



LYCOMING THUNDERBOLT ENGINE ORDER FORM

Customer Number (assigned w/ emp kit)		Full Name	
Day Phone	E-mail		
Eve. Phone	Fax		
Mailing Address		Shipping Address (if different)	

LYCOMING THUNDERBOLT ENGINES (v=vertical, h=horizontal, fp=fixed pitch, cs=constant speed)

Engine Model	HP	Induction	Prop Type	Cylinders	Notes	Thunderbolt Price	ATC PN
YO-320-D1A	160	v	fp/cs	4	Suitable for RV-3, 4, 6/6A, 7/7A, 8/8A, 9/9A		ATC-RT0283
YIO-320-D1A	160	v	fp/cs	4	Suitable for RV-3, 4, 6/6A, 7/7A, 8/8A, 9/9A		ATC-RT0285
YO-320-D2G	160	v	fp	4	Suitable for RV-3, 4, 6/6A, 7/7A, 8/8A, 9/9A		ATC-RT0287
YO-360-A1A	180	v	fp/cs	4	Suitable for RV-4, 6/6A, 7/7A, 8/8A		ATC-RT0289
YIO-360-M1B	180	h	fp/cs	4	Suitable for RV-6/6A, 7/7A, 8/8A		ATC-RT0294
YIO-360-A1B6	200	h	cs	4	Suitable for RV-7/7A, 8/8A		ATC-RT0291
YIO-390-A3B6	210	h	cs	4	Suitable for RV-14/14A only		ATC-RT0297
YIO-540-D4A5	260	v	cs	6	Suitable for RV-10 only. Requires Slick-Start magneto booster system. Includes SINGLE pulley flywheel.		ATC-RT0293

THUNDERBOLT ENGINE OPTIONS

OPTION PRICE

STANDARD MAGNETO LAYOUT One impulse (4 cyl - retard on IO-540), one plain magneto Default No cost—check box	
REPLACE PLAIN MAGNETO WITH E-MAG (n/a for IO-540)	
DUAL IMPULSE MAGNETO OPTION (n/a for IO-540)	
REMOVE ONE MAGNETO (PLAIN)	
REMOVE BOTH MAGNETOS	
PRE-DRILLED FOR LIGHTSPEED IGNITION	
CHROME PUSHROD SHROUD TUBES	
RING GEAR DUAL PULLEY FOR A/C — IO-540 ONLY No cost—check box if required	
AIRFLOW PERFORMANCE INJECTION (AvStar standard) No cost—check box if required See Note 1 below	
Note 1: AP Injection requires modifications to Van's FWF Filtered Airbox.	
COLOR: GRAY—RED - BLACK Select ONE — write selected color in box No cost	
COLOR: TWO-TONE LYCOMING GRAY, RED OR BLACK Write desired colors here:	
COLOR: CUSTOM Write desired color here:	
COLOR: TWO-TONE CUSTOM Write desired colors here:	
A Thunderbolt associate will contact you to confirm your color preferences	
TOTAL: Add all base engine and options prices, and transfer to next page	

Signature:

Date:

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TOTAL FROM PREVIOUS PAGE	
PROP BUNDLE OPTION enter	
SHIPPING CHARGES (in Cont. USA) 4-cyl, enter 6-cyl, enter	
LIFTGATE NEEDED AT DESTINATION? enter	
TOTAL PRICE	
25% DEPOSIT	
METHOD OF PAYMENT (25% of total deposit required) CC #: _____ Exp: _____	
BALANCE REMAINING (Due to the very competitive OEM prices of these engines, Van's can only accept Visa/Mastercard/Discover for the 25% deposit. The 75% balance MUST be paid by cash, check, money order or bank transfer.)	
THESE ITEMS WILL BE INSTALLED IN MY RV- () (enter type)	
Signature: _____	Date: _____

Van's Aircraft, Inc. has an OEM agreement with Lycoming Engines that allows us to offer factory-new engines at very favorable prices. This agreement has several requirements: Engines are available only to RV builders with a Van's customer number and must be installed on the corresponding airplane. Builders must have purchased, or have on order, all kits through the Finishing Kit for that customer number. Only one (1) engine per Customer Number may be purchased. Only the models listed below are available. Customer instigated delays may result in price increases. Prices subject to change without notice.

- Certified engines have all the certifications necessary to install them in a production airplane and are available upon request. Non-certified engines are functionally and mechanically identical, but do not have the certifications, which are not required for airplanes licensed in the Experimental category.
- All engines are equipped with roller tappets, dual magnetos, ignition harness, fuel pump, starter, vacuum pump drive, prop governor drive, and Avstar carburetor or injector. 149 tooth ring gear. Alternators, exhaust systems, vacuum pumps, governors, etc. vary according to aircraft type and are not supplied.
- Thunderbolt engines include all features from Van's Non-Cert engines, with the addition of precision static balancing of pistons, rods, and piston pins to 0.5 grams, porting and polishing with volumetric cylinder matching, chrome rocker covers, and customized paint options.
- Van's does not maintain a stock of engines. A 25% non-refundable deposit is required with order. Full payment must be received before shipment.
- Within the USA/Canada engines ship directly to the customer from Lycoming. Higher shipping charges apply to engines shipped to Alaska, Hawaii, and Canada. Exact amounts depend on destination and will be billed separately. International orders will ship to Van's. Shipping charges below apply. Shipping charges from Van's to final destination additional. To ensure proper shipment, this form must be completed, signed and included with order.
- Payment in U.S. funds: check, money order, or Visa, Mastercard, or Discover.

E-Mail to: kits@vansaircraft.com

Do not submit Credit Card information via email! If you plan to email your order form to Van's and pay with a credit card, please omit any credit card information from the form and either call us with your CC# or use Van's Webstore to make a secure online payment.

Make a secure payment: <http://www.vansaircraft.com/cgi-bin/store.cgi?&browse=misc&product=payment>