

Chapter Eight

starter time limitations. Bad engine bearings will cause the engine to turn hard, which will overload and overheat the starter. Also, excessive voltage can overheat the motor. Whenever you smell an electrical problem, it is prudent to stop whatever you are doing and investigate. Similarly, while aircraft tend to be noisy, excessive starter vibration or noise should be investigated. The probable cause is a loose or broken mounting. I can think of few situations less desirable than having a starter motor flying around loose inside an engine cowling during flight.