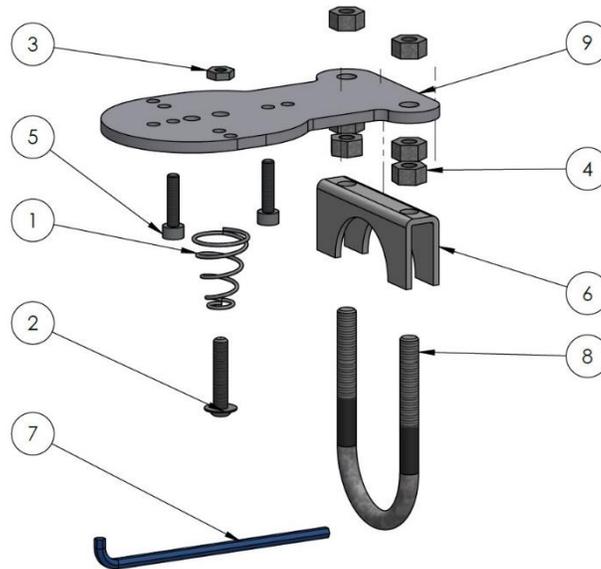




Universal Pyranometer Mount #14357

Introduction

NRG pyranometer mounting kit #14357 is designed to attach most common types of pyranometers to the NRG tubular boom system.



Parts/BOM

NRG Part Number	Part Description	Part Specification	Qty	Diagram Key
15498	Mounting Plate	Aluminum 3/16" thickness	1	9
14407	U-Bolt (Extended)	1.75 ID 7/16-18 thread Galvanized	1	8
14223	U-bolt Clamp	1.75 ID 7/16-18 thread	1	6
14356	U-Bolt Nuts	7/16-18 thread Galvanized	6*	4
14352**	Button Head Screw	M6 x 1.0 30mm length Stainless	1	2
14350**	Nut	M6 x 1.0 Stainless	1	3
14358**	Machine Head Screw	M5 x 0.8 22mm length Stainless	2	5
14349**	Spring	0.975" OD Stainless	1	1
5395**	Short-arm Hex Key	4mm size Stubby	1	7
14965***	Machine Head Screw	M5 x 0.8 40mm length Stainless	2	

*(4) nuts are included with U-bolt #14407

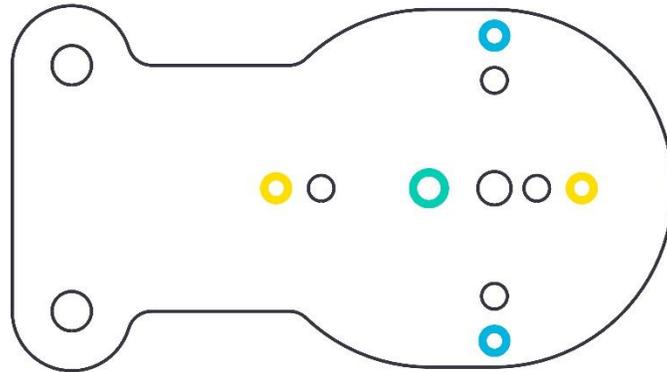
**For mounting & leveling Hukseflux pyranometers

