33

LIGHTS

LIST OF EFFECTIVE PAGES

CHAPTER	PAGE	DATE
33-LEP (BA)	1	SEP 04
	2	JUN 01
33-TC (BA)	1	SEP 04
	2	SEP 04
33-00-00 (BA)	1	JUN 01
	2	JUN 01
33-10-00 (BA)	1	JUN 01
	2	JUN 01
	3	JUN 01
	4	JUN 01
	5	JUN 01
	6	JUN 01
33-10-00 (BM)	1	JUN 01
	2	JUN 01
	3	JUN 01
	4	JUN 01
	5	JUN 01
	6	JUN 01
	7	JUN 01
	8	JUN 01
33-40-00 (AM)	1	SEP 04
	2	SEP 04
	3	JUN 01
	4	JUN 01
	5	JUN 01
	6	JUN 01
	7	JUN 01
	8	JUN 01
	9	JUN 01
	10	JUN 01
	11	JUN 01
	12	JUN 01
33-40-00 (CA)	1	SEP 04
	2	SEP 04
	3	SEP 04
	4	SEP 04
	5	SEP 04
	6	SEP 04
	7	SEP 04
	8	SEP 04
33-40-01 (BA)	401	SEP 04
	402	SEP 04
33-40-01 (BA)	501	SEP 04
	502	SEP 04
33-40-01 (BA)	601	SEP 04
	602	SEP 04
33-40-02 (BA)	401	SEP 04
	402	SEP 04
	403	SEP 04
	404	SEP 04
33-40-02 (BA)	501	SEP 04
	502	SEP 04

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TABLE OF CONTENTS

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LIGHTS

DESCRIPTION AND OPERATION

1. GENERAL

The lighting system comprises the equipment and components ensuring aircraft lighting and external and internal indication.

This chapter is composed of the following sections :

- cockpit - refer to 33-10-00.
- external lighting - refer to 33-40-00.

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COCKPIT

DESCRIPTION AND OPERATION

1. GENERAL

The cockpit lighting is located above the floor between the instrument panel and the rear cabin bulkhead and serves as lighting and indication.

2. DESCRIPTION (Figures 1, 2, 3 and 4)

Instrument panel and control panels lighting is provided by integral, flood, post lights and electroluminescent lighting. Three lighting control knobs are grouped together on the L.H. part of the L.H. instrument panel.

These three controls vary the intensity of all instrument panel and L.H. sidewall circuit-breakers panel lights, except for the rear overhead light. The following paragraphs describe the function of these controls.

A courtesy light is installed in the cabin headliner, in front of the aerators, to facilitate boarding or deplaning the airplane during night operations. The light circuit requires power to be applied to the main electrical system bus bars for operation (Main switch ON) .

This light is controlled by a tumbler switch integrated to the light.

A maps reading light may be installed in the bottom of the pilot's control wheel. This light illuminates the lower portion of the cabin in front of the pilot and is used for reading maps and other flight data during night operation. It is controlled by a switch located on the right horn of the pilot's control wheel.

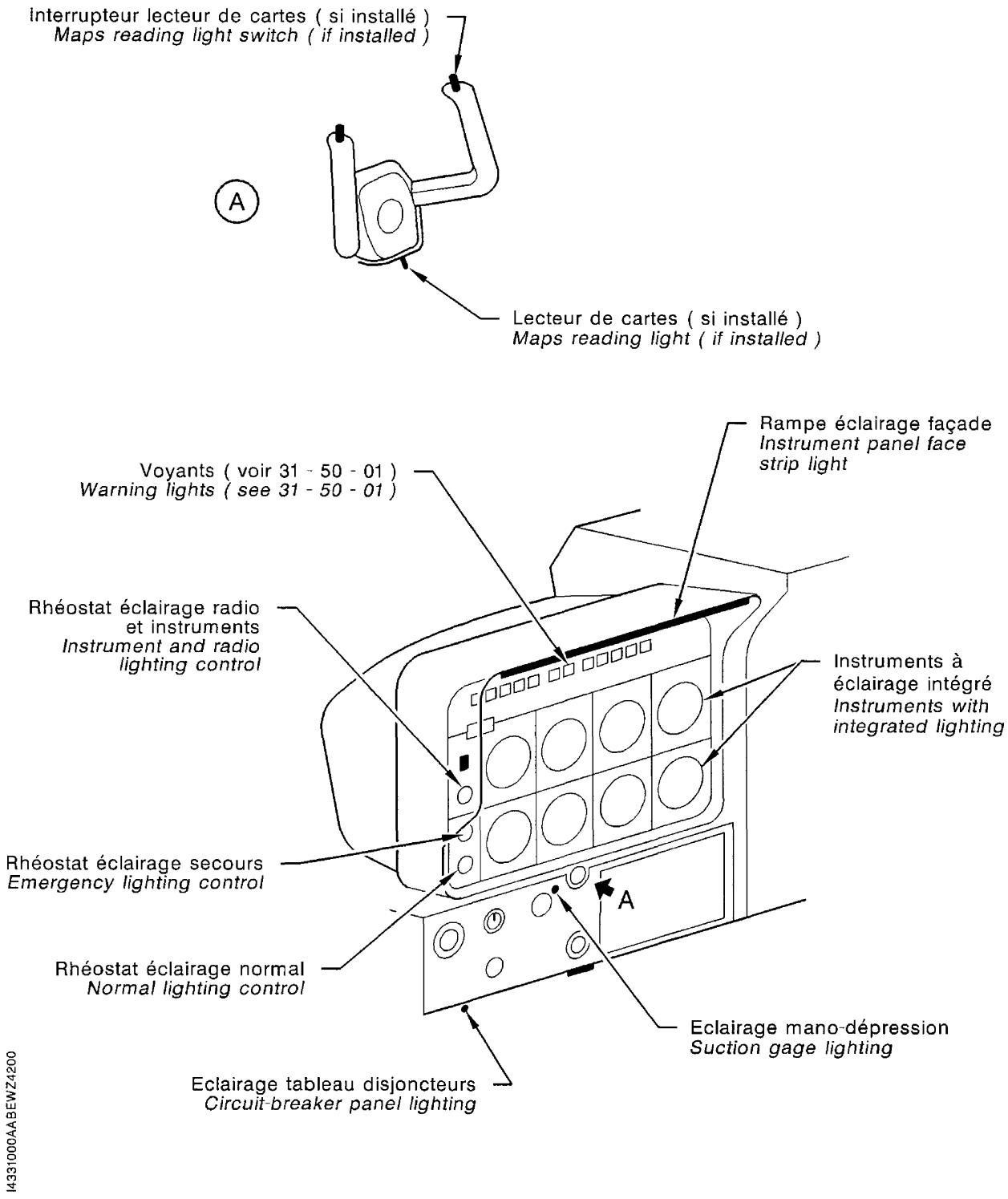
3. OPERATION

They allow the operating from down to up of :

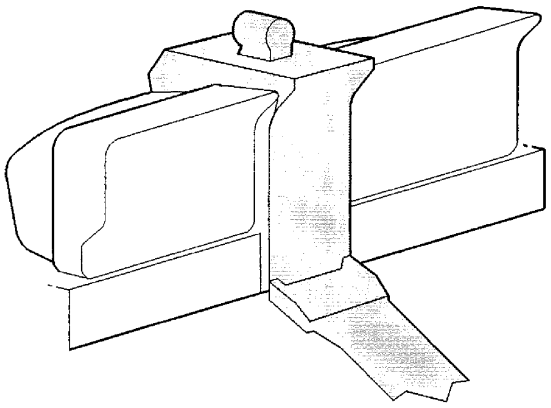
- "Normal" control which controls and modulates L.H. and R.H. instrument panels visors lighting.
- "Emergency" control which modulates lighting of front overhead lights controlled by rotating them.
- "Radio and instruments" control which controls and modulates lighting of console visor and of instruments and equipment on instrument panel and circuit-breakers panel.

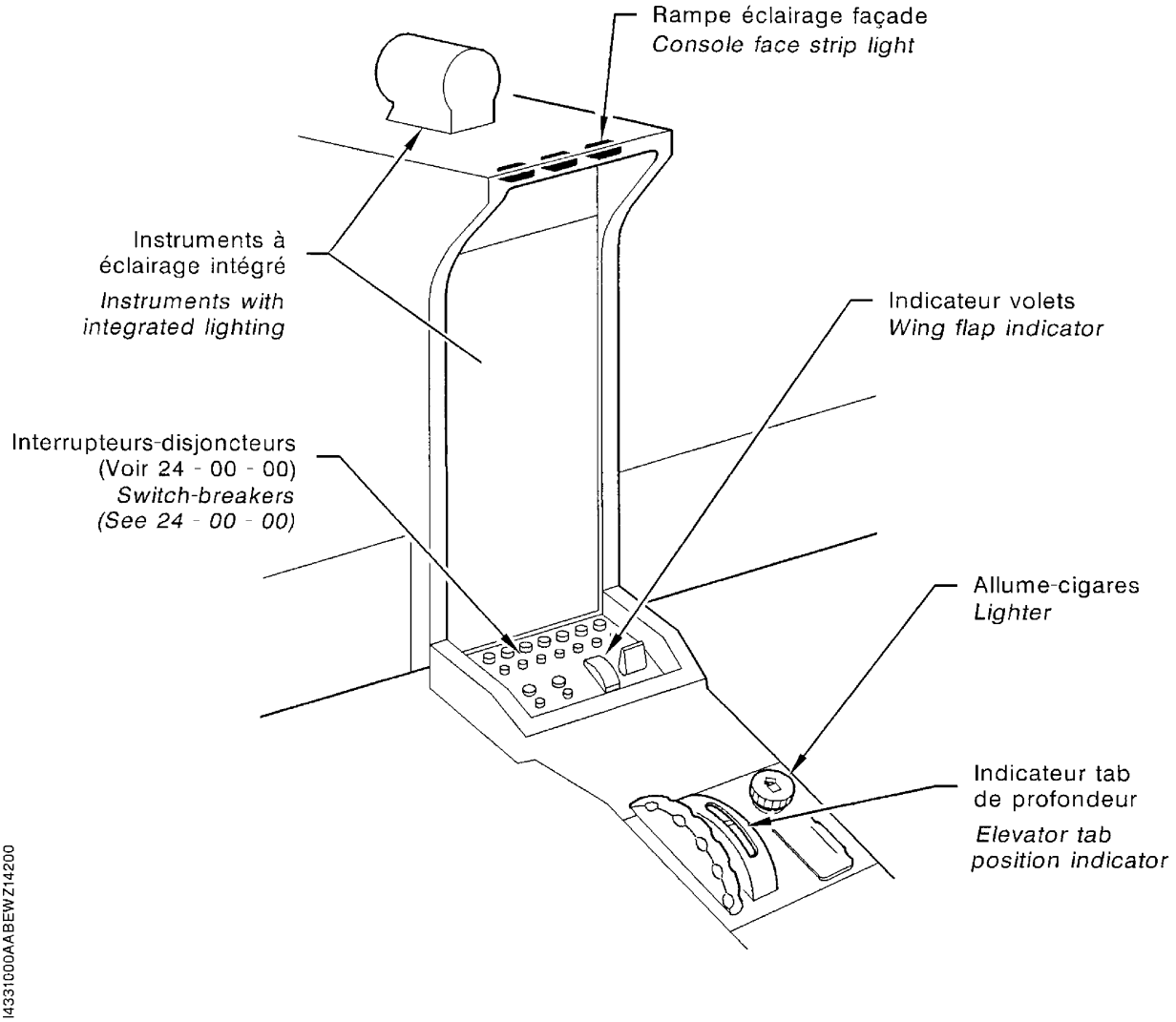
NOTE : - Both "normal" and "radio and instruments" controls operate and modulate lighting ; from high position "OFF", turn clockwise for "FULL INTENSITY OPERATION" then still clockwise, modulate towards "MINIMUM INTENSITY", turn back to "OFF" position turning counterclockwise.

- "Emergency" control modulates lighting ; from high position "FULL INTENSITY" turn clockwise to modulate towards "MINIMUM INTENSITY" ; turn back to high position "FULL INTENSITY" turning counterclockwise .

