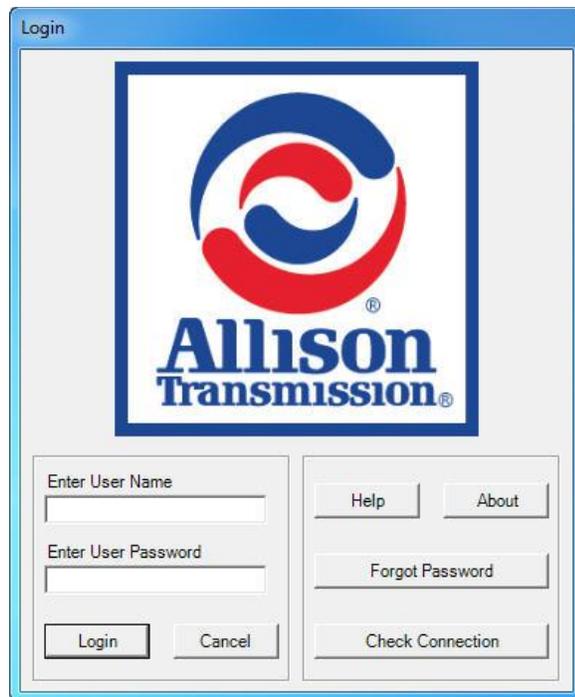


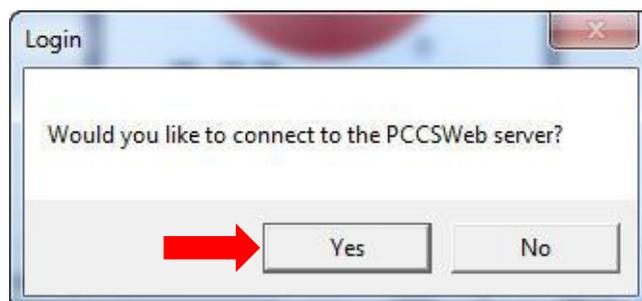
## Reflashing a 5<sup>th</sup> Gen TCM

5<sup>th</sup> Gen TCMs may be flashed to a Road-ready (fully calibrated) or VEPS-ready condition. This document covers the procedure to create a road-ready (fully programmed) and a VEPS ready 5<sup>th</sup> Generation Controls TCM. *See also TCM Reflash V3.0 User's Guide (GN4137EN)*

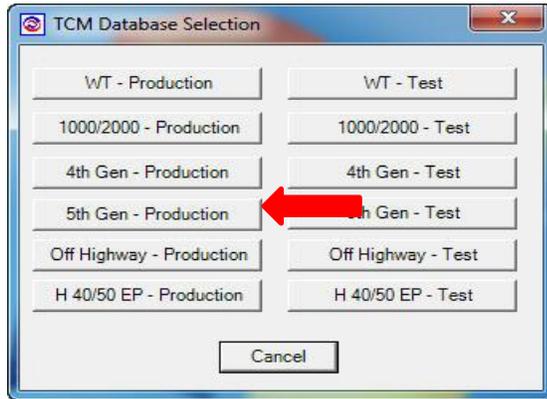
- A. Road-ready TCMs – A Road-ready (fully programmed) TCM is loaded with application software, vocational model calibration, and has all calibration settings applied by an OEM vehicle electronic programming station, Allison Transmission load station, or TCM Reflash. A road-ready TCM is fully functional with shift schedules, input/output functions, and all other calibration features loaded. This is the normal mode that a distributor or dealer will use to reflash TCMs for servicing vehicles which have been placed in service. Create a road-ready TCM as follows:
- a. Log onto TCM Reflash and click on 5<sup>th</sup> Gen – Production database button.



