

Nissan Reprogramming User Guide

Version 1.0

August 2011

Foreword

This document describes DG Technologies VSI-2534, a SAE J2534 Pass-Thru device, with its primary purpose to program automotive ECUs (Electronic Control Units). It provides module programming for development, end-of-line testing and re-programming. This document shows the general procedures for purchasing, installing and using the OEM programming application with the VSI-2534 Pass-Thru device. Because the procedures are generic in nature, this may not capture every screen or every scenario for each and every vehicle. For any screen, read the directions on the screen and proceed as indicated. Programming is vehicle specific and directions may vary. All documentation is subject to change at any time. Any and all OEM documentation should be read in its entirety along with the vehicle Service Manual prior to programming.

The VSI-2534 is also useful for vehicle diagnostics, development, general design, hardware in-the-loop simulation and anywhere communications with a vehicle network are required.

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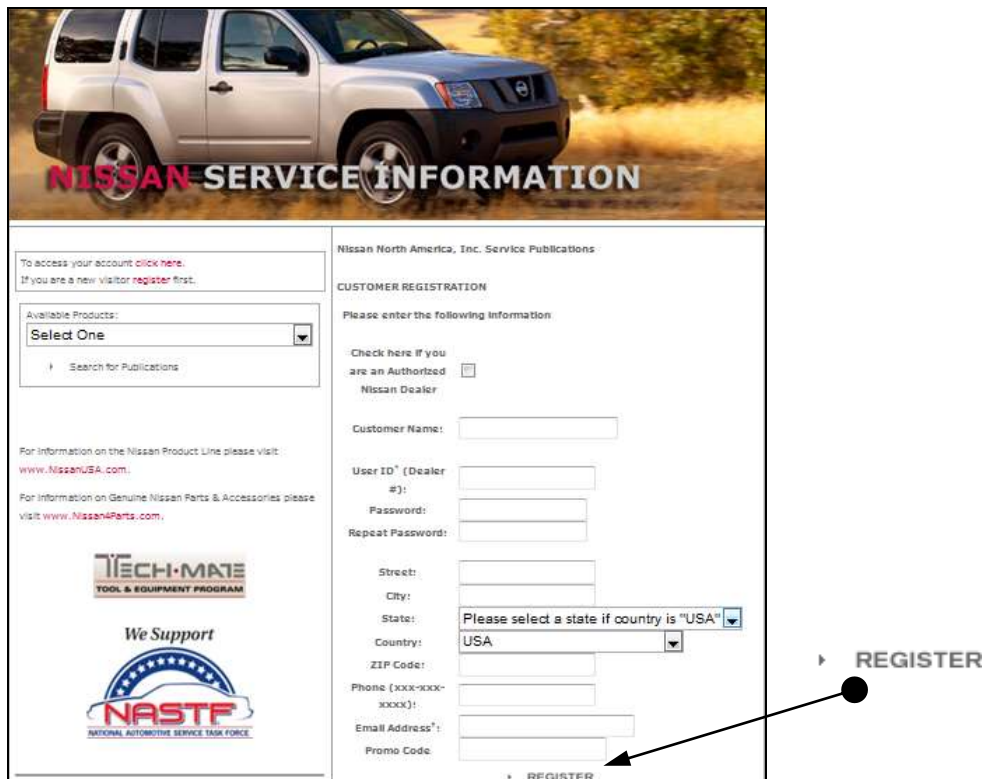
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Registration & NERS Purchase (pg. 2-11)



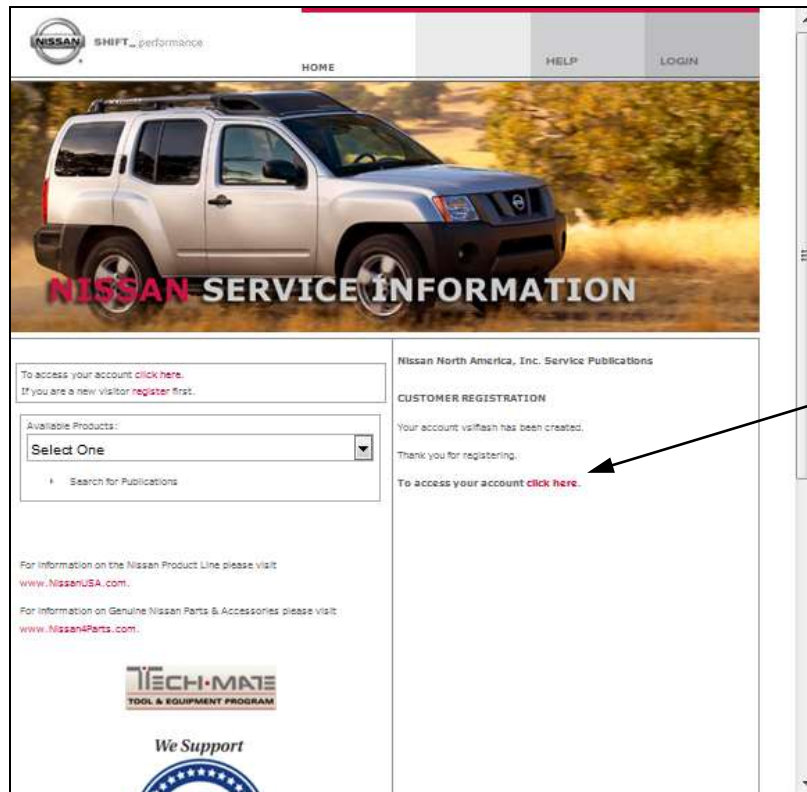
- Go to www.nissan-techinfo.com and click on "register".



The screenshot shows the Nissan Service Information registration form. The form is titled 'NISSAN SERVICE INFORMATION'. It includes a section for 'Available Products' with a dropdown menu and a 'Search for Publications' button. There is also a section for 'Nissan North America, Inc. Service Publications' and 'CUSTOMER REGISTRATION'. The registration form asks for the following information: 'Check here if you are an Authorized Nissan Dealer' (checkbox), 'Customer Name', 'User ID* (Dealer #)', 'Password', 'Repeat Password', 'Street', 'City', 'State' (dropdown menu), 'Country' (dropdown menu, currently set to 'USA'), 'ZIP Code', 'Phone (xxx-xxx-xxxx)', 'Email Address', and 'Promo Code'. At the bottom right, there is a 'REGISTER' button. A red arrow points to this button.

- Fill out applicable information and click "Register" at the bottom.

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click here

- The account has been created. Click on “click here” to log on.

NISSAN SHIFT convention

HOME HELP LOGIN

SECURE LOGIN

Instructions

First Time Users

- Free Registration

Free Account Details

In order to purchase products and services from this website, you must register for a FREE account. This allows you to:

- keep records of your order history
- track your orders and delivery details
- get notified of special promotions or publication release dates.

Your Privacy

Please take a moment to view Nissan's policy regarding the collection of your personal information.

- View Privacy Statement

Notes

- All online transactions are conducted using the:

Account Login

Dealer Number or User ID:

Password:

SUBMIT

[Forgot your Password?](#)

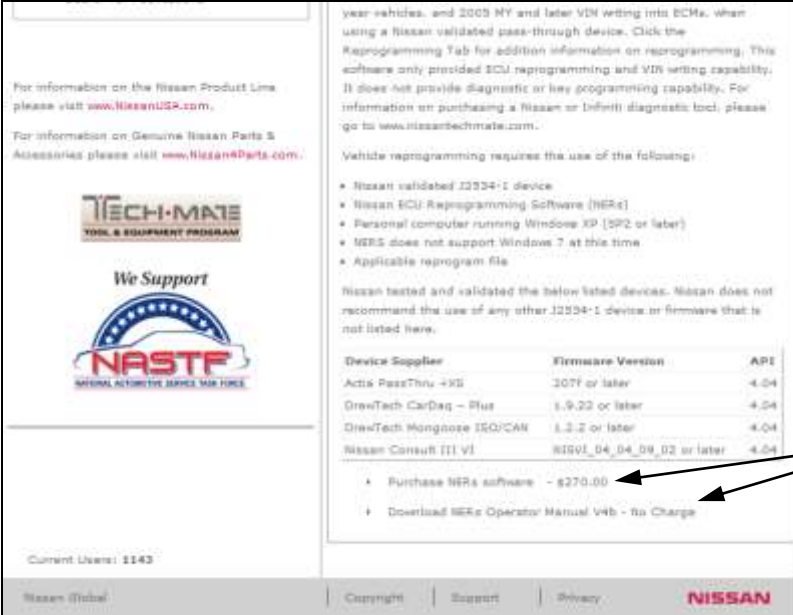
SUBMIT

- Enter your User ID and Password and click on "Submit".