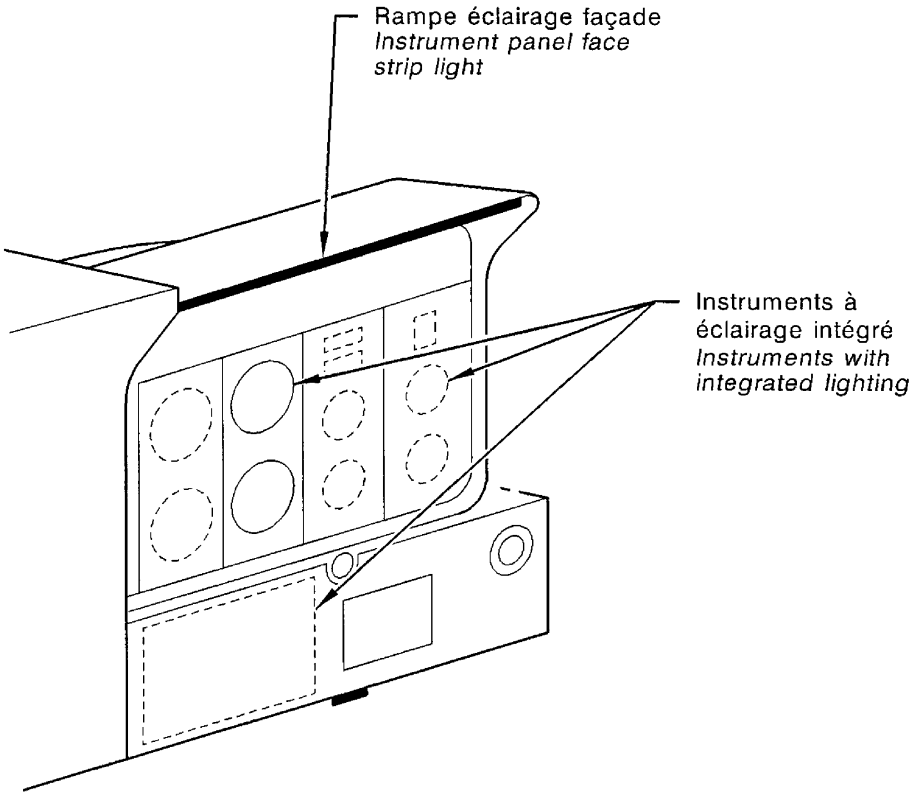


Instrument panel and L.H. strip lighting
Figure 1





Console and pedestal lighting
Figure 2



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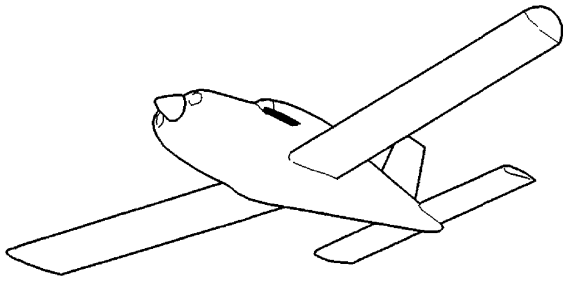
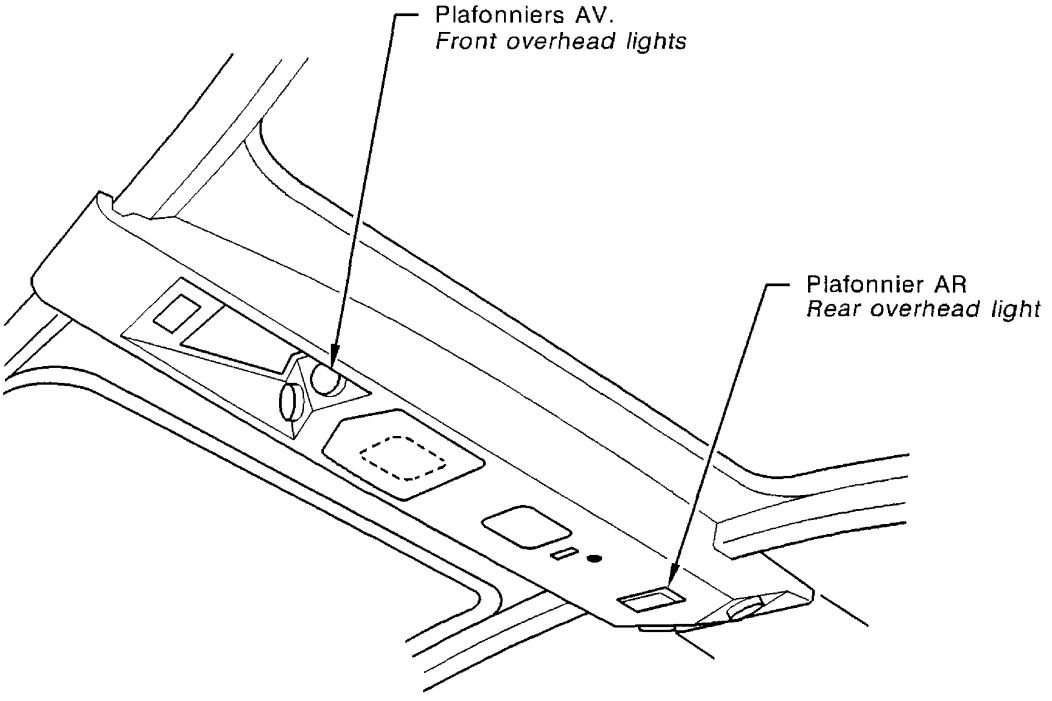
Instrument panel and R.H. strip lighting
Figure 3





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Upper duct central part arrangement lighting
Figure 4

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COCKPIT

DESCRIPTION AND OPERATION

1. GENERAL

The cockpit lighting is located above the floor between the instrument panel and the rear cabin bulkhead and serves as lighting and indication.

2. DESCRIPTION (Figures 1, 2, 3, 4 and 4A)

Option pre-MOD. 139

Instrument panel and control panels lighting is provided by integral, flood, post lights and electroluminescent lighting.

Post-MOD. 139 and Pre-MOD. 151

Two lighting control knobs are grouped together on the L.H. part of the L.H. instrument panel.

These two controls vary the intensity of all instrument panel and L.H. sidewall circuit-breakers panel lights, except for the overhead light. The following paragraphs describe the function of these controls.

A third knob can be installed for emergency lighting (Option).

Post-MOD. 151

Three lighting control knobs are grouped together on the L.H. part of the L.H. instrument panel.

These three controls vary the intensity of all instrument panel and L.H. sidewall circuit-breakers panel lights, except for the overhead light. The following paragraphs describe the function of these controls.

Option pre-MOD. 139, Standard post-MOD. 139

A courtesy light is installed in the cabin headliner, to facilitate boarding or deplaning the airplane during night operations. The light circuit requires power to be applied to the main electrical system bus bars for operation (Main switch ON) .

This light is controlled by a tumbler switch integrated to the light.

Option pre-MOD. 151, Standard post-MOD. 151

A maps reading light is installed in the bottom of the pilot's control wheel. This light illuminates the lower portion of the cabin in front of the pilot and is used for reading maps and other flight data during night operation. It is controlled by a switch located on the right horn of the pilot's control wheel.

3. OPERATION

They allow the operating from down to up of :

- "Normal" control which controls and modulates L.H. and R.H. instrument panels visors lighting.
- "Radio and instruments" control which controls and modulates lighting of console visor and of instruments and equipment on instrument panel and circuit-breakers panel.

Option pre-MOD. 151

- "Emergency" control which modulates lighting of front overhead lights controlled by rotating them.

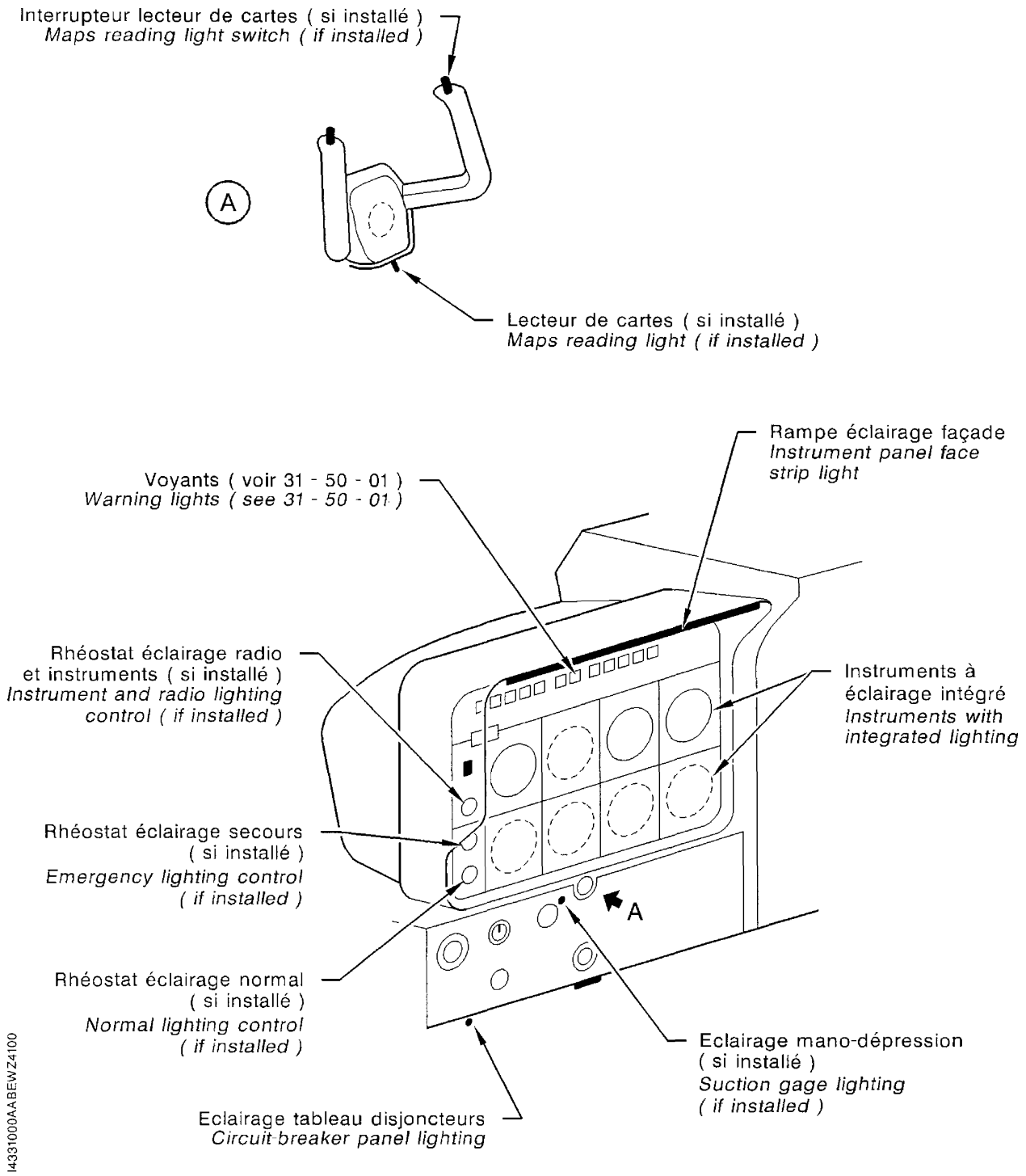
NOTE : - Both "normal" and "radio and instruments" controls operate and modulate lighting ; from high position "OFF", turn clockwise for "FULL INTENSITY OPERATION" then still clockwise, modulate towards "MINIMUM INTENSITY", turn back to "OFF" position turning counterclockwise.

- "Emergency" control modulates lighting ; from high position "FULL INTENSITY" turn clockwise to modulate towards "MINIMUM INTENSITY" ; turn back to high position "FULL INTENSITY" turning counterclockwise .

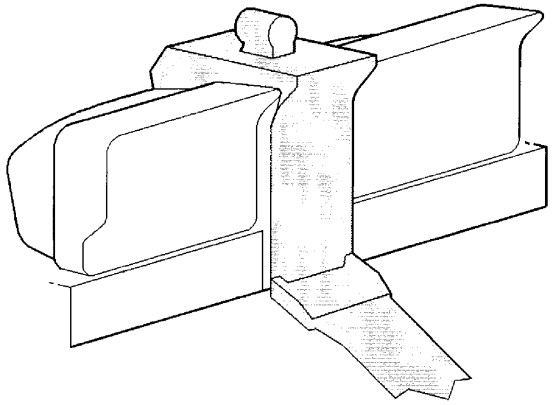
Standard post-MOD. 151

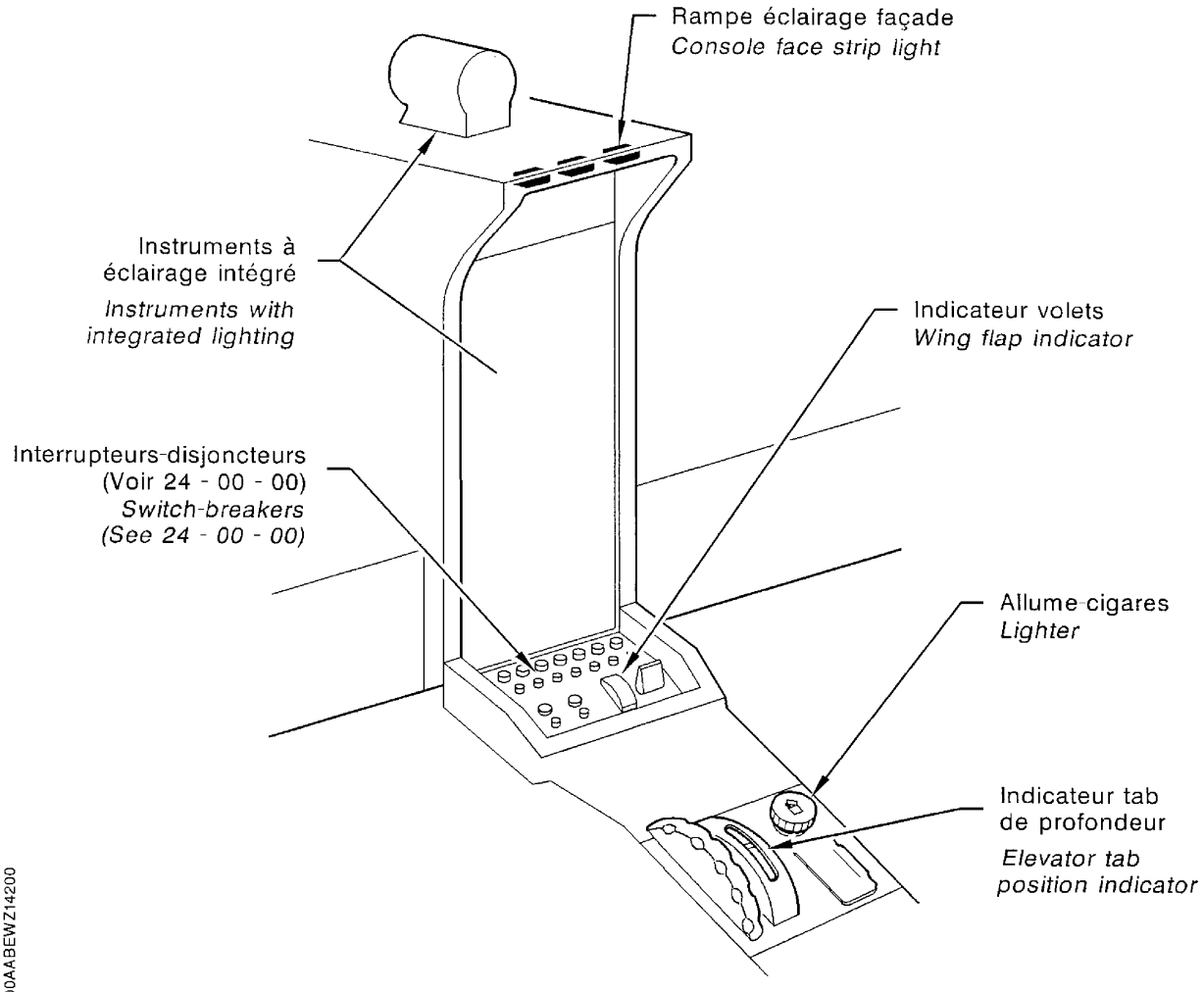
- "Emergency" control which controls and modulates the lighting of front overhead lights.

NOTE : - The three "normal", "radio and instruments" and "emergency" controls operate and modulate lighting ; from high position "OFF", turn clockwise for "FULL INTENSITY OPERATION" then still clockwise, modulate towards "MINIMUM INTENSITY", turn back to "OFF" position turning counterclockwise.

