

734YA Checklist (C172N Dynon SkyView HDX)



Before Start

NOSE-TIPS-TAIL-CHOCKS-AREA..... CLEAR
 PREFLIGHT INSPECTION.....COMPLETE
 PASSENGER BRIEF.....COMPLETE
 Seats & Seatbelts, Air Vents, Fire Extinguisher, Exits & Emergency, Traffic Scanning & Talking, Your questions?
 SEAT & SEAT BELTS ADJUST AND LOCK
 CIRCUIT BREAKERSCHECK IN
 ELECTRICAL SWITCHES..... OFF
 IGNITION SWITCH..... OFF
 AVIONICS MASTER SWITCH..... OFF
 ALTERNATE STATIC SOURCE..... OFF
 FUEL SELECTOR.....BOTH
 CARB HEAT.....COLD
 MASTER SWITCH.....ON
 BEACON.....ON
 NAV LIGHT.....(night only) ON
 FUEL GAUGE.....CHECK

Starting Engine

WARM ENGINE

MIXTURE.....RICH
 THROTTLE.....¼" OPEN
 BRAKES HOLD
 PROP AREA..... CLEAR
 IGNITION..... START

COLD ENGINE

PRIMER..... 3 STROKES & LOCK
 MIXTURE.....RICH
 THROTTLE..... ¼" OPEN
 BRAKES HOLD
 PROP AREA..... CLEAR
 IGNITION.....START

WHEN ENGINE STARTS

THROTTLE.....1000 RPM
 OIL PRESSURECHECK GREEN
 MIXTURE.....LEAN
 THROTTLE.....1000 RPM
 FLAPS.....UP

After Start

AVIONICS MASTER SWITCH.....ON
 HEADSETSON
 COMS.....SET FREQS (WX/TWR/GND)
 WEATHER.....CHECK
 ALTIMETER.....(PFD & STBY) SET
 FLIGHT INSTRUMENTS.....CHECK
 TRANSPONDER..... SET CODE / ALT MODE
 GPSENTER WPT / FPL / APR AS REQ
 NAVSSET / COURSE

Taxi

AIRPORT DIAGRAM.....OUT / AVAILABLE
 LANDING & TAXI LIGHTS.....(Night/IFR)ON
 TAXI AREA..... CLEAR
 BRAKESCHECK
 TAXI CLEARANCE.....OBTAIN / BRIEF
 FLIGHT INSTRUMENTS (TC/HSI/MC) Check in turn
 MAINTAIN STERILE COCKPIT

Run Up

MIXTURE.....RICH / FULL FWD
 THROTTLE.....1700 RPM
 MAGNETOSCHECK
 (Drop should not exceed 125 RPM on either magneto or a difference of 50 RPM between the two.)
 ENGINE INSTRUMENTS & AMMETER CHECK
 CARB HEAT.....ON/CHECK DROP
 CARB HEAT.....OFF
 THROTTLE.....1000 RPM
 MIXTURE.....LEAN

EMERGENCY BRIEF

ENGINE FAILURE DURING TAKEOFF ROLL:

THROTTLE.....IDLE
 BRAKES.....APPLY
 FLAPS.....UP
 IGNITION SWITCH.....OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF:

AIRSPEED.....LOWER NOSE & PITCH FOR BEST GLIDE
 MIXTURE.....IDLE CUTOFF
 FUEL SELECTOR VALVE..... OFF
 IGNITION.....OFF
 FLAPS.....AS NECESSARY
 TIME PERMITTINGDECLARE AN EMERGENCY
 BATTERY MASTER.....OFF
 DO NOT ATTEMPT 180° TURN BELOW 1000AGL

Before Takeoff

FLIGHT CONTROLS FREE & CORRECT
 FLIGHT INSTRUMENTS CHECK & SET
 FUEL SELECTOR.....BOTH
 TRIM.....SET T/O
 FLAPS..... SET
 GPS(As req. for departure) SET
 ALT & HDG BUG..... SET
 AUTO PILOT.....OFF

DEPARTURE BRIEF

Planned Altitude & Heading
Brief Departure Procedure..... COMPLETE
 ENGINE INSTRUMENTSCHECK
 SEATS POSITION.....LOCKED
 SEAT BELT & SHOULDER HARNESS...FASTENED

