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Maintenance

**MAINTENANCE ON EXPLOSIVE LOADED  
AIRCRAFT**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This instruction establishes procedures for minor maintenance of explosive loaded aircraft within the 419th Fighter Wing. An aircraft is considered "explosive loaded" when it is carrying Nonnuclear munitions or explosives and/or nuclear weapons, internally or externally. This includes all 20mm ammunition, which is not normally downloaded except for gun or fuel cell maintenance. It implements AFPD 21-2, *Nonnuclear and Nuclear Munitions*. It also references AFI 91-201, *Explosive Safety Standards*. T.O. 11A-1-33, *Handling and Maintenance of Explosive Loaded Aircraft*, T.O. 1F-16C-2-00GV-00-1, *General Vehicle Description*, T.O. 1F-16C-2-33-1-2, *Non-nuclear Loading Procedures*, T.O. 1F-16C-2-9JG-00-1, *Towing and Mooring*, and T.O. 1F-16C-2-10JG-00-1, *Aircraft Safe for Maintenance*. This instruction applies to aircraft maintenance personnel assigned to the 419th Fighter Wing.

**1. Responsibilities:**

- 1.1. Operations group (OG) and logistics group (LG) commanders ensure that personnel are briefed on compliance with the procedures contained in this instruction.
- 1.2. Maintenance supervisors and expeditors:
  - 1.2.1. Ensure that personnel follow instructions contained herein.
  - 1.2.2. Ensure that only authorized maintenance is performed on explosive loaded aircraft.
  - 1.2.3. Ensure that all safety precautions are observed.

**WARNING:** No maintenance will be performed that will increase the probability of fire, stores release, launch, weapons arming, functioning of explosives or damage to explosive items. All applicable conditions of the 1F-16C-2-10JG-00-1 and other applicable job guides must be met prior to performing maintenance on an explosive loaded aircraft.

**2. Procedures:**

2.1. Aircraft will be dearmed and munitions downloaded prior to performing the following maintenance:

2.1.1. During jacking of aircraft (more than one gear). Captive missiles may remain loaded.

2.1.2. Scheduled wash.

2.1.3. For fuel system maintenance that requires open fuel cell. 20MM will be downloaded.

2.1.4. During defueling operations. Captive missiles may remain loaded.

2.1.5. Major maintenance on any aircraft where the readiness of the aircraft is not a factor, even if the presence of munitions does not present a specific hazard.

2.1.6. Aircraft x-ray.

2.2. Aircraft will be dearmed and munitions safety devices installed prior to performing the following maintenance:

2.2.1. Any time power is applied to the store management system and loaded munitions present no other hazard.

2.2.2. Engine runs for maintenance

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