

FLASHTECH

SERIOUS LIGHTING TECHNOLOGY™

F3S FUSION LED HEADLIGHT & FOG LIGHT INSTALLATION MANUAL



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INSTALLATION OVERVIEW

Flashtech F3S Fusion LED Headlight and Fog Light bulbs replace your vehicle's factory lighting with a simple plug and play installation. Installation instructions can vary by bulb size. Please follow the steps for the particular bulb size being installed. Thank you for purchasing Flashtech lighting products and get ready to experience crystal clear 6000K light output!

Product Specifications:

Operating Voltage: 9 - 32V

Waterproof Rating: IP68

Light Source: F3S Fusion CSP LED

Color Temperature: 6000k

Housing Material: Aircraft Grade
6061 Aluminum

Life Span: 50,000+ hours

H1 / H3 / H4 / H7

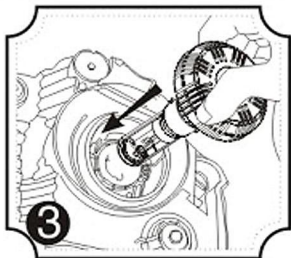
Remove the base
of the bulb.



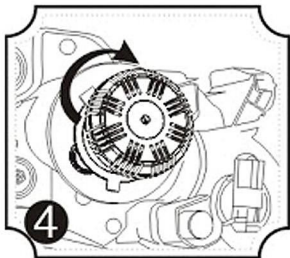
Align the base of the bulb in
the factory socket and use
the metal clamp to lock it
into place.

H1 / H3 / H4 / H7

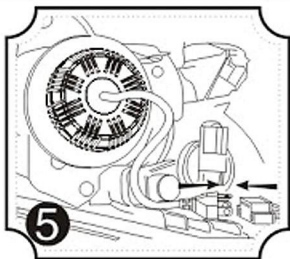
Install the bulb back into its base.



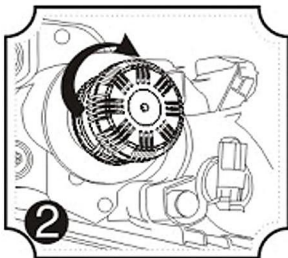
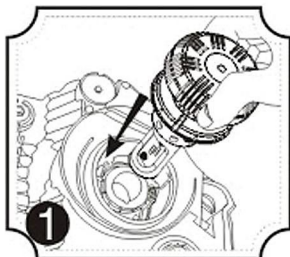
Make sure the bulb is completely seated into its base and rotate 45 degrees clockwise.



Complete the installation by connecting the wiring harness to the factory plug.



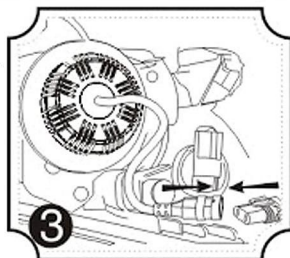
Insert the bulb into the factory headlight socket.



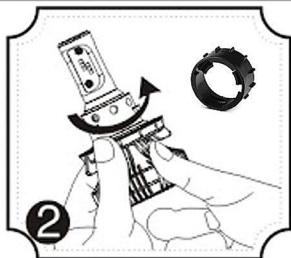
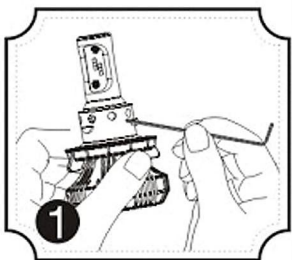
Make sure the bulb is completely seated in the headlight socket and rotate 45 degrees clockwise.

*5202 bulb size does not twist in, but rather locks into place by pressing both plastic tabs.

Complete the installation by connecting the wiring harness to the factory plug.

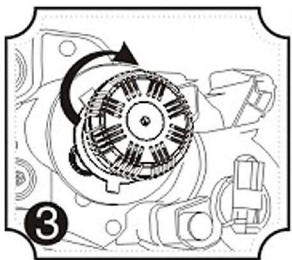


Unscrew the base of the bulb by removing the set screw with the supplied allen wrench

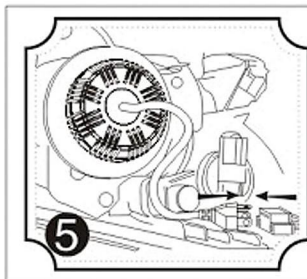


Remove the base of the bulb and slide the factory locking ring into place. Once in place reinstall and tighten the base of the bulb.

Make sure the bulb is completely seated into the headlight socket and rotate the factory locking ring 45 degrees clockwise.



9004 / 9007

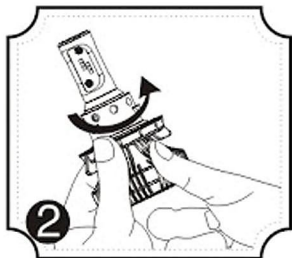
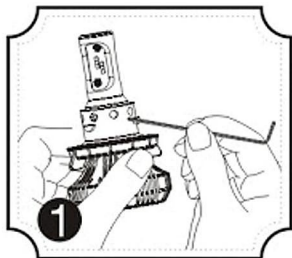


Complete the installation by connecting the wiring harness to the factory plug.

Bulbs come pre-wired for 9007 wiring applications. 9004 applications will need to swap the low beam and ground wires to function properly

H13/ 9004 / 9007 Beam Pattern Adjustment

H13, 9004, and 9007 beam pattern can be adjusted by loosening the base set screw, rotating the base, and tightening at the desired location.



TROUBLESHOOTING

Flashtech F3 Fusion LED Headlight and Fog Light bulbs have been designed to offer hassle free installation and service. If you are experiencing a problem, please follow the troubleshooting tips below.

Q: Bulb(s) will not turn on or flicker after installation.

A: Please check the following items.

- Check the fuse associated with the item being installed. A blown fuse will not allow power to reach the bulb. Replace fuse if it is burnt out.
- Check all connections from the led bulb going into the factory plug. Loose connections can cause the bulb to turn on intermittently or not at all. Tighten all connections.
- Make sure the vehicle's battery is providing at least 12 volt DC power. A weak or dead battery can cause the led bulb to flicker or not turn on. Charge or replace the battery.

Q: Why does my bulb(s) still continue to flicker or immediately turn off after powering on?

A: Canbus Electrical systems, found on some newer vehicles, is the most common reason associated with headlight or fog light flickering issues. A Canbus system is a network of sophisticated electronic control units which monitors all aspects of a vehicle. This system will often interfere with aftermarket bulbs causing the flickering or shutdown issues.

Q: How can I fix canbus related flickering or shutdown issues?

A: Flashtech has designed a plug and play canbus adapter to rectify this issue. To purchase a pair of adapters locate the bulb specific part number below and contact your original place of purchase to order. These items can also be purchased directly from Flashtech online at www.flashtechusa.com

<u>PRODUCT NAME</u>	<u>PART #</u>
H1 Canbus Adapter	FTCA-H1H3
H3 Canbus Adapter	FTCA-H1H3
H4 Canbus Adapter	FTCA-H4
H7 Canbus Adapter	FTCA-H7
H11 Canbus Adapter	FTCA-H11
H13 Canbus Adapter	FTCA-H13
9005 Canbus Adapter	FTCA-956H10
9006 Canbus Adapter	FTCA-956H10
9007 Canbus Adapter	FTCA-9007
5202 Canbus Adapter	FTCA-5202
P13W Canbus Adapter	FTCA-P13W

Visit www.flashtechinfo.com for additional installation documents, questions or comments.

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2932 LIME ST
METAIRIE, LA 70006
FLASHTECHLIGHTING.COM