

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

Shaw Aerox LLC  
 206 Ossipee Trail  
 P.O. Box 482  
 Limington, Maine 04049

PMA NO. PQ10006NE  
 SUPPLEMENT NO 5  
 DATE June 8, 2015

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility	
Cylinder	4110-200-1	176700-22	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Learjet Inc.	45	
		1270152-1		Beechcraft Corporation	B200	
Cylinder	4110-200-2	176700-50	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Airbus	The Boeing Company	717-200
		1270152-2			Pilatus Aircraft Limited	Pilatus PC-12 Pilatus PC-12/45 Pilatus PC-12/47
					A318 Model -111 A318 Model -112 A318 Model -121 A318 Model -122 A319 Model -111 A319 Model -112 A319 Model -113 A319 Model -114 A319 Model -115 A319 Model -131 A319 Model -132 A319 Model -133 A320 Model -111 A320 Model -211 A320 Model -212 A320 Model -214 A320 Model -231 A320 Model -232 A320 Model -233 A321 Model -111 A321 Model -112 A321 Model -131 A321 Model -211 A321 Model -212 A321 Model -213 A321 Model -231 A321 Model -232	
				ATR-GIE Avions de Transport Regional	ATR42-300 ATR42-320 ATR72-101 ATR72-102 ATR72-201 ATR72-202	
				Beechcraft Corporation	B200	
				Bombardier Inc.	CL-600-1A11 (CL-600) CL-600-2A12 (CL-601) CL-600-2B16 (CL-601-3A Variant) CL-600-2B19 (Regional Jet Series 100 & 440)	

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Cylinder	4110-200-2	176700-50 1270152-2	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Bombardier Inc.  Cessna Aircraft Company Embraer S.A.  Gulfstream Aerospace LP The Boeing Company  Saab AB Saab Aerosystems	CL-600-2C10 (Regional Jet Series 700, 701, & 702) CL-600-2D24 (Regional Jet Series 900) DHC-8-100 Series DHC-8-300 Series 208 208B EMB-145 EMB-145ER EMB-145MR EMB-145LR EMB-145XR EMB-145MP EMB-145EP 1125 Westwind Astra Astra SPX 717-200  340A (SAAB/SF340A) SAAB 340B Model SAAB 2000
Cylinder	4110-200-3	176700-77 1270152-3	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	ATR-GIE Avions de Transport Regional  Airbus	ATR42-300 ATR42-320 ATR72-101 ATR72-102 ATR72-201 ATR72-202 A318 Model -111 A318 Model -112 A318 Model -121 A318 Model -122 A319 Model -111 A319 Model -112 A319 Model -113 A319 Model -114 A319 Model -115 A319 Model -131 A319 Model -132 A319 Model -133 A320 Model -111 A320 Model -211 A320 Model -212 A320 Model -214 A320 Model -231 A320 Model -232 A320 Model -233 A321 Model -111

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Cylinder	4110-200-3	176700-77 1270152-3	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Airbus	A321 Model -112 A321 Model -131 A321 Model -211 A321 Model -212 A321 Model -213 A321 Model -231 A321 Model -232 A330-201 A330-202 A330-203 A330-223 A330-301 A330-302 A330-303 A330-321 A330-322 A330-323 A330-341 A330-342 A330-343 A340-211 A340-212 A340-213 A340-311 A340-312 A340-313 A340-541 A340-642 The Boeing Company 777-200 Series 717-200 Bombardier Inc CL-600-2C10 (Regional Jet Series 700, 701, & 702) CL-600-2D24 (Regional Jet Series 900) Cessna Aircraft Company 560 Dassault Aviation FALCON 900EX FALCON 2000 Embraer S.A. ERJ 170-100 STD ERJ 170-100 SU ERJ 170-100 LR ERJ 170-100 SE ERJ 170-200 STD ERJ 170-200 LR ERJ 170-200 SU Gulfstream Aerospace LP 1125 Westwind Astra Astra SPX Beechcraft Corporation B200 1900D

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Cylinder	4110-200-3	176700-77 1270152-3	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Beechcraft Corporation Mooney International Corporation	400 400A M20J M20K M20R M20S
Cylinder	4110-200-4	176700-115 1270152-4	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Airbus	A300, Model B4-601 A300, Model B4-603 A300, Model B4-620 A300, Model B4-605R A300, Model B4-622 A300, Model B4-622R A300, Model F4-605R A300, Model F4-622R A300, Model C4-605R Variant F A319 Model -111 A319 Model -112 A319 Model -113 A319 Model -114 A319 Model -115 A319 Model -131 A319 Model -132 A319 Model -133 A320 Model -111 A320 Model -211 A320 Model -212 A320 Model -214 A320 Model -231 A320 Model -232 A320 Model -233 A330-201 A330-202 A330-203 A330-223 A330-243 A330-301 A330-302 A330-303 A330-321 A330-322 A330-323 A330-341 A330-342 A330-343 A340-211 A340-212 A340-213 A340-311

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Cylinder	4110-200-4	176700-115 1270152-4	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Airbus  The Boeing Company  Bombardier Inc.  Dassault Aviation  Embraer S.A. Beechcraft Corporation Mooney International Corporation Gulfstream Aerospace Corporation	A340-312 A340-313 A340-541 A340-642 777-200 Series 777-300 Series 777-300ER Series 777-200LR Series 717-200 MD-11 MD-11F CL-600-1A11 (CL-600) CL-600-2A12 (CL-601) CL-600-2B16 (CL-601-3A Variant) CL-600-2B16 (CL-604 Variant) DHC-8-100 Series DHC-8-200 Series DHC-8-300 Series MYSTERE-FALCON 900 FALCON 900EX FALCON 2000 FALCON 2000EX EMB-120 B200 M20R M20S G-IV
Cylinder	4110-200-5	176700-40 1270452	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Airbus  The Boeing Company  Embraer S.A. Fokker Services B.V.	A320 Model -111 A320 Model -211 A320 Model -212 A320 Model -214 A320 Model -231 A320 Model -232 A320 Model -233 717-200 EMB-120 F.27 Mark 050 F.28 Mark 0070 F.28 Mark 0100 F.28 Mark 1000 F.28 Mark 2000 F.28 Mark 3000

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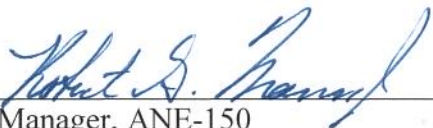
Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Cylinder	4110-200-5	176700-40 1270452	Test and Computation Per 14 CFR 21.303 Dwg No. 4110-200-X Rev: D Date: 4/08/2014 or later FAA approved revision	Fokker Services B.V. Learjet Inc	F.28 Mark 4000  31 55 60


-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.

  
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Manager, ANE-150  
Aircraft Certification Office

  
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Manager, ANE-MIDO-42  
Manufacturing Inspection District  
Office