

EFILive USB driver Error Code





Error	Description	Cause	Action
\$0001	USB internal driver error (invalid handle)	Internal	Contact EFILive if this error persists.
\$0002	USB device is not connected	FlashScan or AutoCal is not connected to the PC's USB system.	Connect FlashScan or AutoCal to the PC using a USB cable.
\$0003	USB device is not open	Internal	Contact EFILive if this error persists.
\$0004	USB I/O error	Internal	Contact EFILive if this error persists.
\$0005	USB insufficient resources	Internal	Contact EFILive if this error persists.
\$0006	USB invalid parameter	Internal	Contact EFILive if this error persists.
\$0007	USB invalid baud rate	Internal	Contact EFILive if this error persists.
\$0008	USB device not open for erase	Internal	Contact EFILive if this error persists.
\$0009	USB device not open for write	Internal	Contact EFILive if this error persists.
\$000A	USB write error	Internal	Contact EFILive if this error persists.
\$000B	USB EEPROM read error	Internal	Contact EFILive if this error persists.
\$000C	USB EEPROM write error	Internal	Contact EFILive if this error persists.
\$000D	USB EEPROM erase error	Internal	Contact EFILive if this error persists.
\$000E	USB EEPROM not present	Internal	Contact EFILive if this error persists.
\$000F	USB EEPROM not programmed	Internal	Contact EFILive if this error persists.
\$0010	USB invalid argument	Internal	Contact EFILive if this error persists.
\$0011	USB device not supported	Internal	Contact EFILive if this error persists.
\$0012	USB Unknown error	Internal	Contact EFILive if this error persists.




EFILive_Hapi Error Codes

Error	Description	Cause	Action
\$0020	EFILive USB driver DLL not loaded	Internal	Contact EFILive if this error persists.
\$0021	EFILive USB driver DLL function not defined in loaded DLL	Internal	Contact EFILive if this error persists.
\$0022	EFILive USB driver request timed out	EFILive_Hapi is busy serving another program.	Close down other programs that may be using FlashScan or AutoCal.
\$0023	File not found	When attempting to reprogram the boot block or firmware in FlashScan or AutoCal, the file containing the new boot block or firmware could not be opened.	Check that the boot block or firmware files exist and that EFILive_Hapi has permission to read them. The files should be located in \Program Files\EFILive\V8\Firmware.
\$0024	EFILive_Hapi is not running	A program attempting to communicate with FlashScan or AutoCal tried to start EFILive_Hapi but could not.	Make sure the EFILive_Hapi.exe file exists in \Program Files\EFILive\V8, and that it can be started by double clicking on it.
\$0025	Can't get semaphore for control of EFILive_Hapi	Internal	Contact EFILive if this error persists.
\$0026	Request was ignored - i.e. reply cmd<>send cmd	An unexpected reply was received from FlashScan or AutoCal.	Retry the operation that failed. Contact EFILive if this error persists.
\$0027	Device is not enabled	Internal	Contact EFILive if this error persists.
\$0028	Device is currently being programmed	A program has attempted to communicate with AutoCal or FlashScan while it is being updated with new boot block or firmware.	Wait until the reprogramming has completed and try again.
\$0029	Device is NOT currently being programmed	Internal	Contact EFILive if this error persists.
\$002A	Can't create semaphore for control of EFILive_Hapi	Internal	Contact EFILive if this error persists.
\$002B	Can't create shared memory for control of EFILive_Hapi	Internal	Contact EFILive if this error persists.
\$002C	Too many processes connected to EFILive_Hapi	Internal	Contact EFILive if this error persists.
\$002D	Windows error	Internal	Contact EFILive if this error persists.

\$002E	EFILive_Hapi did not start	Internal	Contact EFILive if this error persists.
\$002F	Device not connected	The AutoCal or FlashScan device is not connected via the USB cable to the PC.	Connect FlashScan or AutoCal to the PC via the USB cable.

