

ANNUAL/100 HR INSPECTION REPORT

OWNER K Gardner.
 REGISTRATION NO. 109425H
 MECHANICS NAME Keith Strange

MAKE Cessna MODEL 172m
 TACH TIME 4826.2
 CERTIF # 2393681 DATE 5/16/11

DESCRIPTION	
A. PROPELLER GROUP	
1. Remove spinners	✓
2. Feather blades & check for tightness	✓
3. Inspect hub parts for cracks	✓
4. Check propeller mounting bolts for tightness and safeties	✓
5. Check pitch actuating arms and bolts	✓
6. Check spinner mounting brackets	✓
7. Check for grease and oil leaks	✓
8. Inspect blades for nicks and cracks	✓
9. Lubricate per propeller manual	✓
10. Clean and install spinner	✓
B. ENGINE GROUP	
1. Remove engine side cowls & clean engines	✓
2. Drain oil, check & clean screens <u>Filter</u>	✓
3. Check intake seals for leaks & clamp for tightness.	✓
4. Check ignition harnesses	✓
5. Clean & gap/replace spark plugs	✓
6. Check magneto points.	✓
7. Condenser action & coil leaks	✓
8. Check magneto for correct timing	✓
9. Drain carburetor, fuel strainers & check fuel system for leaks	✓
10. Check throttle, carb heat, carb. mixture & <u>prop. governor</u> controls for travel & operating condition.	✓
11. Check engine mounts for cracks & loose mounting	✓
12. Check rubber engine mount bushings	✓
13. Check exhaust stacks, gaskets & augmentor tubes	✓
14. Check engine baffles	✓
15. Check air filter	✓
16. Check vacuum pump, oil separator & lines.	✓
17. Inspect corrosion of flexible fuel lines	✓

DESCRIPTION	
18. Check fuel pumps for operation (engine driven and electric)	✓
19. Clean screens on fuel pumps.	✓
20. Fill engine with oil. <u>8 qts 20-50 Phillips</u>	✓
21. Clean oil cooling fins	✓
22. Check/Replace or overhaul governors	✓
COMPRESSION	
#1 <u>75</u> /80 #2 <u>77</u> /80 #3 <u>74</u> /80	
#4 <u>74</u> /80 #5 <u> </u> /80 #6 <u> </u> /80	
C. CABIN GROUP	
1. Remove instrument access panels	✓
2. Check control Wheels, column, pulleys and cables.	✓
3. Check rudder pedals, brake pedals and cylinders for operations and leaks	✓
4. Check trim operation	✓
5. Check instruments, lines & attachments	✓
6. Check cabin door & windows for damage and operation	✓
7. Check upholstery for tears	✓
8. Check seats, seat belts, securing brackets and bolts	✓
9. Check landing, navigation, cabin and instrument lights	✓
10. Check parking brake	✓
11. Check Operation-all fuel valve controls	✓
D. LANDING GEAR GROUP	
1. Put airplane on jacks	✓
2. Remove wheels, clean & repack bearings	✓
3. Check brake blocks & drum	✓
4. Check wheels for cracks, broken bolts	✓
5. Check tires for wear	✓
6. Check gear legs, attachments, nutcrackers, retraction link & bolts for operation	✓

CORRECTIVE ACTION

INSPECTION DISCREPANCIES

Cowl fasteners poor cond
Air Filter Dirty
AD 87-20-03 R2
AD 76-07-12

Replaced all switches
Replaced P/W BA-6108-1
Seat Tracks.
Baulix Switch

4. Check aileron, rudder, trim cables, elevator push pull rod, turnbuckles, guides & pulleys for safeties, damage and operation
5. Check bulkheads & stringers for damage
6. Check antenna mount & electrical wiring
7. Check hydraulic powerpak and lines for leakage tests & proper fluid level

11. Period gear-check doors for clearance & travel
10. Check nose gear steering control & travel
9. Check gear doors & attachments
8. Check wheels for alignment
7. Check brake & hydraulic lines
D. LANDING GEAR GROUP 9CONT)