- Click on the "Reprogramming..." section.

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For information on Genuine Nissan Parts & Accessories please visit www.Nissan4Parts.com.

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year-vehicles, and 2005 MY and later VIN writing into ECUs, when using a Nissan validated pass-through device. Click the Reprogramming Tab for additional information on reprogramming. This software only provides ECU reprogramming and VIN writing capability. It does not provide diagnostic or key programming capability. For information on purchasing a Nissan or Infiniti diagnostic tool, please go to www.nissatechmate.com.

Vehicle reprogramming requires the use of the following:

- Nissan validated J2534-1 device
- Nissan ECU Reprogramming Software (NERS)
- Personal computer running Windows XP (SP2 or later)
- NERS does not support Windows 7 at this time
- Applicable reprogram file

Nissan tested and validated the below listed devices. Nissan does not recommend the use of any other J2534-1 device or firmware that is not listed here.

Device Supplier	Firmware Version	API
Actia PassThru -XG	307T or later	4.04
GrewTech CarDag - Plus	1.9.22 or later	4.04
GrewTech Mongoose ISO/CAN	1.2.2 or later	4.04
Nissan Consult III V1	81001_04_04_09_02 or later	4.04

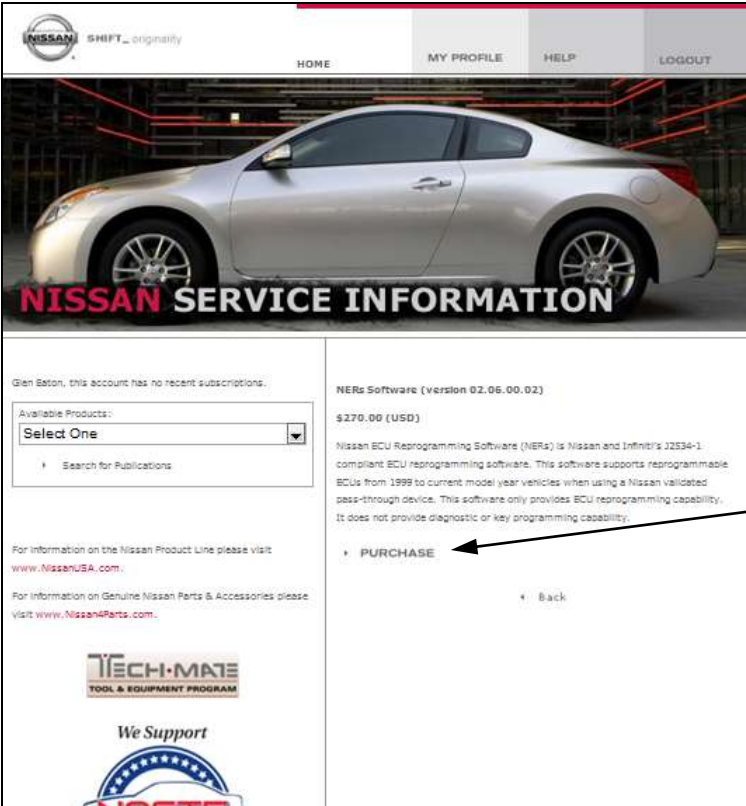
[Purchase NERS software - \\$270.00](#)
[Download NERS Operator Manual V4b - No Charge](#)

Current Users: 1143

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Purchase NERS software

- Scroll to the bottom of this page to purchase the NERS software. Click on “Purchase NERS software”. (It is **strongly recommended** to also download and read the Operator Manual located here and review it in its entirety.)



NISSAN SHIFT... originally

HOME MY PROFILE HELP LOGOUT

NISSAN SERVICE INFORMATION

Glen Baton, this account has no recent subscriptions.

Available Products:
Select One

Search for Publications

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For information on Genuine Nissan Parts & Accessories please visit www.Nissan4Parts.com.

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NASTE

NERS Software (version 02.06.00.02)

\$270.00 (USD)

Nissan ECU Reprogramming Software (NERS) is Nissan and Infiniti's J2534-1 compliant ECU reprogramming software. This software supports reprogrammable ECUs from 1999 to current model year vehicles when using a Nissan validated pass-through device. This software only provides ECU reprogramming capability. It does not provide diagnostic or key programming capability.

[PURCHASE](#)

[Back](#)

PURCHASE

- Click on “PURCHASE”.

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NISSAN SHIFT... originality

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SHOPPING CART

Tips:

- To change an item's quantity, edit the number and press "Update Cart".
- To remove an item you can select the "Remove Item" button or update its quantity to zero.

[Search Again]

You have 1 item(s) in your shopping cart.

SKU	Name	Unit Price	Qty	N/A	Total Price
NERS_Software	NERS Software (version 02.06.00.02)	\$270.00	1		\$270.00
					Remove Item
Subtotal:					\$270.00

UPDATE CART EMPTY CART SHOP CHECK OUT

Nissan Global Copyright Support Privacy NISSAN

- Click on "CHECK OUT".

NISSAN SHIFT... 06008

HOME MY PROFILE HELP LOGOUT

SHOPPING CART

Instructions:

- Please verify the accuracy of your shipping address.
- Click the **Total** button to view your total cost (including tax and shipping).
- Please note we cannot deliver to a PO Box Number.
- If you have only purchased an Online Subscription, this is the address to which your confirmation will be mailed.
- If you wish to view the entire order again, please return to your shopping cart.
- Dealer must enter a contact name or purchase order number in the reference field.

Please Enter Shipping Address:

Name:

Street:

City:

State:

ZIP Code:

Country:

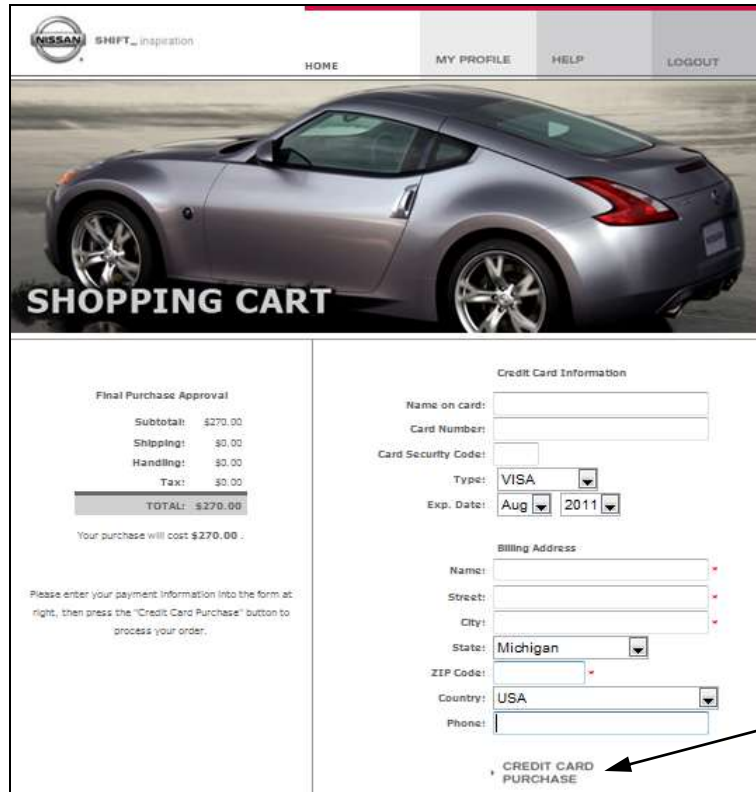
Phone:

TOTAL RESET FORM

Nissan Global Copyright Support Privacy NISSAN

- Make sure "Shipping Address" is correct and click on "Total".

