Z AUTOMOTIVE
Electronic Performance Modifications

BurnBox Hellcat - Line Lock/Cooldown/Light Show

For Firmware Version 9.0.8 - 100317

Installation

Installation is a matter of simply plugging the BurnBox HC Module into the OBDII diagnostic port under the dashboard, above the parking brake. The module will shut itself off, 30 seconds after the car goes to sleep. So there's no need to unplug it – it'll always be ready to use.

Operation

Line Lock: The BurnBox HC Module will use the ABS solenoids to lock the front wheels for burnout purposes. To use this feature, you must stop the car then press the steering wheel LEFT ARROW button and hold it, and press/release the CRUISE + button. Continue to hold the LEFT ARROW button. Once the ABS light on the dash comes on (and EVIC message "Line Lock ON"), pump the brake pedal twice firmly and release. Press the gas pedal, and the rear wheels will break traction. Brakes release when the LEFT ARROW button is released. You can also use a remapped AUX button or Adaptive Cruise button for Line Lock.

FAN/Intercooler pump Cooldown: Set the dash to "Audio" mode. Press the RIGHT ARROW steering wheel button and CRUISE CANC buttons at the same time; the dash will display "FAN ON", then the engine fan will start running. Press the buttons again to advance to "IC PUMP ON", then FAN+IC PUMP LOW, followed by "FAN+IC PUMP HIGH". Again will turn the Cooldown mode off. Starting the car will also turn off the cooldown mode, as it will also turn off if the battery voltage drops below 10.8V under load. You can also use a remapped AUX button or Adaptive Cruise button for Cooldown.

Light Shows:

The BurnBox HC Module comes pre-configured with 6 light shows out of the box, plus 3 "make your own" light shows that you can configure with the ZPU utility. There are four ways to control the light shows on the BurnBox HC Module:

Keyfob: The light show can be turned on by pressing unlock-unlock-lock-unlock from the keyfob. This will start the first light show in the sequence (depending on which show it's configured to start with). Pressing unlock again will advance to the next enabled show. Pressing lock will turn off the light shows. You may lock the vehicle while the shows are on by pressing the button on the door handle or using the key.

Quick-on: The light show can be activated by moving the High Beam stalk to the forward (hi beam) position, and tap the CRUISE + button. This will start the first light show in the

sequence (depending on which show it's configured to start with). Pressing CRUISE + again will advance to the next enabled show. Moving the High Beam stalk back to its normal position will end the show.

Dash Menu: You can start the show by setting the dash to "Audio" mode, then press the left arrow and tap cruise CANC button. "Lightshow?" will display on the dash. Hold left arrow and tap cruise on/off (center) button to turn on the first light show in the sequence. Again to advance to the next show. Exit the menu (left arrow and CANC) to turn off the show.

AUX buttons or Adaptive Cruise buttons:
See the button remap instructions below. You can use the mapped buttons to quicly access any one of the light shows. Press to toggle on/off. If the dash is set to "audio" you will see a confirmation message of the light show on or off.

The BurnBox HC Module will shut off if it's used for such a long time that the vehicle battery voltage drops below 11V.

Mapping AUX/ ACC buttons

If you installed the AUX button bank, the three buttons are available full-time. If you have Adaptive Cruise Control you can remap the near/far distance buttons, which will only be available when ACC is off. To remap, first place the dash in the "audio" screen. Then press and hold the left arrow button, and press the button you want to remap. Press again to switch through the options. When you get to the desired choice, let go of the left arrow.

Configuration

Configuration of the BurnBox HC Module is accomplished by using the supplied USB cable connected to a PC, using the ZPU Programming Utility. The ZPU User Guide explains how to install ZPU and how to perform firmware updates.
Please see the accompanying "Light Show Configuration Guide" to configure your BurnBox HC Module's light show options.

Z Automotive cannot be held responsible misuse or consequential damages. If you are in doubt, email techsupport@zautotech.com.

Please be aware that modifying your vehicle in any way can affect your vehicle's warranty, longevity. Please use with caution, and AT YOUR OWN RISK.