

CHECKLIST PH-BEA SOCATA TB-9 TAMPICO

BEFORE STARTING

DOORS CLOSED / LOCKED
PARKING BRAKE SET
PASSENGER BRIEFING COMPLETED
PREFLIGHT CHECK COMPLETED
TOW BAR REMOVED / STOWED
AIRCRAFT DOCUMENTS ON BOARD
LOOSE EQUIPMENT STOWED
SEATS ADJUSTED
SEATBELTS FASTENED
CONTROLS CHECK
FUEL SELECTOR LEAST FULL TANK
TRIM CHECK
ALL SWITCHES OFF
CIRCUIT BREAKERS CHECK

► ATIS CHECK
► START UP CLEARANCE AS REQUIRED

STARTING ENGINE

MIXTURE RICH
CARBURATOR COLD
MAIN SWITCH ON
FUEL PUMP ON
THROTTLE OPERATE / PRIME
STROBE LIGHTS ON
THROTTLE 1 CM
AIRCRAFT AREA CLEAR
IGNITION SWITCH START/BOTH
THROTTLE 1000 - 1200 RPM
STARTER WARNING LIGHT OUT
ALTERNATOR SWITCH ON
ALT. WARNING LIGHT OUT
OIL PRESSURE CHECK (< 30 SEC)
FUEL PUMP OFF
FUEL PRESSURE GREEN SECTOR

START FAILURE (DUE TO EXCESS FUEL)

MIXTURE CUT OFF
THROTTLE FULL OPEN
IGNITION SWITCH START / BOTH (MAX 30 SEC)
MIXTURE RICH (WHEN ENGINE STARTS)

BEFORE TAXI

VOLTMETER GREEN SECTOR
RADIO MASTER ON
ADVISORY PANEL TEST
INSTRUMENTS CHECK
GPS ON / SET
TURN COORDINATOR ON
RADIO/ AVIONICS ON / SET / CHECK
TRANSPONDER STANDBY
FLAPS CHECK / UP
NAV. LIGHTS AS REQUIRED
TAXI LIGHT AS REQUIRED
PARKING BRAKE RELEASE
► TAXI LIGHT ON

DURING TAXI

BRAKES CHECK
NOSE WHEEL STEERING CHECK
GYRO INSTRUMENTS CHECK

ENGINE CHECK

PARKING BRAKE SET
THROTTLE 1100 RPM
AIRCRAFT AREA CLEAR
OIL TEMP. / PRESS.
FUEL SELECTOR FULLEST TANK
MIXTURE RICH
THROTTLE 1800 RPM WITH WARM
ENGINE

SUCTION CHECK
MAGNETOS CHECK (175/50 RPM)
CARBURATOR CHECK
IDLE RPM CHECK (± 700 RPM)
THROTTLE 1100 RPM

BEFORE TAKE OFF

SEATBELTS FASTENED
SEATS ADJUSTED
DOORS CLOSED / LOCKED
CONTROLS CHECK
TRIM SET FOR TAKE OFF
FLAPS SET FOR TAKE OFF
MIXTURE RICH
CARBURATOR COLD
FUEL PUMP ON
FUEL PRESSURE GREEN SECTOR
INSTRUMENTS CHECK

► LANDING LIGHT ON
► TRANSPONDER ALT

AFTER TAKE OFF

BRAKES CHECK
MIXTURE RICH
FLAPS UP (> 300' AGL)
FUEL PUMP OFF (> 1000' AGL)
FUEL PRESSURE GREEN SECTOR
LANDING LIGHT AS REQUIRED

APPROACH (ATIS / LANDING INFO)

ALTIMETER SET
ENGINE INSTRUMENTS CHECK
MIXTURE RICH
FUEL PUMP ON
FUEL PRESSURE GREEN SECTOR
FUEL QUANTITY CHECK
FUEL SELECTOR FULLEST TANK
LANDING LIGHT AS REQUIRED
SEATBELTS FASTENED

