



# **CONSULT-III**

## **Set-up**

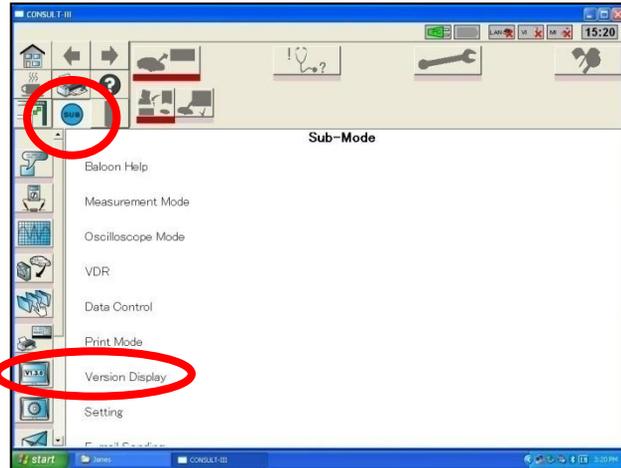
## **Maintenance**

## **Supporting Information**

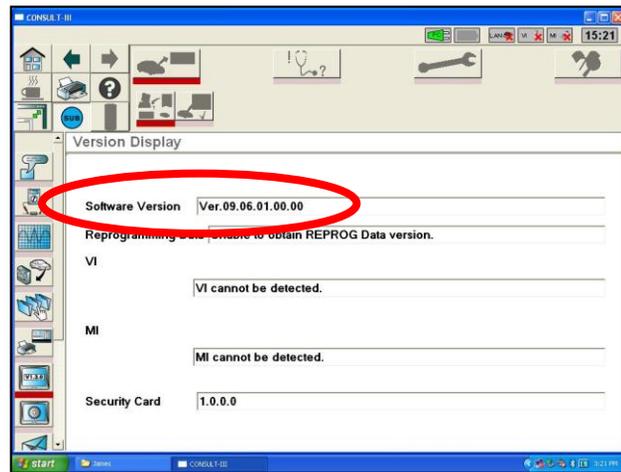
**December 2010**

# 1. CHECK CONSULT III SOFTWARE

1. Click on the Blue Coloured SUB button at the top of the screen



2. Then Click on "Version Display" once the screen shown right appears



3. Ensure that the most current level of software is installed into the machine.

As of September 2010 – all CONSULT III machines should be running with; **9.17.**

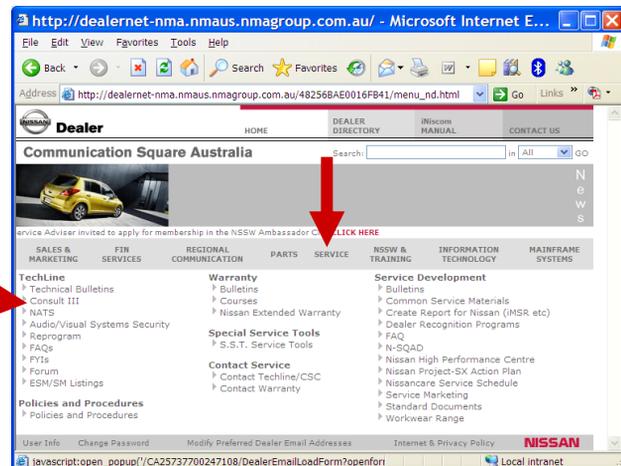
As of December 2010, all machines must be upgraded to; **9.18.**

4. The update discs are automatically supplied to dealers via parts.

IT IS YOUR RESPONSIBILITY TO MAKE CONTACT WITH YOUR DEALERSHIPS PARTS DEPT TO ENSURE THE DISCS ARE SUPPLIED TO YOU!



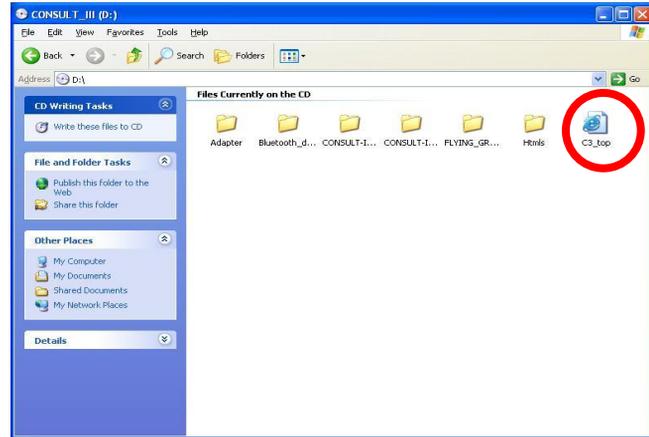
5. C-III Software updates are announced via special CONSULT III BULLETINS. Click on the **Consult III** link on the iNISCOSM Service Homepage. The link is below where you would find Service Technical Bulletins



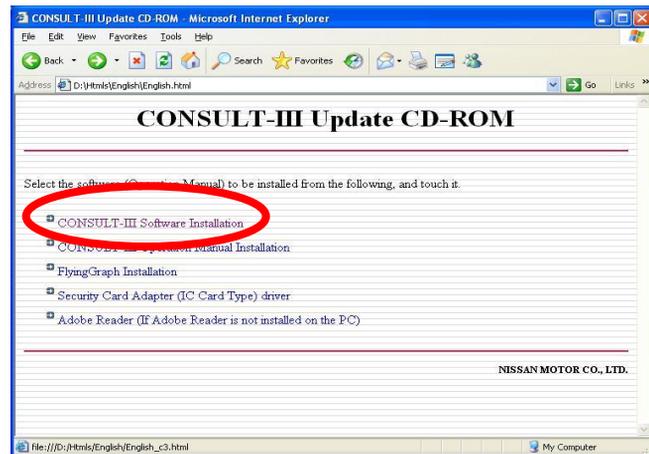
## 2. UPDATE CONSULT III SOFTWARE

1. Install the C-III software update disc in the C-III Disc Drive (Drive D)

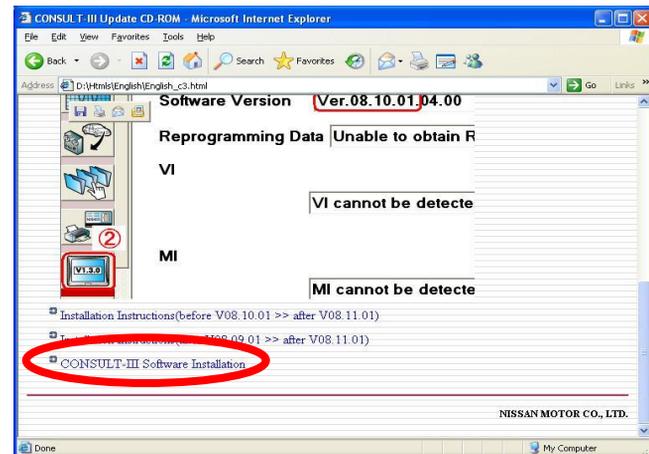
Click **“Start”** in the bottom left of the screen & then click **“My Computer”**. Double click on the **“D Drive”** icon. The screen shown right should appear. Double Click the **“C3 Top”** Icon.



2. Once the screen shown right appears, click on the **“CONSULT III Software Installation”** link.



3. The next screen requests that you ensure your machine currently has 8.10 or higher software installed in it. Given that it does, simply ignore this information & **scroll down to the bottom** & once again click on the **“CONSULT III Software Installation”** link

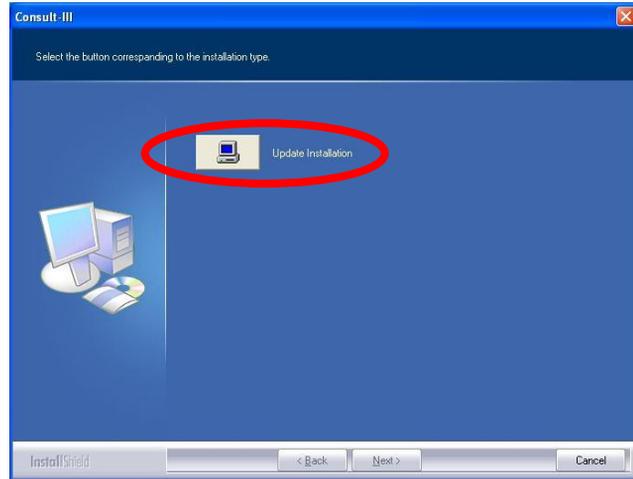


4. Click on **“Run”** & then when the next window appears, once again click on **“Run”**



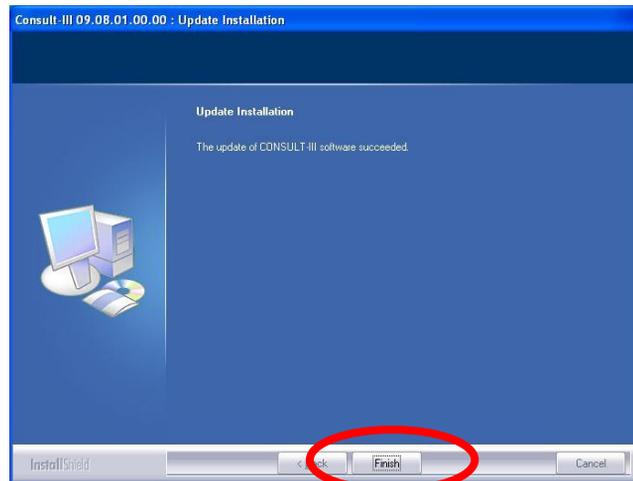
## 2. UPDATE CONSULT III SOFTWARE

5. Click on the **“Update Installation”** button



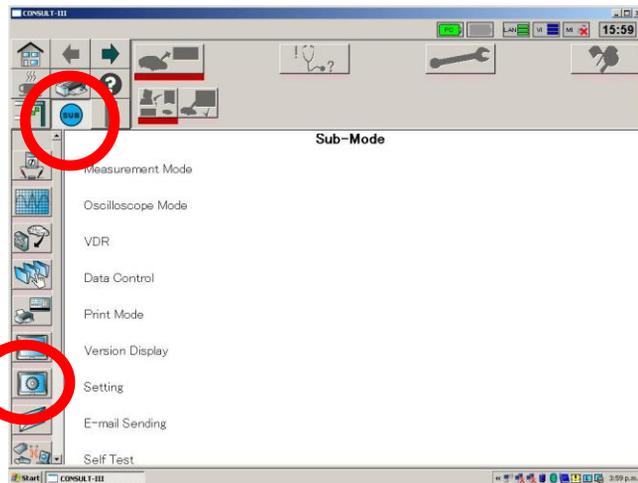
6. After about 5 minutes, the screen shown right appears. Click on the **“Finish”** button.

Close all other windows that have remained open.



### 3. SUB MENU - CHANGE / SET COUNTRY

1. Click on the blue coloured “SUB” button



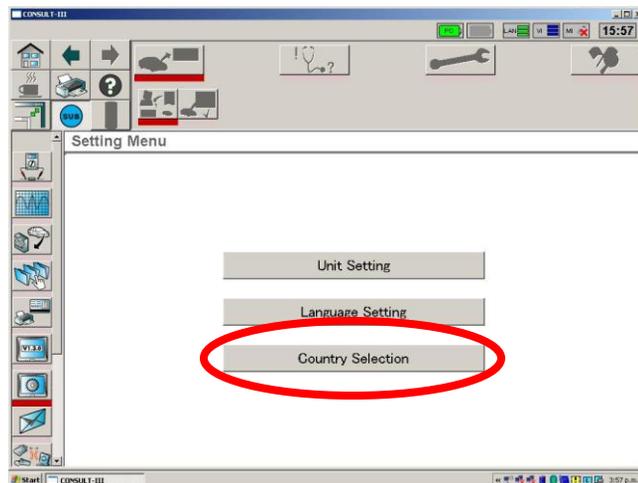
2. Click on the “Setting” button



3. Click on the “Country Selection” button

#### NOTE:

Language & numerical units (metric, imperial etc.) can also be changed here as well



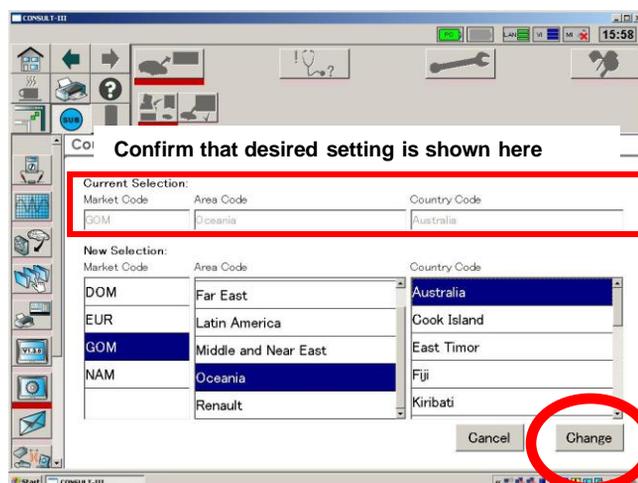
4. Ensure that “GOM” (General Overseas markets) > “Oceania” > “Australia” have been highlighted.

5. Click the “Change” button to set.

#### NOTE:

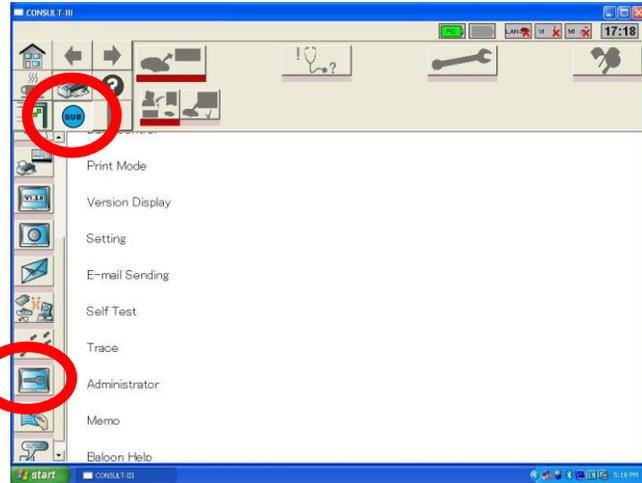
If it is required to connect CONSULT III to an imported model, such as V35, V36 Skyline from the Japanese Domestic Market, then simply select “DOM” > “Japan” > “Japan” and then click the “Change” button.

The vehicle selection screen will now show all the Nissan models applicable to the Market the CONSULT III was changed to.



## 4. SUB MENU – SETTING UP VI / MI

1. Click on the blue coloured “SUB” button



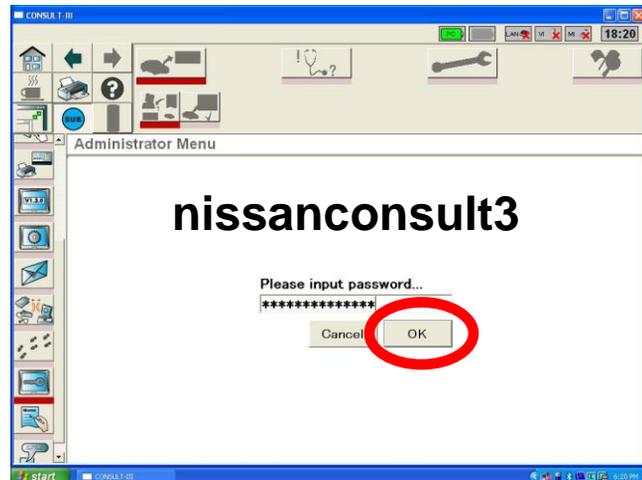
2. Click on the “Administrator” button (you’ll need to scroll the screen down to find it)

3. Enter the password as follows: “nissanconsult3”

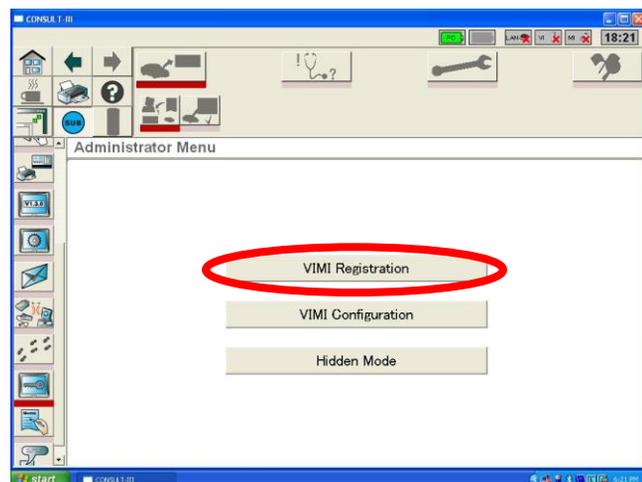
4. Then click the “OK” button

### NOTE:

Language & numerical units (metric, imperial etc.) can also be changed here as well)



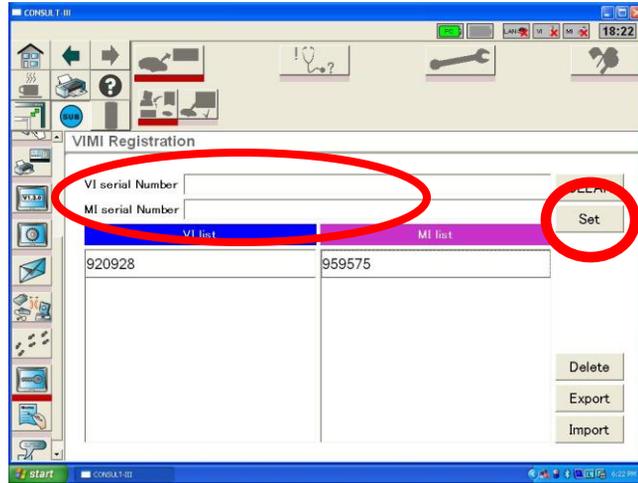
4. Click the “VIMI Registration” button.



