



SNS COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
COIMBATORE-35
DEPARTMENT OF AEROSPACE ENGINEERING



Course: 19ASB303-Aircraft Maintenance Engineering

UNIT I - Aircraft Ground Handling and Support Equipment

UNIT I: U1 LP4: Engine starting procedures in Aircraft Maintenance

The engine starting procedures in aircraft maintenance involve several steps to ensure safe and efficient operation. Here are some details of the typical engine starting procedures:

- 1. Pre-flight inspection: Before starting the engine, the aircraft maintenance crew will conduct a thorough pre-flight inspection to ensure that all systems are functioning properly and that the aircraft is in a safe condition for flight.*
- 2. Fuel system checks: The fuel system is checked for proper fuel quantity, fuel contamination, and correct fuel type. The fuel shutoff valve is checked to ensure that it is in the correct position.*
- 3. Battery checks: The battery voltage and condition are checked to ensure that there is sufficient power to start the engine.*
- 4. Ignition checks: The ignition system is checked to ensure that it is functioning properly and that the spark plugs are clean and in good condition.*
- 5. Engine start-up: The start-up sequence begins with turning on the electrical power, engaging the starter motor, and introducing fuel to the engine. The starter motor cranks the engine until it reaches a minimum operating speed, at which point the ignition system is activated to start the combustion process.*
- 6. Monitoring: Once the engine has started, the aircraft maintenance crew will monitor its operation to ensure that it is running smoothly and that all systems are functioning properly.*
- 7. Post-start checks: After the engine has started, the aircraft maintenance crew will conduct a series of post-start checks to verify that all systems are functioning properly and that the engine is ready for takeoff.*

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Overall, the engine starting procedures in aircraft maintenance are critical to ensuring safe and efficient operation of the aircraft. By following a systematic approach and conducting thorough checks and monitoring, aircraft maintenance crews can help ensure that the engine starts smoothly and that the aircraft is ready for flight.