



RAM AIRCRAFT, LP

7505 Karl May Drive • Waco Regional Airport • P.O. Box 5219 • Waco, TX 76708
Phone: (254) 752-8381 • Fax: (254) 752-3307 • www.ramaircraft.com

ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S

Baron 58P/TC

RAM Overhaul & Improvement Package (R.O.I.)

Two Engines - OHE CMI TSIO-520-WB or -LB

- Horsepower: - WB - 325 hp ; -LB - 310 hp
- TBO: -WB - 1600 hr. ; -LB - 1400 hr.
- Cylinders - NE
[RAM Nickel New Cylinder Package]
- Crankcase - heavy style case - OHE
[with 7th studs on cylinder bases]
- Crankshaft - OHE
- Camshaft - RAM high-efficiency
- Alternator - exchange
- Starter and starter drive - OHE
- Magnetos - Champion Slick 6320 - NE
[pressurized]
- Starter and starter drive - OHE
- Spark plugs - new
- Magneto harness - Champion - new
- Fuel injection system - OHE
[and Fuel Servo - OHE]
- Turbocharger - OHE
[and exhaust bypass valve - OHE]
- Turbo Check Valve - new
- Turbo controller - OHE
- Overboost relief valve - OHE
- Intercooler - exchange
[clean, inspect and repair]
- Induction couplings - RAM PMA - new
- Air filter - RAM - new
- Metal baffles - exchange
[refurbished and painted]
- Baffle Seals - new
[RAM SureStand red silicone rubber]
- Aft induction sleeves - new
[induction tube to throttle body servo]
[induction tube to turbocharger]
- Vacuum pump cooling shroud - Baron
[re-use - clean, inspect and repair]
[for dry vacuum pump]
- Oil cooler - NE
- Air/oil separator - exchange
[if on core - clean, inspect and repair]
- Precision balance - exchange
[crankshaft and rod sets]
- Core Return Policy - See:
RAM OHE CMI TSIO-520
Engine Overhaul Specifications.
- Also see:
RAM Value Options & 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.

Installation Parts - Included

- Wastegate and Actuator assembly - OHE
- Primary fuel, oil and induction hose kits - heavy duty - Teflon™ - new
- Duct - intake manifold riser wye to intercooler - new
- Duct - intercooler to throttle body servo - new
- Duct - turbo inlet to air filter - new
- Engine shock mounts - new
- Exhaust clamps - elbow to collector - new
- Gaskets - collector to turbo - new

Upgrade Kit - Included - Baron 58P/TC

- Propellers - Select from Options 1, 2 and 3
- Governors - Select from Options 1, 2 and 3
- Shadin Digiflo-L electronic fuel management system - new
[without RAM connecting the avionics interface] [DER approved]
- Upgrade 310 hp - LB to 325 hp - WB [STC issued as applicable]
[No additional engine charges as long as STC's propeller requirement is met.]
[See Propeller Option 3 - Note (1.)]

RAM Overhauled Engine TBO Warranty

100% Engine, propeller, 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/rambowarranty

Installation and Set-up

- Each aircraft receives a detailed preflight and flight inspection to ensure airworthiness and to document performance of instruments, flight controls, landing gear, accessories, lights, and avionics.
- Discrepancies are brought to customer's attention. Unairworthy items must be repaired at customer's expense during RAM proceedings in order for RAM to set up, fly, and deliver the finished product.
- Old engines are removed. Steel engine mounts are cleaned, inspected repaired and painted. Engine beds cleaned & inspected. Four hrs. labor per engine standard.
- Due to its tendency to contaminate the engine oil supply, if installed, the propeller unfeathering accumulators will be disabled unless optionally replaced with a newer unit. OHE: \$875 / each
- Applicable RAM R.O.I. Installation Parts and Upgrade Kit are installed.
- Engines installed and setup, involving multiple flights and fuel.
- Aircraft washed. Interior cleaned prior to delivery and customer acceptance.

Baron 58P & 58TC

Three Complete RAM (R.O.I.) Packages:

Installed at RAM - exchange

- RAM OHE TSIO-520-WB or -LB engines
- Installation Parts - Included
- Installation and Set-up
- Propellers - Option 1, 2, or 3a / 3b
- Governors - Option 1, 2, or 3a / 3b
- **RAM (R.O.I.) Option 1.....\$105,858**
Propellers - Reuse Customer's
Governors - Reuse Customer's
[To reuse, propellers and governors must be airworthy.]
- **RAM (R.O.I.) Option 2.....\$118,370**
Propellers - Overhaul Customer's
Governors - overhaul - exchange
[Overhaul is a condition item]
[Additional charges apply if prop OH exceeds \$4,500 / each.]
[Additional charges apply if governor OH exceeds \$1,050 / each.]
- **RAM (R.O.I.) Option 3a.....\$124,390**
(a) Propellers - New Hartzell - NE
[Includes De-ice boots - new] [Without spinner - reuse customer's]
Governors - overhaul - exchange
[Additional charges apply if governor OH exceeds \$1,050 / each.]
- **RAM (R.O.I.) Option 3b.....\$145,079**
(b) Propellers - New McCauley C521 - NE
[Includes de-ice boots and slip rings - new] [with spinner and bulkhead - new]
Governors - overhaul - exchange
[Additional charges apply if governor OH exceeds \$1,050 / each.]
Re: Option 3 - Note:
A few 310 hp Baron 58Ps have Hartzell FC8468 propellers. The STC for upgrading to 325 hp does not include FC8468 propellers; therefore, customer needs to select Option 3 New Propeller Package above. Serviceable FC8468 propellers are acceptable as exchange cores.

Beech Baron 58P/TC - New Exhaust - exchange

Complete PMA New Exhaust System, from risers to overboard pipe, including clamps.
Installed at RAM concurrent with an engine installation - exchange: **\$6,633** / per engine