



Trade Show

MAPA 2008

Malaysia Auto Parts & Accessories Expositions

August 28th – August 31st, 2008

Putra Indoor Stadium, Bukit Jalil, Kuala Lumpur, Malaysia

Booth No. **AF064** & **AF065**



Leading International Trade Fair for the Automotive Industry

September 16th - September 21st , 2008

Booth No. **Hall 9.1 A10**

Sincerely welcome to visit us at our booth.

iSCAN- II / D91 Latest Versions (June, 2008)

iSCAN- II OPEL	V1.00 SP1	English/Chinese	03-Jun-08
iSCAN- II HYUNDAI	V1.01	English/Chinese	13-Jun-08
iSCAN- II MB	V1.01	English/Chinese/Japanese	18-Jun-08
D91-OPEL	V1.60 SP5 / V1.50 SP6	English/Chinese	03-Jun-08
D91-HYUNDAI	V3.01 / V2.50 SP2 / V2.01 SP3 / V1.00 SP6	English/Chinese	13-Jun-08
D91-MB PRO	V3.06 / V3.58 / V4.06 / V4.53	English/Chinese/Japanese	18-Jun-08
IMS2-MB Add-On	V2.10	English/Chinese	12-Jun-08

VeDiS Yearly Update Project (YUP) Software

Software releases monthly for D91-EURO PRO YUP 2008 / D91-ASIAN PRO YUP 2008

YUP customers, please get the updates from web site

Technical Guidance

Nissan ETB (Electronic Throttle Body) System, How to Perform Idle Air Volume Learning?

Description

Idle Air Volume Learning is to an operation to learn the idle air volume that keeps each engine within the specific range. It must be performed under the any of the following conditions

Condition

1. Each time electronic throttle control (ETC) actuator is replaced
2. Each time Engine ECU (ECM) is replaced.
3. Battery power off.
4. Idle speed or ignition timing is out of specification.
5. Replace related units of electronic throttle control, like Engine Coolant Temperature (ECT) Sensor, Air-flow Sensor, Oxygen Sensor, and etc.

Preparation

Before performing Idle Air Volume Learning, make sure that all of the following conditions are satisfied. Learning will be cancelled if any of the following conditions are missed for even a moment.

1. Battery voltage: More than 12.9V (at idle)
2. Engine coolant temperature: 80-100 °C
3. Park/neutral position switch: ON
4. Electric load switch: OFF (air conditioner, headlamp, rear window defogger)
5. Steering wheel: Neutral (straight-ahead position)
6. Vehicle speed: Stopped
7. Transmission: Warmed-up (please enter A/T system to have Data Stream, the "fluid temp sensor" should be less than 0.9V.

If any unit of above mentioned conditions is abnormal, please solve the fault first. Ex. coolant temperature is abnormal, performing Idle Air Volume Learning may fail.

Procedure

1. Perform **Accelerator Pedal Released Position Learning**
2. Perform **Throttle Valve Closed Position Learning**
3. Start engine to warm it up to normal operating temperature and let it idle
4. Above mentioned preparation items are in good order
5. Enter **Engine System** to select **Adaptation**
6. Press **ENTER** to select **Idle Air Volume Learning**
7. Wait 20-30 seconds and check if the setting is finished
8. Rev engine 2 or 3 times and make sure that idle speed and ignition timing are within the specifications. (Idle engine speed: 700 ± 50 rpm)

Accelerator Pedal Released Position Learning

Description

Accelerator Pedal Released Position Learning is an operation to learn the fully released position of the accelerator pedal by monitoring the accelerator pedal position sensor output signal.

Condition

Each time harness connector of accelerator pedal position sensor or ECM is disconnected.

Procedure

1. Make sure the accelerator pedal is fully released
2. Turn ignition switch ON, wait at least 2 seconds.
3. Turn ignition switch OFF, wait at least 10 seconds.
4. Turn ignition switch ON, wait at least 2 seconds
5. Turn ignition switch OFF, wait at least 10 seconds.

Throttle Valve Closed Position Learning

Description

Throttle Valve Closed Position Learning is an operation to learn the fully closed position of the throttle valve by monitoring the throttle position sensor output signal.

Condition

Each time harness connector of electric throttle control actuator or ECM is disconnected.

Procedure

1. Make sure the accelerator pedal is fully released
2. Turn ignition switch ON, wait at least 10 seconds
3. Turn ignition switch OFF, wait at least 10 seconds
4. Be sure that throttle valve moves during above time by confirming the operating sound.

