

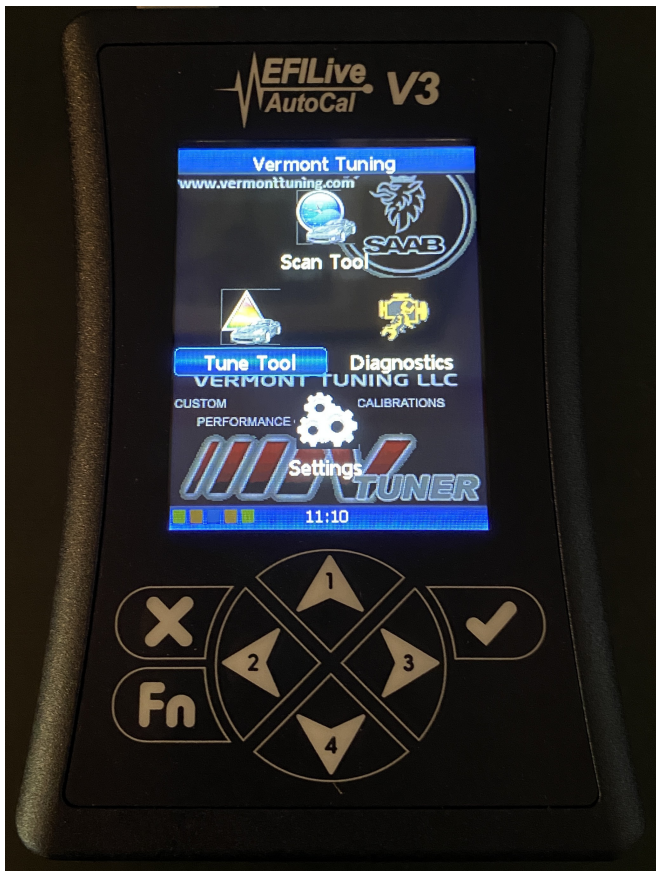


VERMONT TUNING LLC
WWW.VERMONTTUNING.COM
CUSTOM PERFORMANCE CALIBRATIONS

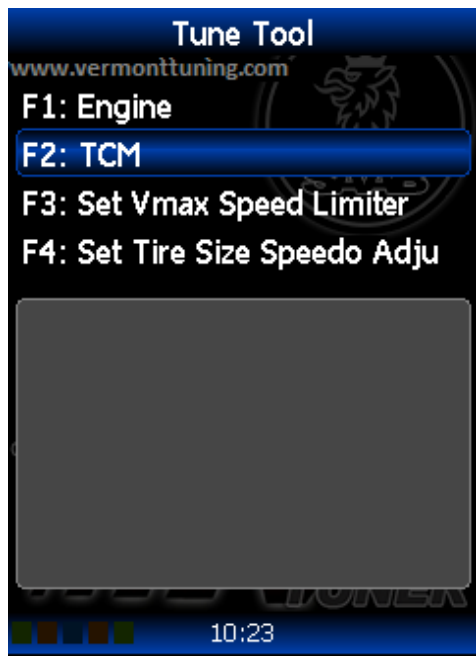
BRIAN BLAIR
Ph: (802) 393-7305
email: brian@vermonttuning.com
124 LaHue Farm Road
Sheldon, VT 05483

Read your stock file – With the car “Off” plug the tuner into your OBD2 diagnostic port (use the cable included). The OBD2 diagnostic port is located below the steering wheel. Turn the key to the “ON” position before proceeding.

Press the ✓ button to accept the End User License Agreement.
Select (2) Tune Tool button and press the ✓ button



Select F2: TCM and press the ✓ button



Select F1:Read AF40B-6 TCM and press the ✓ button.



Press any key to begin reading the file. Note the TAF40_6_002.vtz file name that was created. This is the file that you will need to transfer to me via email so I can prepare your new performance transmission calibration.

