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SOCKIR FF09-12

SOCKIR HID Headlight Instruction Manual

For 2009-2012 Ford Flex (Right Passenger Side)

Brand: SOCKIR | Model: FF09-12

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your new SOCKIR HID Headlight assembly. Please read this manual thoroughly before attempting any installation or use to ensure safety and optimal performance. This specific headlight is designed for the **Right Passenger Side** of 2009-2012 Ford Flex models equipped with HID headlight systems.



Image 1.1: The SOCKIR HID Headlight Assembly for Ford Flex.

2. PRODUCT OVERVIEW AND FEATURES

The SOCKIR HID Headlight assembly is engineered to meet SAE & DOT standards, providing reliable and durable lighting for your vehicle. Key features include:

- **High-Quality Lens:** Constructed with durable polycarbonate lenses, offering excellent protection against road debris and impacts.
- **Waterproof Design:** Fully sealed with solid silicone and designed with one-way vents to prevent moisture accumulation, ensuring performance in all weather conditions.
- **Enhanced Visibility:** Features metal parabolic reflectors for increased light output and wider, smoother beams. Side microprism reflectors improve visibility to other vehicles.
- **Adjustable Beam Angle:** Includes a high/low beam adjuster to customize the lighting angle according to your driving needs.

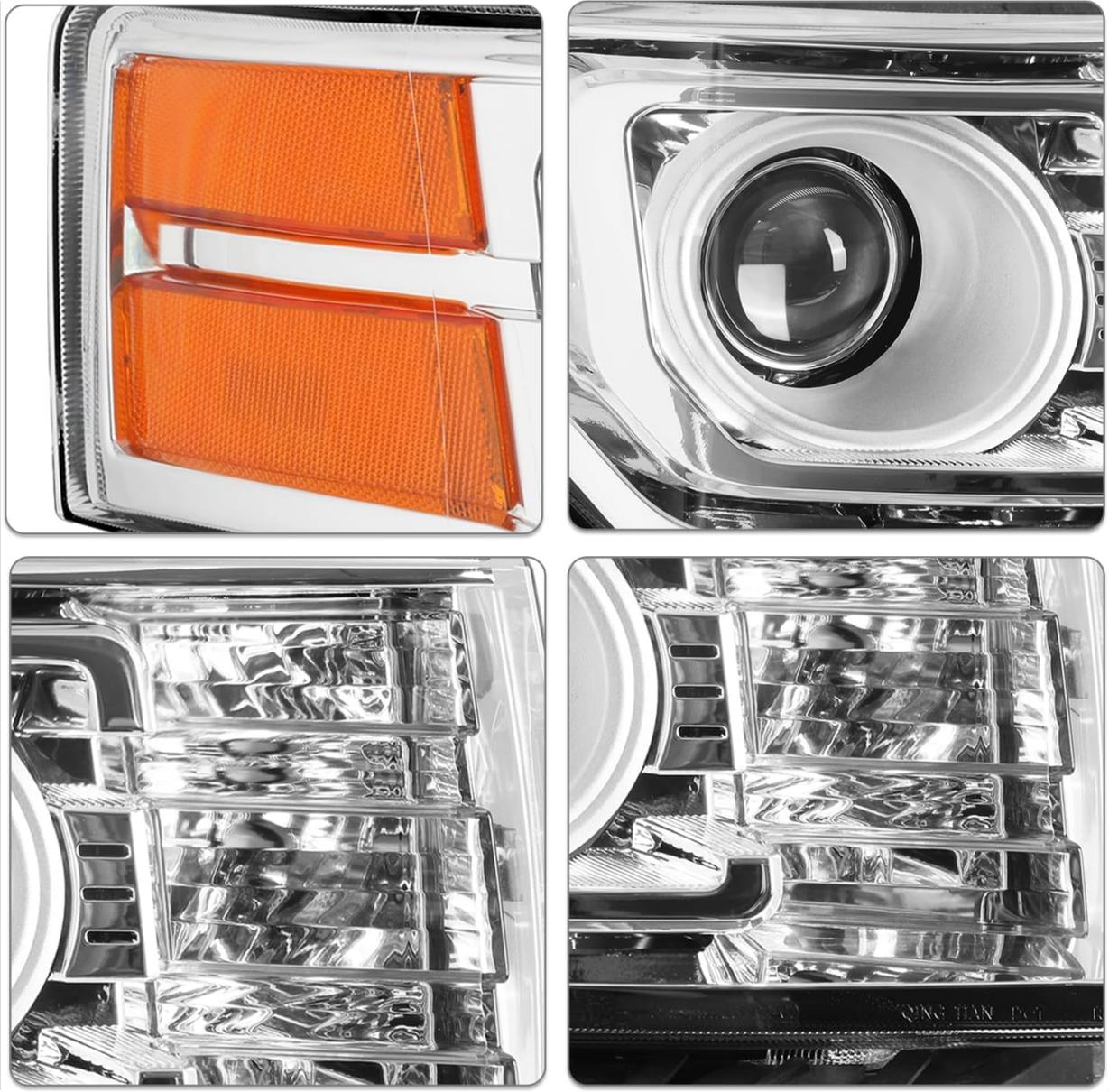


Image 2.1: Close-up of the headlight's lens and reflector design.



Image 2.2: Rear view highlighting the adjusting screw and one-way vent.

Bulb Information (Not Included)

This headlight assembly is designed for specific bulb types, which are **not included** with the unit. Please ensure you have the correct bulbs before installation:

- **High / Low Beam:** D3S
- **Signal Light:** 3457A
- **Side Marker Light:** LED (Included)



Image 2.3: Diagram illustrating the required bulb types for the headlight assembly.

Product Video Overview

