

In this issue of Tech Tips, an important step is discussed; measuring the frame or between cross member space to make sure the APU and or battery box (between frame rail style) will fit on the frame of the truck. Frame mounting is more difficult with more sizes of frame now available.

The frame mounted Idle free systems are bolted directly to the truck's frame or clamped to the truck's frame using brackets, angle iron or frame clips. The trucks frame size determines what mounting options are available for APU mounting. See the figure & table below for fitment of the frame mounted APU.

Another BIG ISSUE is when a between frame rail battery box is used. **WITHOUT EXCEPTION**, there **MUST BE A MINIMUM OF 28"** of space, measuring from front to back, **BETWEEN CROSS MEMBERS**. BE SURE TO INCLUDE IN YOUR MEASUREMENT ANY 'GUSSETING' THAT IS OFTEN ON EACH END OF CROSSMEMBERS FOR STRENGTH. There may be 28" in the middle, from one cross member to the next, but often these gussets take up to 1" at each end.

### Important

#### Truck Frame Size

Three Idle Free Systems are mounted onto the Truck's Frame.

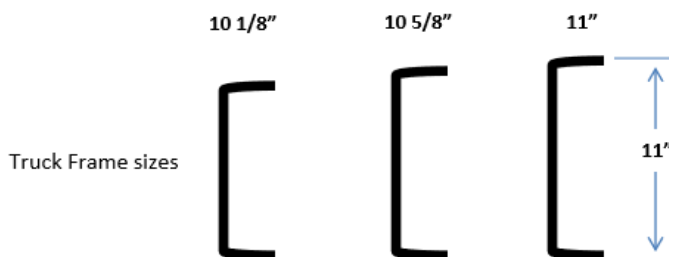
The frame mounted Idle Free Systems are bolted directly to the truck's frame or clamped to the truck's frame using brackets, angle iron, or frame clip.

The trucks frame size determines what mounting options can be used to APU mount the APU.

**The trucks frame must be measured prior to mounting the APU.**

If the truck's frame is less than 10 ½" (height, from flange to flange), the Idle Free System will not be bolted direct to the truck's frame or be mounted using a single angle iron bracket.

If the truck's frame is greater than 10 ½", the APU may be clamped to the truck's frame using IFS supplied hardware, brackets, angle iron, or frame clips.



Frame size  
Mounting Options

Frame Size	Direct to frame	Angle Iron Brackets	Offset Brackets	Steel Frame Clips
10 1/8"	Yes	Yes	NO	NO
10 5/8"	Yes	Yes	Yes	Yes
11"	Yes	Yes	Yes	Yes

**You can also use the eAPU & flex System configuration manual, conveniently located on the Dealer Portal to help further understand the correct eAPU mounting style to use.**

And as always, we can always be reached in the ways listed below.

Technical Support phone: (920) 206-9333 ext 1

Technical Support email: [techsupport@idlefreesystems.com](mailto:techsupport@idlefreesystems.com)