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| **HOW TO: Mode23, Disable DTC, Disable Seconday BCS, Enable MAF Scale, & More - UPDATED**  **FIRST and FOREMOST...**  Code:  **DISCLAIMER: I am not liable for any damage that incurs because of the owner trying to modify the ECU ROM Data. This includes mechanical damage (engine detonating and rod going through the side) and electrical (you bricking the ECU). Please do this at your own risk! I don't want any posts in this thread how something broke.**  Code:  **DISCLAIMER: Most of these lines of code and definitions were discovered by Tephra and Gunzo as well as Colby the creator of the Tactrix Cable and ECUFLASH. I do not take any credit for this information. Only the how to part is my own intellectual property.**  **SECOND**  UPDATES:  **I will attempt to update this thread whenever I find out new information on ECUFLASH or new maps or DTC's are discovered. If you have any information on a new map or extra definitions for EVO X models. Please PM me or post them in this thread and I will update the main post.**   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **EQUIPMENT REQUIRED**  Code:  1x Tactrix Openport 2.0 OBDII Dongle (Purchase @: Google "Tactrix" )  1x ECUFLASH Software (Download @: <http://www.openecu.org/index.php?title=EcuFlash> )  1x Laptop  1x Common Sense and a Human Brain along with opposable thumbs.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   **MODE 23 ENABLE**   **STEP 1**: DOWNLOAD & INSTALL... Latest Version of ECUFLASH (If you have no idea how to do this please stop right here and do not proceed and further with this tutorial.)   **STEP 2**: Go to your sweet EVO X (Bring your laptop and Tactrix OP 2.0 Dongle). Now plug your Dongle into the OBDII port and plug the [USB cable](http://www.ebay.com/sch/Consumer-Electronics-/293/i.html?_nkw=usb+cable) into the laptop. Now open up ECUFLASH.   **STEP 3**: Download your ROM from your ECU. This step is critical for you to continue. Look at the picture. The button on top that the red arrow is point to will be highlighted in blue once you are connected to the ECU.  It will look like this below:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/DOWNLOADROMFROMECU.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FDOWNLOADROMFROMECU.jpg) |   **STEP 4**: Please turn your IGNITION to the ON POSITION (the last position before cranking the engine).  **STEP 4a**: Please turn off all your fans, radio, headlights etc...  **STEP 5**: Now please click on the READ button from STEP 3. A disclaimer will appear click OK. Now ECUFLASH will download your STOCK or your TUNER ROM. Once it is done a message will appear please click OK. Now turn your IGNITION OFF.  **STEP 6**: Now please go to FILE and SAVE AS and save to a folder you like or to desktop your ROM from the car. Disconnect everything and and head inside.   Once Saved it will something like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/SAVEDSTOCKROM.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FSAVEDSTOCKROM.jpg) |   **STEP 7**: Check what version of the ROM you are using. I will be using example for a GSR, but the steps are the same for MR. Except the ROMs are named different numbers or names.  **STEP 7a**: Check what XML file your ROM inherits. This is important!!! Red arrows point to both in the picture. You must go to ROM ID on LEFT hand table in ECUFLASH to check this information. Just click the + and it will open with this information.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHIDINHERITS.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHIDINHERITS.jpg) |   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   **Now that we have the stock or tuned log download we are ready to add MODE23.**   **STEP 1**: Please go to where you installed ECUFLASH on your computer. Should be in:  Code:  C: WINDOWS/ PROGRAM FILES/ OPENECU / ECUFLASH / ROMMETADATA / MITSUBISHI / EVO  **STEP 2**: Create a BACK UP folder within that folder to back up your two main XML files.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHFOLDER.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHFOLDER.jpg) |   **STEP 3**: The files...  FOR THIS EXAMPLE I WILL BE USING 52680020.HEX ROM.  There for you will require these files...  Code:  evo10base.xml  52680015.xml  COPY these into your back up folder. These will be your originals.  **STEP 4**: How to figure out what files you have to back up and modify. Once you know what file your ROM inherits you will be able to modify that particular XML file. Therefore if your ROM INHERITS: 52680015.xml . It means that you will need to modify that particular ROM file.   You will always have to modify Evo10base.xml along with whatever file your ROM inherits. There two files always have to be modified for Mode23 to work. This will apply to DTC's as well.  **STEP 5**:  **DEFINITIONS: Thanks to TEPHRA & GUNZO!**  Code:  NOTE: The name in EcuFlash describes what changes you need to make (ie 0x05 -> 0x23). **IF the CURRENT value doesn't match here STOP AND ASK!!!