



## RAM AIRCRAFT, LP

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

### Cessna T310/320

#### RAM Overhaul and Improvement Package ( R.O.I. ) - Series I

##### Two Engines - OHE CMI TSIO-520-EB

- Horsepower - 300 hp
- TBO - 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 ]
- Spark plugs - new
- Magneto harness - Champion - new
- Fuel injection system - OHE
- Turbocharger - OHE
- Turbo controller - OHE
- Overboost relief valve - OHE
- Induction couplings - RAM - new
- Air filter - RAM - new
- Metal baffles - exchange  
[ refurbished and painted ]
- Baffle Seals - new  
[ RAM *SureStand* red silicone rubber ]
- Cooling shroud - RAM - new  
[ for dry vacuum pump ]
- Oil cooler - NE
- Air / oil separator - exchange  
[ cleaned, inspected and repaired ]
- Precision balance - exchange  
[ crankshaft and rod sets ]
- Breather, rod, and cap - OHE  
[ Stainless steel ] [ oil dipstick ]
- 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

- Wastegates and actuators - OHE
- Engine shock mounts - new
- Exhaust slip-joints - PMA - new
- Induction elbows - turbo outlet and turbo inlet - new
- Primary fuel and oil hose kits - heavy duty - *Teflon*<sup>™</sup> - new

##### 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/ramtbowarranty](http://www.ramaircraft.com/ramtbowarranty)

## Upgrade Kit - Included - Series I - 300 hp

- Propellers - Hartzell ScimitarPlus - NE  
[ Includes de-ice boots - new ]  
[ Spinner and bulkhead - NE ] [ slip ring - refurbished exchange ]
- McCauley MC-1 Governors - exchange
- Propeller Electronic Synchrophaser Control Box - RAM RPS2000 - new
- Shadin Digiflo-L Electronic Fuel Management - new  
[ without RAM connecting the avionics interface ]
- EGT gauge range marked - new  
[ with probes - new ] [ new leads as required ]
- Tach, MP and 3-in-1 engine gauges  
[ check calibration and range mark ]
- Serviceable ( non-TAS ) airspeed indicators - remarked  
[ If TAS indicator is currently installed, consult with your RAM representative. ]
- Gross Weight Increase STC and Flight Manual Supplement  
T310 P [ + 270 lbs. Useful load ] [ GW from 5,400 up to 5,670 lbs. ]  
T310 Q [ +170 lbs. Useful load ] [ GW from 5, 500 up to 5,670 lbs. ]

## 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. 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. Prop Unfeathering Accumulator: \$875 / each - OHE
- Applicable RAM R.O.I. Installation Parts and Upgrade Kit are installed.
- Engines installed and set up, involving multiple flights and fuel.
- Aircraft washed and interior cleaned prior to delivery and customer acceptance.

## Cessna T310/320

### RAM Complete ( R.O.I. ) Package: \$123,690

Installed ar RAM - exchange

- **RAM OHE CMI TSIO-520-EB Engines - 300 hp**
- **Installation Parts - Included**
- **Installation and Set-up**
- **Upgrade kit - Series I**
- **Note: Upgrading from TSIO-520-B, -BB, or -E**  
[ additional upgrade charge for Turbo controller: \$800 / engine ]