

**LAUNCH**  
**PERFORMANCE**

xenon conversion kit  
**INSTALLATION GUIDE**

For best performance, it is recommended you have  
your HID kit installed by a professional.

Contact

ph / fax 1.888.582.2942  
www.gthid.ca  
gthid@launchtec.ca



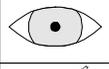
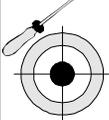
Please read installation guide completely before installing.  
Check local laws regarding the use of HID lights.  
This product is intended for off road use only.

Certifications

CE E4  
E4-10R-020620  
ISO 9001:2000

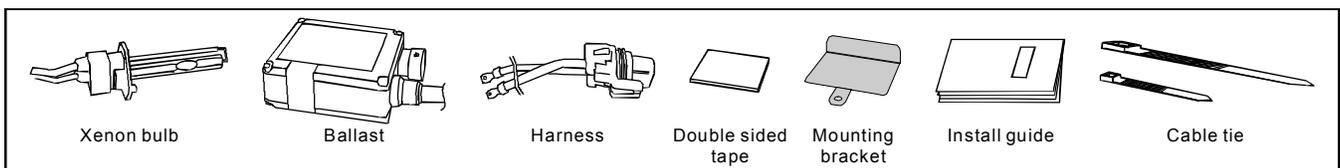
Thank-you for choosing GT HID. Please read all the safety and operating instructions before installing your HID kit to avoid personal injury and damage to the HID system.

### Important Safety Instructions

	<ul style="list-style-type: none"> <li>Do not touch the HID bulb. If you touch the bulb during install, clean with alcohol.</li> </ul>
	<ul style="list-style-type: none"> <li>Do not look directly into bulb when it is turned on as it may cause permanent damage to your eyes.</li> </ul>
	<ul style="list-style-type: none"> <li>Headlights must be adjusted after installation. HID bulbs are much brighter than halogen bulbs. By not adjusting your headlights, you may reduce the visibility of oncoming traffic due to glare. If you do not know how to adjust your headlights, please consult a professional.</li> </ul>

- Retain instructions for future reference and warranty.
- Do not drop or apply unreasonable force to your HID components as it may damage them. If damage is discovered, discontinue use and contact your retailer. Do not use the system until the problem is solved to avoid electric-shock or fire.
- This equipment generates 20,000 volts when activated. Do not use wet or oily hands when installing or inspecting the system. Doing so may cause serious burns or electric-shock.
- Make sure connectors and wires are secure and away from any hot surfaces. Wires that are loose or resting against a hot surface may cause an electrical hazard.
- Do not turn on the bulb near flammable material when it is outside of headlight housing.
- Do not turn lights on/off rapidly. Doing so may reduce the life span of your bulbs.
- Do not install HID in any housing with cracks. Moisture may damage bulbs or cause shock.

### Components



### Pre-test Before Install

- Before you install your HID kit, ensure compatibility by plugging in all the wires and turning the system on (refer to the diagrams on page 2). If you experience any problems, refer to our FAQ guide at the back of this book.
- When checking for DRL issues remember to release park break if a manual transmission and for automatic remember to put the vehicle in first gear, this activates the DRL, then test
- If the bulb flickers during the test then turn them off immediately. Continued use will damage the bulb. Disable the day time running light system by removing the DRL relay or DRL fuse. Some vehicles you can not disable the DRL and you will require a DRL harness.

	<p><b>Disconnect battery prior to installation.</b></p> <p>If you require a BMW harness please be aware that they are polarity sensitive.            Yellow wire = Positive (+) Blue wire = Negative (-)</p>
<b>NOTICE</b>	

## Checking The Interior Size Of Housing

HID bulbs require a diameter of 15 mm and an interior depth of 56 mm. This kit may not be installed on a vehicle if this size does not fit inside the housing. Contact your retailer for more information.

<h3>Cross-Section of Headlight Housing with Shade</h3> <p>Part A = minimum 15mm Part B = minimum 56mm</p>	<h3>Rear View of H1 Socket Headlight Housing</h3> <p>If HID bulb is slightly bigger than the halogen bulb socket, cut the shaded area according to the picture. Use a file to increase hole to 12 mm.</p>
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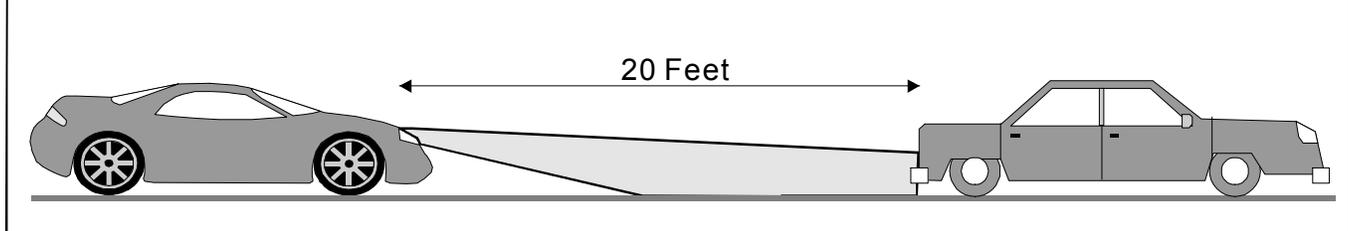
<h3>Basic Install</h3>	<h3>With DRL/Moving Harness</h3>
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### How To Adjust Your Headlights

- 1) Park on a level surface 20 feet behind another car and turn on your headlights.
- 2) Make sure the cut off of the beam is just above the bumper on the car in front (please refer to bottom image).
- 3) To make sure the headlights are evenly adjusted, you should point your car at a flat wall about 20 feet away and adjust the lights so they line up.