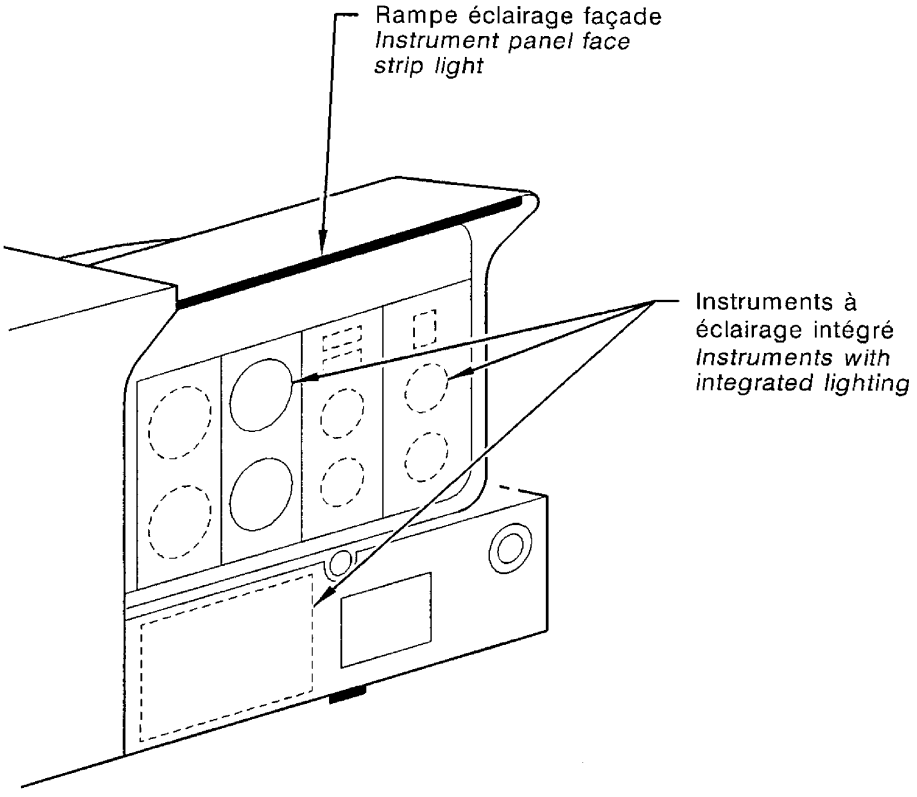


Instrument panel and L.H. strip lighting
Figure 1





Console and pedestal lighting
Figure 2



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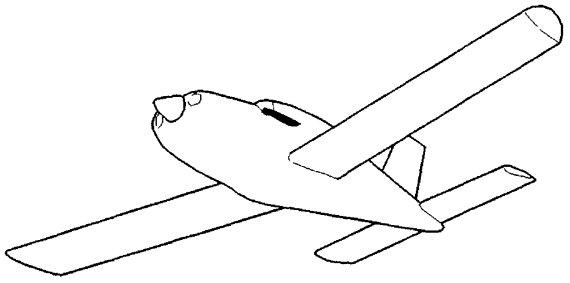
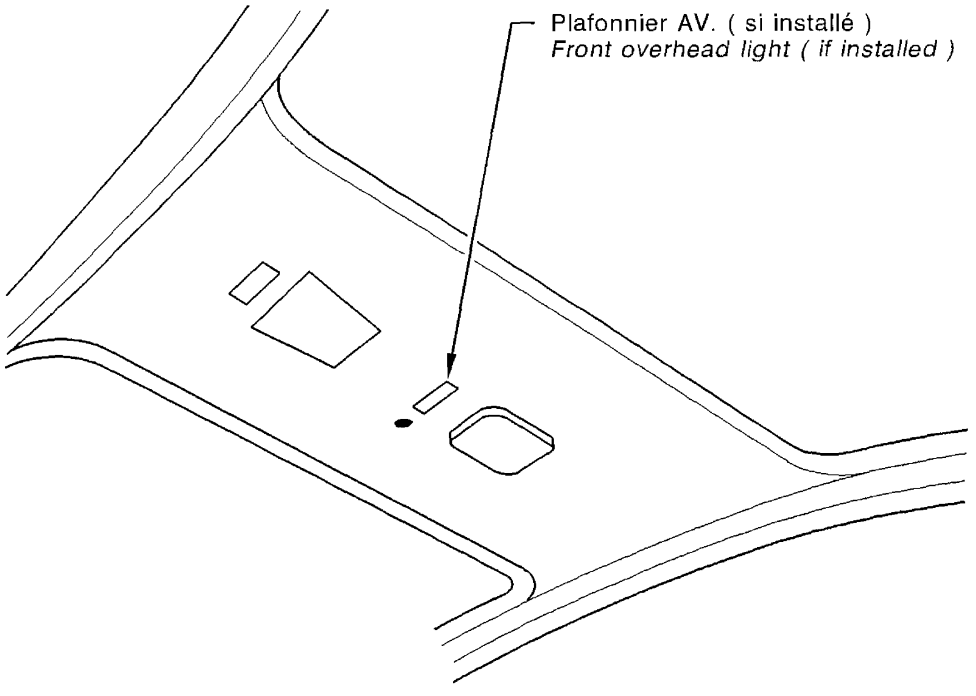
Instrument panel and R.H. strip lighting (OPTION)
Figure 3





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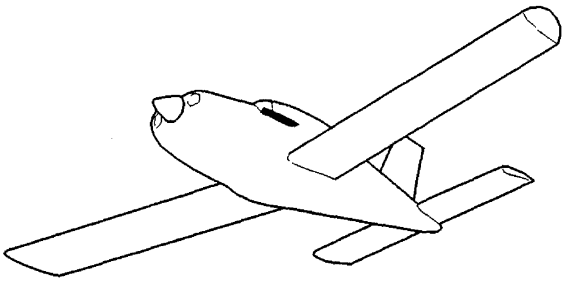
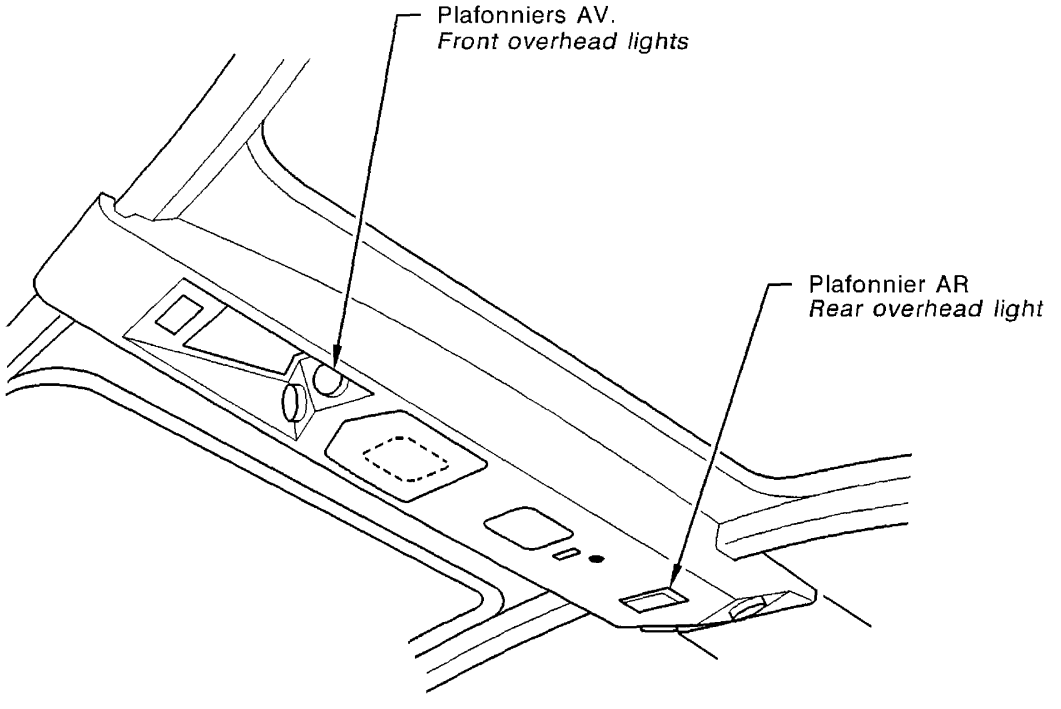
Upper duct central part lighting
Figure 4 - Pre-MOD. 151





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Upper duct central part lighting
Figure 4A - Post-MOD. 151

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EXTERNAL LIGHTING

DESCRIPTION AND OPERATION

1. GENERAL

The external lighting is the element of the lighting system ensuring the external lighting and indication of the aircraft.

The external lighting consists of :

- the landing light and the taxi light (Option, S / N 765, 879 - 1850),
- the navigation lights (Option, S / N 765, 879 - 1850),
- the anticollision lights (Option),
- the strobe light(s) (Option),
- the A31 anticollision lights power unit(s) (Option).

2. LOCATION

COMPONENT	QTY	AREA	ACCESS DOOR	REFERENCE
Landing light and taxi light (Option, S / N 765, 879 - 1850)	2	500	522	33-40-01
Navigation light (Option, S / N 765, 879 - 1850)	3	500 600 220	517 617 622	33-40-00
Anticollision light (Option)	2	500 600	517 617	33-40-00
Strobe light (Option)	1 or 2	220 300	/	33-40-00
A31 anticollision lights and A33 strobe lights power unit (Option)	1 per light	220	242	33-40-00

3. DESCRIPTION

A. Landing and taxi lights (Option, S / N 765, 879 - 1850) (Figures 1 and 8)

The landing and taxi lights are the elements of the sub-system which enable the pilot to sight the runway and to direct the aircraft during taxiing. These lights are located on the L.H. wing leading edge.

The illumination of the lights is controlled by switch-breakers located on the front section of the central pedestal console.

Two green indicator lights (one for each function) located on M6 advisory panel, illuminate respectively when the switch-breakers are closed.

B. Navigation lights (Option, S / N 765, 879 - 1850) (Figures 2 and 3)

The traditional navigation lights are located on the wing tips and at the end of the tail cone :

- green light : R.H. wing tip,

- red light : L.H. wing tip,
- white light : end of the tail cone.

The illumination of the lights is controlled by a switch-breaker located on the front section of the central pedestal console.

C. Anticollision lights (Option) (Figures 4 and 5)

The aircraft can be equipped with an anticollision assembly including a strobe light on each wing tip and, at the end of the tail cone of a dual function light (navigation light / strobe light) as a replacement for the navigation light, if required.

The illumination of the lights is controlled by a switch-breaker located on the front section of the central pedestal console.

The bulbs of the strobe lights are supplied by A31 anticollision lights power units (one per light).

D. Strobe light(s) (Option) (Figures 6 and 7)

In addition to navigation lights, external lighting can include a strobe light installed on the vertical stabilizer and under the fuselage.

The illumination of the lights is controlled by a S30 switch located on the circuit-breaker panel.

The bulbs of the strobe lights are supplied by A33 strobe lights power units (one per light).

E. A31 anticollision lights and A33 strobe lights power unit(s) (Option) (Figures 4, 5, 6 and 7)

Each anticollision and strobe light is supplied by a power unit. These power units are attached on a bracket located on the R.H. side, aft of frame C6.

4. OPERATION (Figures 8, 8A and 8B)

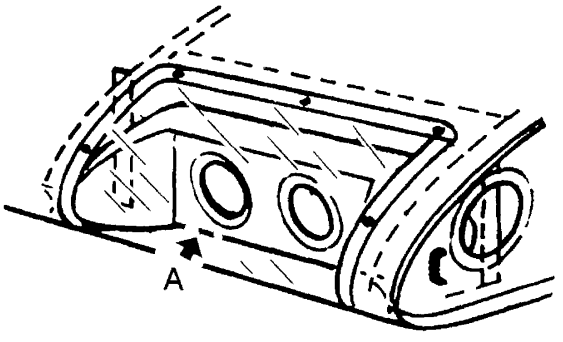
A. Lighting control

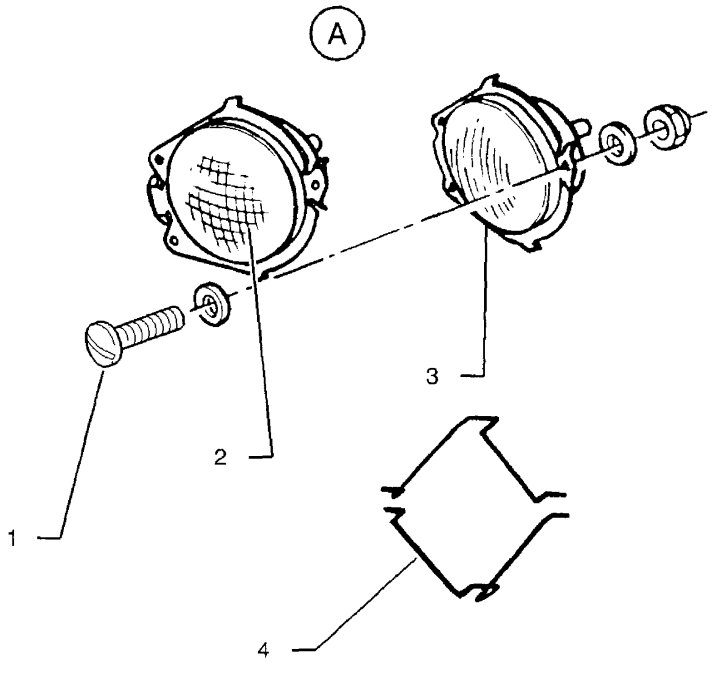
The switch-breakers, located on the central pedestal front part, control the lighting of landing and taxi lights, navigation lights and anticollision lights.

NOTE : The amperage value of the wing tip anticollision strobe light switch-breaker is increased when the aircraft is equipped with a tail cone strobe light.

A switch, located on the circuit-breaker panel, controls the strobe light illumination. This circuit is protected by a circuit-breaker located on the left of the switch.