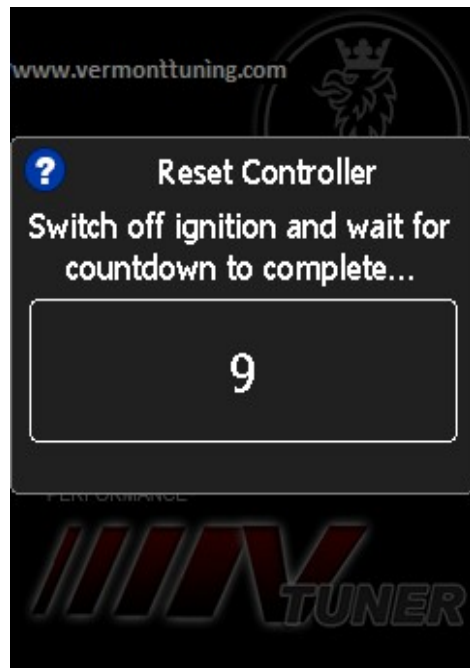
```
Script starting...
VIN: YS3FM42R181144480
OS: 55571143
BB: 55560155
Serial: 61870828121091
Unlocking...
Unlocked OK
/EFI/Drive/Tune/Read/TAF40_6_002.vtz
created for writing.
Preparing to read TCM
Press any key...
```

The display will show a progress bar and will prompt you to turn the key to the “**Off**” position when it is finished. Press any key and it will run a count-down timer to allow the computer in the car to reset before you start the engine.

```
Script starting...
VIN: YS3FM42R181144480
OS: 55571143
BB: 55560155
Serial: 61870828121091
Unlocking...
Unlocked OK
/EFI/Drive/Tune/Read/TAF40_6_002.vtz
created for writing.
Preparing to read TCM
Press any key...
Packing BB: 55560155
Packing Serial: 61870828121091
Packing VIN YS3FM42R181144480
Reading...
```



```
BB: 55560155
Serial: 61870828121091
Unlocking...
Unlocked OK
/EFI/Live/Tune/Read/TAF40_6_002.vtz
created for writing.
Preparing to read TCM
Press any key...
Packing BB: 55560155
Packing Serial: 61870828121091
Packing VIN YS3FM42R181144480
Reading...
Read completed successfully.
File saved as
/EFI/Live/Tune/Read/TAF40_6_002.vtz
Turn ignition OFF Now
then press any key to continue..
Reading TCM
complete.
Press any key to return to menu.
```

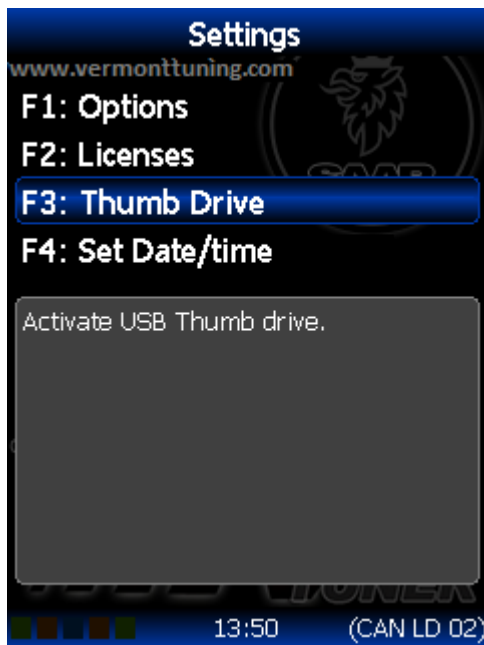


Unplug the tuner from the car and connect it to your computer using the USB cable.

