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THE SCIENTISTS OF LIGHTING

**1996-2013 Harley-Davidson Street Glide/Road King
DOT LP6 Headlight Kit
(44-8329 (White), 44-8331 (Amber))**



2950 Norman Strasse San Marcos, CA 92069 Phone 760-560-2252 X3 • Fax
760-560-0383 info@bajadesigns.com • www.bajadesigns.com

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KIT CONTENTS

QTY	COMPONENT
1	Mounting Bracket – Single DOT LP6
1	6/32 x 5/8" Screw - Long



TOOLS REQUIRED

1/4 in. Allen wrench (T-handle preferred) | Phillips Size #10 Screw Driver | 7/16 Wrench

BEFORE YOU BEGIN

WARNING: Before starting the installation, disconnect the battery power. Be sure to protect painted surfaces and support the outer fairing during removal. Follow the motorcycle manufacturer's service guidelines for safely handling the battery and fairing. The instructions indicate that the DOT LP6 kit replaces the entire factory headlight assembly.

STEP 1 | REMOVE FACTORY LIGHT ASSEMBLY

Remove the factory headlight trim ring, headlight assembly, and OEM mounting bracket from the fairing. Retain all factory hardware, as several components will be reused during installation.

STEP 2 | DISCONNECT OEM COMPONENTS

Carefully disconnect the factory headlight connector from the OEM headlight assembly. Save the OEM hardware as this will be use to reassemble the light. Inspect the OEM connector and wiring for damage or corrosion before proceeding.

STEP 3 | ASSEMBLE DOT LP6 MOUNTING BRACKET

Using the supplied hardware, install the DOT LP6 light to the provided adapter bracket. Leave mounting hardware slightly loose to allow for final beam alignment after installation.

STEP 4 | INSTALL BRACKET & HARDWARE

Position the DOT LP6 bracket assembly into the factory headlight opening. Align mounting locations with the original factory mounting points and reinstall the retained OEM hardware (1/4 x20 Bolts).

STEP 5 | CONNECT WIRING

Connect the DOT LP6 harness to the motorcycle's OEM headlight wiring system.

STEP 6 | VERIFY CLEARANCE

Before tightening hardware, check for adequate clearance between the DOT LP6 housing, fairing, wiring harness, and all surrounding components. Confirm that no wiring is pinched during steering movement.

STEP 7 | SET HEADLIGHT AIM

With the motorcycle positioned on a level surface and held upright, adjust the dot LP6 assembly to approximately 87.5° as specified in the original installation procedure. Verify the lamp is centered within the fairing opening. Once the level is achieved, pull the assembly back out and fully tighten the 4 bolts using a 7/16 wrench.

STEP 8 | SECURE HARDWARE

Locate the spring on the inside top portion of the light bezel trim ring. With a small 6/32 Phillips pan head screw in hand, position the trim ring so that the spring is at approximately the 11:00 position. Rotate the trim ring clockwise (to the right) until the spring hooks into place. Then, insert the screw underneath the trim ring, aligning it with the threaded hole. **Do NOT** over-tighten this screw, as it may cause the trim ring to crush. Tighten it just until it feels snug.



FINAL CHECK

- All mounting hardware is installed and secure.
- Headlight pivots/aims correctly and does not have side-to-side play.
- Harness is secured away from sharp edges, heat, and moving parts.
- Steering moves lock-to-lock without pulling or pinching wiring.
- Battery is reconnected according to the motorcycle manufacturer procedure.
- Headlight operation and aim are verified before riding.