

MFGM - EXP. CHECKLISTE

DR40-180 / HB-KFY

PREFLIGHT

IGNITION _____ OFF
 OUTSIDE CHECK ACC. AFM _____ COMPLETED
 FUEL QUANTITY _____ CKD
 OIL QUANTITY _____ CKD
 STEERLOCK _____ REMOVED
 AIRCRAFT PAPERS & CABIN _____ CKD

ENGINE START

PARKBRAKE _____ SET
 ALL SWITCHES _____ OFF
 CIRCUIT BRAKERS _____ CKD
 BATTERIE _____ ON
 NAV LTS _____ ON
 CARBURATOR HEAT _____ OFF
 MIXTURE _____ RICH
 FUEL QUANTITY ____ (ENDURANCE.....h./..... It.) ____ CKD
 FUEL VALVE _____ MAIN-TANK
 FUEL PUMP _____ ON
 FUEL PRESS. _____ CKD
 MAGNETO SWITCH _____ (KEY) _____ BOTH
 PRIMING _____ COLD 4. INJ. / HOT 1. INJ.
 THROTTLE _____ 1cm SET
 PROPELLER AREA _____ CLEAR
 STARTER _____ ENGAGE
 THROTTLE _____ 1200 RPM
 ALTERNATOR _____ ON
 OIL PRESS _____ CKD
 FUEL PUMP _____ OFF
 RADIO MASTER _____ ON

BEFORE TAXI

SEAT _____ LOCKED
 SEAT BELTS _____ FASTENED
 CANOPY _____ CLOSED
 FLIGHT CONTROLS _____ CKD/FREE
 FLAPS _____ CKD / SET FOR T/O
 TRIM _____ CKD / SET FOR T/O
 ANNUNCIATOR PANEL _____ CKD
 FUEL QUANTITY ____ (ENDURANCEh./.....It.) ____ CKD
 FLIGHT-INSTRUMENTS _____ SET & CKD
 GYRO _____ SET
 ALTIMETER _____ (.....FEET) _____ QNH SET
 ELT _____ CKD
 COM / NAV / GPS _____ ON / SET / CKD
 TRANSPONDER _____ (7000) _____ STBY
 TAXI LT _____ ON
 PARKBRAKE _____ RELEASED

TAXI

BRAKES / STEERING _____ CKD
 GYRO COMPASS _____ (L + R) _____ CKD
 TURN & BANK-INDICATOR _____ (L + R) _____ CKD
 HORIZON _____ CKD

RUN-UP

PARKBRAKE _____ SET
 TAXI LTS _____ OFF
 ENGINE INSTRUMENTS _____ CKD
 THROTTLE _____ 2000 RPM
 MAGNETO _____ (L + R) DROP <175 RPM _____ CKD
 _____ DIFF < 50 RPM _____ CKD
 CARBURATOR HEAT _____ DROP 100 RPM _____ CKD
 MIXTURE _____ EGT CKD
 OIL PRESS / VOLTS / SUCTION _____ CKD
 THROTTLE _____ IDLE (600-650 RPM) _____ CKD
 TAXI LTS _____ ON

BEFORE DEPARTURE

TRIM / FLAPS _____ (TO-POSITION) _____ CKD
TO-BRIEFING:
 FOR (ABT)..... RWY..... ROUTING.....
 CONDITIONS..... SPEEDS: **V_{rot} ... V_X ... V_Y ... V_{bg}...**
 ABNORMAL SITUATIONS
 FUEL PUMP _____ ON
 FUEL PRESS _____ CKD
 CANOPY _____ LATCHED / CLOSED
 PARKBRAKE _____ RELEASED

LINE-UP

APPROACH SECTOR / RWY..... CLEAR
 LANDING- / STROBE LTS _____ ON
 TRANSPONDER _____ SBY OR ALT
 FLIGHT CONTROLS _____ CKD/FREE
 RWY HDG _____ CKD
 TIME _____ NOTED

CLIMB-CHECK

FLAPS _____ (300 Ft. Gnd.) _____ UP
 CLIMB POWER _____ SET
 FUEL PUMP _____ OFF
 FUEL PRESS. _____ CKD
 LANDING- / TAXI LTS _____ AS REQ
 MIXTURE _____ (ABOVE 5000 FEET) _____ AS REQ

CRUISE-CHECK

ENGINE INSTRUMENTS _____ CKD
 CRUISE POWER _____ SET
 MIXTURE _____ SET
 FUEL QUANTITY ____ (ENDURANCE.....h./..... It.) ____ CKD
 ALTIMETER _____ SET (STD - QNH)
 GYRO _____ SET

APPROACH-CHECK

APPROACH BRIEFING:
 FOR (ABT)..... RWY..... RADIO FREQUENCY.....
 ROUTING / POINTS & ALTITUDES.....
 ABNORMAL SITUATIONS.....
 ALTIMETER _____ SET (STD - QNH)
 LANDING LIGHT _____ ON
 FUEL QUANTITY ____ (ENDURANCE.....h./..... It.) ____ CKD
 FUEL VALVE _____ SET FULLEST TANK
 FUEL PUMP _____ ON
 FUEL PRESS. _____ CKD
 CARBURATOR HEAT _____ SET ON
 MIXTURE _____ RICH
 FLAPS _____ (SPEED-CHECK, WHITE ARC) _____ SET

FINAL-CHECK

FLAPS _____ SET FOR LANDING
 CARBURATOR HEAT _____ OFF (PUSHED)
 RWY / APROACHSECTOR _____ CLEAR

AFTER LANDING

TRANSPONDER _____ STBY/OFF
 TIME _____ NOTED
 LANDING - /STROBE LTS _____ OFF
 FUEL PUMP _____ OFF
 FLAPS _____ FULL UP
 TAXI LT _____ ON

SHUT DOWN

PARKBRAKE _____ SET
 TAXI LTS _____ OFF
 NAV LTS _____ OFF
 FLAPS _____ FULL DOWN
 RADIO MASTER _____ (121.5 CKD) OFF
 MIXTURE _____ IDLE CUT OFF
 IGNITION _____ OFF/KEY REMOVED
 MASTER SWITCH / ALTERNATOR _____ OFF

POSTFLIGHT-CHECK

AIRPLANE _____ CLEANED
 PAPERWORK _____ ALL COMPL

GENERAL DR40 HB-KFY

Max. T/O Weight = 2425 LBS (1100 KG)
Max. LDG Weight = 2304 LBS (1045 KG)

V _{ROT} (Flaps 1. Position)	54 KIAS
V _X (Best Angle of Climb, Flaps 1. Psition)	70 KIAS
V _Y (Best Rate of Climb, Flaps up)	92 KIAS
V _A (Design Maneuvering Speed)	116 KIAS
V _{NO} (Maximum Structural Cruising Speed)	140 KIAS
V _{NE} (Never Exceed Speed)	166 KIAS
V _{FE} (Maximum Flaps Extended Speed)	92 KIAS
V _{INITIAL} (Approach Speed to Downwind)	90 KIAS
V _{INTERMEDIATE} (Appr. Speed Downwind to Final)	81 KIAS
V _{fAPP} ... (Approach Speed, Fullflaps) (+ ½ Gusts)	68 KIAS
V _{fAPP} ... (Approach Speed 0-Flaps)	75 KIAS
V _{BEST GLIDE} (Speed best glide angle; Flaps 0°)	81 KIAS