



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

TSIO-520-R or -M Cessna T210 & T206

RAM OHE Continental TSIO-520-R or -M Engine

- Horsepower: 310 hp
- TBO: 1600 hrs.
- SAP Millennium Cylinders - NE
- Crankcase - w /7th studs on heavy style case, like type heavy core required - OHE
- Camshaft CMG - NE
- Crankshaft - OHE
- Starter and starter drive - OHE
- Spark plugs - new
- Magnetos - Champion Slick 6320 pressurized magnetos - NE
- Magneto harness - Champion - new
- Fuel Injection System - OHE
- Oil cooler:
- Engine mount: Flushed and inspected - exchange
- Remote mount - Flush, inspect, and reuse customer's serviceable core.
- Intercylinder baffles - refurbished and painted - exchange
- Balance - crankshaft and rod sets - exchange
- Oil filter - new
- Throttle and control assembly - OHE
- Couplings - Throttle body to Intake manifold - new
- Couplings - Induction manifold - new
- 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.

Accessory Kit Components - Packaged Separately & Included

- Baffle Seal Kit - RAM pre-cut *SureStand* RAM red silicone rubber - new
- Air Filter - new

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

RAM OHE Engine

CMG TSIO-520-R or -M: \$43,938

Shipped - exchange, or Custom Overhauled - exchange

Exchange Core Policy

- Engine, crankcase, crankshaft, internal gears, exhaust, accessories, propeller, governor, and hardware items are only sold on an exchange basis, based upon customer's exchange of like type and normal runout cores as removed from subject aircraft aserviceable 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 & payable to RAM.

Optional Installation Kit - Recommended during Engine Overhaul

- Wastegate and Actuator Assembly - OHE*
- Induction Duct - RAM - new
- Overboost Relief Valve - OHE*
- Couplings - turbo to throttle body - new
- Primary Fuel and Oil Hoses - *Teflon* w/integral fire sleeve - new
- Other installation parts included in kit are medium pressure hose, pressure relief valve, turbo and wastegate gaskets, o-rings, nuts, bolts, screws, and washers.
- Turbocharger - OHE*
- Turbo Controller - OHE*
- Transition Duct - new
- Alternator - OHE*

Optional Installation Kit: \$9,664

- **Customer's Baffles:** RAM will refurbish and install the remainder of the customer's serviceable engine baffles and the new RAM *SureStand* baffle seal kit, if customer will ship them to RAM at least seven working days prior to engine shipment to customer. Price does not include replacement of missing or unrepairable baffles. Per engine: \$1,500 OEM style baffles only.

Optional Installation Parts - Recommended during Engine Overhaul

- **PMA New Exhaust Package** - T210 and T206 PMA-New modified exhaust system, complete with risers, wastegate adapter, tailpipe, and all clamps - new: AWI Kit: \$4,705 Knisley Kit: \$5,488
- **New Engine Mount Kit** - T210001-64897 & TU206: \$1,847
- **Cylinder Upgrade Options:**
 - Upgrade SAP Millennium cylinders to nickel: \$1,700 per engine.
 - Ask your RAM Representative for current market prices for CMG cylinders.

Optional Engine Horsepower Upgrade - From 285 hp up to 310 hp [310 hp RAM STC Only] or [310 hp RAM STC plus Upgrade Hardware Kit G]

- **310 hp Engine Upgrade - RAM STC**
Upgrade hp from 285 hp to 310 hp - early Cessna T210 and T206 series aircraft. Applicable are: Cessna T206 A through F models, years 1966 through 1976. Cessna T210 F through L models, years 1966 through 1976.
Cessna T206: The TSIO-520-C 285 hp is replaced by a TSIO-520-M 310 hp. STC requires propeller change. [See McCauley and Hartzell Propeller Options]
Cessna T210: The TSIO-520-H 285 hp is replaced by a TSIO-520-R 310 hp. STC requires propeller change. [See McCauley and Hartzell Propeller Options]
- **310 hp RAM STC Only**
 - Appropriate RAM STC Installation Authorization, RAM Drawings, Supplemental Flight Manual, Placards - RPM avoidance and Fuel Flow, and RAM Power Card.
 - Per aircraft serial number: \$1,500
- **310 hp RAM STC w/ Installation Hardware Kit G**
 - Appropriate RAM STC Installation Authorization, RAM Drawings, Supplemental Flight Manual, Placards - RPM avoidance and Fuel Flow, and RAM Power Card.
 - Needed hardware and compliance items to install a new prop and a 310 hp engine into a Cessna T210 or T206 originally manufactured with a 285 hp engine.
 - Manifold / Fuel Pressure - gauge - OHE • Tachometer - new
 - Battery vent kit - new • Tubes - Manifold drain
 - Per aircraft serial number: Kit G and STC items are sold on an exchange basis and require the return of all applicable cores within 30 days. [required to be repairable]
 - RAM Kit G w / STC - Exchange: \$3,580 [Core Charge: \$500]
 - TP206A/B/C - TU206A/B/C - T210F/G/H - Add \$1,954
- **310 hp Upgrade requires propeller change: McCauley or Hartzell Propeller.**
 - **McCauley C402 Propeller & STC**
D3A34C402/90DFA without de-Ice boots. New Outright: \$11,995
[To include new de-Ice boots, add: \$1,250] [Replacement spinner may be required at additional charge.]
 - **McCauley Governor - Exchange**
With purchase of Kit G w /RAM STC, optionally available is a new McCauley governor Model C290D4/T2, Part Number C20373-1: Exchange basis: \$2,100
 - **Hartzell Q-Tip Propeller, Spinner, Bulkhead & STC**
PHC-J3YF-1RF/F7663D-2Q without de-Ice boots. New Outright: \$12,069
[To include new De-Ice boots, add: \$1,250]
 - **Hartzell ScimitarPlus SE Propeller, Spinner, Bulkhead & STC**
Model C3F156 or J3F9050 depending on aircraft model, without de-Ice boots.
New Outright: \$12,100 De-ice boots: \$1,250

*These items are exchange parts. The customer must return their old part in exchange for the unit in the kit.

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