

SERVICE LETTER



MANDATORY

April 3, 2026

SL2026-1

TITLE

PROPELLER COUNTERWEIGHT ATTACH BOLT TORQUE VERIFICATION

NOTE: It is recommended that this service letter be accomplished at a facility that is familiar with the removal and installation procedures of the propeller(s).

TO:

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

AFFECTED PROPELLER MODEL NUMBERS

McCauley Affected Propeller Part Numbers							
3AF32 C504	3AF32 C505	3AF32 C506	3AF32 C507	3AF32 C508	3AF32 C509	3AF32 C510	3AF32 C511
3AF32 C512	3AF32 C515	3AF32 C521	3AF32 C522	3AF32 C523	3AF32 C528	3AF32 C529	3GFR34 C602
4HFR34 C652	4HFR34 C653	4HFR34 C661	4HFR34 C663	4HFR34 C664	4HFR34 C665	3GFR34 C701	3GFR34 C702
3GFR34 C703	3GFR34 C704	4HFR34 C754	4JFR34 C758	4HFR34 C760	4HFR34 C761	4HFR34 C762	4HFR34 C764
4HFR34 C766	4HFR34 C768	4HFR34 C769	4HFR34 C771	4HFR34 C773	4HFR34 C774	4HFR34 C775	4HFR34 C776
4HFR34 C778	4HFR34 C779	4HFR34 C780	5JFR36 C1003	5HFR36 C1008	B5JFR36 C1101	C5JFR36 C1102	B5JFR36 C1103
C5JFR36 C1104	5JFR34 C1105						

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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
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Wichita, Kansas 67277-7704

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REASON

To verify the correct torque of the propeller counterweight attach bolts.

DESCRIPTION

This service document provides instructions for the verification of correct torque on the propeller counterweight attach bolts. Failure to comply with this document could result in the departure of the propeller counterweight, imbalance of the propeller and excessive engine vibration.

COMPLIANCE

MANDATORY. This service document must be accomplished as follows:

If the propeller part numbers listed in the Table above are installed, this service document must be accomplished within 25 flight hours from the date of receipt, with the exception of part numbers 4HFR34C775 and 4HFR34C778.

If propeller part numbers 4HFR34C775 or 4HFR34C778 are installed, this service document must be accomplished within 250 flight hours from the date of receipt.

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

1. 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.
2. The mechanic or airplane owner must use the technical data in the service document only as approved and published.
3. The mechanic or airplane owner must apply the information in the service document only to propeller serial numbers identified in the *Effectivity* section of the document.
4. 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 McCauley Propeller Systems is authorized to make or apply any changes to a McCauley Propeller Systems-issued service document without prior written consent from McCauley Propeller Systems.

McCauley Propeller Systems is not responsible for the quality of maintenance performed to comply with this document.

CONSUMABLE MATERIAL

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

TOOLING

No specialized tooling is required to complete this service document.

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REFERENCES

MPC26 McCauley Owner/Operator Information Manual
Model C500 Series Propeller Overhaul Manual
Model C600 Series Propeller Overhaul Manual
Model C650 Series Propeller Overhaul Manual
Model C700 Series Propeller Overhaul Manual
Model C750 Series Propeller Overhaul Manual
Model C1000 Series Propeller Repair Manual
Model C1100 Series Propeller Overhaul Manual
McCauley BOM100 Blade Overhaul Manual

NOTE: Make sure all publications used are complete and current. Refer to www.txtavsupport.com.

ACCOMPLISHMENT INSTRUCTIONS

1. Record the propeller serial number.
 - A. If the serial number of the propeller is shown in Table I, no action required.
 - B. If the propeller has been overhauled, no action is required.
 - C. If propeller initial build date per the propeller log book is before February 27th, 2026, and neither Steps A or B apply, go to Step 2.