1 - Adjustment screw
2 - Landing light
3 - Taxi light
4 - Spring





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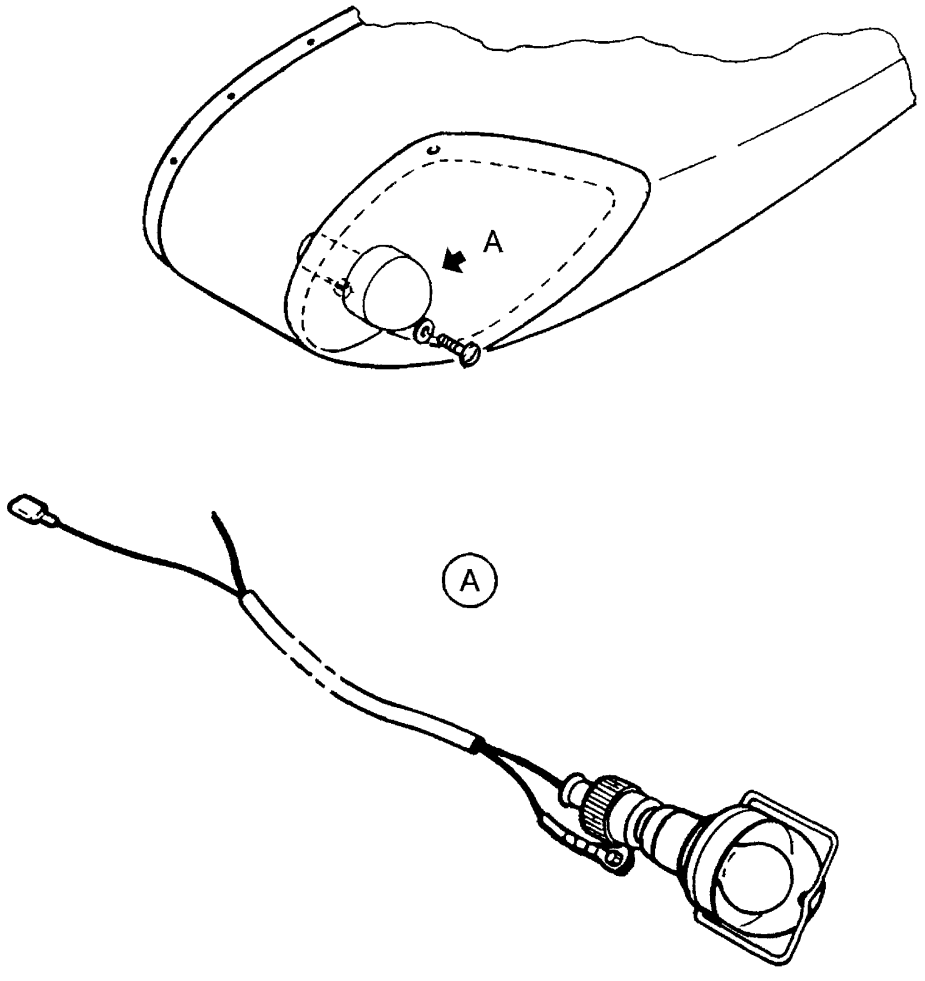
Landing and taxi lights
Figure 1 - Option, S / N 765, 879 - 1850



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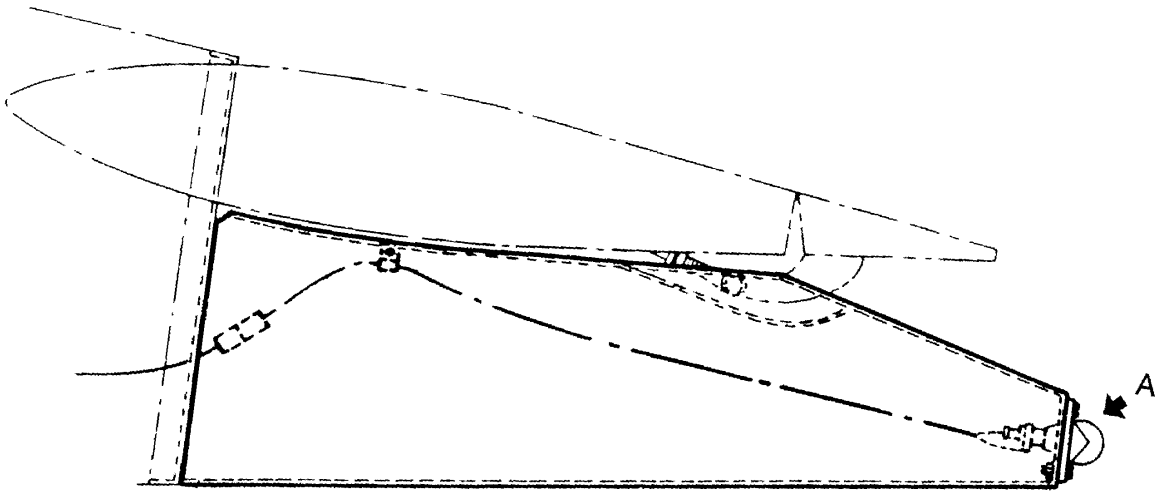
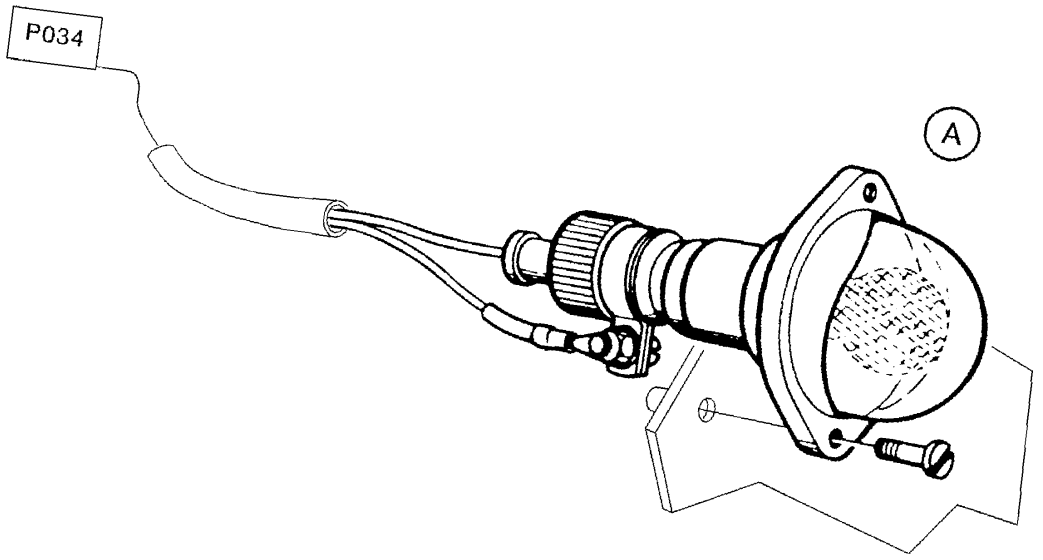
Navigation lights (wings)
Figure 2 - Option, S / N 765, 879 - 1850





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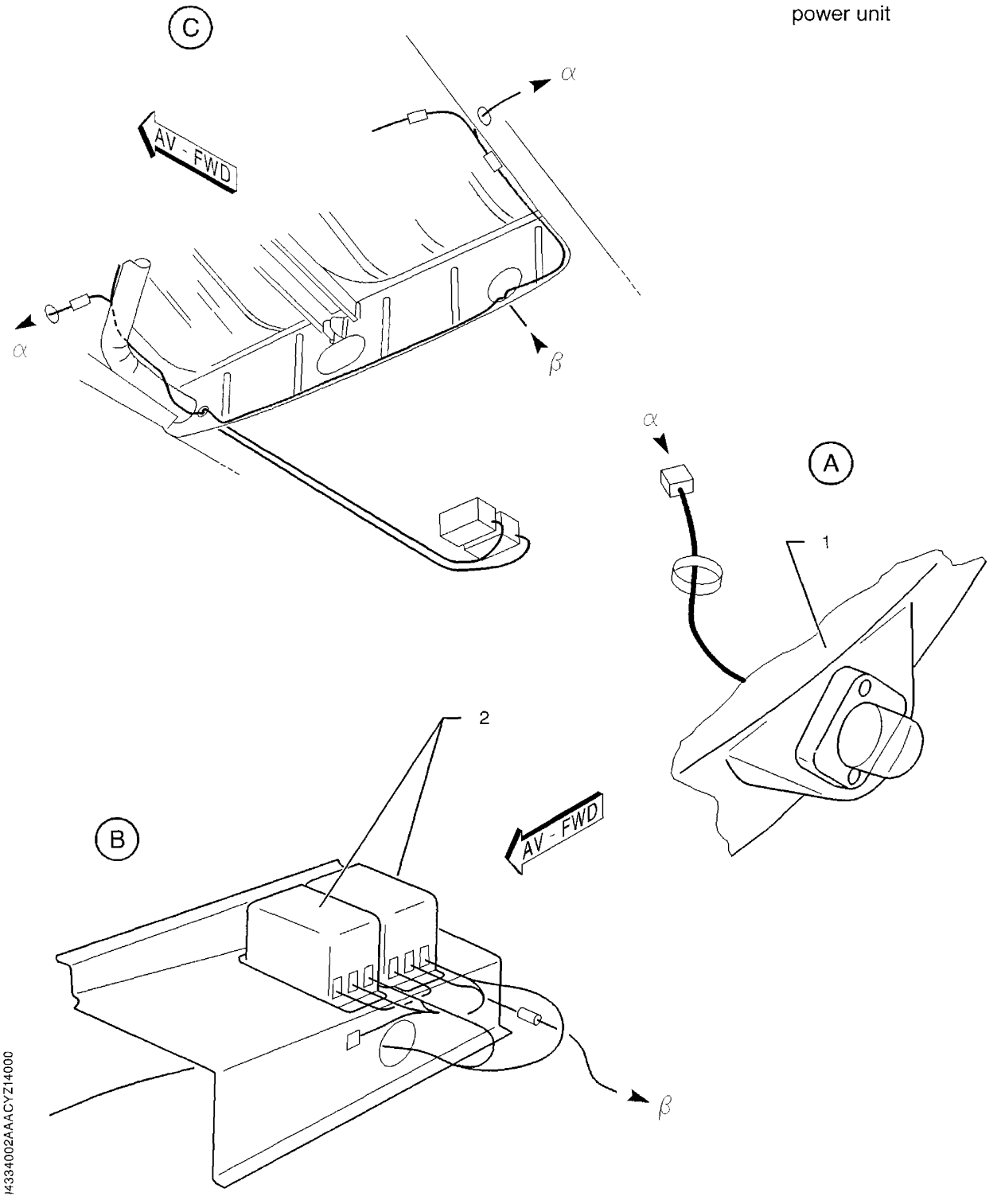
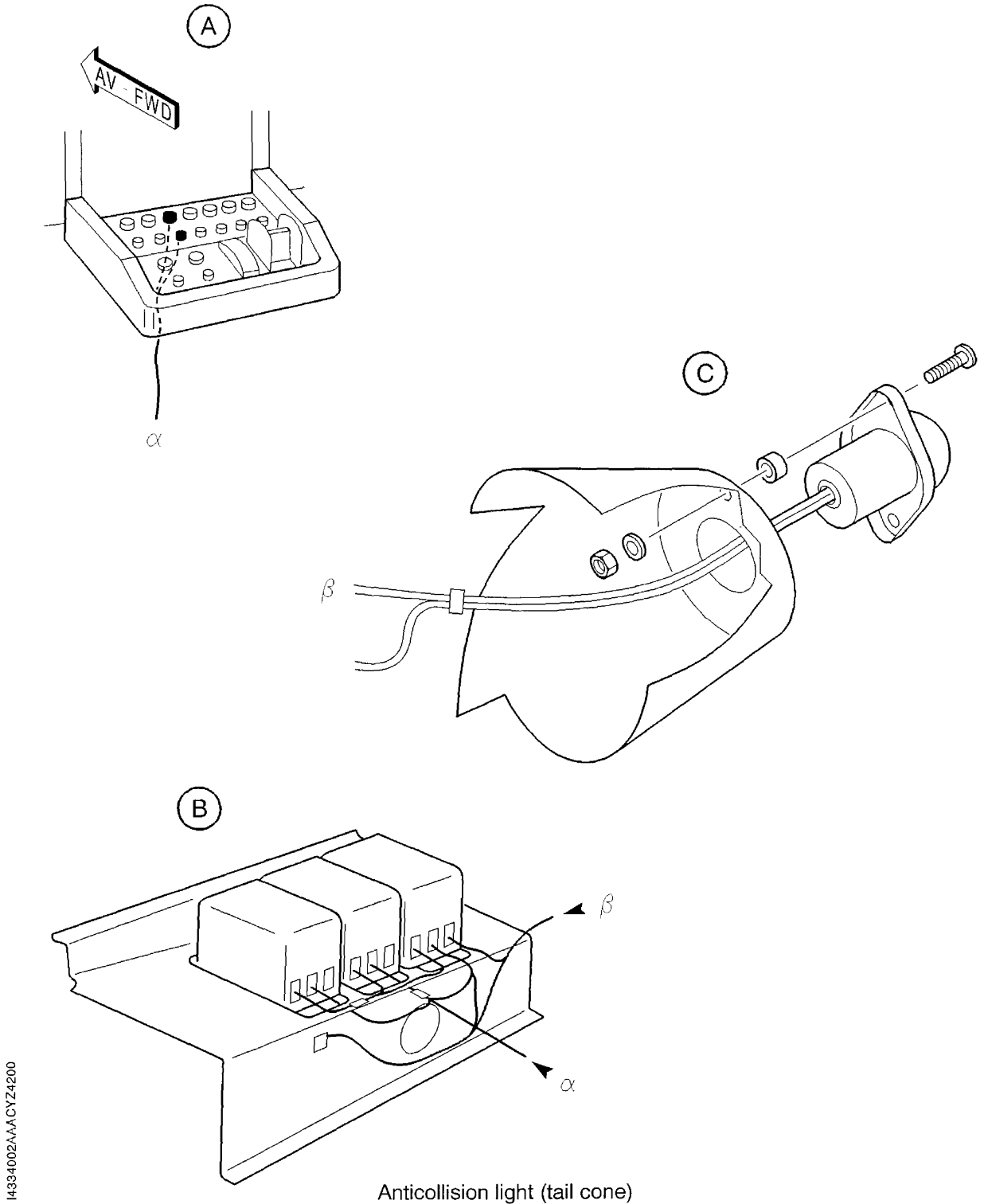
Navigation light (tail cone)
Figure 3 - Option

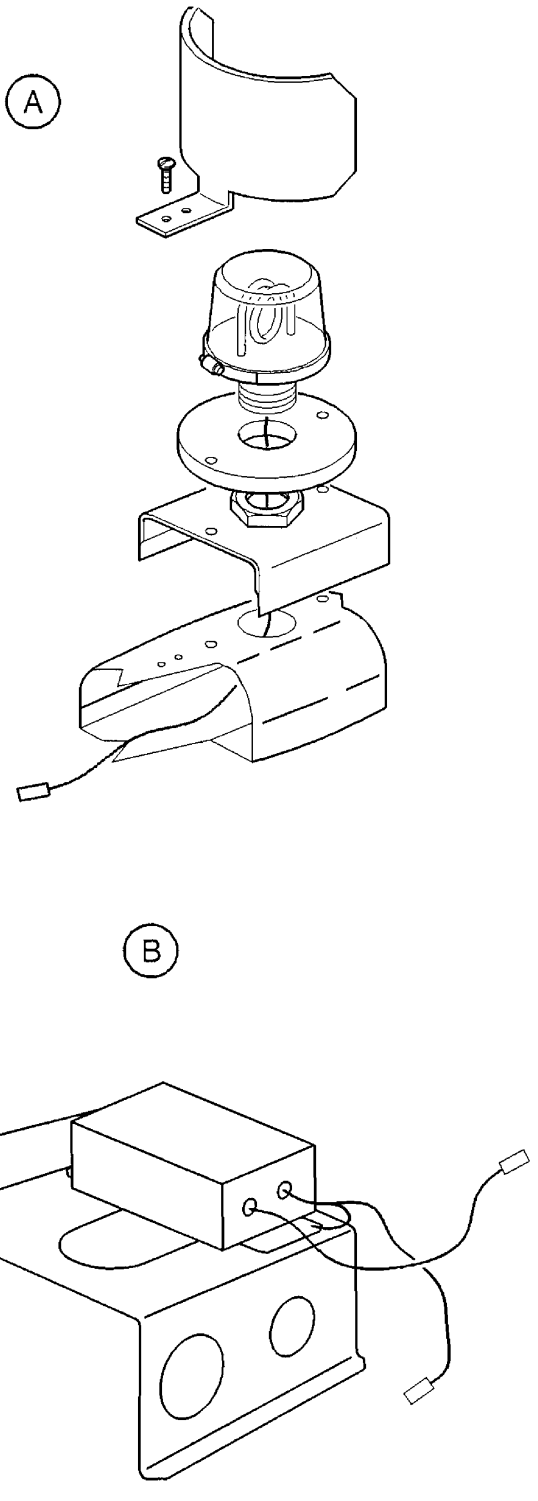
1 - Wing tip
2 - A31 anticollision lights power unit