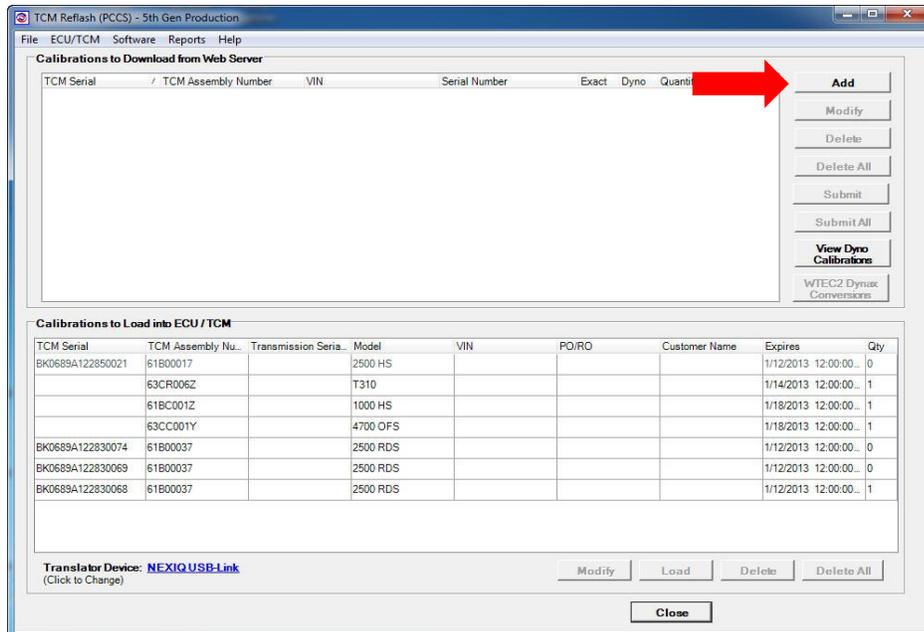
- b. Click Yes to connect to the PCCSWeb Server.



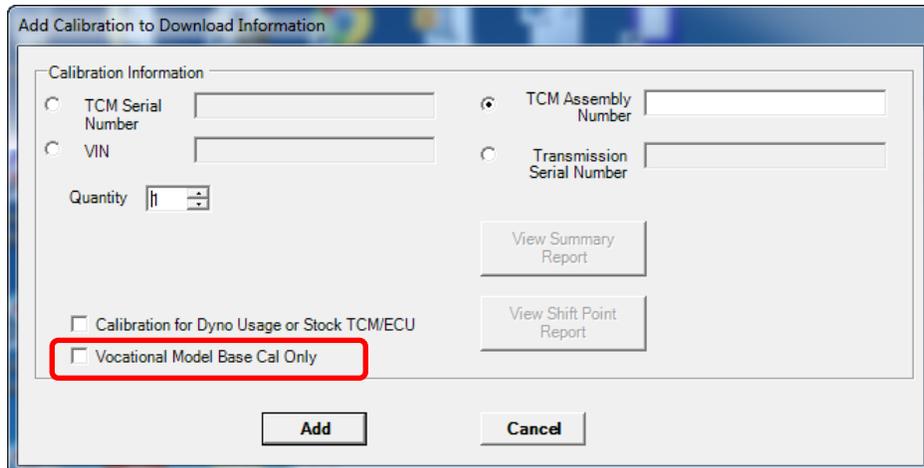
c. Click on 5<sup>th</sup> Gen – Production database button



d. Click Add button



e. Verify "Vocational Model Base Cal Only" check box is NOT checked.



- f. Select Radio Button next to TCM Serial Number. Enter the serial number of the TCM **that is being replaced**. If updating software/calibration of a road-ready TCM, enter the same serial number as the TCM being updated. *NOTE: A road-ready TCM may also be created by entering a road-ready Allison assembly number (contains an "R" in the fourth digit, i.e. 63BR0032), the vehicle identification number, or transmission serial number.* Click the Add button.

**Add Calibration to Download Information**

Calibration Information

TCM Serial Number

VIN

Quantity

TCM Assembly Number

Transmission Serial Number

Calibration for Dyno Usage or Stock TCM/ECU

Vocational Model Base Cal Only

- g. Click Submit

**TCM Reflash (PCCS) - 5th Gen Production**

File ECU/TCM Software Reports Help

**Calibrations to Download from Web Server**

TCM Serial	TCM Assembly Number	VIN	Serial Number	Exact	Dyno	Quantity	Expires
BK0689A122130018				<input type="checkbox"/>	<input type="checkbox"/>	1	1/19/2013