## 5. SUB MENU - SET UP VI / MI

5. Type the 6 digit serial numbers from the VI & MI into the relevant field & then click on the “**Set**” button. The serial numbers will then revert to the relevant field below.

To delete any serial numbers, simply click on to highlight the number in the lower field & then click the “**Delete**” button.



Location of MI Serial Number

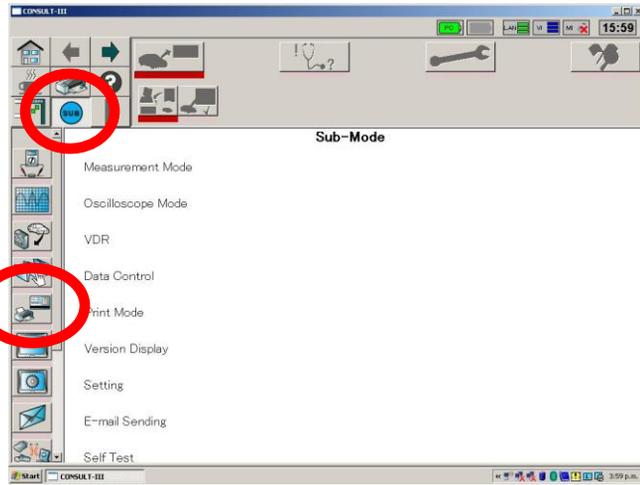


Location of VI Serial Number



# 6. SUB MENU - SET PRINTER

1. Click on the blue coloured “SUB” button



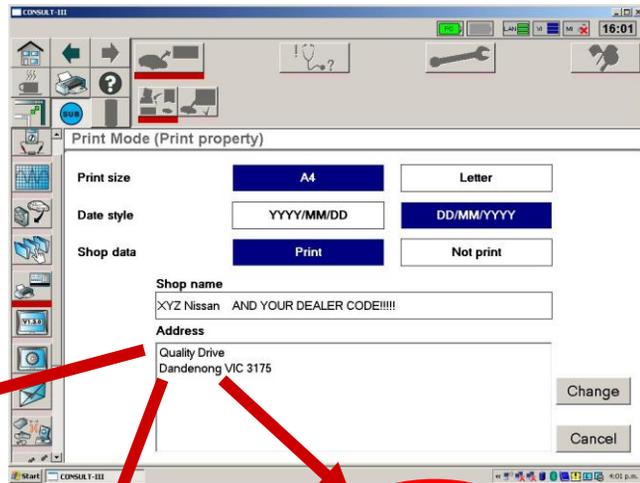
2. Click on the “Print Mode” button

3. Click on the various fields as shown right.

4. Type in dealership address / contact details. This information will be presented whenever the Print option is utilised in various menus.

**NOTE:**

These settings will be deleted each time the software is updated.



Nissan Dealership xyz street Nissan town VIC 3001 Phone: 03 9797 4111 or 0412 777 333	
Vehicle Info	Customer
Vehicle Name: DUALIS	Print Date: 17/09/2010 14:20:47
Market : OGM Start of Sale : 10/2007	Worker
Area : Oceania Vehicle Type : J10	
Country : Australia Vehicle Type Detailed : J10	

DTC RESULTS	TIME	DTC RESULTS	TIME
ABS		EPS	
No DTC is detected. Further testing may be required.		No DTC is detected. Further testing may be required.	
ALL MODE AWD/4WD		BCM	
No DTC is detected. Further testing may be required.		No DTC is detected. Further testing may be required.	

Print Date	17/09/2010 14:24:21
Item	ECM
File Info	
Vehicle Name: DUALIS	Customer
Market : OGM Start of Sale : 10/2007	Print Date: 17/09/2010 14:25:43
Area : Oceania Vehicle Type : J10	Worker
Country : Australia Vehicle Type Detailed : J10	

DATA MONITOR recorded chart(all items)

Nissan Dealership xyz street Nissan town VIC 3001 Phone: 03 9797 4111 or 0412 777 333	
Vehicle Info	Customer
Vehicle Name: DUALIS	Print Date: 17/09/2010 14:40:22
Market : OGM Start of Sale : 10/2007	Worker
Area : Oceania Vehicle Type : J10	
Country : Australia Vehicle Type Detailed : J10	

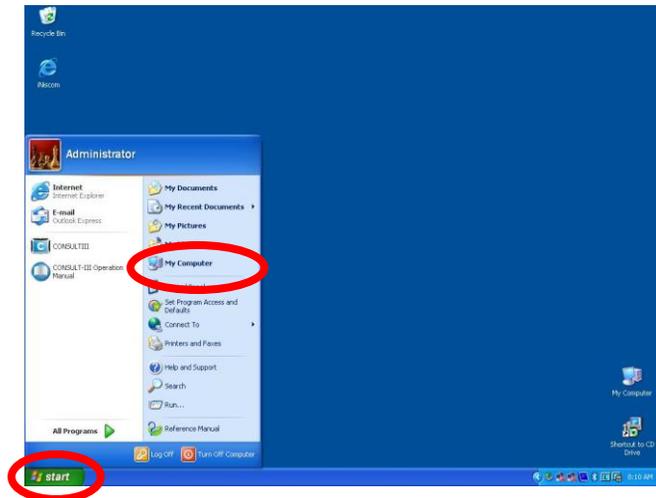
CONFORM CVTF DETERIORRTN

CVTF DETERIORATION DATE

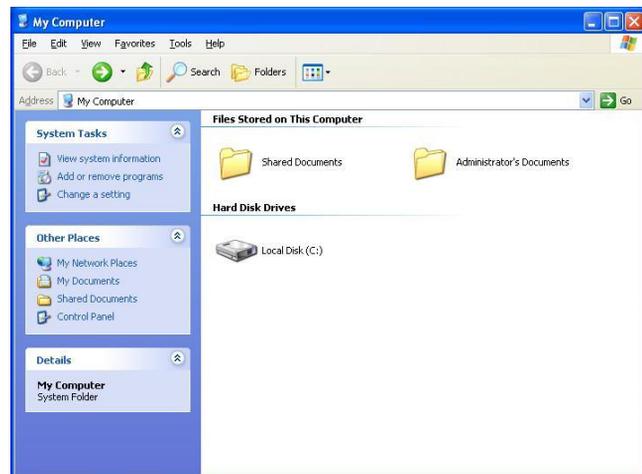
**6453**

# 7. CREATE SHORT-CUT

1. Click on the “**Start**” (lower LHS of screen)
2. Click on “**My Computer**”



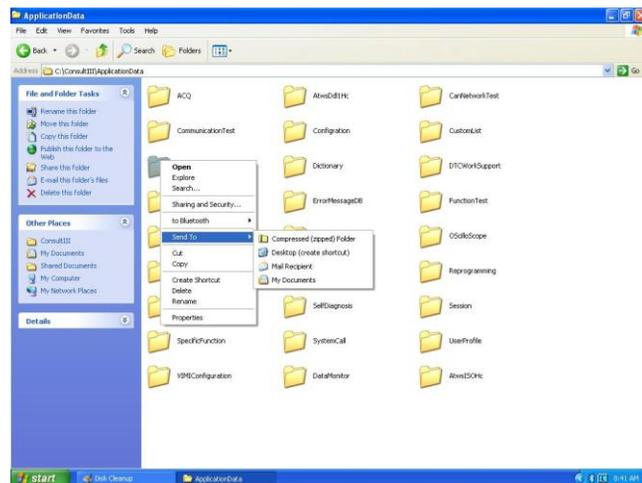
3. Double-click the “**Local Disk (C)**” icon
4. Double-click the “**Consult III**” folder (not shown)
5. Double-click “**Application Data**” folder (not shown)



6. Right-click “**PrintImages**” folder & select the “**Send To**” > “**Desktop (create shortcut)**” option.

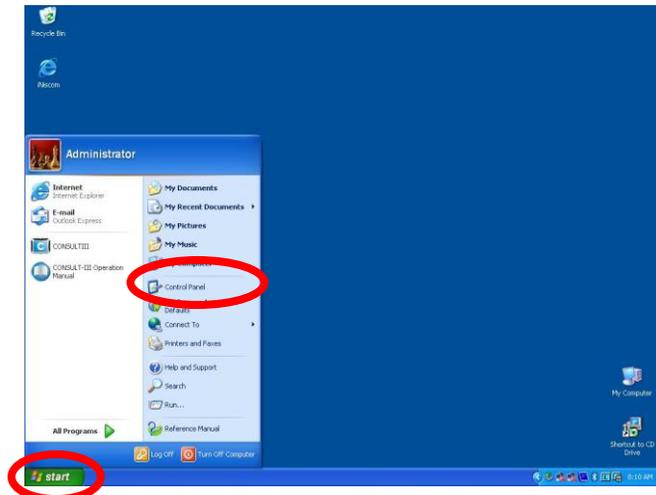
**Do NOT actually move this folder**

7. The Print Images folder should now be on the desktop

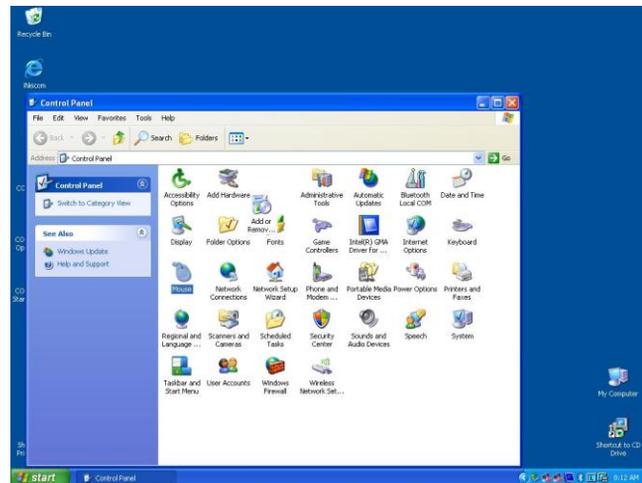


# 8. TOUCH SCREEN CALIBRATION

1. Click on the “**Start**” (lower LHS of screen)
2. Click on “**Control Panel**”

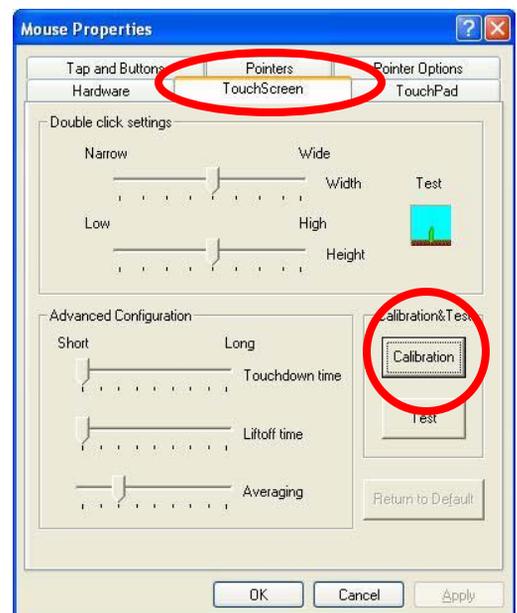


3. Double-click the “**Mouse**” icon



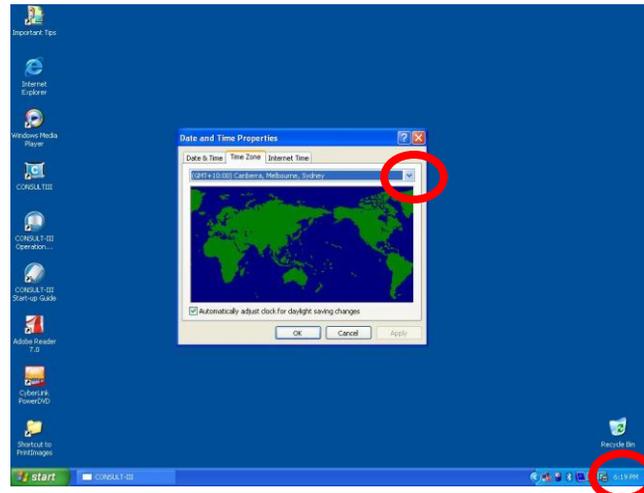
4. Click the “**Touch Screen**” tab
5. Click the “**Calibration**” button & follow the on screen prompts.
6. Press the “**ESC**” button on key board when finished

**NOTE:**  
Repeat this activity multiple times if the screen is severely out of calibration.



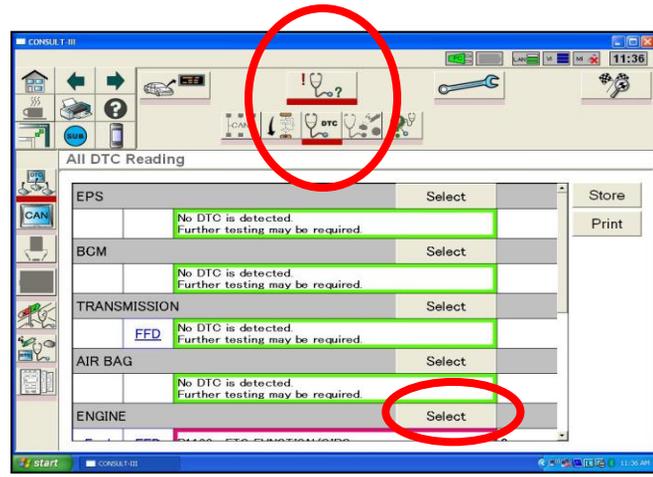
## 9. SET PC TIMEZONE

1. Double-click on the Clock on the lower RH corner of the screen
2. Click on the drop down arrow & select the appropriate time zone



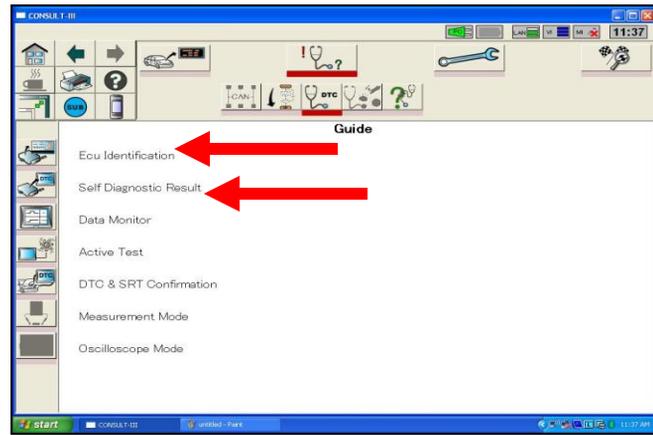
# CONSULT III ECU P/N DISPLAY / SELF DIAGNOSIS

1. Ensure that the CONSULT III is in the **“Diagnosis”** section. (There is something wrong so you need to find out what is wrong by going to the Doctor & diagnose the problem)



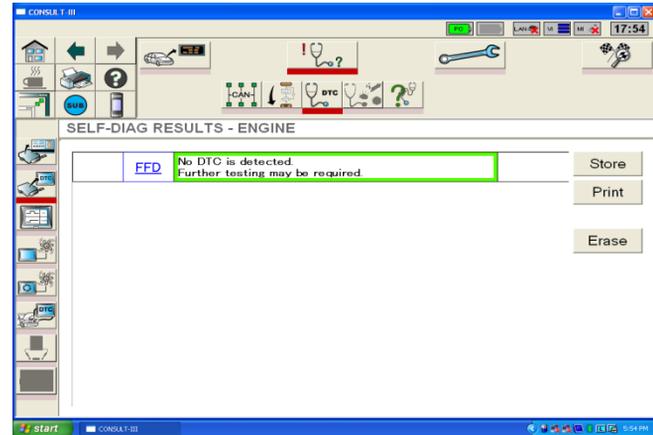
2. Touch the word **“Select”** against the desired vehicle system.

