

# **N NEXPEAK K1 INFINITI Function List V18.3**

Notes:

√ :Functions is fully supported and already existed in former software version.

※: Functions is fully supported and newly added in current software version.

## Vehicle models covered

Model	Year
Fuga hybrid	2011-2017
INFINITI ESQ	2014-2017
Infiniti EX25	2009-2014
Infiniti EX35	2007-2014
Infiniti EX35(DOM)	2009-2014
Infiniti EX35/EX30d	2009-2013
Infiniti EX37	2009-2013
Infiniti FX35/FX45	2003-2008
Infiniti FX35/FX50	2009-2013
Infiniti FX37	2012-2014
Infiniti FX37/FX50/FX30d	2009-2013
Infiniti G20	1999-2004
Infiniti G25/G37 Sedan	2009-2012
Infiniti G35 Coupe	2003-2007
Infiniti G35 sedan	2003-2008
Infiniti G37 Convertible	2009-2014
Infiniti G37 CouPe	2008-2013
Infiniti G37 Sedan	2008-2013
Infiniti I30	1996-2004
Infiniti JX35	2012-2013
Infiniti M25/M37	2010-2013
Infiniti M35/M45	2005-2010
Infiniti M37/M56	2010-2014
INFINITI Q30	2015-2017
Infiniti Q45	1995-2006
Infiniti Q50	2013-2017
Infiniti Q50 Hybrid	2013-2017
Infiniti Q60	2016-2017
Infiniti Q60 convertible	2013-2016
Infiniti Q60 coupe	2013-2016
Infiniti Q70	2013-2016
Infiniti Q70 Hybrid	2013-2016
Infiniti QX4	1997-2000
Infiniti QX50	2013-2017
Infiniti QX56	2004-2014
Infiniti QX60	2013-2016
Infiniti QX60 hybrid	2013-2016
Infiniti QX70	2013-2017

## Vehicle systems covered

System	Ecu Info.	Read Codes	Erase Codes	Live data	Active Test	Special Func.
4WAS(front)	√	√	√	√	√	√
4WAS(MAIN)/RAS/HICAS	√	√	√	√	√	√
ABS	√	√	√	√	√	√
Accele pedal ACT	√	√	√	√	√	√
Adaptive light	√	√	√	√	√	√
ADCM	√	√	√	√	√	√
Air bag	√	√	√	√	√	√
Air levelizer	√	√	√	√	√	√
Air pressure monitor	√	√	√	√	√	√
All mode AWD/4WD	√	√	√	√	√	√

ANC	√	√	√	√	√	√
Auto back door	√	√	√	√	√	√
Auto drive position	√	√	√	√	√	√
Auto slide door	√	√	√	√	√	√
Auto slide door right	√	√	√	√	√	√
AVM	√	√	√	√	√	√
BAC	√	√	√	√	√	√
BCM	√	√	√	√	√	√
Brake	√	√	√	√	√	√
BSW/buzzer	√	√	√	√	√	√
CAN gateway	√	√	√	√	√	√
CHA	√	√	√	√	√	√
Charger/PD module	√	√	√	√	√	√
Chassis control	√	√	√	√	√	√
CIU	√	√	√	√	√	√
Cluster	√	√	√	√	√	√
Convertible roof	√	√	√	√	√	√
DAST 1	√	√	√	√	√	√
DAST 2	√	√	√	√	√	√
Difference lock	√	√	√	√	√	√
DIU	√	√	√	√	√	√
E-4wd	√	√	√	√	√	√
EHS/PKB	√	√	√	√	√	√
EMCM	√	√	√	√	√	√
Engine	√	√	√	√	√	√
EPS/DAST 3	√	√	√	√	√	√
E-SUS	√	√	√	√	√	√
EV/HEV	√	√	√	√	√	√
FSCM	√	√	√	√	√	√
HANDS FREE MODULE	√	√	√	√	√	√
HAS	√	√	√	√	√	√
Head lamp levelizer	√	√	√	√	√	√
HIGH BEAM ASSIST	√	√	√	√	√	√
HV battery	√	√	√	√	√	√
HVAC	√	√	√	√	√	√
ICC/ADAS	√	√	√	√	√	√
Intelligent key	√	√	√	√	√	√
IPDM E/R	√	√	√	√	√	√
Lane camera	√	√	√	√	√	√
Laser/radar	√	√	√	√	√	√
Meter/M&A	√	√	√	√	√	√
MM conn	√	√	√	√	√	√
Motor assist	√	√	√	√	√	√
Motor control	√	√	√	√	√	√
Multi AV	√	√	√	√	√	√
Multi display	√	√	√	√	√	√
Nats immu	√	√	√	√	√	√
Occupant detection	√	√	√	√	√	√
PMAS	√	√	√	√	√	√
Pop up hood	√	√	√	√	√	√
Preocrash seatbelt	√	√	√	√	√	√
PTC heater	√	√	√	√	√	√
Radio	√	√	√	√	√	√
Rearview camera	√	√	√	√	√	√
S/blind camera	√	√	√	√	√	√
Shift	√	√	√	√	√	√
Side radar left	√	√	√	√	√	√
Side radar right	√	√	√	√	√	√
Smart entrance	√	√	√	√	√	√
Sonar	√	√	√	√	√	√
SUB meter	√	√	√	√	√	√
SVT	√	√	√	√	√	√
Telematics	√	√	√	√	√	√
Transmission	√	√	√	√	√	√
VSP	√			√	√	√

