



| <b>SERVICE LETTER NUMBER 131</b>                                   |  |                 |                        |
|--|--|-----------------|------------------------|
| <b>TITLE: Husky Model A-1B/A-1C 2250 LB Increased Gross Weight</b> |  |                 |                        |
| BY: J. SORTOR  | AIRCRAFT MAKE/MODEL(S):                          | FLOAT MODEL(S): | NOTE(S):               |
| APP: R. ADLER  | Aviat Aircraft, Inc.<br>A-1B, A-1C-180, A-1C-200 | 2100/2100A      | OPTIONAL COMPLIANCE    |
| DATE: 6/29/2012  |  |                 | <b>S/L P/N 1005789</b> |
| REV: IR  |  |                 | <b>ECO 22750</b>       |

FAA APPROVAL HAS BEEN OBTAINED FOR TECHNICAL DATA IN THIS PUBLICATION THAT AFFECTS STC OR TSO DESIGN COMPLIANCE

**EFFECTIVITY:**

A-1B: S/N 2285, 2288, and Up, modified by Aviat Aircraft, Inc. Service Letter No. 3.

A-1C-180, A-1C-200: S/N 3000, and up.

**COMPLIANCE:**

Service letter compliance is optional.

**BACKGROUND:**

Aviat Aircraft, Inc. has recently obtained approval for a takeoff gross weight increase to 2250 lbs for the Model A-1C-180 and A-1C-200 aircraft. For Wipline 2100 float equipped aircraft, this takeoff gross weight increase is applicable to the A-1C Models and later S/N A-1B aircraft, subsequent to installation of Kit 1005789-1 of this service letter. (Eligible Model A-1B aircraft must have applicable portions of Aviat S.L. 3 installed). Additionally, installation of Kit 1005789-2 of this Service Letter will provide approval for operations at a maximum takeoff and landing gross weight of 2250 lbs.

**COMPLIANCE METHOD:**

Install the parts listed in this service letter in accordance with the instructions in the Technical Data section.

**APPROX. SHOP HOURS:**

This service letter will take approximately 3.5 labor hours to complete.



**WARRANTY INFORMATION:**

Parts and labor warranty is not included for installation of this modification. Parts included with the Kit are covered for a period of 12 months by the Wipaire standard parts warranty.

**PARTS LIST:**

1005789-1

| Hardware for 2250 Lbs. Takeoff Gross Weight with Wipline 2100/2100A Installed |  |                   |
|---|--|-------------------|
| Description   | Part Number  | Quantity Required |
| Lug, Wire Pull, Aft, Upper, Husky   | 1005803  | 2                 |
| Lug, Wire Pull, Aft, Lower, Husky   | 1005804  | 2                 |
| Clevis, Fly Wire, Left Hand, SS   | AN665-61LS   | 2                 |
| Clevis, Fly Wire, Right Hand, SS  | AN665-61RS   | 2                 |
| Clevis Pin*   | MS20392-5C21   | 4                 |
| Check Nut, Left*  | AN316C6L   | 2                 |
| Check Nut, Right*   | AN316C6R   | 2                 |
| Cotter Pin*   | MS24665-301  | 4                 |
| AFMS  | POHSA00637CH-S-6 Straight<br>POHSA00637CH-A-3 Amphibious | 1                 |

\* These items included with AN665-61LS or -61RS assy.

1005789-2

| Hardware for 2250 Lbs. Takeoff/Landing Gross Weight with Wipline 2100/2100A Installed |  |                   |
|---|--|-------------------|
| Description   | Part Number  | Quantity Required |
| Lug, Wire Pull, Aft, Upper, Husky   | 1005803  | 2                 |
| Lug, Wire Pull, Aft, Lower, Husky   | 1005787  | 2                 |
| Assy., Drag Wire  | 21A02000-164   | 2                 |
| Clevis Pin*   | MS20392-5C21   | 4                 |
| Check Nut, Left*  | AN316C6L   | 2                 |
| Check Nut, Right*   | AN316C6R   | 2                 |
| Cotter Pin*   | MS24665-301  | 4                 |
| AFMS  | POHSA00637CH-S-6 Straight<br>POHSA00637CH-A-3 Amphibious | 1                 |

\* These items included with 20A02000-164 drag wire assy.

**TECHNICAL DATA:**

**1005789-1 Modifications: (Refer to Drawing 10D1-6004, Revision F or later)**

1. Support aircraft using hoist or jacks so that weight is removed from float struts.
2. Remove aft fly wires and replace existing AN665-46LS and AN665-46RS clevis (one each per wire) with supplied AN665-61LS and AN665-61RS clevis. Existing AN316C5L and AN316C5R check nuts can be reused if acceptable, or replace with supplied new check nuts.
3. Remove upper aft 21A02519-004 wire pulls (1 per side) and replace with 1005803 wire pulls.
4. Remove lower aft 21A02519-005 wire pulls (1 per side) and replace with 1005804 wire pulls.
5. Reinstall modified fly wires using MS20392-5C21 Clevis Pins and MS24665-301 Cotter Pins. Adjust to proper tension.
6. Remove aircraft from jacks or hoist.
7. Replace existing 2100 float AFMS with new AFMS showing increased gross weight approval.
8. Complete appropriate paperwork to document modification.

**1005789-2 Modifications: (Refer to Drawing 10D1-6004, Revision F or later)**

1. Support aircraft using hoist or jacks so that weight is removed from float struts.
2. Remove aft fly wires.
3. Remove upper aft 21A02519-004 wire pulls (1 per side) and replace with 1005803 wire pulls.
4. Remove lower aft 21A02519-005 wire pulls (1 per side) and replace with 1005787 wire pulls.
5. Install new fly wires 21A02000-164 using included MS20392-5C21 Clevis Pins and MS24665-301 Cotter Pins. Adjust to proper tension.
6. Remove aircraft from jacks or hoist.
7. Replace existing 2100 float AFMS with new AFMS showing increased gross weight approval.
8. Complete appropriate paperwork to document modification. Complete Service Letter compliance sheet (attached) and submit to Wipaire

**NOTES:**

After completion of the instructions in this service letter, make an entry as such in the aircraft logbook in accordance with your local Civil Aviation regulations. Wipaire considers the weight and balance change to be negligible for this modification.

Copies of this service letter are available on the website at [www.wipaire.com](http://www.wipaire.com).



**Service Letter 131 Compliance Sheet**

This is to certify that I have installed the following service kit:

1005789-1

1005789-2

in accordance with the applicable instructions of Service Letter 131.

Model Number:

A-1B

A-1C-180

A-1C-200

Serial Number: \_\_\_\_\_

Registration Number: \_\_\_\_\_

Float Serial Numbers: \_\_\_\_\_ & \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please submit completed form to Wipaire via e-mail, fax, or post, to:

Wipaire, Inc.

1700 Henry Ave. – Fleming Field

South Saint Paul, MN 55075

Attn: Engineering – Jalon Sortor

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