



**N5673T**  
**P92 Echo**

12/1/2023

**AIR SPEEDS (KIAS)**

V <sub>G</sub> .....	65
V <sub>S0</sub> .....	37
V <sub>S1</sub> .....	43
V <sub>X</sub> .....	62
V <sub>Y</sub> .....	65
V <sub>FE</sub> .....	70
V <sub>A</sub> .....	98
V <sub>NO</sub> .....	113
V <sub>NE</sub> .....	145

**WEIGHT & BALANCE**

EMPTY WT .....	820 LBS
GROSS WT .....	1320 LBS

**CAPACITIES**

TOTAL FUEL .....	23.76 GALLONS
USABLE FUEL .....	22.94 GALLONS
MINIMUM OIL .....	3 LITERS

**CONTACT INFORMATION**

VFA .....	(123.3) 802-863-5988
BTV AIRPORT POLICE....	802-658-7663
ATIS .....	(123.8) 802-658-8382
CLEARANCE .....	(119.15)
GROUND .....	(126.3)
TOWER.....	(118.3) 802-657-4402
APPROACH.....	(121.1) 802-657-4401

**LIGHT USAGE**

START / SHUTDOWN .....	NAV
RAMP .....	NAV / LDG*
RUNUP .....	NAV
TAXI .....	NAV / LDG*
CROSS RWY .....	ALL LGTS ON
TAKEOFF / CLIMB .....	ALL LGTS ON
PRAC. AREA .....	ALL LGTS ON
CRUISE .....	NAV / STROBE
DESCENT / LANDING.....	ALL LGTS ON

\*LANDING LIGHT SHALL BE ON WHENEVER AIRCRAFT IS IN MOTION AND OFF WHEN AIRCRAFT IS STOPPED.

NOTE

IF ENVIRONMENTAL CONDITIONS EXIST IN WHICH THE EXTERNAL LIGHTS CREATE A DISTRACTION TO FLIGHT, TURN THE EXTERNAL LIGHTS OFF AS APPROPRIATE.

**PREFLIGHT**

AIRCRAFT LOGBOOK.....	CHECK
AIRCRAFT / PILOT DOCS.....	CHECK
COVERS.....	REMOVE
IGNITIONS .....	OFF
GENERATOR SWITCH.....	OFF
MASTER SWITCH .....	ON
FLAPS .....	CLEAR / DOWN
FUEL GAUGES .....	CHECK
LIGHTS.....	CHECK / OFF
VOLTMETER.....	CHECK (>12V)
MASTER SWITCH .....	OFF
FUEL SELECTOR .....	LESS FULL TANK

**INTERIOR CHECKS COMPLETE**

FUEL QUANTITY .....	CHECKED
FUEL SUMPS/STRAINER ...	CHECKED
FUEL TANKS / CAPS.....	CHECKED
AIRCRAFT EXTERIOR .....	CHECKED
CONTROL SURFACES .....	CHECKED
ENGINE OIL LEVEL .....	CHECKED
LANDING GEAR .....	CHECKED
ALL TIEDOWNS.....	REMOVED
PREHEAT .....	DISCONNECTED
TOWBAR .....	REMOVED
CHOCKS .....	REMOVED

**EXTERNAL CHECKS COMPLETE**

PREFLIGHT. ....COMPLETE

**BEFORE START**

CFI WALK-AROUND .....	VERIFIED
PASSENGER BRIEF .....	SEAT BELTS
DOORS, EMERGENCIES .....	
STERILE COCKPIT .....	
ALL COVERS .PRESENT IN AIRCRAFT	
SEATS / BELTS .....	LOCK / ON
BRAKES .....	CHECK / SET
CIRCUIT BREAKERS .....	IN
FUEL SELECTOR .....	LESS FULL TANK
THROTTLE.....	IDLE
CHOKE .....	AS NEEDED
MASTER SWITCH .....	ON
VOLTMETER.....	CHECK (>12V)
LIGHTS.....	SET
AP MASTER SWITCH.....	OFF
ELECTRIC FUEL PUMP .....	ON

CHECK THE GREEN LIGHT **FUEL PUMP ON** IS ACTIVATED ON THE ANNUNCIATOR PANEL

**ENGINE START**

PROP AREA .....	CLEAR
IGNITION SWITCH .....	START / BOTH
ENGINE STARTED .....	
OIL PRESSURE.....	CHECK
(rise w/in 10 sec. max cold value 100 PSI)	
GENERATOR SWITCH .....	ON
(check yellow light ALT on annunciator panel is OFF)	
VOLTMETER .....	CHECK (>14V)
CHOKE .....	OFF
THROTTLE .....	2000-2200 RPM
FUEL PUMP.....	OFF
FUEL PRESSURE .....	CHECK
(min. 2.2 PSI)	
AP MASTER SWITCH ...	AS REQUIRED
AUTOPILOT .....	TEST IF USING