220067	220732	221038	221039	230578	230603	230762	230886	231057	231131
231280	240008	240058	240138	240260	240261	240422	240423	240530	240548
240625	240626	240627	240631	240683	240696	240716	240726	240729	240730
240735	240737	240760	240761	240922	240923	240925	241051	241052	241129
241136	241154	250008	250010	250013	250014	250122	250286	250352	250359
250361	250451	250453	250464	250467	250471	250484	250485	250498	250520
250522	250546	250569	250570	250572	250573	250574	250576	250577	250592
250594	250595	250596	250597	250600	250601	250602	250603	250672	250674
250675	250745	250752	250756	250804	250864	250868	250869	250870	250885
250888	250891	250905	250907	250908	250909	250910	250912	250928	250929
250931	250937	251044	260077						

2. Remove the spinner from the propeller to gain access to the propeller counterweights. (Refer to the applicable Aircraft Maintenance Manual.)

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3. Field Work Instructions:

A. (Refer to Figure 1, Sheets 1 thru 5.) Verify the counterweight attach bolt torque of each propeller as follows:

- (1) Set a torque wrench to the necessary value 'Torque Check Value' for the model of propeller (Table II).

Table II		
Propeller Series	Required Torque Value	Torque Check Value
C504, C505, C506, C507, C508, C509, C511, C512, C515, C521, C522, C523, C528	60.0 to 65.0 Foot Pounds	50.0 Foot Pounds
C529, C602, C652, C653, C661, C663, C664, C665, C701, C702, C703, C704, C754, C758, C760, C761, C762, C764, C766, C768, C769, C771, C773, C774, C775, C778, C779, C780, C1003, C1008, C1101, C1102, C1103, C1104, C1105	100.0 to 105.0 Foot Pounds	60.0 Foot Pounds

- (2) Using the torque wrench, check each counterweight attach bolt.
 - (a) If one or more bolt(s) is below the 'Torque Check Value', remove the propeller from the aircraft and return to a McCauley Authorized Repair Facility for completion of Step 4. (Refer to the applicable Aircraft Maintenance Manual.)
 - (b) If all bolts are above the 'Torque Check Value', go to step 3. B.

B. Torque the counterweight attach bolts of each propeller as follows:

- (1) Set a torque wrench to the 'Required Torque Value' (Refer to Table II).
- (2) Using the torque wrench, torque all bolts to the 'Required Torque Value'.
 - (a) Go to Step 6.

4. McCauley Authorized Propeller Repair Facility Work Instructions:

A. Disassemble the propeller to gain access to the blade shank. (Refer to the applicable Propeller Overhaul Manual.)

B. Inspect the blade shanks. (Refer to McCauley BOM100 Blade Overhaul Manual.)

- (1) If defects have not been noted on the blade shanks, go to Step 4.C.
- (2) If defects have been noted, repair the blade shanks as necessary. (Refer to applicable Blade Overhaul Manual.)

C. Inspect the threads of the counterweight attach hole using a thread gauge.

- (1) If the threads show no defects, return the propeller to service.
- (2) If the threads show defects, the blade will need to be replaced.

NOTE: There is no allowed repair on the counterweight attach hole threads.

D. Assemble the propeller. (Refer to the applicable Propeller Overhaul Manual.)

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5. Install the propeller on the aircraft. (Refer to the applicable Propeller Overhaul mManual.)
6. Install the spinner on the propeller. (Refer to the applicable Aircraft Maintenance Manual.)

