

Weight and Balance Amendment

Date Amended: July 15, 2019

Registration Number: **N912VM**

Aircraft Model: **Cessna T182T**

Aircraft S/N: **T18208293**

Original Weight and C.G.

Empty Weight 2102.6 pounds
Arm 37.62 inches
Moment 79,092 inch-pounds
Max Ramp Weight 3,110.0 pounds
Max T/O Weight 3,100.0 "

Permanent changes to Weight and Balance shown here. Temporary changes will be noted in separate letter which may be removed upon return to the configuration shown here.

Date	IN	OUT	Description	Weight	Arm	Moment	Weight	Arm	Moment
9/14/2004			As Delivered	2102.60	37.62	79091.40			
3/21/2009		X	Lamar Starter				12.00		
3/21/2009	X		Sky-Tec Starter	10.10					
1/11/2017		X	GTX-33 Transponder				3.60	134.00	482.40
1/11/2017	X		GTX-345R Transponder	3.01	134.00	403.34			
1/11/2017	X		GA-35 WAAS Antenna	0.36	130.60	47.02			
4/15/2017		X	OEM Wingtips, Strobes/Pos. lights				8.00	46.50	372.00
4/15/2017	X		Knots-2U Wingtips, Whelen Position lights/Strobes & wiring	11.00	46.50	511.50			
4/15/2017	X		PreciseFlight Pulse-Lite System & wiring	0.65	17.00	11.05			
12/01/2018			Pointer 3000 ELT & Switch				1.9	150.8	286.52
12/01/2018	X		ACR Artex 345 ELT & Switch	2.0	150.8	301.60			
05/01/2019		X	OEM Oxygen Cylinder				7.6	143.5	1090.60
07/15/2019	X		Worthington Oxygen Cylinder	6	143.5	861.0			

New Weight and C.G.

Empty Weight 2,102.6 pounds
Arm 37.6 inches
Moment 79,058.39 inch-pounds
Useful Load 997.4 pounds

J. Hart Van Meter
2162239 A&P

J. Hart Van Meter

July 15, 2019

W EIGHT & BALANCE AND INSTALLED EQUIPMENT DATA

CESSNA AIRCRAFT COMPANY

SINGLE ENGINE DIVISION



MODEL	SERIAL & REGISTRATION		WEIGHT	ARM	MOMENT
T182T	T18208293	N6173K	(lbs)	(in)	(lb-in)
(calculated)	STANDARD EMPTY WEIGHT		2,031.8	36.584	74,331
INSTALLED EQUIPMENT			Net Change from Standard Aircraft		
AFT AVIONICS COOLING FAN			1.1	125.500	138
AIRSPEED INDICATOR			0.0	0.000	0
ALTIMETER WITH 20 FT MARKING, DUAL WINDOW, 35000 FT			0.0	0.000	0
ATTITUDE INDICATOR			0.0	0.000	0
AVIONICS COOLING FAN			0.5	12.600	6
BLIND TURN COORDINATOR			1.0	15.500	16
EMERGENCY LOCATOR TRANSMITTER INSTL			0.0	0.000	0
ENGINE, LYCOMING TIO-540 AK1A			0.0	0.000	0
EQUIPMENT REMOVED FOR NAV III			-34.4	12.600	-433
G1000 FORWARD EQUIPMENT RACK			2.2	14.000	31
GDC-74 AIR DATA COMPUTER (ADC)			1.7	11.400	19
GDU-1040 MFD DISPLAY			6.4	15.000	96
GDU-1040 PFD DISPLAY			6.4	15.000	96
GEA-71 ENGINE ANALYZER			2.2	11.400	25
GIA-63 #1 COM/NAV/GPS COMPUTER			5.2	134.000	697
GIA-63 #2 COM/NAV/GPS COMPUTER			5.2	134.000	697
GMA 1347 AUDIO PANEL			1.5	14.200	21
GMU-44 MAGNETOMETER			0.3	44.000	13
GRS-77 ATTITUDE HEADING REFERENCE SYSTEM (AHRS)			2.5	134.000	335
GTX-33 TRANSPONDER			3.1	134.000	415
INTERIOR INSTL			0.0	0.000	0
KA-92 GPS ANTENNA			0.3	39.000	12
KAP 140 DUAL AXIS AUTOPILOT			0.0	0.000	0
MFD FAN			0.1	15.200	2
NAV III ANTENNA WIRING			3.5	44.000	154
NAV III AVIONICS WIRING			25.7	55.000	1,414
OXYGEN BOTTLE INSTALLATION T1828139 AND ON			0.0	0.000	0
PFD FAN			0.1	13.800	1

This list contains all installed optional equipment and avionics. All weights and arms are the installed difference from a standard equipped aircraft. For a detailed list of aircraft equipment weight and balance data, please refer to the comprehensive equipment list in the pilots operating handbook.