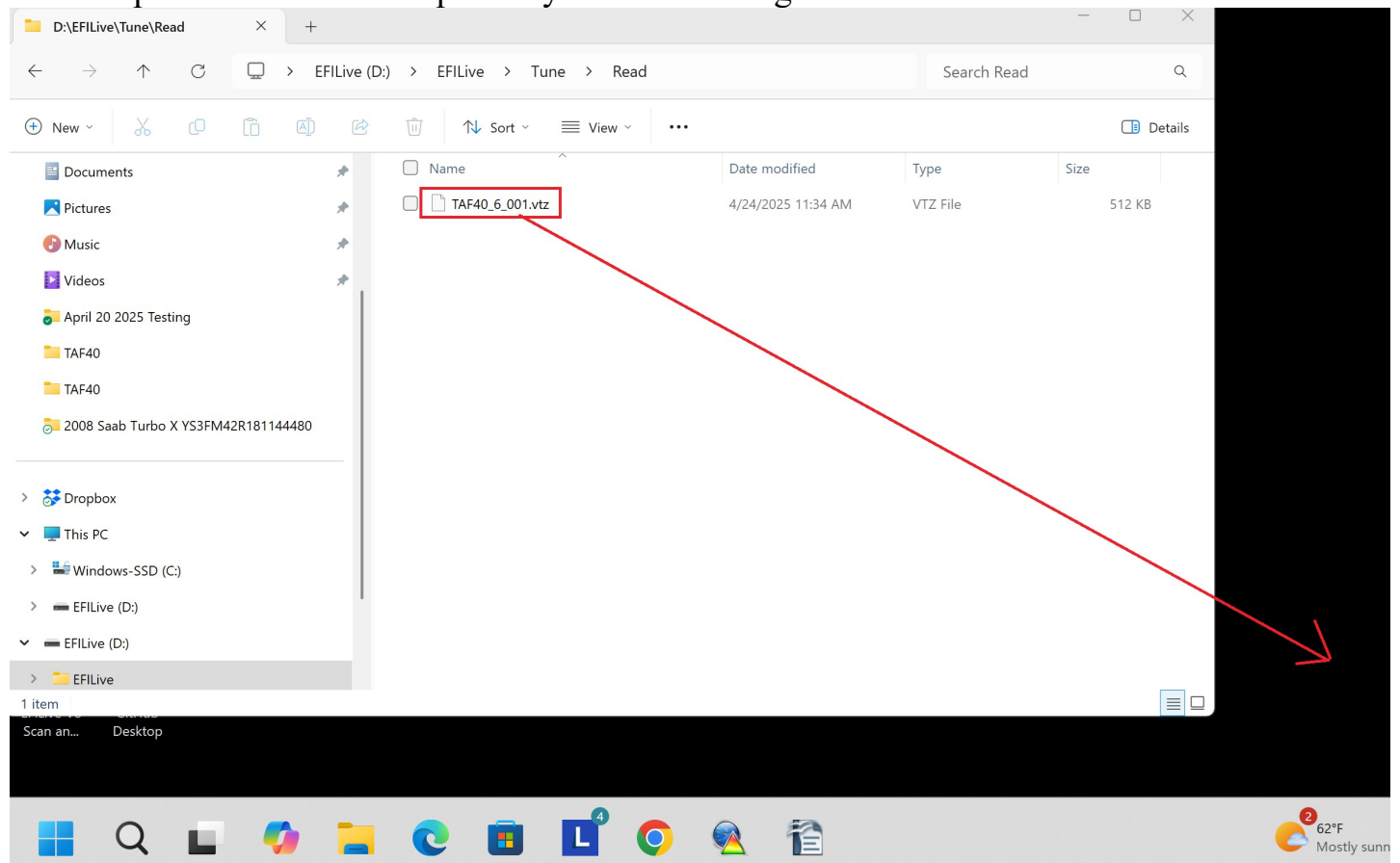
Select “Settings” from the handheld menu options



