



U.S. Department
of Transportation
**Federal Aviation
Administration**

Southwest Region
Arkansas, Louisiana,
New Mexico, Oklahoma,
Texas

Manufacturing Inspection District Office
2601 Meacham Blvd., SW MIDO-42
Fort Worth, Texas 76137

August 30, 2010

Sky-Tec Partners, Ltd.
350 Howard Clemmons Rd.
Granbury, TX 76048

FEDERAL AVIATION ADMINISTRATION (FAA) - PARTS MANUFACTURER
APPROVAL (PMA)

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on a Test and Computations submitted by Sky-Tec Partners, Ltd., with your letter dated November 25, 2009, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Sky-Tec Partners, Ltd., has established the fabrication inspection system required by § 21.303(h) at 350 Howard Clemmons Rd., Granbury, Texas 76048. Accordingly, PMA is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 7, revision 3.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval, dated December 22, 1997, also apply to the enclosed PMA Listing-Supplement No. 7, revision 3. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

Fidel T. Ballesteros
Acting Manager, Manufacturing Inspection District Office
SW MIDO-42

Enclosure:
PMA Listing-Supplement No. 7, revision 3

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
Granbury, TX 76048

PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|--|--|--|---|
| Starter | 122NL | 69953, 76210, LW-15483, LW-16207, 31A21210, 31A22102, 31A22106, 31A22112, 31A22361, 31A22473, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-235, -A, -A1, -AP, -B, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C |
| Starter | 122NL | 69953, 76210, 31A22473 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Division AVCO Corporation | O-290-A, -AP, -B, -C, -CP, -D, -D2, -D2A, -D2B, -D2C |
| Starter | 122NL | 69953, 76210, 31A21210, 31A22102, 31A22106, 31A22112, 31A22361, 31A22473, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD |

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|-----------|-------------|---|---|--|---|
| Starter | 122NL | 69953, 76210, 31A21210, 31A22102, 31A22106, 31A22112, 31A22361, 31A22473, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-320-A1A -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A |
| Starter | 122NL | 69953, 76210, 31A21210, 31A22102, 31A22106, 31A22112, 31A22361, 31A22473, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B |
| Starter | 122NL | 69953, 76210, 31A21210, 31A22102, 31A22106, 31A22112, 31A22361, 31A22473, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B |

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|-----------|-------------|---|--|--|---|
| Starter | 122NL | 31A22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Division AVCO Corporation | O-340-A1A, -A2A, -B1A |
| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A |
| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HO-360-A1A, -B1A, -B1B, -C1A |

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| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D |
| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B |

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| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-360-A1A, -A1B, -A1B6, -1E6, -A1C, -A1D, -A1E, -A2A, A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B |
| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A |
| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | TIO-360-A1A, -A1B, -A3B6, -C1A6D |

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| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-540-A1A |

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| Starter | 122NL | 31A21210, 31A22102, 31A22106, 31A22112, 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | TIO-540-A1A, -A1B, -A2A, -A1C, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -S1AD, -T2AD, -U2A, -V2AD, -W2A, -AA1AD, -AB1AD, -AB1BD, -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A |
| Starter | 122NL | 72279, 77879, 31B22462, LW-12787 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Textron Lycoming/ Subsidiary of Textron, Inc. | IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD |
| Starter | 149NL | 76211, LW-14207, LW-15571, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22470, 31B21064, 31B22101, 31B22105, 31B22111, 31B22476 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-235, -A, -A1, -AP, -B, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C |

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| Starter | 149NL | 76211, LW-14207, LW-15571, 31A22470 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Division AVCO Corporation | O-290-A, -AP, -B, -C, -CP, D, -D2, -D2A, -D2B, -D2C |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-16460, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31A22471, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-16460, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31A22471, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-320-A1A -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
Granbury, TX 76048

PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-16460, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31A22471, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-16460, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31A22471, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 31A22470 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Division AVCO Corporation | O-340-A1A, A2A, B1A |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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350 Howard Clemmons Road
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PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, A1G6, -A1G6D, A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, A2E, -A2F, -A2G, A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HO-360-A1A, -B1A, -B1B, -C1A |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
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PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|---|---|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Textron Lycoming Williamsport Division AVCO Corporation | TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
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PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-360-A1A, -A1B, -A2A, -A2B, -B1B |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
 350 Howard Clemmons Road
 Granbury, TX 76048

