

Cessna 9031U

ONE SHEET C182Q Checklist

February 23, 2011

NORMAL TAKEOFF

- 1 Xponder ON ALT (Altitude encoder)
- 2 Wing Flaps - As required
- 3 Mixture (*Rich @ SL or Lean For "Max" Power*)
- 4 Carb Heat (Verify Cold)
- 5 POWER - Throttle 2400 RPM
- 6 Elevator - Lift Nose at 50 KIAS

max alt gain per unit distance (short field)

V_x (@SL) = 54 KIAS, (@10,000 ft) = 62 KIAS

max alt gain per unit time

V_y (@SL) = 78 KIAS, (@10,000 ft) = 72 KIAS

NORMAL CLIMB

- 1 Airspeed - 85 to 95 KIAS
- 2 Power - 23" Hg and 2400 RPM
- 3 Fuel Selector - BOTH
- 4 Mixture - Lean as required
- 5 Cowl Flaps - As required

NORMAL CRUISE

- 1 Power - 15 to 23" Hg, 2100 to 2400 RPM
- 2 Elevator and Rudder Trim - Adjust
- 3 Mixture - Lean as required
- 4 Cowl Flaps - CLOSED

BEFORE LANDING (GUMP)

- 1 Altimeter - SET
- 2 Fuel "both" / Mixture "rich" / Carb Heat "on"
- 3 Power - As Required
- 4 Prop - High RPM for Landing

AFTER LANDING

- 1 Cowl Flaps - OPEN
- 2 Wing Flaps - UP
- 3 Xponder - STANDBY
- 4 Radios - SET

SHUTDOWN & SECURING

"mixture, master, mags"

- 1 Radio, Xponder - OFF (Avionics Master -OFF)
- 2 Strobes and Lights - OFF
- 3 Mixture to Idle/Cutoff
- 4 MASTER OFF
- 5 Magnetos - OFF
- 6 Keys Out and On Panel
- 7 Fuel Valve TO OFF position
- 8 **CLOSE FLIGHT PLAN** (*if applicable*)

IMPORTANT AIRSPEEDS

"in case of an emergency"

- 179 KIAS - V_{ne} (Redline)
- 143 KIAS - V_{no} (Max Structural Cruising)
- 140 KIAS - V_{fe} (MAX Flap Extension to 10°)
- 111 KIAS - V_a (Maneuvering @ 2950 lbs)
- 70 KIAS - V_g (Best "Glide" Rate)
- 58 KIAS - V_s (Stall speed "clean")
- 45 KIAS - V_{s0} (Stall speed, Flaps 40° & Fwd C.G.)

BEFORE STARTING ENGINE

- 1 Preflight Inspection - Complete
- 2 Cell Phone - OFF
- 3 Seats, Seat Belts and Shoulder Harnesses
- 4 Fuel Selector Valve - BOTH
- 5 Electrical Equipment - OFF (avionics master)
- 6 Circuit Breakers - CHECK ALL IN
- 7 Cowl Flaps - OPEN
- 8 Check Controls for Freedom

STARTING ENGINE

- 1 Carb Heat - COLD (In)
- 2 Throttle - 1/2 inch
- 3 Mixture - RICH (In)
- 4 Prop - High RPM (In)
- 5 Ignition/Mags - ON/OFF *"till after eng start"*
- 6 Prime If Required (3 shots cold)
- 7 CLEAR PROP
- 8 BRAKES ON then ENGINE "START"
- 9 CHECK OIL PRESSURE - (900-1000 RPM)
- 10 Lean Mixture
- 11 Wing Flaps - UP

BEFORE TAXI

- 1 Intercom - Verify its working
- 2 Strobes - ON
- 3 Avionics master - ON (Garmin 430 - ON)
- 4 Xponder - STANDBY (1200)
- 5 Set Altimeter Per ATIS Information
- 6 Request TAXI From Ground Control

WHILE TAXIING "DURING TURNS"

