



## RAM AIRCRAFT, LP

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**ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S**

### TSIO-520-LB or -WB Beech Baron 58P/TC

#### RAM OHE Continental TSIO-520-LB or -WB Engine

- Horsepower:  
[ -LB = 310 hp ] [ -WB = 325 hp ]
- TBO:  
[ -LB = 1400 hrs. ] [ -WB = 1600 hrs.]
- RAM New Cylinders - NE
- Crankcase - heavy -w/ 7th studs - OHE
- Crankshaft - OHE
- Camshaft - RAM High Efficiency
- Starter and starter drive - OHE
- Spark plugs - new
- Magneto harness - Champion - new
- Magnetos - Champion Slick 6320 - NE  
[ pressurized ]
- Fuel injection system - OHE
- Induction couplings - intake manifold - new
- Metal baffles - refurbish and paint - exchange
- Baffle seals - RAM *SureStand* red silicone rubber - new
- Oil filter - new
- Oil cooler: Flushed and inspected - exchange
- Balance - crankshaft and rod sets - exchange
- Core Return Policy - See: RAM Exchange Core Policy on Page 2.
- Also see:  
[RAM Value Option & Compliance Items.](#)

OHE = Overhauled Exchange  
NE = New Exchange -OEM or PMA  
New = New Outright - OEM or PMA  
New Items = Subject to test time, ferry time and inventory time.

#### Kit Components - Packaged Separately and Included

- Air filter - new
- Fuel servo - OHE
- Turbocharger - with exhaust bypass valve - OHE
- Turbo Check Valve - new
- Turbo controller - OHE
- Overboost relief valve - OHE
- Aft induction sleeves - induction tube to throttle body servo, and Induction tube to turbocharger - new
- Duct - from intake manifold riser wye to intercooler - new
- Duct - intercooler to throttle body servo - new
- Duct - turbo inlet to air filter - new
- Fuel, Oil, and Induction - Primary Hose Kit - *Teflon* heavy duty hoses with integral fire sleeve - new
- Spare accessory gasket set - new

#### RAM OHE Engine

**CMI TSIO-520-LB or -WB: \$54,736**

Shipped - exchange, or Custom Overhauled - exchange

## Additional Specifications

- **RAM Overhauled Engine TBO Warranty:**  
100% Engine and accessories for the 1st year, or 500-hrs, whichever occurs first. Thereafter, the engine only is warranted on a prorata basis to TBO at RAM's reduced minimum accrual rate of only 30 hours per month, thus extending coverage over four years. For complete details go to [www.ramaircraft.com/ramtbowarranty](http://www.ramaircraft.com/ramtbowarranty)
- **Purchase one engine now match it later:** Anticipating an upgrade from 310 hp -LB engines to a 325 hp -WB RAM STC'd Upgrade Package, purchase first engine now. Match it in the future with a second RAM OHE CMI TSIO-520-WB engine. First engine will be set-up to deliver 310 horsepower, but later when paired with a second RAM ( -WB ) OHE engine, both will be tuned to 325 hp ( -WB ) applicable to RAM's STCs and propellers appropriate to the 325 hp ( -WB ) upgrade.
- **Exchange Core Policy:** Engine, crankcase, crankshaft, internal gears, exhaust, accessories, propeller, governor, and hardware items are only sold on an exchange basis, based upon the customer's exchange of like type and normal runout cores as removed from subject aircraft, and serviceable to RAM's overhaul specifications. Cores should be returned within 30 days of RAM OHE engine shipment, or immediately with a RAM installation. Non-serviceable core fees will be due and payable to RAM.
- **Items not included:** Intercooler, alternator, steel engine mount structure, engine mounts, air/oil separator, vacuum pump, tach generator, exhaust risers and exhaust parts are not included unless specified by a RAM Work Order Supplement.
- **Customer - Discuss the following with your RAM Representative before ordering.**
  - **Aftermarket STCs:** Engine parts and accessories required by aftermarket STCs such as, but not limited to, turbo normalizing and fuel pump changes, are not included with a RAM OHE engine.
  - **Aftermarket STC Parts:** Substitution or addition of aftermarket parts is an additional charge. Please review with RAM prior to engine overhaul. Pre-shipment of aftermarket cores may be required.

## Optional Parts and Engine Installation Items

- **STC:** Upgrade 310 hp TSIO-520-LB engine pair to 325 hp ( -WB ) engine pair: \$3,000
- **Complete PMA New Exhaust System:** Purchased with an engine: \$6,505 /engine.  
[ From risers to exhaust overboard, including clamps - new ]
- **Engine shock mounts** - Engine set of ( 4 ) - new: \$728
- **New Propellers** - McCauley C-521 - includes propellers, spinners, and de-ice kit. Must be ordered as a pair to replace existing Hartzell props.  
New C-521 propellers may be installed on -LB or -WB engines.
  1. New McCauley C-521 Propeller kit - pair - New Outright: \$50,546
  2. New McCauley C-521 Propeller kit - pair - New exchange: \$48,546  
[ Serviceable exchange cores required. ]
- **Propeller un-feathering accumulator:** The un-feathering accumulator is a source for contaminating engine oil. RAM recommends older accumulator be disabled unless replaced by a newer unit. Each - OHE: \$875 [ Core charge: \$400 ]
- **Upgrade** from standard massive plugs to fine wire spark plugs. Per engine - new: \$923
- **RAM Parts Catalog** - Engine and Engine Installation Parts. Ask for a free copy.
- **New 100 amp Alternator Package:**  
Hartzell Engine Technologies ALV9610 with nut, thrust washer, cotter key, and New PMA Alternator clutch. When purchased with an engine RAM will install for no additional cost. (Retail \$2,444) Only when purchased with a RAM engine: \$1,462 each - Exchange

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