



PT. SMART CAKRAWALA AVIATION

**WORK ORDER**

Form: SCA/MTC/030

Subject : <b>200 Hrs A/F, 600 Hrs Eng. &amp; Add.Task</b>		No.	WO/060-SNM/VIII/2023
		Date	28 Aug 2023
		A/C Reg.	PK-SNM C208-00655
Reference : <b>MP C208B ISSUED 01</b>		Prepared By	TS
		Checked By	CI
		Approved By	TM
To : Engineer In Charge			
<b>Description :</b>  1. Perform Insp.200 Hrs A/F, 600Hrs Eng.&Add.Task@4579Hrs 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.			
<b>Additional Work :</b>			
Compliance Statement <b>CARRIED OUT</b>	Sign & Date Company Lic. No.:  (Engineer In Charge)	03/2023 09 ARUDI GUMILANG 37	Signature  (Technical Manager)

Appendix B - Form: SCA/MTC/030



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: CESSNA 208	TTSN	: 4577 : 41
A/C REG	: PK-SNM	TCSN	: 6118
MSN	: C208-00655	DATE	: 03 SEPT 2023

TYPE OF INSPECTION	: INSPI.200HRS AF, 600HRS ENG.&ADD.TASK
DUE AT	: 4579 HOURS
REF	: MP C208B ISSUED 01

**EXCEPTION**

- NO 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	AMEL/OTR NO	SIGN&STAMP	DATE
ARUJI SUMILANG	AIRFRAME & POWER PLANT	0696 / SCA.037	 	03 / 2023
	EIRA			09

THE NEXT DUE TYPE OF INSPECTION : 100 Hrs ENGINE

DUE AT : 4679 : 00

Form: SCA/MTC/049

**AIRCRAFT CHECK WORK SUMMARY**  
(Form: SCA/MTC/051)

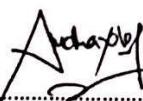
DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
28 Aug 2023	WO/605-SNM/VIII/2023	200Hrs AF, 600Hrs ENG	03 SEPTEMBER 2023		
& Add.Task					
A/C Type		Mfg. Serial Number	A/C Registration		
C208		C208-00655	PK-SNM		
<b>AIRCRAFT DATA</b>					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PC2327	4577-41 / 6118		
	#2	-			
Propeller/Rotor	#1	000930	4577-41 / 6118		
	#2	-			
Landing Gear	NLG		4577-41 / 6118		
	LH MLG		4577-41 / 6118		
	RH MLG		4577-41 / 6118		
<b>PACKAGE COVERED</b>					
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)	-			
<b>INSPECTION CARD (IC) LIST (Finding during maintenance)</b>					
No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
IC-001					
IC-002					
IC-003					

Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager

  
Hani

  
Dodit

  
Yanuar

  
Istiono



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

WO Ref: WO/060-SNM/VIII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APP. B07	ENGINE PT6A-114A GROUND RUN UP	03/23 /09		ARUJI	37 SMART AVIATION
2	APP. D01	ENGINE PT6A-114A 100 HOURS INSP.	03/23 /09		ARUJI	37 SMART AVIATION
3	APP. D02	ENGINE PT6A-114A 200 HOURS INSP.	03/23 /09		ARUJI	37 SMART AVIATION
4	APP. D03	ENGINE PT6A-114A 200 HOURS/6 MTHS INSP.	03/23 /09		ARUJI	37 SMART AVIATION
5	APP. D05	ENGINE PT6A-114A 600 HOURS INSP.	03/23 /09		ARUJI	37 SMART AVIATION
6	APP. D06	ENGINE PT6A-114A 600 HOURS/12 MONTHS INSP.	03/23 /09		ARUJI	37 SMART AVIATION
7	APP. C03	200 HOURS/12 MTHS INSP.	02/23 /09		ARUJI	37 SMART AVIATION
8	FORM SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST	03/23 /09		ARUJI	37 SMART AVIATION



# MAINTENANCE PROGRAM

## CESSNA 208/208B

### Appendix B07 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK-SNM

WO/FML No. : WO/060-SNM/VIII/2023

PRE - INSPECTION	
Location	TIMIKA
Date	02 SEPT 2023
Cycle	1
Filed Barometric	1012
OAT	30
Altitude	194

POST - INSPECTION	
Location	TIMIKA
Date	03 SEPT 2023
Cycle	1
Filed Barometric	1013
OAT	27
Altitude	194

PRE - INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	780 °C	716 °C
Ng	99 %	97.6 %
Wf	450	444
Oil Press		88 °C
Oil Temp		75 °C
Start Temp		653 °C

POST - INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	772 °C	721 °C
Ng	98.5 %	97.4 %
Wf	460	447
Oil Press		88 °C
Oil Temp		61 °C
Start Temp		647 °C

#### Engine Run Up Checks

Inertial  EPL  OVG  Stby Alt  BOV  Brake  Rardown

NOTE:

1. Brake system at Torque 1500 ft-lbs. 3. EPL check can't exceed 4% Ng per second. 5. Low idle at 52.5 – 53.5% 40Amps.  
2. Inertial Separator at Torque 400 ft-lbs. 4. Standby Alt at 80% Ng. 6. High idle at 64 - 66% Ng 40Amps.

