Instructions

(V.4 01.23.2012)

Type 1 - Single filament HID kit

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H1, H3, H7, H8, H9, H10 (9140,9145), H11, H12 (9040,9045,9055), 5202 (9009,H16), 880, 9005, 9006

These bulbs are used for low beam, high beam and fog light applications

Items included in HID kit:
(2) HID bulbs,
(2) 35-45W CAN BUS Digital Ballasts,
(1) Instruction Booklet.

NOTE: Due to NEW vehicles using the CAN BUS systems, BEAMERS HID Kits now use CAN BUS BALLASTS.

READ INSTRUCTIONS FULLY BEFORE INSTALLATION.

Do you have the correct kit?

1. BEAMERS HID KITS – use for everything with exceptions as per below *(example part number HID-H11-6K)*

2. INTERFACE KITS – If you are installing both LOW and HIGH BEAM into any JEEP, DODGE, and CHRYSLER. It facilitates plug-in simple installation. Note; an interface kit is in addition to the required HID kit(s), use BEAMERS PRO series

   Interface kit Part numbers / applications - **(Late 2005-2012 JEEP, DODGE AND CHRYSLER ONLY):**
   HID-INTKIT-D1 9005/9006 (quad lamp) HID interface kit
   HID-INTKIT-D2 H11/9005 (quad lamp) HID interface kit
   HID-INTKIT-D3 H13 (dual lamp) HID interface kit
   HID-INTKIT-D4 9007/9004 (dual lamp) HID interface kit

BEFORE YOU BEGIN

- ***We highly recommend NOT installing the BEAMERS HID kit into aftermarket headlight housings. The headlight housing may or may not be damaged by the HID kit and BEAMERS HID or the distributors are NOT responsible for any damage that may occur. Check with your aftermarket headlight housing company if you can use HID in them.***
- You need some or all of the following: vehicle disassembly tools, test light, multi-meter, wire strippers, wire soldering equipment etc
- Use dielectric grease on ALL connections. Some connections will have to be unplugged first.
- Do not mount ballast back to back.
- Mount the ballast and or control module/relay pack so that they are not exposed to excessive moisture or hot / moving parts inside the engine compartment.
- Grounding concern; bad ground can cause bulbs not to ignite (turn on). Also a poor ground can deteriorate any ballast because the current draw will be extremely high when the circuit is seeking ground and cause excessive heat in the ballast.

Step 1 Daytime Running Lights (DRL)

a.) Determine what type of DRL you have in your vehicle.
(1990 – Later vehicles have DRL's).

i) High beam (reduced voltage).
Or
ii) Low beam

b.) If you are installing low beam only and the DRL is on the high beam circuit of the vehicle, go to **STEP 2**

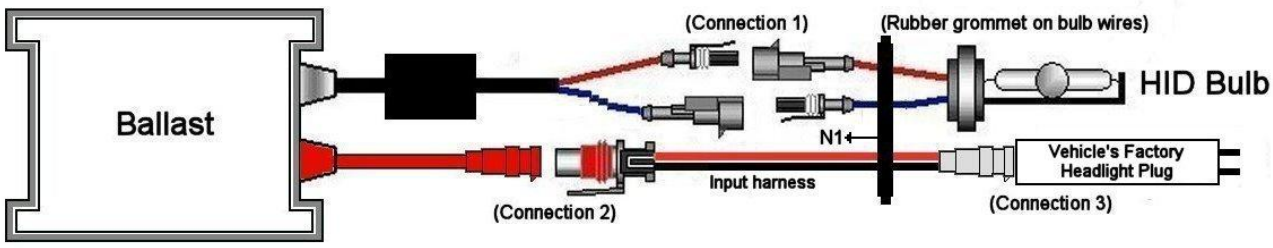
c.) If you are installing Low beam and the DRL is on the Low beam circuit of the vehicle, you will need to bypass your DRL. You may need to use a HID wiring harness (sold separately) - (Addendum 1) to bypass your DRL.

d.) If you are installing High beam and the DRL is on the High beam circuit you will need to bypass your DRLs (Daytime Running Lights)

Step 2 Installation of the HID bulbs

Remove factory bulbs from headlight housing and install HID bulbs into headlight housing. Be careful not to touch the glass part of the HID bulbs, the oil from your finger tips will cause the HID bulb to burn out.

