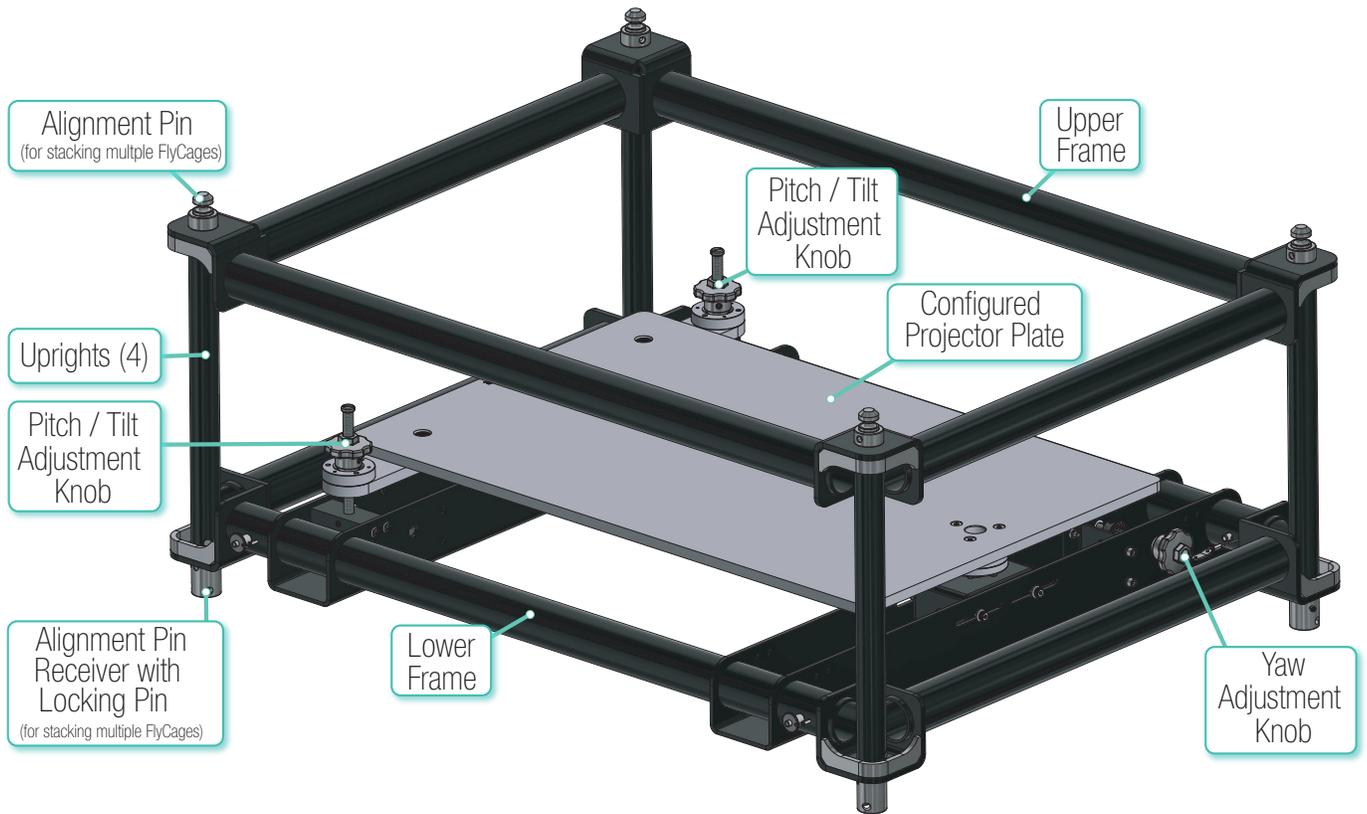
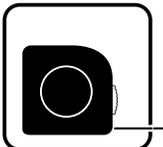


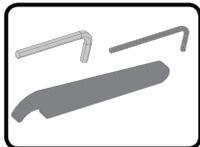
Overview - Features and Components



TOOLS REQUIRED



TAPE MEASURE



SPANNER WRENCH
HEX WRENCH
TORX WRENCH
INCLUDED

PERSONELL REQUIRED



If you have any difficulties installing or servicing your FlyCage, call your dealer or Draper, Inc.

Important Safety Information



Important Safety Information

Improper installation and use of FlyCage can result in serious injury or death. Primarily, injuries can occur when the FlyCage falls due to imprecise installation, mishandling of the FlyCage during installation or installation on an insufficient wall or ceiling structure. Please use extreme care.