3. Touch the **“Self Diagnosis”** icon on the left of the screen.

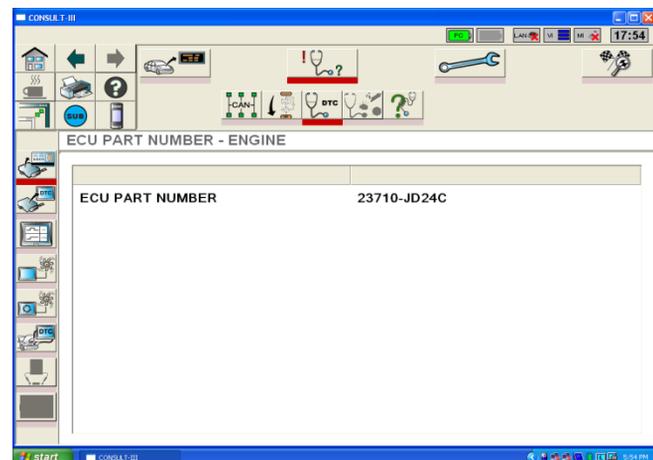


4. The DTC's for that 1 specific system is displayed. DTC's for the individual system can be erased.

Otherwise DTC's for all systems can be erased under the **“Final Check”** menu (chequered flag icon)

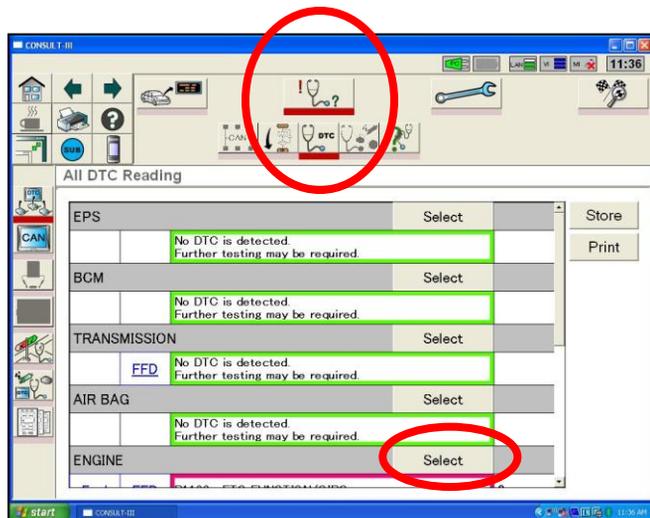


5. From step 3 above, touch the **“Ecu Identification”** icon to display the part number of the ECU. (Part number of the ECU for the system that was selected at step 2 above)



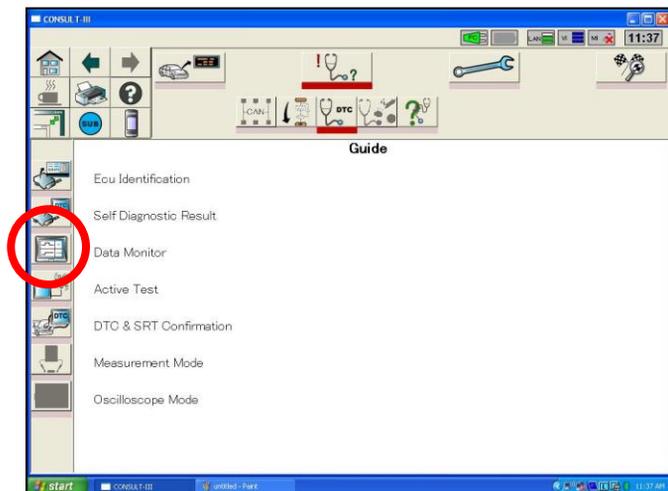
# CONSULT III DATA MONITOR

1. Ensure that the CONSULT III is in the **“Diagnosis”** section. (There is something wrong so you need to find out what is wrong by going to the Doctor & diagnose the problem)



2. Touch the word **“Select”** against the desired vehicle system.

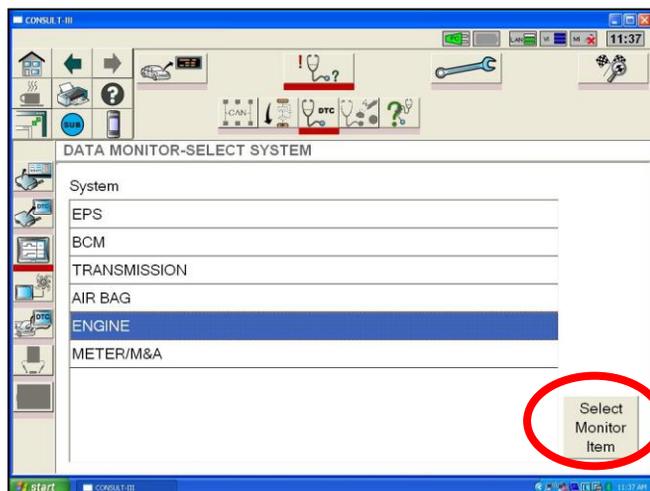
3. Touch the **“Data Monitor”** icon on the left of the screen



4. Highlight **“ENGINE”** & then touch **“Select Monitor Item”**

## NOTE:

It's actually possible to monitor data from 2 different systems in the vehicle at the same time. Simply click on the 2 desired system at this point & then click the **“Select Monitor Item”** button.



# CONSULT III DATA MONITOR

4 (i) **MAIN SIGNALS** – These have all been pre-selected by the CONSULT III. All of the major inputs that are key to engine operation are displayed

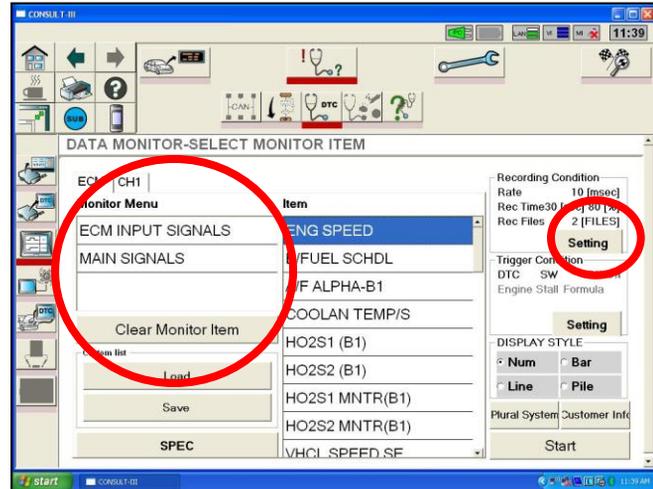
(ii) **ECM INPUT SIGNALS** – Select this to display all Inputs to the ECM on the screen

(iii) **Technicians own choice of data to display:**

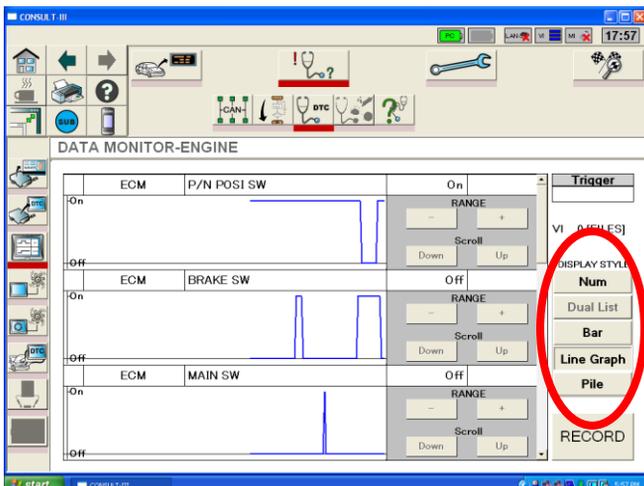
Clear the pre selected Main Signals items by touching **“Clear Monitor Item”**. Touch to highlight the desired items from the list on the screen.

An example scenario could be that a Technician is diagnosing an Inoperative Cruise Control (ASCD). The technician would 1<sup>st</sup> “clear all of the pre selected items & then scroll down the list looking for all of the inputs that relate to the operation of Cruise Control

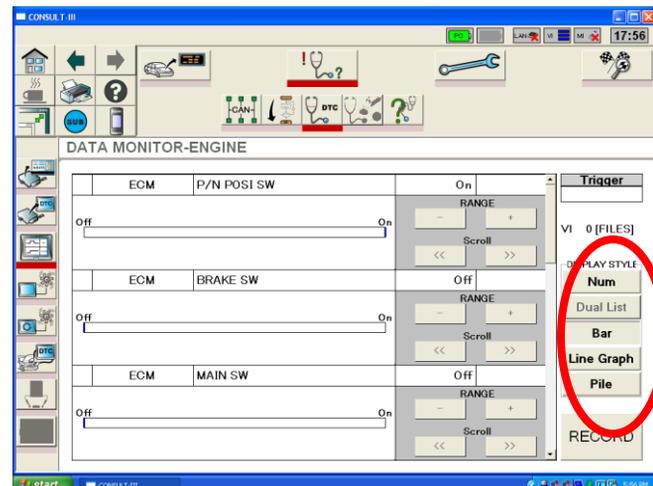
The same data can be displayed in various ways. Simply click on the appropriate button on the RHS of the screen.



Numerical Display



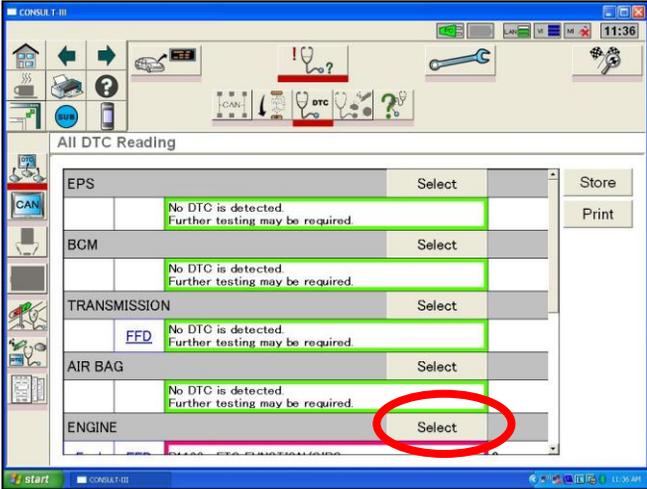
Line Graph Display



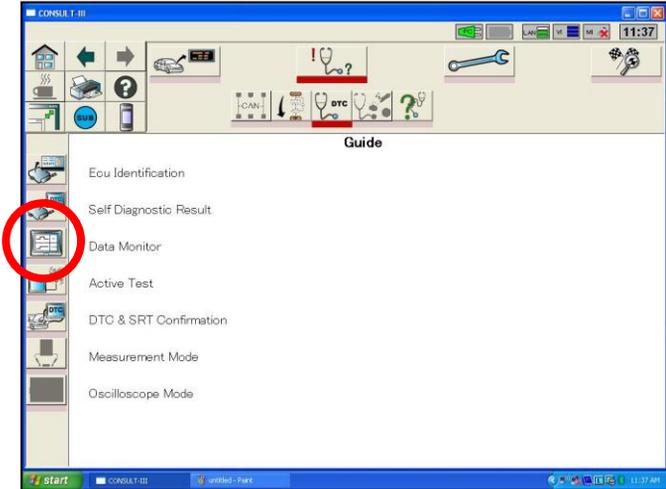
Bar Graph Display

# CONSULT III DATA MONITOR RECORD

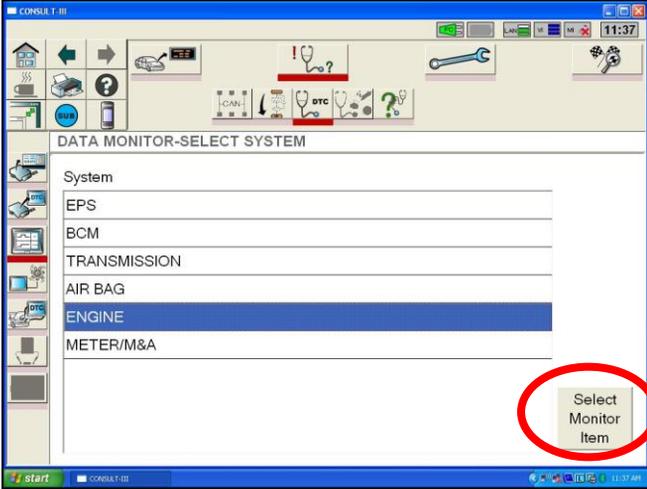
1. Touch the word **“Select”** against the desired vehicle system.



2. Touch the **“Data Monitor”** icon on the left of the screen



3. Highlight **“ENGINE”** & then touch **“Select Monitor Item”**



# CONSULT III DATA MONITOR RECORD

4 (i) Clear the pre selected Main Signals items by touching **“Clear Monitor Item”**.

(ii) Highlight the desired items from the list on the screen. These are examples;

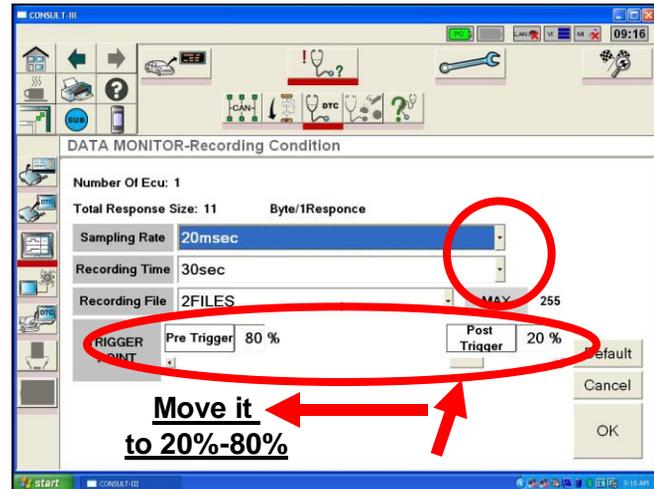
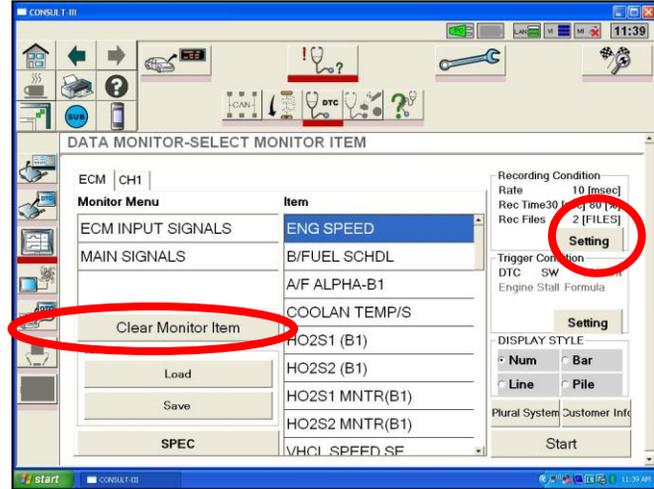
- ENG SPEED
- MAS A/F SE-B1
- BATTERY VOLT
- ACCEL SEN 1
- T P SEN 1
- START SIGNAL
- INJ PULSE B1
- IGN TIMING

(iii) Touch the **“Setting”** tab (circled right).

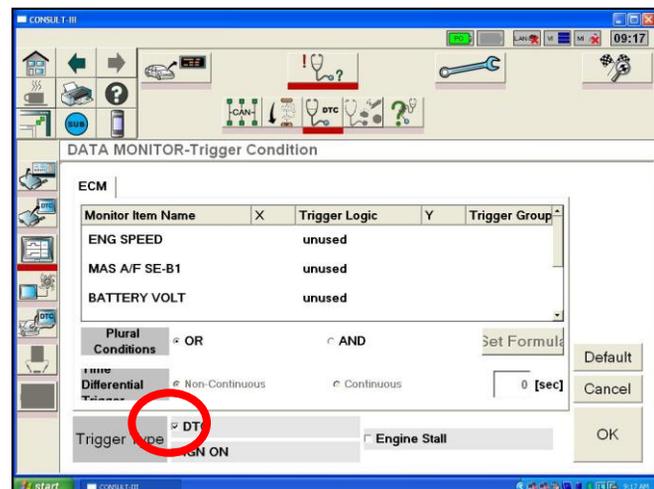
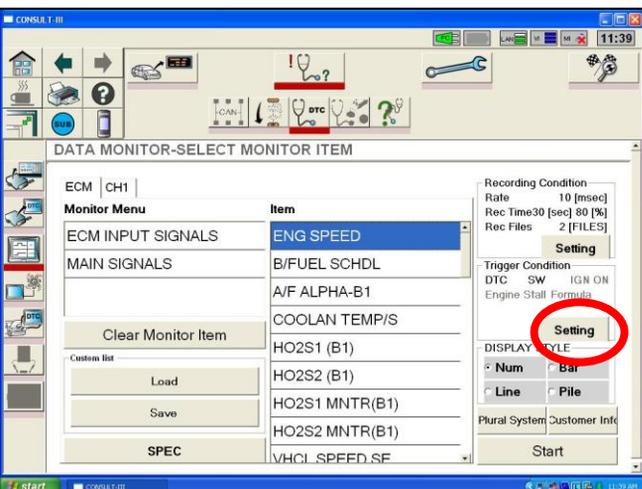
(iv) Ideally the “Sampling Rate” should be slowed down from every 10ms to every 20ms. This can be done by selecting the drop down icon. (small circle). There maybe cases where the recording time needs to be extended. Otherwise leave set to **30 seconds** so as not to make the graphs too large.