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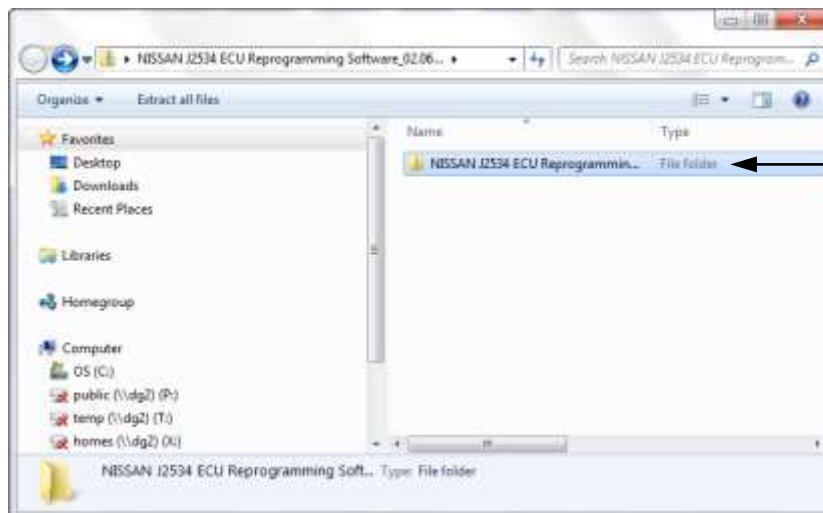


The screenshot shows the Nissan J2534 ECU Reprogramming Software web interface. At the top, there is a navigation bar with links: HOME, MY PROFILE, HELP, and LOGOUT. Below the navigation bar is a large image of a silver Nissan sports car. The main content area is divided into two sections. The left section, titled 'SHOPPING CART', displays a 'Final Purchase Approval' summary with the following details: Subtotal: \$270.00, Shipping: \$0.00, Handling: \$0.00, Tax: \$0.00, and a bolded 'TOTAL: \$270.00'. Below this, it states 'Your purchase will cost \$270.00.' and provides instructions to enter payment information. The right section, titled 'Credit Card Information', contains several input fields: 'Name on card:', 'Card Number:', 'Card Security Code:', 'Type:' (set to VISA), 'Exp. Date:' (set to Aug 2011), 'Billing Address' (Name, Street, City, State: Michigan, ZIP Code, Country: USA, Phone), and a 'CREDIT CARD PURCHASE' button at the bottom right. An arrow points from the text 'CREDIT CARD PURCHASE' to the button.

- Fill out required “Credit Card Information” and click on “Credit Card Purchase”. **Read carefully the follow the remaining screens to download the NERS application.** It is recommended to download the NERS application to the “Desktop” for ease of location.



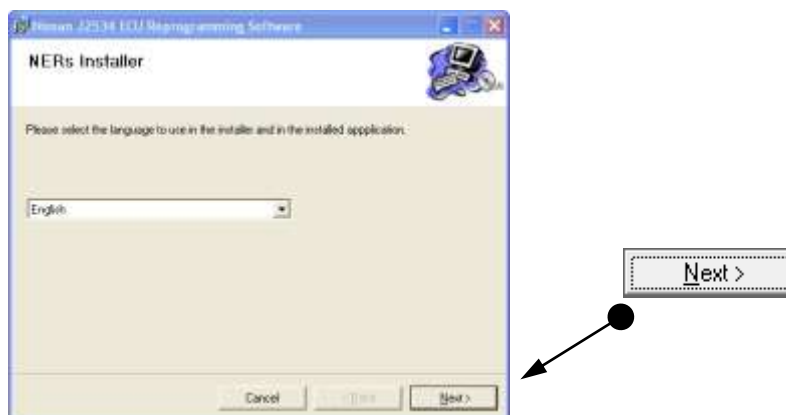
- Locate the “NISSAN J2534 ECU Reprogramming Software_xx.xx.xx” icon on your desktop and “double-click” on it.



- Locate the zip file and “double-click” on it.



- Locate the “setup.exe” file and “double-click” on it.



- Select Language and then “Next”.

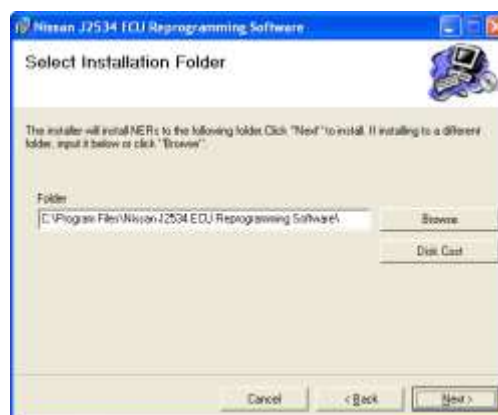
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- Click "Next".

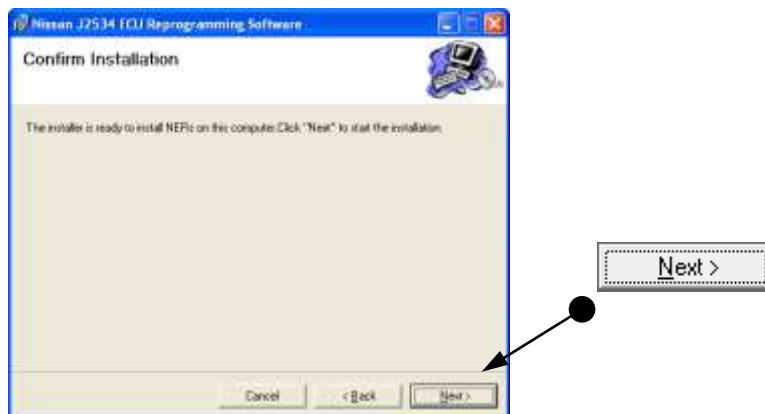


- Read, click on the "Agree" radio button, then "Next".

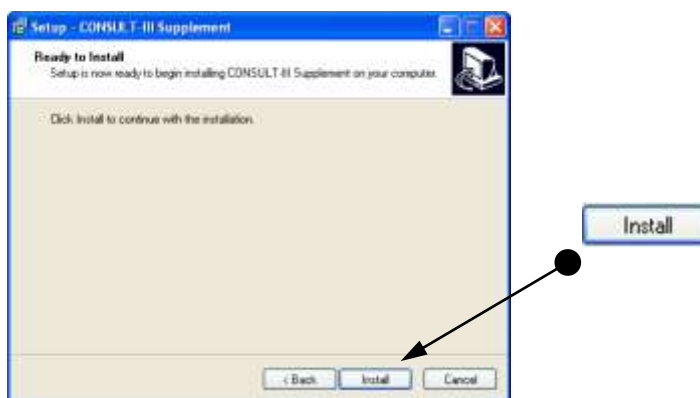


- Click "Next".

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- Click "Next".

