

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.

Nissan Altima 2021 Manual Service & Repair Guide

[Go to manual page](#)

- Perform action test to verify the customer's concern.
- Perform action test and check the system operation after system diagnosis.

WARNING:

Be careful of traffic conditions and safety around the vehicle when performing road test.

CAUTION:

- **Fully understand the following items well before the road test;**
 - System description for TSR: Refer to [System Description](#).
 - Handling precaution: Refer to [Precautions for Traffic Sign Recognition](#).

1. CHECK TSR SYSTEM SETTING

1. Set the vehicle to READY.
2. After setting the vehicle to READY wait for 30 seconds or more.
3. Enable the setting of the TSR system on the information display.
4. Turn OFF the power switch and wait for 5 seconds or more.
5. Check that the previous setting is saved when the vehicle is set to READY again.

>>

[GO TO 2.](#)

2. ACTION TEST FOR TSR

1. Enable the setting of the TSR system on the information display.
2. Check the TSR operation according to the following table.

System status	Condition	Display on information display	Display on Head Up Display
TSR OFF	—	—	—
TSR ON	Road sign not detected	—	—
	Road sign detected (except for speed limit signs)	<p>This is an example. For details of displayed signs, Refer to System Description.</p>  <p>SIEMD-7109664-MD-6018343-01-000310489OffOff-24C5F4A9-000310489</p>	<p>This is an example. For details of displayed signs, Refer to System Description.</p>  <p>SIEMD-7109664-MD-6018343-01-000310489OffOff-1D731EBE-000310489</p>

System status	Condition	Display on information display	Display on Head Up Display
	Road sign detected (Speed limit signs)	<p>This is an example. For details of displayed signs, Refer to System Description.</p>  <p>SIEMD-7109664-MD-6018343-03-000310490OffOff-24C5F4CB-000310490</p>	<p>This is an example. For details of displayed signs, Refer to System Description.</p>  <p>SIEMD-7109664-MD-6018343-03-000310490OffOff-1D73215E-000310490</p>

>>

INSPECTION END

Sample

- Perform action test to verify the customer's concern.
- Perform action test and check the system operation after system diagnosis.

WARNING:

Be careful of traffic conditions and safety around the vehicle when performing road test.

CAUTION:

- Fully understand the following items well before the road test;
 - System description for I-DA: Refer to [System Description](#).
 - Handling precaution: Refer to [Precautions for Intelligent Driver Alertness](#).

1. CHECK I-DA SYSTEM SETTING

1. Set the vehicle to READY.
2. After setting the vehicle to READY wait for 30 seconds or more.
3. Check that the I-DA system setting can be enabled/disabled on the information display.
4. Turn OFF the power switch and wait for 5 seconds or more.
5. Check that the previous setting is saved when the vehicle is set to READY again.

>>

[GO TO 2.](#)

2. ACTION TEST FOR I-DA

1. Enable the setting of the I-DA system on the information display.
2. Check the I-DA operation according to the following table.

Vehicle condition/ Driver's operation	Display on combination meter
I-DA OFF	—
I-DA ON	<p>Driver Attention Alert</p>  <p>Take a Break?</p> <p>SIEMD-7109570-01-000351718</p>

>>

INSPECTION END

- Perform action test to verify the customer's concern.
- Perform action test and check the system operation after system diagnosis.

WARNING:

Be careful of traffic conditions and safety around the vehicle when performing road test.

CAUTION:

- Fully understand the following items well before the road test;
 - System description: Refer to [System Description](#).
 - Handling precaution: Refer to [Precautions for Intelligent Lane Intervention](#).

1. CHECK I-LI SYSTEM SETTING

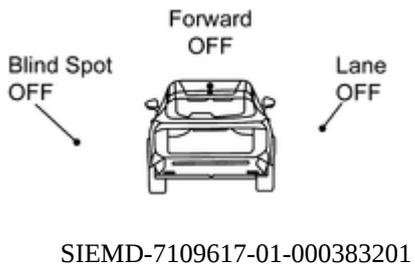
1. Set the vehicle to READY.
2. Check that the I-LI system setting can be enabled/disabled on the information display.
3. Turn OFF the power switch and wait for 30 seconds or more.
4. Check that the previous setting is saved when the vehicle is set to READY again.

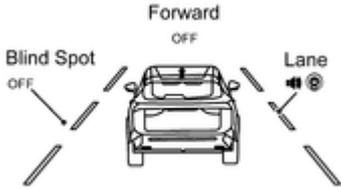
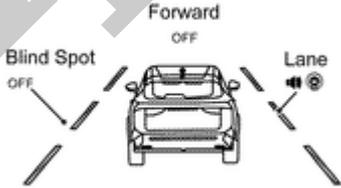
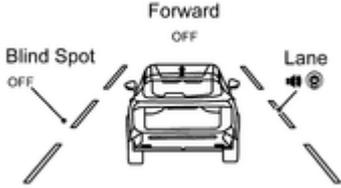
>>

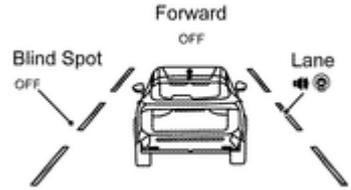
[GO TO 2.](#)

2. ACTION TEST FOR I-LI

1. Enable the setting of the I-LI system on the information display.
2. Turn I-LI system display ON.
3. Check the I-LI operation according to the following table.

