

G-ZANY

NORMAL CHECKLIST

DA40-D

VERSION 1.3A

TAKE OFF BRIEF AIDE-MEMOIRE

Threats / MEL / AIS / Sig Wx / Dep Alternate / Runway / Flap / Trans Alt / Terrain / Take-off Performance / SSA / MSA / SID / Radio Aids (STBY) / NAV UNITS / HDG SEL / INIT ALT / Speeds / Emergencies / Review

BEFORE START

COCKPIT PREP _____ COMPLETED
 CANOPY/REAR DOOR _____ SHUT
 BARO REF _____ SET
 EFB(iPAD/SKYECHO/SATWXR) _____ INITIALISED
 PARK BRK _____ ON
 SEAT BELTS _____ ON
 OXYGEN SYSTEM _____ AS REQ
 ATC CLEARANCE _____ OBTAINED
 FLIGHT CTRLS _____ CHECKED
 TRIM _____ CHECKED/TO

--- START CLEARANCE ---

STROBES _____ ON
 AVIONICS MASTER _____ OFF
 ANUNC PANEL _____ TEST
 AREA CLEAR _____ CHECK
 ENGINE _____ (P.T.O)START
 XPDR(INTL Aprts) _____ SET/ALT

AFTER START

ENGINE WARM UP _____ 2 MIN
 PITOT HEAT _____ TEST
 FLAPS _____ CHECKED
 EFIS _____ SET
 FMS _____ SET
 NAV _____ S.I.D/SET
 COM _____ SET
 ANUNC PANEL _____ TEST

BEFORE TAKE OFF

IFR INSTRUMENTS _____ (P.T.O)CHECKED
 POWER CHECKS _____ COMPLETE
 ECU _____ (AUTO)
 ECU BACKUP _____ IFR ALLOWED
 FLIGHT CTRLS _____ CHECKED
 TRIM _____ SET TO
 FLAPS _____ SET TO
 MFD _____ REVER
 CDI SOURCE _____ (VLOC/GPS)
 DEPARTURE BRIEF _____ CONFIRMED
 --- ENTERING RUNWAY ---
 TAKE OFF RWY _____ VERIFY/ACK
 PITOT HEAT _____ ON
 LANDING LIGHT _____ AS REQ (ON)
 WXR (SAT RAD) _____ CHECK

AFTER TAKE OFF / CLIMB

FLAPS _____ UP
 MFD _____ ABOVE MSA (NAV MAP)
 LANDING LIGHT _____ AS REQ (OFF)
 --- STD Set ---
 BARO REF _____ SET

APPROACH BRIEF AIDE-MEMOIRE

Threats / AIS / Weather / QNH / Trans Lvl / Req'd Nav Acc / MSA / SSA / STAR / Minima / Flap / Airfield Elevation / Go Around / Runway / Landing Performance / Airfield / Radio Aids (STBY) Alternate / Fuel Capability / Review

APPROACH

FMS _____ SET
 NAV _____ S.I.D/SET
 COM _____ SET
 APPROACH BRIEF _____ (APPR/RWY) CONFIRMED
 MINIMA _____ (SET) BARO SET
 CABIN _____ SECURE
 OXYGEN SYSTEM _____ OFF

--- QNH Set ---

BARO REF _____ SET
 CDI SOURCE _____ (VLOC/GPS)
 APPROACH PHASE _____ ACTIVE

LANDING

PARK BRK _____ OFF
 CABIN _____ SECURED
 FLAPS _____ SET TO
 LANDING LIGHT _____ AS REQ (ON)

AFTER LANDING

EXTERIOR LIGHTS _____ SET
 FLAPS _____ UP
 PITOT HEAT _____ OFF
 XPDR(INTL Aprts) _____ VERIFY ALT

PARKING

PARK BRK _____ ON
 PFD/MFD _____ OFF
 --- ENGINE Idle (2 min) ---
 XPDR _____ 2000/STBY
 AVIONICS MASTER _____ OFF
 ENGINE MASTER _____ OFF
 STROBES _____ OFF