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Video 2.1: An overview of the SOCKIR Direct Fit Ford Headlamp Assembly, showcasing its features and manufacturing process.

3. COMPATIBILITY

This SOCKIR headlight assembly is specifically designed for the following vehicle models and configurations:

- **Vehicle:** Ford Flex
- **Model Years:** 2009, 2010, 2011, 2012
- **Headlight Type:** Fits HID Headlight Models ONLY (Xenon)
- **Compatible Trims:** Flex Limited, Limited w/EcoBoost, Titanium, Titanium w/EcoBoost
- **Side:** Right Passenger Side

Important: Verify your vehicle's existing headlight system uses HID (High-Intensity Discharge) and has a 5-pin connector. This product is not compatible with halogen models or 2-pin connectors.

COMPATIBLE WITH

2009-2012 Ford Flex

Fits HID / Xenon Headlight Models Only

Compatible with Flex Limited / Limited w/EcoBoost

/ Titanium / Titanium w/EcoBoost Models



Image 3.1: Visual representation of the compatible Ford Flex model.



Image 3.2: Connector comparison: Ensure your vehicle has a 5-pin HID connector.

OEM Part Number: 8A8Z13008E

4. INSTALLATION

This headlight assembly is designed for direct bolt-on OE fitment, requiring no modification or drilling. However, professional installation is highly recommended due to the complexity of automotive electrical systems and the importance of proper headlight alignment.

General Installation Steps (Consult a professional or vehicle-specific repair manual for detailed instructions):

1. **Safety First:** Disconnect the vehicle's battery before starting any electrical work.
2. **Access Headlight:** Depending on your vehicle model, you may need to remove the front bumper or other components to access the headlight assembly.
3. **Disconnect Wiring:** Carefully disconnect all electrical connectors from the existing headlight assembly.
4. **Remove Old Headlight:** Unbolt and remove the old headlight assembly. Note the location of all mounting points.
5. **Install New Headlight:** Position the new SOCKIR headlight assembly into place. Ensure all mounting

tabs align correctly.

