

MANDATORY**CAL-61-04****TITLE**

PROPELLER - B-40755A SPRAY HEAD ASSEMBLY REPLACEMENT

EFFECTIVITY

MODEL	SERIAL NUMBERS
208B	208B5201, 208B5220, 208B5232, 208B5243, 208B5244, 208B5251, 208B5269, 208B5281, 208B5284, 208B5296, 208B5301, 208B5302, 208B5305, 208B5309, 208B5314, 208B5320, 208B5322, 208B5325, 208B5327, 208B5329, 208B5330, 208B5331, 208B5332, 208B5337, 208B5339, 208B5342, 208B5349, 208B5351, 208B5356, 208B5360, 208B5401, 208B5403, 208B5406, 208B5412, 208B5413, 208B5415, 208B5416, 208B5419, 208B5425, 208B5429, 208B5431, 208B5436, 208B5447, 208B5452, 208B5469, 208B5470, 208B5476, 208B5492

NOTE: This service document is only applicable for airplanes identified in the serial effectivity that have McCauley propellers with TKS installed.

REASON

McCauley is introducing a new revision of the spray head assemblies installed as part of the C778 Caravan STC prop kit. Reports from the field indicate the rubber tubes that transfer TKS fluid from the slinger ring to the spray head nozzles can become separated from the spray head assemblies. The addition of a flare to the spray head assembly will help retain the rubber tube. The revised spray head assembly is identified as B-40755A, where the "A" that follows the part number identifies the new revision of the B-40755 part number. Failure to comply with this service letter could result in a total or partial loss of anti-icing capabilities of the aircraft propeller.

DESCRIPTION

This service bulletin provides parts and instructions to replace the B-40755 Spray Head Assembly with the new B-40755A Spray Head Assembly.

COMPLIANCE

MANDATORY: This service letter must be accomplished within the next 25 flight hours or 30 calendar days, whichever occurs first.

NOTE: Accomplishment of this service letter should be done immediately if flight into known or forecasted icing conditions is anticipated.

NOTE: All spray head assemblies must be replaced to the new B-40755A assembly.

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.

June 2, 2020

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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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- 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.

CONSUMABLE MATERIAL

No specialized consumable materials are required to complete this service document.

TOOLING

No specialized Tooling is required to complete this service document.

WEIGHT AND BALANCE INFORMATION

Negligible

REFERENCES

Cessna Model 208/208B Maintenance Manual.

MCCAuley SB274.

PUBLICATIONS AFFECTED

None

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 external electrical power.
 - (2) Disconnect the airplane battery.
 - 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. Do the steps listed on McCauley SB274 to replace the B-40755 Spray Head Assembly.
3. Remove the maintenance warning tags and connect the airplane battery.
4. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

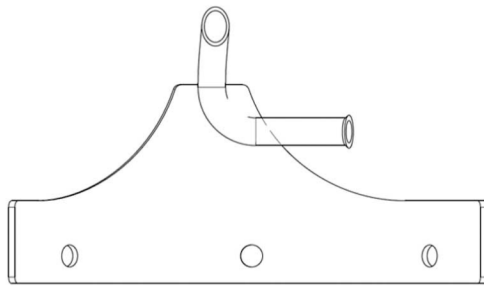
NOTE: Textron Aviation recommends that compliance with all service documents is reported to a maintenance tracking system provider.

- 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 the maintenance tracking system provider used.

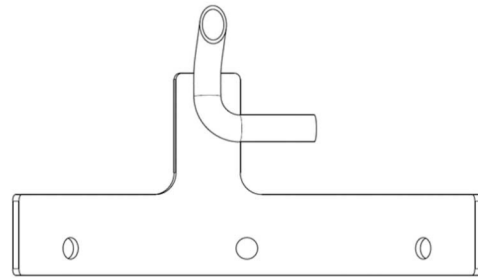
MANDATORY

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A109325



B-40755A



B-40755

Figure 1. TKS Spray Head Assembly (Sheet 1)

MANDATORY**CAL-61-04****MATERIAL INFORMATION**

Order the kit/parts below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
B-40755A	4	Kit	B-40755	Discard

NOTE: B-40755 ordered from Textron Aviation Parts Distribution will be the B-40755A.