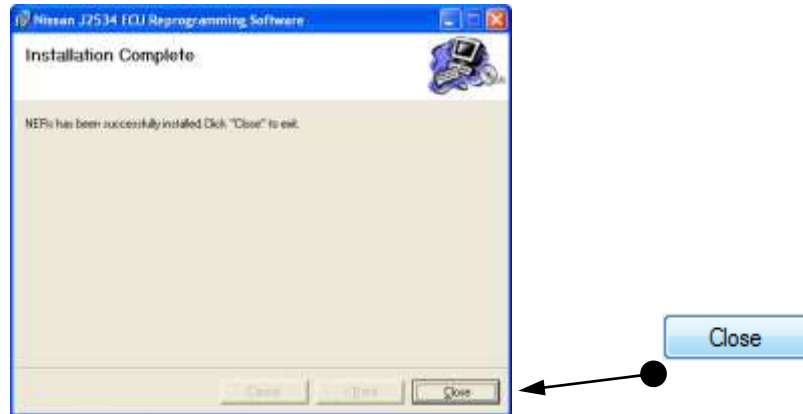


- Click "Install".



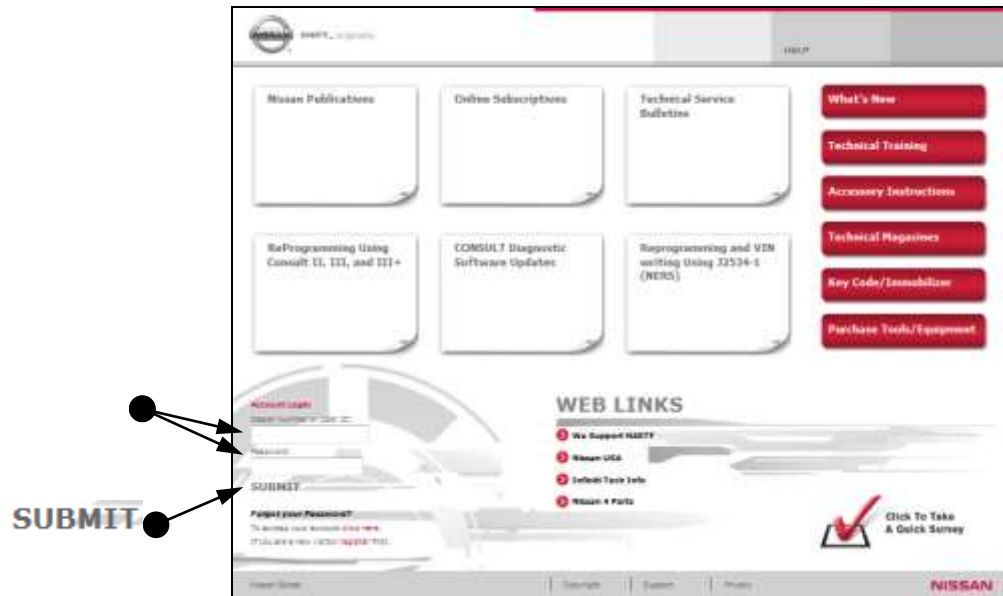
- Installing...

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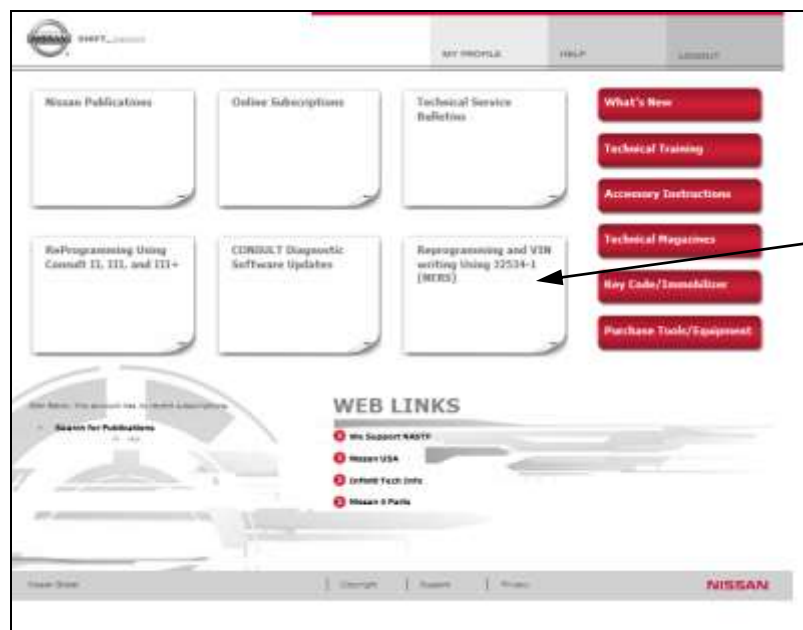
- Installation complete. Click on “Close”.

Purchasing Nissan Calibration File (pgs. 12-18)



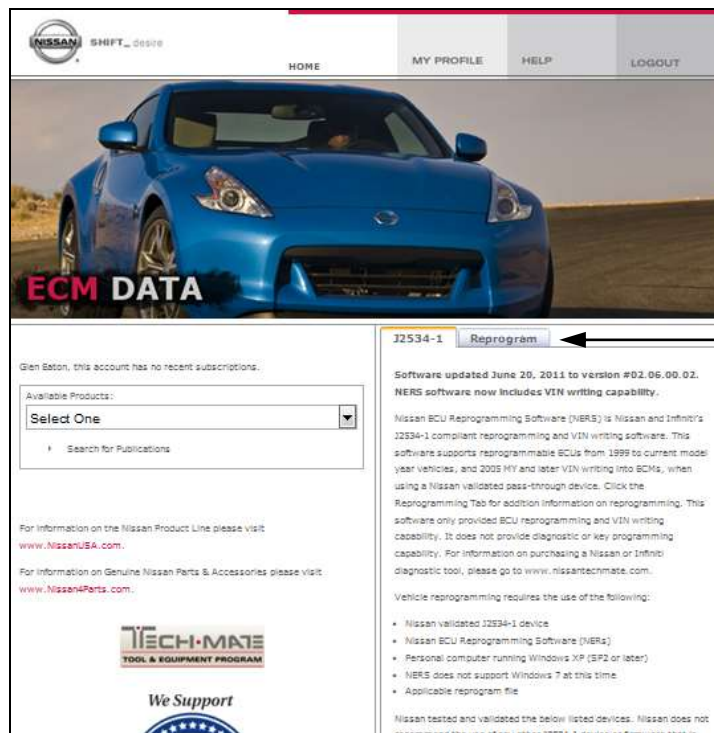
- Go to www.nissan-techinfo.com, enter User ID and Password and click on “SUBMIT”.

Note: Nissan states: Reprogramming is incident-based, so reprogramming should only be performed when a related TSB is found.

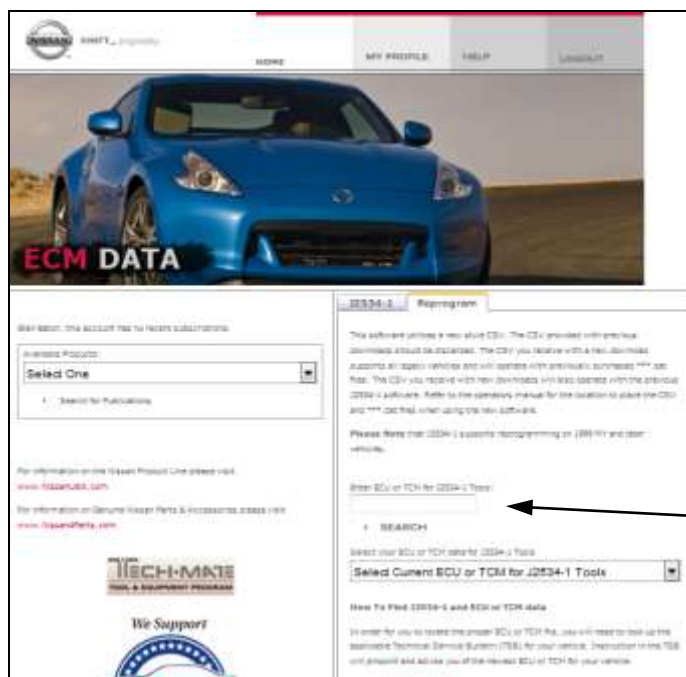


- Click on the “Reprogramming...” section.