WTEC2 Dynac  
Conversions

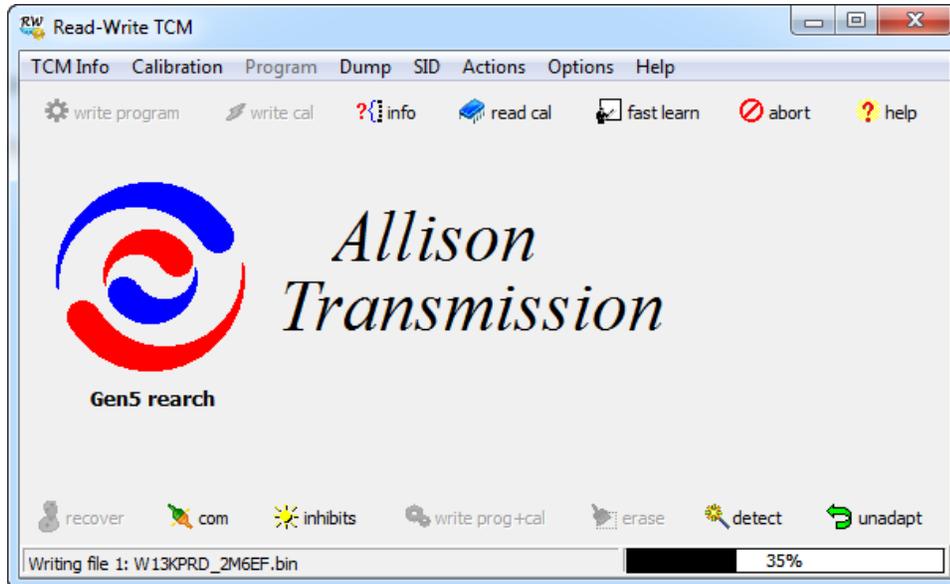
**Calibrations to Load into ECU / TCM**

TCM Serial	TCM Assembly Nu...	Transmission Seria...	Model	VIN	PO/RO	Customer Name	Expires	Qty
BK0689A122850021	61B00017		2500 HS				1/12/2013 12:00:00..	0
	63CR006Z		T310				1/14/2013 12:00:00..	1
	61BC001Z		1000 HS				1/18/2013 12:00:00..	1
	63CC001Y		4700 OFS				1/18/2013 12:00:00..	1
BK0689A122830074	61B00037		2500 RDS				1/12/2013 12:00:00..	0
BK0689A122830069	61B00037		2500 RDS				1/12/2013 12:00:00..	0
BK0689A122830068	61B00037		2500 RDS				1/12/2013 12:00:00..	1
	61CC0005		4500 RDS				1/19/2013 12:00:00..	1

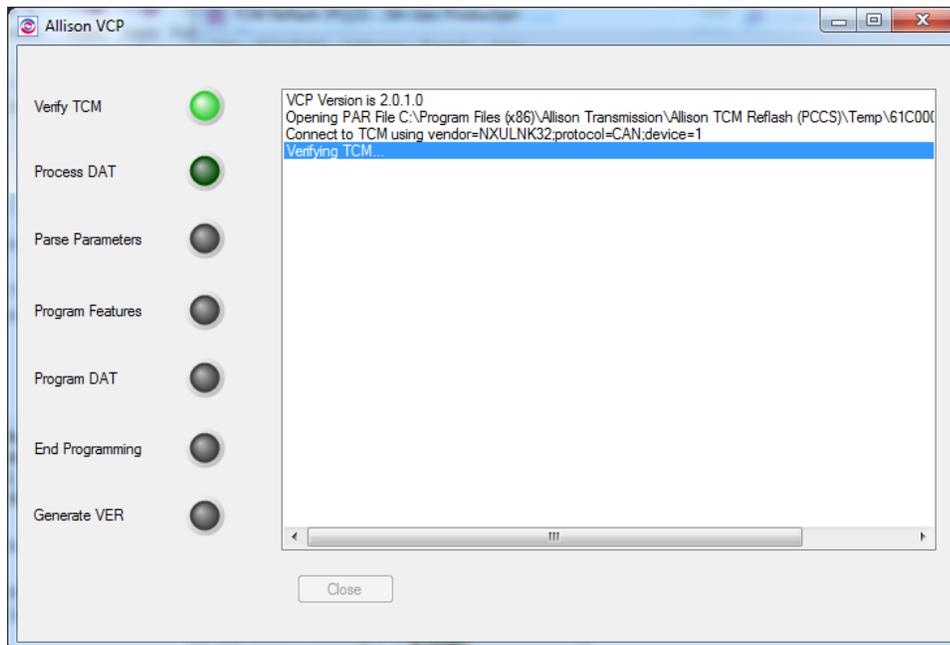
Translator Device: [NEXIQUSB-Link](#)  
(Click to Change)



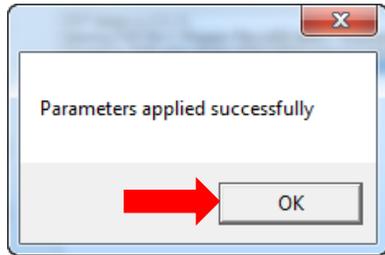
- j. The Allison Read/Write program automatically launches and loads the software and vocational model calibration. NOTE: It can take several minutes for software and vocational model calibration to load.