PMA NO. PQ0852SW
 SUPPLEMENT NO. 7
 REVISION 3
 DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, 76213, LW-14209, LW15573, 76214, LW-14210, LW15574, LW-14447, LW-18047, LW-18989, LW-18990, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22206, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Textron Lycoming, Williamsport Division AVCO Corporation | TIO-360-A1A, -A1B, -A3B6, -C1A6D |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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PMA NO. PQ0852SW
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 REVISION 3
 DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 31A22104, 31A22110, 31A22470, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-390-A1A6, -A3A6 |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D, -J1A5D, -J2A5D, -J1B5D, -J2B5D, -J3A5D, -J1C5D, -J2C5D, -J1D5D, -J2D5D, -J3C5D, -L3C5D |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
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PMA NO. PQ0852SW
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 REVISION 3
 DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -M1C5, -M2A5D, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5D, -V4A5, -W1A5, -W1A5D, -W3A5D, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AC2A5, -AE1A5 |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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 350 Howard Clemmons Road
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PMA NO. PQ0852SW
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| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-540-A1A |
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-540-D4A5, -D4B5, -D4C5, -D4D5, -L1B5D, -L1B5, -L1D5 |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|---|--|
| Starter | 149NL | 76211, LW-14207, LW-15571, 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31A21198, 31A22100, 31A22104, 31A22110, 31B23592, 31A22470, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | TIO-540-A1A, -A1B, -A2A, -A1C, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -S1AD, -T2AD, -U2A, -V2AD, -W2A, -AA1AD, -AB1AD, -AB1BD, -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A |
| Starter | 149NLR | LW-10556, LW-14215, 31A22472, 31B23593, 31A22552 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LIO-320-B1A, -C1A |
| Starter | 149NLR | LW-10556, LW-14215, 31A22472, 31B23593, 31A22552 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LO-360-A1G6D, A1H6, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD |
| Starter | 149NLR | LW-10556, LW-14215, 31A22472, 31B23593, 31A22552 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | LTO-360-A1A6D, -E1A6D |
| Starter | 149NLR | LW-10556, LW-14215, 31A22472, 31B23593, 31A22552 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LIO-360-C1E6 |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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350 Howard Clemmons Road
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PMA NO. PQ0852SW
SUPPLEMENT NO. 7
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DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|---|--|
| Starter | 149NLR | LW-10556, LW-14215, 31A22472, 31B23593, 31A22552 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LHIO-360-C1A, -C1B, -F1AD |
| Starter | 149NLR | LW-12159, LW-14214, 31B23593, 31B22477, 31B22553 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LTIO-540-F2BD, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -U2A, -V2AD, -W2A |
| Starter | 122NL/EC | 69953, LW-16207, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-235, -A, -A1, -AP, -B, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C |
| Starter | 122NL/EC | 69953 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Division, AVCO Corporation | O-290-A, -AP, -B, -C, -CP, -D, -D2, -D2A, -D2B, -D2C |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
Granbury, TX 76048

PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|---|
| Starter | 122NL/EC | 69953, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD |
| Starter | 122NL/EC | 69953, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-320-A1A -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A |
| Starter | 122NL/EC | 69953, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B |
| Starter | 122NL/EC | 69953, 31B21211, 31B22103, 31B22107, 31B22113, 31B22362, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|---|--|
| Starter | 122NL/EC | 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Division AVCO Corporation | O-340-A1A, -A2A, -B1A |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, A1G6, -A1G6D, A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, A2E, -A2F, -A2G, A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D |

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| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-360-A1A, -A1B, -A2A, -A2B, -B1B |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | TIO-360-A1A, -A1B, -A3B6, -C1A6D |

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| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
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| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D, -J1A5D, -J2A5D, -J1B5D, -J2B5D, -J3A5D, -J1C5D, -J2C5D, -J1D5D, -J2D5D, -J3C5D, -L3C5D |

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| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -MIC5, -M2A5D, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5D, -V4A5, -W1A5, -W1A5D, -W3A5D, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AC2A5, -AE1A5 |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-540-A1A |

