



RAM AIRCRAFT, LP

7505 Karl May Drive • Waco Regional Airport • P.O. Box 5219 • Waco, TX 76708
Phone: (254) 752-8381 • Fax: (254) 752-3307 • www.ramaircraft.com

ENGINES • PARTS • PROPELLERS • ACCESSORIES • STC'S

IO-520-BB

Beech Bonanza A36 (1971 - 1983)

Beech Bonanza F33 (1974 - 1994)

RAM OHE TCM IO-520-BB

- Horsepower - 285 hp
- TBO - 1700 hrs.
- RAM *Nickel New* Cylinders - NE
- Crankcase - Heavy w/ 7th studs - OHE
- Crankshaft - OHE
- Camshaft - RAM - new
- Starter and starter drive - OHE
[without freon compressor drive]
* see additional specifications
- Spark plugs - new
- Magneto Harness - Champion - new
- Magnetos - Champion Slick 6310 - NE
- Fuel Injection System - OHE
- Couplings - Induction manifold - new
- Intercylinder Baffles - refurbished and painted - exchange
- Oil Cooler - NE
- Balance - crankshaft and rod sets - exchange
- Core Return Policy - See: [RAM OHE TCM IO-520 Engine Overhaul Specifications.](#)
- Also see: [RAM Value Option & 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

- Air Filter - RAM - new
- Baffle Seal Kit - RAM pre-cut *SureStand* red silicone rubber - new
- Engine Oil - Break-in oil - new
- Oil filter - new
- Throttle assembly - OHE
- Hose - manifold to throttle - new
- Alternator - OHE
 - Specify 12 or 24 volt
 - E185-E1240 = 12 volt
 - E1241- E2110 = 24 volt

RAM OHE Engine

TCM IO-520-BB: \$30,273

Shipped - exchange, or Custom Overhauled - exchange

Additional Specifications

- **RAM's TBO Warranty Support Program:**
100% Engine and Accessories 1st yr, or 350 hrs, whichever occurs first.
100% Engine only for two (2) yrs or 700 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 23 hours per month, thus extending coverage out to six years.
- **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, 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's Baffles:** RAM will refurbish and install the remainder of the customer's serviceable engine baffles and the new RAM SureStand baffle seal kit, if the customer will ship them to RAM at least seven working days prior to engine shipment to customer. Price does not include replacement of missing or unrepairable baffles. Per engine: \$400
- **Crankcase Upgrade:** RAM overhauls engines using only heavy crankcases. Upgrade light exchanged core crankcase to heavy crankcase. Ask your RAM Sales Consultant for current prices.
- **Crankshaft Upgrade:** RAM only uses large diameter VAR crankshafts. If the exchanged core crankshaft is not a large diameter VAR crankshaft additional upgrade charges apply. Ask your RAM Sales Consultant for current prices.
- **Customer - Discuss the following with your RAM Representative before ordering.**
 - **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.
 - **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. (unservicable pieces must be replaced)
 - **Fuel System:** To ensure selection of the proper fuel system, customer needs to specify the TCM engine specification number when placing an engine order.
- * **Starter Adapter:** Starter adapter with freon compressor drive - Add: \$1,145

RAM Aircraft, LP • 7505 Karl May Drive • P.O. Box 5219 • Waco, TX 76708
Phone: (254) 752-8381 • Fax: (254) 752-3307 • www.ramaircraft.com