Activate the thumb drive option on the handheld

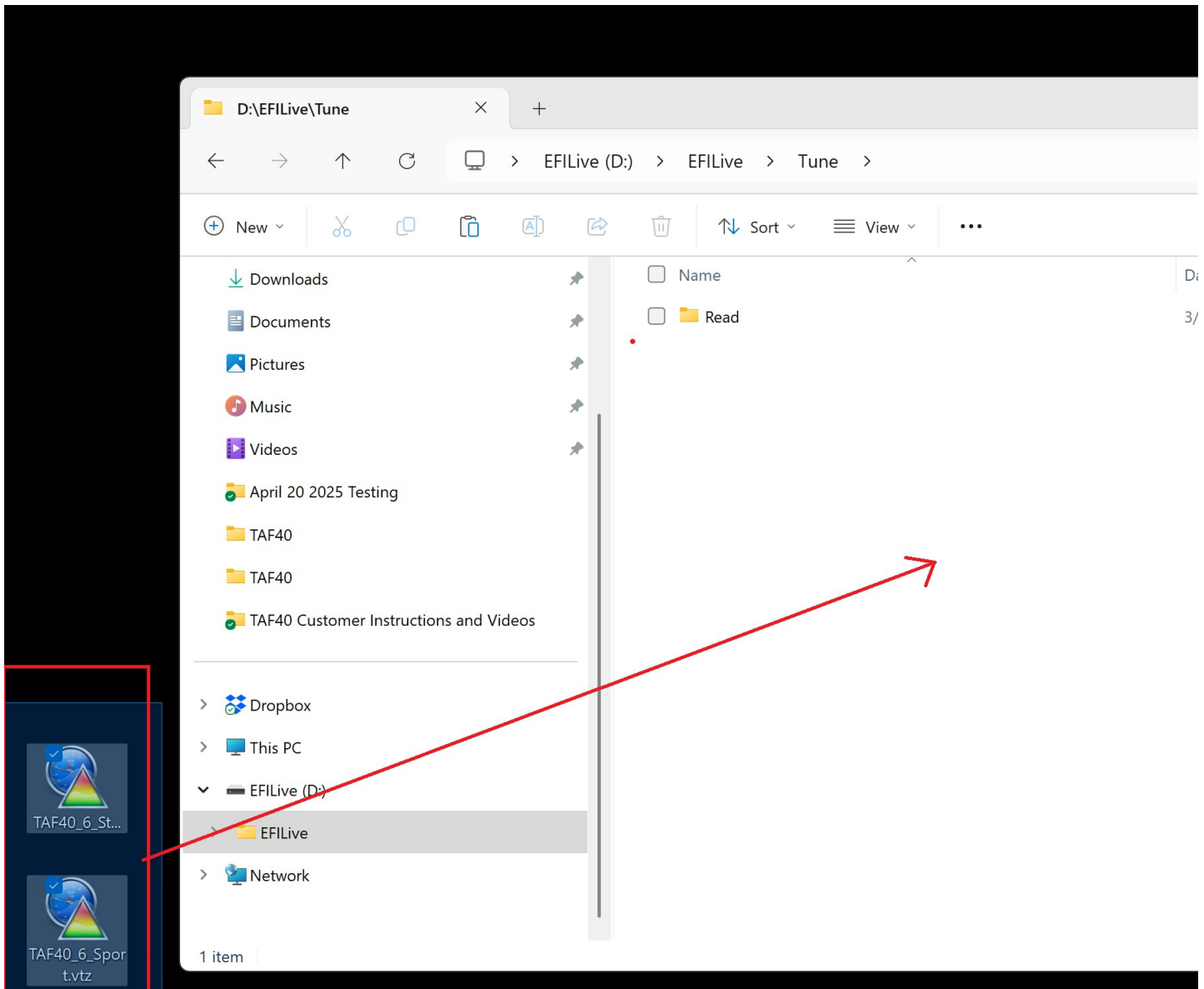


A file explorer window will open on your PC showing an EFILive file folder:



Double mouse click on this folder and then navigate to the Tune sub-folder, double mouse click on the Tune folder and then double mouse click on the Read sub-folder. Your stock TCM calibration read file (ie, TAF40B_6_001.vtz) will be located in this folder. Drag/drop this file to your windows Desktop, then attach the file to an email and send it to me at brian@vermonttuning.com

I will email to you the new tune files within 24hrs. Once you receive the new files, open EFILive Explorer again and copy the new files to the Tune folder directory:



Unplug the handheld from your computer and go to your car.

