



RAM AIRCRAFT, LP

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 Phone: (254) 752-8381 • Fax: (254) 752-3307 • www.ramaircraft.com

ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S

Standard Overhaul Package - at RAM

For Cessna piston twins with factory original 310 hp TCM TSIO-520-NB engines, or, for prior RAM Series II, III, IV, VI & VII configured at 310 hp, 325 hp, or 335 hp.

Two Engines - OHE TCM TSIO-520-NB

- | | |
|---|---|
| <ul style="list-style-type: none"> • Model - TCM TSIO-520-NB - OHE • Horsepower: 310, 325, or 335
[applicable to existing configuration] • TBO - 1600 hrs. • Cylinders - NE
[RAM <i>Nickel New</i> Cylinder Package] • Crankcase - heavy style case - OHE
[with 7th studs on cylinder bases] • Crankshaft - OHE • Camshaft - RAM high efficiency • Alternator - OHE
[reuse serviceable clutch] • Starter and starter drive - OHE • Magnetos - Champion Slick 6320 - NE
[pressurized] • Spark plugs - new • Magneto harness - Champion - new • Fuel injection system - OHE • Turbocharger - OHE • Turbo controller - OHE • Overboost relief valve - OHE • Intercooler - exchange
[inspected and repaired] | <ul style="list-style-type: none"> • Induction flex elbows - RAM new • Air filter - RAM new • Metal baffles - exchange
[refurbished and painted] • Baffle Seals - new
[RAM <i>SureStand</i> red silicone rubber] • Cooling shroud - RAM new
[for dry vacuum pump] • Oil cooler - NE • Air / oil separator - exchange
[inspected and repaired] • Precision balance - exchange
[crankshaft and rod sets] • Core Return Policy - See:
RAM OHE TCM 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

- Propellers - Select option 1, 2 or 3 below.
- Governors - Select option 1, 2, or 3 below.
- Primary fuel and oil hose kits - new
[heavy duty *Teflon™*]
- Wastegates and actuators - RAM OHE
- Engine shock mounts - new
- Exhaust slip joints - PMA new
- Engine gauges [3-in-1] - Check calibration
- EGT probes - new

Installation & Set-up

- Each aircraft receives a detailed preflight and high altitude 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. Engine beds are cleaned. Mount structures are inspected and corrosion treated. Four hours labor per engine is 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 Standard Installation Parts are installed.
- Engines installed and set up, involving multiple high altitude test flights and fuel.
- Aircraft washed. Interior cleaned prior to delivery and customer acceptance.

Standard Overhaul at RAM

Three Complete Packages

All exchange basis and Include:

- RAM OHE TCM TSIO-520-NB engines
- Installation Parts - Included
- Installation and Set-up
- Governors - per option 1, 2, or 3
- Propellers - per option 1, 2, or 3

Select a Standard Overhaul by propeller & governor option

- **Option 1.....\$101,462**
Propellers - Reuse and Flush Customer's
Governors - Reuse and Flush Customer's
[To reuse, propellers and governors must be airworthy.]
- **Option 2.....\$113,364**
Propellers - Overhaul Customer's
Governors - Overhaul Customer's
[De-ice boots are not included with prop overhauls]
[Overhaul is a condition item]
[Additional charges apply if propeller OH exceeds \$4,500 / each.]
[Additional charges apply if governor OH exceeds \$1,050 / each.]
- **Option 3.....*\$120,383**
Propellers:
a. New Hartzell - *ScimitarPlus* - NE
[Spinners - 1-piece polished and bulkheads - New]
[De-ice boots are included - New] [Slip ring is refurbished - exchange]
b. New McCauley - C515 SabreTip - NE: Add \$6,060
[Spinners and bulkheads - reuse customer's]
[De-ice boots are included - New] [Slip ring is refurbished - exchange]
Governors: McCauley MC-1 - Exchange

* 414A: Selecting option 3 (New ScimitarPlus or C515 propellers) must have RAM VG's installed and airspeed indicator remarked. Add: \$1,699 if VG's are not installed.

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