FlashScan/AutoCal V2.06 Quick Reference

FlashScan

Scan Tool
    Select PIDs
        Entries from the *PID_SELECTION section in file Options.ini are listed here.
    Data Logging
        Record Data
        Display Data
        Display WO2
    Scan Options
        Save Trace File
        Onboard modules
        Lookup DTC
            Pxxxx Codes
            Cxxxx Codes
            Bxxxx Codes
            Uxxxx Codes

Tuning Tool
    Tuning
        Read Tune
            Entries from the *TUNE_SELECTION section in file Options.ini are listed here.
        Program Cal (not available yet)
        Program Full (not available yet)
    Injectors
        Read GPM Inject
        Prog ECM Inject
        Read GPM Inject
        Prog ECM Inject
    Switchable Tunes
        Entries from the *SW_DSP5 or *SW_E38 sections in file Options.ini are listed here.
    Tune Options (not available yet)

Diagnostics
    Display Info
        Display VIN/OS
        Display CVN
    Trouble Codes
        All DTCs (Press OK for selected DTC's description)
        Current DTCs (Press OK for selected DTC's description)
        Display FFs
        Clear DTCs
    Test Results
        System Readiness
        O2 Sensors
        Mode $06
        Mode $06 (All)
    Record All Diags

Options
    Setup
        Edit Settings

File Sys:	Set the target file system.
File #:	Set the unique counter for file names.
Locale:	Select US or Australian format dates.
Units:	Select Metric or Custom display units.
MRU PIDs:	Auto select most recently used PID selection.
ScanRate:	Select BBL frame rate.
ADFilter:	Select analog->digital filter passes.
A/D PIDs:	Auto select analog->Digital PIDs.
Ser PIDs:	Auto select serial wideband PIDs.
PIDs/LCD:	Number of PIDs to display while BBL.
Note 30:	Inset note 30 when user pauses data logging.

Vfy BBR:	Extended BBR verification.
BBXStats:	Display statistics at end of BBR/BBF operation.
LED Mode:	Select the mode for LEDs on keypad.
COM Port:	Select type of data on serial port.
WO2 Type:	Select wide band controller type.
WO2 fmt:	Select wide band display format.
WO2 Data:	Select wide band display contents.
WO2-1 ID:	Select ID code of WO2 #1
WO2-2 ID:	Select ID code of WO2 #2
Lo Power:	Set low power timeout.
Splash:	Set splash screen timeout.
Alert:	Set alert message timeout.
Error:	Set error message timeout.
AR Delay:	Set keypad auto-repeat delay.
AR Speed:	Set keypad auto repeat speed.
Inverse:	Set display inverse.

Set Date/Time
Change PIN
File System
    Delete File
    Free Space
    Format File Sys
    File Sys Info
        Flash Stats
        SD Card Status
        SD Card Info
        Browse Files
Licensing
    License Details
    VIN Licenses
    Stream Licenses
Self Tests
    Splash Screen
    Low Power Mode
    External Sensors
        Display Sensors
        Calibrate 5V A/D
    Self Tests (press F4 to select hidden test menu)

AutoCal

Scan Tool
        Select PIDs
                Entries from the *PID_SELECTION section in file Options.ini are listed here.
        Record Data
        Display Data
        Display VIN
        Display OS
        Save Trace
        Show Modules
Tuning Tool
        Read Tune
                Entries from the *TUNE_SELECTION section in file Options.ini are listed here.
        Program Cal (not available yet)
        Program Full (not available yet)
        Read GPM Injector
        Prog GPM Injector
        Read ECM Injector
        Prog ECM Injector
        Switchable Tunes
                Entries from the *SW_DSP5 or *SW_E38 sections in file Options.ini are listed here.
        Tune Options (not available yet)
Trouble Codes
        Display SRT Stat
        Display All DTCs
        Display Set DTCs
        Display FrzFrame
        Record Diags
        Clear Codes
AutoCal Options
        Edit Settings

	File #:	Set the unique counter for file names.
	Locale:	Select US or Australian format dates.
	Units:	Select Metric or Custom display units.
	MRU PIDs:	Auto select most recently used PID selection.
	ScanRate:	Select BBL frame rate.
	Note 30:	Inset note 30 when user pauses data logging.
	Vfy BBR:	Extended BBR verification.
	BBXStats:	Display statistics at end of BBR/BBF operation.
	Lo Power:	Set low power timeout.
	Splash:	Set splash screen timeout.
	Alert:	Set alert message timeout.
	Error:	Set error message timeout.
	AR Delay:	Set keypad auto-repeat delay.
	AR Speed:	Set keypad auto repeat speed.

        Restore Settings
        Set Date and Time
        Browse Files
        Delete File
        Free Space
        Format File Sys
Display Licenses
        SN: xxxxxxxxxxxx
        LIC: xxxxxxxxxxxx
        Firmware 2.05.xx
        BootBlk 2.05.xx
Low Pwr Mode
Self Tests
        Run All Tests
        Test LCD
        Test KEY
        Test ROM
        Test ROM FULL
        Test 12V

Test ALD
Test ALD RPT
Test VPW
Test VPW RPT
Test CAN
Test CAN RPT

Hotkeys

FlashScan Boot hotkeys: (keys held down during power-up)

F1	Reformat the CONFIG file system and reset settings
OK	Enter dead-poll mode

AutoCal Boot hotkeys: (keys held down during power-up)

Prev	Reformat the CONFIG file system and reset settings
OK	Enter dead-poll mode

Menu hotkeys:

F1	Select menu option F1
F2	Select menu option F2
F3	Select menu option F3
F4	Select menu option F4
Ok	Select current menu option
Up	Move to previous menu option
Down	Move to next menu option
Cancel	Return to previous menu
Ctrl+0	Enter low power mode (any key to resume)
Ctrl+Down	Toggle Inverse LCD mode
Ctrl+Ok	Re-detect connected controllers
Ctrl+Bspace	Open the Settings Editor
Ctrl+Cancel	Reboot FlashScan
Ctrl+F1	Select predefined PID set 1
Ctrl+F2	Select predefined PID set 2
Ctrl+F3	Select predefined PID set 3
Ctrl+F4	Select predefined PID set 4
0	Start data logging

Selection hotkeys:

Up	Move to previous setting
Down	Move to next setting
Left	Move to previous page
Right	Move to next page
Cancel	Exit
OK	Select currently highlighted option and exit

Data Logging Hotkeys:

Up	Scroll data display up
Down	Scroll data display down
Left	Scroll data display up a page
Right	Scroll data display down a page
Ok	Pause data logging (data continues to update on screen)
Cancel	Stop logging and save data. (MUST be done BEFORE power is removed from device)
Enter	Toggle Display of Metric and Custom units
Ctrl+Enter	Toggle large/small font for display of PID values
Ctrl+Down	Toggle Inverse LCD mode
F1	Tag logged data with Note 1
F2	Tag logged data with Note 2
F3	Tag logged data with Note 3
F4	Tag logged data with Note 4
Ctrl+F1	Tag logged data with Note 5
Ctrl+F2	Tag logged data with Note 6
Ctrl+F3	Tag logged data with Note 7
Ctrl+F4	Tag logged data with Note 8

(A short beep is sounded to indicate tag has been inserted into log file)

Wide Band O2 display hotkeys:

Enter	Toggle Lambda and EQ Ratio display
OK	Cycle sensor 1, sensor 2 and both sensor display modes (Innovate and PLX only)
0	Perform a free-air calibration (LC-1 only)
Backspace	Cycle through wide band controller types

Settings Editor hotkeys:

Left	Reduce setting by 1
Right	Increase setting by 1
Ctrl+Left	Reduce setting by 10

Ctrl+Right	Increase setting by 10
Up	Move to previous setting
Down	Move to next setting
Ctrl+Up	Select minimum setting
Ctrl+Down	Select maximum setting (also toggles LCD inverse)
Ctrl+Backspace	Restore factory defaults
Cancel	Discard changes and exit
OK	Save changes and exit

Splash Screen Hotkey:
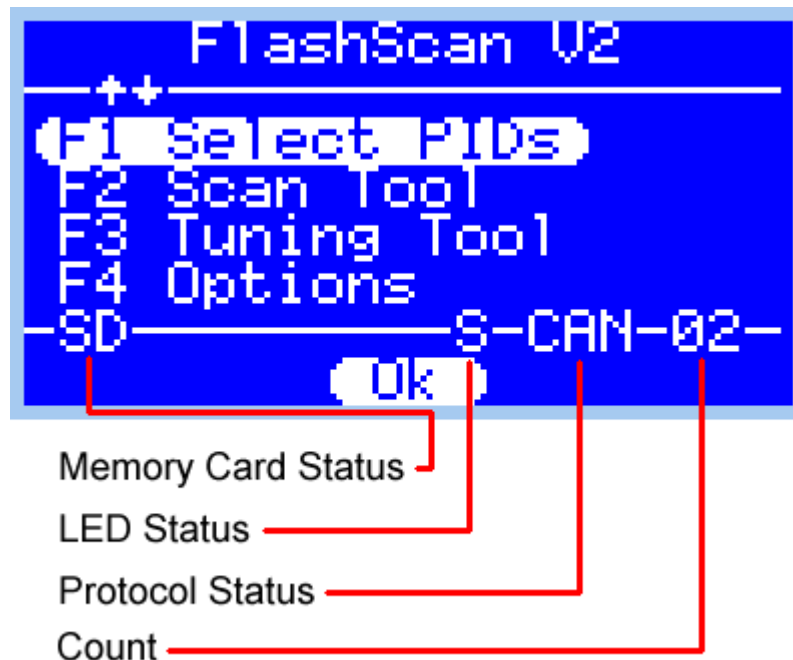
Press any key to clear splash screen before timeout

Set Time Hotkeys:

Up	Decrease selected value
Down	Increase selected value
Ok	Move to next value
Cancel	Discard changes and exit

Display Options

FlashScan

The second to last line of the FlashScan menu screen contains information about the current operating state.

Memory card status

        SD: SD card is selected and present

        XX: SD card is selected but not present

        IM: Internal memory is selected (SD card is ignored if present)

LED status

        S   LEDs are used to show various systems' status, numbered from left to right:

           1   BB Logging is in progress (flashes when BB logging is paused)

           2   Data is being streamed to the RS232 connection

           3   Data is being written to flash memory (do not power down)

           4   OBD data is being received from or transmitted to the vehicle

           5   USB data is being received from or transmitted to the PC/laptop

        A   LEDs are ONLY used to display visual alarms defined in Options.ini

        X   LEDs are switched off

Protocol status

        ALD   ALDL protocol detected (not available yet)

        CAN   Controller Area Network protocol detected

        VPW   Variable Pulse Width protocol detected

Count

        Number of on-board controllers detected.