

# UD V13.51 Function List

**Note:**

✓ Functions marked with ✓ is fully supported.

System	ECU Info	Read Fault Code	Clear Fault Code	Live Data	Active Test	Special Func
Nissan UD system(2004~)\Nissan UD engine system	✓	✓	✓	✓	A0001, A0002, A0003, A0004, A0005, A0006, A0007, A0008, A0009, A0100, A0101, A0102, A0103, A0104, A0105, A0106, A0107, A0108, A0109, A0110, A0111, A0018, A0057, A0058, A0059, A0060, A0061, A0062, A0063, A0064, A0065, A0066, A0067, A0068, A0069, A0070, A0071, A0072	S0003, S0001, S0002, S0008, S0009, S0006, S0007, S0019, S0020, S0012, S0013, S0014, S0015, S0016, S0017, S0018, S0004, S0030, S0031, S0032, S0033,
Nissan UD system(2004~)\ESCOT	✓	✓	✓	✓	A0018, A0057, A0058, A0059, A0060, A0061, A0062, A0063, A0064, A0065, A0066, A0067, A0068, A0069, A0070, A0071, A0072	S0001, S0003, S0009, S0010, S0011, S0012, S0013
Nissan UD system(2004~)\UDS	✓	✓	✓	✓	A0014, A0010, A0011, A0006, A0007, A0616, A0617, A0038, A0039, A0040, A0041, A0042, A0043, A0044, A0045, A0013, A0001, A0002, A0003, A0004, A0005,	S0046, S0047, S0048, S0049, S0050, S0051, S0052, S0053, S0054, S0055, S0056, S0057, S0058, S0003, S0007, S0008, S0045, S0001, S0002, S0004, S0005,
Nissan UD system(2004~)\Chassis ESC (with EBS)	✓	✓	✓	✓	A0010, A0011, A0012, A0013, A0014, A0130, A0131, A0132, A0133, A0134, A0135, A0136, A0497	S0001, S0003, S0004, S0007, S0015, S0017
Nissan UD system(2004~)\ABS/ASR	✓	✓	✓	✓	A0503, A0504, A0505, A0506, A0507, A0508, A0509, A0510	S0001, S0018, S0016
Nissan UD system(2004~)\Wabco ABS	✓	✓	✓	✓	A0004, A0005, A0006, A0007, A0008, A0009, A0010, A0073, A0074, A0075, A0076, A0077, A0078, A0079, A0080, A0081, A0082, A0083, A0084	S0001, S0010, S0011
Nissan UD system(2004~)\SRS Airbag	✓	✓	✓	✓	A0003, A0004, A0005, A0011, A0012, A0013, A0014, A0009, A0015	S0001
UD2004 and Earlier\Engine System\Engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
UD2004 and Earlier\Engine System\MD9M	✓	✓	✓	✓	A0013, A0014, A0010, A0039, A0040, A0041, A0042, A0043, A0044, A0045, A0046, A0047, A0048, A0049, A0050, A0051, A0052, A0053, A0054, A0055, A0056,	S0006, S0019, S0021
UD2004 and Earlier\RGS engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
UD2004 and Earlier\RHS engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
UD2004 and Earlier\RF8 engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
UD2004 and Earlier\GE13 (KWP) engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
UD2004 and Earlier\MD92 (KWP) engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
UD2004 and Earlier\ESCOT	✓	✓	✓	✓	A0018, A0057, A0058, A0059, A0060, A0061, A0062, A0063, A0064, A0065, A0066, A0067, A0068, A0069, A0070, A0071, A0072	S0001, S0003, S0009, S0010, S0011, S0012, S0013