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- Click on the “Reprogram” tab.



- Either “Enter” the part number of the ECU you are trying to reprogram **OR** use the pull-down menu to locate the proper part number. If you “Enter” the part number manually, you must have a space between the first 5 and last 5 characters (eg: “23710 JA10A”) and then click on “SEARCH”.

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HOME MY PROFILE HELP LOGOUT

ECM DATA

Glen Baton, this account has no recent subscriptions.

Available Products:
Select One

Search for Publications

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For information on Genuine Nissan Parts & Accessories please visit www.Nissan4Parts.com.

ECU Results (32534-1 Files)

Please review the results found for the ECU or TCM # you entered. If these specifications are accurate, then we have identified the new ECU or TCM Program Data file for your vehicle.

To confirm and purchase this ECU or TCM, please click the Submit button below.

ECU or TCM Reprogramming Specifications

OLD ECU or TCM #: 23710 JA10B
NEW ECU or TCM #: 23710 JA10D

SUBMIT

Back

OLD ECU or TCM #: 23710 JA10B
NEW ECU or TCM #: 23710 JA10D

- Part numbers shown are different. There is an update available! Click on “SUBMIT” to continue.

NISSAN SHIFT_{originally}

HOME MY PROFILE HELP LOGOUT

NISSAN SERVICE INFORMATION

Glen Baton, this account has no recent subscriptions.

Available Products:
Select One

Search for Publications

For information on the Nissan Product Line please visit www.NissanUSA.com.
For information on Genuine Nissan Parts & Accessories please visit www.Nissan4Parts.com.

ECU Data File

\$19.95 (USD)

This is the latest ECU Data for the selected vehicle. Purchase of this ECU Data enables file download access for a period of 30 hours.

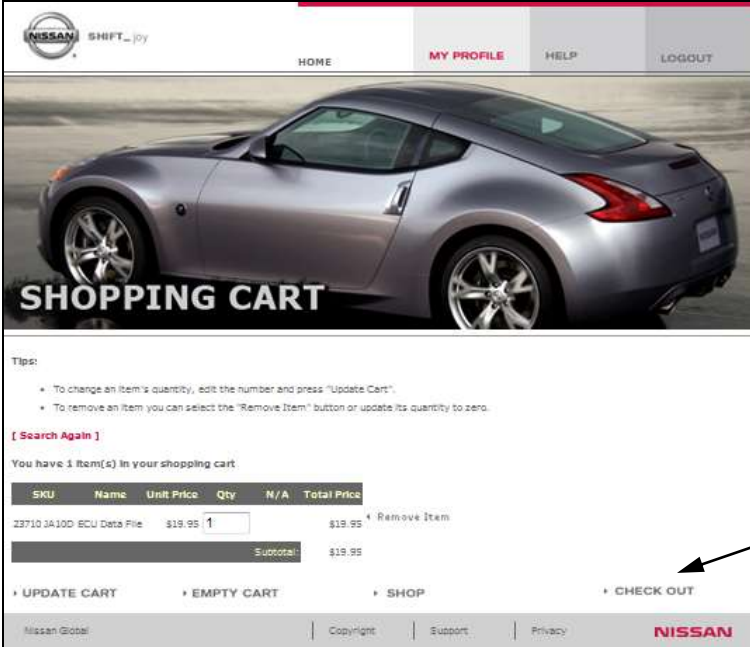
PURCHASE

Back

PURCHASE

- Click on “PURCHASE”.

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NISSAN SHIFT... joy

HOME MY PROFILE HELP LOGOUT

SHOPPING CART

Tips:

- To change an item's quantity, edit the number and press "Update Cart".
- To remove an item you can select the "Remove Item" button or update its quantity to zero.

[Search Again]

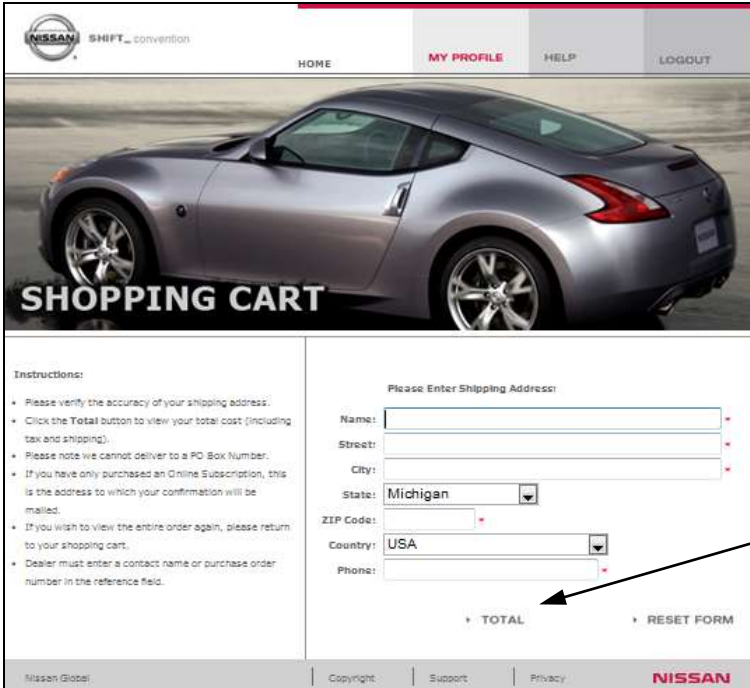
You have 1 item(s) in your shopping cart

SKU	Name	Unit Price	Qty	N/A	Total Price
33710 3A 100	ECU Data File	\$19.95	1		\$19.95
					Remove Item
Subtotal:					\$19.95

UPDATE CART EMPTY CART SHOP CHECK OUT

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- Click on "CHECK OUT".



NISSAN SHIFT... convention

HOME MY PROFILE HELP LOGOUT

SHOPPING CART

Instructions:

- Please verify the accuracy of your shipping address.
- Click the Total button to view your total cost (including tax and shipping).
- Please note we cannot deliver to a PO Box Number.
- If you have only purchased an Online Subscription, this is the address to which your confirmation will be mailed.
- If you wish to view the entire order again, please return to your shopping cart.
- Dealer must enter a contact name or purchase order number in the reference field.

Please Enter Shipping Address:

Name:

Street:

City:

State:

ZIP Code:

Country:

Phone:

TOTAL RESET FORM

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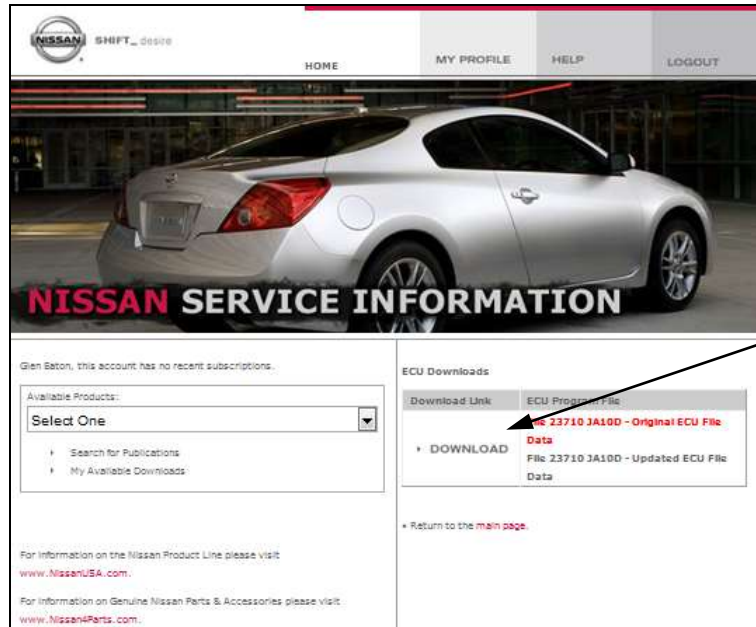
- Ensure information is filled out correctly and click on "TOTAL".