(v) Adjust the trigger point. **Move it to 80% post & 20% pre. (large circle / arrow)**

(vi) Touch **“OK”** on the bottom right of the screen & then touch **“Start”** once the screen returns to the **“SELECT MONITOR ITEM SCREEN”**



The 2<sup>nd</sup> setting tab accesses the recording trigger condition settings. Un-select the DTC box if the ECM has a permanent DTC in it. Otherwise the recording will automatically start as a DTC is detected.



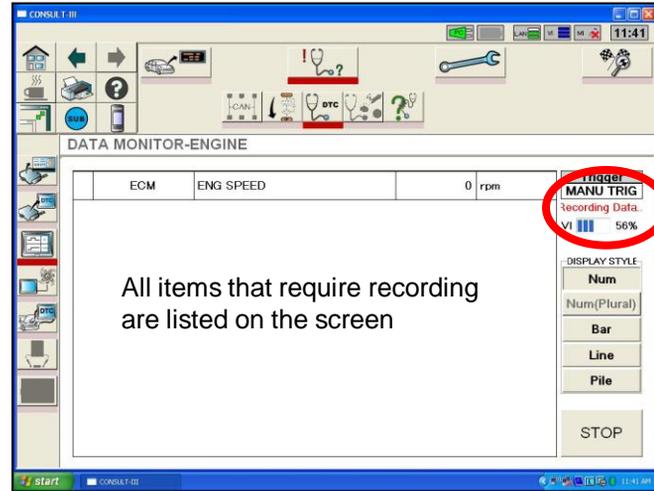
# CONSULT III DATA MONITOR RECORD

5. Once prepared, touch “**RECORD**” on the bottom right of the screen to capture the activity of the engine. Watch the recording time bar graph (circled right). Recording stops at 100%.

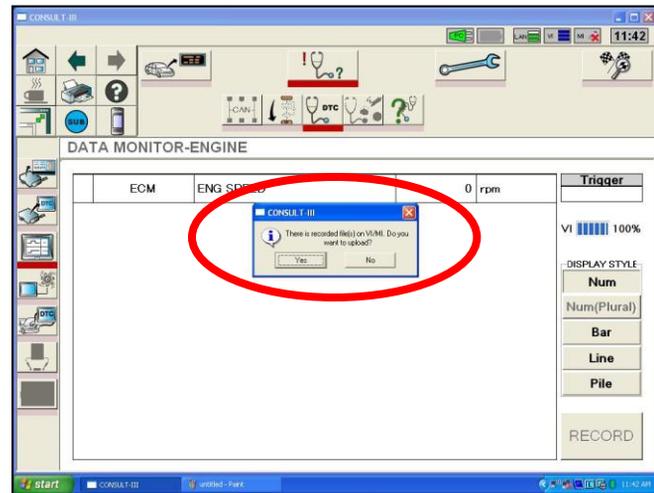
The **recording activity** is basically as follows;

- (i) Touch record
- (ii) In less than a second start Engine & allow to idle for 2 seconds max.
- (iii) Race engine twice & allow to idle again until the end of recording.

The above must be carried out as quickly as possible in order to maximise the recorded data on the graphs

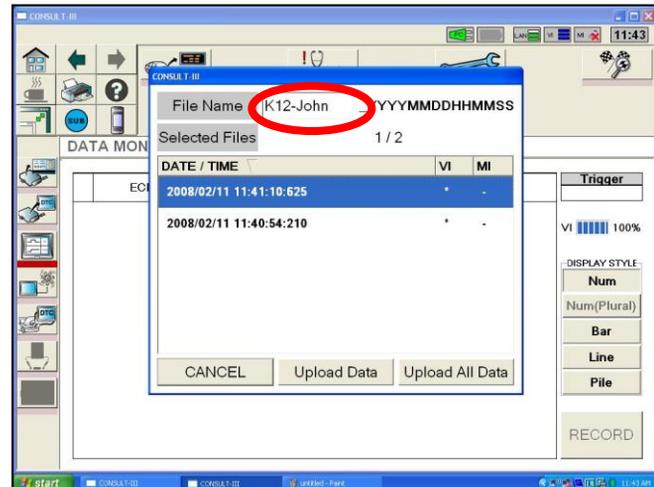


6. Once the recording has stopped, touch the back arrow (top left of screen) once. A message appears on the screen (circled right) – Touch “**Yes**”.



7. (i) Add any text after the model code to make the file name unique (circled right).

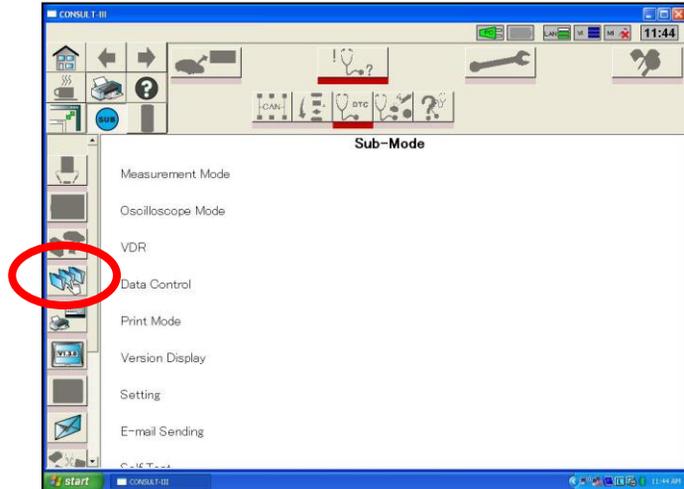
(ii) Highlight the desired data & then touch “**Upload Data**”.



# CONSULT III DATA MONITOR RECORD

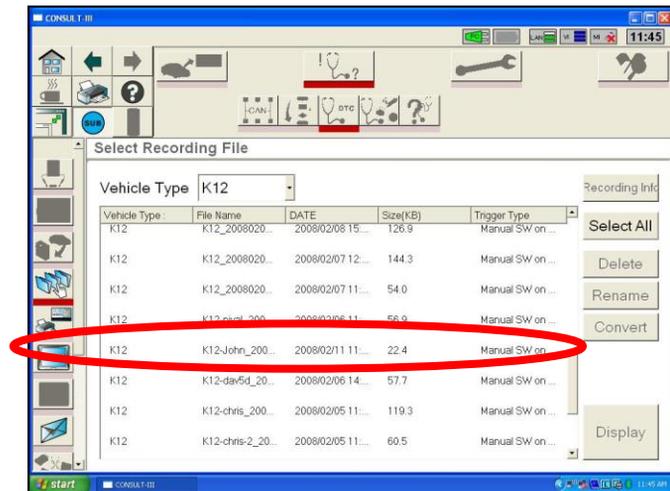
8. (i) Touch “**Sub**”. The main Sub Mode screen will appear over the Data Monitor screen.

(ii) Touch the “**Data Control**” Icon.



9. (i) Highlight the saved file (touch the text area) with the unique name previously given to the file.

(ii) Touch “**Display**” in the bottom right of the screen.

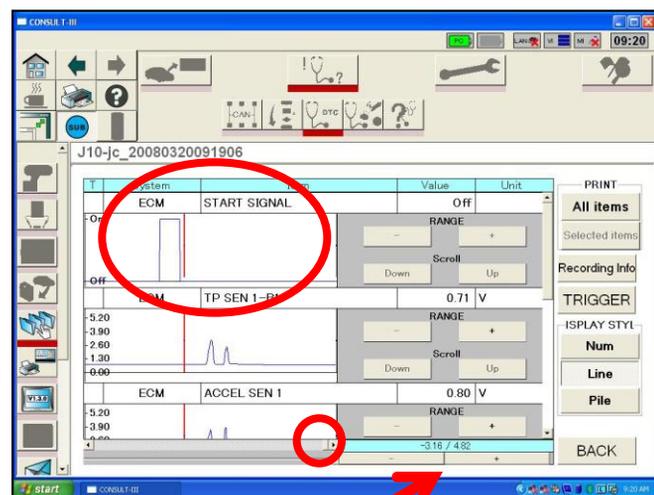


10. (i) Once the next screen appears, select “**Line**”. This will change the recorded data from Numerical to Line graph.

(ii) Ensure that the desired data is displayed. In this example the “**START SIGNAL**” switching from OFF to ON is clearly seen (large circle). This shows when the engine was cranked over.

(iii) It’s possible to slide the data back in time to catch activity well before “**RECORD**” was touched. Use the small slider tab on the screen to do so. (small circle)

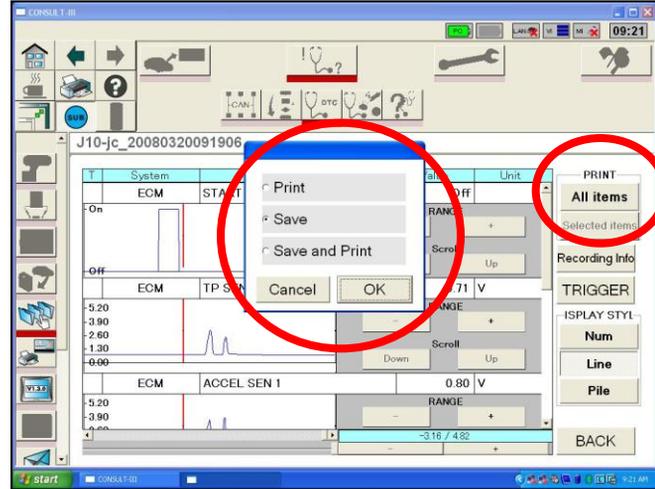
(iv) If so desired, you can compress more data into the same field. Example, instead of the window showing you 3 seconds of data – it can show 12 seconds.



# CONSULT III DATA MONITOR RECORD

11. (i) Touch **“All items”** button under the **“PRINT”** title on the RHS of the screen. A small window will then appear as shown right.

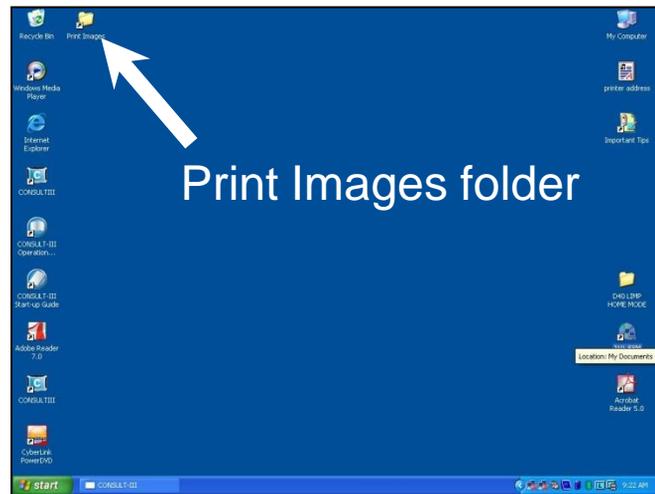
(ii) Touch the **“Save”** button on the field that next appears, followed by OK. (otherwise select print to actually print the graphs onto paper.)



12. Once **“Save”** has been selected, the graphs are converted into images which can be easily viewed on any PC. The image files are sent to a specific folder in the C drive of the PC as follows;

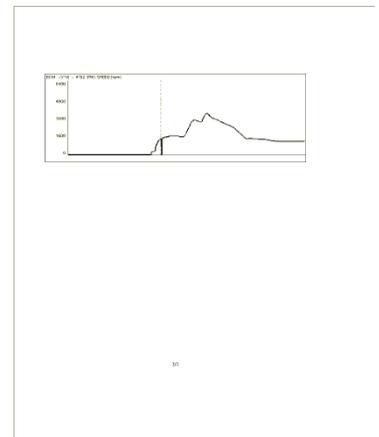
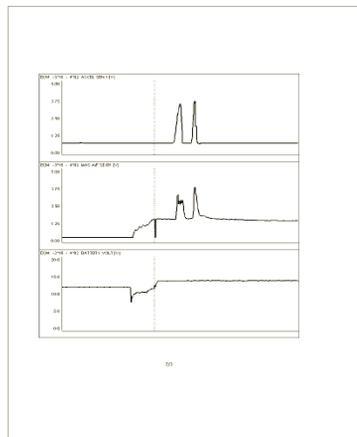
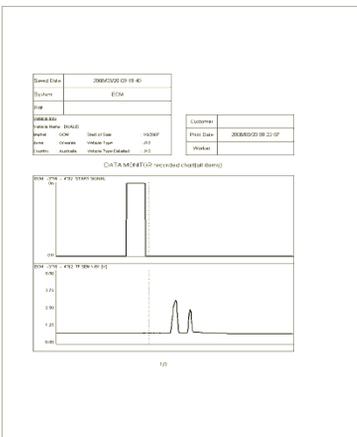
**C:/Consult III/ApplicationData/Print Images**

Locate this folder on the CONSULT III & create a shortcut to the folder on the desktop.



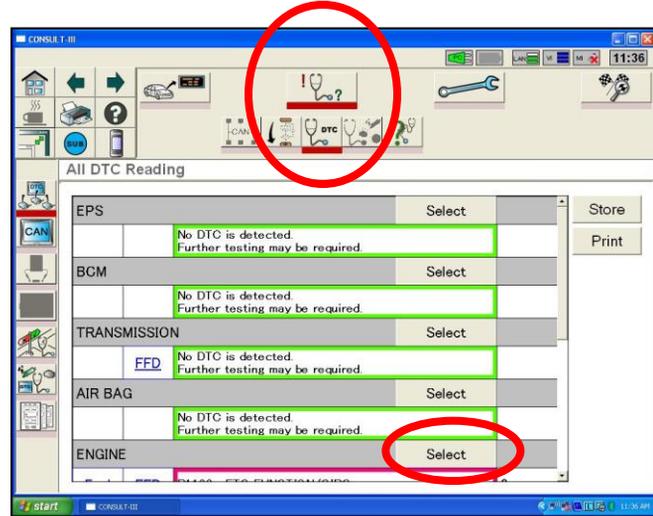
13. THESE FILES CAN BE EASILY ATTACHED TO THE TECHLINE CONTACT. DO NOT FAX GRAPHS TO TECHLINE!!

The graphs show that once the engine was started, the accelerator pedal was press twice & then the engine returned to idle & then the recording finished.



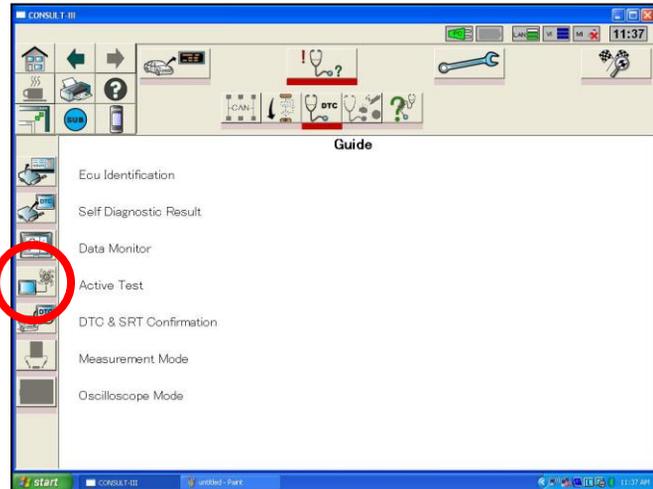
# CONSULT III ACTIVE TEST

1. Ensure that the CONSULT III is in the “**Diagnosis**” section. (There is something wrong so you need to find out what is wrong by going to the Doctor & diagnose the problem)



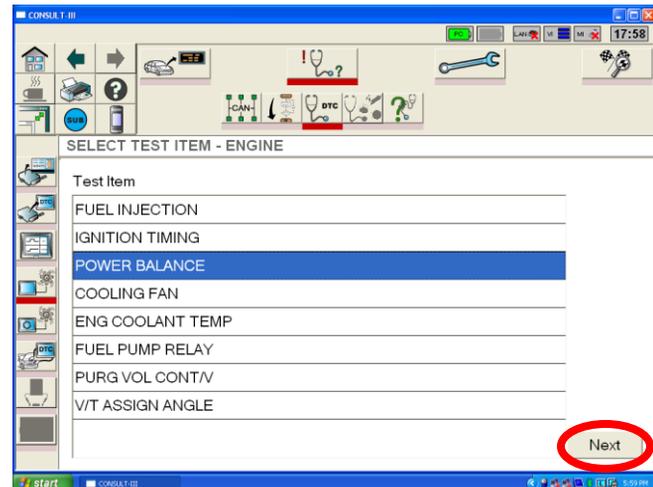
2. Touch the word “**Select**” against the desired vehicle system.

3. Touch the “**Active Test**” Icon on the left of the screen.



4. Select the item that requires the test and touch “**Next**”.

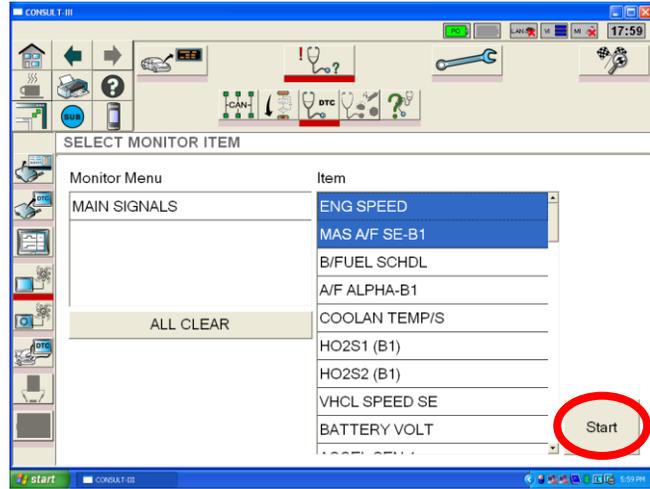
In this scenario, a “**Power Balance**” test is being performed to determine which cylinder on the engine is not firing or which cylinder has the weakest performance.



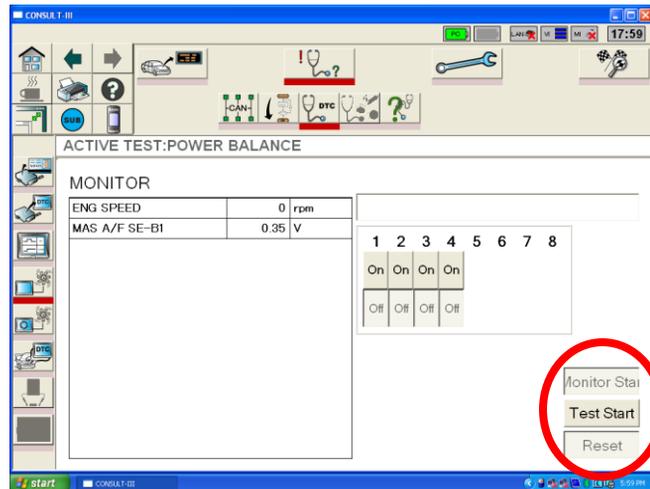
# CONSULT III ACTIVE TEST

5. Numerous inputs can be checked whilst the test is being carried out. Select the desired items & then click **“Start”**.

In the case of performing a cylinder Balance test, the technician will need to monitor air flow quantity & engine RPM.

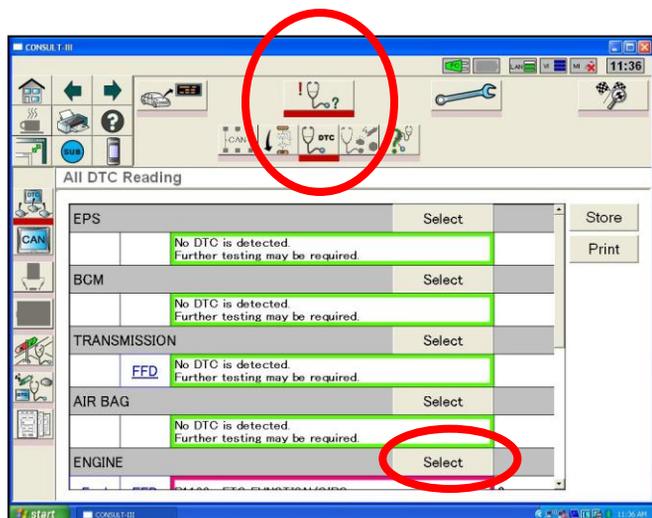


6. Click the appropriate button in the bottom right of the screen to activate the test.



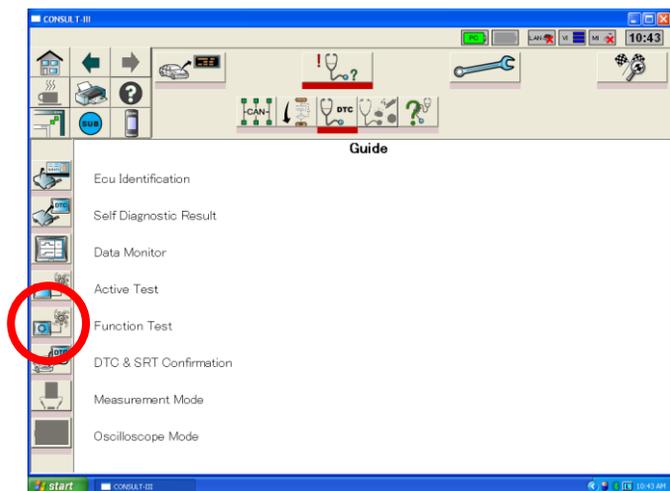
# CONSULT III FUNCTION TEST

1. Ensure that the CONSULT III is in the **“Diagnosis”** section. (There is something wrong so you need to find out what is wrong by going to the Doctor & diagnose the problem)

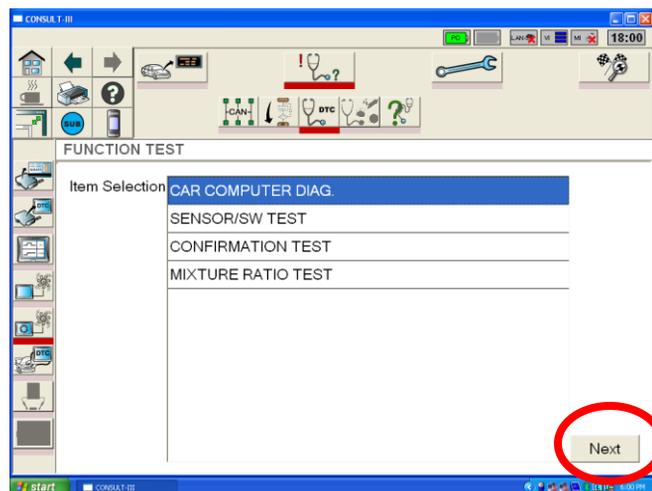


2. Touch the word **“Select”** against the desired vehicle system.

3. Touch the **“Function Test”** icon on the left of the screen.

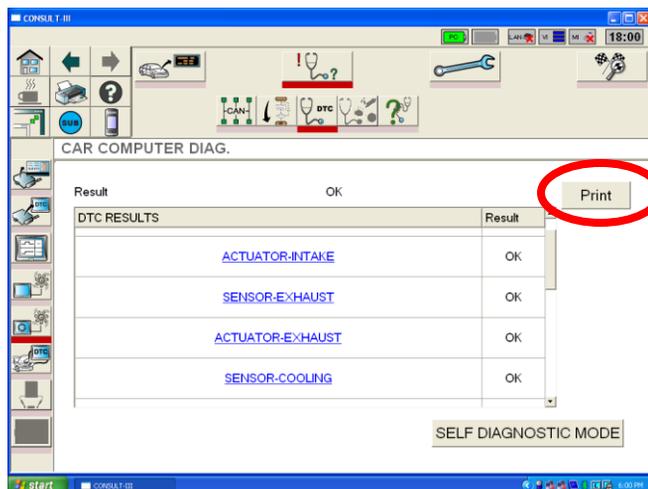


4. Select **“CAR COMPUTER DIAG”** and then the **“Next”** button



# CONSULT III FUNCTION TEST

5. The main areas of the system in question are checked by the CONSULT III & then a report is created & displayed

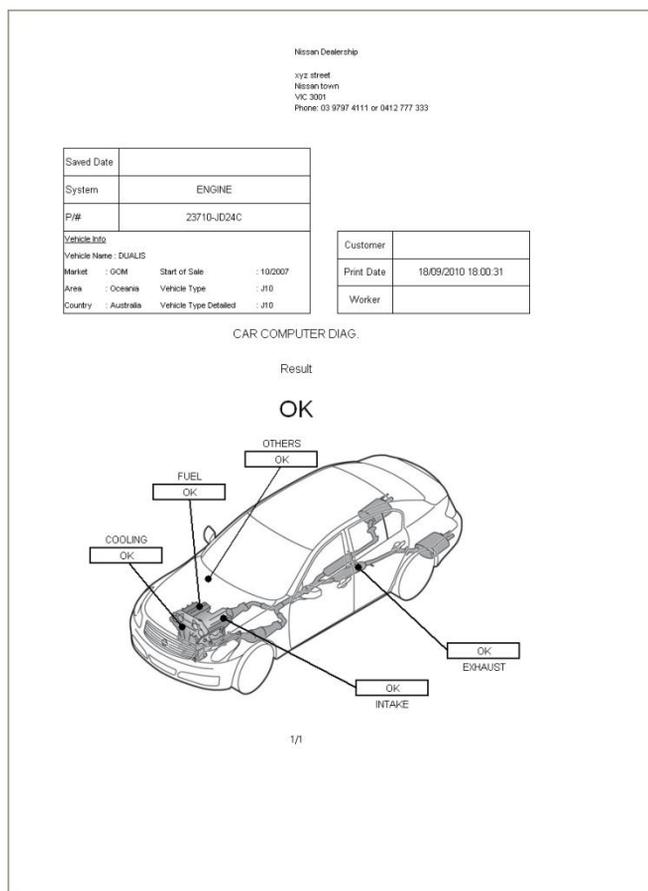


6. Click the “Print” button So an easy to read report is created & attached to the R/O.

## NOTE:

The same report can be performed for the following systems:

- ENGINE
- TRANSMISSION (E-A/T & CVT only)
- ABS
- AIRBAG



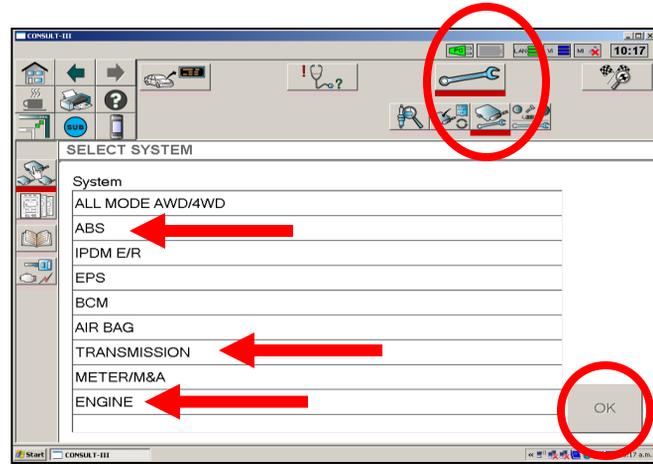
# CONSULT III WORK SUPPORT

1. Select the “**Repair**” function on C-III. Refer to the most upper circled icon. Note the smaller spanner / ECU icon that has to be selected as well.

2. Select desired system & then “**OK**”.

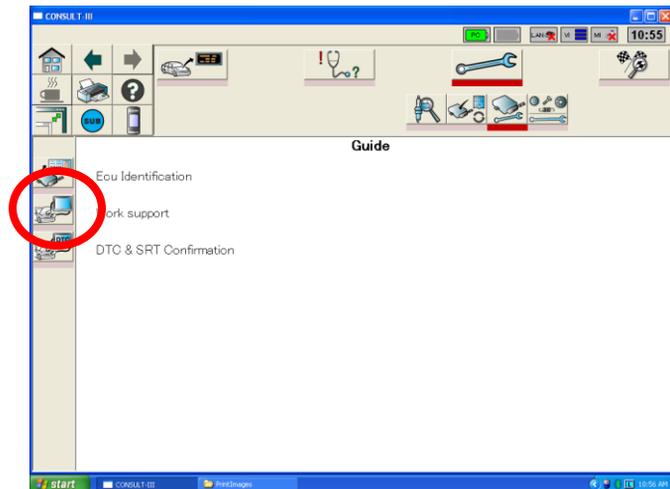
Examples are;

- “**ENGINE**” to perform Idle Air Volume Learn (IAVL)
- “**TRANSMISSION**” to check the CVT fluid deterioration rate (CVT models only)
- “**ABS**” to reset the steering wheel angle “straight ahead” position after front end repairs.
- “**HEAD LAMP**” to reset the Headlight leveliser sensor after replacement or removal of sensor on rear suspension.



The Repair Icon is like the “Maintenance” or Service” icon on the instrument cluster.

3. Touch the “**Work Support**” icon.

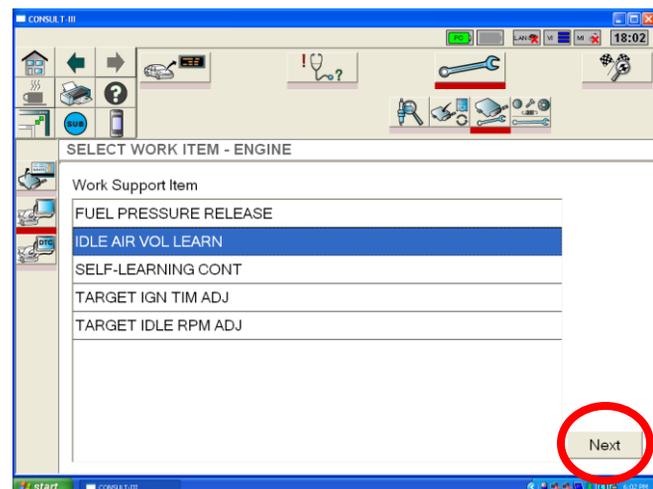


## ENGINE IAVL

1. Select the desired operation & then the “**Next**” button.

### **NOTE:**

In many cases further advice / **WARNINGS** / instructions are given, dependant on the operation being performed.



# CONSULT III WORK SUPPORT

2. Click the “**Start**” to start the operation.

In this example, the IAVL operation is being demonstrated. Wait until the word “**CMPLT**” is displayed at the top of the screen. It should take around 20 seconds.

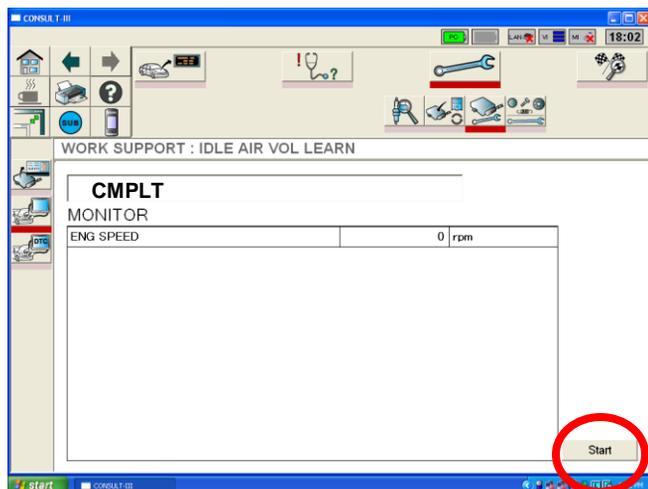
## SPECIAL NOTES REGARDING IAVL:

Refer to the ESM for specific instructions about performing the IAVL as follows;

- **B ENGINE > EC Engine Control > Basic Service (or Basic Inspection) > Idle Air Volume Learning.**

There maybe cases where it will not complete unless certain conditions are met. The following list details what can stop the IAVL successfully completing it self:

- The Accelerator Pedal Released Position Learning & Closed Throttle Position Learning has **NOT** been carried out properly. It may need to be repeated up to 20 times (Ign OFF for 12 seconds / ON for 3 seconds & repeat up to 20 times. 3 – 5 cycles OK for new engine)
- Both Target settings found in “WORK SUPPORT” on CONSULT are not set to “0”
- Engine is not at operating temperature (min 70deg). Even though the Engine may feel hot, make sure this temperature is indicated in “DATA MONITOR”.
- Engine is too hot (above 90 deg C)
- Poor Power Supply to ECM
- Bad Ground Connections for ECM
- An Electrical Load is ON. (Heater fan, lights, audio)
- Switch inputs such as P/N Posi, Power Steering pressure are indicating that the transmission is in Neutral or the Power Steering system is under load.
- There is a **BASIC ENGINE MECHANICAL PROBLEM** such as an intake system air leak, compression issues, fuel supply issues or ignition system issues.
- Throttle valve isn't closed properly. Typically excessive carbon is fouling the operation of the throttle unit.



