Pre- 2018 Harley-Davidson Dyna, FXR, Softail

DOT LP6 Headlight Kit

(44-8323 (White), 44-8324 (Amber))

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KIT CONTENTS

QTY	COMPONENT
1	Main Mounting Bracket
1	DOT LP6 Light Mount
1	Lower Support Bracket
1	Mounting Hardware Kit – DOT LP6 Light
1	Lower Support Mounting Kit
2	Spacer Kit (Lowrider S Application)
2	3/8"-24 x 1.75" Socket Head Bolt
2	3/8" Grade 8 Washer
2	3/8"-24 Nylock Nut

TOOLS REQUIRED

5/16 in. Allen Wrench | ¾” Shallow Socket | 3.5” Socket Extension | ¼” Socket/Wrench | Trim/upholstery removal tool (optional)

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, fairing, and OEM mounting bracket from the triple clamps. Retain all factory hardware, as several components will be reused during installation.

STEP 2 | LOOSEN HARDWARE / HANDLEBARS

This bracket uses 1/2" bolts to secure your handlebars. To loosen these bolts, you'll need a 3/4" shallow socket along with a 3.5" extension. Loosen the bolts by approximately three full revolutions to ensure there is about 1/8" of space on the bolt shaft.

Be sure **NOT TO OVER LOOSEN** bolts, or your bars may fall back or off and cause damage to the tank or other parts.

STEP 3 | ASSEMBLE DOT LP6 MOUNTING BRACKET

Find the heavy-gauge factory washer located under your handlebar bushings and insert our bracket directly below it. If you have any other washers or extras on these bolts, make sure to slide them down the 1/2-inch bolt so that they are positioned below our bracket.

Unscrew 1/2" Bolts 3 full turns down, or just Enough to fit Bracket .

NOTE: Allow all extra wires, washers or added rings To be below our bracket.

IMPORTANT! , Our Main Bracket Must slide onto the bolts up against large factory bushing washers. Send any additional lock washers etc "below our bracket"

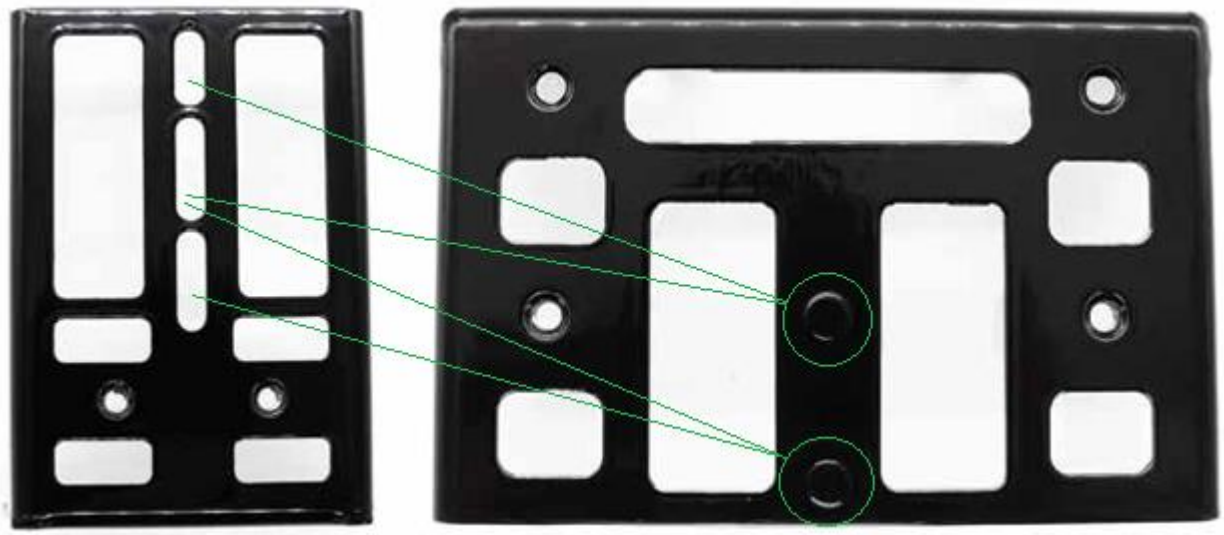
STEP 4 | INSTALL MAIN BRACKET & HARDWARE

Locate the "Main Bracket" and slide it into the bolts positioned between the lower bushing washer. Push the bracket firmly all the way back and ensure that it appears straight and properly aligned. Next, tighten the 1/2" bolts using a 3/4" socket with a short extension. Make sure to alternate tightening both bolts a couple of times to ensure they are secure. The bracket should be parallel to the upper fork clamp and rotate freely without rubbing against the bars.

1st Bracket you will install on triple clamps

STEP 5 | LOWER SUPPORT BRACKET

Locate the lower support bracket, install this bracket behind the main bracket, and allow the threaded studs to poke through the holes on this bracket. Install two 1/4x20 Nylock nuts and washers on these studs, and tighten nuts so that you can barely slide the bracket up and down.