* 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

PROPELLER - B-40755A SPRAY HEAD ASSEMBLY REPLACEMENT

TO:

Cessna Model 208 Aircraft Owner

REASON

McCauley is introducing a new revision of the spray head assemblies installed as part of the C778 Caravan STC prop kit. Reports from the field indicate the rubber tubes that transfer TKS fluid from the slinger ring to the spray head nozzles can become separated from the spray head assemblies. The addition of a flare to the spray head assembly will help retain the rubber tube. The revised spray head assembly is identified as B-40755A, where the "A" that follows the part number identifies the new revision of the B-40755 part number. Failure to comply with this service letter could result in a total or partial loss of anti-icing capabilities of the aircraft propeller.

COMPLIANCE

MANDATORY: This service letter must be accomplished within the next 25 flight hours or 30 calendar days, whichever occurs first.

NOTE: Accomplishment of this service letter should be done immediately if flight into known or forecasted icing conditions is anticipated

NOTE: All spray head assemblies must be replaced to the new B-40755A assembly.

LABOR HOURS

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification	2.5

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
B-40755A	*	*

* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

WARRANTY

This service document is *mandatory*. Eligible airplanes may qualify for parts and labor coverage to the extent noted in the *Labor Hours* and *Material Availability* sections of this document.

June 2, 2020

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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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Eligibility: Airplanes identified within the serial number effectivity of this service document must have active Propeller warranty coverage on the original issue date of this document and the coverage must be active on the day the work is accomplished.

Parts Coverage: Textron Aviation-owned and Textron Aviation-authorized Service Facilities, operators, or other maintenance facilities may submit a claim for the parts required to accomplish this service document as defined in the *Material Availability* section of this document.

Labor Coverage: Textron Aviation-owned and Textron Aviation-authorized Service Facilities rated to perform maintenance on the specific model of Cessna Aircraft may submit a claim for the labor necessary to accomplish this service document as defined in the *Labor Hours* section of this document.

Credit Application: After this service document has been accomplished, a claim must be submitted to Textron Aviation within 30 days of the service document completion. Claims for compliance of this service document are to be filed as a W4 type claim.

Please submit your claim form online at ww2.txtav.com/Parts or email the completed Textron Aviation Claim Form to warranty@txtav.com. If submitted on-line a Return Authorization will be provided. If a paper claim is submitted your claim will be entered into the system and a Return Authorization will be sent to you.

The Return Authorization must accompany any required return parts (see *Material Availability*), to the point of purchase.

Parts to be returned to Textron Aviation Parts Distribution should be forwarded to:

Textron Aviation Parts Distribution
Warranty Administration
285 South Greenwich Road
Bldg B89, Docks 1-4
Wichita, KS 67206
USA

Expiration: June 30, 2022

Textron Aviation reserves the right to void continued airplane warranty coverage for the parts affected by this service document until the service document is accomplished.

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.

SERVICE BULLETIN



June 27, 2019

SB274

TITLE

B-40755A SPRAY HEAD ASSEMBLY REPLACEMENT

TO:

FAA-Approved Propeller Repair Stations, Aircraft Manufacturers, STC Holders, Owners, and Operators

MODELS AFFECTED

The following model propellers are affected by this service bulletin:

TABLE 1

4HFR34C778

Aircraft Affected

The following aircraft models with the McCauley propellers installed listed in Table 1, are affected by this service bulletin:

TABLE 2

Textron Aviation, Inc. Model 208B

REFERENCE PUBLICATION

MPC-26 - Owner/Operator Information Manual,
Airplane Maintenance Manual

REASON

McCauley is introducing a new revision of the spray head assemblies installed as part of the C778 Caravan STC prop kit. Reports from the field indicate the rubber tubes that transfer TKS fluid from the slinger ring to the spray head nozzles can become separated from the spray head assemblies. The addition of a flare to the spray head assembly will help retain the rubber tube. The revised spray head assembly is identified as B-40755A, where the "A" that follows the part number identifies the new revision of the B-40755 part number.