UD2004 and Earlier\Chassis ESC (with EBS)	✓	✓	✓	✓	A0014, A0015, A0010, A0130, A0131, A0132, A0133, A0134, A0135, A0136, A0011, A0137, A0138, A0104, A0139, A0140, A0141, A0127, A0142, A0143, A0144,	S0030, S0031, S0032, S0033, S0004, S0006, S0007, S0008, S0009, S0010, S0011, S0001, S0012, S0013, S0005, S0003
UD2004 and Earlier\ABS/ASR	✓	✓	✓	✓	A0503, A0504, A0505, A0506, A0507, A0508, A0509, A0510	S0001, S0018, S0016
UD2004 and Earlier\Wabco ABS	✓	✓	✓	✓	A0004, A0005, A0006, A0007, A0008, A0009, A0010, A0073, A0074, A0075, A0076, A0077, A0078, A0079, A0080, A0081, A0082, A0083, A0084	S0001, S0010, S0011
UD2004 and Earlier\SRS Airbag	✓	✓	✓	✓	A0003, A0004, A0005, A0011, A0012, A0013, A0014, A0009, A0015	S0001
UD2004 and Earlier\Retarder	✓	✓	✓	✓	A0013, A0014, A0010, A0016, A0001, A0002, A0003, A0004, A0005, A0324, A0325, A0326, A0327, A0328, A0329, A0330, A0331, A0332, A0333, A0334, A0335,	S0001, S0002, S0004, S0005, S0020, S0003, S0019
Medium Truck\Hino engine	✓	✓	✓	✓	A0010, A0011, A0013, A0014, A0006, A0007, A0616, A0617, A0001, A0002, A0003, A0004, A0005, A0006, A0007, A0008, A0009, A0010, A0011, A0012, A0013,	S0003, S0045, S0046, S0047, S0048, S0049, S0050, S0051, S0052, S0053, S0054, S0055, S0056, S0057, S0058, S0001, S0002, S0003, S0004, S0005, S0006
Medium Truck\FE6 engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
Medium Truck\MD92 (KWP) engine	✓	✓	✓	✓	A0013, A0029, A0030, A0159, A0016, A0017, A0018, A0019, A0020, A0021, A0022, A0023, A0024, A0025, A0014, A0296, A0297, A0298, A0299, A0300, A0301,	S0003
Medium Truck\AT	✓	✓	✓	✓	A0618, A0619, A0620, A0621	
Medium Truck\ABS/ASR	✓	✓	✓	✓	A0503, A0504, A0505, A0506, A0507, A0508, A0509, A0510	S0001, S0018, S0016
Medium Truck\Wabco ABS	✓	✓	✓	✓	A0004, A0005, A0006, A0007, A0008, A0009, A0010, A0073, A0074, A0075, A0076, A0077, A0078, A0079, A0080, A0081, A0082, A0083, A0084	S0001, S0010, S0011
Medium Truck\Smoother	✓	✓	✓	✓	A0632, A0633, A0634, A0635, A0636, A0637, A0638	
Medium Truck\HAS/CFS	✓	✓	✓	✓		S0021, S0022, S0023, S0024
Medium Truck\BCM	✓	✓	✓	✓	A0010, A0011, A0013, A0014, A0498, A0499, A0500, A0501, A0502	S0003, S0014, S0015
Medium Truck\Immobilizer	✓	✓	✓	✓	A0060, A0061, A0062, A0063, A0064, A0065, A0066, A0067, A0068, A0069, A0056, A0057, A0039, A0070, A0071, A0072, A0495	S0021
Medium Truck\BCM (MIMAMORI)	✓	✓	✓	✓	A0073	S0016
Medium Truck\VIM (Vehicle Interface Module)	✓	✓	✓	✓	A0013, A0014, A0015, A0074, A0073, A0075, A0010, A0160, A0161, A0162, A0163, A0164, A0029, A0030, A0031, A0032, A0033, A0034, A0035, A0036, A0037,	S0003, S0004, S0017, S0018, S0005
Volvo Engine	✓	✓	✓	✓	Please refer to VOLVO Function List	