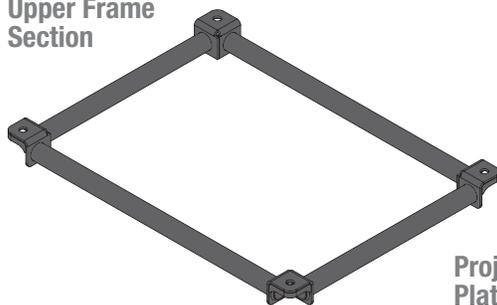
1. Please read the following installation guidelines thoroughly and follow them carefully. Failure to do so may cause product to fall or otherwise fail, and could result in serious injury.
2. Installation and calibration of the FlyCage should only be performed by an authorized, qualified, and experienced professional. In particular, electrical work and wiring [indicated in diagram by dashed lines] must be completed only by a qualified professional electrician who has read this manual completely and is familiar with the construction and operation of this equipment and the hazards involved.
3. Turn off power and any nearby equipment or cables carrying electricity before connecting switches, wires, controls, or electrical components.
4. Do not affix the unit to wall or ceilings that have inadequate strength to permanently hold the unit during use. It is the owner's and installer's responsibility to confirm the wall or ceiling to which the unit attaches is sufficient to permanently hold the weight and stress loads of the unit at all times. Draper, Inc., is not responsible for improper installation, application, testing or workmanship related to the product at place of installation.
5. It is the installer's responsibility to make sure appropriate fasteners are used for mounting.
6. Before testing or operation, carefully inspect the entire area underneath the FlyCage to be sure no persons or objects are in the area.
7. During testing or operation, carefully watch the surrounding area for any potential safety concerns including nearby persons or objects.
8. After installation, the entire system should be carefully tested to ensure safe and normal operation. Extreme care should be taken during testing to remain clear of moving parts to avoid possible injury.
9. Installation of FlyCage should be performed only by authorized and qualified personnel, who have been trained in the safe and effective operation of the FlyCage & understand its safety features.
10. The safety features of the FlyCage should never be disabled, bypassed or overridden. The system should not be operated until all safety features are properly and completely installed, calibrated and tested.
11. FlyCage may need to comply with local, state or district rules and regulations, in particular when installed in schools. All applicable rules and regulations should be reviewed before installation and use.
12. Failure to precisely follow installation guidelines invalidates all warranties.
13. Custom products/installations may not be reflected in this manual. Call Draper, Inc., if you have questions about the installation of custom products or any questions about your installation.

Before Beginning Installation

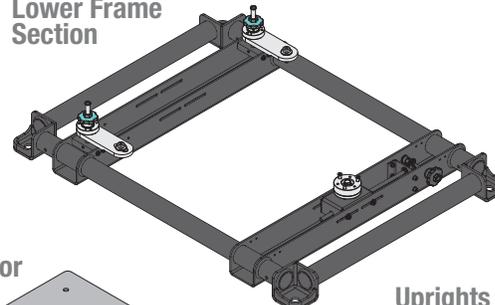
1. Look for any job site conditions that could interfere with installation or operation of the system.
2. Read carefully and be sure to understand all installation instructions and all related operations manuals. These instructions are intended to as a guide for the installer and owner. They should be followed closely and combined with the expertise of experienced qualified installers. Draper, Inc., is not responsible for improper installation, application, testing or workmanship related to the product at place of installation. Please retain all instructions for future use.
3. Open cartons lengthwise.
4. Locate and lay out all pieces.
5. Inspect all boxes to make sure you have received the proper FlyCage and parts.
6. If you have any difficulties with installing, servicing or operating your FlyCage, call your dealer or Draper, Inc., 765 987-7999.

Section 1 - FlyCage Components

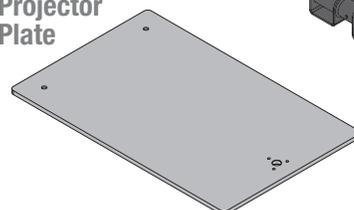
Upper Frame Section



Lower Frame Section



Projector Plate

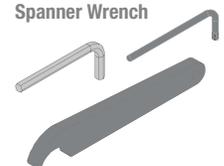


Uprights (4)

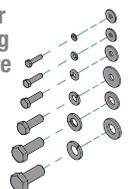


Included Tools

Hex Wrench
Torx Wrench
Spanner Wrench



Projector Mounting Hardware



Section 2 - FlyCage Assembly

1.

