



## RAM AIRCRAFT, LP

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

### GTSIO-520-L Cessna 421C [ 1976 - 1980 ] [ S/N 0001 - 0910 ]

#### RAM OHE GTSIO-520-L

- Horsepower - 375 hp
  - TBO - 1600 hrs.
  - RAM *Nickel New* Cylinder - NE
  - Crankcase - heavy w/7th studs - OHE
  - Crankshaft - OHE
  - Camshaft - NE
  - Propeller shaft, quill shaft, and reduction gear - OHE
  - Alternator - OHE
  - Starter and starter drive - OHE
  - Spark plugs - new
  - Magneto harness - Champion - new
  - TCM/Bendix Magnetos - OHE [ non pressurized ]
  - Oil filter - new
  - Fuel injection system - OHE
  - Induction couplings intake manifold - new
  - Metal baffles - refurbished and painted - exchange
  - Baffle seals - RAM *SureStand* red silicone rubber - new
  - Oil cooler - NE
  - Balance - crankshaft and rod sets - exchange
  - Core Return Policy - See: [RAM OHE TCM GTSIO-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

- Engine oil - break-in oil - new
- Coupler - throttle body to turbo - new
- Throttle and control assembly - OHE
- Turbocharger - OHE
- Turbo controller - OHE
- Overboost relief valve - OHE
- Intercooler - inspect and repair - exchange
- Air filter - new
- Cooling Shroud for dry vacuum pump - RAM kit - new
- Spare accessory gasket set - new

#### RAM OHE Engine TCM GTSIO-520-L: \$49,989

Shipped - exchange, or Custom Overhauled - exchange

## Additional Specifications

- **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, tach generator, hoses, wastegate, exhaust risers and exhaust parts are not included unless specified by a RAM Work Order Supplement.
- **See RAM literature sheets:**  
Value Options & Compliance Items.  
RAM OHE TCM GTSIO-520 Engine Overhaul Specifications  
and Exchange Engine Core Policy.

## Optional Parts and Engine Installation Items

- **Wastegate and actuator** - each - OHE: \$1,430 [ Core charge: \$275 ]
- **Engine shock mounts** - Engine Set of ( 4 ) - new: \$836
- **Engine control cables** - Throttle, Prop, Mixture, Alternate air - each - PMA new: \$524
- **Exhaust slip joint with hardware** - 421C type - each - PMA new: \$343
- **Turbo-wye assembly** - 421C type - each - PMA new: \$3,314 [ Core charge: \$775 ]
- **Hose kits - Teflon™** with Integral firesleeve
  - Fuel & Oil primary hoses - per engine - new: \$1,711
  - Hydraulic - per engine - new: \$472
  - Air conditioning - per aircraft - new: \$334
- **Propeller unfeathering accumulator** - Source for contaminating engine oil. RAM recommends older accumulator be disabled unless replaced by a newer unit. Each - OHE: \$875 [ Core charge: \$400 ]
- **Duct:** Turbo to intercooler (LH), induction air: \$687
- **Duct:** Turbo to intercooler (RH), induction air: \$687
- **Duct:** Air scoop to air filter canister: \$58
- Upgrade from standard massive plugs to fine wire spark plugs. Per engine - new: \$731
- **RAM Parts Catalog** - Engine and installation parts. Ask for a free copy.

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