

## LN-AGM/AGW

### BEFORE STARTING ENGINE

Preflight Inspection ..... COMPLETE  
Passenger briefing ..... COMPLETE  
Aircraft Log ..... DI/HOLD ITEM  
Aircraft documents ..... ON BOARD  
Tow Rod/Wheel Blocks ..... REMOVED  
Doors ..... CLOSE  
Seats & Seat Belts ..... ADJ. AND LOCK  
Avionics Switch ..... OFF  
Electrical Equipment ..... OFF  
Circuit Breakers ..... CHECK IN  
Parking Brake ..... SET  
Fuel Selector ..... BOTH  
Fuel Shutoff valve ..... IN (ON)

### STARTING ENGINE

Throttle ..... OPEN 1/2CM  
Mixture ..... IDLE CUT OFF  
Propeller area clear ..... Check  
Engine Fire Procedure ..... BRIEF  
Master Switch ..... ON  
Beacon ..... ON  
Prime *(If engine is warm, omit priming)*  
Fuel pump ..... ON  
Mixture ..... FULL RICH 3-5 SEC, THEN CUTOFF  
Fuel pump ..... OFF

Starter ..... ENGAGE  
Mixture Control ..... IN smoothly when eng. Starts  
Throttle ..... 1000 RPM  
Oil Pressure ..... CHECK  
Nav Light ..... as required  
Avionics sw. .... ON

### TAXI CHECK

Lean to max rpm at ..... 1000 rpm  
Brakes/Steering ..... CHECK OPERATING  
Turn Coordinator ..... CHECK OPERATING  
Gyro ..... CHECK OPERATING

### GROUND CHECK

Parking brake ..... SET  
ATIS/Start-up request ..... CHECK  
Altimeter ..... ALT SET  
Autopilot if required ..... ALT SET  
Belts/Seats ..... FASTENED/UPRIGHT-SECURE  
Doors ..... LOCKED  
Controls ..... FREE AND CORRECT  
Flight Instruments ..... NORMAL  
Fuel quantity ..... CHECK  
Mixture ..... RICH  
Throttle ..... 1800 RPM  
Magnetos ..... R-BOTH-L-BOTH  
Max drop 150 rpm, Max diff. 50 rpm  
Vacuum ..... CHECK  
Oil Temp & Pressure & amp. .... CHECK  
WARNING LIGHT ..... CHECK  
Throttle ..... IDLE, THEN 1000 RPM

Lean to max rpm at ..... 1000 rpm  
Transponder on and alt. .... SET  
Trim ..... SET FOR TAKE-OFF  
NAV GPS SW ..... SET

Autopilot ..... OFF  
T/O & Climb-Out Procedure ..... BRIEF  
Engine Failure Procedure ..... BRIEF

### HOLDING / LINE UP

Flaps ..... 0-10 deg  
Landing Lights ..... ON  
ON RWY:  
Strobe Lights ..... ON  
Mixture ..... RICH  
Gyro rwy heading ..... CHECK

### CRUISE

Flaps ..... up at 500 ft  
Landing lights ..... OFF  
Power ..... 2400 RPM  
Mixture ..... LEAN

### APPROACH / LANDING

Fuel Selector ..... BOTH  
Mixture ..... FULL RICH  
Landing Light ..... ON  
Magnetos ..... BOTH  
Autopilot ..... OFF  
Belts/Harness ..... FASTEN

### GO AROUND

Throttle ..... FULL  
Climb speed ..... 60 KTS  
Positive climb ..... Flaps 10 deg  
Flaps ..... UP (after safe alt. and 65 kts)

### AFTER LANDING

Flaps ..... RETRACT  
Landing Light ..... OFF  
Strobe lights ..... OFF  
Transponder ..... OFF

