

## OBD II Pro Plus

### Enhanced Nissan Module List

[Sensors](#) [Commands](#)

#### Supported Systems

CANBCM	CANDifferentialLock	CANLaneDepartureWarning
CANMeterAC	Enhanced4WD	EnhancedABS
EnhancedAutomaticTransmission	EnhancedBCM	EnhancedPowertrainNewEngine1
EnhancedPowertrainNewEngine2		

#### CANBCM Sensors

Accessory On Switch	Air Conditioning Switch	Auto Light Switch
Back Door Switch	Blower Fan Switch	Brake Switch
CDL Lock Switch	CDL Unlock Switch	Door Switch - Driver Side
Door Switch - Passenger Side	Door Switch - Rear Left Side	Door Switch - Rear Right Side
Engine Run	Front Fog Switch	Front Washer Switch
Front Wiper Hi	Front Wiper Interval	Front Wiper Low
Front Wiper Stop	Hazard Switch	Head Lamp Switch 1
Head Lamp Switch 2	Hi Beam Switch	Hood Switch
Ignition On	I-Key Lock	I-Key Panic
I-Key Power Down	I-Key Trunk	I-Key Unlock
Key Cylinder Lock Switch	Key Cylinder Unlock Switch	Key On Switch
Keyless Lock	Keyless Panic	Keyless PBD
Keyless PSD L	Keyless PSD R	Keyless Trunk
Keyless Unlock	Light Switch 1st	Oil Pressure Switch
Passing Switch	PKB Switch	Rear Defogger Switch
Rear Washer Switch	Rear Wiper Interval	Rear Wiper On
Rear Wiper Stop	Rear Wiper Stop 2	Trunk Cylinder Switch
Trunk Open Motor	Turn Signal - Left	Turn Signal - Right

#### CANDifferentialLock Sensors

4W Speed	4W Torque	4WD Mode
ABS On	AWD/4WD	B LSD On
Battery Voltage	DLock Position Switch	DLock Signal

DLock Switch Signal	ECM	Engine Speed
IND Motor	Initial Diagnostic	Primary Voltage
Relay Motor	Relay On	SOL Motor
Throttle Position	VDC/TCS/ABS	Vehicle Speed Sensor - L
Vehicle Speed Sensor - R	Vehicle Speed Sensor - RL	

### CANLaneDepartureWarning Sensors

Aiming Done	Aiming Result	Buzzer Output
Cross Lane - Left-hand	Cross Lane - Right-hand	Factory Aim Pitch
Factory Aim Roll	Factory Aim Yaw	Indicator Lamp
Lane Detect - Left-hand	Lane Detect - Right-hand	LDW Inaccurate
Main Switch	Switch On Lamp	Turn Signal - Left-hand
Turn Signal - Right-hand	Valid Position - Left-hand	Valid Position - Right-hand
Vehicle Speed AT	Vehicle Speed Sensor	Warning Lane Left-hand
Warning Lane Right-hand	X Offset	

### CANMeterAC Sensors

1 Range Indicator	2 Range Indicator	3 Range Indicator
4 Range Indicator	4WD Lock Indicator	4WD Lock Switch
4WD Warning Lamp	ABS Warning Lamp	Air Pressure Warning Lamp
Airbag Warning Lamp	AT Check Warning Lamp	AT M Gear
AT M Indicator	AT P Mode Switch	AT S Mode Switch
AT Shift Down Switch	AT Shift Up Switch	Brake Assistance Warning Lamp
Brake Switch	Brake Warning Lamp	Buzzer
Cruise Indicator	Cruise Warning Lamp	CVT Indicator
D Range Indicator	Distance	Door Warning Lamp
DS Range Indicator	E-4WD Warning Lamp	Engine Coolant Warning Lamp
EPS Warning Lamp	Front Fog Indicator	Fuel Meter
Fuel Warning Lamp	Hi-Beam Indicator	Key G Warning Lamp
Key Knob Warning Lamp	Key R Warning Lamp	L Range Indicator
L/K Mas Warning Lamp	Light Indicator	M Range Switch
N Range Indicator	NM Range Switch	O/D Off Switch
O/D Off Warning Lamp	Oil Warning Lamp	P Range Indicator
PNP N Switch	PNP P Switch	R Range Indicator
Rear Fog Indicator	S Range Indicator	Seat Belt Warning Lamp

