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## SERVICE BULLETIN

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**DATE:** 08-2020

**BULLETIN NO:** 20-008A

**TITLE:** CALLISTO MOUNTING WING UPDATE

**RATING:**

<input checked="" type="checkbox"/>	<b>DIRECTIVE</b> (Action Is Required)	<input type="checkbox"/>	<b>ALERT</b> (Potential Problem)
<input type="checkbox"/>	<b>INFORMATION</b> (Action Is Optional)	<input type="checkbox"/>	<b>PRODUCT IMPROVEMENT</b> (Enhance Product)

**PRODUCT SERIES / MODEL:** All versions of:  
PT-0902-001 (MKIV HD with Callisto since 03/2019)  
PT-0902-002 (MKIV with Callisto since 03/2019)  
PT-0902-003 (MK III with Callisto since 03/2019)  
PT-0902-004 (6700 with Callisto since 03/2019)

**SERIAL NO:** N/A

**SUMMARY:** Protran Technology has identified some Tampers with Callisto Protamp that have an incorrect mounting of the Callisto 2 Box to the Callisto Wing bracket resulting with an incorrect placement of the IMU which is critical to its' function.

On the side of the Callisto 2 Box Assembly there is an IMU Decal. The IMU decal must face either the front or the rear of the machine. The decal has an alignment Arrow on it. If the Arrow on the IMU Decal IS aligned with the Machine Centerline, the Callisto 2 Box is mounted properly, and the Callisto Wing does not require updating.

If the Arrow on the IMU Decal IS NOT aligned with the Machine Centerline, the Callisto 2 Box Assembly must be offset 1.80 inches in the proper direction, left or right - in order to align the IMU Decal Arrow with the machine centerline. This will require new mounting holes to be drilled in the Callisto Wing bracket to properly mount the Callisto 2 Box Assembly.

Protran Technology is making users aware of the units affected via this Service Bulletin with corrective action to solve the issue.

**OPERATIONAL IMPACT:** Superelevation will be incorrectly recorded leading to improperly tamped curves.

**ACTION:** First verify the correct placement of the IMU by taking note of the IMU Decal location. The Arrow on the IMU Decal must be equidistant left or right from each wheel (aligned to the machine centerline). If the IMU is not centered, remove the wing and box assembly. Determine which way the box must move. Use the drilling pattern provided in either Figure 1 or Figure 2 and drill new holes. Relocate the box to the new holes. The IMU location can be checked by measuring to each wing and it must be centered. Mount the wing and box assembly back to the tamper.

**CONTACT:** If you have any questions or if we can be of any service, please contact:  
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### **CALLISTO WING MODIFICATION** - See Figures 1 or 2

1. Remove Callisto wing and box.
2. Remove box from wing, noting the orientation of the box on the wing.
3. Following the drill pattern shown in Figure 1 or Figure 2, make four new 5/16" (.31 inch) diameter holes. Offset the new holes 1.80 inches from the existing holes.
4. Mount box back onto wing using the newly drilled holes - in the same orientation it was in prior to removal.

*Note: Ensure that the box is not rotated 180° from its original mounting - this orientation must be maintained when remounting the box to the wing.*

5. Mount box and wing back onto tamper.
6. Verify that the IMU Decal Arrow is accurately aligned with the centerline of the machine.  
- (See Figure 3)
7. Verify box operation by recording track.
8. Sync back into the recording and check superelevation using a level board.

