



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

April 15, 2011

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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 Test and Computations submitted by Superior Air Parts, Inc., with your letter dated March 14, 2011 (FAAL-1397) 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 Superior Air Parts, Inc., has established the fabrication inspection system required by § 21.303(h) at 621 S. Royal Lane, Suite 100, Coppell, Texas 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 79, revision 2. Supplement No. 79, revision 2, dated April 15, 2011, updates Supplement No. 79, revision 1. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 79, revision 1. Supplement No. 79, revision 1 remains in effect.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated March 30, 2006, also apply to the enclosed PMA Listing-Supplement No. 79, revision 2. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink that reads "Carlton N. Cochran".

Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection District Office
SW MIDO-42

Enclosure
PMA Supplement No. 79, revision 2



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

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 79
REVISION 2
DATE April 15, 2011

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-------------------|-------------|--------------------------------------|--|------------------|---|
| Ring, Oil Control | SL3602 | 73857 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL3602,</u> <u>Rev: N/C</u> Date: 05/12/1987 or later FAA approved revisions | Lycoming Engines | O-360-A1C, -A2E, -A3A, -C2D,-B2A, -D2A, -D2B, -A1A, -A1AD, -A1D, -A1F,-A1F6, -A1F6D, -A1G,-A1G6, -A1G6D, -A1H, -A1J, -A1LD, -A2A, -A2D,-A2F, -A2G, -A3A, -A3AD, -A4AD, -A4D, -A4G, -A4J,-A4JF, -A4K, -A4M, -A4N,-A5AD, -C1A, -C1C, -C1E,-C1F, -C2A, -C2C, -C2E, -F1A6 HIO-360-A1A, -B1A, -C1A,-C1B, -D1A, -E1AD,-E1BD, -F1AD LO-360-A1G6D IO-360-A1A, -B1A, -B1B, -B1BD, -B1D, -B1E, -B1F, -B2E, -B2F, -B2F6, -B4A AEIO-360-B1F, -B1G6, -B2F, -B4A, -H1A LHIO-360-C1A TIO-360-A1B, -A3B6,-C1A6D TO-360-C1A6D, -F1A6D,-E1A6D LTO-360-E1A6D IVO-360-A1A VO-360-A1A, -A1B, -B1A GO-480-B, -B1, -B1A6,-B1B, -B1C, -B1D, -D1A,-D1B, -F6, -F1A6,-F2A6, -F4A6, -C1B6, -C1D6, -C2 Series, -G2D6, -G2F6,-G1A6, -G1B6, -G1D6,-G1E6, -G1F6, -G1G6,-G1J6 IGO-480-A1B6 GSO-480-A1A, -A1A6, -A2A6, -A1C6, -B1A6, -B1B3, -B1B6, -B1C6,-B1E6, -B1J6, -B2D6 IGSO-480-A1A6, -A1B6,-A1C6, -A1E6, -A1F6 |

