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HellFire Jeep Wrangler JK 6000K HID Headlight Upgrade Installation Instructions

Thank you for your purchase! These installation instructions specifically DO NOT instruct you on where to run/hide your HID wires or where to mount your ballasts in your engine bay. There are simply too many different ways to accomplish the same task.

Every Jeep's engine compartment is a little different due to accessories, intake systems, etc. and in this case – one size does not fit all. Instead, these instructions give you the basic guides, safety instructions, and troubleshooting tips to guide you down the right path. Let's begin!

WHAT'S IN THE BOX:

- Jeep Wrangler JK Specific Wiring Harness
- 2 HID Ballasts
- 2 6000K HellFire HID Bulbs (hi/low beam)
- Zip Ties

TOOLS NEEDED:

- 10mm Socket
- Flat Head Screwdriver
- T10 Torx Driver
- Wire Cutters/Snips
- Electrical Tape

BEFORE YOU BEGIN:

1. High voltage is DANGEROUS! Do not attempt to work on your Jeep if you have exposed or damaged electrical cabling.
2. Do not switch on lights until vehicle engine has started.
3. Always allow the lights to cool down before handling.
4. Turn off ignition and lights; allow the engine and headlights to cool down.
5. NEVER touch your HellFire bulb. The oil from your skin will actually boil when the light is activated and damage your bulb.

INSTALLATION INSTRUCTIONS:

1. Remove your negative battery cable using a 10mm socket or wrench.
2. Remove front grill using a flat head screwdriver to safely pry up the plastic body clips along your radiator support. Pull grill back enough to allow access to headlight retaining screws.
3. Remove 4 T10 Torx screws holding each headlight in place. Unplug each headlight from the factory harness.
4. Remove factory bulbs, ensuring you do not touch glass. They should easily twist and unlock from the headlight housing.
5. Install your HellFire HID bulbs into your headlight housings at this time. This way they are installed, out of the way, and less likely to be touched or damaged.
6. Using electrical tape, wrap and cover your passenger, chassis side headlight harness. It will not be used.
7. Install your passenger side HID headlight into the HID ballast, connect ballast to harness (the longer side of the harness cable.) Route wire safely to ensure it does not contact moving parts in your engine bay.
8. Safely secure ballast to chassis.

9. Connect ground wire to a safe, clean location on the passenger side chassis.
10. Install your driver side HID headlight into the HID ballast, connect ballast to harness* (the shorter side of the harness cable.) Route wire safely to ensure it does not contact moving parts in your engine bay.
11. Safely secure ballast and harness pack to chassis.
12. Connect ground wire to a safe, clean location on the driver side chassis.
13. Reinstall headlights using 4 T10 Torx screws.
14. Connect 12v power wire from HID harness to battery.
15. Reconnect ground cable on battery.
16. Ensure all tools, wires, and body parts are clear from engine bay. Start your Jeep. Turn on low-beam headlights and leave on for 10 minutes to allow bulbs to warm up for first time. This helps ensure they warm to the same color. Lights may take up to 30 seconds to reach full brightness. If they look great – smile. If not, we'll get to that in troubleshooting.
17. After 10 minutes, it is now safe to turn on and off your headlights and use your hi-beams.
18. Turn off Jeep.
19. Reinstall grill. If you did not lose any of the plastic body screws, pat yourself on the back.
20. Congratulations!

TROUBLESHOOTING

Even the billion dollar space program has hiccups, but together – we will figure this out.

MY HI BEAM AND LOW BEAM ARE REVERSED

We should have caught that for you. If you unplug your harness pack, look at it from the top, the wiring should be RED/RED/RED/WHITE/BLUE/TAN/RED/RED/BLACK/BLACK. If not, please re-pin the *white harness plug*.

NOTHING HAPPENS

Did you ensure your battery power and ground are securely connected? Please also ensure no wires are cut, crimped, or damaged.

MINOR STATIC FEEDBACK IN RADIO WHEN HID'S ARE ACTIVATED

Check your HID ground wire connections. Most likely they are not secure or "metal to metal." Have you heard of CD's or MP3's? Great alternative to AM/FM.

I TOUCHED THE HID BULB – NOW WHAT?

The world isn't over. Try to clean the bulb with a soft cloth as best as possible. Your warranty is voided, but the bulb is salvageable.

*Some 2011 JK's have short chassis headlight plugs. Our HID plug may not snap in place. Simply connect and wrap the plugs in electrical tape and continue install.