Service\DPF (Diesel Particulate Filter)	✓	✓	✓	✓	A0026	S0012, S0013, S0014, S0015, S0016, S0017, S0018, S0019
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Special Function Table	
S0001	System Protection Data
S0002	Learned value
S0003	Check functions
S0004	Manufacturer Setting Items
S0005	Customization
S0006	Injector data
S0007	Commissioning
S0008	Dosing Valve Check
S0009	Shift Lever Sensor Check
S0010	Clutch Pedal Switch Check 1
S0011	Clutch Pedal Switch Check 2
S0012	Clutch Stroke Sensor Check 1
S0013	Clutch Stroke Sensor Check 2
S0014	Hour Meter Information Clear
S0015	Fuel Data Display Clear
S0016	MIMAMORI All Data Clear
S0017	Engine Start Number/Write(When replacing ECU)
S0018	Engine Start Number/Write(When replacing Status)
S0019	DPF Check
S0020	ECU Restart
S0021	Gear Shift, Select Stroke Learn
S0022	Free Clutch Torque Point Position Learn 1
S0023	Free Clutch Torque Point Position Learn 2
S0024	Start position Learn for new clutch disk

Active Test Table	
A0001	Common rail pressure
A0002	1- cylinder shut-off
A0003	2- cylinder shut-off
A0004	3- cylinder shut-off
A0005	4- cylinder shut-off
A0006	5- cylinder shut-off
A0007	6- cylinder shut-off
A0008	VNT opening
A0009	VNT position
A0010	Target VNT position
A0011	Fuel leak check
A0012	EGR opening
A0013	EGR valve position
A0014	Location of the target EGR
A0015	Target speed
A0016	Target engine speed
A0017	Intake throttle opening
A0018	Target intake throttle position
A0019	Exhaust brake valve forces the driver
A0020	Exhaust brake valve
A0021	Engine stop positive drive
A0022	Engine stop switch
A0023	Strong production dynamic warm-up device
A0024	Pre-heater
A0025	Target fuel pressure
A0026	EGR cooler bypass valve output test
A0027	Air Conditioning Compressor Signal Test
A0028	Close rail pressure fluctuation Amendment
A0029	Engine Speed Test command
A0030	Preheating indicator test
A0031	Preheating control test
A0032	Rail pressure setting replacing value of diagnostic instrument
A0033	Idle set value of diagnostic instrument
A0034	Close Injector Signal Test
A0035	Compression test
A0036	Accelerator test
A0037	High voltage test
A0038	Air Valve test
A0039	Dosing valve test
A0040	UDS warning lamp test
A0041	Internal tube heater test
A0042	Backflow tube heater test
A0043	Suction tube heater test
A0044	Pressure tube heater test
A0045	Tank heater valve test
A0046	Warning Lamp
A0047	Pump Motor Relay
A0048	EV Front Left
A0049	AV Front Left
A0050	EV Front Right
A0051	AV Front Right
A0052	EV Rear Left
A0053	AV Rear Left
A0054	EV Rear Right
A0055	AV Rear Right
A0056	Exhaust Brake Cut

A0057	Gear-select 1st line
A0058	Gear-select 2nd line
A0059	Gear-select 3rd line
A0060	Gear-select 4th line
A0061	Gear-shift direction Fr side
A0062	Gear off N(neutral)
A0063	Gear-shift direction Rr side
A0064	Range High to Low
A0065	Range Low to High
A0066	Splitter High to Low
A0067	Splitter Low to High
A0068	Clutch M/V - Pattern Operation
A0069	Clutch Control M/V:CL1
A0070	Clutch Control M/V:CL2
A0071	Clutch Control M/V:CL3
A0072	ECU communication
A0073	Desired Pressure FA Right
A0074	Desired Pressure FA Left
A0075	Sw Off Redundancy Valve RA
A0076	ASR Cut Off
A0077	Pressure Set Front Axle
A0078	Pressure Set TCV
A0079	Pressure Set Drive Axle
A0080	RA Bleed Drive Axle
A0081	Red Failure Lamp
A0082	Amber Warning Lamp
A0083	ASR Lamp
A0084	Lining Wear Lamp
A0085	RL ABS S/V(Raising Pressure)
A0086	RL ABS S/V(Retention)
A0087	RL ABS S/V(Decompression)
A0088	ABS Motor Relay
A0089	Front ABS S/V(Raising Pressure)
A0090	Front ABS S/V(Retention)
A0091	Front ABS S/V(Decompression)