



US Department of Transportation  
Federal Aviation Administration

**MAJOR REPAIR AND ALTERATION  
(Airframe, Powerplant, Propeller, or Appliance)**

Form Approval  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

|             |                                                                              |                                                                                           |
|-------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1. Aircraft | Make<br>Aero Commander                                                       | Model<br>112                                                                              |
|             | Serial No.<br>169                                                            | Nationality and Registration Mark<br>N112WN                                               |
| 2. Owner    | Name (As shown on registration certificate)<br>Aircraft Owners & Pilots Assn | Address (As shown on registration certificate)<br>421 Aviation Way<br>Frederick, MD 21701 |

3. For FAA Use Only

Inspected by a certificated repairman.  
 Inspected by a certificated repairman, approved only for the work specified in the person's authorization.  
 Inspected by a certificated repairman, approved only for the work specified in the person's authorization.

MAY 31 2005  
 MAY 31 2005

RICHARD J. HERMANN  
 PRINCIPAL AIRWORTHINESS INSPECTOR 3165

4. Unit Identification

5. Type

| Unit       | Make                           | Model | Serial No. | Repair | Alteration |
|------------|--------------------------------|-------|------------|--------|------------|
| AIRFRAME   | (As described in item 1 above) |       |            |        | X          |
| POWERPLANT |                                |       |            |        |            |
| PROPELLER  |                                |       |            |        |            |
| APPLIANCE  | Type                           |       |            |        |            |
|            | Manufacturer                   |       |            |        |            |

6. Conformity Statement

|                                                                                                 |                                     |                               |                                   |
|-------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| A. Agency's Name and Address<br>Dennis Wolter<br>Air Mod<br>2025 Sports Dr<br>Batavia, OH 45103 | B. Kind of Agency                   |                               | C. Certificate No.<br>AP21535421A |
|                                                                                                 | <input checked="" type="checkbox"/> | U.S. Certificated Mechanic    |                                   |
|                                                                                                 | <input type="checkbox"/>            | Foreign Certificated Mechanic |                                   |
|                                                                                                 | <input type="checkbox"/>            | Certificated Repair Station   |                                   |
|                                                                                                 | <input type="checkbox"/>            | Manufacturer                  |                                   |

I, \_\_\_\_\_, certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation regulations and that the information furnished herein is true and correct to the best of my knowledge.

|                  |                                        |               |
|------------------|----------------------------------------|---------------|
| Date<br>05 31 05 | Signature of Authorized Individual<br> | Dennis Wolter |
|------------------|----------------------------------------|---------------|

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

|    |                              |                |                                                              |                 |
|----|------------------------------|----------------|--------------------------------------------------------------|-----------------|
| BY | FAA Fit. Standards Inspector | Manufacturer   | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |
|    | FAA Designee                 | Repair Station | Person Approved by Transport Canada Airworthiness Group      |                 |

|                               |                                |                                    |
|-------------------------------|--------------------------------|------------------------------------|
| Date of Approval or Rejection | Certificate or Designation No. | Signature of Authorized Individual |
|-------------------------------|--------------------------------|------------------------------------|

**NOTICE**

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

**8. Description of Work Accomplished**

*(If more space is required, attach additional sheets. Identify aircraft nationality and registration mark and date work completed.)*

Aero Commander 112 N112WN s/n 169 05/31/05

ICA 1, 2 Remove original wingtips. Install two new Globe Fiberglass Ltd Inc fiberglass wingtips, part numbers GF235000-01 and GF235000-02, that are identical to the original tips except that the nav light/strobe light units are mounted outside of the clear plastic lens to allow for a Whelen high intensity recognition light unit, part number A77514, to be mounted inside the clear lens. The original nav light/strobe light flasher units are replaced with Whelen units, part numbers A650PG14 and A650PR14. All mounting hardware, wiring connections and methods are as original. Both new tips weigh .7 lb less than the original. Revised aircraft's weight & balance records to reflect this change. All lights were checked for function with no discrepancy noted.

ICA 5 For continuing airworthiness, inspect wiring in wingtips for security and condition when wingtip is removed. Inspect wiring in wing and airframe for security and condition at every annual inspection. Inspect wingtips for security at every annual inspection.

ICA 18 See aircraft maintenance record entry.

The following ICA checklist items do not apply to this installation: ICA 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17.

--- end ---

Additional Sheets Are Attached