***For mounting EKO pyranometers



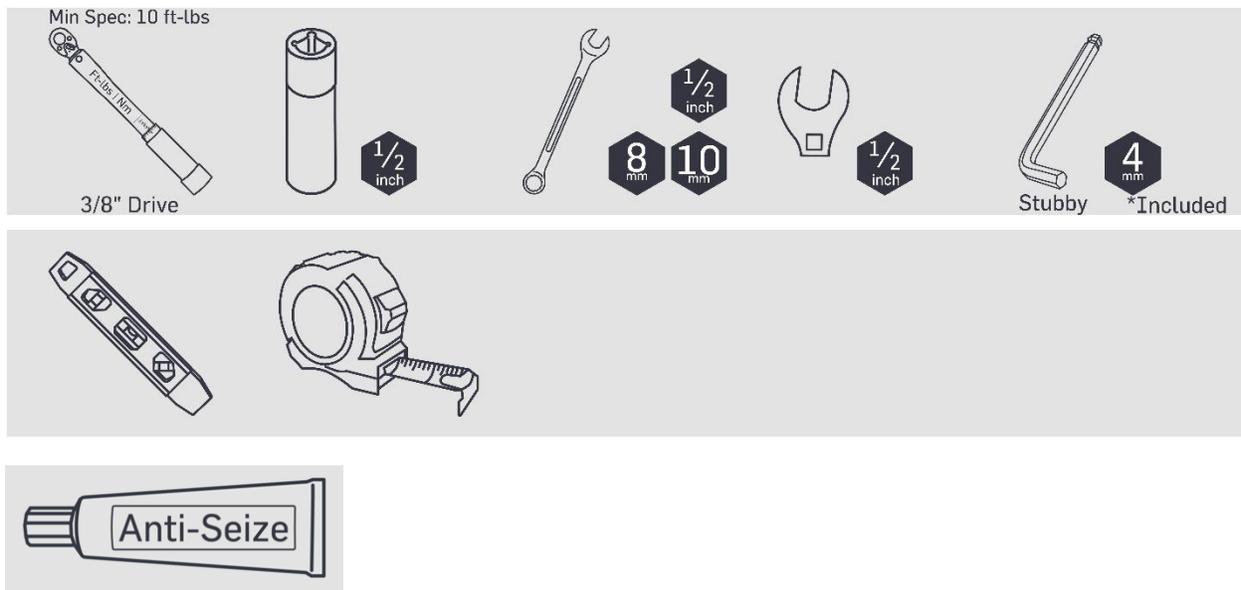
Universal Pyranometer Mount #14357

Universal Mounting Plate #14598



- EKO
- Hukseflux M5x0.8 | 22mm
- Hukseflux M6x1.0 | 30mm

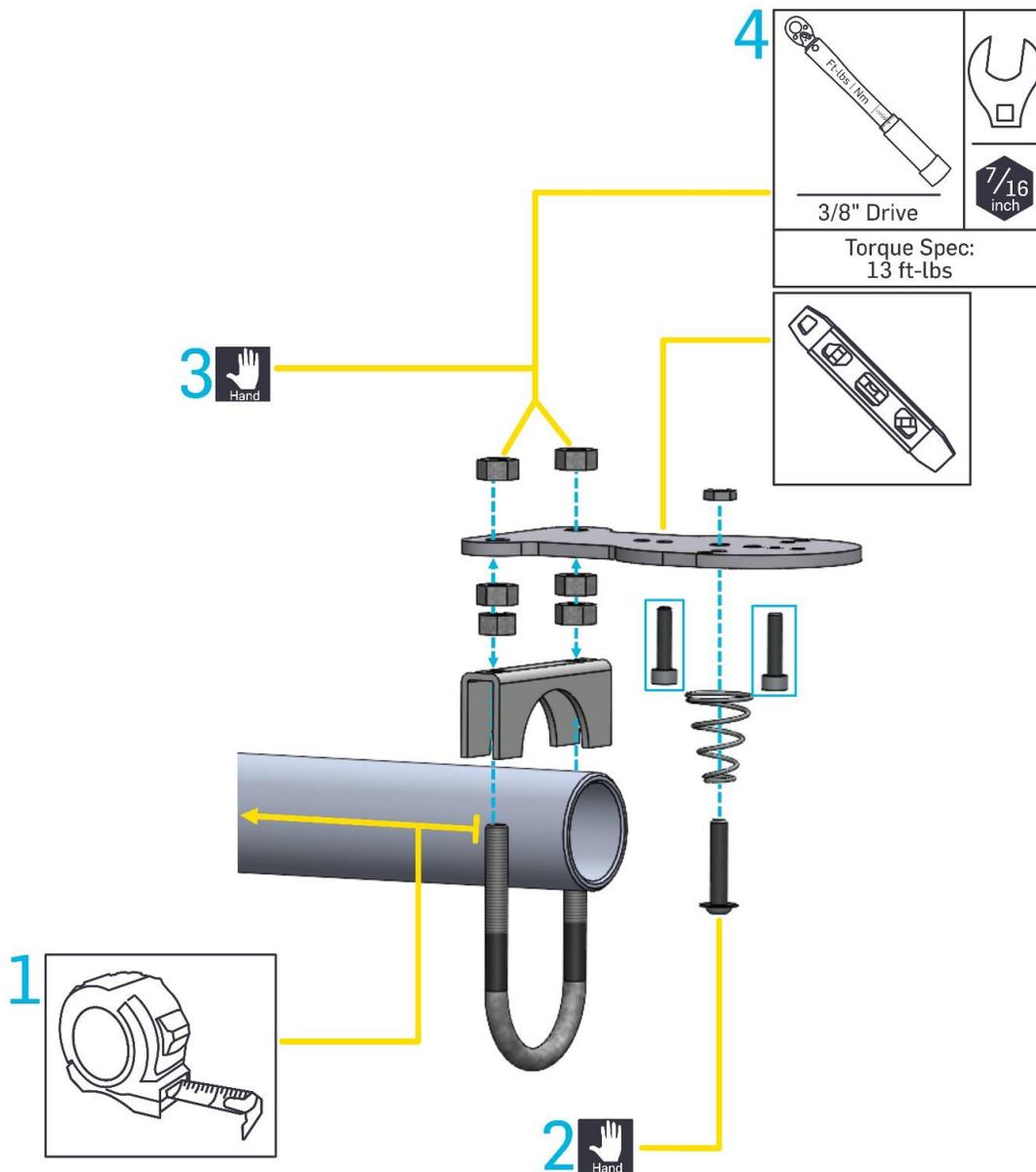
Tooling



Apply a small amount of anti-seize to the bolt threads.



