

# AIRCRAFT LOG/N016U

1

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



\*Reg # N1016U  
 S/N 25-0727  
 HM N/A  
 TACH 1823.7

DATE 11/17/2011  
 W/O 01M-4191  
 AFTT N/A  
 AFCyc N/A

1. Installed new left tire, Michelin part no. 070-314-0, S/N 8113W00339, with new tube part no. 092-315-0.
  2. Re-pack wheel bearings and inflate tire to 49 psi.
- This aircraft and/or component is certified to be airworthy for return to service with respect to the work performed.
- Edward P Gerard Signature *Edward P Gerard* Page 1 of 1

11/25/12				WELD REPMRED TUBE 305.05.06 IAW A/C 43.13-1B CHAP 4, SECTION 5, 4-86(d) CHANGE 1, DATED 9/22/01, MOUNT P/N 501. CRS *W2XR853X AW REPORT 12-012 (81308)

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
1-12	1863.6		3244.1	C/W ANNUAL INSPECTION. RAISED AIRCRAFT ON JACKS TO PERFORM LANDING GEAR RETRACTION. CLEANED AND REPACKED WHEEL BEARINGS. LUBRICATED ALL LANDING GEAR AND FLIGHT CONTROL MOVING PARTS. C/W FLT FUNCTION TEST IAW FAR 91.207(d) ITEMS 1 THRU 4. REPLACED THE FOLLOWING PARTS: TIMKEN BEARING P/N 13887 AND RACE P/N 13836 @ INBD POSITION OF L/R MAIN LANDING GEAR; CLEVELAND BRAKE LUNG P/N 66-105 @ L/R 9/R/H CALIPER; BRACKET BA-8103-1 AIR FILTER ELEMENT; 500. GE-330 BULB @ GLARESHIELD; 540018-003 NOSE GEAR TOWING INDICATOR; WHELAN POWER SUPPLY P/N 0-1-0770062-03 @ TAIL STROBE; McCAULEY SPINNER P/N D-5212; ALL LANDING SHOCK DISCS WITH MOONEY 530021-000; 2 1/2" I.D SCAT NOSE AS REQUIRED FROM HEAT MUFF TO FIREWALL SHUT OFF VALVE; 914007-005 BUSHING AND NBS 1307-72D BOLT @ NOSE GEAR UPPER LEG. REMOVED AND RESEALED PLUGS AND L/R PASSENGER WINDOW USING CHEMSEAL

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# AIRCRAFT LOG/N016U

2

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19 <u>2-1-12</u>	<u>1863.6</u>		<u>3244.1</u>	<p><b>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)</b></p> <p><u>C\$ 3330-BZ SEALER. C/W MONEY SR M20-JOBB</u>  <u>BY INSPECTION OF FUSELAGE TUBULAR STRUCTURE. C/W</u>  <u>A-D NOTES: 76-07-12 BY FUNCTION TEST OF BENDIX MAG</u>  <u>SWITCH; 85-24-03 PART B BY REPLACEMENT OF FUEL</u>  <u>CAP O-RINGS. RECOMPLIANCE DUE IN NEXT ANNUAL</u>  <u>INSPECTED INTERIOR AND EXTERIOR OF WING, FUSELAGE, AND</u>  <u>EMPELLAGE FOR DAMAGE AND GENERAL CONDITION AND</u>  <u>FOUND TO BE AIRWORTHY.</u></p>
<p>Dugosh Aircraft Serv. Co., Inc.                  P. O. BOX 933 PHONE 257-7230                  KERRVILLE MUNICIPAL AIRPORT                  KERRVILLE, TEXAS 78028</p>				<p>DATE <u>2-1-12</u> TT. IN SERVICE <u>3244.1</u>                  AD'S CHECKED THIS <u>2012-01</u> I CERTIFY THAT                  THIS AIRCRAFT <u>HAS BEEN INSPECTED IN ACCORDANCE</u>                  WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED                  TO BE IN <u>AIRWORTHY</u> CONDITION.                  SIGNED <u>Primo Kanner</u>                  NUMBER <u>2809661A</u></p>

