


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 Rogue 2016 Manual Complete Service & Repair

[Go to manual page](#)




Display Item	Remarks
	from AV control unit is displayed by ON/OFF.
Camera off signal [ON/OFF]	Receiving status of camera OFF signal received from AV control unit is displayed by ON/OFF.
Rear camera image signal [OK/NG]	Input status of rear view camera image signal is displayed by OK/NG in real time.
Rear camera communication status [OK/NG]	Communication status with rear camera is displayed by OK/NG in real time.
Rear camera communication line [OK/NG]	Status of communication line with rear camera is displayed by OK/NG in real time.
Front camera image signal [OK/NG]	Input status of front view camera image signal is displayed by OK/NG in real time.
Front camera communication status [OK/NG]	Communication status with front camera is displayed by OK/NG in real time.
Front camera communication line [OK/NG]	Status of communication line with front camera is displayed by OK/NG in real time.
Left camera image signal [OK/NG]	Input status of side camera LH image signal is displayed by OK/NG in real time.
Left camera communication status [OK/NG]	Communication status with side camera LH is displayed by OK/NG in real time.
Left camera line [OK/NG]	Status of communication line with side camera LH is displayed by OK/NG in real time.
Right camera image signal [OK/NG]	Input status of side camera RH image signal is displayed by OK/NG in real time.
Right camera communication status [OK/NG]	Communication status with side camera RH is displayed by

Display Item	Remarks
	OK/NG in real time.
Right camera line [OK/NG]	Status of communication line with side camera RH is displayed by OK/NG in real time.
Folding motor voltage 1 [Low/High]	Input status of retractable power door mirror RH operation signal input to around view monitor control unit is displayed by ON/OFF in real time.
Folding motor voltage 2 [Low/High]	Input status of retractable power door mirror RH operation signal input to around view monitor control unit is displayed by ON/OFF in real time.
Switch1 [Released/Pushed]	Displays the status of ProPILOT Park switch judged from ProPILOT Park ON signal.
Switch2 [Released/Pushed]	Displays the status of ProPILOT Park switch judged from ProPILOT Park OFF signal.
Average vehicle speed [km/h]	Displays the vehicle speed calculated from the 4 wheel speed.
Image output [Off/On]	Display the image signal transmission status by None/Yes in real time.
Power supply state [State1/State2/State3/State4/State5/State6/State7/State8/State9/State10/State11/State12]	Display the value of around view monitor control unit power supply.
VehicleSpeed1 [km/h]	Display the value of vehicle speed signal.
GADE [Allow err detection (Cranking)/Allow err detection (ACC)/All err 1 (Excluding CAN diag)/All err 2 (Including CAN diag)/Prohibit err detection]	Displays the DTC detection function status.
AVM Gear Engaged [Parking/Neutral/Rear/Drive/Unavailable]	Steering position is displayed.
MAIN switch [Off/On]	 NOTE: This item display, but not use.
Brake switch [Off/On]	Displays the SET- SW status.



Display Item	Remarks
Stop lamp switch [Off/On]	Displays the stop lamp switch status
Stop lamp active signal [Off/On]	Displays the stop lamp active signal
Idol switch [Off/On]	 NOTE: This item display, but not use.
Vehicle speed signal [km/h]	Display the vehicle speed signal.
Set vehicle speed signal [km/h]	 NOTE: This item display, but not use.
D range [Off/On]	Displays the D range status
N/P range switch [Off/On]	Displays N/P range status
Parking switch signal [Off/On]	Displays the parking brake switch status
Gearbox position	 NOTE: This item display, but not use.
Wiper switch [OFF/Low/High]	Displays the wiper switch status
Wiper signal [Stop/Forced stop/LOW/HIGH]	 NOTE: This item display, but not use.
VDC active signal [OFF/ON]	Displays the VDC active status
VDC malfunction status [OFF/ON]	Displays the VDC error status
VDC OFF switch [OFF/ON]	Displays the VDC ON/OFF status
ABS active signal [OFF/ON]	Displays the ABS active status
ABS malfunction status [OFF/ON]	Displays the ABS error status
TCS active signal [OFF/ON]	Displays the TCS active status
TCS malfunction status [OFF/ON]	Displays the TCS error status






Display Item	Remarks
Door open [OFF/ON]	Displays the open(ON) / close(OFF) status of the door.
Door switch [Closed/Open]	 NOTE: This item display, but not use.
ePKB stop keep request [OFF/ON]	 NOTE: This item display, but not use.
Vehicle speed [km/h]	Display the vehicle speed.
Engine start flag	 NOTE: This item display, but not use.
Preceding car recognition [OK/NG]	Displays the preceding car recognition status
Camera error [OFF/ON]	Displays the front camera unit error status
ACC warning output [OFF/ON]	 NOTE: This item display, but not use.
ACC buzzer output [OFF/ON]	Displays the buzzer output request status to the combination meter.
Display of units [km/h/mpH]	Displays the unit of vehicle speed display.
System ready status [OFF/ON]	Displays the READY state
Release switch (normal open) [OFF/ON]	Displays the stop lamp switch status
Release switch (normal close) [OFF/ON]	Displays the brake pedal position switch status
Trunk switch [Closed/Open]	Displays the trunk switch status
Market [km/MILE]	 NOTE: This item display, but not use.

