



NEW AIRCRAFT ENGINE PRODUCTS MANUFACTURED BY ECI



NEW FAA-PMA Replacements Cylinder Assemblies for Lycoming Parallel Valve 320/360/540 Series Engines



EXCLUSIVE
Exclusive features not found on OEM or other PMA cylinders.

Casting Surface Texture
Efficient cylinder head cooling — minimizes valve sticking and cylinder head cracking.

Calibrated Intake Port
Use of a calibrated flow bench during manufacturing is standard procedure for all TITAN cylinders — assures engine performance.

Shell Molded Casting
A manufacturing process that produces dimensional accuracy and improved metallurgical properties.

Plateau Bore Finish
A 2-step honing procedure creating a finish of plateaus and subsurface valleys essential to ring break-in — lubrication of the ECI moly-filled top compression ring and bore interface system.

Moly-filled Top Compression Ring
Scuff resistant and self-lubricating — easy break-in, longer ring life, less bore wear. Metallurgically matched to the Nickel+Carbide cylinder bore for optimum compatibility.

Increased Critical Wall Thickness
in the Combustion Dome and thread region. The right amount of metal in the right place — no better cylinder is on the market today.

Fin Width and Spacing
Optimum cylinder head cooling prolongs cylinder life.

High-Chrome Cast Iron Exhaust Valve Guides
Improved wear resistance helps maintain good cylinder compression ratios and peak horse power output during the life of the engine. TITAN cylinders are not subject to the 400-hour mandatory inspection specified in Lycoming's S.B. 388.

Tru-Bore™ Valve Guide
Precision finished valve guides — reduces unscheduled maintenance costs.

Nickel+Carbide™ Bore Coating
Warranted against premature wear and corrosion for sixty (60) months — no other cylinder bore carries a warranty of this magnitude.



ECi warrants each Nickel+Carbide™ Cylinder Bore to remain free of corrosion and wear up to 5 years following date of first operation. No other cylinder manufacturer offers a warranty against corrosion.

Consult ECI's written warranty policy for details. Visit www.eci.aero. TITAN Cylinder Assemblies include all reciprocating parts except piston pin and rocker arms. Gasket set included. Piston and rings fitted and installed.

For more information on our TITAN Cylinder Assembly line, please contact ECI today and request booklet #M105 entitled [What You Should Know About TITAN Cylinder Assemblies by ECI](#).

SALES HOTLINE
1-800-ECI-2FLY





Engine Components, Inc.

ECi® is an internationally recognized general aviation manufacturer of FAA-PMA approved replacement parts for Lycoming and Continental engines since 1943. ECI and EC Services (FAA Certified Repair Station #AG2R689K) are ISO 9001:2000 compliant – maintaining an effective Quality Management System based on the ISO 9001:2000 international standard. ECI provides the GA industry with an extensive line of FAA-PMA approved products and services, including: TITAN® cylinder assemblies, camshafts, connecting rods, crankshafts, crankcases, gears, pistons, ring sets, valves, guides, seats, springs, sumps, and much more. ECI is a premier worldwide supplier of certified engine parts.

New TITAN® Cylinder Assemblies

New Head - New Barrel - New Product

Manufactured to Higher Standards for Extreme Durability™

The TITAN cylinder incorporates unprecedented design, metallurgical and manufacturing improvements over traditional cylinder design. As the name implies, the all new TITAN brand of FAA-PMA cylinders from ECI stands head and shoulders above all competing cylinders currently available in the market.

Armed with state-of-the-art digital design technology, ECI engineers re-examined every feature of previous cylinder designs. Manufacturing methods were carefully studied to improve product consistency and reduce unnecessary costs.

After design review and retooling, the TITAN Cylinder Assemblies were subjected to hundreds of hours of testing in ECI's calibrated test cell and comfortably passed all testing which was designed to exceed FAA and OEM requirements.

The new TITAN brand cylinder assemblies are much more than a random assortment of new parts. The list of features and benefits is impressive. Just take a look at the illustrated cylinder assembly.

For more information on ECI products and services, please visit our web site at www.eci.aero or contact Customer Service for your free TITAN booklet (item #M105) entitled What You Should Know About TITAN Cylinder Assemblies by ECI.

ENGINE COMPONENTS, INC.
9503 MIDDLEX
SAN ANTONIO, TX 78217
TEL 210-820-8101 • FAX 210-820-8102

SALES HOTLINE

1-800-ECi-2FLY (800-324-2359)

www.eci.aero • sales-service@eci.aero