Anticollision lights (wings)
Figure 4 - Option



Anticollision light (tail cone)
Figure 5 - Option



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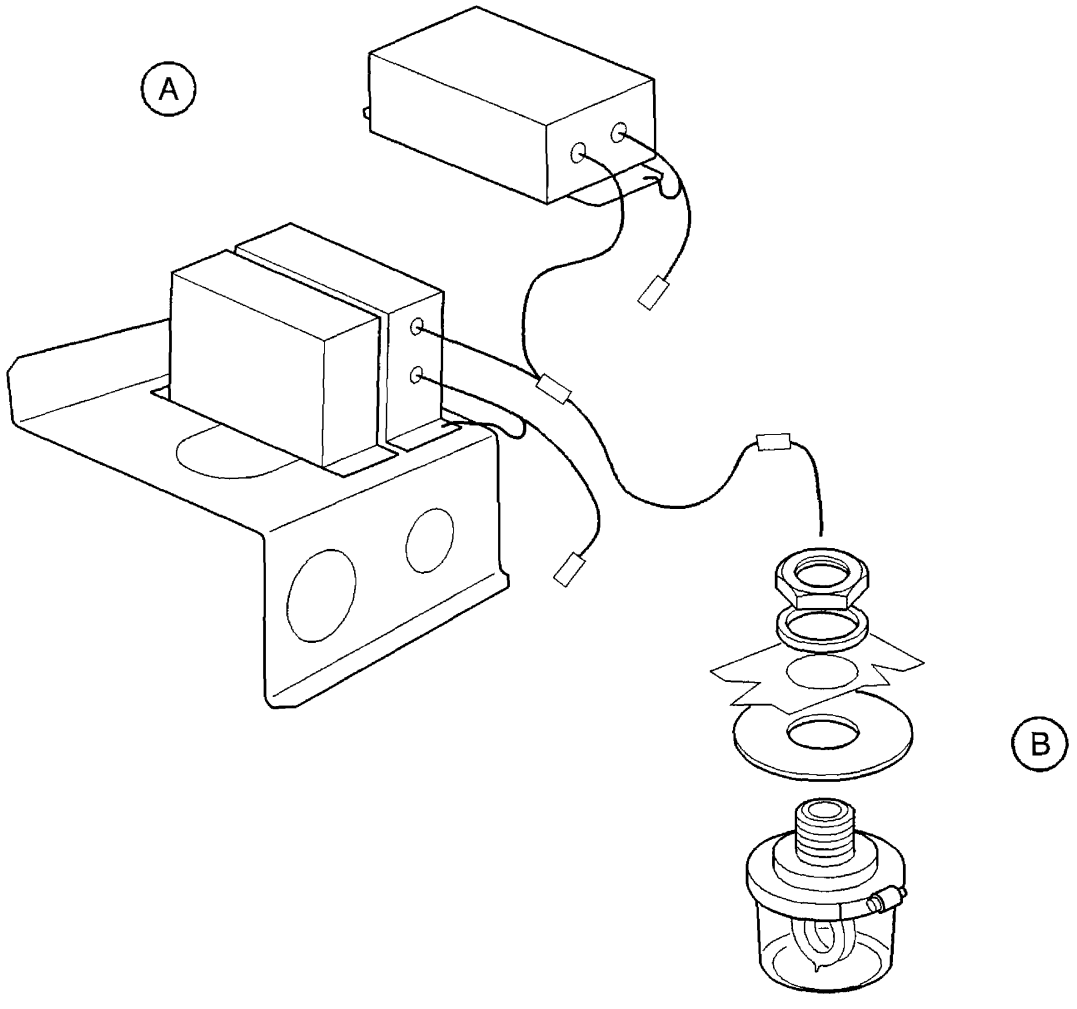
Strobe light (fin)
Figure 6 - Option



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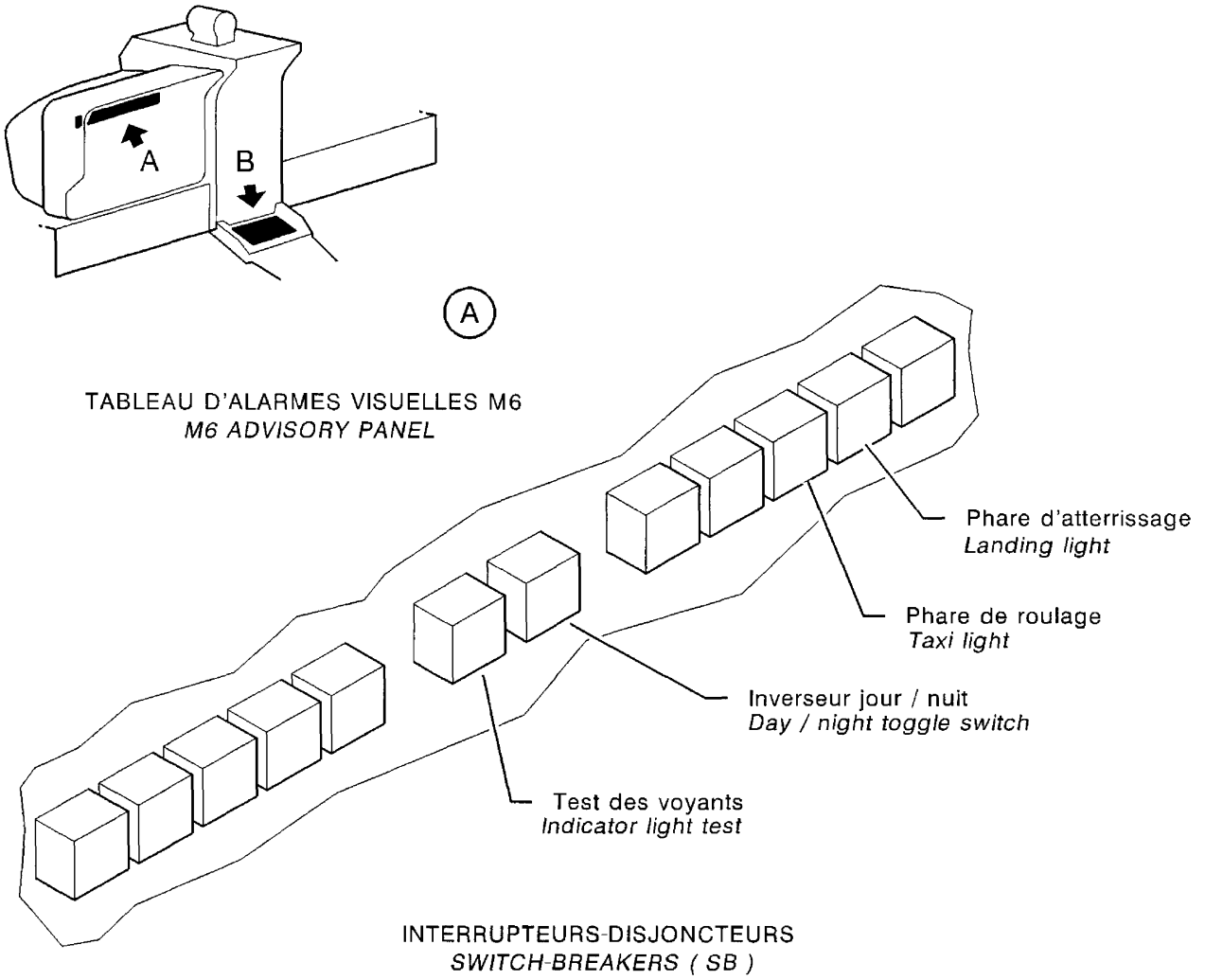
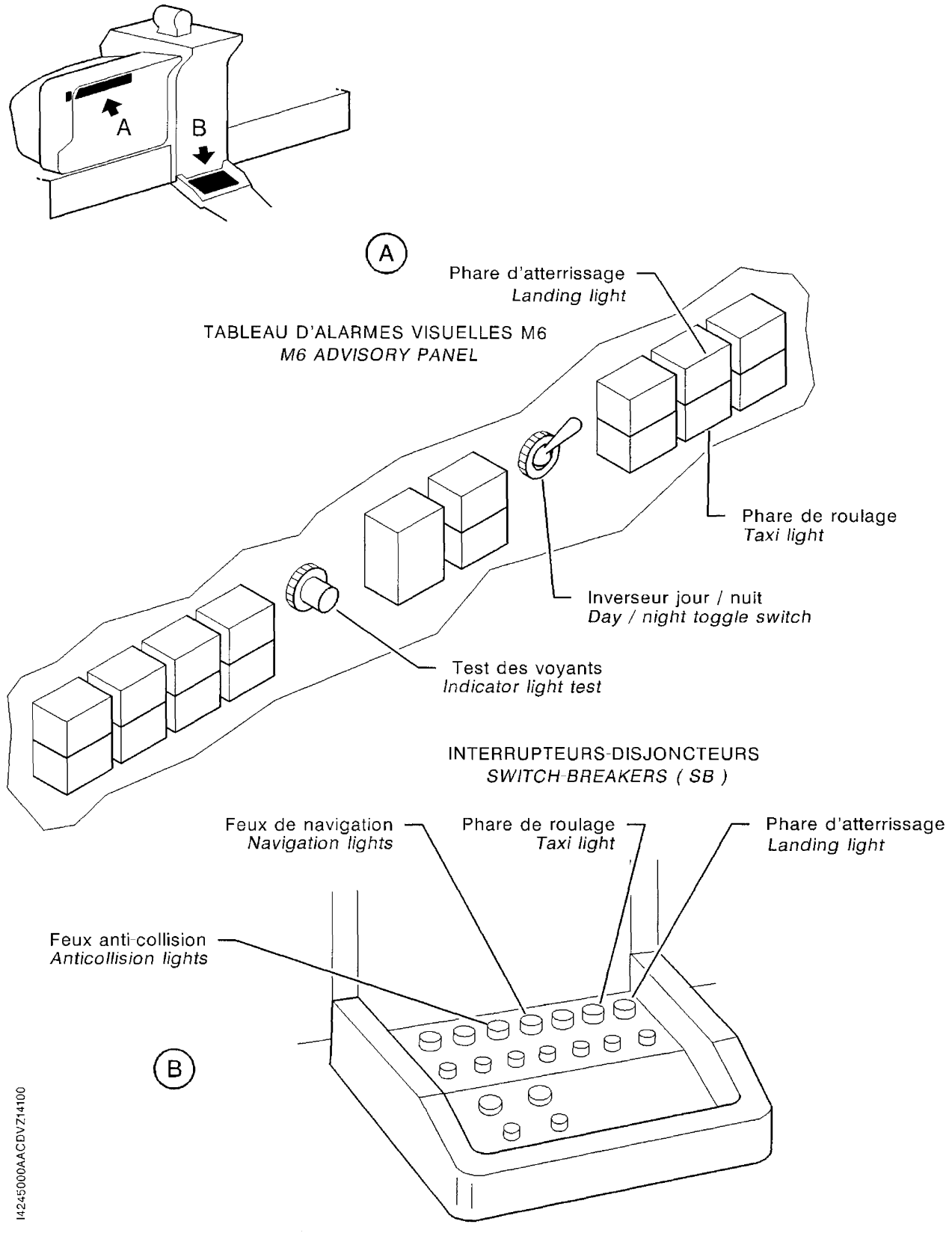
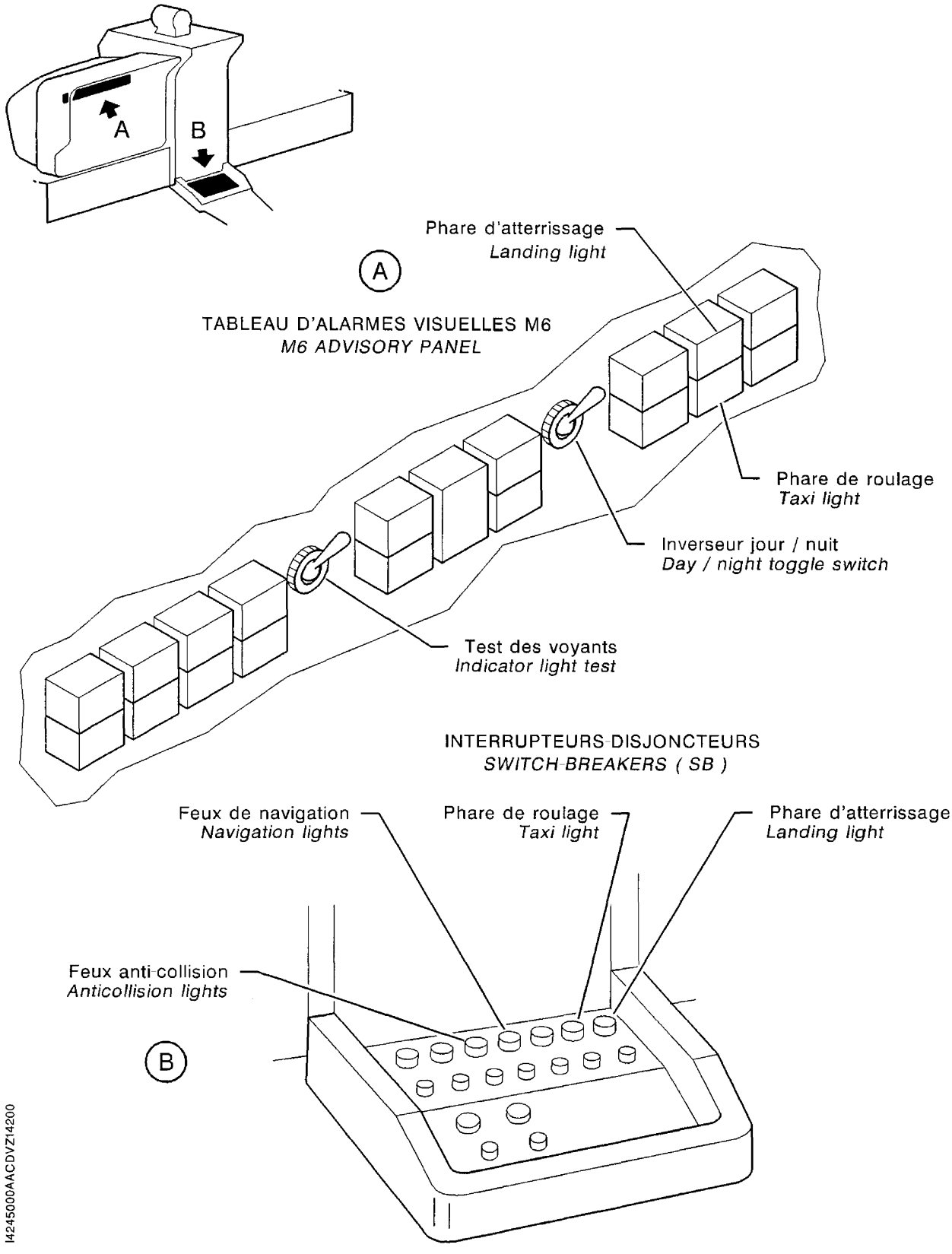
Strobe light (ventral)
Figure 7 - Option



Lights and lighting switches
Figure 8



Lights and lighting switches
Figure 8A



Lights and lighting switches
Figure 8B

EXTERNAL LIGHTING

DESCRIPTION AND OPERATION

1. GENERAL

The external lighting is the element of the lighting system ensuring the external lighting and indication of the aircraft.

