



RAM OHE TCM IO-520 to IO-550-C Engine Upgrade STC

For your Beechcraft Baron with TCM IO-520-C and IO-520-CB Engines



Convert Your IO-520 Baron Engines to IO-550s

Better Performance • Improved Reliability • Increase Resale Value • TBO Warranty, Transferable



RAM Aircraft, founded in 1976 with a focus on engineering airframe and engine improvements that provide many of general aviation's most popular airplanes with enhanced performance and reliability. RAM is an engine overhaul facility and general aviation support center, with over 113 engine and airframe STCs, over 800 PMAs, and recently certified by the FAA as a Designated Alteration Station (DAS).

D' Shannon Aviation, founded in 1965 is the premier supplier of STC'd aftermarket improvements for Bonanza and Baron airplanes. For over 40 years, D' Shannon Aviation has focused purely on upgrades for the Beechcraft fleet. Products include, tip-tanks, vortex generators, instrument panel upgrades, baffle cooling kits, engine conversion kits, and propeller upgrades.

Conversion and upgrade package for shipment and installation by your favorite FBO.

What You Get:

- RAM OHE Engine Conversion STC for converting your IO-520 engines to IO-550-C engines.
- Two RAM OHE TCM IO-550-C Engines
 - 285 to 300 Horsepower Upgrade
 - New Nickel Cylinders
 - New Spark Plugs
 - New RAM PMA High Efficiency Camshafts
 - New Magnetos and Harnesses
 - New Oil Coolers
 - New Induction Couplings
- RAM Customer Service and TBO Warranty Support Program
- Two D' Shannon Aviation High Efficiency Baffle Cooling Kits for Your Engines. RAM Special Edition Color Black on Black
- D' Shannon Aviation Upgraded Engine Installation STC
 - STC Authorization Documentation
 - Installation Instructions and Drawings
 - FAA Approved Supplemental Pilot Operating Handbook
- D' Shannon Aviation Customer Service Support Team
- D' Shannon Aviation 5 Year Baffle Warranty

\$81,285

For conversion of your IO-520-CB engines.

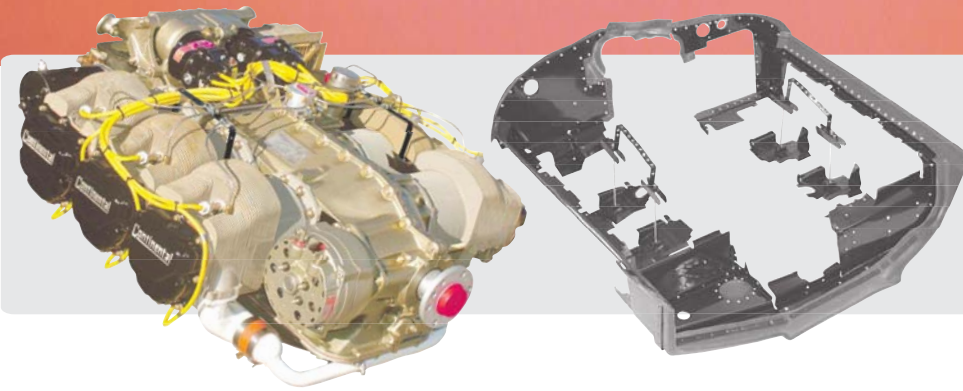
For conversion of your IO-520-C engines, add \$2,200 per engine.

Package Shipped-Exchange or Custom Exchange

See reverse side for detailed package information and aircraft applicability.

RAM Aircraft, Limited Partnership • 7505 Karl May Dr. • Waco, TX 76708 • (254) 752-8381 • www.ramaircraft.com • D' Shannon Aviation • (800) 291-7616

SM101B9 Page 1 of 2 Product, price, specifications and availability subject to change without notice.



Contact Us!

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 Parts Fax: (254) 756-0640
 www.ramaircraft.com

• D' Shannon Aviation
 Phone: (800) 291-7616
 (763) 559-5998
 Tech Support: (800) 992-3435
 (952) 469-2623
 Fax: (763) 535-3759

RAM OHE Engine Conversion STC Shipped Package Includes:

Two RAM OHE TCM IO-550-C Engines - exchange:

