



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 800FH ARRIEL 2D, 600FH/12M & ADD Inspection Reference : MP EC 130 T2 Rev. 02	No.	WO/227-SNX/X/2022
		6 OCT 2022
	A/C Reg.	PK-SNX EC130T2-8829
	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform 800FH ARRIEL 2D, 600FH/12M & ADD Inspection
2. Make an entry in Maintenance Log.
3. Return the Completed Work Order and Form to PPC.

#If any finding, please close the routine card, and transferred to inspection card.

Additional Work :

011/TEK-TS/II/2022

mu

Compliance Statement CARRIED OUT	Sign & Date NOV. 8 2022 Company Lic. No.: SCA-22  (Engineer In Charge)	Signature  (Technical Manager)
---	--	---

AIRCRAFT CHECK WORK SUMMARY

(Form: SCA/MTC/051)

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
6 OCT 2022	WO/227-SNX/IX/2022	INSP. 800FH, 600FH/12	Aug 8 . 2023
A/C Type		Mfg. Serial Number	A/C Registration
EC 130 T2		8829	PK-SNX
AIRCRAFT DATA			
Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	53467	830 : 26 / 2121
	#2	-	
	#1	-	
	#2	-	
Propeller/Rotor	NLG	-	830 : 26 / 2121
	LH MLG	-	
	RH MLG	-	
Landing Gear			

PACKAGE COVERED

No	Subject	Qty	Remark
1	Non-Routine Card	-	
2	Inspection Card	1	
3	Work Order	1	
4	Summary Inspection List	1	
5	Material and Tool List	-	
6	Escalation form	-	
7	CRS (SMI / Unscheduled Maintenance)	1	

INSPECTION CARD (IC) LIST (Finding during maintenance)

No	Taskcard Ref	Subject	Status	Name/ Sign & Stamp
			Open	Close
<u>IC-001</u>				
<u>IC-002</u>				
<u>IC-003</u>				

Prepared by :
Technical Support

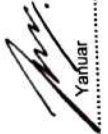
Checked by :
Chief Maintenance

Verified by :
Chief Inspector

Approved by :
Technical Manager


Hani


Dodit


Yahuar


Istiono

SUMMARY INSPECTION ITEMS (Form: SCA/MTC/050)

WO Ref: WO/227-SNX/X/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX C15	INSPECTION 600FH/12MTHS	8/8'23	-	hura	
2	CHAPTER 21	ARRIEL 2D 800 FH	8/8'23	-	hura	
3	APPENDIX C23	12 MTHS / 100 OPH INSPECTION	25/10/2023	-	NINDU	
4	CHAPTER 19	ARRIEL 2D 800FH/12M	8/8'23	-	hura	
5	CHAPTER 20	ARRIEL 2D 800FH/24M	8/8'23	-	hura	

	INSPECTION CARD (Form: SCA/MTC/ 048)		TECHNICAL DEPARTMENT	
	1. CARD #	2. JOWO #	3. ORIGINATOR	4. CARD REF
	6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #
9. ZONE	10. STA	11. MTC TYPE		



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE	: EC 130 T2	TTSN	: 840 : 26
A/C REG	: PK-SNX	TCSN	: 2121
MSN	: 8829	DATE	: 8/8/23
TYPE OF INSPECTION	: 800 FH / 12 MTHS INSPECTION		
DUE AT	: 800 FH / OCT 2022		
REF	: MP EC 130 T2 REV 02		
EXCEPTION			
AUTHORIZED PERSON I hereby certify that this aircraft has been maintained accordance with CASR and Maintenance Program. Aircraft safe and airworthy for flight			
NAME	CAT	AMELOTR NO	SIGN&STAMP
Insan / Nuro	AIRFRAME & POWER PLANT	296	<i>[Signature]</i>
Nuro	EIRA		
THE NEXT DUE TYPE OF INSPECTION : DUE AT :			
Form: SCA/MTC/049			

8/8'23



MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Appendix C23 – Specific Periodic Inspection 12 Months // 100 OPH

Reg. Mark : PK - SNX Date : 25-Oct-2022
 MSN : 8829 Station : LNU
 TSN / CSN : 830 : 26 / 2121 WO No. : WO/227-SNX/X/2022

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
25/91/00 /000/000 /060	25-91	Cargo sling installation Check and functional test. OPH = Operating hours logged with underslung loads. GV FT AMM 25-92-00, 6-1	 N/A

