

**BY ORDER OF THE COMMANDER  
944TH FIGHTER WING**

**944 FW INSTRUCTION 21-203  
23 JUNE 2000**



*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 944th Fighter Wing. It implements AFD 21-2, *Non-nuclear and Nuclear Munitions*. It also references AF MAN 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-2-09JG-00-1, *Towing and Mooring*; and T.O. 1F-16C-2-10JG-00-1, *Aircraft Safety*. This instruction applies to all personnel assigned to the 944<sup>th</sup> Fighter Wing.

### **SUMMARY OF REVISIONS**

**This document is substantially revised and must be completely reviewed.**

#### **1. Terms Defined:**

1.1. Explosive Loaded Aircraft. An aircraft is considered "explosive loaded" when it is carrying Non-nuclear munitions or explosives and/or nuclear weapons, internally or externally. This includes all 20-mm ammunition, which is not normally downloaded except for gun, fuel cell, or x-ray maintenance.

1.2. Dearmed. A dearmed aircraft is considered "dearmed" when all impulse cart are removed; stations loaded with missiles are electrically isolated; gun clearing cam holdback tool and gun electrical safety pin are installed, rounds counter set to 990 and on; chaff/flare removed.

1.3. Dearmed and Download. A dearmed and downloaded aircraft is considered "dearmed and downloaded" when all impulse cart are removed; download all stations, unless otherwise noted e.g. (captive missiles may remained installed); gun clearing cam holdback tool and gun electrical

safety pin are installed, rounds counter set to 990 and on and all 20mm ammunition is removed (unless otherwise noted); chaff/flare removed.

## 2. Responsibilities:

2.1. The 944th Operations Group (OG) and the 944th Logistics Group (LG) commanders will ensure that personnel are briefed on compliance with the procedures contained in this operating instruction.

2.2. Maintenance supervisors are responsible to the 944 OG/LG commanders for:

2.2.1. Ensuring that personnel follow instructions contained in this operating instruction.

2.2.2. Ensuring that only authorized maintenance is performed on explosive loaded aircraft.

2.2.3. Ensuring that all safety precautions are observed.

## 3. Procedures:

### 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.**

*Note:* Aircraft being towed to or from Echo, Fox, or End of Runway do not require a dearm or download of training munitions (20mm ammunition, chaff/flares, captive missiles, impulse cartridges, inert bombs, BDU-33s). Aircraft will not be towed from ECHO or FOX row while loaded with live bombs and/or missiles. An aircraft loaded with live bombs/missiles that must be shut down at the end-of-runway area will be towed directly to ECHO or FOX row for downloading.

3.1. Prior to performing the following maintenance the aircraft will be dearmed and munitions downloaded, unless otherwise noted:

3.1.1. During jacking of aircraft, more than one gear, captive missiles and 20MM may remain loaded.

3.1.2. Scheduled washing and or painting of the aircraft.

3.1.3. For hangar, hush house, trim pad, wash rack entry, or outside of the 944 FW aircraft parking ramp, captive missiles and 20MM may remain loaded.

3.1.4. For fuel system maintenance, 20MM will be downloaded.

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

3.1.6. Aircraft x-ray.

3.1.7. Any time the aircraft is parked outside of an explosive sited parking area.

3.2. Prior to performing the following maintenance, the aircraft will be dearmed and missiles will be electrically isolated from launcher(s):

3.2.1. Any time the Store Management System (SMS) switch is required to be turned on.

3.2.2. Engine runs 80% and below.

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Commander