Ballast and HID Bulb Installation Diagram



Step 3 Connect HID bulb to ballast,

See **CONNECTION 1** on *(Ballast and HID Bulb Diagram.)*

Step 4 Connections 2 and 3

1.) **Confirm the polarity of the INPUT harness (Connection 3)** and the factory headlight plug, confirm that the 12V HID kit power matches 12V on the factory headlight plug and the ground matches the HID kit to ground on the vehicle's factory headlight plug.

2.) ***Confirm the polarity of the INPUT harness to the ballast*** and to the vehicle factory headlight plug, see **CONNECTION 2 and 3** on Ballast and Bulb diagram.

***NOTES**:*

*a.) In some instances it will be more convenient to separate the **INPUT harness** from the rubber grommet. Cut rubber grommet at **N1** location. See Diagram for location of **N1**. Be careful not to cut into the wires of the HID bulb and the **INPUT harness.***

b.) *For 9005, 9006, on some vehicles the **INPUT harness** can be eliminated entirely to make the installation simpler.(eg.Plug Factory headlight harness into ballast)-**(CONNECTION 2).***

c.) *Due to variance in manufactures, situations can arise where you have the correct application yet the factory headlight plug may not match the **INPUT harness** **(Connector 3).** In these situations you will have to hard wire (Solder) 12V HID kit power to 12V on the factory headlight plug and the ground of the HID kit to ground on the vehicle's factory headlight plug.*

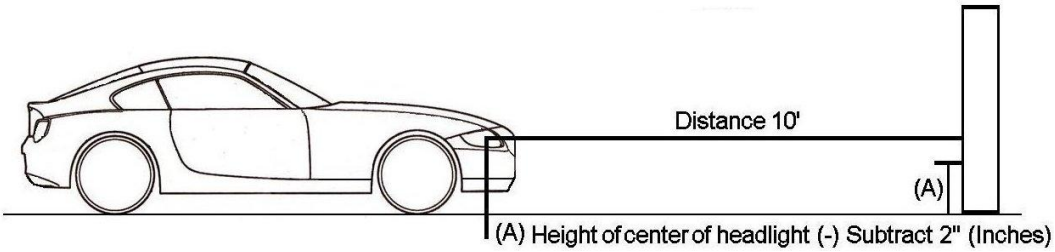
Step 5 After all connections are connected turn on your HID kit to ensure they are functional before continuing the installation process. If there is a problem with the HID kit not turning on see addendum 1 and FAQ section.

Step 6 Installation of Ballast

Please ensure that all connections are soldered and connected. Mount the ballast upright so that they are not exposed to moisture or hot / moving parts inside the engine compartment.

Step 7 Headlight Adjustment

Headlight Adjustment Diagram

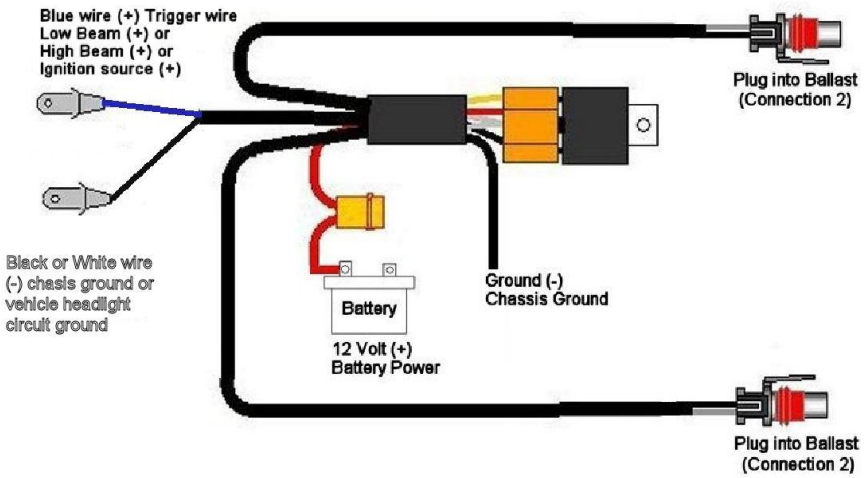


ADDENDUM 1

Optional Upgrade Harness Installation Diagram (sold separately and only used to solve problems)

Used for:

a. Bypassing DRL's by using a ignition trigger source, and increasing power supply to ballasts. If ballasts are starving for electricity at time of start-up they may not ignite. Installing an upgrade harness will increase power supply to ballasts and reduce failed start-ups. NOTE: Only use an upgrade harness if you encounter problems.



FAQ's Frequently asked questions and Problems

Add dielectric grease to ALL connections, this will prevent corrosion.

Q: Bulb too tight / will not fit into headlight housing.