If Idle Air Volume Learning can not be performed successfully, please check the followings:

1. Engine warms up to operating temperature at no external load; be sure that engine speed is less than 1000rpm.
2. Check the throttle valve is fully closed
3. Check PCV valve operation
4. Check the downstream of the throttle valve is free of air leakage.
5. If the engine misfires after starting or the idle speed is out of specification, please examine and solve the fault first before performing Idle Air Volume Learning.
6. How to examine and solve the fault, please observe the related value variation during drive vehicle and at idle. Like: accelerator pedal position, throttle valve position, fuel injection volume, air/fuel ration correction amount, air-flow sensor amount, coolant temperature sensor amount.

Steps on iSCAN-II

●Nissan Y2006 TEANA 2.3L

1. Please select **Vehicle Diagnostic**→ select **ASIAN**

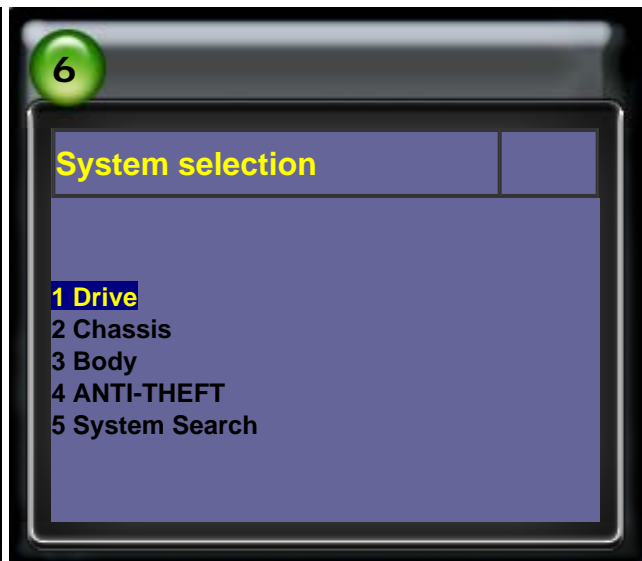


2. Please select **JAPAN**→ select **NISSAN**

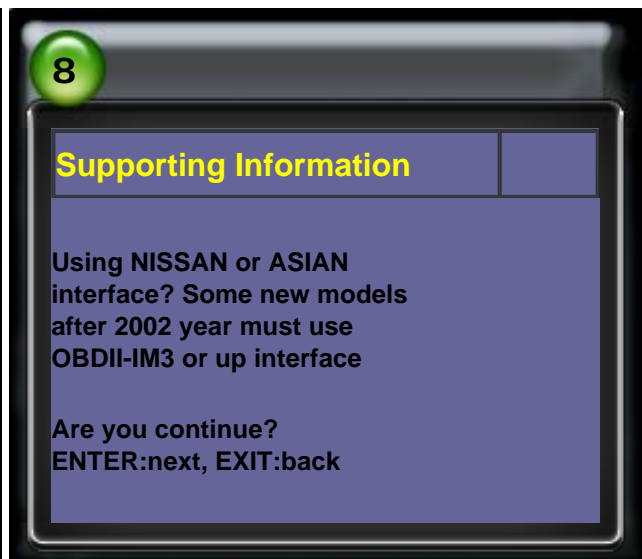




3. Select **OBDII 16-pins** → select **Drive**

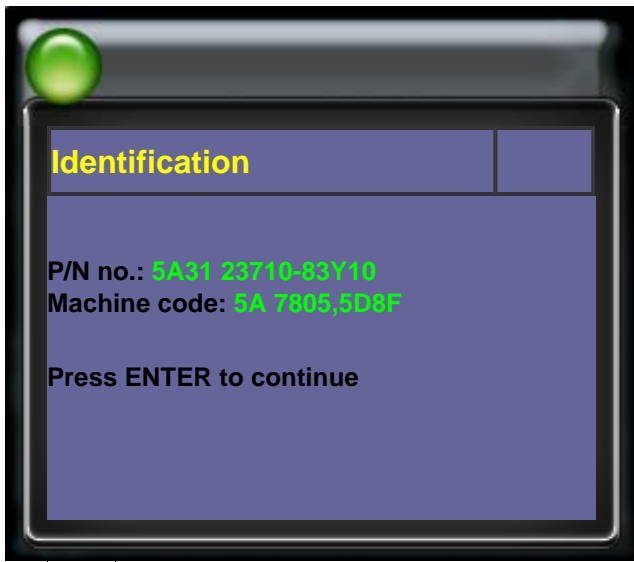


4. Select **Petrol Engine, ALL** (automatic detect) → press **ENTER** to continue

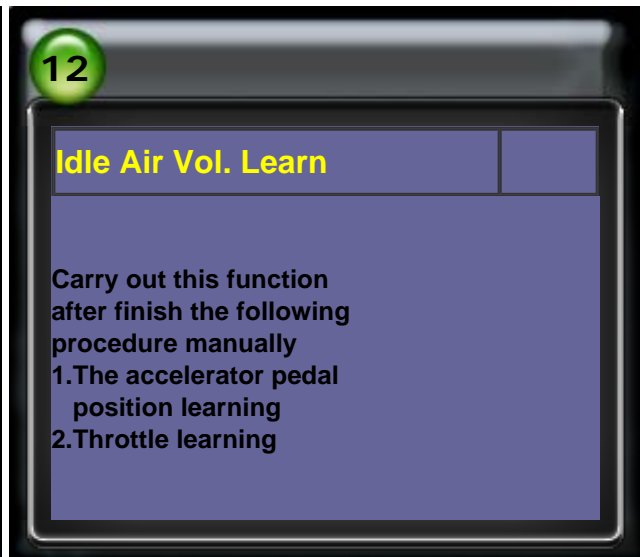
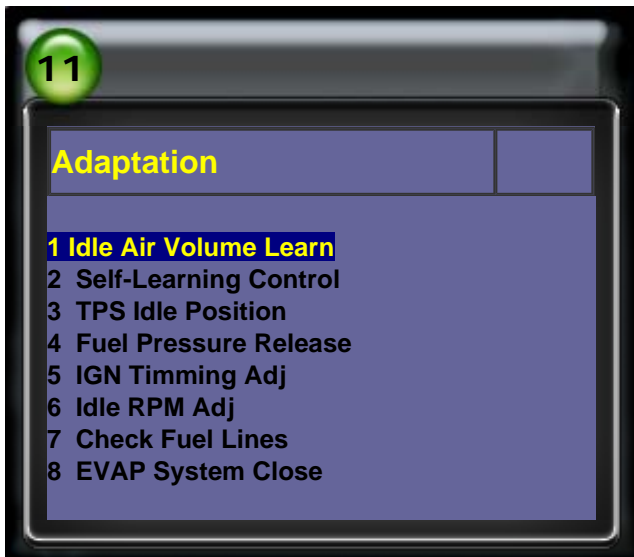


5. Press **ENTER** to continue → select **Adaptation**

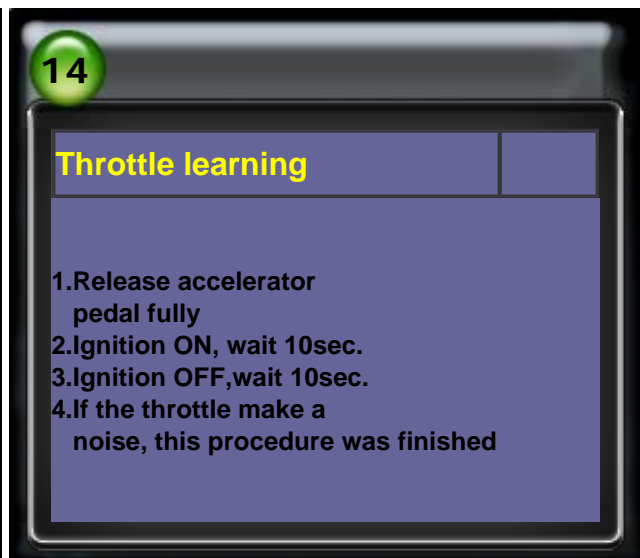
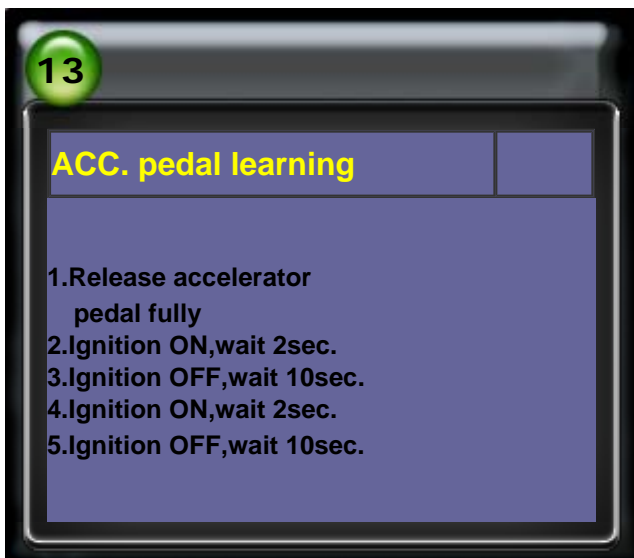




