


Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Electric System (IBBS / CAS Message / Fillerneck bonding)	Doc-Nr: ADxC-73-SB-037 Issue: B Date: 22.03.2024 Change Nr.: DC-104/DC-117
Service Bulletin Bristell B23			

Amendments

Issue	Reason	Date
A	Initial issue (DC-104)	23.11.2023
B	Introduction of Compliance Time (DC-117)	22.03.2024

Electric System (IBBS / CAS Message / Fillerneck bonding)

- I. IBBS:
 - a design improvement of the IBBS (backup battery) GND return wiring is introduced. The original installation is adequate for normal operating conditions, but does not enable use of full IBBS potential in certain failure or degraded state.

- II. External Alternator bonding
 - On all B23 variants (with Rotax 912 and Rotax 915iS engine) a separate bonding/return cabling is needed for the external alternator. Bonding/ground return through the mechanical metal connections are unreliable due to surface treatment. Insufficient conductivity leads to engine block electric potential variations resulting in erroneous sensor reading and reduced external alternator performance.


- III. ALT 2 and ALT C CAS:
 - On some serial numbers of B23 aircraft variants (B23 / B23-915) the CAS message “ALT 2” and “ALT C” respectively erroneously may be programmed “white” while AFM and type design definition is “amber”. This shall be checked and corrected.

- IV. ALT C Capacitor:
 - On 915iS (B23-915 / B23-915-G500) variants a design improvement is introduced adding a capacitor. The electric system voltage characteristics with combined failure (or disconnection of) GEN A/B and main battery, leaving ALT C as the only source, is improved.

- V. Fuel filler neck bonding:
 - Production observation showed a wide range of resulting fuel filler neck bonding quality due to sealant and filler neck surface anodization. All affected airplanes are checked and, if the bonding is not within limits, changed accordingly.

- VI. Cockpit light dimmer potentiometers secured against rotation:
 - In case of not properly torqued, the potentiometers could get loose and rotate when being actuated. All affected airplanes are checked and properly torqued if necessary. Alternatively, a securing potentiometer bed can be installed to avoid this rotation.

- VII. ALT 2 and ALT C R1 Resistor exchange (optional):
 - The resistor is attached directly to the alternator. Vibrations can cause this resistor connection to brake. The resistor can be replaced with a sturdier resistor and can be installed at a location closer to the firewall, where less vibrations are present.

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STANDARD

0 General


0.1 ATA Code

ATA 24 ELECTRICAL POWER

0.2 Effectivity

All BRM Aero B23 models, all serial numbers:

- without installed DC-104.
- TCDS: EASA.A.642

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1 Planning information

1.1 Reason

Correction of (potential) non-conformities and design rectifications.

1.2 Safety Intent

The safety intent is N/A.

1.3 Configuration Description

If criteria in Section 0 met,

- On all affected airplanes: change IBBS GND return wiring according detail instructions section 3
- On all affected airplanes: retrofit external alternator AWG8 ground wire.
- On all affected airplanes: Check ALT 2 (912) or ALT C (915) CAS message and correct if needed according detail instructions section 3
- On all affected 915iS engine variants install capacitor according instructions section 3
- On all affected airplanes: measure fuel filler neck to exhaust resistance, and correct if needed according detail instructions in section 3.
- On all affected airplanes: torque the potentiometers and if necessary, install a securing potentiometer bed according to the instruction in section 3.
- Optionally replace the R1 resistor of the ALT 2 (912) or ALT C (915) by a sturdier one.

1.4 Compliance

If criteria in Section 0 is met

Service bulletin must be accomplished

- This SB could be made mandatory by an EASA AD.
 This SB is mandatory as per EASA AD no. xyxyx

- Service bulletin recommended to be accomplished to prevent significant operational disruptions
- Service bulletin to introduce improvements
- Service bulletin for convenience or option


Compliance time: at next annual inspection / 100h inspection whichever comes first.

1.5 Approval statement

The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.411.

1.6 Concurrent publications

- ADxC-73-AMM-001 Edition 2.2
- ADxC-73-AMM-003 Edition 1.1
- ADxC-73-AMM-049 Edition 1.2
- ADxC-73-AMM-070 Edition 1.1

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1.7 Manpower

Approx. 8 hours are required to accomplish this SB.

1.8 Weight and Balance

n/a

1.9 Electrical load data

n/a

1.10 Software modification

n/a

1.11 Referenced documentation

For all aircraft models:

- 34B220204N issue A

For B23:

- 34B220000N issue E
- 34B220200N issue E
- 34B240000N issue D
- 34B200000N issue F

For B23:, B23-915

- 34B520000N issue C
- 34B520200N issue C
- 34B950106N issue A
- 34B500000N issue C
- 34B540000N issue B

For B23:, B23-912-G500


- 34B620000N issue B

For B23:, B23-915-G500

- 34B920000N issue B

1.12 Other publications effected

n/a

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2 Material information

2.1 Material- cost – availability

For material cost contact BRM Aero

2.2 Company support information

Affected publications and parts can be ordered from

BRM AERO, s.r.o.

Address: Letecká 255 686 04 Kunovice Czech Republic

Phone: + 420 773 984 338

E-mail 1: info@brmaero.com


E-mail 2: aero.brm@gmail.com

Web: <http://www.brmaero.com>

Affected documentation can be downloaded from

<https://www.bristell.com/technical-documentation/>

For the latter login credentials must be ordered form BRM Aero, s.r.o.

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2.3 Material requirements per aircraft

- I. IBBS GND Wire
 - AWG-20 ground wire and standard part according to 34B220000N (Rotax 912), 34B520000N (Rotax 915iS), 34B920000N (Rotax 915-G500), 34B620000N (Rotax 912-G500).

- II. External alternator ground return wire
 - Alternator bonding cable 34B220203N
 - Standard Parts as per 34B220204N installation drawing.

- III. ALT 2 and ALT C CAS Rotax 912 and Rotax 915iS variants (without G500)
 - no material required

- IV. ALT C Capacitor (ROTAX 915iS variants only)
 - Capacitor Cable Harness PN 34B950105N
 - Capacitor 22.000µF ADxC-73-DDP-2482
 - Standard Parts as per 34B950106N installation drawing

- V. Fuel filler neck bonding
 - If measured bonding is insufficient (minimum) two rivets D4.2mm PN 1201-4008 per tank.
 - Mastic and top coat

- VI. Light dimmer potentiometers
 - Optional:
 - o Potentiometer bed Part number 25B200060N
 - o Polyurethane sealant Emfimastic PU50


- VII. ALT2 and ALTC R1 resistor improvement
 - Optional:
 - o Resistor R1 2.2kΩ RN60D2201FB14
 - o Splices SP121 and SP122
 - o M22759/16-20-9 (AWG 20) wire
 - o Other wires as required iaw drawing 34B220000N (Rotax 912), 34B520000N (Rotax 915iS), 34B920000N (Rotax 915-G500), 34B620000N (Rotax 912-G500).

2.4 Rework parts

n/a

2.5 Special tooling

n/a

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3 Accomplishment/Instructions

3.1 IBBS

- Replace the IBBS battery AWG-20 ground cable by three AWG-20 ground wires according to drawing 34B220000N (Rotax 912), 34B520000N (Rotax 915iS), 34B920000N (Rotax 915-G500), 34B620000N (Rotax 912-G500).

3.2 External alternator ground return

Install the alternator bonding cable 34B220203N according to drawing 34B220204N and 34B240000N (912) or 34B540000N (915).

3.3 ALT 2, ALT C CAS Message

- In the G3X, enter the configuration mode iaw Garmin G3X Touch Installation Manual 190-01115-01 Section 35.2.
- Navigate to “Engine Information System Configuration”
- Enter the ALT 2 or ALT C menu under „GEA 24 discrete input“
- Change the alert colour to YELLOW.
- Exit the configuration mode selecting the save and reboot option.

3.4 ALT C Capacitor retrofit

- Install the Capacitor Cable Harness PN 34B950105N and the 22.000µF capacitor (ADxC-73-DDP-2482) according to drawing 34B950106N and 34B540000N.

3.5 Filler neck bonding

Testing the conductivity:

Using a good quality multimeter (bonding checker) measure and adequate length of test lead wiring:


- Check resistance of multimeter wiring (direct connection of used wire ends)
- Check resistance of electric path filler neck to exhaust.

Explanation: The standard point of bonding the aircraft when filling fuel is the exhaust. Static charge potentially built up in previous flight or due to flowing fuel must safely be discharged, respectively the entire airframe must be on the same electric potential than the fuelling station.

The filler neck original part as delivered features a anodised surface which for the practical purposes of discharging is isolating. The (improved) rivet connection drills out some material providing a clean, not anodised surface, the (new) rivet bridges from the filler neck to the skin. In production this clean surface inconsistently is wetted with sealing compound preventing good conductivity.

When performing the test:

- Make sure the connection on both ends is in good condition. On the exhaust use a clamp on a cleaned surface. This cleaning can be accomplished locally with a bit of sandpaper.

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- On the filler use a sharp test head poking with force through the actual surface OR use a tube, simulating the fuel-filler “pistol” and rotate with moderate force against the inner flange edge. Do not measure on the rivets or skin or filler cap.

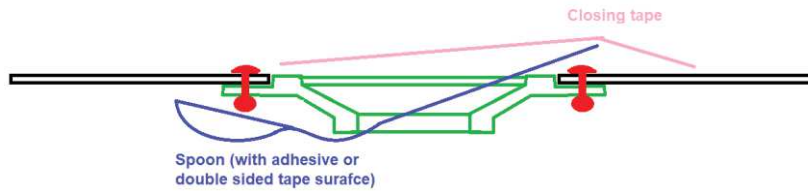


- The acceptable resistivity is $R < 50\text{m}\Omega$. The measured resistivity of the wiring alone must be accounted for (tara). Hence, measurement point to point max 0.05Ω + measurement wiring.
- Test must be performed for each tank.


Rework if resistivity is not acceptable

- Before commencing with rework make sure that the (not acceptable) result is really due to the filler neck mounting by performing the same type of measurement between filler neck and wing structure (by using an arbitrary access hatch screw head) and between exhaust and wing structure. If it is determined that the bonding between wing structure and exhaust is the problem contact ADxC/BRM for further instructions.
 - Drain the fuel from the tank in question and ventilate properly (recommended minimum 24 hours).
 - Insert in the filler neck an inverted “umbrella” or “spoon” to catch debris and drilled out rivet. Generously apply double sided tape on the “umbrella” or “spoon” surface to also catch small particles and to make sure they stick when removing.
 - Make sure the tank surface below the filler is absolutely dry to be able to spot and remove any debris potentially escaping the trap.
 - Cover the filler opening with tape before drilling
-

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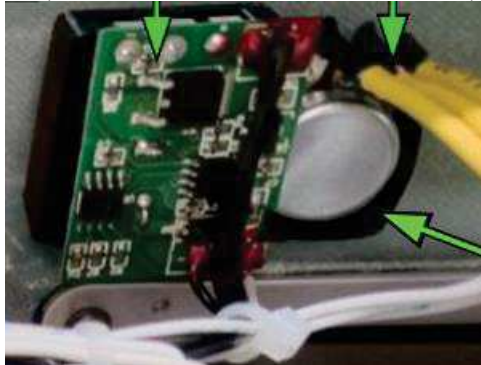


- Drill out ONE rivet (using 4.2mm drill). Approach the point of penetration carefully. Clean external debris before removing the tape from the filler opening. Note the drill is larger than the original rivet. It is recommended to perform this in one step (drill out and increase) in order to have most of the drill debris outside.
- Remove “umbrella” or “spoon” slowly and carefully and check you cached the drilled out head and other debris.
- Inspect lower inner tank surface. If needed clean using sticks prepared with adhesive or double sided tape.
WARNING: a standard vacuum cleaner cannot be used due to risk of fuel vapor explosion.
- Insert and mount new (larger) rivet.
- Repeat measurement
- Perform the same operation at least with a second rivet even if measurement is already acceptable
- If measurement is not acceptable repeat as often as needed.

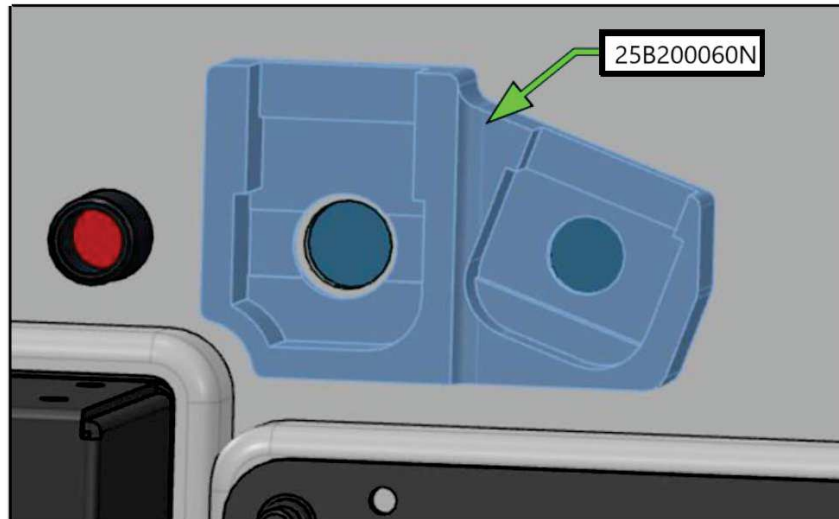
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3.6 Dimmer Potentiometers securing

- Check if the light dimmer potentiometers on the instrument panel are loose.
- Torque properly if loose.
- Consider installing part 25B200060N to secure the potentiometers.
 - o Remove instrument panel cover.
 - o Remove the LED strip dimmer potentiometer and the multidimmer potentiometer from the instrument panel.

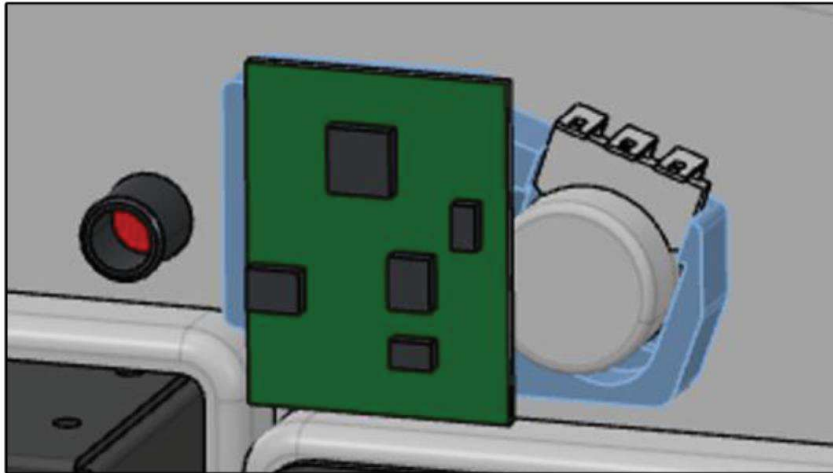


- o Sand the area where the potentiometer bed will be bonded and clean grease and dust free.
- o Bond the potentiometer bed on the sanded surface with polyurethane sealant Emfimastic PU 50 and make sure to align the holes properly.



- o Let the sealant harden at room temperature for at least 12 hours.

- Reinstall the LED strip dimmer potentiometer and the multidimmer potentiometer.

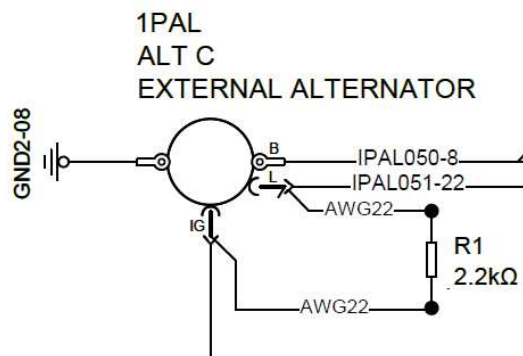


- Reinstall the instrument panel cover in reverse order.


3.7 R1 resistor replacement (optional)

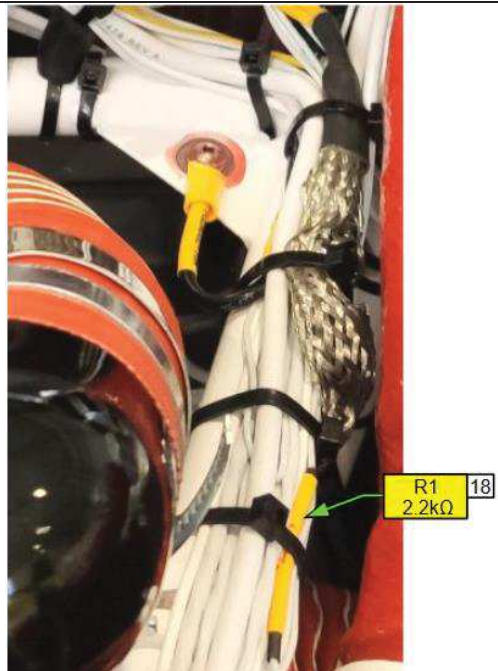
Exchange R1 resistor:

- Identify the existing R1 resistor at the ALT 2 or ALT C alternator, see example for ALT C.

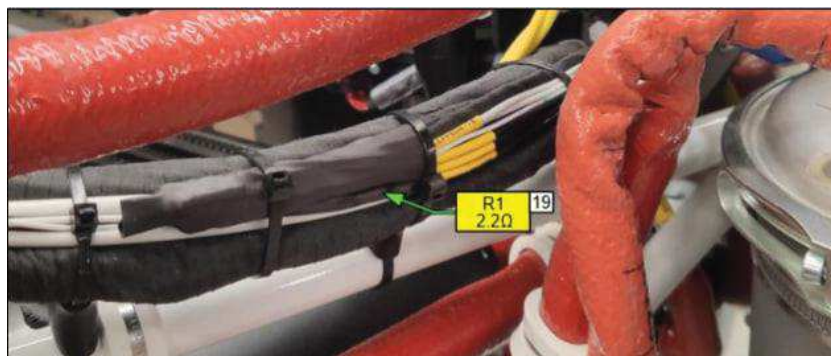


- Install the new resistor according to drawing 34B220000N (Rotax 912), 34B520000N (Rotax 915iS), 34B920000N (Rotax 915-G500), 34B620000N (Rotax 912-G500). Place the R1 resistor further away of the alternator and closer to the firewall of the aircraft.

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Installation on B23




Installation on B23-915

- Apply markings to the wires as per drawing 34B220000N (Rotax 912), 34B520000N (Rotax 915iS), 34B920000N (Rotax 915-G500), 34B620000N (Rotax 912-G500).

3.8 Final

Perform a startup procedure with:

- Switch on „backup-battery“
- Confirm the backup battery (IBBS) supplies all connected consumers and that CAS messages are correct
 - o On B23 and B23-915 IBBS supplied elements are:
 - ADHARS
 - PFD
 - EIS
 - Glareshield light
 - o On B23-915-G500 and B23-912-G500 IBBS supplied elements are:
 - GTN650 (COM I / NAV I)
 - MFD

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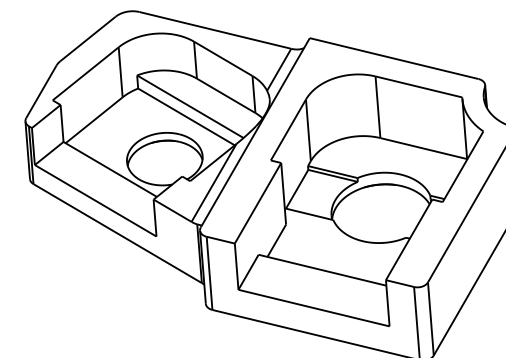
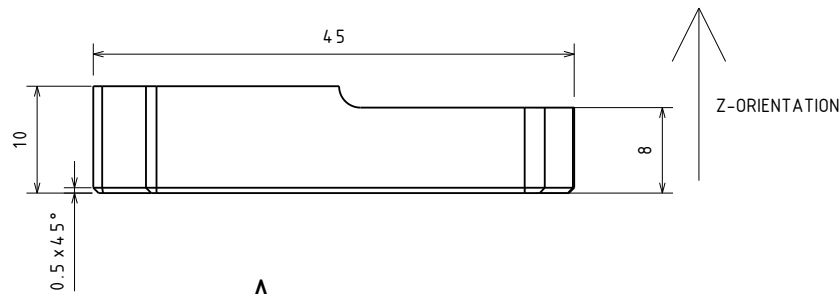
- EIS
- Glareshield light
- On B23 and B23-912-G500 CAS message (among others)
 - Amber „BACKUP BATT“ indicating that IBBS is not charged
 - Amber „ALT 2“ indicating that ALT 2 is not delivering
- On B23-915 and B23-915-G500 CAS message (among others)
 - Amber „BACKUP BATT“ indicating that IBBS is not charged
 - Amber „ALT C“ indicating that ALT C is not delivering
- Switch on (battery) master.
- Confirm amber „BACKUP BATT“ CAS message goes off (provided main battery is delivering >11Volt)
- Perform engine start up
- Confirm amber „ALT2“ respectively „ALT C“ CAS message goes off when connecting the external alternator to the grid (switch-breaker ON).
- On B23-915 and B23-915-G500
 - With engine running at 2500RPM
 - switch OFF GEN A/B
 - switch OFF (BATTERY) MASTER
 - ➔ in this condition the airframe is supplied only via ALT C
 - Confirm all consumers operate normal in this condition and while increasing engine RPM to maximum.
- Shut down aircraft according AFM

Make a log book entry and add note to aircraft CAW documentation that this Service bulletin has been incorporated.

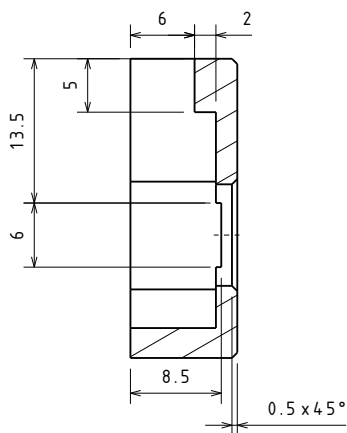
4 Appendix

Relevant dwgs:

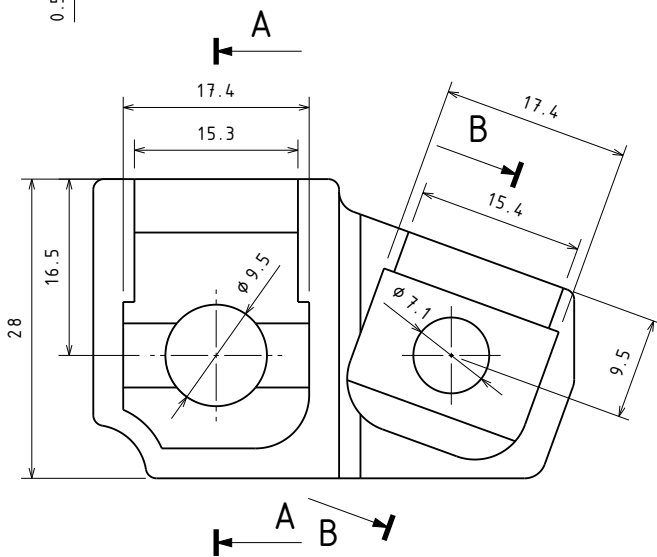
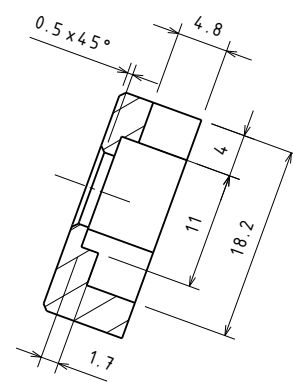
- 34B220204N A ALTERNATOR BONDING CABLE INSTALLATION
- 34B950106N A ALTERNATOR CAPACITOR INSTALLATION
- 34B220000N E ELECTRICAL POWER SYSTEM ROTAX 912
- 34B220200N E ELECTRICAL GROUNDING
- 34B520000N C ELECTRICAL POWER SYSTEM ROTAX 915iS
- 34B520200N C ELECTRICAL GROUNDING 915
- 34B620000N B ELECTRICAL POWER SYSTEM ROTAX 912-G500 DC-070
- 34B920000N B ELECTRICAL POWER SYSTEM ROTAX 915-G500 DC-058
- 34B240000N D ENGINE WIRING ASSEMBLY 912
- 34B540000N B ENGINE WIRING ASSEMBLY 915iS
- 34B200000N F AVIONICS INSTALLATION ASSY
- 34B500000N C AVIONICS INSTALLATION ASSY (915iS)



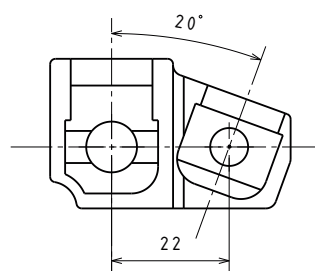
A-A(2:1)



B-B(2:1)



TOP VIEW (1:1)
POHLED Z HORA (1:1)

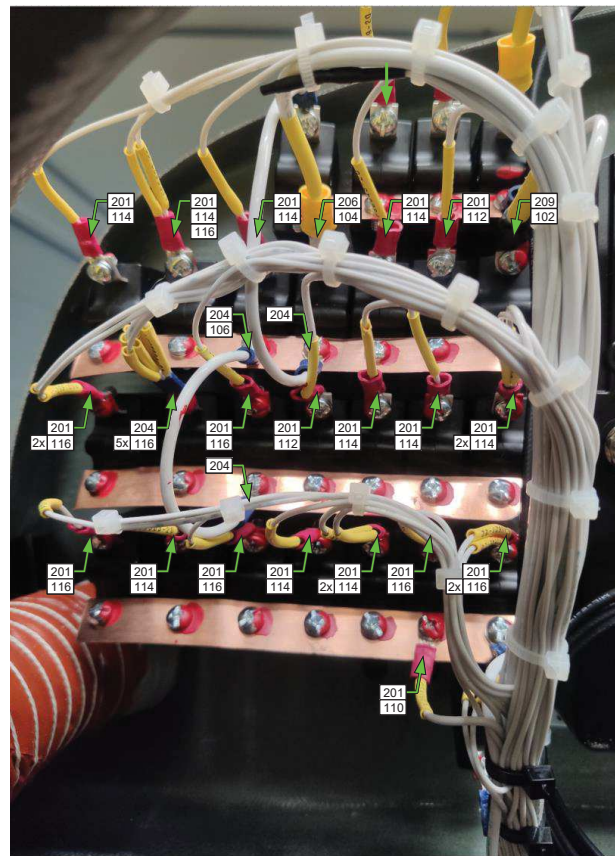
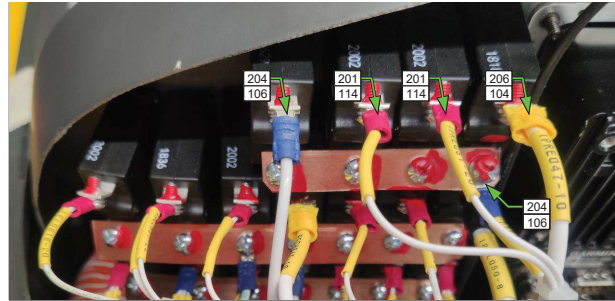
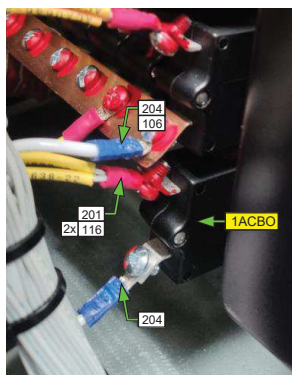
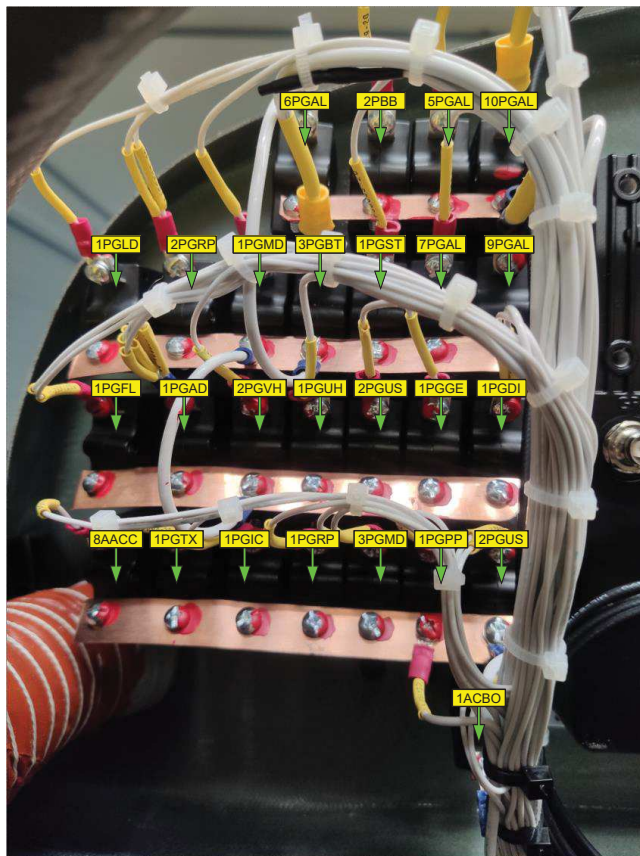


PROCES INSTRUCTION

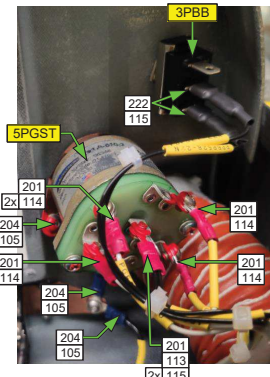
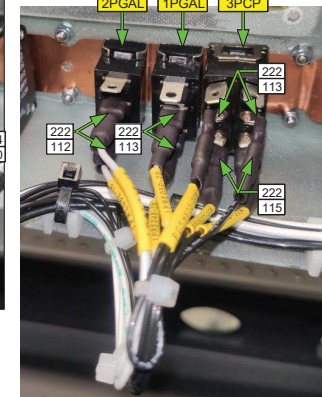
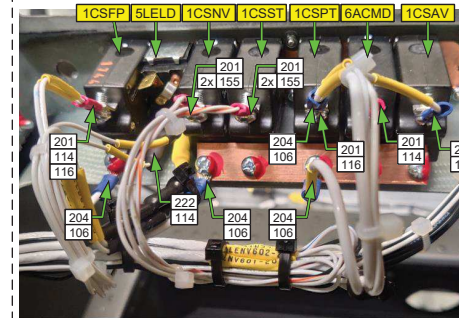
MATERIAL	PolyMide™ CoPA
MATERIAL FILAMENT DIAMETER	1,75 mm
PRIN NOZZLE DIAMETER	0,4 mm
PRINT LAYER	0,2 mm
NOZZLE TEMP.	250-260°C
BED/AMBIENT TEMP.	70°C/40°C
SUPPORT	NO
PRINT SPEED /ACCELERATION/JERK	CHOSEN BY MANUFACTURER
WALL THICKNESS SETTING (ALL)	MIN 1,3 mm
FILLING	20%
BUILT DIRECTION (LAYER STACKING Z)	CHOSEN BY MANUFACTURER
PRINT PLANE (X-Y ORIENTATION)	CHOSEN BY MANUFACTURER

- 2. TYPE DESIGN DEFINED BY STEP FILE WITH SAME DRAW. NUMBER AND REVISION
- 2. TVAR DEFINOVAN STEP FILE SE STEJNYM CISEM VYKRESU A REVIZI
- 1. MARK METHOD 5 - 0S-020
- 1. METODA ZNACENI 5 - 0S-020

Material: PolyMide™ CoPA					
Polotovar / Semi - product: --					
Úprava povrchu / Finish: --					
Hmotnost / Weight (kg): 0,005					
Měřítka / Scale: 2:1	Projekce / Projection:				
	Délkové rozměry / Units: mm				
Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature	
Tolerování / Toleration: ISO 8015		Kreslil / Drawn by	23.11.2023	chabadam	
	Skupina sled./ Traceability class: II	Číslo výkresu / Drawing number	25B200060N		Type: BRISTELL B23
	Název / Name: ZAKLADNA PRO POTENCIOMETRY POTENCIOMETER BED		List / Sheet: 1/1	Index / Revision: A A3	



CO-PILOT SIDE
STRANA CO-PILOTA



PILOT SIDE
STRANA PILOTA

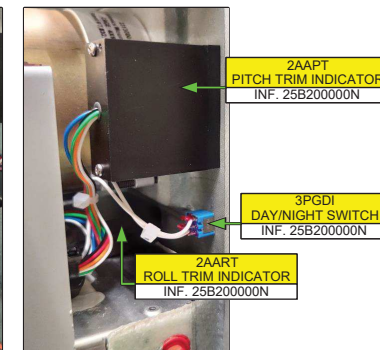
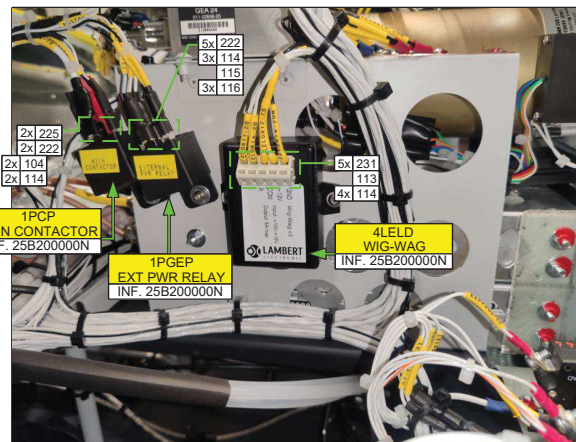
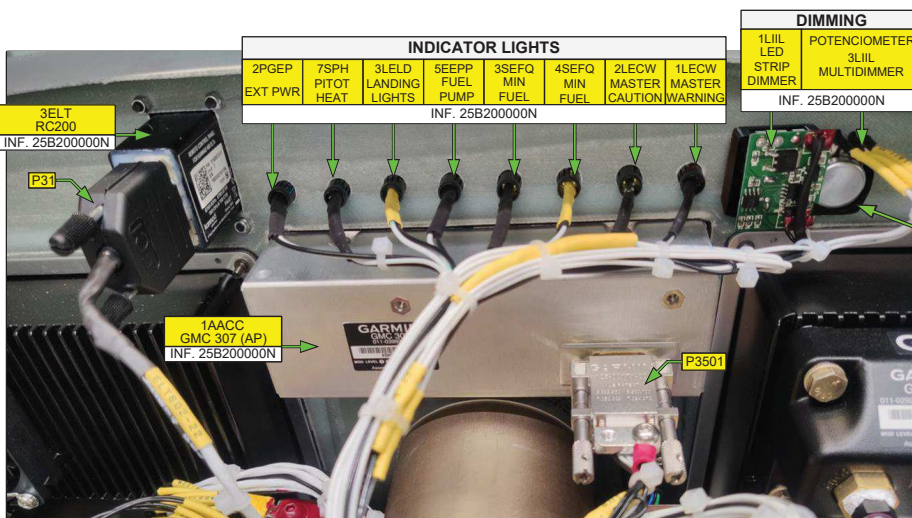
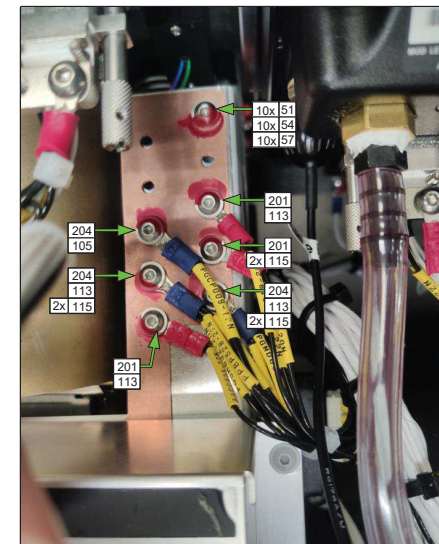
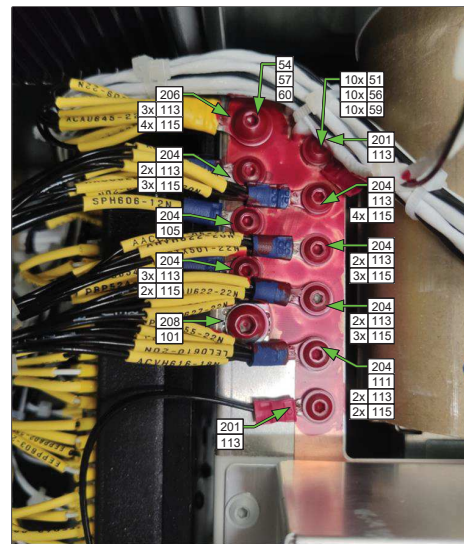
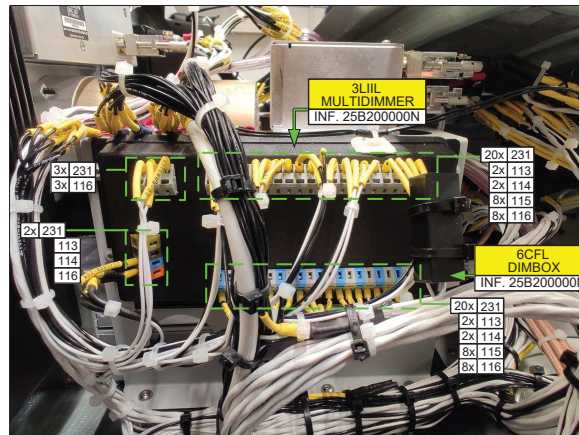
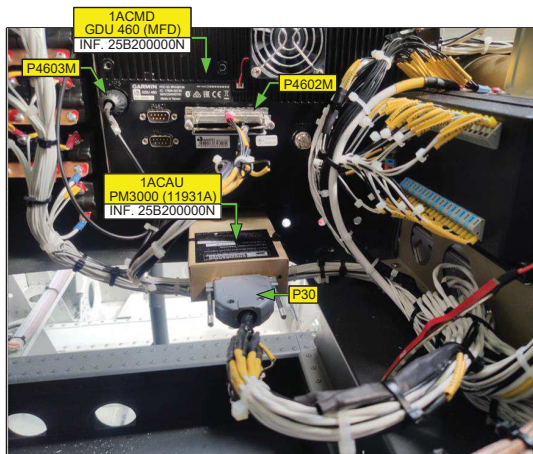
CHANGE VERSUS ISSUE E:
- ADDED NEW ITEM: POTENTIOMETER BED, POSITION 22 /SHEET 2.H5

ZMĚNA OPROTÍ REVIZÍ F:
- PŘÍDANA NOVÁ POLOŽKA: ZÁKLADNA PRO POTENCIOMETRY, POZICE 22 / LIST 2.H5

All CIRCUIT BREAKERS AND SWITCHES ARE PART OF 25B200000N INSTRUMENT PANEL ASSY
VŠECHNY POJISTKY, JISTIČE A PŘEPÍNAČE JSOU SOUČÁSTÍ SESTAVY PALUBNÍ DESKY 25B200000N

INTERCONNECTING COPPER PLATES USED FOR BONDING CIRCUIT BREAKER AND SWITCH HOUSINGS ARE MADE OF CW024A-R240 (CU-DHP) SH 0,55
ZEMNÍČÍ PĹŠKY PROPOJUJÍCÍ KOVOVÉ ČÁSTI POUZDER POJISTEK, JISTIČŮ A PŘEPÍNAČŮ JSOU VYROBĚNY Z MATERIÁLU CW024A-R240 (CU-DHP) SH 0,55

Material:						
Polotovary / Semi-product:						
Úprava povrchu / Finish:		F		17.01.2024	B. Hložek	
Hmotnost / Weight (kg):		E		09.12.2022	B. Hložek	
Měřítko / Scale:		D		18.05.2021	B. Hložek	
1:1	Délkové rozměry / Units: mm		C	02.11.2020	B. Hložek	
	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslil / Drawn by	29.09.2020	B. Hložek	
		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B200000N		Type: Index / Revision:
		II		BRISTELL B-23	F	
INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY				List / Sheet:	Format / Size:	
				1 / 9	A2	

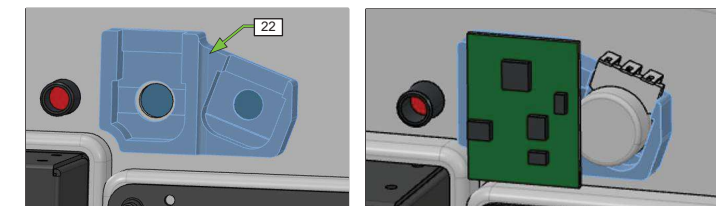


Potenciometer bed assembly:

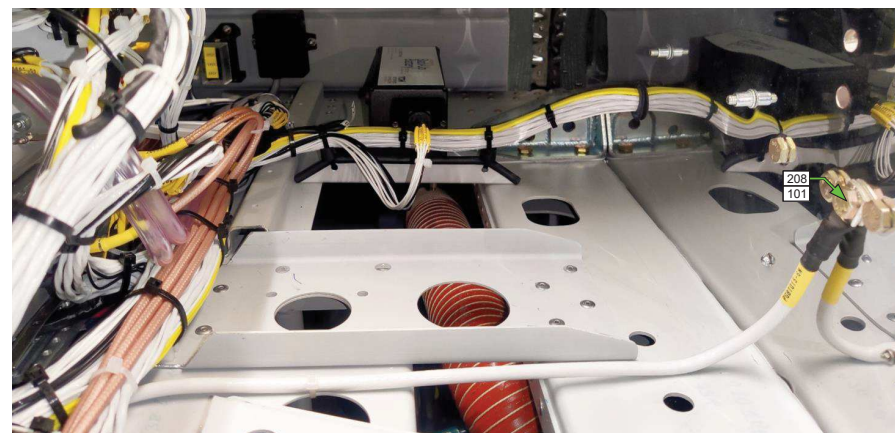
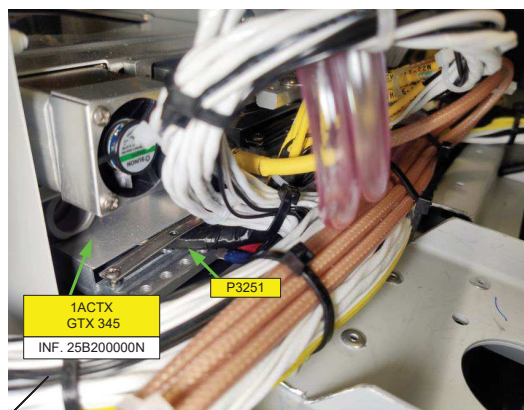
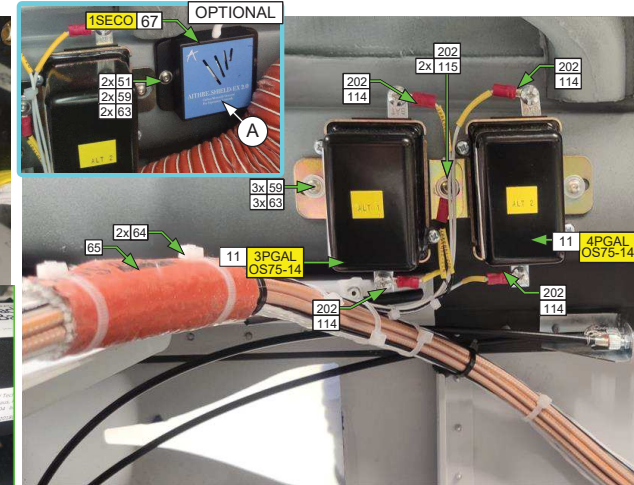
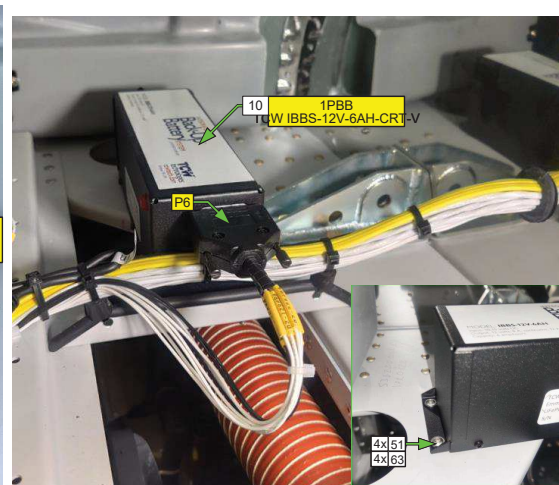
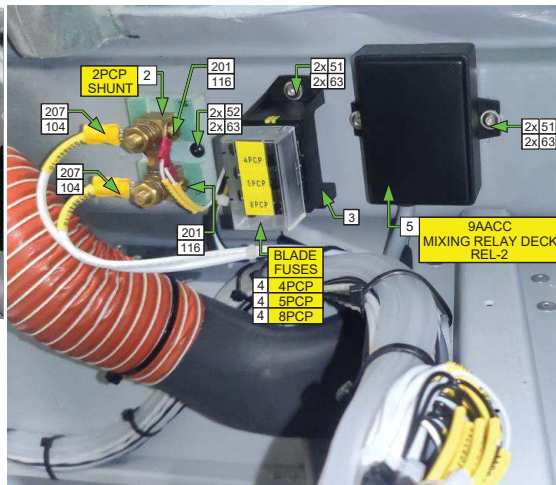
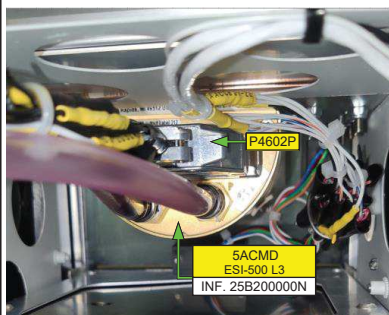
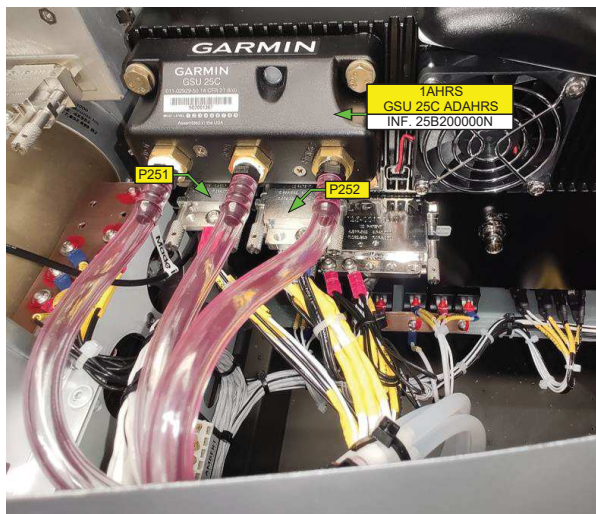
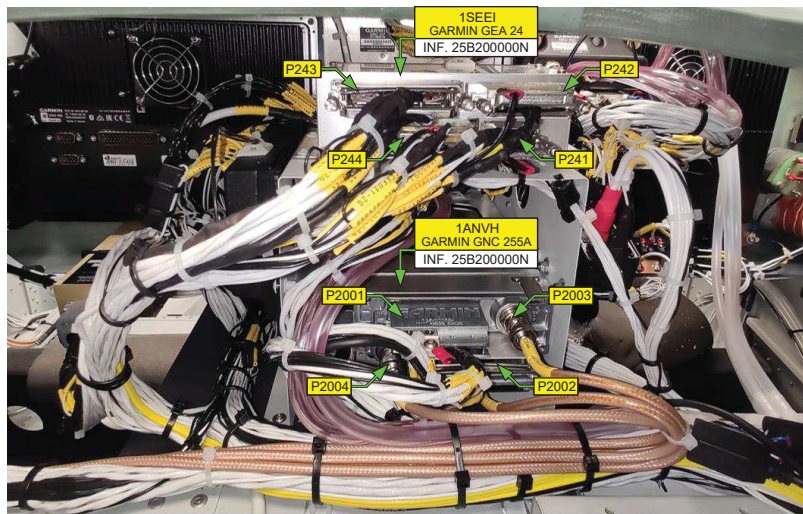
1. Sand down the area on the back of the instrument panel where the potentiometers bed gets attached to make the surface flat and clean it well afterwards.
2. Attach the bed to the instrument panel with polyurethane sealant Emfimastic PU 50 (pos.23) and let it hardened for at least 12 hours.
3. Insert the LED strip dimmer potentiometer and the multidimmer potentiometer into the bed cavities and mount them to the instrument panel.

Montáž základny pro potenciometry:

1. Osmírkuj povrch na zadní straně přístrojové desky v místě, kam přijde přilepit základna pro potenciometry do roviny a po té povrch dobře očisti.
2. Přilep základnu pro potenciometry k přístrojové desce pomocí polyureterového tmele Emfimastic PU 50 (poz.47) and nechej vytvrdnout po dobu alespoň 12 hodin.
3. Vlož potenciometr snímače LED pásku a potenciometr multidimmeru do příslušných dutin základny a po té potenciometry přišroubuj k přístrojové desce.

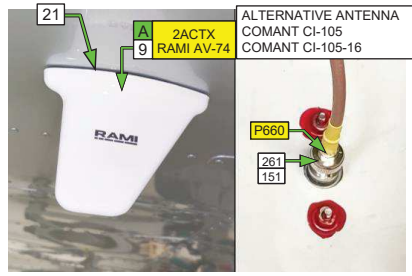


Material:						
Polotovary / Semi-product:						
Úprava povrchu / Finish:		F		23.11.2023	B. Hložek	
Hmotnost / Weight (kg):		E		09.12.2022	B. Hložek	
Měřítko / Scale:	Promítání / Projection:		D		18.05.2021	B. Hložek
	Délkové rozměry / Units: mm		C		02.11.2020	B. Hložek
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:			Kreslil / Drawn by	29.09.2020	B. Hložek
BRMAERO	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B200000N			Type: Index / Revision:
	II	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY			BRISTELL B-23 List / Sheet: Format / Size: 2 / 9 A2

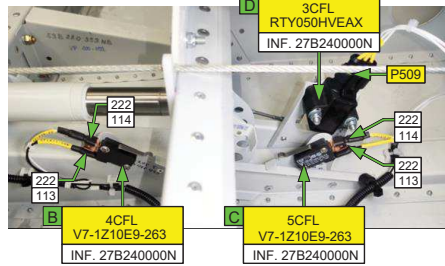


(A) THE CARBON MONOXIDE DETECTOR (CO SENSOR), POS. 67, IS OPTIONALLY INSTALLED BY DC-023 WITH ADXc-73-SB-007. INSTALL WIRING FOLLOWING 34B220025N.
 DETEKTOR OXIDU UHELNATÉHO (CO SENZOR), POZ. 67, JE VOLITELNÁ INSTALACE DLE DC-023 S ADXc-73-SB-007. ZAPOJENÍ DLE VÝKRESU 34B220025N.

Material:					
Položka / Semi-product:					
Úprava povrchu / Finish:		F		17.01.2024	B. Hložek
Hmotnost / Weight (kg):		E		09.12.2024	B. Hložek
Měřítko / Scale:		D		18.05.2021	B. Hložek
Délkové rozměry / Units: mm		C		02.11.2020	B. Hložek
Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslil / Drawn by	29.09.2020	B. Hložek
BRMAERO	Skupina sled. / Traceability class	Číslo výkresu / Drawing number		34B200000N	
	II	Název / Name:		INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY	
		Type:	BRISTELL B-23		Index / Revision:
		List / Sheet:	3 / 9		Format / Size:
				A2	

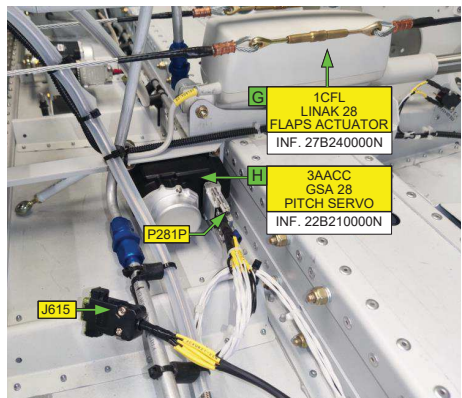
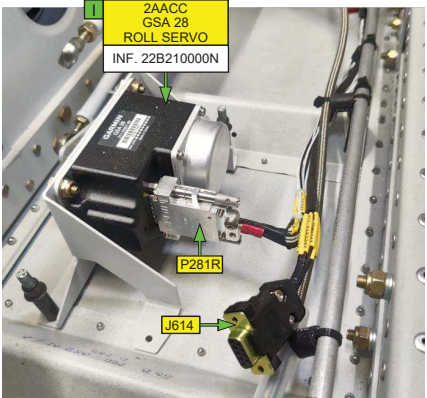
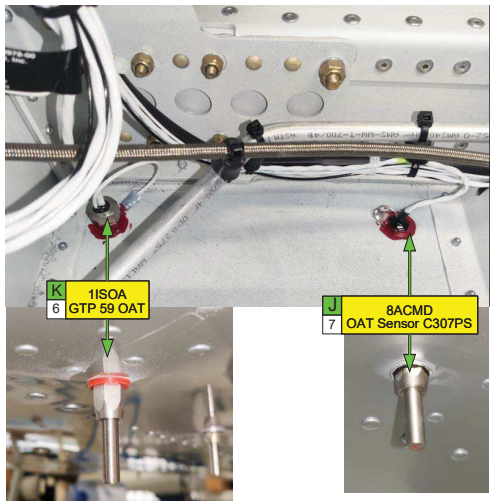
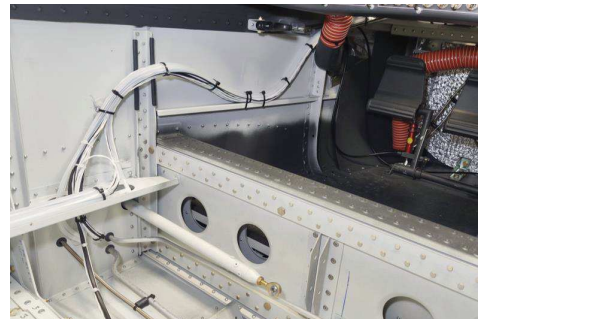
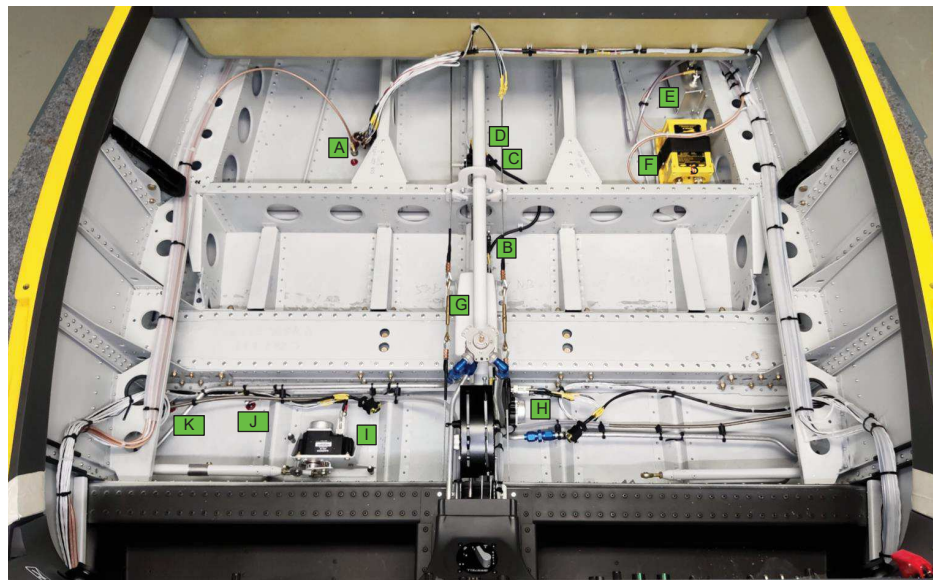
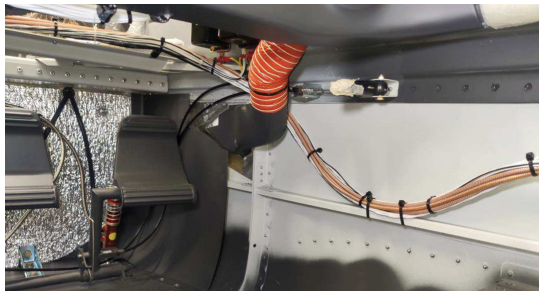
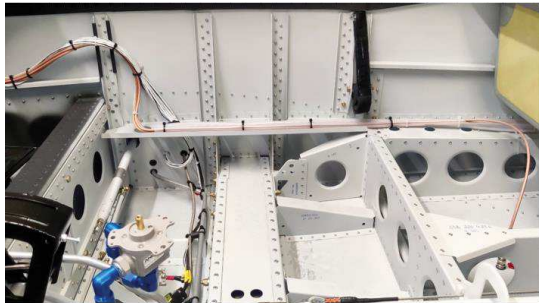
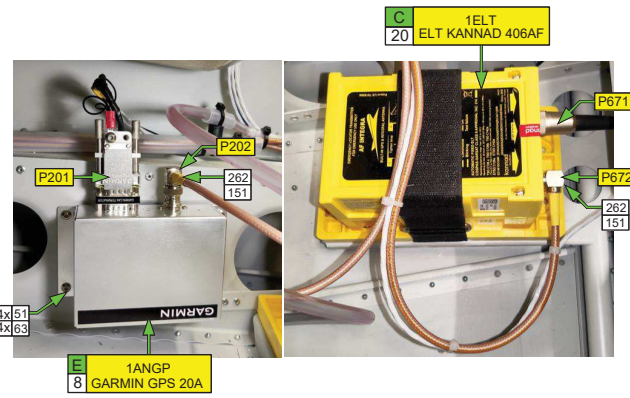
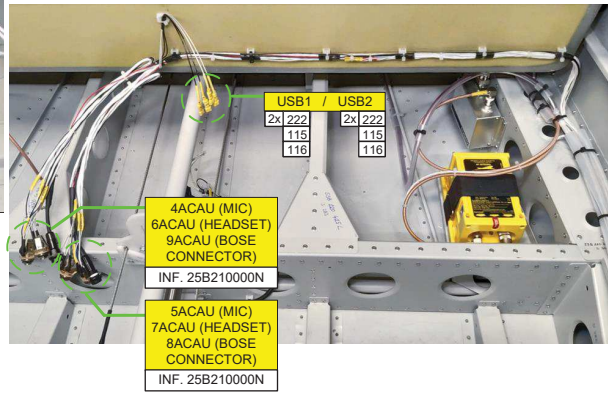


ALTERNATIVE ANTENNA
COMANT CI-105
COMANT CI-105-16



B
4CFL
V7-1Z10E9-263
INF. 27B240000N

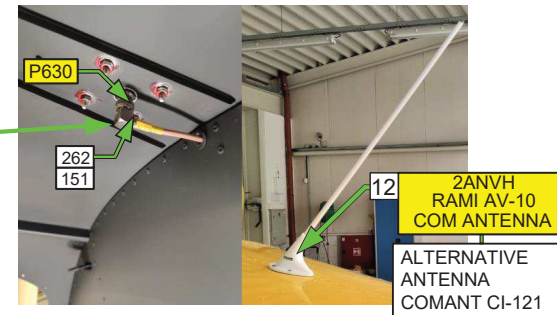
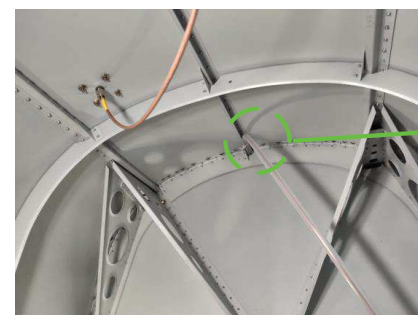
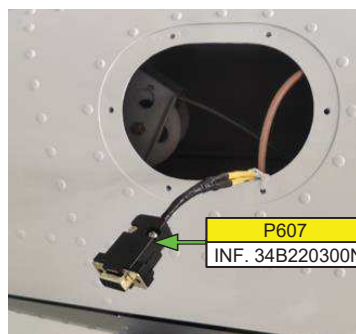
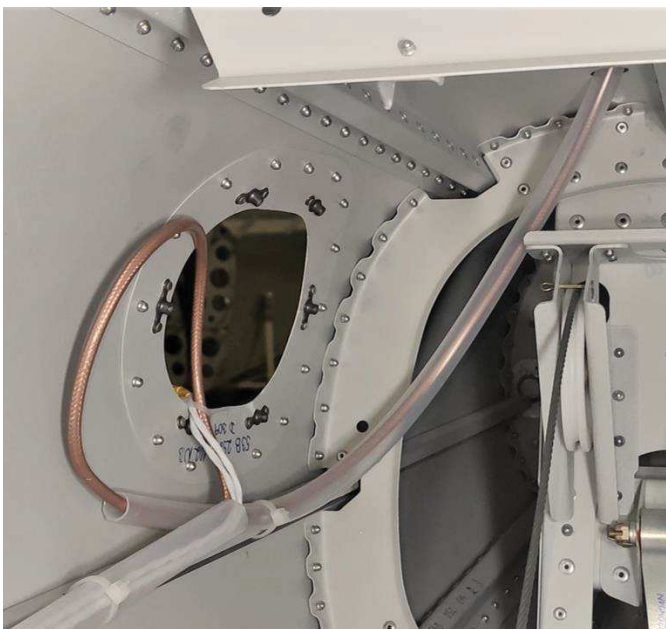
C
5CFL
V7-1Z10E9-263
INF. 27B240000N



Material:								
Položovar / Semi-product:								
Úprava povrchu / Finish:				F		17.01.2024	B. Hložek	
Hmotnost / Weight (kg):				E		09.12.2022	B. Hložek	
Měřítko / Scale:				D		18.08.2021	B. Hložek	
Délkové rozměry / Units: mm				C		02.11.2020	B. Hložek	
1:1 Přesnost / accuracy:				Index	Změna/Design change	Date	Podpis/Signature	
Tolerování / Toleration:						Kreslí / Drawn by	29.09.2020	B. Hložek
Skupina sled. / Traceability class		Číslo výkresu / Drawing number		34B200000N		Type: Index / Revision:		
II		Název / Name:		INSTALACE AVIONIKY SESTAVA		BRISTELL B-23		
				AVIONICS INSTALLATION ASSY		List / Sheet: Format / Size:		
						4 / 9 A2		