A: The rubber gasket on HID bulb is slightly larger than some O/E bulbs, Solution: Exchange rubber gaskets from the O/E bulb to the HID bulb.

Q: One bulb occasionally does not turn on.

A1: Use / Install upgrade harness If problem persists check installation to see if there is a loose connection, Loose Fuse or bad ground (this will eliminate all power supply problems) If problem still persists, swap ballast one side for the other side, if problem moves, blast problem, if problem stays it is the bulb.

A2: Grounding concern; bad ground can cause bulbs not to ignite (turn on) and a poor ground can kill any ballast because the current draw will be extremely high when the circuit is seeking ground. Hence will heat up more than normal

Q: HID kit installed into a Chevrolet / GMC vehicle followed the instructions and plugged in and connections are all good, but my HID kit does not turn on.

A: Power and ground are reversed on the Chevrolet / GMC plug, Solution: is to reverse the wires on the HID Input harness. (Cutting / Soldering will be required)

Q: Lights do not turn on when HID kit is installed correctly.

A: ***Check the polarity*** of plugs going into ballast and the factory vehicle's plug to make sure it matches the polarity of the HID. Car manufactures have different wire configurations on the factory harness.

Q: Radio reception decreased after HID kit installed.

A: Insulate HID ballast from metal of vehicle, use foam tape on back of ballast and zip ties to install ballast. Do not use screws to install ballast.

Q: Temporary Darkness when switching from Low to High Beam

A: 1) Acquire and install HID-WH-D2 harness. This will keep low beam and high beam on when high beam is activated. Instructions are included with harness

2) Install optional upgrade harness (see upgrade harness chart for part number), then install as per addendum 1 of this instruction manual. Running +12volt to the ignition source, this keeps low beam on continuously

Q: Premature ballast burn out – only lasts a short time

A: Grounding concern; bad ground can cause bulbs not to ignite (turn on). Also a poor ground can kill any ballast because the current draw will be extremely high when the circuit is seeking ground and will generate excessive heat.

Q: Can I use Beamers HID kit into aftermarket headlight housing?

A: We highly recommend **NOT** installing the BEAMERS HID kit into aftermarket headlight housing. Check with your aftermarket headlight housing company if you can use HID in them.

Lamp - out warning in instrument cluster

Q: Hid kit installed correctly and is working properly, but I have a “Lamp out” light on my dashboard.

A: 1) You may need to use CANBUS series ballast. Depending on the vehicle you are installing.

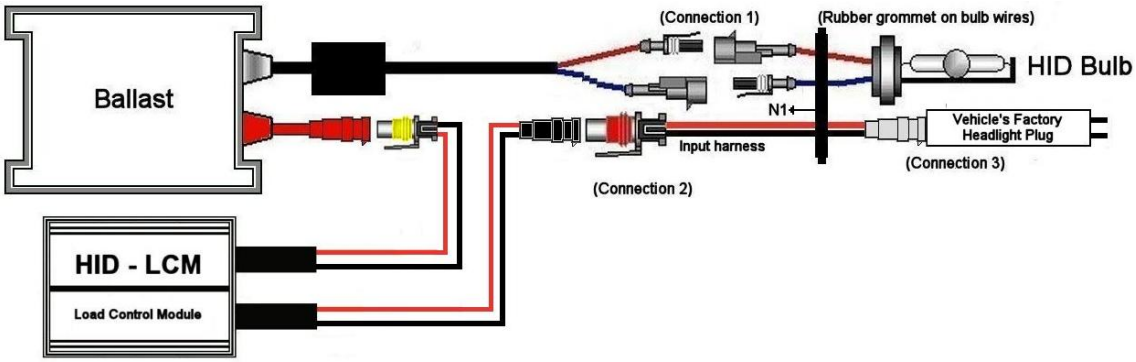
2) You will have to install the Load Control Module (Part Number: HID – LCM) to cancel the “Lamp Out” light on your dash. One will be required for each headlight circuit on your vehicle’s factory harness.

NOTE: Some vehicles do not have a true ground in the headlight circuit; it is a ‘reference ground’ only. In this case chassis ground will have to be used.