**BEFORE TAXI**

ENGINE INSTRUMENTS .....	CHECK
FLAPS .....	SET 15°
LIGHTS .....	SET
BRAKE CHECK .....	COMPLETE

**RUN UP**

BRAKES.....	SET
RADIOS / GPS .....	SET
ATIS / WEATHER .....	CHECK
FLT INSTRUMENTS.....	CHECK
FLT CONTROLS.....	FREE / CORRECT
FUEL PUMP.....	ON
FUEL SELECTOR.....	FULLEST TANK
FUEL PRESSURE .....	CHECK
TRIM .....	SET NEUTRAL
ENGINE INSTRUMENTS .....	GREEN
THROTTLE .....	4000 RPM
IGNITION .....	(<315 RPM) CHECK
(max. difference 120)	
ENGINE INSTRUMENTS. ....	CHECK
FUEL PUMP.....	OFF
FUEL PRESSURE .....	CHECK
IDLE .....	CHECK
THROTTLE .....	2000-2200 RPM
ANNUNCIATOR PANEL.....	CHECKED
AUTO PILOT.....	CHECK / OFF
THROTTLE FRICTION LOCK .....	SET
ALTIMETER .....	SET
TRANSPONDER.....	ASSIGNED / SET
TAXI ROUTE.....	BRIEF

**BEFORE TAKEOFF**

SEATS / BELTS .....	LOCK / ON
PRE-TAKEOFF BRIEF .....	COMPLETE
AP MASTER SWITCH.....	OFF
FLAPS .....	SET 15°
DOORS.....	LATCH
BEFORE CROSSING HOLDSHORT LINE	
FUEL PUMP .....	ON
FUEL PRESSURE.....	GREEN ARC
LIGHTS.....	SET

**TAKEOFF**

RUNWAY .....	VERIFY
X-WIND CORRECTION .....	APPLY
THROTTLE.....	FULL OPEN
ROTATE .....	45 KIAS
CLIMB SPEED .....	V <sub>X</sub>

**CLIMB**

FLAPS .....	RETRACT
AIR SPEED.....	V <sub>Y</sub>
THROTTLE .....	FULL OPEN
(Verify below 5500 RPM)	
FUEL PUMP .....	OFF
FUEL PRESSURE.....	GREEN ARC

**CRUISE**

POWER .....	SET
ENGINE INSTRUMENTS.....	CHECK
LIGHTS.....	SET
AP MASTER SWITCH... AS REQUIRED	

**BEFORE LANDING**

ATIS / WEATHER .....	CHECK
ALTIMETERS .....	SET
APPROACH BRIEFING .....	COMPLETE
SEATS / BELTS .....	SECURE
FUEL SELECTOR.....	FULLEST TANK
LIGHTS.....	SET
AP MASTER SWITCH.....	OFF
FUEL PUMP .....	ON

**LANDING**

FLAPS .....	SET
LANDING CLEARANCE.....	VERIFY
FINAL APPROACH SPEED	
FLAPS UP .....	55-65 KIAS
FULL FLAPS (30°).....	50-60 KIAS

### GO AROUND

THROTTLE .....FULL OPEN  
CLIMB SPEED ..... V<sub>x</sub>  
FLAPS ..... 15° IMMEDIATELY  
AIRSPEED ..... V<sub>y</sub>  
FLAPS ..... RETRACT

### AFTER LANDING

TRIM ..... SET FOR TAKEOFF  
FLAPS ..... RETRACT  
FUEL PUMP ..... OFF  
LIGHTS ..... SET

### SHUTDOWN

BRAKES ..... SET  
AP MASTER SWITCH ..... OFF  
THROTTLE ..... IDLE  
IGNITIONS ..... L THEN R THEN OFF  
KEY ..... REMOVE  
LIGHTS ..... SET  
MASTER SWITCH ..... OFF  
GENERATOR SWITCH ..... OFF  
FUEL SELECTOR ..... OFF  
SECURING AIRCRAFT

CHOCKS ..... INSTALL  
TOWBAR ..... REMOVE  
ALL TIEDOWNS ..... SECURE  
ALL COVERS ..... INSTALL  
AIRCRAFT TIMES ..... RECORD  
360° WALK AROUND ..... COMPLETE

### SOFT FIELD TAKEOFF

FLAPS ..... 15°  
THROTTLE ..... FULL OPEN  
ELEVATOR ..... LIFT NOSEWHEEL  
ROTATE ...LOWEST POSSIBLE AIRSPEED  
ACCELERATE ..... V<sub>x</sub> or V<sub>y</sub>  
AT A SAFE ALTITUDE & AIRSPEED: CLIMBING  
FLAPS ..... RETRACT  
AIRSPEED ..... V<sub>y</sub>

