

AL 18

LIGHTNING ALL MARKS

AP101B-1000-5A2
(1st Ed)

SECTION 4

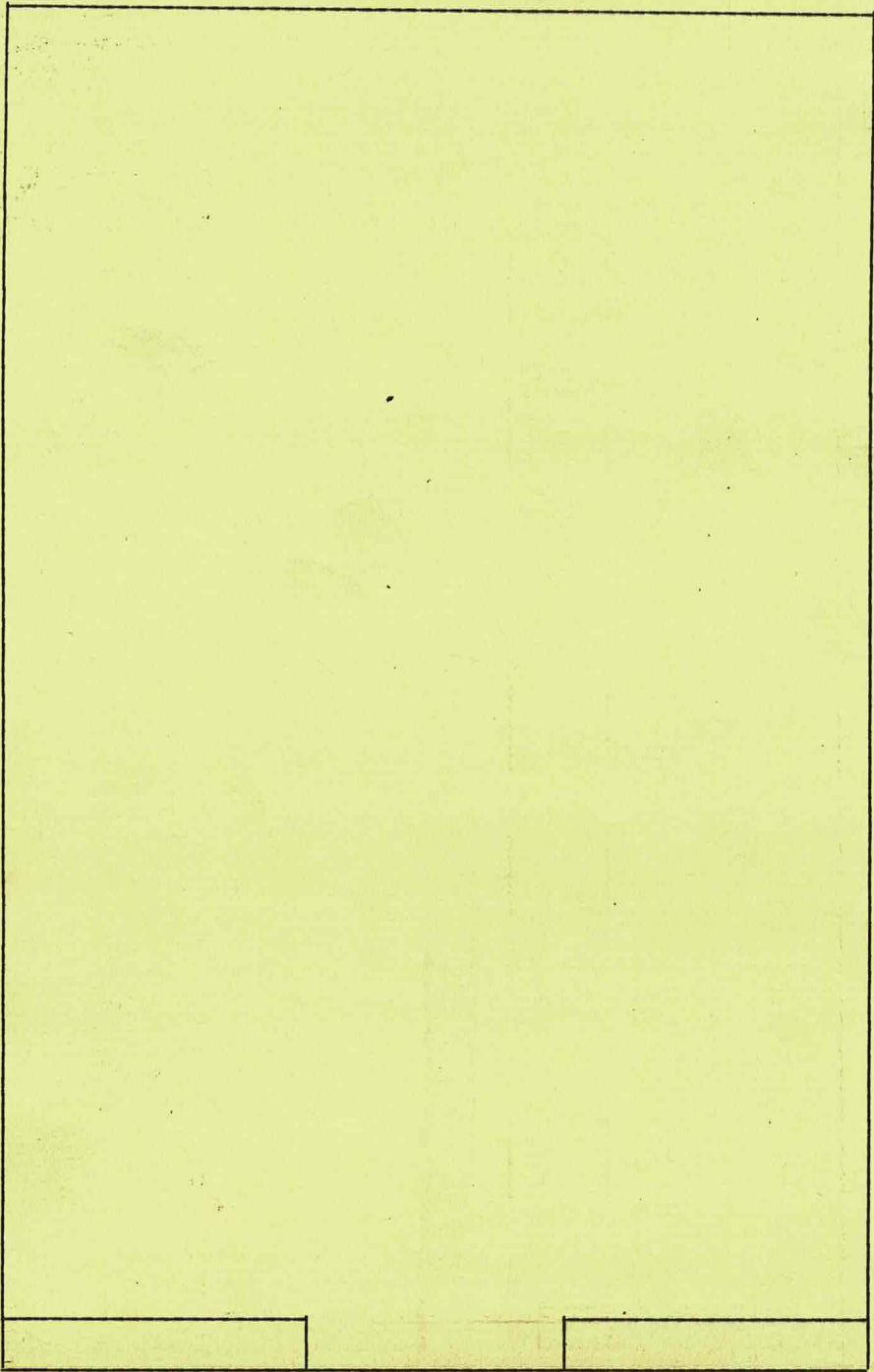
INDEPENDENT CHECKS

LIST OF CHAPTERS

Chapter 1

ALL TRADES

SMs/81/427/31



1. Aircraft Control Systems. Whenever any aircraft control system is disturbed during maintenance, the supervisor of the maintenance task is responsible for calling up the requirement for an independent check in accordance with AP100B-01, Order 3975.

2. The following systems are to be subjected to independent checks after they have been disturbed. This list is not exhaustive and a supervisor may call up an independent check on a system, or systems, not listed here if he considers it justified by the nature or circumstances of the maintenance work carried out.

a. Structure

Aileron)	
Airbrake)	
Flap)	
Tailplane)	Attachment points.
Rudder)	
Nose Undercarriage)	
Main Undercarriage)	

b. Flying Controls

Aileron and Aileron Trims
Airbrakes
Tailplane and Tailplane Trim
Flaps

Rudder and Rudder Trim

Aileron Autostab Actuator)	a. Assembly and
Rudder Autostab Actuator)	locking to
Tailplane Autostab Actuator)	structure and
)	control runs.
)	
)	b. Sense and
)	range of movement
)	of the primary
)	control system.

2. Aircraft Control Systems Independent Checks (Contd)

c. Landing/Arrester Gear

Nose Undercarriage
Main Undercarriage
Wheel Brakes
Arrester Hook
Brake Parachute

d. Propulsion Systems

Combined Throttle and HP Cock Controls
Reheat Control.

3. Pitot/Static Systems. A SNCOs independent sense and/or leak check test is to be undertaken following the connection of any pitot or static pipeline to another item of equipment, including connection to another pipeline or system element. These independent check tests are to be carried out in accordance with AP100B-01, Order 4924.

4. Assisted Escape Systems. When any component of an Aircraft Assisted Escape System is disturbed during servicing, Vital Checks as applicable and full independent checks are to be carried out by a qualified checker as detailed in AP100B-01 Order 5635.

SMS/4A STC

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