SECURING THE AIRCRAFT

EXTERIOR LIGHTS _____ OFF
 INTERNAL LIGHTS _____ OFF
 ELECTRICAL MASTER _____ OFF
 OXYGEN SYSTEM _____ OFF
 ALTERNATE AIR _____ OFF
 ALTERNATE STATIC _____ OFF
 TRIM _____ CHECKED/TO
 EFB(iPAD/SKYECHO/SATWXR) _____ OFF

POST-FLIGHT REVIEW AIDE-MEMOIRE

What happened and why / Was the outcome positive or not / How do we repeat or avoid / Impact on Safety / Were SOPs followed
What are the learning points / Further action required

Please refer to DA40-D-AFM

This checklist is NOT to Supersede the Aircraft Manufactures AFM provided and required aircraft specific checks.

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VERSION 1.3A		DA40-D

AIDE-MEMOIRE

PRELIMINARY COCKPIT PREPERATION	
INTERACTIVE BRIEFING.....	COMPLETE
AIRPLANE DOCUMENTS.....	ON BOARD
ECU SWAP.....	AUTO
EMERGENCY FUEL VALVE.....	NORM
CIRCUIT BREAKERS.....	CHECK
FRONT CANOPY.....	CHECK
REAR DOOR.....	CHECK
POWER LEVER.....	CHECK
ALTERNATE AIR.....	CLOSED
ALTERNATE STATIC.....	CLOSED
EXTERIOR LIGHTS.....	CHECK
PITOT HEAT.....	CHECK
FUEL QTY.....	CHECK
GUST LOCK.....	REMOVED
TOW BAR.....	ON BOARD
BAGGAGE AREA.....	PREPARED
EMERG EQUIP.....	ON BOARD

ENGINE START UP (MONITOR)	
STROBE LIGHT (ACL).....	ON
POWER LEVER.....	IDLE
ENGINE MASTER.....	ON
CHECK AREA.....	CLEAR
<i>Wait until GLOW indication extinguishes</i>	
ELECTRIC MASTER.....	START
<i>MAX 10 seconds</i>	
<i>Repeat process after 20 seconds, maximum 6 attempts</i>	
<i>Further attempt must commence after 30 minutes only</i>	
OIL PRESSURE.....	CHECK
<i>Moved from red range within 3 seconds</i>	
RED RANGE (AFTER 3 SEC).....	ELECTRIC MASTER OFF
<i>Cold engine – Oil pressure high (6.5 bar) for max 20 seconds</i>	

ENGINE POWER CHECKS (MONITOR)	
CIRCUIT BREAKERS.....	CHECK
POWER LEVER.....	MAX
OIL PRESSURE.....	GREEN RANGE
RPM.....	STABLE
LOAD.....	90%+
--- ECU Test ---	
ECU TEST.....	MONITOR
ECU BACKUP UNSAFE LIGHT.....	EXTINGUISHED
--- ECU Swap ---	
ECU SWAP.....	ECU B
ENGINE.....	MONITOR
ECU SWAP.....	ECU A

EXTERIOR PREPERATION	
SAFETY EXTERIOR INSPECTION.....	COMPLETE
COVERS.....	REMOVED
AIRCRAFT SURFACES.....	CLEAN
EXTERIOR WALKAROUND.....	COMPLETE
FUEL CHECK.....	COMPLETE
REFUEL.....	AS REQ
BAGGAGE LOADING.....	SECURED

PASSENGER BRIEF AIDE-MEMOIRE
Health & Safety of Passengers / Pilot in Command / Associated Risks Legal responsibility / Weather / Passenger Comfort / Turbulence / Non-Commercial Weight & Balance / Bulky Baggage / Dangerous Goods / Sick bags / In flight / Airside Onboard / Emergency Procedures & Equipment / Emergency Briefing