**  52690019  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" type="1D" address="0x7f121" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" type="1D" address="0x8aafd" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" type="1D" address="0x8ab02" scaling="Hex16"/>  53040007 -> 53040010  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" type="1D" address="0x7f145" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" type="1D" address="0x8aa59" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" type="1D" address="0x8aa5e" scaling="Hex16"/>  52680015 -> 52680020  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" type="1D" address="0x7f121" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" type="1D" address="0x8ab11" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" type="1D" address="0x8ab16" scaling="Hex16"/>  52360018  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" type="1D" address="0x7f58d" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" type="1D" address="0x8ada5" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" type="1D" address="0x8adaa" scaling="Hex16"/>  53600010  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" type="1D" address="0x7efbd" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" type="1D" address="0x8aa61" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" type="1D" address="0x8aa66" scaling="Hex16"/>  53050006 -> 53050009  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" address="7f145" type="1D" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" address="8a9f1" type="1D" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" address="8a9f6" type="1D" scaling="Hex16"/>  54060007  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" address="7efc1" type="1D" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" address="8aa7d" type="1D" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" address="8aa82" type="1D" scaling="Hex16"/>  54070007  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" address="7efc1" type="1D" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" address="8aa69" type="1D" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" address="8aa6e" type="1D" scaling="Hex16"/>  55570005  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" address="7f10b" type="1D" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" address="8ad5f" type="1D" scaling="Hex8"/>  <table name="DoMode 0x4D -> 0x5D" category="Misc" address="8ad66" type="1D" scaling="Hex16"/>  53610010  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" address="7efb1" type="1D" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" address="8a919" type="1D" scaling="Hex8"/>  <table name="DoMode 0x42 -> 0x52" category="Misc" address="8a91e" type="1D" scaling="Hex16"/>  55590006  <table name="IFMode 0x05 -> 0x23 #1" category="Misc" address="7f107" type="1D" scaling="Hex8"/>  <table name="IFMode 0x05 -> 0x23 #2" category="Misc" address="8ad43" type="1D" scaling="Hex8"/>  <table name="DoMode 0x4D -> 0x5D" category="Misc" address="8ad4a" type="1D" scaling="Hex16"/>  **STEP 6**: Now create a folder called "Modified XML" Copy the two previous files in their as well, this means in our case:  Code:  evo10base.xml  52680015.xml   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/MODFIEDXML.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FMODFIEDXML.jpg) |   **STEP 7**: Open your Modified XML folder. We will being to modify the XML files. Now right click your evo10base.xml file and select OPEN WITH and then Select Notepad and click on Notepad. The file will open in NOTEPAD. Now scroll down into the "MISC" section in the XML. Should be near the bottom. It does not matter where you place the code as long as it is in the section. However, I think the easier place is to copy and paste the correct CODE to the front of MISC section.  Therefore it will look something like this in your evo10base.xml   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/MODE23inevo10base.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FMODE23inevo10base.jpg) |   **STEP 8**: Now go and to FILE and SAVE AS... please save this correctly as:  Code:  evo10base.XML  Do not forget the .XML or it might save it as a NOTEPAD file.  **STEP 9**: Now open the other file in this case it is 52680015.XML ... your ROM may inherit a different XML file. Therefore, you might need to use a different XML then shown in this tutorial.   Now once you have the correct .xml file open. How will scroll down to the "MISC" section and post the correct CODE data from this thread into that file. BOTH EVO10BASE and 526800xx.xml or any other variation are same code.  Therefore this file will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/MODE23in52680015.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FMODE23in52680015.jpg) |   Be sure to go to FILE and SAVE AS 526800xx.XML. Don't forget the .XML.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-05-2009 at 05:03 PM.* | |
| Clipse3GT is offline | | [Reply With QuoteQuick reply to this message](http://www.evoxforums.com/forums/newreply.php?do=newreply&p=287437) |
| [Remove Advertisements](http://www.evoxforums.com/forums/register.php)  Sponsored Links | | | |
| [Evo X Forums](http://www.evoxforums.com/forums)  Advertisement | | |  |  | | --- | --- | |  |  | | |