The external lighting consists of :

- the landing light and the taxi light,
- the navigation and anticollision lights,
- the recognition lights (Option),
- the fin strobe light (Option),
- the A31 anticollision lights power unit,
- the A33 strobe light power unit,
- the S30 switch,
- the S141 switch (Option),
- the K141 relay (Option).

It also uses M6 advisory panel – refer to 31-50-00.

2. LOCATION

COMPONENT	QTY	AREA	ACCESS DOOR	REFERENCE
Landing light and taxi light	2	500	522	33-40-01
Navigation and anticollision light	2	500 600	517 617	33-40-02
Recognition light (Option)	2	500 600	517 617	33-40-00
Fin strobe light (Option)	1	310	/	33-40-00
A31 anticollision lights power unit	1	210	218	33-40-00
A33 strobe light power unit	1	220	242	33-40-00
Circuit-breakers : - CB 141 "RECOG. LIGHTS" - CB 42 "STROBES"	 1 1	 PL1 PL1	 / /	 WM WM

3. DESCRIPTION

A. Landing and taxi lights (Figures 1 and 4)

The landing and taxi lights are the elements of the sub-system which enable the pilot to see the landing runway and to direct the aircraft during taxiing. These lights are located into the leading edge of the L.H. wing. The illumination of the lights is controlled by switch-breakers, located on the front section of the central pedestal console.

Two green indicator lights (one for each function) located on M6 advisory panel, illuminate respectively when the switch-breakers are closed.

With light timer (Option)

A timer can be installed on L.H. wing tip in order to increase service life of landing and taxi lights. It allows a progressive energization. The timer is composed of a K203 relay and a R86 resistor for the taxi light, and a K204 relay and a R87 resistor for the landing light. The assembly is mounted on a support secured to N12 rib.

B. Navigation and anticollision lights (Figures 2 and 4)

The anticollision and navigation lights are grouped together into a single assembly secured on the tips of the wings.

Each assembly includes :

- a strobe bulb under a colorless dome,
- a halogen bulb under a colorless dome,
- a navigation bulb under a green dome on R.H wing tip and red dome on L.H. wing tip.

The illumination of the lights is controlled by switch-breakers, located on the front section of the central pedestal console.

The bulbs of the strobe lights are supplied by A31 anticollision lights power unit.

C. Recognition lights (Figures 2 and 4)

The aircraft can be equipped with recognition lights to enable it to be recognized in air traffic. These lights are located into the leading edge of the wing tips.

The illumination of the lights is controlled by S141 switch, located on the central console or on the L.H. strip. The circuit is electrically supplied by "BUS 3" bar and protected by CB 141 "RECOG. LIGHTS" circuit-breaker via K141 relay, secured on the L.H. side aft of frame C3.

A green indicator light, located on M6 advisory panel, illuminates when S141 switch is set to "ON".

D. Strobe light (Option) (Figure 3)

In addition to navigation lights, external lighting can include a strobe light installed on the vertical stabilizer.

The illumination of the light is controlled by a S30 switch located on the circuit-breaker panel.

The bulb of the strobe light is supplied by A33 strobe light power unit.

The circuit is electrically supplied by "BUS 3" bar and protected by CB 42 "STROBES" circuit-breaker.

E. A31 anticollision lights power unit (Figure 2)

The anticollision lights are electrically supplied by A31 anticollision lights power unit. The power unit is secured on the R.H. side aft of frame C3 and is electrically supplied by "BUS 3" bar.

F. A33 strobe light power unit (Figure 3)

The fin strobe light is supplied by A33 strobe light power unit.

This power unit is attached aft of frame C6, on the R.H. side, either on the bracket of vapor cycle cooling system (if installed), or directly on the frame.

4. OPERATION (Figure 4)

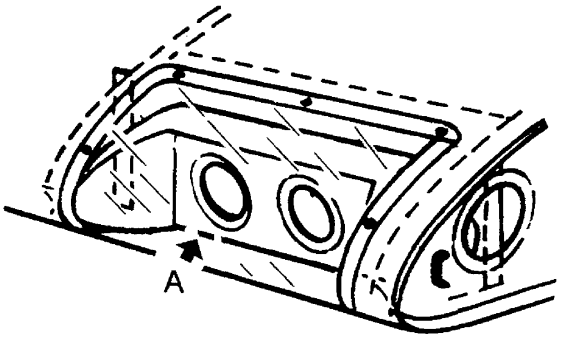
A. Lighting control

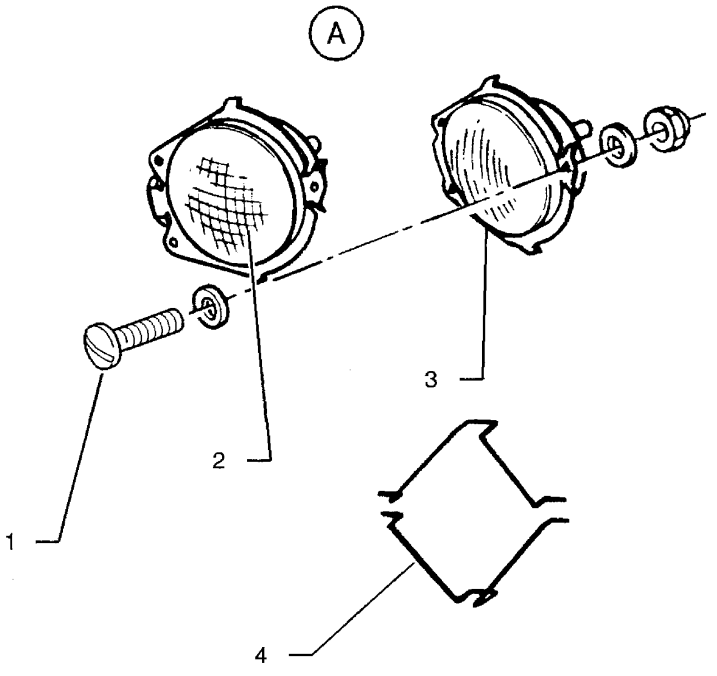
The switch-breakers, located on the central pedestal front part, control the lighting of landing and taxi lights, navigation lights and anticollision lights.

NOTE : The amperage value of the wing tip anticollision strobe light switch-breaker is increased when the aircraft is equipped with a tail cone strobe light.

A switch, located on the circuit-breaker panel, controls the strobe light illumination. This circuit is protected by a circuit-breaker located on the left of the switch.

1 - Adjustment screw
2 - Landing light
3 - Taxi light
4 - Spring





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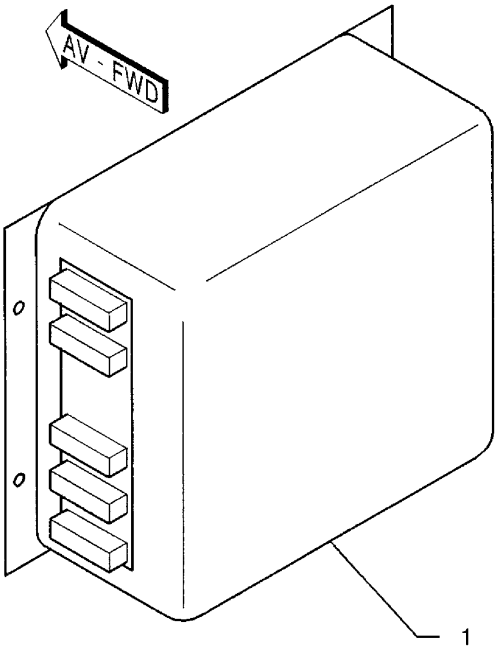
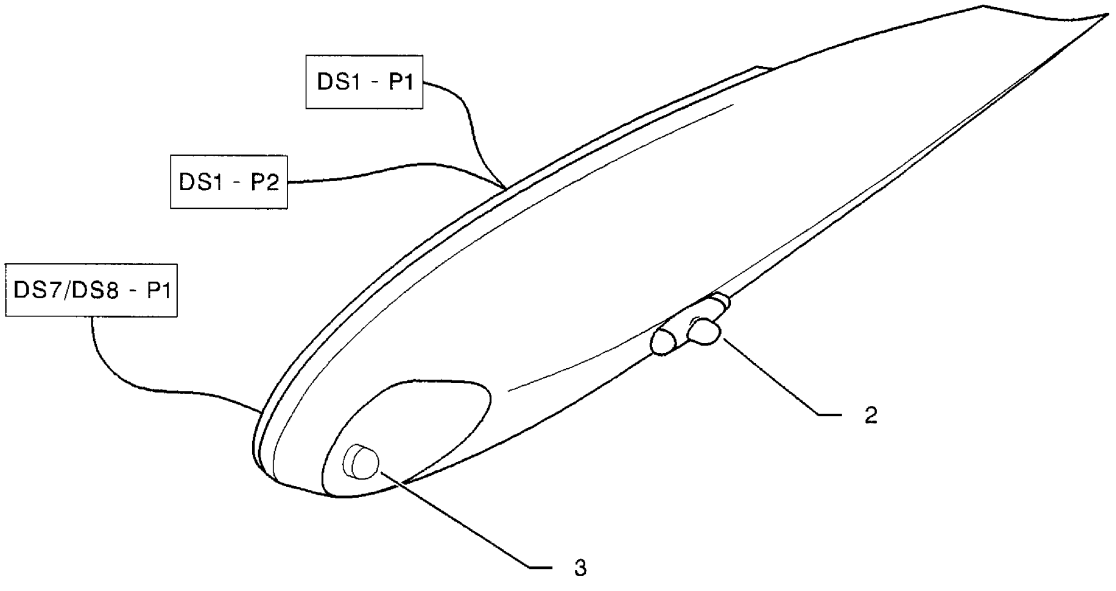
Landing and taxi lights
Figure 1

1 - A31 anticollision lights power unit
2 - Anticollision and navigation lights
3 - Recognition lights (Option)





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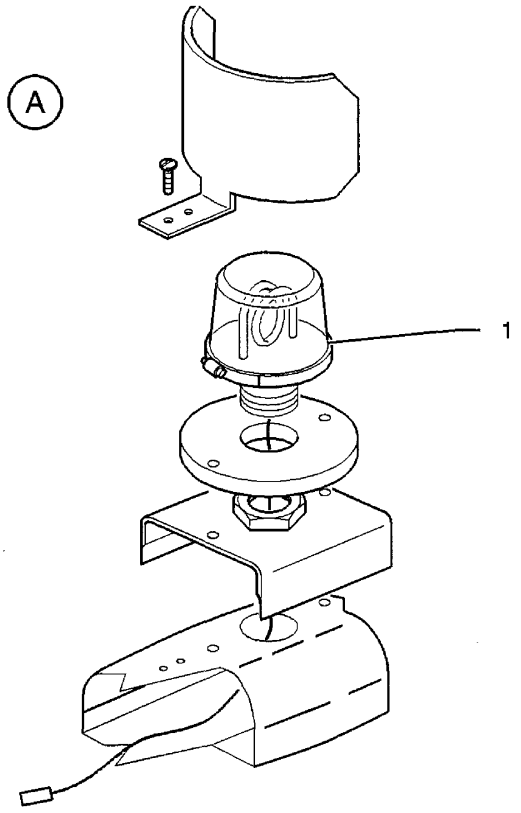
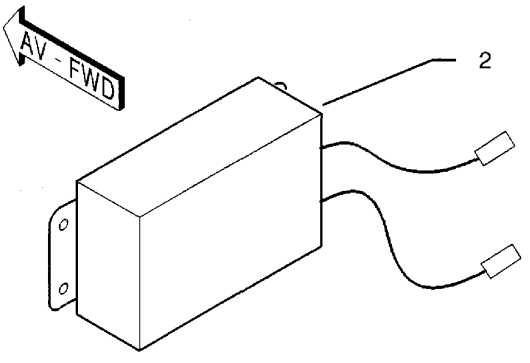
Anticollision and navigation lights
Figure 2