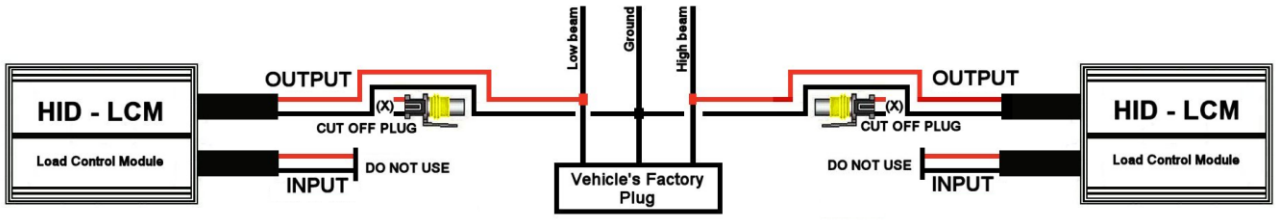
HID LCM (Load Control Module) Installation Diagram

(Note: Only one side is shown only, BOTH sides must be installed)

- If you use plug-n-play install method (diagram below).



- If you used a wire harness to install, you will need to solder the HID-LCM onto the vehicle harness. It is the vehicle that needs to see the correct current draw.



Flickering

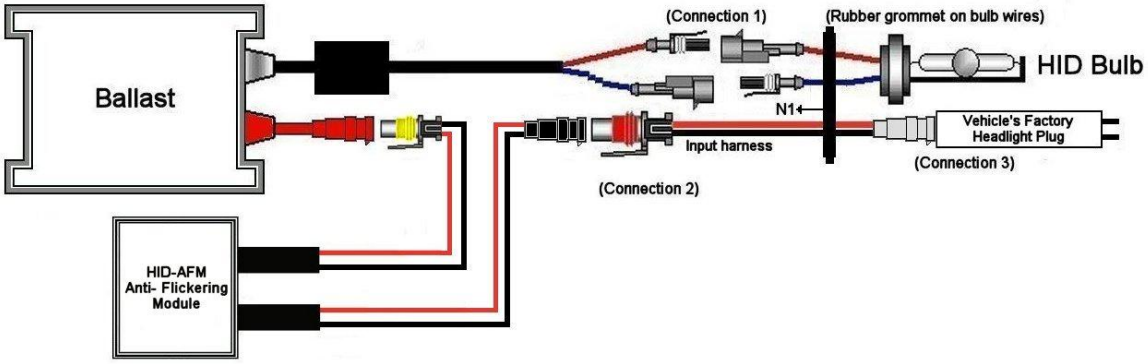
Q: Lights flicker when turned on. (Pulsing)

A: 1) Are DRL’s bypassed? Are they on the same circuit that the lights are flickering on?
2) You may need to use CANBUS series ballast. Depending on the vehicle you are installing.
3) Install HID-AFM – Anti-Flickering Module. Depending on the vehicle you are installing.

Option 1 - Plug n Play Application - Only used on single filament HID kits without using a wiring harness.

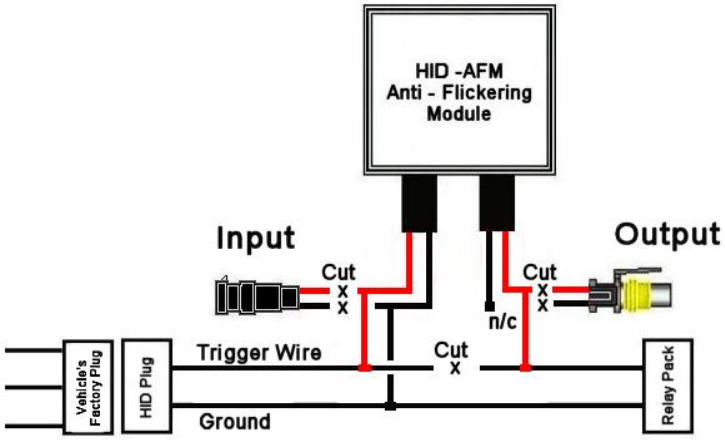
HID AFM (Anti Flickering Module) Installation Diagram

(Note: has to be done for each circuit)



Option 2 - If you are using a wiring harness

(Note: Must be installed to each trigger wire – Low beam and /or High beam)



Limited Warranty:

BEAMERS HID warrants to the original purchaser only (non-transferrable) that the HID kit shall be free from defects in material and workmanship for as limited 1 year, as the original purchaser continuously owns that vehicle in which the HID kit was originally installed (Proof of purchase is required). Only the faulty component will be replaced, not the whole kit.

This excludes defects resulting from misuse, abuse, neglect, alteration, modifications, improper installation, unauthorized repairs, submersion, theft, and vehicle crash or by any type of impact.

NOTE: Neither the manufacturer or distributor of this HID kit is responsible for damages of any kind indirectly or directly caused by this HID kit, except for replacement of this HID kit