

Step 0: Push 2nd button from left

REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	INITIAL
R0	INITIAL RELEASE	1/19/10	KLK	
R1	REVISED SHEETS 3 AND 4	10/19/10	KLK	
R2	REVISED ALL SHEETS TO REMOVE ALL BUT IAS & DATALOG LOCKDOWN	08/16/13	RLJ	

Step 1:

EFIS					
MENU	BARO	AP	LISTS	MORE	EXIT

 Push "MORE"

Step 2:

EFIS					
SETUP	INFO	DIM	TIMER	MORE	EXIT

 Push "SETUP"

Step 3:

SETUP					
PITCH	UNITS	CLOCK	CLTTR	MORE	BACK

 Push "UNITS"

Step 4:

UNITS					
IAS:	KNOTS	ALT:	FEET	MORE	BACK

 Push "MORE"

Step 5:

UNITS			
TEMP: CELCUS	BARO: IN HG	MORE	BACK

 Push "MORE"

Step 6:

UNITS			
DIST: NAUT M		MORE	BACK

 Push "BACK"

Step 7:

SETUP					
PITCH	UNITS	CLOCK	CLTTR	MORE	BACK

 Push "CLTTR"

Step 8:

CLTTR					
ALTBAR	ALTDIG	IASBAR	IASDIG	MORE	BACK

 Push "MORE"
toggle ON toggle ON toggle ON toggle ON

NOTES:
 1. ALL SETTINGS NOT DEFINED BY THIS DRAWING ARE ACCEPTABLE AS CONFIGURED FROM MANUFACTURER.
 2. LOCKED SETTINGS ARE SHOWN

SHADED.

Step 9:

CLTTR					
HDG	BALL	TURNRT	AOABAR	MORE	BACK

 Push "MORE"
toggle ON toggle ON toggle ON toggle OFF

Step 10:

CLTTR					
CLOCK	BARO	ROLL:1	GTRK:Y	MORE	BACK

 Push "MORE"
toggle ON

Step 11:


CLTTR					
WIND:Y	ASTRND	VSI:2K	CDI:Y	MORE	BACK

 Push "MORE"
toggle ON

Step 12:

CLTTR				
CRS:Y	TRIM		MORE	BACK

 Push "BACK"
toggle ON

	VAN'S AIRCRAFT, INC.		
	PART DESCRIPTION: DYNON D180 PRESETS MATERIAL SPECIFICATION: DYNON 100567-001		
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 1 OF 7	NUMBER PER AIRCRAFT: 1
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL		
FLAT PATTERN TOLERANCE: N/A BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)			

REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	INITIAL
R2	SEE SHEET 1	08/16/13	RLJ	

Step 1:

SETUP					
PITCH	UNITS	CLOCK	CLTTR	MORE	BACK

 Push "MORE"

Step 2:

SETUP					
VRSION	IASCLR	OAT	ALTENC	MORE	BACK

 Push "IASCLR"

Step 3:

IASCLR					
VSO	VS1	VFE	VNO	VNE	BACK
set to 41	set to 45	set to 82	set to 108	set to 136	

 Push "BACK"

Step 4:

SETUP					
VRSION	IASCLR	OAT	ALTENC	MORE	BACK

 Push "ALTENC"

Step 5:

ALTENC		
FRMAT: 4	RES: 10 FT	BACK

 Push "BACK"

Step 6:

SETUP					
VRSION	IASCLR	OAT	ALTENC	MORE	BACK

 Push "MORE", "MORE", "MORE"

Step 7:

SETUP					
BARO	STYLE	HSI	DSAB	MORE	BACK

 Push "BARO"

Step 8:

BARO		
UNITS: IN HG	ADJUST AT BOOT:ON	BACK

 Push "BACK"

Step 9:

SETUP					
BARO	STYLE	HSI	DSAB	MORE	BACK

 Push "STYLE"

Step 10:

STYLE	
STYLE:MODERN	BACK

 Push "BACK"

Step 11:

SETUP					
BARO	STYLE	HSI	DSAB	MORE	BACK

 Push "HSI"


Step 12: Push "DOWN V" until "EFIS/EMS SERIAL>" is highlighted, then push "SEL"

Step 13: EFIS/EMS DATA PORT Push "BACK", "BACK"
 -EFIS SERIAL-
 INPUT: AUTO
 BAUD RATE: AUTO
 -EMS SERIAL-
 INPUT: NMEA
 BAUD RATE: 9600

Step 14:

SETUP					
BARO	STYLE	HSI	DSAB	MORE	BACK

 Push "MORE"