Display Item	Remarks
SNOW switch [OFF/ON]	Displays the selection status of SNOW in drive mode.
Camera high temp message [OFF/ON]	 NOTE: This item display, but not use.
Yaw rate [°/s]	Displays the Yaw rate
ADAS power supply voltage [V]	Display the value of ADAS C/U 2 power supply.
Wheel speed signal (front right) [rpm]	Displays the wheel speed (front right)
Wheel speed signal (front left) [rpm]	Displays the wheel speed (front left)
Wheel speed signal (right rear) [rpm]	Displays the wheel speed (right rear)
Wheel speed signal (left rear) [rpm]	Displays the wheel speed (left rear)
Accelerator opening signal [%]	Displays the accelerator opening
Steering angle [°]	Steering angle received from chassis control module (with built in steering angle sensor) is displayed.
Steering angle speed [°/s]	Steering angle speed received from chassis control module (with built in steering angle sensor) is displayed.
Driver Yaw rate [°/s]	Display the Driver Yaw rate
Yaw speed [°/s ²]	Display the Yaw speed
Shift position [Off/P/R/N/D/S/L/B/1/2/3/4/5/6/1st(MT)/2nd(MT)/3rd(MT)/4th(MT)/5th(MT)/6th(MT)/7th(MT)/8th(MT)/1st(AT)/2nd(AT)/3rd(AT)/4th(AT)/5th(AT)/6th(AT)]	Displays the shift position
Side G [G]	Indicates lateral G acting on the vehicle.
Steering angle (Correction) [°]	 NOTE: This item display, but not use.
Brake drive	 NOTE: This item display, but not use.

Display Item	Remarks
ICC buzzer drive signal [MODE 1/MODE 2/MODE 3/Stop operation]	 NOTE: This item display, but not use.
ICC warning lamp [OFF/ON]	 NOTE: This item display, but not use.
Stop lamp drive signal [OFF/ON]	Display the Stop lamp request status
Dynamo driving mode [Radar output/Radar output stop]	 NOTE: This item display, but not use.
ePKB active [OFF/ON]	Displays the EPKB active status
Hands off warning [OFF/ON]	Displays the hands off warning status
Emergency display [OFF/ON]	Displays the emergency display status
Emergency alert [OFF/ON]	Displays the emergency alert status
Hazard lamp [OFF/ON]	Displays the blinking status of the hazard lamp when the vehicle is stopped in an emergency during steering wheel assistance function control.

WORK SUPPORT

Work support items	Description
MAC key writing	Write MAC key to around view monitor control unit.
Predictive course line display	Select on/off for predictive course line.
Tire diameter correction	Tire diameter correction can be performed. Refer to Work Procedure .
MOD function	Select ON/OFF for MOD function.  NOTE: After selection, turn OFF the power switch.
Initialize camera image calibration	The calibration can be initialized to factory shipment condition.  NOTE: Calibration of camera image caused by misalignment of the camera installation position is performed.
Fine tuning of Birds-Eye view	The confirmation and adjustment of the difference between each camera can be performed. The fine adjustment function of camera calibration can check and adjust the difference between each camera.

Work support items	Description
Calibrating camera image (front camera)* ¹	Performs the calibration of front camera.  NOTE: Calibration of camera image caused by misalignment of the camera installation position is performed.
Calibrating camera image (rear camera)* ¹	Performs the calibration of rear camera.  NOTE: Calibration of camera image caused by misalignment of the camera installation position is performed.
Calibrating camera image (driver-side camera)* ¹	Performs the calibration of side camera LH. (LHD models) Performs the calibration of side camera RH. (RHD models)  NOTE: Calibration of camera image caused by misalignment of the camera installation position is performed.
Calibrating camera image (passenger-side camera)* ¹	Performs the calibration of side camera RH. (LHD models) Performs the calibration of side camera LH. (RHD models)  NOTE: Calibration of camera image caused by misalignment of the camera installation position is performed.
Calibrating camera image* ²	Performs the calibration
Parameter writing* ³	When replace each camera, it is necessary to write the camera parameters using CONSULT.
FOTA status reset	  NOTE: This item display, but not use.

*1: Without Park Assist

*2: With Park Assist

*3: With ProPILOT assist 2.0

ECU IDENTIFICATION

Around view monitor control unit part number, software version, and hardware version can be identified.

Replace ECU

Writes the vehicle specification when replacing around view monitor control unit.

1. CHECK CONTINUITY CAMERA IMAGE SIGNAL (LVDS) CIRCUIT

1. Turn power switch OFF.
2. Disconnect AV control unit harness connector and around view camera harness connector.
3. Check continuity between AV control unit harness connector and around view camera harness connector.

AV control unit		Around view camera		Continuity
Connector	Terminal	Connector	Terminal	
M57	43	B67	41	Existed
	44		42	

4. Check continuity between AV control unit harness connector and ground.

AV control unit		Ground	Continuity
Connector	Terminal		
M57	43		Not existed

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Repair or replace harness or connector.

1. CHECK FUSE

Check that the following fuse is not blown (open).

Power source	Fuse No.	Capacity
ACC power supply	#53*1	10 A
	#112*2	10 A

*1: Without ProPILOT Assist 2.0

*2:With ProPILOT Assist 2.0

Is the fuse blown (open)?

YES>>

Be sure to eliminate cause of malfunction before installing new fuse.

NO>>

[GO TO 2.](#)

2. CHECK AROUND VIEW MONITOR CONTROL UNIT POWER SUPPLY CIRCUIT

1. Turn power switch ON.
2. Check voltage between around view monitor control unit harness connector and ground.

(+) Around view monitor control unit		(-)	Standard	Reference voltage (Approx.)
Connector	Terminal			
B65	31	Ground	9.5 - 16 V	Battery voltage
	32*			

*:With ProPILOT Assist 2.0

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

Repair the around view monitor control unit power supply circuit.

3. CHECK AROUND VIEW MONITOR CONTROL UNIT GROUND CIRCUIT

1. Turn power switch OFF.
2. Disconnect around view monitor control unit connector.
3. Check for continuity between around view monitor control unit harness connector and ground.

Around view monitor control unit	Ground	Continuity
----------------------------------	--------	------------