

Micro Tuner Model RaceME Pro

Common Rail Dodge Ram 6.7L, 24 Valve, Cummins Diesel Engine

Instruction Manual



PLEASE READ THIS ENTIRE INSTRUCTION MANUAL BEFORE PROCEEDING

www.racemecanada.com

Rev. 1.00A

THIS IS A HIGH PERFORMANCE PRODUCT USE AT YOUR OWN RISK

This product is intended for OFF ROAD USE ONLY with NON standard exhaust trucks This product is not intended to be used to break the law

Do not use this product until you have read the following agreement.

This agreement sets forth the terms and conditions for the use of this product.

The installation of this product indicates that the buyer has read and understands this agreement and accepts the terms and conditions.

DISCLAIMER OF LIABILITY

RaceME, its distributors, jobbers and dealers (hereafter Seller) shall be in no way responsible for the product's proper uses and service. THE BUYER HEREBY WAIVES ALL LIABILITY CLAIMS.

The buyer acknowledges that he is not relying on the Sellers skill or judgement to select of furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof, and the buyer hereby waivers all remedies or liabilities expressed or implied, arising by law or otherwise (including without any obligation of the seller with respect fitness, merchantability and consequential damages) whatever or not occasioned by the sellers negligence.

The Seller disclaims any warranty and expressly disclaims any liability for personal injury and damages. The buyer acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the buyer agrees to indemnify the Seller and to hold the Seller harmless from any claim related to the item of the equipment purchased. Under no circumstances will the seller be liable for any damages or expenses by reason of use or sale of any such equipment.

The Seller assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and in doubt contact the manufacturer.

The buyer is solely responsible for all warranty issues from the manufacturer.

LIMITATION OF WARRANTY

RaceME (Hereafter Seller) gives Limited Warranty as to description, quality, merchantability, and fitness for any particular purpose, productiveness, or any other matter of the Seller's product sold herewith. The Seller shall be in no way responsible for the products proper use and service and the buyer hereby waives all rights other than those expressly written herein. This warranty shall not be extended, altered or varied except to be a written instrument signed by Seller and Buyer.

The warranty is limited to one (1) year from the date of sale and limited solely to the parts contained within the products kit. All products that are in question of warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by RaceME.

Under no circumstances will the Seller be liable for any labor charged or travel time incurred by in diagnosis for defects, removal, or reinstallation of this product or any other contingent expenses.

Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment.

In the event that the buyer does not agree with this agreement: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN TEN (10) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS THE TERMS AND CONDITIONS.

CAUTION

This *RaceME* product is intended for use on unmodified stock engines. Remove any performance enhancing electronic devices and make sure the ECM has been returned to STOCK if you have used another manufacturer's programmer before the RaceME Pro Micro Tuner.

The use of this product to change the performance characteristics of your vehicle could invalidate the warranty provided by the vehicle manufacturer. Consult your vehicle warranty before using the product on your vehicle.

NEVER CONNECT BOTH THE RaceME Pro CONNECTORS AT THE SAME TIME! This could damage RaceME Pro and the computer USB port.

NEVER UNPLUG RaceME Pro WHILE IT IS UPDATING YOUR ECM.

RaceME Pro can recover without pulling fuses, or disconnecting batteries, BUT do not intentionally create this situation. When RaceME Pro is DONE with ECM updates, ABS changes, or clearing DTC codes, it may be unplugged, even if RaceME Pro does not display the typical "Unplug RaceME Pro and Turn Key OFF" screen.

It is recommended that you do not store your RaceME Pro Micro Tuner in your vehicle if ambient temperatures in your area fall below 32°F. Excessively low temperatures can cause malfunction or damage to RaceME Pro Micro Tuner that is not covered by the RaceME warranty.

In the case of ECM replacement, restore the ECM back to the STOCK software before the ECM replacement. RaceME Pro works only with one vehicle and one ECM at a time while it is VIN Locked

Under no circumstances we will refund, repair, or warranty units that are send in and result VIN # locked.

RESTORE ECM TO STOCK SOFTWARE BEFORE ANY SERVICE ASSISTANCE.