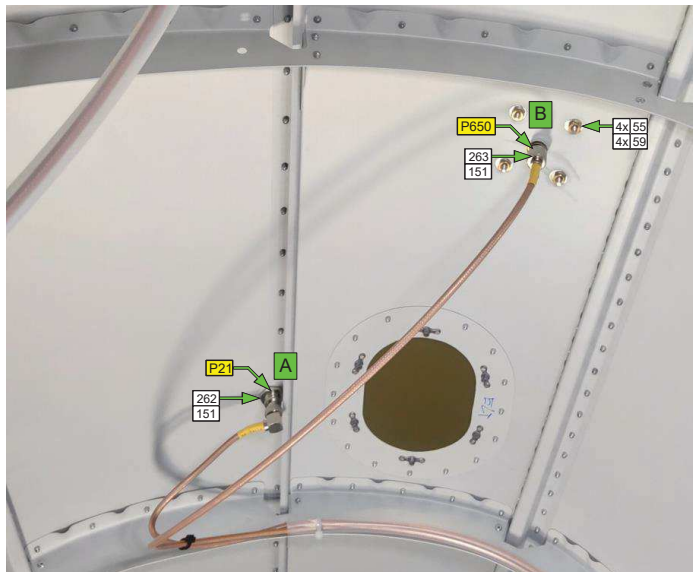
ELECTRICAL CABLE ROUTING IN THE RIGHT BACK PART OF FUSELAGE


VEDENÍ KABELÁŽE V PRAVÉ ZADNÍ ČÁSTI TRUPU

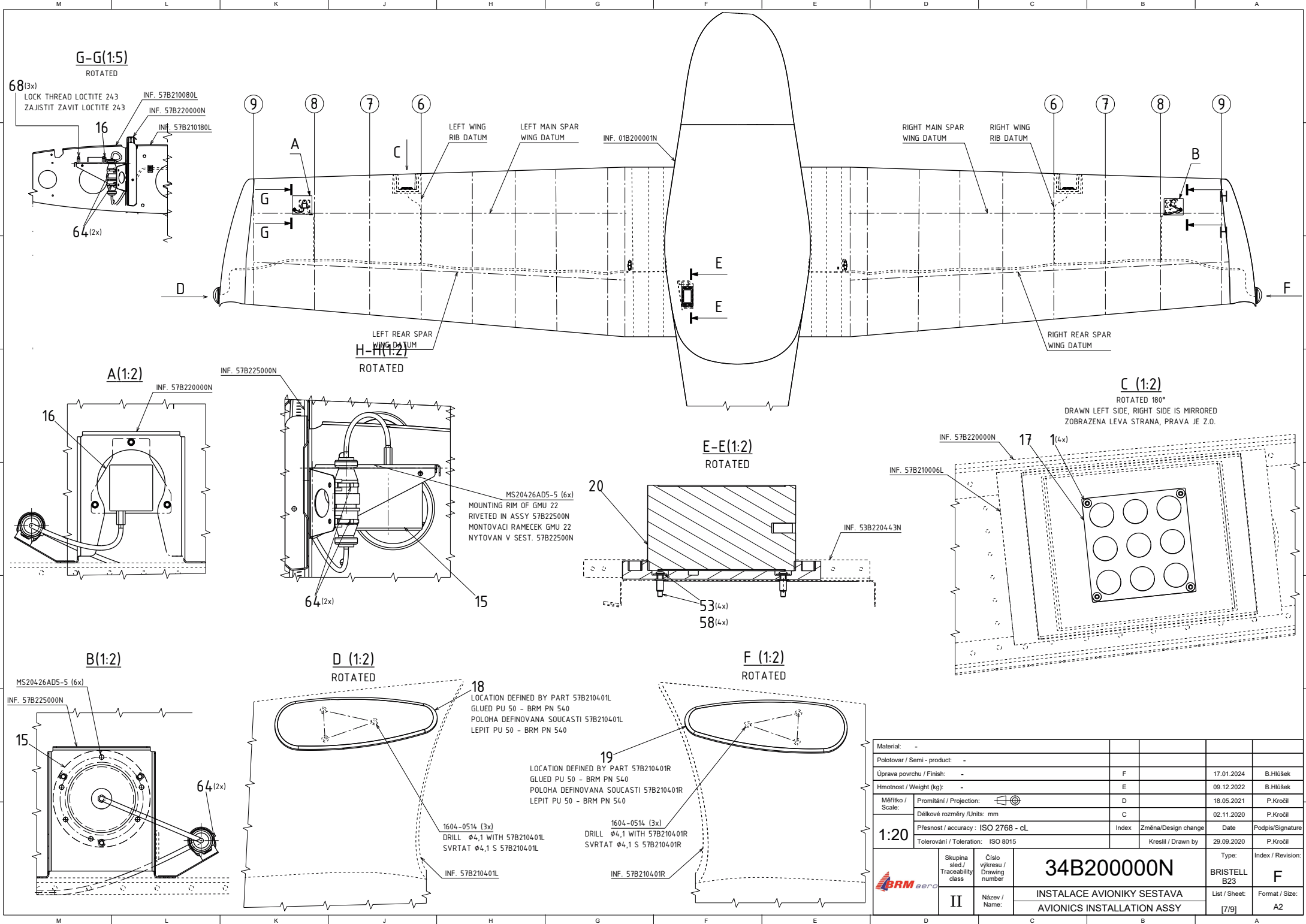


Material:							
Polotovár / Semi-product:							
Úprava povrchu / Finish:				F		17.01.2024	B. Hlúšek
Hmotnost / Weight (kg):				E		09.12.2022	B. Hlúšek
Měřítka / Scale:	Promítání / Projection:			D		18.05.2021	B. Hlúšek
	Délkové rozměry / Units: mm			C		02.11.2020	B. Hlúšek
1:1	Přesnost / accuracy:			Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:				Kreslil / Drawn by	29.09.2020	B. Hlúšek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B200000N		Type:	Index / Revision:	
	II	Název / Name:			BRISTELL B-23		F
INSTALACE AVIONIKY SESTAVA					List / Sheet:	Format / Size:	
AVIONICS INSTALLATION ASSY					5 / 9	A3	

ELECTRICAL CABLE ROUTING IN THE LEFT BACK PART OF FUSELAGE
VEDENÍ KABELÁŽE V LEVÉ ZADNÍ ČÁSTI TRUPU



Material:									
Polotovár / Semi-product:									
Úprava povrchu / Finish:					F		17.01.2024	B. Hložek	
Hmotnost / Weight (kg):					E		09.12.2022	B. Hložek	
Měřítko / Scale:	Promítání / Projection:		D			18.05.2021	B. Hložek		
	Délkové rozměry / Units: mm		C			02.11.2020	B. Hložek		
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature			
	Tolerování / Toleration:			Kreslí / Drawn by	29.09.2020	B. Hložek			
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B200000N			Type:	Index / Revision:		
	II	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY			BRISTELL B-23	F		
			List / Sheet:	Format / Size:	6 / 9	A2			



Material: -				
Polotovár / Semi-product: -				
Úprava povrchu / Finish: -		F	17.01.2024	B.Hlušek
Hmotnost / Weight (kg): -		E	09.12.2022	B.Hlušek
Měřítko / Scale: -		D	18.05.2021	P.Kročil
Měřítko / Scale: -		C	02.11.2020	P.Kročil
Délkové rozměry / Units: mm		Index	Změna/Design change	Date
Přesnost / accuracy: ISO 2768 - cL				Podpis/Signature
Tolerování / Tolerations: ISO 8015			Kreslil / Drawn by	P.Kročil
Skupina sled./ Traceability class: II		Číslo výkresu / Drawing number: 34B200000N		Type: BRISTELL B23
Název / Name: INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		List / Sheet: (7/9)		Index / Revision: F
				Format / Size: A2

WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION OF THE ITEMS SHOWN IN THE PICTURES IN 34B200000N
SEZNAM ELEKTRONICKÝCH ZAŘÍZENÍ ZOBRAZENÝCH NA VÝKRESE 34B200000N A K NIM PŘIDUŽENÝCH SCHÉMAT EL. ZAPOJENÍ

34B200000N_1		
Code	Item	Wiring Diagram
10PGAL	CB - ALT1	34B220000N /1.C6
1ACBO	CB - HEADSET BOSSE	34B220000N /2.E4
1CSAV	CB - AVIONICS	34B220000N /2.K4
1CSFP	CB - FUEL PUMP	34B220000N /2.K8
1CSNV	CB - NAV LIGHTS	34B220000N /2.K6
1CSPT	CB - PITOT HEAT	34B220000N /2.K5
1CSST	CB - STROBE LIGHTS	34B220000N /2.K6
1PGAD	CB - ADAHRS (GSU25)	34B220000N /3.J4
1PGAL	SWITCH - ALT1	34B220000N /1.G5
1PGDI	CB - DIMMER	34B220000N /3.J7
1PGFL	CB - FLAPS	34B220000N /3.J4
1PGGE	CB - EIS (GEA 24)	34B220000N /3.J7
1PGIC	CB - INTERCOM (PM3000)	34B220000N /2.G5
1PGLD	CB - LDG	34B220000N /1.C5
1PGMD	CB - GDU-1 (PFD)	34B220000N /1.C4
1PGPP	CB - GPS (GPS20)	34B220000N /2.G7
1PGRP	CB - AUTOPILOT SERVO (APS)	34B220000N /2.G6
1PGST	CB - START	34B220000N /1.C4
1PGTX	CB - XPDR	34B220000N /2.G5
1PGUH	CB - COMM	34B220000N /3.J5
1PGUS	CB - USB 1	34B220000N /3.J6
2PBB	CB - BACKUP BATTERY	34B220000N /1.C8
2PGAL	SWITCH - ALT2	34B220000N /1.G3
2PGRP	CB - TRIM	34B220000N /1.C5
2PGUS	CB - USB 2	34B220000N /2.G8
2PGVH	CB - NAV	34B220000N /3.J5
3PBB	SWITCH - BACKUP BATTERY	34B220000N /3.D5
3PCP	SWITCH - MASTER	34B220000N /1.E6
3PGBT	CB - BATTERY	34B220000N /1.C4
3PGMD	CB - GDU-2 (MFD)	34B220000N /2.G6
5LELD	SWITCH - WIG-WAG / LDG	34B220017N /1.K4
5PGAL	CB - ALT1 CTRL	34B220000N /1.C7
5PGST	SWITCH - IGNITION	34B220000N /1.G6
6ACMD	CB - EFIS - L3	34B220000N /2.K4
6PGAL	CB - BUS TIE	34B220000N /1.C6
7PGAL	CB - ALT2 CTRL	34B220000N /1.C3
8AACC	CB - AUTOPILOT (AP) (GMC 307)	34B220000N /2.G4
9PGAL	CB - ALT2	34B220000N /1.C3

34B200000N_2		
Code	Item	Wiring Diagram
1ACMD	GDU 460 (MFD)	34B220001N /1.F6 34B220002N /1.H5 34B220005N /1.J6 34B220006N /1.B6
1ACAU	INTERCOM PM3000	34B220006N /1.F6 34B220006N /2.C6
3LIIL	MULTIDIMMER	34B220016N /2.G7
6CFL	DIMBOX	34B220018N /1.E3
3ELT	REMOTE CONTROL PANEL RC200	34B220020N /1H5
1AACC	AUTOPILOT - GMC 307	34B220004N /1B7
2PGEP	IND LIGHT - EXTERNAL POWER	34B220016N /2.J4
7SPH	IND LIGHT - PITOT HEAT	34B220016N /2.J4
3LELD	IND LIGHT - LANDING LIGHTS	34B220016N /2.J3
5EPP	IND LIGHT - FUEL PUMP	34B220016N /2.J5
3SEFQ	IND LIGHT - MIN FUEL LH	34B220016N /2.J5
4SEFQ	IND LIGHT - MIN FUEL RH	34B220016N /2.J5
2LECW	IND LIGHT - MASTER CAUTION	34B220016N /2.J6
1LECW	IND LIGHT - MASTER WARNING	34B220016N /2.J6
1PCP	MAIN CONTACTOR	34B220000N /1.G8
1PGEP	EXTERNAL POWER RELAY	34B220000N /1.G2
5LELD	WIG-WAG	34B220017N /1.G4
2AAPT	PITCH TRIM INDICATOR - RP4	34B220010N /1.H4
2AART	ROLL TRIM INDICATOR - RP4	34B220010N /1.H6
3PGDI	SWITCH - DAY/NIGHT	34B220010N /1.G3

34B200000N_3		
Code	Item	Wiring Diagram
1ANVH	GNC255	34B220003N /1.K8 34B220002N /1H2 34B220005N /1M6 34B220009N /1H6 34B220011N /1G8 34B220011N /1M8 34B220015N /1H5
1SEEI	EIS - GEA 24	34B220001N /1.B6 34B220002N /1.H6 34B220003N /1.L3 34B220004N /1.B8 34B220005N /1.J4 34B220006N /1.H3 34B220013N /1.B4
2ACMD	GDU 460 (PFD)	34B220001N /1.H5 34B220002N /1.H3 34B220003N /1.L3 34B220004N /1.B8 34B220005N /1.J4 34B220006N /1.H3 34B220013N /1.B4
1AHRS	GSU 25C	34B220001N /1.H5 34B220002N /1.H3 34B220005N /1.M4 34B220013N /1.C5
2PCP	SHUNT (UMA 1CU4)	34B220000N /1.F8
4PCP	BLADE FUSE 1A	34B220000N /1.G7
5PCP	BLADE FUSE 1A	34B220000N /1.G7
8PCP	BLADE FUSE 1A	34B220000N /1.H7
9AACC	MIXING RELAY DECK - REL-2	34B220004N /2.J8
1PBB	BACKUP BATT - IBBS-12V-6AH	34B220000N /1.K7
3PGAL	OVERVOLT SENSOR - OS74-14	34B220000N /1.E5
4PGAL	OVERVOLT SENSOR - OS74-14	34B220000N /1.E3
5ACMD	ESI 500 L-3	34B220000N /1.H6
1ACTX	GTX 345 TRANSPONDER	34B220006N /1.H5 34B220013N /1.G6
1SECO	Carbon Monoxide Detector	34B220025N /1.C5

34B200000N_4		
Code	Item	Wiring Diagram
2ACTX	ANTENNA - RAMI AV-74	34B220013N /1.H6
3CFL	POS. SENSOR - RTY050HVEAX	34B220018N /1.C4
4CFL	LIMIT SW UP - V7-1Z10E9-263	34B220018N /1.D5
5CFL	LIMIT SW DOWN - V7-1Z10E9-263	34B220018N /1.D4
4ACAU	CO-PILOT MIC	34B220006N /2.F5
6ACAU	HEADSET CO-PILOT	34B220006N /2.F4
9ACAU	BOSE CONNECTOR CO-PILOT	34B220006N /2.F3
5ACAU	PILOT MIC	34B220006N /1.D4
7ACAU	HEADSET PILOT	34B220006N /1.D3
8ACAU	BOSE CONNECTOR PILOT	34B220006N /1.D3
1ANGP	GPS 20A ADS-B RECEIVER	34B220005N /1.E4 34B220012N /1.G5 34B220013N /1.C4
1ISOA	GTP 59 OAT PROBE	34B220001N /1.F2
8ACMD	C307PS OAT SENSOR	34B220008N /1.E3
2AACC	ROLL SERVO - GSA 28	34B220004N /1.M8 34B220004N /3.H3 34B220005N /1.G6
1CFL	ACTUATOR LINAK 28	34B220018N /1.B6
3AACC	PITCH SERVO - GSA 28	34B220004N /1.M4 34B220004N /3.H2 34B220005N /1.G4

34B200000N_5		
Code	Item	Wiring Diagram
2ANVH	RAMI AV-10 ANTENNA COM	34B220003N /1.M7

34B200000N_6		
Code	Item	Wiring Diagram
2ELT	RAMI AV-200	34B220020N /1.B5
1ANGP	GARMIN GA 35 GPS ANTENNA	34B220012N /1.G6

Material:							
Polotovar / Semi-product:							
Úprava povrchu / Finish:		F	17.01.2024	B. Hlůšek			
Hmotnost / Weight (kg):		E	09.12.2022	B. Hlůšek			
Měřítko / Scale:	Promítání / Projection:		D	18.05.2021	B. Hlůšek		
	Délkové rozměry / Units: mm		C	02.11.2020	B. Hlůšek		
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature	
	Tolerování / Toleration:			Kreslil / Drawn by	29.09.2020	B. Hlůšek	
		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B200000N		Type: BRISTELL B-23	Index / Revision: F
II		Název / Name:	INSTALACE AVIONIKY SESTAVA		List / Sheet: 8 / 9	Format / Size: A3	
			AVIONICS INSTALLATION ASSY				

M			L		K		J		H		G	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name							
1	8	34B200110N	B.1	SROUB M4x20 CERNY ZINEK	BOLT M4x20 BLACK ZINC							
2	1	909-D0000-00	A.1	GARMIN G3X AMPERMETR-BOCNİK	GARMIN AMPMETER AND SHUNT PROBE							
3	1	646715	A.1	DRZAK PRO POJISTKY	FUSE HOLDER							
4	3	NOZOVA POJISTKA 1A	A.1	NOZOVA AUTOPOJISTKA 1A	BLADE FUSE 1A							
5	1	CT RELAY DECK	A.1	RELE OVLADANI TRIMU	TRIM RELAY							
6	1	11-00978-00	A.1	CIDLO VENKOVINI TEPLoty GTP 59	TEMPERATURE SENSOR GTP 59							
7	1	11-04603	A.1	TEPLOTNI CIDLO C307PS	TEMPERATURE SENSOR C307PS							
8	1	10-01546-00	A.1	GPS 20A	GPS 20A							
9*	1	11-05846	A.1	AV-74	AV-74							
10	1	TCW IBBS-12V-6AH	A.1	INTEGROVANA BACK-UP BATERIE	BACK-UP BATTERY							
11	2	OS75-14	A.1	PREPETOVY SNIMAC	OVERVOLTAGE SENSOR							
12**	1	AV-10-11-12500	A.1	VHF ANTENA RAMI	RAMI VHF ANTENNA							
13	1	AV-200	A.1	ELT ANTENA RAMI	RAMI ELT ANTENNA							
14	1	013-00235-00	A.1	GPS ANTENA GARMIN GA 35	GARMIN GPS ANTENNA GA 35							
15	1	GMU 22	A.1	MAGNETOMETR (GARMIN)	MAGNETOMETER (GARMIN)							
16	1	MAG-500	A.1	MAGNETOMETR (L3 AVIATION PRODUCTS)	MAGNETOMETER (L3 AVIATION PRODUCTS)							
17	2	LED REFLEKTOR CTHV_V3	A.1	PRISTAVACI SVETLO	LANDING LIGHT							
18	1	0R6001R	A.1	SVETLO CERVENE (WHELEN)	WINGTIP RED LIGHTING (WHELEN)							
19	1	0R6001G	A.1	SVETLO ZELENE (WHELEN)	WINGTIP GREEN LIGHTING (WHELEN)							
20	1	ELT_KANNAD_406_AF	A.1	ELT	ELT							
21	1	34B200015N	A.1	TESNENI ANTENY	ANTTENA GASKET							
22	1	Z5B200060N	A.1	ZAKLADNA PRO POTENCIOMETRY	POTENCIOMETER BED							
23	1	PU 50	A.1	EMFIMASTIC	EMFIMASTIC							
51	36	M4x12 ISO7380-2 A2	A.1	SROUB	BOLT							
52	2	M4x16 ISO7380-1 A2	A.1	SROUB	BOLT							
53	4	M4x20 ISO7380-1 A2	A.1	SROUB	BOLT							
54	1	M6x16 ISO7380-1 A2	A.1	SROUB	BOLT							
55	4	NAS671-8	A.1	MATICE	NUT							
56	23	M4 DIN985 ZN	A.1	SAMOJISTNA MATICE	S. L. NUT							
57	1	M6 DIN985 ZN	A.1	SAMOJISTNA MATICE	S. L. NUT							
58	7	4_3 DIN9021 ZN	A.1	PODLOZKA	WASHER							
59	29	4_3 DIN125A ZN	A.1	PODLOZKA	WASHER							
60	1	6_4 DIN125A ZN	A.1	PODLOZKA	WASHER							
61	6	1604-0514	A.1	NYT TRNOVY 4,0x11,2	RIVET 4,0x11,2							
62	6	MS20426AD 5-5	A.1	NYT 5/32"x5/16"	SOLID RIVET 5/32"x5/16"							
63	19	9407-40300	A.1	M4 NYTOVACI MATICE, PLOCHA HLAVA	M4 RIVET NUT, FLAT HEAD, ST							
64	8	127870000	A.1	STAHOVACI PASKA CB 140/3,6 BLACK (WEIDMULLER)	CABLE TIE CB 140/3,6 BLACK (WEIDMULLER)							
65	0,11 m	2650-14	A.1	OCHRANNY NAVLEK 0,88" x 0,125"	STRATOFLEX FIRESLEEVE 0,88" x 0,125"							
66	1	243	A.1	LOCTITE	LOCTITE							
67	1	ASCOX2002	A.1	DETEKTOR OXIDU UHELNATEHO	CARBON MONOXIDE DETECTOR							
68	3	M4x16 CU2 DIN 933	A.1	SROUB	BOLT							
69	4	M4x16 DIN7991 A2	A.1	SROUB	BOLT							

M			L		K		J		H		G		F		E		D		C		B		A	
Poz./ Item No.	Mn./Q.	PN	NÁZEV	NAME																				
201		RF-M4	GP OKO PVC LIS. 0,5-1,5 RF-M4	GP RING PVC PRESS. 0,5-1,5 RF-M4																				
202		RF-M5	GP OKO PVC LIS. 0,5-1,5 RF-M5	GP RING PVC PRESS. 0,5-1,5 RF-M5																				
203		RF-M6	GP OKO PVC LIS. 0,5-1,5 RF-M6	GP RING PVC PRESS. 0,5-1,5 RF-M6																				
204		BF-M4	GP OKO PVC LIS. 1,5-2,5 BF-M4	GP RING PVC PRESS. 1,5-2,5 BF-M4																				
205		BF-M6	GP OKO PVC LIS. 1,5-2,5 BF-M6	GP RING PVC PRESS. 1,5-2,5 BF-M6																				
206		GF-M4	GP OKO PVC LIS. 10-12 GF-M4	GP RING PVC PRESS. 10-12 GF-M4																				
207		GF-M6	GP OKO PVC LIS. 10-12 GF-M6	GP RING PVC PRESS. 10-12 GF-M6																				
208		CU 16-6 KU-L	GP OKO KABEL.TR. CU 16-6 KU-L	GP RING CABLE TR. CU 16-6 KU-L																				
209		CU 16-8 KU-L	GP OKO KABEL.TR. CU 16-8 KU-L	GP RING CABLE TR. CU 16-8 KU-L																				
210			GP OKO KABEL TR. CU 10-4 KU-SP	GP RING CABLE TR. CU 10-4 KU-SP																				
211			GP OKO KABEL TR. CU 10-6 KU-SP	GP RING CABLE TR. CU 10-6 KU-SP																				
221		RF-F408	GP KONEKT. PVC LIS.PLO.RF-F 408	GP CONECT. PVC PRESS.PLO.RF-F 408																				
222		RF-F608	GP KONEKT. PVC LIS.PLO.RF-F 608	GP CONECT. PVC PRESS.PLO.RF-F 608																				
223		RF-F608P	GP KONEKT. PVC LIS.PLO.RF-F 608P	GP CONECT. PVC PRESS.PLO.RF-F 608P																				
224		BF-F608	GP KONEKT. PVC LIS.PLO.BF-F 608	GP CONECT. PVC PRESS.PLO.BF-F 608																				
225		GF-F608	GP KONEKT. PVC LIS.PLO.GF-F 608	GP CONECT. PVC PRESS.PLO.GF-F 608																				
226		1226299	FASTON ZASTRCKA 6,3x0,8	2 MALES 6,3X0,8 CONNECTOR																				
231		DI 1.0-8	DUTINKA LISOVACI S IZOLACI	FERRULE-AL 0,25-6-YE																				
241		650-S0101R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING																				
242		650-S0102R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING																				
243		650-S0103R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING																				
261		BNC-VK 50C-RG58	KONEKTOR BNC-VK50-R658	BNC STRAIGHT PLUG CRIMP RG58																				
262		BNC-C 50 V90	KONEKTOR BNC 5MM KRIMPOVACI V90 RG58	BNC RIGHT ANGLE PLUG CRIMP RG58																				
263		TNC-VKC-RG58	KONEKTOR TNC-VKC-RG58	TNC PLUG CRIMP RG58																				

CHANGE VERSUS ISSUE E:
POS. 22: ADDED POTENCIOMETER BED
POS. 23: ADDED EMFIMASTIC PU 50

ZMENY VUCI REVIZI E:
POS. 9: PRIDANA ZAKLADNA PRO POTENCIOMETRY
POS. 12: PRIDAN EMFIMASTIC PU 50



Poz./Item No.	Mn./Q.[m]	PN Kabel/Cable	PN Vodi/Wire	NÁZEV	NAME
101	-	-	M22759/16 6-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
102	-	-	M22759/16 8-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
103	-	-	M22759/16 10-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
104	-	-	M22759/16 10-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
105	-	-	M22759/16 12-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
106	-	-	M22759/16 12-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
107	-	-	M22759/16 14-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
108	-	-	M22759/16 14-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
109	-	-	M22759/16 16-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
110	-	-	M22759/16 16-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
111	-	-	M22759/16 18-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
112	-	-	M22759/16 18-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
113	-	-	M22759/16 20-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
114	-	-	M22759/16 20-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
115	-	-	M22759/16 22-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
116	-	-	M22759/16 22-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
151		M17/128-RG400		KABEL KOAXIAL	COAXIAL CABLE
152		42525		KABEL K CIDLU ALCO EGT	EGT TYPE K EXTENSION LEAD, 90°
153		M27500-18SB1123		KABEL S IZOLACI	SHIELDED CONDUCTOR WITH XLETFE INS.
154		M27500-20 TG 2T14		KABEL S IZOLACI ETFE, NEMA/MS	MULTICONDUCTOR SHIELDED, JACKETED
155		M27500-20 TG 3T14		KABEL S IZOLACI ETFE	MULTICONDUCTOR SHIELDED, JACKETED
156		M27500-22 TG 2T14		KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED
157		M27500-22 TG 3T14		KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED

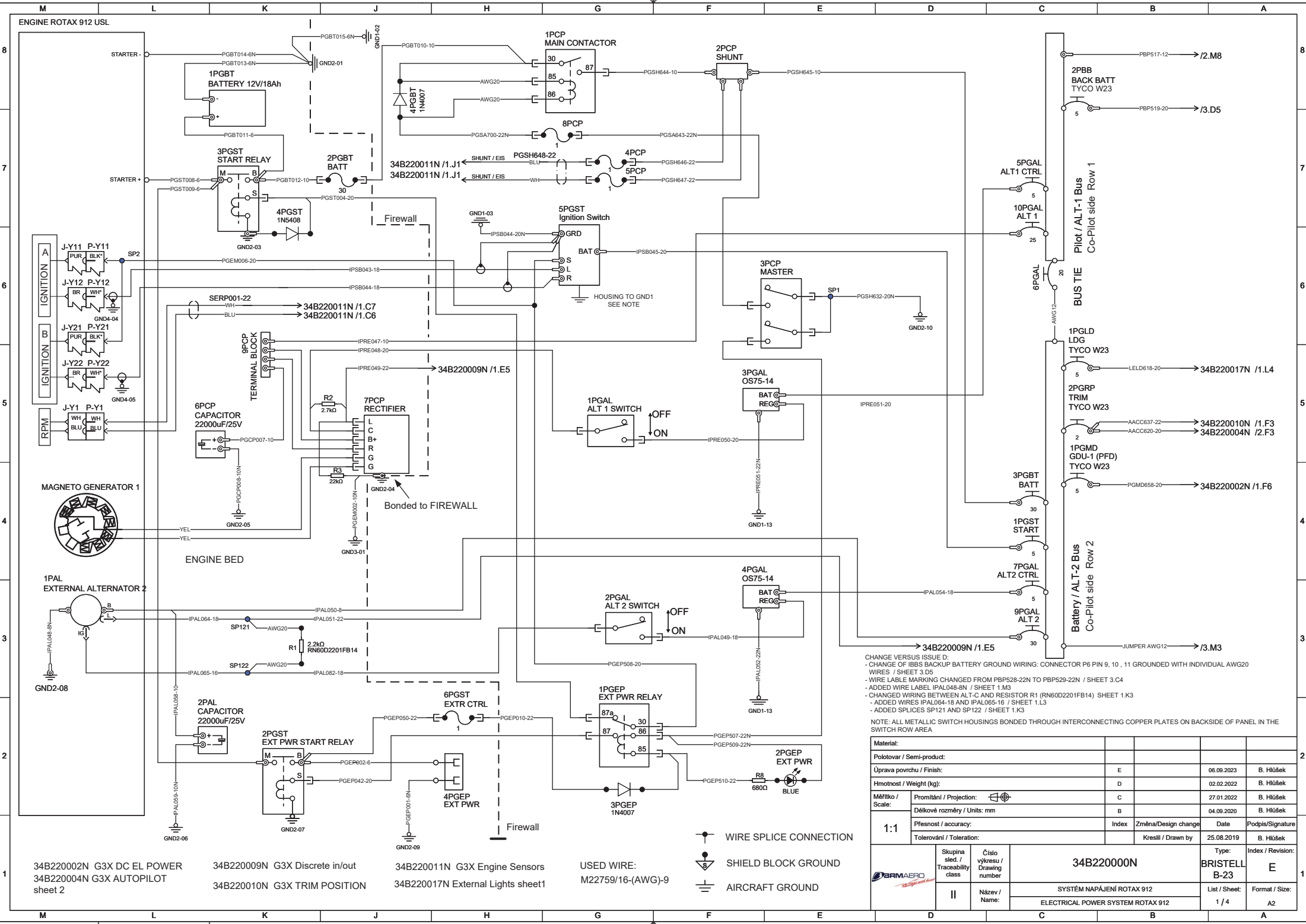
* ALTERNATIVE ANTENNA COMANT CI-105-16:
USE ANTENNA GASKET 34B200015N
AND 2X S. L. NUTS AN364-832A

** ALTERNATIVE ANTENNA CI-121: USE ATTACHMENT HARDWARE
DELIVERED WITH THE ANTENNA
IF NO HARDWARE MATERIAL IS SUPPLIED WITH THE ANTENNA USE:
4x BOLT - M4x16 DIN 7991 A2
4x WASHER - 4.3 DIN 125A ZN
4x LOCKNUT - M4 DIN 985 ZN

* ALTERNATIVNI ANTENA COMAT CI-105-16:
POUZIJ TESNENI ANTENY 34B200015N
A 2X SAMOJISTNE MATICE AN364-832A

** ALTERNATIVNI ANTENA CI-121: POUZIJ SPOJOVACI
MATERIAL, KTERY JE SOUCASTI BALENI ANTENY
POKUD SE TENTO MATERIAL V BALENI NENACHAZI POUZIJ:
4x BOLT - M4x16 DIN 7991 A2
4x WASHER - 4.3 DIN 125A ZN
4x LOCKNUT - M4 DIN 985 ZN

Material: -					
Polotovary / Semi - product: -	F		17.01.2023	B. Hlůšek	
Úprava povrchu / Finish: -	E		9.12.2022	B. Hlůšek	
Hmotnost / Weight (kg): -	D		18.05.2021	B. Hlůšek	
Měřítko / Scale:	Promítání / Projection: 	C	02.11.2020	B. Hlůšek	
1:20	Délkové rozměry /Units: mm	B	29.09.2020	B. Hlůšek	
	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration: ISO 8015			Kreslí / Drawn by	29.09.2020	B. Hlůšek
	Skupina sled / Traceability class	Číslo výkresu / Drawing number	34B200000N		Type: Index / Revision:
	II	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		BRISTELL B23 F
				List / Sheet: [9/9]	Format / Size: A2

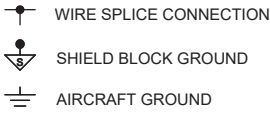


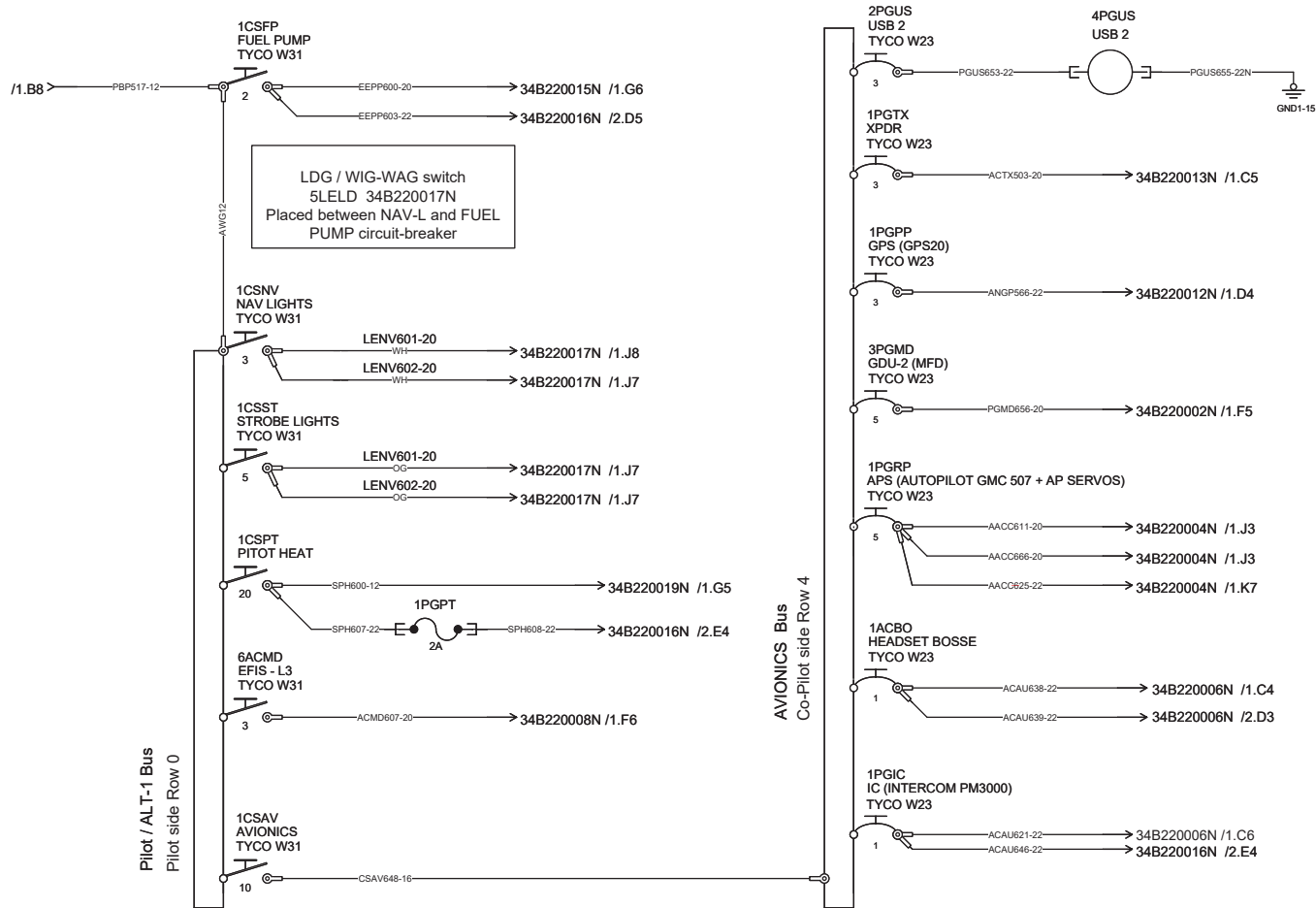
CHANGE VERSUS ISSUE D:
 - CHANGE OF IBBS BACKUP BATTERY GROUND WIRING: CONNECTOR P6 PIN 9, 10, 11 GROUNDED WITH INDIVIDUAL AWG20 WIRES / SHEET 3.D5
 - WIRE LABEL MARKING CHANGED FROM PBP528-22N TO PBP529-22N / SHEET 3.C4
 - ADDED WIRE LABEL IPAL048-8N / SHEET 1.M3
 - CHANGED WIRING BETWEEN ALT-C AND RESISTOR R1 (RN60D2201F814) SHEET 1.K3
 - ADDED WIRES IPAL064-18 AND IPAL065-16 / SHEET 1.L3
 - ADDED SPLICES SP121 AND SP122 / SHEET 1.K3

NOTE: ALL METALLIC SWITCH HOUSINGS BONDED THROUGH INTERCONNECTING COPPER PLATES ON BACKSIDE OF PANEL IN THE SWITCH ROW AREA

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:		E		06.09.2023	B. Hložek
Hmotnost / Weight (kg):		D		02.02.2022	B. Hložek
Měřítko / Scale:		C		27.01.2022	B. Hložek
Délkové rozměry / Units: mm		B		04.09.2020	B. Hložek
Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslí / Drawn by	25.08.2019	B. Hložek
1:1	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B220000N		
BRMAERO			BRISTELL B-23		
II			SYSTÉM NAPÁJENÍ ROTAX 912		List / Sheet:
			ELECTRICAL POWER SYSTEM ROTAX 912		Format / Size:
					1 / 4
					A2

- 34B220002N G3X DC EL POWER
- 34B220004N G3X AUTOPILOT sheet 2
- 34B220009N G3X Discrete in/out
- 34B220010N G3X TRIM POSITION
- 34B220011N G3X Engine Sensors
- 34B220017N External Lights sheet1
- USED WIRE: M22759/16-(AWG)-9



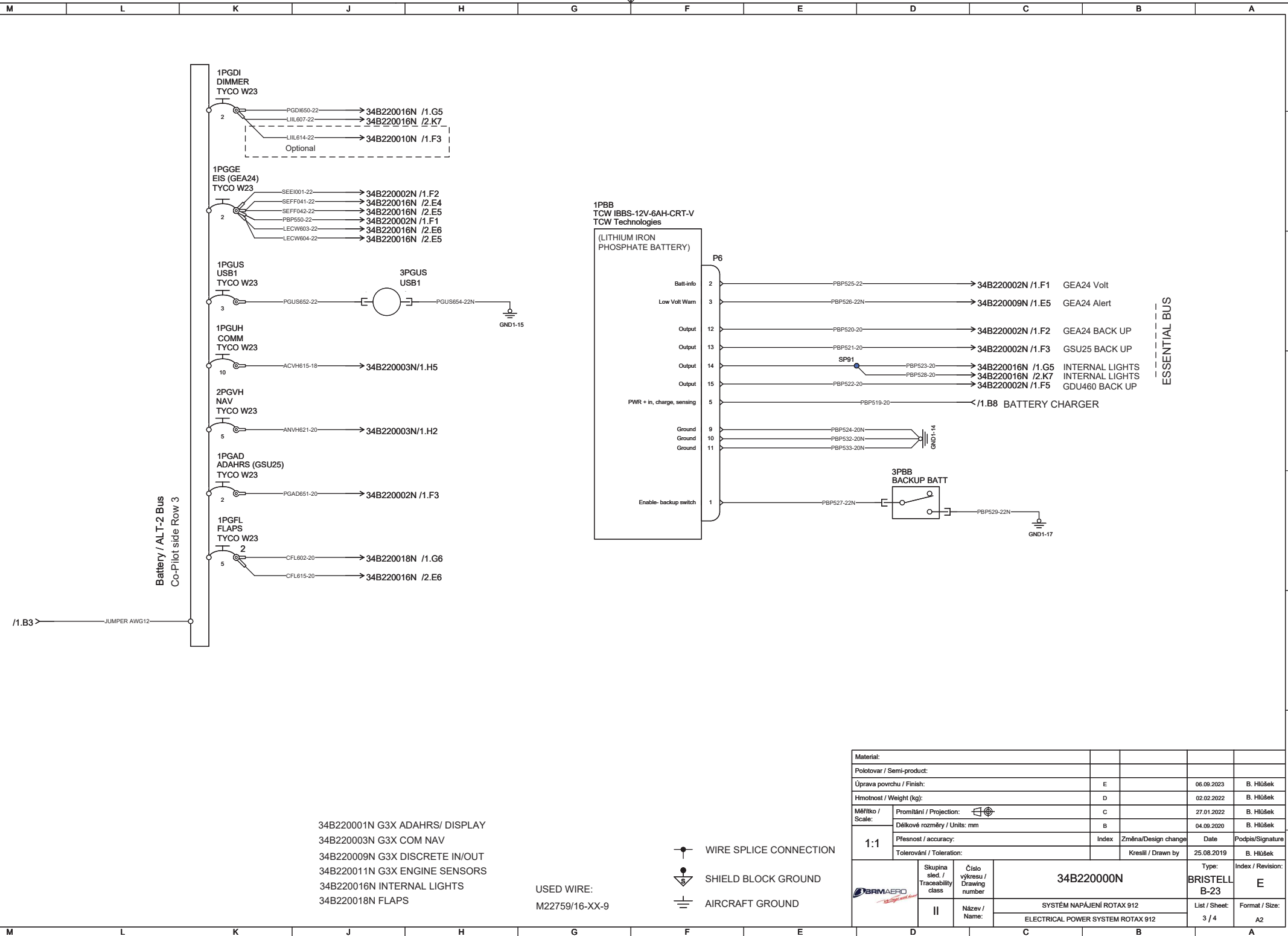


- | | |
|--------------------------------|-------------------------------|
| 34B220000N EI. POWER | 34B220013N TRANSPONDER GTX345 |
| 34B220002N G3X DC EI. POWER | 34B220015N FUEL |
| 34B220004N G3X AUTOPILOT | 34B220016N INTERNAL LIGHTS |
| 34B220006N G3X INTERCOM | 34B220017N EXTERNAL LIGHTS |
| 34B220008N STANDBY INSTRUMENTS | 34B220019N PITOT HEAT |
| 34B220012N G3X GPS | |

USED WIRE:
M22759/16-XX-9

Note: all metallic switch housings bonded through interconnecting copper plates on backside of panel in the switch row area
 Poznámka: všechna kovová pouzdra jističů, pojistek a spínačů jsou společně propojena pomocí měděných plíšků za přístrojovou deskou

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:		E		06.09.2023	B. Hlůšek
Hmotnost / Weight (kg):		D		02.02.2022	B. Hlůšek
Měřítko / Scale:	Proměřování / Projection:	C		27.01.2022	B. Hlůšek
	Délkové rozměry / Units: mm	B		04.09.2020	B. Hlůšek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslí / Drawn by	25.08.2019	B. Hlůšek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B220000N		Type: Index / Revision:
	II	Název / Name:	SYSTÉM NAPÁJENÍ ROTAX 912 ELECTRICAL POWER SYSTEM ROTAX 912		BRISTELL B-23 E
				List / Sheet:	Format / Size:
				2 / 4	A2



- 34B220001N G3X ADAHRS/ DISPLAY
- 34B220003N G3X COM NAV
- 34B220009N G3X DISCRETE IN/OUT
- 34B220011N G3X ENGINE SENSORS
- 34B220016N INTERNAL LIGHTS
- 34B220018N FLAPS


USED WIRE:
M22759/16-XX-9

- WIRE SPLICE CONNECTION
- SHIELD BLOCK GROUND
- AIRCRAFT GROUND

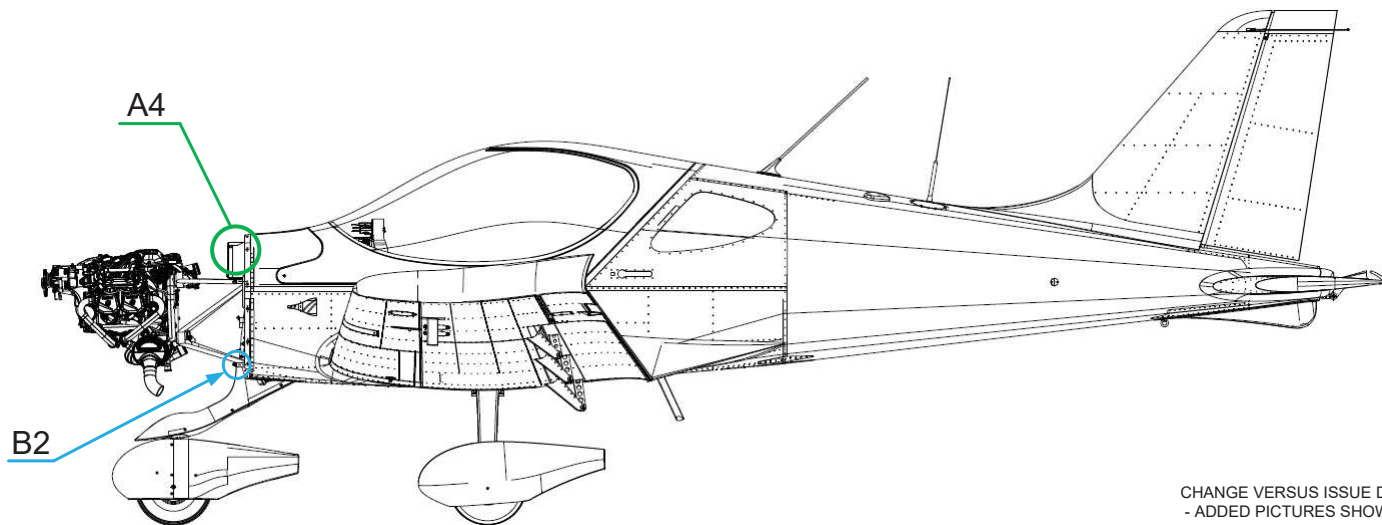
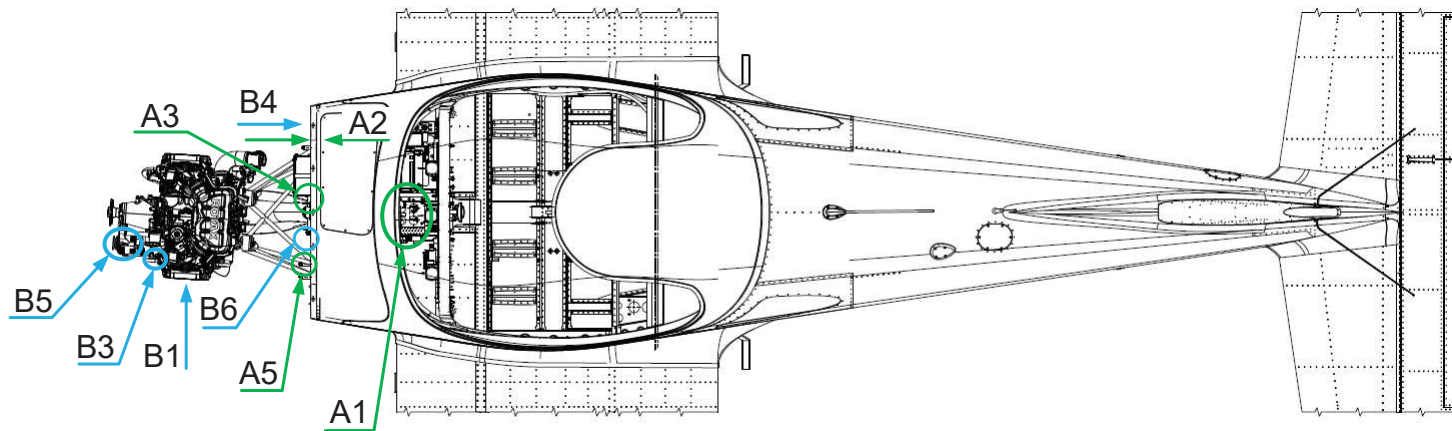
Material:									
Polotovár / Semi-product:									
Úprava povrchu / Finish:					E		06.09.2023	B. Hložek	
Hmotnost / Weight (kg):					D		02.02.2022	B. Hložek	
Měřítko / Scale:		Promítání / Projection:			C		27.01.2022	B. Hložek	
1:1		Délkové rozměry / Units: mm		B		04.09.2020	B. Hložek		
		Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature		
		Tolerování / Toleration:			Kreslí / Drawn by	25.08.2019	B. Hložek		
		Skupina sled. / Traceability class		Číslo výkresu / Drawing number		34B220000N		Type: BRISTELL B-23	Index / Revision: E
		II		Název / Name:		SYSTÉM NAPÁJENÍ ROTAX 912		List / Sheet: 3 / 4	Format / Size: A2
						ELECTRICAL POWER SYSTEM ROTAX 912			


Used material:


WIRES		WIRES		WIRES		COMPONENTS		COMPONENTS	
Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N
AACC611-20	M22759/16 20-9	PBP525-22	M22759/16 22-9	PBP550-22	M22759/16 22-9	10PGAL	11-04118	2PGUS	11-03928
AACC620-20	M22759/16 20-9	PBP526-22N	M22759/16 22-0			1ACBO	11-03923	2PGVH	11-03929
AACC625-22	M22759/16 22-9	PBP527-22N	M22759/16 22-0	CABLES		1CSAV	11-03931	2PGEP	LED 5mm BLUE
AACC637-22	M22759/16 22-9	PBP532-20N	M22759/16 20-9	Designation	Manufacturer P/N	1CSFP	11-03893	3PBB	EAN 8595563713518
AACC666-20	M22759/16 20-9	PBP533-20N	M22759/16 20-9	LENV601-20	M27500-20 TG 3T14	1CSNV	11-04268	3PCP	EAN 8595563713488
ACAU621-22	M22759/16 22-9	PBP528-20	M22759/16 20-9	LENV602-20	M27500-20 TG 3T14	1CSPT	11-03933	3PGAL	LAMAR OS75-14
ACAU638-22	M22759/16 22-9	PBP529-22N	M22759/16 22-0	M27500-18SB1T23	M27500-18SB1T23	1CSST	11-03936	3PGBT	11-04119
ACAU639-22	M22759/16 22-9	PGAD651-20	M22759/16 20-9	M27500-18SB1T23	M27500-18SB1T23	1PAL	ROTAX P/N: 887251	3PGEP	1N4007
ACAU646-22	M22759/16 22-9	PGBT010-10	M22759/16 10-9	PGSH648-22	M27500-22 TG 2T14	1PBB	IBBS-12V-6AH	3PGMD	11-03929
ACMD607-20	M22759/16 20-9	PGBT011-6	M22759/16 6-9	SERP001-22	M27500-22 TG 2T14	1PCP	STU 46002	3PGST	ROTAX P/N: 992818
ACTX503-20	M22759/16 20-9	PGBT012-10	M22759/16 10-9			1PGAD	11-03926	3PGUS	STU 34551
ACVH615-18	M22759/16 18-9	PGBT013-6N	M22759/16 6-9	SPLICES		1PGAL	EAN 8595563713518	4PCP	EAN 8595128241739
ANGP566-22	M22759/16 22-9	PGBT014-6N	M22759/16 6-9	Designation	Manufacturer P/N	1PGBT	RB0092M60230	4PGAL	LAMAR OS75-14
ANVH621-20	M22759/16 20-9	PGBT015-6N	M22759/16 6-9	SP1	S01-02-R	1PGDI	11-03926	4PGBT	1N4007
AWG20	M22759/16 20-9	PGCP007-10	M22759/16 20-9	SP2	S01-02-R	1PGEP	STU 46002 Relay	4PGST	1N5408
CFL602-20	M22759/16 20-9	PGCP008-10N	M22759/16 20-0	SP91	S01-02-R	1PGFL	11-03929	4PGUS	STU 34551
CFL615-20	M22759/16 20-9	PGDI650-22	M22759/16 22-9	SP121	D-436-37	1PGGE	11-03926	5PCP	EAN 8595128241739
CSAV648-16	M22759/16 16-9	PGEM002-10N	M22759/16 10-0	SP122	D-436-38	1PGIC	11-03923	5PGAL	11-03929
EEPP600-20	M22759/16 20-9	PGEM006-20	M22759/16 20-9			1PGLD	11-03929	5PGST	11-03172
EEPP604-22	M22759/16 22-9	PGEP001-6N	M22759/16 6-0	CONNECTORS		1PGMD	11-03929	6ACMD	11-04268
IPAL048-8N	M22759/16 8-0	PGEP002-6	M22759/16 6-9	Designation	Manufacturer P/N	1PGPP	11-03928	6PCP	22000uf 25V Kemet
IPAL049-18	M22759/16 18-9	PGEP010-22	M22759/16 22-9	4PGEP	992G2-BK	1PGPT	UNIVAL 2A	6PGAL	11-03927
IPAL050-8	M22759/16 8-9	PGEP042-20	M22759/16 20-9	P6	IBBS-Dsub-Conn	1PGRP	11-03929	6PGST	EAN 8595128241739
IPAL051-22	M22759/16 22-9	PGEP050-22	M22759/16 22-9	P6	IBBS-Dsub-Conn	1PGST	11-03929	7PCP	ROTAX PN: 965349
IPAL052-22N	M22759/16 22-0	PGEP507-22N	M22759/16 22-9			1PGTX	11-03928	7PGAL	11-03929
IPAL054-18	M22759/16 18-9	PGEP508-20	M22759/16 20-9			1PGUH	11-03924	8PCP	EAN 8595128241739
IPAL058-10	M22759/16 20-9	PGEP509-22N	M22759/16 22-0			1PGUS	11-03928	9PCP	MS27212-1-4
IPAL059-10N	M22759/16 20-0	PGEP510-22	M22759/16 22-9			2PAL	22000uf 25V Kemet	9PGAL	11-04119
IPAL064-18	M22759/16 18-9	PGMD656-20	M22759/16 20-9			2PBB	11-03929	R1	RN60D2201FB14
IPAL065-16	M22759/16 16-9	PGMD658-20	M22759/16 20-9			2PCP	UMA 1CU4	R2	2.7KOhm
IPAL082-18	M22759/16 18-9	PGSA643-22	M22759/16 22-9			2PGAL	EAN 8595563713518	R3	22kOhm
IPRE047-10	M22759/16 10-9	PGSA700-22	M22759/16 22-9			2PGBT	EAN 8595128241722	R8	680Ohm
IPRE048-20	M22759/16 20-9	PGSH632-20N	M22759/16 20-0			2PGRP	11-03926		
IPRE049-22	M22759/16 22-9	PGSH644-10	M22759/16 10-9			2PGST	ROTAX P/N: 992818		
IPRE050-20	M22759/16 20-9	PGSH645-10	M22759/16 10-9						
IPRE051-20	M22759/16 20-9	PGSH646-22	M22759/16 22-9						
IPRE051-22N	M22759/16 22-0	PGSH647-22	M22759/16 22-9						
IPSB044-20N	M22759/16 20-0	PGST004-20	M22759/16 20-9						
IPSB045-20	M22759/16 20-9	PGST008-6	M22759/16 6-9						
LECW603-22	M22759/16 22-9	PGST009-6	M22759/16 6-9						
LECW604-22	M22759/16 22-9	PGUS652-22	M22759/16 22-9						
LELD618-20	M22759/16 20-9	PGUS653-22	M22759/16 22-9						
LIIL607-22	M22759/16 22-9	PGUS654-22N	M22759/16 22-0						
LIIL614-22	M22759/16 22-9	PGUS655-22N	M22759/16 22-0						
PBP517-12	M22759/16 12-9	PPBP528-22N	M22759/16 22-0						
PBP519-20	M22759/16 20-9	SEEI001-22	M22759/16 22-9						
PBP520-20	M22759/16 20-9	SEFF041-22	M22759/16 22-9						
PBP521-20	M22759/16 20-9	SEFF042-22	M22759/16 22-9						
PBP522-20	M22759/16 20-9	SPH600-12	M22759/16 12-9						
PBP523-20	M22759/16 20-9	SPH607-22	M22759/16 22-9						
PBP524-20N	M22759/16 20-0	SPH608-22	M22759/16 22-9						

Material:					
Polotovarov / Semi-product:					
Úprava povrchu / Finish:		E		06.09.2023	B. Hlůšek
Hmotnost / Weight (kg):		D		02.02.2022	B. Hlůšek
Měřítka / Scale:	Promítání / Projection:	C		27.01.2022	B. Hlůšek
	Délkové rozměry / Units: mm	B		4.9.2020	B. Hlůšek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslil / Drawn by	4.9.2020	B. Hlůšek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number		Type:	
	II	Název / Name:		BRISTELL B-23	
34B220000N				List / Sheet:	Format / Size:
SYSTEM NAPAJENÍ ROTAX 912				4/4	A3
ELECTRICAL POWER SYSTEM ROTAX 912					

A - PARTS ELECTRICALLY GROUNDED / A - SOUČÁSTI ELEKTRICKY UZEMĚNÉ
 B - PARTS ELECTRICALLY BONDED / B - SOUČÁSTI ELEKTRICKY UKOSTŘENÉ




 GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.

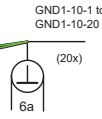
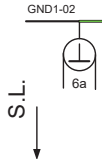
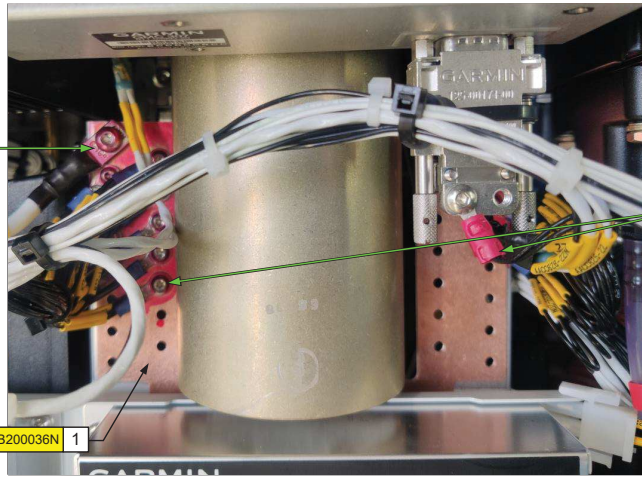
 KOSTŘIČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

CHANGE VERSUS ISSUE D:
 - ADDED PICTURES SHOWING BONDING OF EXTERNAL ALTERNATOR / SHEET 3.F4; 3.D4

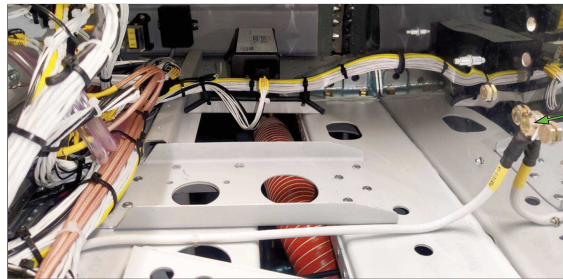
ZMĚNA OPROTÍ REVIZI D:
 - PŘIDÁNO ZOBRAZENÍ UKOSTŘENÍ BLOKU EXTERNÍHO ALTERNÁTORU / LIST 3.F4; 3.D4

Material:									
Polotovár / Semi-product:									
Úprava povrchu / Finish:					E		07.11.2023	B. Hlůšek	
Hmotnost / Weight (kg):					D		16.01.2023	B. Hlůšek	
Měřítko / Scale:	Projekční / Projection:		C		02.02.2022	B. Hlůšek			
Délkové rozměry / Units: mm					B		06.02.2020	B. Hlůšek	
Přesnost / accuracy:					Index	Změna/Design change	Date	Podpis/Signature	
Tolerování / Toleration:						Kreslí / Drawn by	06.02.2020	B. Hlůšek	
1:1		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B220200N		Type:	Index / Revision:		
		II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ		BRISTELL B-23	E		
				ELECTRICAL GROUNDING		List / Sheet:	Format / Size:		
						1 / 7	A2		

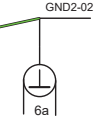
A1



A2

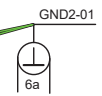
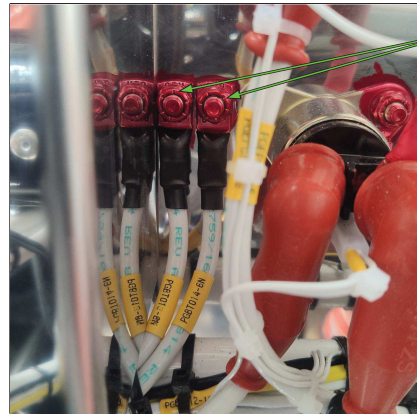


FIREWALL INSULATION OMITTED FOR BETTER VISUALIZATION
IZOLACE POŽÁRNÍ PŘEPÁŽKY VYNECHÁNA PRO LEPŠÍ ZOBRAZENÍ

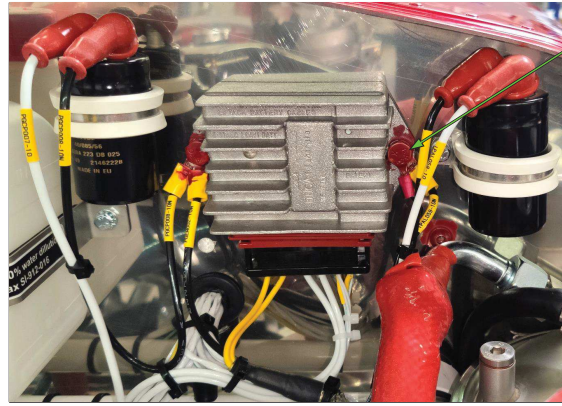


S.L. →

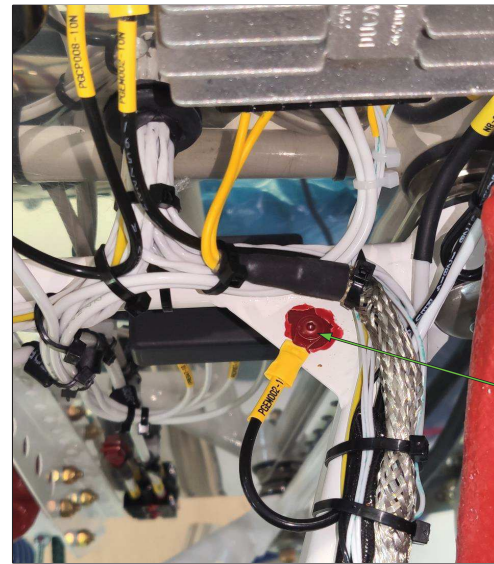
A3



A4



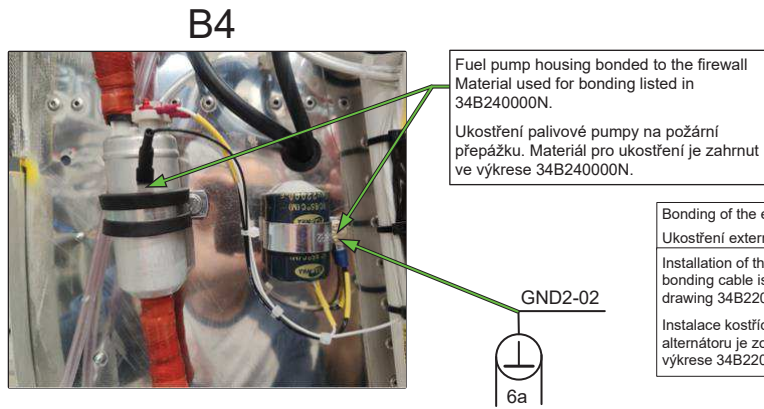
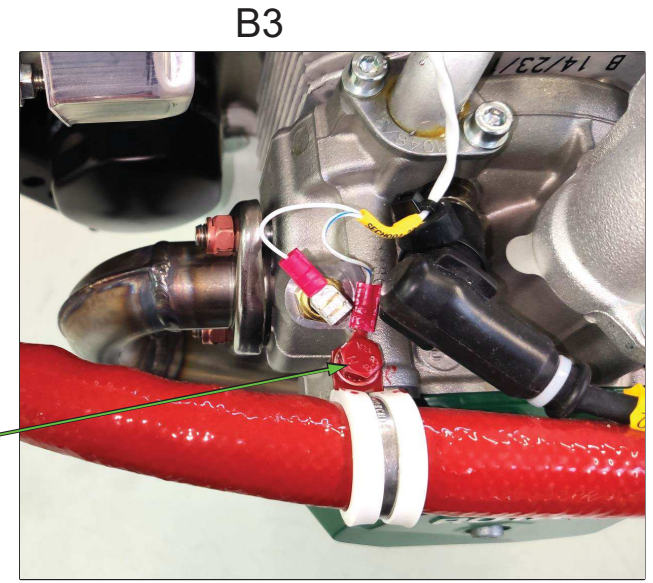
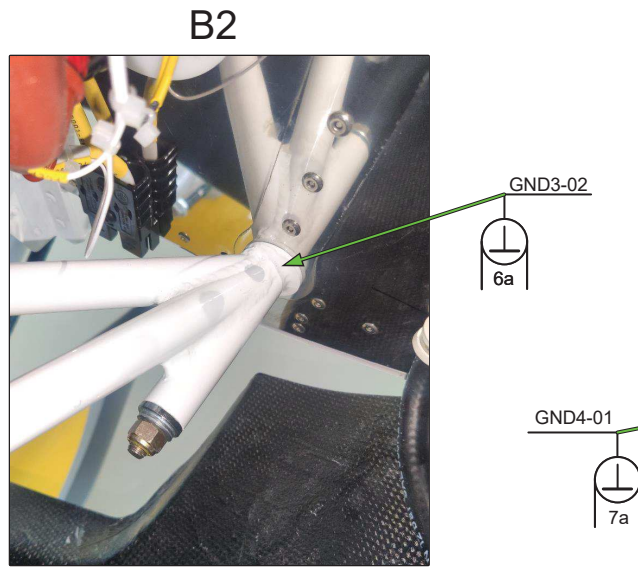
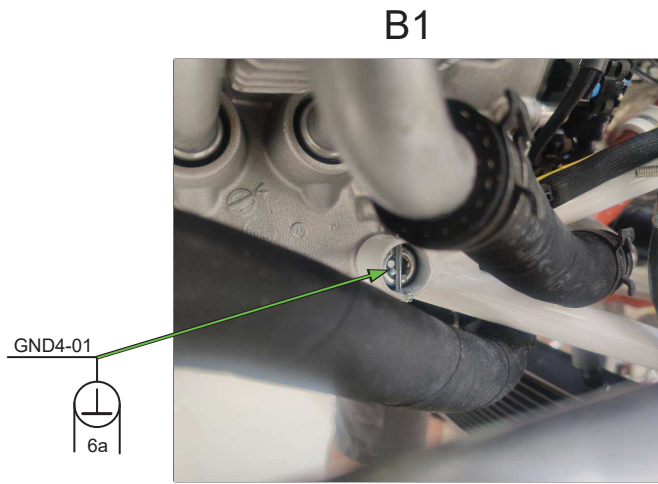
A5



GND1 - GROUNDING BRIDGE / ZEMNÍČÍ MŮSTEK
GND2 - FIREWALL / POŽÁRNÍ PŘEPÁŽKA

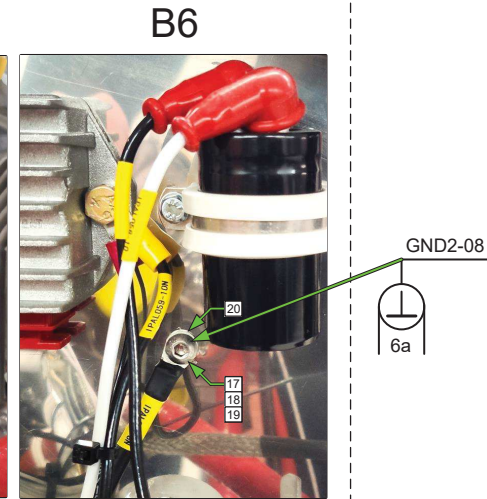
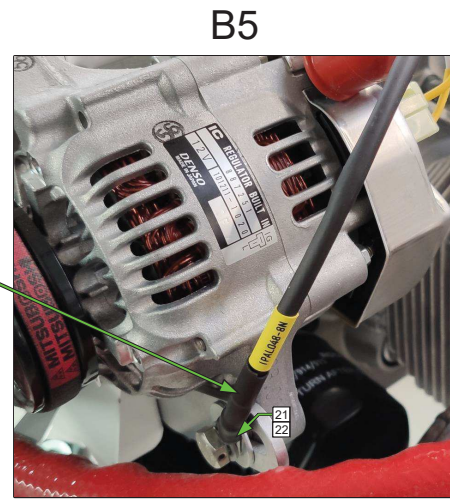
- GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.
- KOSTŘIČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

Material:					
Pořizovatel / Semi-product:					
Úprava povrchu / Finish:		E	07.11.2023	B. Hůlák	
Hmotnost / Weight (kg):		D	16.01.2023	B. Hůlák	
Měřítko / Scale:		C	02.02.2022	B. Hůlák	
Měřítko / Scale:		B	02.02.2020	B. Hůlák	
Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslí / Drawn by	06.02.2020	B. Hůlák
Skupina sled. / Traceability class		Číslo výřezu / Drawing number		Type:	
II		34B220200N		BRISTELL B-23 E	
Název / Name:		ELECTRICKÉ UKOSTŘENÍ		List / Sheet: 2 / 7	
		ELECTRICAL GROUNDING		Format / Size: A1	



Fuel pump housing bonded to the firewall
Material used for bonding listed in
34B240000N.
Ukostíění palivové pumpy na požární
přepážku. Materiál pro ukostíění je zahrnut
ve výkrese 34B240000N.

