US Department of fransportation

of Transportation Federal Aviation Administration

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

Form Approved OMB No. 2120-0020

For FAA Use Only

Office Identification

GL05

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).

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NOTICE

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8. Description of Work Accomplished

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

182P

s/n 18264754

N9435M

Removed ARC RT328T Nav/Com from center radio stack 12" aft of datum.

Removed ARC IN514B Vor/Loc indicator from pilots panel 16" aft of datum.

Installed Garmin GNC-250XL GPS in center radio stack 14.5" aft of datum.

Installed Garmin GA-56 GPS antenna on top fuselage 44" aft of datum.

GNC-250XL wired per Garmin installation manual P/N 190-00067-62 Rev.E.

Used exsisting com antenna for GNC-250XL tranceiver operation.

-GNC-250XL installed as a stand alone system.

GNC-250XL protected by a 10 amp circuit breaker labeled GPS/COM.

Panel placarded " GPS NOT APPROVED FOR IFR"

GNC-250XL Pilot's Guide Garmin P/N 190-00067-60 Rev.A placed in the aircraft.

Ground evaluation performed as required by A.C.20-138 and found satisfactory for VFR use.

Maintenance of the GNC-250XL is "on condition" only. Refer to Garmin GNC-250XL installation manual P/N 190-00067-62 Rev.E. Periodic maintenance of the GNC-250XL is not required.

All work performed I.A.W. A.C.43.13-1B Chapter 11, A.C.43.13-2A Chapters 1 and 2. Advisory Circular A.C.20-138 and referenced STC SA00503WI. Electrical load computed and does not exceed the capability of the aircraft electrical system. Weight and balance computed and entered in the airframe logbook. Equipment list revised.

----END-----

Work Order #: 42325

US Department of fransportation Federal Aviation Administration	(Airfra		IR AND ALTERATIO		\$1.5475	2120-0020 or FAA Use O	nty 7 00
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-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.

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NOTICE

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8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Mounted Foster LRN-500 Loran C receiver in center panel.

Antenna was mounted on lower skin below cabin.

Loran was connected to no external device.

All work was accomplished in accordance with Foster manual and AC 43.13-1A & 2A.

A flight check was conducted of the system and was found to operate satisfactorily.

The following placard was affixed to the left panel in view of the pilot:

LORAN C (LRN-500) LIMITATIONS

Not approved for IFR operation. For operation/limitations see operators manual P/N 002A0631B.

ADDITIONAL SHEETS ARE ATTACHED

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THIS AIRCRAFT MODIFIED TO USE UNLEADED AUTOMOTIVE GASOLINE 1/A/W STC SA2000CE FOR CESSNA MODEL 182 THRU 182P SERIES ISSUED EXX 7-11-84 AND STC SE1997CE FOR CONT. MOTORS 0-470A THRU 0-470S SERIES ENGINES ISSUED 6-26-84. ISSUED TO: PETERSEN AVIATION, INC. RT.I BOX 18, MINDEN, NEBRASKA, 68959.

INSTALLED ENGINE ID.PLATE KIT #AP 0-470 DWG #P-764956.

INSTALLED FUEL PLACARD KIT #AF-180/182 DWG #C718984.

INSERTED AFM SUPPLEMENT AIRCRAFT RECORDS.

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ADDITIONAL SHEETS-ARE ATTACHED



Form Approved Budget Bureau No. 04-R0058

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