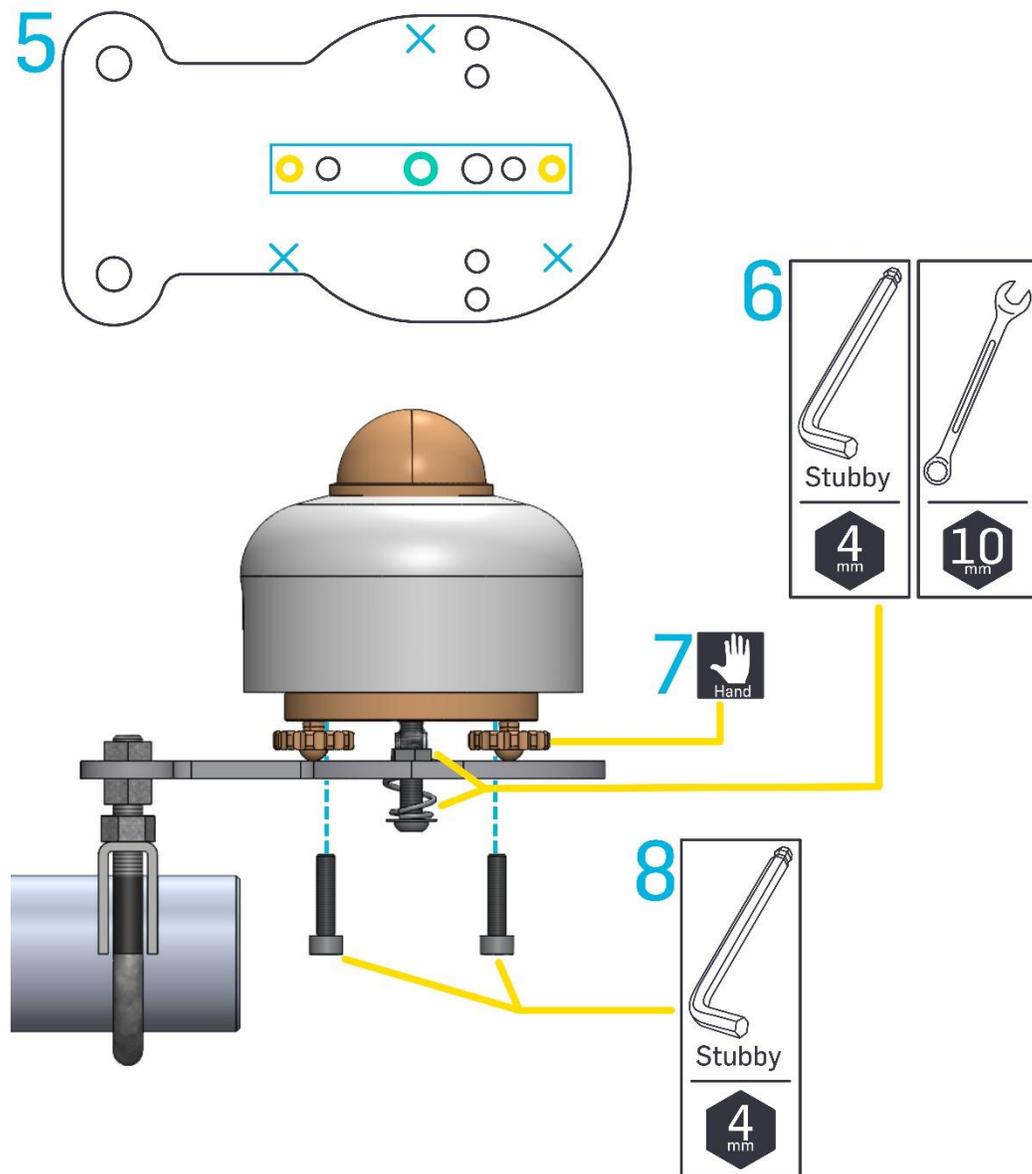
Procedures



1. Determine the location on the pipe boom that the pyranometer mount will be placed.
2. (Hukseflux pyranometers only) Assemble the M6x1.0 flanged buttonhead screw, spring, & M6 nut to the plate through the hole shown in **Universal Mounting Plate #14598**.
3. Assemble the clamping U-bolt, nuts, & plate around the pipe boom. The bottom nut on each side tightens the clamp. The upper pair of nuts on each site are used to secure & level the mounting plate.
4. Level the plate. Secure all nuts & torque to spec.



Hukseflux Pyranometers



5. Place the Hukseflux pyranometer onto the mounting plate & line up the three mounting holes (outlined). The feet will land approximately at the “x” notations on the plate.
6. Thread the M6 flanged buttonhead screw into the base of the pyranometer. Leave nut loose between the pyranometer base and the plate. The screw & spring holds the pyranometer securely to the plate while adjusting the feet.
7. Use the integrated bubble level and feet to level the pyranometer.
8. Feed the M5x0.8-22 mm screws through the appropriate holes in the plate & thread into the base to secure the pyranometer to the plate.
9. Check that the sensor remains level; adjust if needed. Attach sun shield.