Boot Error Codes

Error	Description	Cause	Action
\$0081	<p>RAM failure. Indicated by the following flashing LED's on FlashScan's front panel.</p> 	Each time FlashScan or AutoCal is powered up, it tests its external RAM chip. If that test fails then the RAM chip is faulty.	Return FlashScan or AutoCal to EFILive for repair.
\$0082	<p>BOOT Block is not present or corrupt. Indicated by the following flashing LED's on FlashScan's front panel.</p> 	Internal	Contact EFILive if this error persists.
\$0083	<p>BOOT Block is the wrong size</p>	Internal	Contact EFILive if this error persists.
\$0084	<p>Boot block CRC is incorrect. Indicated by the following flashing LED's on FlashScan's front panel.</p> 	Each time FlashScan or AutoCal is powered up, it tests the internal boot block software for consistency. If that test fails the device will not operate correctly.	Return FlashScan or AutoCal to EFILive for repair.
\$0085	<p>Application firmware is not present or corrupt. Indicated by alternately flashing orange LEDs on FlashScan's front panel.</p> 	Each time FlashScan or AutoCal is powered up, it tests the firmware for consistency. If that test fails the firmware is invalid. See Deadpoll mode below.	Reprogram the firmware. Contact EFILive if this error persists.

\$0086	<p>Application Internal Flash CRC is incorrect. Indicated by alternately flashing orange LEDs on FlashScan's front panel.</p> 	<p>Each time FlashScan or AutoCal is powered up, it tests the flash chip for consistency. If that test fails the flash chip may have failed. See Deadpoll mode below.</p>	<p>Reprogram the firmware. Contact EFILive if this error persists.</p>
\$0087	<p>Application External Flash CRC is incorrect. Indicated by alternately flashing orange LEDs on FlashScan's front panel.</p> 	<p>Each time FlashScan or AutoCal is powered up, it tests the CPU's flash memory for consistency. If that test fails the CPU's flash memory may have failed. See Deadpoll mode below.</p>	<p>Reprogram the firmware. Contact EFILive if this error persists.</p>
\$0088	<p>Application Internal and External Flash CRC are incorrect. Indicated by alternately flashing orange LEDs on FlashScan's front panel.</p> 	<p>Both \$0086 and \$0087 errors occurred simultaneously. See Deadpoll mode below.</p>	<p>Reprogram the firmware. Contact EFILive if this error persists.</p>
\$0089	<p>Application Internal firmware is the wrong size</p>	<p>Internal</p>	<p>Contact EFILive if this error persists.</p>
\$008A	<p>Application External firmware is the wrong size</p>	<p>Internal</p>	<p>Contact EFILive if this error persists.</p>
\$008B	<p>Attempted to erase or reflash non-existent flash memory</p>	<p>Internal</p>	<p>Contact EFILive if this error persists.</p>
\$008C	<p>License details have not been programmed yet</p>	<p>The FlashScan or AutoCal device was not programmed with license information during manufacturing.</p>	<p>Contact EFILive if this error persists.</p>
\$008D	<p>Attempted to erase or reflash protected flash memory</p>	<p>Internal</p>	<p>Contact EFILive if this error persists.</p>

\$008E	Attempt to overwrite firmware with an older version	Firmware can only be upgraded to a later version; it can never be downgraded to a previous version.	Only attempt to program the current or later firmware into the FlashScan or AutoCal device.
\$008F	Hardware is not licensed	The FlashScan or AutoCal device was not programmed with license information during manufacturing.	Contact EFILive if this error persists.
\$0090	Firmware and boot block are not compatible	The boot block and the firmware must have the same first two digits of their version number.	Reprogram the firmware to match the boot block.
\$0091	Device did not re-boot after firmware update	The firmware reprogramming may have failed.	Reboot FlashScan or AutoCal. If the device reboots successfully then there is no fault. If the device boots into dead-poll mode, then reprogram the firmware. Contact EFILive if this error persists.
\$0092	CPU memory access fault, data not WORD aligned.	Access to RAM and/or flash memory must be made on a 16-bit WORD boundary. The CPU has trapped a non-aligned address instruction.	Contact EFILive if this error persists.

Deadpoll mode

Both FlashScan and AutoCal can execute in what is known as deadpoll mode. Deadpoll mode is a special mode that allows FlashScan and AutoCal to be reprogrammed. Deadpoll mode is indicated by alternately flashing orange LEDs (FlashScan) or flashing LCD backlight (AutoCal).