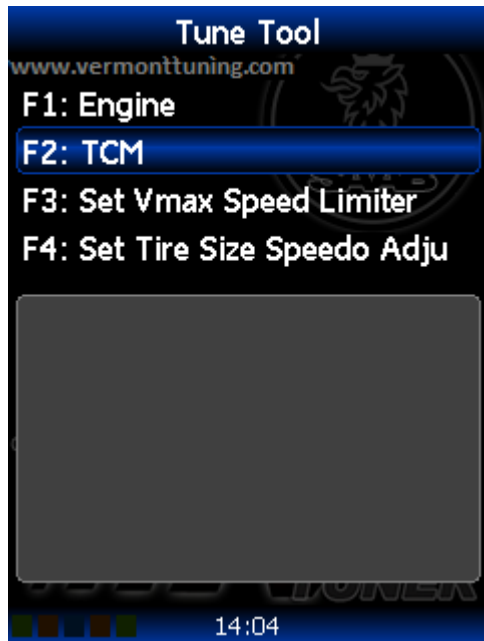
To flash a new calibration file – With the car “Off” plug the tuner into your OBD2 diagnostic port. Turn the key to the “**ON**” position but **do not** start the car.

Press the ✓ button to accept the End User License Agreement.

Select the (2) Tune Tool button and press the ✓ button



Select F2: TCM and press the ✓ button



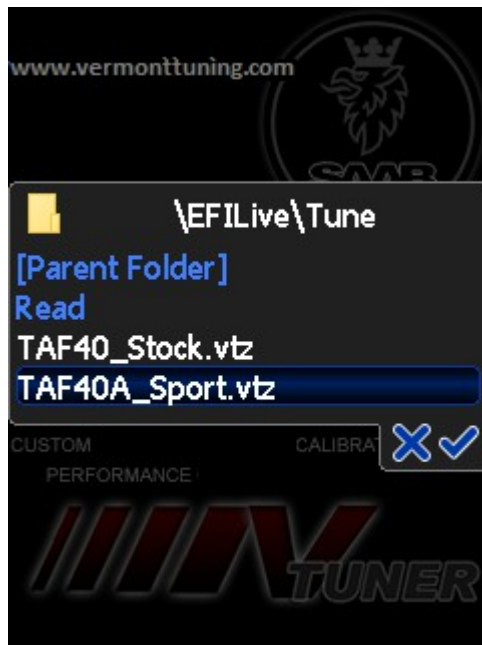
Select F2: Program AF40-6 TCM and press the ✓ button



Select F1: Program AF40-6 TCM and press the ✓ button



Your installed calibrations will be listed: Select the file you wish to install, turn the key on the car to the ON position but do not start the engine, then press the ✓ button to begin the flash.



Press any key to start the flash...

```
File
\EFILive\Tune\TAF40A_Sport.vtz
opened.
file bootblock = 55560155
TAF40 Cal-Flash
VIN: YS3FM42R181144480
OS: 55571143
BB: 55560155
Serial: 61870828121091
Calid: 55571143
VIN: YS3FM42R181144480 is authorized
for flashing.
Press any key...
```