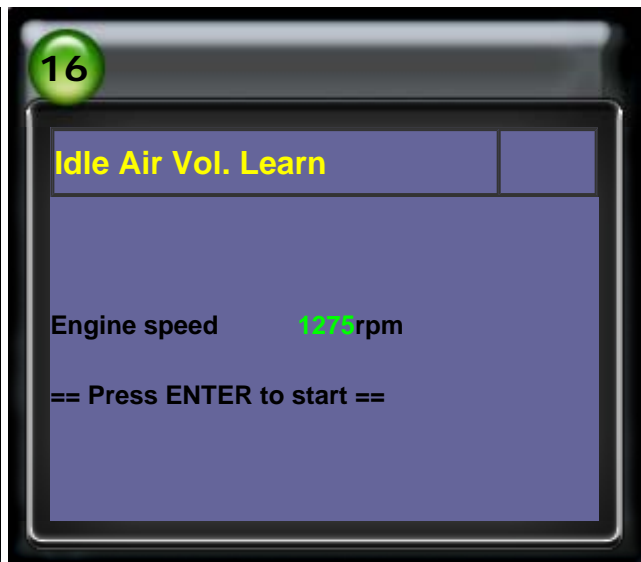
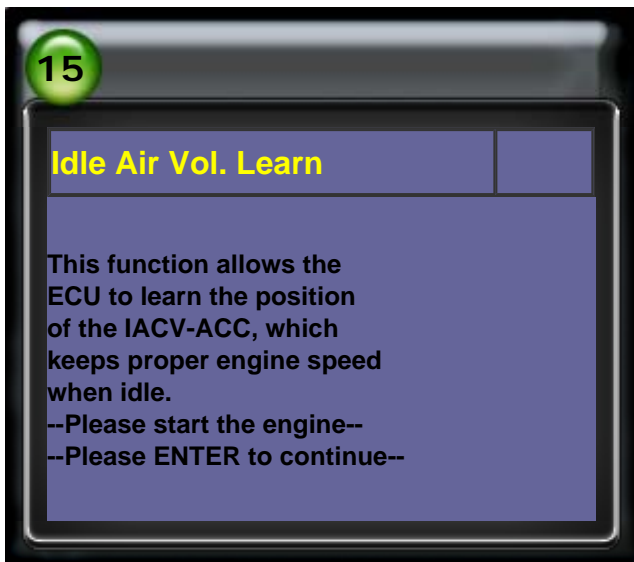
6. Select **Idle Air Volume Learn** → press **ENTER** to see the steps how to manually perform **accelerator pedal position learning** and **throttle learning**



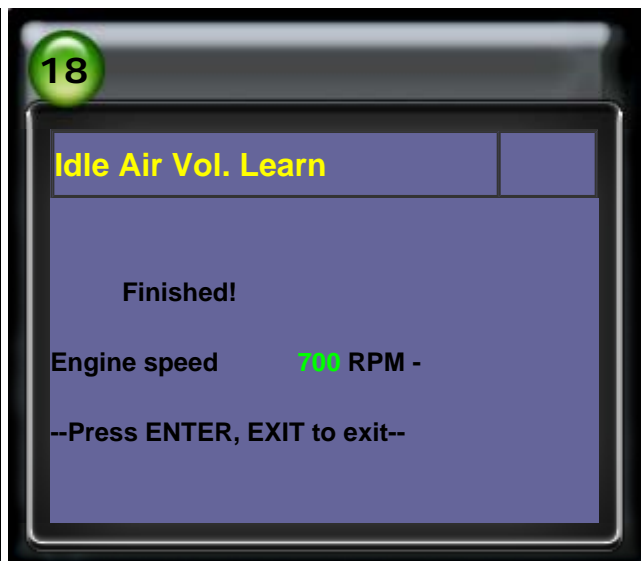
7. Perform **Accelerator Pedal Released Position Learning** → perform **Throttle Learning**



8. After above steps, **start engine** and let it idle → press **ENTER** to start Idle Air Volume Learning



9. If **Finished!** shows on screen, it means Idle Air Volume Learning performs successfully.



10. If the resetting time is over 2 minutes, it means the **Idle Air Volume Learning** fails, please press **EXIT X** to interrupt the learning and check other fault.

