

FAA Approved Repair Specifications and how it correlates to Aeromotors Fuel Pump part number B8120-M, s/n 1807225

Repair Specifications (RS), provide an alternative to major repair technical data as well as the methods, techniques and practices contained in the current manufacturer's manuals and service bulletins, in meeting § 43.13 performance rules. Approval as an RS is required for multiple-use major repairs that do not come from the Design Approval Holder (DAH), or Production Approval Holder (PAH). RSs include step-by-step "how to" instructions for performing the repair. The RS describes how the repair will be accomplished, inspected, and maintained. An acceptable RS, provides the technical data for use in approving the aircraft or product for return to service and is intended to be used repeatedly;

The Designated Engineering Representatives (DERs) that are granted the specific authority to manage and approve technical data in repair specifications are called "RS-DERs". An RS-DER can approve serial number specific major repair data, approve non-serial number-specific major repair data, and manage repair specification approvals. Technical data approved by a DER must contain all of the data necessary to show that the repaired or altered product conforms to the airworthiness standards applicable to that product. The RS-DER indicates the RS is approved for use by signing the title/signature page of the RS with their DER number along with the applicant who plans on using the RS.

An RS is authorized for use by the FAA for a specific maintenance entity. This includes maintenance facilities holding a 14 CFR part 145 certificate. Repair stations may perform the repair under an appropriate rating for the article in which the RS applies.

The Aeromotors Fuel Pump, part number B8120-M, s/n 1807225 was overhauled and tested in accordance with an FAA designees' (RS-DER), approved Repair Specification AS28-041, as listed on FAA Form 8130-3. In addition, a step in the RS document instructs the technician to install an Aeromotors data plate. This action and the RS technically invalidates the Production Approval Holder's (Weldon's), original design, thereby making this part an Aeromotors Fuel Pump. Aeromotors is an FAA approved Part 145 repair station with current capabilities to repair this pump.

**AEROMOTORS, LLC
304 E. MURRAY ST.
BROWNTOWN, WI. 53522**

REPAIR STATION NUMBER: 01MR357Y

**Overhaul and Repair Procedure: AS28-041
Overhaul / Repair of Weldon Pumps**

Revision (9) Date: 10/31/18

Data contained in this procedure may be used as approved data when: The overhaul / repair is accomplished by the Certificate Holder identified above, and the Procedures Title Page contains all the required signatures.

Weldon [Piper] Pump Part Numbers

"J" Style Lip Seal: AA8001-(G&H), B8001-G [33959-3], B8001-H [33959-2], 8007-B, 8008-C, 8009-(A & B), A8009-(A & B), 8010-A, 8016-B, 8017-A, C8100-J [763-518], (B)8100- (A,AA,C,CC), C8100-(E, F & L), B8103-F, 8110-(A&C), A8110-(C, F & G), 8115-B, 8116-B, 8120-G [481-780, 67881-05], 8120-(AB,H, J, K, L & M), 8123-H, 8136-B, 8140-B

"J" Style Face Seal: A8007-B, B8009-(A & B), C8009-(A & B), A8016-(B & B1), A8017-A, 8018-A, A8019-A, D8100-(E & F), B8110-(F & G), B8118-A, B8120-G [461-758], B8120-(H, J, K & M), A8123-H, A8127-(A & B), A8136-B, A8148-(A & B) , 269A8304-(19 & 21)

"JA" Style: A8120-(A, B, C & D), A8121-B & A8122-A

I certify that the overhaul / repairs described in this document will restore the aircraft components listed above, to an airworthy condition:

Signature: [Redacted Signature] Date: 10/31/2018

Ole Bartelt: General Manger, Aeromotors, LLC

I find the technical data is adequate to substantiate the overhaul / repair design and the overhaul / repair is in compliant with applicable airworthiness CFRs.

Signature: [Redacted Signature] Date: 10/31/18

Robert J. Bohm: RS-DER ID Number DERT-405022-CE

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10/01/99

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Accepted by:

Aviation Safety Inspector (Airworthiness)
Milwaukee Flight Standards District Office
IIIB

Date:

7/18/2019

07/01/19

Capabilities List
Revision No. (124)

Appendix B: List of Approved Overhaul / Repair Procedures.

