

SATLOC®

L8 Installation Guide



Overview: This installation guide lists all the parts in an L8 Kit and provides step-by-step instructions on installing the L8 lightbar.

Table of Contents

Safety Information	1
Kit P/N Information	1
Kit Contents	2
L8 Lightbar Installation Instructions	3-4
Technical Support	5

Latest Version of the L8 Installation Guide

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Safety Information

Read and Follow Safety Messages

- In these instructions, you may see the heading **⚠️WARNING:** and/or the safety alert symbol **⚠️**. They indicate a hazardous situation that, if not avoided, could result in death or serious injury. The safety messages provide information to identify a hazard associated with potential injury.
- Read and understand this manual and all the warnings below before installing, operating, or performing maintenance or service. FAILURE TO DO SO MAY CAUSE IRREVERSIBLE DAMAGE TO YOUR SYSTEM.
- Keep this manual and all related safety information with the manuals for your aircraft.

⚠️WARNING: Plan your installation by considering the following: 1) cable lengths, 2) clearance space, 3) power source, 4) aircraft structure, and 5) visibility.

⚠️WARNING: Consider using existing hardware and hardware locations. Avoid drilling holes that may damage other equipment (such as structural frame members, electrical cables, or fluid lines).

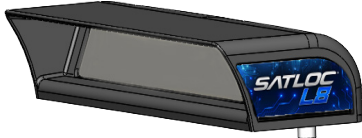
⚠️WARNING: Do not obstruct the view of, or access to, other instruments or the flying visibility of the operator.

⚠️WARNING: Do not allow anyone to operate without instruction.

Kit P/N Information

L8 Installation Kits			
Falcon	G4	Bantam	Optional Wingman Bracket Kit
900-4300-000	900-4301-000	900-4302-000	710-0032-000
L8 Installed, Upgrade to Falcon GPS	L7 to L8, Upgrade for G4	L7 to L8, Upgrade for Bantam	
900-4307-000	900-4303-000	900-4304-000	

Kit Contents

REF	PART NUMBER	QTY	DESCRIPTION	PHOTOGRAPH
A	806-4400-000	1	L8 for Falcon GPS	
	806-4401-000		L8 for G4 GPS	
	806-4402-000		L8 for Bantam GPS	
B	602-1014-000	2	Lightbar brackets, standard, 5.25"	  Wingman L8 bracket not pictured
	602-1012-000	2	Lightbar brackets, short, 3"	
	602-1016-000 (RH) & 602-1017-000 (LH)	Optional	Lightbar brackets, Wingman, 7.5" (RH and LH)	
C	602-1018-000	2	Top bracket	
D	*80011	4	Bolt, #10-32 x 21/32"	
	*80570	4 (of 10)	Nut, #10-32	
	*81219	4 (of 10)	Washer, #10-32	
E	*80922	4	Screw, #10-32 x 5/8"	
	*81202	4	Washer, Internal Lock, #10-32	
F	*80013	4	Bolt, #10-32 x 25/32"	
	*80570	4 (of 10)	Nut, #10-32	
	*81219	4 (of 10)	Washer, #10-32	
	*601-1045-000	2	Backing plate	
G	*86071 OR *86436	2	Adel clamp	
	*80007	2	Bolt, #10-32 x 17/32"	
	*80570	2 (of 10)	Nut, #10-32	
	*81219	2 (of 10)	Washer, #10-32	
H	050-2205-000	1	L8 Lightbar cable for Falcon	Not Pictured
	050-2524-000	1	L8 Lightbar cable for G4	
	050-2523-000	1	L8 Lightbar cable for Bantam	
			Connects Lightbar Cable to GPS	

*Part of Hardware Kit
P/N 710-2003-000



A drill and 1/4" drill bit are required for this installation.

L8 Lightbar Installation Instructions

Unpack the kit and identify the required parts as shown. Kit items are referenced A, B, C, etc. The references are used in the installation steps and pictures. Be sure to mount the lightbar in front of the cockpit at a comfortable viewing distance.

WARNING:

Do not obstruct the view of, or access to, other instruments or the flying or driving visibility of the operator.

Step One

Assemble Lightbar
Mounting Brackets



Using hardware D, assemble two mounting brackets using parts B and C.

Note: There are three size options for the mounting brackets.

Step Two

Attach Mounting Brackets
to Lightbar



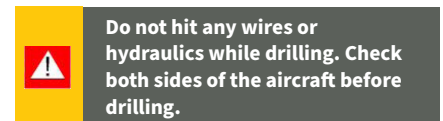
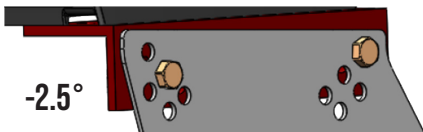
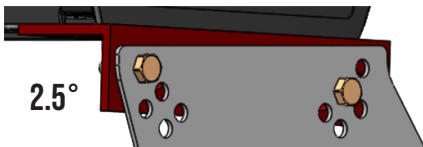
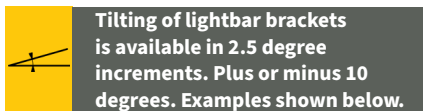
Using hardware E, attach the two mounting brackets to the Lightbar.