When you attempt to reprogram FlashScan or AutoCal the reprogramming software automatically requests deadpoll mode. However, sometimes it is not possible for the reprogramming software to request deadpoll mode, so a manual override is available. To manually select deadpoll mode, hold down the Ctrl key (FlashScan) or the Ok key (AutoCal) while connecting USB cable. (I.e. while booting the device)

Deadpoll may be automatically selected by FlashScan or AutoCal if they detect that their firmware is missing or corrupt (I.e. errors \$0085 to \$0088).

Flash Memory Error Codes

Error	Description	Cause	Action
\$00C1	Operating error	Internal	Contact EFILive if this error persists.
\$00C2	Sequence error	Internal	Contact EFILive if this error persists.
\$00C3	Protection error	Internal	Contact EFILive if this error persists.
\$00C4	External flash erase error	Internal	Contact EFILive if this error persists.
\$00C5	External flash write error	Internal	Contact EFILive if this error persists.
\$00C6	External flash was not erased correctly	Internal	Contact EFILive if this error persists.

USB Error Codes

Error	Description	Cause	Action
\$0100	No USB connection	USB cable is faulty or not connected	Check USB cables, plugs and connections. Try using a different USB port and/or different USB cable.
\$0101	No data received	USB cable is faulty or not connected	Check USB cables, plugs and connections. Try using a different USB port and/or different USB cable.
\$0102	Transmit buffer is full	Internal	Contact EFILive if this error persists.
\$0103	Received data message had no CRC data	Internal	Contact EFILive if this error persists.
\$0104	Bad CRC on received data	Internal	Contact EFILive if this error persists.
\$0105	Received data contained incorrect number of parameters	Internal	Contact EFILive if this error persists.
\$0106	Received data contained parameters that were out of range	Internal	Contact EFILive if this error persists.
\$0107	Received data message was too short	Internal	Contact EFILive if this error persists.
\$0108	Received data message was too long	Internal	Contact EFILive if this error persists.
\$0109	Received data message contained unknown command group	Internal	Contact EFILive if this error persists.
\$010A	Received data message contained unknown command action	Internal	Contact EFILive if this error persists.

\$010B	Device is locked by user PIN	FlashScan has been locked with a user supplied PIN. That PIN has not been entered correctly since FlashScan was powered up.	Enter the correct PIN If you have forgotten the PIN, send the code displayed on FlashScan's LCD screen to EFILive for recovery.
\$010C	Device is busy (i.e. BBL or Reading/Flashing a tune)	FlashScan or AutoCal is currently being used in pass-through mode.	Exit from pass-through mode and retry operation.

FAT32 Flash File System Error Codes

Error	Description	Cause	Action
\$0180	F_NO_ERROR	Internal	Contact EFILive if this error persists.
\$0181	F_ERR_RESERVED_1	Internal	Contact EFILive if this error persists.
\$0182	F_ERR_NOTFORMATTED	The target file system (CONFIG or DATA) is not formatted.	Format the appropriate file system. DATA: Use the onboard setup tools format the DATA file system on either the SD card or the internal memory. CONFIG: Use EFILive_Explorer to format the CONFIG file system.
\$0183	F_ERR_INVALIDDIR	Internal	Contact EFILive if this error persists.
\$0184	F_ERR_INVALIDNAME	Internal	Contact EFILive if this error persists.
\$0185	F_ERR_NOTFOUND	A file or folder was not found.	You may need to copy a required file to FlashScan or AutoCal using EFILive_Explorer.
\$0186	F_ERR_DUPLICATED	Internal	Contact EFILive if this error persists.
\$0187	F_ERR_NOMOREENTRY	Internal	Contact EFILive if this error persists.
\$0188	F_ERR_NOTOPEN	Internal	Contact EFILive if this error persists.
\$0189	F_ERR_EOF	Internal	Contact EFILive if this error persists.
\$018A	F_ERR_RESERVED_2	Internal	Contact EFILive if this error persists.
\$018B	F_ERR_NOTUSEABLE	Internal	Contact EFILive if this error persists.