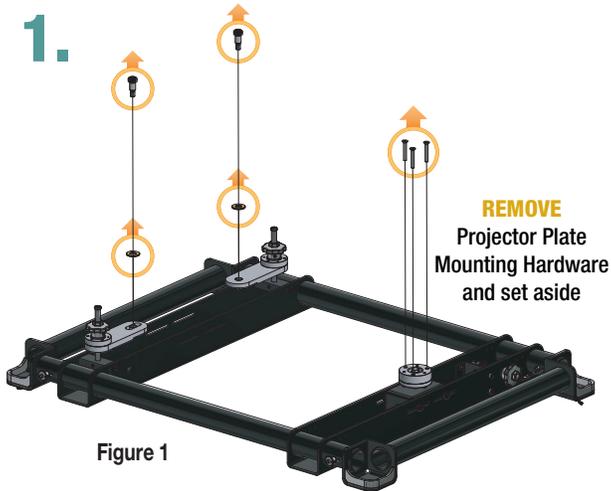


Figure 1

2.

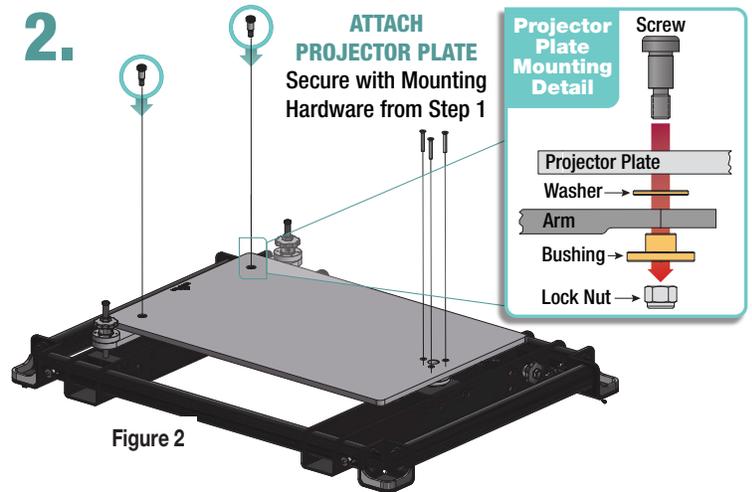


Figure 2

3.

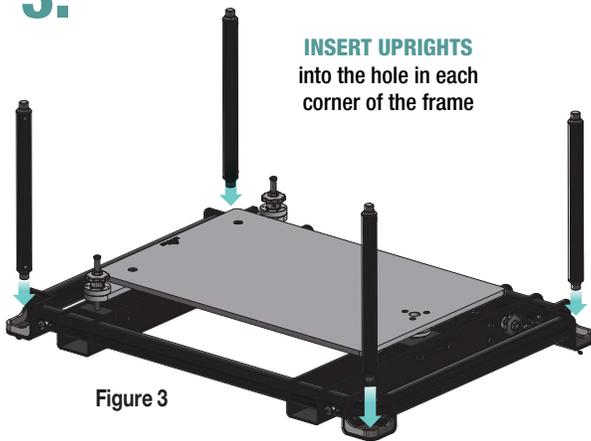


Figure 3

4. SECURE ALL FOUR (4) UPRIGHTS

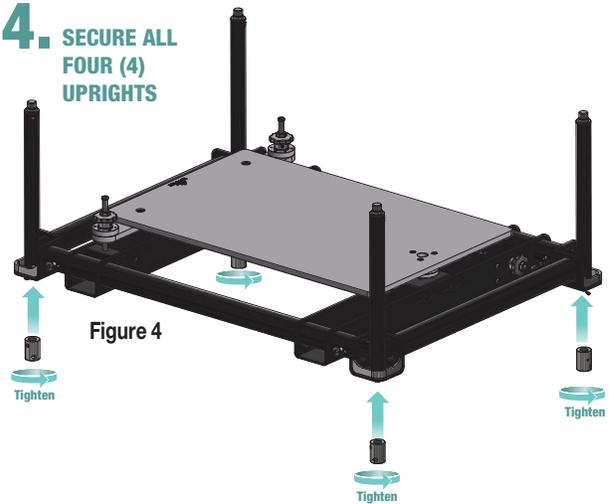


Figure 4

5.

