

## Holley EFI Base Calibrations

Holley provides a variety of base calibrations included with the software. The calibrations can be used with both HP or Dominator ECU's.

The following reviews these calibrations. Go to [www.holleyefi.com](http://www.holleyefi.com), click on "Technical" and go to "Resources and Documents". Now, look for "HP and Dominator EFI Base Calibrations" to view the latest base calibrations available as new calibrations are continuously being added. Or, you can always type in <http://www.holley.com/TechService/Library.asp>.

Note that you must thoroughly review these base calibrations to make sure that they are proper for your specific engine. The most important items to check are:

- All Engine Parameters, which include:
  - o Number of cylinders
  - o Wideband Oxygen Sensor Type
  - o All Fuel System and Fuel Injector Information
- All Ignition Parameters
- Make sure you check and properly pin-map all inputs and outputs!

These base calibrations typically don't include features such as nitrous oxide control, boost control, drive by wire, electronic transmission control, water methanol injection, and programmable inputs and outputs (unless noted). To add these features use the "Toolbox" feature (shown below) in the software to add these functions.



## Base Calibrations

### 1. MPFI and TBI Stock to Moderate Performance Calibration

The following are found in the "Base Cals" folder (located under C:\Program Files\Holley\EFI\Global Folders). These are predefined for Holley MPFI and TBI systems. You can use them on similar applications, just make sure to change the injector size and other required parameters as needed.

### Multi-Port Base Calibrations

For use with single plane and Stealthram style intake manifolds.

#### **Engines up to 409 Cubic Inches:**

MPI36SB215HE – Set for Holley 36 lb/hr injectors, and stock type camshafts (up to 215 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

MPI36SB225HE – Set for Holley 36 lb/hr injectors, and mild camshafts (215 to 225 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

MPI36SB245HE - Set for Holley 36 lb/hr injectors, and performance camshafts (226 to 245 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

#### **Engines 410 Cubic Inches and larger:**

MPI48BB215HE – Set for Holley 48 lb/hr injectors, and stock type camshafts (up to 215 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

MPI48BB225HE – Set for Holley 48 lb/hr injectors, and mild camshafts (216 to 225 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

MPI48BB245HE - Set for Holley 48 lb/hr injectors, and performance camshafts (226 to 245 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

## **TBI Base Calibrations**

Designed for use with 4 bbl Holley TBI units with progressive throttle linkage. Modify as needed for other TBI based systems.

### **Engines up to 409 Cubic Inches:**

TBI85SB215HE – Set for Holley 85 lb/hr injectors, and stock type camshafts (up to 215 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

TBI85SB225HE – Set for Holley 85 lb/hr injectors, and mild camshafts (216 to 225 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

TBI85SB245HE - Set for Holley 85 lb/hr injectors, and performance camshafts (226 to 245 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

### **Engines 410 Cubic Inches and larger:**

TBI85BB215HE – Set for Holley 85 lb/hr injectors, and stock type camshafts (up to 215 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

TBI85BB225HE – Set for Holley 85 lb/hr injectors, and mild camshafts (216 to 225 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

TBI85BB245HE - Set for Holley 85 lb/hr injectors, and performance camshafts (226 to 245 degrees duration at .050" lift). Ignition type set to GM Small Cap HEI.

## **2. Custom Calibrations**

The following are found in the "Custom Cals" folder (located under C:\Program Files\Holley\EFI\Global Folders) - applications vary. You can use them on similar applications, just make sure to change the injector size and other required parameters, as needed. Just because a calibration is for a "Ford", doesn't mean it can't be used as a baseline for any other make of engine. If your injector size differs, just change the size and off-time values engine parameters.

496\_650HP – 496 cubic inch Big Block Chevy - 650 HP - 254/260@.050" solid roller cam - Oval port heads - Dry nitrous calibrated for port nitrous injection with .023 jets - 60 lb/hr Siemens injectors – Ignition type set to Holley DIS.

555\_BBC\_Turbo – 555 cubic inch Big Block Chevy. 2 Bar MAP sensor - 236@.050 solid roller cam - Dart 320 heads - 160 lb/hr Bosch injectors – Ignition type set to Holley DIS.

302\_Ford\_Turbo – 302 Ford GT40 crate engine - 2 Bar MAP sensor - Single 66mm turbo - 66 lb/hr Holley injectors - Ignition type set to Ford TFI.

LS1\_4L60E – Stock 1998 LS1 Camaro calibration - 4L60E transmission – Stock Fuel Injectors - Drive by wire - Ignition type set to Factory 24x DIS ignition.

502\_4L80E – Calibration for 540 HP 502 Big Block Chevy – 900 CFM 4BBL TBI – 85 lb/hr injectors - 236@.050 hydraulic cam - Oval port heads - 4L80E transmission with 3000 stall torque converter - Ignition type set to GM Small Cap HEI.

LT1\_Stocker – Base calibration for NHRA GM LT1 GM stock eliminator engines - Speed density - 30 lb/hr injectors - Ignition type set to Holley 60-2 Crank Trigger Wheel w/ CD ignition box.

900HP\_Alpha-N – Base calibration for 900 HP big block application, 540-565 cubic inch - Alpha-N - 66 lb/hr Holley injectors - Ignition type set to One Pulse Per Rev Hall Effect Crank Trigger w/ CD ignition box.

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