### SOFT FIELD LANDING

FLAPS ..... 30°  
APPROACH AIRSPEED ..... 50 KIAS  
IN THE FLARE

ADD POWER TO SOFTEN LANDING

### SHORT FIELD TAKEOFF

FLAPS ..... 15°  
BRAKES ..... SET  
THROTTLE ..... FULL OPEN  
ENGINE INSTRUMENTS ..... GREEN  
BRAKES ..... RELEASE  
LIFT NOSEWHEEL ..... 45 KIAS  
INITIAL CLIMB SPEED ..... 50 KIAS  
(UNTIL CLEAR OF OBSTACLE)

AIRSPEED ..... V<sub>x</sub>  
AT A SAFE ALTITUDE & AIRSPEED: CLIMBING  
FLAPS ..... RETRACT  
AIRSPEED ..... V<sub>y</sub>

### SHORT FIELD LANDING

FLAPS ..... 30°  
APPROACH SPEED ..... 50 KIAS  
AFTER TOUCHDOWN

BRAKES ..... APPLY HEAVILY  
FLAPS ..... RETRACT  
YOKE ..... APPLY BACK PRESSURE

### ENGINE FAILURE

AIRSPEED ... BEST GLIDE (65 KIAS)  
LANDING SITE ..... SELECT  
FUEL SELECTOR... FULLEST TANK  
ELECTRIC FUEL PUMP ..... ON  
IGNITION SWITCH ..... BOTH  
ATC ..... NOTIFY  
SQUAWK ..... 7700

REFER TO AFM 5.1.2

### NO RESTART - FORCED LANDING

AIRSPEED ..... 65 KIAS  
ELECTRIC FUEL PUMP ..... OFF  
IGNITIONS ..... OFF  
FUEL SELECTOR ..... OFF  
COMMUNICATIONS .. AS POSSIBLE  
PASSENGERS BRIEF  
TIGHTEN BELTS/HARNESSES  
WHEN LANDING IS ASSURED:  
FLAPS ..... AS REQUIRED  
MASTER ..... OFF  
DOORS ..... UNLATCH  
BRAKES ..... APPLY HEAVILY

REFER TO AFM 5.5

### ENGINE FIRE (DURING START)

FUEL SELECTOR ..... OFF  
FUEL PUMP ..... OFF  
IGNITIONS ..... OFF  
THROTTLE ..... FULL OPEN  
CABIN HEAT ..... OFF  
MASTER SWITCH ..... OFF  
PARKING BRAKE ..... ENGAGED

**EVACUATE AIRCRAFT**

**OBTAIN FIRE EXTINGUISHER AND  
DISCHARGE INTO FRONT  
OPENINGS OF ENGINE COWLING**

REFER TO AFM 5.4.1

### ENGINE FIRE (IN FLIGHT)

FUEL SELECTOR ..... OFF  
ELECTRIC FUEL PUMP ..... OFF  
THROTTLE ..... FULL FORWARD  
UNTIL ENGINE STOPS  
IGNITIONS ..... OFF  
MASTER SWITCH ..... OFF  
CABIN HEAT / AIR ..... OFF  
EMERGENCY DESCENT .. EXECUTE

REFER TO NO RESTART - FORCED LANDING  
CHECKLIST

### CABIN FIRE (IN FLIGHT)

EMERGENCY DESCENT . EXECUTE  
MASTER SWITCH ..... OFF  
CABIN HEAT / AIR ..... CLOSED  
FIRE EXTINGUISHER .. DISCHARGE  
CABIN AIR ..... OPEN TO VENTILATE

LAND ..... IMMEDIATELY  
REFER TO NO RESTART - FORCED LANDING  
CHECKLIST

### EMERGENCY DESCENT

THROTTLE ..... IDLE  
BANK ..... 45°  
AIRSPEED ..... 113 KIAS  
DETERMINE BEST LANDING AREA  
AND EXECUTE AN EMERGENCY  
LANDING

### WING FIRE

EXTERIOR LIGHTS ..... OFF  
SIDESLIP ..... ESTABLISH

NOTE

PERFORM A SIDESLIP TO KEEP FLAMES AWAY  
FROM THE FUEL TANK AND CABIN. LAND AS  
SOON AS POSSIBLE USING WING FLAPS ONLY  
AS REQUIRED FOR FINAL APPROACH AND  
TOUCHDOWN.

### AMMETER DISCHARGE

GENERATOR SWITCH ..... OFF  
MASTER SWITCH ..... OFF  
GENERATOR SWITCH ..... ON  
MASTER SWITCH ..... ON  
IF AMMETER INDICATES DISCHARGING:

GENERATOR SWITCH ..... OFF  
LAND ..... AS SOON AS PRACTICAL  
REFER TO AFM 5.8.1