DOWNWIND

BRAKES CHECK
MIXTURE RICH
CARBURATOR HOT
FUEL PUMP ON/CHECK
FUEL QUANTITY CHECK
FUEL SELECTOR FULLEST TANK
FLAPS SET

AFTER LANDING

FLAPS UP
CARBURATOR COLD
FUEL PUMP OFF
TURN COORDINATOR OFF
PITOT HEAT OFF
TAXI LIGHT AS REQUIRED
LANDING LIGHT OFF
TRANSPONDER OFF
TRIM NEUTRAL

AFTER PARKING - ENGINE SHUTDOWN

PARKING BRAKE SET
THROTTLE 1000 RPM
RADIO MASTER OFF
MAGNETOS CHECK
MIXTURE CUT OFF

WAIT TILL PROPELLER HAS STOPPED

IGNITION SWITCH OFF (KEY OUT)
STROBE LIGHTS OFF
ALL OTHER LIGHTS OFF
ALTERNATOR SWITCH OFF
MAIN SWITCH OFF
FUEL SELECTOR OFF
CONTROLS LOCKED (AS REQ)

DAILY INSPECTION (1st FLIGHT)

AIRCRAFT DOCUMENTS..... CHECK

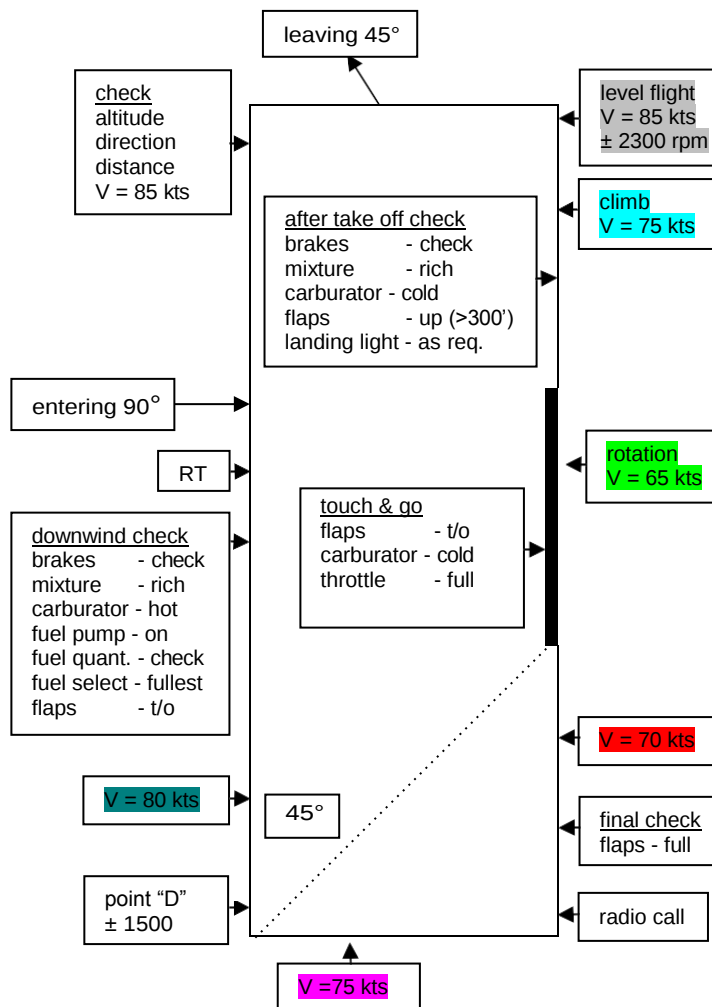
CONTROLS UNLOCK
PITOT COVER REMOVE
IGNITION SWITCH OFF
MAIN SWITCH ON
FLAPS..... LANDING
LANDING LIGHT CHECK
TAXI LIGHT CHECK
NAVIGATION LIGHTS CHECK
STROBE LIGHTS..... CHECK
STALL WARNING SYSTEM..... CHECK
PITOT HEAT..... CHECK
FUEL SELECTOR LEFT / RIGHT
FUEL QUANTITY CHECK
MAIN SWITCH OFF
TRIM..... NEUTRAL
FUEL DRAIN (3 X)
OIL QUANTITY..... CHECK (6-8 QTS)
TIRE PRESSURE CHECK
WINDOWS CLEAN
..... WALK AROUND