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|-------------------|-------------|--------------------------------------|---|------------------|---|
| Ring, Oil Control | SL3602 | 73857 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL3602, Rev: N/C</u> Date: 05/12/1987 or later FAA approved revisions | Lycoming Engines | O-540-B1A5, -B1B5,-B2A5, -B2B5, -B2C5,-B4B5, -A1A, -A1A5,-A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4D5,-F1A5, -F1B5, -E1A, -E4A5,-E4B5, -E4C5,-G1A5, -G2A5, -E4B5D, -G1A5D,-H1B5D, -H2B5D, -B2C5D,-B4B5D, -L3C5D, -J1A5D, -J1C5D, -J2A5D, -J3A5D, -J3C5D IO-540-C1B5, -C1C5, -C2C,-C4B5, -C4C5, -D4A5, -D4B5, -N1A5, -M1A5, -E1B5, -A1A5, -G1A5, -G1B5, -G1C5, -G1D5,-G1E5,-K1A5, -K1B5, -K1D5, -K1F5, -L1A5,-B1A5, -B1C5, -E1A5,-E1B5, -G1F5, -K1C5, -K1E5, -P1A5, -S1A5, -J4A5, -R1A5, -C4B5D,-C4D5D, -D4C5, -N1A5, -N1A5D, -T4A5D, -T4B5D,-V4A5D, -K1A5D, -K1F5D,-K1G5, -K1G5D, -K1H5,-K1J5, -K1J5D, -K1K5, -L1A5D, -M1A5D, -M1B5,-M1B5D, -U1A5D, -U1B5D, -W1A5D, -K1E5D,-AA1A5 HIO-540-A1A TIO-540-G1A, -A1A, -A1B,-A2A, -A2B, -A2C, -C1A,-E1A, -H1A,-U2A, -C1AD,-S1AD, -F2BD, -J2B, -J2BD, -N2BD, -R2AD AEIO-540-D4A5, -D4B5, -L1B5D LTIO-540-U2A, -F2BD,-J2B, -J2BD, -N2BD, -R2AD IGO-540-A1A, -A1C, -B1A,-B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A,-B1C VO-540-A1A, -B1A, -B1B, -B1B3, -B1C, -B1D, -B1F,-B1G, -B2D, -C1A, -C1B,-C1C3, -C2A, -C2C TVO-540-A1A TIO-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4 TIGO-541-E1A, -D1B IO-720-A1A, -A1B, -D1B,-B1B, -C1B, -B1BD, -D1C,-D1CD |

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| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-------------------|-------------|--------------------------------------|--|------------------|---|
| Ring, Oil Control | SL3602 P005 | 73857 P05 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL3602</u> , <u>Rev: N/C</u> Date: 05/12/1987 or later FAA approved revisions | Lycoming Engines | O-360-A1C, -A2E, -A3A, -C2D,-B2A, -D2A, -D2B, -A1A, -A1AD, -A1D, -A1F,-A1F6, -A1F6D, -A1G,-A1G6, -A1G6D, -A1H, -A1J, -A1LD, -A2A, -A2D,-A2F, -A2G, -A3A, -A3AD, -A4AD, -A4D, -A4G, -A4J,-A4JF, -A4K, -A4M, -A4N,-A5AD, -C1A, -C1C, -C1E,-C1F, -C2A, -C2C, -C2E, -F1A6 H1O-360-A1A, -B1A, -C1A,-C1B, -D1A, -E1AD,-E1BD, -F1AD LO-360-A1G6D IO-360-A1A, -B1A, -B1B, -B1BD, -B1D, -B1E, -B1F, -B2E, -B2F, -B2F6, -B4A AEIO-360-B1F, -B1G6, -B2F, -B4A, -H1A LHIO-360-C1A TIO-360-A1B, -A3B6,-C1A6D TO-360-C1A6D, -F1A6D,-E1A6D LTO-360-E1A6D IVO-360-A1A VO-360-A1A, -A1B, -B1A GO-480-B, -B1, -B1A6,-B1B, -B1C, -B1D, -D1A,-D1B, -F6, -F1A6,-F2A6, -F4A6, -C1B6, -C1D6, -C2 Series, -G2D6, -G2F6,-G1A6, -G1B6, -G1D6,-G1E6, -G1F6, -G1G6,-G1J6 IGO-480-A1B6 GSO-480-A1A, -A1A6, -A2A6, -A1C6, -B1A6, -B1B3, -B1B6, -B1C6,-B1E6, -B1J6, -B2D6 IGSO-480-A1A6, -A1B6,-A1C6, -A1E6, -A1F6 |

