

REVISION TRANSMITTAL

This sheet transmits Revision 1 to SB525A-33-06 which:

- A. Adds airplanes -0418 thru -0438 to the Serial Effectivity.

NOTE: This revision replaces the original issue of SB525A-33-06.

REVISION COMPLIANCE

NO EFFECT. Airplanes previously modified by this service bulletin are not affected by this revision.

LOG OF REVISIONS

Original Issue	September 25, 2016
Revision 1	December 17, 2020

TITLE

LIGHTS - WING TIP LED LIGHT MODIFICATION

EFFECTIVITY**MODEL**

525A (CJ2)

525A (CJ2+)

SERIAL NUMBERS

-0001 thru -0244

-0300 thru -0416, -0418 thru -0438

NOTE: Textron Aviation-owned Service Centers are the only facilities that can complete this service document.

REASON

Replacement parts for the existing wingtip navigation/anti-collision lights are not procurable and customers have requested to upgrade these lights to LED.

DESCRIPTION

This service bulletin provides parts and instructions to install LED wing tip lights.

COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

No individual or corporate organization other than Textron Aviation is authorized to make or apply any changes to a Textron Aviation-issued service document or flight manual supplement without prior written consent from Textron Aviation.

Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

APPROVAL

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

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Textron Aviation Customer Service, P.O. Box 7706, Wichita, KS 67277, U.S.A. 1-316-517-5800

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FLIGHT CREW OPERATIONS

No Changes

CONSUMABLE MATERIAL

You must use the consumable materials that follow, or their equivalent, to complete this service document.

NAME	NUMBER	MANUFACTURER	USE
Color Chemical Film Treatment	Alodine 1201	Henkel (Parker Amchem) 32100 Stephenson Highway Madison Heights, MI 48071	To protect the bare aluminum.
Corrosion Resistant Primer	K000574	Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215	To protect against corrosion.

TOOLING

No specialized tooling is required to complete this service document.

WEIGHT AND BALANCE INFORMATION

Negligible

MODEL	525A
WEIGHT CHANGE	- 3.06 pounds
RESULTANT MOMENT	- 893.61 inch-pounds
MOMENT/100	- 8.94 inch-pounds

REFERENCES

Cessna Model 525A Maintenance Manual
 Cessna Model 525A Illustrated Parts Catalog
 Cessna Model 525A Wiring Diagram Manual
 ICA-525A-33-00001 *Wingtip LED Lighting Update* ICA Supplement

NOTE: To install the wing tip LED light modification on your airplane, you must get the engineering documents that follow. You must use the most recent revision and all of the applicable drawing change notices (DCN) for each engineering document.

DOCUMENT NUMBER	TITLE
6397112	LED Wing Tip Mod
9190283	NAV & Anti-Collision Light Mod W/A

PUBLICATIONS AFFECTED

Cessna Model 525A Maintenance Manual
 Cessna Model 525A Illustrated Parts Catalog
 Cessna Model 525A Wiring Diagram Manual

ACCOMPLISHMENT INSTRUCTIONS

1. Prepare the airplane for maintenance.
 - A. Make sure that the airplane is electrically grounded.
 - B. Make sure that all switches are in the OFF/NORM position.

- C. Disconnect electrical power from the airplane.
 - (1) Disconnect the airplane battery.
 - (2) Disconnect external electrical power.
 - D. Attach maintenance warning tags to the battery and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.
2. Remove the current navigation and anti collision light assemblies. (Refer Cessna Engineering Drawing 6397112 and ICA-525A-33-00001 *Wingtip LED Lighting Update* ICA Supplement or the Model 525A Maintenance Manual, Chapter 33, Exterior Lighting - Maintenance Practices.)
 - A. Remove and discard the 04-1502-1408 Power Supply.
 - B. Remove and discard the current left and right anti collision light assemblies.
 3. Do the wiring modification. (Refer to Cessna Engineering Drawing 9190283.)
 - A. Do the 9190283-301 Wire Removal.
 - B. Install the 9190283-1 Left Wing Lights Mod WBSA and 9190283-2 Right Wing Lights Mod WBSA.
 4. Install the left and right LED wing tip lights.
 - A. Modify the left and right wing tips. (Refer to Cessna Engineering Drawing 6397112.)
 - B. Do the 6397112-1 Left and 6397112-2 Wing Tip Light Installation. (Refer to Cessna Engineering Drawing 6397112 and ICA-525A-33-00001 *Wingtip LED Lighting Update* ICA Supplement or the Model 525A Maintenance Manual, Chapter 33, Exterior Lighting - Maintenance Practices.)
 5. Remove the maintenance warning tags and connect the airplane battery.
 6. Do a functional test of the navigation and anticollision lights. (Refer to ICA-525A-33-00001 *Wingtip LED Lighting Update* ICA Supplement or the Model 525A Maintenance Manual, Chapter 33, Exterior Lighting - Adjustment/Test.
 7. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

NOTE: Textron Aviation recommends that compliance with all service documents is reported to Camp Systems International.

- Complete a record of compliance. (Maintenance Transaction Report, Log Book Entry, or other record of compliance.)
- Put a copy of the completed record of compliance in the airplane logbook.
- Send a copy of the completed record of compliance to: Camp Systems International Incorporated, 8201 East 34th Street North, Building 1100 Suite 1101 Wichita, KS 67226.

MATERIAL INFORMATION

Order the kit/parts below to install this modification.

NEW P/N	QUAN-TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
SB-CJ-NAV-LED-0	1	Kit , consisting of the following parts:		
MS21073L08	4	Nutplate		
MS24694-C12	6	Screw		
S1741-1	2	Anchor		

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
6328707-7	2	PTA Light Spacer		
6397112-3	2	Adapter Plate Assembly		
9912679-7	1	Left Position/Anticollision Light		
9912679-8	1	Right Position/Anticollision Light		
SB525A-33-06	1	Instructions		

Order the following kit/parts below in addition to the above kit.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
SB-CJ-NAV-LED-1	1	Kit , consisting of the following parts:		
M39029/58-364	8	Pin		
TMS3/16-1.50	2	Sleeve (Marked DPR053-GR004)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked BPR053-*NPS003)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked CPR053-WPS003)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked APR053-*MPS003)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked CPL053-WPM003)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked BPL053-*NPM003)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked DPL053-GL002)		
TMSSCE3/16-2.0-9	2	Sleeve (Marked APL053-*PM003)		
9190283-1	1	Left Wing Lights Mod WBSA		
9190283-2	1	Right Wing Lights Mod WBSA		

* Please contact Textron Aviation Parts Distribution for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International). Send email to: parts@txtav.com.

Based on availability and lead times, parts may require advanced scheduling.

TITLE

LIGHTS - WINGTIP LED LIGHT MODIFICATION

TO:

Aircraft Owner

REASON

Replacement parts for the existing wingtip navigation/anti-collision lights are not procurable and customers have requested to upgrade these lights to LED.

COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

LABOR HOURS**WORK PHASE**

Modification

LABOR-HOURS

As Required

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
SB-CJ-NAV-LED-0	*	*
SB-CJ-NAV-LED-1	*	*

* Please contact Textron Aviation Parts Distribution for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International). Send email to: parts@txtav.com.

Based on availability and lead times, parts may require advanced scheduling.

WARRANTY

None

NOTE: As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the Customer Access link at www.txtavsupport.com to register.