



Hanscom Aero Club Safety Meeting

21 Aug 2019



Outline

- **Aircraft Status & Reminders form Maintenance**
- **Engine Hot Starting**
- **KBED Ramp/Taxiway Closures**



Aircraft Status

- **N36120 – Down (new paint)**
 - back in October but then right into Annual
- **N43128 – Down (upgrades)**
 - New Garmin G5 DG/HIS
 - Avidyne 440 + AXP 340 Transponder
 - Compass upgrade to Vertical Compass
 - Up hopefully next week
 - N36802 to get similar upgrade later this year, + hopefully new interior
- **Maintenance reminders**
 - Scott continues to find pens/pencils and other FOD in cockpit
 - Please check cockpit and clean out prior to leaving
 - Close the side/vent window when done (rain entering interior)
 - **Chock the wheels! The yellow wheel lock is NOT a chock!**



Engine Hot Starting

- **Starting an engine when it hasn't had time to cool off**
 - 20 min – 2 hrs after shutdown
- **Procedures different based on manufacturer and engine type**
 - Carbureted (Warrior)
 - Fuel Injected (Arrow)
- **Recent informational video from ASI:**
 - <https://youtu.be/8frPSeHJWkk>



Hot & Flooded Starting (PA-28-161 and PA-28R-201)

- POH Section 4.13 (b) and (c) in respective POH's for expanded detail
- Starter duty cycle:
 - “Starter manufacturers recommend that cranking periods limited to 30 sec with 2-min rest between cranking periods”

WARRIOR

ARROW III

STARTING ENGINE WHEN HOT

Throttle 1/2" open
 Master switch ON
 Electric fuel pump ON
 Mixture full RICH
 Starter..... engage
 Throttle adjust
 Oil pressure check

STARTING ENGINE WHEN FLOODED

Throttle open full
 Master switch ON
 Electric fuel pump OFF
 Mixture idle cut-off
 Starter..... engage
 Mixture advance
 Throttle retard
 Oil pressure check

NORMAL START - HOT ENGINE (4.13b)

Throttle.....1/2 INCH OPEN
 ALTR SwitchON
 BATT MASTR SwitchON
 Electric Fuel PumpON
 Mixture.....IDLE CUT-OFF
 PropellerCLEAR
 Starter... ..ENGAGE
 Mixture.ADVANCE
 Throttle.ADJUST
 Oil PressureCHECK

ENGINE START WHEN FLOODED (4.13c)

Throttle.....FULL OPEN
 ALTR SwitchON
 BATT MASTR Switch.....ON
 Electric Fuel PumpOFF
 Mixture.....IDLE CUT-OFF
 PropellerCLEAR
 Starter... ..ENGAGE
 Mixture.ADVANCE
 Throttle.....RETARD
 Oil PressureCHECK



KBED Ramp/Taxiway Closures

- MASSPORT ramp area construction beginning 12 Aug
- To last ~40 days (until ~22 Sept)
- 5 phases total (this is phase 1), most work to finish in Oct 2019





KBED Ramp/Taxiway Closures (in context)