If you need to return your vehicle to a service center, restore the vehicle ECM to its STOCK program by following the instruction in this manual. The service center might reprogram your vehicle with an updated, STOCK, software ECM reflash **without** your knowledge. If your vehicle has not been returned to its STOCK program prior to a service visit and the ECM is reflashed, the RaceME Pro Micro Tuner will no longer be able to program your vehicle. Such failure is not covered by the *RaceME* warranty. Under no circumstances will we refund, repair, or warranty units that are sent in that are locked.

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1. Before You Begin

Your vehicle's STOCK program

Your vehicle's ECM **must** contain the manufacturer's STOCK factory program. If you have used a programmer from another aftermarket company, you must use their product to return your ECM back to STOCK condition before proceeding. If you have a performance-enhancing device installed, it must be removed.

Service Centers

If you need to return your vehicle to a service center, restore the vehicle ECM to its STOCK program. The service center might reprogram your vehicle with an updated, STOCK, software ECM reflash **without** your knowledge. If your vehicle has not been returned to its STOCK program prior to a service visit and the ECM is reflashed, the RaceME Pro Micro Tuner will no longer be able to program your vehicle. Such failure is not covered by the RaceME warranty.

Under no circumstances will we refund, repair, or warranty units that are sent in that are locked.

Locking and Unlocking RaceME Pro.

Once RaceME Pro is used on a vehicle, it is VIN # LOCKED to that vehicle AND to that ECM. RaceME Pro can be used only on that vehicle to update ECM software and ABS (speedometer) changes. In order to unlock RaceME Pro, you must use RaceME Pro to return the ECM to the STOCK software, otherwise, RaceME Pro will remain locked. Only RaceME Pro can unlock itself. Follow the instructions in this Manual to return your vehicle to STOCK software. Once unlocked, RaceME Pro may be used on a different vehicle. While RaceME Pro is VIN# Locked, it can still be used to read and clear Diagnostic Trouble Codes (DTCs) on a vehicle and ECM that it is NOT locked to.

Vehicle preparation

Before connecting the RaceME Pro Micro Tuner to your vehicle, make sure that all power-draining accessories are turned off: Radio, headlights, lights, cell phones, etc. All those devices need to be turned off. Please apply the parking brake before you begin a download.

As the RaceME Pro Micro Tuner needs full battery voltage to program, ensure your vehicle battery is fully charged and NOT connected to a battery charger.

Do not disturb or remove the connection cable during the updating operation.

RaceME Pro preparation

During the first use, RaceME Pro reads the identification parameters of your vehicle. After the first use, RaceME Pro can be used only with your vehicle.

Returning the ECM to STOCK software restores RaceME Pro into the original, unlocked condition.

2. RaceME Pro Overview

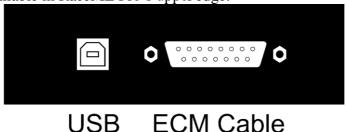
Keyboard operation

RaceME Pro's keyboard is composed of 12 keys:

- Numerical keys from 0 to 9, used to select menu options and enter numerical values
- Right arrow key, used to confirm the selected operation
- Left arrow key, used to go one step back in the operation flow

Connectors

Two connectors are available in RaceME Pro's upper edge:



- USB Connector: Used for connecting RaceME Pro to a personal computer for updates. The update softwares can be downloaded from *RaceME* internet site (www.racemecanada.com).
 - A USB cable is not included. Standard USB 1.1 or USB 2.0 cables can be used to connect RaceME Pro to your personal computer.
- 15 pin Connector: Used to connect RaceME Pro to the vehicle through the vehicle's diagnostic port with an OBD II
 cable.

The OBD II – J1926 diagnostic connector cable is included in RaceME Pro's box. Note: Connecting any other cable to the 15 pin connector invalidates *RaceME* warranty, because it could damage RaceME Pro.