Set Indicator	Slip Indicator	Speed Meter
Speed Output	Sport Indicator	ST Shift Down Switch
ST Shift Up Switch	Tachometer	Trunk Warning Lamp
Turn Indicator	VDC/TCS Indicator	Water Temperature Meter

#### **Enhanced4WD Sensors**

4WD Warning Lamp Off	Air Bleed Switch On	Battery Voltage
Deceleration G-Sensor	Engine Speed Signal (RUN)	ETS Actuator Off
ETS Motor Off	ETS Motor Relay Off	ETS Solenoid
Front Left Wheel Sensor	Front Right Wheel Sensor	G-Sensor Voltage
Pressure Switch	Rear Left Wheel Sensor	Rear Right Wheel Sensor
Right Position Signal	Snow Mode Switch	Stop Lamp Switch Off
Throttle Position		

#### **EnhancedABS Sensors**

Actuator Relay	Battery Voltage	Front and Rear G-Sensor
Front Left Input Solenoid	Front Left Output Solenoid	Front Left Wheel Sensor
Front Right Input Solenoid	Front Right Output Solenoid	Front Right Wheel Sensor
Motor Relay	Rear Left Input Solenoid	Rear Left Output Solenoid
Rear Left Wheel Sensor	Rear Right Input Solenoid	Rear Right Output Solenoid
Rear Right Wheel Sensor	Rear Sensor	Reference Sensor
Stop Lamp Switch	Warning Lamp	

#### **EnhancedAutomaticTransmission Sensors**

1st Position Indicator	1st Position Switch	2nd Position Indicator
3rd Position Indicator	4 Low Switch	4th Position Indicator
ABS Switch	Accelerator Position	Accessory OD Cut
Accessory Signal	ASCD - Cruise	ASCD - OD Cut
ATF Pressure Switch 1	ATF Pressure Switch 2	ATF Pressure Switch 3
ATF Pressure Switch 4	ATF Pressure Switch 5	ATF Pressure Switch 6
ATF Temperature 1	ATF Temperature 2	ATF Temperature Sensor 1
ATF Temperature Sensor 2	ATF Warning Lamp	Back-up Lamp
Battery Voltage	Brake Switch	C/V Calibration ID 1
C/V Calibration ID 2	C/V Calibration ID 3	Closed Throttle Position
Coast Judge	D Position Indicator	D/C Solenoid

D/C Solenoid Monitor	Down Switch Lever	Engine Speed
F Carrier Gear Revolutions	F Sun Gear Revolutions	FR/B Solenoid
FR/B Solenoid Monitor	F-Safe Indicator Lamp	Gear
Gear Ratio	HLR/C Solenoid	HLR/C Solenoid Monitor
Hold Switch	I/C Solenoid	I/C Solenoid Monitor
L/P Solenoid Monitor	Line Pressure Solenoid	Manual Gear Position
Manual Mode Indicator	Manual Mode Switch	N Position Indicator
Next Gear Position	Non-Manual Mode Switch	OD Continue Switch
On/Off Solenoid	On/Off Solenoid Monitor	Output Revolutions
P Position Indicator	PNP Switch 1	PNP Switch 2
PNP Switch 3	PNP Switch 4	Power M Lamp
Power Shift Switch	R Position Indicator	Select Lever Position
Shift Down State Switch	Shift Mode	Shift Pattern
Start Relay	Start Relay Monitor	Target Gear Ratio
TC Slip Speed	TCC Solenoid	TCC Solenoid Monitor
TCS Gear Position Keep	TCS Signal 1	TCS Signal 2
Throttle Position	Turbine Revolutions	Unit Calibration ID 1
Unit Calibration ID 2	Unit Calibration ID 3	Up Switch Lever
Vehicle Speed	Vehicle Speed - A/T	Vehicle Speed - Engine
Wide-Open Throttle Position		

### EnhancedBCM Sensors

Accessory On Switch	Alt L Signal	Auto Light Sensor
Auto Light Switch	Back Door Switch	Compressor On Signal
Door Switch - All	Door Switch - Driver	Door Switch - Passenger
Door Switch - Rear	Door Switch - Rear Left	Door Switch - Rear Right
Door Switch All	Engine Status	Fan On Signal
Front Fog Switch	Front Washer Switch	Front Wiper Hi
Front Wiper Interval	Front Wiper Low	Front Wiper Stop
Fuel Lid Open Switch	Hazard Switch	HD/Lamp 1st Switch
Head Lamp Sasher Switch	Head Lamp Switch	Head Lamp Switch 1
Head Lamp Switch 2	Hi Beam Switch	Hood Switch
Ignition On Switch	Ignition Switch	Impact Sensor
Impact Sensor	INT	INT/L Button