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<p><b>Altitude Correction Chart</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">WO#</td> <td style="width: 10%;">DATE</td> <td style="width: 10%;">MODEL</td> <td style="width: 10%;">S/N</td> <td style="width: 10%;">Altitude Limit</td> <td style="width: 10%;">Add Algebraically</td> </tr> <tr> <td><u>23676</u></td> <td><u>9-Dec-11</u></td> <td><u>5035P-P23</u></td> <td><u>15162</u></td> <td><u>25000</u></td> <td></td> </tr> </table>				WO#	DATE	MODEL	S/N	Altitude Limit	Add Algebraically	<u>23676</u>	<u>9-Dec-11</u>	<u>5035P-P23</u>	<u>15162</u>	<u>25000</u>		<p><b>SCALE CORRECTIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">-1000</td> <td style="width: 10%;">0</td> <td style="width: 10%;">500</td> <td style="width: 10%;">1000</td> <td style="width: 10%;">1500</td> <td style="width: 10%;">2000</td> <td style="width: 10%;">3000</td> <td style="width: 10%;">4000</td> <td style="width: 10%;">6000</td> <td style="width: 10%;">8000</td> <td style="width: 10%;">10000</td> <td style="width: 10%;">12000</td> <td style="width: 10%;">14000</td> <td style="width: 10%;">16000</td> <td style="width: 10%;">18000</td> <td style="width: 10%;">20000</td> <td style="width: 10%;">22000</td> <td style="width: 10%;">25000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	-1000	0	500	1000	1500	2000	3000	4000	6000	8000	10000	12000	14000	16000	18000	20000	22000	25000																			
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CAL'D. WITH ENCODER	MODEL	S/N	A30.4	116033																																																	

DATE = 9-Dec-11 \* N1016U \* W/O = 23767 \* HOBBS = 1835.3 \* LOGBOOK ENTRY

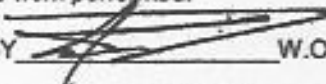
- 1 Updated the GNS-430W obstacle database with cycle 11B7. System op checks correctly on ground.
- 2 Removed and replaced KG-102A with s/n 9125. System ground checks correctly on the ground but requires a flight check.
- 3 Removed and replaced KG-258 with O/H'd KI-256, s/n 11610, serviceable on Mid-Continent Instruments CO., Inc. WRK0188346 dated 11/3/11. A/P system aligned per Bendix/King KAP-150 IM: 006-0249-00 Rev13 dated 3/15/1990. System ops checks correctly on ground but requires flight check.
- 4 Removed and reinstalled altimeter s/n 15162 and encoder s/n 116033 after bench check.
- 5 Altimeter and static system tests required by FAR 91.411 were performed and comply with FAR 43, Appendix E, on N1016U. Altimeter s/n 15162, was tested to 25K feet.
- 6 ATC transponder tests required by FAR 91.413 were performed and comply with FAR 43, Appendix F, on Model KT-76C with TR-220.


Inspected By Mark McAuliffe  
 DEPOT AVIONICS, INC. FAA # GM6R566N

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# ENGINE LOG/N016U

## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
October 10, 2011	Tach: 1808.1	Bode Aviation, Inc. Double Eagle II Airport Albuquerque, NM
N1016U TCM TSIO-520-NB S/N: 276999-R		
<p>Drained the oil, replaced oil filter and serviced engine with 12qts of Aeroshell 15w-50. Washed engine and belly. Operational run up, leak check good. I certify that this aircraft is airworthy and approved for return to service with respect to the work performed.</p>		
Josh Frick CRS:J7BR555Y		 W.O.6275

