

# Extreme HID Kit FAQ

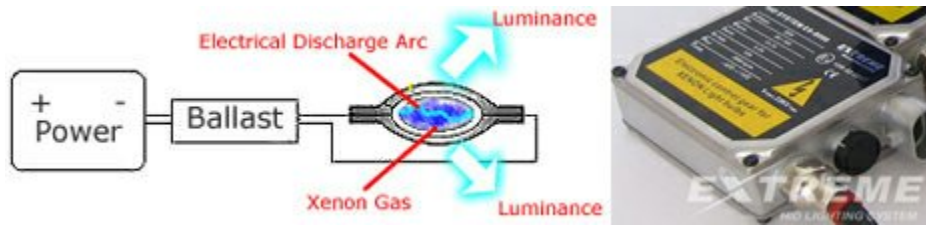
## What is HID?

HID, High Intensity Discharge, (also known as Xenon) refers to lighting technology that relies on an electrical charge to ignite xenon gas in a sealed bulb, similar to the lightning phenomenon in the sky. HID lighting does not have a filament but instead creates light by igniting an electrical discharge between two electrodes in an air tight tiny quartz capsule filled with xenon gas. HID lighting is also called Xenon lighting, referring to the gas inside the bulb.

## What Are Extreme HID kits?

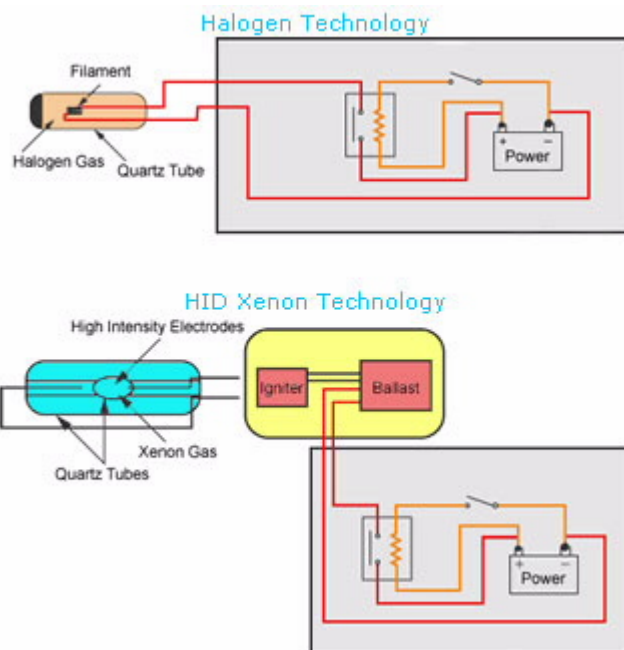
This Xenon lighting system was first designed in Germany by leading engineers in the industry to try and replicate daylight as closely as possible. Extreme HID kits have utilized this original technology, but have also improved on it significantly by adapting the newest 4th generation digital ballast. This newly conceived power source has completely revolutionized the lighting Industry! This new technology is now using a FULLY DIGITAL power source that allows for voltage to be constantly monitored in order to ensure that all parts work completely in sync with your cars original wiring system. In addition they are now completely WATER PROOF to ensure even in the worst conditions your headlights will not fail.

Because of this new revolutionary technology Extreme HID kits now have a LIFETIME warranty. These lights will outlast the life of your car or motorcycle!



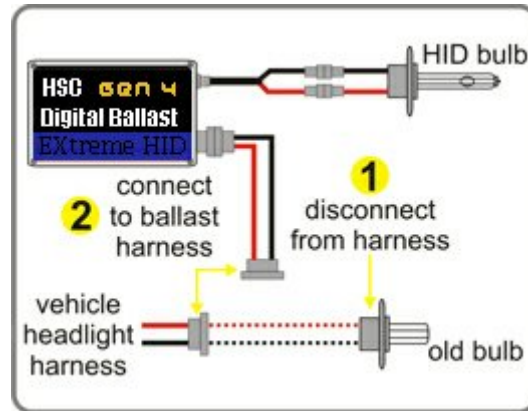
## HID vs. Halogen Technologies

HID lighting improves durability by 10 times as road vibrations can cause damage to halogen filament, but there is nothing to break inside HID bulb. These light sources also produce a blue-white light that is safer because it is closer to natural daylight. The color temperature is more than 6000K compared to 2300K for halogen. The light output from a 35W HID Xenon lamp is 300% more light than a 55W halogen bulb. The HID Xenon system will also consume much less power from your vehicles electrical system and generate much less heat during operation.



## HID Installation

Installing your Extreme HID kit is very simple. The entire procedure is completely plug and play. Most cars do not need a wiring harness to install, but one is provided if it is needed. Your existing factory wiring harness plugs directly into the GEN 4 Digital ballast and from there your Extreme HID bulbs plug directly into the ballast with quick connects. NO SPLICING OR CUTTING of wires is needed! The transformation is completely reversible!



## HID Advantages

- i. 3X Brighter & more consistent illumination of the road, and increases comfort & reduces fatigue when driving at night
- ii. Produces blue-white light that is safer because it is closer to natural daylight
- iii. 10X Longer Lasting. No need to replace for life of the vehicle
- iv. 35% less power consumption, thus generate much less heat during operation



## Color Temperature

Color Temperature is a measurement in Degrees Kelvin (K) that indicates the hue of light source. There is a misconception that color temperature is a rating of the brightness of the HID bulb. The truth is that the higher the color temperature, the less light output from the HID bulb.



However, all HID light is much brighter than Halogen, even if it is a 35W 12000K HID bulb, the light output still maintain well over 2700lm; which is still 300% brighter than 55W Halogen with 700lm.

## Color Temperatures in K (Degrees Kelvin)