Step Three

Marking Holes for Drilling



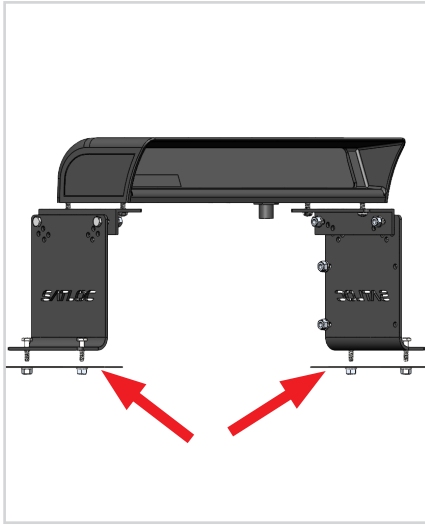
Using the assembled lightbar and brackets as a template, mark the four mounting hole positions on a suitable surface/location on the aircraft. Using a 1/4" drill bit, carefully drill the four holes.



Do not hit any wires or hydraulics while drilling. Check both sides of the aircraft before drilling.

Step Four

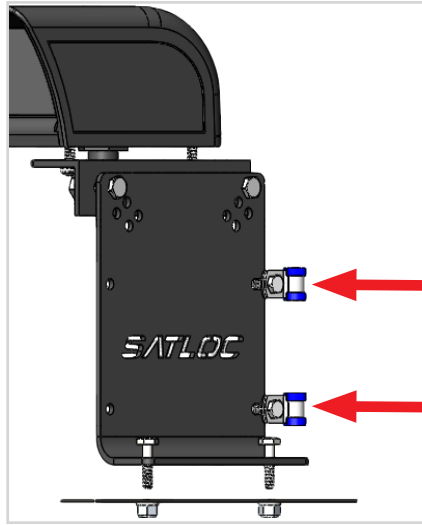
Secure Lightbar to Aircraft



Using hardware F, secure the lightbar to the aircraft. If required, use the backing plates on the underside of the mounting surface for additional reinforcement (these provide additional support to prevent the bolts from pulling through the surface under vibration).

Step Five

Attach Cable to Lightbar



Connect cable to the bottom of the lightbar. Using hardware G, attach the cable to the lightbar. Be careful not to make any sharp turns or bends.

Note: There are two size options for the Adel clamps.

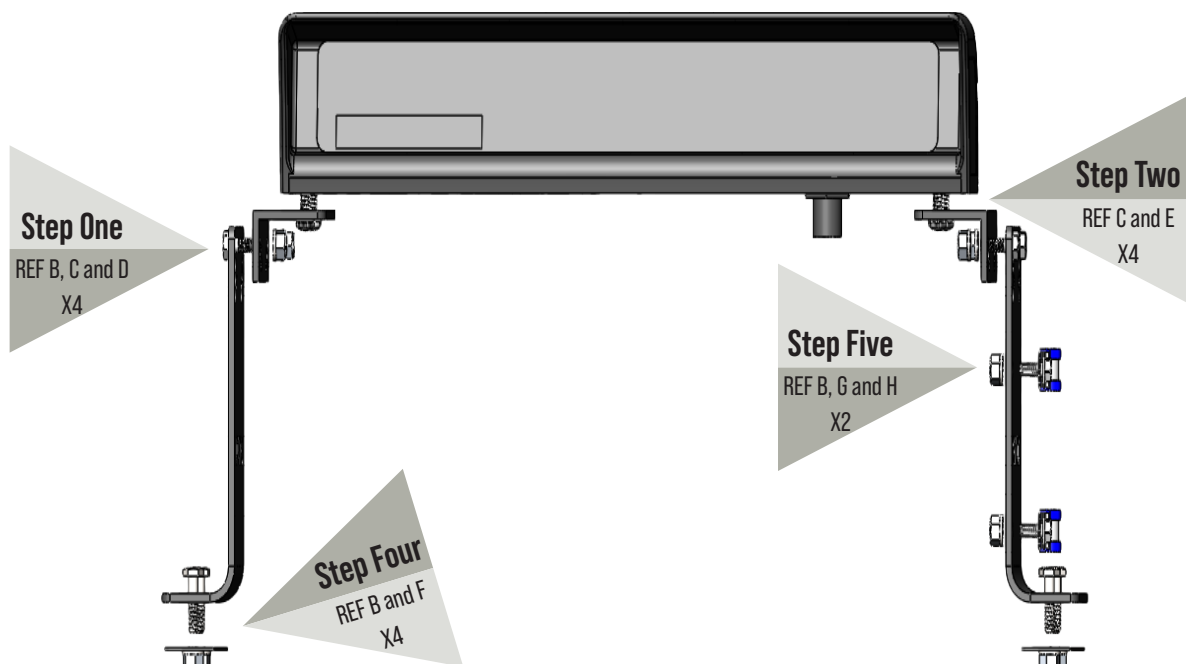
Step Six

Tighten Hardware



When finished, tighten all hardware.

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