RaceME Pro automatically switches on when one of the two connections described above is made. NEVER CONNECT BOTH CABLES AT THE SAME TIME. This could damage RaceME Pro and the computer USB port. Such failure is not covered by the *RaceME* warranty

3. Connecting RaceME Pro to your vehicle

- Turn on the ignition key to the RUN position. DO NOT START THE ENGINE.
- Plug the furnished OBD II cable into the 15 pin connector in the top edge of RaceME Pro and GENTLY tighten the screws by hand. Over tightening these two screws DOES NOT make a tighter or better connection. The screws are provided to keep the plug held gently to RaceME Pro.
- Plug the RaceME Pro cable into the diagnostic port on your vehicle. The diagnostic port is located inside the cab, to the passenger side of the steering wheel, at the bottom of the dash panel near the floor.

4. Updating the ECM

First time update

Turn on the ignition key to the RUN position. DO NOT START THE ENGINE. Plug RaceME Pro's cable into the diagnostic connector of your vehicle. RaceME Pro will display:

RaceME Pro V:6.00A D:1.00A

The second line of the display shows the firmware version and the tuning data version. Both the internal firmware and the tuning data information can be updated connecting a personal computer. (See *RaceME* internet site for more details.) Then the main menu appears:

1 = ECM Update 2 = Read DTC codes

From the main menu, press '1' to select *ECM Update*.

Then the Options menu appears:

1 = Connect Truck 2 = Adjust Options

From the Options menu, press '1' to select Connect Truck.

RaceME Pro will try to communicate with the ECM. If the connection cannot be established, RaceME Pro asks you to switch off the ignition key:

Turn key OFF Press '>'

Turn the ignition key to "OFF". Press the '>' key. RaceME Pro will then ask you to switch the ignition key "ON" in order to retry the connection:

Turn key ON Press '>'

Turn the ignition key to the "RUN" position. DO NOT START THE ENGINE. Press the '>' key. When the connection has been established, RaceME Pro shows the current installed software.

During the *first* programming, the following screen will appear which indicates a STOCK ECM program is installed:

Present SW: STOCK

Press '>'

RaceME Pro will read the serial number of your vehicle and the serial number of your ECM, then store them into its onboard memory for future reference. From this moment on, RaceME Pro will work only with your vehicle until your vehicle is restored back to the stock settings by RaceME Pro. Press the '>' key. RaceME Pro will ask you to select one of the software versions to load into the ECM:

Choose Software Press a # key

You can choose one of TEN different software versions according to the desired performance. Enter the single digit number (from 0 to 9), that corresponds with the software number to be programmed into your ECM.

RaceME Pro asks you to confirm the selection before he downloads the new software into the ECM: (example software #5 has been entered):

Program SW : 5 Press '>'

Press the '<' key to return back one step and enter a different software number.

Press the '>' key to confirm your selection and to begin the updating session. You will see the following screen:

PROGRAMMING Please Wait

After a few seconds, a numeric counter begins with the percentage of the transmitted software. At the end of the download (when 100% is reached) RaceME Pro will update the functional parameters of the ECM. The following screen will appear:

Updating ECM Please Wait

During the updating session, RaceME Pro can ask to Turn key OFF and Turn Key ON. Please follow these instructions. DO NOT DISCONNECT RaceME Pro before the updating session is completed. At the end of the updating session, the following screen appears:

UPDATE DONE

After a few seconds RaceME Pro displays the following message:

Unplug RaceME Pro

Please unplug RaceME Pro from the diagnostic port and turn the Key off for 15 seconds. Remember to restore the STOCK software before returning your vehicle to a service center.

Changing Software

Turn on the ignition key to the RUN position. DO NOT START THE ENGINE. Plug RaceME Pro's cable into the diagnostic connector of your vehicle. RaceME Pro will display:

RaceME Pro # V:6.00A D:1.00A

When the "#" symbols are displayed on the first line, RaceME Pro is VIN# locked to a vehicle. The second line of the display shows the firmware version and the tuning data version.

After a few seconds the PoD menu will appear:

1 = Power On Demand 2 = Main Menu

Press the '2' key to select the main menu:

1 = ECM / ABS Update 2 = Read DTC Codes

Once RaceME Pro is VIN# Locked, the ABS control system can be accessed in order to correct the wheel height.