Following is the List of approved Overhaul / Repair Procedures for Aeromotors LLC.

itle	Procedure Number	Rev.
Repair / Overhaul of Airborne and Rapco Fuel Booster Pumps	AS28-004	(27)
Repair / Overhaul of Airborne Fuel Booster Pumps	AS28-005	(22)
Repair / Overhaul of Airborne Fuel Booster Pumps	AS28-006	(4)
Repair / Overhaul of Airborne Fuel Booster Pumps	AS28-007	(10)
Repair / Overhaul of Airborne Fuel Booster Pumps	AS28-008	(21)
Overhaul / Repair of Airborne Fuel Booster Pumps	AS28-009	(11)
Repair / Overhaul of Airborne Fuel Booster Pumps	AS28-010	(9)
Overhaul / Repair of Airborne Fuel Booster Pumps	AS28-011	(4)
Overhaul / Repair of Airborne Fuel booster Pumps	AS28-012	(--)
Overhaul / Repair of Dukes Fuel Pumps (Small Rotor)	AS28-031	(14)
Overhaul / Repair of Dukes Fuel Pumps (Large Rotor)	AS28-032	(10)
Overhaul / Repair of Dukes Fuel Pumps (Large Rotor)	AS28-033	(8)
Overhaul / Repair of Dukes Fuel Pumps (Large Rotor)	AS28-034	(6)
Overhaul / Repair of Weldon Pump Cartridge Assemblies	AS28-040	(2)
Overhaul / Repair of Weldon Fuel Pumps	AS28-041	(9)
Overhaul / Repair of Weldon Fuel Pumps, "JC" Style	AS28-042	(5)
Overhaul / Repair of Weldon Fuel Booster Pumps	AS28-043	(--)
Overhaul / Repair of Weldon Fuel Pumps, A&B Series	AS28-044	(2)
Overhaul / Repair of Weldon Fuel Pumps, V4 Series	AS28-045	(4)

Appendix C:

Capability List

Following is the list of aircraft components, parts and accessories that Aeromotors LLC is authorized to return to service

Model, Series Or Part Number	Nomenclature	Approved Data (As revised)
A8148-B	"J" Style Fuel Pump (Weldon)	AS28-041
AA8001-G	"J" Style Fuel Pump (Weldon)	AS28-041
AA8001-H	"J" Style Fuel Pump (Weldon)	AS28-041
B8001-G	"J" Style Fuel Pump (Weldon)	AS28-041
B8001-H	"J" Style Fuel Pump (Weldon)	AS28-041
B8009-A	"J" Style Fuel Pump (Weldon)	AS28-041
B8009-B	"J" Style Fuel Pump (Weldon)	AS28-041
B8103-F	"J" Style Fuel Pump (Weldon)	AS28-041
B8110-F	"J" Style Fuel Pump (Weldon)	AS28-041
B8110-G	"J" Style Fuel Pump (Weldon)	AS28-041
B8118-A	"J" Style Fuel Pump (Weldon)	AS28-041
B8120-G	"J" Style Fuel Pump (Weldon)	AS28-041
B8120-H	"J" Style Fuel Pump (Weldon)	AS28-041
B8120-J	"J" Style Fuel Pump (Weldon)	AS28-041
B8120-K	"J" Style Fuel Pump (Weldon)	AS28-041
B8120-M	"J" Style Fuel Pump (Weldon)	AS28-041
C8009-A	"J" Style Fuel Pump (Weldon)	AS28-041
C8009-B	"J" Style Fuel Pump (Weldon)	AS28-041
8100-E	"J" Style Fuel Pump (Weldon)	AS28-041
C8100-F	"J" Style Fuel Pump (Weldon)	AS28-041
C8100-J	"J" Style Fuel Pump (Weldon)	AS28-041
C8100-L	"J" Style Fuel Pump (Weldon)	AS28-041
D8100-E	"J" Style Fuel Pump (Weldon)	AS28-041
D8100-F	"J" Style Fuel Pump (Weldon)	AS28-041
A8120-A	"JA" Style Fuel Pump (Weldon)	AS28-041
A8120-B	"JA" Style Fuel Pump (Weldon)	AS28-041
A8120-C	"J" Style Fuel Pump (Weldon)	AS28-041
A8120-D	"JA" Style Fuel Pump (Weldon)	AS28-041
A8121-B	"JA" Style Fuel Pump (Weldon)	AS28-041
A8122-A	"JA" Style Fuel Pump (Weldon)	AS28-041
8150-B	"JC" Style Fuel Pump (Weldon)	AS28-042
8152-B	"JC" Style Fuel Pump (Weldon)	AS28-042
8153-C	"JC" Style Fuel Pump (Weldon)	AS28-042
8154-A	"JC" Style Fuel Pump (Weldon)	AS28-042
8154-B	"JC" Style Fuel Pump (Weldon)	AS28-042
8157-B	"JC" Style Fuel Pump (Weldon)	AS28-042
8158-A	"JC" Style Fuel Pump (Weldon)	AS28-042
8158-B	"JC" Style Fuel Pump (Weldon)	AS28-042