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SERVICE BULLETIN

No. SB-AG-59

Initial Release 09/09/2013

UNITED INSTRUMENTS, INC. SERVICE BULLETIN NO. 12

AIRPLANES AFFECTED:

Note: The serial numbers below represent known locations for the suspect altimeters. All Thrush S2R operators that have procured altimeters since June 2012 should verify that they do not have one of the suspect altimeters. If a suspect altimeter is found, follow the instructions shown in this bulletin.

| <u>MODEL</u> | <u>SERIAL NUMBERS</u> |
|--------------|--|
| S2RHG-T65 | T65HG-027. |
| S2R-G10 | G10-174, 175DC, 176. |
| S2R-T34 | T34-379DC, 383, 384DC, 385, 386, 387, 389DC, 390, 391, 392, 393, 394, 395DC, 396DC, 397, 398, 399, 400, 401DC, 402, 403, 404, 405DC, 406, 407, 408, 410DC, 411, 412, 414, 415DC, 416DC, 420DC. |
| S2R-H80 | H80-103, 105, 106, 107, 108, 109, 110, 111DC, 112, 114, 115, 116, 117DC, 118DC, 119, 120DC, 121DC, 122DC, 123, 124, 125, 128DC, 129, 130, 134, 135. |

LOG OF REVISIONS

NOTE: Re-formatting and correction of typographical errors is not considered revision. True revisions are indicated by a dark vertical line at the right margin of the lines revised.

| Rev. | Page | Description of Revision | By: |
|------|------|-------------------------------|----------------|
| IR | All | New Document Initial Release. | TP 9/9/2013 |
| | | | |

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1 PURPOSE/REASON FOR PUBLICATION:

United Instruments, Inc. recently published Service Bulletin No. 12 to owners or users of certain United Instruments, Inc. 5934 Series Altimeters, 5035 Encoding Altimeters, 7(1)00 Series (I) VSI, and 9560 Series Turn and Slips.

The title of the bulletin is Instruments Dial Paint. The document referenced. "Replacement of nonconforming dials and disk pointers installed in the affected instruments." These instruments were primarily manufactured between June 2012 and June 2013.

2 SCOPE/COMPLIANCE:

This Service Bulletin is mandatory for all S2R airplanes that could be affected.

3 BY WHOM WORK WILL BE ACCOMPLISHED:

The work is to be accomplished by an FAA licensed A&P mechanic, or foreign equivalent. The action must be recorded in the airplane log book and signed off by the mechanic.

4 APPROVAL:

4.1 THRUSH AIRCRAFT, INC. APPROVAL

This Service Bulletin is approved by Thrush Aircraft, Inc. Proper execution of this Service Bulletin is required because United Instruments has documented the following statement in their Service Bulletin.

"Description: The paint on dial may crack and separate from the surface, which could potentially affect the functionality of the instrument.

4.2 FAA APPROVAL

Per AC 20-114 dated 10/22/1981, FAA approval is not required as there is no change to type design.

5 EFFECTIVITY CODES

United Instruments, Inc.
5934 Series Altimeter
August 2013

Affected Serial No's. for
Thrush Aircraft Inc.
Group 2 (Group 1)

498030
498033
498035-498037
498039-498041
498054
498408
498415
498418-498419
498422-498423
498426
499087-499088
499092
499094-499098
499109-499110
499113
499503-499504
499520-499521
499524
499547-499548
499550-499553
499556
499563
499579-499580
499582-499586
499588
499590-499596
499598-499600
TOTAL 58

(500437)
(500498-500512)
(TOTAL 16)

Affected Serial Number List

| 5934 Series Altimeter S/N | |
|---------------------------|---|
| S/N Range | Excluded(already corrected) |
| 496886-496940 | |
| 496974-496994 | |
| 496996-497086 | |
| 497156-497160 | |
| 497164-497173 | |
| 497229-497519 | |
| 497539-497579 | |
| 497582-497872 | 497784 |
| 497893-497912 | |
| 497917-498263 | |
| 498265-498564 | |
| 498566-498734 | |
| 498742-499461 | 498935,498944,498988,499338 499369,499377,499438 |
| 499499-499604 | |
| 499611-499666 | 499648 |
| 499805-499863 | 499817 |
| 499900-499911 | |
| 499927-499935 | |
| 500033-500042 | 500038,500040 |
| 500205-500221 | 500218 |
| 500233-500242 | 500234,500241 |
| 500300-500309 | |
| 500328-500329 | |
| 500332-500373 | 500349,500352 |
| 500791-500799 | 500792 |

| 5035 Series Enc-Altimeter S/N | |
|-------------------------------|-----------------------------|
| S/N Range | Excluded(already corrected) |
| 36731-36735 | |
| 36744-36746 | |
| 36753-36758 | |
| 36775-36784 | |
| 36805-36806 | |
| 36714-36730 | |
| 36736-36743 | |
| 36747-36752 | |
| 36759-36774 | |
| 36794-36804 | |
| 36785-36793 | |
| 36807-36821 | |