**CMPLT should appear after 20 seconds or less. Check the items listed left if CMPLT does not Appear after 40 seconds.**

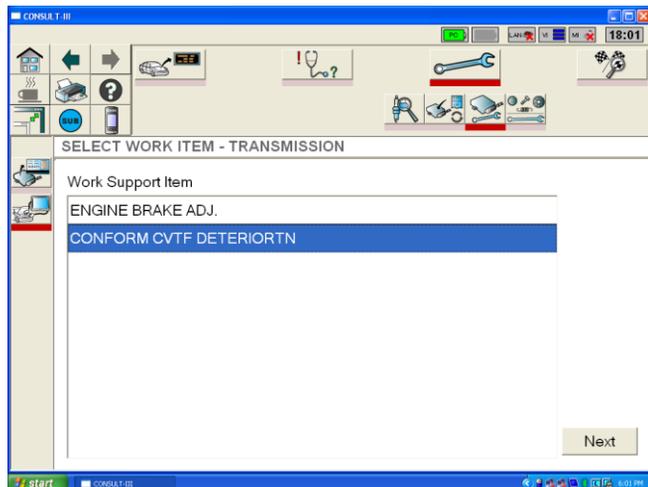
## TWIN THROTTLE ENGINES:

The The Accelerator Pedal Released Position Learning & Closed Throttle Position Learning needs carried out a **minimum** of 6 times. The Ignition OFF cycle needs to be 12 seconds.

# CONSULT III WORK SUPPORT

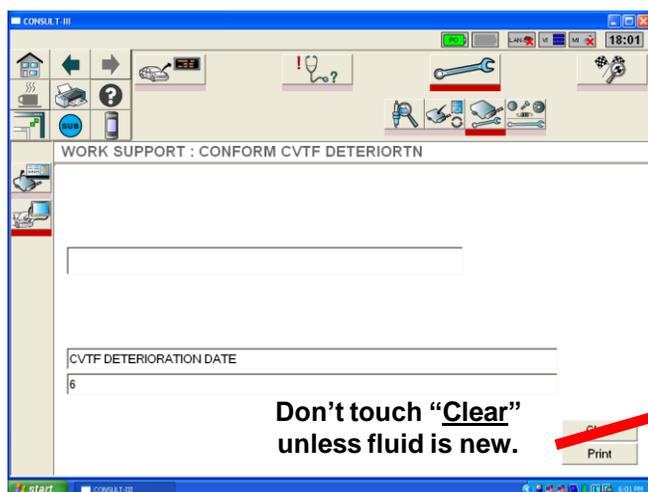
## TRANSMISSION CVTF DETERIORATION CHECK

1. For CVT equipped models only, the CVT fluid Deterioration can be checked.



Once the value reaches **210000**, the fluid must be replaced.

Once new fluid has been added to the transmission, ensure to touch the **“Clear”** button.

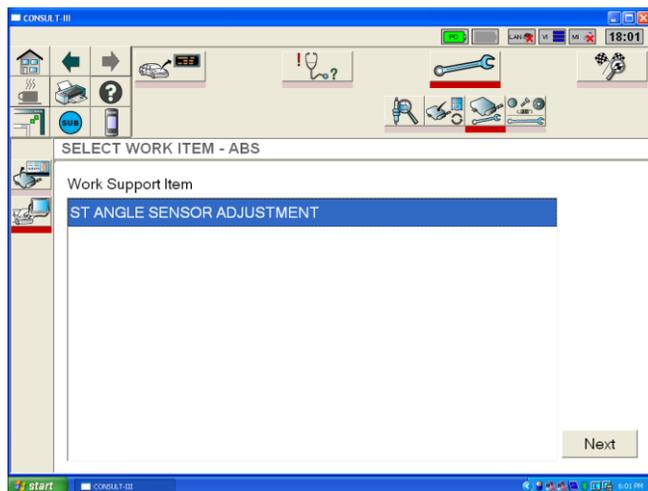


## ABS (VDC) STEERING ANGLE SENSOR ADJUST

1. For ABS / VDC equipped vehicles, if the Steering wheel angle sensor needs to be reset following a wheel alignment , suspension work etc. select **“ABS”** (as per 2 pages back) , **“Work Support”** & then select **“ST ANGLE SENSOR ADJUSTMENT”**

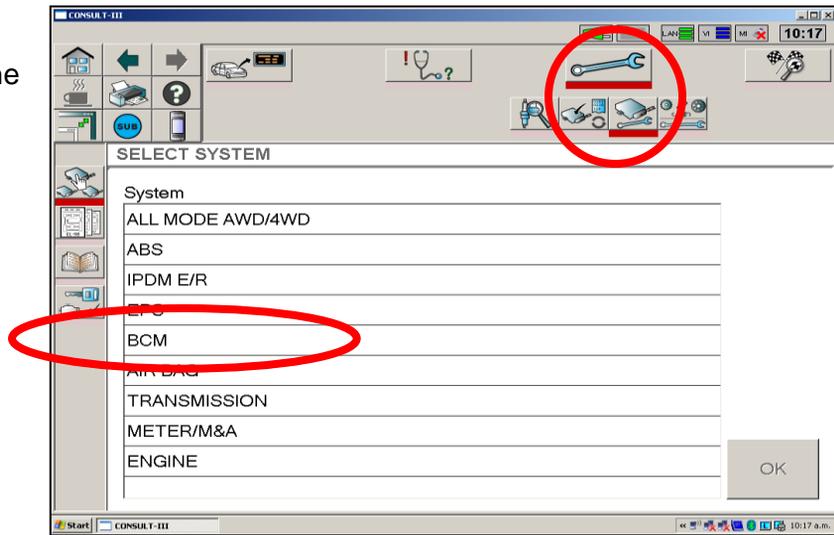
Follow the on-screen instructions.

For R51, the G Sensor Adjustment can also be performed.



# BCM CONFIGURATION

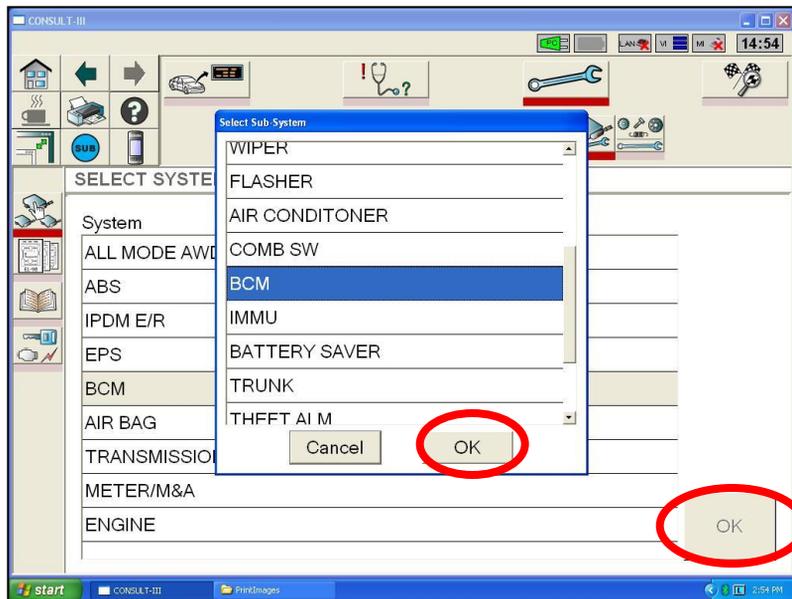
1. Select the **“Repair”** function on C-III.  
Refer to the most upper circled icon. Note the smaller spanner / ECU icon that has to be selected as well.



2. Select **“BCM”**

**NOTE:**  
The Repair Icon is like the **“Maintenance”** or **Service”** icon on the instrument cluster.

3. Scroll down a little on the next screen that appears & once again select **“BCM”** & then touch the 2 x OK buttons.

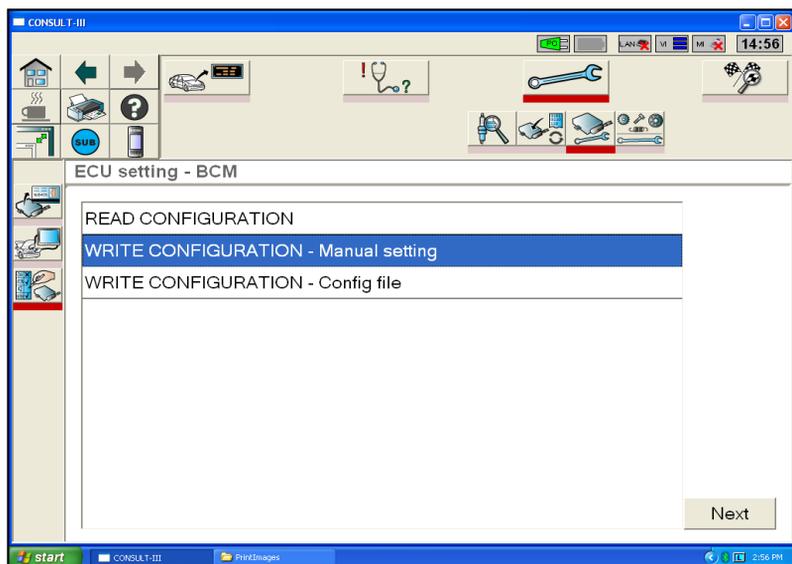


4. When the next screen appears, (Screen not shown) select **“Configuration.”**

5. To configure a BRAND NEW BCM to a vehicle (or change any settings) – select the **“WRITE CONFIGURATION”** option.

Once any settings have been changed, click the **“Setting”** button in the RH bottom corner of the screen. An **“OK”** button will then appear in it's place. Click this **“OK”** button & then the new settings will be locked into place.

If there is any doubt on what to write to the BCM, connect C-III to another vehicle of the same specification & utilise the **“READ CONFIGURATION”** option & print off the screen.



# BCM CONFIGURATION

## C11 Tiida (All variants 2006MY >)

- 2010MY> Ti Hatch / Sedan variants with "AUTO A/C".

- Regardless of Transmission fitted, do not set "TRANSMISSION" as "A/T". (otherwise an Alarm will sound when A/T shift lever is in the "R" position.)

WRITE CONFIGURATION		
PLEASE CHANGE THE BELOW SETTING VALUE TO CONNECTED VEHICLE CONFIGURATION. REFERRING TO SM.		
ITEM	SET VAL	
①	KEYLESS ENTRY	WITH
②	I-KEY	WITHOUT
③	AUTO LIGHT	WITHOUT
④	H/L BULB	H4 HALOGEN
⑤	RRR FOG LAMP	WITHOUT
⑥	HANDLE	RHD
⑦	AIR COND	MAN A/C for all except 2010MY Ti
⑧	RR WIPER GND	MODE 1 + Hatch MODE 2 + Sedan
⑨	TRANSMISSION	M/T (see note)

Items on screen of CONSULT III will appear in a different order

- Select "WITH" for a vehicle with remote keyless entry system, or "WITHOUT" for a vehicle with Intelligent Key system.
- Select "WITH" for a vehicle with Intelligent Key system, or "WITHOUT" for a vehicle with remote keyless entry system.
- Select "WITH" for a vehicle with auto light system, or "WITHOUT" for a vehicle without auto light system.
- Select "H4 HALOGEN" for a vehicle with halogen type headlamp, or "DEFAULT" for a vehicle with xenon type headlamp.
- Select "WITHOUT".
- Select "RHD".
- Select "AUTO A/C" for a vehicle with automatic air conditioner, or "MANUAL A/C" for a vehicle with manual air conditioner.
- Select "MODE 1" for a vehicle with rear wiper. (Rear wiper does not operate when "MODE 2" is selected.)
- All variants must be set to Manual Transmission

## J10 Dualis (All variants 2008MY>)

- List shown right applies from Oct 2009 onwards. For earlier models, PTC HEATER & DTRL does not appear on list. Otherwise the settings shown right apply to all J10 variants.

MANUAL SETTING ITEM		NOTE
Items	Setting value	
AUTO LIGHT	WITH ⇔ WITHOUT	• WITH: All Dualis Ti • WITHOUT: All Dualis ST This option may not appear on some models
PTC HEATER	WITHOUT	
HANDLE	RHD	—
SUPER LOCK	WITH	—
KEYLESS ENTRY	WITH ⇔ WITHOUT	• WITH: All Dualis except for 2010MY Ti • WITHOUT: For 2010MY Ti (Will default to "WITH I-KEY")
DTRL	WITHOUT	This option may not appear on some models
DOOR/L SPEED	WITHOUT	—
KEY WARNING	MODE1	—
INT TRUNK LAMP	MODE1	—

## T31 X-TRAIL (All variants 2007MY>)

- List shown right applies from July 2010 onwards. For earlier models, there are only 4 changeable items. Refer to the list shown right for these settings.

MANUAL SETTING ITEM		NOTE (Dates quoted are vehicle "BUILT" dates)
Items	Setting value	
KEYLESS ENTRY	WITH ⇔ WITHOUT	• WITH: Without Intelligent Key system • WITHOUT: With Intelligent Key system
I-KEY	WITH ⇔ WITHOUT	• WITH: With Intelligent Key system • WITHOUT: Without Intelligent Key system
H/L BULB	H4 HALOGEN ⇔ DEFAULT	• H4: July 2007 ~ June 2010 • DEFAULT: July 2010 > (regardless of Xenon or H4 lights fitted)
AUTO LIGHT	WITH ⇔ WITHOUT	• WITH: July 2010 > Ti / TL models with Xenon Lights ("Auto" on light switch) • WITHOUT: All other models.
HANDLE	RHD	—
H/L WASHER	WITH ⇔ WITHOUT	• WITH: Ti / TL with Xenon Headlights (Washer jets on front bumper) • WITHOUT: Models with H4 headlights
THEFT ALARM	WITH ⇔ WITHOUT	• WITH: All Diesel X-TRAILS. (Hood switch indicates models with Theft Alarm) • WITHOUT: All Petrol X-TRAILS
PANIC ALARM	MODE1 ⇔ MODE2	• MODE2: Without panic alarm (I-KEY models only) • MODE1: With panic alarm (All others with red button on Key head)
RAIN SENSOR	WITH ⇔ WITHOUT	• WITH: (July 2010 > Ti / TL. "Auto" on wiper stalk.) • WITHOUT: (Ti / TL before July 2010. All ST, ST-L & TS)

## R51 Pathfinder / D40 Navara (Spain / Thai)

- The list shown right applies to all R51 & Spain build D40

- For all Thailand build D40, there is only 1 changeable item; "KEYLESS ENTRY"

- For all D40 RX 2005 ~ 2010MY, KEYLESS ENTRY = WITHOUT

MANUAL SETTING ITEM		NOTE
Items	Setting value	
THEFT ALARM	WITHOUT	
KEYLESS ENTRY	WITH ⇔ WITHOUT	• WITH: Without Intelligent Key system • WITHOUT: With Intelligent Key system
I-KEY	WITH ⇔ WITHOUT	• WITH: With Intelligent Key system • WITHOUT: Without Intelligent Key system
H/L BULB	H4 HALOGEN ⇔ DEFAULT	• H4 HALOGEN: Halogen headlamp • DEFAULT: Xenon headlamp
AUTO LIGHT	WITHOUT	—
HANDLE	RHD	—
DTRL	WITHOUT	—
THEFT ALM TYPE	BCM ALARM	—

# BCM CONFIGURATION

## Z51 Murano (All variants 2009MY >)

- 2009MY ST Murano is **not** fitted with "I-KEY"
- 2010MY> ST Murano is fitted with "I-KEY"  
(Look for small button on the exterior door handles - both front doors to confirm)

Z51 Murano ST	
Item	Value
AUTO LIGHT	WITHOUT
AV C/U	WITHOUT
AUTO BACK DOOR	WITHOUT
THEFT ALM AREA	WITHOUT
RAP FUNC SET	MODE1
THEFT ALARM	WITHOUT
I-KEY	WITHOUT WITH FOR 2010MY
RAIN SENSOR CONFIG	WITHOUT
Key Fob Type	MODE9
FOG ON WITH AUTO LIGHT	WITHOUT
HANDLE	RHD

For Z51 Murano ST 2010MY onwards, I-KEY has been added.

