

**WPR14LA271**  
**Airplane Modifications**

<b>OBSERVED ITEM/COMPONENT</b>	<b>STC/REMARKS</b>	<b>FAA 337; Date</b>
Multiple panel mods (~7)	unknown/not listed	Yes; October 2002
Garmin GMX200 MFD	SA5202SW-D	Yes; November 2007
Cleveland heavy duty wheels & brakes	no STC noted	Yes; January 2008
Hi intensity lights	SA01834SH	Yes; January 2008
3- blade propeller	SA00727WI	Yes; January 2008
IO-550 engine	SA00152WI	Yes; January 2008
Canards (Nose Control Surface)	SA485SW	Yes; January 2008
Wingtip extensions (approx 2 feet per side)	SA00276NY	Yes; January 2008
Oversized MLG tires/wheels	SA01015SE	Yes; January 2008
Oversized NLG fork & tire	SA02069AK	Yes; January 2008
GAMIjectors	SA09217SC	Yes; April 2008
BAS Shoulder Harness	SA2076NM	Yes; April 2008
Maple Leaf Exhaust Fairing	SA10386NY	Yes; April 2008
Extended baggage compartment	SA01364SE	Yes; April 2008
Concorde Battery	SA00753WI	Yes; April 2008
Rosen Sunvisors	SA00871SE	Yes; May 2008
JPI EDM 930	SA01435SE	Yes; April 2008
S-Tec System 30 Autopilot	SA09262AC-D	Yes; April 2009
Aspen EFD1000 PFD	SA10822SC	Yes; April 2009
Flap, Aileron, & Cowling REPAIRS	IAW SA00709SE	Yes; April 2009
3 position fuel selector valve (LEFT, BOTH, RIGHT)	unknown/not listed	Records not Located
Header tank		
Non-Cessna throttle and propeller cockpit controls		
Gross Weight Increase	SA03608AT	

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**PERFORMANCE-RELATED STCs & MODIFICATIONS**

<b>STC # (HOLDER)</b>	<b>ITEM</b>	<b>ISSUING FAA OFFICE</b>	<b>INSTALLATION</b>	<b>POH SUPP? Iss/Have</b>	<b>PERF DELTAS</b>	<b>REMARKS</b>
SA00276NY (Air Research Technology aka Wing-X)	Wing Tip Extensions	NY	Michael Weber (Dodge City KS)	Yes/Yes	Vne No other perf changes	337 Filed
SA485SW (WREN?)	Canards	SW	Michael Weber (Dodge City KS)	No/No	None	337 Filed
SA00152WI (AirPlains)	IO-550 engine	WI	Michael Weber (Dodge City KS)	Yes/Yes	Stall speeds, Va, Vx, Vy No T/O data info; See SA00727WI Increase Ldg dist by 5% Add 1 kt to appch speeds	337 Filed
SA00727WI (CS Industries)	3-Blade prop	WI	Michael Weber (Dodge City KS)	Yes/Yes	see SA00152WI T/O & climb perf "improved"- no values presented Ldg dist "unchanged"	337 Filed
SA03608AT (Trolltune)	MTOGW Increase	AT	Not determined	Yes/Yes	Stall speeds, other speeds, CG envelope. New T/O dist chart; ~ 12% increases	
SA02069AK Airglas	Nose fork/wheel/tire	AK	Michael Weber (Dodge City KS)		Decrease max range by 5%	337 Filed
N/A	Cleveland Heavy Duty wheels & brakes		Michael Weber (Dodge City KS)			337 Filed as A/F alteration Not indicated as an STC Cleveland heavy duty W/B
SA01015SE Alaska Tire & Rubber	Oversized MLG tires	SE	Michael Weber (Dodge City KS)			

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SA09262AC-D	S-Tec 30Autopilot		Western Avx (Spokane, WA) 4/2009			337 Filed. POH Supplement Required
SA10822SC	Aspen EFD1000 PFD		Western Avx (Spokane, WA) 4/2009			337 Filed. POH Supplement TBD
SA01384SE	Selkirk Av extended baggage compt		Jeffrey Peterson (El Dorado, KS) 4/.2008			337 Filed. POH Supplement TBD
SE09217SC	GAMI injectors		Jeffrey Peterson (El Dorado, KS) 4/.2008			337 Filed. POH Supplement TBD
SA2067NM	BAS Shoulder harnesses		Jeffrey Peterson (El Dorado, KS) 4/.2008			337 Filed. POH Supplement TBD
SA00753WI	Wilco Concorde battery		Jeffrey Peterson (El Dorado, KS) 4/.2008			337 Filed. POH Supplement TBD
SA01386NY	Maple Leaf Aviation exhaust fairing		Jeffrey Peterson (El Dorado, KS) 4/.2008			337 Filed. POH Supplement TBD

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**PERFORMANCE-RELATED STCs & MODIFICATIONS**

STC # HOLDER SUBJECT	POH Δ	WT	CG	Va	Vfe	Vs (aft/fwd)	Glide (Flaps up/dn)	Vx	Vy	Vne	MISC / REMARKS
<b>BASELINE (STOCK CESSNA)</b>	N/A	2950	33@2250 39.5@2950 48.5	109	140/95	41/48	70/65	57	78	179	
<b>ACTUAL / AS FOUND</b>	N/A	<b>3100</b>	<b>33</b> <b>46.5</b>	<b>111</b>	140/95	ASI white arc stock Cessna	<b>70</b> <b>(no flap info)</b>	57	78	Placard: <b>157</b> ASI: 179	
SA00276NY (Wing-X) Wing Tip Extensions	Yes	2950	<b>See Remarks</b>			"approx- imately the same"		SA0 015 2WI and SA0 0		<b>180 mph / 157 kias</b>	a) In Aircraft: valid only thru 'M' model b) For A/C wt >3000 lb, must have Cessna stiffeners at Wing Sta 100.5 or other strap. Ref SB-1-96
SA485SW Canards	No	STC Holder indicated that there is no POH supplement, and that there are no performance changes									
SA00152WI IO-550	Yes		33@2250 39.5@2950 <b>46.5</b>	<b>112</b>	140/95	<b>48/48</b>	70/65	<b>59</b>	<b>83</b>	179	Includes 3 blade propeller
SA00727WI 3-Blade prop	Yes	Primarily integrated in IO-550/SA00152WI values above. POH supplement indicates T/O & <b>climb performance</b> <b>"improved;"</b> Landing performance "unchanged;" Cruise performance "NOT evaluated"									
SA02069AK NLG fork / wheel / tire	Yes	Cruise speeds <b>"reduced by up to 8 mph."</b> <b>Reduce maximum range by 5%.</b>									
Oversized MLG tires/whls	No	Accomplished by FAA 337; no STC located; No performance changes									
SA03608AT Trolltune" MTOGW Increase	Yes	Rmp: <b>3110</b> T/O: <b>3100</b> Ldg: 2950	33@2250 <b>40.9</b> @2950 48.5	<b>111</b>	None noted	<b>44/49</b>	<b>75/70</b>	<b>59</b>	<b>81</b>	None noted	

Speeds KIAS, sea level, std day at 2950 lbs unless noted

**Yellow Highlighting** denotes change from STOCK CESSNA BASELINE