- Horsepower: 300
- TBO: 1700 Hours
- RAM Nickel New Cylinders: NE
- Crankcase, heavy duty with 7th studs: OHE
- Crankshaft: OHE
- Camshaft - RAM PMA-New High Efficiency Camshaft: NE
- Starter and Starter Drive without freon compressor drive: OHE
- Spark Plugs: New
- Magneto Harness - Unison: New
- Magnetos - Unison Slick 6310 (impulse coupled): NE
- Fuel Injection System with non-altitude compensation fuel pump: OHE
- Oil Filter: New
- Throttle Assembly: OHE
- Induction Couplings: New
- D' Shannon Aviation Inter-Cylinder Baffles Installed: NE
- Oil Cooler: NE
- Balanced Crankshaft and Rod Sets: Exchange
- RAM Core Return Policy: Please read

RAM Kit Components - Packaged Separately and Included:

- Air Filter - RAM: New
- Engine Oil - Break-In: New
- Induction Hose - manifold to throttle: New
- Gasket - Throttle: New
- Alternator - customer must specify: 24v-100 amp or 24v-60 amp: OHE

D' Shannon Aviation Airframe STC Includes:

- **D' Shannon Aviation Upgraded Engine Installation STC**
 STC Authorization Documentation
 Installation Instructions and Drawings
 FAA Approved Supplemental Pilot Operating Handbook

D' Shannon Aviation High Efficiency Baffle Cooling Kits

These high efficiency baffle cooling kits are made with high temperature, high tear strength, custom molded silicone laced fiberglass core material. They are strong and stiff, yet pliable and resilient enough to ensure a tight fit. Mountings are all new and polyurethane-coated aluminum. Complete sets include, custom fit air baffling and mounting system. D' Shannon Aviation High Efficiency Baffle Cooling Kits come complete with a 5 year warranty.

Engine Mount Eligibility:

- Beechcraft Part Number: 96-910010-61 or -67
Note: If standard C55 or D55 mounts (PN: 96-910010-1, 96-910010-57) are used, Beechcraft Mandatory Service Bulletin 2362 Rev. 1 and AD 91-15-20 must be completed and the manifold pressure limitations of FMS 3845R apply.

OHE = Overhauled Exchange
 NE = New Exchange - OEM or PMA New = New Outright - OEM or PMA
 Note: New items are subject to test time, ferry time, and inventory time.
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Prop Eligibility:

- McCauley: C512
- Hartzell: PHC-C3YF-2(U)(F)/(F)7663(B,K)-2R
 PHC-J3YF-2(U)(F)/(F)7663(B,K)-2R
 New Super Scimitar with state-of-the-art propeller technology available at D' Shannon Aviation.

Governor Eligibility:

- Woodward D210439, A210780, or 210622
 Use B210710 or B210800 with prop synchronizer

D' Shannon Aviation Customer Service and Warranty:

- The Support Team at D' Shannon Aviation strives to help their customers in every phase of picking and installing their D' Shannon Aviation STC'd mods. Contact a D' Shannon Aviation Support Team Member by calling 1-800-992-3435. The Support Team's normal business hours are 8:00 a.m. to 5:00 p.m. Central Standard Time, Monday through Friday.

RAM Aircraft Customer Service and Warranty Support Program:

- When you call, you speak with a live person who will make sure that you get the attention you need and deserve.
- RAM's IO-550 TBO Warranty Support Program is the industry's best. Engine block assembly and components from cylinders down are covered 100% for two years or 700 hours. Then a prorated coverage (only 23 hrs. per month) continues to TBO on the engine block assembly taking shared coverage as far out as six years. Engine accessories (e.g. fuel system, magnetos, etc.) are covered 100% for one year or 350 hours whichever occurs first.

Additional Specifications:

- **Exchange Core Policy:** Engine, crankcase, exhaust, accessories, propeller, governor, and hardware items are only sold on an exchange basis, based upon the customer's exchange of a normal runout core as removed from subject aircraft, engine type as represented on RAM purchase order, and serviceable to RAM's overhaul specifications. Core 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.
- **Customer:** Discuss the following with your RAM Representative before ordering.
Electrical System: Electrical system currently in airplane must be provided to RAM for proper alternator and starter selection.
Aftermarket STCs: Engine parts and accessories required by aftermarket STCs such as, but not limited to, turbo normalizing and fuel pump changes, are not included with a RAM OHE engine. Compatibility of aftermarket STCs with the D' Shannon installation STC is required and should be reviewed by installer.
Aftermarket STC Parts: Substitution or addition of aftermarket parts is an additional charge. Please review with RAM prior to engine overhaul. Pre-shipment of aftermarket cores may be required.

Engine Conversion Package Aircraft Applicability:

- Baron C55, D55, E55, 58, and 58A with IO-520-C or -CB engines

