



Application Notice

February 7, 2008

AN08-01

TITLE

Sky-Tec HT/ec Model Lycoming Starters Suggested to Supersede all 24 Volt Original HT Model Lycoming Starters

EFFECTIVITY

All Sky-Tec customers ordering 24HT model starters from this date forward may receive equivalently pitched HT/ec model starters. See Cross Reference Below.

OVERVIEW

Twenty-four volt models of Sky-Tec's Original High-Torque (24HT models) Sky-Tec Lycoming starters have long utilized a 12V cranking motor that when operated on 24V produce an impressively high engine cranking RPM. While operators of HT model starters generally find the additional cranking RPM preferable, the small size and resultant thermal mass of the 24HT model starters required operators to conscientiously limit starter duty cycle of the starter to avoid undesirable heat buildup.

The newer HT/ec (ref. Extended Cranking) models feature a redesigned motor capable of cranking for extended periods of time with significantly less heat buildup. Cranking RPM of the HT/ec model starters is reduced marginally (generally less than 30% less cranking RPM than previous 24HT model starters) but starter duty cycle increases significantly (generally more than 3X longer duty cycle before thermal failure). In most cases, the additional duty cycle of the HT/ec model starters permits even the most difficult to start engines more than sufficient cranking cycles to clear vapor lock and improve hot starts, cold starts, fuel starvation or other similar starting challenges.

CROSS REFERENCE

Orders of traditional 24HT model starters will be filled with HT/ec model starters beginning immediately as follows:

PREVIOUS MODEL	REPLACEMENT
122-24HT	122-HT/ec
149-24HT	149-HT/ec
149-24HT/H (Robinson Helicopter)	149-HT/ec

EXCEPTION

Customers satisfied with the service life and performance of previous HT model starters , may continue to **special order** them from Sky-Tec for the foreseeable future. Order instructions should simply overtly specify the order be filled with traditional “Non-/ec” or similar instruction to ship model traditional 24HT starters.

QUESTIONS AND COMMENTS

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