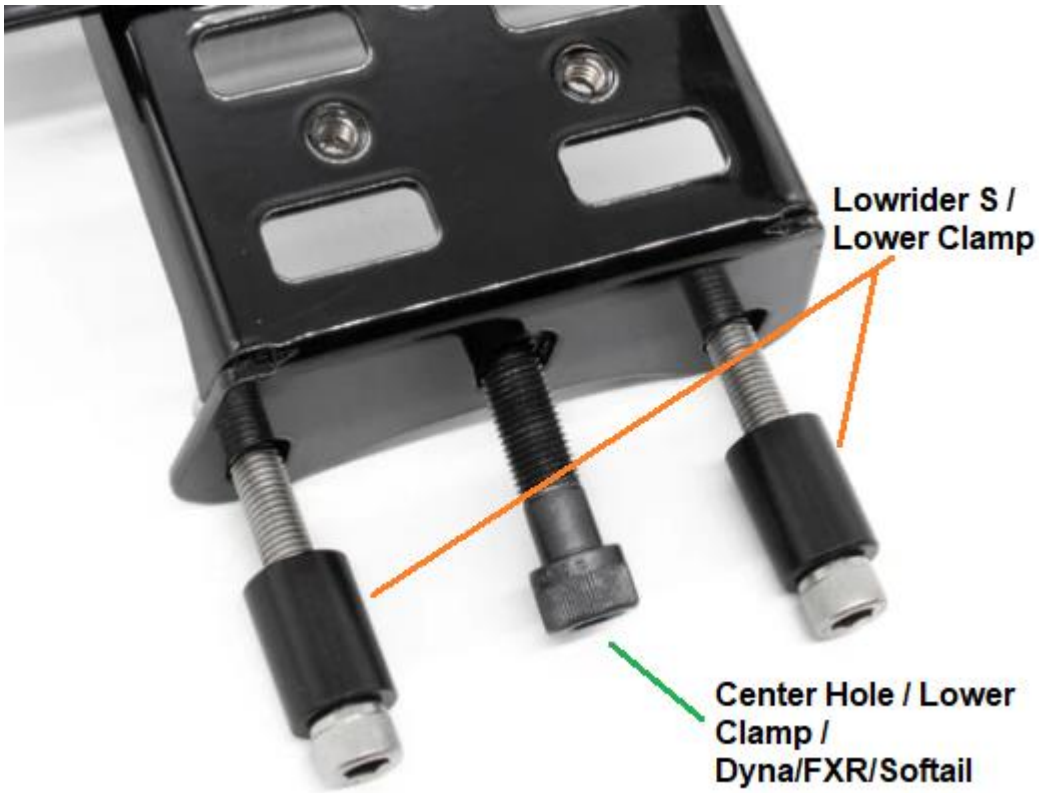


IMPORTANT: You want these nuts snug but loose enough to be able to lift the bracket up and down. Once you install the DOT LP6 light at the desired height to fit within the fairing, go back and tighten down the hardware.

NOTE: The bracket will not be set directly on the LOWER CLAMP. The black spacers need to be set inside the recessed cavity on the lower clamp, which supports and aligns this bracket.

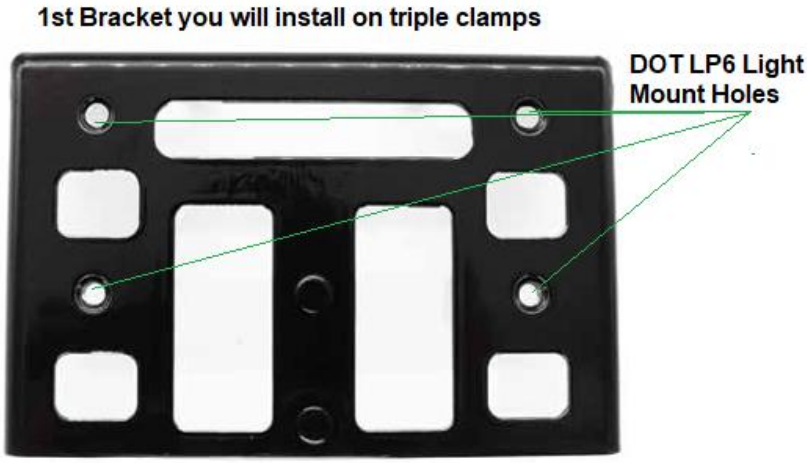
Bikes that have only one center hole on the lower fork clamp will use the single provided 3/8" socket head, along with a washer and a nylock nut. Note: If your hole is only 5/16", use one of the provided 5/16" stainless socket heads instead.

NOTE: Most dynas with a larger spread will use the top two holes on the lower support, but most bikes use the bottom two slots for the studs.



STEP 6 | INSTALLING DOT LP6 LIGHT BRACKET

Align all mounting holes. Install all four hex bolts and washers finger-tight before tightening any one fastener. Once all four are started correctly, tighten evenly. 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.



NOTE: Depending on the fairing you are using, you can use either mounting location on the DOT LP6 bracket to sit further back or forward, depending on desired fitment.

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.

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's procedure.
- Headlight operation and aim are verified before riding.

Tie all wires away from sharp, hot, and/or rotating components.

Re-torque all the fasteners after 100 miles.

Your install is now complete! Thank you for choosing Baja Designs.