\$018C	F_ERR_LOCKED	Internal	Contact EFILive if this error persists.
\$018D	F_ERR_ACCESSDENIED	Internal	Contact EFILive if this error persists.
\$018E	F_ERR_NOTEMPTY	Internal	Contact EFILive if this error persists.
\$018F	F_ERR_INITFUNC	Internal	Contact EFILive if this error persists.
\$0190	F_ERR_CARDREMOVED	SD card has been removed.	Replace the SD card
\$0191	F_ERR_ONDRIVE	Internal	Contact EFILive if this error persists.
\$0192	F_ERR_INVALIDSECTOR	Internal	Contact EFILive if this error persists.
\$0193	F_ERR_READ	Internal	Contact EFILive if this error persists.
\$0194	F_ERR_WRITE	Internal	Contact EFILive if this error persists.
\$0195	F_ERR_INVALIDMEDIA	Internal	Contact EFILive if this error persists.
\$0196	F_ERR_BUSY	Internal	Contact EFILive if this error persists.
\$0197	F_ERR_WRITEPROTECT	SD card's write protect tab is locked.	Unlock the SD card's write protect tab.
\$0198	F_ERR_INVFATTYPE	Internal	Contact EFILive if this error persists.
\$0199	F_ERR_MEDIATOOSMALL	Internal	Contact EFILive if this error persists.
\$019A	F_ERR_MEDIATOO LARGE	Internal	Contact EFILive if this error persists.
\$019B	F_ERR_NOTSUPPSECTORSIZE	Internal	Contact EFILive if this error persists.
\$019C	F_ERR_ALLOCATION	Internal	Contact EFILive if this error persists.

File Transfer Link Error Codes

Error	Description	Cause	Action
\$0200	Can't open file	Internal	Contact EFILive if this error persists.
\$0201	Permission denied	Internal	Contact EFILive if this error persists.
\$0202	Does not exist	Internal	Contact EFILive if this error persists.
\$0206	Bad file	Internal	Contact EFILive if this error persists.
\$0207	Is too big	Internal	Contact EFILive if this error persists.
\$0210	File system is busy	Internal	Contact EFILive if this error persists.
\$0211	Already exists	Internal	Contact EFILive if this error persists.
\$0214	Is not a directory	Internal	Contact EFILive if this error persists.
\$0215	Is a directory	Internal	Contact EFILive if this error persists.
\$021C	No space	Internal	Contact EFILive if this error persists.
\$0222	Range error	Internal	Contact EFILive if this error persists.

OBD Error Codes

Error	Description	Cause	Action
\$0280	Unsupported protocol (i.e. no vehicle detected)	FlashScan or AutoCal could not detect a valid OBD protocol.	<p>Check all cables and connections.</p> <p>Make sure ignition is turned on to the run position.</p> <p>Make sure the vehicle is supported by EFILive.</p>
\$0281	No data received	FlashScan or AutoCal did not receive valid data from the connected vehicle.	<p>Check all cables and connections.</p> <p>Make sure ignition is turned on to the run position.</p> <p>Make sure the vehicle is supported by EFILive.</p>
\$0282	No such node	Internal	Contact EFILive if this error persists.
\$0283	No such PID	Internal	Contact EFILive if this error persists.
\$0284	Unknown PCI (Protocol Control Information)	Internal	Contact EFILive if this error persists.
\$0285	Incorrect sequence ID	Internal	Contact EFILive if this error persists.
\$0286	CAN, VPW or ALDL handler is busy	Internal	Contact EFILive if this error persists.
\$0287	Dynamic packets are full	Internal	Contact EFILive if this error persists.
\$0288	Response from controller not supported by EFILive	Internal	Contact EFILive if this error persists.
\$0289	PID selection is full	Internal	Contact EFILive if this error persists.
\$028A	OBD command is no longer supported	Internal	Contact EFILive if this error persists.

\$028B	Command Not Implemented	Internal	Contact EFILive if this error persists.
\$028C	Not in pass through mode	Internal	Contact EFILive if this error persists.

