

# NORMAL CHECKLIST DA 40 „TDI

## PREFLIGHT

Outside check .....completed  
 Inside Check.....completed  
 Rudder Pedals and Seat belts .....set & fastened  
 Canopies .....closed & locked  
 Fuel selector ..... normal  
 Avionic Switch..... off

## ENGINE START

Electric Master.....on  
 Annunciator Panel .....reset  
 Water Level Warning ..... check off  
 Strobes.....on  
 Throttle.....closed  
 Engine Master..... on, wait until Glow off  
 Electric Master ..... Start  
 Oilpressure .....green arc  
 Amps Meter..... checks  
 Warning Lights..... off

## AFTER STARTING ENGINE

Avionic Switch.....on  
 All Instruments ..... set & checked

## DURING TAXIING

Brakes .....checked  
 Instruments .....checked  
 Controls ..... check free

This Checklist is a summary from the POH and as such does not replace the normal procedures.

## RUN - UP

Throttle ..... Full Power (max. 10 sec)  
 Oil pressure ..... checked @ full power  
 RPM ..... min. 2240 RPM, max. 2300 RPM  
 Load Indicator ..... min. 90%; max. 100%  
 Throttle idle ..... 890 RPM (+/- 20)  
 ECU Test ..... perform  
 ECU Swap B ..... checked  
 Annunciator Panel..... off  
 Flaps..... checked

## BEFORE TAKEOFF

Dep. & Emer. Briefing ..... completed  
 Annunciator Panel..... off  
 ECU Swap B ..... Automatic  
 Electr. Trim.....checked, neutral  
 Windows ..... closed  
 Flaps..... T/O

## CLEARED FOR TAKEOFF

Transponder.....ALT  
 Directional Gyrol ..... checked

## SPEEDS

V<sub>x</sub> ..... 66 KIAS  
 V<sub>y</sub> Flaps "T/O" ..... 66 KIAS  
 Cruise Climb..... 73 KIAS  
 V<sub>REF</sub> Flaps LDG @ 1150 kg ..... 71 KIAS  
 V<sub>REF</sub> Flaps LDG @ 1000 kg ..... 63 KIAS  
 V<sub>REF</sub> Flaps T/O @ 1150 kg..... 74 KIAS  
 V<sub>REF</sub> Flaps T/O @ 1000 kg..... 66 KIAS  
 Best Glide..... 73 KIAS

# WESTFLUG AACHEN

## CRUISE

Transfer Pump ..... on as required  
 Load Indicator ..... 70%

## AFTER TAKEOFF

Flaps ..... up  
 Throttle..... max Power

## BEFORE LANDING

Appr. Briefing..... completed  
 V<sub>REF</sub>/V<sub>TGT</sub> ..... / Kts  
 Transfer Pump ..... on as required

## FINAL

Flaps ..... set

## AFTER LANDING

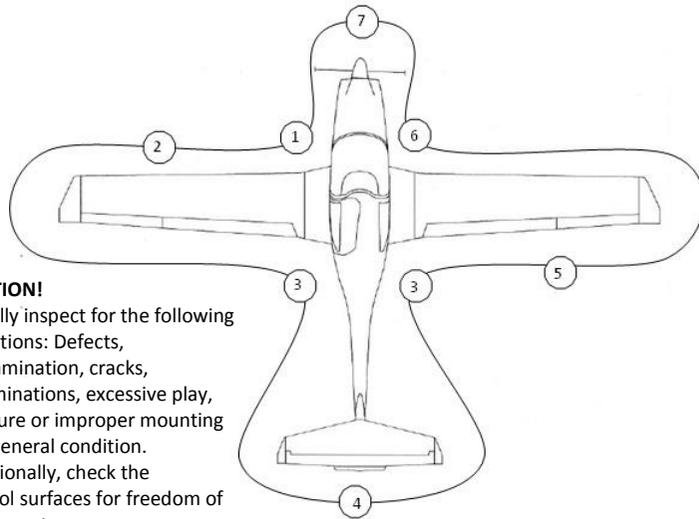
Transponder ..... SBY  
 Flaps ..... up  
 Trim ..... neutral  
 Transfer Pump ..... off

## SHUTDOWN

Throttle..... idle min 2 minutes  
 Avionic Switch ..... off  
 Engine Master..... off  
 All Lights & switches ..... off  
 Electric Master..... off  
 Parking Brake..... as required

# OUTSIDE CHECK DA 40 „TDI“

# WESTFLUG AACHEN



**CAUTION!**  
Visually inspect for the following conditions: Defects, contamination, cracks, delaminations, excessive play, insecure or improper mounting and general condition. Additionally, check the control surfaces for freedom of movement

### 1. Left Main Landing Gear

- a) Landing Gear Strut .....visual inspection
- b) Tire Pressure (2.5 bar) ..... check
- d) Tire, Wheel, Brake .....visual inspection

### 2. Left Wing

- a) Entire Wing .....visual inspection
- b) Stall Warning..... check (suck on opening)
- c) Pitot-Static Probe ..... clean, holes open
- d) Tie down .....remove
- e) Taxi and Landing Lights .....visual inspection
- f) Wing Tip, Position Lights and Strobe..... visual inspection
- g) Stall strip .....visual inspection
- h) Aileron .....visual inspection
- i) Wing Flap ..... visual inspection

### 3. Fuselage

- a) Skin .....visual inspection
- b) Tank .....Vent check
- c) Tank Drain .....drain water
- d) Fuel Quantity ..... visual inspection (use fuel pipette)
- e) Antennas .....visual inspection

### 4. Empennage

- a) Stabilizers and Control Surfaces .....visual inspection
- b) Tie down ..... remove
- c) Trim Tabs..... visual inspection

### 5. Right Wing

- a) Entire Wing .....visual inspection
- b) Wing Flap .....visual inspection
- c) Aileron .....visual inspection
- d) Stall strip .....visual inspection
- e) Wing Tip, Position Lights and Strobe..... visual inspection
- f) Tie down ..... remove

### 6. Right Main Landing Gear

- a) Landing Gear Strut .....visual inspection
- b) Tire Pressure (2.5 bar) ..... check
- d) Tire, Wheel, Brake .....visual inspection

### 7. Nose

- a) Oil ..... check level by using dip-stick markings
- b) Gear Oil level ..... check level must be between dip-stick markings
- c) Cowling .....visual inspection
- d) Air Intakes (five) .....free
- e) Propeller .....visual inspection, Ground Clearance, approx. 25 cm
- f) Spinner .....visual inspection
- g) Nose Gear ..... visual inspection, towbar removed
- h) Tire Pressure ..... (2 bar) check
- i) Tire and Wheel .....visual inspection