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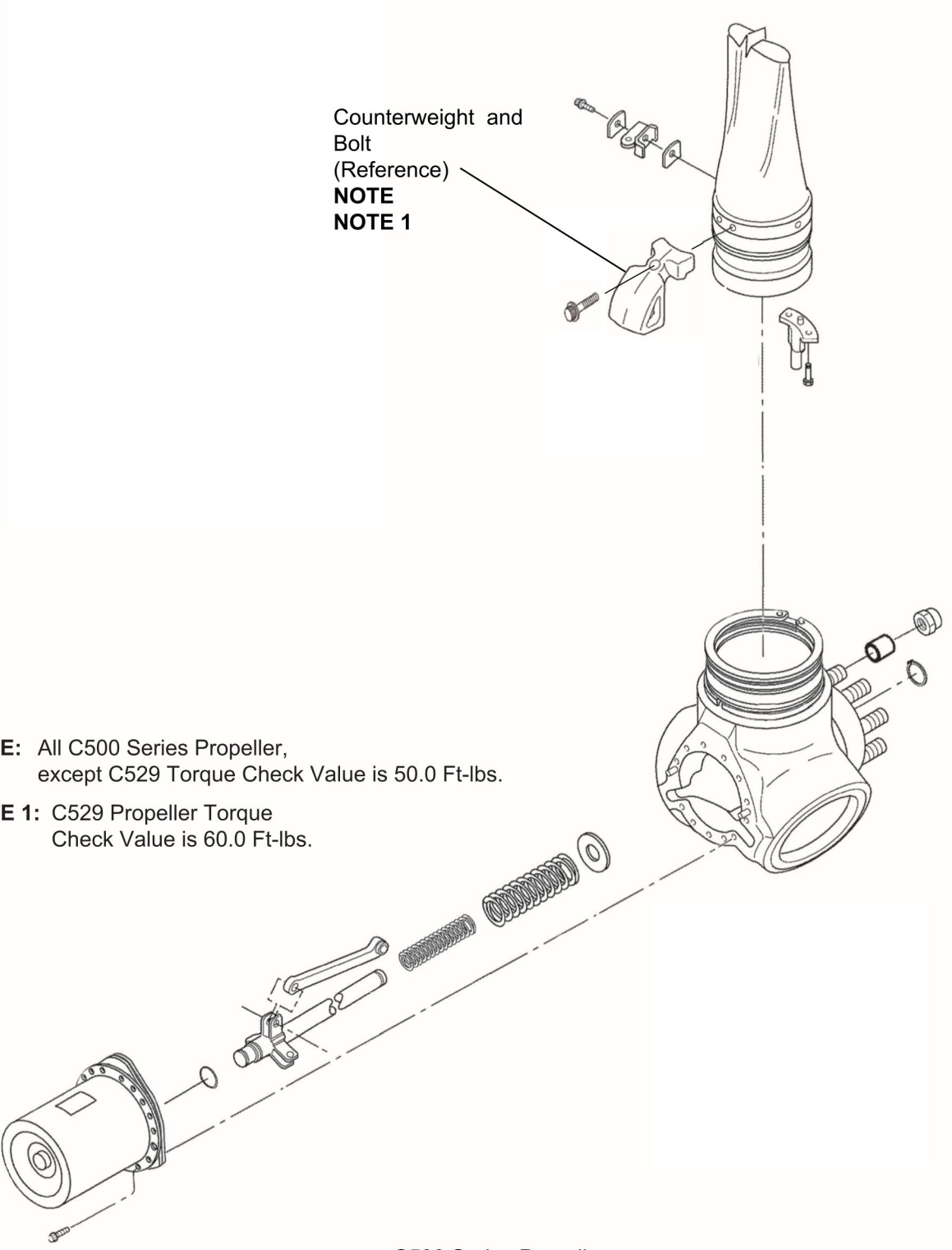


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C2853



C500 Series Propellers

Figure 1. (Sheet 1)