Press the '1' key, and RaceME Pro displays the following screen:

1 = ECM Update 2 = ABS Update

Press the '1' key to select *ECM Update*.

Then the Options menu appears:

1 = Connect Truck 2 = Adjust Options

From the Options menu, press '1' to select Connect Truck.

RaceME Pro will try to communicate with the ECM. If the connection cannot be established, RaceME Pro asks you to switch off the ignition key:

Turn key OFF Press '>'

Turn the ignition key to "OFF". Press the '>' key. RaceME Pro will then ask you to turn on the ignition key in order to retry the connection:

Turn key ON Press '>'

Turn the ignition key to the "RUN" position. DO NOT START THE ENGINE. Press the '>' key. When the connection has been established, RaceME Pro shows the currently installed software. After the first update, the following screen will appear displaying the software currently installed in the ECM: (See example below for RaceME Pro software #5).

Present SW: 5 Press '>'

Press the '>' key. RaceME Pro asks you to select either Software Versions (see Change software Programs below) or the STOCK software:

1 = Software 2 = Stock

Return to STOCK program.

Press the '2' key. RaceME Pro asks for confirmation to restore the ECM to STOCK software:

Program STOCK SW Press '>'

Press the '>' key. The ECM is restored to STOCK software and RaceME Pro is unlocked. RaceME Pro can now be used on another vehicle.

Change software programs

Press the '1' key in the above described menu. RaceME Pro asks you to enter the software number (0 to 9) that is to be loaded into the ECM:

Choose Software Press a # key

Enter the single digit number (from 0 to 9) that corresponds with the software number to be programmed into your ECM.

RaceME Pro asks you to confirm the selection before it downloads the new software into the ECM: (example software #9 has been entered):

Program SW: 9 Press '>'

Press the '<' key to return back one step and enter a different software number. Press the '>' key to confirm your selection and to begin the updating session. You will see the following screen:

PROGRAMMING Please Wait

After a few seconds, a numeric counter begins with the percentage of the transmitted software. At the end of transmission (when 100% is reached), RaceME Pro will update the functional parameters of the ECM. The following screen will appear:

> Updating ECM Please Wait

During the updating session, RaceME Pro can ask to Turn key OFF and Turn Key ON. Please follow these instructions. DO NOT DISCONNECT RaceME Pro before the updating session is completed. At the end of the updating session, the following screen will appear:

UPDATE DONE

After a few seconds RaceME Pro displays the following message:

Unplug RaceME Pro

Please unplug RaceME Pro from the diagnostic port and turn the key of for 15 seconds.

Recovery of the ECM

If an interruption occurs during an Update or the Update operation is terminated before the normal end for any reason the ECM will not be operational. You must recover the ECM using RaceME Pro to resume the update process.

> Attention! The engine will not start before the ECM has been recovered properly! (The Wait to Start Light will flash continuously)

DON'T PANIC!

RaceME has developed a special boot loader software that is used during all the ECM Updates. Unlike the OEM DRBIII tool, there is no need to pull fuses or disconnect the batteries! No tools are needed! At *RaceME* we've done our homework!

Just follow the directions on RaceME Pro's display.

RaceME Pro will handle the situation for you in a few simple steps.

Unplug RaceME Pro, then, plug it in again. After a few seconds the usual main menu will appear.

1 = ECM / ABS Update 2 = Read DTC Codes

Press the '1' key, and RaceME Pro displays the following screen:

1 = ECM Update

2 = ABS Update

Press the '1' key to select *ECM Update*.

