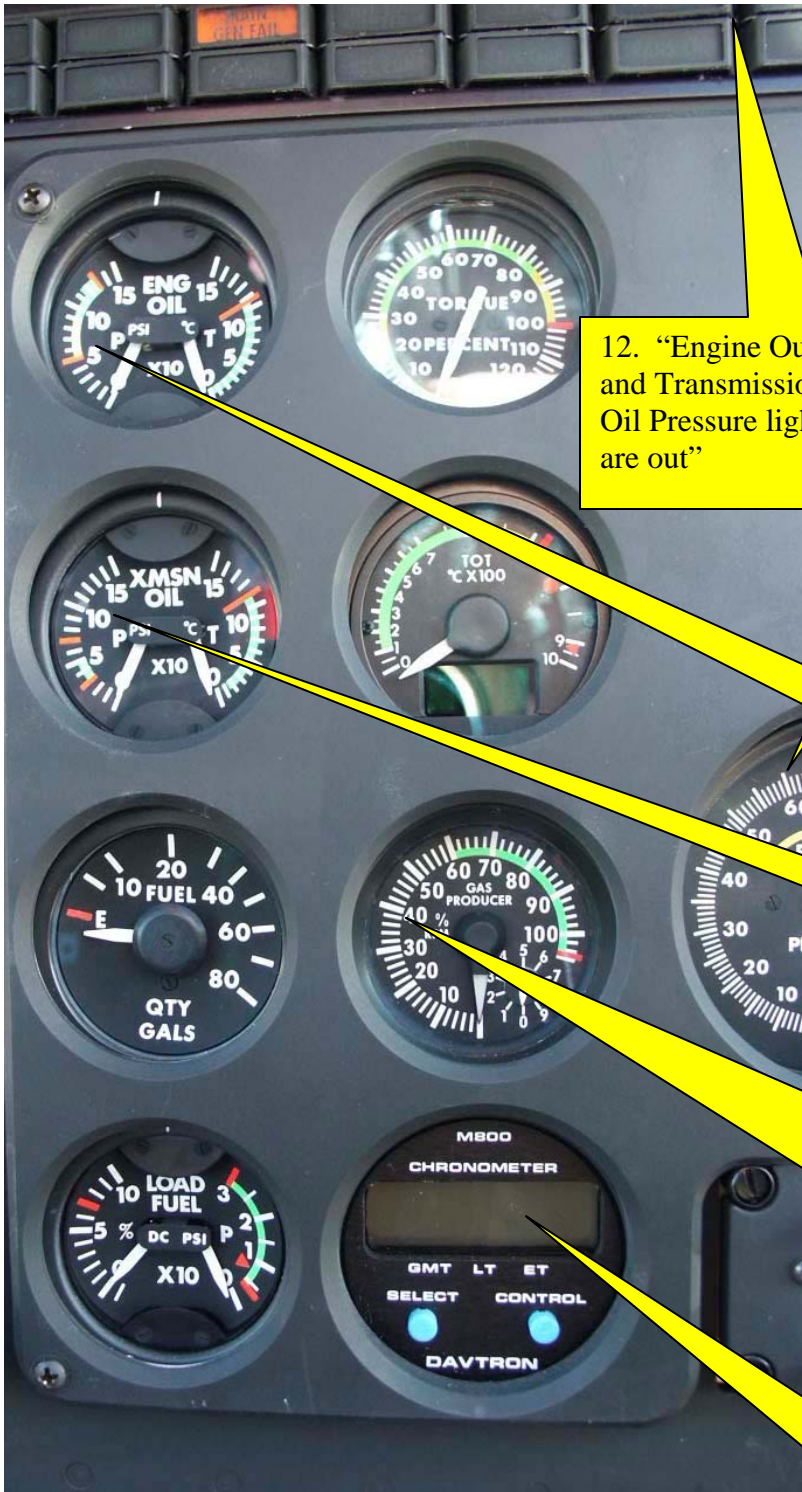


TH-67 Engine Start Procedures

1. Checklist item: "Engine Start Complete"
2. Do the 5 "Ts":
 - a. TEMPERATURE: Check OAT and tell IP how many seconds for start
 - b. TEMPERATURE: Check TOT and make sure it is below 150 degrees
 - c. TIME: Reset the clock to zero for start time
 - d. TALK: Put down the ICS toggle switch (so you don't deafen your IP) and yell "CLEAR!"
 - e. TRANSFER: Transfer control of the cyclic to the IP
3. Hold the throttle closed with your left hand
4. Start the time with your right hand
5. Remember to have your right hand positioned so that one finger can push the motor and one can push the idle release in case you need to abort the start
6. At 5 seconds on the clock press and hold the motor button
7. When the N1 reaches 12%, open the throttle just past the idle release
8. At 20% N1 call out "Oil by 20"
9. At 25% N1 call out "Blades by 25"
10. At 58% call out "58% in _____ seconds" and release motor button
11. Check N1 and say where it has stabilized (should be between 60-62%)
 - a. If it isn't make sure you tell the IP
 - b. Make sure you are looking at the small needle on the N1 gauge to get the precise number
12. Check Transmission Oil Pressure on the rise
13. Check Engine Oil Pressure on the rise
14. Check the "Engine Out" and "Transmission Oil Pressure" lights have extinguished
15. Check rotor is a minimum of 60% (50-60 accelerate through range)
16. State "Engine start complete"
17. Take all the controls and state "I have all the controls, continue with the checklist"



14. "Engine start complete."
15. "I have all the controls."
16. "Continue with the checklist."

12. "Engine Out and Transmission Oil Pressure lights are out"

13. "Rotor is a minimum of 60%"

11. "Engine Oil Pressure on the rise"

10. "Transmission Oil Pressure on the rise"

6. "Oil by 20"
7. "Blades by 25"
8. "58% in ____ seconds (say time that is on the clock when you release the motor)
9. N1 Stabilized at __%

1. Check 5 "Ts"
2. Yell clear
3. "You have the cyclic"
4. Start clock
5. At 5 seconds motor engine and open throttle at 12%