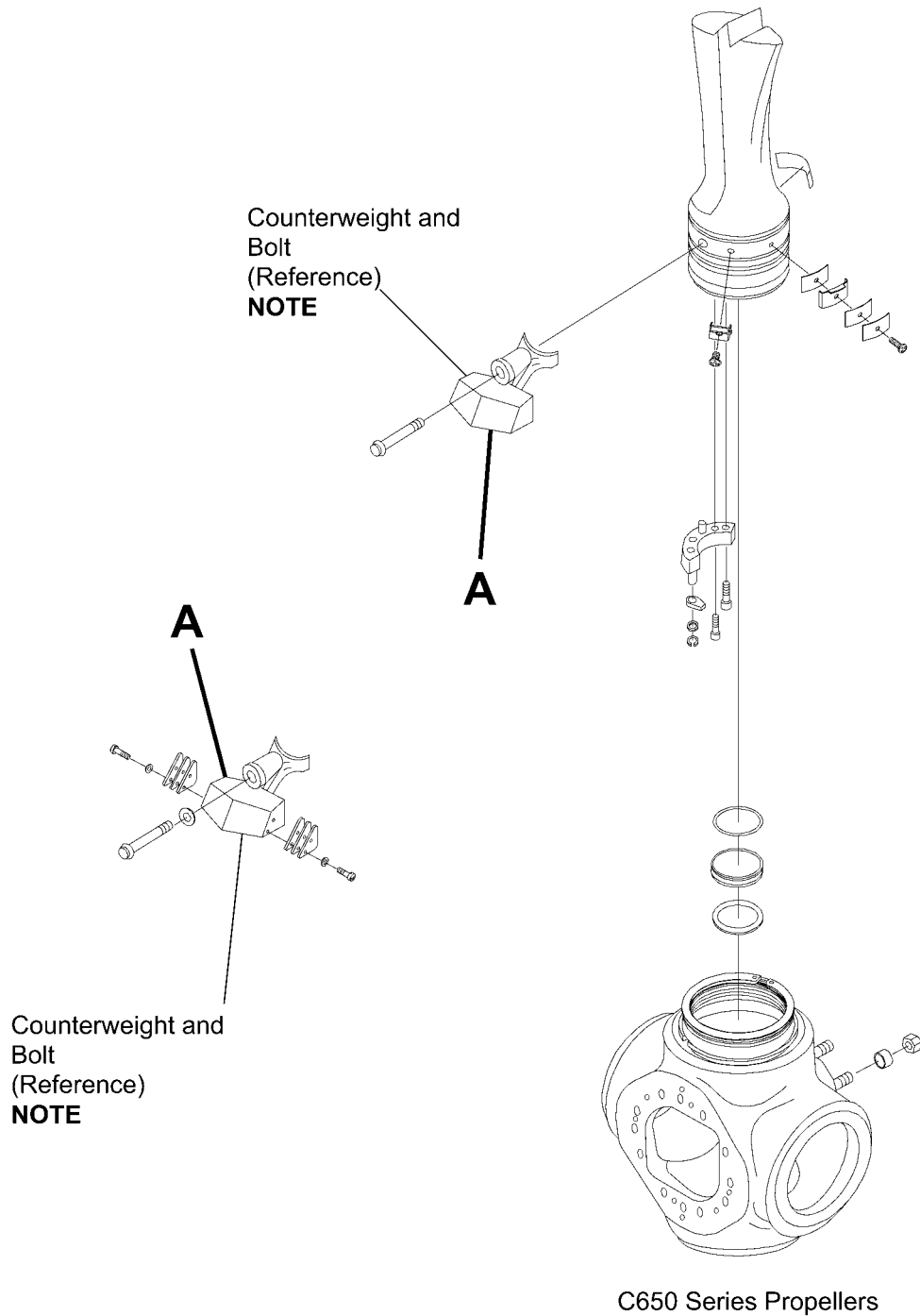


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C2855



C650 Series Propellers

NOTE: All C600 and C650 Series Propeller Torque Check Value is 60.0 Ft-lbs.

0101T1031

Figure 1. (Sheet 2)