1 - Fin strobe light (Option)
2 - A33 strobe light power unit





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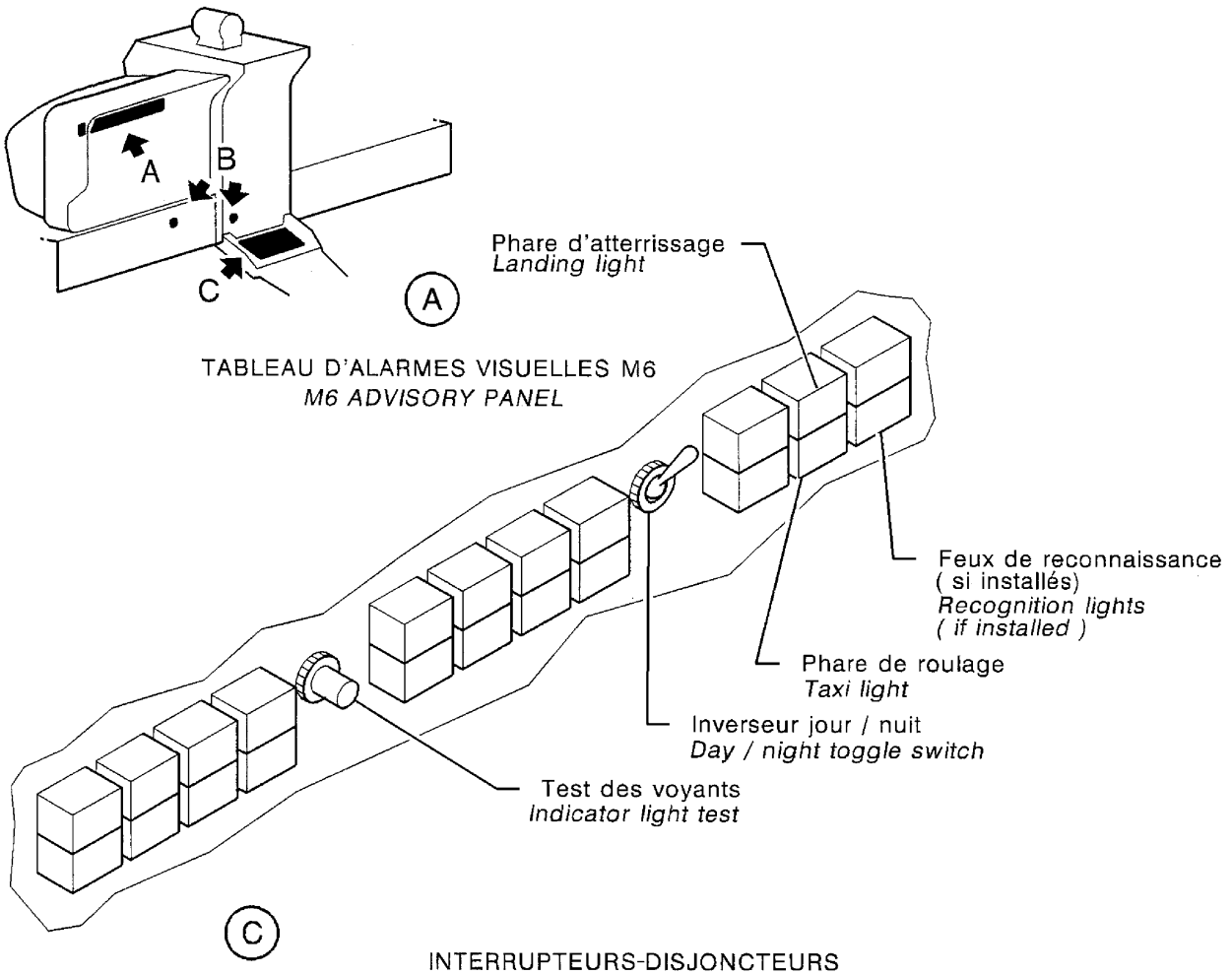
Fin strobe light (Option)
Figure 3



Indicator lights and lighting switches
Figure 4

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TAXI AND LANDING LIGHTS

REMOVAL / INSTALLATION

1. REMOVAL OF THE LIGHTS (Figure 401)

A. Tools and consumable materials

None

B. Procedure

1) Make sure that the main switch-breaker is open.

2) Make sure taxi light and landing light switch-breakers are open.

3) Install the warning sign prohibiting main switch-breaker operation.

WARNING

DO NOT OPERATE
MAINTENANCE WORK IN PROGRESS

4) Remove screws (6), washers (7) and lens (8).

5) Remove screws (12), washers (13) and cover (11).

NOTE : On some versions, the cover is integral with the lens.

6) Hold the light, remove both springs (16), remove screws (14) and washers (15) securing wires (2).

7) Clear and remove the light.

2. INSTALLATION OF THE LIGHTS (Figure 401)

A. Tools and consumable materials

- Varnish (TB 07-901)

B. Procedure

1) Secure wires (2) with screws (14) and washers (15) on the rear face of the light.

NOTE : Lock the screws with varnish (TB 07-901).

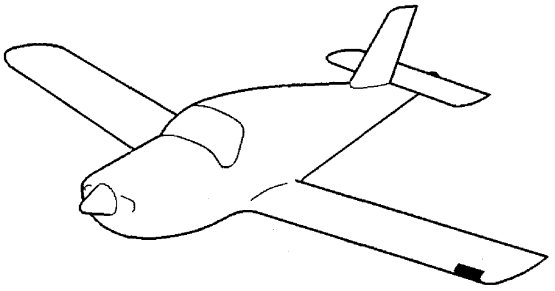
2) Position the light against support (5) while paying attention to foolproof device (1), secure with springs (16).

3) Perform an operational test of the lights.

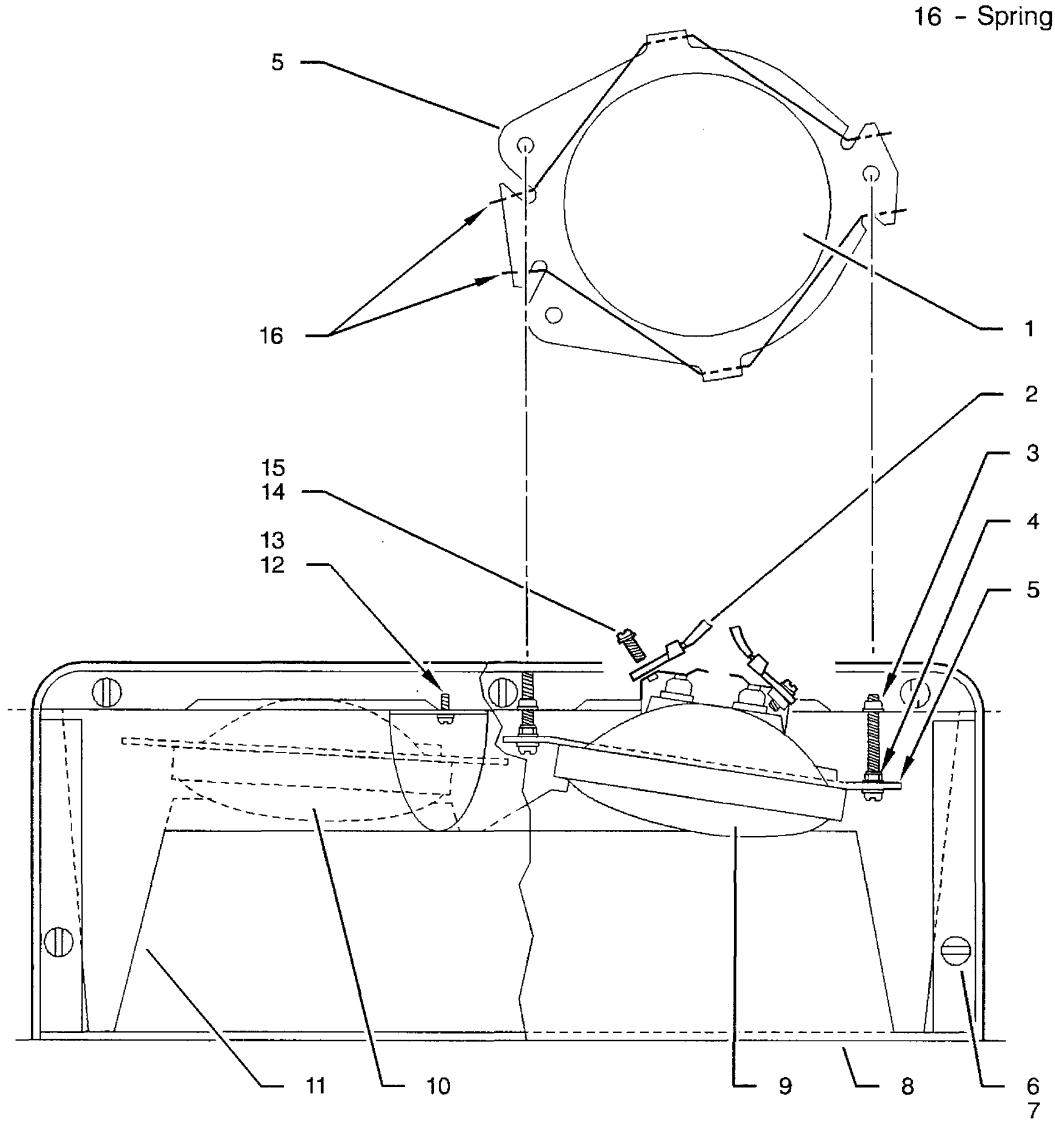
4) Make sure all the tools and materials are removed and the work area is clean and free from debris.

5) Remove the warning sign prohibiting main switch-breaker operation.

6) Install cover (11) and lens (8).



1 - Foolproof device
2 - Wire
3 - Screw
4 - Jam nut
5 - Support
6 - Screw
7 - Washer
8 - Lens
9 - Taxi light
10 - Landing light
11 - Cover
12 - Screw
13 - Washer
14 - Screw
15 - Washer
16 - Spring



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Lights - Removal / Installation
Figure 401

TAXI AND LANDING LIGHTS

ADJUSTMENT / TEST

1. ADJUSTMENT OF THE LIGHTS (Figure 501)

A. Tools and consumable materials

None

B. Procedure

NOTE : Light beam checks and adjustments must be carried out at night or in a room where daylight can be dimmed.

1) Remove screws (6), washers (7) and lens (8).

2) Remove screws (12), washers (13) and cover (11).

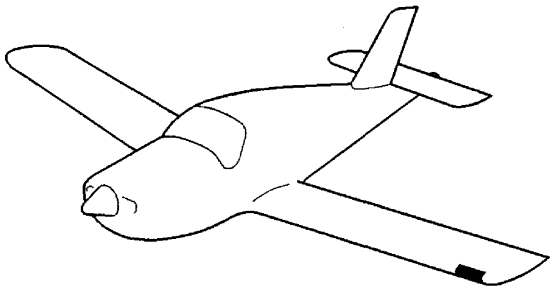
NOTE : On some versions, the cover is integral with the lens.

3) Unscrew jam nut(s) (4) and screw in or out one, two or three screws (3) of the light being adjusted.

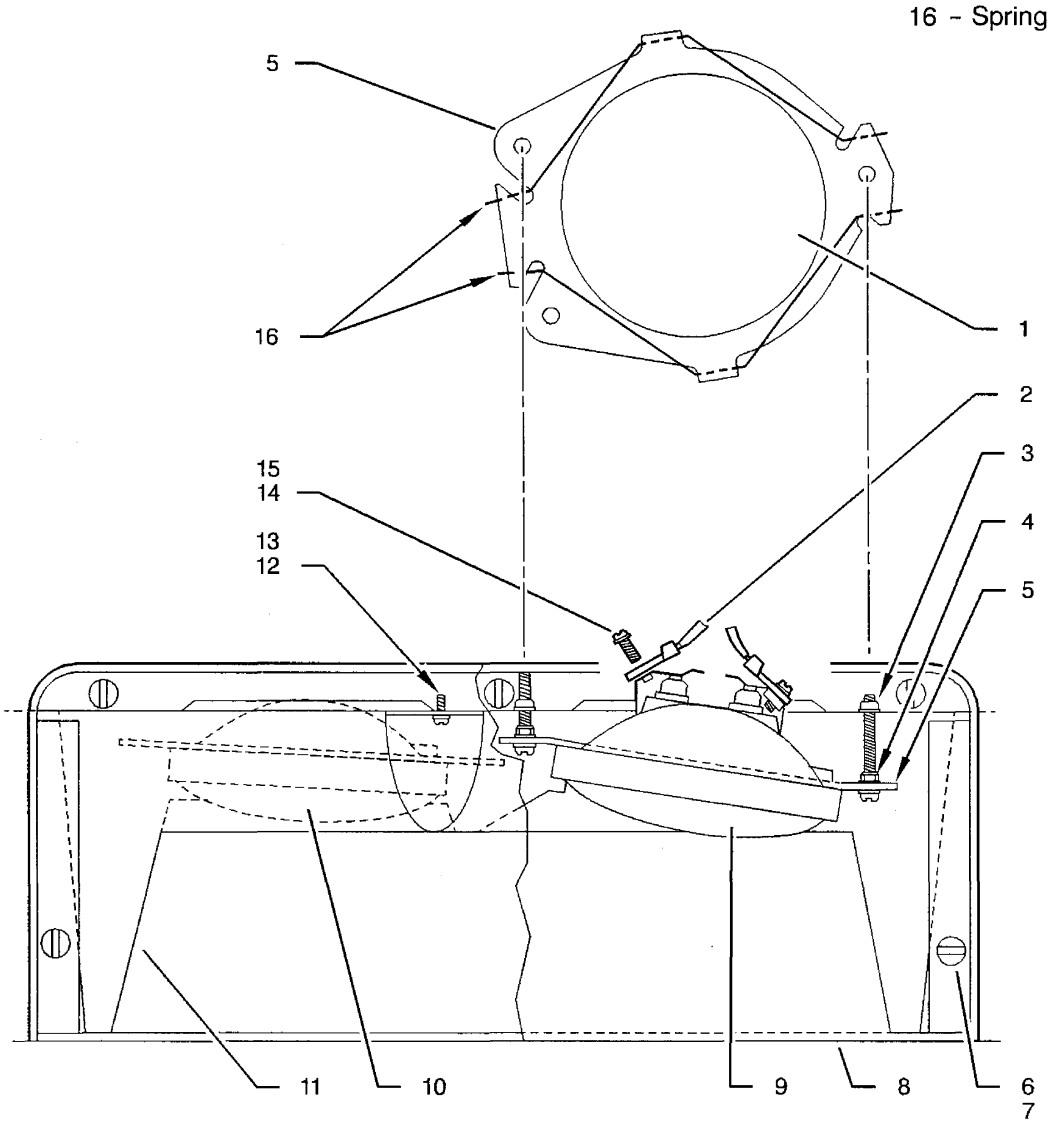
4) When the desired adjustment is obtained (check on wall or on panel), tighten jam nut(s) (4) while holding screw(s) (3).

5) Make sure all the tools and materials are removed and the work area is clean and free from debris.

6) Install cover (11) and lens (8).



1 - Foolproof device
2 - Wire
3 - Screw
4 - Jam nut
5 - Support
6 - Screw
7 - Washer
8 - Lens
9 - Taxi light
10 - Landing light
11 - Cover
12 - Screw
13 - Washer
14 - Screw
15 - Washer
16 - Spring



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Lights - Adjustment / Test
Figure 501

TAXI AND LANDING LIGHTS

INSPECTION / CHECK

1. CHECK OF THE LIGHTS (Figure 601)

A. Tools and consumable materials

- Jacks

B. Procedure

NOTE : Light beam checks and adjustments must be carried out at night or in a room where daylight can be dimmed.

1) Position the aircraft (axis of main landing gear wheels) at 43 ft. 6 in. (13.25 m) from a wall or a panel bearing marks made with chalk or self-adhesive paper.