*** End of Appendix C23 Items ***

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
RATHININDO	ENGINEER		9634

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : RATHININDO N.S.P. Stamp :
 Signature : Place/Date : LNU / 25-Oct-2023

MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Appendix C15 – Specific Periodic Inspection 600 FH // 12 Months

Reg. Mark : PK - SNX Date : 26-Oct-2022
MSN : 8829 Station : LNU
TSN / CSN : 030-26/2121 WO No. : WO/227-SNX/X/2022

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
21/21/00 /000/000 /000	21-21	Air intakes – Radiator Cleaning. Optional – In the event of intensive operation in salt-laden atmosphere, sand-laden and/or dust-laden atmosphere, tropical and damp atmosphere, all the necessary measures should be taken to ensure optimum operation of the aircraft, if necessary, by shortening the suggested intervals. CLN AMM 21-00-00, 7-1	 26-Oct-2022
21/51/00 /000/000 /060	21-51	Cockpit and cabin evaporator harnesses - Condenser Cleaning. Optional – In the event of intensive operation in salt-laden atmosphere, sand-laden and/or dust-laden atmosphere, tropical and damp atmosphere, all the necessary measures should be taken to ensure optimum operation of the aircraft, if necessary, by shortening the suggested intervals. CLN AMM 21-00-00, 7-1	 26-Oct-2022

*** End of Appendix C15 Items ***

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
ROHPINNOB IRWAN	ENGINEER		2634
	ENGINEER		

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : IRWAN Stamp :
Signature : Place/Date : LNU/ 26-Oct-2022

MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Appendix C15 – Specific Periodic Inspection 600 FH // 12 Months

Reg. Mark : PK-SNX Date : 26-OCT-2022
 MSN : 8829 Station : LNU
 TSN / CSN : 030 26/2121 WO No. : WO/227-SNX/N/2022

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
21/21/00 /000/000 /000	21-21	Air intakes – Radiator Cleaning. Optional – In the event of intensive operation in salt-laden atmosphere, sand-laden and/or dust-laden atmosphere, tropical and damp atmosphere, all the necessary measures should be taken to ensure optimum operation of the aircraft, if necessary, by shortening the suggested intervals. CLN AMM 21-00-00, 7-1	 26-OCT-2022
21/51/00 /000/000 /060	21-51	Cockpit and cabin evaporator harnesses - Condenser Cleaning. Optional – In the event of intensive operation in salt-laden atmosphere, sand-laden and/or dust-laden atmosphere, tropical and damp atmosphere, all the necessary measures should be taken to ensure optimum operation of the aircraft, if necessary, by shortening the suggested intervals. CLN AMM 21-00-00, 7-1	 26-OCT-2022

*** End of Appendix C15 Items ***

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
POHPIINNO IRWAN	ENGINEER		9634
	ENGINEER		noob.

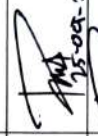
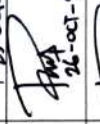
RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : IRWAN Stamp : 
 Signature :  Place/Date : LNU/ 26-OCT-2022

MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Reg. Mark : PK - SNX Chapter 21 - Arriel 2D 800FH Inspection
MSN : 8829 Date : 25-OCT-2022
TSN / CSN : 830 : 26 / 2121 Station : LNU
WO No. : WO/227-SNX/X/2022

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
N/A	N/A	Boroscope inspection of combustion chamber including nozzle guide vane. EMM: 72-00-43-200-802	 25-OCT-2022
N/A	N/A	Functional check in the auxiliary mode (EBCAU test) Refer to Flight Manual 905, 60V AMBER & RED : OK. Note: Ground run RPM FOUND : 389 RPM	 6-NOV-23
N/A	N/A	Module 03 - Turbine-casing drain valve assembly - Test. EMM: 71-71-00-700-801 Note: Ground run	 8-8-23
N/A	N/A	Module 03 - Checking of fluids discharged during injection wheel bleeding and checking of fluids discharged in tank fuel return pipe. EMM: 73-14-00-700-802 Note: Ground run	 8-8-23
N/A	N/A	Module 02 - Axial compressor - Erosion check. EMM: 72-00-32-200-801	 25-OCT-2022
N/A	N/A	Mechanical magnetic plug - Magnetism test. EMM: 79-36-00-700-801	 26-OCT-2022
N/A	N/A	Test of the magnetism of the electrical magnetic plug. EMM: 79-38-00-700-801	 26-OCT-2022
N/A	N/A	Test of the electrical magnetic plug. EMM: 79-38-00-750-801	 26-OCT-2022
N/A	N/A	Module 03 - Permeability check of the injection wheel. EMM: 72-00-43-200-801	 8-8-23
N/A	N/A	Replacement of the fuel filtering element. EMM: 73-23-14-900-802	 28-OCT-2022
N/A	N/A	Bleed valve filter - Check and inspection. EMM: 75-31-00-200-802	 25-OCT-2022

