



RAM AIRCRAFT, LP

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ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S

IO-520-MB Cessna 310R

RAM OHE Continental IO-520-MB Engine

- Horsepower - 285 hp
 - TBO - 1700
 - RAM *Nickel New* Cylinder - NE
 - Crankcase - OHE
[heavy / with 7th studs]
 - Crankshaft - OHE
 - Camshaft - RAM High Efficiency
 - Alternator - OHE
[Note: Specify Amps]
 - Starter and starter drive - OHE
 - Spark plugs - new
 - Magneto harness - Champion - new
 - Oil filter - new
 - Magnetos - Bendix 200 Series - OHE
[S6RSC-201 & 205]
 - Fuel injection system - OHE
 - Induction couplings
intake manifold - new
 - Intercylinder baffles - refurbish, painted and installed - exchange
 - 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 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.

Kit Components - Packaged Separately and Included

- Air filter - RAM - new
- Duct - induction riser to throttle body - new
- Throttle and control assembly
- **Engine oil - break-in oil - new**
- **Cooling shroud - for dry vacuum pump - RAM - new**
- Spare accessory gasket set - new
- Baffle seals - RAM pre-cut red silicone rubber - new
[baffle seals are installed by the engine installer]
- Hardware Kit - riser to muffler

RAM OHE Engine

CMI IO-520-MB: \$37,882

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
- **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:** Vacuum pump, hoses, **alternator**, exhaust risers and exhaust parts are not included unless specified by an optional purchase order and a work order supplement issued at the time of engine order placement.
- **Propeller unfeathering accumulator:** Source for contaminating engine oil.
RAM recommends it be disabled unless replaced by a newer unit. Each - OHE: \$875 [Core charge \$400]
- **Crankcase Upgrade:** RAM overhauls engines using only heavy crankcases. Upgrade light exchanged core crankcase to heavy crankcase. Ask your RAM Sales Consultant for current prices.
- **Crankshaft Upgrade:** RAM only uses large diameter VAR crankshafts. If the exchanged core crankshaft is not a large diameter VAR crankshaft additional upgrade charges apply. Ask your RAM Sales Consultant for current prices.
- **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: \$450 OEM style baffles only.

Optional Parts and Engine Installation Items

- Propellers: New McCauley C528 pair, includes new polished spinners: New outright: Without boots: \$27,000
With boots: \$34,000
- Propellers: New Hartzell Top Prop pair, plus airframe kit: New outright: Without boots: \$23,800
With boots and airframe kit: \$28,100
- Prop spinner assemblies: Polished McCauley - pair - new: \$4,968
- RAM RPS2000 electronic synchrophaser (w/DER approval) and two OHE McCauley MC-1 governors - exchange: \$5,351
- Primary fuel and oil Teflon™ hoses: (2) engine sets - new: \$1,823
- Engine shock mounts: (1) engine set of (4 ea.) - new: \$1,028
- EGT gauge, leads, and 2 probes: range marked - new: \$838
- Exhaust muffler - Stainless - each - new: \$442
- Exhaust risers - Stainless - each - new: \$730
- Vacuum pumps: (Aircraft with de-ice boots)
 - Tempest AA442CW - each - NE: \$1,535
 - Tempest AA3216CW - each - NE: \$615
- Shadin Digiflo-L Electronic Fuel Mgmt. System - new: \$3,935 [without avionics interface]
- Engine control cables - throttle, prop, mixture, and alternate air - RAM PMA new - each: Call
- Tach generator - OHE - each: \$728
- Upgrade from standard massive plugs to fine wire spark plugs. Per engine - new: \$895 New
- **24v, 100 amp Alternator Package** for airplanes with existing 100 amp alternators: 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 \$2,071) Only when purchased with a RAM engine: \$1,199 each - Exchange
Ask your RAM Representative for details on your alternator options for airplanes with other configurations.
- **Cooling Shroud Kit** for dry vacuum pump - New: \$55 each