	VAN'S AIRCRAFT, INC.		
	PART DESCRIPTION: SEE SHEET 1 MATERIAL SPECIFICATION: SEE SHEET 1		
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 2 OF 7	NUMBER PER AIRCRAFT: 1
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL		
FLAT PATTERN TOLERANCE: N/A			
BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)			

REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	INITIAL
R0	INITIAL RELEASE	1/19/10	KLK	
R1	ADDED ALARM CONFIG SETTING	10/19/10	KLK	
R2	SEE SHEET 1	08/16/13	RLJ	

SETUP

Step 1: DATALOG AP MORE EXIT Push "DATALOG"

Step 2: DATALOG CONFIG
 RECORDING: ON
 INTERVAL: 1 SEC
 RECORD AT BOOT: YES
 MARK NOW
 ERASE LOG
 ERASE MIN/MAX LOG
 ERASE SNAPSHOT LOG
 Push "BACK", then "BACK", then "EXIT"

Step 9: GLOBAL
 -PILOT SETUP-
 UNITS
 ALARM CONFIG
 DATALOG CONFIG
 Push "DOWN V" until "ALARM CONFIG" is highlighted, then push "SEL>"

Step 3: Push second button from right

-SCREEN SETUP-
 INFO ITEM CONFIG
 ROTATION
 ORDER

Step 4: MENU AUX FUEL MORE BACK EMS Push "MORE"

-INSTALL SETUP-
 ENGINE TYPE: ROTAX
 HP RATING: N/A
 #OF CHT: 2
 # OF EGT: 2
 CYL DISP: SPLIT
 # OF FUEL TANKS: 1
 SET HOBBS TIME
 SET TACH TIME

Step 5: LISTS SETUP DIM TIMES MORE BACK EMS Push "SETUP"


-LOCAL DATA PORT-
 EFIS/EMS SERIAL

Step 6: CLOCK VRSION GLOBAL SENSOR MORE BACK SETUP Push "GLOBAL"

Step 10: ALARM CONFIG
 PWR ON ALARMS: ON
 LGT BHVR: DIM OUTPT
 Push "BACK", then "BACK"

Step 7: Push "SEL>"

Step 8: MAN PRESS: INCHES HG
 PRESSURE: PSI
 VOLUME: GALLONS
 ENGINE TEMP: FARNHT
 DISTANCE: NAUT MLS
 SPEED: KNOTS
 ALTITUDE: FEET
 OAT TEMP: CELCUS
 BARO: INCHES HG
 Push "BACK"

		VAN'S AIRCRAFT, INC.		
		PART DESCRIPTION: SEE SHEET 1 MATERIAL SPECIFICATION: SEE SHEET 1		
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12	
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 3 OF 7	NUMBER PER AIRCRAFT: 1	
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL			
<small>FLAT PATTERN TOLERANCE: N/A BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)</small>				

REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	INITIAL
R0	INITIAL RELEASE	1/19/10	KLK	
R1	STEP 1 MOVED TO THIS SHEET FROM SHEET 3; RE-NUMBERED STEPS 2 THRU 11	10/19/10	KLK	
R2	SEE SHEET 1	08/16/13	RLJ	

SETUP

Step 1: CLOCK VRSION GLOBAL SENSOR MORE BACK Push "SENSOR"

Step 8: Push "DOWN V" until "OIL TEMP" is highlighted, then push "SEL>"

Step 2: Push "SEL>"

Step 9: OIL TEMP (°F) Push "BACK"

Step 3: TACHOMETER (RPM) Push "BACK"
 DISPLAY: ON
 POSITION: RIGHT
 ALARM: OFF
 PULS/REV R: 1.0
 PULS/REV L: 1.0
 CRUISE RPM: 5000

DISPLAY: ON
 ALARM: SELF-CLEAR
 SENSOR TYPE: 4
 USING CUSTOM
 ENGINE DISPLAY
 SETTINGS

USING CUSTOM
 ENGINE DISPLAY
 SETTINGS

Step 10: Push "DOWN V" until "EGT" is highlighted, then push "SEL>"

Step 4: Push "DOWN V" until "MANIFOLD PRES." is highlighted, then push "SEL>"


Step 11: EGT (°F) - PAGE 1 Push "BACK"

Step 5: MANIFOLD PRES. (INHG) Push "BACK"
 DISPLAY: ON
 POSITION: LEFT
 ALARM: OFF
 TOP RED: 40.0
 HI RED/YEL: 40.0
 HI YEL/GRN: 40.0
 BOTTOM GRN: 0.0
 SENSOR TYPE: 1

