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2018 NISSAN Maxima OEM Service and Repair Workshop Manual

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Item	Unit	Description
ProPILOT stop hold status	No request / Active	Displays the activation status of standstill by ProPILOT.
Electric parking brake active request (ProPILOT)	Inactive / Request	Displays the activation request status of electric parking brake function by ADAS control unit 2.
Automatic brake hold active request (ProPILOT)	No request / Request	Displays the activation request status of automatic brake hold by ADAS control unit 2.
e-Pedal hold request	—	Displays but not used.
e-Pedal status 2	—	Displays but not used.
e-Pedal switch 2	—	Displays but not used.
e-Pedal inhibit status (automatic brake hold)	—	Displays but not used.
e-Pedal permit status (automatic brake hold)	—	Displays but not used.
Drive mode selector status	Mode 0 - 30	Displays the select status of drive mode selector function.
User	—	Displays but not used.
Drive Mode Selector	—	Displays but not used.
Engine/Transmission setting	—	Displays but not used.
Steering setting	—	Displays but not used.
4WD setting	—	Displays but not used.
Intelligent trace control/Active trace control setting	Off / On	Displays the setting status of intelligent trace control function.
Intelligent cruise control setting	—	Displays but not used.
Suspension setting	—	Displays but not used.
Intelligent Key link status	—	Displays but not used.
Log-in permission status	—	Displays but not used.
Drive mode selector (UP)	Not operation / Operation	Displays the operation (up) status of drive mode select switch.
Drive mode selector (DOWN)	Not operation / Operation	Displays the operation (down) status of drive mode select switch.
Driver request torque	N · m	Displays the driver request torque.
Slope resistance estimate	N · m	Displays the slope resistance estimate.
Traction motor speed (front)	rpm	Displays the traction motor speed (front).
Traction motor speed (rear)	rpm	Displays the traction motor speed (rear).

Item	Unit	Description
Brake torque (front)	N · m	Displays the average value of the braking torque of front wheels.
Brake torque (rear)	N · m	Displays the average value of the braking torque of rear wheels.
Brake torque (all)	N · m	Displays the average value of the braking torque of all wheels.
Target brake force (all)	N	Displays the target brake force.
Torque control type	1 / 2 / 3	Displays the brake activation status by e-Step function.
Chassis dynamometer mode	Off / On / Temporary prohibit / Prohibit	Displays the chassis dynamometer mode.
Stop lamp ON request (e-Pedal)	No request / Request	Displays the status of stop lamp turn ON request by e-Step function.
e-Pedal warning	No warning / Warning	Displays the e-Step warning status.
Brake force limit torque request	No request / Request	Displays the status of brake force limit request.
Shift position	P / R / N / D / M / Ds / Unknown / B / Not available	Displays the shift position.
Brake torque request (e-Pedal)	N · m	Displays the request value of brake force by e-Step function.
e-Pedal VCM status	Normal / Malfunction	Displays the status of VCM by e-Step function.
e-Pedal switch	Off / On	Displays the e-Step switch status.
e-Pedal status 1	Normal / Malfunction	Displays the e-Step function status.
e-Pedal slope estimate permit	Not permission / Permission	Displays the permission status of slope estimate by e-Step function.
Brake force limit torque	N · m	Displays the brake force limit value.
P range status	—	Displays but not used.
Parking brake malfunction status	Normal / Malfunction	Displays the status of electric parking brake function.
Brake request status (ADAS) 1	No request / Request 1 / Request 2	Displays the status of brake activation command by ADAS control unit 2.
Steering angle request status 2 (ADAS)	No request / Request 1 / Request 2	Displays the status of steering operation command by ADAS control unit 2.
ADAS request status	Normal / Malfunction	Displays the status of ADAS control unit 2.

Item	Unit	Description
Brake request value (ABS)	N · m	Displays the request value for brake activation to the ABS actuator and electric unit (control unit).
Steering angle request value 2 (ADAS)	°	Display the request value of steering operation by ADAS control unit 2.
Steering angle gain 2 (ADAS)	—	Displays the status of steering operation command by ADAS control unit 2.
AVM request status	Off / Acceleration / Stop / Wait / Suspended / Deceleration / Control / Invalid / Malfunction	Displays the status of intelligent cruise control function by around view monitor control unit.
Brake request value (AVM)	N · m	Display the request value of brake activation by around view monitor control unit.
Brake request status (AVM)	No request / Request 1 / Request 2	Display the request status of brake activation by around view monitor control unit.
Steering angle request (AVM)	No request / Request	Display the request status of steering operation by around view monitor control unit.
Steering angle gain (AVM)	—	Display the request status of steering operation by around view control unit.
Steering angle request value (AVM)	°	Display the request value of steering operation by around view monitor control unit.
ProPILOT status (ADAS)	Off / Control 1 / Control 2 / Parking / Malfunction 1 / Malfunction 2 / Malfunction 3 / Malfunction 4	Displays the status of ProPILOT assist 2.0 function by ADAS control unit 2.
ProPILOT status (AVM)	Off / Control 1 / Control 2 / Parking / Malfunction 1 / Malfunction 2 / Malfunction 3 / Malfunction 4	Displays the status of ProPILOT assist 2.0 function by around view monitor control unit.
ProPILOT status (EPS)	Not control / Control	Displays the control status of ProPILOT assist 2.0 function by power steering control module.
ProPILOT status (ABS)	Not control / Control	Displays the control status of ProPILOT assist 2.0 function by ABS actuator and electric unit (control unit).
ProPILOT statue (EPS) 2	Inactive / Active / Temporary malfunction / Malfunction	Displays the control status of ProPILOT assist 2.0 function by power steering control module.
Brake request value (ADAS)	N · m	Display the request value of brake activation by chassis control module.
Brake request status (ADAS) 2	No request / Request / Unavailable	Display the request status of brake activation by chassis

Item	Unit	Description
		control module.
ProPILOT status (chassis control module) 5	No request / ProPILOT active request / Parking assist active request	Displays the control status of ProPILOT assist 2.0 function by chassis control module.
Steering angle request value 2 (EPS)	o	Display the request value of steering activation by chassis control module.
Steering angle gain 2 (EPS)	—	Displays the status of steering operation command by chassis control module.
ProPILOT status (chassis control module) 1	Off / Control 1 / Control 2 / Parking / Malfunction 1 / Malfunction 2 / Malfunction 3 / Malfunction 4	Displays the control status of ProPILOT assist 2.0 function by chassis control module.
ProPILOT status (chassis control module) 2	No request / Request	Displays the command system switching request status of ProPILOT assist 2.0 function by the chassis control module.
ProPILOT status (chassis control module) 3	ADAS / Malfunction (ADAS) / Malfunction (AVM) / Malfunction (ABS/EPS) / Unavailable	Displays the current status of command system of the ProPILOT function by the chassis control module.
ProPILOT status (chassis control module) 4	ADAS / Malfunction (ADAS) / Malfunction (AVM) / Malfunction (ABS/EPS) / Unavailable	Displays the status of command system of the ProPILOT function by the chassis control module.
Intelligent cruise control status (chassis control module) 1	NG / OK / Unavailable	Displays the control status of ProPILOT assist 2.0 function by chassis control module.
Intelligent cruise control status (chassis control module) 2	NG / OK / Unavailable	Displays the control status of ProPILOT assist 2.0 function by chassis control module.
Parking assist status	NG / OK / Unavailable	Displays the control status of parking assist function by chassis control module.
VDC status 1	Normal / Malfunction	Displays the status of VDC function.
VDC status 2	NG / OK	Displays the status of VDC function.
VDC status 3	NG / OK / Impossible	Displays the status of VDC function.

DATA MONITOR



NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Item	Unit	Description
Battery voltage	V	Displays the 12V battery power supply voltage.
Accessory voltage	V	Displays the ACC power supply voltage.
Control module malfunction status	Off / On	Displays the malfunction of chassis control module.
Diag permission condition	Not permission / Permission / Abnormal	Displays the diagnosis status.
Chassis control malfunction display	Off / On	Displays the displayed status of chassis control warning.
Vehicle speed	km/h	Displays the vehicle speed.
Vehicle Speed Body	km/h	Displays the vehicle speed.
Front right wheel speed	rpm	Displays the rotational speed of front RH tire.
Front left wheel speed	rpm	Displays the rotational speed of front LH tire.
Rear right wheel speed	rpm	Displays the rotational speed of front RH tire.
Rear left wheel speed	rpm	Displays the rotational speed of front LH tire.
Steering angle sensor	°	Displays the steering angle.
Yaw rate sensor	deg/s	Displays the yaw rate.
ACCELE PEDAL POSITION	%	Displays the accelerator pedal position.
Pressure sensor	bar	Displays the brake fluid pressure.
Electric throttle control status	—	Displays but not used.
Current shift position	—	Displays the shift position.
Shift position (R)	Not R / R / Abnormal	Displays the shift position (R).
Stop lamp switch	Brake pedal not operation / Brake pedal operation 1 / Brake pedal operation 2 / Abnormal	Displays the brake pedal status.
Brake pedal operation status	No operation / Operation / Abnormal	Displays the brake pedal operation status.
ABS	Inactive / Active	Displays the ABS function status.
ABS malfunction	Off / On	Displays the ABS function malfunction status.
EBD	Inactive / Active	Displays the EBD function status.
TCS	Inactive / Active	Displays the TCS function status.

Item	Unit	Description
TCS malfunction	Off / On	Displays the TCS function malfunction status.
VDC	Inactive / Active	Displays the VDC function status.
VDC malfunction	Off / On	Displays the VDC function malfunction status.
VDC OFF switch status	Off / On	Displays the VDC function OFF setting status.
Firmware Over-The-Air status	Waiting / Receiving / Copying / Checking the vehicle status / Preparing to start / Switching / Rebooting / Checking the version / Configuration is running / Startup complete / Error1 / Canceling / Error2 / During rollback / Rollback complete	Displays the program update status.
Version before update	—	Displays the version before update.
Version after update	—	Displays the updated version.
Internal area 1 program updates counter	—	Displays the number of program updates.
Internal area 2 program updates counter	—	Displays the number of program updates.
Internal area 3 program updates counter	—	Displays the number of program updates.
Internal area 4 program updates counter	—	Displays the number of program updates.
Intelligent cruise control brake active status	Abnormal / Not permission / Permission	Displays the intelligent cruise control brake active status.
Yaw rate (ADAS)	Braking / No braking / Abnormal	Displays the yaw rate status by ADAS function.
ProPILOT park	Braking / No braking / Abnormal	Displays the status of ProPILOT parking.
Command brake torque value (ADAS) 1	N · m	Displays the command value of brake torque (longitudinal direction) by ADAS control unit 2.
Command brake torque value (ADAS) 2	N · m	Displays the command value of brake torque (lateral direction) by ADAS control unit 2.
Command brake torque (HPCM)	N · m	Displays the command value of regenerative brake by VCM.
Driver brake torque request	N · m	Displays the request value of brake torque when the brake pedal is depressed.
Control status (VDC) 1	Impossible / Possible	Displays the control (longitudinal direction) acceptance status of VDC function.

Item	Unit	Description
Control status (VDC) 2	Impossible / Possible	Displays the control (lateral direction) acceptance status of VDC function.
Brake active request (ADAS) 2	Inactive / 1 / 2	Displays the status of brake activation request by ADAS control unit 2.
Brake active request (ADAS) 3	No request / Request	Displays the status of brake activation request by ADAS control unit 2.
Intelligent trace control/Active trace control status 2	Normal / Malfunction	Displays the status of intelligent trace control function.
Intelligent trace control/Active trace control status 3	Normal / Malfunction	Displays the status of intelligent trace control function.
Intelligent trace control/Active trace control status 4	Normal / Malfunction	Displays the status of intelligent trace control function.
Intelligent trace control/Active trace control status 5	Normal / Malfunction	Displays the status of intelligent trace control function.
Intelligent trace control/Active trace control status (brake control) 1	Normal / Malfunction	Displays the status of intelligent trace control function (brake control).
Intelligent trace control/Active trace control status (brake control) 2	Normal / Malfunction	Displays the status of intelligent trace control function (brake control).
Chassis control (ADAS) 1	Normal / Malfunction	Displays the status of chassis control module by ADAS control unit 2.
Chassis control (ADAS) 2	Normal / Malfunction	Displays the status of chassis control module by ADAS control unit 2.
Parking brake operation status	Release / Apply / Abnormal	Displays the electric parking brake system status.
Stop hold (VDC)	Release / Hold / Impossible	Displays the standstill status by ABS actuator and electric unit (control unit).
Front right wheel speed pulse (stop hold)	—	Displays the wheel speed pulse count on hold (front RH)
Front left wheel speed pulse (stop hold)	—	Displays the wheel speed pulse count on hold (front LH)
Rear right wheel speed pulse (stop hold)	—	Displays the wheel speed pulse count on hold (rear RH)
Rear left wheel speed pulse (stop hold)	—	Displays the wheel speed pulse count on hold (rear LH)