### STOPPING ENGINE / PARKING

Parking Brake ..... SET  
Throttle ..... IDLE  
Electrical equipment ex beacon ..... OFF  
Avionics ..... OFF  
Magnetos OFF/ON ..... CHECK  
Mixture ..... IDLE CUT-OFF  
Magnetos ..... OFF  
Master Switch ..... OFF  
Beacon ..... OFF  
Fuel selector ..... LEFT OR RIGHT  
Fuel Shutoff valve ..... OUT  
Magneto/Key Glare Shield ..... CHECK

### FIRE DURING START UP

#### If engine does not start

Engine ..... CRANK  
Mixture ..... IDLE CUT-OFF  
Throttle ..... OPEN  
Fuel Shutoff valve ..... PULL  
Fire extinguisher ..... READY

#### If engine starts

Engine rpm ..... 1700 rpm 2 min  
Mixture ..... IDLE CUT-OFF  
Fire extinguisher ..... READY

### ENGINE FAILURE - TAKE OFF

#### On runway

Throttle ..... RETRACT  
Brake ..... STRAIGHT AHEAD

#### Over runway

Nose ..... DOWN  
Throttle ..... RETRACT  
Flaps ..... AS NEEDED  
Land ..... STRAIGHT AHEAD

#### At more than 700 feet agl

Nose ..... DOWN  
Turn ..... INTO THE WIND  
Throttle ..... RETRACT  
Return to runway ..... EVALUATE  
Flaps ..... AS NEEDED  
ELT ..... ON  
Radio ..... MAYDAY  
Shut-down ..... ALL RED  
Doors ..... OPEN  
Seatbelts ..... TIGHTEN

### ENGINE FAILURE – EN ROUTE

Airspeed ..... 65 KT  
Fuel Shutoff valve ..... ON  
Fuel Selector ..... Both  
Fuel Pump ..... ON  
Mixture ..... FULL RICH  
Magnetos ..... BOTH

Landing area (keypoint) ..... IDENTIFY  
Radio ..... MAYDAY  
ELT ..... ON  
Transponder ..... 7700  
Shut-down ..... ALL RED  
Doors ..... OPEN  
Seatbelts ..... TIGHTEN

### FIRE EN ROUTE

Engine fire  
Mixture ..... OFF  
Fuel shutoff valve ..... OFF  
Fuel pump ..... OFF  
Master switch ..... OFF

### Electrical Fire

Master switch ..... OFF  
Vents/Cabin heat ..... CLOSED  
Fire extinguisher ..... ACITVATE

### ALTERNATOR FAILURE

Master switch ALT ..... OFF  
Electrical load ..... REDUCE  
Alternator Circuit Breaker ..... CHECK IN  
Master Switch ALT ..... ON  
No charge ..... LAND AS SOON AS POSSIBLE

#### NOTE:

PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRPLANE FLIGHT MANUAL SHALL TAKE PRECEDENCE IN CASE OF CONFLICT

#### Memory items

Normal procedures

Emergency procedures

## Gardermoen Flyklubb LN-AGM/AGW

V<sub>s</sub> ..... 53 KT  
V<sub>SO</sub> ..... 48 KT  
V<sub>x</sub> ..... 62 KT  
V<sub>y</sub> ..... 74 KT  
V<sub>A</sub> ..... 90-105 KT  
V<sub>BEST GLIDE</sub> ..... 70 KT  
V<sub>R</sub> ..... 55 KT

Fuel ( usable ) ..... 53 gal / 200 lt  
Fuel at fillerneck ..... 130 lt  
Oil capacity ..... 7,5 lt / 8 quarts  
Oil minimum ..... 5 quarts  
Empty weight AGM ..... 1716 lbs / 780 kg  
Empty weight AGW ..... 1722 lbs / 783 kg  
Max T/O weight ..... 2550 lbs / 1156 kg

#### Take-off & climb out procedure

- Full throttle
- 2300 rpm minimum
- All green on engine instruments
- Rotate at 55 KT
- Climb speed 80 KT
- Start turn at 500' AGL
- VFR-route –reporting point