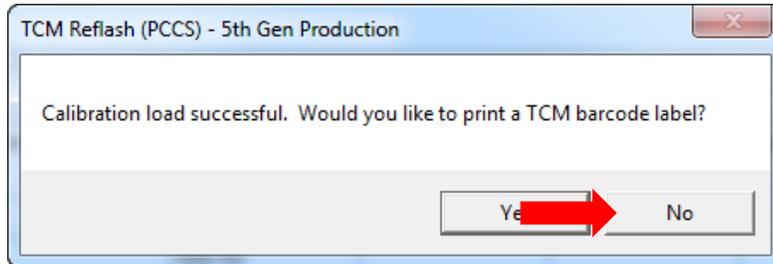
- k. Wait for the Allison Vendor Component Program (VCP) to apply calibration settings. All lights will turn green to indicate successful programming.



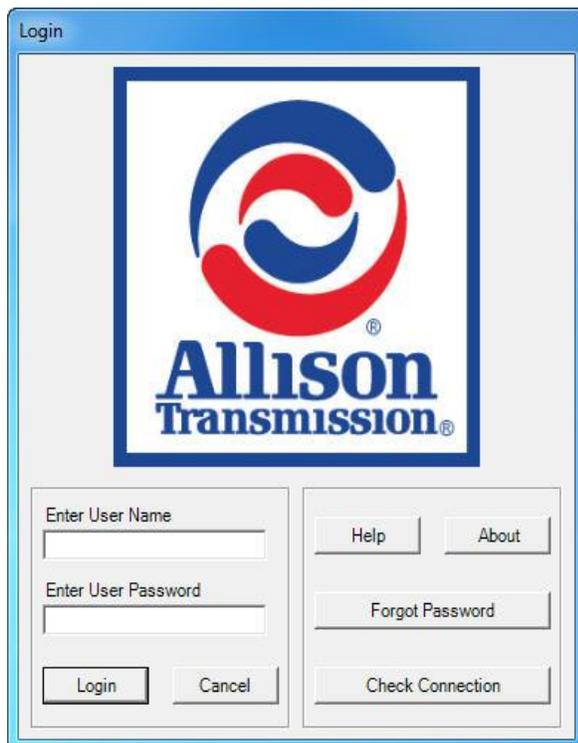
- I. Click OK to acknowledge successful completion of Reflash operation.



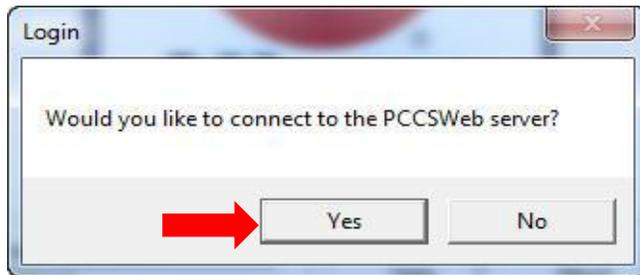
- m. Click NO to skip label printing.



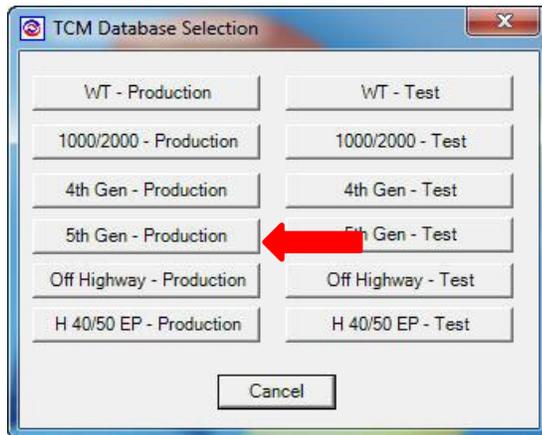
- B. VEPS Ready TCMs – A VEPS Ready TCM is loaded with application software and vocational model calibration only. It is the typical state of a TCM shipped from Allison Transmission to one of its original equipment manufacturers (OEMs) that is using a Vehicle Electronic Programming Station (VEPS); sometimes referred to as *End-of-Line programming*. VEPS Ready TCMs do not have any calibration settings applied. Create a VEPS ready TCM as follows:
  - a. Log onto TCM Reflash



