

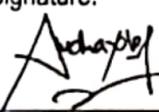
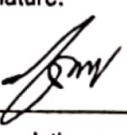
	TECHNICAL SUPPORT TECHNICAL DEPARTMENT ENGINEERING ORDER	007/TEK-TS/VIII/2023	
		Rev. No	Original
		Rev. Date	11 Aug 2023

ENGINEERING ORDER

007/TEK-TS/VIII/2023

**REMOVAL PROPELLER MCCUALEY MODEL 4HFR34C778 Series ON
CESSNA 208B GRAND CARAVAN**

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	Technical Manager	Chief Inspector
Signature: 	Signature: 	Signature: 
Name: Dwi M	Name: Istiono	Name: Yanuar A. F.
Date: 11 Aug 2023	Date: 11 Aug 2023	Date: 11 Aug 2023



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**SMART AVIATION
ENGINEERING ORDER**

Aircraft Reg.: PK-SNI (208B5068)	Make/Model: C208B	No. EO: 007/TEK-TS/VIII/2023	Rev. No. : Original
Total Flight Hours: 8392 : 26	Total Flight Cycle: 14073	Date Issued : 11 Aug 2023	
Task Description : REMOVAL PROPELLER MCCUALEY MODEL 4HFR34C778 Series ON CESSNA 208B GRAND CARAVAN		Technical Data Reference : <u>MCCAULEY PROPELLER SYSTEMS Propeller Owner/Operator Information Manual</u> <u>C700/C750/C1000 Propeller Removal/Installation</u>	
Effectivity : CESSNA 208B EQUIPPED WITH PROPELLER MCCUALEY MODEL 4HFR34C778 Series			



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**SMART AVIATION
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1. Description.

This EO is issued, to perform removal checklist Propeller Assembly maintenance practices the 4HFR34C778 Series Propeller on Cessna 208B Grand Caravan.

2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNI	208B5068

3. Distribution :

TECHNICAL MANAGER	[<input checked="" type="checkbox"/>]	MATERIAL SUPPORT	[<input checked="" type="checkbox"/>]
SAFETY & QUALITY MANAGER	[<input checked="" type="checkbox"/>]	TECHNICAL SUPPORT	[<input checked="" type="checkbox"/>]
CHIEF INSPECTOR	[<input checked="" type="checkbox"/>]	FILE	[<input checked="" type="checkbox"/>]

4. Man Hours

18.0 man-hour to do the inspection

5. Material

A1633-72 Packing
A1639-32 Nut, Propeller

6. Special Tool Required

Tracking, Propeller
Adapter, Torque Wrench
Start Lock Release

7. Compliance

The Propeller model 4HFR34C778 Series have 4 of Blades, do a removal the propeller installed on Engine refer to accomplishment instruction task card, and install the Serviceable/New Propeller on the aircraft refer to accomplishment instruction task card.

8. Publications Affected.

None.



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9. Accomplishment Instructions.

PROPELLER REMOVAL

Date : 17- AUG- 2023 WO Number :
Part No. Propeller : 4HFR34C778- A/C Total Hours : 8392:26
Serial No. Propeller : 200707 A/C Total : 14073
Propeller Time : TSN: 1451:13 TSO: N/A
1450:51Hrs
Removed from A/C Reg. : PK-SNI

Description	Eng.	RII	Remarks
A. REMOVE PROPELLER (Refer to Figure 01 to 04)			
1. Make sure the airplane propeller control lever has the FEATHER position selected and the propeller blades are in feather.			
NOTE: If the propeller control lever is not in the FEATHER position or the propeller blades are not in feather, consult the Pilot's Operating Handbook for instructions to put the propeller control in the feather position and to feather the propeller.			
2. Place a drip pan under the propeller mounting surface to catch any spilled engine oil when the propeller is removed.			
3. Remove the feedback bearing assembly from the feedback collar groove. Refer to the aircraft or engine manual for procedure.			
4. Remove the cowling as required for access to the mounting nuts.			
5. Remove the cowling as required for access to the mounting nuts.			
NOTE: Make sure the rods are inserted through the correct holes of the tool. The beta rods must be pulled directly forward.			
CAUTION: Do not draw the feedback collar too far forward as the beta rods will be damaged			
6. Turn the large threaded rod of the retractor tool clockwise to draw the feedback collar forward to allow access to the propeller mounting nuts.			
7. Break the torque on the propeller mounting nuts. (McCauley Torque Wrench Adapter part number B-5588 may be used to gain easier access to mounting nuts.)			



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8. Install propeller sling and attach to hoist. If hoist is unavailable, propeller may be supported and lifted by hand. This will require additional personnel.

CAUTION: The C700 propellers weigh approximately 120 pounds (54 kg), the C750 propellers approximately 140 pounds (64 kg). CI000 series propellers weigh 180 pounds (83 kg) or more

A. Hoist straps must be a minimum of 4 inches (100 mm) wide

B. The sling and hoist should have a weight limit rating at least twice the weight of the propeller that is to be removed.

C. The straps of the propeller sling should be placed on two of the propeller blades at least 6 inches (152 mm) outboard of the propeller hub. Make sure you protect the deice boots or anti-ice shoes from potential propeller sling abrasion damage, if installed.

9. Take up the slack on the propeller sling and hoist, or have additional personnel support the propeller, and remove the nuts.

10. Carefully slide the propeller forward and remove from the engine

11. Place the propeller on a suitable support or propeller stand
a. Do not let the propeller be supported by the tips of the propeller blades or "stand" the propeller on the propeller blade tips
b. The stand should be able to hold the propeller securely and have a weight limit rating at least twice that of the removed propeller.
c. Make sure the propeller is protected from damage while in the stand. All areas of the stand that come in contact with the propeller should be padded sufficiently to prevent abrasion damage to the propeller.

12. Install a protective cover over the propeller hub mounting flange.

13. Install a protective cover over the open end of the engine propeller flange.

14. Remove the D-5945 feedback collar retractor tool from the propeller.

***** END OF THE TASK *****

- END -