

# ePS – HID Delay

The purpose of this product is to delay a low beam HID from turning on, prior to engine start.

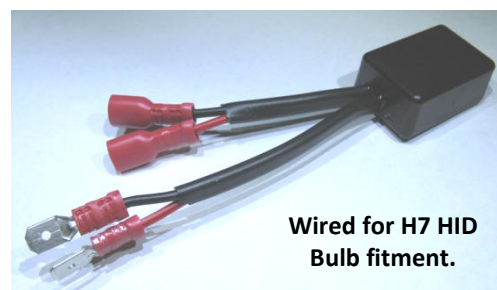
Normally the HID turns on as soon as the bike's ignition turns on. However while cranking, the power to the headlight on some bikes turn off and/or the HID can flame out from the power drain. This results in your HID turn on, then off, then back on again. This isn't good for the HID bulbs lifetime and results in brightness degradation.

HID bulbs need to be powered until they reach operating temperature, approximately 30 to 40 seconds, before being switched off. If not, the metallised salts do not re-crystallise as effectively and wear results. Apart from reduced light output, eventually the ballast will be unable to initiate the arc to start the HID.

This HID delay module will delay the HID turning on for a minimum of 8 seconds. This delay timer will restart if the low beam normally turns off during cranking (bike model dependant). The module may delay turning on for up to 18 seconds. The delay extension is provided both for convenience, and also in case you have a flat battery and need to roll start. Keeping the headlight off makes starting the engine a lot easier, without the current drain of the headlight.

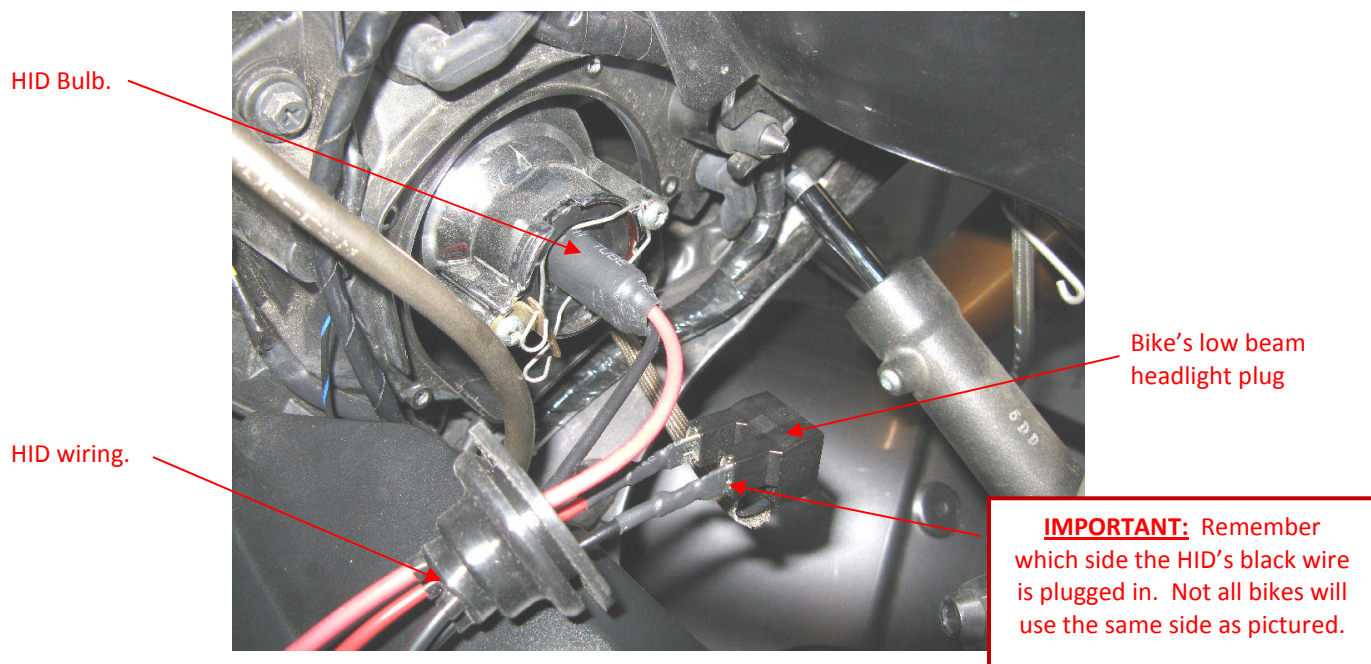
The module connects between the bikes headlight connector and the HID ballast power wires.