AIRBUS HELICOPTERS EC 130 T2

Chapter 21 – Arriel 2D 800FH Inspection

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
N/A	N/A	Bleed valve filtering kit - Filter element replacement. EMM: 75-61-00-950-801 Note: POST TU 94	N/A
N/A	N/A	Check of mechanical magnetic plug. EMM: 79-36-00-900-801	 26-OCT-2022
N/A	N/A	Replacement of the oil filtering element. EMM: 79-21-00-900-801	 25-OCT-2022
N/A	N/A	Module 03 - Preformed packing of rear bearing ducts - Replacement. EMM: 72-43-00-900-806 Note: PRE TU 181	N/A
N/A	N/A	Module 03 - Inspection of the ignition system. EMM: 72-43-00-200-806 Note: Engine running	
N/A	N/A	Module 03 - Inspection of the igniter plugs. EMM: 72-43-00-200-803 Note: Engine running	
N/A	N/A	Exhaust pipe – Check and inspection. EMM: 72-70-00-200-801	 26-OCT-2022
N/A	N/A	Module 01 - Engine front support - Check and inspection. EMM: 72-61-00-200-805	 26-OCT-2022
N/A	N/A	Inspection of pyrometric harness. EMM: 77-21-00-210-801	 27-OCT-2022
N/A	N/A	Boroscope inspection of HP turbine blades and HP turbine nozzle guide vane. EMM: 72-00-43-200-803	 25-OCT-2022
*** End of Arriel 2D 800FH Inspection Items ***			

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
ROTHMAN	ENGINEER		9634
	'		2076

MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Chapter 21 – Arriel 2D 800FH Inspection

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : Paula Stamp :  : _____

Signature : [Signature] Place/Date : CAU / 8-8-22



MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Chapter 19 – Arriel 2D 800FH // 12M Inspection

Reg. Mark : PK - SNX Date : 8 - 8 - 23
MSN : 8829 Station : LNU
TSN / CSN : 820 : 26 / 2121 WO No. : WO/227-SNX/N/2022

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
N/A	N/A	Oil system - Draining. EMM: 79-00-00-610-801 Operating condition: In a sandy air or with the use of 3 cSt oil.	 25/11/23
*** End of Arriel 2D 800FH // 12M Inspection Items ***			

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
1. LNU	15/01/2023		2091

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name :  Stamp : 
Signature :  Place/Date : LNU



MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Chapter 20 – Arriel 2D 800FH // 24M Inspection

Reg. Mark : PK - SNX Date : 26 / 7 / 23
MSN : 8829 Station : LRU
TSN / CSN : 820 : 24 / 2121 WO No. : WO/227-SNX/X/2022

ITEM CODE NO.	CHAPTER	TASK	ENGINEER'S SIGNATURE, STAMP & DATE
N/A	N/A	Oil system - Draining. EMM: 79-00-00-610-801 Operating condition: With the use of 5 cSt oil.	 26/7/23
*** End of Arriel 2D 800FH // 24M Inspection Items ***			

PERSONNEL PARTICIPATING IN THIS INSPECTION		
NAME	POSITION	LICENSE NUMBER
Insan	Groundcrew	2091

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.



Name : Insan Stamp :
Signature : Insan Place/Date : LRU



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING INSTRUCTION

011/TEK-TS/II/2022

Rev. No
Original

Rev. Date
16 Feb 2022

**SMART AVIATION
ENGINEERING INSTRUCTION**

Aircraft Reg.:

PK-SNX

Make/Model:

EC130T2

No. EI:

011/TEK-TS/II/2022

Rev. No.:

Original

Total Flight Hours:

Total Flight Cycle:

Date Issued :

10 Feb 2022

Task Description :

**VISUAL INSPECTION OF THE REAR
TRANSMISSION BEARING SUPPORT
ASB EC130T2-05A039**

Technical Data Reference :

- ASB EC130-05A039

Effectivity:

EC130T2 POST MOD 074581



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING INSTRUCTION

011/TEK-TS/II/2022

Rev. No Original

Rev. Date 16 Feb 2022

SMART AVIATION
ENGINEERING INSTRUCTION

1. Description.

The purpose of this ALERT SERVICE BULLETIN is to do, as a first precautionary measure, a repetitive visual inspection

- The rear transmission bearing support
- The frame and the skin in the area of the bearing support

The function of Revision 2 of this ALERT SERVICE BULLETIN is to increase the inspection interval from every ALF to every 10 Flight Hours (FH).