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- Fill out applicable, required information and click on “CREDIT CARD PURCHASE”.

- Purchase has been confirmed. Click on “ECU Data Downloads” to continue.

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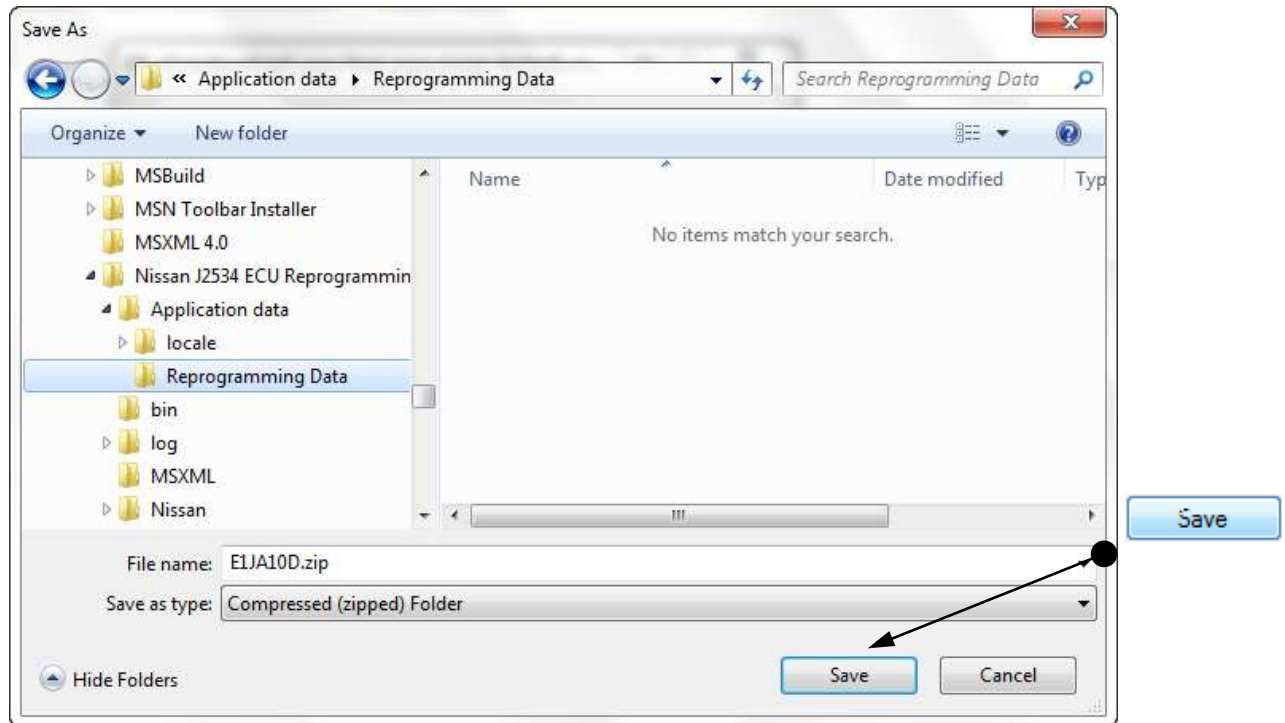


- Click on “DOWNLOAD”

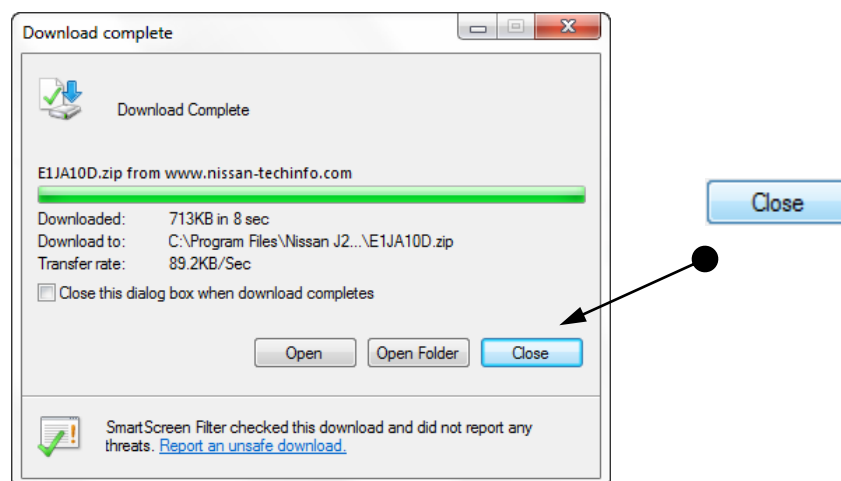


- Click on “Save”.

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- Locate the “C:\Program Files\Nissan J2534 ECU Reprogramming Software\Application data\Reprogramming Data” folder. Click on “Save”.

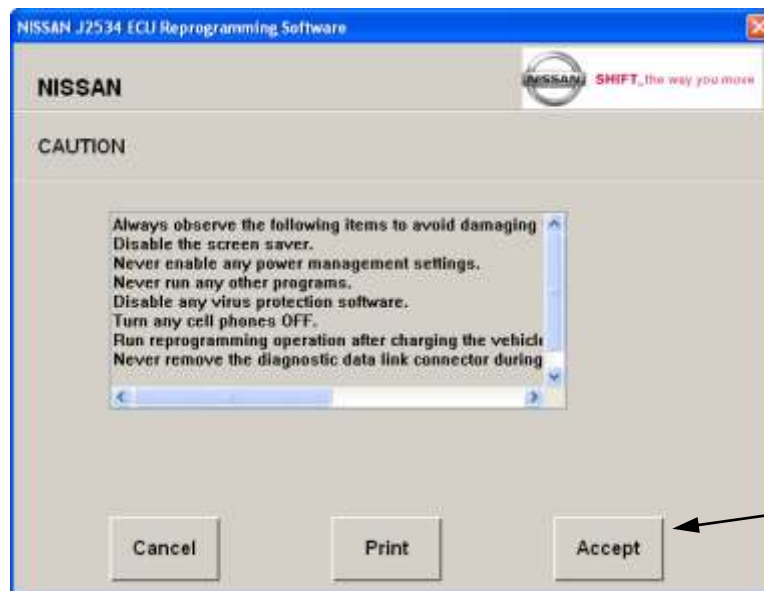


- Click on “Close” when done.

Nissan Reprogramming (pgs. 19-24)

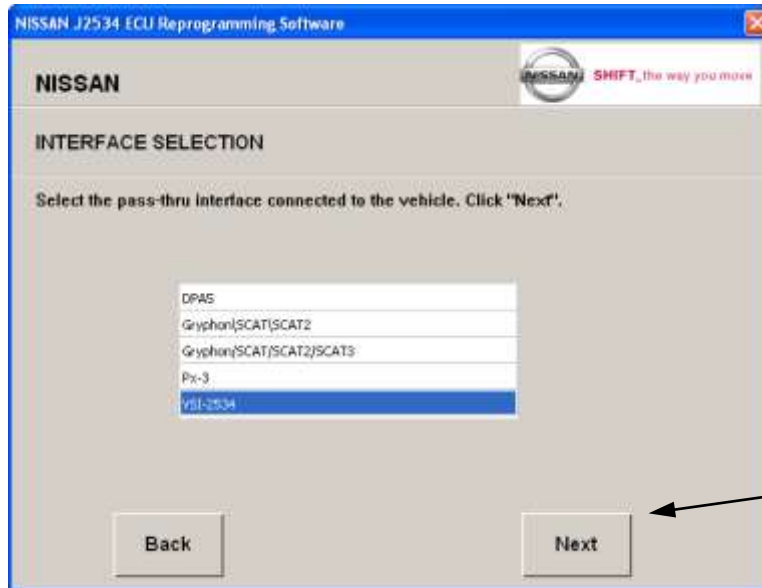


- Locate Icon on desktop and “double-click” on it.

