

**FAA - PARTS MANUFACTURER APPROVAL (PMA) SUPPLEMENT**

**Company Name**  
**Airmotive Engineering Corp.**  
**9503 Middlex**  
**San Antonio, Tx 78217**

**PMA No.** PQ0003SW  
**Supplement No.** 48  
**Revision No.**  
**Date** July 2, 2003  
**ACO Project No.** PM7436SC-E

| <b>PART NAME</b>                          | <b>PART NUMBER</b> | <b>APPROVED REPLACEMENT FOR PART NUMBER</b> | <b>APPROVAL BASIS AND APPROVED DESIGN DATA</b>  | <b>MAKE ELIGIBILITY</b> | <b>MODEL ELIGIBILITY</b>   |
|---|--------------------|---|---|-------------------------|--|
| Bearing, Flanged, Crankshaft, Main Thrust | AEC40644           | Teledyne Continental<br>40644               | Test and Computation per 14 CFR § 21.303<br>Dwg_No AEC40644<br>Rev.: IR<br>Date: 11-27-02 or later FAA approved revisions | Teledyne Continental    | E165-2<br>E185-1, -3, -8, -9, -11<br>E225-4, -8<br>O-470-4, -7, -11, -13, -15  |
| Bearing , Crankshaft Main                 | AEC630464          | Teledyne Continental<br>630464<br>537848    | Test and Computation per 14 CFR § 21.303<br>Dwg_No AEC630464<br>Rev.: IR<br>Date: 2-25-03 or later FAA approved revisions | Teledyne Continental    | O-470-A, B, E, G, J, K, L, P, R<br>IO-470-C, D, E, F, G, H, J, K, L, M, N, P, R, S, U, V<br>IO-520-A, D, E, F, J, K, L<br>TSIO-520-AE, C, G, H, M, P, R, T<br>GTSIO-520-C, D, F, H, K, L, M, N |
| Bearing, Crankshaft Main                  | AEC653829          | Teledyne Continental<br>653829<br>642839    | Test and Computation per 14 CFR § 21.303<br>Dwg_No AEC653829<br>Rev.: IR<br>Date: 2-25-03 or later FAA approved revisions | Teledyne Continental    | IO-520-B, BA, C, M<br>TSIO-520-B, D, E, J, K, L, N   |
| Bearing, Crankshaft Front                 | AEC530058          | Teledyne Continental<br>530058              | Test and Computation per 14 CFR § 21.303<br>Dwg_No AEC530058<br>Rev.: C<br>Date: 2-8-02 or later FAA approved revisions   | Teledyne Continental    | A65-8, 8F, 8FJ, 8J, 9, 9F, 9FJ, 9J, 12, 12F, 12FJ, 12J, 14, 14F, 14FJ, 14J<br>A75-8, 8F, 8J, 8FJ, 9, 9J<br>C75-8, 8F, 8FH, 8FHJ, 8FJ, 8J, 12, 12B, 12BF, 12BFH, 12F, 12FH                      |

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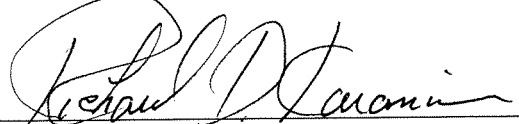
| PART NAME                   | PART NUMBER | APPROVED REPLACEMENT FOR PART NUMBER | APPROVAL BASIS AND APPROVED DESIGN DATA  | MAKE ELIGIBILITY        | MODEL ELIGIBILITY   |
|-----------------------------|-------------|--------------------------------------|--|-------------------------|---|
|                             |             |                                      |  |                         | (continued from above)<br>12FHJ, 15, 15F, FJ, J<br>C85-8, 8F, FHJ, 8FJ, 8J, 12, 12F,<br>12FH, 12FHJ, 12FJ, 12J, 14F, 15,<br>15F<br>C90-8F, FJ, 12F, 12FH, 12FJ, 12FP,<br>14F, 14FH, 14FJ, 14FP, 16F<br>O-200-A, B, C  |
| Bearing,<br>Crankshaft Rear | AEC633398   | Teledyne Continental<br>633398       | Test and Computation per 14 CFR §<br>21.303<br>Dwg. No AEC633398<br>Rev.: B<br>Date: 2-8-02 or later FAA approved<br>revisions | Teledyne<br>Continental | A65-8, 8F, 8FJ, 8J, 9, 9F, 9FJ, 9J,<br>12, 12F, 12FJ, 12J, 14, 14F, 14FJ,<br>14J<br>A75-8, 8F, 8J, 8FJ, 9, 9J<br>C75-8, 8F, 8FH, 8FHJ, 8FJ, 8J, 12,<br>12B, 12BF, 12BFH, 12F, 12FH,<br>12FHJ, 15, 15F, FJ, J<br>C85-8, 8F, FHJ, 8FJ, 8J, 12, 12F,<br>12FH, 12FHJ, 12FJ, 12J, 14F, 15,<br>15F<br>C90-8F, FJ, 12F, 12FH, 12FJ, 12FP,<br>14F, 14FH, 14FJ, 14FP, 16F<br>O-200-A, B, C |
| Bearing,<br>Crankshaft Rear | AEC643233   | Teledyne Continental<br>643233       | Test and Computation per 14 CFR §<br>21.303<br>Dwg. No AEC643233<br>Rev.: C<br>Date: 2-8-02 or later FAA approved<br>revisions | Teledyne<br>Continental | A65-8, 8F, 8FJ, 8J, 9, 9F, 9FJ, 9J,<br>12, 12F, 12FJ, 12J, 14, 14F, 14FJ,<br>14J;<br>A75-8, 8F, 8J, 8FJ, 9, 9J;<br>C75-8, 8F, 8FH, 8FHJ, 8FJ, 8J, 12,<br>12B, 12BF, 12BFH, 12F, 12FH,   |

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|-----------|-------------|--------------------------------------|---|------------------|-------------------|
|-----------|-------------|--------------------------------------|---|------------------|-------------------|

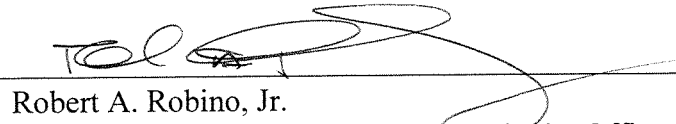
12FHJ, 15, 15F, FJ, J;  
 C85-8, 8F, FHJ, 8FJ, 8J, 12, 12F,  
 12FH, 12FHJ, 12FJ, 12J, 14F, 15,  
 15F;  
 C90-8F, FJ, 12F, 12FH, 12FJ, 12FP,  
 14F, 14FH, 14FJ, 14FP, 16F; O-  
 200-A, B, C

-----End of Listing-----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

  
 Richard D. Karanian  
 Project Engineer, Special Certification Office,  
 ASW-190

06/27/03  
 Date

  
 Robert A. Robino, Jr.  
 Manager, Manufacturing Inspection District Office,  
 SW-MIDO-43

7/2/03  
 Date

This Supplement is an attachment to your FAA-PMA approval letter dated: March 31, 1983