#### Engine Performance Target Table Cessna C208

OAT (°C)	(27)	28	29	(30)	31	32	33	34	35	36	37	38	39	40	41
Tq (ft.lbs)	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865
Np	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
ITT (°C)	772	775	778	780	785	790	793	795	797	800	800	800	802	805	810
Ng (%)	98.5	98.5	99	99	99.1	99.2	99.4	99.5	99.5	100	100	100.2	100.5	100.7	100.9
WF (PPH)	450	450	450	450	450	450	450	450	450	450	450	450	448	448	446

**Note:**

1. Make sure that inertial separator in normal condition, no bleed air extracted from the engine and air condition OFF.
2. This table only applies to altitude 0-500 feet MSL. For higher altitude, refer to EMM 72-00-00.
3. Max fuel flow is 465 lb/hr fuel flow is not more than 15 lbs/hr higher than the value shown in table.
4. If parameters are outside the target performance table to EMM chapter 71-00-00.

**REMARKS:**

ALL PARAMETER NORMAL.

PERFORMED BY			
Name	Sign & Stamp	Date	Location
ARUDI GUMILANG		03 SEPTEMBER 2023	TIMIKA



MAINTENANCE PROGRAM  
CESSNA 208/208B

Appendix C03 – 200 Hours/12 Months Inspection

Reg. Mark	: PK-SNM	Date	: 02 SEPTEMBER 2023
MSN	: C208-00655	Station	: TM
TSN / CSN	: 4577:41   6118	WO No.	: WO/060-SNM/V111/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
A110001	ALL	Interior and Exterior Placard and Decal Detailed Inspection Task 11-00-00-220	<i>Ay.</i>	
D121001	121	Brake System Servicing Task 12-10-01-610	<i>Ay.</i>	
D121003	710	Shimmy Damper Servicing Task 12-10-01-611	<i>Ay.</i>	
C122101	700	Landing Gear Lubrication Task 12-21-03-640	<i>Ay.</i>	
C122103	110	Hartzell Propeller Lubrication Task 12-21-04-640	N/A	N/A
B236001	343 375 376 571 671	Static Discharge System Functional Check Task 23-60-00-720	<i>Ay.</i>	
B243401	122	Marathon Ni-Cad Battery Functional Check (CapCheck) Task 24-34-00-720	N/A	N/A
A255101	251 252 255 256 257 258	Cargo Nets Detailed Inspection Task 25-51-00-220	<i>Ay.</i>	
C270001	215 216 226 373 374 503 525 603 625	Flight Controls Lubrication Task 27-00-00-640	<i>Ay.</i>	
B273101	211 212 503	Stall Warning System Operational Check Task 27-31-00-710	<i>Ay.</i>	
C275001	525 527 625 627	Flap Tracks and Rollers Lubrication Task 27-50-00-640	<i>Ay.</i>	
B281001	575 675	Fuel Vent Line Float Valve Operational Check Task 28-10-03-710	<i>Ay.</i>	
A281001	521 621	Fuel Filler Assembly Detailed Inspection Task 28-10-01-220	<i>Ay.</i>	



MAINTENANCE PROGRAM  
CESSNA 208/208B

Appendix C03 – 200 Hours/12 Months Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
B301003	122 AUX	Bleed Air Pressure Regulator Functional Check (without TKS and not incorporating CAB93-2) Task 30-10-00-720		
B322001	710	Shimmy Damper Functional Check Task 32-20-02-720		
B341101	AUX	Pitot Tube Heaters Operational Check Task 34-11-00-710		
A353001	256	Oxygen Mask Detailed Inspection Task 35-30-00-220		
B761003	AUX	Emergency Power Lever Annunciator Light (EPL) Operational Check Task 76-10-01-710		
*** End of Inspection 200 Hours/12 Months Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
KRISTIADI . H	MECHANIC		-

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 : Arwqi GUMILANG Place/Date : TIM / 02 SEPT 2023  
Sign & Stamp :