11-14-2011	1820.3	<p>Changed oil filter, Ser. eng. w/ 12 qts AS 15W50. Washed eng. &amp; run up checked good. To date started this date &amp; time. </p> <p>AM 3305796</p>
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## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2-1-12	1863.6	C/W ANNUAL INSPECTION OF ENGINE. DIFFERENTIAL COMPRESSION AS FOLLOWS:
SMOH	1014.1	#1, 64; #2, 75; #3, 65; #4, 70; #5, 73; #6, 74. CHANGED OIL AND FILTER.
TAKH	1863.6	CUT OPEN USED FILTER TO INSPECT FOR METAL, NONE FOUND. SERVICED WITH 12 QUARTS AEROSHELL 1500 AND CHAMPION CH4B107-1. CLEANED AND RECAPED SPARK PLUGS. REPLACED AIR FILTER ELEMENT W/ BRACKET P/N BA8103-1. REPLACED TURBO CHARGER W/ MAIN TURBO SYSTEMS, INC. OVERHAUL P/N 407810-9001 ON P/N 84026987 USING GASKET P/N 640877 AND TAPPIRE CLAMP P/N 2274-50. C/W A.D. 95-11-06 BY INSPECTION OF EXHAUST TRANSITION. NO DEFECTS NOTED. REINSPECT @ 1863.6
		TACH. INSPECTED ENGINE AND ALL ACCESSORIES FOR CONDITION AND PROPER INSTALLATION AND FOUND TO BE AIRWORTHY.

Dugosh Aircraft Serv. Co., Inc.  
P. O. BOX 931 PHONE 257-7230  
KERRVILLE MUNICIPAL AIRPORT  
KERRVILLE, TEXAS 78028

DATE 2-1-12 T.T. IN SERVICE 1863.6  
AD'S CHECKED THRU 2012-1 I CERTIFY THAT  
THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE  
WITH A INITIAL INSPECTION AND WAS DETERMINED  
TO BE IN AIRWORTHY CONDITION.  
SIGNED: Dianne Kerner  
NUMBER: 28096461A

Arriving 10:50 am SAT Feb 2  
 Dugan Aircraft Service Co., Inc  
 phone (505) 401 4038

AIRCRAFT SERVICE & MAINTENANCE  
 KERRVILLE MUNICIPAL AIRPORT  
 P.O. BOX 931  
 KERRVILLE, TEXAS 78028  
 TELEPHONE: AC 830  
 OFFICE: 896-7550  
 257-7230  
 FAX: 830-257-2886

NAME: Kim Smith  
 ADDRESS: 2155 Louisiana Blvd NE Ste 404  
 PHONE: (505) 220-4790  
 SERIAL NUMBER: 25-0727  
 LICENSE NUMBER: W1016L  
 ORDER NUMBER: 1803.6746

REPAIR ORDER - LABOR INSTRUCTIONS WRITTEN BY  
 PHASE  OIL  
 ANNUAL: Compression: 41) 64/80, 42) 75/80, 43) 65/80,  
 44) 70/80, 45) 73/80, 46) 74/80 -  
 Change oil and oil filter; Replace 44 & 46  
 ribbed rubber bearings and wash; Replace  
 brake pads; Replace bucket air filter element;  
 Replace oil shock fluid "now you & Thru";  
 4085-24-03 fuel B-cly. fuel cap wings;  
 Replaced low limit indicator; Adjust gear  
 bolts and bushings as needed; Replaced  
 spinner down suit near pulley down;  
 Repair to engine mount by welding lower;  
 To number that was damaged - Assemblies Inc.  
 835 W. 10385th

QUAN.	PART NO.	DESCRIPTION	UNIT PRICE	AMOUNT	DATE
1	652456	gasket	15	39	
4	M520034-5	bolt	17	87	71
5	M520502-428	nut	5	80	29
1	CH48109	oil filter	36	00	
1	DS312-10454	Spin-on filter	105	00	
1	01-0710062-03	power supply	559	00	
1	AN42-11A	bolt	6	78	
2	M524513-31	wing	1	67	3
1	M549388-06	wing	78		
1	M524513-016	wing	65		
1	M535969-11	gasket	1	73	
1	600-001-518	seal	7	46	
2	13889	seal	56	83	113
2	13836	seal	38	25	71
4	64-105	brake pads	16	90	67
8	105-00200	nuts	50	400	
1	BA 8103-1	air filter	21	10	
2	M524513-10	drings	65	1	30
2	M524513-338	drings	3	25	6
5	GE 330	bush	1	35	6
8	M51587-4	washers	37	3	12
1	540018-003	indicator	15	13	
1	914007-5	bushing	109	58	
1	M51367-22D	bolt	10	42	
11	911448-14	disc	102	00	112
1	AN9-24A	bolt	27	83	
2	AN6-33A	bolt	4	28	8
27	AN526E10P8	nut	89	24	03
2	AN4-7A	bolt	94	1	48
12	CR3213-4-01	nut	83	9	96
12	CR3043-4-02	nut	1	15	13

REMOVED + replace frozen bolts + bushings in gear.  
 AUTHORIZED BY: PL 2-2-12  
 RECEIVED BY: PL# 1960

TYPE OR MODEL	MOTOR NO.	YEAR	PHASE	REPAIR ORDER	LABOR INSTRUCTIONS	WRITTEN BY
MAK Rocket						

GAL GASOLINE	QTS OIL	LBS GREASE	TOTAL GAS-OIL-GREASE
12	6	53	7896
34.4 gal	Fuel @ 5.98		205.71
	ENGINE OIL		935.00
	STATE TAX		638.75
	TOTAL AMOUNT		16699.34

TOTAL \$16,699.34

LIST # 8125.00

# Dugosh Aircraft Service Co., Inc

AIRCRAFT SERVICE & MAINTENANCE  
 KERRVILLE MUNICIPAL AIRPORT  
 P.O. BOX 991 KERRVILLE, TEXAS 78008

TELEPHONE: AC 890  
 OFFICE: 800-7650  
 257-7200  
 FAX: 830-257-2898

NAME: *Kim Smith*

ADDRESS:

CITY: *Del Rio* PHONE: *8110*  
 STATE: *TX* ZIP: *78840*

YEAR: *1987* TYPE OR MODEL: *M20K* MOTOR NO. *10116*

REG. NO. *25-0727* SERIAL NUMBER *10116* LICENSE NUMBER *1863.6728*

REPAIR ORDER - LABOR INSTRUCTIONS

CHANGE OIL

DATE: *2-1-12*

TERMS:

QUOTATION ORDER NO.:

ORDER BY:

DATE:

TIME:

DATE:

TIME:

DATE:

TIME:

DATE:

TIME:

DATE:

TIME:

DATE:

TIME:

DATE:

TIME:

DATE:

TIME:

*Apr 2*

*17941*

*17944*

*2-1-12*

QUANTITY	PART NO.	DESCRIPTION	BASE AMOUNT
1	M 407810-901	Turbo	3291.00
-	3N BA 0210899		
1	644877	gasket (turbo)	98.55
1	8274-50	Plung	271.10
1	GE 4529	cond. air	32.24
1	ANUC-13R	Bolt	9.06
1	ANUC-14A	Bolt	11.73
1	ANUC15A	Bolt	10.44
1	ANUC-16A	Bolt	20.16
4	M52850-624	nut	13.11 52.44
2	CS3330 62	washer	70.90 41.40
5th	SCAT 10	dust	15.85 99.25
4	AN4L-10A	bolt	4.11 16.44
4	AN303-428	nut	1.00 4.24

Outside labor:

① *Prop-weld, fuel - 95.00*

*On-site, welding, repair of engine mount*

② *Dryer service - 80.00*

I hereby authorize the above repair work to be done along with necessary materials. You and your employees may operate above vehicle for purposes of service, inspection or delivery at my risk. As signed mechanic's that I understand on above vehicle to incur the amount of repair charges. You will not be held responsible for loss or damage to vehicle or articles in or on vehicle in case of fire, theft, accident or any other cause beyond your control.

AUTHORIZED BY: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_

GAL GASOLINE	0
QTS. OIL	0
LESS GREASE	0
TOTAL GAS-OIL-GREASE	

TOTAL LABOR	
TOTAL PARTS	
GAS, OIL, GREASE	
OUTSIDE WORK	
SALES TAX	
TOTAL AMOUNT	

*17941*

Labor Breakdown

N101672

Annual	36 hours
Tailcone repair	6 hours
R&R Turbo	12 hours
Wheel bearings R&R	2 hours
Brake pads R&R	
Shock discs R&R	5 hours
Power supply R&R	4 hours
Instrument and glaresh. Lites	
Landing light R&R	
Install kick panels	3 hours
Reseal pilot and L/H rear windows	3.5 hours
Correct install of vac switch and wire up vac. Light	3 hours
C/W M20-208 Tubular corrosion inspection	2 hours
Clean rust on tube under storm window	1 hour
Remove and replace frozen bushings and bolts in gear	6 hours