

February 2017 Edition

Idle Free Tech Tips

Hello,

Last month we sent some information your way on AGM batteries. This month we will cover some topics related to the installation of our frame rail unit (FRU) on a truck chassis. We often encounter small mistakes made during the installation. Always follow the installation instructions posted in the dealer portal. If you have questions or need assistance please call us anytime

Technical Support team: (920) 206-9333 ext 1
Technical Support email: techsupport@idlefreesystems.com

ATTENTION: *These tech tips are used to heighten awareness about certain subjects related to Idle Free products. **This is NOT an installation manual.** Always use the appropriate installation manual for the system you are installing.*

Mounting the eAPU's Frame Rail Unit

Special Tools Needed

Torque Wrench (calibrated)
Lifting Cart (600 lb)

Consideration: Protect your APU from the elements with a quarter fender add-on. Fender installation should take place before you mount the frame rail unit to ensure that the fender does not interfere with the positioning of the APU.

Hardware Options

- L-brackets
- Frame Gripper
- Direct Mount
- Series 2000 and 3000 systems have their own mounting hardware

Torqueing and Documentation

Always follow the installation instructions provided for the system you are installing.

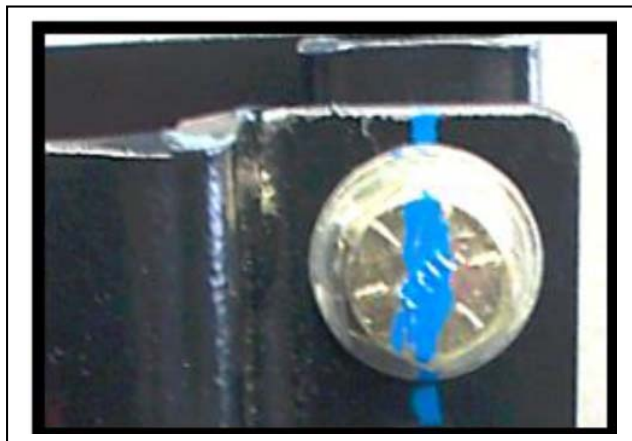


Warning: Torque must be measured as a dry torque without use of lubrication or anti-seize product. Improper torque of the mounting bolts can lead to loss of clamp force or bolt failure.


Note: All torque values in our manuals are dry-torque. DO NOT use lubricant or thread locker

After unit is installed to frame rail and proper torque applied to mounting hardware, add a vertical witness mark to each bolt.


- Make sure the mark extends to the frame bracket
- The mark verifies proper torque (212 foot pounds, dry torque). **Check instructions to ensure torque value for system you are installing**
- The mark is used as a visual sign of bolt head movement.




Affix Service Label to top of the APU cover

	NOTICE	
	Torque Check Service On the date noted in this box: <table border="1"><tr><td>Torque (ft / lbs)</td><td>Date</td></tr></table> <ol style="list-style-type: none">1. Verify the torque of the (4) APU truck frame mounting bolts.2. Paint or place (4) blue vertical lines on the newly torque-checked mounting bolts.3. Replace this label with a new label.4. Enter the torque level and date into the box for the next torque check (6 months from today). <p>#85021</p>	Torque (ft / lbs)
Torque (ft / lbs)	Date	

Enter date 6 months from installation date. This date is the next Torque Check Service Date.

 **WARNING**

The APU bolts need to be torqued to 212 foot pounds of torque. The APU warranty is voided if the mounting bolts are not properly torqued.

 **WARNING**

The APU must be attached to the frame using the correct APU bolt holes. The Idle Free warranty is voided if the wrong mounting holes are used.

All manuals and support documents are located in the dealer portal.

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