

Group M MISCELLANEOUS

List of Contents

			Para.
INTRODUCTION	1
ALIGHTING GEAR LEVER LOCK (MU)			
OPERATION	2
SERVICING	4

List of Illustrations

		Fig.
Alighting gear lever lock	...	1

INTRODUCTION

1. This group contains information relating to the alighting gear lever lock circuit. Details of the individual items of equipment will be found in the appropriate specialist Air Publication listed above.

Equipment	Air Publication
Micro switch, Type 1a	A.P. 4343C, Vol. 1, Sect. 1

21-0501M-1/2

ALIGHTING GEAR LEVER LOCK (MU)

OPERATION

2. When the aircraft is on the ground, the alighting gear lever prevents accidental retraction of the alighting gear. This safety device consists of a solenoid-operated plunger which locks the alighting gear selector lever in the DOWN position. The circuit consists of two micro switches connected in series with the lever lock solenoid, one being actuated by the alighting gear selector lever, the other by the leg of the port undercarriage unit. When

the weight of the aircraft is taken off the port undercarriage unit, the leg microswitch contacts close, and with the selector knob pulled out approximately 3/16 in. the contacts of the lever micro switch are made, completing the circuit through both micro switches, connected in series, to energize the lock solenoid. The solenoid-operated plunger is withdrawn, allowing the pilot to select alighting gear UP.

3. An override switch, positioned on the port switch panel, short-circuits the port oleo leg micro switch and can be used in an emergency. The switch is fitted with a guard to prevent acci-

dental operation.

SERVICING

4. The alighting gear selector lever is constructed so that when the pilot selects alighting gear UP, it is necessary to pull out the spring-loaded section of the lever attached to the lever knob. By this action a striker arm depresses the micro switch positioned immediately below the selector lever. The solenoid-operated plunger which locks the alighting gear selector lever is mounted on a bracket assembly located at floor level below the selector lever.

21-0501M-3/2

RESTRICTED

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