### Mounting Ballast

- A. Use the double sided tape to secure the ballast on the mounting bracket.
- B. Use cable ties to secure the ballast as pictured.
- C. Find a suitable location to mount the ballast that is away from heat and engine belts or fans.



**We recommend you have your HID kit installed and adjusted by a professional for best performance.**

## Frequently Asked Questions

**Q: When I connect the kit it does not turn on, but when I connect it straight to the battery it turns on. Why is that?**

**A:** Some vehicles are wired backwards; with a halogen bulb it doesn't matter what way the power is connected, negative to positive or positive to negative because it is a filament. An HID kit is polarity sensitive so it can only be connected one way. Simply flip the plug that powers the ballast. Connecting the ballast backwards will not damage the unit.

**Q: I start my car with the HID kit turned on and one or both of the lights turn off.**

**A:** The lack of power and pulsing voltage when your starter is cranking may activate the safety circuit in the ballast and turn one or both off to protect itself.

Solution: a. Start car with headlights turned off  
b. Install an autolamp/DRL relay harness to supply more power

**Q: Does my car require a autolamp/DRL (day time running lights) harness?**

**A:** 1) If your car has headlights that turn on automatically when it gets dark then you may require a harness.  
2) If your DRL and your low beam share the same circuit it may only output 50% to 80% power when your DRL is active and will cause your lights to flicker. That lack of power is not enough to activate the HID ballast, requiring a autolamp/DRL relay harness. In some vehicles, you can remove the DRL relay or fuse to disable your DRL. This will stop your lights from flickering when you start your car.  
- If you are able to disable your DRL then you will not need a autolamp/DRL harness.  
3) If you have a vehicle that has a headlamp malfunction sensing system you will require a BMW harness, check the online forum at the bottom of the page for a list.

## Troubleshooting Guide

**Issue: The lamp does not light up.**

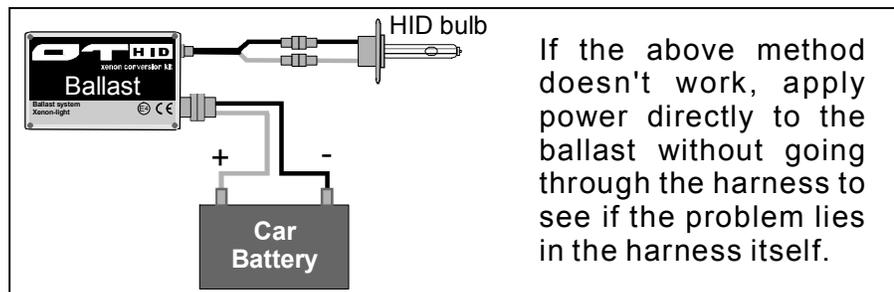
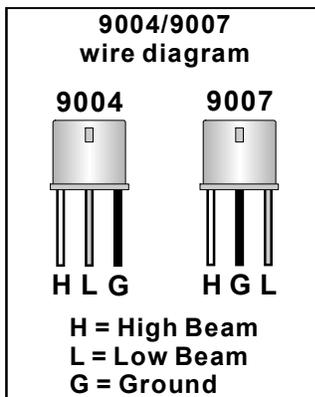
**Solution:** Check if all connections are well connected. Use a multi-meter to test if polarity and the connections of the wires are correct and that you are getting 12V.