MAINTENANCE PROGRAM  
CESSNA 208/208B

Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection

Reg. Mark	: PK-SNM	Date	: 03 SEPT 2023
MSN	: C208-00655	Station	: TIM
TSN / CSN	: 4577:41 / 6118	WO No.	: WD/020-SNM/VIII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E710001	130	Do a check of the FCU manual override system for static operation.	 	
E710003	130	Do a compressor performance recovery wash.	 	
E710004	130	Inspect all accessible connections, clamps and brackets for attachment. Inspect accessible lockwire and safety cable for security and installation.	 	
E710005	130	Inspect of wear, chafing, cracks and corrosion for tubing, wiring, control linkage, hose assemblies.  <b>NOTE:</b> Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and SB1687. Replace as necessary.	 	
E710006	130	Examine linkages. Pay particular attention to rear linkage cam box, fuel control unit arm, telescopic rod and rod end fittings. Disconnect rod ends and clean using solvent (PWC11-027) or (PWC11-031). Lubricate with light grease (PWC04-001) after engine external wash. Examine rod end for corrosion, roughness in rotation, side play and radial play. After lubrication reinstall rod ends and torque to specified value (Ref 76-10-00). Check free movement of linkage.	 	
E710007	130	Inspect attachment and linkages, air, oil and fuel lines (Ref. 73-10-07/-08).  <b>NOTE:</b> Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and SB1687. Replace as necessary.	 	
E710011	130	Performed Deceleration Check	 	
E720001	130	Do a visual inspection of the engine exhaust duct welds.	 	

Issued: 01  
SCA/TEK/1-001  
15 December 2022

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MAINTENANCE PROGRAM  
CESSNA 208/208B

Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E720002	130	Do a visual inspection of the engine exhaust duct for cracks.	<i>Ay.</i>	
E720003	130	External surfaces, and fireseal mount ring brackets for cracks, distortion, and corrosion of gas generator case (Ref. 72-30-04).	<i>Ay.</i>	
E722001	130	Do a visual inspection of the air inlet screen.	<i>Ay.</i>	
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)	<i>Ay.</i>	
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion	<i>Ay.</i>	
E731002	130	Do a visual inspection of the fuel pump (in-situ inspection only) for installation and leakage	<i>Ay.</i>	
E731003	130	Check oil-to-fuel heater installation	<i>Ay.</i>	
E731014	130	Check starting flow control/flow divider for installation and leaks.	<i>Ay.</i>	
E731015	130	Check outlet filter for foreign matter or distortion (Ref. 73-10-02). <b>(CLEANING / REPLACEMENT)</b> P/N OFF: <u>AN6235-3A</u> P/N ON: <u>AN6235-3A</u>	<i>Ay.</i>	
E731006	130	Check drain valve for installation and leaks	<i>Ay.</i>	
E731008	130	Do a visual inspection of the P3 filter and drain valve.	<i>Ay.</i>	
E731018	130	Clean or replace the P3 filter based on condition, service experience or environment. <b>Note:</b> If corosions are found, replace filter.	<i>Ay.</i>	
E732001	130	Check FCU for installation, linkages and pneumatic tubes.	<i>Ay.</i>	
E732002	130	Examine the FCU for bearing wash-out, shown by blue dye (grease and fuel mixed) at FCU vent.	<i>Ay.</i>	



MAINTENANCE PROGRAM  
CESSNA 208/208B

Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E792002	130	Oil filter elements and secondary screen (coarse hat-type screen attached to the inner end of the filter).	 	
E792003	130	Examine the forward oil transfer elbow installation on the Flange A. Make sure that the bolts tighten correctly	 	
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610	 	
E722001	130	Do a visual inspection of the air inlet screen.	 	
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)	 	
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion	 	
E731002	130	Do a visual inspection of the fuel pump (in-situ inspection only) for installation and leakage	 	
E731003	130	Check oil-to-fuel heater installation	 	
E731014	130	Check starting flow control/flow divider for installation and leaks.	 	
E731015	130	Check outlet filter for foreign matter or distortion (Ref. 73-10-02). <b>(CLEANING / REPLACEMENT)</b> P/N OFF: <u>AN6235-3A</u> P/N ON: <u>AN6235-3A</u>	 	
E731006	130	Check drain valve for installation and leaks	 	
E731008	130	Do a visual inspection of the P3 filter and drain valve.	 	
E731018	130	Clean or replace the P3 filter based on condition, service experience or environment. <b>Note:</b> If corosions are found, replace filter.	 	



