

Summary Report for Individual Task
011-218-1034
Perform Engine Start
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Rucker foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: In a C-12 series airplane given the aircraft operators manual/CL.

Standard: Appropriate common standards plus, without error, perform procedures and checks IAW the CL.

Special Condition: NIGHT CONSIDERATIONS: Prior to starting the engine(s), ensure that all internal and external lights are operational and properly set. Lighting levels must be high enough so the crew can easily see the instruments and the aviator can start the engines without exceeding operating limitations. Beacon lights will be turned on before starting the engines and remain on during engines operation, except during conditions that may cause vertigo or other hazards to safety. COLD WEATHER CONSIDERATIONS: 1. Prior to starting engine(s). Check all controls for full travel and freedom of movement. 2. Starting engine(s). a. Check that the compressor of each engine rotates freely by momentary starter application, if required. b. When starting engines on ramps covered with ice, the propellers should remain feathered to prevent the tires from sliding. DESERT AND HOT WEATHER CONSIDERATIONS: Use normal starting procedures. Be aware that higher-than-normal engine TEMPs may be expected; and be prepared to abort the start before TEMP limitations are exceeded. Blowing sand and debris may make require the use of ice vanes.

Safety Risk: Medium

MOPP 4:

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Crew actions.

a. Each crew-member will complete the required checks or procedures pertaining to their crew duties IAW the CL and the preflight briefing.

b. Both aviators will clear the area around the airplane prior to each engine start.

2. Procedures.

a. The P* will start the engine(s) IAW the CL and verify system operation. He or she should be prepared to secure engine(s) immediately if any conditions exist which could be detrimental to the engines or auxiliary equipment.

b. The P should read the CL, complete all designated P checks, monitor engine instruments and systems during the starting process and assist the P* as required.

(Asterisks indicates a leader performance step.)

Evaluation Guidance:

Evaluation will be conducted in the aircraft or in an approved FS.

Evaluation Preparation:

Training will be conducted in the aircraft or in an approved FS.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed procedures and checks IAW the CL.			
2. Monitored engines instruments and systems during the starting process.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 1-1510-218-10	OPERATORS MANUAL FOR ARMY C-12C, C-12D, C-12T1, AND C-12C2 AIRCRAFT	No	No
	TM 1-1510-218-CL	OPERATORS AND CREWMEMBERS CHECKLIST FOR ARMY C-12C AIRCRAFT (NSN 1510- 01-070-3661);ARMY C-12D AIRCRAFT (1510-01-087-9129);ARMY C-12T AIRCRAFT (1510-01-470-0220)	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None