PREFLIGHT INSPECTION INSIDE AND OUTSIDE

AIRCRAFT DOCUMENTS..... CHECK
CONTROLS UNLOCK
TRIM..... NEUTRAL
IGNITION SWITCH OFF
MAIN SWITCH ON
FUEL QUANTITY CHECK
MAIN SWITCH OFF
..... WALK AROUND

WALK AROUND

FLAP / AILERON / TIP CHECK
LIGHTS / LEADING EDGE CHECK
TAXI / LANDING LIGHT CHECK
STALL WARNING SYSTEM..... CHECK
PITOT SYSTEM..... CHECK
FUEL / CAP CHECK
LEFT WHEEL / BRAKE CHECK
ENGINE COWL PLATES SECURE
PROP / SPINNER / INTAKE CHECK
NOSE WHEEL / STRUT CHECK
EXHAUST CHECK
OIL QUANTITY..... CHECK (6-8 QTS)
ENGINE COWL PLATES SECURE
RIGHT WHEEL / BRAKE..... CHECK
FUEL / CAP CHECK
LEADING EDGE / LIGHTS CHECK
TIP / AILERON / FLAP CHECK
RIGHT FUSELAGE / STATIC PORT CHECK
ELEVATOR / TRIM TAB CHECK
RUDDER / LIGHT CHECK
LEFT FUSELAGE / STATIC PORT..... CHECK
BAGGAGE DOOR..... CLOSED



type landing	final speed	remarks
normal	70 kts	
precautionary	65 kts	close circuit at 500 ft AGL
power off	70 kts	no flaps on downwind, position closer to runway, power off abeam threshold, glidespeed V = 85 kts
flapless	80 kts	no flaps on downwind, extend downwind for ± 10 seconds

Max. demonstrated crosswind for T/O and landing 25 kts
(use minimum flap setting for required runway length)

FUEL

TYPE: AVGAS 100LL (BLUE)
MOGAS 1% ALCOHOL

TOTAL: 41.7 USG / 158 LT
2 X 20.85 USG / 2 X 79 LT
USABLE: 40.2 USG / 152 LT
2 X 20.1 USG / 2 X 76 LT
PRESS: MIN: - 2 PSI MAX: 35 PSI

OIL

TYPE: CHECK FLIGHT MANUAL
MIN: 4 QTS
NORMAL: 6 QTS (< 3 HRS FLYING)
MAX: 8 QTS (EXTENDED FLIGHT)
PRESS: MIN: 25 PSI MAX: 100 PSI
NORMAL: 60 – 90 PSI
TEMP: MAX: 244°F / 118°C
NORMAL: GREEN ARC

POWER

MAX: 2700 RPM during T/O, **OUT OF RED AREA**
CRUISE: 2500 RPM

CYL. HEAD TEMP.

MAX: 500°F / 260°C
NORMAL: 200°– 435°F / 93°- 224°C

SUCTION

NORMAL: 4.4 – 5.2 INCH HG

G-LIMITS (NORMAL CAT.)

FLAPS UP: +3.8 / - 1.5 G
FLAPS DOWN: +2 / - 0 G

A/C WEIGHT

MAX T/O & LDG 2337 LBS / 1060 KG
MAX BAGAGE: 143 LBS / 65 KG

FLIGHT MANUAL AIRSPEEDS

Vfe	(MAX FLAP SPEED)	95 KTS
Va	(MANOEUVRING)	122 KTS
Vno	(MAX NORMAL CRUISE)	128 KTS
Vne	(NEVER EXCEED)	165 KTS
Vx	(ANGLE)	FLAPS T/O 62 KTS
		FLAPS UP 65 KTS
Vy	(RATE)	FLAPS T/O 73 KTS
		FLAPS UP 80 KTS
Vso	(STALL)	FLAPS LDG 50 KTS
Vs1	(STALL)	FLAPS UP 58 KTS
	BEST GLIDE SPEED	86 KTS
	MAX DEMO X-WIND	25 KTS