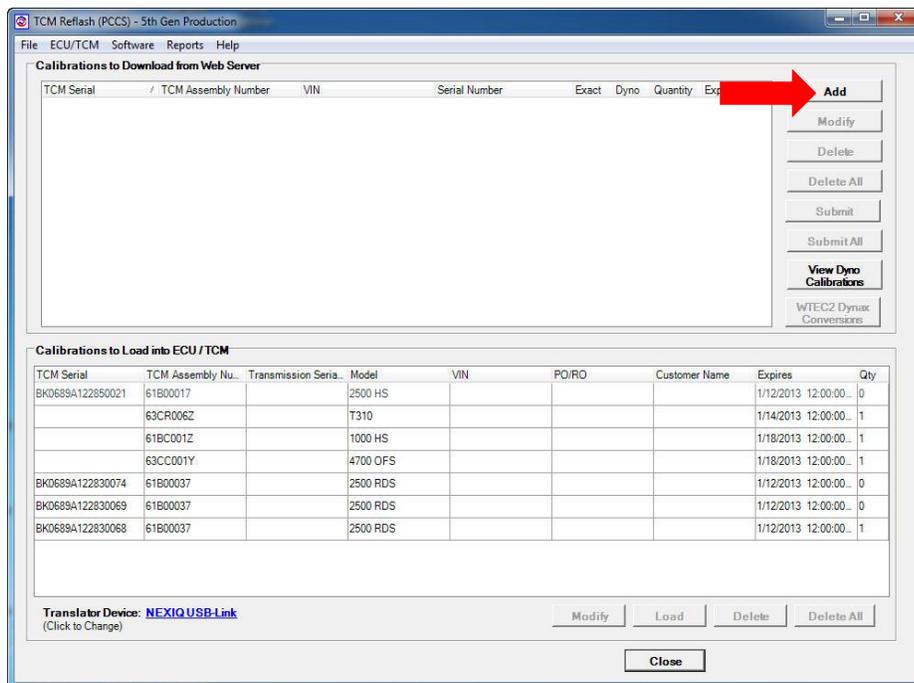
b. Click Yes to connect to the PCCSWeb Server.



c. Click on 5<sup>th</sup> Gen – Production database button



d. Click Add button



- e. Check “Vocational Model Base Cal Only”

Add Calibration to Download Information

Calibration Information

TCM Serial Number

VIN

Quantity 1

Calibration for Dyno Usage or Stock TCM/ECU

Vocational Model Base Cal Only

TCM Assembly Number

Transmission Serial Number

View Summary Report

View Shift Point Report

Add Cancel

- f. Type the Allison part number shown on the TCM label in the TCM Assembly Number field (see picture of TCM label).