SERVICE LETTER

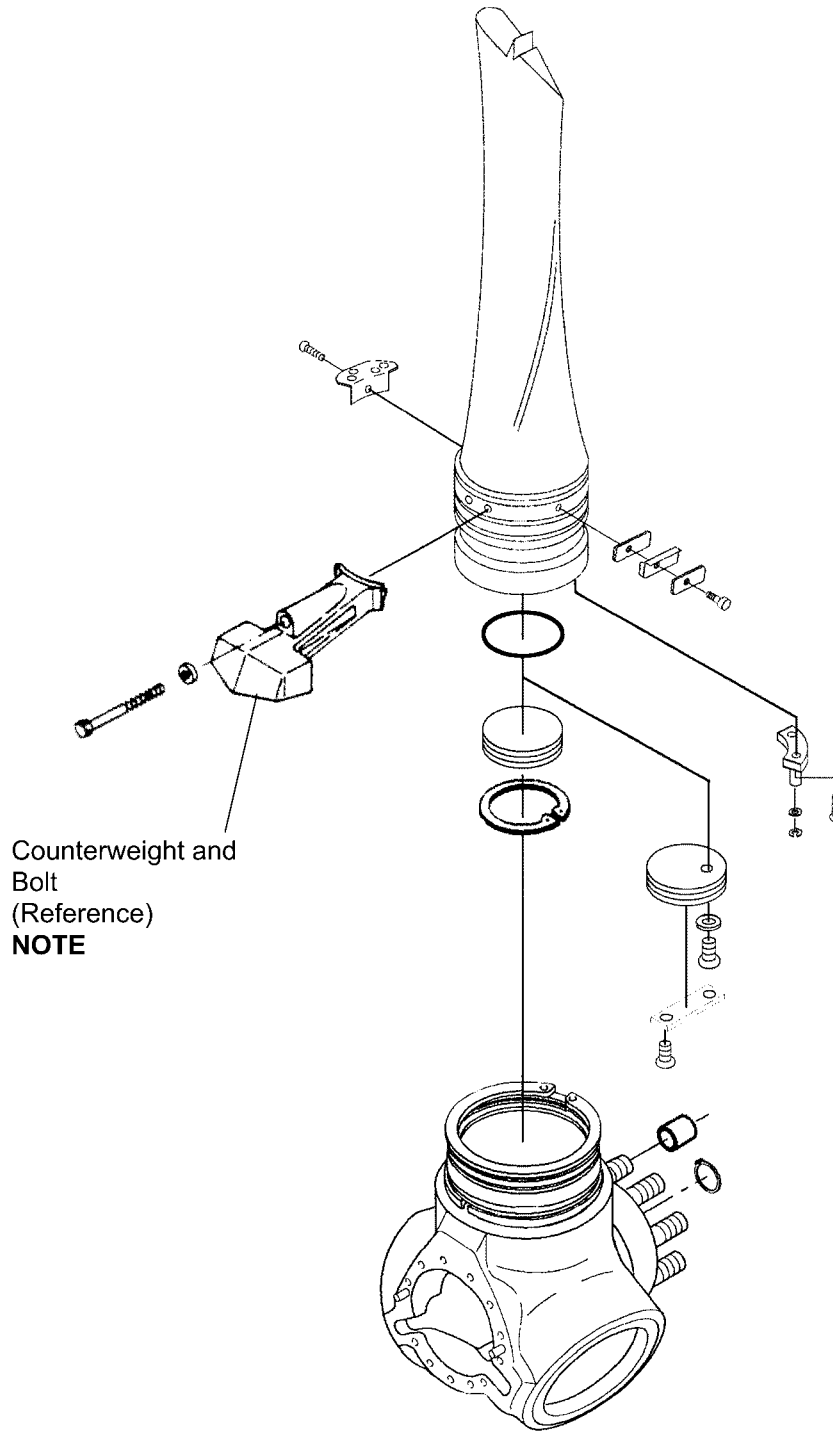


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C2856



Counterweight and Bolt
(Reference)
NOTE

C700 Series Propellers

NOTE: All C700 Series Propeller
Torque Check Value is 60.0 Ft-lbs.

Figure 1. (Sheet 3)

