Cessna 340/A
RAM Overhaul & Improvement Package (R.O.I.) - Series IV

Two Engines - OHE Continental TSIO-520-NB

- Horsepower - 325 hp
- TBO - 1600 hrs.
- SAP Millennium Cylinders - NE
- Crankcase - heavy style case - OHE [with 7th studs on cylinder bases]
- Crankshaft - OHE
- Camshaft - RAM high-efficiency - NE
- Starter and starter drive - OHE
- Magneto - 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 [inspect and repair]
- Induction couplings - RAM - new

- Air filter - RAM - new
- Metal baffles - exchange [refurbished and painted]
- Baffle Seals - new [RAM SureStand red silicone rubber]
- Oil cooler: Flushed and inspected - exchange
- Air / oil separator - exchange [inspected and repaired]
- Breather, rod and cap - OHE [Stainless Steel]
- Precision balance - exchange [crankshaft and rod sets]
- 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.

Installation Parts - Included

- Wastegates and actuators - RAM - OHE
- Engine shock mounts - new
- Exhaust slip-joints - PMA - new
- Primary fuel and oil hose kits - heavy duty - Teflon™ - 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
### 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.

### Upgrade Kit - Included - RAM IV - 325 hp

- Hartzell ScimitarPlus Propellers - NE [New technology FC7693 Blended Airfoil Blades]
- New 1-piece D-7267-2P polished spinner and new bulkhead - NE [Includes new de-ice boots.][The slip ring is 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]
- Alcor EGT gauge range marked - new [with probes - 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 your RAM representative.]
- Gross Weight Increase STC and Flight Manual Supplement [+ 300 lbs. Useful load][GW to 6,290 lbs.][Ramp Wt. to 6,330 lbs.]

### Optional Parts and Engine Installation Items

- New 100 amp Alternator Package:
  Hartzell Engine Technologies ALV9610 with nut, thrust washer, cotter key, and overhauled alternator drive hub. When purchased with an engine RAM will install for no additional cost. (Retail $2,181) Only when purchased with a RAM engine: $1,662 each - Exchange
- Cooling Shroud Kit for dry vacuum pump - New: $58 each
- New RAM PMA Induction Flex Elbows from intercooler to intake manifold - New - $824
- Air Conditioning Hose Kit - New: $681
- Cylinder Upgrade Options:
  - Upgrade SAP Millennium cylinders to nickel: $1,700 per engine.
  - Ask your RAM Representative for current market prices for CMG cylinders.

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

### Cessna 340/A - Series IV

**RAM Complete (R.O.I.) Package:** Please call for quote

**Installed at RAM - exchange**

- RAM OHE CMG TSIO-520-NB - 325 hp engines
- Installation Parts - Included
- Installation and Set-up
- Upgrade kit - Series IV