Revision 2 of this ALERT SERVICE BULLETIN has no effect on the execution of the previous Revisions of this ALERT SERVICE BULLETIN.

1. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNX	8829

DISTRIBUTION :

TECHNICAL MANAGER	[v]	MATERIAL SUPPORT	[v]
SAFETY & QUALITY MANAGER	[v]	TECHNICAL SUPPORT	[v]
CHIEF INSPECTOR	[v]	FILE	[v]

2. Compliance.

7 Days after date released, and repetitive 10 Hrs after.

3. Man- Hours.

1 Mechanical Technician
or 1 Pilot with the correct training and accreditation in compliance with the local maintenance regulations in force, for compliance with paragraph 3. except the paragraph 3.B.2.c.
or 1 pilot-owner of the helicopter for compliance with paragraph 3.,
except the paragraph 3.B.2.c. : refer to EASA regulation and
part M.A.803 Appendix VIII (List of inspections that can be done by a pilot-owner) or to equivalent local regulations.

4. Material.

None. (Requirement of Defect – attached)



TECHNICAL SUPPORT TECHNICAL DEPARTMENT **ENGINEERING INSTRUCTION**

011/TEK-TS/II/2022

Rev. No Original

Rev. Date 16 Feb 2022

SMART AVIATION ENGINEERING INSTRUCTION

5. Tools Required.

Light Source Cutter

6. Publications Affected.

None.

7. Accomplishment Instructions.

Description	Eng.	R/I	Remarks
Visual inspection of the upper bearing support area (Figure 3, Details D, E and F)			
- Make sure that there is no missing, loose or sheared rivet (b) or (d) on the rear transmission bearing support (a) with the light source.	<i>hmsa</i>	N/A	
- Make sure that there is no visible cracks on the skin in the rivets areas with the light source.	<i>hmsa</i>	N/A	
Visual inspection of the lower bearing support area (Figure 3, Detail B)			
- Make sure that there is no missing, loose or sheared rivet (b) on the rear transmission bearing support (a) with the light source.	<i>hmsa</i>	N/A	
- Make sure that there is no visible cracks on the frame and on the skin in the rivets areas with the light source.	<i>hmsa</i>	N/A	
NOTE: 1. If there is no missing, no loose and no sheared rivet and no crack continue to final step 2. If there is at least one missing, loose or sheared rivet order to Airbus 3. If there is a crack, Stop the flights, and inform Airbus Helicopters	<i>hmsa</i>	N/A	
- Close and lock the battery door.	<i>hmsa</i>	N/A	
- Close and lock the tailboom fairing.	<i>hmsa</i>	N/A	
- Remove appropriate access equipment. - Continue the flights.	<i>hmsa</i>	N/A	
*** END OF THE TASK ***			



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING INSTRUCTION

011/TEK-TS/II/2022

Rev. No Original

Rev. Date 16 Feb 2022

SMART AVIATION
ENGINEERING INSTRUCTION

RETURN TO SERVICE

I hereby certify that the aircraft has been inspected regarding the CAL-61-05 with applicable supported approved data and met the requirements as set forth with the Indonesia Civil Aviation Safety Regulation and it is approved for return to service.

Name : Ima

Signature : [Signature]

- END -

Attachment Material If Required:

2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Equipment or parts to be ordered separately.

Key Word	Qty	New P/N	Old P/N	It m	Instruction
Rivet	AR	ASNA2040DCJ3208	1	ASNA2040DCJ3208	Replace if necessary
Rivet	AR	21215DC3206J	2	21215DC3206J	Replace if necessary

Consumables to be ordered separately.

As per Work Cards and Tasks indicated in this ALERT SERVICE BULLETIN and list below:

Key Word	Qty	P/N	CM	Item
Plexiglass protection or equivalent	AR	Commercial	/	3

You can order the consumables from the AirbusWorld Marketplace through e-ordering (IN 3481-1-00). If you cannot get access to e-ordering, please contact your Logistic Focal Point.

