

ENGINE STARTING TIPS

Prime 3 to 5 seconds after fuel pump caution light extinguishes. If engine does not fire after 5 to 7 seconds of cranking, repeat priming sequence and reattempt start. If engine fires momentarily but dies before or while moving mixture to rich, pull mixture off, engage starter, and push mixture slowly rich while cranking. If engine fails to start after three attempts, allow starter to cool ten minutes before next attempt.

With a hot engine, it may be helpful to cool fuel in lines by running fuel pump for 30 seconds with mixture OFF prior to beginning start procedure (hold key in prime position).

STARTING ENGINE AND RUN-UP

Throttle Closed
Battery, strobe switches ON
Area Clear
Mixture Rich
Ignition switch Prime, then Both
Mixture Pull OFF
Starter Engage until engine fires
Mixture Move full rich
Mixture guard Installed
Starter-On light Out
Set engine RPM 50 to 60%
Clutch switch Engaged
Blades turning Less than 5 seconds
Alternator switch ON
Oil pressure within 30 seconds 25 psi minimum
Avionics, headsets ON
Annunciator panel test (if equipped) All lights on
Audio alert (if equipped) Test
Wait for clutch light out Circuit breakers in
Warm-up RPM 60 to 70%
Engine gages Green
Mag drop at 75% RPM 7% max in 2 seconds
Sprag clutch check Needles split
Doors (if installed) Closed and latched
Limit MAP chart Check
Cyclic/collective friction OFF
Hydraulic system Check
Governor On, increase throttle RPM 101-102%
Warning lights Out
Lift collective slightly, reduce RPM Horn/Light at 97%