Subject : Engine starting with warm engine, problems when stopping the engine

Effectivity : DG-1000T

Accomplishment : If necessary

Reason :

1. Some DG-1000T engines refuse to be restarted on the ground when still warm.
2. The DG-1000T engine has separate ignition units per cylinder. In the case of the shorting circuit of 1 ignition coil failing “open circuit”, the engine will continue running roughly on one cylinder after switching off the ignition. The strong vibrations may cause false switching of the limit switch which stops the engine retraction in the position to slow down the propeller. If this happens the engine will retract further and the propeller stopper will be moved forward and collide with the rotating propeller.

Instructions :

1. If you start the engine on the ground don’t stop it again if possible. If stopping the engine can’t be avoided we recommend not to switch off the ignition but to close the fuel cock with the engine running at idle. When the engine RPM starts rising (engine runs lean) switch off the ignition. When the engine has stopped open the fuel cock again.
   If you want to start the engine immediately after stopping this will be easier if the fuel cock is still closed. As soon as the engine runs and accepts throttle, open the fuel cock again.
2. If you detect that after switching off the ignition the engine continues running, immediately switch on the ignition again and stop the engine by closing the fuel cock. When the engine has stopped switch off the ignition and retract the engine with the normal procedure, open the fuel cock again. Fix the defect prior to the next take-off.

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