BASIC EMPTY WEIGHT	2,102.6	37.616	79,092
USEFUL LOAD	1,007.4		
MAXIMUM RAMP WEIGHT	3,110.0		
MAXIMUM TAKE-OFF WEIGHT	3,100.0		

Revised 26 Feb. 2001

Numerical values shown may be rounded from actual values. Therefore, the product of weight times arm may not equal the listed moment.

W EIGHT & BALANCE AND INSTALLED EQUIPMENT DATA

CESSNA AIRCRAFT COMPANY

SINGLE ENGINE DIVISION



MODEL	SERIAL & REGISTRATION		WEIGHT	ARM	MOMENT
T182T	T18208293	N6173K	(lbs)	(in)	(lb-in)
(calculated)	STANDARD EMPTY WEIGHT		2,031.8	36.584	74,331
INSTALLED EQUIPMENT			Net Change from Standard Aircraft		
PROPELLER, MCCAULEY, 3-BLADE, B3D36C442/80VSB-1			0.0	0.000	0
SINGLE VACUMN PUMP			3.1	-2.200	-7
STANDBY BATTERY INSTALLATION			14.0	10.800	151
VINYL/LEATHER SEATS			2.0	61.761	124
WHEEL FAIRING INSTL			16.4	44.500	730
WIRING SUPPORT MODULE			0.7	12.000	8

The weight and balance data shown in this report are computed on the basis of Federal Aviation Administration approved procedures for establishing fleet weight averages. [Far 21.327(f)(2)]

Weighed: 7/21/2004

Printed: 8/31/2004

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Revised 26 Feb. 2001

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N912VM Equipment Serial Numbers

Description	Model No.	Serial No.
Airframe	T182T	T18208293
Engine	TIO540-AK1A	L-11630-61A
Propeller – Hub	B3D36C442/80VSB-1	041074
“ – Blade	-	YE26270
“ – Blade	-	YE26326
“ – Blade	-	YE26329
Magneto – Left	Slick 6361	04040800
Magneto – Right	Slick 6361	04040803
Fuel Pump	RG17980U/M	C5762
Vacuum Pump	AA3215CC-RE	1553819
Turbocharger	46622924 E	HGL00311
Waste Gate	470954-0001	HDN01105
Slope Controller	Kelly 481058-0008	HDN00902
Flow Divider	2576564-1	0630312
Alternator	ASG12000-3	A-175225
Garmin	GDC74A	47802094
Garmin	GDL88	47754267
Garmin	GEA	46701827
Garmin NAV/COMM/GPS	GIA63-1	46902572
Garmin NAV/COMM/GPS	GIA63-2	46902579
Garmin	GMA	47100541
Garmin	GMU	47500511
Garmin	GRS77	47405177
Garmin Display	GDU-1 (PFD)	86502899
Garmin Display	GDU-2 (MFD)	86503363
Garmin Transponder	GTX345R	3EH400582
Garmin Antenna	013-00235-00	130822
Stormscope	805-11500-00	85551
Autopilot	KAP140	7831
“ Pitch Servo	KS 8278C	7297
“ Roll Servo	KS 8271C	4826
“ Trim Servo	KS 8272C	6871
“ Configuration Module	KCM8100	12568
Turn Coordinator	1394T100-8RA	2302-52
Standby Horizon	1U149-015-15	T85843OAM
Standby Altimeter	5934PAD-3D	434800
Standby Airspeed Ind.		
Main Battery	G-243	G02801664
Standby Battery	S4263-7	12J206
Ignition Switch	ACS 510-9 (mfg. 2003)	-
ELT	Pointer 3000-11	33159
Precise Flight Pulselite	2405-2A	J 09669

COMMERCIAL AVIONICS SYSTEMS
PIR ATTACHMENT REPORT
(FINAL)

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Work Order Number T1828293 Aircraft Serial# T1828293
Aircraft Type 182 Cessna 182
Package Option SEP182N3-11 04 nav 3 182 #11

DELIVERY SET S Servos

Unit Number	Part Number	Description	Qty	Serial Number
KC 0140	065-00176-7904	FLT CMPTR-2 AX W/ALTPRE/MSG RS	1	7831
KCM0100	071-00073-5000	CONFIGURATION MODULE	1	12560
KM 0275	065-00030-0000	SERVO MOUNT	1	59456
KM 0275	065-00030-0000	SERVO MOUNT	1	59567
KM 0275	065-00030-0000	SERVO MOUNT	1	59541
KS 0270C	065-00170-2200	PITCH SERVO, DUAL SG-2.40 RPM	1	7297
KS 0271C	065-00179-0100	PRIMARY SERVO-3.6 RPM	1	9453
KS 0272C	065-00100-2700	TRIM SERVO - 3.6 RPM	1	6071



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FAA Certified Repair Station # VNFR171L

N912VM Cessna T182T Equipment List Revision

MFG	Equipment	Part Number	Serial Number
Garmin	GTX-345R ADS-B Transponder	011-03303-40	3EH400582
Garmin	GA-35 GPS/WAAS Antenna	013-00235-00	130822