## Vehicle Special Function covered

### Special Function

ACCELERATION SENSOR
ACCUMULATOR PRESSURE DECREASES
ACT OR DEACT ROLLER BENCH TEST MODE
ACTIVATE EVAP SYSTEM
ADAPTIVES AFTER REGENERATING PF
Adaptives after replacing cabin filter
ADAPTIVES ON AIR INTAKE FLAP MALFUNCTION
Adaptives on etc actuator malfunction
ADJ GUIDELINE PATTERN[X POS.]
ADJ GUIDELINE PATTERN[Y POS.]
ADJUST HEIGHT INI
AFTER CAMSHAFT POS SENSOR REPLACEMENT
AFTER CLUCH PEDAL SWITCH REPLACEMENT
AFTER CRANKSHAFT POS SENSOR REPLACEMENT
AFTER DPF REGENERATION
AFTER DPF REPLACEMENT
AFTER FUEL INJECTOR REPLACEMENT
AFTER FUEL RAIL PRESSURE SENSOR REPLACEMENT
AFTER HIGH PRESSURE FUEL PUMP REPLACEMENT
After p/filter regen with diag tool
After particle filter regeneration with the diag tool.
AFTER PRESSURE LINE REPLACEMENT
After replacement of the p/filter
After replacement of the particle filter
AFTER TC SOLENOID VALVE REPLACEMENT
AFTER TURBOCHARGER REPLACEMENT
AFTR ELECTRIC THRRTL CNTRL ACTUATOR RPLCMNT
AIR BLEEDING
AIR DAMPER VALVE PROGRAMMING
AIR DAMPER VALVE PROGRAMMING(R044)
AIR DAMPER VALVE PROGRAMMING(R088)
AIR FLOW METER PROGRAMMING
AIR FLOW REDUCTION SETTING
AIR FLOWMETER PROGRAMMING
AIR FUEL RATIO SENSOR
AIR INLET CHANGE SETTING
AIR PATH PROGRAMMING
Alcohol level prog.
ALTERNATOR SETPOINT VOLTAGE
ANALOGIC DISPLAY FUEL GAUGE CALIBRATION
ANSWER BACK FUNCTION
Answer back with i-key lock
Answer back with i-key Unlock
AUTO RElock TIMER
AUTO-ADAPTIVES
AVERAGE AIR TEMPERATURE
Backup of instrument panel data for injection
BATTERY CORROSION COUNTER
BATTERY CYCLE COUNTER
BATTERY CYCLE COUNTER ESTIMATED
BATTERY CYCLE COUNTER MEMORISED
Battery gradual cap loss data clear
Bld hyd unit brk circ
Bleed hydraulic unit and braking circuits
BLOW SET
BRAKE OPERATION
Brake PRESSURE OFFSET SENSOR
BRAKE RELEASE
BREAKING IN OF REFRIGERANT COMPRESSOR
CALCULATE BATTERY WEAR COUNTERS(R011)
CALCULATE BATTERY WEAR COUNTERS(S006)