DATE	HOURS		DESCRIPTION OF THE WORK PERFORMED	CERTIFICATE TYPE & NUMBER
	10ths			
5/16/11			Tach 4826.2. Installed synthetic cord fastener kit. Installed new air filter element P/N BA6108-1. C/W AD 87-20-03R2 + 76-07-12. Keith Strange A42393681	
			Date: 5/16/11 Tach Time: 4826.2 Emergency Locator Transmitter was tested & inspected in accordance with FAR 91.207(d). Testing & inspection done per AC 43.13-1B, Ch. 12, Paragraph 22. Keith Strange <i>Keith Strange</i> A&P 2393681	
			Date: 5/16/11 Tach Time: 4826.2. Aircraft Time: 4826.2 I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Keith Strange <i>Keith Strange</i> No 2393681 IA Refer to attached inspection report for details	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZE CERTIFI & N
	HOURS	10ths		
7/8/12			Tach 4861.5 Installed new (4) brake pads P/N C6-109. Installed new pilot door lower hinge pin, installed new air filter element P/N BA6108. Installed new wing on dipstick cap. Installed new ELT Battery P/N BP-1010. Keith Strange A42393681	LANDI Check bra Check whe Check gea Check nos Retract ge ration. Check wa Check gea Lubricate Check shi Check ole spect and
			Date: 7/8/12 Tach Time: 4861.5 Emergency Locator Transmitter was tested & inspected in accordance with FAR 91.207(d). Testing & inspection done per AC 43.13-1B, Ch. 12, Paragraph 22. Keith Strange <i>Keith Strange</i> A&P 2393681	WING
			Date: 7/8/12 Tach Time: 4861.5. Aircraft Time: 4861.5 I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Keith Strange <i>Keith Strange</i> No 2393681 IA Refer to attached inspection report for details	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2012 12/3	4877	2	Replaced Battery with Concord RB-25 Keith Strange A42393681	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
8/10/13			Tach 4885.8. Installed new G.0116 fuel main gear. Installed new air filter element BA6108. Replaced loose rivets on air box. Cf 2011-10 09.	

Date: 8/10/13 Tach Time: 4885.8
Emergency Locator Transmitter was tested & inspected in accordance with FAR 91.207(d). Testing & inspection done per AC 43.13-1B, Ch. 12, Paragraph 22.

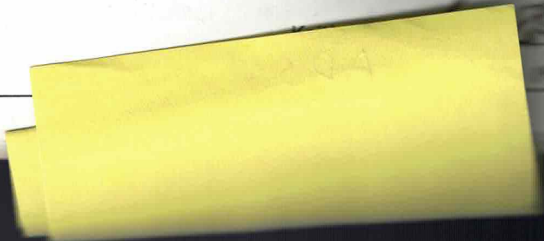
Keith Strange Keith Strange A&P 2393681

Date 8/10/13
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in safe condition.

4. Check rudder & ...
3. Check ...
2. Check ...
1. Check ...

Keith Strange (CONT)

& travel ✓
ance & ✓
eration ✓
✓
✓
✓
✓
✓
✓



LANDING GEAR GROUP 9(CONT)
 Check brake & hydraulic lines
 Check wheels for alignment
 Check gear doors & attachment
 nose gear steering control & travel
 Check gear check doors for clearance & travel
 Check horn & lights for operation
 Check fire pressure
 Check chart