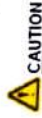
Special tools.

Refer to the Table below.

Key Word	Qty	Tool P/N or equivalent	Item
Light source Cutter	1 1	Off the shelf Off the shelf	ZZ YY

Figure Attached:

3.B.2.c. Removal of the Teflon tape from the tailboom (Figure 1)
Only the LH side is described. Perform the RH side as per the same operational procedure



**PAY ATTENTION NOT TO DAMAGE THE
TAILBOOM WITH THE CUTTER (yy).**

- Unstick the Teflon tape (c) on the hatched area (A).
- Slip a protection (3) (not shown) between the Teflon tape (c) and the tailboom structure.

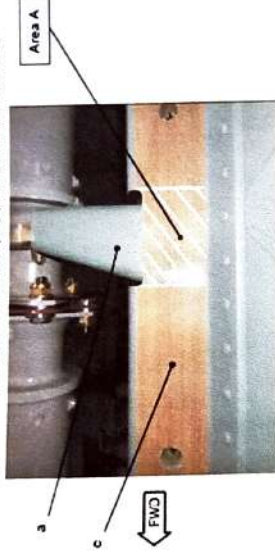


Figure 1

- Cut and remove the Teflon tape (c) on the hatched area (A) with the cutter (yy) (not shown).

3.B.2.d. Visual inspection of the rivets head of the rear bearing support under the Teflon tape (Figure 2).

Only the LH side is described. Perform the RH side as per the same operational procedure.

- Make sure that there is no missing, loose or sheared rivet (d) on the rear transmission bearing support (a) with the light source (zz).

NOTE 1

A loose rivet is a rivet with black mark or missing paint around the rivet head, refer to the Figure 2.

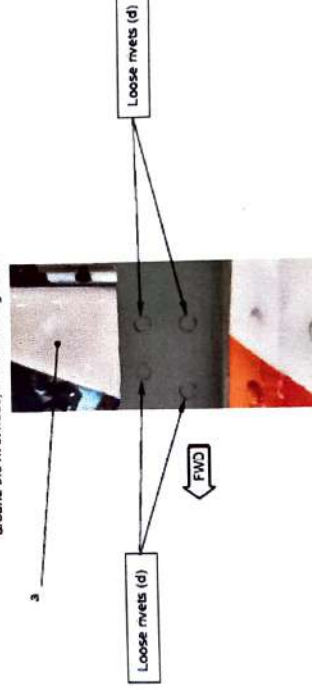


Figure 2

- Comply with paragraph 3.B.2.e.



Aircraft Registration: **PK-SNX**



WO# Nr: **WO/227-SNX/X/2022**

Additional Work Sheet **800 Hrs, 600FH/12M &** **Add Inspection**

Parts Used Sheet

Special Tool Used			
No.	Description	Due Date	Engineer
1	BORESCOPE TOOLS (S/N: Y800281)	-	NINDO
2	ERROSION GAGE (P/N: T9109366001) (S/N: 33129-03)	-	NINDO
3	DIGITAL MULTIMETER	-	NINDO
4	TORQUE WRENCH 3NM - 35NM	-	NINDO
5	DRAIN TUBE	-	KRWAN

Part Used					
Date	Part Nr.	Serial Nr.	Description	Qty	Engineer
25-10-2022	CA00525A	NSN	OIL FILTER	1EA	NINDO
25-10-2022	46012C0 2500	NSN	PACKING	2EA	NINDO
25-10-2022	46012B04000	NSN	PACKING	1EA	NINDO
25-10-2022	CA01616A	NSN	FILTER ELEMENT	1EA	NINDO
25-10-2022	9794 610040	NSN	PACKING	1EA	NINDO
25-10-2022	9794 610600	NSN	PACKING	1EA	NINDO
25-10-2022	9794 610212	NSN	PACKING	1EA	NINDO
25-10-2022	9794 610265	NSN	PACKING	2EA	NINDO
25-10-2022	9794 61030	NSN	PACKING	1EA	NINDO
25-10-2022	46012A00750	NSN	PACKING	1EA	NINDO
26-10-2022	F19831-000	NSN	PACKING	2EA	NINDO
26-10-2022	9520001000	NSN	FILTER	1EA	NINDO
26-10-2022	9520001100	NSN	PACKING	1EA	NINDO
			PACKING	1EA	NINDO