VERIFY - Turn Coordinator, Heading Indicator and Magnetic Compass

IN RUNUP AREA

- 1 Brakes - ON
- 2 Doors and Windows - CLOSED
- 3 Elevator and Rudder Trim - SET for takeoff
- 4 **ENGINE RUNUP**
 - a) Throttle - 1700 RPM
 - b) Magneto Check - (75/50)
 - c) Prop - CYCLE from HIGH to LOW
 - d) Carb Heat (look for slight drop)
 - e) Oil Press 30-40 / 10 Idle
 - f) Ammeter - Charging
 - g) Suction Gage - Check
 - h) Idle Engine (900-1000 RPM)
- 5 Verify Avionics and EFIS "master" - BOTH ON
- 6 Autopilot - OFF
- 7 Flashing Beacon, Nav Lights - AS REQUIRED
- 8 Radios - SET

San Diego Area

ONE SHEET Freq. guide

February 23, 2011

Brown Field (KSDM)	Elev: 526	Longest Runway: 7999 (26R)
	Clr Del:	124.40
<i>ATIS tel. (619) 661-0152</i>	ATIS:	132.35
	Ground:	124.40
<i>pattern (1100' S, 1500' N)</i>	Tower:	126.5/128.25

Montgomery Field (KMYF)	Elev: 427	Longest Runway: 4577 (28R)
	Clr Del:	127.45
<i>ATIS tel. (858) 277-3075</i>	ATIS:	126.90
	Ground:	118.22
<i>pattern (1400' S, 1200' N)</i>	Tower:	119.2/125.7

Gillespie Field (KSEE)	Elev: 387	Longest Runway: 5341 (27R)
	Clr Del:	125.10
	ATIS:	125.45
	Ground:	121.70
<i>pattern (1200' S, 1400' N)</i>	Tower:	120.7/123.8

Mc Clellan-Palomar (KCRQ)	Elev: 331	Longest Runway: 4897 (24)
	Clr Del:	134.85
<i>ATIS tel. (760) 438-2117</i>	ATIS:	120.15
	Ground:	121.80
<i>pattern 1500'</i>	Tower:	118.60

San Diego (KSAN)	Elev: 17	Longest Runway: 9401 (27)
	Clr Del:	125.9
<i>ATIS tel. (619) 298-0997</i>	ATIS:	134.8
	Ground:	123.9
<i>pattern 1200'</i>	Tower:	118.3

Ramona (KRNM)	Elev: 1393	Longest Runway: 5000 (27)
<i>AWOS tel. (760) 789-0736</i>	ATIS:	132.02
	Ground:	121.65
<i>pattern 2400'</i>	Tower:	119.87

San Diego Practice Area Comm Exchange 122.75

San Diego VFR Corridor Comm Exchange 126.05
FAR 91.159 - VFR Corridor North bound 4500'
FAR 91.159 - VFR Corridor South bound 3500'

Borrego Valley (L08)	Elev: 520	Longest Runway: 5011 (25)
	AWOS	126.57
<i>pattern 1520'</i>	CTAF	122.80

Oceanside Municipal (OKB)	Elev: 28	Longest Runway: 2712 (24)
	AWOS	127.80
<i>TOUCH AND GO's prohibited</i>	CTAF	123.00

NAS Imperial Beach tower	(KNRS)	120.65
NAS North Island tower	(KNZY)	135.10
NAS Miramar tower	(KNKX)	135.20
(MX) Tijuana Rodriguez tower	(MMTJ)	118.10

Julian (JLI)	.- - - .-	114.0
Mission Bay (MZB)	- - - -	117.8
Oceanside (OCN)	- - - - .- . .	115.3
Poggi (PGY)	.- . . - - . - - -	109.8
Santa Catalina (SXC)	. . . - . . - . .	111.4
Los Angeles (LAX)	.- . . - . - . .	113.6

Light Signal	Ground	Air
steady green	<i>clear for takeoff</i>	<i>clear to land</i>
flashing green	<i>clear to taxi</i>	<i>return to land</i>
steady red	<i>stop</i>	<i>give way to other aircraft</i>
flashing red	<i>clear runway</i>	<i>airport unsafe - do not land!</i>
flashing white	<i>taxi to line</i>	
alternate red and green	<i>caution</i>	<i>caution</i>

Xponder emergency code 7700
Xponder radio failure code 7600

FSS phone (800) 992-7433
 FSDO (San Diego) phone (619) 557-5281

eMail any correction/suggestions to: ben@phaster.com
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