Bonding of the external alternator
Ukostíění externího alternátoru
Installation of the alternator
bonding cable is shown in
drawing 34B220204N.
Instalace kostřičíhoičího kabelu
alternátoru je zobrazena na
výkrese 34B220204N.

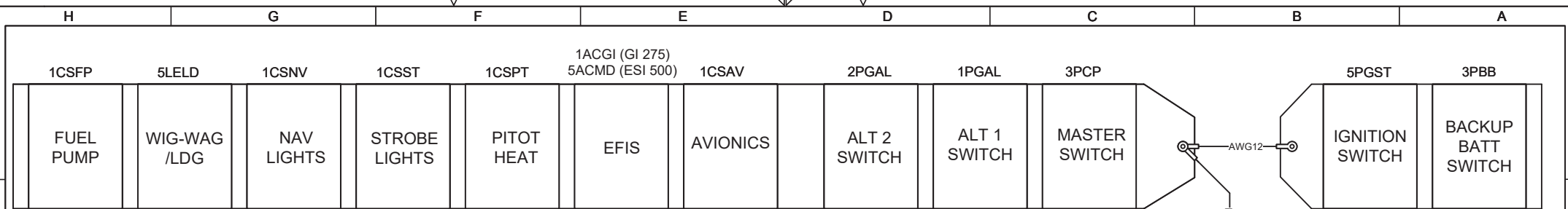


GND2 - Firewall
GND3 - Engine mount
GND4 - Engine block

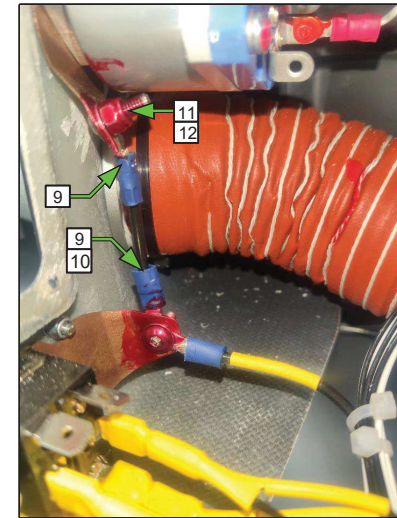
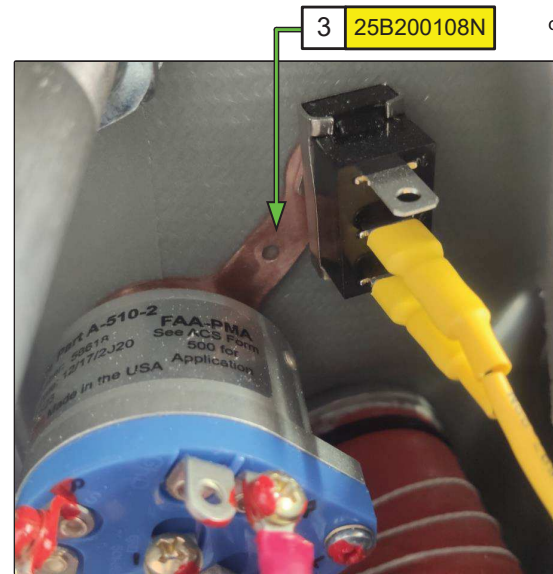
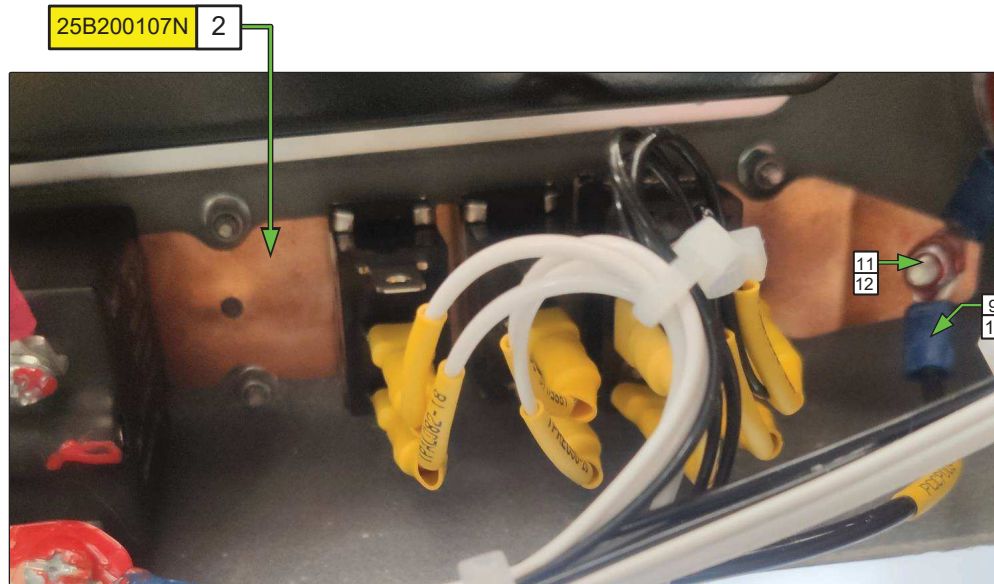
GROUNDING POINTS ARE
CONDUCTIVELY
INTERCONNECTED ACCORDING
TO ONL 6621 6A 7A

KOSTŘÍČÍ BODY JSOU SPOLU
VODIVĚ PROPOJENY DLE NORMY
ONL 6621 6A.

Material:							
Polotovary / Semi-product:							
Úprava povrchu / Finish:				E		07.11.2023	B. Hložek
Hmotnost / Weight (kg):				D		16.01.2023	B. Hložek
Mřítko / Scale:		Promítání / Projection:		C		02.02.2022	B. Hložek
Délkové rozměry / Units: mm				B		06.02.2020	B. Hložek
1:1		Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:						06.02.2020	B. Hložek
Skupina sled. / Traceability class		Číslo výkresu / Drawing number		34B220200N			Type: Index / Revision:
II		Název / Name:		ELECTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING			BRISTELL B-23 E
				List / Sheet:		Format / Size:	
				3 / 7		A2	



CB and Switch Housing interconnection (copper plate)



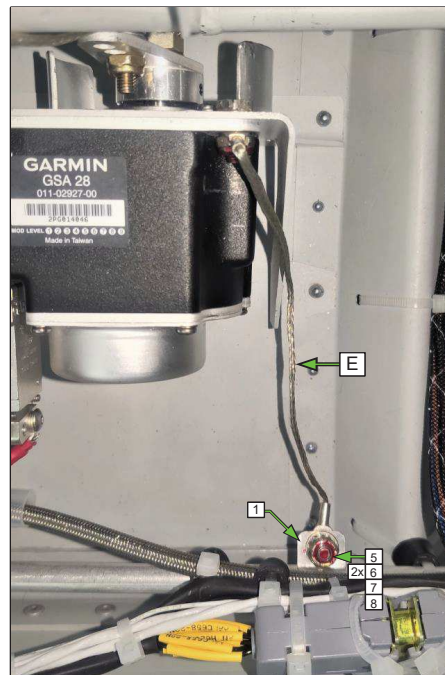
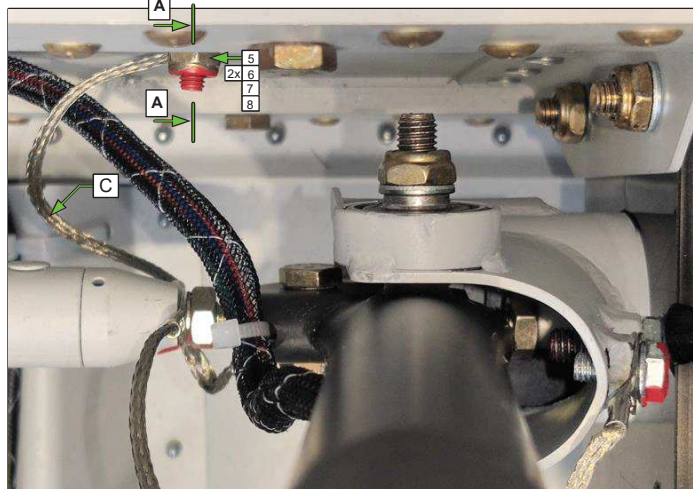
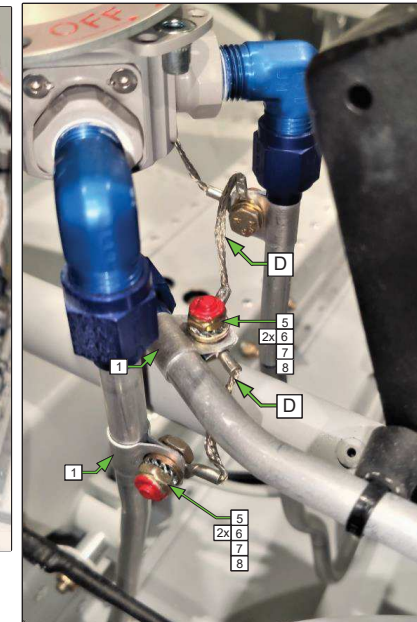
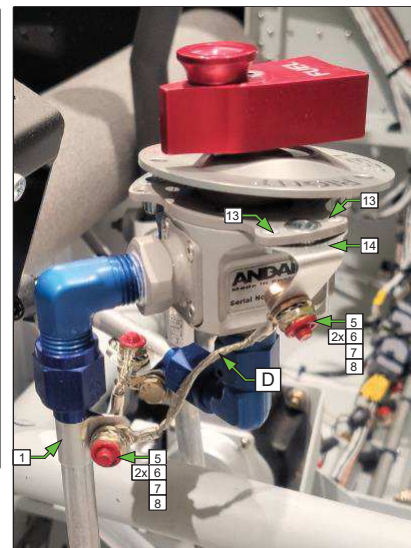
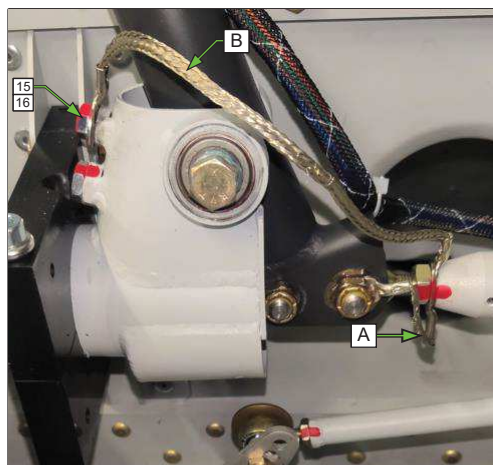
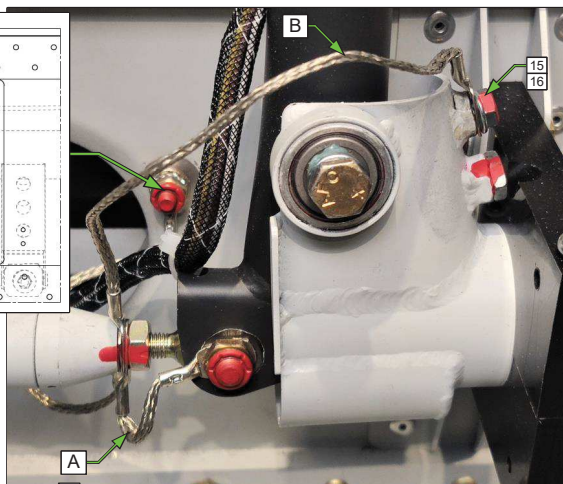
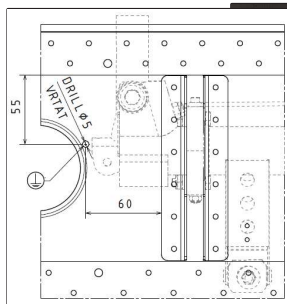
All metallic CB and switch housings bonded through interconnecting copper plates on the backside of the instrument panel in the switch row area.

Item No.	Qty	Draw. No.	Name
1	1	25B200036N	GROUNDING PLATE
2	1	25B200107N	GROUNDING PLATE
3	1	25B200108N	GROUNDING WASHER

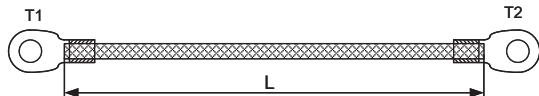
Wire used for interconnecting copper plates M22759/16-12-0
 Material used for copper plates: EN 1652 Cu – DHP R240 0,55mm

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:		E	07.11.2023	B. Hlůšek	
Hmotnost / Weight (kg):		D	16.01.2023	B. Hlůšek	
Měřítka / Scale:	Promítání / Projection:		C	02.02.2022	B. Hlůšek
	Délkové rozměry / Units: mm		B	06.02.2020	B. Hlůšek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslil / Drawn by	06.02.2020	B. Hlůšek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B220200N		Type: BRISTELL B-23
	II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		List / Sheet: 4 / 7
				Index / Revision: E	Format / Size: A3

INSTALLATION OF BONDING JUMPERS UMÍSTĚNÍ KOSTŘIČÍCH PÁSKŮ

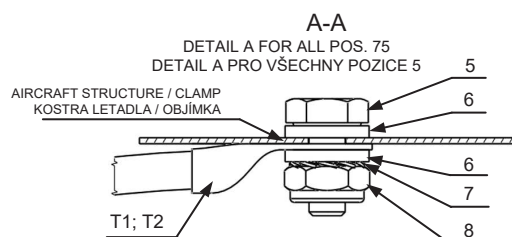


USED BONDING BRAID MATERIAL: TIN PLATED COPPER SLEEVING – RAY-101-3.0(100)
 POUŽITÝ STÍNÍČÍ MATERIÁL – CÍNEM POKOVANÝ MĚDĚNÝ OPLET - RAY-101-3.0(100)



L – BRAID LENGTH / L - DÉLKA STÍNĚNÍ
 T1, T2 – USED TERMINAL LUG / T1, T2 - POUŽITÉ KABELOVÉ OKO

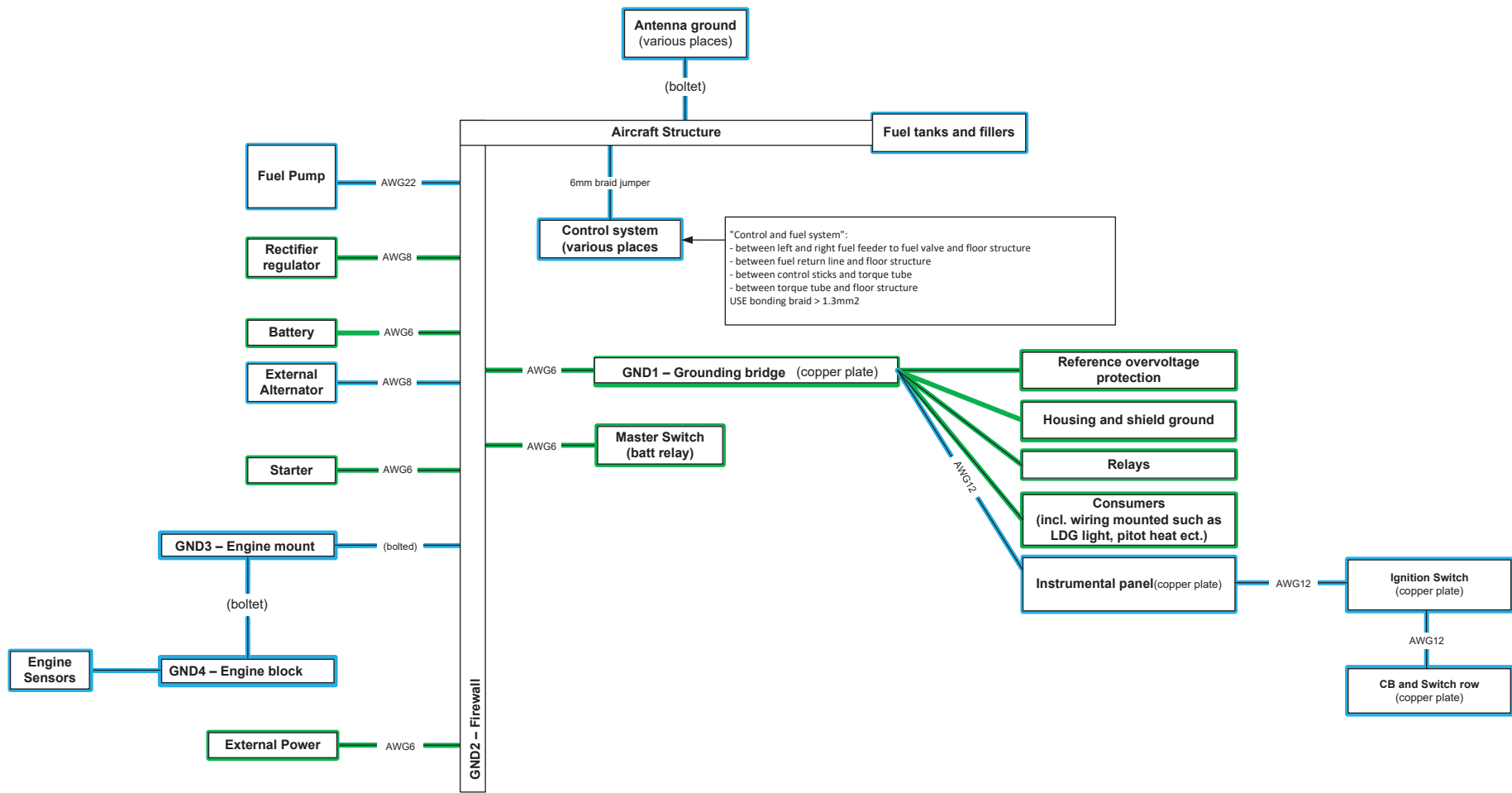
Bonding jumper	Qty	L (mm)	T1	T2
A	2	40	92R/6	92R/6
B	2	155	92R/6	92R/6
C	1	110	92R/6	92R/5
D	3	50	92R/5	92R/5
E	1	150	92R/5	92R/6



REMOVE PAINTING AND CLEAN THE MOUNTING SURFACE PRIOR TO INSTALLATION OF BONDING JUMPERS BY USING ALCOHOL CLEANER. WHEN THE MOUNTING SURFACE IS CLEAN AND DRY APPLY ALODINE AND HAVE IT PROPERLY DRIED UNTIL THE PROTECTIVE FILM IS CREATED.
 ODSTRANĚŤ OCHRANNÝ NÁTĚR V MÍSTĚ UCHYCENÍ KOSTŘIČIHO PÁSKU A PO TĚ ODMASTI OBNAŽENÝ PОВRCH. PO ODMASTĚNÍ NATŘI TOTO MÍSTO PROTŘEDKEM ALODINE A NECH DŮKLADNĚ PROSCHNOUT DOKUD SE NEVYTVOŘÍ OCHRANNÝ FILM.

Material:								
Polotovary / Semi-product:								
Úprava povrchu / Finish:				E		07.11.2023	B. Hložek	
Hmotnost / Weight (kg):				D		16.01.2023	B. Hložek	
Měřítko / Scale:		Promítání / Projection:		C		02.02.2022	B. Hložek	
Délkové rozměry / Units: mm				B		06.02.2020	B. Hložek	
1:1		Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature	
Tolerování / Toleration:						Kreslil / Drawn by	06.02.2020	B. Hložek
Skupina sled. / Traceability class		Číslo výkresu / Drawing number		34B220200N		Type:	Index / Revision:	
II		Název / Name:		ELEKTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23	E	
				List / Sheet:		Format / Size:		
				5 / 7		A2		

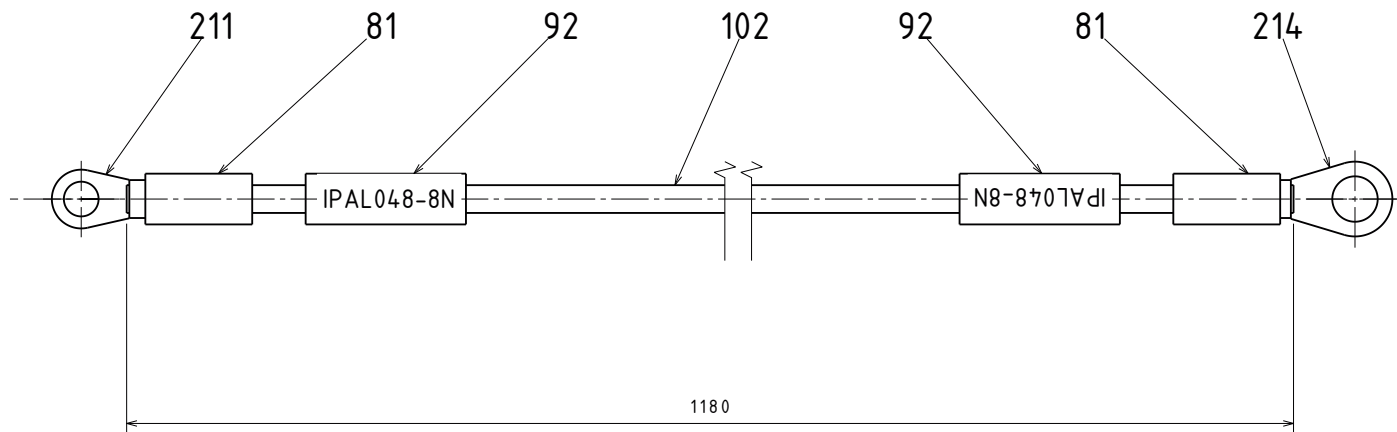
█ ELECTRICAL GROUNDING
█ ELECTRICAL BONDING



Material used for copper plates: EN 1652 Cu – DHP R240 0,55mm

Material:				
Polotovár / Semi-product:				
Úprava povrchu / Finish:		E	07.11.2023	B. Hložek
Hmotnost / Weight (kg):		D	16.01.2023	B. Hložek
Měřítko / Scale:	Promítání / Projection:	C	02.02.2022	B. Hložek
1:1	Délkové rozměry / Units: mm		B	06.02.2020
	Přesnost / accuracy:		Index	Změna/Design change
	Tolerování / Toleration:		Kreslil / Drawn by	06.02.2020
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B220200N	
	II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ	BRISTELL B-23
			Type:	Index / Revision:
			6 / 7	E
			List / Sheet:	Format / Size:
			6 / 7	A2

D		C		B		A	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name		
1	4	34B220201N	A	KOSTRICI OBJIMKA	BONDING CLAMP		
2	1	RAY-101-3		STINICI OPLET	BONDING BRAID		
3	10	92R/5		OKO KABEL, M5	TERMINAL LUG M5		
4	11	92R/6		OKO KABEL, M6	TERMINAL LUG M6		
5	7	AN3-3A		SROUB	BOLT		
6	16	AN960-10		PODLOZKA	WASHER		
7	7	5,3 DIN 6798 ZN		VEJIROVA PODLOZKA	STAR LOCK WASHER		
8	7	MS21083N3 (AN364-1032A)		SAMOJISTNA MATICE	S. L. NUT		
9	4	BF-M4		GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS 1.5-2.5 BF-M4		
10	1	M22759/16 12-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
11	2	M4x8 ISO7380 A2		SROUB	BOLT		
12	2	M4 DIN985 ZN		SAMOJISTNA MATICE	S. L. NUT		
13	2	M5x10 DIN 933		SROUB	BOLT		
14	2	5,3 DIN 125A		PODLOZKA	WASHER		
15	1	1226299		FASTON ZASTRCKA 6,3x0,8 mm	INSULATED		
16	1	M22759/16 22-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
17	1	RF-M5		GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS 0.5-1.5 RF-M5		
18	1	M6x16 ISO 7380-1 A2		SROUB	BOLT		
19	1	M6 DIN 985 ZN		SAMOJISTNA MATICE	S. L. NUT		
20	1	6,4 DIN 125A ZN		PODLOZKA	WASHER		
21	1	CU 10x6 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
22	1	CU 10x8 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
23	1	M22759/16 8-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
Material: -							
Polotovar / Semi - product: -							
Úprava povrchu / Finish: -				E		07.11.2023	B.Hlůšek
Hmotnost / Weight (kg): -				D		16.01.2023	B.Hlůšek
Měřítko / Scale:	Promítání / Projection:			C		02.02.2022	B.Hlůšek
	Délkové rozměry / Units: mm			B		06.02.2020	B.Hlůšek
[-]	Přesnost / accuracy : ISO 2768 - cL			Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015				Kresil / Drawn by	06.09.2021	B.Hlůšek
		Skupina sled./ Traceability class	Číslo výkresu / Drawing number	34B220200N		Type:	Index / Revision:
		II	Název / Name:			BRISTELL B23	E
				ELEKTRICKE UKOSTRENI		List / Sheet:	Format / Size:
				ELETRICAL GROUDING		[7/7]	A4

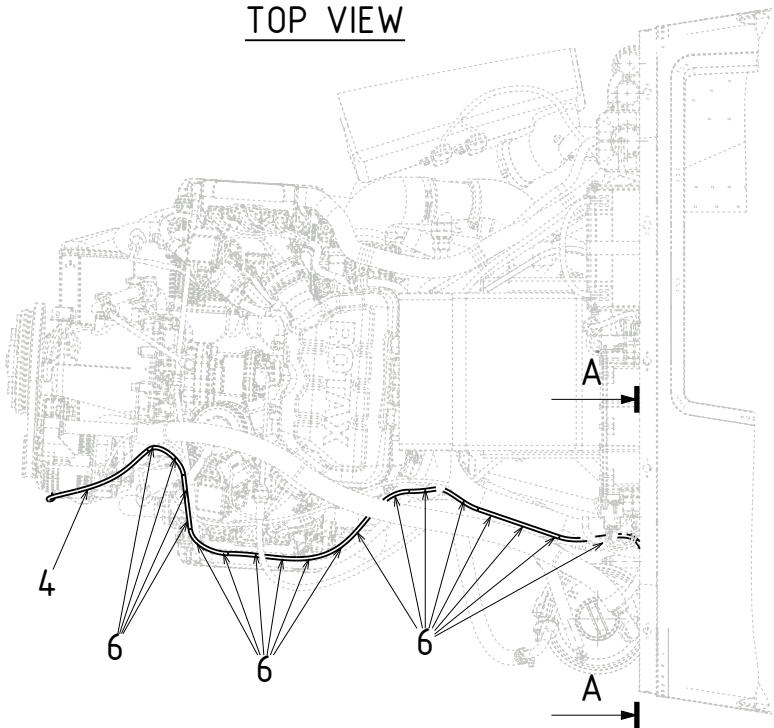


Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
81	40mm	WST2-095-00-2		SMRŠTITELNÁ SLABOSTĚNNÁ TRUBICE - ČERNÁ	HEAT SHRINK TUBE - BLACK
92	40mm	HTI 9,5 YELLOW T1		TEPLEM SMRŠTITELNÁ HADICE	HEAT SHRINKABLE TUBE
102	1,18m	M22759/16 8-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE,SAE/MS
211	1	GPH KU-SP 10x6		KABEL. OKO LIS. CU 10x6	TERMINAL LUG CU 10x6
214	1	GPH KU-SP 10x8		KABEL. OKO LIS. CU 10x8	TERMINAL LUG CU 10x8

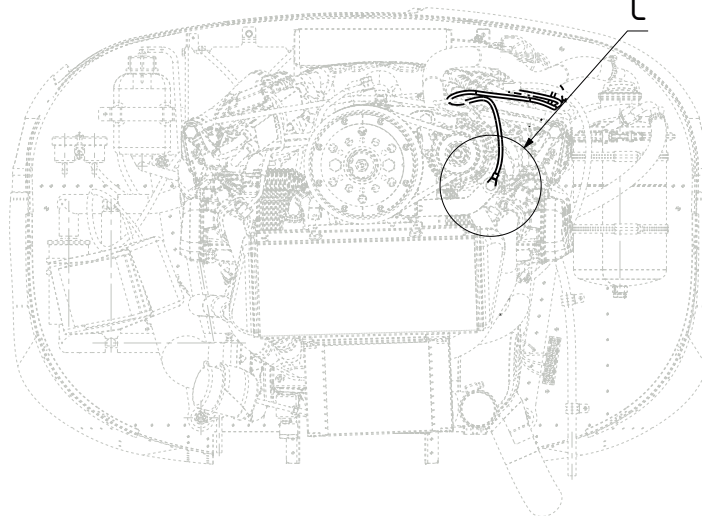
1. INSTALL CABLE LABEL (POS. 92) NO MORE THAN 40 MM FROM THE BACK OF THE CONNECTOR.
UMÍSTI ŠTÍTEK KABELU (POZ. 92) DO VZDÁLENOSTI 40 MM OD ZADNÍ ČÁSTI KONEKTORU.

Material: -					
Polotovar / Semi - product: -					
Úprava povrchu / Finish: -					
Hmotnost / Weight (kg): -					
Měřítka / Scale:	Projekce / Projection:				
	Délkové rozměry / Units: mm				
1:1	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015		Kreslil / Drawn by	07.11.2023	ondrej.bucnak
	Skupina sled./ Traceability class	Číslo výkresu / Drawing number	34B220203N		Type: Bristell B23-915 IFR 2
	II	Název / Name:			KABEL UZEMNENI ALTERNATORU ALTERNATOR BONDING CABLE
			List / Sheet: 1/1	Format / Size: A3	

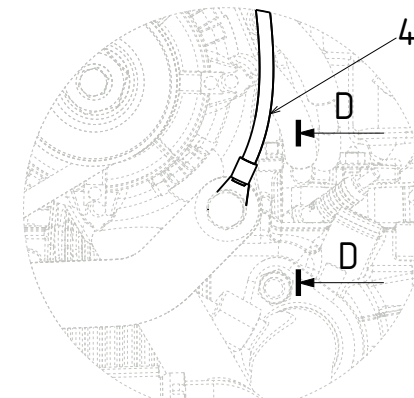
TOP VIEW



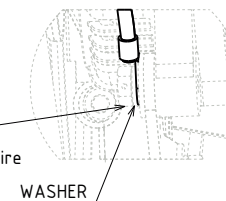
FRONT VIEW



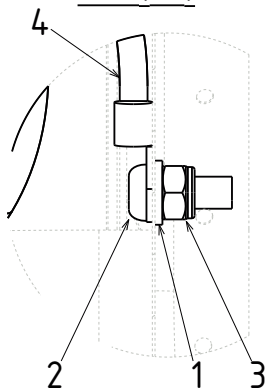
C(1:2)



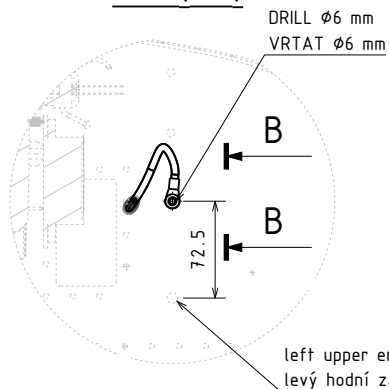
D-D(1:2)



B-B(1:1)



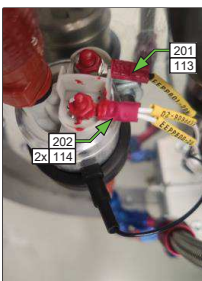
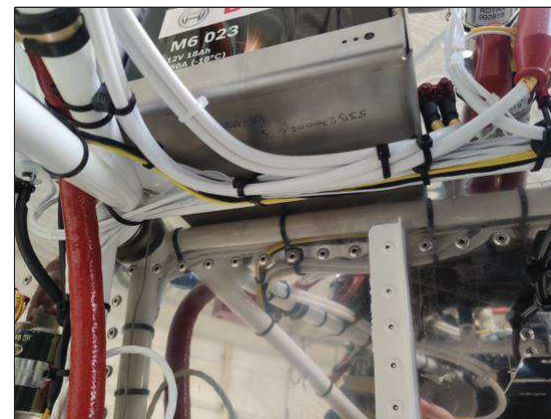
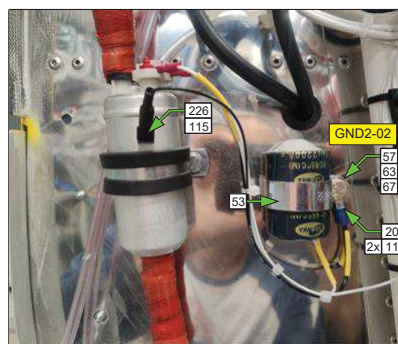
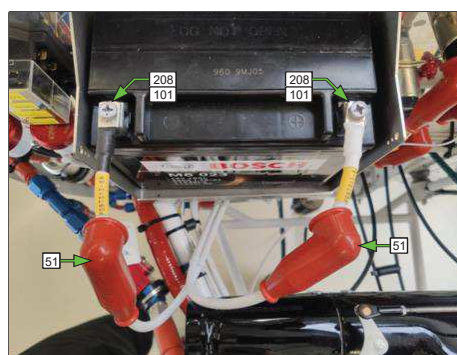
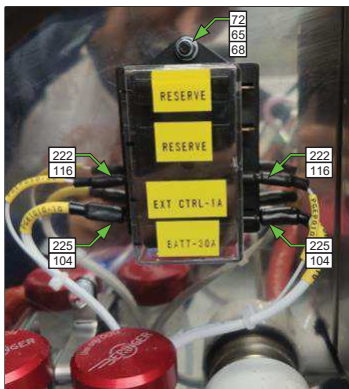
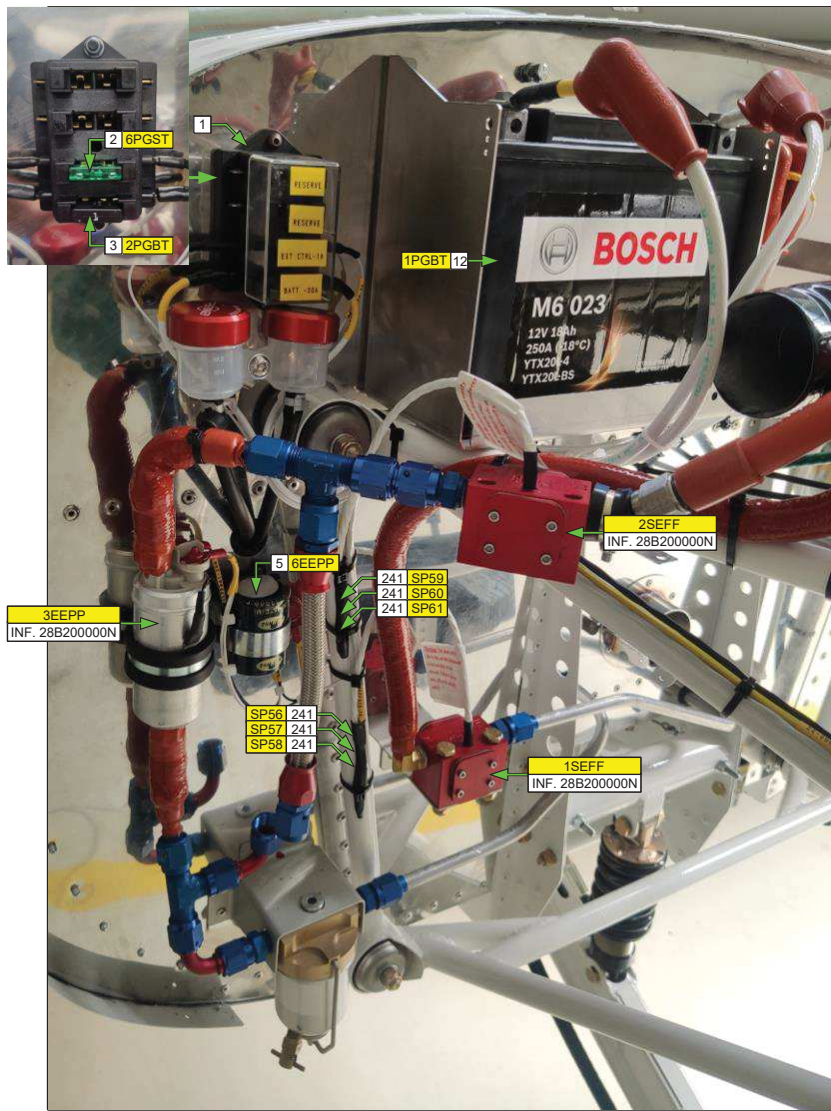
A-A(1:4)



Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	6,4 DIN125A ZN		PODLOŽKA	WASHER
2	1	M6x16 ISO7380-1 A2		SROUB	BOLT
3	1	M6 DIN985 ZN		SAMOJISTNA MATICE	S. L. NUT
4	1	34B220203N	A	KABEL UZEMNENI ALTERNATORU	ALTERNATOR BONDING CABLE
5	1	ø 0,032" MS20995 SS		ZAJISTOVACI DRAT	SAFETY WIRE
6	18	127870000		STAVOVACI PASKA CB 140/3,6 BLACK (WEIDMULLER)	CABLE TIE CB 140/3,6 BLACK (WEIDMULLER)

Material:							
Polotovár / Semi - product: -							
Úprava povrchu / Finish:							
Hmotnosť / Weight (kg):							
Měřítka / Scale:	Promítání / Projection:						
	Délkové rozměry / Units: mm						
	Přesnost / accuracy : ISO 2768 - cL			Index	Změna/Design change	Date	Podpis/Signature
1:8	Tolerování / Toleration: ISO 8015			Kreslil / Drawn by	23.11.2023	jošef.hlusek	

	Skupina sled./ Traceability class	Číslo výkresu / Drawing number	<h1>34B220204N</h1>	Type:	Index / Revision:
	II	Název / Name:		INSTALACE KOSTRICHU KABELU ALTERNATORU ALTERNATOR BONDING CABLE INSTALLATION	BRISTELL B23
				List / Sheet:	Format / Size:
				1/1	A3



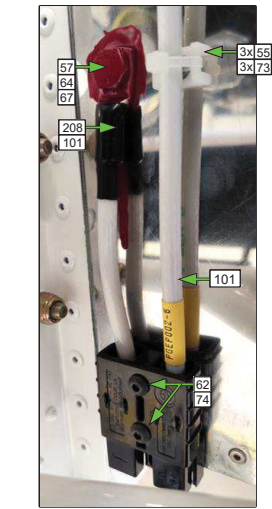
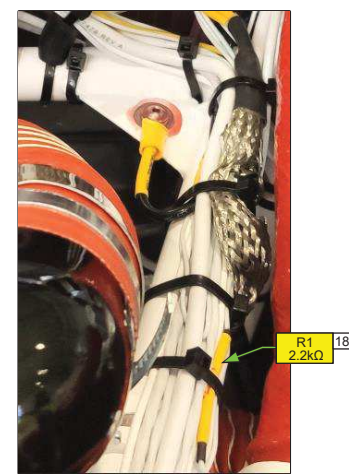
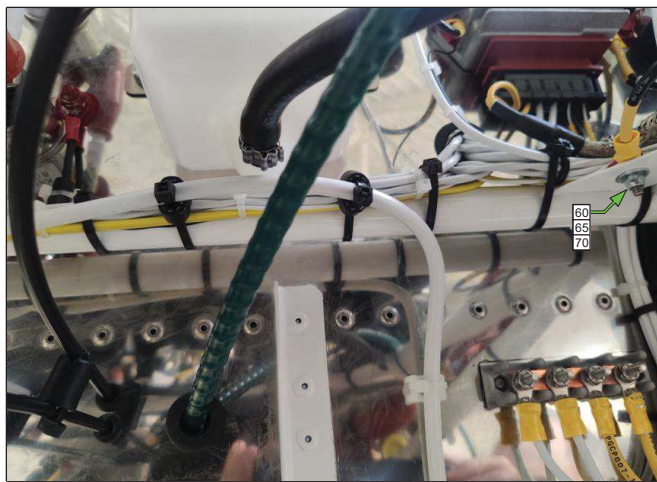
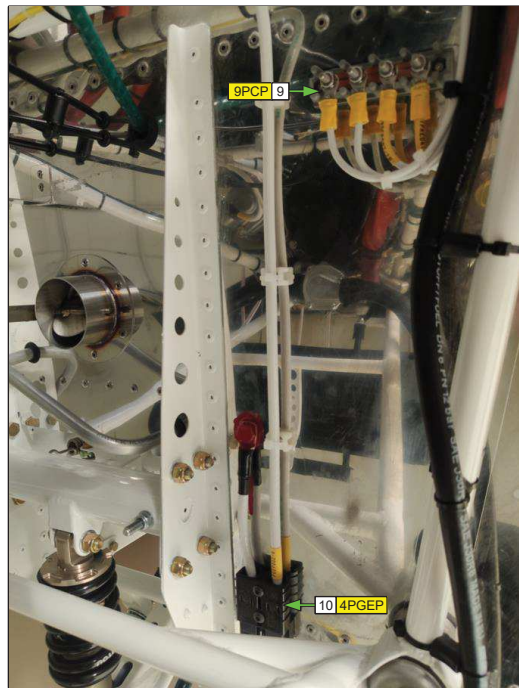
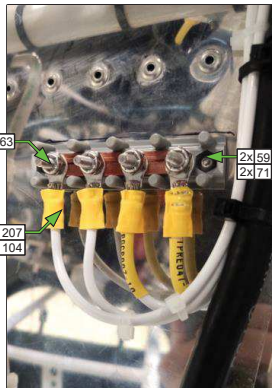
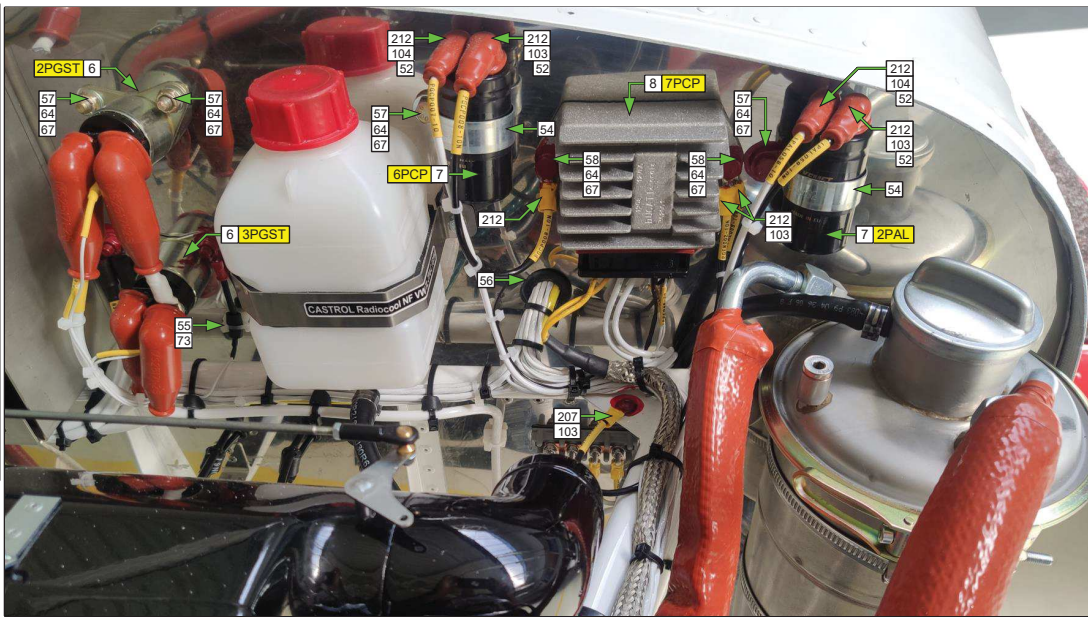
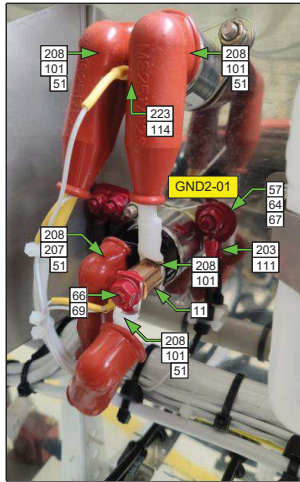
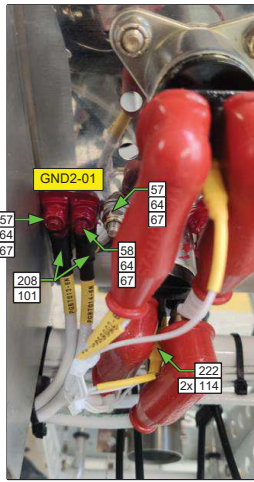
WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION OF THE ITEMS SHOWN IN THE PICTURES
 TABULKA ZOBRAZENÝCH ELEKTRONICKÝCH ZAŘÍZENÍ A K NIM PŘÍRUŽENÝCH SCHÉMAT EL. ZAPOJENÍ

Code	Item	Wiring Diagram
1PGBT	BATTERY 12V/18Ah	34B220000N /1.K8
1SEFF	FUEL FLOW TRANSDUCER	34B220015N /1.E2
2PGBT	BATTERY - BLADE FUSE 30A	34B220000N /1.J7
2SEFF	FUEL FLOW RETURN TRANSDUCER	34B220015N /1.E2
3EPPP	FUEL PUMP	34B220015N /1.B6
6EPPP	CAPACITOR 22mF/25V	34B220015N /1.C5
6PGST	EXTR CTRL - BLADE FUSE 1A	34B220000N /1.H2

CHANGE VERSUS ISSUE C:
 - ADDED RESISTOR R1 2,2 kOhm /SHEET 2.B3

ZMĚNA VERSUS REVIZE C:
 - PŘIDÁN REZISTOR R1 2,2 kOhm /LIST 2.B3

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:	D	23.11.2023	B. Hložek	
	Délkové rozměry / Units: mm	C	15.09.2023	B. Hložek	
1:1	Přesnost / accuracy:	B	15.09.2020	B. Hložek	
	Tolerování / Tolerance:	Index	Změna/Design change	Date	Podpis/Signature
			Kreslil / Drawn by	15.09.2020	B. Hložek
BRMAERO	Skupina sled. / Traceability class	34B240000N		Type:	Index / Revision:
	Číslo výkresu / Drawing number	KABELAZ MOTORU SESTAVA		BRISTELL	D
II	Název / Name:	ENGINE WIRING ASSEMBLY		List / Sheet:	Format / Size:
				1 / 5	A2

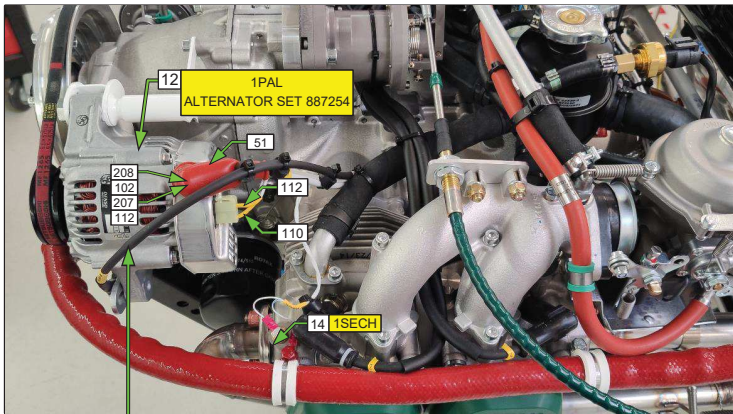


WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION OF THE ITEMS SHOWN IN THE PICTURES

TABUĽKA ZOBRAZENÝCH ELEKTRONICKÝCH ZAŘÍZENÍ A K NIM PŘIDUŽENÝCH SCHÉMAT EL. ZAPOJENÍ

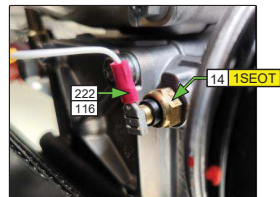
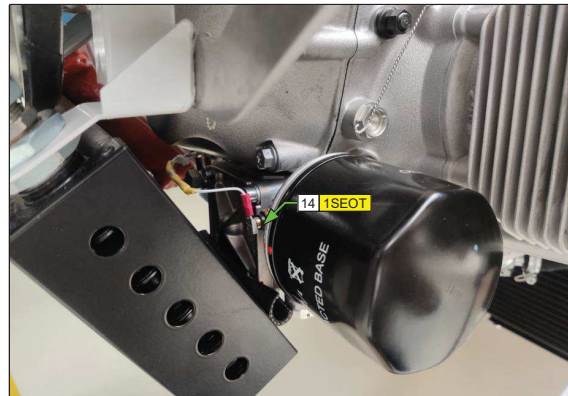
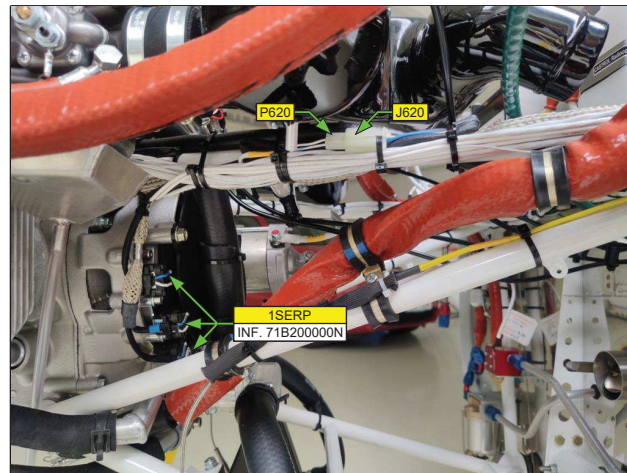
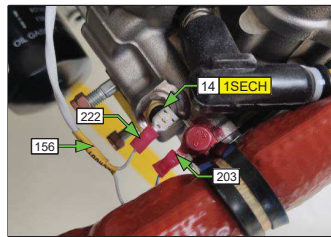
Code	Item	Wiring Diagram
2PAL	CAPACITOR 22mF/25V	34B220000N /1.K2
2PGST	EXT PWR START RELAY	34B220000N /1.K2
3PGST	START RELAY	34B220000N /1.K7
4PGEP	EXT START POWER PLUG	34B220000N /1.H2
6PCP	CAPACITOR 22mF/25V	34B220000N /1.L5
7PCP	RECTIFIER	34B220000N /1.J4
9PCP	TERMINAL BLOCK	34B220000N /1.K5
R1	RESISTOR 2,2 kOhm	34B220000N /1.K3

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):		D		19.02.2024	B. Hlůšek
Měřítko / Scale:		C		15.09.2023	B. Hlůšek
Délkové rozměry / Units: mm:		B		15.09.2020	B. Hlůšek
Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslil / Drawn by	15.09.2020	B. Hlůšek
1:1	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B240000N		Type: Index / Revision:
			KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		BRISTELL B-23 D
II		Název / Name:	KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		List / Sheet: Format / Size:
			2 / 5		A2



Alternator bonding cable 34B220203N
 - for cable installation use drawing 34B220204N

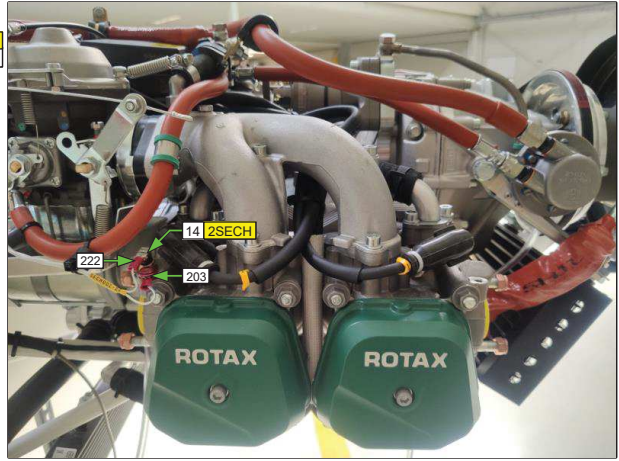
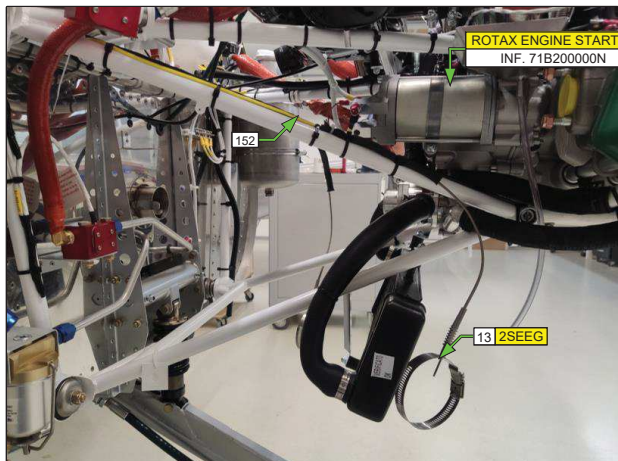
Kostřící kabel alternátoru 34B220203N
 - pro instalaci kabelu použij výkres 34B220204



WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION OF THE ITEMS SHOWN IN THE PICTURES
 TABULKA ZOBRAZENÝCH ELEKTRONICKÝCH ZAŘÍZENÍ A K NIM PŘIDUŽENÝCH SCHÉMAT EL. ZAPOJENÍ

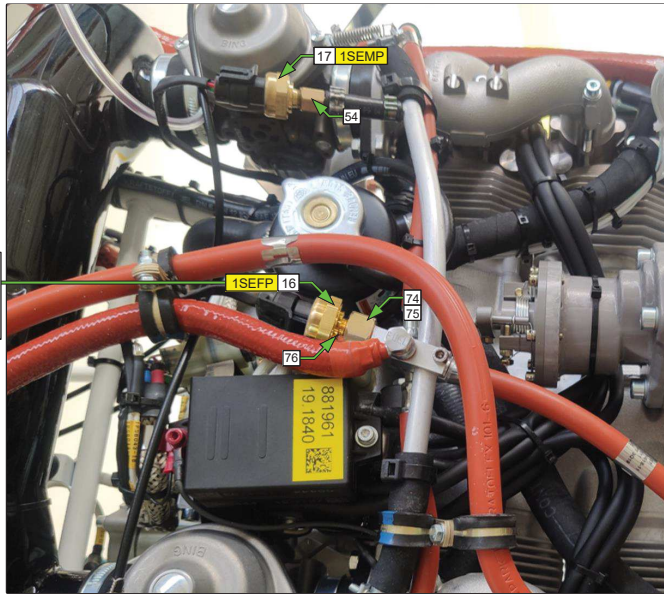
Code	Item	Wiring Diagram
1PAL	EXTERNAL ALERNATOR	34B220000N /1.L3
1SEEG	EGT PROBE #1 LH	34B220011N /1.H5
1SECH	CHT SENSOR #1 LH	34B220011N /1.H8
1SEOT	OIP TEMP. SENSOR	34B220011N /1.H2
1SERT	RPM	34B220011N /1.H6

Material:										
Polotovary / Semi-product:										
Úprava povrchu / Finish:										
Hmotnost / Weight (kg):						D		19.02.2024	B. HLÚŠEK	
Měřítko / Scale:						C		15.09.2023	B. HLÚŠEK	
Délkové rozměry / Units: mm						B		15.09.2020	B. HLÚŠEK	
Přesnost / accuracy:						Index	Změna/Design change	Date	Podpis/Signature	
Tolerování / Toleration:								Kreslí / Drawn by	15.09.2020	B. HLÚŠEK
						Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B240000N KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		Type: Index / Revision:
						II	Název / Name:			BRISTELL B-23
								List / Sheet:	Format / Size:	
								3 / 5	A2	



WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION OF THE ITEMS SHOWN IN THE PICTURES
 TABULKA ZOBRAZENÝCH ELEKTRONICKÝCH ZAŘÍZENÍ A K NĚM PŘIDUŽENÝCH SCHÉMAT EL. ZAPOJENÍ

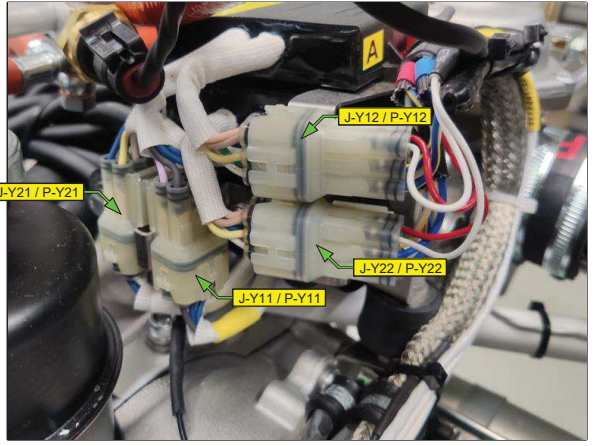
Code	Item	Wiring Diagram
15EFP	FUEL PRESSURE SENSOR	34B220011N /1.H3
15EMP	MANIFOLD PRESSURE SENSOR	34B220011N /1.H4
15EOP	OIL PRESSURE SENSOR	34B220011N /1.C8
25EEG	EGT PROBE #2 RH	34B220011N /1.H5
25ECH	CHT SENSOR #2 RH	34B220011N /1.H7



Fuel Pressure Sensor
 Kavlico P4055-15G-E4A
 OR
 Garmin GPT 15G

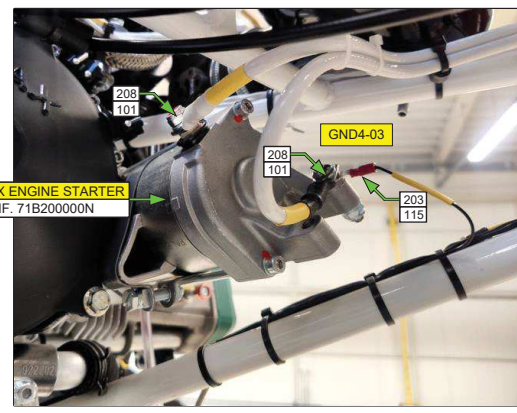
Mounting instructions:

- 1) Mounting of sensor reduction (pos. 74) with seal washer (pos. 75):**
 - Torque 10Nm
 - Make sure to counter the torque on the distribution block (Rotax PN 851328)
- 2. Installation of the fuel pressure sensor (pos. 16) to sensor reduction (pos. 74):**
 - apply Loctite 565 (pos. 76) on reduction and sensor
 - run up finger tight
 - seal with two full additional turns from finger tight
 - make sure to counter the torque on the reduction
 - Never back off (loosen) pipe threaded connectors to achieve alignment



Ignition A
 Connectors: J-Y11 / P-Y11 and J-Y12 / P-Y12
 34B220000N /1.M6

Ignition B
 Connectors: J-Y21 / P-Y21 and J-Y22 / P-Y22
 34B220000N /1.M5





Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):		d	19.02.2024	B. HLÚŠEK	
Měřítko / Scale:	Promítání / Projection:	c	15.09.2023	B. HLÚŠEK	
	Délkové rozměry / Units: mm	B	15.09.2020	B. HLÚŠEK	
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslil / Drawn by	15.09.2020	B. HLÚŠEK
BRMAERO	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B240000N		Type: Index / Revision:
	Název / Name:	KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		BRISTELL B-23	D
			List / Sheet: 4 / 5	Format / Size: A2	

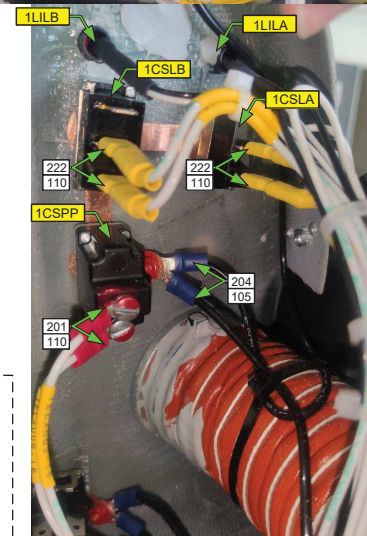
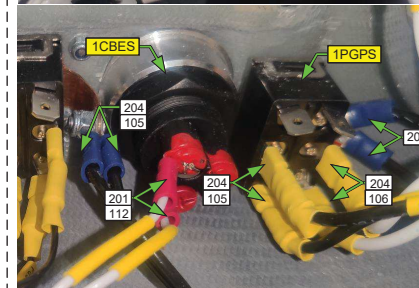
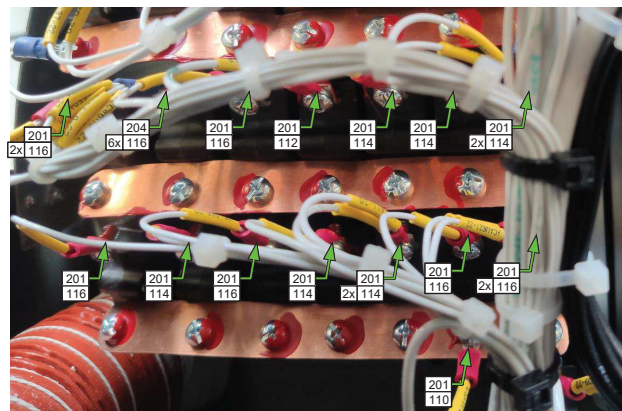
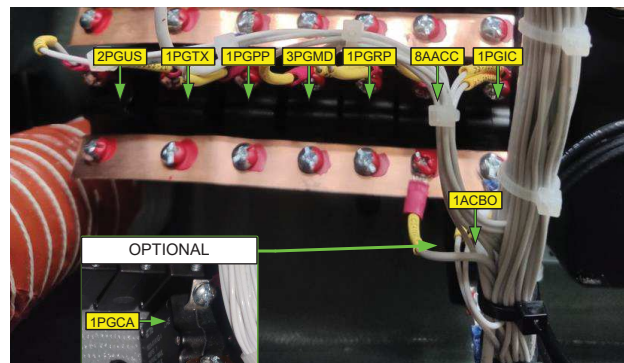
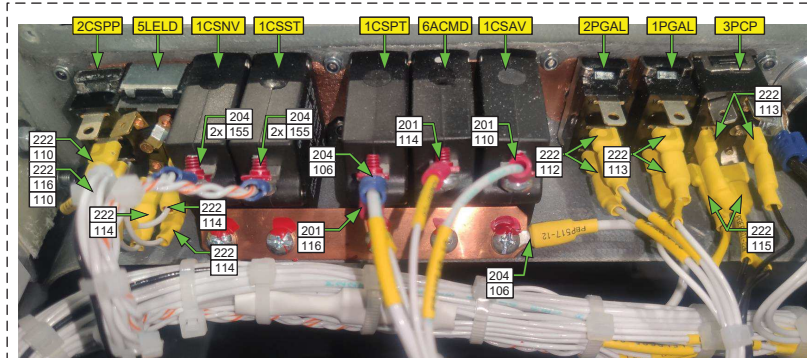
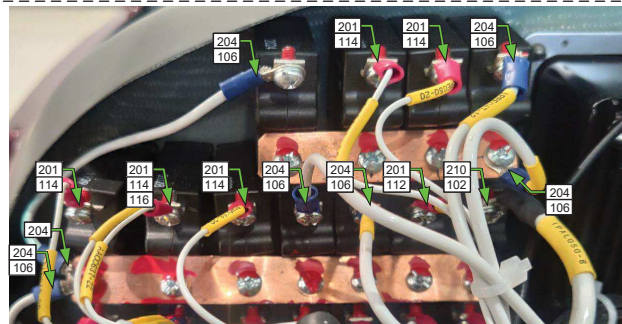
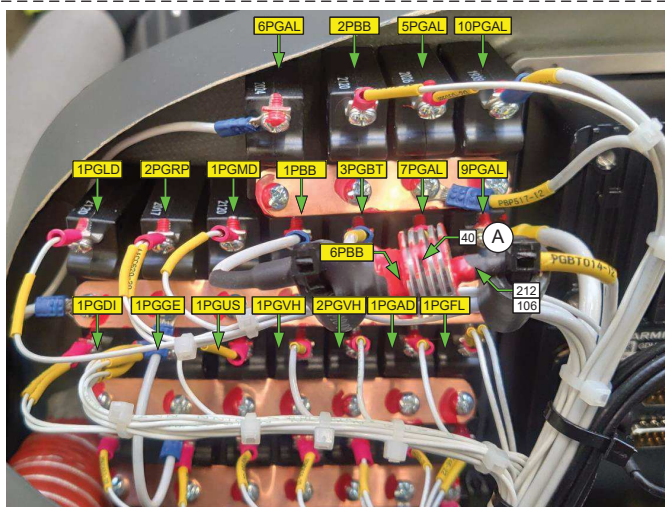
M	L	K	J	H	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	4FB-H	A.1	POJISTKOVA PATICE 12V	FUSE BLOCK 12V
2	1	NOZOVA POJISTKA 1A	A.1	NOZOVA AUTOPOJISTKA 1A	BLADE FUSE 1A
3	1	NOZOVA POJISTKA 30A	A.1	NOZOVA AUTOPOJISTKA 30A	BLADE FUSE 30A
4	1	RB0092M60230	A.1	BATERIE (BOSCH)	BOSCH (BATTERY)
5	1	22G2/35V	A.1	KONDENZATOR (SAMWHA)	CAPACITOR (SAMWHA)
6	2	ROTAX 992818	A.1	STARTOVACI RELE	STARTER RELAY
7	2	ALS 30A223BD	A.1	KONDENZÁTOR (KEMET)	CAPACITOR (KEMET)
8	1	965349	A.1	USMEROVAC	RECTIFIER
9	1	MS 27212-1-4	A.1	SVORKOVNICE 4 POZICE	TERMINAL BLOCK
10	1	992G2-BK	A.1	EXTERN DOBIJEC ZASUVKA	EXTERNAL CHARGING SOCKET
11	1	34B240010N	A.1	NADSTAVEC PINU	PIN EXTENDER
12	1	887254	A.1	ALTERNATOR SET	ALTERNATOR ASSY
13	1	59180	A.1	SENZOR TEPLŮTY VYFUK PLYNU	EXHAUST TEMPERATURE SENZOR
14	2	965531	A.1	SENZOR TEPLŮTY HLAVY/OLEJ	TEMP. SENSOR HEAD/OIL
15	1	86255	A.1	SENZOR TLAKU OLEJE	OIL PRESSURE SENSOR
16	1	KAVLICO P4055-15G-E4A	A.1	SENZOR TLAKU PALIVA	FUEL PRESSURE SENSOR
17	1	P4055-30A-E4A	A.1	SENZOR TLAKU ROZVOD. PALIVA	MANIFOLD PRESSURE SENSOR
18	1	RN60D2201B14	A.1	Rezistor 2,2 kΩ (Vishay)	Resistor 2,2 kΩ (Vishay)
51	7	MS25171-2S	□	SILIKONOVA KRYTKA CERVENA	SILICON NIPPLE RED
52	4	MS25171-1S	□	SILIKONOVA KRYTKA CERVENA	SILICON NIPPLE RED
53	3	MS21919WCH22	□	SPONA	CLAMP
54	1	221C	□	MOSAZNA REDUKCE 1/4x1/8 FFEM	HOSE BARB 1/4x1/8 FFEM
55	40	KSD-1510	□	KABELOVE SEDLO NYLON 66 (WAPRO)	CABLE TIE MOUNT NYLON 66 (WAPRO)
56	1	TG 510	□	PRUCHODKA 15x2	GROMET 15x2
57	8	AN4-4A	□	SROUB	BOLT
58	3	AN4-5A	□	SROUB	BOLT
59	2	M3x16 ISO7380 A2	□	SROUB	BOLT
60	1	M4x12 ISO7380-2 A2	□	SROUB	BOLT
61	2	M4x16 ISO7380-1 A2	□	SROUB	BOLT
62	2	M4x30 ISO7380-1 A2	□	SROUB	BOLT
63	4	AN364-632	□	SAMOJISTNA MATICE	S. L. NUT
64	11	MS21044N4 (AN365-428A)	□	MATICE SAMOJISTNA	S. L. NUT
65	3	M4 DIN985 ZN	□	SAMOJISTNA MATICE	S. L. NUT
66	1	M6 DIN934,ZN,8.8	□	MATICE	NUT
67	11	AN960-416L	□	PODLOZKA	WASHER
68	2	4,3 DIN125A ZN	□	PODLOZKA	WASHER
69	1	6,4 DIN125A ZN	□	PODLOZKA	WASHER
70	1	4,3 DIN9021 ZN	□	PODLOZKA	WASHER
71	2	9407-30301	□	M3 NYTOVACI MATICE, PLOCHA HLAVA	M3 RIVET NUT, FLAT HEAD, ST
72	2	9A18-403001	□	M4 NYTOVACI MATICE, PLOCHA HLAVA	M4 RIVET NUT, FLAT HEAD, AL
73	4	BE61-0408	□	NYT 3,2x6,6 NEREZ	RIVET 3,2x6,6 SS/SS
74	1	28B200034N	A	REDUKCE PALIVOVEHO CIDLA	FUEL SENSOR REDUCTION
75	1	TES-CU14x10x1,5	□	PODLOZKA	WASHER
76	1	LOCTITE 565	□	LOCTITE 565	LOCTITE 565

