

PREFLIGHT INSPECTION

| | |
|--------------------|-------------|
| 1 Fuel Tank Sump | DRAIN |
| 2 A/C Documents | ACCESSIBLE |
| 3 Checklists | ACCESSIBLE |
| 4 Parking Brake | SET |
| 5 Ignition Key | REMOVE |
| 6 Foreign Objects | REMOVE |
| 7 All CB's | IN PRESSED |
| Battery Master | ON |
| Fuel Quantity | CHECK |
| Map Light | OPERATIONAL |
| Instrument Lights | OPERATIONAL |
| Flaps Indicator | OPERATIONAL |
| Battery Master | OFF |
| Trottle | IDLE |
| 15 Prop High RPM | FULL FWD |
| 16 Carburetor Heat | OFF |
| 17 ELT | ARM/AUTO |
| 18 Temp Indicator | CHECKED |
| 19 Baggage Stowed | SECURE |
| 20 Canopy Clean | NO DAMAGE |

1. Left Main Gear

| | |
|------------------------|----------|
| 21 Wheel Fairing/Strut | VIS INSP |
| 22 Tire Press/Slip Mkr | CHECK |
| 23 Tire/Wheel/Brake | VIS INSP |
| 24 Chocks | REMOVE |

2. Left Wing

| | |
|--------------------------|----------|
| 25 Entire Wing | VIS INSP |
| 26 Stall Warning | CHECK |
| 27 Pitot / Stat Opening | CLEAR |
| 28 Wing Tip / Bala. Mass | VIS INSP |
| 29 Pos Light | CHECK |
| 30 Flap | VIS INSP |
| 31 Wing Tiedown | DISCON |
| 32 Aileron Window | VIS INSP |

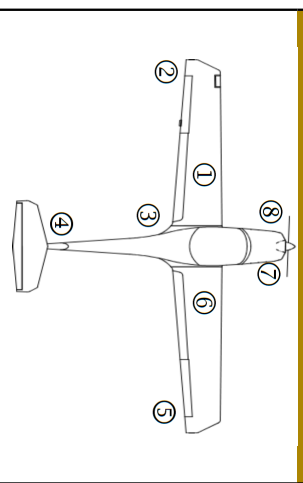
3. Fuselage

| | |
|------------------|----------|
| 33 Skin | VIS INSP |
| 34 Tank Vent | CHECK |
| 35 Tank Drain | CONFIRM |
| 36 Fuel Quantity | PIPETTE |

4. Empennage

| | |
|-------------------------|----------|
| 37 Fin & Contr. Surface | VIS INSP |
| 38 Skid Plate | VIS INSP |
| 39 Tail Tiedown | DISCON |
| 40 Trim Tab | VIS INSP |

EXTERIOR CHECK






| Pressure Altitude ft. m | Standard Temp. °C °F | Engine power in % of max. continuous power. | | | | | | | | | | | |
|------------------------------|---------------------------|---|-------------------|-------------------|---------------------|-------------|-------------------|-------------------|---------------------|-------------|-------------------|-------------------|---------------------|
| | | 55 % | | | | 65 % | | | | 75 % | | | |
| | | RPM *100 | MP in. Hg | Fuel Flow l/h | Fuel Flow gal/hr | RPM *100 | MP in. Hg | Fuel Flow l/h | Fuel Flow gal/hr | RPM *100 | MP in. Hg | Fuel Flow l/h | Fuel Flow gal/hr |
| 0 | 0 | 19 | 24.7 | 13.6 | 3.6 | 20 | 25.7 | 15.6 | 4.1 | 21 | 27.0 | 18.0 | 4.8 |
| 2000 | 600 | 19 | 24.0 | 14.4 | 3.8 | 20 | 24.7 | 16.0 | 4.2 | 22 | 25.7 | 18.4 | 4.9 |
| 4000 | 1200 | 19 | 23.3 | 15.6 | 4.1 | 21 | 23.3 | 16.8 | 4.4 | 22.6 | 24.3 | 19.6 | 5.2 |
| 6000 | 1800 | 20 | 22.0 | 16.8 | 4.4 | 22 | 22.7 | 19.6 | 5.2 | 22.6 | 23.3 | 23.2 | 6.1 |
| 8000 | 2400 | 21 | 21.0 | 18.0 | 4.8 | 22 | 21.7 | 21.2 | 5.6 | 22.6 | 22.0 ^x | 23.6 ^x | 6.2 ^x |
| 10000 | 3000 | 22 | 19.7 | 19.2 | 5.1 | 22.6 | 20.3 ^x | 22.4 ^x | 5.9 ^x | | | | |
| 12000 | 3600 | 22.6 | 18.0 ^x | 20.4 ^x | 5.4 ^x | | | | | | | | |