Connection		
Key Cylinder Lock Switch	Key Cylinder UnLock Switch	Key Cylinder Unlock Switch
Key On Switch	Keyless Lock	Keyless Unlock
Light Switch 1st	LK Button Signal	Lock Button/Signal
Lock Signal - All	Lock Signal - Driver	Lock Signal - Passenger
Lock Signal - Rear	Lock Signal - Rear Door	Lock Switch - Driver/Passenger
Lock/Unlock Button On	Oil Pressure Switch	Optical Sensor
Panic Button	Passing Switch	PKB Switch
Rear Defroster Switch	Rear Fog Switch	Rear Washer Switch
Rear Wiper Interval	Rear Wiper On	Rear Wiper Stop
Rear Wiper Switch	Reverse Switch CAN	Seat Belt Switch
Start Signal	Theft Cancel Signal	Trunk Button/Signal
Trunk Key Switch	Trunk Open Monitor	Trunk Opener Switch
Turn Signal - Left	Turn Signal - Right	Unlock Button On
Unlock Button Signal	Unlock Button/Signal	Unlock Switch - Driver/Passenger
Vehicle Speed Sensor		

### EnhancedPowertrainNewEngine1 Sensors

A/C Pressure Switch	A/F Alpha Bank 1	A/F Alpha Bank 2
A/F Sensor 1 Bank 1	A/F Sensor 1 Bank 2	A/F Sensor Heater Bank 1
Absolute Pressure	Absolute Throttle Position Sensor	AC Pressure
Accelerator Sensor 1	Accelerator Sensor 2	Air Conditioning Relay
Air Conditioning Signal	Air Pump Control Solenoid Valve	Air Pump Relay
Ambient Temperature Switch	AT OD Cancel	AT OD Monitor
Atmosphere Pressure Sensor	Auxiliary Cont S/V	BARO Sensor Present
Base Fuel Schedule	Battery State Of Charge	Battery Voltage
Brake Switch	Brake Switch 2	Calculated Load Value
CAN Circuit 1	CAN Circuit 2	CAN Circuit 3
CAN Circuit 4	CAN Circuit 5	CAN COMM
CAN Control VC Switch	Cancel Switch	Closed Throttle Position
Closed Throttle Position	Clutch P/P Switch	Coast / Set Switch

Switch		
Cold Start	Coolant Temperature	Cooling Fan
Corrected Idle RPM	Corrected Ignition Timing	Crank Position
Cruise Lamp	Distance Switch	EGR Control Solenoid Valve
EGR Temperature	EGR Volume Control Valve	Engine Mount Travel
Engine Oil Temperature	Engine Speed	EVAP System Pressure
Exhaust Gas Temperature Bank 1	Exhaust Gas Temperature Bank 2	FPCM
FPCM Driver Voltage	FPCM F/P Voltage	FTFMCH Mode
Fuel Control Valve - Cylinder	Fuel Control Valve - Engine	Fuel Injector B1
Fuel Injector B2	Fuel Injector EG Start	Fuel Level
Fuel Pressure - Cylinder	Fuel Pressure - Engine	Fuel Pressure Sensor
Fuel Pump Relay	Fuel Tank Temperature	Fuel Temp - Cylinder
Fuel Temp - Engine	Fuel Temperature	Heated O2 Monitor Sensor 1 Bank 1 Lean
Heated O2 Monitor Sensor 1 Bank 2 Lean	Heated O2 Monitor Sensor 2 Bank 1 Lean	Heated O2 Monitor Sensor 2 Bank 2 Lean
Heated O2 Monitor Sensor 3 Bank 1 Lean	Heated O2 Monitor Sensor 3 Bank 2 Lean	Heated O2 Sensor 1 Bank 1
Heated O2 Sensor 1 Bank 2	Heated O2 Sensor 1 Heater Bank 1	Heated O2 Sensor 1 Heater Bank 2
Heated O2 Sensor 2 Bank 1	Heated O2 Sensor 2 Bank 2	Heated O2 Sensor 2 Heater Bank 1
Heated O2 Sensor 2 Heater Bank 2	Heated O2 Sensor 3 Bank 1	Heated O2 Sensor 3 Bank 2
Heater Fan Switch	I/P Pulley Speed	IACV - Idle Up
IACV-FICD Solenoid Valve	Idle A/V Learn Complete	Idle Air Control Valve - AAC/V
Idle Long Fuel Trim	Ignition Switch	Ignition Timing
Ignition Timing Cylinder #1	Ignition Timing Cylinder #2	Ignition Timing Cylinder #3
Ignition Timing Cylinder #4	Injector Pulse Bank 1	Injector Pulse Bank 2
Intake Air Temperature	Intake Valve Solenoid Bank 1	Intake Valve Solenoid Bank 2
Intake Valve Timing Bank 1	Intake Valve Timing Bank 2	Lo Speed Cut
Load Signal	Long Term Fuel Trim	Main Switch
MAP Sensor	MAS A/F Sensor Bank 1	Mass Air Flow