Add Calibration to Download Information

Calibration Information

TCM Serial Number

VIN

Quantity 1

Calibration for Dyno Usage or Stock TCM/ECU

Vocational Model Base Cal Only

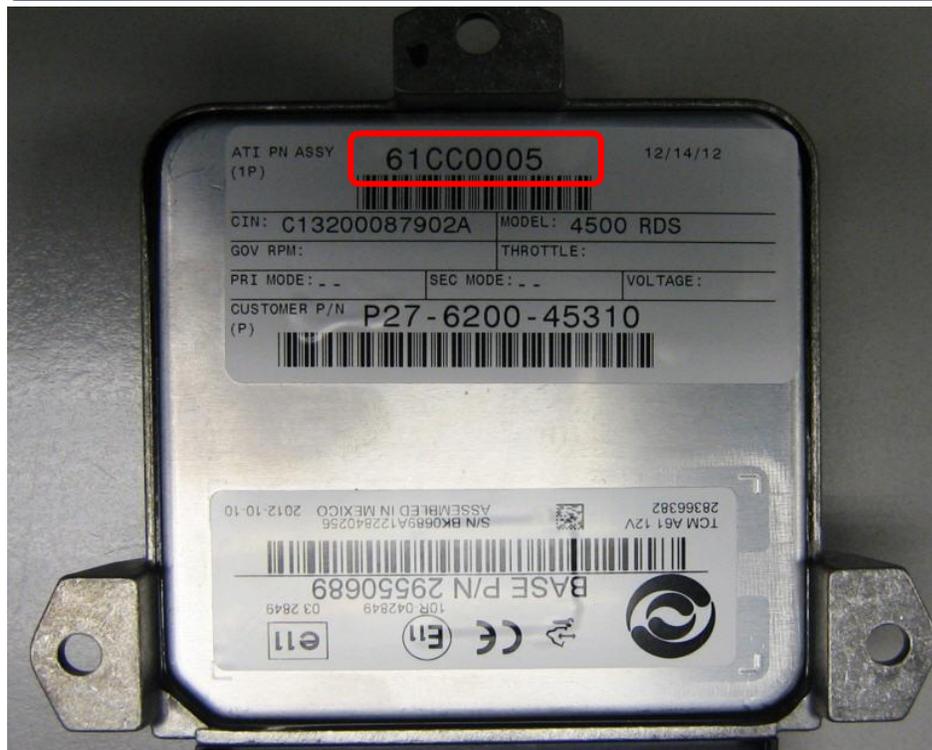
TCM Assembly Number 61CC0005

Transmission Serial Number

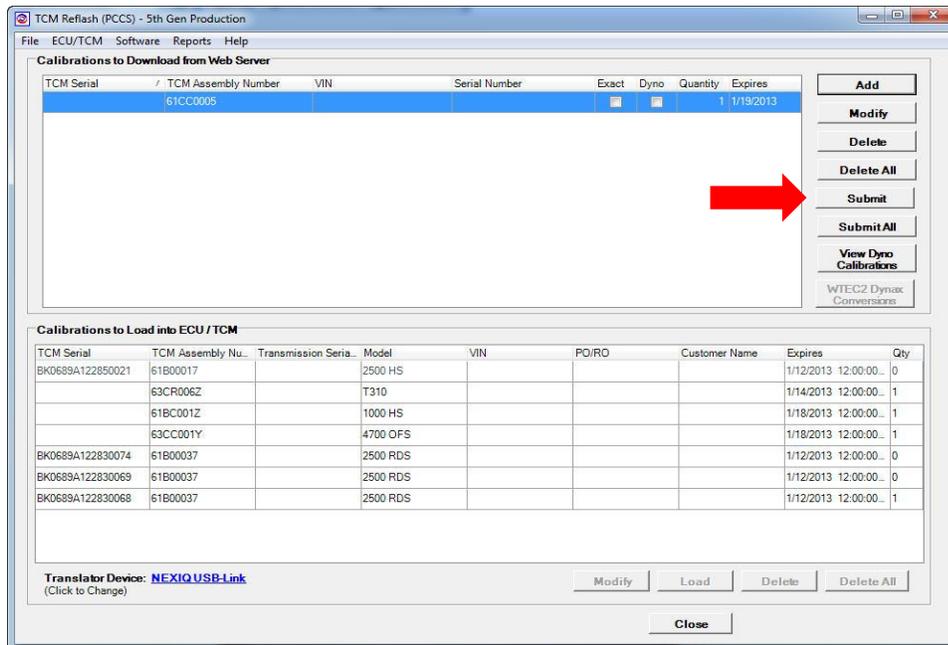
View Summary Report

View Shift Point Report

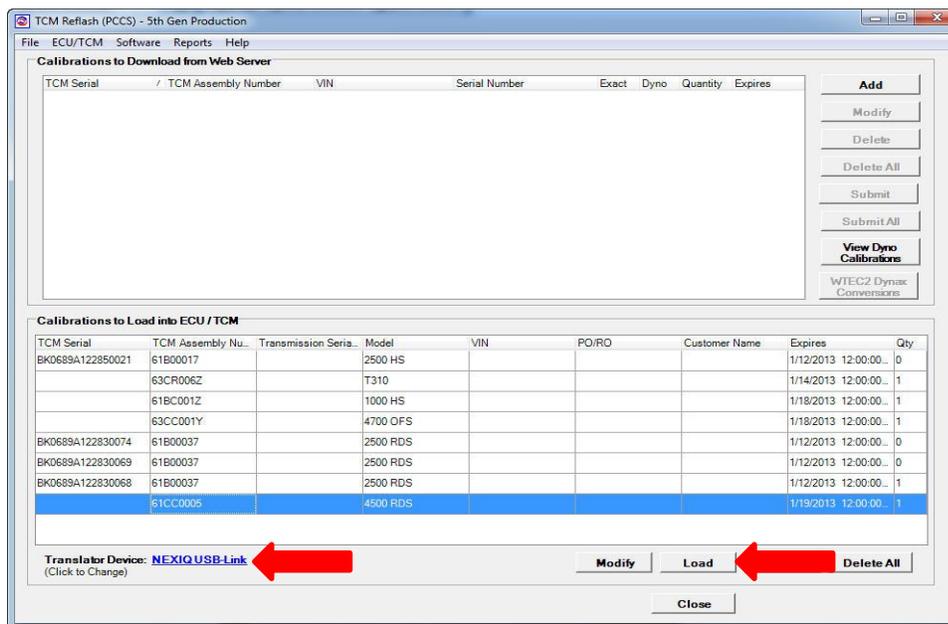
Add Cancel



g. Click Add button



h. Click Submit



i. Verify translator device is selected. Click blue link to change.

j. Highlight desired TCM Assembly Number (in this case 61CC0005), and click the Load button.

- k. Verify Current TCM Configuration fields are populated with data. Click OK button to load software and vocational model calibration into TCM.

Load Report Form

New Calibration Configuration

Calibration ECU Part #: 61CC0005

Calibration ID Number (CIN): C13200087902A