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|-------------------|-------------|--------------------------------------|---|------------------|---|
| Ring, Oil Control | SL3602 P005 | 73857 P05 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL3602, Rev: N/C</u> Date: 05/12/1987 or later FAA approved revisions | Lycoming Engines | O-540-B1A5, -B1B5,-B2A5, -B2B5, -B2C5,-B4B5, -A1A, -A1A5,-A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4D5,-F1A5, -F1B5, -E1A, -E4A5,-E4B5, -E4C5,-G1A5, -G2A5, -E4B5D, -G1A5D,-H1B5D, -H2B5D, -B2C5D,-B4B5D, -L3C5D, -J1A5D, -J1C5D, -J2A5D, -J3A5D, -J3C5D IO-540-C1B5, -C1C5, -C2C,-C4B5, -C4C5, -D4A5, -D4B5, -N1A5, -M1A5, -E1B5, -A1A5, -G1A5, -G1B5, -G1C5, -G1D5,-G1E5,-K1A5, -K1B5, -K1D5, -K1F5, -L1A5,-B1A5, -B1C5, -E1A5,-E1B5, -G1F5, -K1C5, -K1E5, -P1A5, -S1A5, -J4A5, -R1A5, -C4B5D,-C4D5D, -D4C5, -N1A5, -N1A5D, -T4A5D, -T4B5D,-V4A5D, -K1A5D, -K1F5D,-K1G5, -K1G5D, -K1H5,-K1J5, -K1J5D, -K1K5, -L1A5D, -M1A5D, -M1B5,-M1B5D, -U1A5D, -U1B5D, -W1A5D, -K1E5D,-AA1A5 H1O-540-A1A T1O-540-G1A, -A1A, -A1B,-A2A, -A2B, -A2C, -C1A,-E1A, -H1A,-U2A, -C1AD,-S1AD, -F2BD, -J2B, -J2BD, -N2BD, -R2AD AEIO-540-D4A5, -D4B5, -L1B5D LTIO-540-U2A, -F2BD,-J2B, -J2BD, -N2BD, -R2AD IGO-540-A1A, -A1C, -B1A,-B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A,-B1C VO-540-A1A, -B1A, -B1B, -B1B3, -B1C, -B1D, -B1F,-B1G, -B2D, -C1A, -C1B,-C1C3, -C2A, -C2C TVO-540-A1A T1O-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4 T1GO-541-E1A, -D1B IO-720-A1A, -A1B, -D1B,-B1B, -C1B, -B1BD, -D1C,-D1CD |

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|-------------------|-------------|--------------------------------------|--|------------------|---|
| Ring, Oil Control | SL3602 P010 | 73857 P10 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL3602</u> , <u>Rev: N/C</u> Date: 05/12/1987 or later FAA approved revisions | Lycoming Engines | O-360-A1C, -A2E, -A3A, -C2D,-B2A, -D2A, -D2B, -A1A, -A1AD, -A1D, -A1F,-A1F6, -A1F6D, -A1G,-A1G6, -A1G6D, -A1H, -A1J, -A1LD, -A2A, -A2D,-A2F, -A2G, -A3A, -A3AD, -A4AD, -A4D, -A4G, -A4J,-A4JF, -A4K, -A4M, -A4N,-A5AD, -C1A, -C1C, -C1E,-C1F, -C2A, -C2C, -C2E, -F1A6 H1O-360-A1A, -B1A, -C1A,-C1B, -D1A, -E1AD,-E1BD, -F1AD LO-360-A1G6D IO-360-A1A, -B1A, -B1B, -B1BD, -B1D, -B1E, -B1F, -B2E, -B2F, -B2F6, -B4A AEIO-360-B1F, -B1G6, -B2F, -B4A, -H1A LHIO-360-C1A TIO-360-A1B, -A3B6,-C1A6D TO-360-C1A6D, -F1A6D,-E1A6D LTO-360-E1A6D IVO-360-A1A VO-360-A1A, -A1B, -B1A GO-480-B, -B1, -B1A6,-B1B, -B1C, -B1D, -D1A,-D1B, -F6, -F1A6,-F2A6, -F4A6, -C1B6, -C1D6, -C2 Series, -G2D6, -G2F6,-G1A6, -G1B6, -G1D6,-G1E6, -G1F6, -G1G6,-G1J6 IGO-480-A1B6 GSO-480-A1A, -A1A6, -A2A6, -A1C6, -B1A6, -B1B3, -B1B6, -B1C6,-B1E6, -B1J6, -B2D6 IGSO-480-A1A6, -A1B6,-A1C6, -A1E6, -A1F6 |