Designed for 35 & 50W HID's, as well as up to 80W filament bulbs. Module is waterproof, has LED indicator and measures 36x24x16mm (1.3x1x0.6")



## Installation

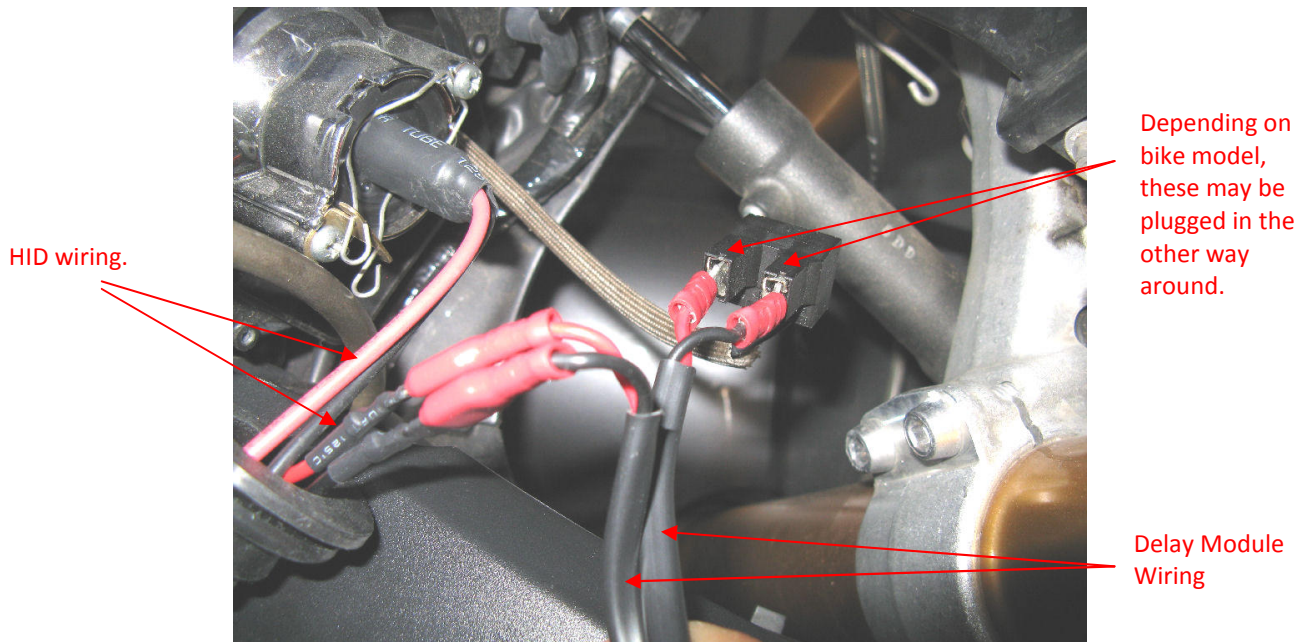
Picture below shows the typical HID installation.



Turn ignition off.

Before unplugging in the HID, take note of where it's black wire is plugged into the headlight socket.

The HID Delay module is just a plug in adaptor, going between the HID and headlight connector. Line up the black wires... HID **black** goes to the HID Delay Mod **black**.



Test it works before riding. If you turn ignition on, it will delay turning on for 8 to 18 seconds. If you start the engine, the delay timer may restart (bike model dependant).

**NOTE:** Never use the kill switch on your bike while riding, as this can force the HID Delay module to restart the delayed-on timer.

Tuck the small HID Delay Module in a convenient position.



## LED Indicator

There is Red LED indicator on the unit. It flashes every second while the delay timer is running, then with normal operation stays on while the output is on. It does however provide additional information for those interested.

On, but briefly pulses off every 2 seconds..... Power is on, but HID/Bulb not drawing expected current.  
 Flashing once a second..... Consider moving its location, as it's getting very hot where it is.  
 Flashing twice a second..... It detected a period of excessive voltage. Check your regulator/rectifier voltage output.

## IMPORTANT DISCLAIMER

The owner accepts ALL responsibility for the use and installation of this product. The product must not be used if malfunction occurs, a suspected malfunction occurs and/or not configured correctly. This product should not be used where it is not compliant with local laws. Only use if safe and permitted to do so and at your own risk.