Infiniti Idle Learning

Function description: Idle learning

Supported products: Launch PRO or PAD series comprehensive

diagnostic equipment

Tested model: Infiniti Q70 VIN: JNKCY11E2HM79**** (see the following figure)



Procedure:

1. Access [Engine Control Module (ECM)] and choose [WORK SUPPORT]. (See the following figure.)

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Show Menu	3	î	Z	2		ŀ
NISSAN V46.10 > Automatically Search > Far East > People's Republic	c of China >	INFINITI Q70 > Y5	1 > 11/2016 - >	Engine Control	Module(ECM)	∓− 12.35V
					QPlease e	nter keyword
Module Information		Read Fault C	ode			
Clear Fault Code		Read Data St	ream			
Actuation Test		DTC WORK S	UPPORT			
WORK SUPPORT						

SN:98934730014 Nissan Q70L 201 VIN JNKCY11E2F	9 7 1N					
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2. Choose [Idle Air Quantity Learning] (See the following figure.)

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Show Menu	😔 🚖 🗹 🚔 🕩	
NISSAN V46.10 > Automatically Search > Far East > People's Republic	of China > INFINITI Q70 > Y51 > 11/2016 - > Engine Control Module(ECM)>W 👫 12	2.35V
	Q Please enter key	word
A/F Sensor Response Diagnosis Status B2	Misfire Count (Real-Time)	
Misfire Count (Past)	Idle Air Quantity Learning	
Evap System Closed	Learning Control	
Target Ignition Timing Adjustment	EXH V/T Control Learn	
Ignition Timing Adjustment	Check Oil Pipe	
Target Idle Speed Adjustment	Target Idle RPM ADJ	
Co Adiustment SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HM	Ethanol M/R ADJ	
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3. A prompt message is displayed. Press OK to proceed. (See the following figure.)

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Show Menu			A	Ľ	2		P
NISSAN V46.10 > Automatically Search > Far Ea	ast > People's Republic	c of China > IN	FINITI Q70 > Y5	1 > 11/2016 - >	Engine Control	Module(ECM)>	W ∓ 12.35V
						Q Please e	
A/F Sensor Response Diagnosis Sta		Informa	tion				
Misfire Count (Past)	This Function A Position Of The Proper Engine	Allows The lacv-AAC Speed At Ic	ECM To Lea Which Main Ile.	rn The tains			
Evap System Closed	Always Perform This Mode After Replacement Of Iacv-AAC Valve, Throttle Body, ECM Or When Idle Speed Or Ignition Timing Is Out Of						
Target Ignition Timing Adjustment	To Confirm The As Coolant Ten						
Ignition Timing Adjustment	Operation, Serv For The Details	rice Manua	I Must Be Cl	hecked			
Target Idle Speed Adjustment	CANCEL		Ok	<			
Co Adiustment			Ethanol M/R	ADJ			
Nissan Q70L 2017 VIN JNKCY11E2HM							
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4. A prompt message is displayed. Press OK to proceed. (See the following figure.)

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Show Menu			A	e	2		P
NISSAN V46.10 > Automatically Search > Far I	East > People's Republic	c of China > IN	IFINITI Q70 > Y51	1 > 11/2016 - >	Engine Control I	Module(ECM)>V	V +- 12.35V
						Q Please e	nter keyword
A/F Sensor Response Diagnosis Sta	atus B2		Misfire Count	t (Real-Time)			
Misfire Count (Past)		Informa	ation				
	Always Perforr	n This Mo	de After Repl	acement			
Evap System Closed	OF lacv-AAC Valve, Throttle Body, ECM OR When Idle Speed OR Ignition Timing IS OUT OF						
Target Ignition Timing Adjustment	Specification.		Detaile				
	SEE Service Ma	anual FOR	Details.				
Ignition Timing Adjustment	CANCEL		ОК				
Target Idle Speed Adjustment			Target Idle R	PM ADJ			
Co Adiustment			Ethanol M/R	ADJ			
SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HM							
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5. Wait for the conditions to be met and then press [Start] to continue. (See the following figure.)

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Special Function 😂 🔒	2 2 4
NISSAN V46.10 > Automatically Search > Far East > People's Republic of China > INFINITI Q70 >	Y51 > 11/2016 - > Engine Control Module(ECM)>W ∔ 12.35V
Item	State
Idle Air Quantity Learning	Waiting For Your Operation
Monitor Item	
P/N Posi SW	On
I/P Pully Spd - Input Belt Pulley Speed	Off
A/C Signal	Off
Load Signal	Off
Heater Fan Switch	Off
Start	
SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HM	
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Special Function 😂 🔒	
NISSAN V46.10 > Automatically Search > Far East > People's Republic of China > INFINITI Q70 >	Y51 > 11/2016 - > Engine Control Module(ECM)>W [+-]12.38V
Item	State
Load Signal	Off
Heater Fan Switch	Off
Throttle Closed Position Learning	CMPLT
Closed Loop	CMPLT
Coolant Temp/S	80 Degree C
Vhcl Speed SE	0km/h
Battery Volt	14.24V
Start	
SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HM	
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6. Click [Conditions Met] to continue. (See the following figure.)

<u> </u>			* • *	32% 4:02 PM
Special Function	Information	2		F
NISSAN V46.10 > Automatically Search > Far	all following condition must be met,if anyone is not met, even moment,the adjustment process will not be completed. Engine coolant temp:70-90 degree C (158-194	ingine Control	Module(ECM)>W	🛨 12.36V
Load Signal	Degree F) Vehicle speed:stop.			
Heater Fan Switch	Engine speed:>0 and <1200 RPM, if the vehicle idle speed is too high, the cylinder can be broken or the throttle vehicle can be pulled out			
Throttle Closed Position Learning	to reduce the speed, otherwise the learning will fail!			
Closed Loop	Battery voltage:>12V(idle). P/N Position Switch:ON.			
Coolant Temp/S	Electric load switch:OFF.(A/C, headlight,rear defoger) For the vehicle equipped with Day running			
Vhcl Speed SE	light,please turn light switch to 1,only small light ON.			
	Fan blower:OFF. Steering wheel:middle position(straight			
SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HN	Conditions Not Met Conditions Met			
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7. Idle air quantity learning is in progress. (See the following figure.)

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Special Function 😂 🔒	2 4
NISSAN V46.10 > Automatically Search > Far East > People's Republic of China > INFINITI Q70 >	Y51 > 11/2016 - > Engine Control Module(ECM)>W ∓ 12.35V
Item	State
Idle Air Quantity Learning	Executing
Monitor Item	
P/N Posi SW	On
I/P Pully Spd - Input Belt Pulley Speed	Off
A/C Signal	Off
Load Signal	Off
Heater Fan Switch	Off
Throttle Closed Position Learning	CMPLT
SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HM	
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8. Idle air quantity learning is completed.

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Special Function 🗟 🔒	2 ē F
NISSAN V46.10 > Automatically Search > Far East > People's Republic of China > INFINITI Q70 >	Y51 > 11/2016 - > Engine Control Module(ECM)>W [+-] 12.35V
Item	State
Idle Air Quantity Learning	Completed
Monitor Item	
P/N Posi SW	On
I/P Pully Spd - Input Belt Pulley Speed	Off
A/C Signal	Off
Load Signal	Off
Heater Fan Switch	Off
Start	
SN:989347300149 Nissan Q70L 2017 VIN JNKCY11E2HM	
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