

2026-2027 Field Mitigation Guide

This guide includes some potential issues which can occur with the 2026-2027 *FIRST* Tech Challenge competition field and the recommended mitigation measures field staff can take if they occur. The intent of this guide is to provide guidance to volunteers and events so they can ensure a fair and consistent experience for all competing teams.

TOP TIP: Before performing any mitigation fixes, ensure the field is assembled correctly. Reference: the CAD file and other field resources available at ftc.game/field

1: A field component is visibly damaged or defective.

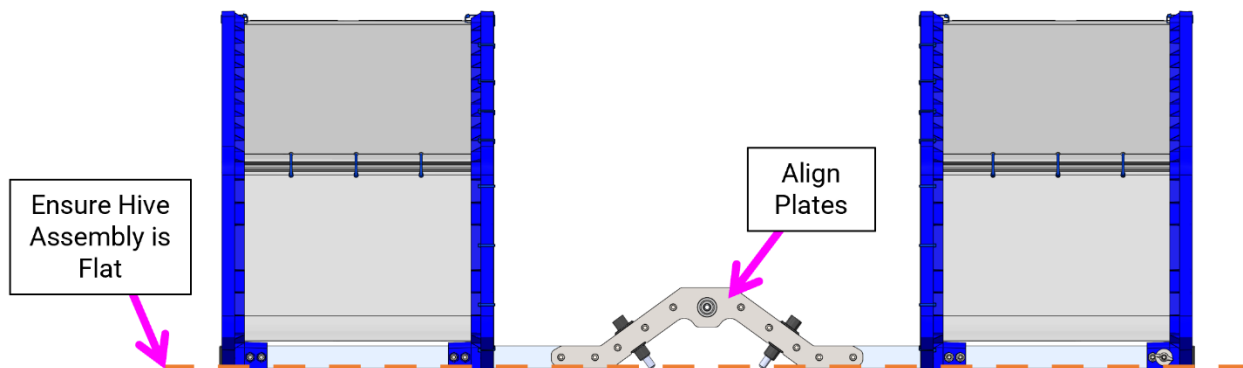
Mitigation 1.1: To troubleshoot any field build issues, to resolve potential defects, or to purchase replacement components, it is recommended to contact [AndyMark Customer Service](#).

2: Hives are difficult to tip or tip too easily.

Some variation in Hive operation is expected within the boundaries described by the calibration process in the [Event Field Setup Guide](#). Prioritize consistent operation among Hives on a given field first, and consistent operation across competition fields second.

Mitigation 2.1: Conduct the Hive Calibration process described in the [Event Field Setup Guide](#).

Mitigation 2.2: If calibration is difficult or unsuccessful, remove the affected Hive Assembly from the Frame Assembly and place it on a flat surface. Loosen the screws on the Pivot Bearing Plates and realign the Hive Assembly prior to tightening. Then conduct the Hive Calibration process described in the [Event Field Setup Guide](#).



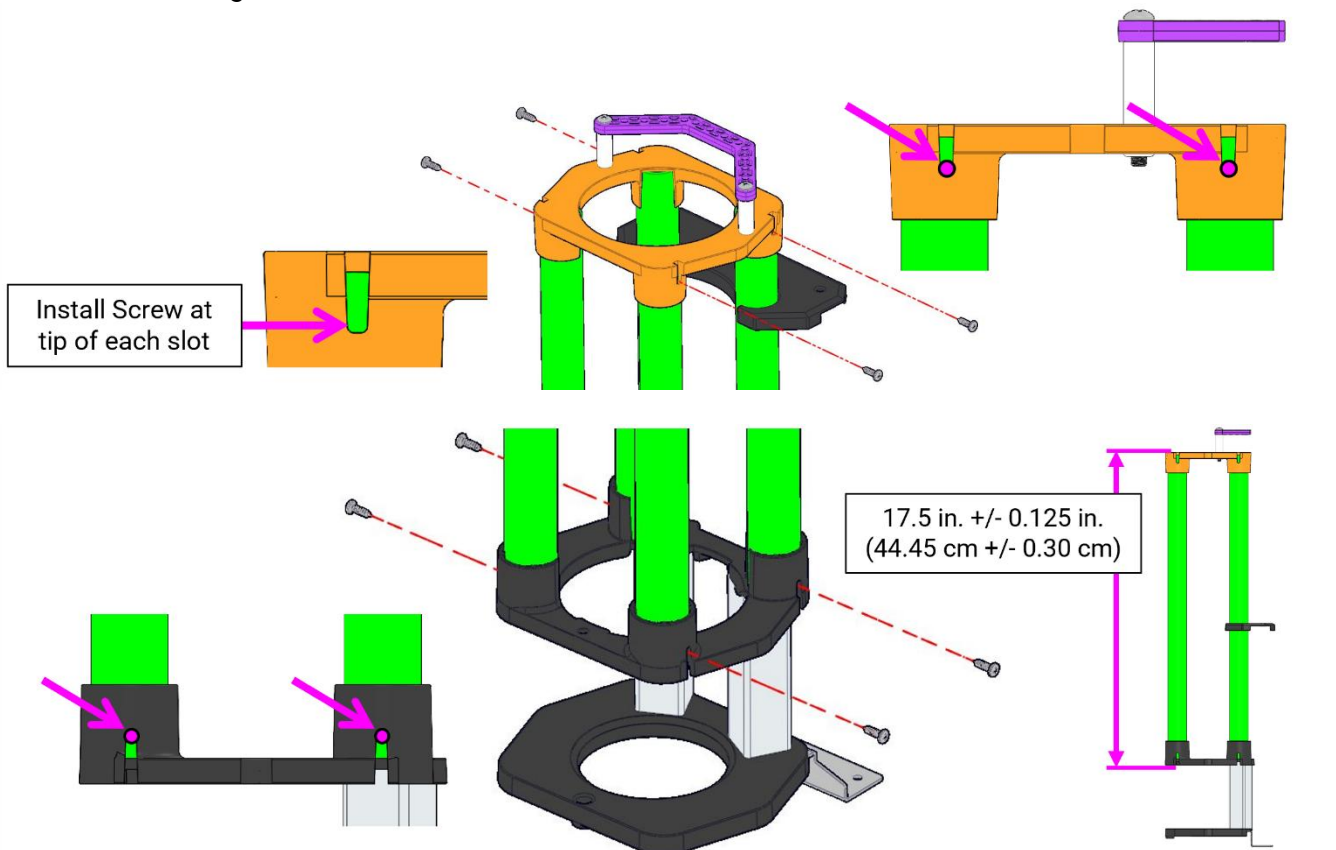
3. Flower top opening is too low or too high.

The Flower top opening should be **21.5 ± 0.25 in.** (54.6 ± 0.65 cm) from the tile floor. If the Flower is too tall, the pipes may not be fully inserted into Flower Middle Ring or Flower Top Ring.

Mitigation 3.1: Remove screws from Flower Pipes and ensure Flower Pipes are fully inserted into the Flower Middle Ring and Flower Top Ring. Before re-inserting the screws, check the height of the assembly is **17.5 ± 0.125 in.** (44.45 ± 0.30 cm) from the bottom of the Flower Middle Ring to the top of the Flower Top Ring (see below).

If the assembly is **too tall**, ensure the Flower Pipes are fully inserted. If the assembly is still too tall, it may be necessary to shorten the pipes. Please contact AndyMark to double-check the correct length of the Flower Pipes prior to making a permanent change.

If the assembly is **too short**, it may be necessary to fasten the Flower Pipes without fully inserting them into the Flower rings.



Revision History

Revision	Date	Description
V26-27.1	10/16/2026	Initial Release