RaceME Pro will try to establish the communication with the ECM. The connection cannot be established because the last updating session has been interrupted. RaceME Pro knows that the last update has not been performed correctly, and will recognize the not operational ECM condition. RaceME Pro asks you to switch off the ignition key:

Turn key OFF Press '>'

Turn the ignition key to "OFF". Press the '>' key. RaceME Pro will then ask you then to turn ON the ignition key in order to retry the communication:

Turn key ON Press '>'

Turn the ignition key to the "RUN" position. DO NOT START THE ENGINE. Press the '>' key. The communication cannot start yet. RaceME Pro shows the following message:

A previous update has been interrupted Press '>' to restore ECM to Stock

The message is longer than the display, so the message will repeatedly scroll across the screen. Press the '>' key. The recovery operation starts. You will see the following message:

PROGRAMMING Please Wait

After a few seconds, a numeric counter with the percentage of the transmitted software will appear. At the end of the transmission (when 100% is reached), RaceME Pro will update the functional parameters of the ECM. The following screen will appear:

Updating ECM Please Wait

During the updating session, RaceME Pro can ask to Turn key OFF and Turn Key ON. Please follow these instruction. DO NOT DISCONNECT RaceME Pro before the updating session is completed. At the end of the recovery operation, the following screen appears:

UPDATE DONE

After a few seconds RaceME Pro displays the following message:

Unplug RaceME Pro

Please, unplug RaceME Pro from the diagnostic port and <u>turn the ignition key off for 15 seconds</u>. The job is done. The ECM has been returned to the STOCK software and RaceME Pro is no longer VIN# Locked. You're ready to start from the beginning again.

5. Power on Demand (not available for MY 2010 and above)

This function allows the user to select the preferred power level instantly, also during the driving! At the PoD menu:

Press '1' key to enter the Power on Demand function, the Power page will appear:

Power can be selected between 99 (full power) and 0 (lower power). Just type the preferred power.

The number will appear in the second line of the display, after a while it appears on the first line, this confirms that the value has been correctly sent to the truck. You have just to release the throttle to apply the new power.

RaceME Pro waits for a new Power on Demand adjustment. To return to the PoD menu, press '<'.

6. Adjusting optional parameters

Before the programming, RaceME Pro proposes the adjustment of the optional parameters. To enter this function, press 2 in the Options menu:

The list of optional parameter varies according to the installed software.

For each parameter, the current option status is shown on the first line of the display. With RaceME Pro numeric keyboard, the optional parameters can be adjusted.

To maintain unchanged the current parameter, press the '>' key.

You can return back one step, in any moment with the '<' key.

Speed limiter

The speed limiter can be adjusted anywhere from 25 to 250 MPH in one MPH steps.

IMPORTANT: Your tires might not be rated for increased speeds. Please check your tires rating!

To set the speed limiter to Stock, select 0.

Torque (not available for MY 2010 and above)

The Torque selection can be programmed 1 (stock), 2 (mild), 3 (moderate) or 4 (wild). To use the default torque setting for the current software level, press 0.

IMPORTANT: with torque level 3 or above, an aftermarket clutch/AT Transmission is recommended.

Injection Timing

The Timing selection can be programmed:

For a MY 2007-2009: 1 (stock), 2 (Advanced), 3 (Mild) or 4 (Wild).

For a MY 2010 and above: 1 (stock), 2 (Wild), 3 (Advanced) or 4 (Mild).

To use the default timing setting for the current software level, press 0.

Setting Advanced is suggested for aftermarket injectors.

Rail Pressure (not available for MY 2010 and above)

The Rail Pressure selection can be programmed 1 (stock), 2 (mild), 3 (moderate) or 4 (wild). To use the default rail pressure for the current software level, press 0.

With level 3 or above, aftermarket injectors are recommended.

Variable Geometry Turbo (not available for MY 2010 and above)

The VG Turbo selection can be programmed 1 (stock), 2 (mild), 3 (moderate) or 4 (wild). To use the default VG Turbo for the current software level, press 0.

7. Reading Key-on counter

From the main menu, press the function.

1 = ECM / ABS Update 2 = Data Read '2' key to select the data read

From the data read menu, press the '1' key to select this function.

1 = Key-on Counter 2 = DTC Codes

RaceME Pro will try to establish a communication with the ECM. If the Key was not in the on position RaceME Pro will display this message:

Turn key OFF Press '>'

Pressing the '>' key, RaceME Pro asks you to turn on the ignition key to retry the connection:

Turn key ON Press '>'

When the connection has been established, RaceME Pro shows the key-on counter:

Key cnt: 567 Press '>'

Please remember that every time the key is switched off, as at the end of the programming, the key-on counter increases.