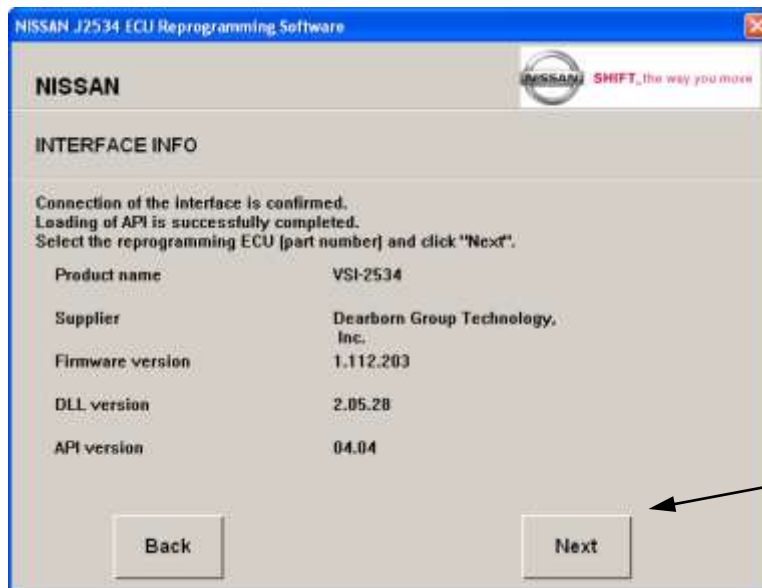


- Turn the Ignition key to the “ON” position. Read carefully and click on “Accept”.

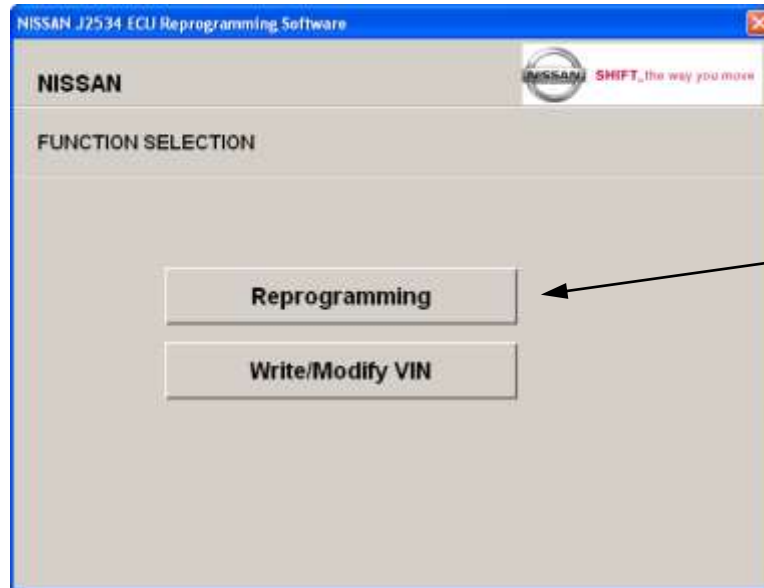
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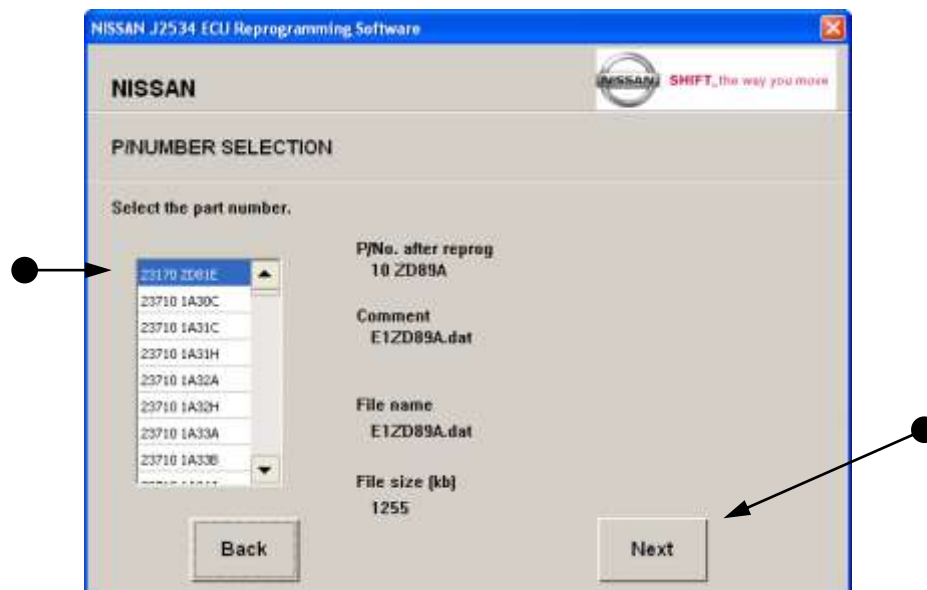
- Select applicable J2534 device and click "Next".



- Summary page. Click "Next".

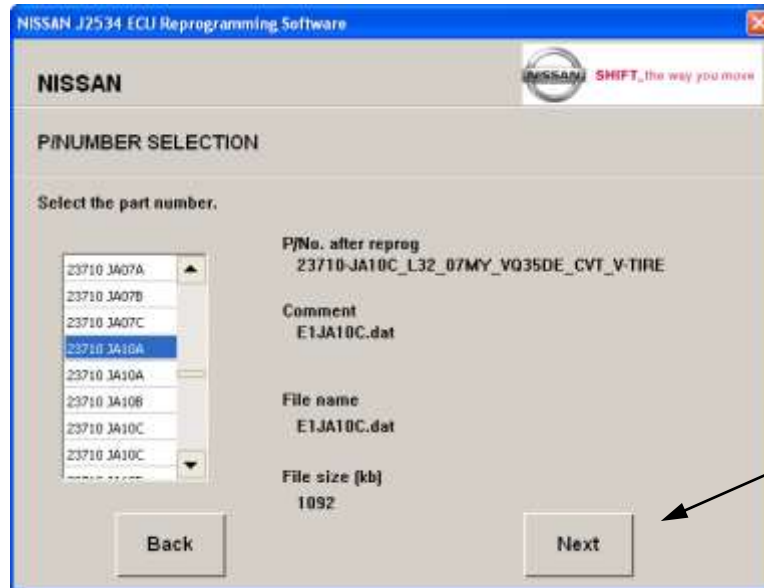


- Select applicable option.
- Reprogramming (continued below)
- Write/Modify VIN (see page XX)

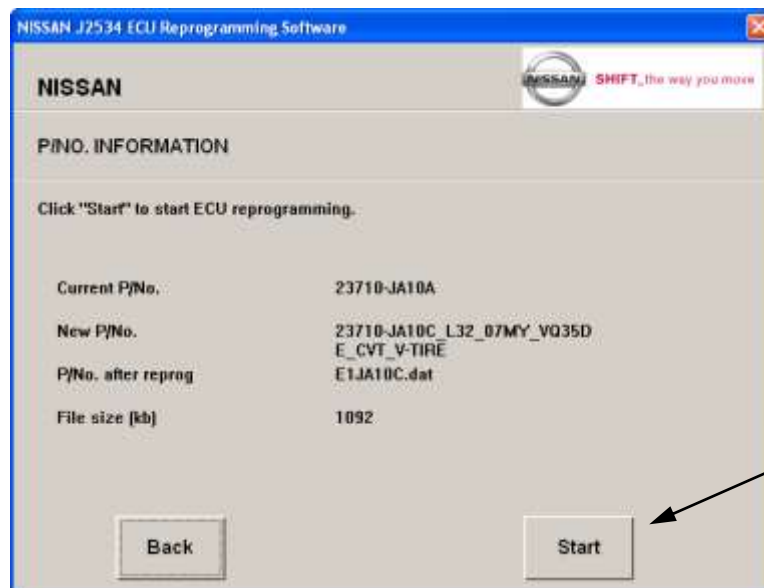


- Select the current part number and click “Next”. **Note:** it is important to select the correct, current part number; otherwise, damage to the ECU may occur.