| Pressure Altitude ft. m | Standard Temp. °C °F | 85 % | | | | 95 % | | | | 105 % | | | |
|------------------------------|---------------------------|-------------|-------------------|-------------------|---------------------|-------------|-------------------|-------------------|---------------------|-------------|-------------------|-------------------|---------------------|
| | | RPM *100 | MP in. Hg | Fuel Flow l/h | Fuel Flow gal/hr | RPM *100 | MP in. Hg | Fuel Flow L/h | Fuel Flow gal/hr | RPM *100 | MP in. Hg | Fuel Flow l/h | Fuel Flow gal/hr |
| 0 | 0 | 22.6 | 27.7 | 22.0 | 5.8 | 22.6 | 28.3 | 26.0 | 6.9 | 23.8 | 29.7 ^x | 30.0 ^x | 7.9 ^x |
| 2000 | 600 | 22.6 | 26.7 | 22.4 | 5.9 | 22.6 | 27.7 ^x | 26.8 ^x | 7.1 ^x | | | | |
| 4000 | 1200 | 22.6 | 25.7 ^x | 25.2 ^x | 6.7 ^x | | | | | | | | |

Consult POH/AFM for "Warnings, Cautions and additional Information"
This document does not replace POH/AFM - (ARW 2026 V1.4)

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| LANDING | |
|-----------------|--|
| 1 | Airspeed (V _{FE}) Max. 81 KIAS |
| 2 | Flaps T/O |
| 3 | Lap Belt TIGHTEN |
| 4 | Fuel Pump ON |
| 5 | Landing Light AS REQ |
| 6 | Carburetor Heat PULL ON |
| 7 | Throttle AS REQ |
| 8 | Trim AS REQ |
| 9 | Flaps  LDG |
| 10 | Fin. Appr. Spd.  60 KIAS |
| 11 | Prop FULL FWD |
| Throttle | FULL FWD |
| Prop | FULL FWD |
| Carburetor Heat | PUSH (OFF) |
| Flaps | T/O |
| Climb Airspeed | 58 KIAS |

 **CAUTION:** Strong cross/head winds may require less flaps/higher airspeeds

| AFTER LANDING | |
|---------------|----------------------------|
| 1 | Throttle AS REQ |
| 2 | Flaps UP |
| 3 | Carburetor Heat PUSH (OFF) |
| 4 | Fuel Pump OFF |
| 5 | Landing Light OFF |
| 6 | XPDR GND Mode CHECK |

| 5. Right Wing | | |
|---------------|-----------------------|----------|
| 41 | Entire Wing | VIS INSP |
| 42 | Wing Tip / Bala. Mass | VIS INSP |
| 43 | Pos Light | CHECK |
| 44 | Flap | CHECK |
| 45 | Wing Tiedown | DISCON |
| 46 | Alleron Window | VIS INSP |

| 6. Right Main Gear | | |
|--------------------|---------------------|----------|
| 47 | Wheel Fairing/Strut | CHECK |
| 48 | Tire Press/Slip Mkr | CHECK |
| 49 | Tire/Wheel/Brake | VIS INSP |
| 50 | Chocks | REMOVE |

| 7. Nose Section / Cowling | | |
|---------------------------|--|-------------|
| 51 | Ignition | CHECK OFF |
| 52 | Parking Brake | SET |
| 53 | Prop GND Clearance | 25 CM |
| 54 | Crank Engine  | CHECK NOISE |
| 55 | Oil level/diff. 0.45L | CHECK |
| 56 | Coolant Level | VIS INSP |
| 57 | Cowling | VIS INSP |
| 58 | Air+Cooler Intakes | FREE |
| 59 | Prop Damage | CHECK |
| 60 | Propeller/Spinner | VIS INSP |

| 8. Nose Ldg Gear | | |
|------------------|---------------------|----------|
| 61 | Wheel Fairing/Strut | CHECK |
| 62 | Gear Strut Mount | VIS INSP |
| 63 | Tire Pressure | CHECK |
| 64 | Tire/Wheel | VIS INSP |
| 65 | Tow Bar | REMOVE |

| BEF. ENGINE START | | |
|-------------------|----------------------|-----------|
| 1 | Preflight Check | COMPL |
| 2 | Passenger Briefing | COMPL |
| 3 | Pedals | ADJUST |
| 4 | Seat Belts / Harn. | FASTEN |
| 5 | Canopy Closed | LOCK |
| 6 | Parking Brake | SET |
| 7 | Controls Movement | CHECK |
| 8 | Fuel Shut-Off Valve | OPEN |
| 9 | Trim | NEUTRAL |
| 10 | Carburetor Heat | FREE-IDLE |
| 11 | Throttle | FREE-IDLE |
| 12 | Prop RPM | FULL FWD |
| 13 | Friction Device | ADJUST |
| 14 | Avionic - Master | OFF |
| 15 | All CBs | CHECK |
| 16 | Battery Master | ON |
| 17 | Gen. Warning Light | ILLUMIN |
| 18 | Fuel Warning Light | ILLUMIN |
| 19 | Canopy Warning Light | OFF |
| 20 | ACL | ON |

