



RAM AIRCRAFT, LP

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ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S

Cessna 402C

RAM Overhaul & Improvement Package (R.O.I.)

Two Engines - OHE TCM TSIO-520-VB

- Horsepower - 325 hp
- TBO - 1600 hrs.
- 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 - OHE
[reuse serviceable clutch]
- 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
[inspected and repaired]
- Precision balance - exchange
[crankshaft and rod sets]
- Core Return Policy - See:
[RAM OHE TCM 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

- Wastegate and actuators - RAM - OHE
- Engine shock mounts - new
- Exhaust slip joints - PMA - new
- Induction convoluted bellows - new
- Primary fuel and oil hose kits - heavy duty - *Teflon*TM - new

Upgrade Kit - Included - 402C

- New Hartzell ScimitarPlus props - NE
[with new spinner, bulkhead and de-ice boots]
- McCauley MC-1 governors - exchange
- Propeller electronic synchrophaser - RAM RPS2000A - new
[DER approved]
- Shadin Digiflo-L Electronic Fuel Management - new
[without RAM connecting the avionics interface]
- EGT gauge range marked - new
[with probes - new] [Leads as required.]
- 3-in-1 engine gauges - check calibration
- + 360 lbs. Gross Weight Increase - STC & Flight Manual Supplement
[GW from 6,850 lbs. up to 7,210 lbs.] [Ramp Wt. to 7,245 lbs.]
[Serviceable (non-TAS) airspeed indicators - remarked]
[If TAS indicator is currently installed, consult your RAM representative.]

Compliance Item

- Note: Install Applicable Cessna SK-414-19B Service Kit if not installed. [Check RAM's *Value Options & Compliance Page* for price variations and kit details - by aircraft serial number.

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.

Additional Specifications

- Hartzell *ScimitarPlus* Propellers new technology FC7693 Blended Airfoil Blades - NE [improved new 1-piece D-7267-2P polished spinner and new bulkhead.] [Includes de-ice boots - New]. [The slip ring is refurbished exchange.]
- Optional - RAM Vortex Generators - New
RAM VG's are not required for the Gross Wt. increase included in the Upgrade kit above. VG's enhance safety. Installed during an upgrade. Add: \$1,650/aircraft
- Replace your worn and aged nose bowls. New nose bowls are painted up to three colors to match existing nose bowls. New - exchange, per airplane, during engine installation: \$4,500

Cessna 402C

RAM Complete (R.O.I.) Package: \$118,019

Installed at RAM - exchange

- RAM OHE TCM TSIO-520-VB engines
- Installation Parts - Included
- Installation and Set-up
- Upgrade kit