

Thanks for purchasing Problem Solver Brake Stud Light Mounts. We hope that they help to illuminate your way more effectively. Check to make sure you've got everything you need, and then find your configuration below to get started.

**WARNING:** Read these instructions completely before beginning installation of this product. If you lack the knowledge or tools to perform installation, please have your local professional bicycle mechanic perform the installation. Improper installation can result in loss of control or damage to the bicycle and/or serious injury or death to the rider.

**REQUIRED PARTS**

First, make sure you've got the right stuff:

- 10 x 1.25mm thread-in brake stud
- Extension arm (Ø22 x 42mm long)
- Light mount arm (Ø15 x 57mm long)
- 10mm spacer
- 60mm bolt

**TOOLS**

- 4mm hex wrench
- 9mm box wrench
- Torque wrench

**INSTALLATION:**

**Empty Brake Stud Mounting Holes**

1. Thread in the included 10 x 1.25" brake stud (for 10 x 1mm, part #FS1169 is required). Tighten with a 9mm box wrench
2. Install the extension arm with the recessed portion (fig 1) towards the brake stud (fig 2)
3. Install the light mount arm (pointing away from the wheel) using the included bolt (fig 3). Torque 8–10Nm
4. Mount your awesome light (per the maker's instructions)

**Brake Stud without Brakes**

1. Install the extension arm with the recessed portion (fig 1) towards the brake stud (fig 2)
2. Install the light mount arm (pointing away from the wheel) using the included bolt (fig 3). Torque 8–10Nm  
NOTE: Some canti stud threads may not be long enough to accommodate the bolt. If that is the case, use the included 10mm spacer (fig 4)
3. Mount your awesome light (per the maker's instructions)

**Brake Stud with Brakes Installed**

1. Remove the brake's mounting bolt
2. Install the extension arm
  - For brakes with exposed bushings, use the flat end of the extension (fig 5)
  - For brakes with recessed bushings, use the recessed end of the extension and the included spacer (fig 6 & 7)
3. Install the light mount arm (pointing away from the wheel) using the included bolt (fig 3). Torque 8–10Nm
4. Mount your awesome light (per the maker's instructions)



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8