2) Jack up and level the aircraft - refer to 07-10-00 and 08-00-00, the door step must be at 4 ft. 1 in. (1.25 m) from the ground.

3) Close main switch-breaker.

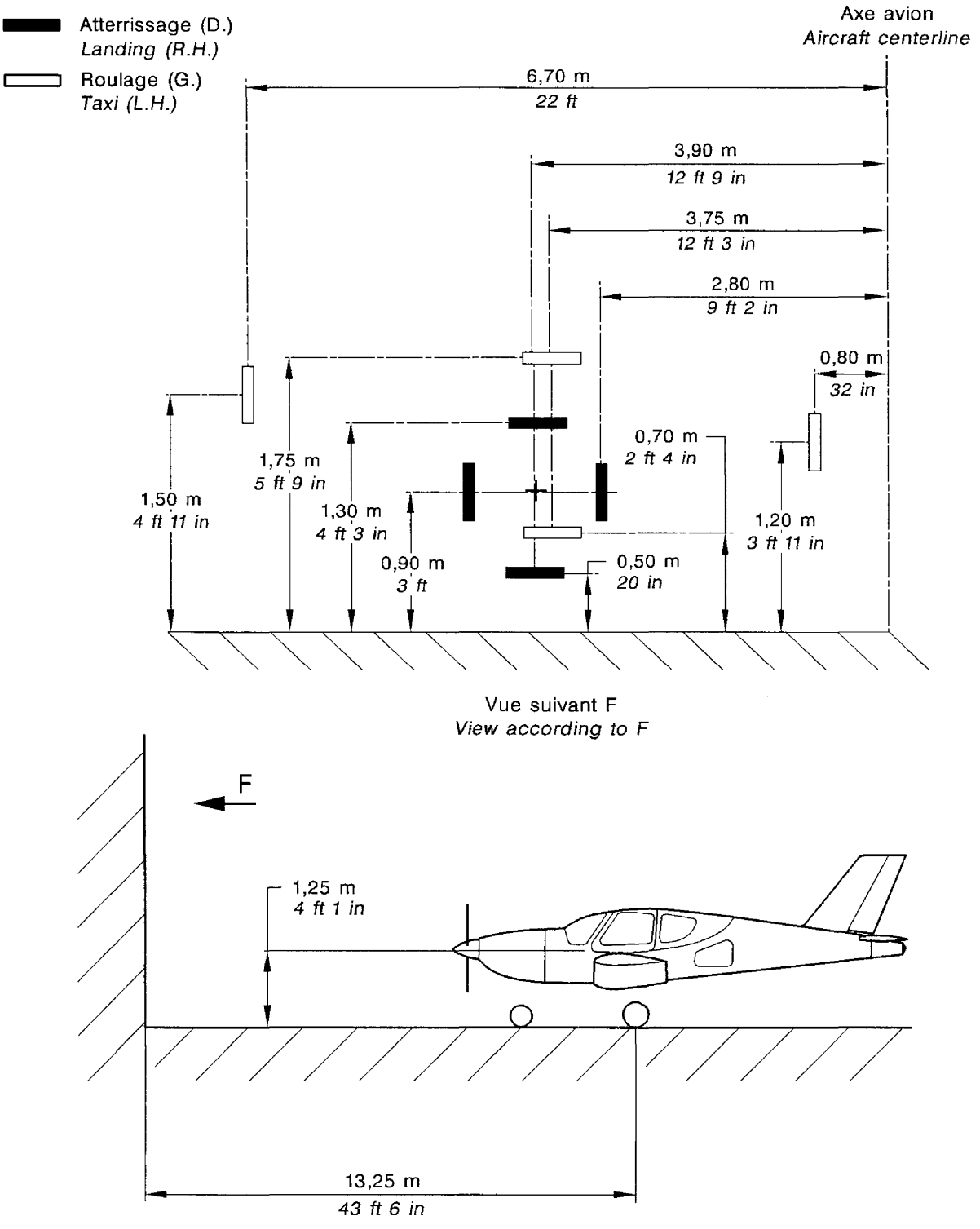
4) Close landing light switch-breaker.

5) Check the corresponding light beam on the wall or the panel, adjust if necessary - refer to Page 501.

6) Open landing light switch-breaker and proceed in the same way for the taxi light.

7) Open main switch-breaker.

8) Lower the aircraft to ground and remove the jacks - refer to 07-10-00.



Check and adjustment of the lights
Figure 601

ANTICOLLISION AND NAVIGATION LIGHTS

REMOVAL / INSTALLATION

NOTE : This procedure is applicable to L.H. and R.H. installations. Information specific to R.H. installation are given in square brackets.

1. REMOVAL - ANTICOLLISION AND NAVIGATION LIGHTS (Figure 401)

A. Tools and consumable materials

- Extraction tool AMP 1-305183-1

B. Procedure

1) Make sure the main navigation light and strobe light switch-breakers are open.

2) Install the warning sign prohibiting main switch-breaker operation.

WARNING

DO NOT OPERATE
MAINTENANCE WORK IN PROGRESS

WARNING : PRESENCE OF HIGH VOLTAGE, WAIT AT LEAST FIVE MINUTES AFTER TURNING OFF POWER BEFORE STARTING WORK ON THE SYSTEM.

3) Remove the navigation light bulb

a) Remove screws (9), hold lens retainer (8).

b) Hold domes (6), (10) and (11) and remove lens retainer (8).

CAUTION : IF BULB (5) IS NOT TO BE DISCARDED, HANDLE IT GENTLY WITH A CLEAN CLOTH.

c) Remove the domes, remove bulb(s) (5) or (12).

4) Remove the flash tube assy

a) Remove the wing tip - refer to 57-30-00.

b) Hold lens retainer (8), remove screws (9).

c) Hold domes (6), (10) and (11), remove lens retainer (8) and domes (6), (10) and (11).

d) Cut off and discard the tie-wraps.

e) Mark the three leads connected to connector (2) and extract the three contacts using the extraction tool.

NOTE : The tool unlocks the contacts clip.

CAUTION : IF THE FLASH TUBE ASSY (7) IS NOT TO BE DISCARDED, HANDLE IT GENTLY WITH A CLEAN CLOTH.

f) Remove flash tube assy (7).

5) Remove light assy

a) Remove the wing tip - refer to 57-30-00.

b) Remove the sealing bead around the light.

c) Hold lens retainer (8), remove screws (9).

d) Hold domes (6), (10) and (11), remove lens retainer (8) and domes (6), (10) and (11).

e) Unscrew knurled knob (16) and disconnect the leads from connector (1) of light assy.

f) Remove screws (14).

g) Remove light assy.

2. INSTALLATION - ANTICOLLISION AND NAVIGATION LIGHTS (Figure 401)

A. Tools and consumable materials

- Extraction tool AMP 1-305183-1
- Sealant (TB 09-002A)
- Loctite (TB 08-013C)
- Tie-wraps

B. Procedure

1) Install flash tube assy

a) Remove the contacts of the connector supplied with the light, route the leads through grommet (15).

b) Reconnet connector (2) leads as follows :

- red lead to terminal No. 1,
- black lead to terminal No. 2,
- white lead to terminal No. 3.

CAUTION : DO NOT HANDLE FLASH TUBE ASSY (7) DIRECTLY WITH FINGERS. ALWAYS USE A CLEAN CLOTH.

c) Position grommet (15) correctly on support (4), position flash tube assy (7) in its housing.

d) Make sure gaskets (3) and (13) are present and in correct condition, install domes (6), (10) and (11), install lens retainer (8) and secure with screws (9).

NOTE : Dome (11) is green for the R.H. light and red for the L.H. light.

e) Bind the leads with tie-wraps.

f) Make sure all the tools and materials are removed and the work area is clean and free from debris.

g) Install the wing tip - refer to 57-30-00.

2) Install navigation light bulb

CAUTION : DO NOT HANDLE BULB (5) DIRECTLY WITH FINGERS. ALWAYS USE A CLEAN CLOTH.

a) Install bulb (5) or (12).

b) Inspect gaskets (3) and (13) for condition.

c) Install domes (6), (10) and (11).

NOTE : Dome (11) is green for the R.H. light and red for the L.H. light.

d) Install lens retainer (8), secure with screws (9).

3) Install light assy

a) Inspect the interfaces for cleanliness and condition.

b) Position and secure the light assy into the wing tip with screws (14) coated with loctite (TB 08-013C).

NOTE : If the light is replaced, unscrew knurled knob (16) before routing the leads through the smallest orifice of the wing tip.

c) Install domes (6), (10) and (11), install and secure lens retainer (8) with screws (9).

NOTE : Dome (11) is green for the R.H. light and red for the L.H. light.

d) Tighten knurled knob (16) onto the light assy.

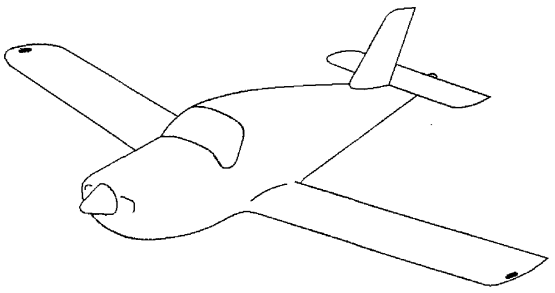
e) Apply a bead of sealant (TB 09-002A) around the light assy.

f) Make sure all the tools and materials are removed and the work area is clean and free from debris.

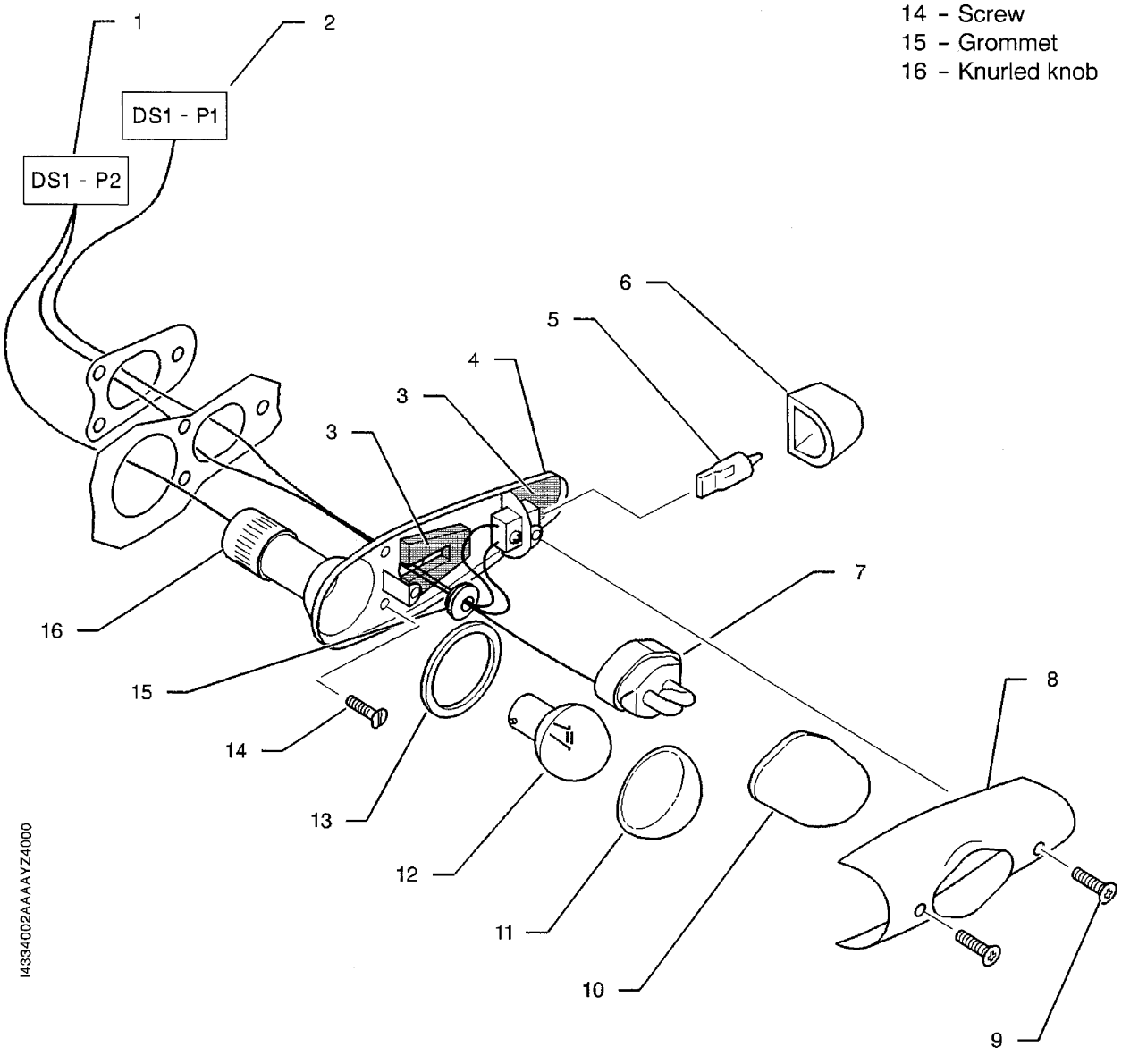
g) Install the wing tip - refer to 57-30-00.

4) Remove the warning sign prohibiting main switch-breaker operation.

5) Perform an operational test of anticollision and navigation lights - refer to Page 501.



1 - Connector
2 - Connector
3 - Gasket
4 - Support
5 - Bulb
6 - Dome
7 - Flash tube assy
8 - Lens retainer
9 - Screw
10 - Dome
11 - Dome
12 - Bulb
13 - Gasket
14 - Screw
15 - Grommet
16 - Knurled knob



Anticollision and navigation lights - Removal / Installation
Figure 401

AAAA
Validity : Post-MOD. 151

ANTICOLLISION AND NAVIGATION LIGHTS

ADJUSTMENT / TEST

1. OPERATIONAL TEST OF ANTICOLLISION AND NAVIGATION LIGHTS

A. Tools and consumable materials

- Ground power unit

B. Procedure

1) If required, connect the ground power unit - refer to 24-40-00.

2) Perform the following test :

ACTION	RESULT
(1) Close main switch-breaker.	
(2) Close navigation light switch-breaker.	(a) Navigation lights come on.
(3) Open navigation light switch-breaker.	
(4) Close anticollision lights switch-breaker.	(a) Anticollision lights flash.
(5) Open anticollision lights switch-breaker.	
(6) If installed, close recognition lights circuit-breaker.	
(7) Set S141 switch to "ON".	(a) Recognition lights operate, green indicator light comes on.
(8) Set S141 switch to "OFF".	
(9) Open recognition lights circuit-breaker.	
(10) Open main switch-breaker.	

3) If connected, disconnect the ground power unit - refer to 24-40-00.

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