Item	Unit	Description
		LH)
Intelligent cruise control status	Off / Operation / Stop / Wait / Suspend / Brake mode / Regulation / Driver override / Malfunction	Displays the status of intelligent cruise control function.
Automatic brake hold warning display request	No request / Request	Displays the status of automatic brake hold warning.
Automatic brake hold select status	OFF mode / AUTO mode	Displays the activation mode status of automatic brake hold function.
Automatic brake hold status 1	Inactive / Active	Displays the status of automatic brake hold function.
Automatic brake hold status 2	Inactive / Active	Displays the status of automatic brake hold function.
Electric parking brake active request (automatic brake hold)	No request / Request	Displays the activation request status of electric parking brake function by chassis control module.
Automatic brake hold stop hold request status 2	NO REQ / REQ	Displays the status of automatic brake hold activation request.
Automatic brake hold status 3	No request / Request	Displays the status of automatic brake hold function.
ProPILOT stop hold status	No request / Active	Displays the activation status of standstill by ProPILOT.
Electric parking brake active request (ProPILOT)	No request / Request	Displays the activation request status of electric parking brake function by ADAS control unit 2.
Automatic brake hold active request (ProPILOT)	No request / Request	Displays the activation request status of automatic brake hold by ADAS control unit 2.
e-Pedal hold request	—	Displays but not used.
e-Pedal status 2	—	Displays but not used.
e-Pedal switch 2	—	Displays but not used.
e-Pedal inhibit status (automatic brake hold)	—	Displays but not used.
e-Pedal permit status (automatic brake hold)	—	Displays but not used.
Automatic brake hold switch 2	No push / Push	Displays the status of automatic brake hold switch.
Automatic brake hold switch indicator 3	Off / On	Displays the status of automatic brake hold switch indicator.

Item	Unit	Description
Drive mode selector status	Mode 0 - 30	Displays the select status of drive mode selector function.
User	—	Displays but not used.
Drive Mode Selector	—	Displays but not used.
Engine/Transmission setting	—	Displays but not used.
Steering setting	—	Displays but not used.
4WD setting	—	Displays but not used.
Intelligent trace control/Active trace control setting	Off / On	Displays the setting status of intelligent cruise control function.
Intelligent cruise control setting	—	Displays but not used.
Intelligent Key link status	—	Displays but not used.
Log-in permission status	—	Displays but not used.
Drive mode selector (UP)	Not operation / Operation	Displays the operation (up) status of drive mode select switch.
Drive mode selector (DOWN)	Not operation / Operation	Displays the operation (down) status of drive mode select switch.
Driver request torque	N · m	Displays the driver request torque.
Slope resistance estimate	N · m	Displays the slope resistance estimate.
Traction motor speed (front)	rpm	Displays the traction motor speed (front).
Traction motor speed (rear)	rpm	Displays the traction motor speed (rear).
Brake torque (front)	N · m	Displays the average value of the braking torque of front wheels.
Brake torque (rear)	N · m	Displays the average value of the braking torque of rear wheels.
Brake torque (all)	N · m	Displays the average value of the braking torque of all wheels.
Target brake force (all)	N	Displays the target brake force.
Torque control type	1 / 2 / 3	Displays the brake activation status by e-Step function.
Chassis dynamometer mode	Off / On / Temporary prohibit / Prohibit	Displays the chassis dynamometer mode.
Stop lamp ON request (e-Pedal)	No request / Request	Displays the status of stop lamp turn ON request by