CALIB DATA
CALIBRATE ALL
Calibration of EPS torque sensor
CAMSHAFT REFERENCE ADAPTATION
CAMSHAFT SENSOR PROGRAMMING
CARAVAN TOWING DISTANCE
CATALYTIC CONVERTER
CC/SL PRGRM
CHARGE CURRENT LIMITATION HISTORY
CHECKING A KEY
CLEAN SW SET
CLEAR HEIGHT INI
CLTH INI CLOSE POS
CLUTCH PEDAL END STROKE
Clutch Point
CLUTCH POINT LEARNING
CLUTCH SENSOR RESET
CML B/DCHRG CRNT CLEAR
Commercial VHCL idle SPD mod
COMPUTER CALIBRATION
COMPUTER INITIALISATION
COMPUTER REINITIALISATION
CONFIRM KEY FOB ID
CONFORM CVTF DETERIORTN
Control deviation charge air system
CORROSION BATTERY COUNTER ESTIMATED
CORROSION BATTERY COUNTER MEMORISED
CYLINDER 1 INJECTOR CODE
CYLINDER 2 INJECTOR CODE
CYLINDER 3 INJECTOR CODE
CYLINDER 4 INJECTOR CODE
DAST CALIBRATION (MODE1)
DAST CALIBRATION (MODE2)
DATA CLEAR FOR REPLACING CPU A
DATA CLEAR FOR REPLACING CPU B
DECEL G SEN CALIBRATION
DECREMENT IDLE SPEED
DIFF EVH PRES. SEN
Door motor starting position reset
DOOR OPENING RETRACT RETRY
DPF DATA CLEAR
DPF REGENERATION
DPF RELATIVE PRESSURE SENSOR
E/O CC/SL PRGRM
ECO MODE RESET FUNCTION
ECU MEMORY
EEPROM CLEAR CONFIRM
EGR ADAPTIVES
EGR BYPASS PROGRAMMING
EGR control valve closed position learning
EGR PROGRAMMING
EGR VALVE
EGR VALVE PROGRAMMING
EGR/V LEARN CLR
ELECTRIC O.P. AIR BLEEDING
ELECTRIC O.P.AIR BLEEDING
ELECTRICAL CONTACT ACTUATORS/BRAKE CLEARANCE SETTING
ENGINE ADAPTIVES
ENGINE Brake ADJ.
ENGINE COOLANT BYPASS VALVE
ENGINE START BY I-KEY
ERASE CALIBRATION DATA
ERASE COMPUTER MEMORY
ERASE LEARNING VALUE
ERASE MEMORY DATA

ERASE OVERHEAT COUNTER
ERS INCRRECT CRNKNG CNTR
ESP A-RECEN THRSH
ESP SENSOR PROGRAMMING
Evh fuel inj data clear
EVHAUST AIR FLAP PROGRAMMING
EVHAUST FLAP LOW SETTING
EVHAUST FUEL INJECTOR CIRCUIT
EVHAUST THROTTLE VALVE PROGRAMMING
FAST IDLE SPEED MODIFICATION
FAULT MEMORY
FINISH BRAKE PAD REPLACEMENT
FLIPPER DOOR
FLYWHEEL TARGET PROGRAMMING (R061)
FLYWHEEL TARGET PROGRAMMING (R065)
FLYWHEEL TARGET PROGRAMMING (R102)
FLYWHEEL TARGET PROGRAMMING (R103)
FLYWHEEL TARGET PROGRAMMING (R104)
FLYWHEEL TARGET PROGRAMMING (R105)
FLYWHEEL TARGET PROGRAMMING (R106)
FLYWHL TGT PG
FRE MEMORY SET
FRONT OR REAR SENSOR LOCALIZATION WAS UNSUCCESSFUL
FUEL GAUGE CALIBRATION
FUEL METER DIAGNOSIS(ANALOG POINTER)
FUEL PRESSURE RELEASE
FUEL PUMP PROGRAMMING
FUEL RAIL PRESS LIMITING INJCTN COUNTR CLEAR
FUEL RAIL PRESSURE TEST
FUEL SPLY PREV
FWD CLUTCH POINT LEARNING
G SENSOR CALIBRATION
GAS SENSOR ADJUSTMENT
H/p fuel pump initial starts counter reset
H/P FUEL PUMP TOTAL STARTS COUNTER CLEAR
H/p fuel pump total starts counter reset
HANDS-FREE CARD READING
HAZARD ANSWER BACK
High pressure fuel circuit fault finding
HIGH PRESSURE PUMP COUNTER
HIGH PRESSURE PUMP COUNTER (V344)
HIGH PRESSURE TURBINE BYPASS SOLENOID VALVE
HILL START
HP TURBINE BYPASS SOL VLV PROGRAMMING
ID REGIST
INCREMENT IDLE SPEED
INCREMENT OF IDLE SPD
INHIBIT EVAP SYSTEM
INITIALIZATION
INITIALIZATION POSITION ADJUSTMENT
INITIALIZE CAMERA IMAGE CALIBRATION
INJECTION PUMP ADAPTATIVES
INJECTION PUMP ADAPTATIVES (R077)
INJECTOR ADAPTIVES
INLET FLAP
KEYLESS FUNCTION
LCD DISPLAY FUEL GAUGE CALIBRATION
LEARNING
LEVELIZER ADJUSTMENT
lock COMPUTER
lock INJECTOR CONTROL
lock INJECTOR CTRL
LOCK SLEEVE SENSOR INITIALIZATION
LOCK SLEEVE SENSOR LEARNING
lock/Unlock BY I-KEY

