MONITOR

 With CONSULT

Select “ABS”, “Data monitor”, “Brake force (left)” and “Brake force (right)” according to this order. Check that signals are within the specified value. Refer to [Values On The Diagnosis Tool](#).

Is the check result normal?

YES>>

[GO TO 6.](#)

NO>>

[GO TO 1.](#)

6. ERASE SELF-DIAGNOSIS MEMORY

 With CONSULT

1. Power switch OFF to ON.
2. Erase self-diagnosis results for “ABS”.

Is the memory erased?

YES>>

INSPECTION END

NO>>

Check the DTC. Refer to [DTC Index](#).

Sample

Vehicle specification needs to be written with CONSULT because it is not written after replacing the ABS actuator and electric unit (control unit).

For details the operation, refer to "CONSULT Operation Manual".

1. WRITING VEHICLE SPECIFICATION

 With CONSULT

Perform writing vehicle specification to ABS actuator and electric unit (control unit) according to "Replace ECU" in CONSULT Operation Manual.

>>

WORK END

Sample

Description

Vehicle specification needs to be written with CONSULT because it is not written after replacing the ABS actuator and electric unit (control unit).

For details the operation, refer to “CONSULT Operation Manual”.

1. WRITING VEHICLE SPECIFICATION

 With CONSULT

Perform writing vehicle specification to ABS actuator and electric unit (control unit) according to "Replace ECU" in CONSULT Operation Manual.

>>

[GO TO 2.](#)

2. PERFORM NECESSARY WORK

 With CONSULT

1. Perform configuration. Refer to [Work Procedure](#).
2. Perform air bleeding. Refer to [BRAKE FLUID : Air Bleeding](#).
3. Perform calibration of decel G sensor. Refer to [Work Procedure](#).
4. Perform calibration of side G sensor. Refer to [Work Procedure](#).
5. Perform adjustment of initialization position. Refer to [Work Procedure](#).
6. Perform self-diagnosis for “All DTC Reading”.
7. Erase the memory of self-diagnosis results.
8. Actual driving 3 km or more.



NOTE:

Save the odometer information of combination meter in ABS actuator and electric unit (control unit).

>>

WORK END

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, and electric parking brake function does not operate.

CAUTION:

- **VDC function, ABS function, EBD function, brake assist function, brake force distribution function, and cooperative regenerative brake function never operate when the vehicle speed is 10 km/h (6.2 MPH) or less. However, TCS function, hill start assist function, brake limited slip differential (BLSD) function and electric parking brake function can be operate during the vehicle speed is 0 km/h (0 MPH) (vehicle is stopped).**
- **VDC function hill start assist function, and brake limited slip differential (BLSD) function dose not operate when VDC setting is OFF (VDC OFF indicator lamp is ON).**

1. CHECK WARNING LAMP

Check that ABS warning lamp, brake warning lamp, and VDC warning lamp turn ON and turn OFF several seconds after power switch is ON.

CAUTION:

Brake warning lamp turns ON when brake fluid is less than the specified level (brake fluid level switch is ON).

Is the inspection result normal?

YES>>

Normal

NO>>

Perform self-diagnosis for "ABS" with CONSULT.

The vehicle jerks when 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, and cooperative regenerative brake function operates.

1. CHECK SYMPTOM

Check that the vehicle jerks when VDC function, TCS function, ABS function, hill start assist function, brake limited slip differential (BLSD) function, brake assist function, brake force distribution function, and cooperative regenerative brake function operates.

Is the inspection result normal?

YES>>

Normal

NO>>

[GO TO 2.](#)

2. PERFORM SELF-DIAGNOSIS (1)

 With CONSULT

Perform self-diagnosis for “ABS”.

Is DTC detected?

YES>>

Check the DTC. Refer to [DTC Index](#).

NO>>

[GO TO 3.](#)

3. CHECK CONNECTOR

 With CONSULT

1. Power switch OFF.
2. Disconnect the ABS actuator and electric unit (control unit) harness connector.
3. Check the connector terminal for deformation, disconnection and looseness.
4. Connect the ABS actuator and electric unit (control unit) harness connector, and perform self-diagnosis for “ABS” again.

Is the inspection result normal?

YES>>

[GO TO 4.](#)

NO>>

Poor connection of connector terminal. Repair or replace connector terminal.

4. PERFORM SELF-DIAGNOSIS (2)

 With CONSULT

Perform self-diagnosis for “EV/HEV”.