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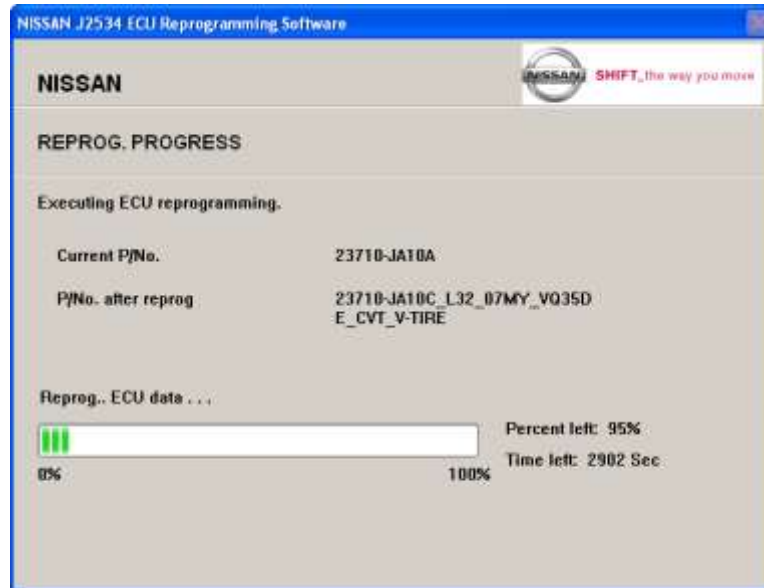


- Calibration selected...click on "Next".

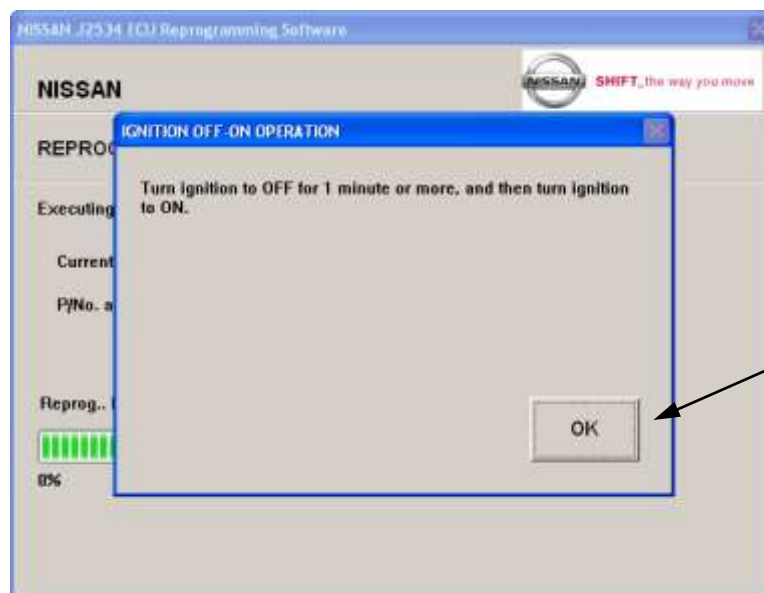


- Click "Start" to begin ECU reprogramming.

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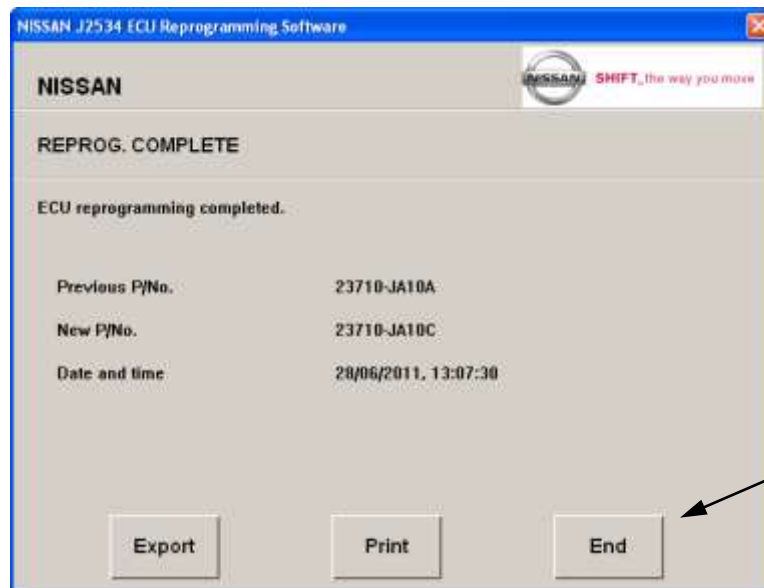
- ECU reprogramming...



- Turn the ignition to OFF, **WAIT FOR AT LEAST 1 MINUTE**, and then turn the ignition to "ON", then click "OK".



- Reprogramming is complete. Click on "Next".



- Summary of reprogramming event. Click on desired option. Click on "End" to close.

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Nissan VIN Programming (pg. 25)



NISSAN J2534 ECU Reprogramming Software

NISSAN

VIN REGISTRATION

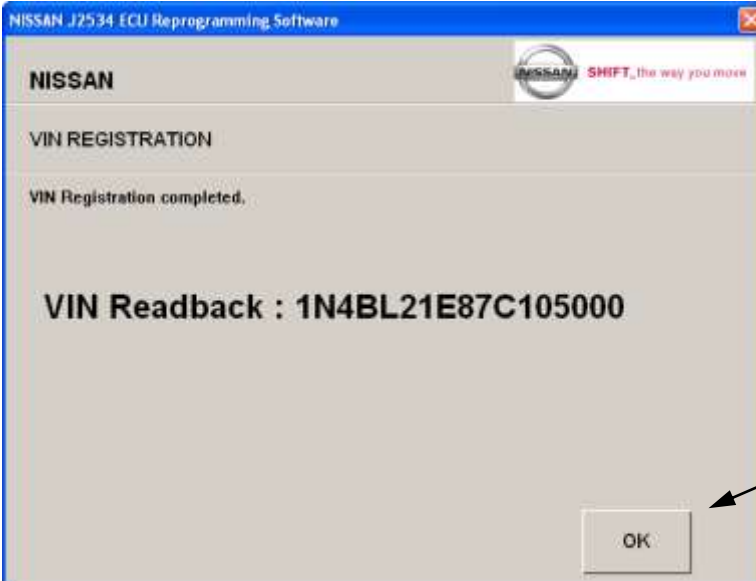
Enter or Modify the 17 digit VIN twice and press Write button to Register.

1N4BL21E87C105000

1N4BL21E87C105000

Back Write

- Enter or modify the 17 digit VIN Entry in both spaces and click on "Write". **MUST BE IN CAPS!**
Note: Ignition key should be in the "ON" position.



NISSAN J2534 ECU Reprogramming Software

NISSAN

VIN REGISTRATION

VIN Registration completed.

VIN Readback : 1N4BL21E87C105000

OK

- VIN has been written successfully. Click "OK" to finish. **NOTE:** Immobilizer (keys) must have been written otherwise, VIN will not be able to be read.

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