DA40-180 (Ted Yin vl.O)	► Electric Pumpon	 MFD Range/Track
Ground Operations	r	ments
Initial	■ IIIXture	• (ADSB Handheld
► Papers A.R.O.W.	• Mixture 3-5 sec	
Extinguisher ch	• Throttle 0.4"	► ELT chec
► Mags. Key out	(lear!™	► Avionics
	TingsScarc	
► Essential Busoff		■ ALL Strobes ▼Throt+1e
ii	lea	▼ Mags• ····· of f
high	sure	
► Inrottle	► Electric Pumpoff	► Mags •
rherk & set		αJ
Pitot	► Engine Instcheck ■ Fiel Pressure 1.4=35 psi	► (Standby Alternat ► Master
Pump	./ Amps 25-30V/2-	Post-Fligh
▼ Fuel	Pre-Taxi	► (ADSB Handheld
ls free & cor	► Flaps UP, then T/0	
me	as ne	
Walkaround		▶ Under Seats
▶ Fuel/0il ······ test/sample	► ruei localizerenter ► ATTS	▼ Gust Lock
► Caps/Drains/Vents		
► Surfaces/Controls	onder	► Canbov/Door
Stall Strips/Fairings	· TC/AI/HS	Flooded Engi
	► Clearanceobtain	▶ Electric Pump
► Prop/Air Intakes x3	▶ Brakes ······release/test	
Victor Static/Stati	Run-Up	: au
Ties/Chocks	▶ Brake set	► Mags •
▼ Canopv/Door	▶ Seat Beltscheck	► When engine fires
)►Final Walkaround		: :
Pre-Start		غ ج
▶ Passenger	-	▶rınısı up normaı
	1 tude	Airspeeds (K
od	Findine	<u> </u>
▶ Seat Beltson	Fuel Selector fullest	Mass JLUL /JE35,
tes		
Brkrs	兄	(Q
► Strobe (ACL)on	Prop x325	(0/1
ğ	1,75,	
idle cut	Air	½du ·
hi	■ Indicators check ■ Throttleidle	
ā	0001	· L.DG
(Battery)		@ T.T.T
▼ Kudaer Pedalsadjust ▼ G1000 DB Datecheck	Tank	49
Selector	<pre>Prull Check (initial)</pre>	点 是 上 D
Start	"/Ann	▶ Steep Turn: <=45º
▶ Throttle	:: M	

(Ted Yin vl.0)	▶ Electric Pumpon	• MFD Range/Track Up set
· · · · · · · · · · · · · · · · · · ·	► Warm	S
vper acturis	• Mixture	Lights as required
Initial	► Cold	• (ADSB Handheldon)
A-R	3 - E	Shutdown
_		► ELTcheck (1,21,.5)
nicalnff	Clear!"	
	Tidgs	crical
1 Bus	TIIXturerICH	
reidle cutoff]ea	▼ Infoctie
high	sure	j
tleidle	dwr	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	► Alternators ·····on	Timer
crieck & set 1/0	▶ Engine Inst.·······check	► (Standby Alternator ···· off)
Pumpcheck	ure · · ·	▶ Master off
	• Volts/Amps ···· d5-3UV/d-75A	Post-Flight
J_JO0	Pre-Taxi	
ols free & correct	►Flaps UP, then T/0	▶Flight Planclose
:	▶ Lightsas required	Time
Malkaround	► Avionicson/set	▶ Under Seatscheck
011 +oc+ /sample	Totali	▶ Gust Lock ······on
ine Wont	► ATIS PFD/backup/AP(?)	