SERVICE LETTER

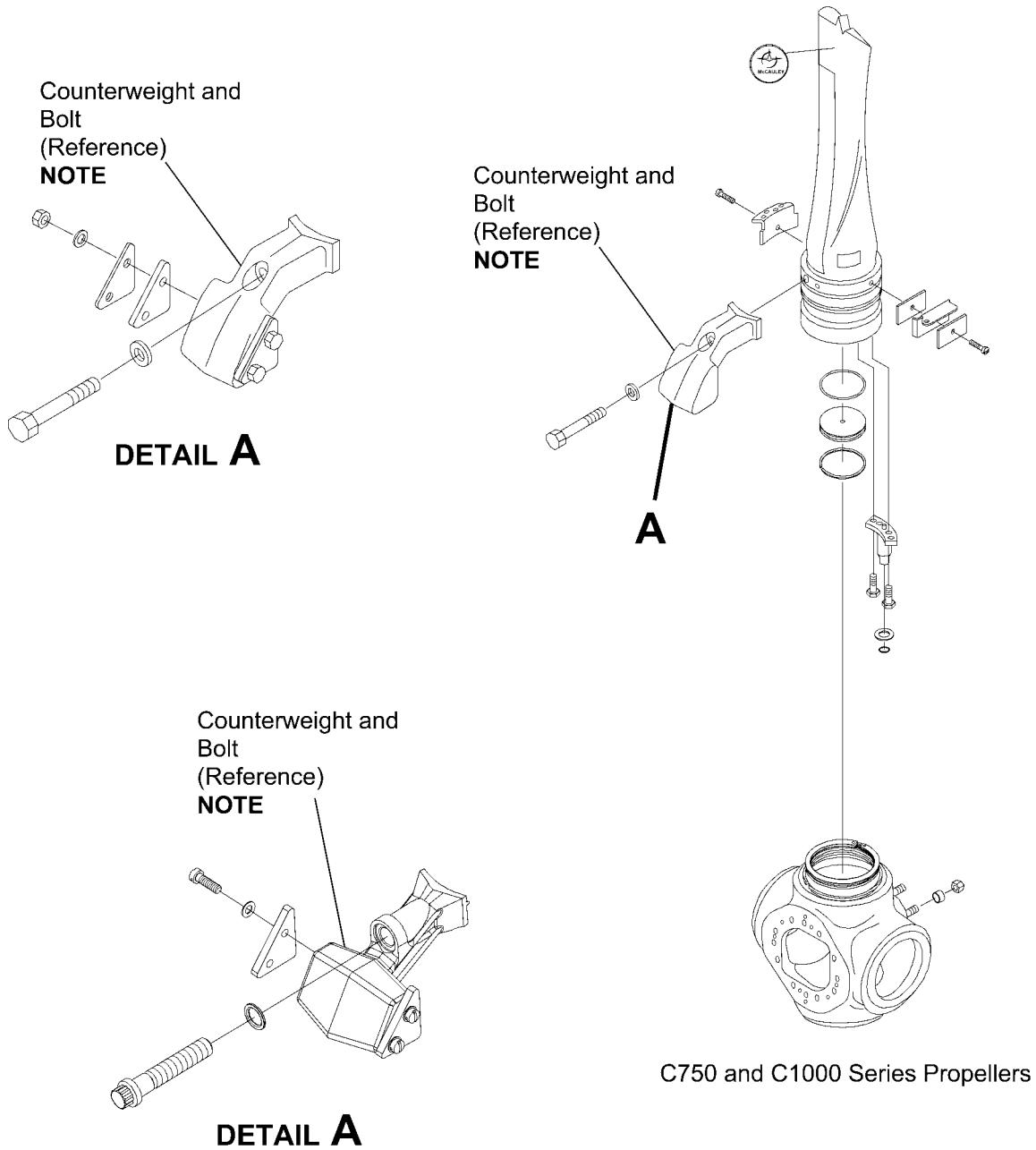


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C2857



NOTE: All C750 and C1000 Series Propeller Torque Check Value is 60.0 Ft-lbs.

0101T1056

Figure 1. (Sheet 4)