FIGURE-1  
CALLISTO WING MODIFICATION - MOVE BOX LEFT

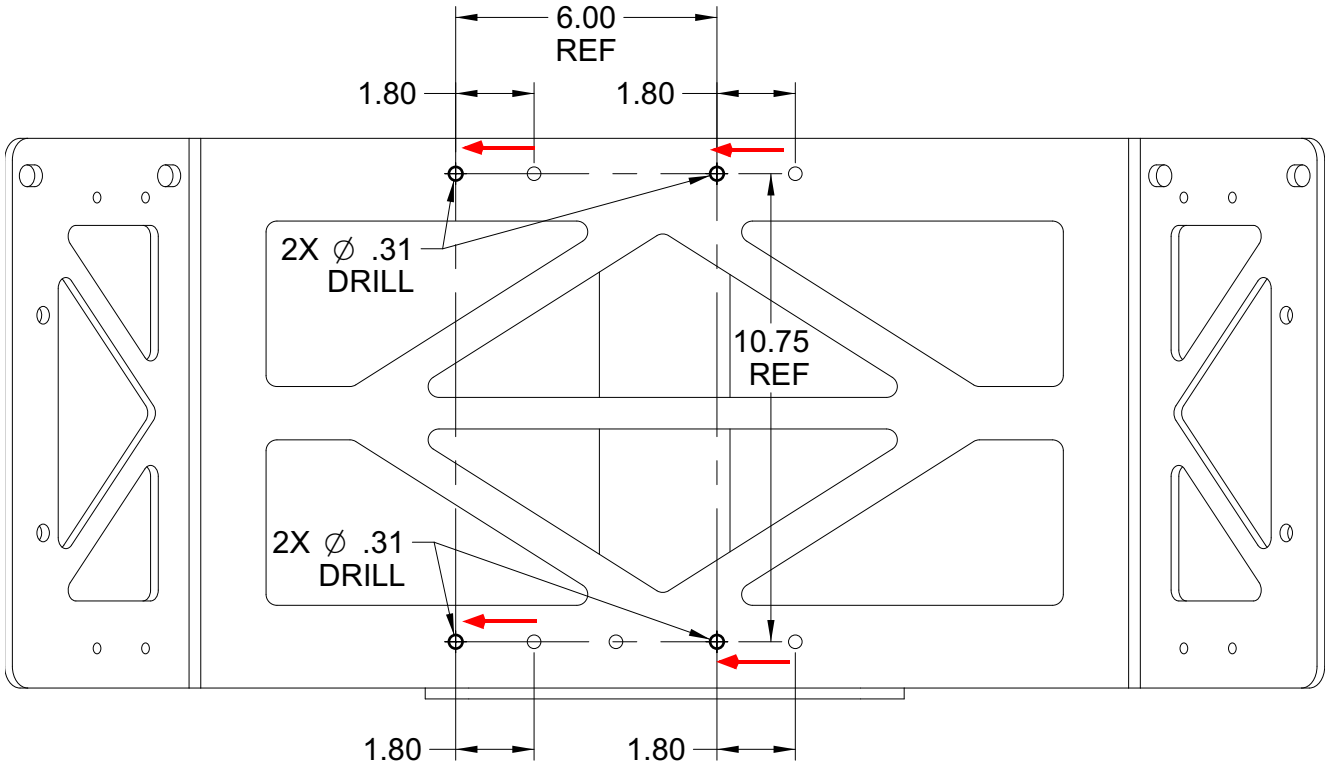
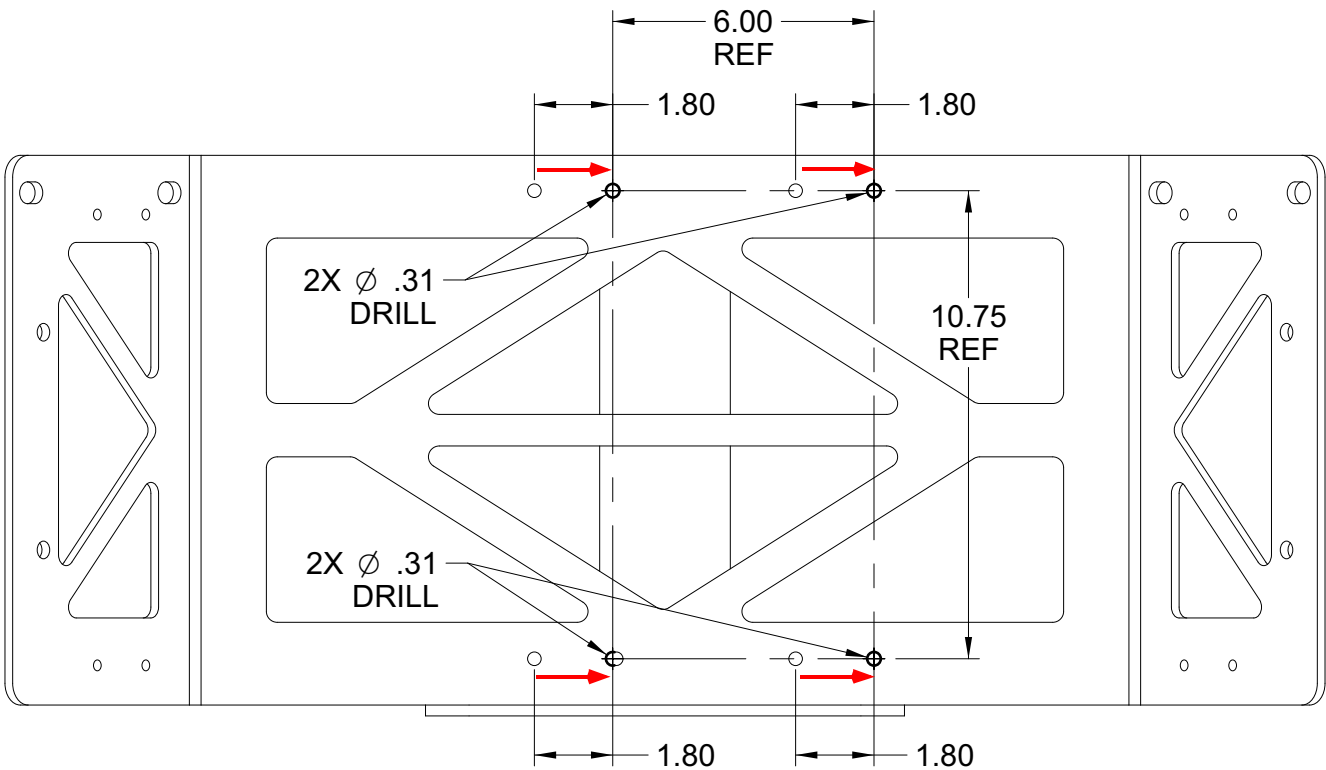