8. Reading DTC's

Reading Diagnostic Trouble Codes

The DTC (Diagnostic Trouble Code) reader function present in RaceME Pro Micro Tuner is for convenience purpose only.

RaceME makes no warranty to the accuracy of the interpretations. The description of all the DTC is shown on RaceME Pro's display. Many logged codes are transitory; they are automatically reset. From the main menu, press the '2' key to select the data read function.

1 = ECM / ABS Update 2 = Data Read

From the data read menu, press the '2' key to select this function.

1 = Key-on Counter 2 = DTC Codes

RaceME Pro will try to establish communication with the ECM. If the Key was not turned into the on position RaceME Pro will display this message:

Turn key OFF Press '>'

Pressing the '>' key, RaceME Pro asks you to turn on the ignition key to retry the connection:

Turn key ON Press '>'

When the connection has been established, if no DTC codes are present, the following screen appears:

No DTC Stored Press '>'

If one or more DTC's are stored, RaceME Pro shows the number of DTC's present with the following screen:

8 DTC Present Press '>'

With the keys '<' and '>' all the present DTC codes can be displayed, one code at a time with the following screen:

DTC #1 . P0108 MAP sensor volta

The first line of display shows the DTC "P" code. <u>The second line shows the DTC code description</u>. If the DTC code description is longer that the physical dimension of the display, the description will scroll across the screen.

Clearing DTC codes

At the end of the DTC code list, RaceME Pro can either clear all the stored DTC codes from the ECM memory or exit:

1 = Clear DTC 2 = Exit

Press the '1' key, to clear all the DTC codes stored in the ECM.

Press the '2' key, the DTC codes will not be erased and RaceME Pro will return to the main screen. When the erasing operation has been completed, the following screen appears:

DTC Cleared Press '>'

9. ABS Update (tire height update)

Once RaceME Pro is VIN# Locked (i.e. a software has been loaded in the ECM) the speedometer of the vehicle can be adjusted according to the tire height.

From the main menu, shown below, press the '1' key.

1 = ECM / ABS Update 2 = Data Read

To change the tire height, choose the ABS update function:

Press the '2' key, in the second menu as shown below:

1 = ECM Update 2 = ABS Update

RaceME Pro will try to establish the communication with the ABS.

If the ignition key was not turned to the "RUN" position RaceME Pro will display this message:

Turn key OFF Press '>'

Press the '>' key, then RaceME Pro will prompt you to turn on the ignition key to retry the connection:

Turn key ON Press '>'

When the connection has been established, RaceME Pro shows the current tire height (Curr Tire:) in the top line of the screen:

Curr.Tire:40.00.

New Tire:__.__.

Type in the correct tire height with the numerical keys, entering a decimal point is not required.

Any tire height from 25.00" to 45.00" can be chosen in 0.05" increments. If you enter an increment other than 0.05", RaceME Pro will round it to the next correct increment. The '<' key can be used to change entries.

After you have entered the correct tire height, press the '>' key. RaceME Pro will prompt you for confirmation to proceed:

New Tire:42.25. Press '>' to Start

The '<' key can be used return to the previous screen to change the New Tire size.

Press the '>' key, to start updating the ABS unit with the new tire height.

A typical ABS change will take only a couple of seconds.

When the operation has been successfully completed, the following screen appears:

PROGRAM DONE

The ABS unit does not always change, so RaceME Pro will re-read the tire height from the ABS unit and display the results as shown in the following screen:

Curr.Tire:42.25. Press '>'

If the ABS unit did not change to the new tire height, Press the '<' key to return to the previous screen, and re-enter the correct tire height.

When the tire height change is completed, press the '>' key. RaceME Pro will display the following screen:

Unplug RaceME Pro Turn key OFF

Please, unplug RaceME Pro from the diagnostic port and turn the ignition key off for 30 seconds.

Notes: To increase the speedometer reading, increase the tire size.

To decrease the speedometer reading, decrease the tire size.