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| Old11-05-2009, 02:18 AM | #**[2](http://www.evoxforums.com/forums/showpost.php?p=287438&postcount=2" \t "new)** |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: (**[100](http://www.evoxforums.com/forums/itrader.php?u=5027)**)  Location: Cleveland, OH  Posts: 6,062 | **STEP 9a:** Now that you have your modified .XML files saved in the MODIFIED XML folder. You will copy these edited .XML files into your "EVO" folder to replace the ORIGINAL FILES. Copy and Replace! **STEP 10**: Now open up ECUFLASH and you will now go to FILE and OPEN ROM and now go select where you saved the ROM you pulled from your car and open that ROM.  Will look like this again:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/SAVEDSTOCKROM.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FSAVEDSTOCKROM.jpg) |   **STEP 11**: Now once your ROM is OPEN. The table options on the LEFT will appear. Scroll down to MISC section. You will find these options opened up if you did the previous steps correctly.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/MODE23inECUFLASH.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FMODE23inECUFLASH.jpg) |   **STEP 12**: Now you will need to change the values in these tables in order to ENABLE MODE 23 (or logging mode for EVOSCAN 2.7 and up). There it will tell you what you need to change each table to by something like this:  Code:  0x05 -> 0x23   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/MODE23TABLESOPEN.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FMODE23TABLESOPEN.jpg) |   In order to change the value select the "0x05" value and then hit the "=" key it will open up a direct edit screen. Now you must enter this value in order to ENABLE MODE 23 "0x23"  Now it will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/MODE23TABLESOPENEDITED.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FMODE23TABLESOPENEDITED.jpg) |   **STEP 13**: Now go to FILE and SAVE AS whatever name you want to name it. Now go to the car, TURN car to ON position. With everything connected. You will now FLASH your car with the new ROM file. To update the ECU in order to use MODE 23.  This ICON on top will light up in RED once the ECU is ready to be written to:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHFLASHTOECU.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHFLASHTOECU.jpg) |   CONGRATS! Now you have MODE23 enabled.   Next few days, I will have how to disable DTC's, ENABLE MAF Scaling, and Percent Low Timing Trim enable.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-05-2009 at 05:17 AM.* |
| Clipse3GT is offline | [Reply With QuoteQuick reply to this message](http://www.evoxforums.com/forums/newreply.php?do=newreply&p=287438) |
| Old11-05-2009, 04:24 AM | #**[3](http://www.evoxforums.com/forums/showpost.php?p=287549&postcount=3" \t "new)** |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | **DISABLE DTC**'s    **ALL CURRENT DTC's *P1238 -*** [Mass airflow sensor](http://motors.shop.ebay.com/i.html?_nkw=mass+airflow+sensor) plausibility (torque monitor) ***P1241 -*** Torque monitor **(AKA HARD LIMP MODE - DISABLE WITH VTA BOV AND AFTER MARKET BOV's)  *P1235 -*** Mass airflow sensor plausibility ***P1234 -*** Throttle position sensor (sub) plausibility ***P1233 -*** Throttle position sensor (main) plausibility ***P0247 -*** Turbocharger wastegate solenoid 2 circuit **(Only DISABLE if using a 3** [**PORT SOLENOID**](http://stat.dealtime.com/DealFrame/DealFrame.cmp?bm=519&BEFID=96477&acode=516&code=516&aon=&crawler_id=1912695&dealId=mRR76jy0k6C-hJtGaR7Yww%3D%3D&searchID=&url=http%3A%2F%2Frover.ebay.com%2Frover%2F1%2F711-57618-1854-0%2F2%3Fkwid%3D1%26mtid%3D570%26crlp%3D1_240251%26kw%3D%7Bquery%7D%26linkin_id%3D%7Blinkin_id%7D%26sortbid%3D%7Bbidamount%7D%26fitem%3D380752818914%26mt_id%3D570%26mpre%3Dhttp%253A%252F%252Fwww.ebay.com%252Fitm%252Flike%252F380752818914%26mid%3D446528%26sdc_id%3D%7Bsdc_id%7D&DealName=Turbosmart%20Ts-0301-2003%204%20Port%20Solenoid%20Kit&MerchantID=446528&HasLink=yes&category=0&AR=-1&NG=1&GR=1&ND=1&PN=1&RR=-1&ST=&MN=msnFeed&FPT=SDCF&NDS=1&NMS=1&NDP=1&MRS=&PD=0&brnId=2455&lnkId=8070676&Issdt=140104051318&IsFtr=0&IsSmart=0&dlprc=118.07&SKU=380752818914)**!)** **DO NOT DISABLE: P0247 if using stock boost control solenoids. Only DISABLE if using a 3 PORT SOLENOID!**   **DISABLE DTC CODE** - THANKS TO TEPHRA!!!  Code:  53040010:  <table name="DTC P1238 Disable 0x0384 -> 0xFFFF" category="Misc" address="631ea" type="1D" scaling="Hex16"/>  <table name="DTC P1241 Disable 0x03E8 -> 0xFFFF" category="Misc" address="631e0" type="1D" scaling="Hex16"/>  <table name="DTC P1235 Disable 0x0026 -> 0xFFFF" category="Misc" address="549c0" type="1D" scaling="Hex16"/>  <table name="DTC [P1233](http://viglink.pgpartner.com/rd.php?r=402&m=785248601&q=n&rdgt=1388849208&it=1389022008&et=1389454008&priceret=19.87&pg=%7E%7E3&k=e8e9b004de2fbf4d7cb7ca8fdb96316b&source=feed&url=http%3A%2F%2Fwww%2Eamazon%2Ecom%2Fdp%2FB000C6IXY2%2Fref%3Dasc%5Fdf%5FB000C6IXY22792074%3Fsmid%3DATVPDKIKX0DER%26tag%3Dpg%2D95%2D01%2D20%26linkCode%3Dasn%26creative%3D395097%26creativeASIN%3DB000C6IXY2&st=feed&mt=%7E%7E%7E%7E%7E%7E%7E%7En%7E%7E%7E" \o "Link added by