| ENGINE START | | |
|--------------|----------------------|------------|
| 1 | Before Start Check | COMPL |
| 2 | Fuel Pump | ON |
| 3 | Fuel Pump Noise | CHECK |
| 4 | Fuel Warning Light | OFF |
| COLD | Throttle - when cold | IDLE |
| COLD | Choke - when cold | PULL/HOLD |
| HOT | Throttle - when hot | 2 cm OPEN |
| HOT | Choke - when hot | PUSH |
| 6 | Brakes Both Pedals | PRESS |
| 7 | Prop Area | CLEAR |
| 8 | Ignition | START/BOTH |
| 9 | Oil Press < 10 sec | RISING |
| 10 | Gen. Warning Light | OFF |
| 11 | Fuel Pump | OFF |
| 12 | Fuel Warning Light | OFF |

| BEFORE TAKEOFF | | |
|----------------|----------------------|----------------|
| 1 | Transponder | SET ALT |
| 2 | Brakes Both | APPLY |
| 3 | Parking Brake | SET |
| 4 | Compass/G5 | CHECK/SET |
| 5 | Fuel Warrng Light | OFF |
| 6 | Engine Instruments | IN GREEN |
| 7 | Throttle | 1700 rpm |
| | L - B - R - B | SWITCH |
| | Drop max: 120 rpm | CHECK |
| | Diff L/R max 50 rpm | CHECK |
| | Ignition Switch Both | CONFIRM |
| 12 | Carburetor pull (on) | DROP 20-50 rpm |
| 13 | Carburetor | PUSH (OFF) |
| | Prop RPM | PULL 3X |
| | → Drop | 200 ±50 rpm |
| | → Oil Press | CONSTANT |
| | → Manifold Press | CHANGE |
| 18 | Throttle | IDLE |
| 19 | Fuel Pump | ON |
| 20 | RPM 2300 +/-100RPM | CHECK |
| 21 | Trim | NEUTRAL |
| 22 | Flaps | T/O |
| 23 | All CBs | CHECK |
| 24 | Contr. Movement | FREE |
| 25 | Lap Belt | TIGHTEN |
| 26 | Departure Briefing | COMPL |
| 27 | T/O Briefing | COMPL |
| 28 | Parking Brake | RELEASE |

| LINE UP / TAKEOFF | | |
|-------------------|-----------------------------|----------------|
| 1 | Before T/O Check | COMPL |
| 2 | Landing Light | AS REQ |
| 3 | Approach Sector | CLEAR |
| 4 | Runway Heading | CONFIRM |
| 5 | Throttle/Prop | FULL FWD |
| 6 | Prop RPM 2260-2385 | CHECK |
| 7 | T/O Power Values | CORRECT |
| 8 | Elevator | NEUTRAL |
| 9 | Rudder | DIRECTION |
| 10 | Rotate (V _R) | 51 KIAS |
| 11 | Climb Initially | 58 KIAS |
| 12 | Short T/O (V _X) | 58 KIAS |

| CLIMB | | |
|-------|-------------------------------|----------------|
| 1 | Throttle | FULL |
| 2 | Prop full forward | MAX 5 MIN |
| 3 | Prop 2260 rpm | REDUCE |
| 4 | Engine Instruments | IN GREEN |
| 5 | Climb Speed (V _Y) | 65 KIAS |
| 6 | min. 400 ft AGL | CHECK Safe Spd |
| 7 | Flaps | UP |
| 8 | Climb Speed (V _Y) | 70 KIAS |
| 9 | Trim | AS REQ |
| 10 | Landing Light | OFF |
| 11 | Fuel Pump | OFF |
| 12 | Fuel Warning Light | CHECK |

| CRUISE | | |
|--------|----------------------------------|-----------------|
| 1 | Throttle | CHECK TABLE |
| 2 | Prop | CHECK TABLE |
| 3 | Flaps | CHECK UP |
| 4 | Trim | AS REQ |
| 5 | Position Light | CHECK OFF |
| 6 | Engine Instruments | IN GREEN |
| 7 | Manvr. Speed (V _A) | 104 KIAS |
| 8 | Turbulent Air (V _{No}) | 117 KIAS |

Full Throttle: → Prop min. 2140 rpm

| DESCENT | | |
|---------|--------------------|-----------------|
| 1 | Altimeter | SET |
| 2 | Throttle | AS REQ |
| 3 | Prop RPM | 1700-2260 |
| 4 | Carburetor Heat | PULL ON |
| | Throttle | IDLE |
| | Prop RPM | 2260 |
| | Carburetor Heat | PULL ON |
| | Flaps | UP |
| | Airspeed Max. | 117 KIAS |
| | Engine Instruments | IN GREEN |