Description of ECU compatibility with selected calibration

Current TCM Configuration

TCM/ECU Serial #: BK0689A122130018      Compatibility Level: W13KPRD2M6EF

TCM/ECU Core Part #: 29550689      Software Level: W13KPRD2M6EF

Previously Loaded CIN: C132000849027      ECU Date Co: 07-31-2012

Additional Tracking and Barcode Information

Customer Name:

Customer Part #: P27-6200-45310      R/O #:

Dyno Application

Vehicle Identification # (VIN):

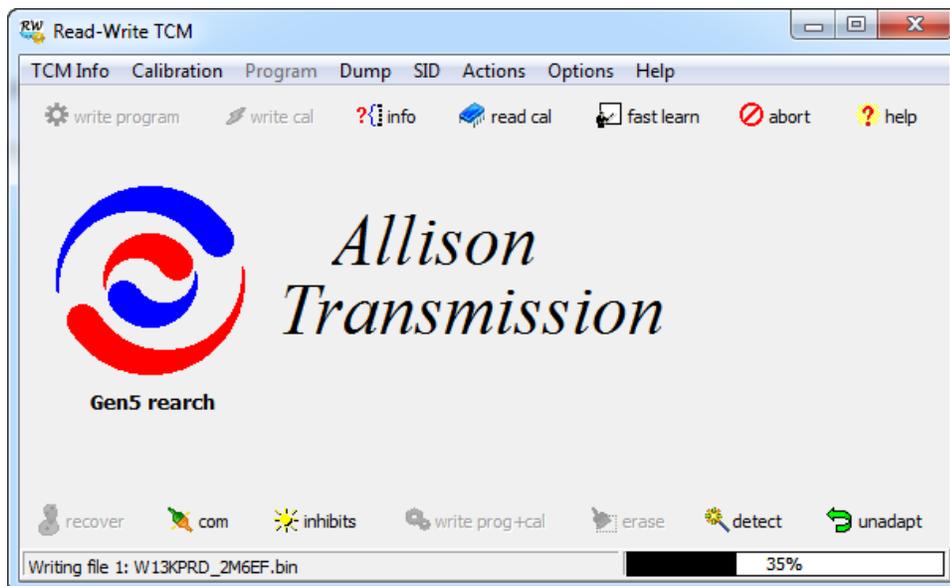
Recal Type: 13: Other-(Must Complete Comments Sections)      **OK**

Transmission SN:      Vehicle Model #:

Comments:

Cancel

- l. The Allison Read/Write program automatically launches and loads the software and vocational model calibration. NOTE: It can take several minutes for software and vocational model calibration to load.



m. Click No to skip label printing.