DESCRIPTION

This service bulletin provides instructions to replace the B-40755 spray head assembly with the new B-40755A spray head assembly. For replacement parts and warranty consideration contact Customer Support via email at: productsupport@txtav.com, or by phone. Domestic (1-800-621-7767) or International (+1-316-831-4021) for any additional information.

June 27, 2019

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TO OBTAIN SATISFACTORY RESULTS, PROCEDURES SPECIFIED IN THIS SERVICE INFORMATION MUST BE ACCOMPLISHED IN ACCORDANCE WITH ACCEPTED METHODS AND PREVAILING GOVERNMENT REGULATIONS. MCCAULEY PROPELLER SYSTEMS CANNOT BE RESPONSIBLE FOR THE QUALITY OF WORK PERFORMED IN ACCOMPLISHING THIS SERVICE INFORMATION.

McCauley Propeller Systems
PO Box 7704
Wichita, Kansas 67277-7704

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COMPLIANCE

MANDATORY:

This service bulletin must be accomplished within the next 25 flight hours or 30 Calendar days, whichever occurs first.

NOTE: Accomplishment of this service bulletin should be done immediately if flight into known or forecasted icing conditions is anticipated.

NOTE: All spray head assemblies must be replaced to the new B-40755A assembly.

ACCOMPLISHMENT INSTRUCTIONS

CAUTION: ALL FOUR SPRAY HEAD ASSEMBLIES MUST BE REPLACED TO THE B-40755A ASSEMBLY. MIXING THE B-40755 WITH THE B-40755A SPRAY HEAD ASSEMBLIES IS NOT PERMITTED.

NOTE: All work must be performed by an authorized repair station.

NOTE: Read and understand all of the instructions that follow before work is started on the propeller.

1. Remove the spinner shell and fillet assemblies per MPC26, McCauley Owner/Operator Manual:
 - Make an alignment mark on the spinner and an adjacent blade with a soft colored pencil.
NOTE: This index mark is to insure accurate restoration of the spinner position to reduce the distortion of any dynamic balance already completed on the propeller assembly.
 - Remove the screws and washers from the spinner and fillet assemblies.
 - Remove the spinner from the bulkhead and fillet assemblies.
 - Remove the spinner support and shims from the spinner.
 - Remove the screws and washers that attach the fillets to the bulkhead and then remove the fillets.
2. Remove the (3) screws that hold the (4) B-40755 spray head assemblies in place and remove the assemblies. If balance weights and holder are installed in spray head assembly locations, remove the weights and holder with the spray head. Make note of the position and number of the weights. Discard the B-40755 spray head assemblies.
3. Install B-40755A spray head assemblies in the same locations as the removed B-40755 heads. Use the existing screws to reinstall any balance weights and holder and torque the screws to 30 to 36 in-lbs. Where no balance weights and holders were present, use (3) A1635-4 screws to install the spray head assembly and torque the screws to 30 to 36 in-lbs. Install A-1640-5 lockwire if lockwire was previously installed. If lockwire was not previously installed, apply A-1664-1 sealant to the threads of the screws and an A-1664-27 blue sentry stripe screw head to the weight or spray head assembly as applicable.
4. Reinstall the spinner shell and fillets:
 - Use the existing screws and washers to install the fillet assemblies in the same locations they were installed previously.
 - Torque the screws to 20 to 25 in-lbs.
 - Use shims to suit 1/2-hole misalignment. Push hard on the shell to align the holes and install (4) approximately equal spaced screws and washers. Relax the force and install the remaining screws and washers.
 - Torque the screws to 20 to 25 in-lbs.
5. Make a propeller logbook entry stating compliance with the service bulletin.