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| Ring, Oil Control | SL3602 P010 | 73857 P10 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL3602, Rev: N/C</u> Date: 05/12/1987 or later FAA approved revisions | Lycoming Engines | O-540-B1A5, -B1B5,-B2A5, -B2B5, -B2C5,-B4B5, -A1A, -A1A5,-A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4D5,-F1A5, -F1B5, -E1A, -E4A5,-E4B5, -E4C5,-G1A5, -G2A5, -E4B5D, -G1A5D,-H1B5D, -H2B5D, -B2C5D,-B4B5D, -L3C5D, -J1A5D, -J1C5D, -J2A5D, -J3A5D, -J3C5D IO-540-C1B5, -C1C5, -C2C,-C4B5, -C4C5, -D4A5, -D4B5, -N1A5, -M1A5, -E1B5, -A1A5, -G1A5, -G1B5, -G1C5, -G1D5,-G1E5,-K1A5, -K1B5, -K1D5, -K1F5, -L1A5,-B1A5, -B1C5, -E1A5,-E1B5, -G1F5, -K1C5, -K1E5, -P1A5, -S1A5, -J4A5, -R1A5, -C4B5D,-C4D5D, -D4C5, -N1A5, -N1A5D, -T4A5D, -T4B5D,-V4A5D, -K1A5D, -K1F5D,-K1G5, -K1G5D, -K1H5,-K1J5, -K1J5D, -K1K5, -L1A5D, -M1A5D, -M1B5,-M1B5D, -U1A5D, -U1B5D, -W1A5D, -K1E5D,-AA1A5 H1O-540-A1A T1O-540-G1A, -A1A, -A1B,-A2A, -A2B, -A2C, -C1A,-E1A, -H1A,-U2A, -C1AD,-S1AD, -F2BD, -J2B, -J2BD, -N2BD, -R2AD AEIO-540-D4A5, -D4B5, -L1B5D LTIO-540-U2A, -F2BD,-J2B, -J2BD, -N2BD, -R2AD IGO-540-A1A, -A1C, -B1A,-B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A,-B1C VO-540-A1A, -B1A, -B1B, -B1B3, -B1C, -B1D, -B1F,-B1G, -B2D, -C1A, -C1B,-C1C3, -C2A, -C2C TVO-540-A1A T1O-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4 T1GO-541-E1A, -D1B IO-720-A1A, -A1B, -D1B,-B1B, -C1B, -B1BD, -D1C,-D1CD |

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|-------------|-------------|--------------------------------------|--|------------------|---|
| Seat, Valve | SL12688 | LW12688 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL12688, Rev: H</u> Date: 04/15/2003 or later FAA approved revisions | Lycoming Engines | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1C6, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6D, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F -D1A, -J1A6D, -K2A, A1O-360-A1A, -A1B, -B1B AEIO-360-A1A, -A1B, -A1B6, -A1D, -A1E, -A2B LIO-360-C1E, -C1E6, -C1E6D HIO-360-E1AD, -E1BD, -F1AD IO-540-M1A5, -E1B5, -A1A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -K1A5, -K1B5, -K1D5, -K1F5, -L1A5, -B1A5, -B1C5, -E1A5, -E1B5, -G1F5, -K1B5, -K1C5, -K1E5, -P1A5, -S1A5, -K1A5D, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -L1A5D, -M1A5D, -M1B5, -M1B5D, -U1A5D, -U1B5D, -K1E5D, -AA1A5 AEIO-540-L1B5D TIO-540-A1A, -A1B, -A2A, -A2B, -A2C, -F2BD, -J2B, -J2BD, -S1AD, -N2BD, -R2AD -U2A HIO-540-A1A LTIO-540-U2A, -F2BD, -J2B, -J2BD, -N2BD, -R2AD IGSO-540-A1A, -A1C, -A1D, -A1E, A1H, -B1A, -B1C IO-720-A1A, -A1B, -K1B, -D1C, -D1CD |