DISPLAY: ON
 ALARM: SELF CLEAR
 TOP OF SCALE: 1700
 HI RED/YEL: 1620
 HI YEL/GRN: 1470
 LO GRN/YEL: 400
 LO YEL/RED: 300
 BOT OF SCALE: 800
 SCALE SECTIONS: 4
 (EGT °/SECT): 225
 -- NEXT PAGE --

Step 6: Push "DOWN V" until "OIL PRESSURE" is highlighted, then push "SEL>"

Step 7: OIL PRESSURE (PSI) Push "BACK"
 DISPLAY: ON
 ALARM: SELF CLEAR
 TOP RED: 110
 HI RED/YEL: 100
 HI YEL/GRN: 73
 LO GRN/YEL: 29
 LO YEL/RED: 12
 BOTTOM RED: 0
 SENSOR TYPE: 4

		VAN'S AIRCRAFT, INC.		
		PART DESCRIPTION: SEE SHEET 1 MATERIAL SPECIFICATION: SEE SHEET 1		
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12	
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 4 OF 7	NUMBER PER AIRCRAFT: 1	
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL			
<small>FLAT PATTERN TOLERANCE: N/A BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)</small>				

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED INITIAL
R2	SEE SHEET 1	08/16/13	RLJ

Step 1: Push "DOWN V" until "CHT" is highlighted, then push "SEL>"

Step 7: Push "DOWN V" until "FUEL FLOW" is highlighted, then push "SEL>"

Step 2: CHT (°F) - PAGE 1 Push "BACK"
 DISPLAY: ON
 ALARM: SELF CLEAR
 TOP OF SCALE: 270
 HI RED/YEL: 245
 HI YEL/GRN: 230
 LO GRN/YEL: 100
 LO YEL/RED: 0
 BOT OF SCALE: 100
 SCALE SECTIONS: 4
 (CHT °/SECT): 43
 -- NEXT PAGE --

Step 8: FUEL FLOW (GPH) Push "BACK"
 DISPLAY: TEXT
 K-VALUE: 44336
 ALARM: SELF CLEAR
 TOP RED: 11.0
 HI RED/GRN: 10.0
 BOTTOM GRN: 0.0
 RETURN FLOW: 000000

Step 3: Push "DOWN V" until "FUEL LEVEL" is highlighted, then push "SEL>"

Step 9: Push "DOWN V" until "VOLTAGE" is highlighted, then push "SEL>"


Step 4: FUEL LVL. (GALLONS) Push "BACK"
 DISPLAY: ON
 ALARM: SELF CLEAR
 TANK 1 NAME: MAIN
 LO GRN/YEL: 7.0
 LO YEL/RED: 3.5
 SENSOR TYPE: 1

Step 10: VOLTAGE (VOLTS) Push "BACK"
 ALARM: SELF CLEAR
 TOP RED: 14.7
 HI RED/YEL: 14.6
 HI YEL/GRN: 14.3
 LO GRN/YEL: 13.7
 LO YEL/RED: 11.5
 BOTTOM RED: 11.0

 DISPLAYED: INFO 1
 DISPLAYED: INFO 3

Step 5: Push "DOWN V" until "FUEL PRESSURE" is highlighted, then push "SEL>"

Step 6: FUEL PRESSURE (PSI) Push "BACK"
 DISPLAY: DIAL
 ALARM: SELF CLEAR
 TOP RED: 6.0
 HI RED/YEL: 5.8
 HI YEL/GRN: 5.0
 LO GRN/YEL: 3.0
 LO YEL/RED: 0.7
 BOTTOM RED: 0.0
 SENSOR TYPE: 1

		VAN'S AIRCRAFT, INC.	
		PART DESCRIPTION: SEE SHEET 1 MATERIAL SPECIFICATION: SEE SHEET 1	
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 5 OF 7	NUMBER PER AIRCRAFT: 1
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL		
<small>FLAT PATTERN TOLERANCE: N/A BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)</small>			

REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	INITIAL
R2	SEE SHEET 1	08/16/13	RLJ	

Step 1: Push "DOWN V" until "CURRENT" is highlighted, then push "SEL>"

Step 9: Push "DOWN V" until "EMS CONTACT 1" is highlighted, then push "SEL>"

Step 2: CURRENT (AMPS) Push "BACK"
 TYPE: -60A TO 60A
 ALARM: SELF CLEAR
 TOP RED: +30.0
 HI RED/YEL: +28.0
 HI YEL/GRN: +18.0
 LO GRN/YEL: -2.0
 LO YEL/RED: -15.0
 BOT OF RED: -17.0
 SENSOR TYPE: 1