Controller Error Codes

Error	Description	Cause	Action
\$0311	Mode Not Supported (\$11)	The vehicle does not support the requested OBD mode.	Contact EFILive if this error persists.
\$0312	Sub Function Not Supported or Invalid Format (\$12)	The vehicle does not support the requested OBD mode's sub-function.	Contact EFILive if this error persists.
\$0322	Conditions Not Correct or Request Sequence Error (\$22)	A request was made by FlashScan or AutoCal and the controller was not able or ready to handle the request.	Retry the operation. Contact EFILive if this error persists.
\$0323	Routine Not Complete (\$23)	Internal	Contact EFILive if this error persists.
\$0331	Request Out of Range (\$31)	The vehicle does not support the requested OBD mode's, sub-function's parameter.	Contact EFILive if this error persists.
\$0333	Security Access Denied (\$33)	The controller has either not been successfully unlocked or has re-armed itself prior to FlashScan or AutoCal making a secure request.	Retry the operation. Contact EFILive if this error persists.
\$0335	Invalid Key (\$35)	Controller is locked with a custom key or an incorrect custom key was supplied.	Unlock controller using the correct custom key.
\$0336	Exceeded Number of Attempts (\$36)	Too many attempts to unlock a controller.	Cycle ignition and retry the operation.
\$0337	Controller Not Ready, Wait 10sec And Retry (\$37)	Controller cannot be unlocked within 10 seconds of ignition-on.	Wait 10 seconds after ignition-on before attempting to read or program a controller.
\$0378	Request Correctly Received, Response Pending (\$78)	Internal	Contact EFILive if this error persists.
\$0381	Scheduler Full (\$81)	Internal	Contact EFILive if this error persists.

\$03E3	Device Control Limits Exceeded (\$E3)	During DVT (Dynamic Vehicle Testing) (aka bi-directional controls) a request was made to set one or more controls beyond the limits imposed by the vehicle.	Change the bi-directional control value(s) to an acceptable value.
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SD Card Error Codes

Error	Description	Cause	Action
\$0401	Unknown SD card error	Internal	Contact EFILive if this error persists.
\$0402	SD card not present	SD Card is not inserted into SD Card slot	Fully insert SD card into SD card slot.
\$0403	SD card not initialized	Internal	Contact EFILive if this error persists.
\$0404	SD card busy	Internal	Contact EFILive if this error persists.
\$0405	SD card is write protected	The SD card's write protect tab is locked.	Unlock the SD card's write protect tab.
\$0406	Error writing to SD card	Faulty SD Card	Replace SD Card
\$0407	Error reading from SD card	Faulty SD Card	Replace SD Card
\$0408	SD card took too long to respond	Faulty SD Card	Replace SD Card
\$0409	Incorrect SD card command parameter	Internal	Contact EFILive if this error persists.
\$040A	Invalid SD card sector address	Internal	Contact EFILive if this error persists.
\$040B	SD card erase sequence error	Internal	Contact EFILive if this error persists.
\$040C	SD card CRC incorrect	Faulty SD Card	Replace SD Card
\$040D	Invalid SD card command	Internal	Contact EFILive if this error persists.
\$040E	SD card erase reset failed	Faulty SD Card	Replace SD Card
\$040F	SD card is still initializing	Faulty SD Card	Replace SD Card
\$0410	SD card took too long to read data	Faulty SD Card	Replace SD Card

\$0411	SD card took too long to ack write request	Faulty SD Card	Replace SD Card
\$0412	SD card took too long to write data	Faulty SD Card	Replace SD Card
\$0413	SD card init loop 0 timeout	Faulty SD Card	Replace SD Card
\$0414	SD card init loop 1 timeout	Faulty SD Card	Replace SD Card
\$0415	Unrecoverable read error	Faulty SD Card	Replace SD Card
\$0416	Unrecoverable write error	Faulty SD Card	Replace SD Card
\$0417	Unsupported voltage	SD Card operating voltage range is not supported by FlashScan	Replace SD Card with one that operates in the FlashScan supported voltage range of 2.7V-3.3V
\$0418	SD V2.0 pattern mismatch	While attempting to determine if the SD Card supports V1.0 or V2.0 protocols, the verification pattern for CMD8 was inconsistent.	Replace SD Card