VigLink" \t "_blank) Disable 0x0028 -> 0xFFFF" category="Misc" address="549bc" type="1D" scaling="Hex16"/>  <table name="DTC P1234 Disable 0x0028 -> 0xFFFF" category="Misc" address="549be" type="1D" scaling="Hex16"/>  <table name="DTC P0247 Disable 0xF99F -> 0xF19F" category="Misc" address="92ba6" type="1D" scaling="Hex16"/>  52680015 -> 52680020:  <table name="DTC P1238 Disable 0x0384 -> 0xFFFF" category="Misc" address="631ae" type="1D" scaling="Hex16"/>  <table name="DTC P1241 Disable 0x03E8 -> 0xFFFF" category="Misc" address="631a4" type="1D" scaling="Hex16"/>  <table name="DTC P1235 Disable 0x0026 -> 0xFFFF" category="Misc" address="549b2" type="1D" scaling="Hex16"/>  <table name="DTC [P1233](http://viglink.pgpartner.com/rd.php?r=402&m=785248601&q=n&rdgt=1388849208&it=1389022008&et=1389454008&priceret=19.87&pg=%7E%7E3&k=e8e9b004de2fbf4d7cb7ca8fdb96316b&source=feed&url=http%3A%2F%2Fwww%2Eamazon%2Ecom%2Fdp%2FB000C6IXY2%2Fref%3Dasc%5Fdf%5FB000C6IXY22792074%3Fsmid%3DATVPDKIKX0DER%26tag%3Dpg%2D95%2D01%2D20%26linkCode%3Dasn%26creative%3D395097%26creativeASIN%3DB000C6IXY2&st=feed&mt=%7E%7E%7E%7E%7E%7E%7E%7En%7E%7E%7E) Disable 0x0028 -> 0xFFFF" category="Misc" address="549ae" type="1D" scaling="Hex16"/>  <table name="DTC P1234 Disable 0x0028 -> 0xFFFF" category="Misc" address="549b0" type="1D" scaling="Hex16"/>  <table name="DTC P0247 Disable 0xF9DF -> 0xF1DF" category="Misc" address="9356a" type="1D" scaling="Hex16"/>  52360016:  <table name="DTC P1238 Disable 0x0384 -> 0xFFFF" category="Misc" address="62b9a" type="1D" scaling="Hex16"/>  <table name="DTC P1241 Disable 0x03E8 -> 0xFFFF" category="Misc" address="62b90" type="1D" scaling="Hex16"/>  <table name="DTC P1235 Disable 0x0026 -> 0xFFFF" category="Misc" address="549a8" type="1D" scaling="Hex16"/>  <table name="DTC [P1233](http://viglink.pgpartner.com/rd.php?r=402&m=785248601&q=n&rdgt=1388849208&it=1389022008&et=1389454008&priceret=19.87&pg=%7E%7E3&k=e8e9b004de2fbf4d7cb7ca8fdb96316b&source=feed&url=http%3A%2F%2Fwww%2Eamazon%2Ecom%2Fdp%2FB000C6IXY2%2Fref%3Dasc%5Fdf%5FB000C6IXY22792074%3Fsmid%3DATVPDKIKX0DER%26tag%3Dpg%2D95%2D01%2D20%26linkCode%3Dasn%26creative%3D395097%26creativeASIN%3DB000C6IXY2&st=feed&mt=%7E%7E%7E%7E%7E%7E%7E%7En%7E%7E%7E) Disable 0x0028 -> 0xFFFF" category="Misc" address="549a4" type="1D" scaling="Hex16"/>  52360018:  <table name="DTC P1238 Disable 0x0384 -> 0xFFFF" category="Misc" address="631b2" type="1D" scaling="Hex16"/>  <table name="DTC P1241 Disable 0x03E8 -> 0xFFFF" category="Misc" address="631a8" type="1D" scaling="Hex16"/>  <table name="DTC P1235 Disable 0x0026 -> 0xFFFF" category="Misc" address="549b6" type="1D" scaling="Hex16"/>  <table name="DTC P1233 Disable 0x0028 -> 0xFFFF" category="Misc" address="549b2" type="1D" scaling="Hex16"/>  <table name="DTC P1234 Disable 0x0028 -> 0xFFFF" category="Misc" address="549b4" type="1D" scaling="Hex16"/>  <table name="DTC [P1234](http://rover.ebay.com/rover/1/711-53200-19255-0/1?toolid=10029&campid=CAMPAIGNID&customid=CUSTOMID&catId=6000&type=2&ext=290836553006&item=290836553006" \o "Link added by VigLink" \t "_blank) Disable 0x0028 -> 0xFFFF" category="Misc" address="549a6" type="1D" scaling="Hex16"/>  52690019:  <table name="DTC P1238 Disable 0x0384 -> 0xFFFF" category="Misc" address="631ae" type="1D" scaling="Hex16"/>  <table name="DTC P1241 Disable 0x03E8 -> 0xFFFF" category="Misc" address="631a4" type="1D" scaling="Hex16"/>  <table name="DTC P1235 Disable 0x0026 -> 0xFFFF" category="Misc" address="549b2" type="1D" scaling="Hex16"/>  <table name="DTC P1233 Disable 0x0028 -> 0xFFFF" category="Misc" address="549ae" type="1D" scaling="Hex16"/>  <table name="DTC P1234 Disable 0x0028 -> 0xFFFF" category="Misc" address="549b0" type="1D" scaling="Hex16"/>  <table name="DTC P0247 Disable 0xF9DF -> 0xF1DF" category="Misc" address="93556" type="1D" scaling="Hex16"/>  53040007:  <table name="DTC P1238 Disable 0x0384 -> 0xFFFF" category="Misc" address="631b2" type="1D" scaling="Hex16"/>  <table name="DTC P1241 Disable 0x03E8 -> 0xFFFF" category="Misc" address="631a8" type="1D" scaling="Hex16"/>  <table name="DTC P1235 Disable 0x0026 -> 0xFFFF" category="Misc" address="549bc" type="1D" scaling="Hex16"/>  <table name="DTC [P1233](http://viglink.pgpartner.com/rd.php?r=402&m=785248601&q=n&rdgt=1388849208&it=1389022008&et=1389454008&priceret=19.87&pg=%7E%7E3&k=e8e9b004de2fbf4d7cb7ca8fdb96316b&source=feed&url=http%3A%2F%2Fwww%2Eamazon%2Ecom%2Fdp%2FB000C6IXY2%2Fref%3Dasc%5Fdf%5FB000C6IXY22792074%3Fsmid%3DATVPDKIKX0DER%26tag%3Dpg%2D95%2D01%2D20%26linkCode%3Dasn%26creative%3D395097%26creativeASIN%3DB000C6IXY2&st=feed&mt=%7E%7E%7E%7E%7E%7E%7E%7En%7E%7E%7E" \o "Link added by VigLink" \t "_blank) Disable 0x0028 -> 0xFFFF" category="Misc" address="549b8" type="1D" scaling="Hex16"/>  <table name="DTC P1234 Disable 0x0028 -> 0xFFFF" category="Misc" address="549ba" type="1D" scaling="Hex16"/>  Code:  IF THE BEFORE NUMBERS, ie 0x0384 or 0x03E8 or 0x26 etc, **DON'T MATCH** - then STOP and ASK!!!!!  OK - you need to do 1235/1233/1234 all together, otherwise you will still get codes if you JUST disable 1235  **STEP 1**: Since you now have your ROM saved thanks to the steps above you will have a lot less work this time around to disable the DTC's. Go into your "Modified XML" Folder.   **STEP 2**: Now open evo10base.xml file with Notepad. Scroll down to "MISC" section in that XML file. You will enter the proper code from above UNDER the MODE 23 code that you entered previously.   It will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHevo10basedisableDTCcode.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHevo10basedisableDTCcode.jpg) |   **STEP 3**: Now open 526800xx.xml file with Notepad. Scroll down to "MISC" section in that XML file. You will enter the proper code from above UNDER the MODE 23 code that you entered previously.   It will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASH52680020disableDTCcode.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASH52680020disableDTCcode.jpg) |   **STEP 4**: Go to FILE then SAVE AS.... remember to save both files as the name plus do not forget the ".XML" at the end of the name.   **STEP 5**: Copy and Replace these modified files into you "EVO" folder.   **STEP 6**: Now open ECUFLASH and load up your map. Now you will go and scroll down to MISC section and it will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHDTCTABLES.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHDTCTABLES.jpg) |   **STEP 7**: Now you will open all of the tables and they will look like this below: Remember to do direct value changes press "=" Then if it says something like "0x1111 -> 0x2222" It means that when you enter "0x2222" It means it will disable the DTC. This is just a example do not enter that sample. But look at the table name to see what you have to change it to.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHDTCTABLESOPEN.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHDTCTABLESOPEN.jpg) |   **STEP 8**: Once they are edited it will look like this. All the codes are disabled at least in this example.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHDTCTABLESEDITED.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHDTCTABLESEDITED.jpg) |   **STEP 9**: NOW go to FILE and SAVE AS save it as whatever name you want.   **STEP 10**: Now go to your car and hook up all the dongles and cables. Open ECUFLASH and FLASH the ECU with all the DTC's disabled. Remember to have the IGNITION in ON position. Then once it is FLASHED turn OFF the IGNITION.   This ICON on top will light up in RED once the ECU is ready to be written to:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHFLASHTOECU.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHFLASHTOECU.jpg) |   CONGRATS!!! NOW you have all DTC's DISABLED!!!  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-05-2009 at 05:01 PM.* |
| Clipse3GT is offline | [Reply With QuoteQuick reply to this message](http://www.evoxforums.com/forums/newreply.php?do=newreply&p=287549) |

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| Old11-05-2009, 05:05 AM | | #**[4](http://www.evoxforums.com/forums/showpost.php?p=287595&postcount=4" \t "new)** |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | | **ENABLING MAF SCALING**      THANKS TO TEPHRA & XPRImnT  52680015.xml  Code:  <table name="MAF Compensation" address="5753a">  <table name="X" address="615ea"/>  </table>  <table name="MAF Compensation #2" address="5758a">  <table name="X" address="6163a"/>  </table>  <table name="MAF Compensation #3" address="575da">  <table name="X" address="6168a"/>  </table>  Evo10base.xml  Code:  <scaling name="MAFVoltScaling" units="units" toexpr="x\*5/1024" frexpr="x\*1024/5" format="%.3f" min="0" max="5" inc="1" storagetype="uint16" endian="big"/>  <table name="MAF Compensation" category="Fuel" type="2D" scaling="AirFlow16">  <table name="X" type="X Axis" elements="40" scaling="MAFVoltScaling"/>  </table>  <table name="MAF Compensation #2" category="Fuel" type="2D" scaling="AirFlow16">  <table name="X" type="X Axis" elements="40" scaling="MAFVoltScaling"/>  </table>  <table name="MAF Compensation #3" category="Fuel" type="2D" scaling="AirFlow16">  <table name="X" type="X Axis" elements="50" scaling="MAFVoltScaling"/>  </table>  **THIS VERSION SHOULD WORK FOR ALMOST ALL ROM's ACCORDING TO TEPHRA THIS IS HIS CODE**  **USE THIS AT YOUR OWN RISK!!! I REPEAT THIS DISCLAIMER!!!**  5268xxxx.xml  Code:  <table name="MAF Scaling Part 1" address="5753a">  <table name="Volts" address="615ea"/>  </table>  <table name="MAF Scaling Part 2" address="57592">  <table name="Volts" address="61642"/>  </table>  <table name="MAF Scaling Part 3" address="575ea">  <table name="Volts" address="6169a"/>  </table>  evo10base.xml  Code:  <scaling name="MAFVoltScaling" units="units" toexpr="x\*5/1024" frexpr="x\*1024/5" format="%.3f" min="0" max="5" inc="1" storagetype="uint16" endian="big"/>  <table name="MAF Compensation" category="Fuel" type="2D" scaling="AirFlow16">  <table name="X" type="X Axis" elements="40" scaling="MAFVoltScaling"/>  </table>  <table name="MAF Compensation #2" category="Fuel" type="2D" scaling="AirFlow16">  <table name="X" type="X Axis" elements="40" scaling="MAFVoltScaling"/>  </table>  <table name="MAF Compensation #3" category="Fuel" type="2D" scaling="AirFlow16">  <table name="X" type="X Axis" elements="50" scaling="MAFVoltScaling"/>  </table>  **STEP 1**: NOW go to your MODIFIED XML folder and open the files in here with NOTEPAD.  **STEP 2**: OPEN evo10base.xml with Notepad. And now scroll down to the "[FUEL CONTROL](http://rover.ebay.com/rover/1/711-53200-19255-0/1?toolid=10029&campid=CAMPAIGNID&customid=CUSTOMID&catId=6000&type=2&ext=221272049603&item=221272049603)" section NOT "MISC". Scroll to the bottom of all the tables and add the proper code to the end of the XML document. Before the "TURBO CONTROL" section begins.  It will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHMAFSCALEEVO10BASE.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHMAFSCALEEVO10BASE.jpg) |   **STEP 3**: OPEN 526800XX.xml with Notepad. And now scroll down to the "[FUEL CONTROL](http://rover.ebay.com/rover/1/711-53200-19255-0/1?toolid=10029&campid=CAMPAIGNID&customid=CUSTOMID&catId=6000&type=2&ext=221272049603&item=221272049603)" section NOT "MISC". Scroll to the bottom of all the tables and add the proper code to the end of the XML document. Before the "TURBO CONTROL" section begins.  It will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHMAFSCALE526800xx.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHMAFSCALE526800xx.jpg) |   **STEP 4**: Open ECUFLASH and open your previous map that you have saved. Now scroll down to the [FUEL CONTROL](http://rover.ebay.com/rover/1/711-53200-19255-0/1?toolid=10029&campid=CAMPAIGNID&customid=CUSTOMID&catId=6000&type=2&ext=221272049603&item=221272049603) section it will now look like this if your did it correctly.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHMAFSCALETABLE.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHMAFSCALETABLE.jpg) |   **STEP 5**: Now open each table and you are able to modify the values   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHMAFSCALEGRAPH.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHMAFSCALEGRAPH.jpg) |   **STEP 6**: Now go to FILE and SAVE AS whatever name you want to name it. Now go to the car, TURN car to ON position. With everything connected. You will now FLASH your car with the new ROM file.  This ICON on top will light up in RED once the ECU is ready to be written to:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHFLASHTOECU.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHFLASHTOECU.jpg) |   CONGRATS!!! Now you can EDIT the MAF tables... http://www.evoxforums.com/forums/images/smilies/smile.gif.pagespeed.ce.xM_f3u022S.gif  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-05-2009 at 05:02 PM.* |
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| Old11-05-2009, 05:47 AM | #**[5](http://www.evoxforums.com/forums/showpost.php?p=287611&postcount=5" \t "new)** | |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | **Percent Low Temp Timing Trim vs Coolant Temp  Helps Remove the COLD START Hesitation if properly adjusted!!!**  evo10base.xml:  Code:  <scaling name="Percent255" units="%" toexpr="100\*x/255" frexpr="255\*x/100" format="%.0f" min="0" max="100" inc="1" storagetype="uint8" endian="big"/>  <table name="Percent Low Temp Timing Trim vs Coolant Temp" category="Timing" type="2D" level="2" scaling="Percent255">  <table name="Engine Temp" type="Y Axis" elements="8" scaling="Temp"/>  </table>  53040010.xml:  Code:  <table name="Percent Low Temp Timing Trim vs Coolant Temp" address="56174">  <table name="Engine Temp" address="6111c"/>  </table>  ========================================================================  evo10base.xml:  Code:  <scaling name="Percent255" units="%" toexpr="100\*x/255" frexpr="255\*x/100" format="%.0f" min="0" max="100" inc="1" storagetype="uint8" endian="big"/>  <table name="Percent Low Temp Timing Trim vs Coolant Temp" category="Timing" type="2D" level="2" scaling="Percent255">  <table name="Engine Temp" type="Y Axis" elements="8" scaling="Temp"/>  </table>  52680015:  Code:  <table name="Percent Low Temp Timing Trim vs Coolant Temp" address="56170">  <table name="Engine Temp" address="610e0"/>  </table>  **STEP 1**: NOW go to your MODIFIED XML folder and open the files in here with NOTEPAD.  **STEP 2**: OPEN evo10base.xml with Notepad. And now scroll down to the "TIMING" section NOT "MISC or [FUEL CONTROL](http://rover.ebay.com/rover/1/711-53200-19255-0/1?toolid=10029&campid=CAMPAIGNID&customid=CUSTOMID&catId=6000&type=2&ext=221272049603&item=221272049603)". Scroll to the bottom of all the tables and add the proper code to the end of the XML document.   It will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/LOWTEMPTIMINGevo10base.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FLOWTEMPTIMINGevo10base.jpg) |   **STEP 3**: OPEN 526XXXXX.xml with Notepad. And now scroll down to the "TIMING" section NOT "MISC or [FUEL CONTROL](http://rover.ebay.com/rover/1/711-53200-19255-0/1?toolid=10029&campid=CAMPAIGNID&customid=CUSTOMID&catId=6000&type=2&ext=221272049603&item=221272049603)". Scroll to the bottom of all the tables and add the proper code to the end of the XML document.  It will look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/LOWTEMPTIMING526800xx.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FLOWTEMPTIMING526800xx.jpg) |   **STEP 4**: Open ECUFLASH and open your previous map that you have saved. Now scroll down to the FUEL CONTROL section it will now look like this if your did it correctly.  