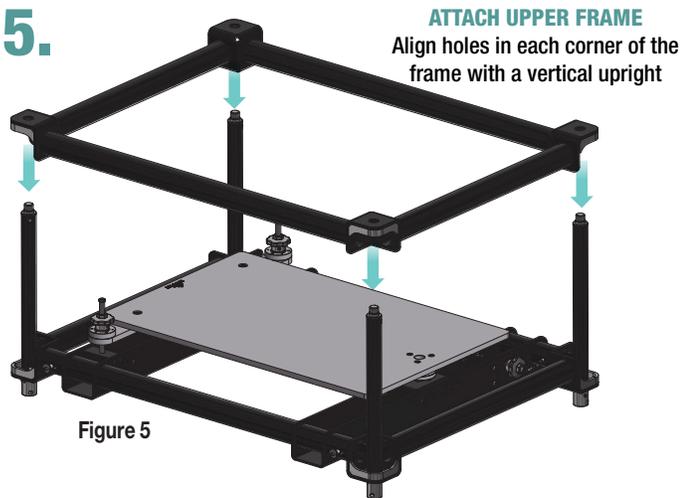


Figure 5

6.

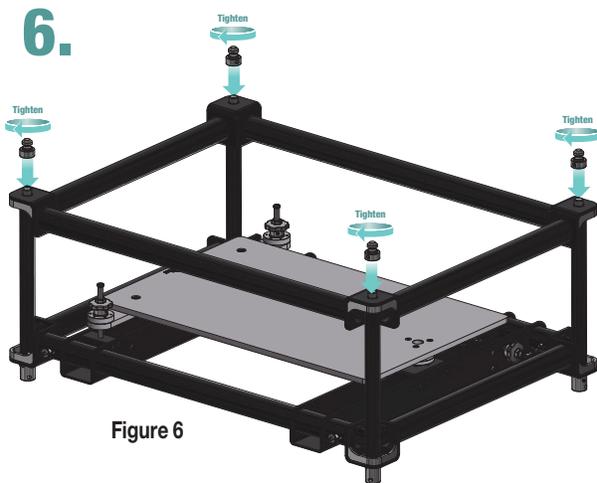
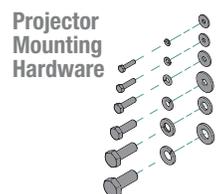


Figure 6

Section 3 - Mounting Projector

Each FlyCage is manufactured with a projector plate configured to the exact projector that was specified at the time of purchase. Attach the projector (*hardware by other*), using the provided holes on the configured projector plate.



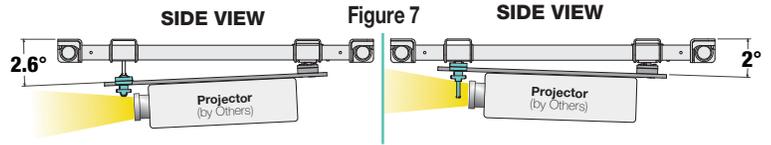
Section 4 - Pitch, Tilt & Yaw Adjustments

The FlyCage has 3 types of projector adjustment: **Pitch, Tilt & Yaw**.

Section 4.1 - Pitch Adjustments

- To adjust the **PITCH** of the projector plate, turn the both Pitch / Tilt adjustment knobs an equal number of turns per knob (see Fig. 7).

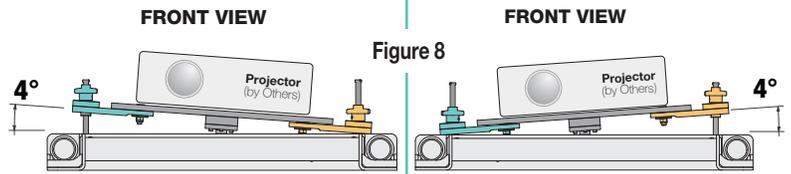
An unequal number of turns will adjust the **TILT** (see section 4.2 - Tilt Adjustments).



Section 4.2 - Tilt Adjustments

- To adjust the **TILT** of the projector plate, turn one of the Pitch / Tilt adjustment knobs clockwise, and the other counter-clockwise (see Fig. 8).

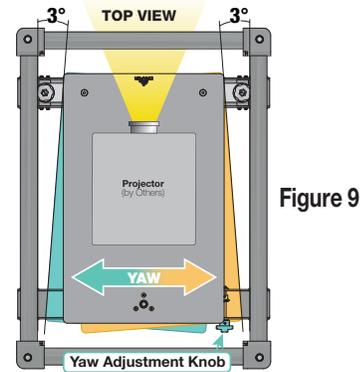
4° of adjustment is available in either direction.



Section 4.3 - Yaw Adjustments

- To adjust the **YAW** of the projector plate, turn the yaw adjustment knob (see Fig. 9).

3° of adjustment is available in either direction.



Section 5 - Stacking Multiple FlyCages (Up to 3 if supported from below; 2 if flown overhead)

Align all 4 (four) cage uprights and secure them with the provided locking pins (see Fig. 10.)