DESCRIPTION	ATTACHMENTS FOR DAMAGE AND OPERATION
1. Check fuel pressure and gu...	✓
2. Check oil pressure and te...	✓
3. Check generator/alternat...	✓
4. Check manifold pressur...	✓
5. Check carburetor he...	✓
6. Check vacuum ga...	✓
7. Check parking bra...	✓
8. Check gyros fo...	✓
9. Check cabin...	✓
10. Check mag...	✓
11. Check m...	✓
12. Check m...	✓
13. Check m...	✓
14. Check m...	✓
15. Check m...	✓
16. Check m...	✓
17. Check m...	✓
F. FUSELAGE AND EMPENNAGE GROUP	
1. Remove fairings, inspection plates, tailcone, fuselage side and bottom access panels and rear baggage panel.	✓
2. Check stabilizer, elevator, fin & rudder surfaces for damage	✓
3. Check elevator hinges, bungee and horn for damage and operation	✓
4. Check rudder & tab hinges, horns and attachments for damage and operation	✓
3. Check ailerons, attachments, cables, pulleys and bellcranks for damage and operation	✓
4. Check flaps and attachments for damage and operation	✓
5. Check fuel tanks for leaks	✓
6. Check switches to indicators registering fuel tank quantity	✓
7. Check wing attachment bolts	✓
8. Lubricate per chart	✓

DESCRIPTION
 5. Check aileron, rudder, trim cables, elevator push pull rod, turnbuckles, guides & pulleys safeties, damage and operation
 6. Check bulkheads & operation
 7. Check antenna mount & stringers
 8. Check hydraulic pressure, leaks & operation
 9. Check hydraulic pressure, leaks & operation



Keith Strange Keith Strange No 2393681 IA
 Refer to attached inspection report for details

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
6/5/16	Tach 4926.0		Installed new (1) cowd mounts P/O SK2003-1XA. Installed new fire AH60X6 on left main. Repaired broken wire on strobe switch. Replaced all spinner attachment screws Replaced cab heat seat hose. Installed new RCT battery 12x 4/18 c/u AD 76-07-12 + 2011-10-09	<u>Keith Strange</u> A&P 2393681
6/5/16	Tach Time 4926.0		Emergency Locator Transmitter was tested & inspected in accordance with FAR 91.207D. Testing & inspection one per Action Notice A8150.3. <u>RET 4/18</u>	Date <u>6/5/16</u> Tach Time <u>4926.0</u> Aircraft Time <u>4926.0</u> I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Keith Strange <u>Keith Strange</u> No 2393681 IA Refer to attached inspection report for details



N9425H AIRFRAME LOG ENTRY

DATE	TOTAL TIME IN SERVICE		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__	HOURS		
		September 8, 2016 Tach 4938.9 Replaced DME antenna with new P/N CI-105. Ops checks good.	
		The Aircraft, Airframe, Engine Component, or Appliance identified above was repaired or overhauled in accordance with current Federal Aviation regulations and was determined to be airworthy for return to service. Pertinent details on the repair are on file at this repair station under work order:	
		No. SO-04191 Authorized Signature  Maine Aero Services, Inc 154 Maine Ave Bangor, Maine 04401 207-990-5555	
		CRS#6MXR656B	

NORTHERN MICHIGAN
JET SERVICES 

DATE: July 1, 2017
TACH: 4992.4
HOBBS: 2555.5


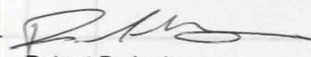
Cessna 172M
S/N 17266153
N9425H

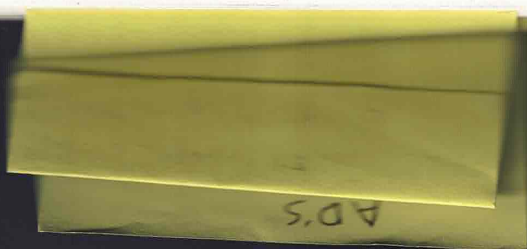
Complied with Annual Inspection IAW with Cessna 172M SM, 100HR/Annual checklist & FAR 43 Appendix D. Replaced induction air filter with new BA-6108 element. Replaced nose gear fork bolt & spacers with new AN5-47A, 0743009-1. Replaced LH wing strobe bulb with new assembly P/N C622006-0108. Performed satisfactory ELT Inspection/functional test IAW FAR 91.207(d). Battery replacement due April 2018. All AD's complied with to this date. I certify this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition.