M	L	K	J	H
Poz./ Item No.	Mn./Q.	PN	NÁZEV	NAME
201		RF-M4	GP OKO PVC LIS. 0.5-1.5 RF-M4	GP RING PVC PRESS. 0.5-1.5 RF-M4
202		RF-M5	GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS. 0.5-1.5 RF-M5
203		RF-M6	GP OKO PVC LIS. 0.5-1.5 RF-M6	GP RING PVC PRESS. 0.5-1.5 RF-M6
204		BF-M4	GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS. 1.5-2.5 BF-M4
205		BF-M6	GP OKO PVC LIS. 1.5-2.5 BF-M6	GP RING PVC PRESS. 1.5-2.5 BF-M6
206		GF-M4	GP OKO PVC LIS. 10-12 GF-M4	GP RING PVC PRESS. 10-12 GF-M4
207		GF-M6	GP OKO PVC LIS. 10-12 GF-M6	GP RING PVC PRESS. 10-12 GF-M6
208		CU 16-6 KU-L	GP OKO KABEL.TR. CU 16-6 KU-L	GP RING CABLE TR. CU 16-6 KU-L
209		CU 16-8 KU-L	GP OKO KABEL.TR. CU 16-8 KU-L	GP RING CABLE TR. CU 16-8 KU-L
212		GF-M5	GP OKO PVC LIS. 10-12 GF-M5	GP RING PVC PRESS. 10-12 GF-M5
221		RF-F408	GP KONEKT. PVC LIS.PLO.RF-F 408	GP CONECT. PVC PRESS.PLO.RF-F 408
222		RF-F608	GP KONEKT. PVC LIS.PLO.RF-F 608	GP CONECT. PVC PRESS.PLO.RF-F 608
223		RF-F608P	GP KONEKT. PVC LIS.PLO.RF-F 608P	GP CONECT. PVC PRESS.PLO.RF-F 608P
224		BF-F608	GP KONEKT. PVC LIS.PLO.BF-F 608	GP CONECT. PVC PRESS.PLO.BF-F 608
225		GF-F608	GP KONEKT. PVC LIS.PLO.GF-F 608	GP CONECT. PVC PRESS.PLO.GF-F 608
226		1226299	FASTON ZASTRCKA 6.3x0.8	2 MALES 6,3X0,8 CONNECTOR
231		DI 1.0-8	DUTINKA LISOVACI S IZOLACI	FERRULE-AL 0,25-6YE
241		650-S010R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING
242		650-S010Z	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING
243		650-S010R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING

M	L	K	J	H
Poz./Item No.	Mn./Q.[m]	PN Kabel/Cable	NÁZEV	NAME
101		-	M22759/16 6-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
102		-	M22759/16 8-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
103		-	M22759/16 10-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
104		-	M22759/16 10-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
105		-	M22759/16 12-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
106		-	M22759/16 12-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
107		-	M22759/16 14-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
108		-	M22759/16 14-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
109		-	M22759/16 16-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
110		-	M22759/16 16-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
111		-	M22759/16 18-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
112		-	M22759/16 18-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
113		-	M22759/16 20-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
114		-	M22759/16 20-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
115		-	M22759/16 22-0 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
116		-	M22759/16 22-9 VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
151		M17/128-RG400	KABEL KOAXIAL	COAXIAL CABLE
152		42525	KABEL K CIDLU ALCO EGT	EGT TYPE K EXTENSION LEAD, 90"
153		M27500-18SB1T23	KABEL S IZOLACI	SHIELDED CONDUCTOR WITH XLETFE INSULATION
154		M27500-20 TG 2T14	KABEL S IZOLACI ETFE, NEMA/MS	MULTICONDUCTOR SHIELDED, JACKETED
155		M27500-20 TG 3T14	KABEL S IZOLACI ETFE	MULTICONDUCTOR SHIELDED, JACKETED
156		M27500-22 TG 2T14	KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED
157		M27500-22 TG 3T14	KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED

* ALTERNATIVE FUEL PRESSURE SENZOR * ALTERNATIVE FUEL PRESSURE SENZOR
GARMIN GPT 15G (P/N: 011-05783-10) GARMIN GPT 15G (P/N: 011-05783-10)

Material:					
Polotovár / Semi - product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):		Promítání / Projection: 		D	19.02.2024 B.Hlůšek
Měřítko / Scale:	Délkové rozměry /Units: mm		Tolerování / Toleration: ISO 8015	C	15.09.2023 B.Hlůšek
	Přesnost / accuracy: ISO 2768 - cL			B	15.09.2023 B.Hlůšek
[-]	Nadřazená sestava / Parent assembly:		Index	Změna/Design change	Date
	Kusů na letadlo / Pcs. on the plane:			Kreslí / Drawn by	15.9.2023 B.Hlůšek
		Skupina sled / Traceability class	Číslo výkresu / Drawing number	34B240000N	
		II	Název / Name:		
		KABELAZ MOTORU SESTAVA		Type:	Index / Revision:
		ENGINE WIRING ASSEMBLY		BRISTELL B23	D
				List / Sheet:	Format / Size:
				5/5	A2



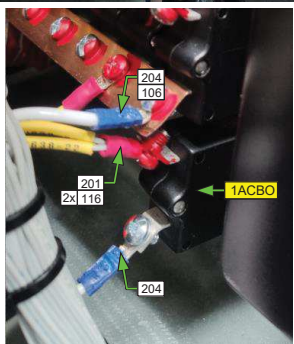
PILOT SIDE
STRANA PILOTA

CO-PILOT SIDE
STRANA CO-PILOTA

OPTIONAL

1PGCA

BACKUP CAMERA
CB is placed next to
the Headset CB



CHANGE VERSUS ISSUE B:
- ADDED NEW ITEM: POTENTIOMETER BED, POSITION 41 /SHEET 2.H5

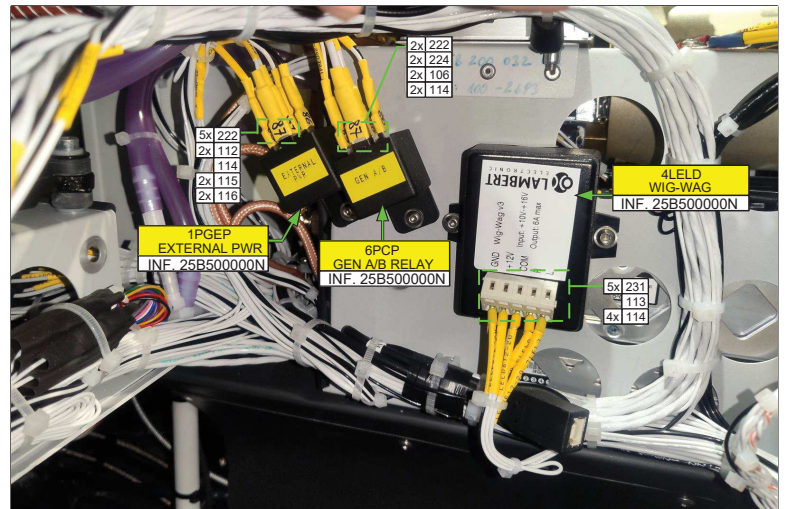
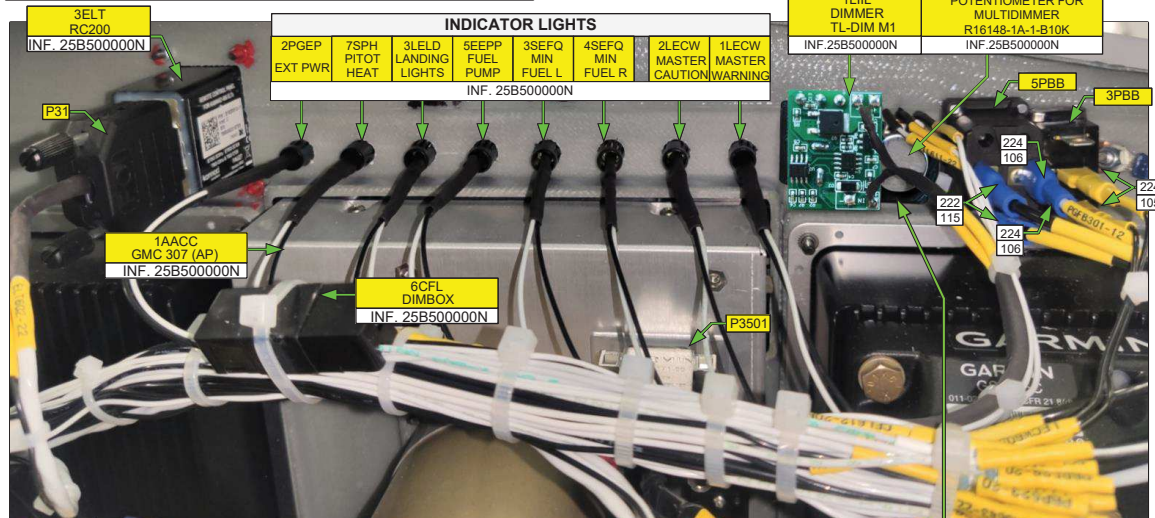
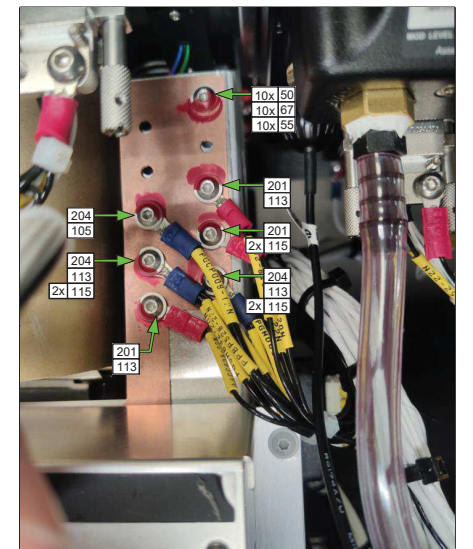
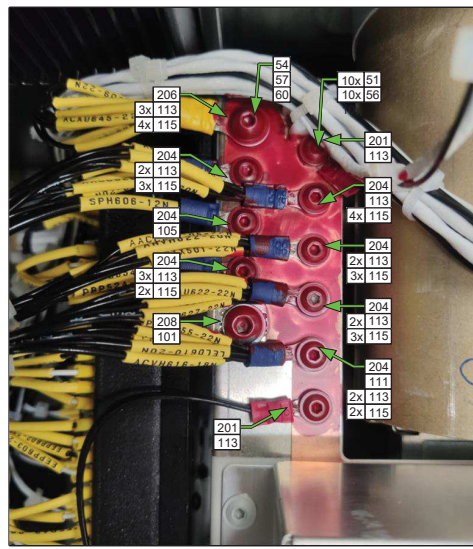
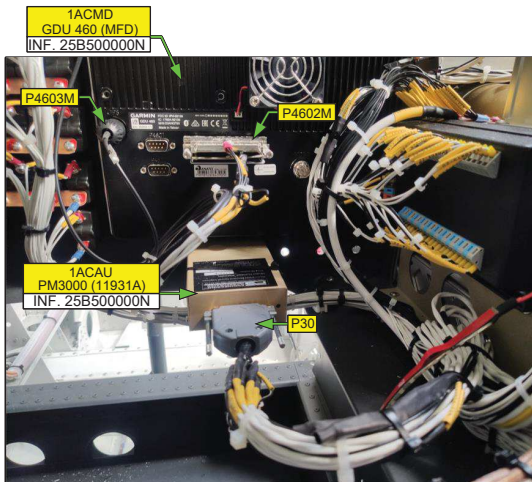
ZMĚNA OPROTÍ REVIZI B:
- PŘIDĀNA NOVĀ POLOŽKA: ZĀKLADNA PRO POTENCIOMETRY, POZICE 41 / LIST 2.H5

(A) TOP SURFACE OF THE RECTIFYING DIODE COOLER MUST BE MARKED WITH RED PAINT
POVRCH CHLADIČE USMĚRŇOVACÍ DIODY MUSÍ BÝT POZNAČEN ČERVENOU BARVOU

All CIRCUIT BREAKERS AND SWITCHES ARE PART OF 25B500000N INSTRUMENT PANEL ASSY
VŠECHNY POJISTKY, JISTIČE A PŘEPÍNAČE JSOU SOUČÁSTÍ SESTAVY PALUBNÍ DESKY 25B500000N

INTERCONNECTING COPPER PLATES USED FOR BONDING CIRCUIT BREAKER AND SWITCH HOUSINGS ARE MADE OF CW024A-R240 (CU-DHP) SH 0.55
ZEMNÍČÍ PLIŠKY PROPOJUJÍCÍ KOVĚ ČÁSTI POUZDER POJISTEK, JISTIČŮ A PŘEPÍNAČŮ JSOU VYROBĚNY Z MATERIĀLU CW024A-R240 (CU-DHP) SH 0.55

Material:				
Polotovár / Semi-product:				
Úprava povrchu / Finish:				
Hmotnost / Weight (kg):				
Měřítko / Scale:	Promítání / Projection:	c	23.11.2023	B. Hložek
1:1	Délkové rozměry / Units: mm	B	09.12.2022	B. Hložek
	Přesnost / accuracy:	Index	Změna/Design change	Date
Tolerování / Toleration:			Kreslil / Drawn by	08.12.2021
BRMAERO	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B500000N	
	II	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY	
		Type:	BRISTELL	Index / Revision:
		List / Sheet:	1 / 9	C
		Format / Size:		A2

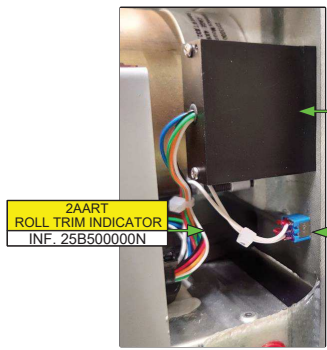
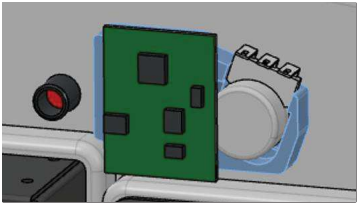
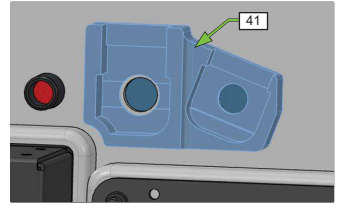


Potentiometer bed assembly:

- Sand down the area on the back of the instrument panel where the potentiometers bed (item position 41) gets attached to make the surface flat and clean it well afterwards.
- Attach the bed to the instrument panel with polyurethane sealant Emfimastic PU 50 (pos.42) and let it hardened for at least 12 hours.
- Insert the LED strip dimmer potentiometer and the multidimmer potentiometer into the bed cavities and mount them to the instrument panel.

Montáž základny pro potenciometry:

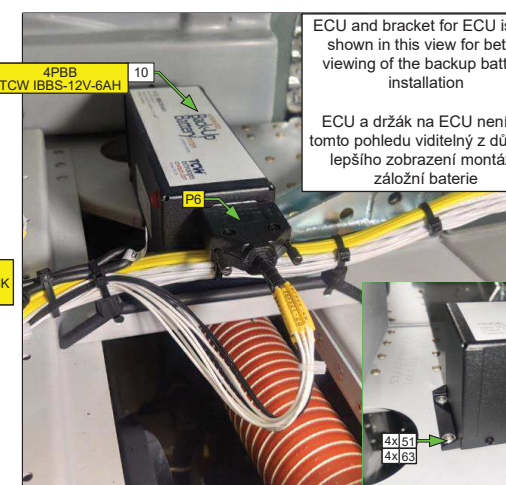
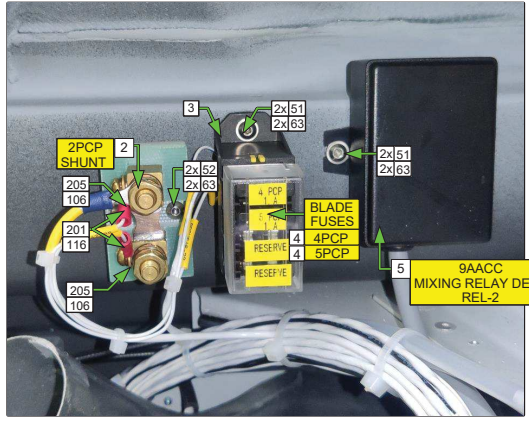
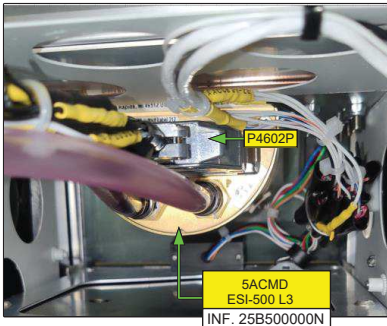
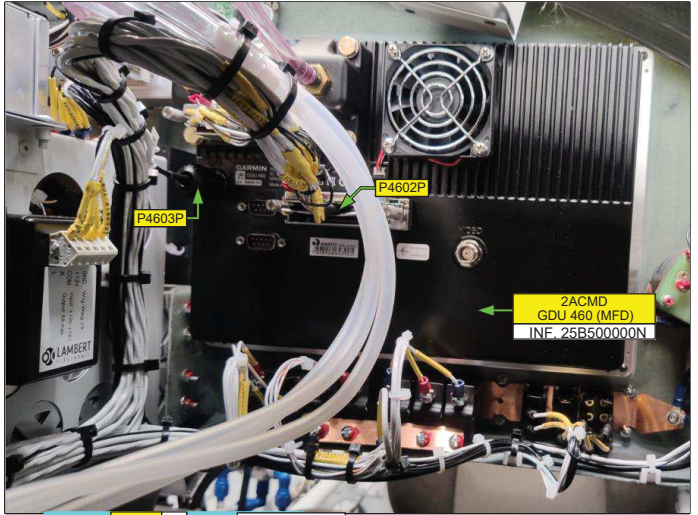
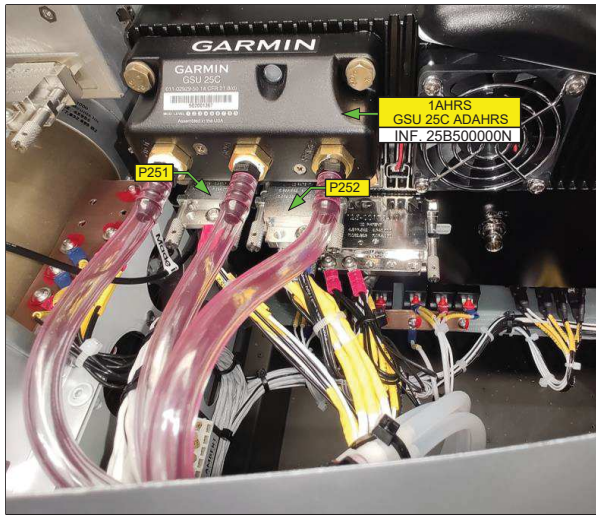
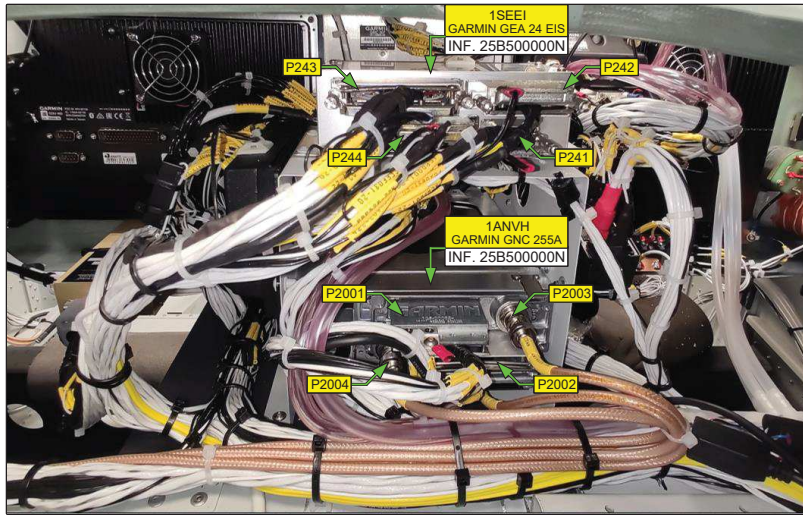
- Osmirkuj povrch na zadní straně přístrojové desky v místě, kam přijde přilepit základna pro potenciometry (pozice 41) do roviny a po té povrch dobře očisti.
- Přilep základnu pro potenciometry k přístrojové desce pomocí polyureteraoého tmelu Emfimastic PU 50 (poz.42) a nechej vytvrdnout po dobu alespoň 12 hodin.
- Vlož potenciometr stímačve LED pásku a potenciometr multidimmeru do příslušných dutin základny a po té potenciometry přišroubuj k přístrojové desce.



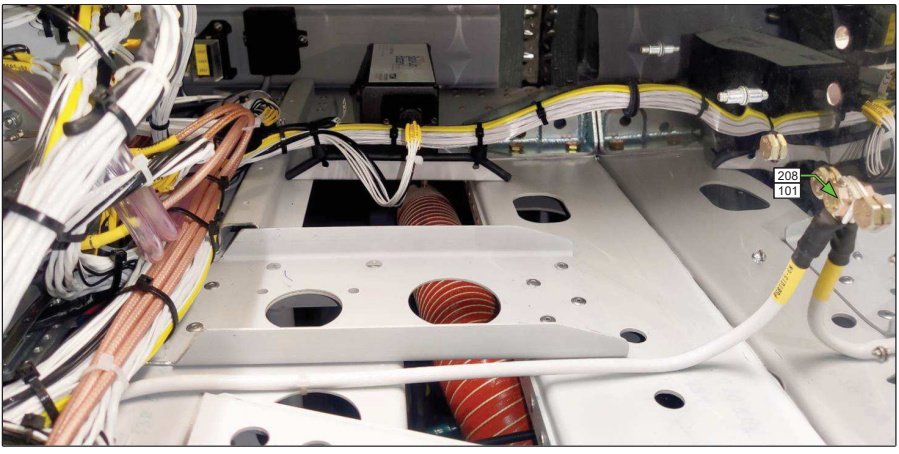
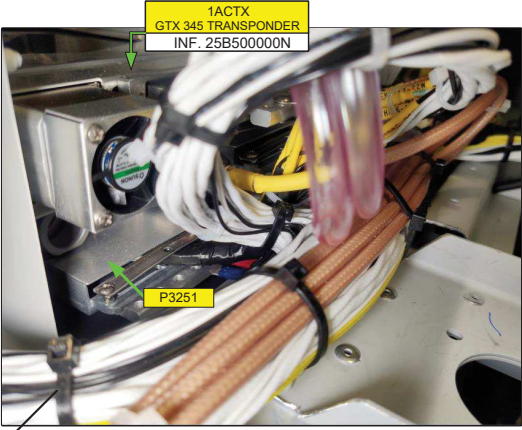
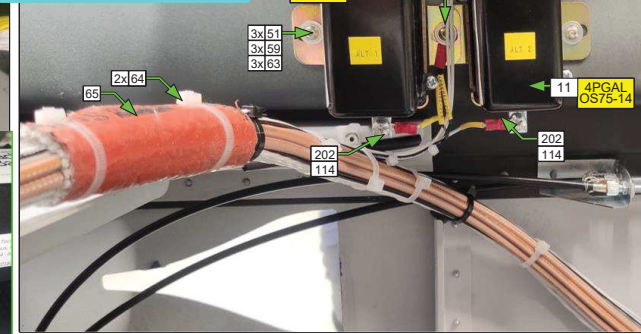
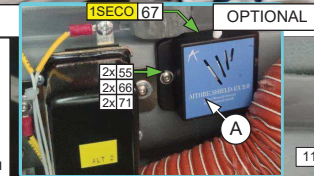
2AAPT
PITCH TRIM INDICATOR
INF. 25B500000N

3PGDI
DAY/NIGHT SWITCH
INF. 25B500000N

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekce / Projection:	C		17.01.2024	B. Hložek
	Délkové rozměry / Units: mm	B		09.12.2022	B. Hložek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Tolerance:		Kreslí / Drawn by	08.12.2021	B. Hložek
BRMAERO		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B500000N	
II		Název / Name:	INSTALACE AVIONIKY SESTAVA		Type: BRISTELL
			AVIONICS INSTALLATION ASSY		Index / Revision: C
			List / Sheet: 2 / 9	Format / Size: A2	

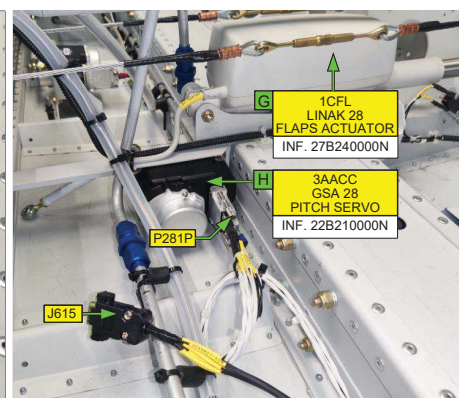
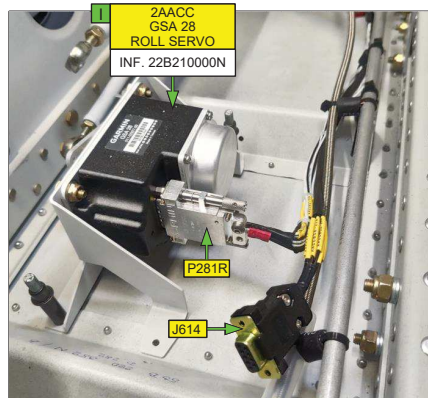
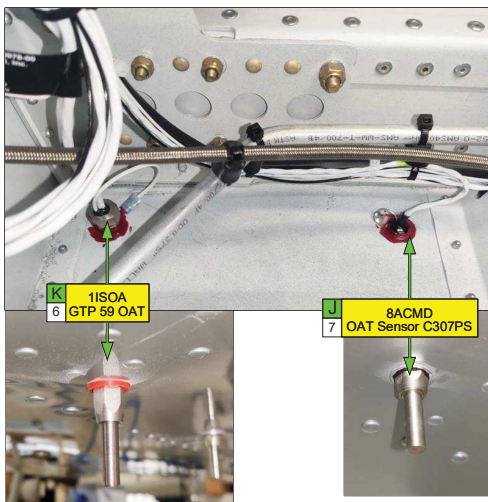
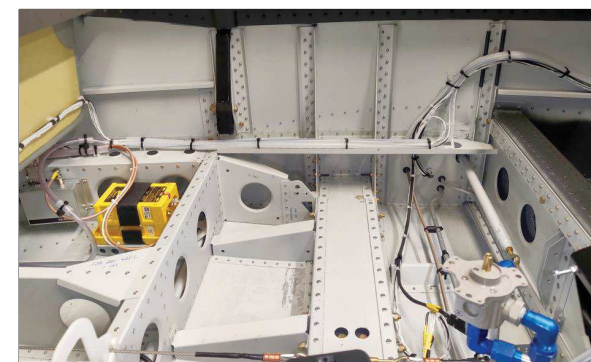
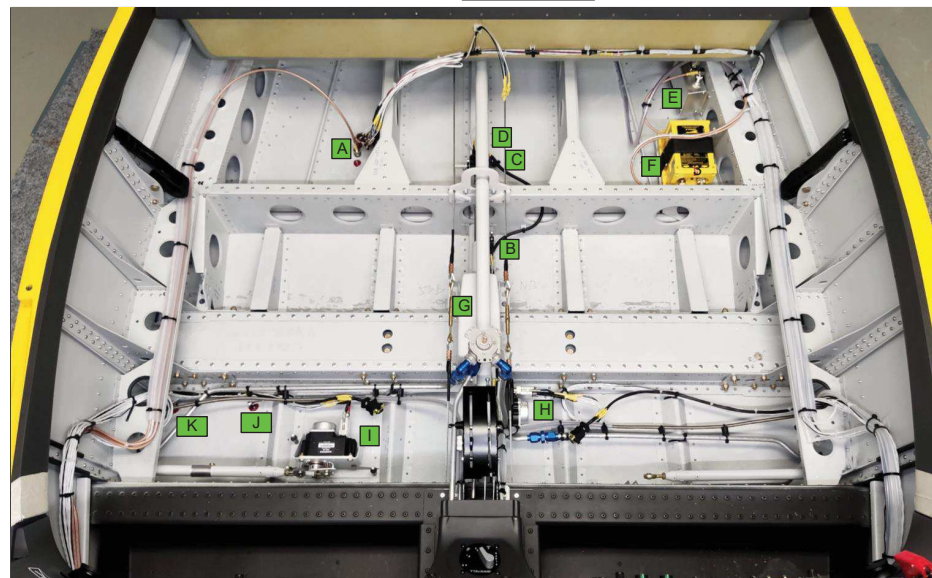
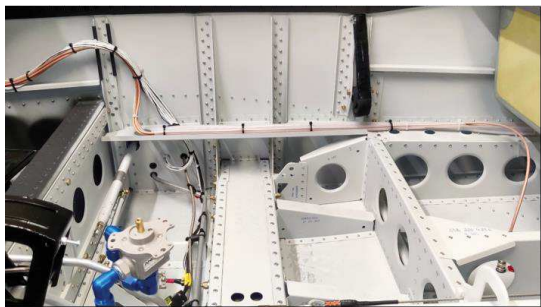
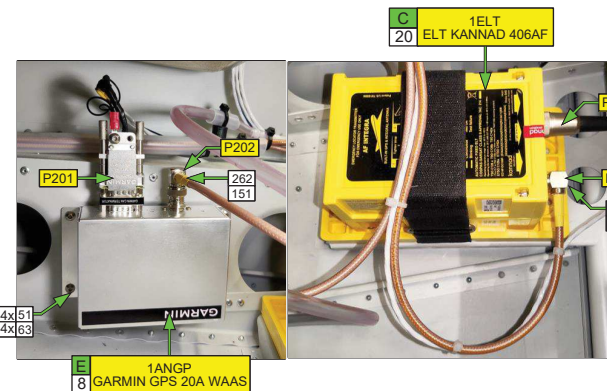
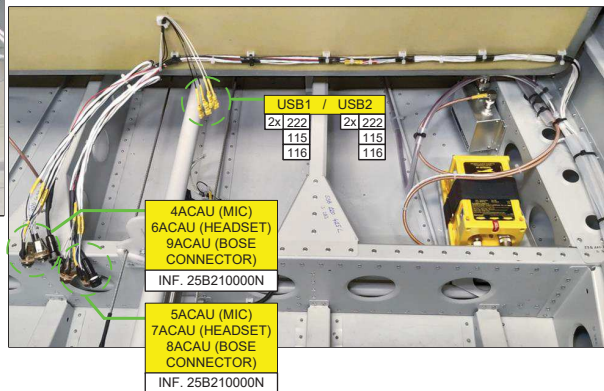
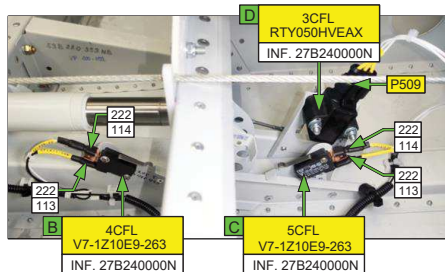
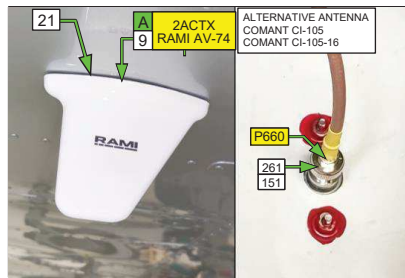


ECU and bracket for ECU is not shown in this view for better viewing of the backup battery installation
 ECU a držák na ECU není na tomto pohledu viditelný z důvodu lepšího zobrazení montáže záložní baterie



A THE CARBON MONOXIDE DETECTOR (CO SENSOR), POS. 67, IS OPTIONALLY INSTALLED BY DC-023 WITH ADXC-73-SB-007. INSTALL WIRING FOLLOWING 34B220025N.
 DETEKTOR OXIDU UHELNATEHO (CO SENZOR), POZ. 67, JE VOLITELNÁ INSTALACE DLE DC-023 S ADXC-73-SB-007. ZAPOJENÍ DLE VÝKRESU 34B220025N.

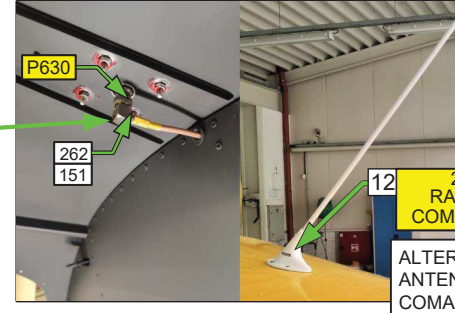
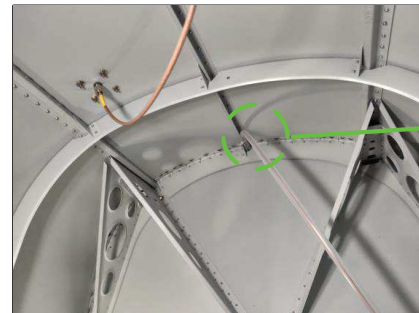
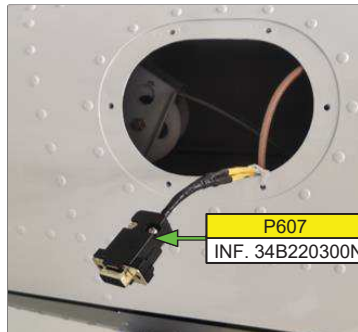
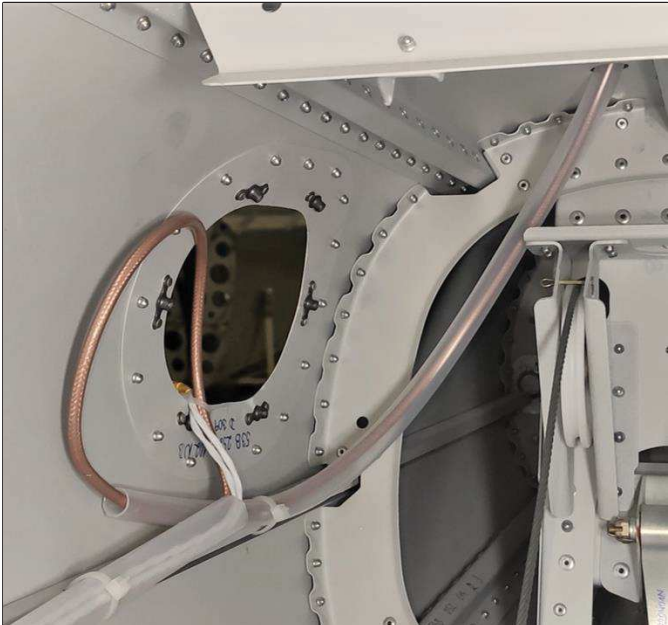
Material:								
Polotovár / Semi-product:								
Úprava povrchu / Finish:								
Hmotnost / Weight (kg):								
Měřítko / Scale:	Projektivní / Projection:	C		17.01.2024	B. Hložek			
	Délkové rozměry / Units: mm	B		09.12.2022	B. Hložek			
1:1	Přesnost / accuracy:	Index		Změna/Design change	Date	Podpis/Signature		
	Tolerování / Tolerance:			Kreslí / Drawn by	08.12.2021	B. Hložek		
BRMAERO	Skupina sled. / Traceability class:	II		Číslo výkresu / Drawing number:	34B500000N		Type: Index / Revision:	
	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		List / Sheet:	3 / 9		Format / Size: A2	



Material:							
Položovar / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Projekční / Projection:		C	17.01.2024	B. Hložek		
	Délkové rozměry / Units: mm		B	09.12.2022	B. Hložek		
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
	Tolerování / Toleration:		Kreslí / Drawn by	08.12.2021	B. Hložek		
Skupina sled. / Traceability class		Číslo výkresu / Drawing number	34B500000N		Type:	Index / Revision:	
II		Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		BRISTELL B-23	C	
					List / Sheet:	Format / Size:	
					4 / 9	A2	

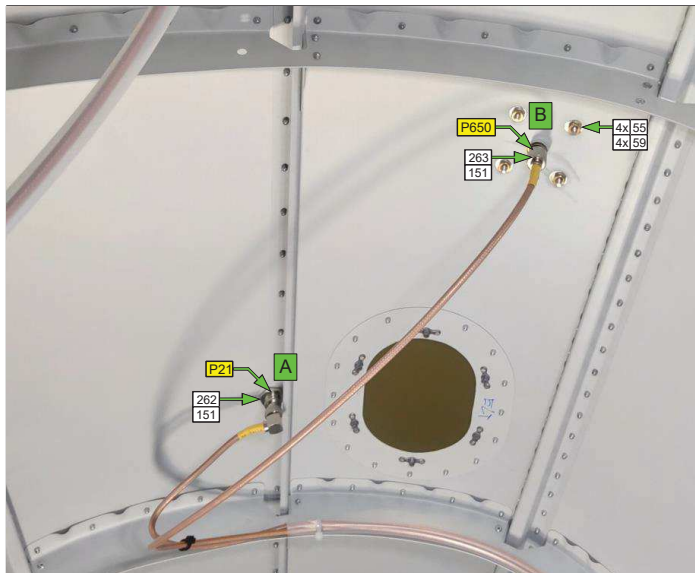
ELECTRICAL CABLE ROUTING IN THE RIGHT BACK PART OF FUSELAGE

VEDENÍ KABELÁŽE V PRAVÉ ZADNÍ ČÁSTI TRUPU

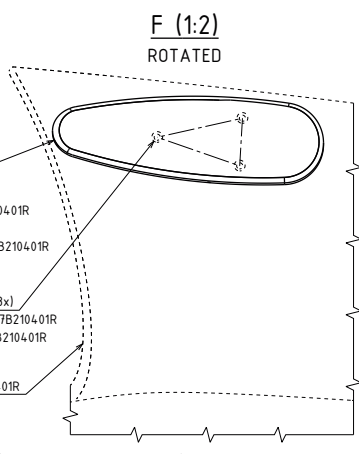
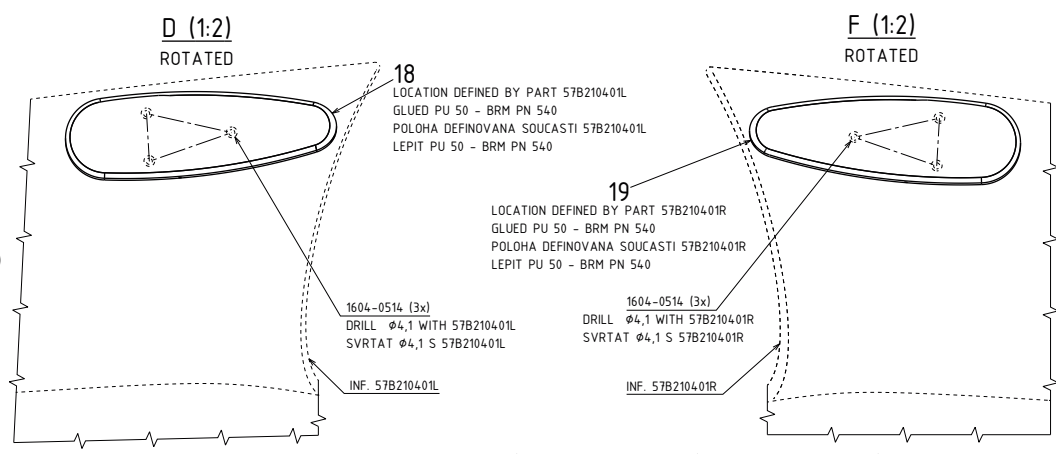
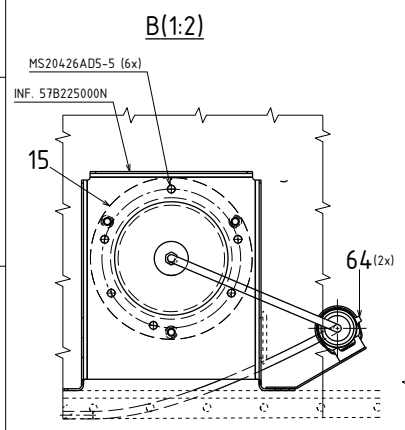
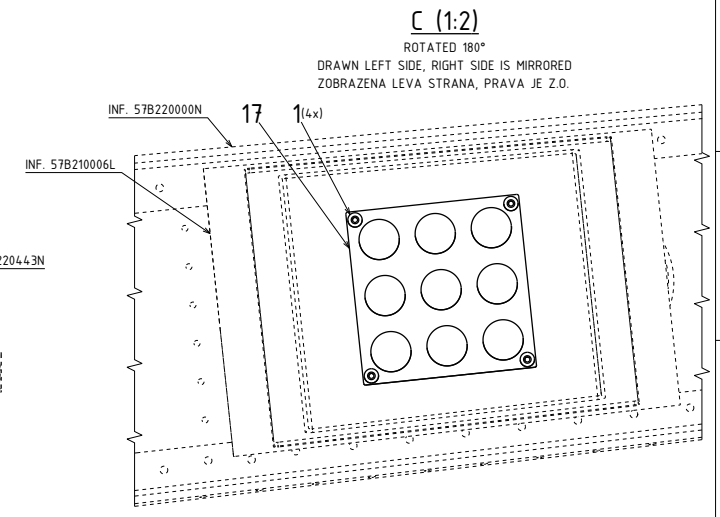
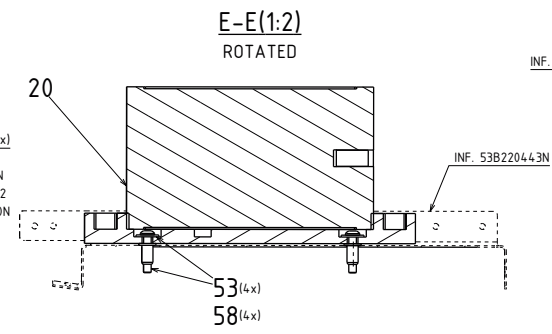
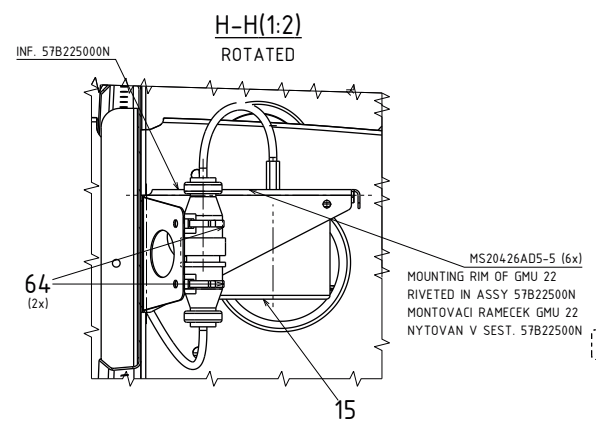
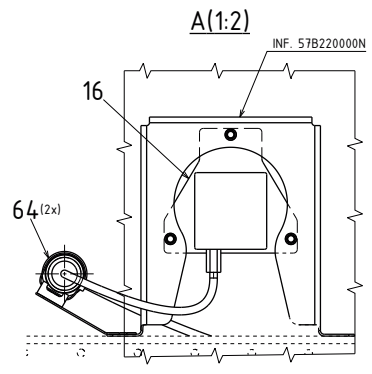
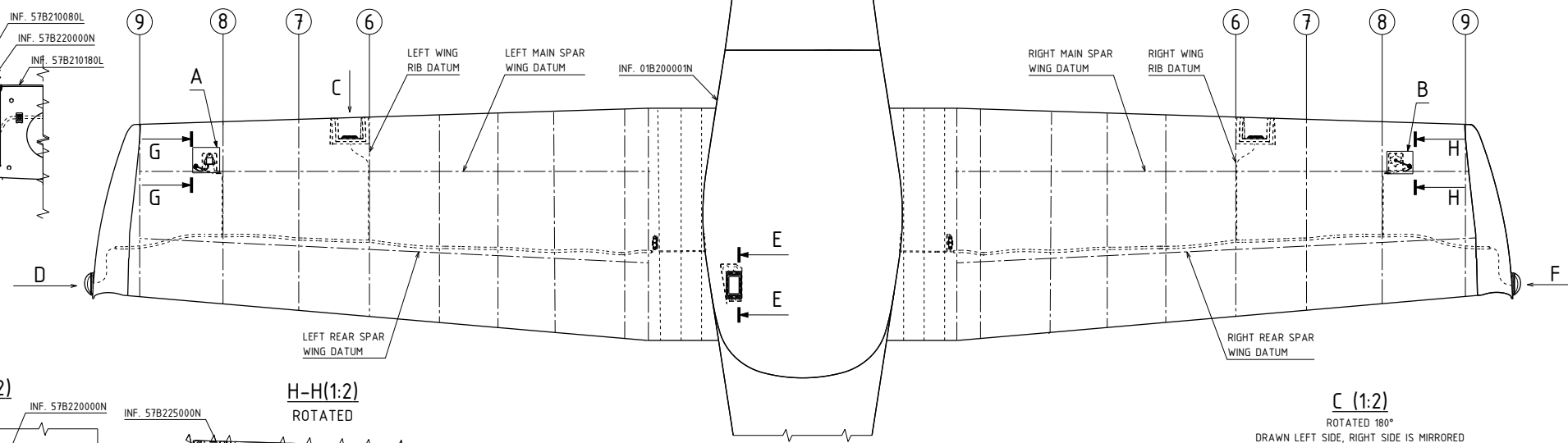
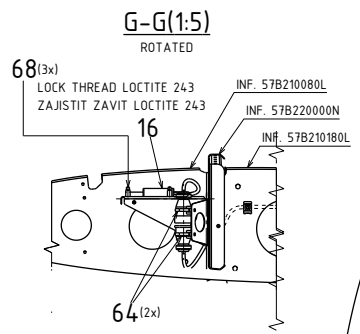


Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítka / Scale:	Promítání / Projection:		C	17.01.2024	B. Hlůšek
	Délkové rozměry / Units: mm		B	09.12.2022	B. Hlůšek
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date
	Tolerování / Toleration:			Kreslil / Drawn by	08.12.2021
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B50000N		Type: BRISTELL B-23
	II	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		List / Sheet: 5 / 9
					Index / Revision: C
					Format / Size: A3

ELECTRICAL CABLE ROUTING IN THE LEFT BACK PART OF FUSELAGE
VEDENÍ KABELÁŽE V LEVÉ ZADNÍ ČÁSTI TRUPU



Material:										
Polotovár / Semi-product:										
Úprava povrchu / Finish:										
Hmotnost / Weight (kg):										
Měřítko / Scale:	Promítání / Projection:	C		17.01.2024	B. Hložek					
	Délkové rozměry / Units: mm	B		09.12.2022	B. Hložek					
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature					
	Tolerování / Toleration:		Kreslil / Drawn by	08.12.2021	B. Hložek					
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B500000N		Type:	Index / Revision:				
	II	Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		BRISTELL B-23	C				
			List / Sheet:	6 / 9	Format / Size:	A2				



Material: --					
Polotovár / Semi-product: ---					
Úprava povrchu / Finish: --					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekce / Projection:	C		17.01.2024	B.Hlúšek
Délkové rozměry / Units: mm		B		9.12.2022	B.Hlúšek
Přesnost / accuracy: ISO 2768 - cL		Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Tolerations: ISO 8015			Kreslil / Drawn by	06.12.2021	P.Kročil
	Skupina sled / Traceability class	Číslo výkresu / Drawing number	<h1>34B500000N</h1>		Type:
	II				Bristell B23-915
Název / Name:	INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		List / Sheet:	(7/9)	Format / Size:
					A2

WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION OF THE ITEMS SHOWN IN THE PICTURES IN 34B200000N
SEZNAM ELEKTRONICKÝCH ZAŘÍZENÍ ZOBRAZENÝCH NA VÝKRESE 34B200000N A K NIM PŘIDUŽENÝCH SCHÉMÁT EL. ZAPOJENÍ

34B200000N_1		
Code	Item	Wiring Diagram
10PGAL	CB - GEN A/B	34B520000N /1.C10
1ACBO	CB - HEADSET BOSSE	34B520000N /2.D4
1CBES	ENGINE START BUTTON	34B520023N / 1.G3
1CSAV	CB - AVIONICS	34B520000N /2.K4
1CSLA	SWITCH - LANE SELECT SWITCH A	34B520023N / 1.G8
1CSLB	SWITCH - LANE SELECT SWITCH B	34B520023N / 1.G5
1CSNV	CB - NAV LIGHTS	34B520000N /2.K6
1CSPT	CB - PITOT HEAT	34B520000N /1.E8
1CSST	CB - STROBE LIGHTS	34B220000N /2.K6
1LILA	IND LIGHT - WARNING LANE A	34B520023N / 1.G7
1LILB	IND LIGHT - WARNING LANE B	34B520023N / 1.G4
1PBB	CB - BCK-PWR	34B520000N /1.C5
1PGAD	CB - ADAHRS (GSU25)	34B520000N /3.K4
1PGAL	SWITCH - GEN A/B	34B520000N /1.E11
1PGCA	CB - BACKUP CAMERA	34B520000N /2.D5
1PGDI	CB - DIMMER	34B520000N /3.K7
1PGFL	CB - FLAPS	34B520000N /3.K3
1PGGE	CB - EIS (GEA24)	34B520000N /3.K6
1PGIC	CB - INTERCOM (PM3000)	34B520000N /2.G6
1PGLD	CB - LDG	34B520000N /1.C9
1PGMD	CB - GDU-1 (PFD)	34B520000N /1.C7
1PGPP	CB - GPS (GPS20)	34B520000N /2.G7
1PGPS	SWITCH - START POWER	34B520000N /1.G3
1PGRP	CB - AUTOPILOT SERVO (APS)	34B520000N /2.G6
1PGTX	CB - XPDR	34B520000N /2.G5
1PGUS	CB - USB1	34B520000N /3.K5
1PGVH	CB - COM	34B520000N /3.K5
2CSPP	SWTCH - FUEL PUMP B	34B520015N /1.H5
2PBB	CB - BACKUP BATTERY	34B520000N /1.C11
2PGAL	SWITCH - ALT C	34B520000N /1.E8
2PGRP	CB - TRIM	34B520000N /1.C8
2PGUS	CB - USB 2	34B520000N /2.G8
2PGVH	CB - NAV	34B520000N /3.K4
3PCP	SWITCH - MASTER	34B520000N /1.E6
3PGBT	CB - BATT	34B520000N /1.C7
3PGMD	CB - GDU-2 (MFD)	34B520000N /2.G7
4PBB	D22-20-06-R0	34B520000N /1.D5
5LELD	SWITCH - WIG-WAG / LDG	34B520017N /1.J4
6PBB	RECTIFYING DIODE	34B520000N /1.D5
5PGAL	CB - GEN A/B CTRL	34B520000N /1.C11
6ACMD	CB - EFIS - L3	34B520000N /2.K4
6PGAL	CB - BUS TIE	34B520000N /1.C10
7PGAL	CB - ALTC CTRL	34B520000N /1.C8
8AACC	CB - AUTOPILOT (AP) GMC307	34B520000N /2.G5
9PGAL	CB - ALTC	34B520000N /1.C9

34B200000N_2		
Code	Item	Wiring Diagram
1ACMD	GDU 460 (MFD)	34B220001N /1.H8 34B220002N /1.H5 34B220005N /1.J6 34B220006N /1.B6
1ACAU	INTERCOM PM3000	34B220006N /1.F6 34B220006N /2.C6
3LIIL	MULTIDIMMER	34B520016N /2.G7
6CFL	DIMBOX	34B520018N /1.E3
3ELT	REMOTE CONTROL PANEL RC200	34B520020N /1H5
1AACC	AUTOPILOT - GMC 307	34B220004N /1B7
2PGEP	IND LIGHT - EXTERNAL POWER	34B520016N /2.J4
7SPH	IND LIGHT - PITOT HEAT	34B520016N /2.J4
3LELD	IND LIGHT - LANDING LIGHTS	34B520016N /2.J3
5EPPP	IND LIGHT - FUEL PUMP	34B250016N /2.J5
3SEFQ	IND LIGHT - MIN FUEL LH	34B250016N /2.J5
4SEFQ	IND LIGHT - MIN FUEL RH	34B250016N /2.J5
2LECW	IND LIGHT - MASTER CAUTION	34B250016N /2.J6
1LECW	IND LIGHT - MASTER WARNING	34B250016N /2.J6
1PGEP	EXTERNAL POWER RELAY	34B520000N /1.H5
4PCP	GEN A/B RELAY	34B520000N /1.F10
4LELD	WIG-WAG	34B220017N /1.G4
2AAPT	PITCH TRIM INDICATOR - RP4	34B220010N /1.H4
2AART	ROLL TRIM INDICATOR - RP4	34B220010N /1.H6
3PGDI	SWITCH - DAY/NIGHT	34B220010N /1.G3

34B200000N_3		
Code	Item	Wiring Diagram
1ANVH	GNC255	34B220003N /1.K8 34B220006N /1.H6
1SEEI	EIS - GEA 24	34B220002N /1.H2 34B220005N /1.M6 34B220009N /1.H6 34B220015N /1.M4 34B520023N /1.B6
1AHRS	GSU 25C	34B220001N /1.M5 34B220002N /1.H3 34B220005N /1.M4 34B220013N /1.B5 34B220001N /1.C8 34B220002N /1.H6 34B220003N /1.L3 34B220004N /1.B8 34B220005N /1.J4 34B220006N /1.H3 34B220013N /1.B4 34B520025N /1.G5
2ACMD	GDU 460 (PFD)	34B520000N /1.H7
2PCP	SHUNT (UMA 1CU4)	34B520000N /1.F7
4PCP	BLADE FUSE 1A	34B520000N /1.F7
5PCP	BLADE FUSE 1A	34B520000N /1.F7
9AACC	MIXING RELAY DECK - REL-2	34B220004N /2.J8
1PBB	BACKUP BATT - IBBS-12V-6AH	34B520000N /3.F5
3PGAL	OVERVOLT SENSOR - OS74-14	34B520000N /1.F11
4PGAL	OVERVOLT SENSOR - OS74-14	34B520000N /1.E3
4PGAL	OVERVOLT SENSOR - OS74-14	34B220000N /1.F8
5ACMD	ESI 500 L-3	34B220008N /1.H6
1ACTX	GTX 345 TRANSPONDER	34B220006N /1.H5 34B220013N /1.F6
1SECO	Carbon Monoxide Detector	34B220025N /1.C5

34B200000N_4		
Code	Item	Wiring Diagram
2ACTX	ANTENNA - RAMI AV-74	34B220013N /1.H6
3CFL	POS. SENSOR - RTY050HVEAX	34B220018N /1.C4
4CFL	LIMIT SW UP - V7-1Z10E9-263	34B220018N /1.D5
5CFL	LIMIT SW DOWN - V7-1Z10E9-263	34B220018N /1.D4
4ACAU	CO-PILOT MIC	34B220006N /2.F5
6ACAU	HEADSET CO-PILOT	34B220006N /2.F4
9ACAU	BOSE CONNECTOR CO-PILOT	34B220006N /2.F3
5ACAU	PILOT MIC	34B220006N /1.D4
7ACAU	HEADSET PILOT	34B220006N /1.D3
8ACAU	BOSE CONNECTOR PILOT	34B220006N /1.D3
1ANGP	GPS 20A ADS-B RECEIVER	34B220005N /1.E4 34B220012N /1.G5 34B220013N /1.C4
1ISOA	GTP 59 OAT PROBE	34B220001N /1.F2
8ACMD	C307PS OAT SENSOR	34B220008N /1.E3
2AACC	ROLL SERVO - GSA 28	34B220004N /1.M8 34B220005N /1.G6
1CFL	ACTUATOR LINAK 28	34B220018N /1.B6 34B220004N /1.M4
3AACC	PITCH SERVO - GSA 28	34B220004N /3.H2 34B220005N /1.G4

34B200000N_5		
Code	Item	Wiring Diagram
2ANVH	RAMI AV-10 ANTENNA COM	34B220003N /1.M7

34B200000N_6		
Code	Item	Wiring Diagram
2ELT	RAMI AV-200	34B220020N /1.B5
1ANGP	GARMIN GA 35 GPS ANTENNA	34B220012N /1.G6

Material:						
Polotovár / Semi-product:						
Úprava povrchu / Finish:						
Hmotnost / Weight (kg):						
Měřítka / Scale:	Promítání / Projection:		c	17.01.2024	B. Hlúšek	
	Délkové rozměry / Units: mm		B	09.12.2022	B. Hlúšek	
	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:			Kreslil / Drawn by	08.12.2021	B. Hlúšek
	Skupina sled. / Traceability class	II	Číslo výkresu / Drawing number	34B500000N		
	Název / Name:	INSTALACE AVIONIKY SESTAVA		Type:	BRISTELL	
			AVIONICS INSTALLATION ASSY	List / Sheet:	B-23	
				8 / 9	Index / Revision:	
					C	
					Format / Size:	
					A3	

M	L	K	J	H	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	8	34B200110N	B.1	SROUB M4x20 ČERNÝ ZINEK	BOLT M4x20 BLACK ZINC
2	1	909-D0000-00	A.1	GARMIN G3X AMPERMETR-BOČNIK	GARMIN AMMETER AND SHUNT PROBE
3	1	646715	A.1	DRŽAK PRO POJISTKY	FUSE HOLDER
4	3	NOZOVA POJISTKA 1A	A.1	NOZOVA AUTOPOJISTKA 1A	BLADE FUSE 1A
5	1	CT RELAY DECK	A.1	RELE OVLADANI TRIMU	TRIM RELAY
6	1	11-00978-00	A.1	CIDLO VENKOVNI TEPLoty GTP 59	TEMPERATURE SENSOR GTP 59
7	1	11-04603	A.1	TEPLOJNI CIDLO C307PS	TEMPERATURE SENSOR C307PS
8	1	10-01546-00	A.1	GPS 20A	GPS 20A
9	1	11-05846	A.1	AV-74	AV-74
10	1	TCW IBBS-12V-6AH	A.1	INTEGROVANA BACK-UP BATERIE	BACK-UP BATTERY
11	2	0575-14	A.1	PREPETOVY SNIMAC	OVERVOLTAGE SENSOR
12	1	AV-10-11-12500	A.1	VHF ANTENA RAMI	RAMI VHF ANTENNA
13	1	AV-200	A.1	ELT ANTENA RAMI	RAMI ELT ANTENNA
14	1	013-00235-00	A.1	GPS ANTENA GARMIN GA 35	GARMIN GPS ANTENNA GA 35
15	1	GMU 22	A.1	MAGNETOMETR (GARMIN)	MAGNETOMETER (GARMIN)
16	1	MAG-500	A.1	MAGNETOMETR (L3 AVIATION PRODUCTS)	MAGNETOMETER (L3 AVIATION PRODUCTS)
17	2	LED REFLEKTOR CTHV_V3	A.1	PRISTAVACI SVETLO	LANDING LIGHT
18	1	OR6001R	A.1	SVETLO CERVENE (WHELEN)	WINGTIP RED LIGHTING (WHELEN)
19	1	OR6001G	A.1	SVETLO ZELENE (WHELEN)	WINGTIP GREEN LIGHTING (WHELEN)
20	1	ELT_KANNAD_406_AF	A.1	ELT	ELT
21	1	34B200015N	A.1	TESNENI ANTENY	ANTENNA GASKET
22	36	M4x12 ISO7380-2 A2	A	SROUB	BOLT
23	2	M4x16 ISO7380-1 A2	A.1	SROUB	BOLT
24	4	M4x20 ISO7380-1 A2	A.1	SROUB	BOLT
25	1	M6x16 ISO7380-1 A2	A	SROUB	BOLT
26	4	NAS671-8	A.1	MATICE	NUT
27	19	M4 DIN985 ZN	A	SAMOJISTNA MATICE	S. L. NUT
28	1	M6 DIN985 ZN	A	SAMOJISTNA MATICE	S. L. NUT
29	7	4,3 DIN9021 ZN	A.1	PODLOZKA	WASHER
30	25	4,3 DIN125A ZN	A	PODLOZKA	WASHER
31	1	6,4 DIN125A ZN	A	PODLOZKA	WASHER
32	6	1604-0514	A	NYT TRNOVY 4,0x11,2	RIVET 4,0x11,2
33	6	MS20426AD 5-5	A.1	NYT 5/32"x5/16"	SOLID RIVET 5/32"x5/16"
34	19	9407-40300	A	M4 NYTOVACI MATICE, PLOCHA HLAVA	M4 RIVET NUT, FLAT HEAD, ST
35	8	127870000	A.1	STAHOVACI PASKA CB 140/3,6 BLACK (WEIDMULLER)	CABLE TIE CB 140/3,6 BLACK (WEIDMULLER)
36	1	2650-14	A.1	OCHRANNY NAVLEK 0,88" x 0,125"	STRATOPLEX FIRESLEEVE 0,88" x 0,125"
37	1	243	A	LOCTITE	LOCTITE
38	1	ASCOX2002	A.1	DETEKTOR OXIDU UHELNATEHO	CARBON MONOXIDE DETECTOR
39	3	M4x16 CU2 DIN 933	A.1	SROUB	BOLT
40	1	34B500010N	A.1	CHLADIC USMERNOVACI DIODY	RECTIFYING DIODE COOLER
41	1	25B200060N	A.1	ZAKLADNA PRO POTENCIOMETRY	POTENCIOMETER BED
42	1	PU 50	A.1	EMFIMASTIC	-