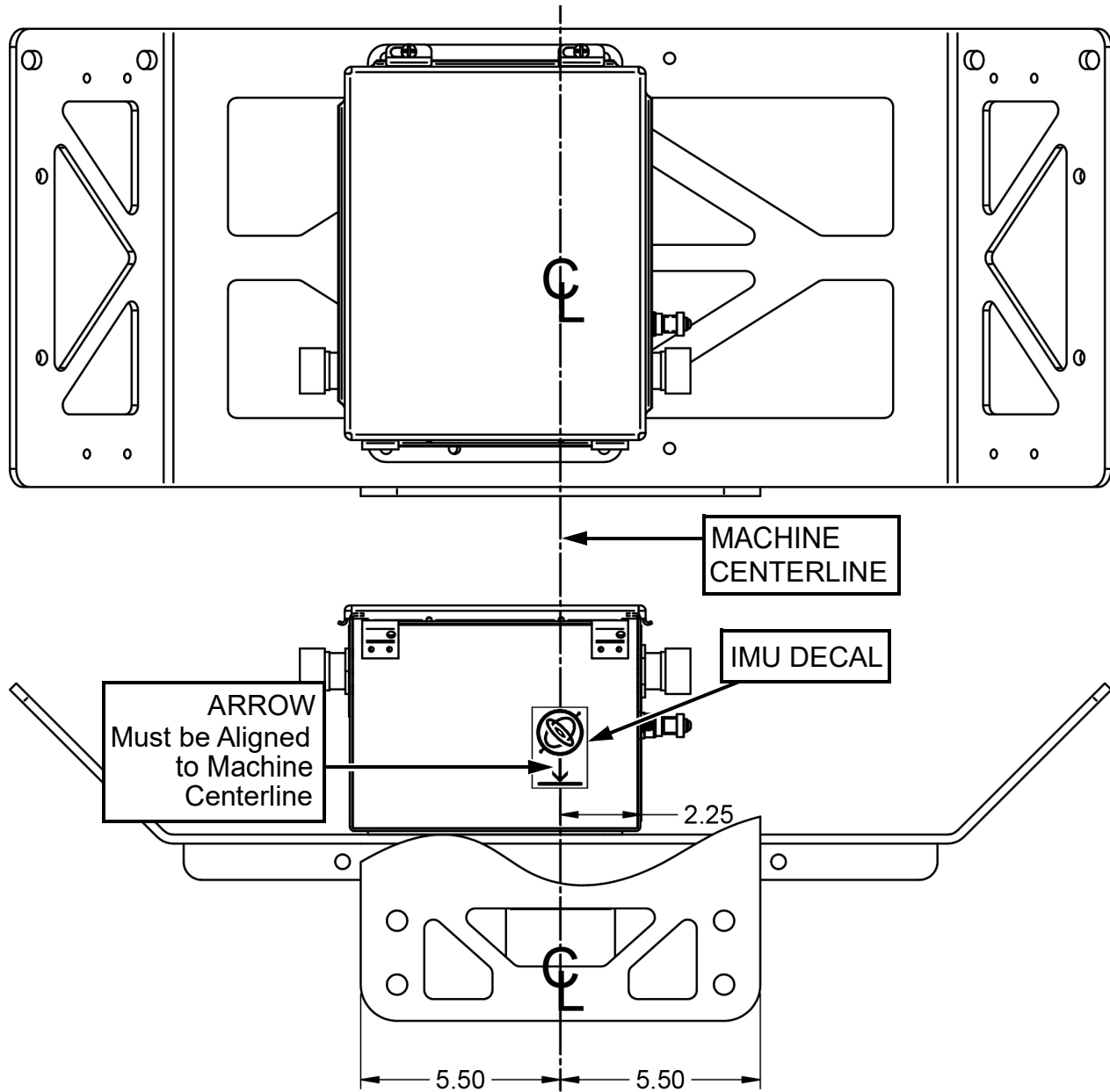
FIGURE-2  
CALLISTO WING MODIFICATION- MOVE BOX RIGHT



**CALLISTO BOX ORIENTATION** - See Figure 3

1. When remounting box, ensure that the Arrow on the IMU decal is accurately centered along the centerline of the machine.

**FIGURE-3**  
**CORRECT PLACEMENT OF THE BOX SHOWING THE IMU DECAL**



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