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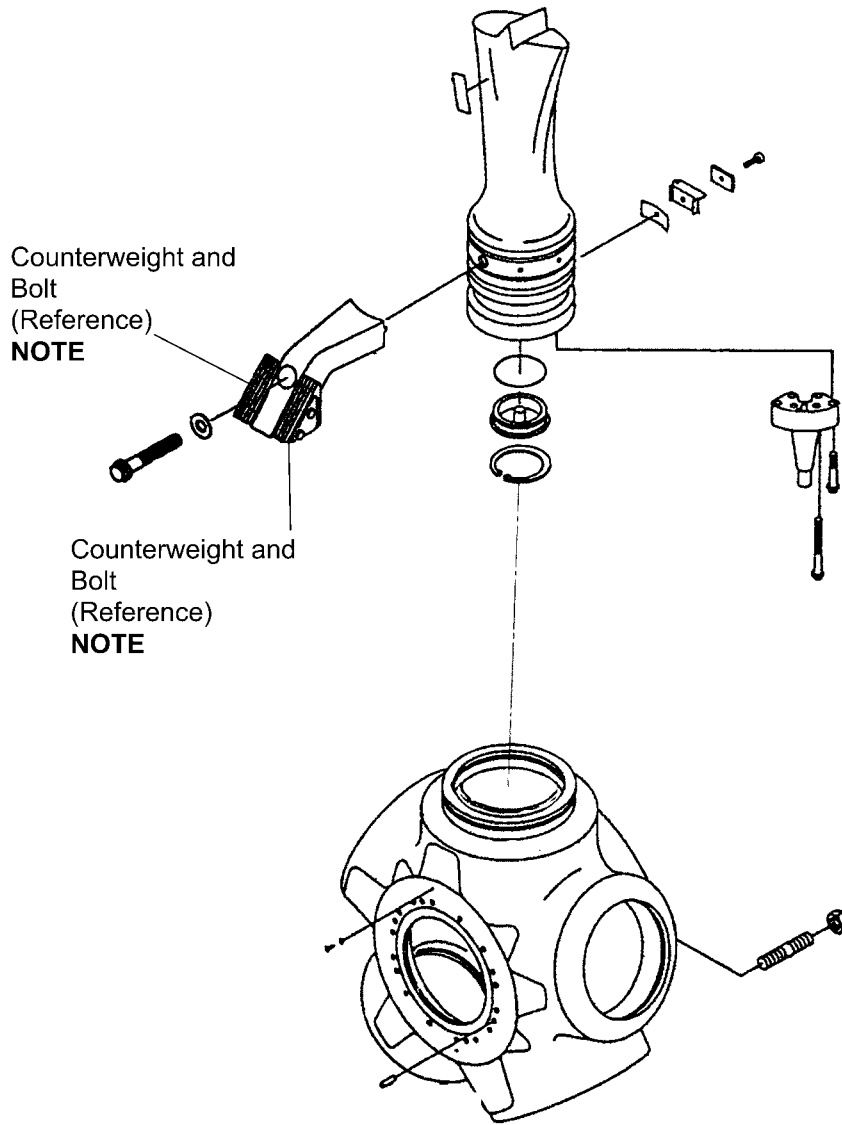


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C2858



C1100 Series Propellers

NOTE: All C1100 Series Propeller Torque Check Value is 60.0 Ft-lbs.

0101T1056

Figure 1. (Sheet 5)

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MATERIAL INFORMATION

No parts are required for this service document.

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PROPELLER COUNTERWEIGHT ATTACH BOLT TORQUE VERIFICATION

TO:

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

NOTE: For warranty consideration the propeller repair must be accomplished at a McCauley Authorized Service Facility, the propeller must meet the Models Affected criteria in SL2026-1 and the Eligibility section in this supplement.

LABOR HOURS

WORK PHASE	LABOR-HOURS
Removal of Spinner and Torque Check	1.5
Propeller removal and installation (500 Series)	6.0
Propeller removal and installation (all others)	8.0
Propeller Overhaul (500, 600, 700 Series)	30.0
Propeller Overhaul (650 and 750 Series)	40.0
Propeller Overhaul (1000 and 1100 Series)	50.0

MATERIAL AVAILABILITY

For list of part numbers, reference the applicable propeller overhaul manual.

WARRANTY

Authorized McCauley Service Facilities that are rated to overhaul propellers will qualify for parts and labor coverage when SL2026-1 is completed on an eligible propellers to the extent noted in the Labor Hours and Material Availability sections of this document.

ELIGIBILITY

McCauley propellers impacted by McCauley SL2026-1 which are under warranty.

Per normal Textron Aviation warranty processes, all parts claimed under warranty must be traceable back to an original McCauley/Textron Aviation sales order that was shipped within the timeframe of SL2026-1. Any claim that does not include this information will not be paid.

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PO Box 7704
Wichita, Kansas 67277-7704

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PARTS COVERAGE

McCauley-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

McCauley-authorized Service Facilities rated to perform maintenance on the specific model of Propeller 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 should be forwarded to:

McCauley Propeller Systems

Attn: Warranty Processing

5000 Cargo Drive

Columbus, GA 31907

EXPIRATION

April 3, 2027 (after this date the owner/operator assumes the responsibility for compliance costs)

