

# 601 XL – PRODUCTION GROUND TEST

A/C SERIAL # \_\_\_\_\_

DATE: \_\_\_\_\_

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CH601 XL

## APPROVAL TO PROCEED WITH GROUND TEST PORTION

**Director of manufacturing:** \_\_\_\_\_

**Date:** \_\_\_\_\_

<b>This part of the Program also contains the following documents:</b>	
Std Mfg Procedure (Compass Swing)	
Engine Run-Up – Use POH	
Std.Mfg Procedure (Fuel Leak Test)	
Std Mfg Procedure (Rain Leak Test)	
Std Mfg Procedure (Fuel Gauge Calibration Check)	
Std Mfg Procedure (Conditioning for Brake Linings)	
Weight and Balance Forms	

**601 XL GROUND TEST**

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**PLACE WEIGHT AND BALANCE DOCUMENTATION**

**HERE WHEN COMPLETED FROM**

**Weight & Balance  
Installed equipment list**

**SAMPLE**

## 601 XL GROUND TEST

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*All deficiencies found during ground test must be entered on the ground test snag list. If no deficiencies are found state so on the same snag list.*

### GROUND TEST ONLY

- Tire pressure (visual)
- Wheel fairing (option)
- Spinner (option)
- Cowl - fasteners
- Oil quantity (+markings)
- Exhaust secure
- Fuel cap(s) - vent(s)
- Fuel drains
- Fuel Leak Test - Ref. Std. Procedure
- Horizontal tail + trim tab
- Vertical tail
- Ailerons + flaps - Ref. Std. Procedure
- Stall warning (option)
- All inspection panels secured
- Landing light (option)
- Taxi light (option)
- Strobe L+R (option)
- Position light L+R (option)

#### **Check:**

- Canopy, locks, keys
- Seat belts + harness
- Controls (stick, pedals + brakes)
- Trim - Movement + Indicator position
- Flaps - Movement + Indicator position
- Engine (throttle, choke and carburetor heat)
- Ventilation Function
- Hot air Function (option)
- Switches + fuse Function
- Auxiliary fuel pump Function

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Fuel valve Function

Fuel gauge calibration - Ref. Std. Procedure

Compass Swing - Ref. Std. Procedure

Engine Run-Up - Ref. POH

Brake Conditioning - Ref. Std. Procedure

Stall warning horn Function (option)

Instrument markings (Use POH)

Instrument calibration if required. (Use POH)

Placards (Use POH)

Fire extinguisher installed (option)

Perform rain leak test (Follow Std. Procedure)

Perform fuel leak test (Follow Std. Procedure)

Perform Fuel gauge test. (Follow procedure and complete form)

Altimeter: Set Zp=0m      Read P=\_\_\_\_\_ bar

Set P=1,013bar      Read Zp=\_\_\_\_\_ ft

Airport altimeter      Zpa=\_\_\_\_\_ ft

Press=\_\_\_\_\_ bar

Temp=\_\_\_\_\_ °C

## Start engine:

Master ON

Aux. fuel pump ON

Choke CLOSED

Carb Heat OFF

Throttle, IDLE

Mag. Key on START

Check oil pressure = \_\_\_\_\_ bar (Range in POH)

Engine clock time \_\_\_\_\_

**601 XL GROUND TEST**

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**Warm up initially at 2000 RPM then continue to 2500-2750 RPM. Check:**

- Check oil pressure = \_\_\_\_\_ bar (In 1,5 – 4,0 bar range)
- Check oil temperature = \_\_\_\_\_ °C (In 90 – 110°C range)
- Check water temperature = \_\_\_\_\_ °C (In 80 – 110°C range)
- Flaps UP

**At 4000 RPM. Check:**

- Magneto 1 : RPM= \_\_\_\_\_ (Range -300 RPM drop)
- BOTH: RPM= \_\_\_\_\_ (Range 4000 RPM)
- Magneto 2 : RPM= \_\_\_\_\_ (Range -300 RPM drop)
- BOTH: RPM= \_\_\_\_\_ (Range 4000 RPM)
- Carb heat ON: RPM= \_\_\_\_\_ (Range - 50 - 100 RPM drop)
- Check oil pressure = \_\_\_\_\_ bar (In 1,5 – 4,0 bar range)
- Check oil temperature = \_\_\_\_\_ °C (In 90 – 110°C range)
- Check water temperature = \_\_\_\_\_ °C (In 80 – 110°C range)
- Throttle idle \_\_\_\_\_ RPM
- Carb heat cold \_\_\_\_\_ RPM
- Choke OPEN (check)
- Check static RPM full power. Wind left \_\_\_\_\_ RPM
- Wind right \_\_\_\_\_ RPM

**Taxi Check:**

- Steering
- Run in brakes
- Check brakes
- Adjust trim for Take Off. Check travel.
- Check canopy locked
- Controls free / full travel / correct motion / friction
- Compass swing - (Follow Procedure. Do not enter in log books. Q.C. will enter)

INSERT HERE:

FOR	N	30	60	E	120	150	S	210	240	W	300	330
STEER												

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