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| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-540-D4A5, -D4B5, -D4C5, -D4D5, -L1B5D, -L1B5, -L1D5 |
| Starter | 122NL/EC | 31B21211, 31B22103, 31B22107, 31B22113, 31B23590, 31B22475 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | TIO-540-A1A, -A1B, -A2A, -A1C, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -S1AD, -T2AD, -U2A, -V2AD, -W2A, -AA1AD, -AB1AD, -AB1BD, -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A |
| Starter | 122NL/EC | 77879, 31B22462, LW-12787 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Textron Lycoming/Subsidiary of Textron, Inc. | IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD |
| Starter | 149NL/EC | 31B23592, 31B21064, 31B22101, 31B22105, 31B22111, 31B22476 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-235, -A, -A1, -AP, -B, -BP, -C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C |

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|-----------|-------------|--|--|--|---|
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C2C, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-320-A1A -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B |

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| Starter | 149NL/EC | 76212, LW14208, LW-15572 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Division AVCO Corporation | O-340-A1A, -A2A, -B1A |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, A2E, -A2F, -A2G, A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B1A, -B1B, -B2A, -B2B, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -C4P, -C4F, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD, -F1A6, -G1A6, -J2A |

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|-----------|-------------|--|--|--|---|
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HO-360-A1A, -B1A, -B1B, -C1A |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | TO-360-A1A6D, -C1A6D, -E1A6D, -F1A6D |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
Granbury, TX 76048

PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|--|--|--|---|
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AIO-360-A1A, -A1B, -A2A, -A2B, -B1B |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | AVCO Lycoming Williamsport Division AVCO Corporation | TIO-360-A1A, -A1B, -A3B6, -C1A6D |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, 76214, LW-14210, LW15574, LW-14447, LW-18990, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B2F, -B2F6, -B1H, -B4A, -H1A, -H1B |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
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PMA NO. PQ0852SW
 SUPPLEMENT NO. 7
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 DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|--|--|--|--|
| Starter | 149NL/EC | 31A22104, 31A22110, 31A22470, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-390-A1A6, -A3A6 |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No: 25000</u> <u>Rev: D</u> <u>Date: 04/08/08</u> or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H2A5, -H1A5D, -H2A5D, -H1B5D, -H2B5D, -J1A5D, -J2A5D, -J1B5D, -J2B5D, -J3A5D, -J1C5D, -J2C5D, -J1D5D, -J2D5D, -J3C5D, -L3C5D |

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| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|--|--|--|--|
| Starter | 149NL/EC | 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -M1C5, -M2A5D, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5D, -V4A5, -W1A5, -W1A5D, -W3A5D, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AC2A5, -AE1A5 |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | HIO-540-A1A |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
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PMA NO. PQ0852SW
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DATE August 30, 2010

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|--|--|--|--|
| Starter | 149NL/EC | 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | AEIO-540-D4A5, -D4B5, -D4C5, -D4D5, -L1B5D, -L1B5, -L1D5 |
| Starter | 149NL/EC | 76212, LW14208, LW-15572, LW-11936, LW-14213, LW-15577, 31B23592, 31B22207, 31B21064, 31B22101, 31B22105, 31B22111 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | TIO-540-A1A, -A1B, -A2A, -A1C, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -S1AD, -T2AD, -U2A, -V2AD, -W2A, -AA1AD, -AB1AD, -AB1BD, -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A |
| Starter | 149NLR/EC | LW-12159, LW-14214, 31B23593, 31B22553 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LTIO-540-F2BD, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -U2A, -V2AD, -W2A |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Sky-Tec Partners, Ltd.
350 Howard Clemmons Road
Granbury, TX 76048

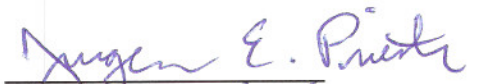
PMA NO. PQ0852SW
SUPPLEMENT NO. 7
REVISION 3
DATE August 30, 2010

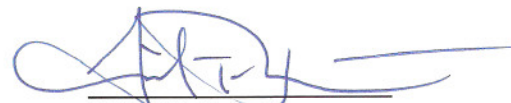
| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|---|--|--|-------------------|
| Starter | 149NLR/EC | LW-12159, LW-14214, 31B23593, 31B22553 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 25000 <u>Rev:</u> D <u>Date:</u> 04/08/08 or later FAA-approved revisions | Lycoming Engines An Operating Division of AVCO Corporation | LO-360-A1G6D |

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

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.


S. Francis Cox
Manager, Special Certification Office
ASW-190


Fidel T. Bastelleros
Acting Manager, Fort Worth Manufacturing
Inspection District Office