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| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-------------|-------------|--------------------------------------|--|------------------|--|
| Seat, Valve | SL12688-P10 | LW12688 P10 | Test and Computations per 14 CFR § 21.303, <u>DWG No: SL12688, Rev: H</u> Date: 04/15/2003 or later FAA approved revisions | Lycoming Engines | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1C6, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6D, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -D1A, -J1A6D, -K2A, A1O-360-A1A, -A1B, -B1B AEIO-360-A1A, -A1B, -A1B6, -A1D, -A1E, -A2B LIO-360-C1E, -C1E6, -C1E6D HIO-360-E1AD, -E1BD, -F1AD IO-540-M1A5, -E1B5, -A1A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -K1A5, -K1B5, -K1D5, -K1F5, -L1A5, -B1A5, -B1C5, -E1A5, -E1B5, -G1F5, -K1B5, -K1C5, -K1E5, -P1A5, -S1A5, -K1A5D, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -L1A5D, -M1A5D, -M1B5, -M1B5D, -U1A5D, -U1B5D, -K1E5D, -AA1A5 AEIO-540-L1B5D TIO-540-A1A, -A1B, -A2A, -A2B, -A2C, -F2BD, -J2B, -J2BD, -S1AD, -N2BD, -R2AD -U2A HIO-540-A1A LTIO-540-U2A, -F2BD, -J2B, -J2BD, -N2BD, -R2AD IGSO-540-A1A, -A1C, -A1D, -A1E, A1H, -B1A, -B1C IO-720-A1A, -A1B, -K1B, -D1C, -D1CD |

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

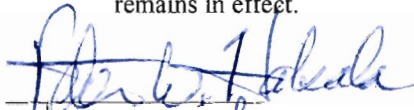
PMA NO. PQ0060SW
SUPPLEMENT NO. 79
REVISION 2
DATE April 15, 2011

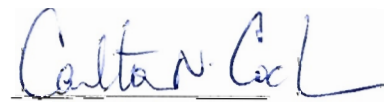
| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-------------|-------------|--------------------------------------|---|------------------|---|
| Seat, Valve | SL12688-P20 | LW-12688 P20 | Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL12688, <u>Rev:</u> H Date: 04/15/2003 or later FAA approved revisions | Lycoming Engines | IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1C6, -A1D, -A1D6, -A2A, -A2B, -A2C, -A3B6D, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F -D1A, -J1A6D, -K2A, AIO-360-A1A, -A1B, -B1B AEIO-360-A1A, -A1B, -A1B6, -A1D, -A1E, -A2B LIO-360-C1E, -C1E6, -C1E6D HIO-360-E1AD, -E1BD, -F1AD IO-540-M1A5, -E1B5, -A1A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -K1A5, -K1B5, -K1D5, -K1F5, -L1A5, -B1A5, -B1C5, -E1A5, -E1B5, -G1F5, -K1B5, -K1C5, -K1E5, -P1A5, -S1A5, -K1A5D, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -L1A5D, -M1A5D, -M1B5, -M1B5D, -U1A5D, -U1B5D, -K1E5D, -AA1A5 AEIO-540-L1B5D TIO-540-A1A, -A1B, -A2A, -A2B, -A2C, -F2BD, -J2B, -J2BD, -S1AD, -N2BD, -R2AD -U2A HIO-540-A1A LTIO-540-U2A, -F2BD, -J2B, -J2BD, -N2BD, -R2AD IGSO-540-A1A, -A1C, -A1D, -A1E, A1H, -B1A, -B1C IO-720-A1A, -A1B, -K1B, -D1C, -D1CD |

-----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.
- 3) Supplement 79, revision 2, dated April 15, 2011, updates Supplement 79, revision 1, dated July 12, 1995. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 79, revision 1. Supplement 79, revision 1, remains in effect.


S. Frances Cox
Manager, Special Aircraft Certification Office
ASW-190


Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection District Office
SW MIDO-42