



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

**Transport Airplane Directorate  
Aircraft Certification Service  
Seattle MIDO**

2500 East Valley Road, Suite C-2  
Renton, Washington 98057

July 2, 2008

Metal Innovations, Inc  
22255 Yellow Gate Lane NE  
Aurora, OR 97002


Dear Ms Kinne:

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

Per 14 CFR part 21 subpart K, we found design data submitted with your letter dated June 19, 2008 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on STC SA1750NM. Also, we determined that your company set up the fabrication inspection system at 22255 Yellow Gate Lane NE Aurora, Oregon as required by 14 CFR § 21.303(h). Therefore, we grant parts manufacturer approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No. 2.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated July 2, 2008 also apply to the enclosed PMA Listing-Supplement No. 2. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

  
for  
Wolf R. Caliebe,  
Manager, Seattle Manufacturing  
Inspection District Office

Enclosure

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

**METAL INNOVATIONS, INC**  
**22255 YELLOW GATE LANE NE**  
**AURORA, OR 97002**

**PMA NO: PQ2457NM**  
**SUPPLEMENT NO: 2**  
**DATE: July 2, 2008**

<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>
Heat Shield Assy	0520-51-1001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Heat Shield Assy, FWD	0520-51-1101	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Heat Shield Assy, Oil Pan	0520-51-1201	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Heat Shield Assy, Motor Mount, LH	0520-51-1301	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Heat Shield Assy, Motor Mount, RH	0520-51-1401	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Heat Shield Assy, Turbo	0520-51-1501	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Assy	0520-78-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)

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Exhaust Assy, RH	0520-78-0002	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Riser, Cylinder #1	0520-78-0102	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Riser, Cylinder #3	0520-78-0302	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Riser, Cylinder #5	0520-78-0502	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust, Heat exchanger	0520-78-0022	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust, Heat exchanger, Shroud	0520-51-0022	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Assy, LH	0520-78-0003	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Riser, Cylinder #2	0520-78-0203	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Riser, Cylinder #4	0520-78-0403	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane,

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					Floatplane, Amphibian)
Exhaust Riser, Cylinder #6	0520-78-0603	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust, Cross Over, LH	0520-78-0613	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Assy, FWD Collector	0520-78-0004	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust, Cross Over, RH	0520-78-0024	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Assy, Waste Gate	0520-78-0044	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Pipe, bypass	0520-78-0054	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Exhaust Pipe, tailpipe	0520-78-0064	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Induction System Assy (use ICD for drawing)	0520-76-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)

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ASSEMBLY, AIRSCOOP	0520-76-0101	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Aircoop	0520-76-0111	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Door, Alternate Air assembly	0520-76-0201	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Turbo Mount Assy	0520-51-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Turbo Mount, support Assy	0520-51-0011	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Turbo Mount, Angle, Attach RH	0520-51-0021	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Turbo Mount, Angle, Attach LH	0520-51-0031	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Hose assy, case to "T"	0520-79-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)

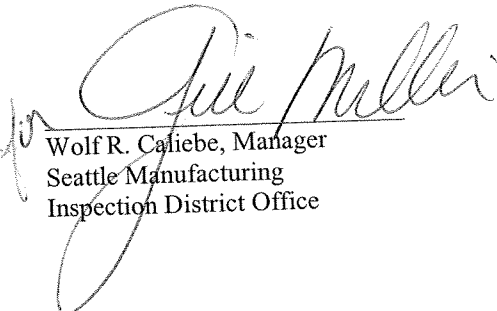
<b>PART NAME</b>	<b>PART NUMBER</b>	<b>APPROVED REPLACEMENT FOR PART NUMBER</b>	<b>APPROVAL BASIS AND APPROVED DESIGN DATA</b>	<b>MAKE ELIGIBILITY</b>	<b>MODEL ELIGIBILITY</b>
Restrictor Assy (use ICD for drawing)	0520-79-0009	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Hose assy, "T" to turbo inlet check valve	0520-79-0002	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Fitting, oil inlet Assy	0520-79-0003	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Fitting, oil drain Assy	0520-79-0004	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Hose assy, turbo drain to pump	0520-79-0005	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Hose, Union to pump	0520-79-0006	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Hose assy, pump to engine oil filler neck	0520-79-0007	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Line, Aneroid Supply	0520-73-0201	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Line, Deck Pressure Supply	0520-73-0301	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Amphibian)

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					Floatplane, Amphibian)
Tube, Intake Assy	0520-73-0501	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Adapter, Deck Pressure to Aneroid	0520-73-0601	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Adapter, Cabin Air Mixer Assy	0520-21-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Bracket, prop governor cable support	0520-61-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Fuel Supply line from pump to manifold	0520-28-0001	Modification Part	STC SA1750NM Dwg No: MDL MII DOC00017 Rev: E Date: 5/1/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Engine oil filler neck, MODIFIED ASSY	0520-79-0008	Modification Part	STC SE01844SE Dwg No: MDL MII DOC00027 Rev: C Date: 3/18/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)
Junction "J" Block Assy	0520-73-0101	Modification Part	STC SE01844SE Dwg No: MDL MII DOC00027 Rev: C Date: 3/18/08 or later FAA-approved revisions	Cessna	185, 185A, 185B, 185C, 185D, 185E, A185E & A185F (Landplane, Skiplane, Floatplane, Amphibian)

PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS AND APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
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-----End of Listing-----

NOTE: The procedures that have been accepted by the type certificate or TSO authorization holder and their cognizant FAA Aircraft Certification Office, for minor changes to original parts used on type-certificated product, are also acceptable for incorporating the same minor changes on identical PMA replacement parts. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA parts must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original PMA.



Wolf R. Canibe, Manager  
Seattle Manufacturing  
Inspection District Office