

15 June 1998

Maintenance



**REPAIR AND RECLAMATION SHOP AREAS
OF RESPONSIBILITIES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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Supersedes 442 LG OI 21-16, 17 October 1995

Pages: 3
Distribution: F

This instruction implements Air Force Policy Directive (AFPD) 21-1, *Managing Aerospace Equipment Maintenance*. It establishes procedures to clarify the responsibilities of the repair and reclamation shop areas. These procedures apply to all personnel assigned to the 442nd Logistics Group and 442d Operations Group. Supervisors, superintendents, and flight chiefs are responsible for ensuring compliance with this instruction.

SUMMARY OF REVISIONS

This revision changes the series number and title; and updates language, format and directives.

1. Procedures:

- 1.1. The Repair and Reclamation Shop will remove/replace, adjust, rig and troubleshoot all components of the roll, pitch, yaw, flap and speed brake flight control systems with the exception of hydraulically powered actuators and control valves.
- 1.2. Repair and Reclamation will remove, replace, rig and troubleshoot all components of the landing gear system with the exception of wheels and tires, wheel brakes, hydraulically operated actuators, control valves and components of the nose wheel steering and anti-skid control systems. The Repair and Reclamation Shop is responsible only for retraction checks required due to the maintenance actions taken in the area of their responsibilities identified in this paragraph.
- 1.3. Repair and Reclamation will remove, replace, adjust, rig and troubleshoot canopy and windshield components as defined in the following subparagraphs.
 - 1.3.1. Repair and Reclamation will remove, replace, adjust, rig and troubleshoot components of the canopy lock/unlock mechanism.

- 1.3.2. Repair and Reclamation will remove, replace, adjust, rig and troubleshoot components of the canopy manual release system.
- 1.3.3. Repair and Reclamation will remove and replace/reinstall canopy assembly.
- 1.3.4. Repair and Reclamation will remove and reinstall windshield assembly to facilitate other maintenance on the assembly.
- 1.4. Repair and Reclamation will remove, replace/reinstall and adjust the components of the engine control system with the exceptions of adjustment to the main fuel control, and rigging after the completion of an engine change.
 - 1.4.1. FSM personnel will be responsible for establishing proper rig of the engine segment of the engine control cable prior to trim run.
 - 1.4.2. Repair and Reclamation will maintain safety equipment such as wheel cages, in a serviceable status.
- 1.5. When directed by the 442 LG Commander or his designated representative, Repair and Reclamation will manage specified actions such as TCTO maintenance, extensive/crash damage repair, and aircraft modifications, in addition to aircraft repair, determined by the 442 LG Commander, to be beyond the capability of the FSM.
- 1.6. Repair and Reclamation will be responsible assisting in the clearing off of the runway and active taxiway of Whiteman Air Force Base, crashed/damaged aircraft as defined in local crash recovery procedures.
- 1.7. Repair and Reclamation will carry out custodial and storage responsibilities for special purpose equipment and vehicles specifically assigned to the Repair and Reclamation Shop for the purpose of crash recovery and extensive maintenance.
- 1.8. Repair and Reclamation will ensure that all wheel and tire components are built-up, repaired, tested, and serviced as required to support the mission. Also, the establishment and maintenance of the wheel and tire forward supply point if needed.
- 1.9. When notified by the Maintenance Control Function (MCF) that a flight control problem exists, the Repair and Reclamation Shop Supervisor/Designated Representative will attend the maintenance debriefing and review the discrepancy with the pilot. The Repair and Reclamation Shop Supervisor/Designated Representative will request support from Guidance Control (2A4X1), Electric (2A6X6), Pneudraulic (2A6X5), and APG (2A3X3), as required through MCF.

CHARLES E. STENNER, JR., Col, USAFR
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFPD 21-1--*Managing Aerospace Equipment Maintenance*

AFRCI 21-101--*Maintenance Management of Aircraft*