Mass Air Flow B1	Mass Air Flow B2	Mass Airflow
OD Cancel Solenoid Valve	OD Switch	P/N Position Switch
POS Count	Power Steering Signal	Purge Control Solenoid Valve
Purge Regulator Control Valve	Purge Volume Control Valve	Radiator Temperature
Resume / Accelerate	SCB/V Control Solenoid Valve	Set Lamp
Short Fuel Trim	Start Signal	SWIRL Control VC Switch
SWIRL Controller Solenoid Valve	SWL C/V Bank 1	SWL/C Position 1
Target Fan RPM	TCC Solenoid Valve	TCC Switch
Throttle Position	Throttle Position	Throttle Position Sensor 2
Throttle Relay	Throttle Sensor 1	Throttle Sensor 2
TK_MM VTC Duty Exhaust Bank 1	TK_MM VTC Duty Exhaust Bank 2	TK_MM VTC Duty Intake Bank 1
TK_MM VTC Duty Intake Bank 2	Travel After MIL	Turbo Boost
Vacuum Sensor 1	Vacuum Sensor 2	VARI Duct Solenoid Valve
VARI Resolution Solenoid Valve	VC/V Bypass Vent	Vehicle Speed
Vehicle Speed Cut	Vent Control Valve	VIAS Solenoid Valve
VT Cont Learn	VVL Solenoid Valve	VVL Solenoid Valve - Exhaust
VVL Solenoid Valve - Intake	Wastegate Solenoid Valve Bank 1	Wastegate Solenoid Valve Bank 2

### **EnhancedPowertrainNewEngine2 Sensors**

4 Gear Switch	5 Gear Switch	A/C EVAP Temperature Sensor
Accelerator Position Sensor	Accelerator Switch	Actual CR Pressure
Actual Injector Quantity	Actual Intake Timing	Air Conditioning Signal
Ambient Temperature Switch	BARO Sensor	Battery Voltage
Brake Switch	Brake Switch 2	C/SLEEV Position Voltage
CAM Position Pump	Coolant Temperature	Cooling Fan
Cooling Fan High	Cooling Fan Medium	Crank Position (TDC)
Cylinder Count	Decelerator Fuel Cut	EGR Volume Control Voltage

EGRC Solenoid Valve A	EGRC Solenoid Valve B	Engine Mount Travel
Exhaust Gas AS Regulator Voltage	Exhaust Shut Switch	F/Drive Temperature
Fuel Consumption	Fuel Cut Signal	Fuel Cut Solenoid Valve
Fuel Injector N/L	Fuel Pump Relay	Fuel Tank Switch
Fuel Temperature Sensor	Full Accelerator Sensor	Glow Relay
Heater Fan Switch	I/C Cool T Sensor	I/C Fan Relay
I/C Intake Air Temperature Sensor	I/C Level Switch	I/C Pump Relay
Ignition Switch	Injector Timing C Voltage	Int/M Pressure Sensor
Intake Air Volume	Load Signal	Mass Air Flow Sensor
Multi AV Signal	Off Accelerator Switch	P/N Position Switch
Power Steering Switch	Rear A/C Relay	Reverse Switch
Snow Mode Signal	SPILL Voltage	Start Signal
SWIRL Control Solenoid Valve 1	SWIRL Control Solenoid Valve 2	SWIRL Control Valve Switch
SWIRL Control Valve Switch Open	Target CR Pressure	Target F Injector
Target Injector Timing	TC V/N Controller Voltage	TDC Count
Throttle Relay A	Throttle Relay B	Trans Range Switch
Travel After MIL	Turbo Boost Sensor	Vehicle Speed
Warm Up Switch		