Robert D. Anderson

AP31677561A

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		SIGNATURE, DATE TYPE & NUMBER
19__	HOURS		
		NORTHERN MICHIGAN JET SERVICES 	
		DATE: January 9, 2018 TACH: 5032.6 HOBBS: 2595.5	Cessna 172M S/N 17266153 N9425H
		Removed damaged Left-Hand Elevator tip and replaced with new PMA'd P/N SA-0532001-94. Complied with 50HR Inspection. All work performed in accordance with Cessna 172M SM & FAR 43 Appendix D. No other defects noted, aircraft is returned to service.	
		 Robert D. Anderson	AP31677561A



DATE	TOTAL TIME IN SERVICE	
	HOURS	10th

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

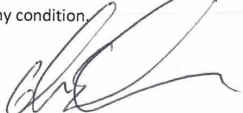
Date: 1AUG2018	Registration: N9425H	AC S/N: 17266153	TAC: 5045.5	Hobbs: 2641.5	AC CYC: N/A
Position:	Engine S/N:	TSN:	CSN:		

REPLACE ELT BATTERY BY:
AUG 2020

Performed annual inspection this date referencing Cessna 172M SM, 100/Annual checklist and FAR 43 Appendix D.

1. All AD's current threw 7/24/2018
2. Complied with AD 2011-10-09 by inspection next due at 5145.5 HOBBS.
3. Removed and replaced induction air filter with new P/N BA-6801
4. Stacked nose wheel bearing race to stop race from slipping
5. Replaced brake pads with new P/N B30026 and rivets P/N A30087
6. Replaced right main tire and tube with new condor P/N 072-314-0 and tube P/N 302246401
7. Replaced ELT battery with new P/N BS2166 EXP date: 08/20
8. Complied with ELT Inspection/functional test in reference to FAR 91.207
9. Replaced fuel cross over lines in left and right wing with new
10. Replaced Left Aft passenger seat fresh air scat tube with new
11. Removed TAC P/N: 98480-26 S/N 1261 and installed new TAC P/N: D1-112-5023 S/N: 37592
12. Replaced # 3 Exhaust down pipe with new P/N 1754007-1
13. Installed all new exhaust gaskets P/N 77611

I certify that this aircraft has been inspected in accordance with a 100/annual inspection and was found to be in airworthy condition.



Glen M Schlak

AP3192595IA

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	
	HOURS	10th

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

I certify that the ~~altimeter and static system tests required by 14 CFR § 91.411 and~~ transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.

N9425H

Altimeter Model Serial No.
 Altimeter Model Serial No.
 Transponder Model KT76A Serial No. 123162
 Transponder Model Serial No.

The altimeter was tested to feet on
 The transponder was tested on 9/10/2018
 Encoder data correspondence was tested to 2012 feet on 9/10/2018
 Static system leak tested on

SIGNED mja W.O.# 5531 DATE 9/10/2018

Evans Avionics, L.L.C., Cherry Capital Airport
Traverse City, MI 49686, F.A.A. certified repair station no. E92R057X



ADS

MAINTENANCE RECORD

DATE	29 JULY 2019	N9425H	TACH TIME	5111.8	Applied 1/2 gallon ACF-50 Anti Corrosion Compound IAW SIB SD4-02-2015 by fine spray to wings only. No change in weight and balance. Approved for return to service.	SIGNATURE, TITLE TYPE IBER
19					Thomas Palmer A&P 2221778 IA	
					END	