/ratils/ venus	► Radio test	ocks
-es/concrois Stains/Faining	onder	► Canpoy/Doorlock
24//44/ a11 112 25/11/24	► Check ······· TC/AI/HSI<->MC	Flooded Engine
cy Alicellias	nce	▶ Electric Pumpoff
•	▶ Brakes ······· release/test	an (full
Static/Stail	Run-Up	▶ Throttle mid position
SV LITTES/ DITARES	▶ Brake set	▶ Magsstart
I locks	.ts	► When engine fires:
ישטע //	v/Door	• Throttleidle
Walkar our lu		··· rich (rapidly
Pre-Start	ols c	▶ Finish up normal start
ngerbrief	de	eeds (KI
Doorsecure	► Com/Nav/FPLset	S
•sod	▶ Engine	
Selts on	• Fuel Selector fullest	► Mass ···· 2646/2535/2205/1.874
Tes	• Mixturerich	• Vq 76/73/68/60
S• · · · · · · · Che	• Throttle2000 RPM	(al
(ACL)on	• Cycle Prop x3250~500	T/0)
ICS 011	• Mags. L/R1,75, +/-50	
ti o'lo:	• Alternate Air check	. Up
אם אביין)s,	
10 1911 10 10 10 10 10 10 10 10 10 10 10 10 10 1		· LDG · · · LDG · · · · · · · · · · · · · · · · · · ·
Battery)	000'I	► Va MÄM 40-227
y ` ي	-	• yes 1111 @ 2646-2284
	■ Eacri lark w mirn wydd • Fill (bork (initial)	• no 108 a 2535-2161
Selectorleast	check (Initial)	94 a below 22
Start	Allerhade Static checkGPS/System/Ann check	►Steep Turn: <=45°, >=68
F	Σ	

Prop 1800-2400 RPM Mixture Economy max EGT, <=75% Best 1009F(55°C) lower Higher Power richen High Altitude pump on Flow Check (~15 min) Trim, Switch Tanks Mixture/Prop/Throttle Flaps, Engine Inst. Pump, Mag., Master CHT 150-400°F Oil 155-220°F		Takeoff "Lights, Camera, Action" Electric Pump on Mixture/Prop/Throttle Engine Inst. green Vr 59, then 57-60 Safe Altitude Prop 2400 RPM Pump off Lights as required Climb	In-Flight Operations Pre-Takeoff Abort Plan/Lost Comm. (anopy/Door lock Trim T/O Fruim T/O Full Selector fullest Flaps rich Prop histure high RPM Pitot Heat as required (Air Conditioner off) Review Airspeeds Time note/start
Trim T/0 Lights as required Clearance obtain CO Contamination Co Contamination Co Contamination Co Contamination Co Contamination Copen Co	Flaps T/0 Safe Altitude Prop 2400 RPM Pump off Lights as required Cruise Climb Post-Landing Throttle loop Pen Throttle off Flaps UP Electric Pump off Pitot Heat off	Belts:	Mixture richen slowly Throttle as required Prop 1ADD-24DD RPM High Altitude pump on CHT Cool Down <= 50°F(22.8°C)/min. Pre-Landing ATIS/Rwys/Approach Plan "CCGUMPSF" G Fuel Selector Mixture rich
■ Master on ■ Emergency Windows open ➤ Engine-off Landing Electrical Fire ➤ Emergency Switch on ➤ Master off ➤ Cabin Heat off ➤ Cabin Heat open ➤ Canopy Windows partially ➤ Land ASAP	• Mixture idle cutoff • Mags. off • Mags. off • Master off • Master off • Belt and Seat check • Flaps LDG (when able) • Unlatch Door?/Brace • Cabin Heat off • Emergency Descent • Landing is ensured • Fuel Selector off • Throttle full • Pump off	 Airspeed 70-80 KIAS Mags. both Mixture lean then slowly richen Stationary Restart Airspeed 80 KIAS Electrical off Avionics off Master on Mags. start Engine-off Landing Fuel Selector off 	2. Mixture full/check 3. Pump on 4. Alternate Air on 5. Mags. check all 6lide and Trim • Airspeed 76-60 KIAS • Windmill 1.45nm/lkft • Stationary 1.7nm/lkft • Wind and Landing Site • Longer Flow • Engine Inst. check • Short Flow • Windmill Restart