Z51 Murano Ti	
Item	Value
AUTO LIGHT	WITH
LIGHT&RAIN SEN TYPE	MODE3
AV C/U	WITH
AUTO BACK DOOR	WITH
THEFT ALM AREA	MODE3
RAP FUNC SET	MODE1
THEFT ALARM	WITH
I-KEY	WITH
RAIN SENSOR CONFIG	WITH
Key Fob Type	MODE7
FOG ON WITH AUTO LIGHT	WITHOUT
HANDLE	RHD

## J31 Maxima (All variants 2009MY>)

- 250 ST-L variant is **not** fitted with "I-KEY"
- 250 ST-L / 350 ST-S variants are **not** fitted with "AV C/U" (colour screen / Sat Nav)

J32 Maxima	
Item	Value
AUTO LIGHT	WITH
AV C/U	WITH (ST-L 250+ST-S 350 = W / OUT)
RR FOG LAMP	WITH
THEFT ALM AREA	WITHOUT
RAP FUNC SET	MODE2
H/L WASHER TIME 1	WITH
H/L WASHER TIME 2	WITH
I-KEY	WITH (ST-L 250 = WITHOUT)
Key Fob Type	MODE1
HANDLE	RHD

For 250 ST-L, I-KEY is not fitted.

For 250 ST-L & 350 ST-S, AV C/U (Navi) is not fitted.

## Z34 370Z (All variants 2009MY >)

Item	Value
AV C/U	WITH
TPMS	WITHOUT
THEFT ALM AREA	WITHOUT
Key Fob Type	MODE9
HANDLE	RHD
ASCD CANCEL SW TYPE	MODE2 for A/T MODE1 for M/T
Z34 COUPE	

Item	Value
TIRE PRESSURE	240kPa
AV C/U	WITH
TPMS	WITHOUT
THEFT ALM AREA	WITHOUT
HANDLE	RHD
ASCD CANCEL SW TYPE	MODE2 for A/T MODE1 for M/T
HZ34 ROADSTER	

# BCM CONFIGURATION

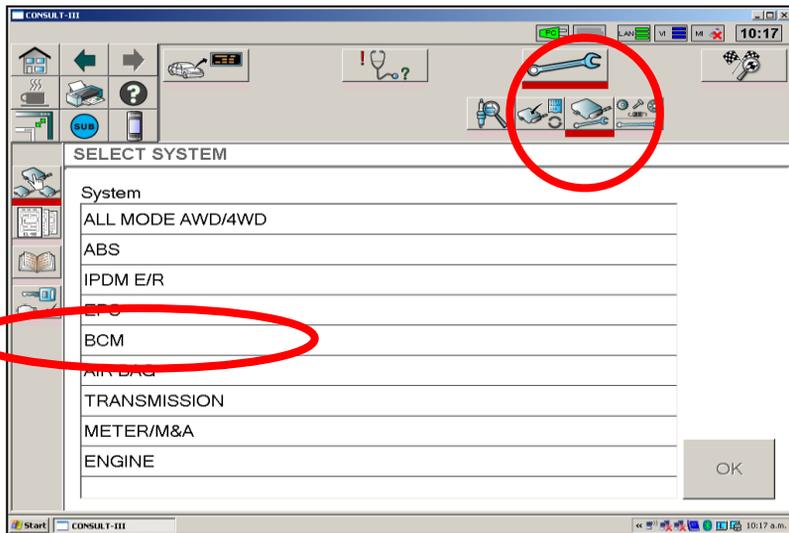
**K13 Micra (All variants 2010MY >)**  
 - Take careful note of vehicles fitted with I-KEY.

Models with <u>Intelligent Key</u> ( Micra Ti )	
I-KEY SYS FREQUENCY TYPE	MODE3
AUTO LIGHT	WITH
Key Fob Type	MODE2
TRANSMISSION	M/T or A/T
AUTO LOCK&UNLOCK FUNC	WITH
BLOWE FAN SIG	MODE1
UNLK SEN LGIC	MODE2

Models <u>without</u> I-KEY (ST & ST-L)	
CAN CONNECTION UNIT	M/T = WITHOUT A/T = MODE 4
KEYLESS ENTRY	WITH
AUTO LIGHT	ST = WITHOUT ST-L = WITH
AUTO LOCK&UNLOCK FUNC	WITH
REAR WIPER	WITH
BLOWE FAN SIG	MODE2
UNLK SEN LGIC	MODE2
ABS	WITH

# PROGRAMMING KEYLESS REMOTES (T31 / C11 / K12)

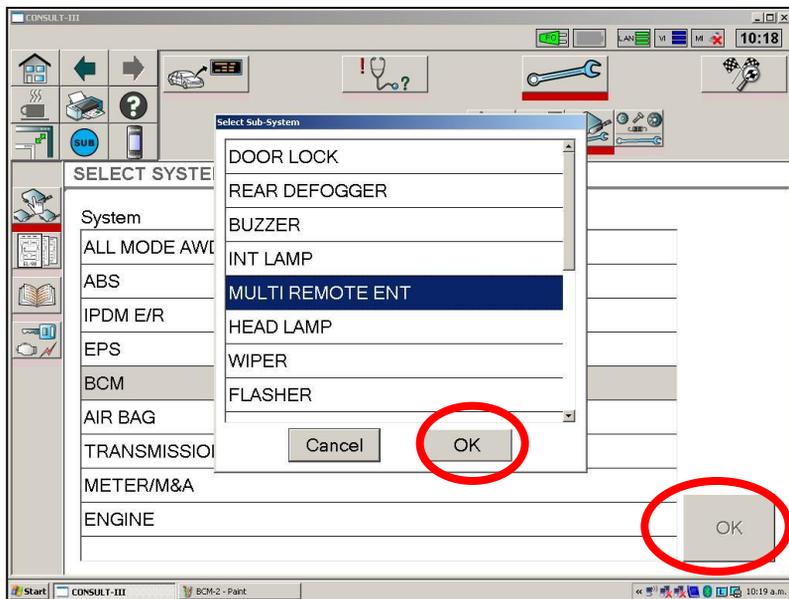
1. Select the **“Repair”** function on C-III. Refer to the most upper circled icon. Note the smaller spanner / ECU icon that has to be selected as well.



2. Select **“BCM”**

**NOTE:**  
The Repair Icon is like the **“Maintenance”** or **Service”** icon on the instrument cluster.

3. Select **“MULTI REMOTE ENT”**. & then the 2 x OK buttons.



4. When the next screen appears, (Screen not shown) select **“Work Support.”**

5. Select the **“REMO CONT ID REGIST”** function to program the remotes.

Test item	Description
REMO CONT ID CONFIR	It can be checked whether key fob ID code is registered or not in this mode.
REMO CONT ID REGIST	Key fob ID code can be registered.
REMO CONT ID ERASUR	Key fob ID code can be erased.
PANIC ALRM SET	Panic alarm operation mode can be changed in this mode. <ul style="list-style-type: none"> <li>• MODE 1: 0.5 seconds</li> <li>• MODE 2: OFF</li> <li>• MODE 3: 1.5 seconds</li> </ul>
HAZARD LAMP SET	Hazard reminder function mode can be changed in this mode. <ul style="list-style-type: none"> <li>• MODE 1: OFF</li> <li>• MODE 2: unlock only</li> <li>• MODE 3: lock only</li> <li>• MODE 4: lock and unlock</li> </ul>
AUTO LOCK SET	Auto door lock time can be changed in this mode. <ul style="list-style-type: none"> <li>• MODE 1: 0.5 minute</li> <li>• MODE 2: OFF</li> <li>• MODE 3: 1 minute</li> </ul>
TRUNK OPEN SET	This is displayed even when it is not equipped.

# PROGRAMMING KEYLESS REMOTES (Y61 2010MY)

## ID Code Entry Procedure

### STEP 1

Close all doors

(Observe the operation of the interior light with each door to ensure the door switches are OK).

### STEP 2

Operate lock using the driver side door lock and unlock switch (on P/Window sw assy.)

### STEP 3

1. Remove and insert the key into the ignition key 6 times within 10 seconds (turning the key barrel switch from OFF to ON counts as 1 time).

2. Hazard warning lamp blinks and all door unlocks.

#### NOTE:

On the sixth key insertion, keep the key in the cylinder with the key barrel switch ON.

Does the hazard lamp blink and all doors unlock?

YES >> GO TO STEP 4.

NO >> GO TO STEP 1.

### STEP 4

Within 3 seconds after the hazard lamp blinks and all door unlocks, turn ignition switch to the ACC position and operate lock using the driver side door lock and unlock switch.

### STEP 5

1. Press the lock or unlock button of the keyfob to be added.

2. All doors unlock simultaneously.

3. Hazard warning lamp blinks and all door unlocks.

4. Key ID is registered.

Is key ID registered?

YES-1 >> When adding a keyfob: GO TO STEP 6.

YES-2 >> When ending registration: GO TO STEP 8.

NO >> GO TO STEP 1.

### STEP 6

Operate lock using the driver side door lock and unlock switch.

### STEP 7

1. Press the lock or unlock button of the keyfob to be added.

2. All doors unlock simultaneously.

3. Hazard warning lamp blinks and all door unlocks.

4. Key ID is registered.

Is key ID registered?

YES-1 >> When adding a keyfob: GO TO STEP 6.

YES-2 >> When ending registration: GO TO STEP 8.

NO >> GO TO STEP 6.

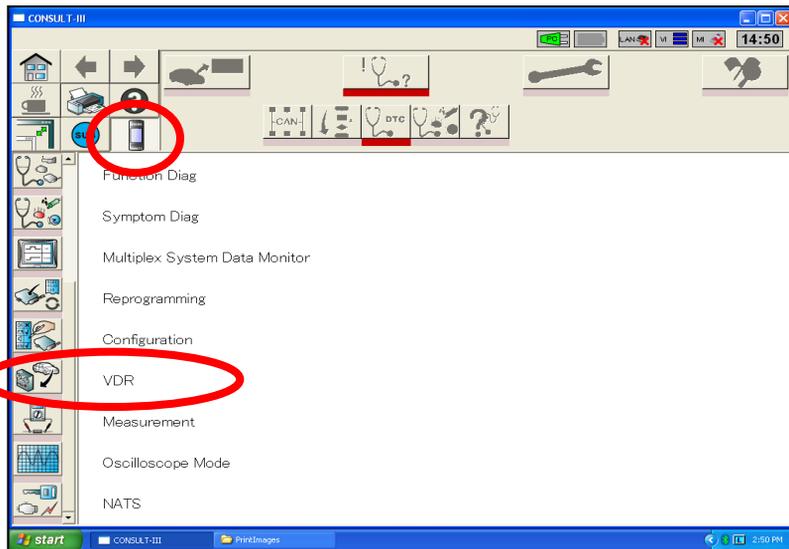
### STEP 8

Open the all doors >> REGISTRATION END.

For Y61 Patrol 2006 ~ 2009MY, refer to STB; EL06-008a

# SETTING UP THE VDR

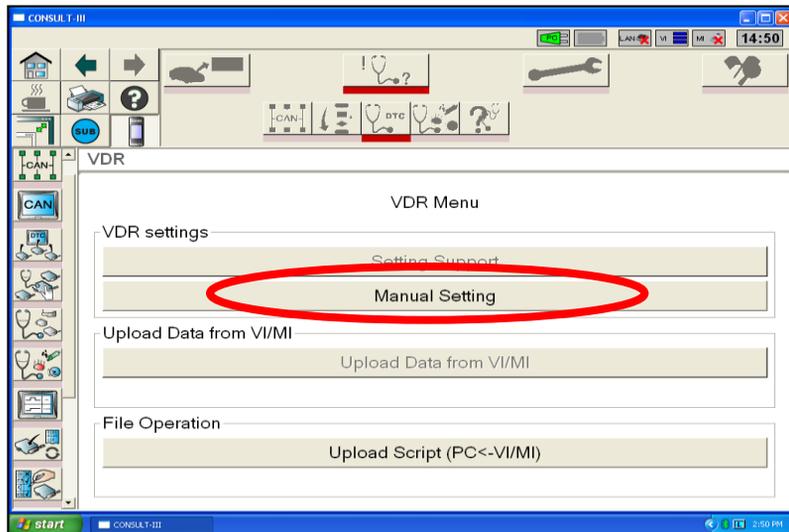
1. With C-III connected to the vehicle, select the “Direct Diagnosis” icon (picture of CONSULT II) & then scroll down to find the “VDR” icon.



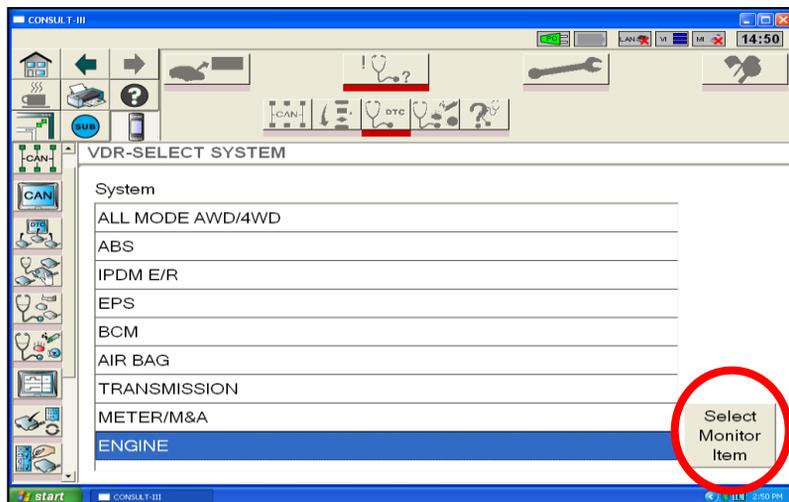
2. Click on the VDR icon.

**NOTE:**  
The Direct Diagnosis icon is another way to quickly access items such as “DATA MONITOR” or “ACTIVE TEST”.

3. Click on “Manual Setting”.



4. Select the desired system & then touch the “Select Monitor Item” button.

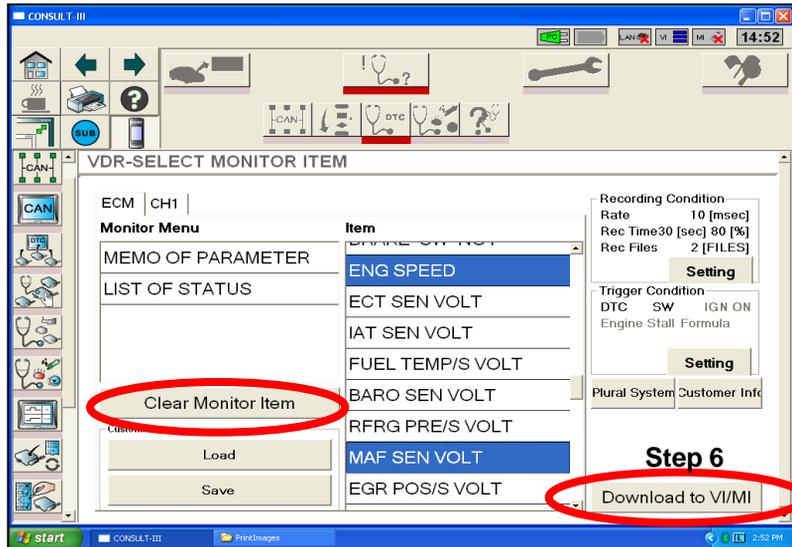


# SETTING UP THE VDR

4. Touch the “Clear Monitor Item” button (un-highlights the pre-selected items)

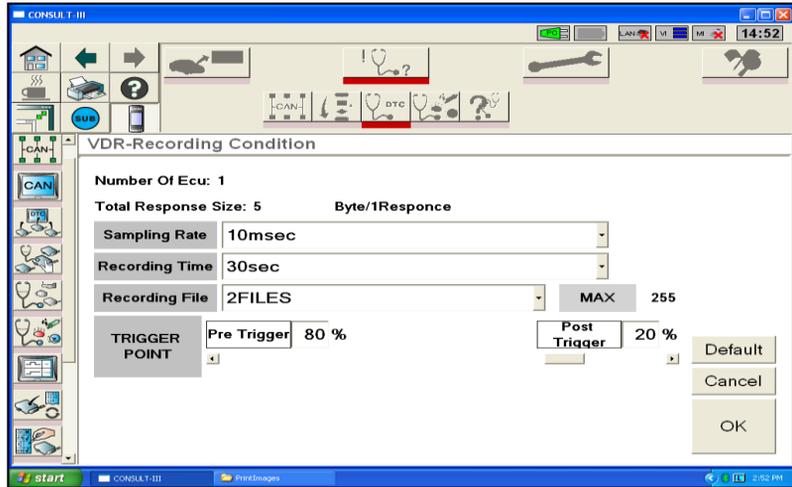
5. Touch the items that require recording as follows;

- CKPS-RPM (TDC)
- ACCEL POS SEN
- ACT CR PRESS
- MAS AIR/FL SE\*
- MAIN INJ WID
- PUMP CURRENT
- INT/M PRES SE
- EGR/V ANGLE



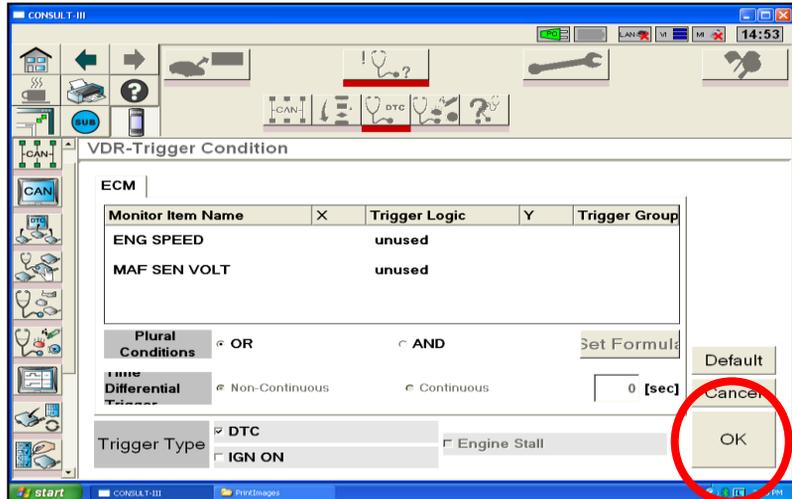
5a. Touch the upper ”Setting” tab.  
 • Ideally the “sampling rate should be slowed down a little (20 or 30m-sec)  
 • It would also be suggested to increase the recording time to **3 minutes**.  
 • Change the trigger point to 20%-80%

5b. The lower setting can be selected to set items such as an auto record on engine stall or when a DTC is set. Simply tick or un-tick the appropriate boxes.