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	NORTHERN MICHIGAN JET SERVICES						REMARKS	
		1193 US 31 North Pellston, MI 49769 231-539-3041							
		Date:	Registration:	AC S/N:	ACTT:	Hobbs:	AC LANDINGS:		
		22AUG2019	N9425H	17266153	5121.2	2711.6			
NO.	NOMENCLATURE	DESCRIPTION							
1.	AIRFRAME INSPECTION	Performed annual inspection on airframe IAW NMIS form MX-015 and FAR 43 Appendix, D. Aircraft found to be in airworthy condition. All AD's complied with through 22AUG2019.							
2.	AD 2011-10-09	Complied with AD 2011-10-09 by means of visual inspection of seat roller housing and seat rail IAW compliance instructions, no defects noted.							
3.	RH WING	Replaced screw P/N MS35214-27, nut plate P/N A1779-10210 on RH wing AFT IAW Cessna 172M AMM.							
4.	WING PANELS	Replaced missing fastener with 7 screws P/N AN526CB32R9 on wing panels IAW Cessna 172M AMM.							
5.	NOSE TIRE AND TUBE	Removed P/N 072-312-0, S/N 0174W00076 and replaced P/N 072-12-0, S/N 7167500125 nose tire; removed and replaced P/N 092-308-0 tube IAW Cessna 172M AMM.							
7.	STARTER	Removed P/N M2-4222, S/N 6P000285 and replaced P/N 149NL, S/N H-5122383 Sky-Tec starter IAW Cessna 172M AMM, Lycoming O-320-E20 M, operational check good.							
8.	RH LANDING LIGHT	Removed and replaced P/N 4509 RH hand landing light IAW Cessna 172M AMM, operational check good.							
9.	BACK SEAT	Re-adhered button to back seat IAW Cessna 172M AMM.							
10.	AIR FILTER	Removed and replaced P/N BA-6108 air filter IAW Cessna 172M AMM.							
		 Glen M. Schalk		AP319259IA		 Initials		22AUG2019 Date	



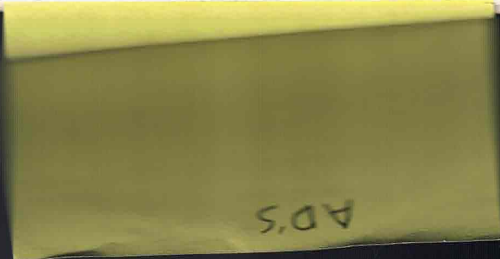
SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	D/C COMPI	REMARKS
		<p>Dec. 18th, 2019 N9425H</p> <p>Removed existing King KT 76a transponder, blind encoder, and all associated wiring. Installed a Garmin GTX 335 Mode S, ADS B Out transponder, GA 35 GPS antenna, and GAE 12 Serial encoder. Interfaced to existing transponder antenna, C.B., Ground. The GA 35 GPS antenna was mounted on the top, aft turtle deck of the fuselage, using a vacated antenna hole and doubler. Installation performed with respect to Mfg's Dwg's and prints, Garmin STC # SA01714WI, AC 43.13-1B, Ch. 11, Sect. 3 thru 12, Pg's 11-11 thru 11-62, and AC 43.13-2B, Ch.'s 2 and 3, Pg's 9-31., and FAA Notice N8900.362. The installed ADS B out system was shown to meet the equipment performance requirements of 14 CFR Pt. 91 and 91.227. Weight and balance change negligible. FAR 91.411 / 413 complied with. Aircraft Flight Manual Supplement, ICA, STC with AML, and Pilot's Guide placed with acft. Doc's. See FAA 337 this date for further details.</p> <p style="text-align: center;">MAINTENANCE RELEASE</p> <p>The airframe, powerplant or appliance identified above was repaired and inspected in accordance with current regulations of the F.A.A. and is approved for return to service. Pertinent details of the repair are on file at this repair station under order no. <u>58710</u>. Date <u>12/18/2019</u> Signed <u>M R Evans</u> for Evans Avionics, L.L.C., Cherry Capital Airport, Traverse City, MI 49686, F.A.A. certified repair station no. E92R057X.</p>

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SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	CO	REMARKS
		<p style="text-align: right;">N9425H</p> <p>I certify that the altimeter and static system tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.</p> <p>Altimeter Model _____ Serial No. _____ Altimeter Model _____ Serial No. _____ Transponder Model <u>GTX 335</u> Serial No. <u>3EE 425 769</u> Transponder Model _____ Serial No. _____</p> <p>The altimeter was tested to _____ feet on _____ The transponder was tested on <u>12/18/2019</u> Encoder data correspondence was tested to <u>7014</u> feet on <u>12/18/2019</u>. Static system leak tested on <u>12/18/2019</u>.</p> <p>SIGNED <u>M R Evans</u> W.O.# <u>5871</u> DATE <u>12/18/2019</u></p> <p style="text-align: center;">Evans Avionics, L.L.C., Cherry Capital Airport Traverse City, MI 49686, F.A.A. certified repair station no. E92R057X</p>



AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

N 9425H

REMARKS

AIRCRAFT, ENGINE, PROPELLER, ROTOR, OR APPLIANCE Make CESNA Model 172M Ser. No. 66153

AD NO. & REV. DATE	SUBJECT	DATE AND HOURS AT COMPLIANCE	METHOD OF COMPLIANCE	ONE-TIME	RECURRING	NEXT COMP DUE DATE/ HRS, CYCLES	AUTHORIZED SIGNATURE AND NUMBER
82-0702	ENGINE BREATHER	P/C/W 8-10-90	IAW - AD	✓		-	-
86-24-07	ENGINE CONTROLS	P/C/W 8-10-90	IAW - AD	✓		-	-
79-10-14R1	VENTED FUEL EXPS	P/C/W 8-10-90	NEW FUEL CAP	✓		-	-
76-07-12	BANDIX SWITCH	3242.1 8-10-90	OPERATION	✓		100 HRS	<i>Ray E. Subich</i>
83-17-016	AILERON WEIGHTS	3242.1 8-10-90	IAW - AD	✓		100 HRS	<i>Ray E. Subich</i>
87-20-0381	SEAT LOCKING	3242.1 8-10-90	C/W BY ASP	✓		100 HRS	<i>Ray E. Subich</i>
72-03-03R3	FLAP JACK SEREN	3242.1	PAR C IAW 73-70-16	✓		ANNUAL	<i>Ray E. Subich</i>

↑ Seat Rail (each) AD

NM Form 8100-2 (4-84)

NORTHERN MICHIGAN JET SERVICES

1193 US 31 North
Pellston, MI 49769
231-539-3041

Date:	Registration:	AC S/N:	ACTF:	Hobbs:	AC LANDINGS:
	N9425H	17266153	5121.2	2711.6	

NO.	NOMENCLATURE	DESCRIPTION
1.	AIRFRAME INSPECTION	Performed annual inspection on airframe IAW Cessna 172M service manual and FAR 43 Appendix, D. Aircraft found to be in airworthy condition. All AD's complied with through 22AUG2019.
2.	AD 2011-10-09	Complied with AD 2011-10-09 by means of visual inspection of seat roller housing and seat rail IAW compliance instructions, no defects noted.
3.	REAR INTERCOM JACK	Set properly squelch on rear intercom jack audio IAW Cessna 172M AMM, operational check satisfactory.
4.	RH WING	Replaced screw P/N MS35214-27, nut plate P/N A1779-10210 on RH wing AFT IAW Cessna 172M AMM.
5.	WING PANELS	Replaced missing fastener with 7 screws P/N AN526C832R9 on wing panels IAW Cessna 172M AMM.
6.	NOSE TIRE AND TUBE	Removed P/N 072-312-0, S/N 0174W00076 and replaced P/N 072-12-0, S/N 7167500125 nose tire; removed and replaced P/N 092-308-0 tube IAW Cessna 172M AMM.
7.	STARTER	Removed P/N MZ-4222, S/N 6P000285 and replaced P/N 149NL, S/N H-5122383 Sky-Tec starter IAW Cessna 172M AMM, Lycoming O-320-E20 M, operational check good.
8.	RH LANDING LIGHT	Removed and replaced P/N 4509 RH hand landing light IAW Cessna 172M AMM, operational check good.
9.	BACK SEAT	Re-adhered button to back seat IAW Cessna 172M AMM.

Glen M. Schalk

AP319259IA

Initials

Date

23 AUG 2019

A.D. NUMBER AND AMENDMENT NO.

I
CO

D
TYPE

REMARKS