## MAINTENANCE PROGRAM CESSNA 208/208B

### Appendix D01 – Engine PT6A-114A 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E732001	130	Check FCU for installation, linkages and pneumatic tubes.	 	
E732002	130	Examine the FCU for bearing wash-out, shown by blue dye (grease and fuel mixed) at FCU vent.	 	
E792002	130	Oil filter elements and secondary screen (coarse hat-type screen attached to the inner end of the filter).	 	
E792003	130	Examine the forward oil transfer elbow installation on the Flange A. Make sure that the bolts tighten correctly	 	
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610	 	

\*\*\* End of Engine PT6A-114A 100 Hours/Minor Inspection Items \*\*\*

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
KRISTIADI H	MECHANIC		-

#### 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 : APUJI GUMILANG Place/Date : TIM / 03 SEPT 2023  
Sign & Stamp :   




## MAINTENANCE PROGRAM CESSNA 208/208B

### Appendix D02 – Engine PT6A-114A 200 Hours Inspection

Reg. Mark	: PK-SNM	Date	: 03 SEPTEMBER 2023
MSN	: C208 - 00655	Station	: TIMIKA
TSN / CSN	: 4577-41 / 6118	WO No.	: WO/060-SNM/VIII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E793001	130	Check magnetic chip detector(s) for continuity, open circuit must exist indicating no contamination at pole tips.		

\*\*\* End of Engine PT6A-114A 200 Hours Inspection Items \*\*\*

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
KRISTIADI H	MECHANIC		-

### 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 : ARWJI GUMILANG Place/Date : TIM / 03 SEPTEMBER 2023  
Sign & Stamp : 



## MAINTENANCE PROGRAM CESSNA 208/208B

### Appendix D03 – Engine PT6A-114A 200 Hours or 6 Months Inspection

Reg. Mark	: PK-SNM		Date	: 03 SEPTEMBER 2023	
MSN	: C208-0065		Station	: TIMIKA	
TSN / CSN	: 4577-41 / 618		WO No.	: WD/00-SNM/VII/2023	
ITEM CODE NO.	ZONE	TASK	SIGNATURE		
			ENGINEER SIGN&STAMP	RII SIGN&STAMP	
E793000	130	Do a visual inspection of the AGB internal scavenge oil pump inlet screen			
*** End of Engine PT6A-114A 200 Hours or 6 Months Inspection Items ***					

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
KRISTADI H			

### 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 : Arudi GUMULANG Place/Date : \_\_\_\_\_  
Sign & Stamp :





## MAINTENANCE PROGRAM CESSNA 208/208B

### Appendix D05 – Engine PT6A-114A 600 Hours Inspection

Reg. Mark	: PK-SNM	Date	: 03 SEPTEMBER 2023
MSN	: C208 - 00665	Station	: TIMIKA
TSN / CSN	: 4577.41 / 648	WO No.	: WO/020-SNM/VIII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E731005	130	Check inlet screen for foreign matter or distortion, clean and reinstall, or install new screen.	 	
E753001	130	Do a visual inspection of the compressor bleed valve.	 	
*** End of Engine PT6A-114A 600 Hours Inspection Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
KRISTIADI H	MECHANIC		-

### 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 : Apuji GUMILANG Place/Date : TM / 03 SEPTEMBER 2023  
Sign & Stamp :  



# MAINTENANCE PROGRAM

## CESSNA 208/208B

### Appendix D06 – Engine PT6A-114A 600 Hours or 12 Months Inspection

Reg. Mark	: PK-SNM	Date	: 03 SEPTEMBER 2023
MSN	: C208-00055	Station	: TIMIKA
TSN / CSN	: 4577-41 / GUB	WO No.	: WO/060-SNM/VIII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E793002	130	Bridge the chip detector(s) magnetic bar with correct jumper and use an applicable ohmmeter to make sure that continuity between connector pins.	 	
*** End of Engine PT6A- 114A 600 Hours or 12 Months Inspection Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
KARYADI H	MECHANIC		

### 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 : ARUJI GUMILANG Place/Date : TIM / 03 SEPTEMBER 2023  
Sign & Stamp : 



**EMERGENCY EQUIPMENT  
LIST  
INSPECTION & MONITOR**

**PT. SMART CAKRAWALA  
AVIATION  
DEPARTMENT TEKNIK  
Form: SCA/MTC/023**

DATE : 3 SEPTEMBER 2023	A/C REG : PK-SNM
A/C TYPE : C208	CHECKER : ARUJI. G. SIGN: 

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	PO1202-201W	21071600007	MARCH 2030	Good
2	Co-Pilot Life Vest	PO1202-201W	2107100019	MARCH 2030	Good
3	Pax Life Vest				
4	Pax Life Vest				
5	Pax Life Vest				
6	Pax Life Vest				
7	Pax Life Vest				
8	Pax Life Vest				
9	Pax Life Vest				
10	Pax Life Vest				
11	Pax Life Vest				
12	Pax Life Vest				
13	Firt Aid Kit	FL200-FAKFAA	0721-2112	DECEMBER 2023	OK
14	Crash Axe Installed	LOCAL	NCN	ON CONDITION	Good
15	Fire Extinguisher	6352	C60589689	NOV 2023	SERVICEABLE
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)	N/A	-	-	-
OTHERS					
18.	FLASH LIGHT	LOCAL	NCN	ON CONDITION	OK