Looks like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/LOWTEMPTIMINGTABLE.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FLOWTEMPTIMINGTABLE.jpg) |   **STEP 5**: Now open each table and you are able to modify the values   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/LOWTEMPTIMINGGRAPH.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FLOWTEMPTIMINGGRAPH.jpg) |   **STEP 6**: Now go to FILE and SAVE AS whatever name you want to name it. Now go to the car, TURN car to ON position. With everything connected. You will now FLASH your car with the new ROM file.  This ICON on top will light up in RED once the ECU is ready to be written to:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/ECUFLASHFLASHTOECU.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2FECUFLASHFLASHTOECU.jpg) |   Congrats now you can adjust how aggressive warm up timing will be when engine is very cold.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-05-2009 at 05:02 PM.* | |
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| Old11-05-2009, 06:21 AM | #**[6](http://www.evoxforums.com/forums/showpost.php?p=287623&postcount=6" \t "new)** | |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | **[STOPPING FUEL TRIMS FROM AFFECTING WOT THROTTLE!!!](http://www.evoxforums.com/forums/showthread.php?t=22153" \t "_blank)**  Quote:   |  | | --- | | Originally Posted by **TEPHRA**  *Just a quick announcement to say I think I have worked out how to disable the trims affecting WOT fueling.  Thanks to Acamus for some seriously hard core disassembling http://images.ibsrv.net/ibsrv/res/src:forums.evolutionm.net/get/images/smilies/smile.gif  Ok we all know how the Fuel Trims work, basically MAFHz bins, so Low/Medium/High  Usually High isn't used, here is why:    Left is stock, Right is my modified one  So the High FT won't be used unless the MAFHz goes above 1593.75, which won't really happen on stock turbo.  So I have modified the High bin so it's lower. And thus gets used.  Now here's the best part, because of how the STFT works, the High FT should really NEVER get populated with anything OTHER than 0%.  I have done a log and you can see the High FT being used in the fueling calculations, and you can also see it being set to 0%, so now I don't have my Cruise (Med) Trim affecting WOT.*  *Code:*  *<scaling name="LT Trim Hz" units="Hz" toexpr="x\*6.25" frexpr="x/6.25" format="%.2f" min="0" max="1593.75" inc="6.25" storagetype="uint8" endian="big"/>*  *<table name="Closed Loop - LT Trim Control" category="Fuel" address="5557f" type="2D" level="2" scaling="LT Trim Hz">*  *<table name="Conditions" type="Static Y Axis" elements="4">*  *<data>Low -> Mid</data>*  *<data>Mid -> Low</data>*  *<data>Mid -> High</data>*  *<data>High -> Mid</data>*  *</table>*  *</table>*  *That's for 53040010, but also should work for 526800XX - If your values for above don't look very similar to mine then something's wrong.* ***DISCLAIMER: DO NOT USE THIS UNLESS YOU HAVE A WIDEBAND AND LOG YOUR ECU*** |   Please insert the CODE into your evo10base & 526800xx XML files.  Everyone should have a hand of how to do this by now from my previous posts.  Adjust everything accordingly.   This is how the STOCK 52680020.ROM from a 2008 GSR looks.   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://img.photobucket.com/albums/v335/Clipse3GT/NOLTFT.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FNOLTFT.jpg) |   Quote:   |  | | --- | | Originally Posted by **ME**  *Let's say your LTFT look like this:  -8% LTFT cruise +2% LTFT idle (does not matter in this example but there are two LTFT's)  when your car will enter WOT or your throttle is open more than really 80%.  then your car will inject -8% fuel during WOT, so if your AFR map is set for   11.5 AFR @ 280 LOAD & 4000RPM. Then your car will really try to get this AFR.  11.5 \* 0.08 = 0.92 + 11.5 = 12.42 AFR  So now your car will be at 12.42 AFR. Which is a whole AFR point. Meaning you MIGHT/WILL get knock at WOT higher rpms and might cause detonation.  This code will disable the LTFT Cruise/MID from affecting your WOT. So if it is set at 11.5 it will stay 11.5.* |   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-16-2009 at 08:00 PM.* | |
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| Old11-16-2009, 06:52 PM | | #**[7](http://www.evoxforums.com/forums/showpost.php?p=296725&postcount=7" \t "new)** |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | | **WHEN CREATING A BACK UP FOLDER IN YOUR OPENECU FOLDER. PLEASE CREATE THE BACK UP FOLDER IN ANOTHER LOCATION LIKE THE DESKTOP.   OTHERWISE, ECUFLASH WILL USE THE BACKUP FILES AND NOT THE MODIFIED VERSIONS.**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 11-30-2009 at 07:34 PM.* |
