

PREFLIGHT INSPECTION

Aircraft: LN-EDB Revision: 1
Type: Cessna 182S Date: 2026-08-17

PRE

GENERAL

1. Aircraft documents CHECK / ON BOARD
2. Aircraft.....GENERAL OVERVIEW
3. Fuel selector BOTH
4. Fuel filters (10 + 2 drain valves, see note).....DRAIN

COCKPIT

1. Cockpit (incl. Headsets, First aid kit, Fire Extinguisher).....CHECK
2. Parking brake SET
3. Control wheel lockREMOVE
4. Magnetos OFF
5. Avionics master/Electrical equipment OFF
6. Master switchON
7. Fuel quantity indicators and annunciatorsCHECK ENOUGH
8. Avionics master switchON
9. Avionics cooling fan CHECK AUDIBLY
10. Avionics master switch OFF
11. Lights (Nav/Strobe/Beacon/Landing/Taxi) ON →CHECK →OFF
12. Pitot heat (pitot tube warn within 30 sec) ON →CHECK →OFF
13. FlapsEXTEND FULL
14. Annunciator lights (hold test switch)CHECK
15. Master switch OFF
16. Flight controls and trim.....CHECK FULL MOVEMENT
17. Engine controlsCHECK FULL MOVEMENT
18. Seats and harness CHECK CONDITION
19. Windows clean (see note)..... CHECK

LEFT WING

1. Surface conditionCHECK
2. Flap and hingesCHECK
3. Aileron and hingesCHECK
4. Wing tipCHECK
5. LightsCHECK
6. Pitot head (unobstructed).....CHECK
7. Stall warningCHECK
8. Fuel cap OPEN
9. Fuel quantity and color.....CHECK
10. Fuel cap CLOSE AND SECURE
11. Fuel vent (unobstructed)CHECK
12. Landing gear and tireCHECK
13. Brake block and discCHECK
14. Chocks and tie down REMOVED

NOSE SECTION

1. General conditionCHECK
2. Static pressure port (unobstructed).....CHECK
3. Propeller and spinnerCHECK
4. Air inlets/filter (unobstructed)CHECK
5. Oil (see note)CHECK
6. Dipstick PROPERLY SEATED
7. Nose wheel tireCHECK
8. Nose gear strut (proper inflation 8-9 cm)CHECK

NOTE: Factory approved oil level is between 4 and 9 quarts. Try to maintain oil level between 6 and 8 quarts. Never overfill. Always use a funnel when filling oil. Use Total Aero DM 15W50 oil all year (requires engine heater during winter).

RIGHT WING

Check as left wing.
(Pitot head and stall warning are on the left wing only)

FUSELAGE – RIGHT SIDE	
1. General condition	CHECK
2. Cabin door and hinges	CHECK
3. Antennas	CHECK
ENPENNAGE	
1. General condition	CHECK
2. Control surfaces	CHECK
3. Hinges and attachments	CHECK
4. Antennas	CHECK
5. Tie down	REMOVED
FUSELAGE – LEFT SIDE	
1. General condition	CHECK
2. Cabin and baggage doors and hinges	CHECK
3. Antennas	CHECK
COCKPIT	
1. Aircraft logbook	ON BOARD AND SIGNED
2. Baggage	STOWED AND SECURED
3. Passenger briefing (incl. emergencies)	PERFORMED

AIRSPPEED/FLIGHT LOAD SHEET

AIRSPEED LIMITATIONS		AIRSPEEDS FOR NORMAL OPS	
Vne	170 KIAS	Vr	50-60 KIAS
Vno	140 KIAS	Vx (flaps)	N/A
Va	110 KIAS at max GW	(no flaps)	65 KIAS*
	101 KIAS at 2600 lbs	Vy (flaps)	N/A
	89 KIAS at 2000 lbs	(no flaps)	80 KIAS*
Vfe	0-10°: 140 KIAS	Venroute climb	85-95 IAS
	10-20°: 120 KIAS	Vbest glide	
	20° +: 100 KIAS	3100 lbs	75 KIAS
Vs1	40-43 KIAS	2600 lbs	70 KIAS
Vs30	43-46 KIAS	2000 lbs	62 KIAS
Vs45	48-51 KIAS	Vapproach	70-80 KIAS
Vs60	57-61 KIAS	Vfinal approach	60-70 KIAS
Vso	35-36 KIAS	Vfinal app short fld	60 KIAS
Vxw	15 KIAS		
FLIGHT LOADS		POSITIVE	NEGATIVE
Flaps up		3.8 G	1.52 G
Flaps down		2.0 G	N/A
Remarks:			
Vx increases with altitude and GW (63 KIAS Sea Level – 66 KIAS FL 100).			
Vy decreases with altitude, increases with GW (80 KIAS – 72 KIAS).			
Vbest glide varies as Vmax range. Vturbulance as Va.			
Gusty T/O and Landing: Add max. 1/2 of wind gust factor to speed.			
*Value adjusted to nearest 0 or 5 value.			