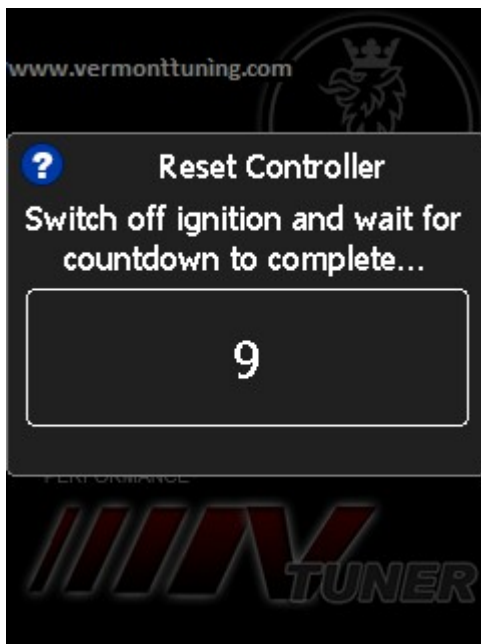
The flash will take approximately 1 minute to complete:

```
opened.  
file bootblock = 55560155  
TAF40 Cal-Flash  
VIN: YS3FM42R181144480  
OS: 55571143  
BB: 55560155  
Serial: 61870828121091  
Calid: 55571143  
VIN: YS3FM42R181144480 is authorized  
for flashing.  
Press any key...  
File bootblock 55560155 is compatible  
with controller's bootblock 55560155.  
Unlocking...  
Unlocked OK  
VIN License SUCCEEDED.  
Flashing...  
OS: 55571143
```



```
opened.  
file bootblock = 55560155  
TAF40 Cal-Flash  
VIN: YS3FM42R181144480  
OS: 55571143  
BB: 55560155  
Serial: 61870828121091  
Calid: 55571143  
VIN: YS3FM42R181144480 is authorized  
for flashing.  
Press any key...  
File bootblock 55560155 is compatible  
with controller's bootblock 55560155.  
Unlocking...  
Unlocked OK  
VIN License SUCCEEDED.  
Flashing...  
OS: 55571143  
Turn OFF ignition now, then press any  
key to continue.
```

Wait for the installation to complete – the handheld will prompt you to turn off the ignition when it is done. Press the ✓ button and it will count-down a timer to allow it time to reset the ECM.



```
VIN: YS3FM42R181144480
OS: 55571143
BB: 55560155
Serial: 61870828121091
Calid: 55571143
VIN: YS3FM42R181144480 is authorized
for flashing.
Press any key...
File bootblock 55560155 is compatible
with controller's bootblock 55560155.
Unlocking...
Unlocked OK
VIN License SUCCEEDED.
Flashing...
OS: 55571143
Turn OFF ignition now, then press any
key to continue.
Flash completed.
Press any key to
return to menu.
```

Press any key and it will return you to the last menu.

Remove the ignition key. That is it, your transmission is now tuned!

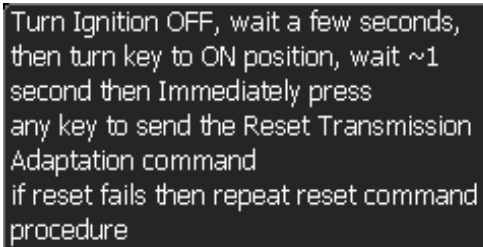
Before you drive the car, if this is the first time you have installed the performance transmission tune then you need to reset the transmission adaptation values. This is a separate function you can select from the handheld menu options. Press the X button to navigate up one menu level from here:



Now insert the key into the ignition and turn the key to the ON position, but do not start the car. Once the key is in the ON position you can select the Reset AF40-6 Adaptation option and then press the ✓ button:

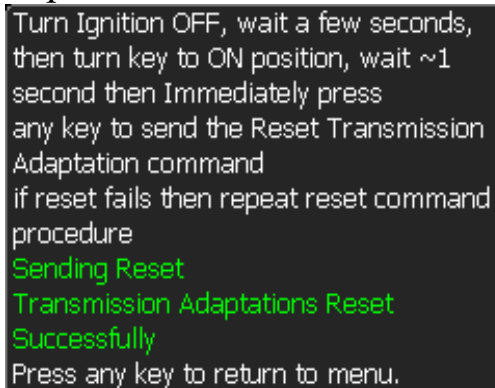


Follow the on-screen instructions:

A handheld device screen with a dark background and white text. The text provides instructions for resetting the transmission adaptation command.