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| Old11-30-2009, 07:33 PM | #**[8](http://www.evoxforums.com/forums/showpost.php?p=306607&postcount=8" \t "new)** |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | **Here is how it will look when you log LTFT HIGH. This will show you where you are stopping your LTFT cruise from affecting your WOT operations.   FROM: 52680020**   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   **http://img.photobucket.com/albums/v335/Clipse3GT/LTFTHIGH.jpg**   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FLTFTHIGH.jpg) |   **How to log MAF Hz.**   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   **http://img.photobucket.com/albums/v335/Clipse3GT/MAFHz.jpg**   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FMAFHz.jpg) |   **Notice that LTFT HIGH goes to 0%**   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   **http://img.photobucket.com/albums/v335/Clipse3GT/LTFTHIGHGRAPH.jpg**   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FLTFTHIGHGRAPH.jpg) |   **Now with MAF Hz logged/**   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   **http://img.photobucket.com/albums/v335/Clipse3GT/LTFTHIGHGRAPHwHz.jpg**   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FLTFTHIGHGRAPHwHz.jpg) |   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 12-01-2009 at 08:21 PM.* |
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| Old12-01-2009, 08:16 PM | #**[9](http://www.evoxforums.com/forums/showpost.php?p=307534&postcount=9" \t "new)** |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | **How to DISABLE DTC P139/P140  1.) OPEN ECUFLASH  2.) OPEN your ROM/HEX File 3.) Right Click "MISC"  4.) SELECT "ADD NEW MAP" 5.) SELECT "52680015" 6.) FILL out form as show in the picture. 7.) Change from 0x1 to 0x0 to DISABLE DTC's 8.) ENJOY NO MORE TESTPIPE CELL's**   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   **http://img.photobucket.com/albums/v335/Clipse3GT/ECUFLASH/disablep139_p140.jpg**   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fimg.photobucket.com%2Falbums%2Fv335%2FClipse3GT%2FECUFLASH%2Fdisablep139_p140.jpg) |   Code:  <table name="DTC P0139/P0140 Disable 0x1 -> 0x0" category="Misc" address="503b2" type="1D" scaling="Hex8"/>  **CURRENTLY ONLY WORKS ON ROM's 52680015 -> 52680020 & 526900XX  THANKS TO TEPHRA**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 01-27-2010 at 02:35 AM.* |
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| Old01-25-2010, 06:39 PM | | #**[10](http://www.evoxforums.com/forums/showpost.php?p=347870&postcount=10" \t "new)** | |
| [Clipse3GT](http://www.evoxforums.com/forums/member.php?u=5027)  [Gearhead]  [Clipse3GT's Avatar](http://www.evoxforums.com/forums/member.php?u=5027)    Join Date: May 2009  iTrader: ([**100**](http://www.evoxforums.com/forums/itrader.php?u=5027))  Location: Cleveland, OH  Posts: 6,062 | | **HOW TO: CHANGE 2008 GSR & MR Timing Limits** The Upper Bound Ignition Timing table for both GSR and MR look like this:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://norcalmotorsports.org/users/bryan/mods/EVO/tech/EVO10_tables/120809/UpperBoundTiming.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fnorcalmotorsports.org%2Fusers%2Fbryan%2Fmods%2FEVO%2Ftech%2FEVO10_tables%2F120809%2FUpperBoundTiming.jpg) |   The Lower Bound Ignition Timing table for the GSR is on top, MR on bottom:   |  |  | | --- | --- | | http://www.evoxforums.com/forums/images/statusicon/wol_error.gif | This image has been resized. Click this bar to view the full image. |   http://norcalmotorsports.org/users/bryan/mods/EVO/tech/EVO10_tables/120809/LowerBoundTiming.jpg   |  |  | | --- | --- | |  | [Report this image](http://abuse.verticalscope.com/report/index.php?referrer=http%3A%2F%2Fwww.evoxforums.com%2Fforums%2Fforums%2Fshowthread.php%3Ft%3D22140&imageurl=http%3A%2F%2Fnorcalmotorsports.org%2Fusers%2Fbryan%2Fmods%2FEVO%2Ftech%2FEVO10_tables%2F120809%2FLowerBoundTiming.jpg) |   As you can see, very handy table to have with the MR as 14-17\* from 6500 to 8000 can be a bit much on 91 with a larger turbo.  ADD TO TIMING CATEGORY IN YOUR ROM!!!  Code:  <scaling name="Min timing" units="degrees" toexpr="x-20" frexpr="x+20" format="%.0f" min="-61" max="61" inc="1" storagetype="int8" endian="big"/>  <table name="Lower Bound Ignition Timing" category="Timing" address="50793" type="3D" level="2" swapxy="true" scaling="Min timing">  <table name="Load" address="61348" type="X Axis" elements="21" scaling="Load"/>  <table name="RPM" address="612fc" type="Y Axis" elements="16" scaling="RPM"/>  </table>  <table name="Upper Bound Ignition Timing" category="Timing" address="6078d" type="3D" level="2" swapxy="true" scaling="Timing">  <table name="Load" address="60f78" type="X Axis" elements="22" scaling="Load"/>  <table name="RPM" address="60f42" type="Y Axis" elements="23" scaling="RPM"/>  </table>  THANKS TO GST MOTORSPORTS & ANYONE ELSE INCLUDED IN THE DEVELOPMENT  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ***List:*** ***-Clipse3GT Tune -SC Built 2.0 -FP RED -COBB Hardpipes, SFI, Sway Bars -Cosworth MX1 -MDR Inlet -MAP P&P INT. & Full Race EXT.-ETS 4" FMIC -AMS DP, Fuel Rail, MM -T1R Exhaust -MXP TP -FORGE WGA -APS TV BOV -xMR Catch Cans -Walboro 255 -Fuelab FPR -FIC 1100cc -GM 3 Port -Techna-Fit SS Lines -TWM SS/Cage Shifter -WORKS Bushings -Ohlin DFV Coilovers -Whiteline Kit -VEI Gauges -Rally Armor -PERRIN Ant.*** *-****Advan RS***  *Last edited by Clipse3GT; 01-25-2010 at 06:53 PM.* | |
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