

Tech Tip: Proper Engagement of ITA to Receiver with Hangers

CAUTION: When engaging the ITA, use caution to ensure that the ITA is parallel with the receiver upon engagement and the ITA rollers are engaged at the same time.

All system power supplies should be disconnected prior to handling.

Prior to engagement:

- Make sure all modules (ITA and receiver) are installed properly. Improper installation can damage the modules, ITA and/or receiver.
- Make sure all ITA modules match receiver modules (power ITA module to power receiver module, etc.).
- Inspect module ends making sure the height of each module ends relative to another. Verify positioning of the modules- all modules should be installed with Pin 1 located at the top of the ITA/receiver frame.
- Verify the receiver is securely attached to the instrument rack/ panel and that all mounting screws are in place securely.
- Check the receiver for any foreign objects that may interfere with engagement.

The engagement process:

1. Place the top rollers of the ITA onto the receiver's built-in "hangers" with the handle in the closed position (Fig. 2).
2. Properly align the ITA with the receiver for engagement (Fig. 3).
 - Place the ITA onto the receiver in the upright position.
 - The top/side notch of the ITA should align for "mating" with the keying tab on the top of the receiver.
3. Open the handle to the full "open" position, rotating the handle 90 degrees (Fig. 4).
4. The ITA and receiver may not line up as described due to additional weight on the ITA causing it to pull away from the receiver at the top.
 - To remedy, apply pressure to the top of the ITA to counter the weight that is pulling the top of the ITA away from the receiver (with the receiver handle in the "open" position) (Fig. 5). Then carefully engage the system by rotating the handle to the closed/engaged position (Fig. 6).
5. For a video tutorial, please visit: <https://youtu.be/UbTufJ2bcsQ>



Figure 1: Open/Disengaged position



Figure 2: Closed/Engaged position



Figure 3: Rollers resting on the "hanger" in the "closed" position



Figure 4: Handle in the "open" position with the ITA



Figure 5: Applying pressure to the top of the ITA



Figure 6: Rotating the handle to engage the system