The ABS accuracy is questionable. Verify the speedometer reading with a GPS or by pacing a vehicle with a speedometer known to be accurate.

10. Updating RaceME Pro

Both the internal firmware and the tuning data information can be updated through USB connector. Please see *RaceME* internet site (www.racemecanada.com) for more details and software download.

11. Appendix A: Error messages description This section contains all the possible error messages shown by RaceME Pro:

| Error message | Cause | Solution |
|--|-------------------------------|---|
| CAN ERROR # | A problem in the CAN Bus | Check connection cable or contact |
| | communication | <i>RaceME</i> if the problem persists |
| CCD ERROR # | The communication with | Check connection cable or check ABS |
| | ABS unit doesn't work | unit |
| COMM. TIME OUT | The ECM of the vehicle | Turn the ignition key on (DO NOT |
| | doesn't answer to RaceME | START ENGINE) or Check the |
| | Pro | connection cable |
| ECM Changed | The ECM unit of the vehicle | Restore the original ECM back to |
| _ = =================================== | has been changed | STOCK before changing ECM |
| Empty Memory, | The last Update operation | Repeat the Update operation. |
| Please Update | (through USB port) has been | The data files are available on the |
| The second of th | unsuccessfully completed. | RaceME internet site. |
| | RaceME Pro memory has | |
| | been corrupted. | |
| INTERNAL ERROR # | RaceME Pro internal | Call RaceME assistance |
| | malfunction | Curr 1 turo 11 12 turo 20 turo 1 |
| Memory Error | A malfunction in the | Call RaceME assistance |
| 1.10111019 =1101 | RaceME Pro's memory | Curr 1 turo 11 12 turo 20 turo 1 |
| Memory Written | The update file transmitted | Download again the update file from |
| Wrong Data File | to RaceME Pro through USB | RaceME internet site and update |
| | port is corrupted | RaceME Pro with the correct file |
| PROGRAM ABORTED | The ECM update function | Restore the ECM to STOCK with the |
| | has been interrupted | recovery procedure. |
| S/N Verify Error | The serial number of your | Check connection cable |
| | vehicle has not been verified | |
| SW Version doesn't | The ECM software version | Please contact RaceME or the seller. |
| Match S/N | doesn't match with the serial | |
| | number | |
| MISS <xyz> / PLS CALL</xyz> | Your vehicle contains a | Please inform <i>RaceME</i> about the new |
| RaceME | software version unknown to | ECM calibration. In order to program |
| | RaceME Pro | the truck press ">" key. RaceME Pro |
| | | shows this string "LOAD <xyz> / Press</xyz> |
| | | >". Programming will start if you |
| | | confirm the request by pressing ">" key. |
| | | To return back just press "<" key at any |
| | | request. |
| VIN# Locked | RaceME Pro has been | Restore the original vehicle back to |
| | connected to a different | STOCK before connecting RaceME Pro |
| | vehicle | to a new vehicle |
| WRONG CAN BUS | The connection between | Please contact RaceME or the seller. |
| | RaceME Pro and the ECM is | |
| | not correct | |
| WRONG COMMUNIC. | The communication between | Check the connection cable or the |
| | RaceME Pro and the ECM | battery charge level |
| | unit is disturbed | |
| WRONG VIN# | The serial number of your | Wait 30 seconds with the ignition key |
| | vehicle is not valid | on and try again |

12. Warranty

How Do You Get Service?

If something goes wrong with your Product during the warranty period, use the following procedure to return the Product to *RaceME Company*.

- 1. Restore the STOCK software to your vehicle ECM. DO NOT RETURN A VIN # LOCKED RaceME Pro.
- 2. Send an e- mail to *RaceME* (e-mail information is available from *RaceME* internet site) Include the following:
 - Information from your sales receipt (electronic copy would be appreciated). The sales receipt must be from the location where you purchased your Product and must include the name of the business where you purchased the Product and the address of the business.
 - Serial number of the product
 - A brief written description of the problem
 - Your address and other personal information to contact you
- 3. Contact RaceME distributors for immediate assistance