

KICKSTART

A SIMPLE CHANGE

Facing repeated demands on locomotive batteries?

Extend battery life, avoid costly repairs, and spend less time dealing with dead-won't-starts. With ZTR KickStart, you can improve starting reliability while reducing emissions. KickStart gets your locomotives going, green.



KICKSTART PERFORMANCE DATA

OPERATION	CRITERIA	PRIOR TO INSTALLATION	SINCE INSTALLATION	IMPROVEMENT %
KickStart assisted starts since installation	Total number of starts after KickStart installation	N/A	3815	
Crank time average (sec)	Average crank start time across 7 units (Less is better for lower wear and tear on starting equipment.)	8.71	6.57	+24.5%
Battery full-state-of-charge faults	Total number of times batteries reached a full state of charge (More is better as it indicates a healthier battery state of charge.)	4	32	+700%
Excessive starts due to battery voltage	Total number of times AESS was disabled due to AESS battery voltage starts (Less is better as AESS remains active and unit shutdown longer thus continuing to save fuel.)	96	21	+78%
AESS battery volt starts	Total number of times an AESS start occurred due to low battery voltage (Less is better as it indicates a healthier battery state of charge.)	1250	220	+84%

* Illustration using verified KickStart installation field data.

Whether it's cold weather starting, battery life extension or just overall starting reliability, KickStart offers proven results. And if you're also using an AESS system, KickStart has you covered. With less time to crank, you can offset the impact of frequent starts, cutting emissions, saving fuel, and helping the environment.

Contact us to find out more.