



## RAM AIRCRAFT, LP

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

### IO-520-MB Cessna 310R

#### RAM OHE TCM IO-520-MB

- Horsepower - 285 hp
  - TBO - 1700
  - RAM *Nickel New* Cylinder - NE
  - Crankcase - OHE  
[ heavy / with 7th studs ]
  - Crankshaft - OHE
  - Camshaft - RAM
  - 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 - NE
  - Balance: crankshaft and rod sets - exchange
  - Core Return Policy - See: [RAM OHE TCM IO-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.

#### 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 TCM IO-520-MB: \$30,365

Shipped - exchange, or Custom Overhauled - exchange

## Additional Specifications

- **RAM's TBO Warranty Support Program:**  
100% Engine and Accessories 1st yr, or 350 hrs, whichever occurs first.  
100% Engine only for two (2) yrs or 700 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 23 hours per month, thus extending coverage out to six years.
- **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, 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 un it.  
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

## Optional Parts and Engine Installation Items

- Propellers: New McCauley C528 pair, includes new polished spinners:  
New outright: Without boots: \$19,300 With boots: \$22,400
- Propellers: New Hartzell ScimitarPlus pair, plus airframe kit:  
New outright: Without boots: \$19,300 With boots and airframe kit: \$22,300
- Prop spinner assemblies:  
Polished - pair - new: \$4,508
- Prop de-ice boots, leads and hardware:  
Pair - new: \$1,832
- RAM RPS2000 electronic synchrophaser ( w/DER approval )  
and two OHE McCauley MC-1 governors - exchange: \$4,658
- Primary fuel and oil *Teflon*<sup>TM</sup> hoses:  
( 2 ) engine sets - new: \$1,458
- Engine shock mounts:  
( 1 ) engine set of ( 4 ea. ) - new: \$828
- EGT gauge, leads, and 2 probes:  
range marked - new: \$740
- Exhaust muffler - Stainless - each - new: \$399
- Exhaust risers - Stainless - each - new: \$675
- Vacuum pumps: ( Aircraft with de-ice boots )
  - Tempest AA442CW - each - NE: \$1,504
  - Tempest AA3216CW - each - NE: \$572
- 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: \$524
- Tach generator - OHE - each: \$495
- Upgrade from standard massive plugs to fine wire spark plugs. Per engine - new: \$731