FINAL ITEMS

DOORS & WINDOWSCLOSED & LOCKED
 STROBE & LANDING LIGHT.....ON
 TRAFFICCHECK
 MIXTURE.....RICH
 SET FRQ / CONTACT TWR.....CHECK

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After Takeoff (1000 AGL)

AIRSPEED..... 85 KIAS
FLAPS.....UP
THROTTLE..... FULL
MIXTURE..... RICH BELOW 3000' MSL
LANDING LIGHT.....OFF

Cruise

POWER..... SET
ENGINE INSTRUMENTSCHECK
MIXTURE.....LEAN

In-Range / Approach

WEATHER.....CHECK
ALTIMETER..... (PFD & STBY) SET
IFR PRELIMINARY APPROACH BRIEF

- *Type of Approach / Airport Name / Frequencies*
- *Runway length / Lighting*
- *Field Elevation / Sector Altitude*
- *Highest Obstacle / Terrain Review*
- *NAV / Course / Minimums / Missed*
- *Crosswind Component*COMPLETE

FUEL SELECTOR.....BOTH
PARKING BRAKE..... CHECK RELEASED
LANDING LIGHTON
AIRPORT DIAGRAM (Keep available).....CHECK
SEAT BELTS FASTENED
CARB HEAT.....AS REQ
CALL TWR / CTAF.....10-15NM OUT

—WHEN DIRECT TO IAF OR VECTORED—

FLIGHT & NAV INSTRUMENTS..... SET/IDENT
GPS (As Required for Approach)..... SET
AIRSPEED..... 90 KIAS

Before Landing Checklist

MIXTURE.....RICH
POWER.....SET
CARB HEAT.....ON
FLAPS.....AS REQ

After Landing

TRIM.....CENTERED
CARB HEAT.....OFF
FLAPS.....UP
MIXTURE.....LEAN
TAXI CLEARANCE..... OBTAIN & BRIEF

Shutdown/Terminate

TRANSPONDER.....1200
AVIONICS MASTEROFF
THROTTLE.....1000 RPM
MIXTURE.....CUTOFF
IGNITION SWITCH.....OFF
RECORD TIMES.....COMPLETE
MASTER SWITCH.....OFF
ELECTRICAL SWITCHES.....OFF
FLIGHT CONTROLSSECURE
TIEDOWN / CHOCKSECURE
PITOT GATOR.....INSTALL

V-Speeds

Vso.....41 KIAS
Vs1.....47 KIAS
Vr.....55 KIAS
Vx (50 ft obst.)59 KIAS
Vx60 KIAS
Vg65 KIAS
Vy.....70 KIAS
Vfe.....85 KIAS
Va80-90 KIAS
Vno128 KIAS
Vne160 KIAS

Local Frequencies

CLL ATIS126.85
CLL Ground128.70
CLL Tower118.50
HOU Departure.....134.30
Flight Service122.65
CFD123.00
RWV, LHB, 60R.....122.90
11R.....123.07

-Engine Failure During Flight-

AIRSPEED..... Vg 65 KIAS
CARB HEAT.....ON
FLAPS.....UP
MIXTURE.....RICH
FUEL SELECTOR VALVE.....BOTH
PRIMER.....IN & LOCKED
MAGNETOSCHECK ALL

IF PROP NOT WINDMILLING

IGNITION SWITCH.....START
MAGNETOSCHECK ALL
DECLARE EMERGENCY

-Engine Fire In Flight-

DECLARE EMERGENCY

MIXTURE.....IDLE CUT OFF
FUEL SELECTOR VALVE.....OFF
MASTER SWITCH.....OFF
AIRSPEED..... 120 KIAS glide
CABIN HEAT & AIR.....OFF
IF FIRE PERSISTS.....INCREASE SPEED
DO NOT ATTEMPT ENGINE RESTART

-Emergency Landing No Engine Power-

LANDING AREASELECT & INSPECT
AIRSPEED.....Vg 65 KIAS
MIXTURE.....CUTOFF
FUEL SELECTOR VALVE.....OFF
IGNITION & ELECTRICAL SWITCH.....OFF
FLAPS..... AS REQ
MASTER SWITCH.....OFF
DOORS(Prior to touchdown) UNLATCH
BRAKES APPLY HEAVILY

-Emergency Descent-

THROTTLE.....IDLE
DESCENDING TURNS.....30° 45° BANK
AIRSPEED.....120 KIAS
DECLARE EMERGENCY