6. **Secure Headlight:** Bolt the new headlight assembly securely. Do not overtighten.
7. **Connect Wiring:** Reconnect all electrical connectors. Ensure a snug and secure fit for the 5-pin HID connector.
8. **Install Bulbs (if not pre-installed):** Insert the D3S high/low beam bulb and 3457A signal light bulb into their respective sockets. The LED side marker light is included.
9. **Test Functionality:** Reconnect the battery and test all headlight functions (low beam, high beam, turn signal, side marker) before reassembling any removed body panels.
10. **Aim Headlights:** Proper headlight aiming is crucial for safe driving. Adjust the beam angle using the adjusting screw on the back of the housing (refer to Image 2.2) to ensure correct alignment. This should ideally be done by a professional.

Note: Installation instruction is not included with the product. Professional installation is strongly recommended to ensure correct fitment and functionality.

5. OPERATION

Once installed, your SOCKIR HID Headlight operates in conjunction with your vehicle's existing lighting controls. Familiarize yourself with your vehicle's owner's manual for specific instructions on operating the headlight system.

- **Low Beam:** Provides standard illumination for general driving conditions.
- **High Beam:** Offers maximum illumination for driving in dark areas where no oncoming traffic is present.
- **Turn Signal:** Activates the amber signal light to indicate turns or lane changes.
- **Side Marker Light:** Provides additional visibility of your vehicle from the side.

Ensure all lights are functioning correctly before driving, especially at night or in adverse weather conditions.

6. MAINTENANCE

Regular maintenance helps prolong the life and performance of your headlight assembly.

- **Cleaning:** Clean the outer lens regularly with a soft cloth and mild automotive-approved cleaner. Avoid abrasive materials or harsh chemicals that could scratch or damage the polycarbonate lens.
- **Inspection:** Periodically inspect the headlight for any signs of damage, cracks, or loose connections.
- **Moisture Check:** While the headlight is designed with one-way vents to prevent moisture, occasionally check for excessive condensation inside the housing. If persistent moisture is observed, consult a professional.
- **Bulb Replacement:** If a bulb (D3S or 3457A) fails, replace it with a new bulb of the correct type and wattage. Refer to your vehicle's service manual for specific bulb replacement procedures.



Image 6.1: The headlight's waterproof design ensures reliable performance in diverse weather conditions.

7. TROUBLESHOOTING

If you encounter issues with your SOCKIR HID Headlight, consider the following common troubleshooting steps:

- **Light Not Working:**
 - Check the bulb: Ensure the D3S or 3457A bulb is correctly seated and not burnt out.
 - Check connections: Verify all electrical connectors are securely attached.
 - Check fuses: Consult your vehicle's owner's manual for the location and inspection of relevant fuses.
 - Check ballast (for HID): Ensure the HID ballast (if external) is functioning correctly.
- **Flickering Light:** This can often indicate a failing HID bulb or ballast.
- **Condensation Inside Lens:** Small amounts of condensation can occur due to temperature changes and should dissipate. Persistent or excessive moisture may indicate a seal issue. Ensure the one-way vent is clear.
- **Improper Beam Pattern:** The headlight may require aiming adjustment. This is best performed by a

qualified technician.

For complex issues or if troubleshooting steps do not resolve the problem, it is recommended to seek assistance from a certified automotive technician.

8. SPECIFICATIONS

Feature	Detail
Brand	SOCKIR
Model Number	FF09-12
OEM Part Number	8A8Z13008E
Vehicle Service Type	Car (Ford Flex 2009-2012 HID Models)
Auto Part Position	Front, Right Passenger Side
Light Source Type	Xenon (HID)
Voltage	12 Volts (DC)
Lens Material	Polycarbonate
Lens Color	Clear
Special Feature	Waterproof (IP65)
Item Dimensions (L x W x H)	21.85 x 12.99 x 10.63 inches
Item Weight	7 pounds

9. WARRANTY AND SUPPORT

SOCKIR stands behind its products. This headlight assembly comes with a **1-Year Limited After-Sales Service** and a **30-Day Free Return** policy.

If you encounter any problems or have questions regarding your product, please contact SOCKIR customer support via Amazon. Ensure you have your purchase details readily available for faster assistance.