Condition		Action	Display on information display	Steering vibration	Buzzer
I-LI OFF		—		OFF	OFF
I-LI ON	Vehicle speed is less than approx. 60 km/h (37 MPH)	—	I-LI system indicator: White Speaker icon : White	OFF	OFF

Condition		Action	Display on information display	Steering vibration	Buzzer
			 <p>SIEMD-7109617-02-000425410</p>		
Vehicle speed is approx. 60 km/h (37 MPH) or more	Vehicle closes to lane marker	Turn signal is OFF or ON (Opposite to the deviate side)	<p>Yawing control is ON</p> <p>Yellow (Blink)</p>  <p>SIEMD-7109617-MD-6018340-03-SOIA1422ZZOffOff-043571A5-SOIA1422ZZ</p> <p>I-LI system indicator: Yellow (Blink)</p> <p>Speaker icon : White</p>  <p>SIEMD-7109617-03-000425411</p>	ON	OFF
		Turn signal is ON (Deviat side)	<p>—</p> <p>I-LI system indicator: White</p> <p>Speaker icon : White</p>  <p>SIEMD-7109617-04-000425410</p>	OFF	OFF
	Vehicle closes to lane marker with soft braking	—	<p>Yawing control is ON</p> <p>Yellow (Blink)</p>  <p>SIEMD-7109617-MD-6018340-MD-4088135-03-SOIA142-0435717B-SOIA1422ZZ</p>	ON	OFF

Condition				Action	Display on information display	Steering vibration	Buzzer
					<p>I-LI system indicator: Yellow (Blink)</p> <p>Speaker icon : White</p>  <p>SIEMD-7109617-05-000425411</p>		



NOTE:

After the operating conditions of warning are satisfied, the warning continues until the vehicle speed reaches approximately 60 km/h (37 MPH). Refer to [System Description](#).

>>

INSPECTION END

Sample

- Perform action test to verify the customer's concern.
- Perform action test and check the system operation after system diagnosis.

WARNING:

Be careful of traffic conditions and safety around the vehicle when performing road test.

CAUTION:

- **Fully understand the following items well before the road test;**
 - **System description for RCTA: Refer to [System Description](#).**
 - **Handling precaution: Refer to [Precautions for Rear Cross Traffic Alert](#).**

1. CHECK RCTA SYSTEM SETTING

1. Set the vehicle to READY.
2. After setting the vehicle to READY wait for 30 seconds or more.
3. Enable the setting of the RCTA system on the information display.
4. Turn OFF the power switch and wait for 5 seconds or more.
5. Check that the previous setting is saved when the vehicle is set to READY again.

>>

[GO TO 2.](#)

2. ACTION TEST FOR RCTA

1. Enable the setting of the RCTA system on the information display.
2. Check the RCTA operation according to the following table.

Condition				Action	Indication on the BSW indicator	Display on information display	Buzzer
RCTA OFF				—	OFF	—	OFF
RCTA ON	Shift lever is in any position other than reverse			—	OFF	—	OFF
	Shift lever is in reverse	Vehicle speed is less than approx. 8 km/h (5 MPH)	Vehicle is not detected	—	OFF	—	OFF
			Vehicle is detected	—	Blink	—	ON
		Vehicle speed is approx. 8 km/h (5 MPH) or more	Vehicle is detected	—	—	—	—

>>

INSPECTION END

- Perform action test to verify the customer's concern.
- Perform action test and check the system operation after system diagnosis.

**NOTE:**

Perform the I-BSI system action test after checking that the I-LI system operates normally because the I-BSI system shares components with the I-LI system.

WARNING:

Be careful of traffic conditions and safety around the vehicle when performing road test.

CAUTION:

Fully understand the following items well before the road test;

- System description: Refer to [System Description](#).
- Handling precaution: Refer to [Precautions for I-BSI](#).

1. LDW/I-LI SYSTEM ACTION TEST

Perform the LDW/I-LI system action test.

- LDW: Refer to [System Description](#).
- I-LI: Refer to [System Description](#).

>>

[GO TO 2.](#)

2. CHECK I-BSI SYSTEM SETTING

1. Set the vehicle to READY.
2. Check that the I-BSI system setting can be enabled/disabled on the information display.
3. Turn OFF the power switch and wait for 5 seconds or more.
4. Check that the previous setting is saved when the vehicle is set to READY again.

>>

INSPECTION END

After the around view monitor is replaced or a malfunction of the ProPILOT Park system is repaired, perform an operation inspection and check that the system operates normally.

1. CHECK OPERATION OF THE AROUND VIEW MONITOR

Check whether or not the around view monitor and camera assistance sonar system are operating normally.

- Around View Monitor system: Refer to [System Description](#).
- Sonar system: Refer to [System Description](#).

>>

[GO TO 2.](#)

2. CHECK STARTUP OF THE ProPILOT PARK.

1. Press the ProPILOT switch.
2. Check that the ProPILOT Park screen is displayed.

CAUTION:
Check in an area that is sufficiently large to permit parking.

>>

[GO TO 3.](#)

3. CHECK OPERATION OF PARKING MODE SELECTION.

1. Stop the vehicle and touch the parking method selection icon.
2. Check that the displayed parking method selection icon and the marking method that is shown in the top view on the Around View Monitor change and are the same. (Changes only to the parking methods that are selected in the settings.)

>>

[GO TO 4.](#)

4. CHECK OPERATION OF RECTANGLE ADJUSTMENT.

1. Stop the vehicle and touch the $\triangle\nabla$ icon.
2. Check that the guide box which is correct for the selected parking method is displayed.
3. Touch the screen and check that the box lines can be adjusted.

>>

[GO TO 5.](#)

5. CHECK OPERATION OF THE ProPILOT PARK.

1. While depressing the brake pedal, press the [Start] switch.
2. Check that the steering cut back guide box (green) is displayed on the screen.
3. 3. While pressing the ProPILOT Park switch, gradually release the brake pedal and check that the vehicle begins slowly moving forward.