Black Box Logging/Flashing Error Codes

Error	Description	Cause	Action
\$0481	Unrecognized *.pmm file	The *.pmm file that was copied to FlashScan or AutoCal when setting up Black Box Logging is corrupt or is not a true *.pmm file.	Re-install (or repair-install) the EFILive V8 software, then use the BBL [Program] option with the "Force update of PMM files" option checked.
\$0482	*.pmm file incompatible with this firmware version	You are using an older version of the EFILive version 8 software than the AutoCal or FlashScan firmware can handle.	Re-install (or repair-install) the EFILive V8 software, then use the BBL [Program] option with the "Force update of PMM files" option checked.
\$0483	*.pmm file has incorrect CRC	The *.pmm file that was copied to FlashScan or AutoCal when setting up Black Box Logging is corrupt or is not a true *.pmm file.	Re-install (or repair-install) the EFILive V8 software, then use the BBL [Program] option with the "Force update of PMM files" option checked.

Reading/Flashing Error Codes

Error	Description	Cause	Action
\$0501	Object file (*.obj) name is too long	Internal	Contact EFILive if this error persists.
\$0502	Object file (*.obj) not found	The required *.obj file does not exist on the device.	Copy the required *.obj file to the device.
\$0503	Object file (*.obj) not valid	The *.obj file is corrupt.	Re-copy the *.obj file to the device.
\$0504	Boot loader file (*.bix) not found	The required *.bix file does not exist on the device.	Copy the required *.bix file to the device.
\$0505	Tune file (*.ctd) not found	The required *.ctd file does not exist on the device.	Copy the required *.ctd file to the device.
\$0506	Can't create/save tune file (*.ctd)	Target file system is not writable	Check that the target file system (Internal flash or SD Card) is formatted. Check that the write protect switch on the SD Card is not set to locked
\$0507	Operation would cause buffer overflow	Internal	Contact EFILive if this error persists.
\$0508	Script aborted by user	User interrupted script during a read or programming operation	Re-run script, allowing it to complete.
\$0509	Incorrect file open mode	Internal	Contact EFILive if this error persists.
\$050A	Not enough space to save *.ctd file	SD Card or Internal Memory file system does not contain enough free space to save the target controller's *.ctd file image.	Delete one or more files from FlashScan's/AutoCal's file system.

\$050B	Script file not supported by current firmware version	The script file uses features not available in the current firmware.	Upgrade the firmware in your FlashScan/AutoCal device and upgrade the EFILive software. Then reconfigure FlashScan/AutoCal using the latest firmware and software.
\$050C	Operation not supported	Internal	Contact EFILive if this error persists.
\$050D	Controller not supported	Internal	Contact EFILive if this error persists.
\$0510	Internal error	Internal	Contact EFILive if this error persists.
\$0511	Unknown op-code	Internal	Contact EFILive if this error persists.
\$0512	Stack underflow	Internal	Contact EFILive if this error persists.
\$0513	Stack underflow	Internal	Contact EFILive if this error persists.
\$0514	Divide by zero	Internal	Contact EFILive if this error persists.
\$0515	Negative response from controller	Internal	Contact EFILive if this error persists.
\$0516	Could not determine flash memory size	Internal	Contact EFILive if this error persists.
\$0520	Cannot open *.ctd file	A *.ctd file that cannot be located to be verified. This usually indicates that the file does not exist on the target file system (SD Card or internal memory).	Re-upload or re-copy the *.ctd file. Check that the target file system is correctly formatted.
\$0521	Cannot read from *.ctd file	The *.ctd file is corrupt.	Re-upload or re-copy the *.ctd file. Check that the target file system is correctly formatted. If this error persists, then discard the *.ctd file