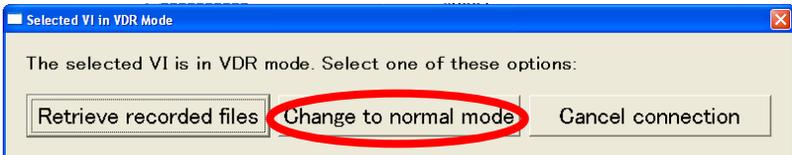
## LAST STEP

6. Once all of the items that require recording & the settings have been set, touch the “Download to VI/MI” button (bottom right of screen). The VI is to remain **CONNECTED TO THE VEHICLE**, however the C-III can be shut down.



7. **Reconnection of VDR to CONSULT**  
 After Data Record activity is complete, connect the VDR to CONSULT via the normal method. (Or power up the VDR with it’s power adapter)

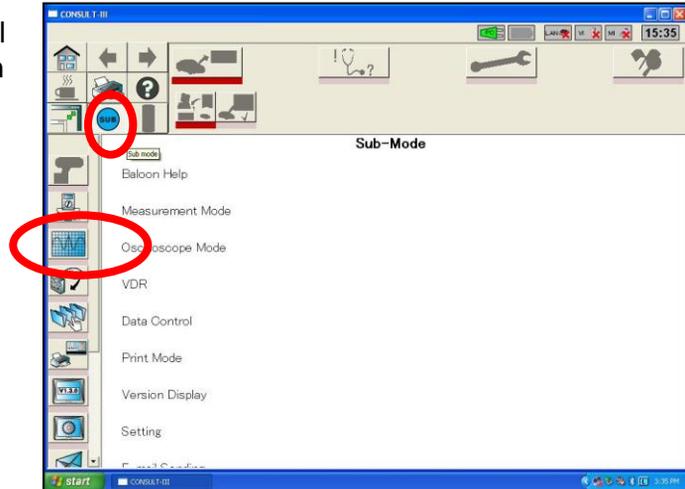
The screen shown right will appear. Make sure to select “**Change to Normal Mode**” Follow Steps 1 ~ 3 of these instructions (On previous page) At step 3, select the “Upload Data from VI/MI option.”



# CONSULT III MI / OSCILLOSCOPE

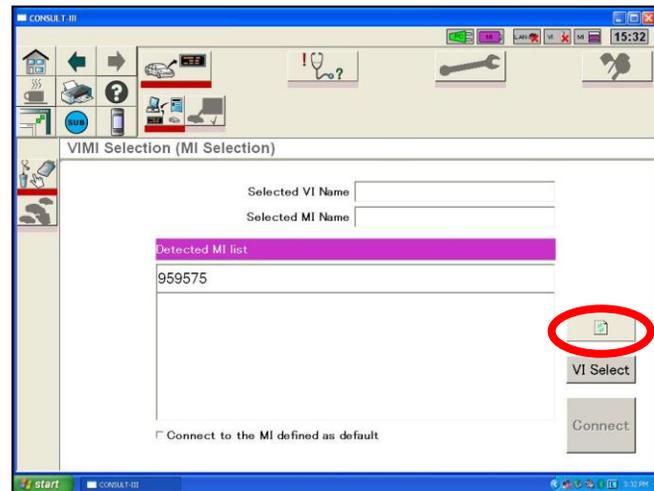
1. Switch on the MI unit. The ON / OFF button is a small round rubber button on the side of the MI unit. 2 x green LED lights should flash & remain illuminated.

2. Refer to screen picture right. Touch the “**Sub**” button & then touch “**Oscilloscope**”.



3. After selecting the “**Oscilloscope**” function in the “**Sub**” menu, the screen shown right will appear.

4. Ensure that the serial number of the MI appears in the “**Detected MI List**”. It maybe necessary to select the “**Refresh**” button circled right.

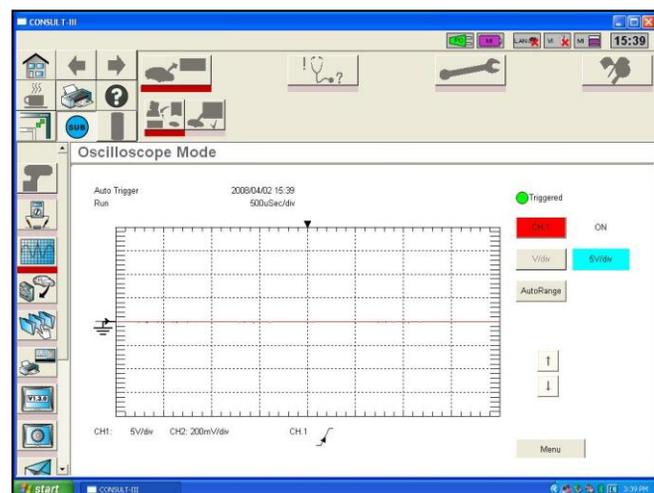


5. Touch the RED coloured “**CH 1**” button. Once the screen changes, touch the “**V/Div**” button. Use the Up / Down arrows to change the V/Div setting to **5V / Div**.

6. Touch the “**Menu**” button to return to the main screen.

7. Touch the “**–**” magnifying glass button to change the view of the pattern.

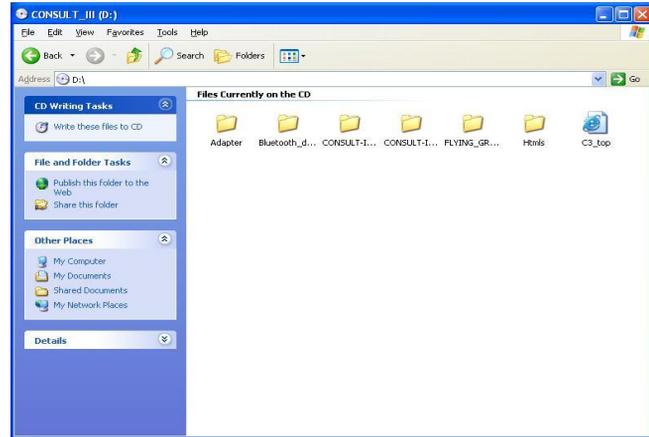
**NOTE**; It maybe necessary to touch the “**Stop**” button twice to view the live data.



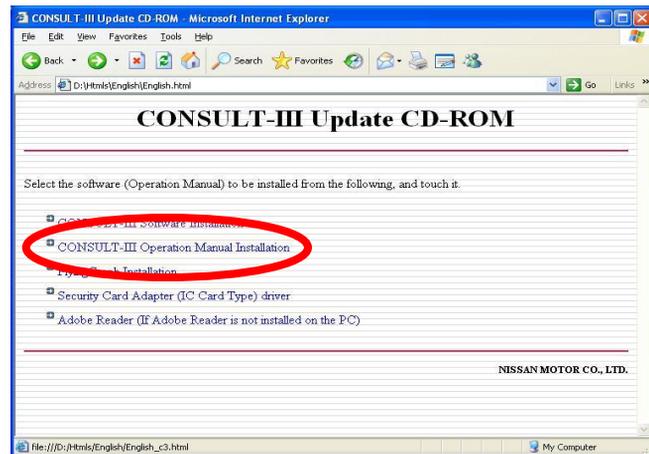
# HOW TO UPDATE CONSULT III OPERATION MANUAL

1. Install the C-III software update disc (9.17 or 9.18) in the C-III Disc Drive (Drive D)

Click **“Start”** in the bottom left of the screen & then click **“My Computer”**. Double click on the **“D Drive”** icon. The screen shown right should appear. Double Click the **“C3 Top”** Icon.



2. Once the screen shown right appears, click on the **“CONSULT III Operation Manual; Installation”** link.

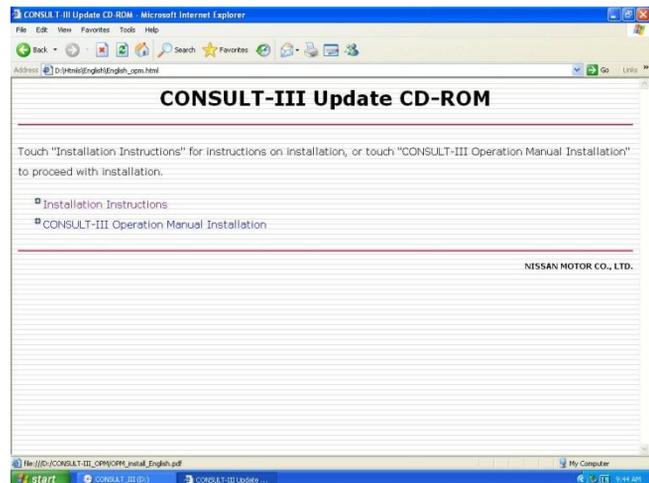


3. For detailed instructions on how to install the software, click on the link **“Installation Instructions”**.

Otherwise, click on the link **“CONSULT-III Operation Manual Installation”** & follow the obvious on-screen prompts.

## NOTE:

- This will take around 30 minutes to completely install.
- The latest version of the Operation Manual must be installed so that the new K13 Micra can be supported.

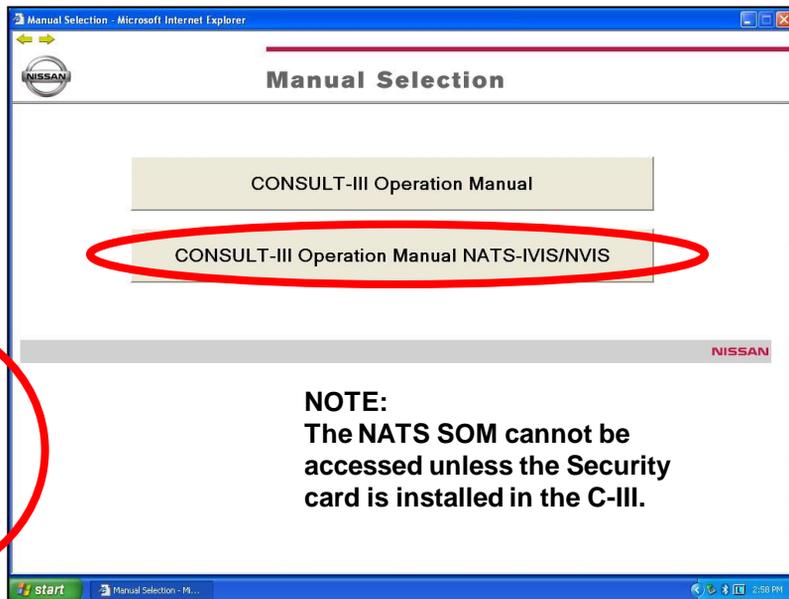


# ACCESS TO NATS SOM – Updated Type

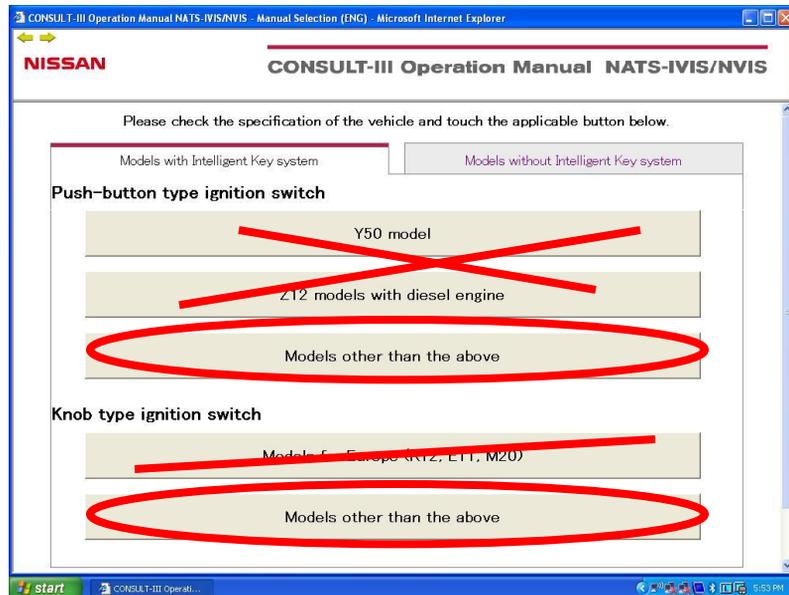
1. Install the NATS Security Card in the CONSULT III.

2. Double click on the “CONSULT III Operation Manual”. The screen shown right will open.

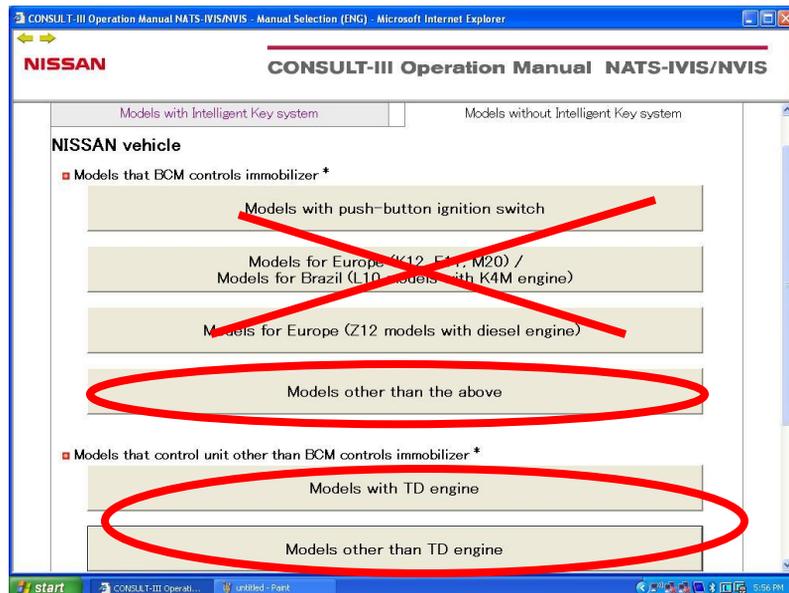
3. Click on “CONSULT III Operation Manual NATS-IVIS/NVIS”



4 a. Select the tab for Intelligent Key type vehicles. The items circled refer to Australian market vehicles.



4 b. Otherwise select the tab for Non Intelligent Key vehicles. The items circled refer to Australian market vehicles.



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# ACCESS TO NATS SOM – Early Type

5. Follow the on screen instructions after clicking on “WORK FLOW” & “PREPARATION”

This is where the step by step procedure for how to program NATS keys is located.

It can NEVER be printed & you can only read it if the NATS security card is installed in the CONSULT III Lap-Top PC.