LONGITUDINAL ACCELERATION SENSOR
LONGITUDINAL ACCELERATION SENSOR OFFSET
Low batt of key fob warn
Low pressure egr valve programming
MANIFOLD PRESSURE SENSOR PROGRAMMING
MEMORISATION OF SPEEDS
MULTIPL-ED NETWORK CONFIGURATION
NON-VIEWABLE AREA REMINDER
NORMALIZATION
NORMALIZATION OF ACTUATOR MOTORS
NOTE OIL WEAR COUNTER
NO√ SENSOR 1 DATA CLEAR
NO√ SENSOR 2 DATA CLEAR
NO√ TRAP
NUMBER OF STARTING
NUMBER OF STARTING 1
NUMBER OF STARTING 2
NUMBER OF STARTING 3
NUMBER OF STARTING 4
NUMBER OF STARTING CYCLES
NUMBER OF STARTING CYCLES (V343)
OC DATA CLEAR
Oil change interval in months
Oil change range: in km
Oil change range:current value in months
OIL CHG INT(km)
OIL DETERIORATION INFORMATION RESET
Oil grade factor
Oil service and odometry miles - km
OPE TIME BASIC DIAG TEMP SEN UPSTREAM SCR CAT
OPR TIME BASIC DIAG SCR CATALYSTIC CONVRTR
OUTSIDE AIR TEMPERATURE DIAGNOSIS
O√IDATION CATALYST DATA CLEAR
P position learning value clear
P/FLT DIFF PRS SEN
P062F E√CLUSIVE FUNCTION
POWER SLIDE DOOR DELAY
PREDICTIVE COURSE LINE DISPLAY
PREHEATER UNIT
PRES REG ADAPTIVE
PRESSURE REGULATION ADAPTIVES
PRESSURE SENSOR CALIBRATION
PRGRM REINITIALIZE
PROGRAM CLUTCH OPEN POSITION
PROGRAM REINITIALIZE
PROGRAM SLIP POINT
PROGRAMMED VALUES
PROGRAMMING REINITIALISATION
Programming selection/engaging zones
PROGRAMMING THE HANDS-FREE CARD
PROGRAMMING THROTTLE LIMITS
PRPR RICH SEN PROG
PUMP lock/Unlock
PUMP PRESSURE REGULATOR TYPE
Qk tch in zero qunty calib val while driving
RAIL PRESSURE SENSOR ADAPTIVES
RAIL PRS SEN ADAPTIVES
Re learning
READ VIN
REAR TEMP SET CORRECT
REC MEMORY SET
REGULATION WASTE GATE
REMOVE ADAPTATIONS VALUE OF SHIFT OPERATIONS
REPLACE DIESEL PARTICULATE FILTER
Reset