### EnhancedABS Active Commands

Front Left Solenoid	Rear Right Solenoid	Rear Left Solenoid
ABS Motor	Rear Solenoid	

### EnhancedPowertrainNewEngine1 Active Commands

Engine Coolant Temperature	Fuel Injection	Ignition Timing
Idle Target RPM	IACV-AAC Valve Duty Cycle	IACV-AAC Valve Step
Turbo Charge Pressure	Purge Vent Control Valve	Fuel Tank Temperature Sensor
EGR Volume Control Valve	Power Balance	C-VTC Target Angle
E-VTC Target Angle	EGR Control Solenoid Valve	Inter Cooler Pump Relay

## EnhancedPowertrainNewEngine2 Active Commands

### Engine Mounting

## EnhancedPowertrainNewEngine1 Active Commands

SWIRL Control Solenoid Valve 2	MAP/BARO Switch	Throttle Control Solenoid Valve A
Throttle Control Solenoid Valve B	EGRC Solenoid Valve A	EGRC Solenoid Valve B
Glow Relay	EVAP Leak Test	Fuel Pump Relay
Purge Control Solenoid Valve	SWIRL Control Solenoid Valve	Valve Timing Solenoid
VIAS Solenoid	Relay Radiator Fan	Canister Drain Cut Valve
Third O2S	Vent Control Valve Bypass	EVAP Leak (Mode 8)
Air Pump Relay	Secondary Air Cut Solenoid	VVL Solenoid Intake
VVL Solenoid Exhaust	Air Conditioning Relay	Variable Duct Solenoid
VVL Intake and Exhaust Solenoid	Engine Coolant Temperature	Fuel Injection
Ignition Timing	IACV-AAC Valve Opening	Purge Control Solenoid Valve

## EnhancedBCM Active Commands

Key Reminder Warning	Fuel Lid Open	Reverse Warning
Trunk/Back Door	Oil Pressure Switch	IMMU Power
Security Indicator	IMMU Antenna	Flasher Right
Flasher Left	Flasher Right (CAN)	Flasher Left (CAN)
Front Wiper Hi	Front Wiper Low	Front Wiper Intermittent
Rear Wiper	Head Lamp Washer	Tail Lamp
Head Lamp Low	Head Lamp Hi	Front Fog Lamp
Rear Fog Lamp	Illuminated Dim Signal	Illuminated Dim Signal (CAN)
DTRL	INT Lamp	Ignition Illumination
Trunk/Back Door	Horn	Head Lamp Hi
Power Window Down	Flasher Right	Flasher Left
Flasher Right (CAN)	Flasher Left (CAN)	Retained Power
Retained Power (Ignition)	Theft Indicator	Horn
Head Lamp	Battery Saver	INT Lamp

Ignition Lamp	Chime	Rear Defogger
All Door Lock Motor	Driver Door Unlock Motor	Passenger Door Unlock
Passenger Door Lock	Driver Door Lock Motor	All Door Unlock Motor
Door Lock Output Signal	Door Unlock Output Signal	

### CANLaneDepartureWarning Active Commands

Buzz Drive	System On Lamp Drive	Indicator Lamp Drive
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### Enhanced4WD Active Commands

ETS Solenoid Valve
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### CANBCM Active Commands

Door Lock Test	Rear Defogger	Seat Belt Warning Test
Light Warning Alarm	Ignition Key Warning Alarm	Ignition Illumination
Interior Lamp	Step Lamp Test	Luggage Lamp Test
Power Window Down	Flasher	Horn Chirp Test
Door Lock	Trunk/Back Door	PSD PBD Open
Tail Lamp	Head Lamp	Front Fog Lamp
Daytime Running Light	Cargo Lamp	Corning Lamp
Front Wiper	Rear Wiper	Rise Up Wiper Test
Flasher	Theft Indicator	Battery Saver Test
Trunk/Back Door	Theft Indicator	Vehicle Security Horn Test
Head Lamp	Retained Power	Oil Pressure Switch
Fuel Fill Lid Open	TPMS Warning Lamp	ID Registration Warning
Flat Tire Warning	Flasher	Head Lamp
Panic Alarm		