 DISPLAYED: INFO 2
 DISPLAYED: INFO 6

Step 10: EMS CONTACT 1 Push "BACK"
 DISPLAY: ON
 ALARM: SELF CLEAR
 NAME: SPAR
 CLSD LABEL: GOOD
 CLSD COLOR: GREEN
 OPEN LABEL: BAD
 OPEN COLOR: RED

 DISPLAYED: INFO 7

Step 3: Push "DOWN V" until "EMS GP INPUT 1" is highlighted, then push "SEL>"

Step 11: Push "DOWN V" until "EMS CONTACT 2" is highlighted, then push "SEL>"

Step 4: EMS GP IN 1 (°F) Push "BACK"
 FUNCT: ROTAX CHT L

 SEE CHT MENU
 FOR SETTINGS

Step 12: EMS CONTACT 2 Push "BACK", then "BACK"
 DISPLAY: ON
 ALARM: OFF
 NAME: STAL
 CLSD LABEL: PUSH
 CLSD COLOR: RED
 OPEN LABEL:
 OPEN COLOR: BLACK


Step 5: Push "DOWN V" until "EMS GP INPUT 2" is highlighted, then push "SEL>"

Step 6: EMS GP IN 2 (°F) Push "BACK"
 FUNCT: ROTAX CHT R

 SEE CHT MENU
 FOR SETTINGS

Step 7: Push "DOWN V" until "EMS GP INPUT 3" is highlighted, then push "SEL>"

Step 8: EMS GP IN 3 Push "BACK"
 FUNCT: TRIM ELEV
 SENSOR TYPE: 1

		VAN'S AIRCRAFT, INC.		
		PART DESCRIPTION: SEE SHEET 1 MATERIAL SPECIFICATION: SEE SHEET 1		
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12	
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 6 OF 7	NUMBER PER AIRCRAFT: 1	
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL			
<small>FLAT PATTERN TOLERANCE: N/A BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)</small>				

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED INITIAL
R2	SEE SHEET 1	08/16/13	RLJ

Step 1:

CLOCK	VERSION	GLOBAL	SENSOR	MORE	BACK
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Push "MORE"

Step 7: Push "DOWN V" until "ADD THRESHOLD" is highlighted, then push "SEL>"

Step 2:

					SETUP
FUEL	TRIM	FLAPS	DSAB	MORE	BACK

Push "FUEL"

Step 8: ADD THRESHOLD (%) INCREASE: 20 Push "BACK", then "BACK", then "BACK", then "EXIT"

ENTER A PERCENT (OF THE FULL TANK VALUE) INCREASE IN ANY TANK THAT WILL TRIGGER A PROMPT TO ADD FUEL TO THE FUEL COMPUTER AT BOOT.

Step 3: Push "DOWN V" until "FULL VALUE" is highlighted, then push "SEL>"

Step 4: FULL VALUE (GALS) LEVEL: 19.8 Push "BACK"

ENTER THE TOTAL AMOUNT OF FUEL BETWEEN ALL TANKS. THIS VALUE IS USED FOR FUEL REMAINING CALCULATION.

When creating a lock file using the Dynon Support Program there exists the option to lock selected menus.

Under EFIS display setup menus, the following menus must be locked:

- Airspeed Colors

Under EFIS I/O setup menus, the following menus must be locked:


- Datalog

No other menus are to be locked.

Step 5: Push "DOWN V" until "PRESET VALUE" is highlighted, then push "SEL>"

Step 6: PRESET VALUE (GALS) LEVEL: 19.8 Push "BACK"

ENTER A PRESET AMOUNT OF FUEL BETWEEN ALL TANKS. THIS MAY BE A COMMON REFILL VALUE THAT IS NOT 100% FULL (I.E. 2 OF YOUR 4 TANKS).

		VAN'S AIRCRAFT, INC.	
PART DESCRIPTION: SEE SHEET 1			
MATERIAL SPECIFICATION: SEE SHEET 1			
DATE DRAWN: 10/6/09	UNITS: INCHES	DRAWING NO.: 12 D180 PRESETS	AIRCRAFT: RV-12
DRAWN BY: K. KRUEGER	SCALE: NONE	SHEET 7 OF 7	NUMBER PER AIRCRAFT: 1
DESIGNED BY: K. KRUEGER	PATH: Q:\RV-12\SYSTEMS\ELECTRICAL SYSTEM\12 D180 PRESETS.SLDDRW A-SIZE ORIGINAL		
FLAT PATTERN TOLERANCE: N/A			
BENDING TOLERANCE: N/A (UNLESS OTHERWISE SPECIFIED)			