G	F	E	D	C	B	A
Poz./Item No.	Mn./Q.	PN	NÁZEV	NAME		
201		RF-M4	GP OKO PVC LIS. 0.5-1.5 RF-M4	GP RING PVC PRESS. 0.5-1.5 RF-M4		
202		RF-M5	GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS. 0.5-1.5 RF-M5		
203		RF-M6	GP OKO PVC LIS. 0.5-1.5 RF-M6	GP RING PVC PRESS. 0.5-1.5 RF-M6		
204		BF-M4	GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS. 1.5-2.5 BF-M4		
205		BF-M6	GP OKO PVC LIS. 1.5-2.5 BF-M6	GP RING PVC PRESS. 1.5-2.5 BF-M6		
206		GF-M4	GP OKO PVC LIS. 10-12 GF-M4	GP RING PVC PRESS. 10-12 GF-M4		
207		GF-M6	GP OKO PVC LIS. 10-12 GF-M6	GP RING PVC PRESS. 10-12 GF-M6		
208		CU 16-6 KU-L	GP OKO KABEL.TR. CU 16-6 KU-L	GP RING CABLE TR. CU 16-6 KU-L		
209		CU 16-8 KU-L	GP OKO KABEL.TR. CU 16-8 KU-L	GP RING CABLE TR. CU 16-8 KU-L		
210		CU 10-4 KU-SP	GP OKO KABEL TR. CU 10-4 KU-SP	GP RING CABLE TR. CU 10-4 KU-SP		
211		CU 10-6 KU-SP	GP OKO KABEL TR. CU 10-6 KU-SP	GP RING CABLE TR. CU 10-6 KU-SP		
212		GF-M5	GP OKO PVC LIS. 10-12 GF-M5	GP RING PVC PRESS. 10-12 GF-M5		
221		RF-F408	GP KONEKT. PVC LIS.PLO.RF-F 408	GP CONECT. PVC PRESS.PLO.RF-F 408		
222		RF-F608	GP KONEKT. PVC LIS.PLO.RF-F 608	GP CONECT. PVC PRESS.PLO.RF-F 608		
223		RF-F608P	GP KONEKT. PVC LIS.PLO.RF-F 608P	GP CONECT. PVC PRESS.PLO.RF-F 608P		
224		BF-F608	GP KONEKT. PVC LIS.PLO.BF-F 608	GP CONECT. PVC PRESS.PLO.BF-F 608		
225		GF-F608	GP KONEKT. PVC LIS.PLO.GF-F 608	GP CONECT. PVC PRESS.PLO.GF-F 608		
226		1226299	FASTON ZASTRCKA 6.3x0.8	2 MALES 6,3X0,8 CONNECTOR		
231		DI 1.0-8	DUTINKA LISOVACI S IZOLACI	FERRULE-AL 0,25-6YE		
241		650-S0101R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING		
242		650-S0102R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING		
243		650-S0103R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING		
261		BNC-VK 50C-RG58	KONEKTOR BNC-VK50-RG58	BNC STRAIGHT PLUG CRIMP RG58		
262		BNC-C 50 V90	KONEKTOR BNC 5MM KRIMPOVACI V90 RG58	BNC RIGHT ANGLE PLUG CRIMP RG58		
263		TNC-VKC-RG58	KONEKTOR TNC-VKC-RG58	TNC PLUG CRIMP RG58		

CHANGE VERSUS ISSUE B:
 POS. 41: ADDED POTENCIOMETER BED
 POS. 42: ADDED EMFIMASTIC PU 50

ZMENY VUCI REVIZI B:
 POS. 41: PRIDANA ZAKLADNA PRO POTENCIOMETRY
 POS. 42: PRIDAN EMFIMASTIC PU 50



Poz./Item No.	Mn./Q.	PN Kabel/Cable	PN Vodič/Wire	NÁZEV	NAME
101	-	-	M22759/16 6-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
102	-	-	M22759/16 8-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
103	-	-	M22759/16 10-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
104	-	-	M22759/16 10-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
105	-	-	M22759/16 12-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
106	-	-	M22759/16 12-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
107	-	-	M22759/16 14-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
108	-	-	M22759/16 14-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
109	-	-	M22759/16 16-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
110	-	-	M22759/16 16-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
111	-	-	M22759/16 18-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
112	-	-	M22759/16 18-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
113	-	-	M22759/16 20-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
114	-	-	M22759/16 20-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
115	-	-	M22759/16 22-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
116	-	-	M22759/16 22-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
151		M17/128-RG400		KABEL KOAXIAL	COAXIAL CABLE
152		42525		KABEL K CIDLU ALCO EGT	EGT TYPE K EXTENSION LEAD, 90°
153		M27500-18SB1T23		KABEL S IZOLACI	SHIELDED CONDUCTOR WITH XLETFE INS.
154		M27500-20 TG 2T14		KABEL S IZOLACI ETFE, NEMA/MS	MULTICONDUCTOR SHIELDED, JACKETED
155		M27500-20 TG 3T14		KABEL S IZOLACI ETFE	MULTICONDUCTOR SHIELDED, JACKETED
156		M27500-22 TG 2T14		KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED
157		M27500-22 TG 3T14		KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED

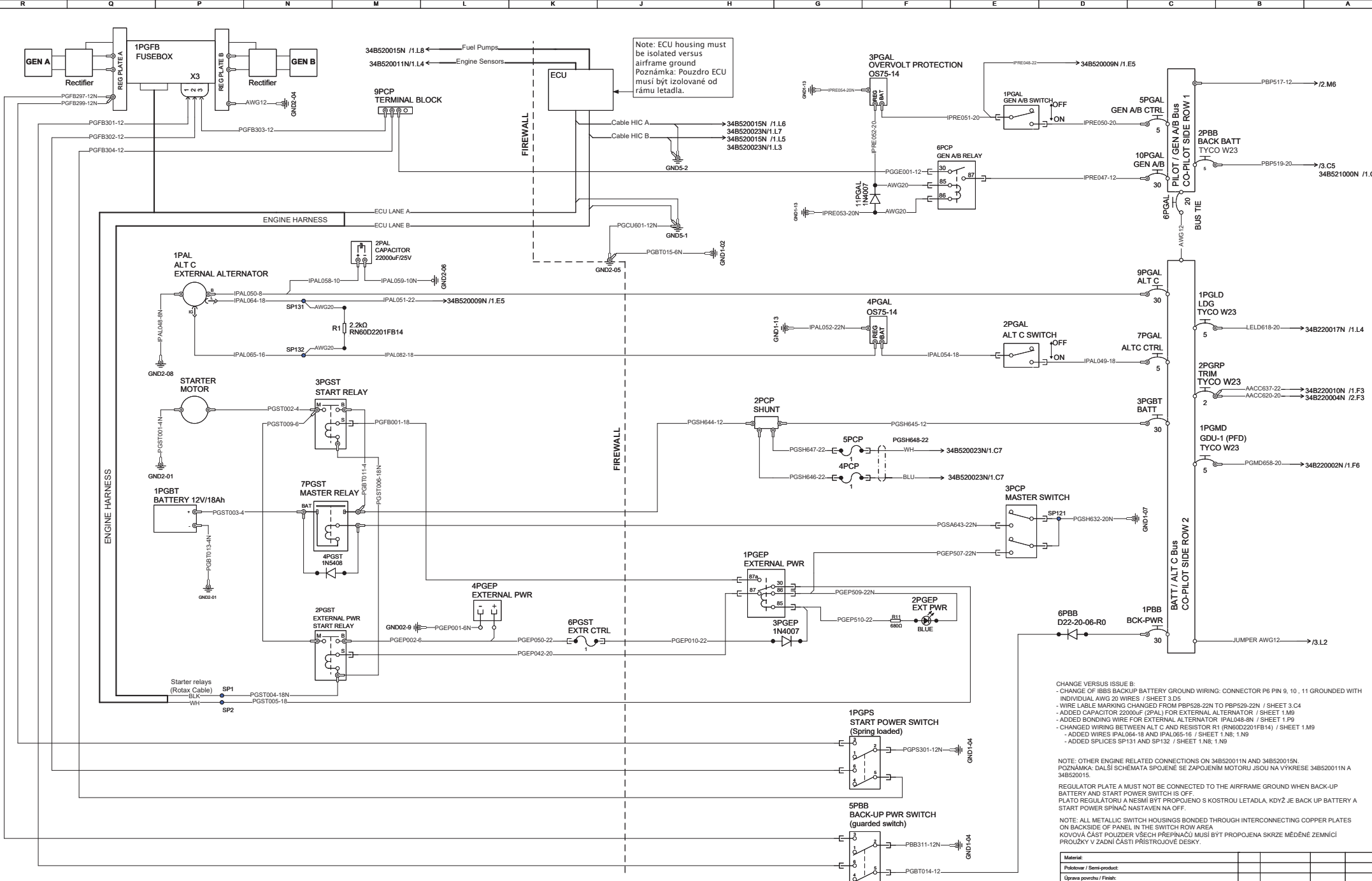
* ALTERNATIVE ANTENNA COMAT CI-105-16:
 USE ANTENNA GASKET 34B200015N

** ALTERNATIVNI ANTENNA COMAT CI-105-16:
 POUZIJ TESNENI ANTENY 34B200015N

* ALTERNATIVE ANTENNA CI-121: USE ATTACHMENT HARDWARE
 DELIVERED WITH THE ANTENNA
 IF NO HARDWARE MATERIAL IS SUPPLIED WITH THE ANTENNA USE:
 4x BOLT - M4x16 DIN 7991 A2
 4x WASHER - 4.3 DIN 125A ZN
 4x LOCKNUT - M4 DIN 985 ZN

** ALTERNATIVNI ANTENNA CI-121: POUZIJ SPOJOVACI MATERIAL, KTERY JE SOUCASTI BALENI ANTENY
 POKUD SE TENTO MATERIAL V BALENI NENACHAZI POUZIJ:
 4x BOLT - M4x16 DIN 7991 A2
 4x WASHER - 4.3 DIN 125A ZN
 4x LOCKNUT - M4 DIN 985 ZN

Material: --					
Polotovár / Semi-product: ---					
Úprava povrchu / Finish: --					
Hmotnost / Weight (kg): -					
Měřítko / Scale:	Projekce / Projection: 	C		17.01.2024	B.Hlůšek
	Délkové rozměry / Units: mm	B		9.12.2022	B.Hlůšek
1:20	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Tolerance: ISO 8015		Kresil / Drawn by	06.12.2021	B. Hlůšek
	Skupina sled / Traceability class	Číslo výkresu / Drawing number	34B500000N		Type: Index / Revision:
	II		INSTALACE AVIONIKY SESTAVA AVIONICS INSTALLATION ASSY		Bristell B23-915 List / Sheet: [9/9] Format / Size: A2



Note: ECU housing must be isolated versus airframe ground
 Poznámka: Pouzdro ECU musí být izolované od rámu letadla.

CHANGE VERSUS ISSUE B:
 - CHANGE OF IBBS BACKUP BATTERY GROUND WIRING: CONNECTOR P6 PIN 9, 10, 11 GROUNDED WITH INDIVIDUAL AWG 20 WIRES / SHEET 3.D5
 - WIRE LABEL MARKING CHANGED FROM PBP528-22N TO PBP529-22N / SHEET 3.C4
 - ADDED CAPACITOR 22000µF (2PAL) FOR EXTERNAL ALTERNATOR / SHEET 1.M9
 - ADDED BONDING WIRE FOR EXTERNAL ALTERNATOR IPAL048-SN / SHEET 1.P9
 - CHANGED WIRING BETWEEN ALT C AND RESISTOR R1 (RN60D2201FB14) / SHEET 1.M9
 - ADDED SPLICES SP131 AND SP132 / SHEET 1.N8; 1.N9

NOTE: OTHER ENGINE RELATED CONNECTIONS ON 34B520011N AND 34B520015N.
 POZNÁMKA: DALŠÍ SCHÉMATA SPOJENÉ SE ZAPOJENÍM MOTORU JSOU NA VÝKRESE 34B520011N A 34B520015.
 REGULATOR PLATE A MUST NOT BE CONNECTED TO THE AIRFRAME GROUND WHEN BACK-UP BATTERY AND START POWER SWITCH IS OFF.
 PLATO REGULÁTORU A NESMÍ BYT PROPOJENO S KOSTROU LETADLA, KDYŽ JE BACK UP BATTERY A START POWER SPÍNAČ NASTAVĚN NA OFF.

NOTE: ALL METALLIC SWITCH HOUSINGS BONDED THROUGH INTERCONNECTING COPPER PLATES ON BACKSIDE OF PANEL IN THE SWITCH ROW AREA
 KOVOVÁ ČÁST POUZDER VŠECH PŘEPÍNAČŮ MUSÍ BYT PROPOJENA SKRZ MĚDĚNÉ ZEMNÍCÍ PŘOÚZKY V ZADNÍ ČÁSTI PŘÍSTROJOVÉ DESKY.

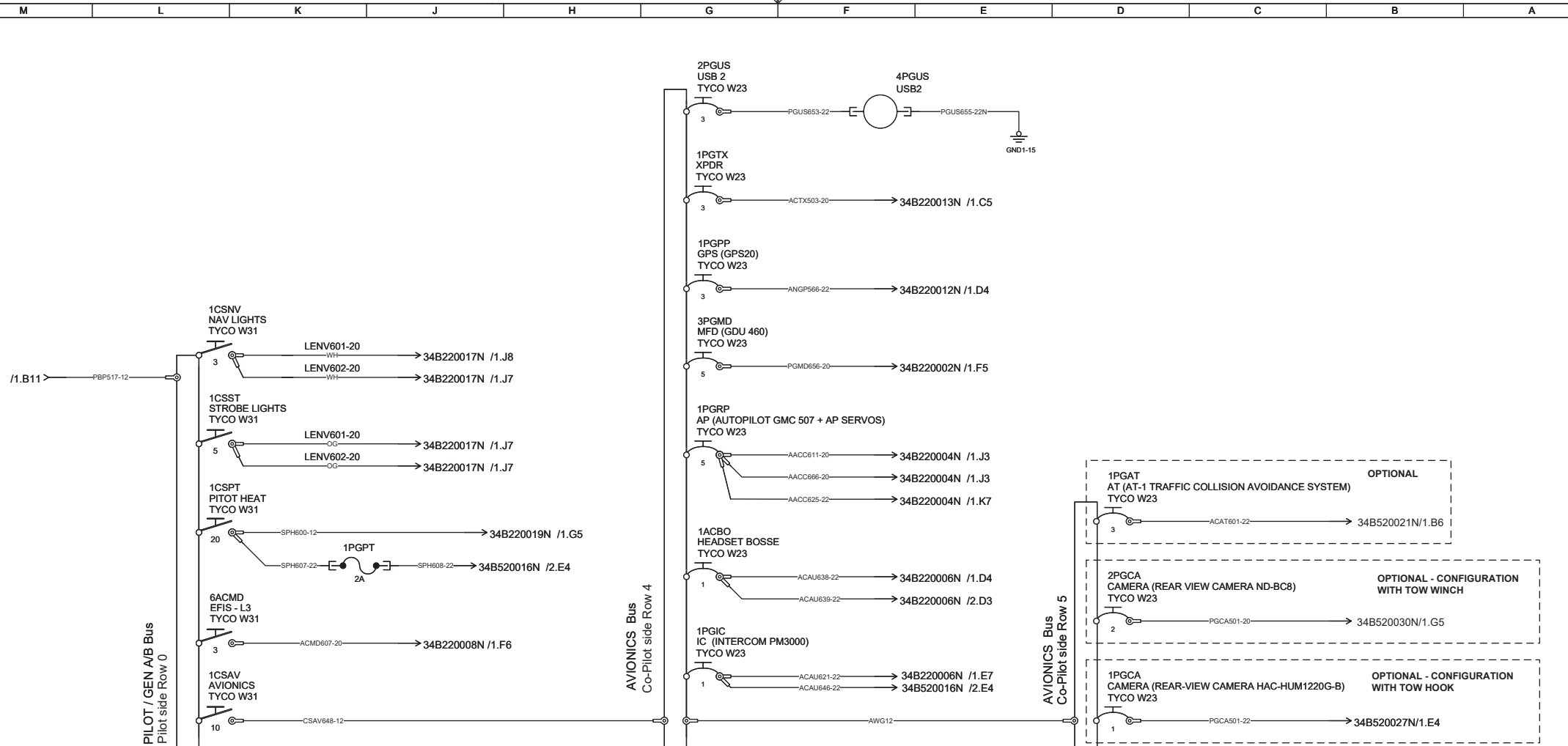
34B220002N G3X DC EL POWER
 34B220004N G3X AUTOPILOT
 34B520009N G3X Discrete in/out

34B220010N G3X TRIM POSITION
 34B220017N External Lights
 34B520023N Engine Harness Interface Connectors

USED WIRE:
 M22759/16-(AWG)-9
 M27500-22TG2T14

WIRE SPLICE CONNECTION
 SHIELD BLOCK GROUND
 AIRCRAFT GROUND

Materiál:					
Položka / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Mřížko / Scale:	Projekční / Projection:	c		07.09.2023	B. Hůček
Délkové rozměry / Units: mm		b		02.02.2022	B. Hůček
Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature	
Tolerování / Tolerance:		Kreslil / Drawn by	30.11.2021	B. Hůček	
Skupina sled / Traceability class:	Ořez výřezu / Truncation number:	34B520000N		Type:	BRISTELL
		SYSTEM NÁPAJENÍ ROTAX 915		List / Sheet:	B-23
II	Název / Name:	ROTAX 915 ELECTRICAL POWER SYSTEM ROTAX 915		1 / 4	A1

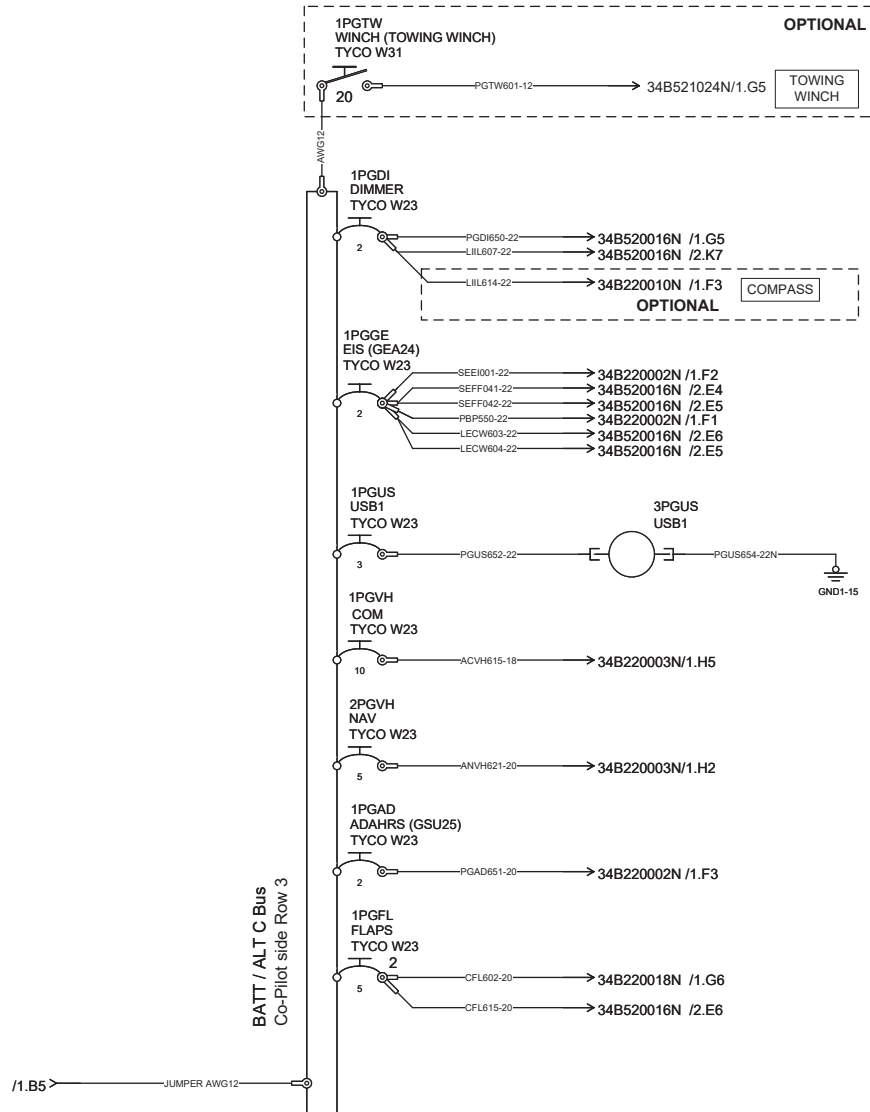


- | | |
|--------------------------------|-------------------------------|
| 34B220000N EI. POWER | 34B220013N TRANSPONDER GTX345 |
| 34B220002N G3X DC EI. POWER | 34B220015N FUEL |
| 34B220004N G3X AUTOPILOT | 34B220016N INTERNAL LIGHTS |
| 34B220006N G3X INTERCOM | 34B220017N EXTERNAL LIGHTS |
| 34B220008N STANDBY INSTRUMENTS | 34B220019N PITOT HEAT |
| 34B220012N G3X GPS | |

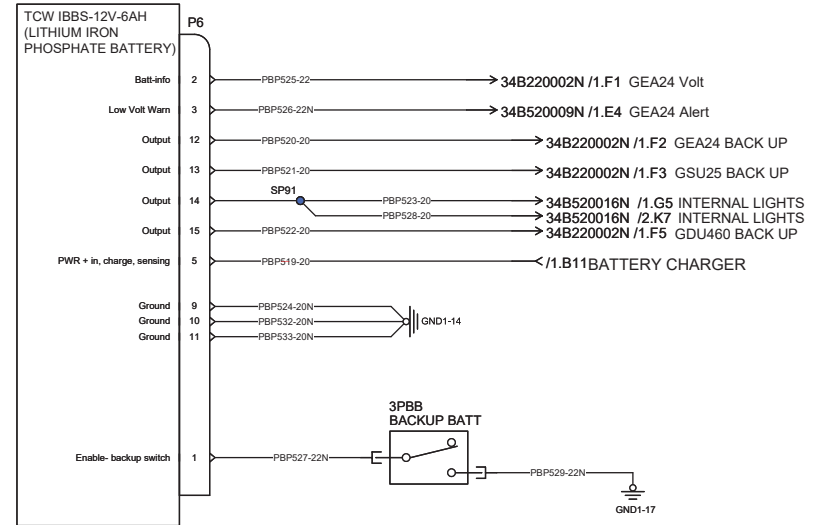
USED WIRE:
M22759/16-XX-9

Note: all metallic switch housings bonded through interconnecting copper plates on backside of panel in the switch row area
 Poznámka: všechna kovová pouzdra jističů, pojistek a spínačů jsou společně propojena pomocí měděných plíšků za přístrojovou deskou

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:		C	07.09.2023	B. Hlůšek
1:1	Délkové rozměry / Units: mm		B	02.02.2022	B. Hlůšek
	Přesnost / accuracy:		Index	Změna/Design change	Date
	Tolerování / Tolerance:			Kreslí / Drawn by	30.11.2021
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B520000N		Type: Index / Revision:
	II	Název / Name:	SYSTÉM NAPÁJENÍ ROTAX 915 ELECTRICAL POWER SYSTEM ROTAX 915		BRISTELL B-23 C
			List / Sheet:	Format / Size:	
			2 / 4	A2	



4PBB
TCW IBBS-12V-6AH



ESSENTIAL BUS

- 34B220001N G3X ADAHRS/ DISPLAY
- 34B220003N G3X COM NAV
- 34B220009N G3X DISCRETE IN/OUT
- 34B220011N G3X ENGINE SENSORS
- 34B220016N Internal Lights
- 34B220018N FLAPS
- 34B521024N TOWING WINCH



USED WIRE:
M22759/16-XX-9

- WIRE SPLICE CONNECTION
- SHIELD BLOCK GROUND
- AIRCRAFT GROUND

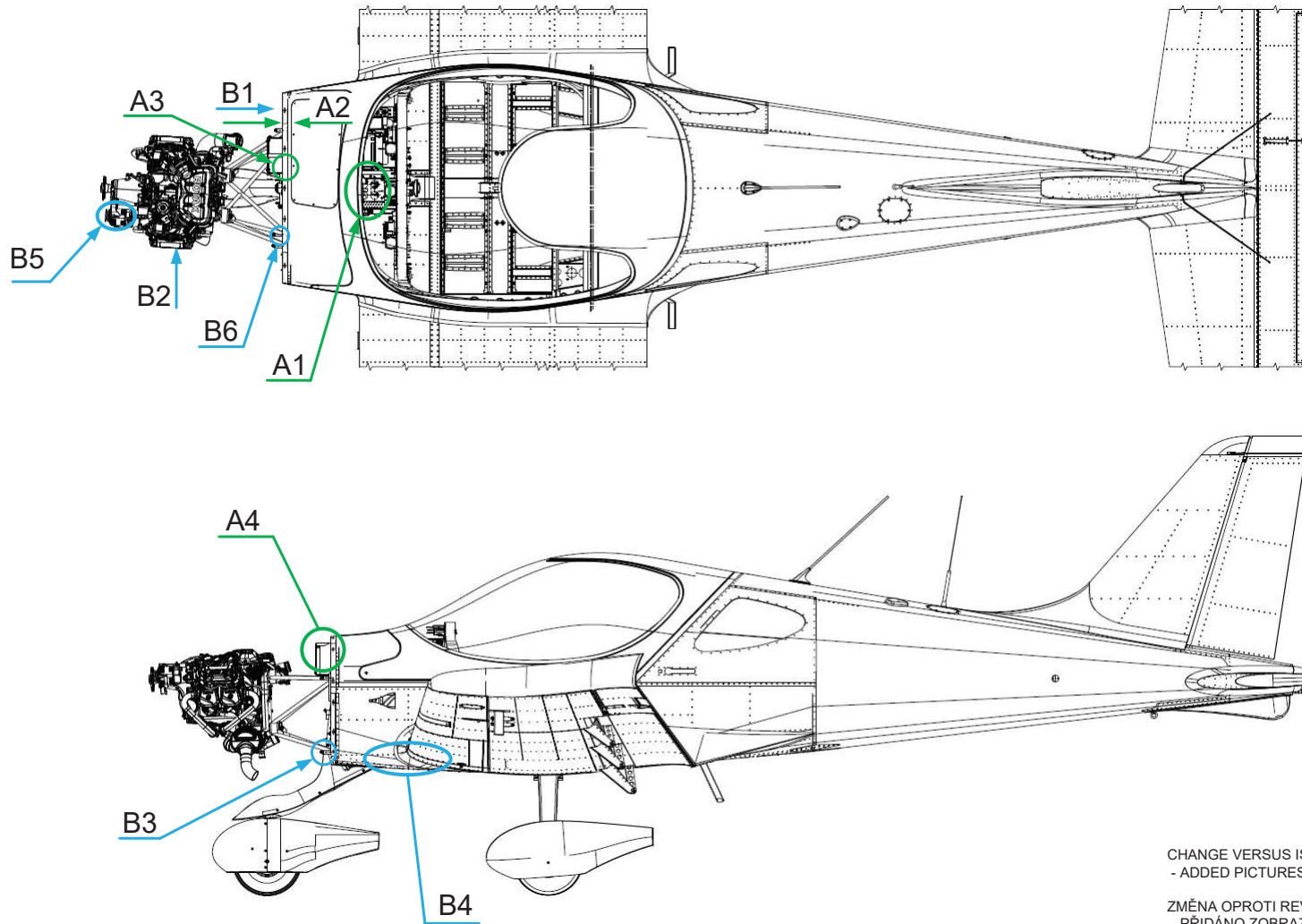
Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekční / Projection:	c		07.09.2023	B. Hložek
1:1	Délkové rozměry / Units: mm	B		02.02.2022	B. Hložek
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslí / Drawn by	30.11.2021	B. Hložek
Skupina sled. / Traceability class		Číslo výkresu / Drawing number		Type: Index / Revision:	
II		34B520000N		BRISTELL B-23 C	
Název / Name:		SYSTÉM NAPÁJENÍ ROTAX 915		List / Sheet:	Format / Size:
		ELECTRICAL POWER SYSTEM ROTAX 915		3 / 4	A2


Used material:


WIRES		WIRES		CABLES		COMPONENTS		COMPONENTS	
Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N
AACC611-20	M22759/16 20-9	PBP524-20N	M22759/16 20-0	PGSH648-22	M27500-22 TG 2T14	1PGCA	11-03923	3PGMD	11-03929
AACC620-20	M22759/16 20-9	PBP525-22	M22759/16 22-9	LENV601-20	M27500-20 TG 3T14	1PGDI	11-03926	3PGST	992818
AACC625-22	M22759/16 22-9	PBP526-22N	M22759/16 22-0	LENV602-20	M27500-20 TG 3T14	1PGEP	STU 46002	3PGUS	STU 34551
AACC637-22	M22759/16 22-9	PBP527-22N	M22759/16 22-0			1PGFB	915113	4PBB	IBBS-12V-6AH
AACC666-20	M22759/16 20-9	PBP528-20	M22759/16 20-9	SPLICES		1PGFL	11-03929	4PCP	EAN 8595128241739
ACAT601-22	M22759/16 22-9	PBP529-22N	M22759/16 22-0	Designation	Manufacturer P/N	1PGGE	11-03926	4PGAL	LAMAR OS75-14
ACAU621-22	M22759/16 22-9	PBP532-20N	M22759/16 20-0	SP1	S01-02-R	1PGIC	11-03923	4PGST	1N5408
ACAU638-22	M22759/16 22-9	PBP533-20N	M22759/16 20-0	SP2	S01-02-R	1PGLD	11-03929	4PGUS	STU 34551
ACAU639-22	M22759/16 22-9	PBP550-22	M22759/16 22-9	SP91	S01-02-R	1PGMD	11-03929	5PBB	32NT91-2
ACAU646-22	M22759/16 22-9	PGAD651-20	M22759/16 20-9	SP120	S01-02-R	1PGPP	11-03928	5PCP	EAN 8595128241739
ACMD607-20	M22759/16 20-9	PGBT011-4	M22759/16 4-9	SP127	S01-01-R	1PGPS	32NT91-6	5PGAL	11-03929
ACTX503-20	M22759/16 20-9	PGBT013-4N	M22759/16 4-9	SP131	D-436-37	1PGPT	UNIVAL 2A	6ACMD	11-04268
ACVH615-18	M22759/16 18-9	PGBT015-6N	M22759/16 6-9	SP132	D-436-38	1PGRP	11-03929	6PBB	D22-20-06-R0
ANGP566-22	M22759/16 22-9	PGCA501-20	M22759/16 20-9			1PGTW	11-03933	6PCP	STU 46002
ANVH621-20	M22759/16 20-9	PGCA501-22	M22759/16 22-9	CONNECTORS		1PGTW	11-03933	6PGAL	11-03927
AWG12	M22759/16 12-9	PGCU601-12N	M22759/16 12-0	Designation	Manufacturer P/N	1PGTX	11-03928	6PGST	EAN 8595128241739
AWG20	M22759/16 20-9	PGDI650-22	M22759/16 22-9	X3	915113	1PGUS	11-03928	7PGAL	11-03929
AWG22	M22759/16 22-9	PGEP010-22	M22759/16 22-9	4PGEP	Connector 992G2-BK	1PGVH	11-03924	7PGST	11-03161
AWG22	M22759/16 22-9	PGEP042-20	M22759/16 20-9	P6	IBBS-Dsub-Conn	2CSTW	2-5700-IG2-P10-DD	9PCP	MS27212-1-4
CFL602-20	M22759/16 20-9	PGEP050-22	M22759/16 22-9			2PAL	22000uf 25V Kemet	9PGAL	11-04119
CFL615-20	M22759/16 20-9	PGEP507-22N	M22759/16 22-0	COMPONENTS		2PBB	11-03929	ECU	915113
CSAV648-12	M22759/16 12-9	PGEP509-22N	M22759/16 22-0	Designation	Manufacturer P/N	2PCP	UMA 1CU4 (Rotax kit)	R1	RN60D2201FB14
IPAL048-8N	M22759/16 8-0	PGEP510-22	M22759/16 22-9	10PGAL	1N4007	2PGAL	EAN 8595563713518	R11	Rezistor 0,6W 680R
IPAL049-18	M22759/16 18-9	PGFB001-18	M22759/16 18-9	1ACBO	11-03923	2PGCA	11-03926		
IPAL050-8	M22759/16 8-9	PGMD656-20	M22759/16 20-9	1CSAV	11-03931	2PGEP	LED 5mm BLUE		
IPAL051-22	M22759/16 22-9	PGMD658-20	M22759/16 20-9	1CSNV	11-04268	2PGRP	11-03926		
IPAL052-22N	M22759/16 22-0	PGSA643-22N	M22759/16 22-0	1CSPT	11-03933	2PGST	992818		
IPAL054-18	M22759/16 18-9	PGSH632-20N	M22759/16 20-0	1CSST	11-03936	2PGUS	11-03928		
IPAL058-10	M22759/16 10-9	PGSH646-22	M22759/16 22-9	1PAL	887-251	2PGVH	11-03929		
IPAL059-10N	M22759/16 10-0	PGSH647-22	M22759/16 22-9	1PBB	11-04119	3PBB	EAN 8595563713518		
IPAL082-18	M22759/16 18-9	PGST001-4N	M22759/16 4-9	1PGAD	11-03926	3PCP	EAN 8595563713518		
IPRE047-12	M22759/16 12-9	PGST002-4	M22759/16 4-9	1PGAL	EAN 8595563713518	3PGAL	LAMAR OS75-14		
IPAL064-18	M22759/16 18-9	PGST003-4	M22759/16 4-9	1PGAT	11-03928	3PGBT	11-04119		
IPAL065-16	M22759/16 16-9	PGST004-18N	M22759/16 18-0	1PGBT	RB0092M60230	3PGEP	1N4007		
IPRE048-22	M22759/16 22-9	PGST005-18	M22759/16 18-9						
IPRE050-20	M22759/16 20-9	PGST006-18N	M22759/16 18-0						
IPRE051-20	M22759/16 20-9	PGST009-6	M22759/16 6-9						
IPRE052-20	M22759/16 20-9	PGUS652-22	M22759/16 22-9						
IPRE053-20N	M22759/16 20-0	PGUS653-22	M22759/16 22-9						
IPRE054-20N	M22759/16 20-0	PGUS654-22N	M22759/16 22-0						
LECW603-22	M22759/16 22-9	PGUS655-22N	M22759/16 22-0						
LECW604-22	M22759/16 22-9	SEEI001-22	M22759/16 22-9						
LELD618-20	M22759/16 20-9	SEFF041-22	M22759/16 22-9						
LIIL607-22	M22759/16 22-9	SEFF042-22	M22759/16 22-9						
LIIL614-22	M22759/16 22-9	SPH600-12	M22759/16 12-9						
PBP517-12	M22759/16 12-9	SPH607-22	M22759/16 22-9						
PBP519-20	M22759/16 20-9	SPH608-22	M22759/16 22-9						
PBP520-20	M22759/16 20-9								
PBP521-20	M22759/16 20-9								
PBP522-20	M22759/16 20-9								
PBP523-20	M22759/16 20-9								

Material:							
Polotovar / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítka / Scale:	Promítání / Projection: 		C		07.09.2023	B. Hlůšek	
	Délkové rozměry / Units: mm		B		02.02.2021	B. Hlůšek	
	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature	
	Tolerování / Toleration:			Kreslil / Drawn by	30.11.2021	B. Hlůšek	
		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B520000N		Type: BRISTELL B-23	Index / Revision: C
		II	Název / Name:	SYSTÉM NAPÁJENÍ ROTAX 915		List / Sheet: 4/4	Format / Size: A3
ELECTRICAL POWER SYSTEM ROTAX 915							

A - PARTS ELECTRICALLY GROUNDED / A - SOUČÁSTI ELEKTRICKY UZEMĚNÉ
 B - PARTS ELECTRICALLY BONDED / B - SOUČÁSTI ELEKTRICKY UKOSTŘENÉ





 GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.

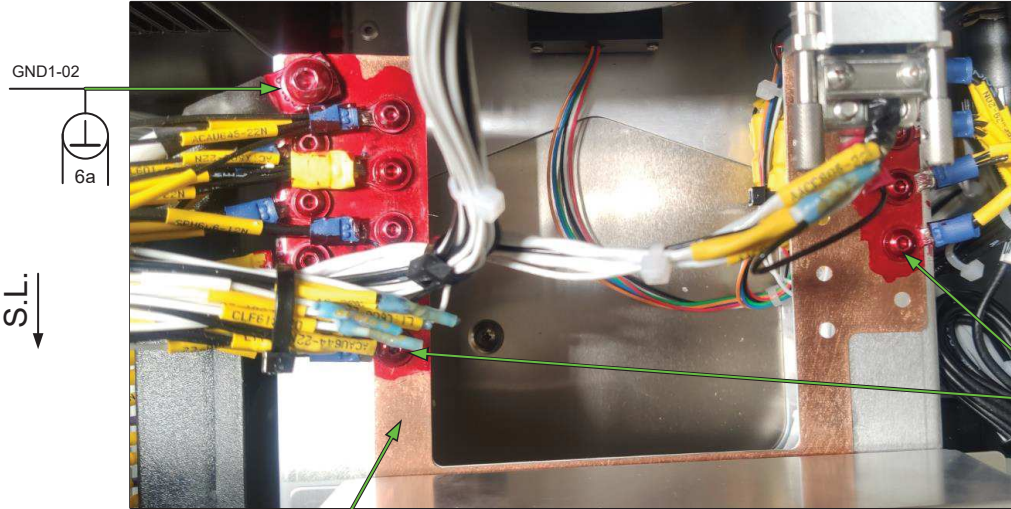
 KOSTŘIČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

CHANGE VERSUS ISSUE C:
 - ADDED PICTURES SHOWING BONDING OF EXTERNAL ALTERNATOR / SHEET 3.H3; 3.F4

ZMĚNA OPROTI REVIZI C:
 - PŘIDÁNO ZOBRAZENÍ UKOSTŘENÍ BLOKU EXTERNÍHO ALTERNÁTORU / LIST 3.H3; 3.F4

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekční / Projection:		c	07.11.2023	B. Hložek
1:1	Délkové rozměry / Units: mm	B	16.01.2023	B. Hložek	
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslí / Drawn by	06.12.2021	B. Hložek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B520200N		Type: Index / Revision:
	Název / Name:	ELECTRICKÉ UKOSTŘENÍ		BRISTELL B-23	C
ELECTRICKÉ UKOSTŘENÍ				List / Sheet:	Format / Size:
ELECTRICAL GROUNDING				1 / 7	A2

A1



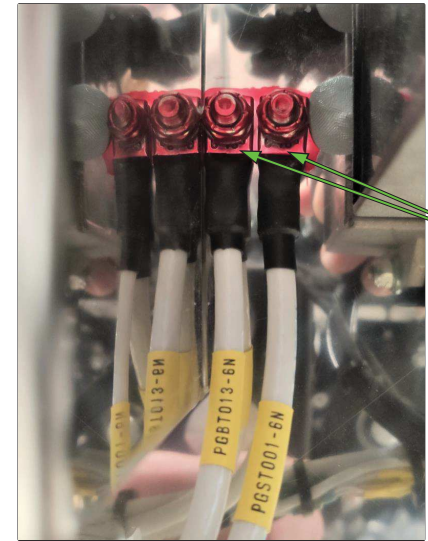
GND1-02
6a

S.L.
↓

INF. 25B20000N

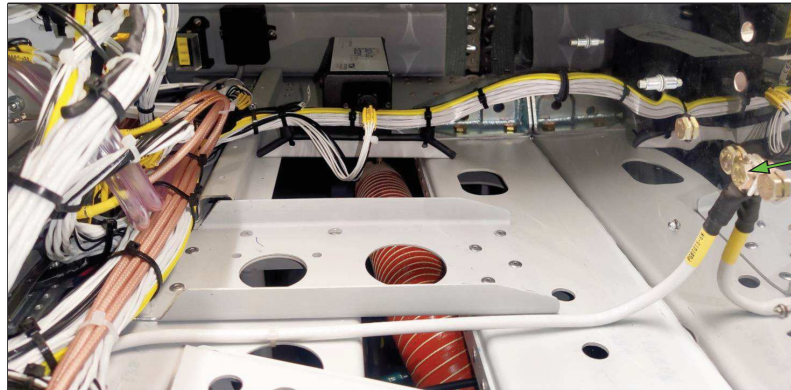
GND1-10-1 to
GND1-10-20
(20x)
6a

A3



GND2-01
6a

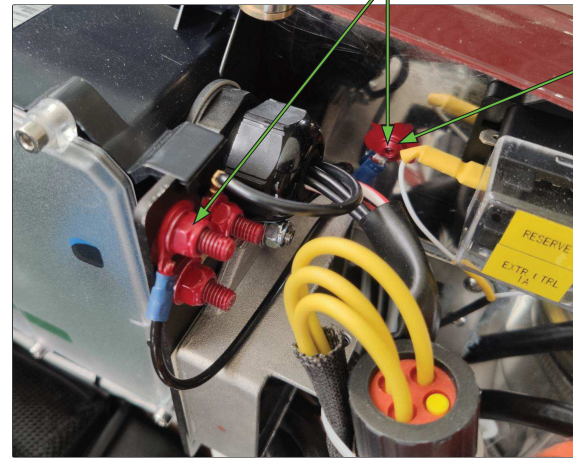
A2



GND2-02
6a

S.L.
→

A4



INF. 34B54000N

GND2-04
6a

GND1 - GROUNDING BRIDGE / ZEMNÍČÍ MŮSTEK
GND2 - FIREWALL / POŽÁRNÍ PŘEPÁŽKA

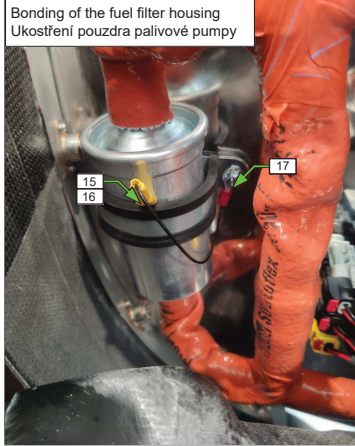
⊕ GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.

⊕ KOSTŘÍČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

Material used for the copper plate at the main GND1: EN 1652 Cu – DHP R240 0,55mm

Material:				
Polotovary / Semi-product:				
Úprava povrchu / Finish:				
Hmotnost / Weight (kg):				
Měřítko / Scale:	Projekční / Projection:	c	07.11.2023	B. Hložek
1:1	Délkové rozměry / Units: mm	B	16.01.2023	B. Hložek
	Přesnost / accuracy:	Index	Změna/Design change	Date
	Tolerování / Toleration:		Kreslil / Drawn by	06.12.2021
Skupina sled. / Traceability class		Číslo výkresu / Drawing number		Type:
II		34B520200N		BRISTELL
Název / Name:		ELECTRICKÉ UKOSTŘENÍ		List / Sheet:
		ELECTRICAL GROUNDING		2 / 7
			Index / Revision:	C
			Format / Size:	A2

B1



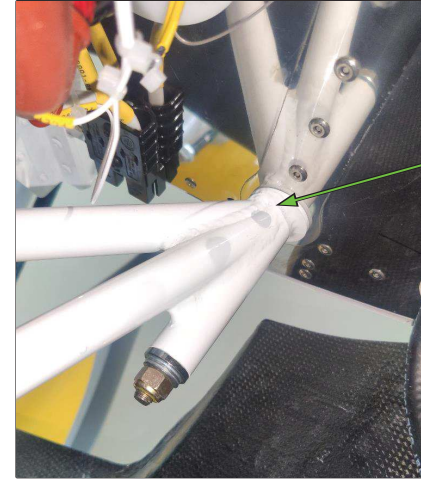
Bonding of the fuel filter housing
Ukostonění pouzdra palivové pumpy

B2



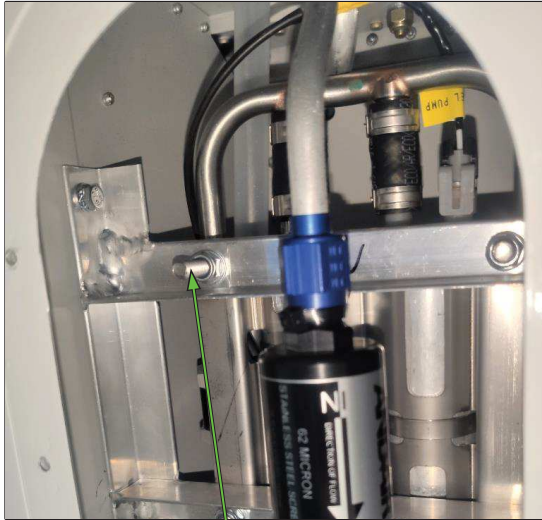
GND4-01
6a

B3



GND3-02
6a

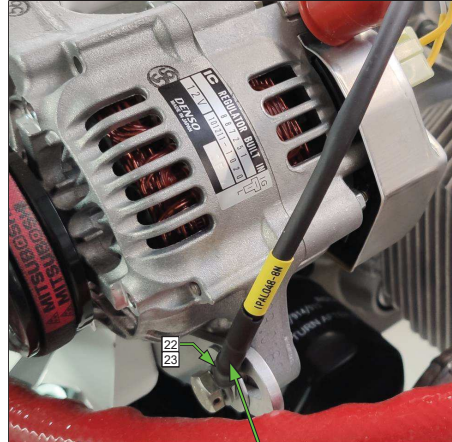
B4



Bonding of the fuel pump - The fuel pump is bolted to the aluminium console which is attached with bolts to the aircraft structure.

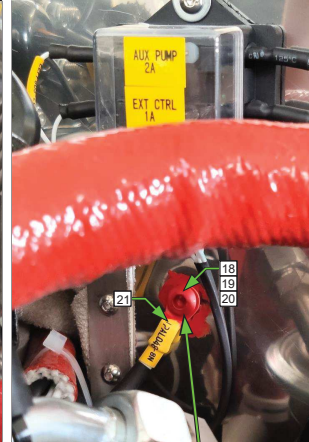
Ukostonění palivové pumpy - Palivová pumpa je přišroubovaná na hliníkovou konzoli, který je přišroubovaná k rámu letadla.

B5

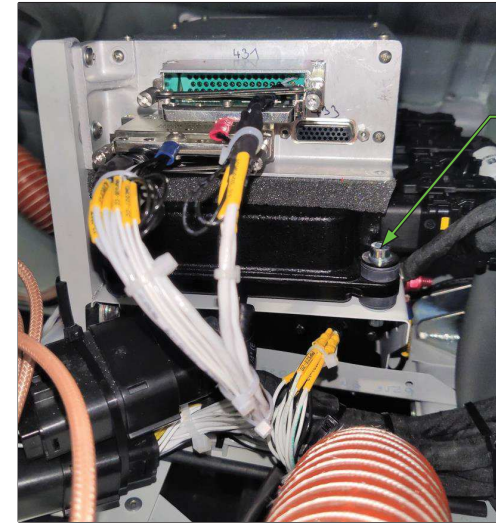


Bonding of the external alternator
Ukostonění externího alternátoru
Installation of the alternator bonding cable is shown in drawing 34B220204N.
Instalace kostřičichoiho kabelu alternátoru je zobrazena na výkrese 34B220204N.

B6



GND2-08
6a



According to Rotax ECU housing must be isolated versus airframe ground.
Podle Rotaxu musí být pouzdro ECU izolované od rámu letadla.

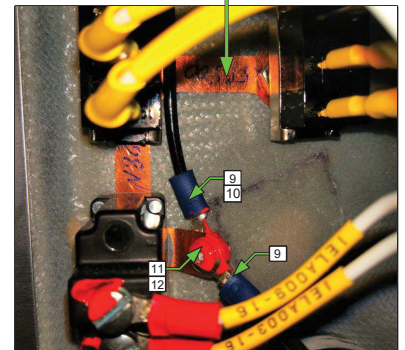
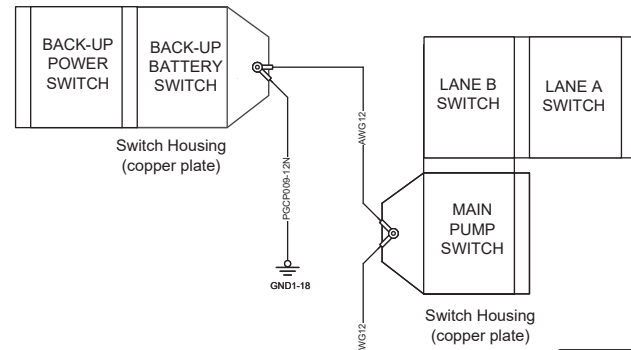
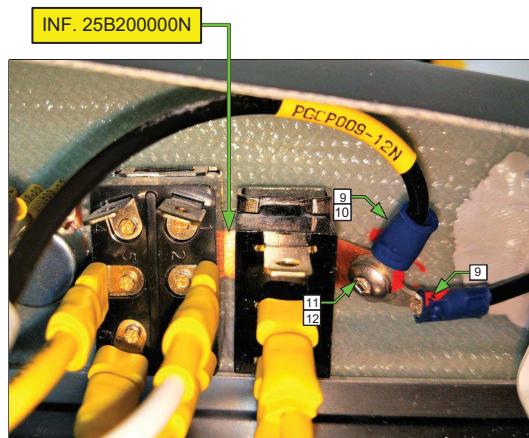
GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A 7A

KOSTŘIČI BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A. 7A.

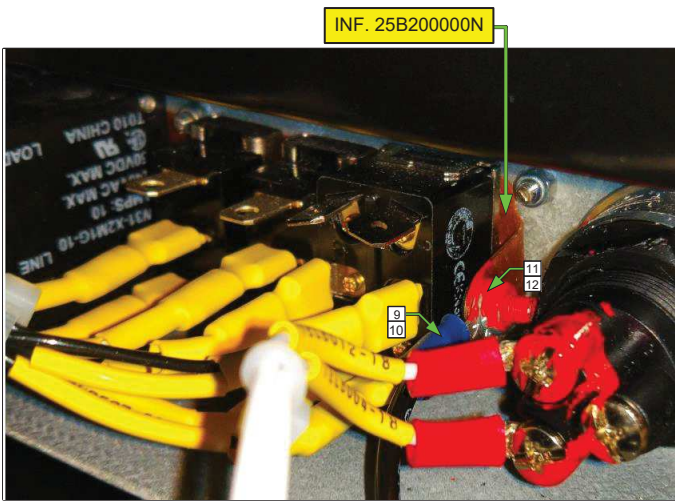
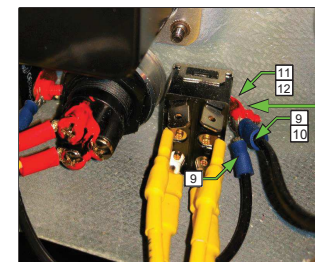
GND2 - FIREWALL / POŽÁRNÍ PŘEPÁŽKA
GND3 - ENGINE BED / LOŽE MOTORU
GND4 - ENGINE BLOCK / BLOK MOTORU

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekční / Projection:	C	07.11.2023	B. Hložek	
1:1	Délkové rozměry / Units: mm	B	16.01.2023	B. Hložek	
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslil / Drawn by	06.12.2021	B. Hložek
Skupina sled. / Traceability class		Číslo výkresu / Drawing number	34B520200N		Type: Index / Revision:
II		Název / Name:	ELECTRICKÉ UKOSTŘENÍ		BRISTELL B-23
			ELECTRICAL GROUNDING		List / Sheet: Format / Size:
					3 / 7 A2

BONDING OF CIRCUIT BREAKER AND SWITCH METAL HOUSINGS
 UKOSTŘENÍ KOVOVÝCH POUZDER POJISTEK A PŘEPÍNAČŮ



CB and Switch Housing interconnection
(copper plate)

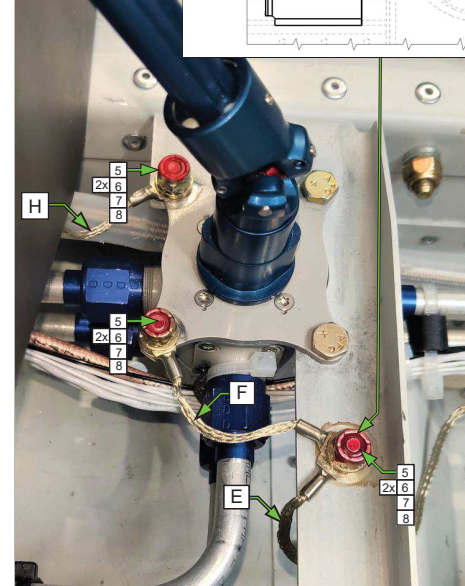
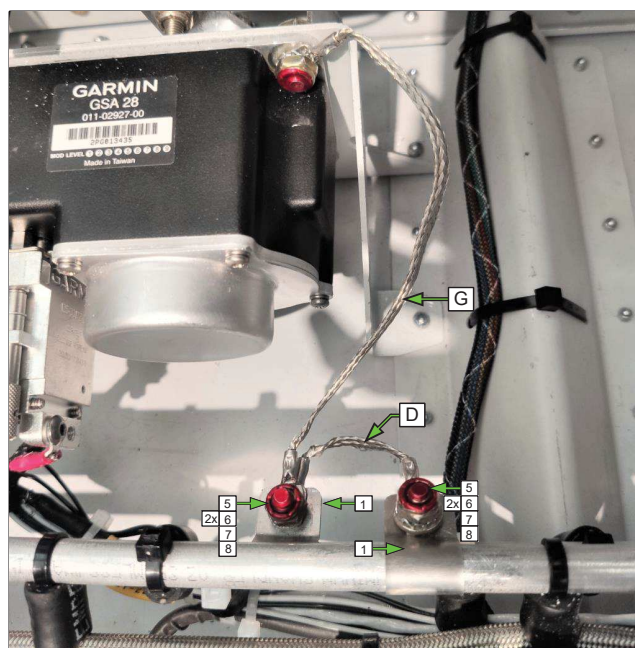
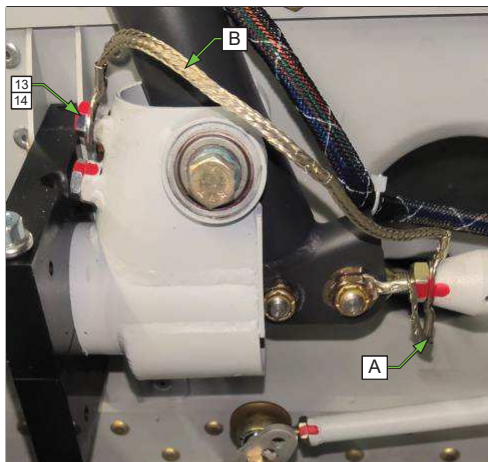
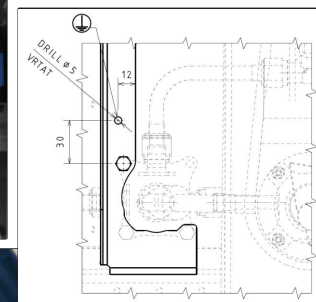
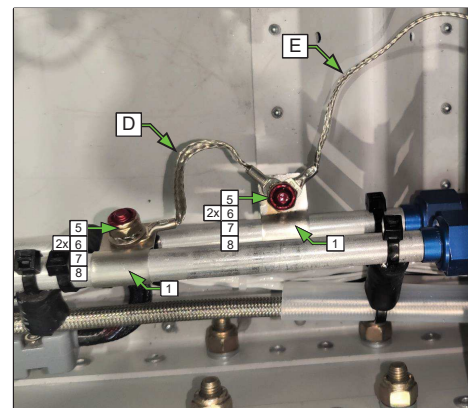
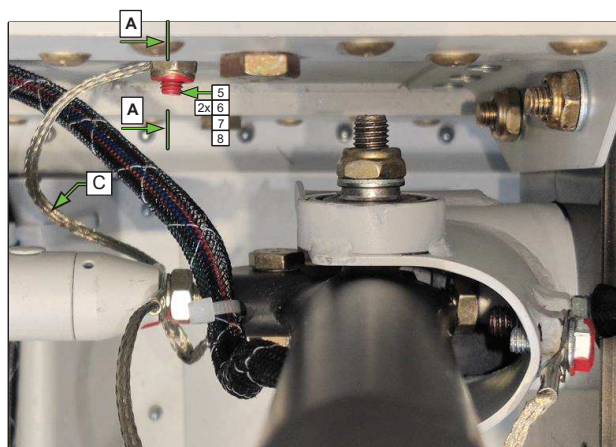
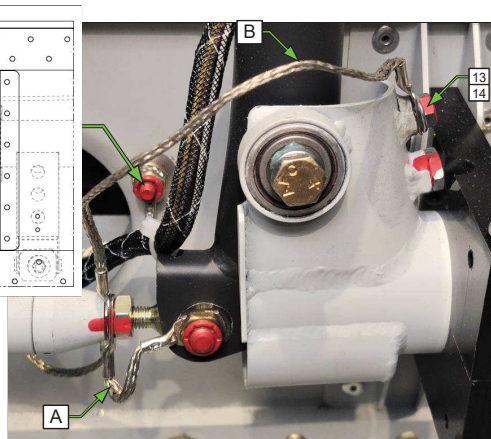
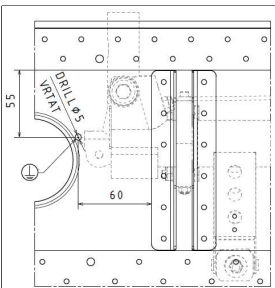


USED WIRE:
M22759/16-XX-0

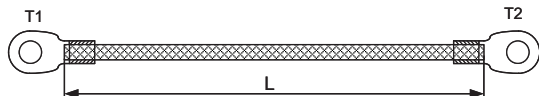
MATERIAL USED FOR COPPER PLATES: EN 1652 CU – DHP R240 0,55MM

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:		c	07.11.2023	B. Hložek
	Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date
	Tolerování / Toleration:			Kreslí / Drawn by	06.12.2021
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B520200N		Type: Index / Revision:
	II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23 List / Sheet: 4 / 7 Format / Size: A2

INSTALLATION OF BONDING JUMPERS INSTALACE KOSTRÍČÍCH PÁSKŮ

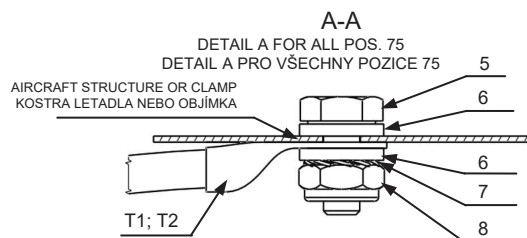


USED BONDING BRAID MATERIAL: TIN PLATED COPPER SLEEVING – RAY-101-3.0(100)
 POUŽITÝ STÍNÍČÍ MATERIÁL – CÍNEM POKOVANÝ MĚDĚNÝ OPLET - RAY-101-3.0(100)



L – BRAID LENGTH / L - DÉLKA STÍNĚNÍ
 T1, T2 – USED TERMINAL LUG / T1, T2 - POUŽITÉ KABELOVÉ OKO

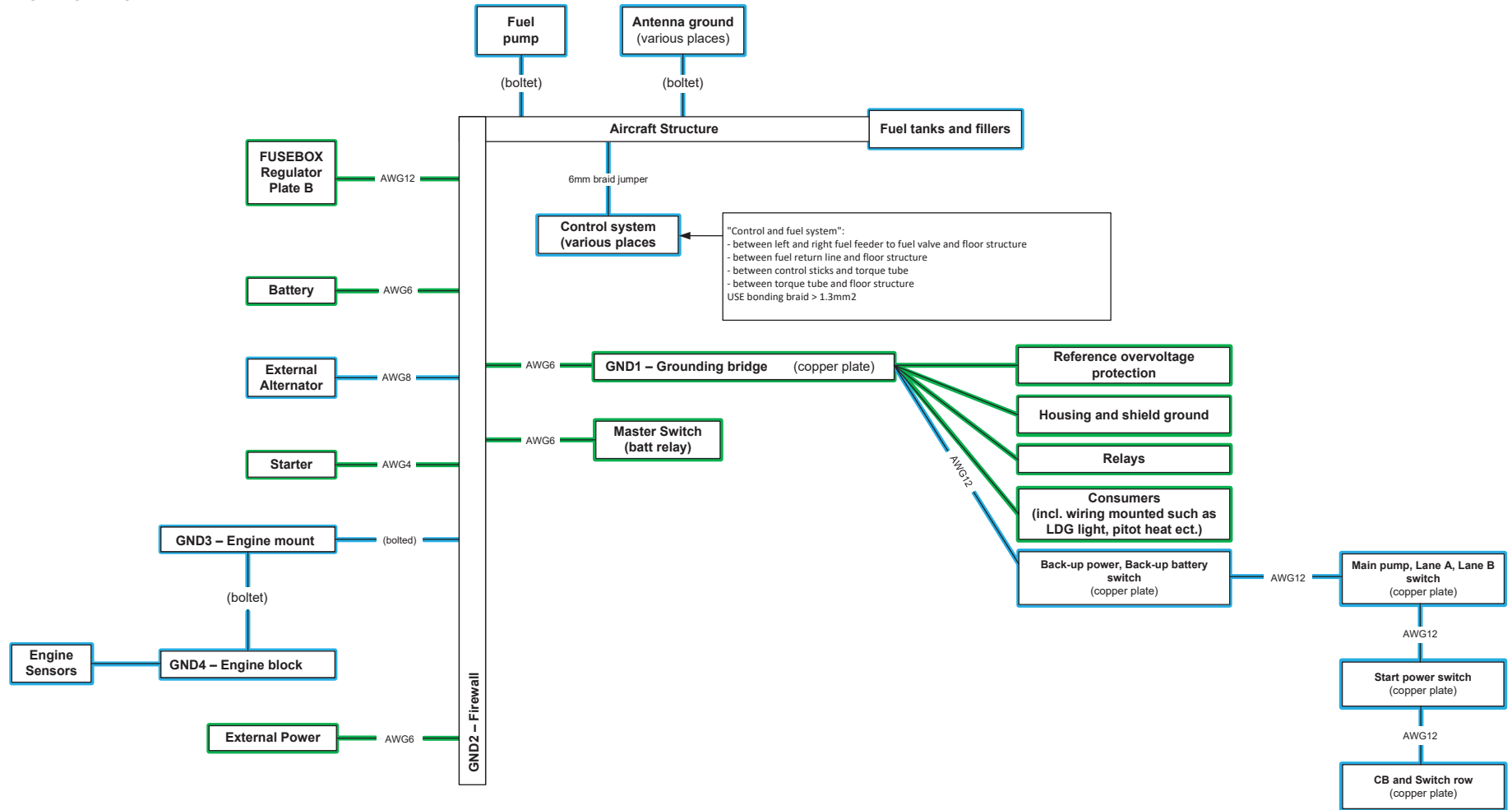
Bonding jumper	Qty	L (mm)	T1	T2
A	2	40	92R/6	92R/6
B	2	155	92R/6	92R/6
C	1	110	92R/6	92R/5
D	2	40	92R/5	92R/5
E	1	160	92R/5	92R/5
F	1	70	92R/5	92R/5
G	1	130	92R/5	92R/5
H	1	350	92R/5	92R/5



REMOVE PAINTING AND CLEAN THE MOUNTING SURFACE PRIOR TO INSTALLATION OF BONDING JUMPERS BY USING ALCOHOL CLEANER . WHEN THE MOUNTING SURFACE IS CLEAN AND DRY APPLY ALODINE AND HAVE IT PROPERLY DRIED UNTIL THE PROTECTIVE FILM IS CREATED.
 ODSTRANIT BARVU NA PORVRCHU V MÍSTĚ UCHYCENÍ KOSTRÍČÍHO PÁSKU A PO TÉ ALODINĚ OBNAŽIT POUVRCH. PO ODMAŠTĚNÍ NATŘÍT TOTO MÍSTO PROTŘEDKEM ALODINE A NECHAT DŮKLADNĚ PROSCHNOUT DOKUD SE NEVYTVOŘÍ OCHRANNÝ FILM.

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:	c		07.11.2023	B. Hložek
	Délkové rozměry / Units: mm	B		16.01.2023	B. Hložek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslí / Drawn by	06.12.2021	B. Hložek
BRMAERO	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B520200N		Type: Index / Revision:
	II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23 C
			List / Sheet:	5 / 7	Format / Size: A2

█ ELECTRICAL GROUNDING
█ ELECTRICAL BONDING



Note: ECU housing and regulator plate A must be isolated versus airframe ground
 Poznámka: Pouzdro ECU a zemnicí destička regulátoru A musí být izolované od rámu letadla.

Material used for the copper plate at the main GND1: EN 1652 Cu – DHP R240 0,55mm

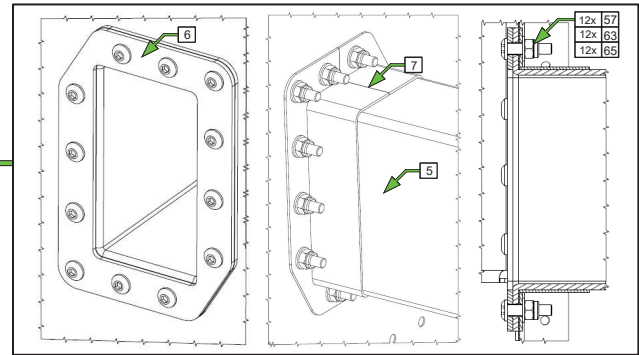
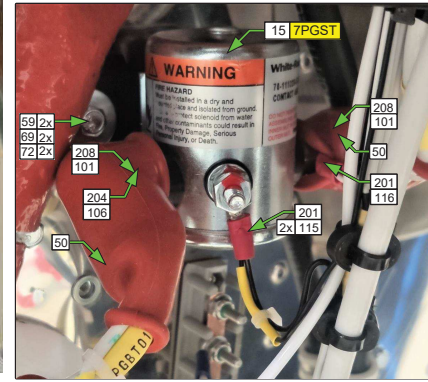
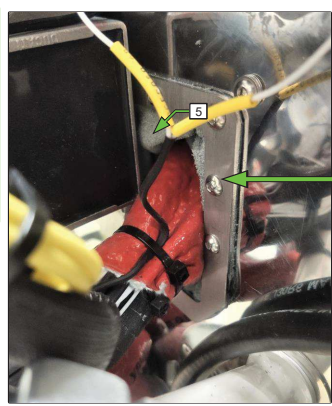
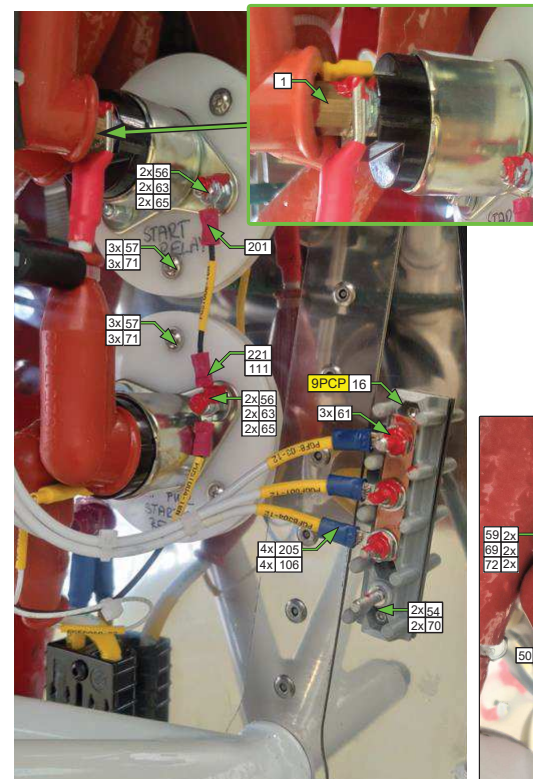
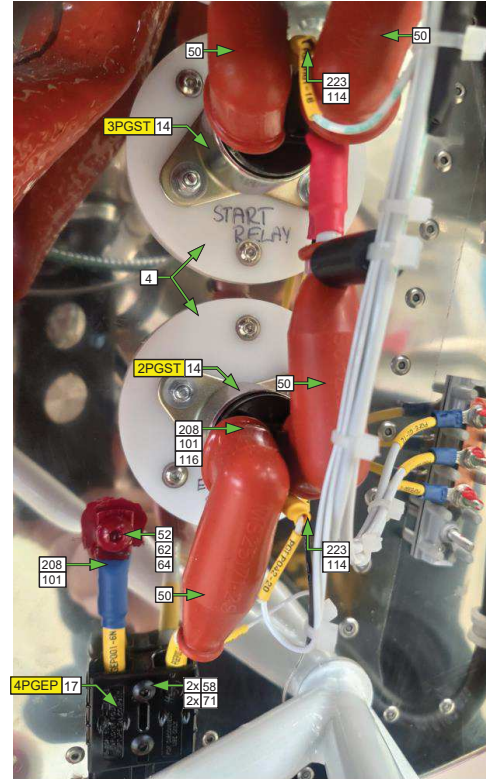
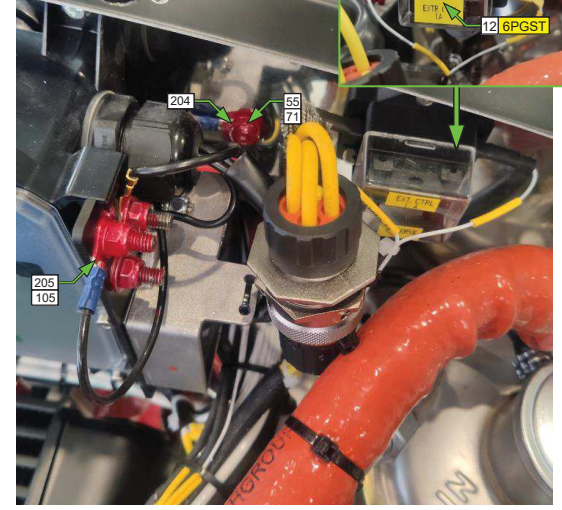
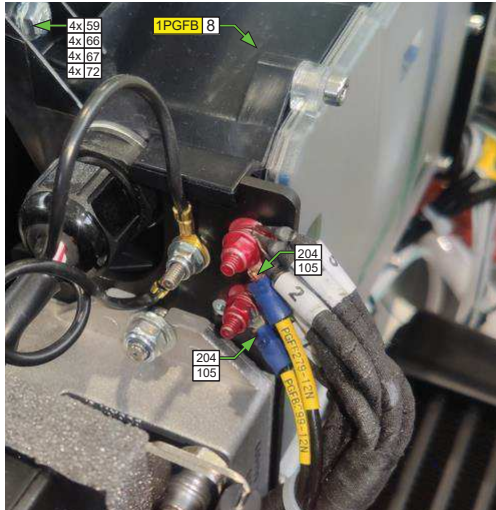
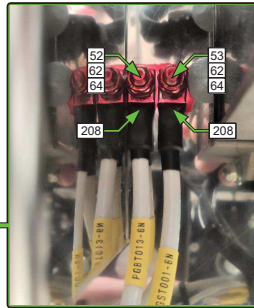
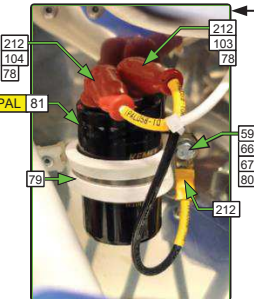
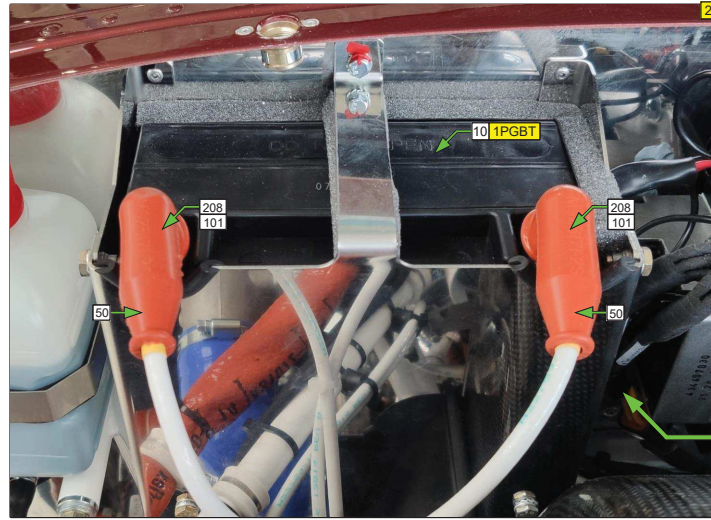
Material:									
Polotovary / Semi-product:									
Úprava povrchu / Finish:									
Hmotnost / Weight (kg):									
Měřítko / Scale:	Projekční / Projection:		c	07.11.2023	B. Hložek				
	Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek				
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature			
	Tolerování / Toleration:			Kreslil / Drawn by	06.12.2021	B. Hložek			
		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B520200N		Type:	Index / Revision:		
		Název / Name:		ELECTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23	C		
					List / Sheet:	Format / Size:			
					6 / 7	A2			

D		C		B		A	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name		
1	4	34B220201N	A	KOSTRICI OBJIMKA	BONDING CLAMP		
2	1	RAY-101-3		STINICI OPLET	BONDING BRAID		
3	10	92R/5		OKO KABEL, M5	TERMINAL LUG M5		
4	11	92R/6		OKO KABEL, M6	TERMINAL LUG M6		
5	7	AN3-3A		SROUB	BOLT		
6	16	AN960-10		PODLOZKA	WASHER		
7	7	5,3 DIN 6798 ZN		VEJIROVA PODLOZKA	STAR LOCK WASHER		
8	7	MS21083N3 (AN364-1032A)		SAMOJISTNA MATICE	S. L. NUT		
9	4	BF-M4		GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS 1.5-2.5 BF-M4		
10	1	M22759/16 12-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
11	2	M4x8 ISO7380 A2		SROUB	BOLT		
12	2	M4 DIN985 ZN		SAMOJISTNA MATICE	S. L. NUT		
13	2	M5x10 DIN 933		SROUB	BOLT		
14	2	5,3 DIN 125A		PODLOZKA	WASHER		
15	1	1226299		FASTON ZASTRCKA 6,3x0,8 mm	INSULATED		
16	1	M22759/16 22-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
17	1	RF-M5		GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS 0.5-1.5 RF-M5		
18	1	M6x16 ISO 7380-1 A2		SROUB	BOLT		
19	1	M6 DIN 985 ZN		SAMOJISTNA MATICE	S. L. NUT		
20	1	6,4 DIN 125A ZN		PODLOZKA	WASHER		
21	1	CU 10x6 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
22	1	CU 10x8 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
23	1	M22759/16 8-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
Material: -							
Polotovar / Semi - product: -							
Úprava povrchu / Finish: -							
Hmotnost / Weight (kg): -							
Měřítka / Scale:	Promítání / Projection: 			C		7.11.2023	B.Hlusek
	Délkové rozměry / Units: mm			B		16.01.2023	B.Hlusek
[-]	Přesnost / accuracy : ISO 2768 - cL			Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015				Kresil / Drawn by	06.12.2021	B. Hlusek
		Skupina sled./ Traceability class	Číslo výkresu / Drawing number	<h1>34B520200N</h1>		Type:	Index / Revision:
		-	Název / Name:			Bristell B23-915	C
				ELEKTRICKE UKOSTRENI		List / Sheet:	Format / Size:
				ELETRICAL GROUNDING		[7/7]	A4

Firewall forward – wiring and electrical components installation

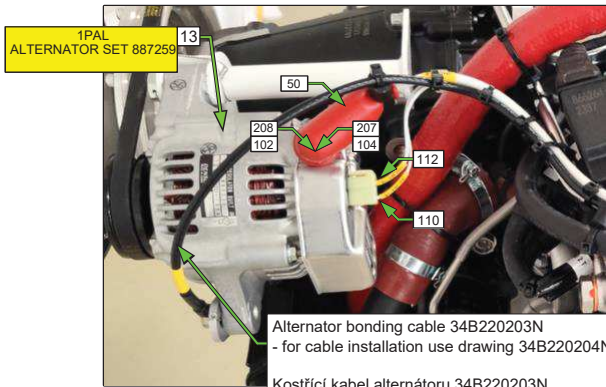
Vedení kabeláže a umístění elektrických komponent v na požární přepážce.

For the capacitor installation follow drawing 34B950106N.
Proved' instalaci kapacitoru dle výkresu 34B95106.



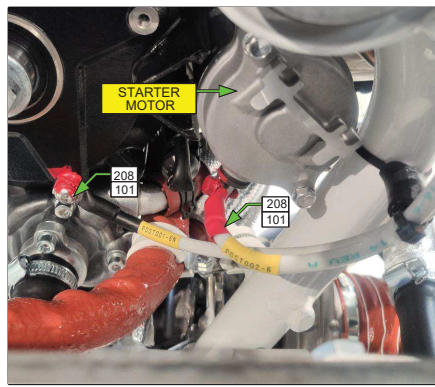
- CHANGE VERSUS ISSUE A:
- REMOVED ITEM NO. 19 - 34B00010N RECTIFYING DIODE COOLER /SHEET 1.H7
- REMOVED ITEM NO. 20 - D22-20-06-R0 RECTIFIER DIODE /SHEET 1.H7
- ADDED CAPACITOR KEMET 22000µF FOR ALT C (ITEM POSITION 81)/SHEET 1.H7
- ADDED RESISTOR R1 2.2kOhm /SHEET 2.K1
- ADDED INSTALLATION OF ADDITIONAL FIRE PROTECTION FOR POWER CABLES, APPLICABLE FOR ONLY FOR DC-027 / SHEET 4

Material:							
Polotovár / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Promítání / Projection:						
1:1	Délkové rozměry / Units: mm	B		28.06.2023	B. Hložek		
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
	Tolerování / Tolerance:		Kreslí / Drawn by	12.01.2022.	B. Hložek		
BRMAERO	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B540000N		Type:	Index / Revision:	
	II	Název / Name:	KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		BRISTELL B-23	B	
				List / Sheet:	Format / Size:		
				1 / 5	A2		

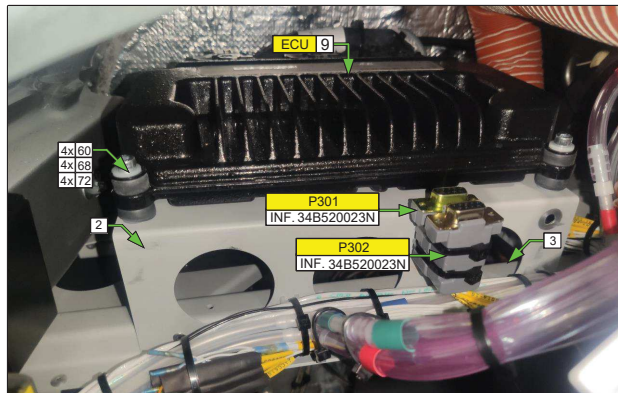


1PAL ALTERNATOR SET 887259

Alternator bonding cable 34B220203N
- for cable installation use drawing 34B220204N
Kostřící kabel alternátoru 34B220203N
- pro instalaci kabelu použij výkres 34B220204



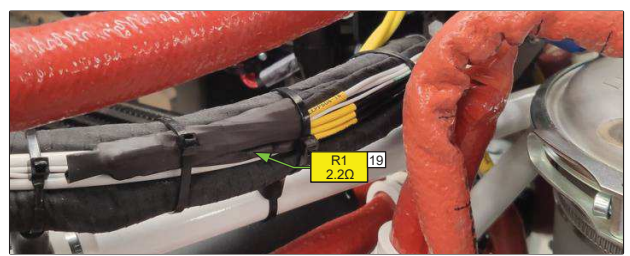
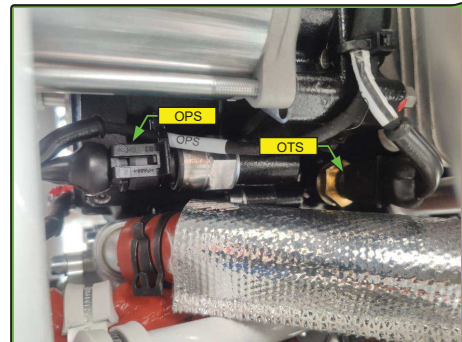
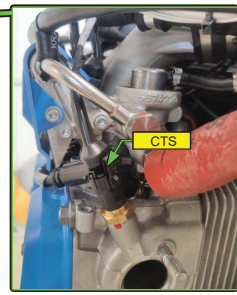
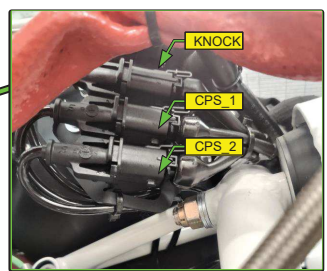
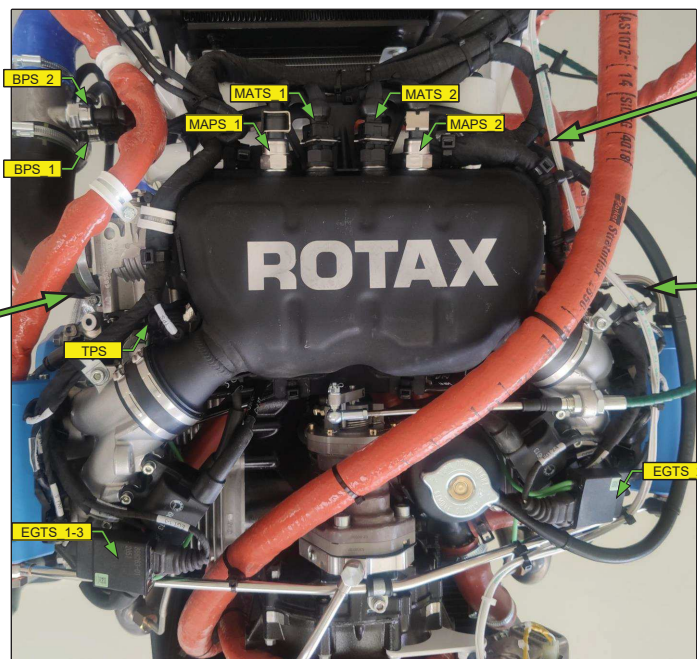
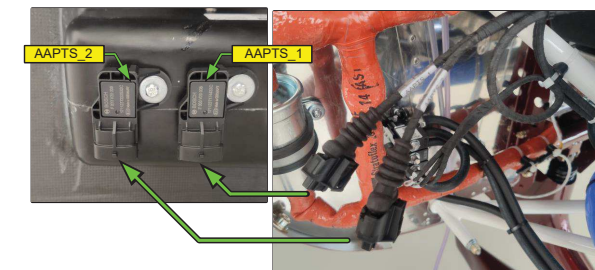
STARTER MOTOR



ECU is mounted close to the firewall in the area between the instrument panel and firewall on the pilot side.
Řídicí jednotka ECU je umístěna v blízkosti požární přepážky v prostoru mezi přístrojovou deskou a požární přepážkou na straně pilota.

Note: ECU housing and regulator plate A must be isolated versus airframe ground
Poznámka: Pouzdro ECU a zemnicí destička regulátoru A musí být izolované od rámu letadla.

Engine sensors location
Umístění čidel motoru





Material:							
Polotovár / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Projekční / Projection:						
	Délkové rozměry / Units: mm	B		28.06.2023	B. Hložek		
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
	Tolerování / Toleration:		Kreslí / Drawn by	12.01.2022	B. Hložek		
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B54000N		Type: BRISTELL B-23	Index / Revision: B	
	II	Název / Name:	KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		List / Sheet: 2 / 5	Format / Size: A2	

WIRING DIAGRAMS RELATED TO ELECTRICAL INSTALLATION SHOWN IN THE PICTURES ON DRAWING 34B5240000N
SEZNAM ELEKTRICKÝCH ZAŘÍZENÍ ZOBRAZENÝCH NA VÝKRESE 34B5240000N A K NIM PŘIDRUŽENÝCH SCHÉMÁT EL. ZAPOJENÍ

34B5240000N sheet 1		
CODE	ITEM	WIRING DIAGRAM
1PGBT	BATTERY 12V/18Ah	34B5200000N /1.P6
2PAL	CAPACITOR KEMET 22000µF	34B5200000N /1.M10
2PGST	EXTERNAL POWER START RELAY	34B5200000N /1.M5
3PGST	START RELAY	34B5200000N /1.M7
4PGEP	EXTERNAL POWER PLUG	34B5200000N /1.L5
6PGST	BLADE FUSE 1A (EXTR CTRL)	34B5200000N /1.K5
7PGST	MASTER RELAY	34B5200000N /1.M6
9PCP	TERMINAL BLOCK	34B5200000N /1.M11
ECU	ENGINE CONTROL UNIT	34B5200000N /1.K12

34B5240000N sheet 2		
CODE	ITEM	WIRING DIAGRAM
1PAL	EXTERNAL ALTERNATOR	34B5200000N /1.P9
1PGFB	FUSE BOX	34B5200000N /1.Q12
1SEFP	FUEL PRESSURE SENSOR	34B520023N /1.E5
AAPTS_1	AMBIENT AIR AND TEMPERATURE SENSOR_1	34B520011N /1.K8
AAPTS_2	AMBIENT AIR AND TEMPERATURE SENSOR_2	34B520011N /1.J8
BPS_1	BOOST PRESSURE SENSOR 1	34B520011N /1.D8
BPS_2	BOOST PRESSURE SENSOR 2	34B520011N /1.C8
CPS_1	CRANK POSITION SENSOR_1	34B520011N /1.J5
CPS_2	CRANK POSITION SENSOR_2	34B520011N /1.J4
CTS	COOLANT TEMPERATURE SENSOR	34B520011N /1.G2
EGTS_1-3	EXHAUST GAS TEMPERATURE SENSOR 1-3	34B520011N /1.E8
EGTS_2-4	EXHAUST GAS TEMPERATURE SENSOR 2-4	34B520011N /1.G2
KNOCK	KNOCK SENSOR	34B520011N /1.J5
MAPS_1	MANIFOLD AIR PRESSURE_1	34B520011N /1.J6
MAPS_2	MANIFOLD AIR PRESSURE_2	34B520011N /1.J3
MATS_1	MANIFOLD AIR TEMPERATURE_1	34B520011N /1.J6
MATS_2	MANIFOLD AIR TEMPERATURE_2	34B520011N /1.J3
OPS	OIL PRESUURE SENSOR	34B520011N /1.G7
OTS	OIL TEMPERATURE SENSOR	34B520011N /1.F7
R1	Resistor 2,2kOhm (Vishay)	34B5200000N /1.M9
TPS	THROTTLE POSITION SENSOR	34B520011N /1.G6

Material:								
Polotovár / Semi-product:								
Úprava povrchu / Finish:								
Hmotnost / Weight (kg):								
Měřítka / Scale:	Promítání / Projection: 							
	Délkové rozměry / Units: mm				B		28.06.2023	B. Hlášek
1:1	Přesnost / accuracy:				Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:					Kreslil / Drawn by	12.01.2022	B. Hlášek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B540000N		Type:	Index / Revision:		
	II	Název / Name:			KABELAZ MOTORU SESTAVA	BRISTELL B-23	B	
ENGINE WIRING ASSEMBLY					List / Sheet:	Format / Size:		
					3 / 5	A3		

FOR DC-027 APPLICABLE ONLY For B23-915 IFR

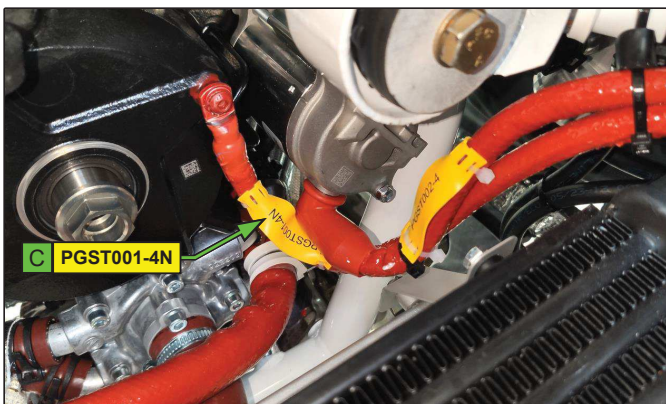
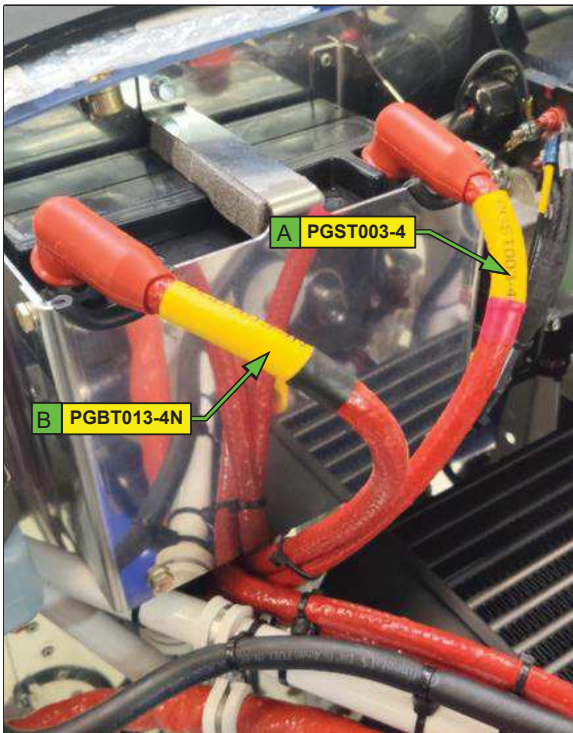
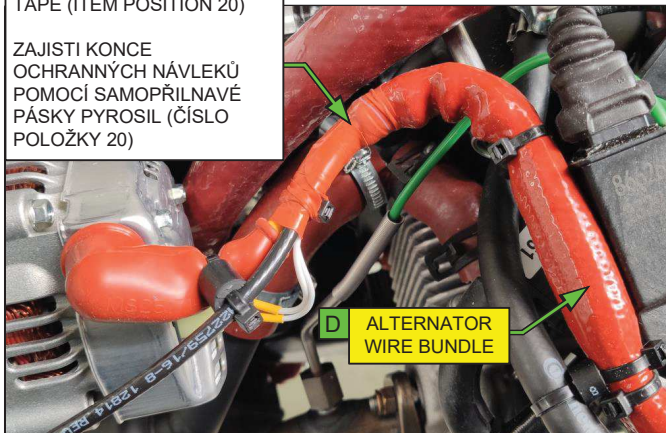
INSTALLATION OF ADDITIONAL FIRE PROTECTION TO THE MAIN POWER CABLES:
 INSTALACE PŘÍDAVNÉ PROTIPOŽÁRNÍ OCHRANY HLAVNÍCH NAPÁJECÍCH KABELŮ:

INSTALL SILICONE FIBERGLASS FIRE PROTECTOR SLEEVE ON THE CABLES LISTED IN THE TABLE.
 NAINSTALUJ SILIKONOVÝ PROTIPOŽÁRNÍ OCHRANNÝ NÁVLEK NA KABELY UVEDENÉ V TABULCE.

	CABLE	PROTECTIVE MATERIAL	LENGTH
A	PGST003-4	008/012/QX000-02449	0,85 m
B	PGBT013-4N	008/012/QX000-02449	0,55 m
C	PGST001-4N	008/012/QX000-02449	0,71 m
D	ALTERNATOR WIRE BUNDLE	014-018/QX000-02449	0,83 m

SECURE EACH END OF THE PROTECTIVE SLEEVE WITH SELF-ADHESIVE PYROSIL TAPE (ITEM POSITION 20)

ZAJISTI KONCE OCHRANNÝCH NÁVLEKŮ POMOCÍ SAMOPŘILNAVÉ PÁSKY PYROSIL (ČÍSLO POLOŽKY 20)



Material:								
Polotovar / Semi-product:								
Úprava povrchu / Finish:								
Hmotnost / Weight (kg):								
Měřítka / Scale:	Promítání / Projection:							
	Délkové rozměry / Units: mm			B		28.06.2024	B. Hlúšek	
1:1	Přesnost / accuracy:			Index	Změna/Design change	Date	Podpis/Signature	
	Tolerování / Toleration:				Kreslil / Drawn by	12.01.2022	B. Hlúšek	
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B54000N		Type:	Index / Revision:		
	II	Název / Name:	KABELAZ MOTORU SESTAVA ENGINE WIRING ASSEMBLY		BRISTELL B-23	B		
			List / Sheet:	Format / Size:				
			4 / 5	A3				

M	L	K	J	H	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	34B24-0010N	B.1	NADSTAVEC PINU	PIN EXTENDER
2	1	34B54.0001N	B.1	KONZOLA RIDICI JEDNOTKY	ECU BRACKET
3	1	34B54.0002N	A.1	KONZOLA	BRACKET
4	2	34B54.0005N	A.1	IZOLACNI PODLOZKA	INSULATION WASHER
5	1	34B54.0006N	A.1	PRUCHODKA KABELOVEHO SVAZKU	CABLE HARNESS GROMMET
6	1	34B54.0007N	A.1	RAMECEK PRUCHODKY	GROMMET FRAME
7	2	34B54.0008N	A.1	PRIRUBA PRUCHODKY	GROMMET FLANGE
8	1	881325	A.1	FUSE BOX	FUSE BOX
9	1	864357	A.1	ECU-204-201	ECU-204-201
10	1	RB0092M60230	A.1	BATERIE (BOSCH)	BOSCH (BATTERY)
11	1	WOOFUH1700	A.1	POJISTKOVA PATICE 12V	FUSE BLOCK 12V
12	1	NOZOVYA POJISTKA 1A	A.1	NOZOVYA AUTOPOJISTKA 1A	BLADE FUSE 1A
13	1	FUB 386 DN 6	A.1	PALIVOVA HADICE SAE J30R2 (SEMPERIT)	FUEL HOSE SAE J30R2 (SEMPERIT)
14	2	ROTAX 992818	A.1	STARTOVACI RELE	STARTER RELAY
15	1	70-111226-5	A.1	Hlavní RELE	MASTER RELAY
16	1	MS 27212-1-4	A.1	SVORKOVNICE 4 POZICE	TERMINAL BLOCK
17	1	992G2-BK	A.1	EXTERNI DOBJECI ZASUVKA	EXTERNAL CHARGING SOCKET
18	1	UMANIEU70D	A.1	SENZOR TLAKU PALIVA	FUEL PRESSURE SENSOR
19	1	RN60D2201B14	A.1	Rezistor 2,2 kOhm (Vishay)	Resistor 2,2 kOhm (Vishay)
20	1	M11294	A.1	PYROSIL PASKA	PYROSIL TAPE

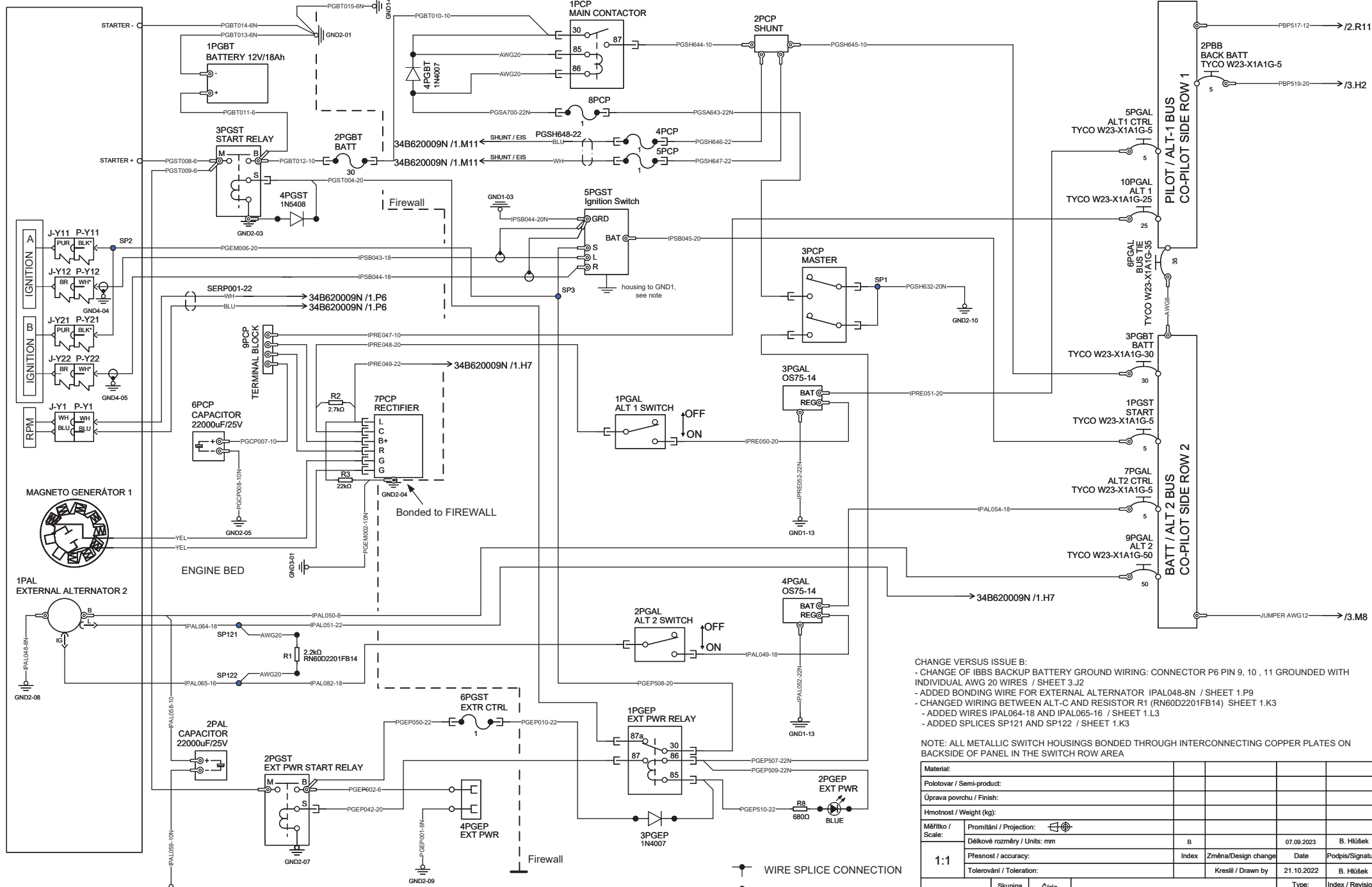
50	9	MS25171-25		SILIKONOVA KRYTKA CERVENA	SILICON NIPPLE RED
51	4	KSD-1510		KABELOVE SEDLO NYLON 66 (WAPRO)	CABLE TIE MOUNT NYLON 66 (WAPRO)
52	2	AN4-4A		SROUB	BOLT
53	1	AN4-5A		SROUB	BOLT
54	2	M3x16 ISO7380 A2		SROUB	BOLT
55	1	M4x12 ISO7380-2 A2		SROUB	BOLT
56	4	M4x16 DIN7991 A2		SROUB	BOLT
57	20	M4x16 ISO7380-1 A2		SROUB	BOLT
58	2	M4x30 ISO7380-1 A2		SROUB	BOLT
59	7	M5x16 DIN933 ZN		SROUB	BOLT
60	4	M5x35 DIN912 ZN 8.8		SROUB	BOLT
61	4	AN364-832		SAMOJISTNA MATICE	S. L. NUT
62	3	MS21044N4 (AN365-428A)		MATICE SAMOJISTNA	S. L. NUT
63	16	M4 DIN985 ZN		SAMOJISTNA MATICE	S. L. NUT
64	3	AN960-416L		PODLOZKA	WASHER
65	16	4,3 DIN125A ZN		PODLOZKA	WASHER
66	5	5,3 DIN125A ZN		PODLOZKA	WASHER
67	5	5,3 DIN 6798 ZN		VEJIROVA PODLOZKA	STAR LOCK WASHER
68	8	6,4 DIN125A PA		PODLOZKA	WASHER
69	2	6,4 DIN9021 ZN		PODLOZKA	WASHER
70	2	9407-30301		M3 NYTOVACI MATICE, PLOCHA HLAVA	M3 RIVET NUT, FLAT HEAD, ST
71	11	9407-40300		M4 NYTOVACI MATICE, PLOCHA HLAVA	M4 RIVET NUT, FLAT HEAD, ST
72	10	9407-50300		M5 NYTOVACI MATICE, PLOCHA HLAVA	M5 RIVET NUT, FLAT HEAD, ST
73	14	1691-0410		NYT TRNOVY 3,2x7,9	RIVET 3,2x7,9
74	2	1604-0412		NYT TRNOVY 3,2x12,2	RIVET 3,2x12,2
75	10	127860		STAHOVACI PASEK CB 98/2,5	CABLE TIE CB 98/2,5
76	50	1720630000		STAHOVACI PASEK CB 203/3,6	CABLE TIE CB 203/3,6
77	4	1720640000		STAHOVACI PASKA CB 290/3,6	CABLE TIE CB 290/3,6
78	2	MS27171-15		SILIKONOVA KRYTKA CERVENA (MALA)	SILICON NIPPLE RED (SMALL)
79	1	MS21919WCH22		OBJIMKA 13/8"	CLAMP 13/8"
80	1	M5 DIN 985 ZN		SAMOJISTNA MATICE	S. L. NUT
81	1	ALS30A2230B025		KONDENZATOR KAMET	CAPACITOR KAMET

Poz./ Item No.	Mn./Q.	PN	NÁZEV	NAME
201		RF-M4	GP OKO PVC LIS. 0.5-1.5 RF-M4	GP RING PVC PRESS. 0.5-1.5 RF-M4
202		RF-M5	GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS. 0.5-1.5 RF-M5
203		RF-M6	GP OKO PVC LIS. 0.5-1.5 RF-M6	GP RING PVC PRESS. 0.5-1.5 RF-M6
204		BF-M4	GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS. 1.5-2.5 BF-M4
205		BF-M6	GP OKO PVC LIS. 1.5-2.5 BF-M6	GP RING PVC PRESS. 1.5-2.5 BF-M6
206		GF-M4	GP OKO PVC LIS. 10-12 GF-M4	GP RING PVC PRESS. 10-12 GF-M4
207		GF-M6	GP OKO PVC LIS. 10-12 GF-M6	GP RING PVC PRESS. 10-12 GF-M6
208		CU 16-6 KU-L	GP OKO KABEL.TR. CU 16-6 KU-L	GP RING CABLE TR. CU 16-6 KU-L
209		CU 16-8 KU-L	GP OKO KABEL.TR. CU 16-8 KU-L	GP RING CABLE TR. CU 16-8 KU-L
210		CU 10-4 KU-SP	GP OKO KABEL TR. CU 10-4 KU-SP	GP RING CABLE TR. CU 10-4 KU-SP
211		CU 10-6 KU-SP	GP OKO KABEL TR. CU 10-6 KU-SP	GP RING CABLE TR. CU 10-6 KU-SP
212		GF-M5	GP OKO PVC LIS. 10-12 GF-M5	GP RING PVC PRESS. 10-12 GF-M5
221		RF-F408	GP KONEKT. PVC LIS.PLO.RF-F 408	GP CONECT. PVC PRESS.PLO.RF-F 408
222		RF-F608	GP KONEKT. PVC LIS.PLO.RF-F 608	GP CONECT. PVC PRESS.PLO.RF-F 608
223		RF-F608P	GP KONEKT. PVC LIS.PLO.RF-F 608P	GP CONECT. PVC PRESS.PLO.RF-F 608P
224		BF-F608	GP KONEKT. PVC LIS.PLO.BF-F 608	GP CONECT. PVC PRESS.PLO.BF-F 608
225		GF-F608	GP KONEKT. PVC LIS.PLO.GF-F 608	GP CONECT. PVC PRESS.PLO.GF-F 608
226		1226299	FASTON ZASTRCKA 6.3x0.8	2 MALES 6,3X0,8 CONNECTOR
231		DI 1.0-8	DUTINKA LISOVACI S IZOLACI	FERRULE-AL 0,25-6YE
241		650-50101R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING
242		650-50102R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING
243		650-50103R	PAJECI NAVLEK STINICI BUZIRKY	SOLDER AND SHIELD TUBING
261		BNC-VK 50C-RG58	KONEKTOR BNC-VK50-R658	BNC STRAIGHT PLUG CRIMP RG58
262		BNC-C 50 V90	KONEKTOR BNC 5MM KRIMPVACI V90 RG58	BNC RIGHT ANGLE PLUG CRIMP RG58
263		TNC-VKC-RG58	KONEKTOR TNC-VKC-RG58	TNC PLUG CRIMP RG58

Poz./Item No.	Mn./Q.[m]	PN Kabel/Cable	PN Vodič/Wire	NÁZEV	NAME
101		-	M22759/16 6-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
102		-	M22759/16 8-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
103		-	M22759/16 10-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
104		-	M22759/16 10-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
105		-	M22759/16 12-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
106		-	M22759/16 12-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
107		-	M22759/16 14-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
108		-	M22759/16 14-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
109		-	M22759/16 16-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
110		-	M22759/16 16-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
111		-	M22759/16 18-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
112		-	M22759/16 18-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
113		-	M22759/16 20-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
114		-	M22759/16 20-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
115		-	M22759/16 22-0	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
116		-	M22759/16 22-9	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED
151		M17/128-RG400		KABEL KOAXIAL	COAXIAL CABLE
152		42525		KABEL K CIDLU ALCO EGT	EGT TYPE K EXTENSION LEAD, 90"
153		M27500-18SB1T23		KABEL S IZOLACI	SHIELDED CONDUCTOR WITH XLETFE INSULATION
154		M27500-20 TG 2T14		KABEL S IZOLACI ETFE, NEMA/MS	MULTICONDUCTOR SHIELDED, JACKETED
155		M27500-20 TG 3T14		KABEL S IZOLACI ETFE	MULTICONDUCTOR SHIELDED, JACKETED
156		M27500-22 TG 2T14		KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED
157		M27500-22 TG 3T14		KABEL S IZOLACI	MULTICONDUCTOR SHIELDED, JACKETED

Material:									
Polotovár / Semi-product:									
Úprava povrchu / Finish:									
Hmotnost / Weight (kg):			Promítání / Projection:						
Měřítko / Scale:		Délkové rozměry / Units: mm		Tolerování / Toleration: ISO 8015					
[-]					Přesnost / accuracy: ISO 2768 - cL		B	28.06.2023	B.Hlůšek
					Nadřazená sestava / Parent assembly:		Index	Změna/Design change	Date
Kusů na letadlo / Pcs. on the plane:						Kreslí / Drawn by:	12.01.2022	B. Hlůšek	
		Skupina sled./ Traceability class		Číslo výkresu / Drawing number		34B540000N		Type:	Index / Revision:
		II		Název / Name:				KABELAZ MOTORU SESTAVA	Bristell B23-915
					ENGINE WIRING ASSEMBLY		List / Sheet:	Format / Size:	
							5/5	A2	

ENGINE ROTAX 912 USL



34B620009N GARMIN GEA 24

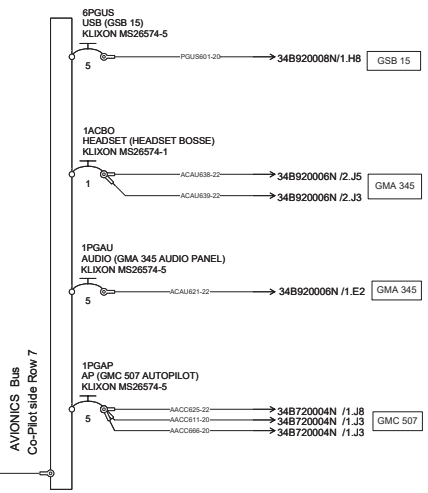
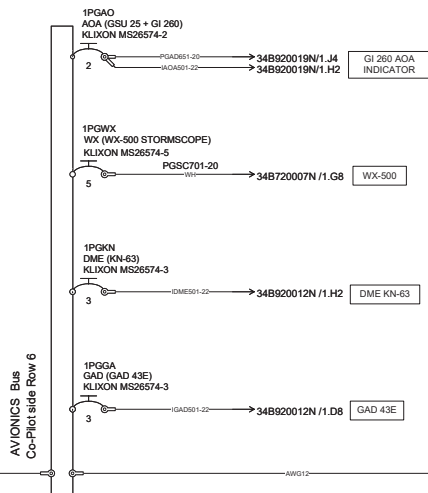
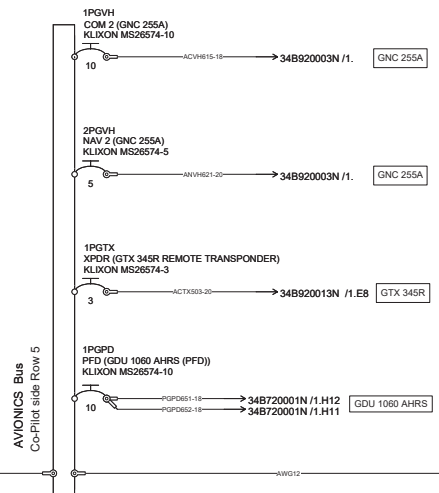
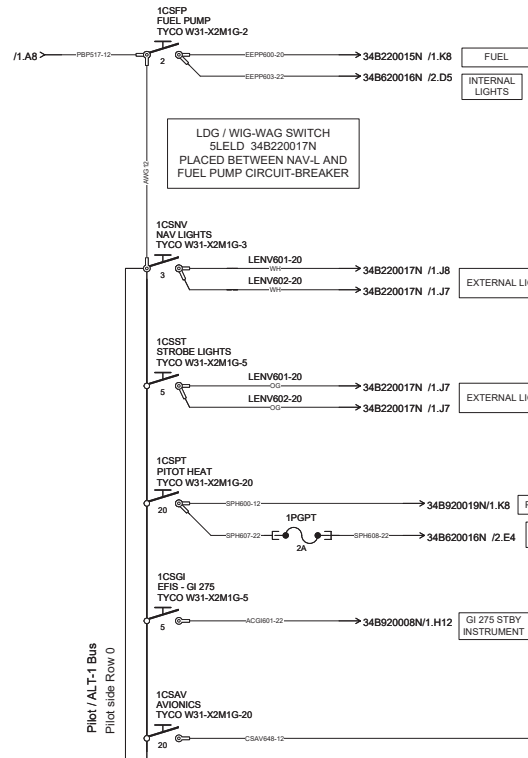
USED WIRE:
M22759/16-(AWG)-9

- WIRE SPLICE CONNECTION
- SHIELD BLOCK GROUND
- ⊥ AIRCRAFT GROUND

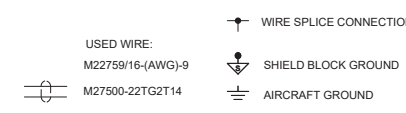
CHANGE VERSUS ISSUE B:
 - CHANGE OF IBBS BACKUP BATTERY GROUND WIRING: CONNECTOR P6 PIN 9, 10, 11 GROUNDING WITH INDIVIDUAL AWG 20 WIRES / SHEET 3.J2
 - ADDED BONDING WIRE FOR EXTERNAL ALTERNATOR IPAL048-8N / SHEET 1.P9
 - CHANGED WIRING BETWEEN ALT-C AND RESISTOR R1 (RN60D2201FB14) SHEET 1.K3
 - ADDED WIRES IPAL064-18 AND IPAL065-16 / SHEET 1.L3
 - ADDED SPLICES SP121 AND SP122 / SHEET 1.K3

NOTE: ALL METALLIC SWITCH HOUSINGS BONDED THROUGH INTERCONNECTING COPPER PLATES ON BACKSIDE OF PANEL IN THE SWITCH ROW AREA

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:				
1:1	Délkové rozměry / Units: mm	B		07.09.2023	B. Hložek
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslil / Drawn by	21.10.2022	B. Hložek
II	Skupina sled. / Traceability class		Číslo výkresu / Drawing number	34B620000N	
	Název / Name:	SYSTÉM NÁPAJENÍ ROTAX 912		Type:	Index / Revision:
		ELECTRICAL POWER SYSTEM ROTAX 912		BRISTELL B-23	B
				List / Sheet:	Format / Size:
				1 / 4	A2

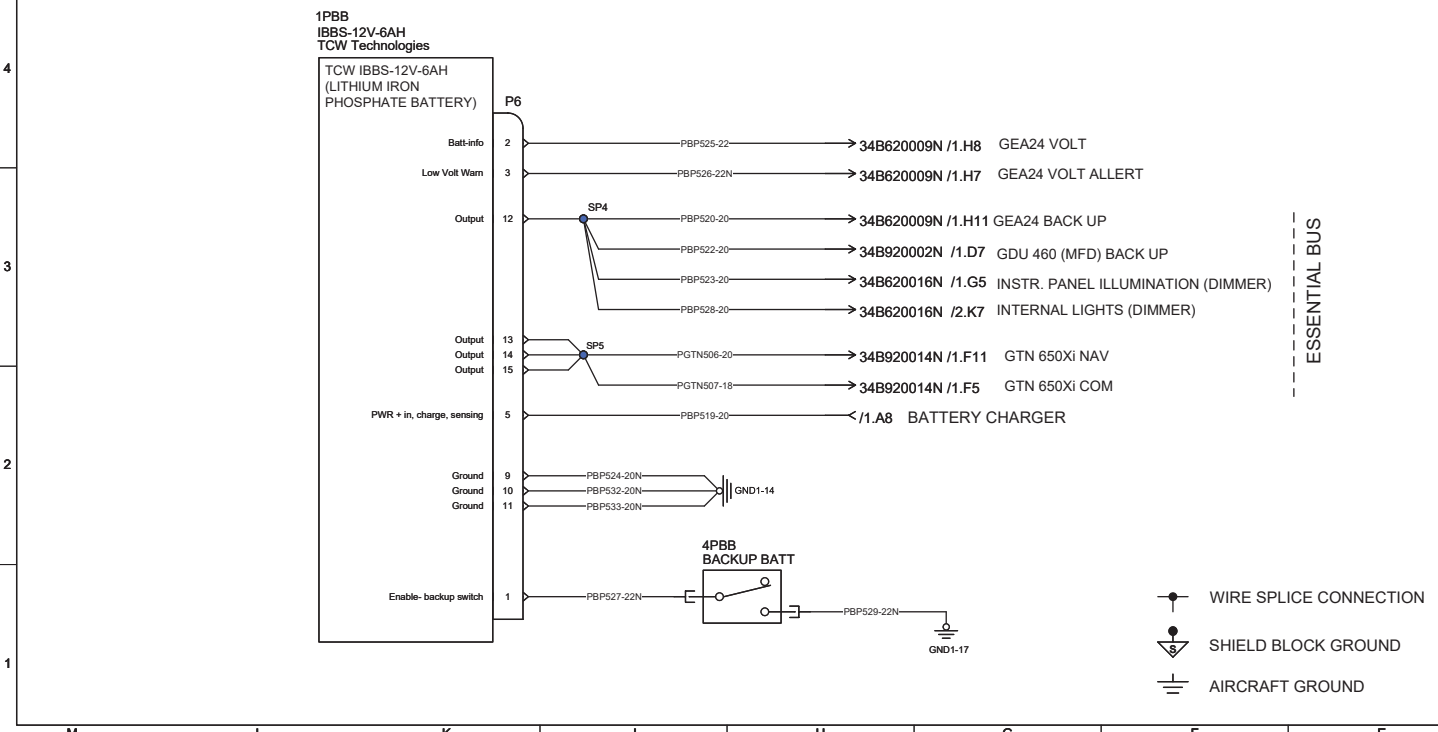
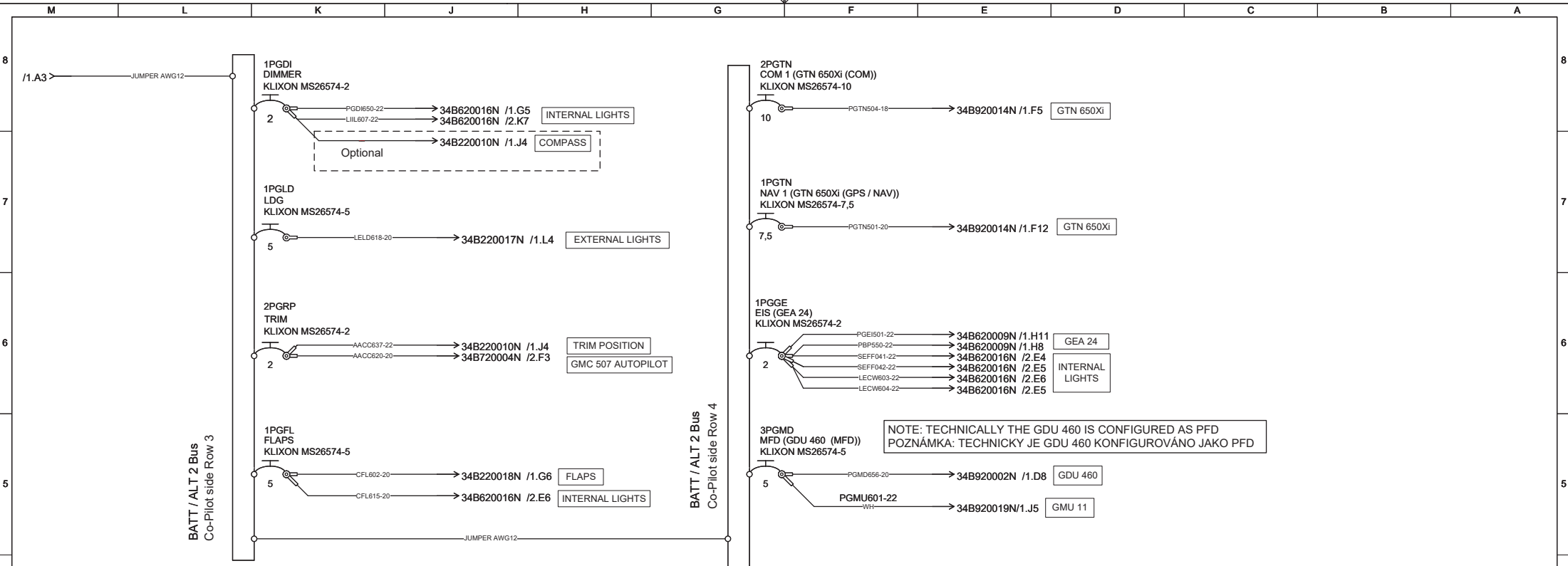


- 34B720001N GDU 1060 AHRS
- 34B920003N GNC 255A COM / NAV RADIO
- 34B720004N GARMIN GMC 507 AUTOPILOT
- 34B920006N GMA 345 AUDIO PANEL
- 34B720007N WX-500 STORMSCOPE
- 34B920008N GI 275 STANDBY INSTRUMENT
- 34B920012N GAD 43E ADAPTER + DME KN-63
- 34B920013N TRANSPONDER GTX345
- 34B220015N FUEL
- 34B620016N INTERNAL LIGHTS
- 34B220017N EXTERNAL LIGHTS
- 34B920019N GARMIN GI 260 AOA INDICATOR AND PITOT HEAT
- 34B920021N AIR TRAFFIC COLLISION AVOIDANCE SYSTEM



Note: all metallic switch housings bonded through interconnecting copper plates on backside of panel in the switch row area
 Poznámka: všechna kovová pouzdra jističů, pojistek a spínačů jsou společně propojena pomocí měděných plíšků za přístrojovou deskou

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Mřížka / Scale:	1:1				
Přesnost / accuracy:					
Tolerování / Toleration:					
Skupina sled. / Traceability class:	II	Číslo výkresu / Drawing number:	34B620000N	Type:	BRISTELL B-23
Název / Name:	SYSTEM NÁPAJENÍ ROTAX 912		Electrical Power System ROTAX 912	List / Sheet:	2 / 4
				Format / Size:	A1





- USED WIRE:
M22759/16-XX-9
- 34B920002N GARMIN GDU 460
 - 34B720004N GMC 507 AUTOPILOT
 - 34B620009N GARMIN GEA 24
 - 34B220010N G3X TRIM POSITION
 - 34B920014N GTN 650XI COM/NAV/GPS
 - 34B620016N INTERNAL LIGHTS
 - 34B220017N EXTERNAL LIGHTS
 - 34B220018N FLAPS
 - 34B920019N GARMIN GI 260 AOA INDICATOR AND PITOT HEAT

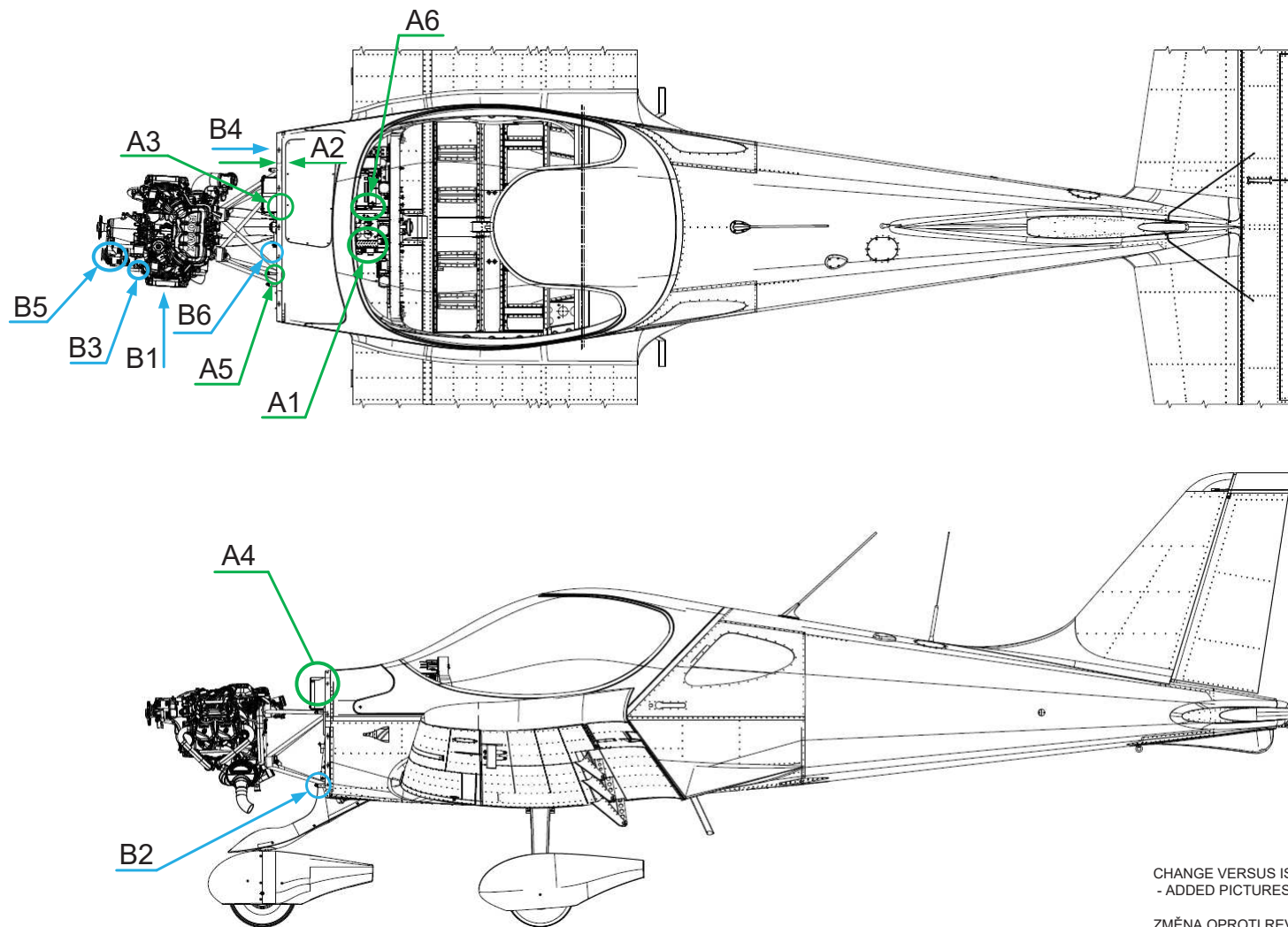
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Polotovár / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Promítání / Projection:	Délkové rozměry / Units: mm		B	07.09.2023	B. Hložek	
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
	Tolerování / Toleration:	Kreslí / Drawn by		21.10.2022	B. Hložek		
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B620000N		Type:	Index / Revision:	
	II	Název / Name:			SYSTÉM NAPÁJENÍ ROTAX 912	BRISTELL B-23	B
ELECTRICAL POWER SYSTEM ROTAX 912					List / Sheet:	Format / Size:	
					3 / 4	A2	

Used material:

WIRES		WIRES		WIRES		COMPONENTS		COMPONENTS	
Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N
AACC611-20	M22759/16 20-9	PBP519-20	M22759/16 20-9	PGUS601-20	M22759/16 20-9	1ACBO	7274-2-1	2PGEP	LED 5mm RED
AACC620-20	M22759/16 20-9	PBP520-20	M22759/16 20-9	SEFF041-22	M22759/16 22-9	1CSAV	11-03933	2PGRP	7274-2-2
AACC625-22	M22759/16 22-9	PBP522-20	M22759/16 20-9	SEFF042-22	M22759/16 22-9	1CSFP	11-03893	2PGST	992818
AACC637-22	M22759/16 22-9	PBP523-20	M22759/16 20-9	SPH600-12	M22759/16 12-9	1CSGI	11-03936	2PGTN	7274-2-10
AACC666-20	M22759/16 20-9	PBP524-20N	M22759/16 20-0	SPH607-22	M22759/16 22-9	1CSNV	11-04268	2PGVH	7274-2-5
ACAU621-22	M22759/16 22-9	PBP525-22	M22759/16 22-9	SPH608-22	M22759/16 22-9	1CSPT	11-03933	3PCP	EAN 8595563713488
ACAU638-22	M22759/16 22-9	PBP526-22N	M22759/16 22-0			1CSST	11-03936	3PGAL	LAMAR OS75-14
ACAU639-22	M22759/16 22-9	PBP527-22N	M22759/16 22-0	CABLES		1PAL	ROTAX P/N: 887251	3PGBT	11-04119
ACGI601-22	M22759/16 22-9	PBP528-20	M22759/16 20-9	Designation	Manufacturer P/N	1PBB	IBBS-12V-6AH	3PGBP	1N4007
ACTX503-20	M22759/16 20-9	PBP529-22N	M22759/16 22-0	IPSB043-18	M27500-18SB1T23	1PCP	STU 46002	3PGMD	7274-2-5
ACVH615-18	M22759/16 18-9	PBP532-20N	M22759/16 20-0	IPSB044-18	M27500-18SB1T23	1PGAL	EAN 8595563713518	3PGST	992818
ANVH621-20	M22759/16 20-9	PBP533-20N	M22759/16 20-0	LENV601-20	M27500-20 TG 3T14	1PGA0	7274-2-2	4PBB	EAN 8595563713518
AWG12	M22759/16 12-9	PBP550-22	M22759/16 22-9	LENV602-20	M27500-20 TG 3T14	1PGAP	7274-2-5	4PCP	EAN 8595128241739
AWG20	M22759/16 20-9	PGAD651-20	M22759/16 20-9	PGMU601-22	M27500-22 TG 2T14	1PGAU	7274-2-5	4PGAL	LAMAR OS75-14
AWG22	M22759/16 22-9	PGBT010-10	M22759/16 10-9	PGSH648-22	M27500-22 TG 2T14	1PGBT	RB0092M60230	4PGBT	1N4007
AWG8	M22759/16 8-9	PGBT011-6	M22759/16 6-9	SERP001-22	M27500-22 TG 2T14	1PGDI	7274-2-2	4PGST	1N5408
CFL602-20	M22759/16 20-9	PGBT012-10	M22759/16 10-9			1PGEP	STU 46002	5PCP	EAN 8595128241739
CFL615-20	M22759/16 20-9	PGBT013-6N	M22759/16 6-9	SPLICES		1PGFL	7274-2-5	5PGAL	11-03929
CSAV648-12	M22759/16 16-9	PGBT014-6N	M22759/16 6-9	Designation	Manufacturer P/N	1PGGA	7274-2-3	5PGST	11-03172
EPP600-20	M22759/16 20-9	PGBT015-6N	M22759/16 6-9	SP1	S01-02-R	1PGGE	7274-2-2	6PCP	ALS30A223DB025
EPP603-22	M22759/16 22-9	PGCP007-10	M22759/16 10-9	SP2	S01-02-R	1PGKN	11-08356	6PGAL	11-04120
IAOA501-22	M22759/16 22-9	PGCP008-10N	M22759/16 10-0	SP3	S01-02-R	1PGLD	7274-2-5	6PGST	EAN 8595128241739
IDME501-22	M22759/16 22-9	PGDI650-22	M22759/16 22-9	SP4	S01-02-R	1PGPD	7274-2-10	6PGUS	11-08358
IGAD501-22	M22759/16 22-9	PGEI501-22	M22759/16 22-9	SP5	S01-03-R	1PGPT	UNIVAL 2A	7PCP	ROTAX P/N: 965349
ILAH501-22	M22759/16 22-9	PGEM002-10N	M22759/16 10-0	SP6	S01-03-R	1PGST	11-03929	7PGAL	11-03929
ILAH502-22	M22759/16 22-9	PGEM006-20	M22759/16 20-9	SP121	D-436-37	1PGTN	7274-2-7,5	8PCP	EAN 8595128241739
IPAL048-8N	M22759/16 8-0	PGEP010-22	M22759/16 22-9	SP122	D-436-38	1PGTX	7274-2-3	9PCP	MS27212-1-4
IPAL049-18	M22759/16 18-9	PGEP042-20	M22759/16 20-9			1PGVH	7274-2-10	10PGAL	11-03930
IPAL050-8	M22759/16 8-9	PGEP050-22	M22759/16 22-9	CONNECTORS		1PGWX	7274-2-5	10PGAL	11-04118
IPAL051-22	M22759/16 22-9	PGEP507-22N	M22759/16 22-0	Designation	Manufacturer P/N	2PAL	ALS30A223DB025	R1	RN60D2201FB14
IPAL052-22N	M22759/16 22-0	PGEP508-20	M22759/16 20-9	4PGEP	992G2-BK	2PBB	11-03929	R2	2.2kOhm
IPAL054-18	M22759/16 18-9	PGEP509-22N	M22759/16 22-0	P6	IBBS-Dsub-Conn	2PCP	UMA 1CU4	R3	22kOhm
IPAL058-10	M22759/16 10-9	PGEP510-22	M22759/16 22-9			2PGAL	EAN 8595563713518	R4	680kOhm
IPAL059-10N	M22759/16 10-0	PGMD656-20	M22759/16 20-9			2PGBT	EAN 8595128241722		
IPAL064-18	M22759/16 18-9	PGPD651-18	M22759/16 18-9						
IPAL065-16	M22759/16 16-9	PGPD652-18	M22759/16 18-9						
IPAL082-18	M22759/16 18-9	PGSA643-22N	M22759/16 22-0						
IPRE047-10	M22759/16 10-9	PGSA700-22N	M22759/16 22-0						
IPRE048-20	M22759/16 20-9	PGSH632-20N	M22759/16 20-0						
IPRE049-22	M22759/16 22-9	PGSH644-10	M22759/16 10-9						
IPRE050-20	M22759/16 20-9	PGSH645-10	M22759/16 10-9						
IPRE051-20	M22759/16 20-9	PGSH646-22	M22759/16 22-9						
IPRE052-22N	M22759/16 22-0	PGSH647-22	M22759/16 22-9						
IPSB044-20N	M22759/16 20-0	PGST004-20	M22759/16 20-9						
IPSB045-20	M22759/16 20-9	PGST008-6	M22759/16 6-9						
LECW603-22	M22759/16 22-9	PGST009-6	M22759/16 6-9						
LECW604-22	M22759/16 22-9	PGTN501-20	M22759/16 20-9						
LELD618-20	M22759/16 20-9	PGTN504-18	M22759/16 18-9						
LIIL607-22	M22759/16 22-9	PGTN506-20	M22759/16 20-9						
PBP517-12	M22759/16 12-9	PGTN507-18	M22759/16 18-9						


Material:					
Polotovar / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítka / Scale:	Promítání / Projection: 				
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				4/4	A3
				34B620000N	
				SYSTÉM NAPÁJENÍ ROTAX 912	
				ELECTRICAL POWER SYSTEM ROTAX 912	


A - PARTS ELECTRICALLY GROUNDED / A - SOUČÁSTI ELEKTRICKY UZEMĚNÉ
 B - PARTS ELECTRICALLY BONDED / B - SOUČÁSTI ELEKTRICKY UKOSTŘENÉ





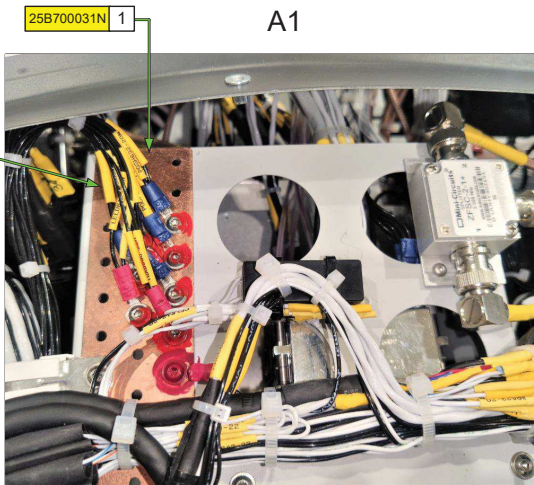
CHANGE VERSUS ISSUE C:
 - ADDED PICTURES SHOWING BONDING OF EXTERNAL ALTERNATOR / SHEET 3.F4; 3.D4

ZMĚNA OPROTÍ REVIZI C:
 - PŘIDÁNO ZOBRAZENÍ UKOSTŘENÍ BLOKU EXTERNÍHO ALTERNÁTORU / LIST 3.F4; 3.D4

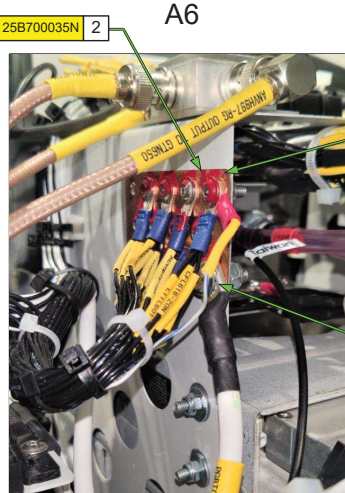
 GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.

 KOSTŘIČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

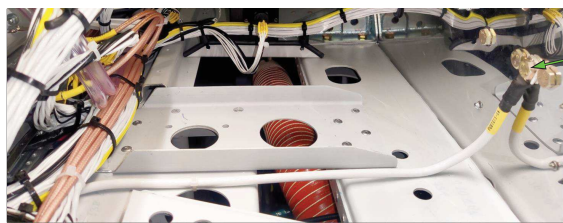
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Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
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	Tolerování / Toleration:		Kreslil / Drawn by	06.12.2022	B. Hložek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B620200N		Type: Index / Revision:
	II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23 C
			List / Sheet:	1 / 7	Format / Size: A2



A1



A6



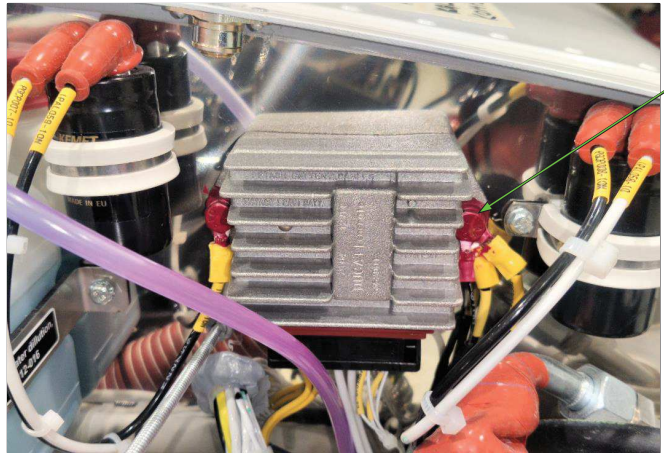
A2

FIREWALL INSULATION OMITTED FOR BETTER VISUALIZATION
IZOLACE POŽÁRNÍ PŘEPÁŽKY VYNECHÁNA PRO LEPŠÍ ZOBRAZENÍ

S.L. →



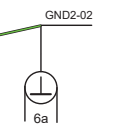
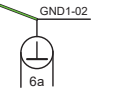
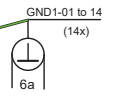
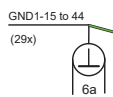
A3



A4



A5

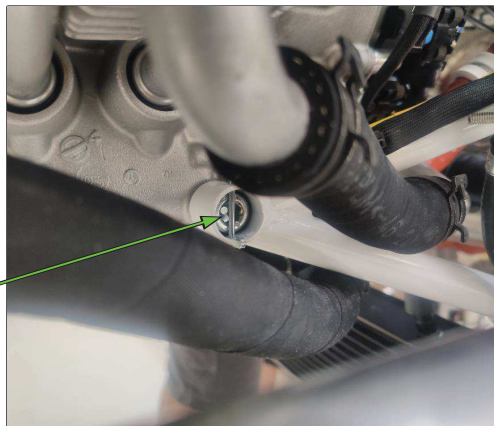


GND1 - GROUNDING BRIDGE / ZEMNÍČÍ MŮSTEK
GND2 - FIREWALL / POŽÁRNÍ PŘEPÁŽKA

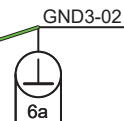
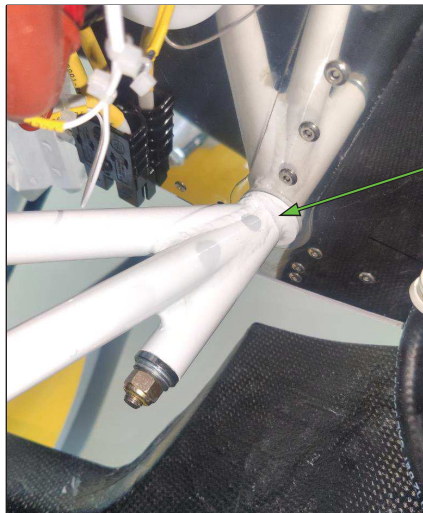
GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.
 KOSTŘÍČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Mřížko / Scale:	Prohlášení / Projection:	c		07.11.2023	B. Hůček
1:1	Délkové rozměry / Units: mm	b		16.01.2023	B. Hůček
Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature	
Tolerance / Tolerance:	Kreslí / Drawn by		06.12.2022	B. Hůček	
Skupina sled. / Traceability class	Cílo výstavu / Drawing number	34B620200N		Type:	Index / Revision:
II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ		BRISTELL	C
		ELECTRICAL GROUNDING		List / Sheet:	Format / Size:
				2 / 7	A1

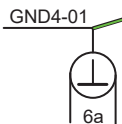
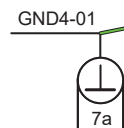
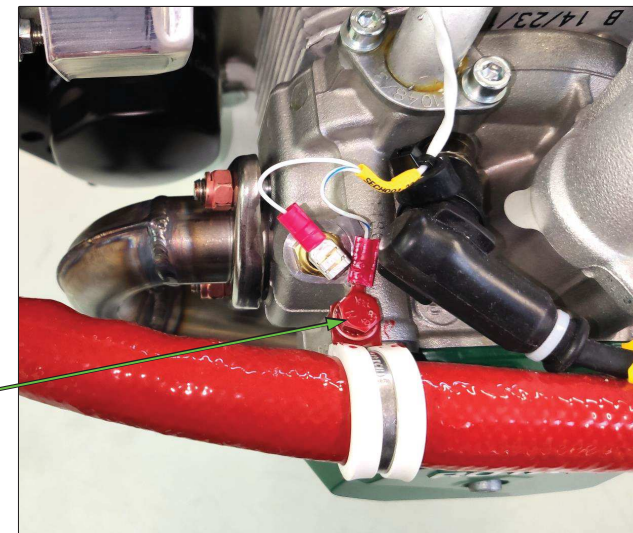
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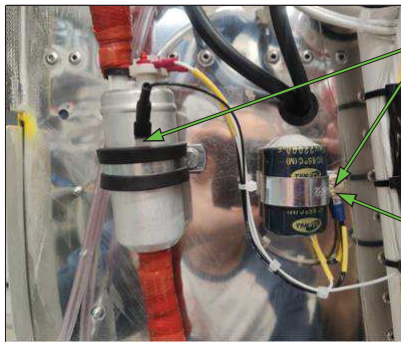
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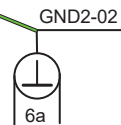
B3



B4

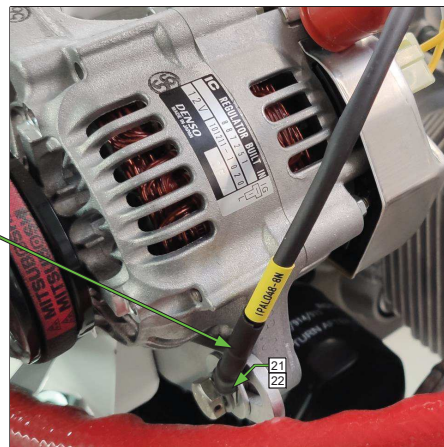


Fuel pump housing bonded to the firewall
Material used for bonding listed in
34B240000N.
Ukostoní palivové pumpy na požární
přepážku. Materiál pro ukostoní je zahrnut
ve výkrese 34B240000N.

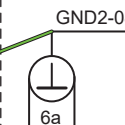
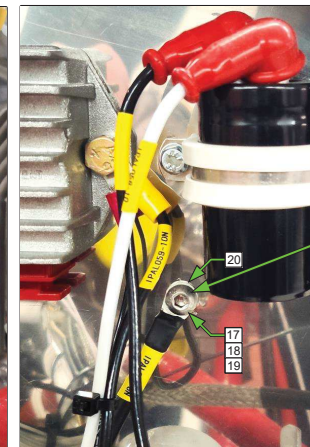


Bonding of the external alternator
Ukostoní externího alternátoru
Installation of the alternator
bonding cable is shown in
drawing 34B220204N.
Instalace kostřičího kabelu
alternátoru je zobrazena na
výkrese 34B220204N.


B5





B6

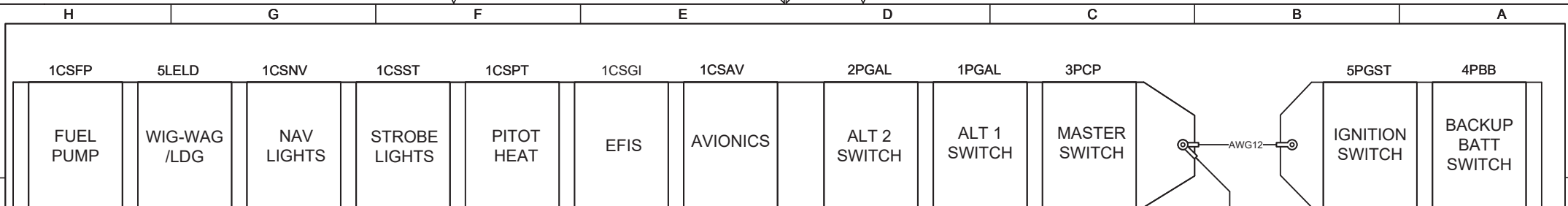


GND2 - Firewall
GND3 - Engine mount
GND4 - Engine block

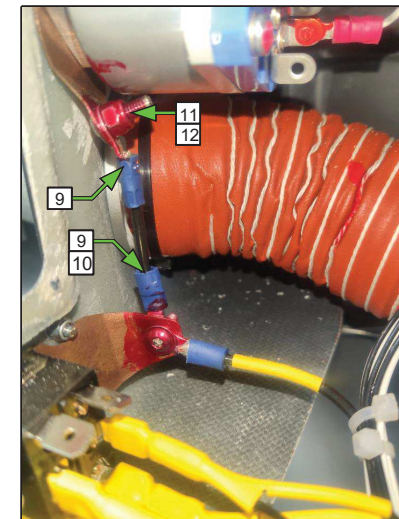
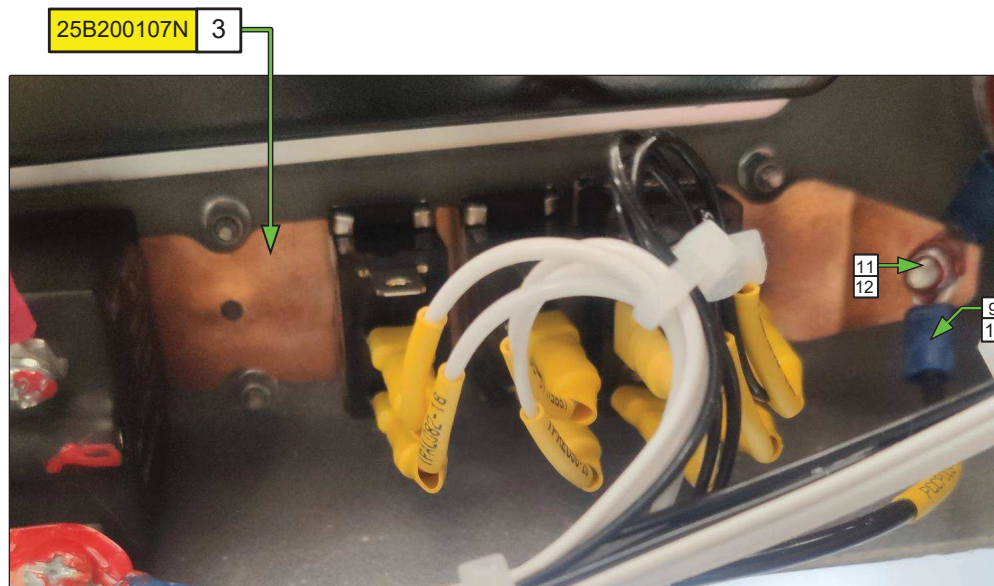
 GROUNDING POINTS ARE
CONDUCTIVELY
INTERCONNECTED ACCORDING
TO ONL 6621 6A 7A

 KOSTŘIČÍ BODY JSOU SPOLU
VODIVĚ PROPOJENY DLE NORMY
ONL 6621 6A.

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Prostřední / Projection:	c		07.11.2023	B. Hložek
	Délkové rozměry / Units: mm	B		16.01.2023	B. Hložek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
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	Skupina sled. / Traceability class	Číslo výkresu / Drawing number		34B620200N	
	II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ		Type: BRISTELL B-23
		ELECTRICAL GROUNDING		List / Sheet: 3 / 7	Format / Size: A2
					Index / Revision: C



CB and Switch Housing interconnection (copper plate)



Wire used for interconnecting copper plates M22759/16-12-0

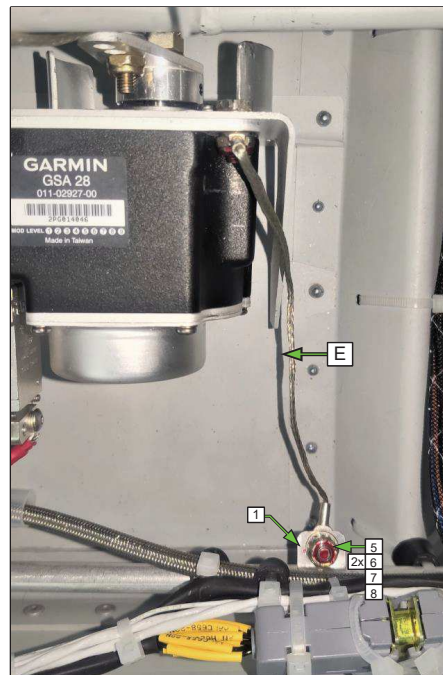
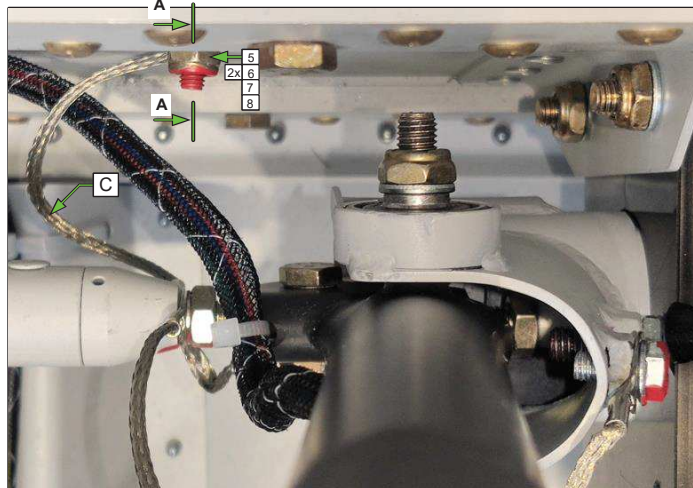
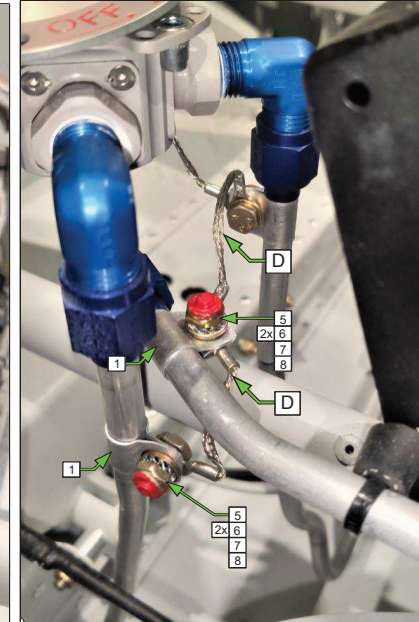
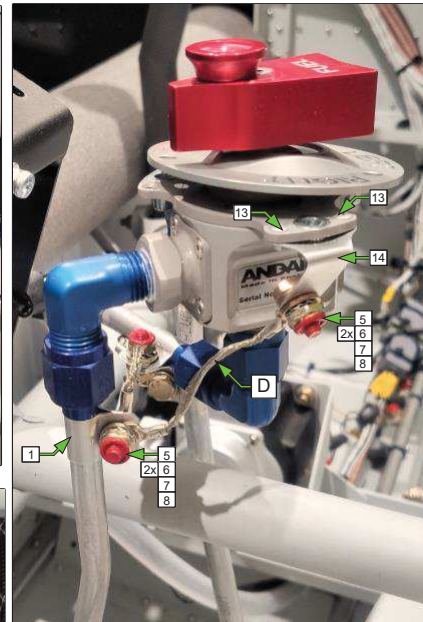
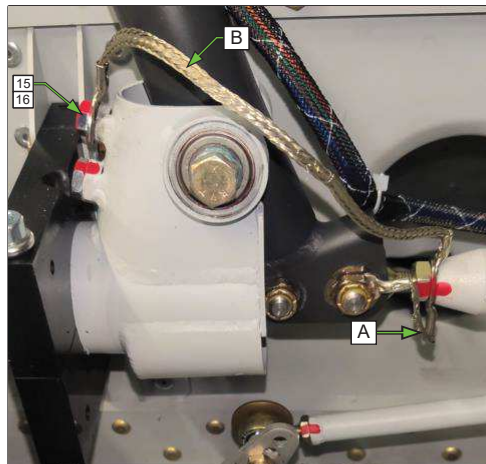
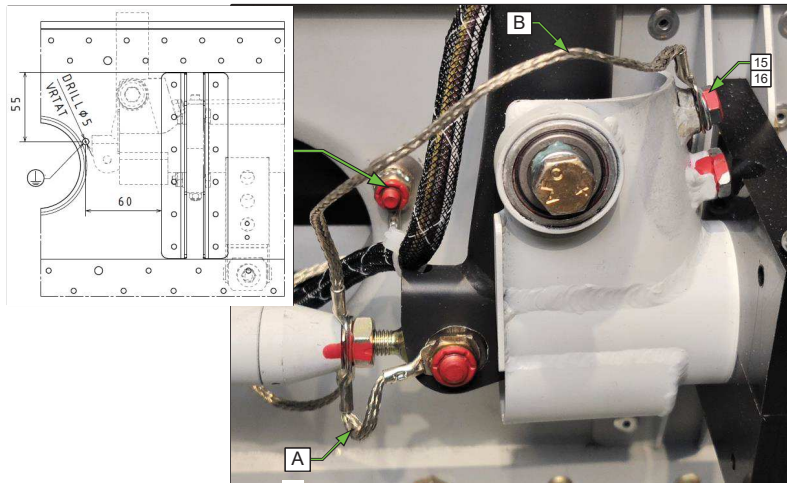
Material used for copper plates: EN 1652 Cu – DHP R240 0,55mm

All metallic CB and switch housings bonded through interconnecting copper plates on the backside of the instrument panel in the switch row area.

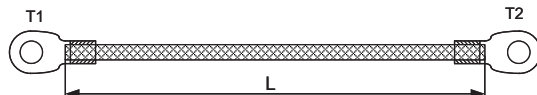
Item No.	Qty	Draw. No.	Name
1	1	25B700031N	GROUNDING PLATE
2	1	25B700035N	GROUNDING PLATE
3	1	25B200107N	GROUNDING PLATE
4	1	25B200108N	GROUNDING WASHER

Material:						
Polotovár / Semi-product:						
Úprava povrchu / Finish:						
Hmotnost / Weight (kg):						
Měřítko / Scale: 1:1	Promítání / Projection:		C	07.11.2023	B. Hlůšek	
	Délkové rozměry / Units: mm		B	16.01.2023	B. Hlůšek	
	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:			Kreslí / Drawn by	06.12.2022	B. Hlůšek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B620200N		Type: BRISTELL B-23	
	II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		Index / Revision: C	
			List / Sheet: 4 / 7	Format / Size: A3		

INSTALLATION OF BONDING JUMPERS UMÍSTĚNÍ KOSTŘIČÍCH PÁSKŮ



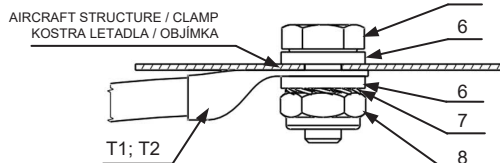
USED BONDING BRAID MATERIAL: TIN PLATED COPPER SLEEVING – RAY-101-3.0(100)
 POUŽITÝ STÍNÍCÍ MATERIÁL – CÍNEM POKOVANÝ MĚDĚNÝ OPLET - RAY-101-3.0(100)



L – BRAID LENGTH / L - DÉLKA STÍNĚNÍ
 T1, T2 – USED TERMINAL LUG / T1,T2 - POUŽITÉ KABELOVÉ OKO

Bonding jumper	Qty	L (mm)	T1	T2
A	2	40	92R/6	92R/6
B	2	155	92R/6	92R/6
C	1	110	92R/6	92R/5
D	3	50	92R/5	92R/5
E	1	150	92R/5	92R/6

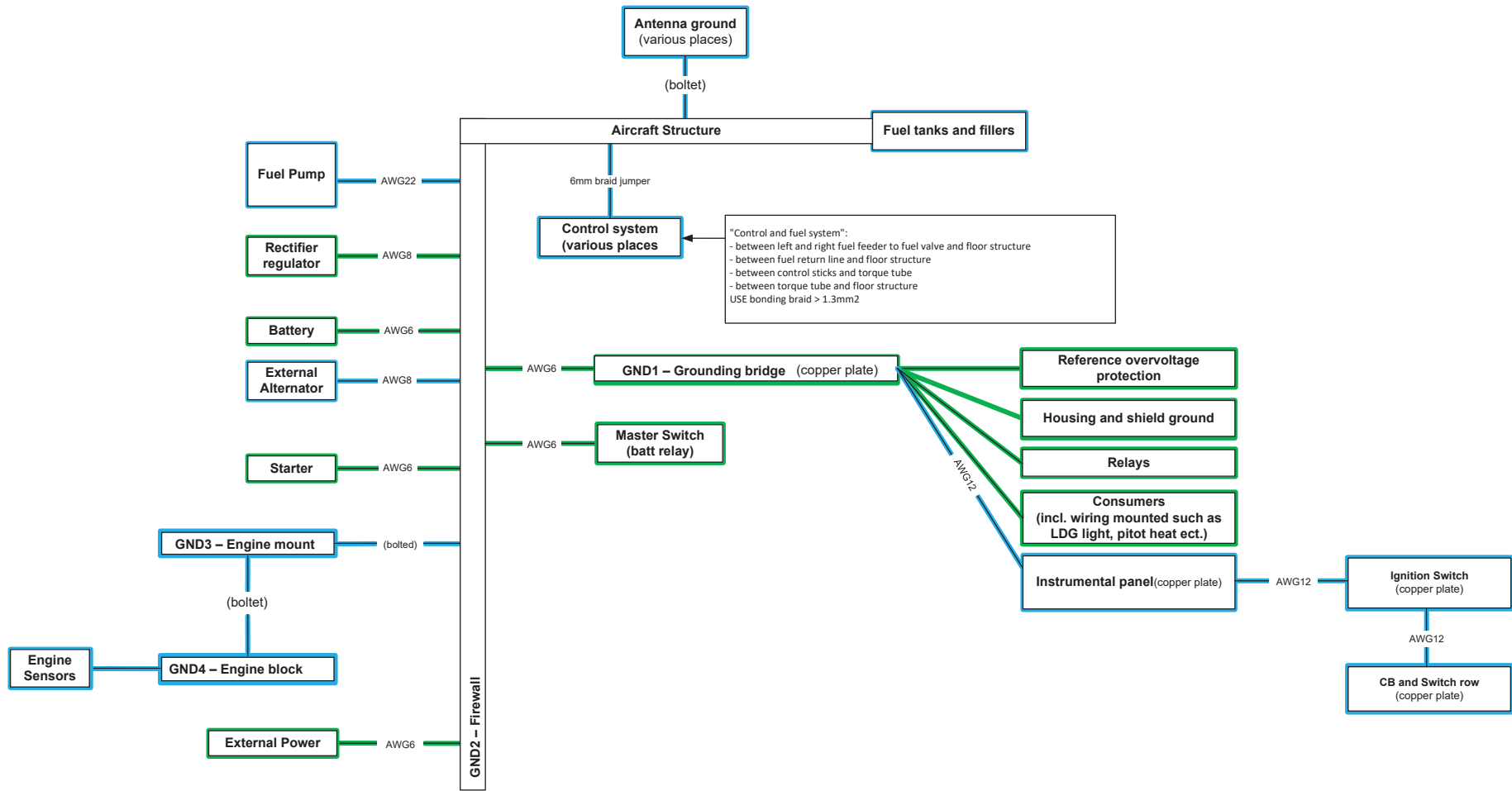
A-A
 DETAIL A FOR ALL POS. 5
 DETAIL A PRO VŠECHNY POZICE 5



REMOVE PAINTING AND CLEAN THE MOUNTING SURFACE PRIOR TO INSTALLATION OF BONDING JUMPERS BY USING ALCOHOL CLEANER . WHEN THE MOUNTING SURFACE IS CLEAN AND DRY APPLY ALODINE AND HAVE IT PROPERLY DRIED UNTIL THE PROTECTIVE FILM IS CREATED.
 ODSTRAŇ OCHRANNÝ NÁTĚR V MÍSTĚ UCHYCENÍ KOSTŘIČIHO PÁSKU A PO TĚ ODMASTI OBNAŽENÝ POUVRCH. PO ODMASTĚNÍ NATŘI TOTO MÍSTO PROTŘEDKEM ALODINE A NECH DŮKLADNĚ PROSCHNOUT DOKUD SE NEVYTVOŘÍ OCHRANNÝ FILM.

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:	c		07.11.2023	B. Hložek
1:1	Délkové rozměry / Units: mm	B		16.01.2023	B. Hložek
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslí / Drawn by	06.12.2022	B. Hložek
II	Skupina sled. / Traceability class	Číslo výkresu / Drawing number		34B620200N	
	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		Type: BRISTELL B-23	Index / Revision: C
		List / Sheet: 5 / 7		Format / Size: A2	

█ ELECTRICAL GROUNDING
█ ELECTRICAL BONDING

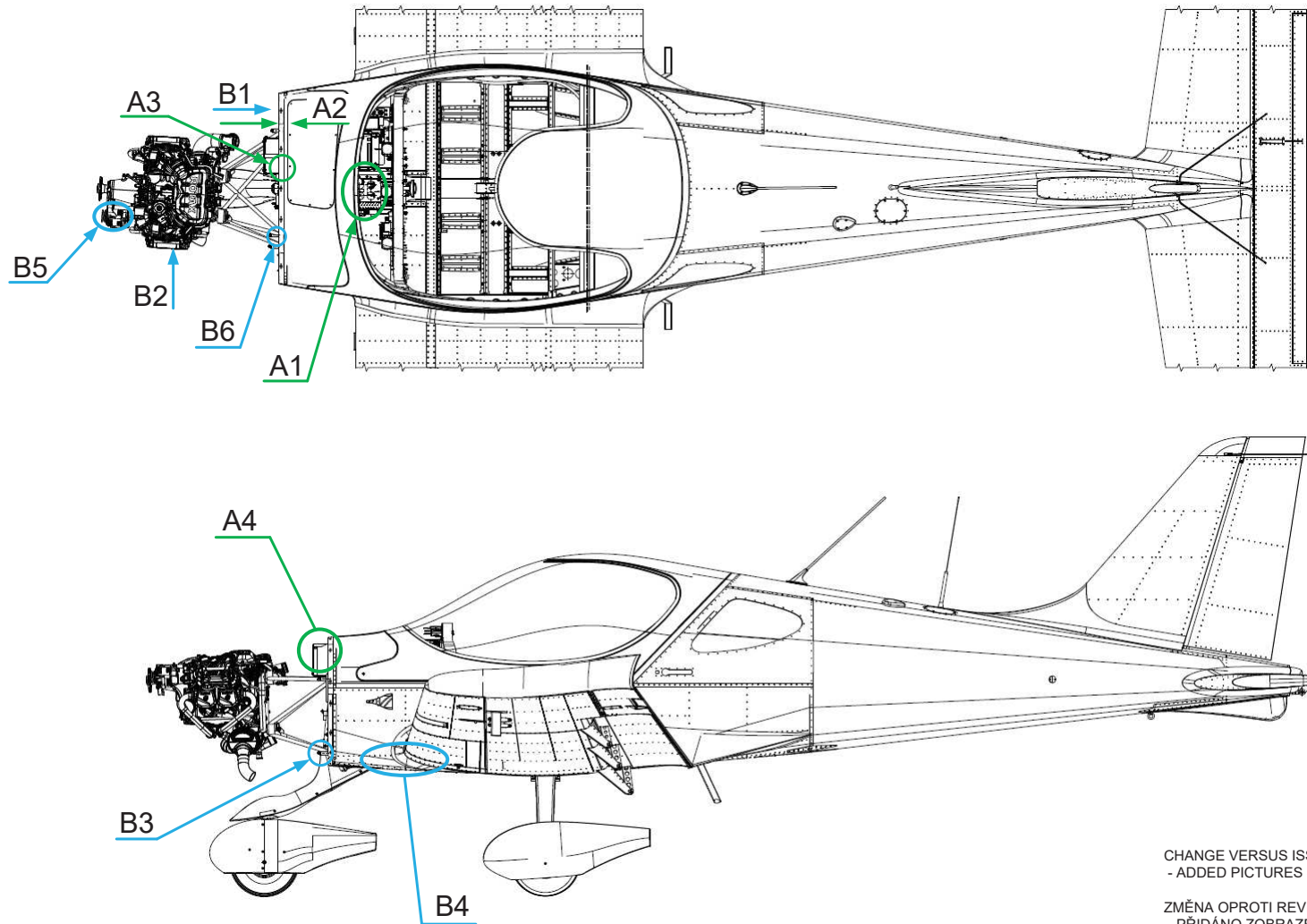



Material used for copper plates: EN 1652 Cu – DHP R240 0,55mm


Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekční / Projection:		c	07.11.2023	B. Hložek
1:1	Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslí / Drawn by	06.12.2022	B. Hložek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B620200N		Type: Index / Revision:
	II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ		BRISTELL B-23
			ELECTRICAL GROUNDING		List / Sheet: Format / Size:
			6 / 7		A2

D		C		B		A	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name		
1	4	34B220201N	A	KOSTRICI OBJIMKA	BONDING CLAMP		
2	1	RAY-101-3		STINICI OPLET	BONDING BRAID		
3	10	92R/5		OKO KABEL, M5	TERMINAL LUG M5		
4	11	92R/6		OKO KABEL, M6	TERMINAL LUG M6		
5	7	AN3-3A		SROUB	BOLT		
6	16	AN960-10		PODLOZKA	WASHER		
7	7	5,3 DIN 6798 ZN		VEJIROVA PODLOZKA	STAR LOCK WASHER		
8	7	MS21083N3 (AN364-1032A)		SAMOJISTNA MATICE	S. L. NUT		
9	4	BF-M4		GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS 1.5-2.5 BF-M4		
10	1	M22759/16 12-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
11	2	M4x8 ISO7380 A2		SROUB	BOLT		
12	2	M4 DIN985 ZN		SAMOJISTNA MATICE	S. L. NUT		
13	2	M5x10 DIN 933		SROUB	BOLT		
14	2	5,3 DIN 125A		PODLOZKA	WASHER		
15	1	1226299		FASTON ZASTRCKA 6,3x0,8 mm	INSULATED		
16	1	M22759/16 22-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
17	1	RF-M5		GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS 0.5-1.5 RF-M5		
18	1	M6x16 ISO 7380-1 A2		SROUB	BOLT		
19	1	M6 DIN 985 ZN		SAMOJISTNA MATICE	S. L. NUT		
20	1	6,4 DIN 125A ZN		PODLOZKA	WASHER		
21	1	CU 10x6 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
22	1	CU 10x8 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
23	1	M22759/16 8-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
Material: -							
Polotovar / Semi - product: -							
Úprava povrchu / Finish: -							
Hmotnost / Weight (kg): -							
Měřítko / Scale:	Promítání / Projection: 			C		07.11.2023	B.Hlůšek
	Délkové rozměry / Units: mm			B		16.01.2023	B.Hlůšek
[-]	Přesnost / accuracy : ISO 2768 - cL			Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015				Kresil / Drawn by	06.12.2022	B.Hlůšek
		Skupina sled./ Traceability class	Číslo výkresu / Drawing number	<h1>34B620200N</h1>		Type:	Index / Revision:
		II	Název / Name:			BRISTELL B8	C
				ELEKTRICKE UKOSTRENI		List / Sheet:	Format / Size:
				ELETRICAL GROUDING		[7/7]	A4

A - PARTS ELECTRICALLY GROUNDED / A - SOUČÁSTI ELEKTRICKY UZEMĚNÉ
 B - PARTS ELECTRICALLY BONDED / B - SOUČÁSTI ELEKTRICKY UKOSTŘENÉ





 GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.

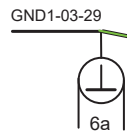
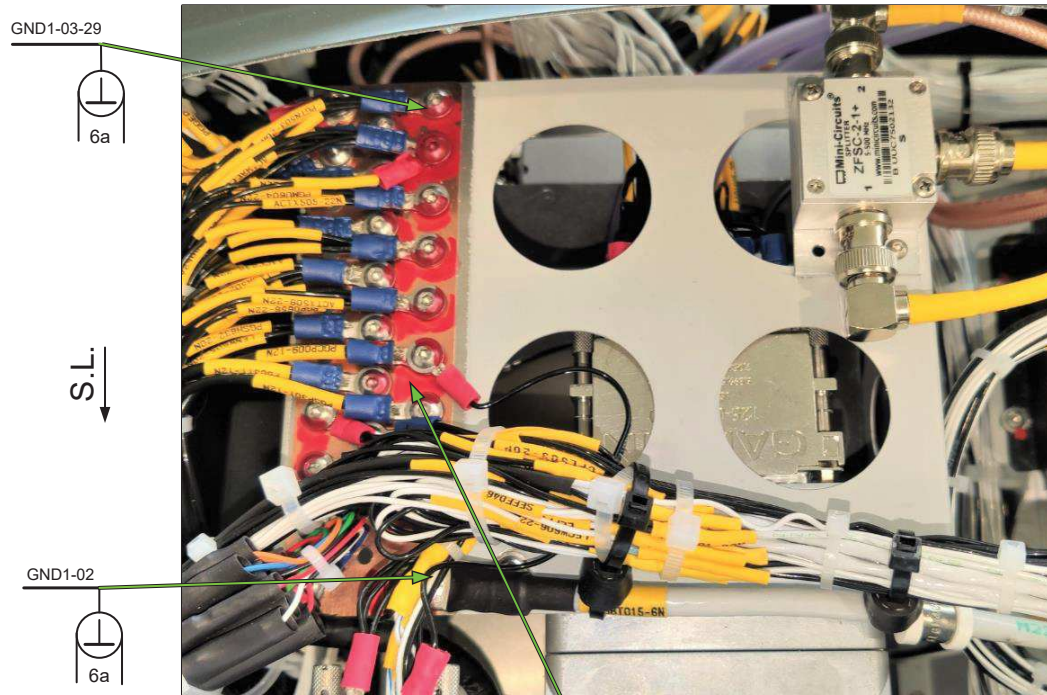
 KOSTŘÍČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

CHANGE VERSUS ISSUE C:
 - ADDED PICTURES SHOWING BONDING OF EXTERNAL ALTERNATOR / SHEET 3.H3; 3.F4

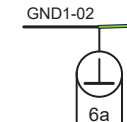
ZMĚNA OPROTÍ REVIZI C:
 - PŘIDÁNO ZOBRAZENÍ UKOSTŘENÍ BLOKU EXTERNÍHO ALTERNÁTORU / LIST 3.H3; 3.F4

Material:										
Polotovár / Semi-product:										
Úprava povrchu / Finish:										
Hmotnost / Weight (kg):										
Měřítko / Scale:	Projekční / Projection:		c	07.11.2023	B. Hložek					
	Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek					
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature				
	Tolerování / Toleration:			Kreslil / Drawn by	23.05.2022	B. Hložek				
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B720200N			Type:	Index / Revision:			
II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ			List / Sheet:	Format / Size:				
		ELECTRICAL GROUNDING			1 / 7	A2				

A1

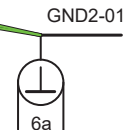


S.L. ↓

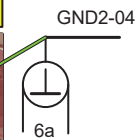
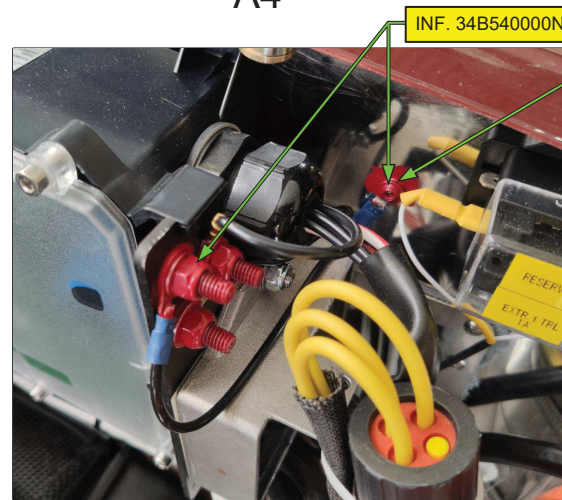


INF. 25B70000N

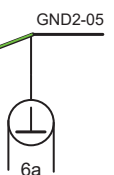
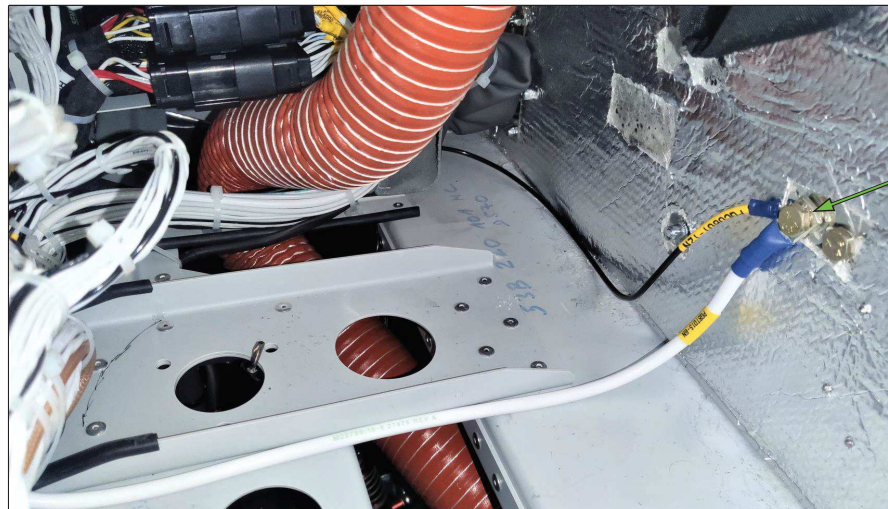
A3



A4





A2





S.L. →

GND1 - GROUNDING BRIDGE / ZEMŇIČKA MŮSTEK
 GND2 - FIREWALL / POŽÁRNÍ PŘEPÁŽKA

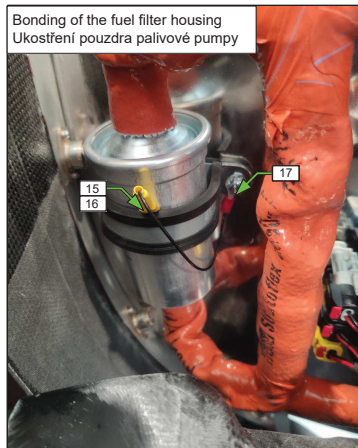
 GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A.

 KOSTŘIČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

Material used for the copper plate at the main GND1: EN 1652 Cu – DHP R240 0,55mm

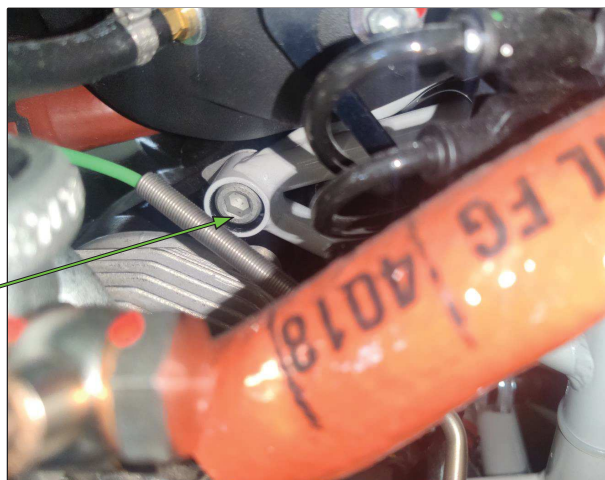
Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Projekční / Projection:		c	07.11.2023	B. Hložek
	Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date
	Tolerování / Toleration:			Kreslí / Drawn by	B. Hložek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B720200N		Type: Index / Revision:
	II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23 List / Sheet: Format / Size: 2 / 7 A2

B1



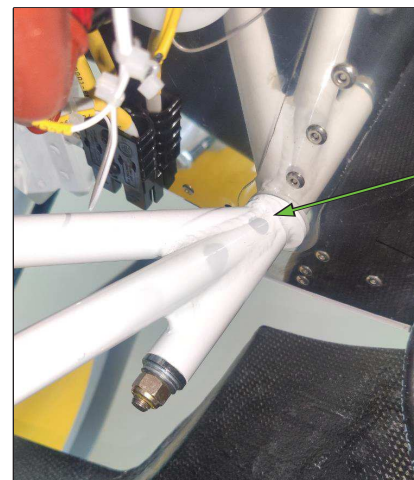
Bonding of the fuel filter housing
Ukostění pouzdra palivové pumpy

B2



GND4-01
6a

B3



GND3-02
6a

B4



Bonding of the fuel pump - The fuel pump is bolted to the aluminium console which is attached with bolts to the aircraft structure.

Ukostění palivové pumpy - Palivová pumpa je přišroubovaná na hliníkovou konzoli, který je přišroubovaná k rámu letadla.

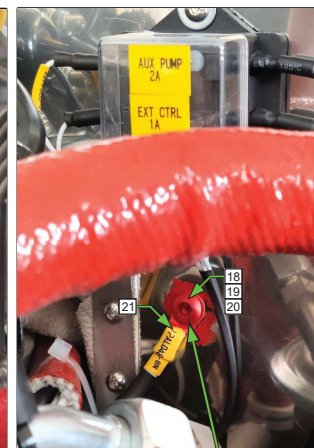
B5



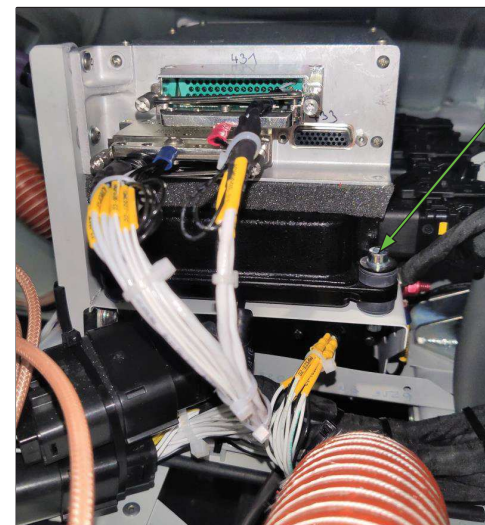
Bonding of the external alternator
- alternator bonding cable drawing 34B220203N
- cable installation drawing 34B220204N

Ukostění externího alternátoru
- kostičící kabel alternátoru výkres 34B220203N
- instalace kabelu výkres 34B220204

B6



GND2-08
6a



According to Rotax ECU housing must be isolated versus airframe ground.
Podle Rotaxu musí být pouzdro ECU izolované od rámu letadla.

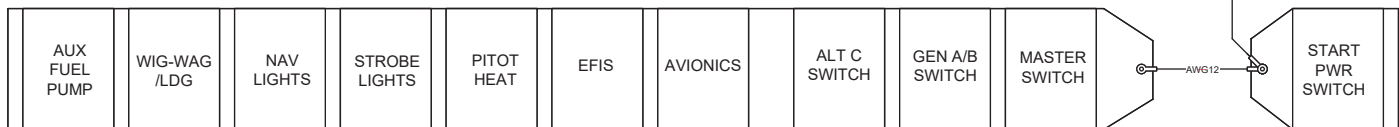
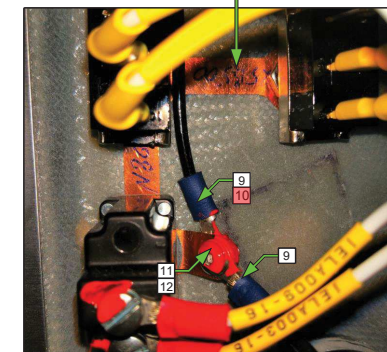
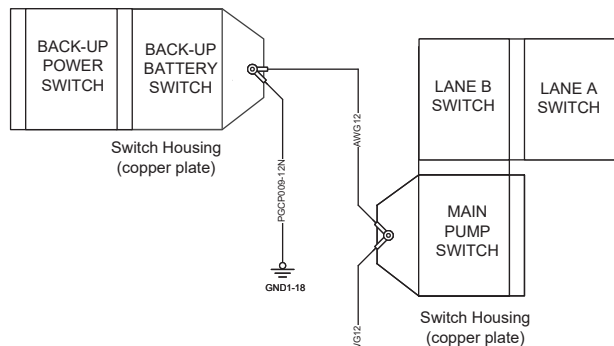
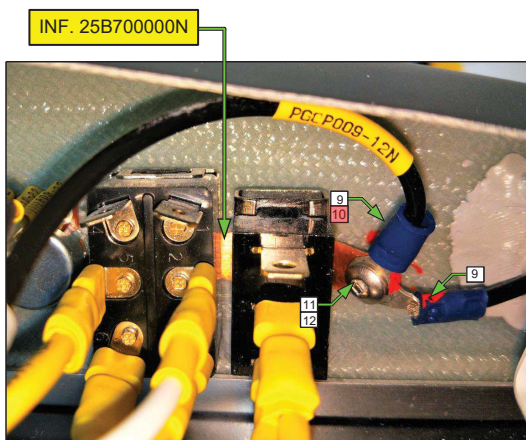
⚡ GROUNDING POINTS ARE CONDUCTIVELY INTERCONNECTED ACCORDING TO ONL 6621 6A 7A

⚡ KOSTŘÍČÍ BODY JSOU SPOLU VODIVĚ PROPOJENY DLE NORMY ONL 6621 6A.

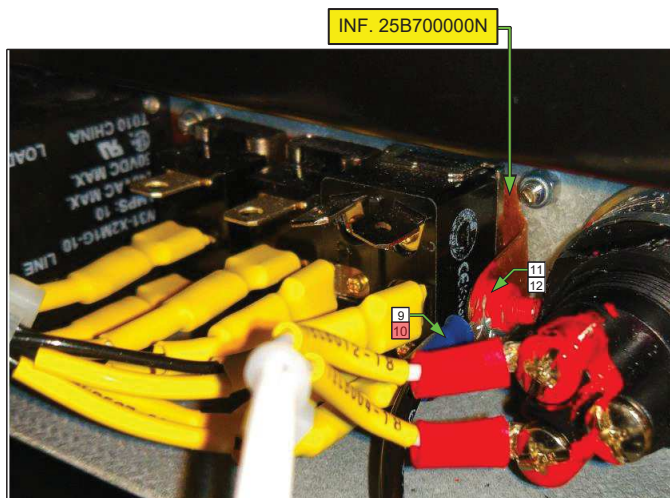
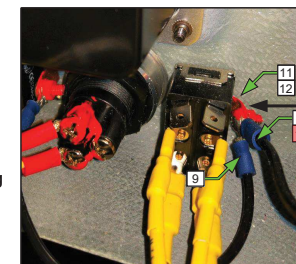
GND2 - FIREWALL / POŽÁRNÍ PŘEPÁŽKA
GND3 - ENGINE BED / LOŽE MOTORU
GND4 - ENGINE BLOCK / BLOK MOTORU

Material:							
Polotovary / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Projekční / Projection:			C	07.11.2023	B. Hlúšek	
	Délkové rozměry / Units: mm			B	16.01.2023	B. Hlúšek	
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
	Tolerování / Toleratation:		Kreslil / Drawn by	23.05.2022	B. Hlúšek		
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B720200N		Type:	Index / Revision:	
	II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ		BRISTELL B-23	C	
			ELECTRICAL GROUNDING		List / Sheet:	Format / Size:	
					3 / 7	A2	

BONDING OF CIRCUIT BREAKER AND SWITCH METAL HOUSINGS UKOSTŘENÍ KOVOVÝCH POUZDER POJISTEK A PŘEPÍNAČŮ



CB and Switch Housing interconnection
(copper plate)

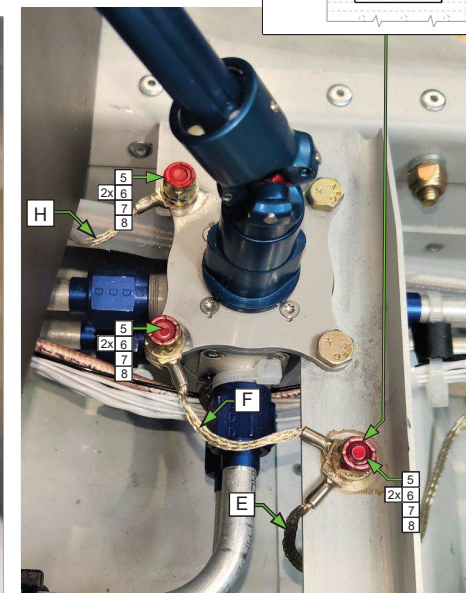
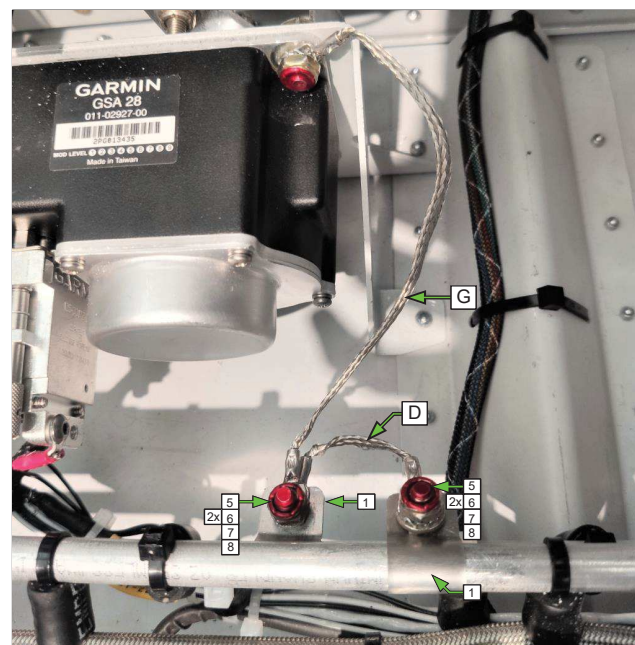
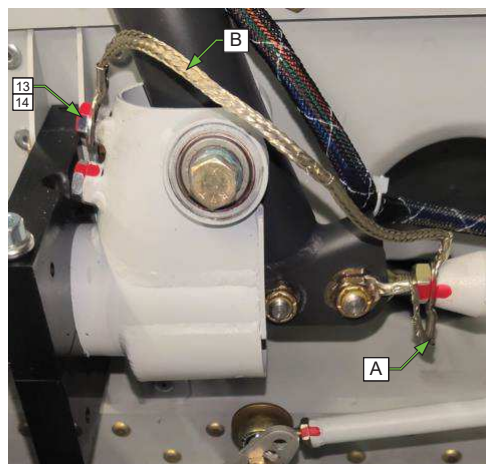
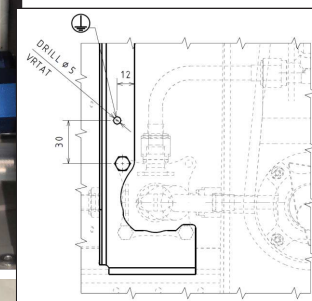
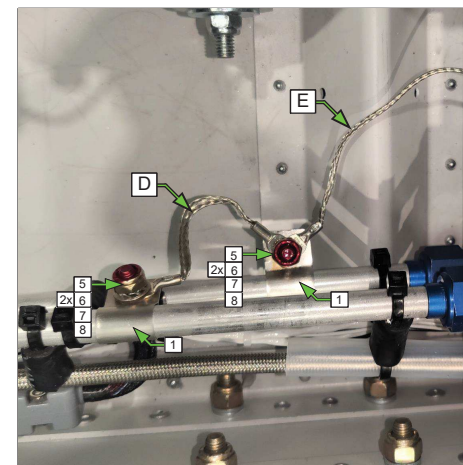
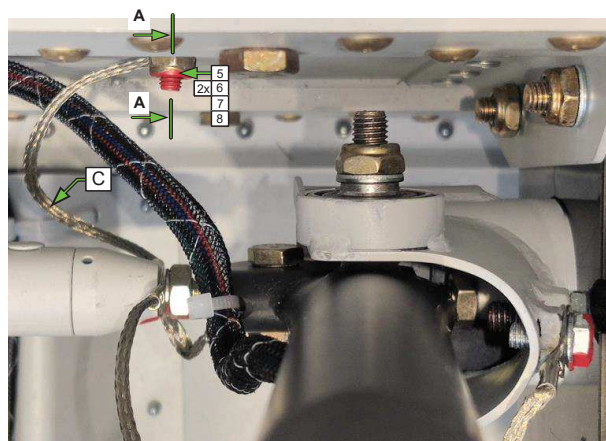
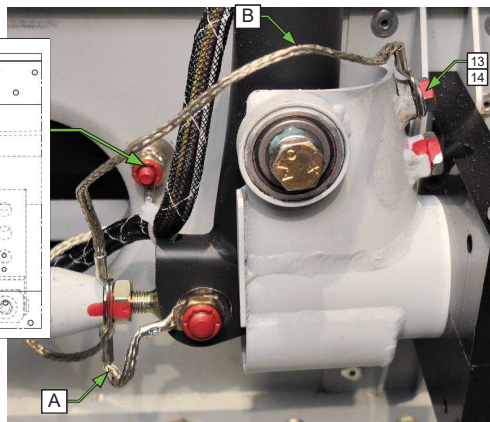
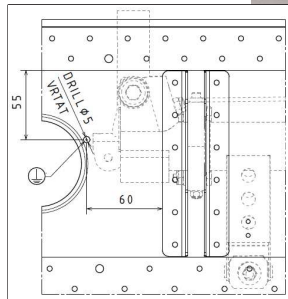


USED WIRE:
M22759/16-XX-0

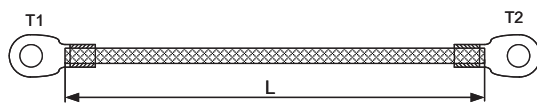
MATERIAL USED FOR COPPER PLATES: EN 1652 CU – DHP R240 0,55MM

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:		c	07.11.2023	B. Hložek
	Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date
	Tolerování / Toleration:			Kreslí / Drawn by	23.05.2022
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B720200N		Type: Index / Revision:
	II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		BRISTELL B-23 C
			List / Sheet:	Format / Size:	
			4 / 7	A2	

INSTALLATION OF BONDING JUMPERS
 INSTALACE KOSTŘIČÍCH PÁSKŮ

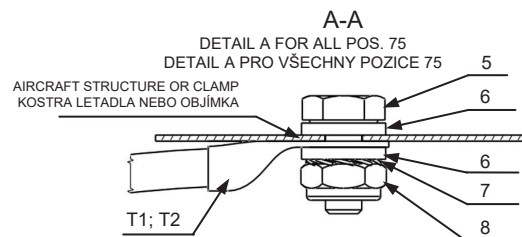


USED BONDING BRAID MATERIAL: TIN PLATED COPPER SLEEVING – RAY-101-3.0(100)
 POUŽITÝ STÍNÍČÍ MATERIÁL – CÍNEM POKOVANÝ MĚDĚNÝ OPLET - RAY-101-3.0(100)



L – BRAID LENGTH / L - DÉLKA STÍNĚNÍ
 T1, T2 – USED TERMINAL LUG / T1,T2 - POUŽITÉ KABELOVÉ OKO

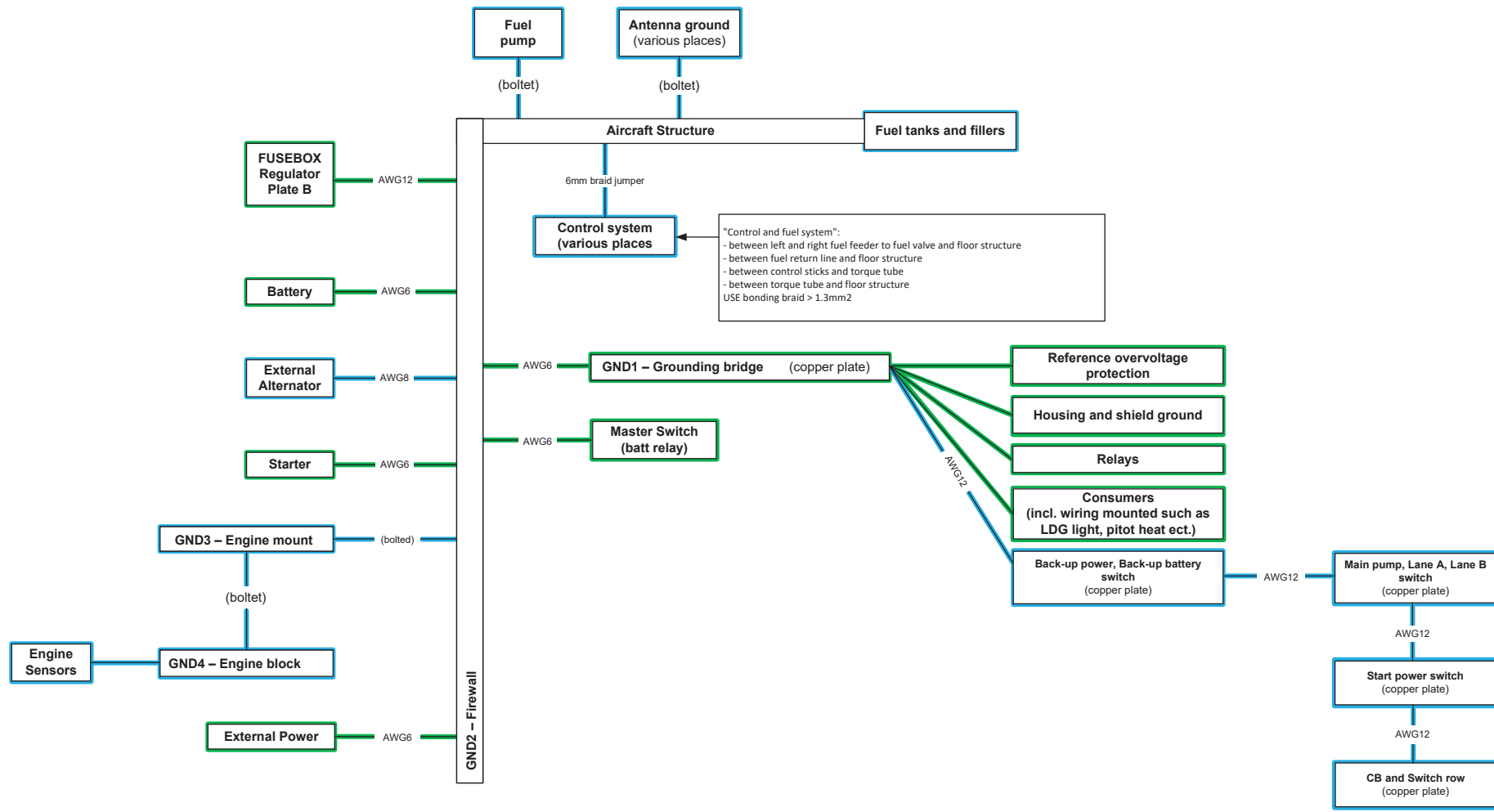
Bonding jumper	Qty	L (mm)	T1	T2
A	2	40	92R/6	92R/6
B	2	155	92R/6	92R/6
C	1	110	92R/6	92R/5
D	2	40	92R/5	92R/5
E	1	160	92R/5	92R/5
F	1	70	92R/5	92R/5
G	1	130	92R/5	92R/5
H	1	350	92R/5	92R/5



REMOVE PAINTING AND CLEAN THE MOUNTING SURFACE PRIOR TO INSTALLATION OF BONDING JUMPERS BY USING ALCOHOL CLEANER . WHEN THE MOUNTING SURFACE IS CLEAN AND DRY APPLY ALODINE AND HAVE IT PROPERLY DRIED UNTIL THE PROTECTIVE FILM IS CREATED.
 ODSTRANIT BARVU NA PORVRCHU V MÍSTĚ UCHYCENÍ KOSTŘIČÍHO PÁSKU A PO TĚ ODMASTIT OBNAŽENÝ POVRCH. PO ODMAŠTĚNÍ NATŘÍT TOTO MÍSTO PROTŘEDKEM ALODINE A NECHAT DŮKLADNĚ PROSCHNOUT DOKUD SE NEVYTVOŘÍ OCHRANNÝ FILM.

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítko / Scale:	Promítání / Projection:	c		07.11.2023	B. Hložek
	Délkové rozměry / Units: mm	B		16.01.2023	B. Hložek
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration:		Kreslí / Drawn by	23.05.2022	B. Hložek
	Skupina sled. / Traceability class		Číslo výkresu / Drawing number	34B720200N	
	II	Název / Name:	ELEKTRICKÉ UKOSTŘENÍ ELECTRICAL GROUNDING		Type: BRISTELL B-23
				List / Sheet: 5 / 7	Format / Size: A2


█ ELECTRICAL GROUNDING
█ ELECTRICAL BONDING

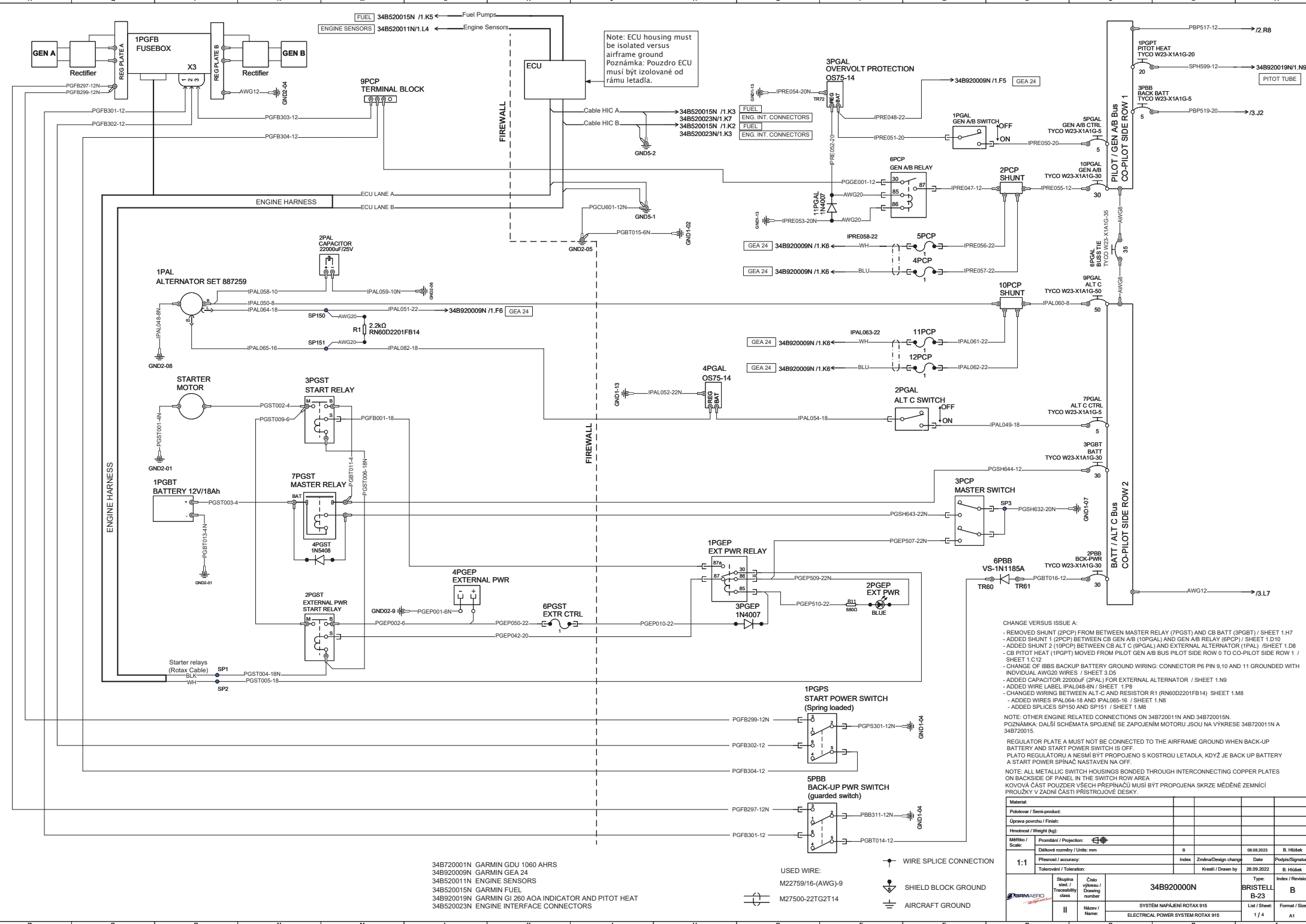


"Control and fuel system":
 - between left and right fuel feeder to fuel valve and floor structure
 - between fuel return line and floor structure
 - between control sticks and torque tube
 - between torque tube and floor structure
 USE bonding braid > 1.3mm²

Material used for the copper plate at the main GND1: EN 1652 Cu – DHP R240 0,55mm

Material:								
Polotovár / Semi-product:								
Úprava povrchu / Finish:								
Hmotnost / Weight (kg):								
Měřítko / Scale:	1:1	Projekční / Projection:	☉	c	07.11.2023	B. Hložek		
		Délkové rozměry / Units: mm		B	16.01.2023	B. Hložek		
		Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
		Tolerování / Toleration:		Kreslil / Drawn by	23.05.2022	B. Hložek		
		Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B720200N		Type:	Index / Revision:	
		II	Název / Name:	ELECTRICKÉ UKOSTŘENÍ		BRISTELL B-23	C	
				ELECTRICAL GROUNDING		List / Sheet:	Format / Size:	
						6 / 7	A2	

D		C		B		A	
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name		
1	4	34B220201N	A	KOSTRICI OBJIMKA	BONDING CLAMP		
2	1	RAY-101-3		STINICI OPLET	BONDING BRAID		
3	10	92R/5		OKO KABEL, M5	TERMINAL LUG M5		
4	11	92R/6		OKO KABEL, M6	TERMINAL LUG M6		
5	7	AN3-3A		SROUB	BOLT		
6	16	AN960-10		PODLOZKA	WASHER		
7	7	5,3 DIN 6798 ZN		VEJIROVA PODLOZKA	STAR LOCK WASHER		
8	7	MS21083N3 (AN364-1032A)		SAMOJISTNA MATICE	S. L. NUT		
9	4	BF-M4		GP OKO PVC LIS. 1.5-2.5 BF-M4	GP RING PVC PRESS 1.5-2.5 BF-M4		
10	1	M22759/16 12-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
11	2	M4x8 ISO7380 A2		SROUB	BOLT		
12	2	M4 DIN985 ZN		SAMOJISTNA MATICE	S. L. NUT		
13	2	M5x10 DIN 933		SROUB	BOLT		
14	2	5,3 DIN 125A		PODLOZKA	WASHER		
15	1	1226299		FASTON ZASTRCKA 6,3x0,8 mm	INSULATED		
16	1	M22759/16 22-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
17	1	RF-M5		GP OKO PVC LIS. 0.5-1.5 RF-M5	GP RING PVC PRESS 0.5-1.5 RF-M5		
18	1	M6x16 ISO 7380-1 A2		SROUB	BOLT		
19	1	M6 DIN 985 ZN		SAMOJISTNA MATICE	S. L. NUT		
20	1	6,4 DIN 125A ZN		PODLOZKA	WASHER		
21	1	CU 10x6 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
22	1	CU 10x8 KU-SP		GP OKO KABEL BEZ IZOLACE	GP RING CABLE NON-INSULATED		
23	1	M22759/16 8-0		VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE INSULATED		
Material: -							
Polotovar / Semi - product: -							
Úprava povrchu / Finish: -							
Hmotnost / Weight (kg): -							
Měřítka / Scale:	Promítání / Projection: 			C		7.11.2023	B. Hlůšek
	Délkové rozměry / Units: mm			B		16.01.2023	B. Hlůšek
[-]	Přesnost / accuracy : ISO 2768 - cL			Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015				Kresil / Drawn by	23.05.2022	B. Hlůšek
		Skupina sled./ Traceability class	Číslo výkresu / Drawing number	<h1>34B720200N</h1>		Type: Bristell B23-915 IFR	Index / Revision:
		II	Název / Name:			ELEKTRICKE UKOSTRENI ELETRICAL GROUNDING	List / Sheet: [7/7]



Note: ECU housing must be isolated versus airframe ground
 Poznámka: Pouzdro ECU musí být izolované od rámu letadla.

CHANGE VERSUS ISSUE A:

- REMOVED SHUNT (2PCP) FROM BETWEEN MASTER RELAY (7PGST) AND CB BATT (3PGBT) / SHEET 1.H7
- ADDED SHUNT 1 (2PCP) BETWEEN CB GEN A/B (10PGAL) AND GEN A/B RELAY (6PCP) / SHEET 1.D10
- ADDED SHUNT 2 (10PCP) BETWEEN CB ALT C (9PGAL) AND EXTERNAL ALTERNATOR (1PAL) / SHEET 1.D8
- CB PITOT HEAT (1PGPT) MOVED FROM PILOT GEN A/B BUS CO-PILOT SIDE ROW 1 / SHEET 1.C12
- CHANGE OF IBBS BACKUP BATTERY GROUND WIRING: CONNECTOR P6 PIN 9,10 AND 11 GROUNDED WITH INDIVIDUAL AWG20 WIRES / SHEET 3.D5
- ADDED CAPACITOR 22000µF (25V) FOR EXTERNAL ALTERNATOR / SHEET 1.N9
- ADDED WIRE LABEL IPAL048-8N / SHEET 1.P8
- CHANGED WIRING BETWEEN ALT-C AND RESISTOR R1 (RN60D2201FB14) SHEET 1.M8
- ADDED WIRES IPAL064-18 AND IPAL065-16 / SHEET 1.N8
- ADDED SPLICES SP150 AND SP151 / SHEET 1.M8

NOTE: OTHER ENGINE RELATED CONNECTIONS ON 34B720011N AND 34B720015N.
 POZNÁMKA: DALŠÍ SCHEMATA SPOJENÍ SE ZAPOJENÍM MOTORU JSOU NA VÝKRESE 34B720011N A 34B720015.

REGULATOR PLATE A MUST NOT BE CONNECTED TO THE AIRFRAME GROUND WHEN BACK-UP BATTERY AND START POWER SWITCH IS OFF.
 PLATO REGULÁTORU A NESMÍ BÝT PROPOJENO S KOSTROU LETADLA, KDYŽ JE BACK UP BATTERY A START POWER SPÍNAČ NASTAVEN NA OFF.

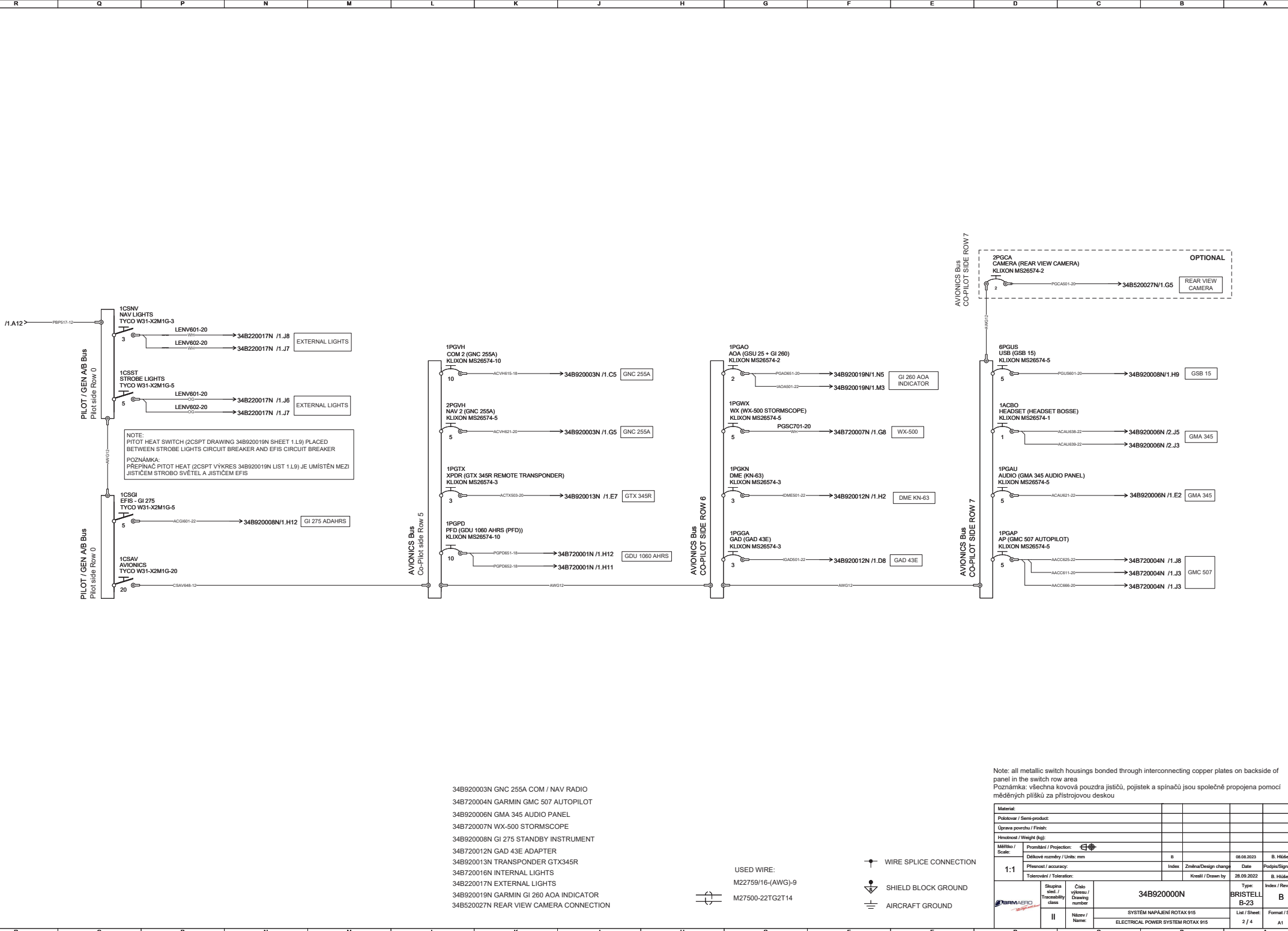
NOTE: ALL METALLIC SWITCH HOUSINGS BONDED THROUGH INTERCONNECTING COPPER PLATES ON BACKSIDE OF PANEL IN THE SWITCH ROW AREA
 KOVOVÁ ČÁST POUZDER VŠECH PŘEPÍNAČŮ MUSÍ BÝT PROPOJENA SKRZ MĚDĚNÉ ZEMNÍČNÍ PROUŽKY V ZADNÍ ČÁSTI PŘÍSTROJOVÉ DESKY.

34B720001N GARMIN GDU 1060 AHRS
 34B920009N GARMIN GEA 24
 34B520011N ENGINE SENSORS
 34B520015N GARMIN FUEL
 34B920019N GARMIN GI 260 AAA INDICATOR AND PITOT HEAT
 34B520023N ENGINE INTERFACE CONNECTORS

USED WIRE:
 M22759/16-(AWG)-9
 M27500-22GT214

WIRE SPLICE CONNECTION
 SHIELD BLOCK GROUND
 AIRCRAFT GROUND

Material:					
Polotovary / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Mřížko / Scale:	1:1				
Délkové rozměry / Units: mm		b		08.08.2023	B. Hůlká
Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature
Tolerance / Tolerance:		Kreslí / Drawn by		28.09.2022	B. Hůlká
Mřížko / Projection:					
Skupina sld / Drawing class	II	Číslo výkresu / Drawing number	34B920000N		Type: BRISTELL B-23
Název / Name:	SYSTEM NÁPAJENÍ ROTAX 915			List / Sheet: 1 / 4	Format / Size: A1
		ELECTRICAL POWER SYSTEM ROTAX 915			



NOTE: PITOT HEAT SWITCH (2CSPT DRAWING 34B920019N SHEET 1.L9) PLACED BETWEEN STROBE LIGHTS CIRCUIT BREAKER AND EFIS CIRCUIT BREAKER
 POZNÁMKA: PREPÍNAČ PITOT HEAT (2CSPT VÝKRES 34B920019N LIST 1.L9) JE UMÍSTĚN MEZI JISTIČEM STROBO SVETEL A JISTIČEM EFIS

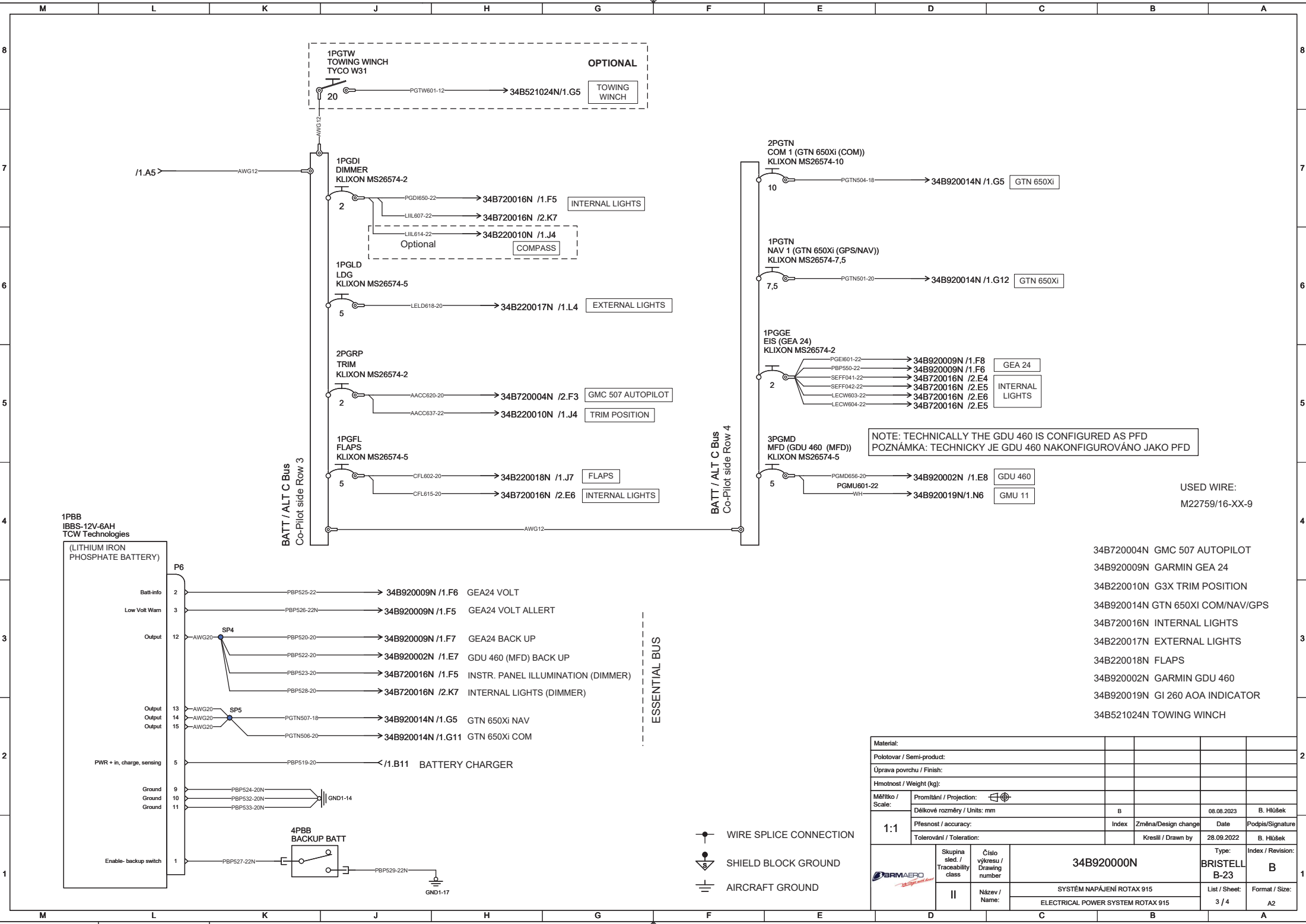
- 34B920003N GNC 255A COM / NAV RADIO
- 34B720004N GARMIN GMC 507 AUTOPILOT
- 34B920006N GMA 345 AUDIO PANEL
- 34B720007N WX-500 STORMSCOPE
- 34B920008N GI 275 STANDBY INSTRUMENT
- 34B720012N GAD 43E ADAPTER
- 34B920013N TRANSPONDER GTX345R
- 34B720016N INTERNAL LIGHTS
- 34B220017N EXTERNAL LIGHTS
- 34B920019N GARMIN GI 260 AOA INDICATOR
- 34B520027N REAR VIEW CAMERA CONNECTION

USED WIRE:
 M22759/16-(AWG)-9
 M27500-22TG2T14

- WIRE SPLICE CONNECTION
- SHIELD BLOCK GROUND
- AIRCRAFT GROUND

Note: all metallic switch housings bonded through interconnecting copper plates on backside of panel in the switch row area
 Poznámka: všechna kovová pouzdra jističů, pojistek a spínačů jsou společně propojena pomocí měděných plíšků za přístrojovou deskou

Material:							
Polotovary / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Proměnliv / Projection:						
	Dělkové rozměry / Units: mm		b				
1:1	Přesnost / accuracy:		Index	Změna/Design change	Date	Podpis/Signature	
	Tolerovány / Tolerance:			Kreslí / Drawn by			
	Skupina sled. / Traceability class		Číslo výkresu / Drawing number		Type:		
	II		34B920000N		BRISTELL B-23 B		
Název / Name:				SYSTEM NÁPAJENÍ ROTAX 915		List / Sheet:	Format / Size:
				ELECTRICAL POWER SYSTEM ROTAX 915		2 / 4	A1



NOTE: TECHNICALLY THE GDU 460 IS CONFIGURED AS PFD
 POZNÁMKA: TECHNICKY JE GDU 460 NAKONFIGUROVÁNO JAKO PFD

USED WIRE:
 M22759/16-XX-9



- 34B720004N GMC 507 AUTOPILOT
- 34B920009N GARMIN GEA 24
- 34B220010N G3X TRIM POSITION
- 34B920014N GTN 650XI COM/NAV/GPS
- 34B720016N INTERNAL LIGHTS
- 34B220017N EXTERNAL LIGHTS
- 34B220018N FLAPS
- 34B920002N GARMIN GDU 460
- 34B920019N GI 260 AOA INDICATOR
- 34B521024N TOWING WINCH

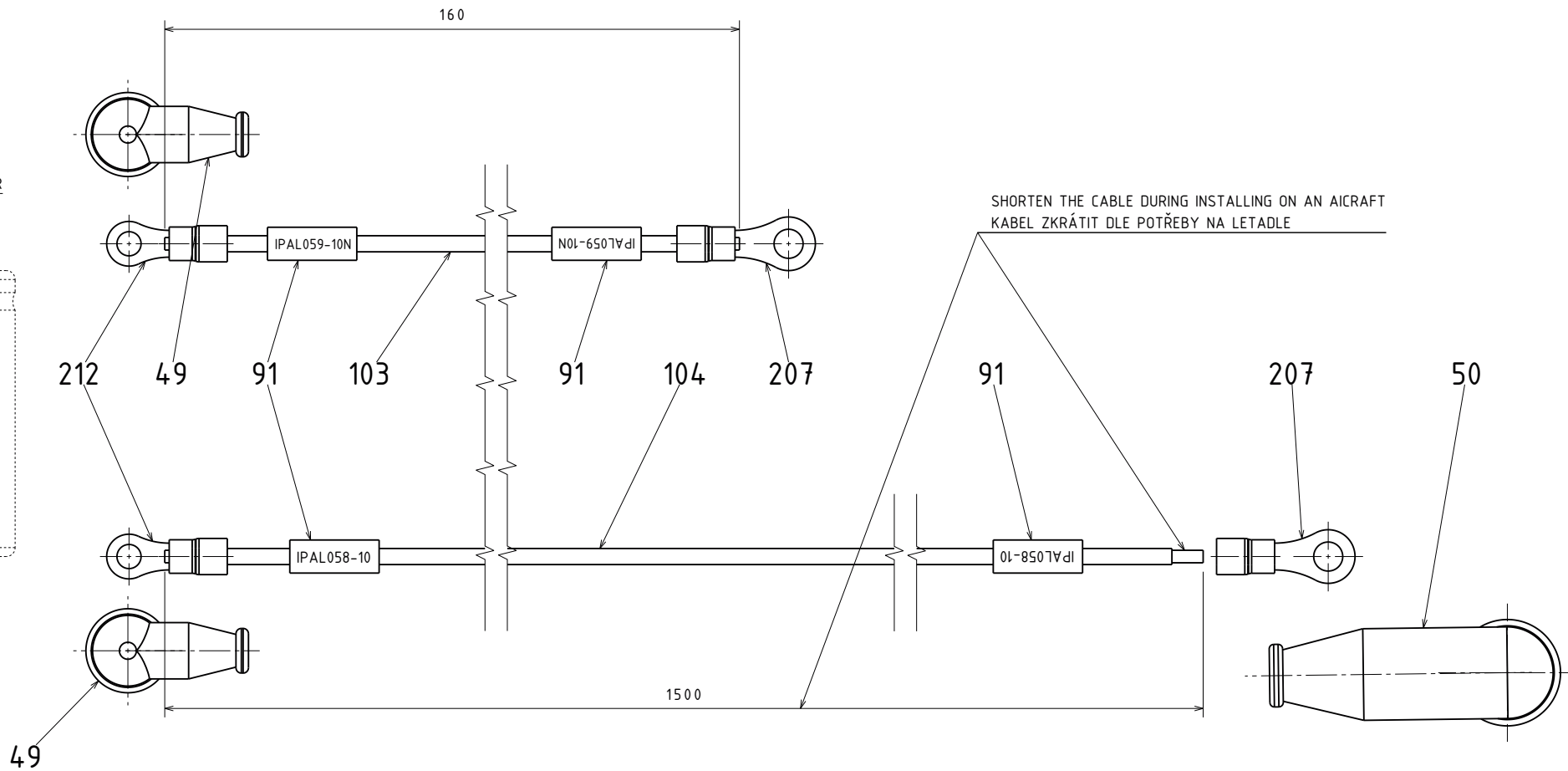
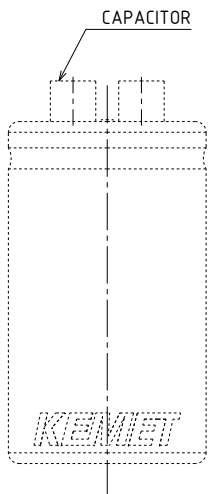
Material:							
Polotovár / Semi-product:							
Úprava povrchu / Finish:							
Hmotnost / Weight (kg):							
Měřítko / Scale:	Promítání / Projection:	Délkové rozměry / Units: mm		B	08.08.2023	B. Hlášek	
1:1	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature		
Tolerování / Toleranc:				Kreslí / Drawn by	28.09.2022	B. Hlášek	
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B920000N		Type:	Index / Revision:	
	II	Název / Name:			SYSTÉM NAPÁJENÍ ROTAX 915	BRISTELL B-23	B
ELECTRICAL POWER SYSTEM ROTAX 915					List / Sheet:	Format / Size:	
					3 / 4	A2	

- WIRE SPLICE CONNECTION
- SHIELD BLOCK GROUND
- ≡— AIRCRAFT GROUND

Used material:

WIRES		WIRES		Wires		COMPONENTS		COMPONENTS	
Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N	Designation	Manufacturer P/N
AACC611-20	M22759/16 20-9	PBB311-12N	M22759/16 12-0	SEFF042-22	M22759/16 22-9	10PCP	UMA 1CU4 (Rotax kit)	2PBB	11-04119
AACC620-20	M22759/16 20-9	PBP517-12	M22759/16 12-9	SPH600-12	M22759/16 12-9	10PGAL	11-04119	2PCP	UMA 1CU4 (Rotax kit)
AACC625-22	M22759/16 22-9	PBP519-20	M22759/16 20-9			11PCP	EAN 8595128241739	2PGAL	EAN 8595563713518
AACC637-22	M22759/16 22-9	PBP520-20	M22759/16 20-9			11PGAL	1N4007	2PGEP	LED 5mm RED
AACC666-20	M22759/16 20-9	PBP522-20	M22759/16 20-9	CABLES		12PCP	EAN 8595128241739	2PGRP	7274-2-2
ACAU621-22	M22759/16 22-9	PBP523-20	M22759/16 20-9	Designation	Manufacturer P/N	1ACBO	7274-2-1	2PGST	992818
ACAU638-22	M22759/16 22-9	PBP524-20N	M22759/16 20-0	IPAL063-22	M27500-22 TG 2T14	1CSAV	11-03933	2PGTN	7274-2-10
ACAU639-22	M22759/16 22-9	PBP525-22	M22759/16 22-9	IPRE058-22	M27500-22 TG 2T14	1CSGI	11-03936	2PGVH	7274-2-5
ACGI601-22	M22759/16 22-9	PBP526-22N	M22759/16 22-0	LENV601-20	M27500-20 TG 3T14	1CSNV	11-04268	3PBB	11-03929
ACTX503-20	M22759/16 20-9	PBP527-22N	M22759/16 22-0	LENV602-20	M27500-20 TG 3T14	1CSPT	11-03933	3PCP	EAN 8595563713518
ACVH615-18	M22759/16 18-9	PBP528-20	M22759/16 20-9	PGMU601-22	M27500-22 TG 2T14	1CSST	11-03936	3PGAL	LAMAR OS75-14
ANVH621-20	M22759/16 20-9	PBP529-22N	M22759/16 22-0			1PAL	887-251	3PGBT	11-04119
AWG12	M22759/16 12-9	PBP532-20N	M22759/16 20-0			1PBB	IBBS-12V-6AH	3PGEP	1N4007
AWG12	M22759/16 12-0	PBP533-20N	M22759/16 20-0	SPLICES		1PGAL	EAN 8595563713518	3PGMD	7274-2-5
AWG20	M22759/16 20-9	PBP550-22	M22759/16 22-9	Designation	Manufacturer P/N	1PGA0	7174-2-2	3PGST	992818
AWG22	M22759/16 22-9	PGAD651-20	M22759/16 20-9	SP1	S01-02-R	1PGAP	7274-2-5	4PBB	EAN 8595563713518
AWG8	M22759/16 8-9	PGBT011-4	M22759/16 4-9	SP2	S01-02-R	1PGAU	7274-2-5	4PCP	EAN 8595128241739
CFL602-20	M22759/16 20-9	PGBT013-4N	M22759/16 4-9	SP3	S01-02-R	1PGBT	RB0092M60230	4PGAL	LAMAR OS75-14
CFL615-20	M22759/16 20-9	PGBT014-12	M22759/16 12-9	SP4	S01-03-R	1PGDI	7274-2-2	4PGST	1N5408
CSAV648-12	M22759/16 12-9	PGBT015-6N	M22759/16 6-9	SP5	S01-02-R	1PGEP	STU 46002 Relé	5PBB	32NT91-2
IAOA501-22	M22759/16 22-9	PGBT016-12	M22759/16 12-9	SP150	D-436-37	1PGFB	915113	5PCP	EAN 8595128241739
IDME501-22	M22759/16 22-9	PGCU601-12N	M22759/16 12-0	SP151	D-436-38	1PGFL	7274-2-5	5PGAL	11-03929
IGAD501-22	M22759/16 22-9	PGDI650-22	M22759/16 22-9			1PGGA	7274-2-3	6PBB	VS-1N1185A
IPAL049-18	M22759/16 18-9	PGEI501-22	M22759/16 22-9			1PGGE	7274-2-2	6PGAL	11-04120
IPAL050-8	M22759/16 8-9	PGEP010-22	M22759/16 22-9	CONNECTORS		1PGKN	7274-2-3	6PGST	EAN 8595128241739
IPAL051-22	M22759/16 22-9	PGEP042-20	M22759/16 20-9	Designation	Manufacturer P/N	1PGLD	7274-2-5	6PGUS	1274-2-5
IPAL052-22N	M22759/16 22-0	PGEP050-22	M22759/16 22-9	4PGEP	992G2-BK	1PGPD	7274-2-10	7PGAL	11-03929
IPAL054-18	M22759/16 18-9	PGEP507-22N	M22759/16 22-0	P6	IBBS-Dsub-Conn	1PGPS	32NT91-6	7PGST	11-03161
IPAL058-10	M22759/16 10-9	PGEP509-22N	M22759/16 22-0	X3	915113	1PGPT	11-03927	9PCP	MS27212-1-4
IPAL059-10	M22759/16 10-9	PGEP510-22	M22759/16 22-9			1PGTN	7274-2-7,5	9PGAL	11-03930
IPAL060-8	M22759/16 8-9	PGFB001-18	M22759/16 18-9			1PGTX	7274-2-3	ECU	915113
IPAL061-22	M22759/16 22-9	PGMD656-20	M22759/16 20-9			1PGVH	MS26574-10	R1	RN60D2201FB14
IPAL062-22	M22759/16 22-9	PGPD651-18	M22759/16 18-9			1PGWX	7274-2-5	R11	Resistor 0,6W 680R
IPAL064-18	M22759/16 18-9	PGPD652-18	M22759/16 18-9			2PAL	22000uf 25V Kemet		
IPAL065-16	M22759/16 16-9	PGPS301-12N	M22759/16 12-0						
IPAL082-18	M22759/16 18-9	PGSA643-22N	M22759/16 22-0						
IPRE047-12	M22759/16 12-9	PGSH632-20N	M22759/16 20-0						
IPRE048-22	M22759/16 22-9	PGST001-4N	M22759/16 4-9						
IPRE050-20	M22759/16 20-9	PGST002-4	M22759/16 4-9						
IPRE051-20	M22759/16 20-9	PGST003-4	M22759/16 4-9						
IPRE052-20	M22759/16 20-9	PGST004-18N	M22759/16 18-0						
IPRE053-20N	M22759/16 20-0	PGST005-18	M22759/16 18-9						
IPRE054-20N	M22759/16 20-0	PGST006-18N	M22759/16 18-0						
IPRE055-12	M22759/16 12-9	PGST009-6	M22759/16 6-9						
IPRE056-22	M22759/16 22-9	PGTN501-20	M22759/16 20-9						
IPRE057-22	M22759/16 22-9	PGTN504-18	M22759/16 18-9						
LECW603-22	M22759/16 22-9	PGTN506-20	M22759/16 20-9						
LECW604-22	M22759/16 22-9	PGTN507-18	M22759/16 18-9						
LILD618-20	M22759/16 20-9	PGTW601-12	M22759/16 12-9						
LIL607-22	M22759/16 22-9	PGUS601-20	M22759/16 20-9						
LIL614-22	M22759/16 22-9	SEFF041-22	M22759/16 22-9						

Material:					
Polotovár / Semi-product:					
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítka / Scale: 1:1	Promítání / Projection: 				
	Délkové rozměry / Units: mm	B	08.08.2023	B. Hlůšek	
	Přesnost / accuracy:	Index	Změna/Design change	Date	Podpis/Signature
Tolerování / Toleration:			Kreslil / Drawn by	28.09.2022	B. Hlůšek
	Skupina sled. / Traceability class	Číslo výkresu / Drawing number	34B92000N		Type: BRISTELL B-23
	II	Název / Name:	SYSTÉM NAPÁJENÍ ROTAX 915		Index / Revision: B
			ELECTRICAL POWER SYSTEM ROTAX 915		List / Sheet: 4/4
					Format / Size: A3



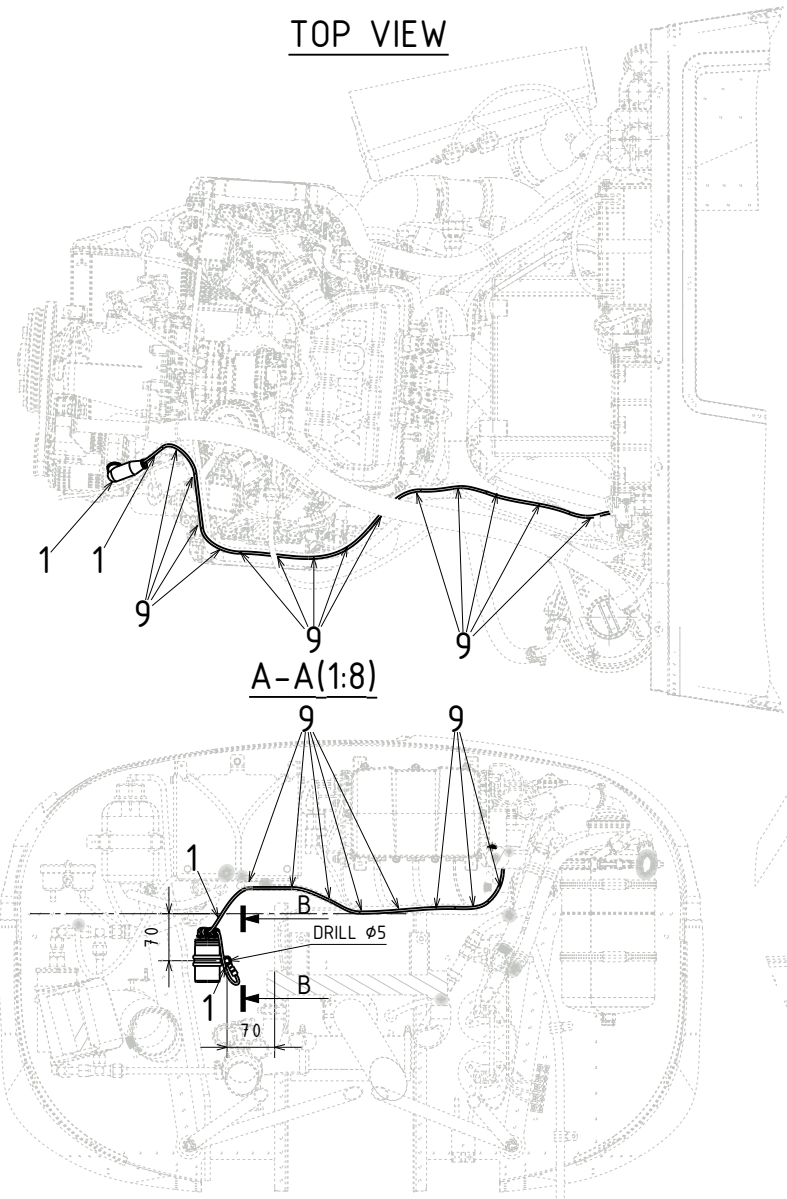
1. INSTALL CABLE LABEL (POS. 91) NO MORE THAN 40 MM FROM THE BACK OF THE CONNECTOR.
UMÍSTÍ ŠTÍTEK KABELU (POZ. 91) DO VZDÁLENOSTI 40 MM OD ZADNÍ ČÁSTI KONEKTORU.
2. POS. 50,51 IS COVER FOR TERMINAL RING (POS. 207,212).
POZ. 50,51 JE KRYTKA PRO KABELOVÉ OKO (POZ. 207,212).

Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
212	2	GPH GF-M5	A.1	OKO PVC LIS. AWG 12-10	TER. LUG PVC PRESS. AWG 12-10
207	2	GPH GF-M6	A.1	OKO PVC LIS. AWG 12-10	TER. LUG PVC PRESS. AWG 12-10
49	2	MS25171-1S	A.1	SILIKONOVA KRYTKA CERVENA	SILICON NIPPLE RED
50	1	MS25171-2S	A.1	SILIKONOVA KRYTKA CERVENA	SILICON NIPPLE RED
91	80mm	HTI 6,4 YELLOW T1	A.1	TEPLEM SMRŠTITELNÁ HADICE	HEAT SHRINKABLE TUBE
103	0,16m	M22759/16 10-0	A.1	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE,SAE/MS
104	1,5m	M22759/16 10-9	A.1	VODIC S IZOLACI ETFE,SAE/MS	CONDUCTOR ETFE,SAE/MS

Material: -				
Polotovary / Semi-product: - - -				
Úprava povrchu / Finish: -				
Hmotnost / Weight (kg): -				
Měřítka / Scale:	Promítání / Projection:			
	Délkové rozměry / Units: mm			
1:1	Přesnost / accuracy : ISO 2768 - cL		Index	Změna/Design change
	Tolerování / Toleration: ISO 8015		Kreslil / Drawn by	Date
			13.11.2023	Podpis/Signature
	Skupina sled./ Traceability class	Číslo výkresu / Drawing number	34B950105N	
	II	Název / Name:		
SVAZKY KONDEZÁTORU CAPACITOR CABLE HARNESS			Type: Bristell B23-915 IFR 2	Index / Revision: A
			List / Sheet: 1/1	Format / Size: A3

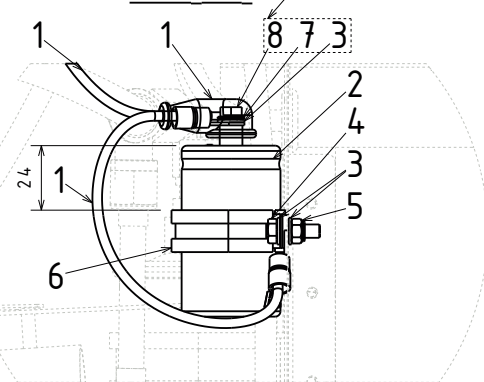
TOP VIEW

LEFT VIEW



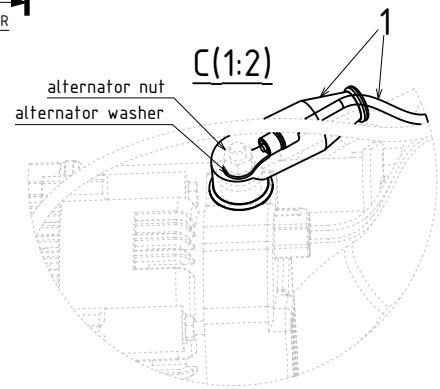
B-B(1:2)

APPLIES TO BOTH CONTACTS OF THE CAPACITOR



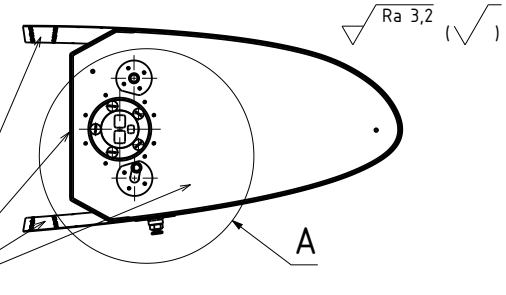
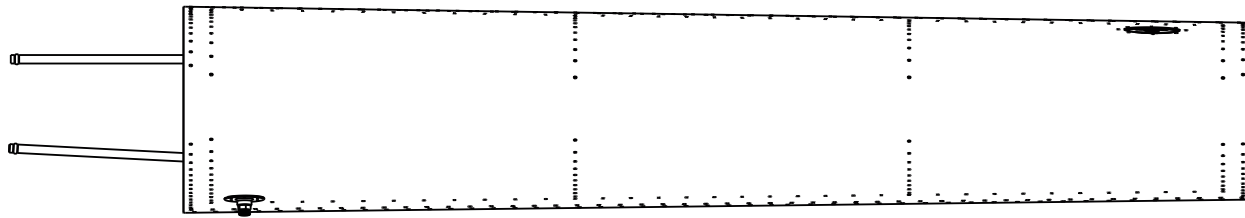
C(1:2)

alternator nut
alternator washer



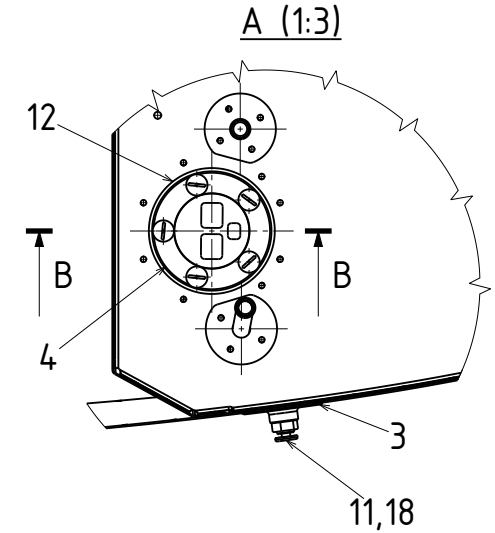
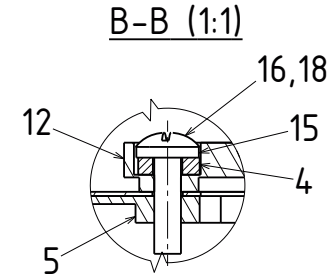
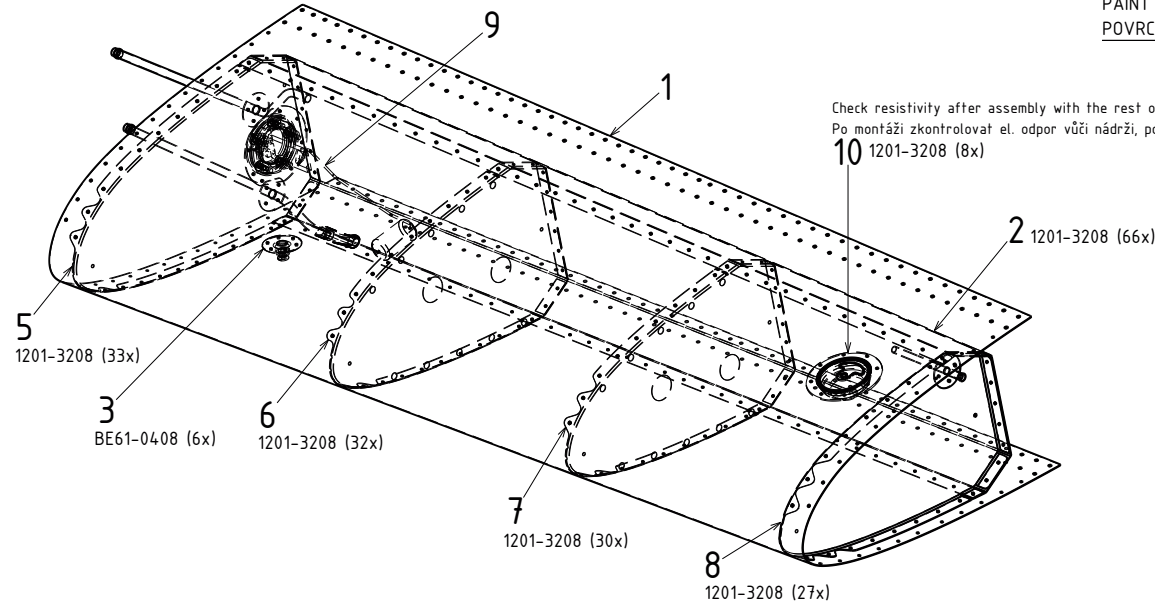
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	34B950105N	A	SVAZKY KONDEZÁTORU	CAPACITOR CABLE HARNESS
2	1	ALS30A223DB025		Kondenzátor ALS30 22000uF/25V (KEMET)	Capacitor ALS30 22000uF/25V (KEMET)
3	4	5,3 DIN125A ZN		PODLOŽKA	WASHER
4	1	M5x16 DIN933 ZN		SROUB	BOLT
5	1	M5 DIN985 ZN		SAMOJISTNÁ MATICE	S. L. NUT
6	1	MS21919WCH22		SPONA	CLAMP
7	2	5,3 DIN 6798 ZN		VEJÍROVA PODLOŽKA	STAR LOCK WASHER
8	2	M5x12 DIN933 ZN		SROUB	BOLT
9	22	127870000		STAHOVACÍ PASKA CB 140/3,6 BLACK (WEIDMULLER)	CABLE TIE CB 140/3,6 BLACK (WEIDMULLER)

Material:					
Polotovár / Semi - product:		-			
Úprava povrchu / Finish:					
Hmotnost / Weight (kg):					
Měřítka / Scale:	Projekce / Projection:				
	Délkové rozměry / Units: mm				
	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015		Kresil / Drawn by	23.11.2023	josef.hlusek
	Skupina sled./ Traceability class	Číslo výkresu / Drawing number	34B950106N		Type: Bristell B23-915
	II	Název / Name:	INSTALACE KONDEZÁTORU ALTERNÁTORU ALTERNATOR CAPACITOR INSTALLATION		Index / Revision: A
			List / Sheet:	1/1	Format / Size: A3



PAINT INNER SURFACE OF FUEL TANK
POVRCHOVA UPRAVA NA VNITRNI M POCVRCHU NADRZE

Check resistivity after assembly with the rest of the tank - if not <50mOHM then rework by drilling out and installing larger rivets (1201-4008) one at the time until resistivity is acceptable.
Po montáži zkontrolovat el. odpor vůči nádrži, pokud není <50mOHM, odvrtat nýt a nahradit nýtem 1201-4008. Opakovat postup, dokud odpor není přijatelný.



Change versus issue B:
Item 10: electrical resistivity control
New Item 19: used for rework

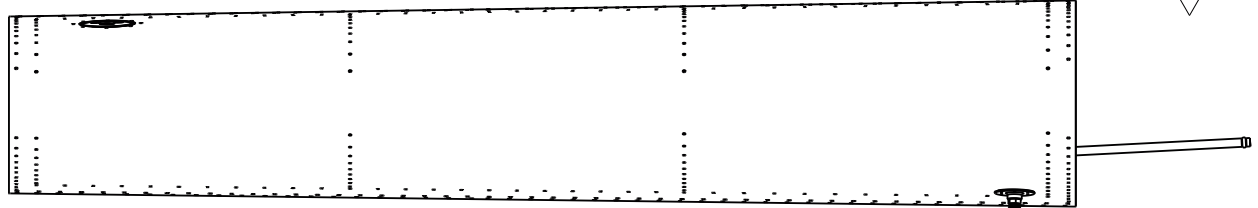
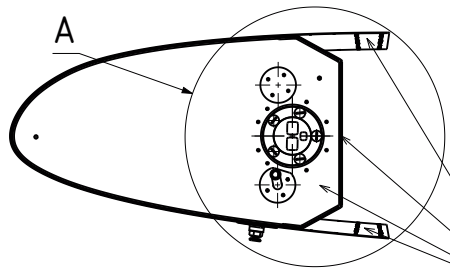
Změny oproti revizi B:
Poz. 10: kontrola elektrického odporu
Poz. 19: použito pro opravu

Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	57B270001L	B	POTAH PALIVOVE NADRZE	F. T. SKIN
2	1	57B270002L	B	ZADNI STENA NADRZE	F. T. REAR WALL
3	1	57B270003N	B	PRIRUBA ODKALOVACIHO VENTILU	DRAIN OUTLET FLANGE
4	1	57B270019N	B	PODLOZKA	WASHER
5	1	57B270020N	C	SESTAVA KORENOVEHO ZEBRA	ROOT RIB ASSY
6	1	57B270030L	B	ZEBRO 3	RIB 3
7	1	57B270040L	B	ZEBRO 4	RIB 4
8	1	57B270050L	B	KONCOVE ZEBRO SESTAVA	TIP F. T. RIB ASSY
9	1	57B270054L	B	PLOVAK	FLOAT
10	1	AERO 300-A30 L R		VICKO NADRZE	TANK CAP
11	1	CURTIS CCA-1800		VYPOUSTECI VENTIL	FUEL VALVE
12	1	A2C59510162		PLOVAK PAKOVY	FUEL LEVEL SENSOR
13	196	1201-3208		NYT 3,2x8,0	RIVET 3,2x8,0
14	6	BE61-0408		NYT 3,2x6,6 NEREZ	RIVET 3,2x6,6 SS/SS
15	5	XC71.99		TESNENI TEMAFAS 5,5x11,7x2	TEMAFAST GASKET 5,5x11,7x2
16	5	M5x20 A2		SROUB BECHER	BECHER BOLT
17	1	PPG PR1440A2		TMEL NA PALIVOVE NADRZE	FUEL TANK SEALANT
18	1	565		LOCTITE	LOCTITE
19	as required	1201-4008		NYT 4x8,0	RIVET 4x8,0

2. FUELTANK SEALED WITH PR1440A2
1. MARK METHOD 1 - OS-020.01

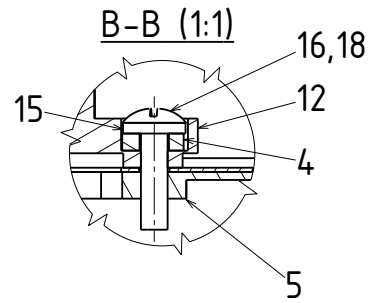
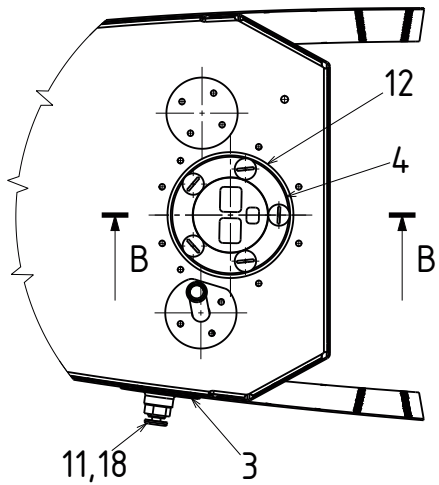
2. PALIVOVA NADRZ UTESNENA POMOCI PR1440A2
1. METODA ZNACENI 1 - OS-020.01

Material: -					
Polotovár / Semi-product: - - -					
Úprava povrchu / Finish: BRM 544 - 203					
Hmotnost / Weight (kg):					
Měřítka / Scale: 1:6	Promítání / Projection:	C		14.11.2023	josef.hlusek
	Délkové rozměry / Units: mm	B		12.8.2020	radek.hemmel
	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015		Kreslil / Drawn by	2.9.2019	dasa.stundlova
	Skupina sled./ Traceability class II	Číslo výkresu / Drawing number	57B270000N		Type: BRISTELL B23
	Název / Name: LEVA PALIVOVA NADRZ SES. LEFT FUEL TANK ASSY		List / Sheet: 1/1	Index / Revision: C A3	

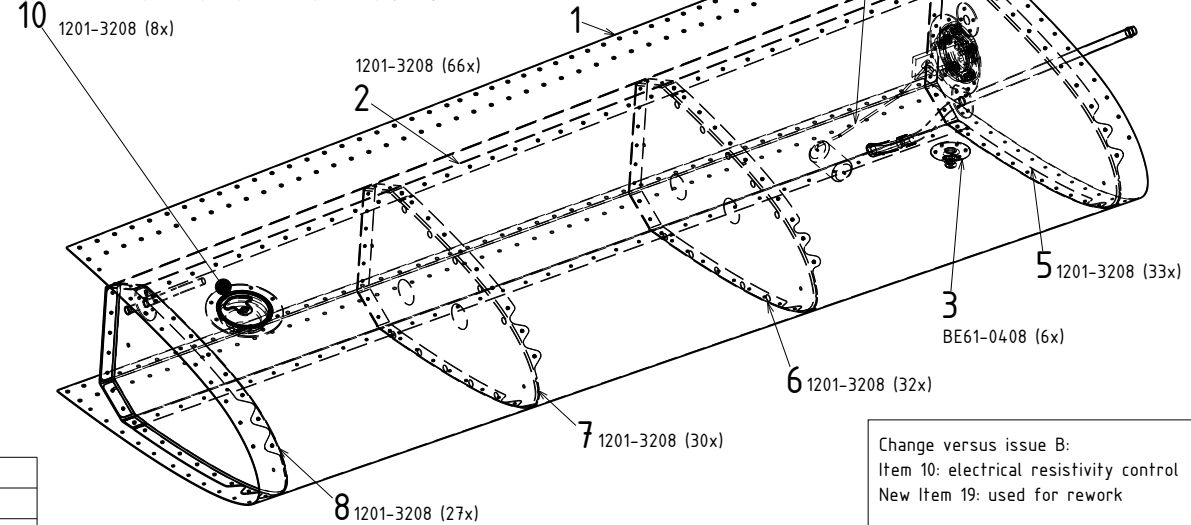


PAINT INNER SURFACE OF FUEL TANK
POVRCHOVA UPRAVA NA VNITRNIM POVRCHU NADRZE

A (1:3)



Check resistivity after assembly with the rest of the tank - if not $\le 50\text{m}\Omega\text{m}$ then rework by drilling out and installing larger rivets (1201-4008) one at the time until resistivity is acceptable.
Po montáži zkontrolujte el. odpor vůči nádrži, pokud není $\le 50\text{m}\Omega\text{m}$, odvrtnat nýt a nahradit nýtem 1201-4008. Opakovat postup, dokud odpor není přijatelný.



Change versus issue B:
Item 10: electrical resistivity control
New Item 19: used for rework

Změny oproti revizi B:
Poz. 10: kontrola elektrického odporu
Poz. 19: použito pro opravu

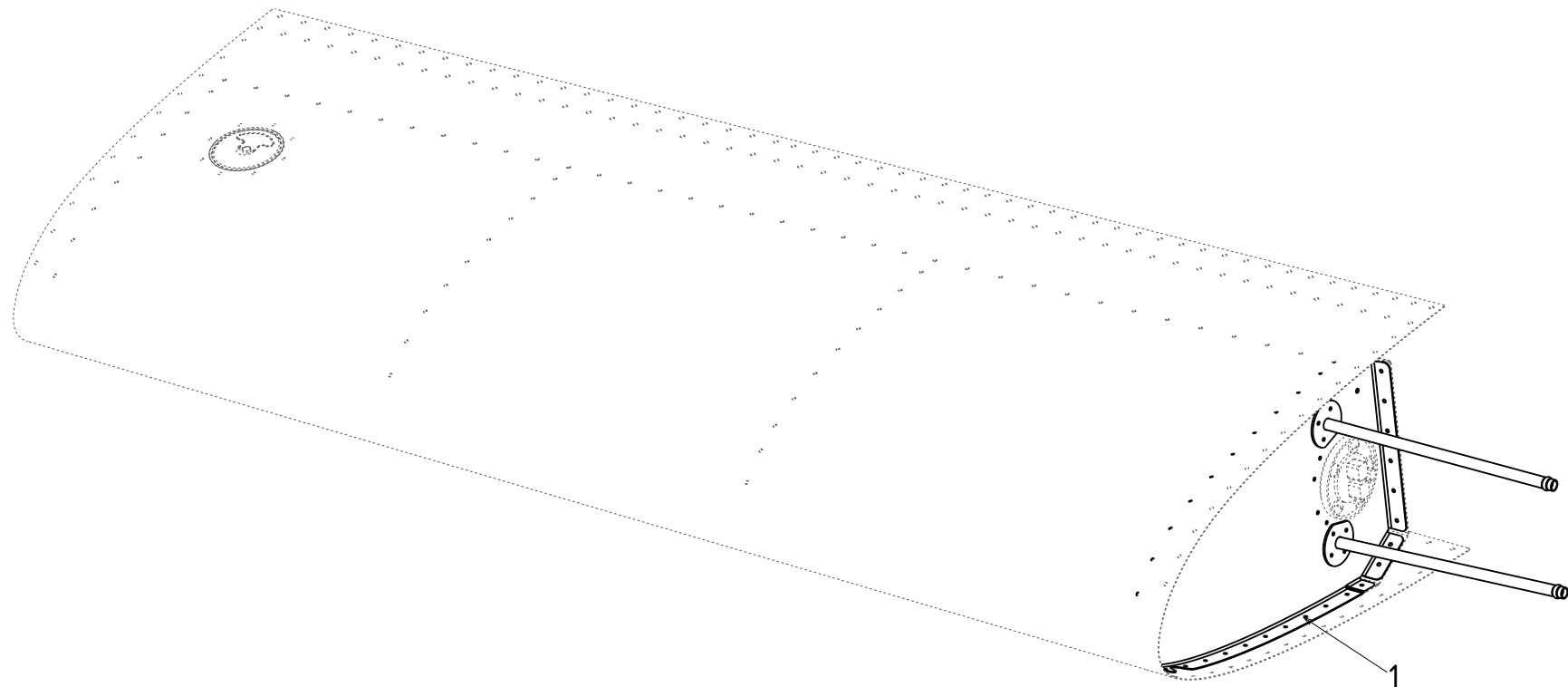
Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	57B270001R	B	POTAH PALIVOVE NADRZE	F T. SKIN
2	1	57B270002R	B	ZADNI STENA NADRZE	F.T. REAR WALL
3	1	57B270003N	B	PRIRUBA ODKALOVACIHO VENTILU	DRAIN OUTLET FLANGE
4	1	57B270019N	B	PODLOZKA	WASHER
5	1	57B275020N	C	SESTAVA KORENOVEHO ZEBRA	ROOT RIB ASSY
6	1	57B270030R	B	ZEBRO 3	RIB 3
7	1	57B270040R	B	ZEBRO 4	RIB 4
8	1	57B270050R	B	KONCOVE ZEBRO SESTAVA	TIP F.T. RIB ASSY
9	1	57B270054R	B	PLOVAK	FLOAT
10	1	AERO 300-A30 L R		VICKO NADRZE	TANK CAP
11	1	CURTIS CCA-1800		VYPOUSTECI VENTIL	FUEL VALVE
12	1	A2C59510162		PLOVAK PAKOVY	FUEL LEVEL SENSOR
13	196	1201-3208		NYT 3,2x8,0	RIVET 3,2x8,0
14	6	BE61-0408		NYT 3,2x6,6 NEREZ	RIVET 3,2x6,6 SS/SS
15	5	XC71.99		TESNENI TEMAFAS 5,5x11,7x2	TEMAFAST GASKET 5,5x11,7x2
16	5	M5x20 A2		SROUB BECHER	BECHER BOLT
17	1	PPG PR1440A2		TMEL NA PALIVOVE NADRZE	FUEL TANK SEALANT
18	1	565		LOCTITE	LOCTITE
19	as required	1201-4008		NYT 4x8,0	RIVET 4x8,0

2. FUELTANK SEALED WITH PR1440A2
1. MARK METHOD 1 - OS-020.01

2. PALIVOVA NADRZ UTESNENA POMOCI PR1440A2
1. METODA ZNACENI 1 - OS-020.01

Material: -					
Polotovár / Semi-product: ---					
Úprava povrchu / Finish: BRM 544 - 203					
Hmotnost / Weight (kg):					
Měřítka / Scale:	Promítání / Projection:	C		14.11.2023	jozef.hlusek
	Délkové rozměry / Units: mm	B		12.8.2020	radek.hemmel
1:6	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015		Kreslil / Drawn by	2.10.2019	jozef.hlusek

	Skupina sled./ Traceability class	Číslo výkresu / Drawing number	57B275000N	Type:	Index / Revision:
	II	Název / Name:		PRAVA PALIVOVA NADRZ SES. RIGHT FUEL TANK ASSY	BRISTELL B23
				List / Sheet:	Format / Size:
				1/1	A3



Change versus issue A:
supplemetn to drawing 57B275000N issue C

Změny oproti revizi A:
doplňk k výkresu 57B275000N revize C

2. IN ASSEMBLY 57B275000N issue C REPLACE:
57B275020N WITH 57B575020N
1. SUPPLEMENT TO DRAWING 57B275000N issue C

2. V SESTAVE 57B275000N revize C NAHRADIT:
57B275020N ZA 57B575020N
1. DOPLNEK K VYKRESU 57B275000N revize C

Material: -					
Polotovar / Semi - product: - - -					
Úprava povrchu / Finish: BRM 544 – 203					
Hmotnost / Weight (kg):					
Měřítka / Scale:	Projekce / Projection:				
	Délkové rozměry / Units: mm	B		14.11.2023	josef.hlusek
1:4	Přesnost / accuracy : ISO 2768 - cL	Index	Změna/Design change	Date	Podpis/Signature
	Tolerování / Toleration: ISO 8015		Kresil / Drawn by	11.11.2021	josef.hlusek
	Skupina sled./ Traceability class	Číslo výkresu / Drawing number	57B575000N		Type: Bristell B23-915
	II	Název / Name:	PRAVA PALIVOVA NADRZ SES. RIGHT FUEL TANK ASSY		Index / Revision: B
			List / Sheet: 1/1	Format / Size: A3	

Poz./Item No.	Mn./Q.	Č. v./Draw. No.	Rev.	Název	Name
1	1	57B575020N	A	SESTAVA KORENOVEHO ZEBRA	ROOT RIB ASSY