Turn Ignition OFF, wait a few seconds,
then turn key to ON position, wait ~1
second then Immediately press
any key to send the Reset Transmission
Adaptation command
if reset fails then repeat reset command
procedure

Repeat the procedure if necessary, the timing is critical to successfully reset the adaptations. The handheld will tell you if the command was sent successfully:

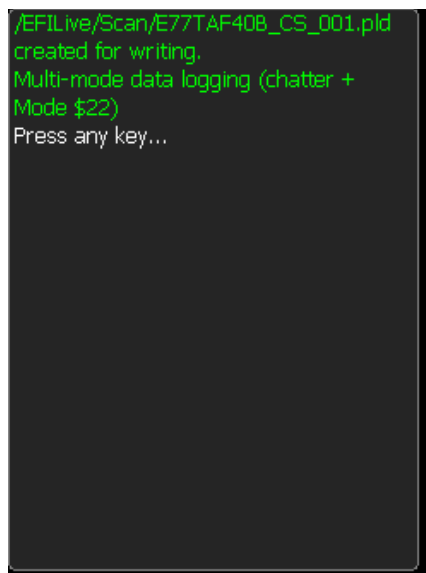
A handheld device screen with a dark background and white text. The text repeats the reset instructions and then displays a green confirmation message.

Turn Ignition OFF, wait a few seconds,
then turn key to ON position, wait ~1
second then Immediately press
any key to send the Reset Transmission
Adaptation command
if reset fails then repeat reset command
procedure
Sending Reset
Transmission Adaptations Reset
Successfully
Press any key to return to menu.

That's it, your now ready to test drive the car. Just unplug the tuner and enjoy the new transmission performance!

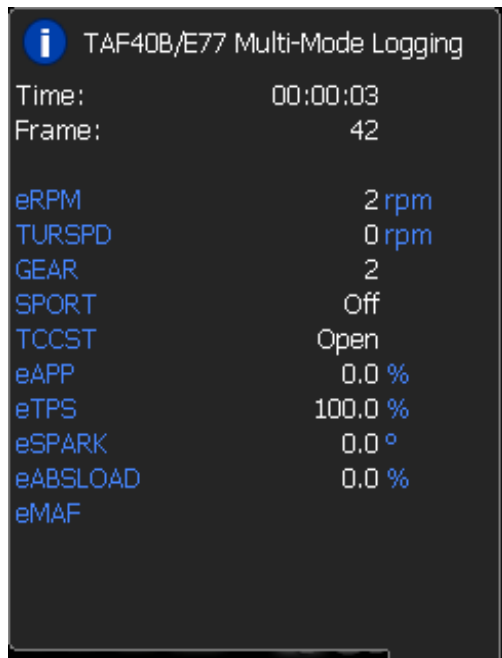
Data Logging:

You can start TAF40 transmission data log by navigating through the menu options Scan Tool --> Record TAF40 Data Log.



Press the ✓ button to begin the data log.

Once the log begins it will display a timer indicating the elapsed time.



You must exit/save the log before you disconnect the handheld or the data will be lost. Just press the X button while the timer is running to exit/save the log.

The screenshot shows a handheld device screen with a dark background. The text is in a light green/cyan color. It reads: '/EFILive/Scan/E77TAF40B_CS_001.pld created for writing.', 'Multi-mode data logging (chatter + Mode \$22)', 'Press any key...', 'Data Log completed successfully.', 'File saved as', '/EFILive/Scan/E77TAF40B_CS_001.pld', and 'then press any key to continue..'. The text is arranged in a vertical list.

I like to see 5-10 minutes of mixed driving with some hard (foot to the floor) accelerations through at least 1st and 2nd gear if possible. To transfer the logs from the handheld to your computer, activate the thumb drive option while connected to your computer and then navigate to the “Scan” folder. Your data logs will appear under this folder with file names like E55TAF40_001.pld. Just send me the data log file for review and I can evaluate your transmission performance. These files will capture engine data such as the engine rpm, engine power and engine torque in addition to transmission parameters like turbine speed, lock-up converter slip, TCM torque request, wheel speed, gear selection, lock-up converter status, shift direction and strategies.

Cheers,

Brian Blair
Vermont Tuning LLC