| 7000/7100 Series VSI/IVSI S/N | |
|-------------------------------|---|
| S/N Range | Excluded(already corrected) |
| 10709-10716 | 10710,10714 |
| 10724-10743 | 10734,10736 |
| 10755-10774 | |
| 329694-329793 | |
| 329958-330037 | |
| 330165-330240 | |
| 330363-330412 | |
| 330462-330510 | |
| 330623-330677 | |
| 330678-330714 | 330679,330681,330687,330688 330691,330700,330703,330704 330705,330706,330708,330709 330710,330711,330712 |
| 329814-329840 | |
| 330048-330127 | |
| 330243-330257 | |
| 330413-330461 | |
| 330524-330544 | |
| 329841-329934 | |
| 330128-330163 | |
| 330258-330312 | |
| 330715-330784 | 330751,330784 |

| 9500 Series 3" T/S S/N | |
|------------------------|-----------------------------|
| S/N Range | Excluded(already corrected) |
| 2866-2907 | |
| 2908-2955 | |
| 2956-3004 | |
| 3005-3032 | |
| 3033-3081 | |
| 3082-3101 | |
| 3102-3120 | |
| 3121-3152 | |
| 3153-3171 | |

6 DETAILED INSPECTION AND REPAIR REQUIREMENTS

Reference attached United Instruments, Inc. Service Bulletin No. 12, dated 8/27/2013



UNITED INSTRUMENTS, INC.

3625 Comotara Avenue, Wichita, Kansas 67226
Phone: (316) 636-9203 Telexfax: (316) 636-9243

Service Bulletin No. 12
August 27, 2013

SERVICE BULLETIN

TO: Owner or user of certain United Instruments, Inc. 5934 Series Altimeters, 5035 Encoding Altimeters, 7(1)00 Series (I) VSI, and 9560 Series Turn and Slips

TITLE: Instruments Dial Paint

PURPOSE: Replacement of nonconforming dials and disk pointers installed in the affected instruments. These instruments were primarily manufactured between June 2012 and June 2013.

EFFECTIVITY: Refer to the affected S/N List attached

GENERAL: The instrument dials and certain pointers covered by this bulletin may display paint cracks and paint detachment from the parts.

DESCRIPTION: The paint on dial may crack and separate from the surface, which could potentially affect the functionality of the instrument.

CORRECTIVE ACTION: Replace with new dials and pointers.

IDENTIFICATION: Instruments with the new dial and pointer on the applicable instruments will be identified with a yellow dot at two different locations, approximately 0.25 inch (6 mm) in the upper half area on the rear side of the case and between the left side of the nameplate and case.

COMPLIANCE AND HANDLING INSTRUCTION:

1. Instruments currently installed in Aircraft:
Identify the instruments if they have the affected S/N on nameplates. If so, remove and return instruments to the manufacturer, or its authorized distributors, for warranty correction in accordance with the manufacturer's instruction, immediately.
2. Instruments currently NOT installed in aircraft:
Return all affected instruments to the manufacturer, or its authorized distributors, for warranty correction no later than December 31, 2013.

Service Bulletin No. 12
August 27, 2013

3. Returning Instruction:

When returning the instruments to the manufacturer, or its authorized distributors, each instrument should be adequately wrapped and packaged in a container no smaller than 8"x8"x8" to protect it from damage, and send by United Parcel Service (UPS) Ground Service.

4. Credit Information

- Removal and Installation: For an instrument already installed in an aircraft within the affected serial numbers, the actual charges incurred for removal and reinstallation (to include required check for static system leaks) will be reimbursed in the amount of maximum \$80 for each aircraft. A completed claim form must be submitted to be eligible for reimbursement by December 31, 2013.
- Freight: Ship by United Parcel Service (UPS) Ground Service freight collect, Account No. 0(zero)EW0(zero)43 to one of the following locations:

United Instruments, Inc., 3625 Comotara Avenue, Wichita, KS 67226
316-636-9203, customerservice@unitedinst.com

United Instruments' designated service facilities, for your convenience, and any updates regarding the service bulletin will be posted in United Instruments' website: www.unitedinst.com, for any update.



UNITED INSTRUMENTS INC
3625 COMOTARA AVE
WICHITA KS 67226
ph: 316-636-9203, fx:316-636-9243

Service Bulletin No. 12
AUG/27/2013

CLAIM FORM

OWNER NAME: _____ COMPANY NAME: _____

ADDRESS1: _____

ADDRESS2: _____

ACFT MAKE: _____ MODEL: _____ SERIAL #: _____

INST P/N: _____ INST S/N: _____ REMOVED; S/N: _____ INSTALLED

DATE COMPLETED: _____ CERTIFIED MECH.: _____

FBO NAME: _____ CERT. NO.: _____

FOB ADDRESS : _____
: _____
: _____

DO NOT WRITE BELOW THIS LINE:
