WORK ORDER

GERDES AVIATION SERVICES

FAA APPROVED REPAIR STATION G3RR399J

CUSTOMER BEN'S MOTORWORKS WORK ORDER / INV# 13561A
AIRCRAFT N# 161KT ~~TACH~~/HOBBS 1476.1 ACTT —
MAKE CIRRUS MODEL SR20 SN# 1144 (2001)
OWNER NAME JEREMY HILL
ADDRESS 66 RANCHO ROAD
CITY CARMEL VALLEY STATE CA ZIP 93924-9409
PHONE 1 — PHONE 2 —
EMAIL —

WORK REQUESTED

☑ Altimeter / Static / Transponder ☐ Transponder ☑ Mode S Test
☐ Leak / Correlation Test ☐ Repair ☐ Retest ☐ Warranty
☐ Func. Test ☐ Part 135 per attached P.O. _____

#1 #2 PRELIMINARY INSPECTION

☐ ☐ Pitot / Static System Leakage / Blockage / Inoperative
☐ ☐ Encoder / Transponder - Inoperative / Erroneous Altitude
☐ ☐ Altimeter Out Of Calibration / Friction
☐ ☐ Hidden Damage _____
☐ ☐ _____
☑ ☐ Notes GARMIN GTX-345 SWVER: 2.52
☐ ☐ PN# 011-03302-00 SN# 3EG026014
☑ ☐ No Discrepancies Noted

ALTIMETER/STATIC SYSTEMS TESTS (14 CFR 43 APP. E)

(TABLE 1) CALIBRATION (FEET) (REF. 91.411)

READING	ERROR #1	ERROR #2	TOL ±	READING	ERROR #1	ERROR #2	TOL ±	READING	ERROR #1	ERROR #2	TOL ±
-1,000	+10		20	3,000	-5		30	16,000	-25		110
-500			20	4,000	-10		35	18,000	-30		120
0	+10		20	6,000	-10		40	20,000	-35		130
500	+10		20	8,000	-15		60	22,000			140
1,000	+10		20	10,000	-20		80	25,000			155
1,500	0		25	12,000	-20		90	30,000			180
2,000	-5		30	14,000	-25		100	35,000			205

#1 #2 TRANSPONDER TESTS (14 CFR 43 APP. F) (REF. 91.413)

☑ ☐ Reply freq 1090 ± 3.0 MHz
☑ ☐ Suppression P2=P1 (Replies 1% or less)
☑ ☐ P2 9 DB less than P1 (Replies at least 90%)
☑ ☐ Receiver Sensitivity (MTL) -73 ± 4 (DBM)
☑ ☐ Diff. between mode A & mode C not more than 1 (DBM)
☑ ☐ RF peak output - at least (125 W) not more than (500 W)
☑ ☐ Code switches display correct codes as selected
☑ ☐ Ident. & light operation
☑ ☐ Mode S Tests 14 CFR 43 APP. F (e) - (j)

#1 #2 #3

☑ ☐ ☐ Static System Leakage Less Than 100 ft/min @ 1,000 ft AGL
~~☐ ☐ ☐~~ Static Port Heater ☑ N/A

(TABLE 2)

☑ ☐ ☐ Hysteresis 50%
☑ ☐ ☐ Hysteresis 40%
☑ ☐ ☐ After Effect

(TABLE 3)

☑ ☐ ☐ Friction Test
☑ ☐ ☐ Case Leak @ 18,000 ft
☑ ☐ ☐ (TABLE 4) Baro Scale Error
☑ ☐ ☐ Altimeter / Encoder Correlation - Not to exceed 125 ft

TEST RESULTS

Altimeter / Static Tests	Pass	Fail
#1	☑	☐
~~#2~~	~~☐~~	~~☐~~
~~#3~~	~~☐~~	~~☐~~

Certified to 20,000 ft

Transponder Tests	Pass	Fail
#1	☑	☐
~~#2~~	~~☐~~	~~☐~~

Mode S Tests	Pass	Fail
#1	☑	☐
~~#2~~	~~☐~~	~~☐~~

CORRECTIVE ACTION TAKEN ☑ NONE

DESCRIPTION	QTY	RATE	AMOUNT

PARTS USED ☑ NONE

PART NUMBER	DESCRIPTION	QTY	RATE	AMOUNT

☑ This aircraft has been tested/repaired in accordance with current FAA regulations and is approved for return to service. TOTAL _____
☐ N/A Work not completed on this date.
☐ Part 91 ☐ Part 135 Data Source / Rev # / Date _____

Authorized Signature Brian Gerdes Date 02-12-2025 Form WO-2018-R1

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