RESET INJCTR ADAPTATIVE
Reset of contamination level of air filter
Reset of learned values of cmsft hall SEN
RESET PUMP FORCEFEEDING
RESETTING CENTER POSITION OF STEERING
RESETTING INTERNAL PROTECTION
RESETTING OF ADAPTION VALUES
RESOLVER OFFSET
RESTART THE COMPUTER
Reverse gear reset of adaption values
REVERSING CAMERA CALIBRATION
RICHNESS REGULATION PROGRAMMING
ROOF LATCH
ROOF STATE LEARNING
ROOF STATE RESET
ROOF/TRUNK/PARCEL SHELF
RPS OFFSET LEARNING VALUE CLEAR
SAVE BATTERY INFORMATION DATA
SAVE COMPUTER DATA
SAVE VIN DATA
Saving data for replc cpu
Sc magnetic clutch engage count clear
SCR CAT AMOUNT OF UREA ADSORPT DATA CLEAR
SCR CATALYST DATA CLEAR
SCR CATALYST TEMP SENSOR 1 DATA CLEAR
SCR MALFUNCTION HISTORY RESET
SEAT SLIDE VOLUME SET[80mm-150mm]
SELECT GUIDELINE PATTERN
SELECT LANGUAGE OF WARNING MESSAGE[CH1-CH2]
SELECT LANGUAGE OF WARNING MESSAGE[DUT-GER-ITA]
SELECT LANGUAGE OF WARNING MESSAGE[ENG-SPA-FRE]
SELECT LANGUAGE OF WARNING MESSAGE[KOR-ARA]
SELECT LANGUAGE OF WARNING MESSAGE[PRO-RUS-JAP]
SELECTIVE Unlock FUNCTION
SENSOR CONFIGURATION
SERVIC REGENERATION
SET AUTOLOCATION DISABLE
SPEED LIMITER
SPEEDO INDE√
St ang sen adjustment
ST ANGLE SENSOR ADJUSTMENT
STANDARD HEIGHT LEVEL
START BRAKE PAD REPLACEMENT
START CALIBRATION
Start obd test: catalytic converter
Start obd test: o2 sensors
STARTER OPERATION COUNTER CLEAR
Static Test
STATUS OF TEACH IN PROCESSES
STEERING ANGLE SENSOR ADJUSTMENT
Steering wheel angle offset sensor
STEERING WHEEL ANGLE SENSOR
STEERING WHL ANGLE SEN
STOP AND START FUNCTION
Stop/start system operation cond setting
STORED ENERGY MANAGEMENT DATA
STP FUEL SPLY PREV
STROKE SENSOR CALIBRATION
STRT OPRTN CNTR CLEAR
SVT SETTING
SWIRL FLAP
SWIRL FLAP PROGRAMMING
SYSTEM MODE CHANGE
TABLE INITIALIZATION ASSYST
TACHOMETRIC INDE√

Take out from window warn
Target evaporator temp upper limit setting
TARGET IDLE RPM ADJ
TARGET IGN TIM ADJ
TCU ACTIVATE SETTING
TEACH IN AFTER REPLAC ADBLUE METERING VALVE
TEACH IN BOOST PRESSURE POSITIONER
TEACH IN COMBINATION METER
TEACH IN OF ACTUATOR MOTORS
TEACH IN OF CAMSHAFT POSITION
TEACH IN OF DPF AFTER REPLACE OF CDI C/U
Teach in of selection range sensor
TEACH IN OF SENSOR ROTOR ADAPTATION
Teach in of throttle valve stop
TEMP SET CORRECT
THERMOPLUNGER
THERMOPLUNGER PROGRAMMING
TP POS LEARN CLR
TRANSFER OF MANUFACTURER DEFAULT SETTINGS
TRANSVERSE ACCELERATION OFFSET SENSOR
TRUNK OPEN DELAY
TRUNK OPENER
TRUNK/GLASS HATCH OPEN
TURBOCHARGER PROGRAMMING
UNIT CHARACTERISTICS DATA
Unlock COMPUTER
Unlock INJECTOR CONTROL
UPDATE ODOMETER
UREA INJECTOR DATA CLEAR
UREA INJECTOR LEARNING VALUE CLEAR
UREA PUMP LEARNINNG VALUE CLEAR
UREA TANK UNIT ASSEMBLY LEARNING VALUE CLEAR
VACUUM PUMP
VALVE CALIBRATION
VALVE CHECK
Valve timing offset data clear
Valve timing offset data writing
VARIABLE VALVE TIMING
VEH. SPEED AT INITIALISATION
VEHICLE FUNC PROG
VEHICLE PARAMETERS
VIN REGISTRATION
VOLUME CONTROL VALVE LEARNING VALUE CLEAR
W/L ON HISTORY
WARNING LAMP DIAGNOSIS
Write date new clutch fitted
Write date of after sales operation
Write date of last after sales ope
WRITE H/P FUEL PUMP TOTAL STARTS COUNT
WRITE STARTER OPERATION COUNT
Write transmission oil change date
Writing of instrument panel data for injection
Wrte clth ini close pos
ZFC VALUE RESET