**Issue: One lamp off or is flickering.**

**Solution:**

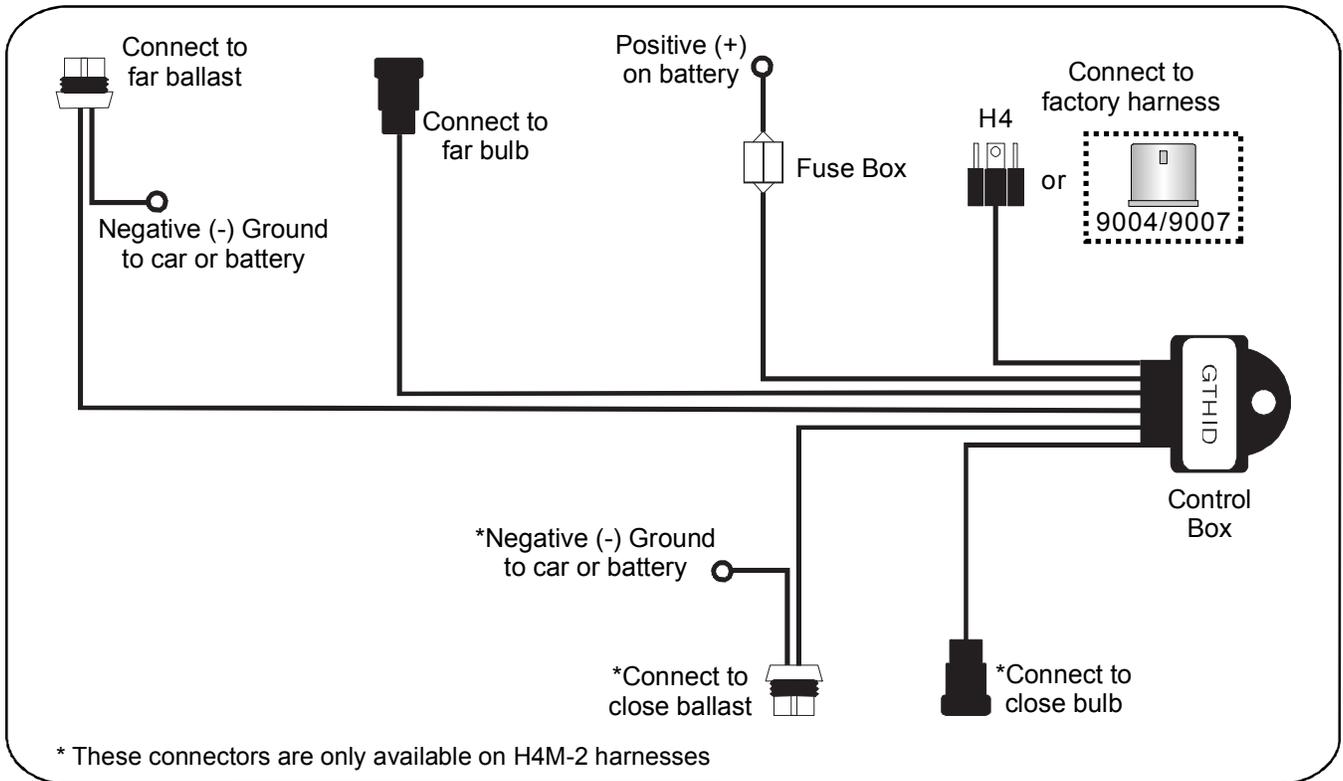
- 1) Disconnect the power source and replace the bulb or ballast to judge where the problem lies.
- 2) You may need an autolamp/DRL harness, as your factory wires are insufficient gauge, and do not have enough power to turn on both lamps at the same time.

\*If no solutions are found a DRL or relay can be installed and the activation switch for the relay can be wired to the vehicles ignition or to a manual toggle switch (thus bypassing the headlight switch and any DRL problem circuit completely.)



More troubleshooting information can be found on  
[www.launchtec.ca/forum/index.php](http://www.launchtec.ca/forum/index.php)

# H4M and 9004/9007M Wire Diagram



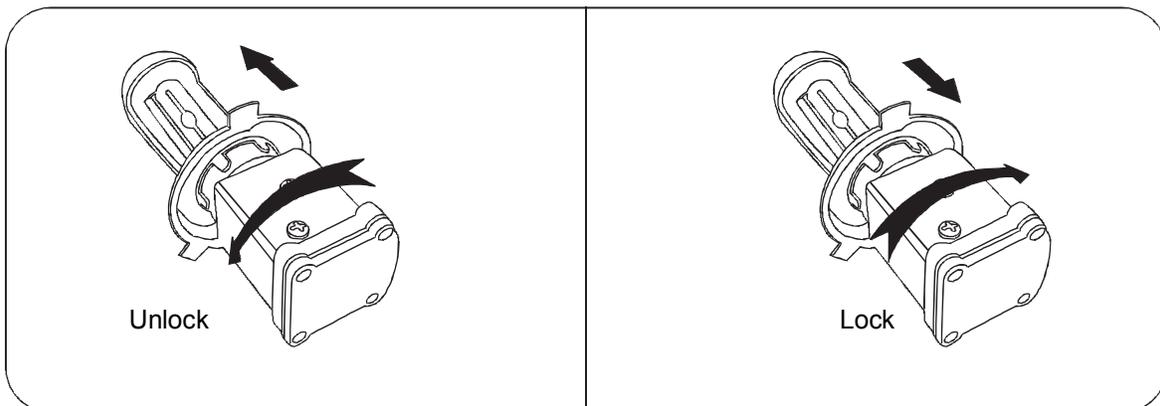
HID Bulb

Ballast Connector

Harness Connector

### How to install the bulb

1. Take off bulb case by turning clockwise.
2. Remove bulb shade by turning counter clockwise then pulling up. Be careful not to scratch bulb.
3. Remove bottom part of bulb case.
4. Insert bulb shade into headlight housing and clip into place.
5. Take note of notch inside shade and match up with bulb while you insert bulb back into bulb shade.
6. When bulb is inserted to bulb shade turn clockwise to lock.
7. Plug connectors to ballast and harness



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