

This installation applies to Cessna model 180 which has a rotating beacon located in the stationary vertical stabilizer. The FS-4400 Flight Strobe is dimensionally equivalent to the original rotating beacon installation. Install per the following steps.

- 1 Assure the aircraft master power switch is in the off position and disconnect the aircraft ground cable from the ground terminal (-) of the aircraft battery. See aircraft manufacturer's Maintenance Manual for specific instructions regarding this procedure.
- 2 Remove the screws securing the rotating beacon in position in the vertical stabilizer housing. Remove the rotating beacon from the stabilizer housing disconnecting the power & ground leads assuring adequate wire length to make the connections with the FS-4400 Flight Strobe.
- 3 Strip the power wire and utilize the supplied connectors (or approved equivalent) to splice the existing power wire lead to the FS-4400 Flight Strobe power wire.
- 4 Attach the existing aircraft ground wire to the FS-4400 Flight Strobe ground connector utilizing the screw in the strobe housing and tighten securely.
- 5 Insert the flight strobe in the vertical stabilizer housing allowing 3/4" to extend out of the mounting opening. Rotate to align the forward vertical slot of the FS-4400 Flight Strobe with the centerline of the aircraft.
- 6 Insert three to six of the # 6 X 5/16" metal screws through the existing holes located approximately one inch below the top opening of the stabilizer housing into the corresponding vertical slots and tighten securely. NOTE: Vertical stabilizer housing may be re-drilled if necessary to assure proper alignment with vertical slots on strobe case. DO NOT drill into FS-4400 Flight Strobe. Holes in the case will VOID the warranty!
- 7 Install "Turn off strobe in fog or clouds" placard (FS-258) adjacent to existing anti-collision switch on the cockpit panel in a clearly visible location.
- 8 Reconnect aircraft ground cable to battery ground terminal (-) and test anti-collision light operation assuring fuse and/or circuit breaker does not trip and radio interference does not exist.
- 9 Make an aircraft logbook entry per FAR 43.9 (a) stating the Universal Corporation Model FS-4400 Flight Strobe was installed per STC # SA200RM. NOTE: Installation on other aircraft types & models require filing an FAA Form 337 per FAR 43 Appendix B requesting a 'One Time STC' approval prior to flight operations. Installation is now complete.

Date	SYM	Revision	DRN	APP
3/26/80	A	Added	Ron	Van
4/8/80	B	Revised Paragraph	Ron	Van
4/16/80	C	Revised	Ron	Van
2/26/87	D	ECO # 19	Nancy	Van
3/3/92	E	ECO # 33	Nancy	Nan
11/10/04	F	Revised Paragraph	BJH	GEJ

Bulletin For Compliance with order 8300.10 (Instructions for Continued Airworthiness)

The flashtube light output drops 10% after first 2000 hrs.. At 3000 hrs., the light out put has dropped below 75%. We recommend that the flashtube be replaced at 2000 hrs.. If the flash tube is used beyond 2000 hrs., the light output should be measured photometricly. Other maintenance includes cleaning or replacing strobe lens as necessary.


Do not attempt to loosen the inner screws on the bottom of the strobe, this could cause intermittent operation. Before changing flashtubes, short lamp leads together to avoid possible shock.

Warning:

Warranty void if holes are drilled into strobe housing!

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For proper mounting; position holes in aircraft to align supplied screws into vertical slots of strobe housing. If alternate hardware is used, assure screws are equivalent diameter and proper thread grip length. DO NOT penetrate the strobe housing as permanent damage to unit may result and warranty is void.

Tol. N/A	<small>Since 1969</small>  <small>CORPORATION</small>		
Dec. N/A		Scale N/A	Drn. Ron
Fract. N/A	Title	Flight Strobe	
Ang. N/A	Date	FS-001	
	11/10/04		
		App. Van	

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number SA200RM

This certificate issued to: Universal Corporation
12253 Concord-Hambden Road
Concorde Township, Ohio 44077

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Federal Aviation Regulations.

Original Product - Type Certificate Number: SA6
Make: Cessna Aircraft Company
Model: 180, All

Description of Type Design Change:

Installation of flight strobe light, Model 4400, in accordance with FAA approved Drawing List FS 246, or FAA approved revisions.

Limitations and Conditions:

This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of these other previously approved modifications will introduce no adverse effect upon the airworthiness of the aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: September 27, 1979

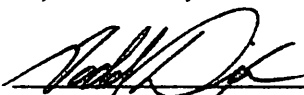
Date reissued: October 10, 1985; February 9, 2011
April 21, 2011

Date of issuance: April 22, 1980

Date amended:



By direction of the Administrator


(Signature)

Todd Dixon
Manager, Denver Aircraft Certification Office
(Title)