\$0522	Incorrect CRC in *.ctd file.	The *.ctd file has been corrupted.	<p>Re-upload or re-copy the *.ctd file.</p> <p>Check that the target file system is correctly formatted.</p> <p>If this error persists, then discard the *.ctd file</p>
\$0523	Cannot verify length of *.ctd file	While verifying the contents of a *.ctd file, the size of the file is different to the expected file size. This usually indicates that the file has been saved incorrectly.	<p>Re-upload or re-copy the *.ctd file.</p> <p>Check that the target file system is correctly formatted.</p> <p>If this error persists, then discard the *.ctd file</p>
\$0524	Cannot verify contents of *.ctd file	While verifying the contents of a *.ctd the data in the file could not be decoded. This usually indicates that the file has not been saved correctly.	<p>Re-upload or re-copy the *.ctd file.</p> <p>Check that the target file system is correctly formatted.</p> <p>If this error persists, then discard the *.ctd file</p>
\$0525	*.ctd file is not compatible with firmware	The EFILive software and/or the FlashScan/AutoCal firmware does not recognize the *.ctd file format.	Please make sure the FlashScan/AutoCal firmware is up to date and that the *.ctd file has been created/saved using the latest software.
\$0530	License number in *.ctd file does not match FlashScan/AutoCal License number	The *.ctd file has been configured to only be allowed to be used with a particular FlashScan/AutoCal device and the device currently in use is not that device.	Contact the creator of the *.ctd file and request that the file be re-configured to match your FlashScan/AutoCal device.
\$0531	Serial number in *.ctd file does not match controller's serial number	The *.ctd file has been configured to only be allowed to be used with a particular controller and the controller currently being flashed is not that controller.	Contact the creator of the *.ctd file and request that the file be re-configured to match your controller.

\$0532	Controller not licensed.	An attempt was made to program a controller before it was licensed.	License the controller before attempting to program it. You can license a controller using the on-screen prompts via FlashScan or AutoCal.
\$0533	No VIN-license slots available.	An attempt was made to license a controller when no free VIN licenses slots were available.	Additional VIN license slots can be purchased for FlashScan devices from EFILive's on-line web store (www.efilive.com). AutoCal devices are limited to one VIN license only.
\$0534	Invalid Serial Number.	An attempt was made to program and license a controller that had a corrupt serial number.	It is possible for the serial number to appear corrupt due to a data transfer failure. Retry the operation a few times, if the error continues to occur then the serial number probably is corrupt. In that case, use the EFILive Tuning Tool software to full-flash the controller to restore the serial number.
\$0535	AutoCal is not yet linked to a FlashScan.	An attempt was made to program a controller using an AutoCal device that has not yet been linked to its parent FlashScan device.	All AutoCal devices must be linked to a parent FlashScan device before they can be used to re-flash any controller. Please connect both FlashScan and AutoCal devices and then use the EFILive Control Panel (aka EFILive HAPI) software to perform the link.
\$0536	*.ctd file is not registered to this AutoCal device.	An attempt was made to program a controller with a *.ctd file that is not linked to this AutoCal device.	AutoCal devices may only be used to flash *.ctd files that have been specifically created for that AutoCal device. To create a *.ctd file specifically for an AutoCal device, the FlashScan device to which the AutoCal has been registered must be connected to the PC when the *.ctd file is created.

\$0537	Controller is locked with a custom key.	An attempt was made to read or program a controller that cannot be unlocked using the standard GM keys.	If you know the key that was used to lock the controller, please use the unlock option in the EFILive software to unlock the controller before attempting to read or re-flash the controller again.
\$0538	DSP Operating Systems cannot be read.	Controller contains a DSP Operating System which can't be read.	Once a controller has been upgraded with a DSP2 or DSP5 custom operating system, it cannot be read from the controller.
\$0540	Incompatible operating system.	An attempt was made to program a controller with a *.ctd file containing an incompatible operating system.	<p>Check that the *.ctd file being programmed has a compatible operating system with the controller being programmed.</p> <p>If a 97/98 LS1 controller is in dead poll mode (i.e. a previous flash failed) then the operating system cannot be accurately determined. In that case, you must full-flash the controller using the EFILive Tuning Tool software.</p>
\$0548	Flash checksum failed.	The data programmed into the controller has been corrupted.	<p>Retry the flash procedure.</p> <p>If this problem persists, contact EFILive support.</p>