

*** * TECHNICAL INFORMATION NOTICE * ***

DATE: November 10, 2021
TO: Mitsubishi Motors US & Puerto Rico Dealer Service and Parts Managers
RE: Lane Camera Calibration Returns Error Code
TIN NO.: TIN-21-54-004

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AFFECTED VEHICLES: 2022 Outlander

PURPOSE:

When performing Lane Camera Calibration, the system may return an error between 0-27. However, the chart in the procedure found in Volume 5, Driver Assistance System (page 401) only lists a total of 12 error codes.

The remaining error codes can be found in the Service Manual > Volume 5 > Driver Assistance System > Front Camera Unit > Reference Value > Values on the Diagnosis Tool (page 353-354) or refer to page 2 of this Technical Information Notice (TIN).

These errors are usually resolved by checking the following:

- Clearing target area of obstacles
- Insuring orientation of targets is exactly as the Service Manual describes
- Headlights are off
- Distance from camera measurement is double checked for accuracy
- Vehicle times out during procedure
- Hood is left in an open position interfering with view of the camera

VALUES ON THE DIAGNOSIS TOOL



NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to M.U.T.-III SE display items.

Monitor item	Condition		Value/Status
AIMING DONE	Ignition switch ON	When the camera aiming is not completed	0
		When the camera aiming is completed	1
AIMING RESULT	Ignition switch ON	When the camera aiming is NG completed	0
		When the camera aiming is normal completed	1
AIM NG REASON	Ignition switch ON	When the camera aiming is normal completed	0
		When the front camera unit has an internal communication error	1
		When the front camera unit has an internal data error	2
		When the front camera unit has a target information error	3
		When the front camera unit has a aiming mode error	4
		When a timeout occurs	5
		When the front camera unit cannot transition to aiming mode	6
		When the front camera unit has a memory writing error	7
		When the condition of the front camera unit installation is not correct	8
		When all correction values are outside the threshold	9
		When NG reason is unknown	16
		When the front camera unit cannot detect the target	18
		When the roll angle is outside the threshold	19
		When the front camera unit cannot calculate the aiming correction values	20
		When the front camera unit cannot read the distance to target board	21
		When the entered "Cl" value is not correct	22
		When the entered "Ts" value is not correct	23
		When the yaw correction values are outside the threshold	24
		When the pitch correction values are outside the threshold	25
		When several targets are detected	26
		When an error is detected during the camera aiming	27
		When NG reason is unknown	255
AIM YAW	Ignition switch ON		0 ± 3.0 deg
AIM ROL	Ignition switch ON		0 ± 3.0 deg
AIM PIT	Ignition switch ON		0 ± 3.0 deg
FCTRY AIM YAW	Ignition switch ON		0 ± 3.0 deg
FCTRY AIM ROL	Ignition switch ON		0 ± 3.0 deg
FCTRY AIM PIT	Ignition switch ON		0 ± 3.0 deg
Configuration result 1	Ignition switch ON	When the configuration is completed	Finished
		When the configuration is not completed	Unok
Configuration status	Ignition switch ON	When the configuration is completed	OK
		When the configuration is not completed	NG1
		When the threshold is out of range	NG2
		When the front camera unit has internal malfunction	NG3
		When the front camera unit has internal malfunction	NG4
		When the front camera unit has communication error	NG5
		When the front camera unit fails to write	NG6

Monitor item	Condition		Value/Status
Heater system	Ignition switch ON		Off
ECU power supply voltage	Ignition switch ON		6.4 – 16 V
Configuration type	Ignition switch ON		Type2
Engine type	Ignition switch ON		Gasoline
Manufacturer	Ignition switch ON		Nissan
Vehicle width	Ignition switch ON		1.84
Transmission type	Ignition switch ON		AT/CVT
ALH	Ignition switch ON	When the ALH system is installed	On
		When the ALH system is not installed	Off
HBA function	Ignition switch ON	When the HBA is ON	On
		When the HBA is OFF	Off
Camera image bottom	Ignition switch ON		24 pixel
Camera height	Ignition switch ON		1,501 mm
Camera distance 1	Ignition switch ON		895 mm
Camera distance 2	Ignition switch ON		943 mm
Camera offset	Ignition switch ON		0 mm
Camera pitch	Ignition switch ON		0.609 deg
Vehicle speed	While driving		Almost the same speed as speedometer indication