

Log of Revisions

Dates of issue for original and revised pages:	Date and sign of approval:
1st Edition (Chapter 4 & 5 only) 1. March 2011	EASA MAJOR CHANGE APPROVAL N° 10034512 8. April 2011
2nd Edition (Complete Manual except Chapter 4 & 5) 1. March 2011	Approved under the authority of DOA N° EASA.21J.073 20. May 2011
2nd Edition, Revision 1 13. September 2013	EASA MAJOR CHANGE APPROVAL N° 10046661 9. October 2013
2nd Edition, Revision 2 17. March 2014	The technical content of this document is approved under the authority of DOA ref. EASA.21J.073. (FAA Validation Process AT00672CE-A with EASA CSV Proj. N° 0010009466) 19. May 2014
2nd Edition, Revision 3 14. August 2015	The technical content of this document is approved under the authority of DOA N° EASA.21J.073 7. September 2015
2nd Edition, Revision 4 4. March 2016	The technical content of this document is approved under the authority of DOA N° EASA.21J.073 23. March 2016
2nd Edition, Revision 5 15. March 2017	The technical content of this document is approved under the authority of DOA N° EASA.21J.073 17. May 2017
2nd Edition, Revision 6 26. March 2021	The technical content of this document is approved under the authority of DOA N° EASA.21J.073 5. July 2021
2nd Edition, Revision 7 26. July 2021	The technical content of this document is approved under the authority of DOA N° EASA.21J.073 3. September 2021

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51-30-04**Various Components****Urethane Adhesives (for e. g. Canopy Glass)**

Manufacturer: 3M™
Aerospace and Aircraft Maintenance
Department
3M Center, Building 225-3S-06,
St. Paul, MN 55144-1000, USA
www.3M.com/aerospace

Supplier: Wesco Aircraft Germany GmbH
Buschhoehe 10,
28357 Bremen, Germany

Adhesive Sys.: Scotch Weld® 3549 B/A

Ratio of comp.: 100 parts base / 109 parts accelerator
(by weight),
100 / 100 (by volume)

Manufacturer: Henkel AG & Co. KGaA
Henkelstraße 67
40589 Düsseldorf, Germany

Supplier: Sahlberg GmbH
Friedrich-Schüle-Straße 20
85622 Feldkirchen/München, Germany

Adhesive Sys: Loctite® UK 8160 / Loctite® UK 5400

Ratio of comp.: 5 parts base / 1 parts accelerator (by
weight),
4.2 / 1 (by volume)

Other Adhesives

Manufacturer: Wacker Chemie

Supplier: Drawin Vertriebs GmbH
Rudolf Diesel Str. 15
85521 Riemerling/Ottobrunn

Type: Silikon Elastosil E14

Manufacturer: degussa/Evonic
Supplier: Mecaplex AG
Solothurnstr. 138
CH-2540 Grenchen
Type: ACRIFIX 190/KATALYSATOR 20

Corrosion Preventive Compound

Manufacturer: LEARCHEMICALRESEARCH
P.O. Box 1040, Mississauga
L4Y 3W3 Ontario, Canada
Supplier: Global Aviation & Piper Parts GmbH
Flughafen Kassel
D-34379 Calden
Type: ACF-50

Firewall Sealant

Observe Chapter 20-10-10 when working with firewall sealant.

Manufacturer: PRC-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342
www.ppgaerodpsce.com
Supplier: See www.ppgaerodpsce.com
Type: PR 812 (observe Chapter 20-10-10)
P/S 700
Manufacturer: Chem Seal Products
Manuf. By The Flamemaster Corporation
13576 Desmond Street,
Pacoima, CA 91331-2315
www.the.flamemaster.com
Supplier: NSLAerospace
33110 Old Hempstead Rd.
Magnolia, TX 77355
www.nslaerospace.com
Type: CS 1900

Manufacturer: Cytac Engineered Materials Inc.
D Aircraft Products, Inc
1191 N. Hawk Circle,
Anaheim, CA 92807

Supplier: NSLAerospace
33110 Old Hempstead Rd.
Magnolia, TX 77355
www.nslaerospace.com

Type: Dapco 2200

Fuel Tank Sealant

Manufacturer: 3M
Aerospace and Aircraft Maintenance
Department
3M Center, Building 223-1N-14
St. Paul, MN 55144-1000
www.3M.com/aerospace

Supplier: See www.3M.com/aerospace

Type: Scotch-Weld EC-776 (Scotch Clad 776)
Fuel Resistant Coating

Tape

Manufacturer: 3M
Aerospace and Aircraft Maintenance
Department
3M Center, Building 223-1N-14
St. Paul, MN 55144-1000
www.3M.com/aerospace

Supplier: See www.3M.com/aerospace

Type: Polyurethan (PU) tape Scotch 8671

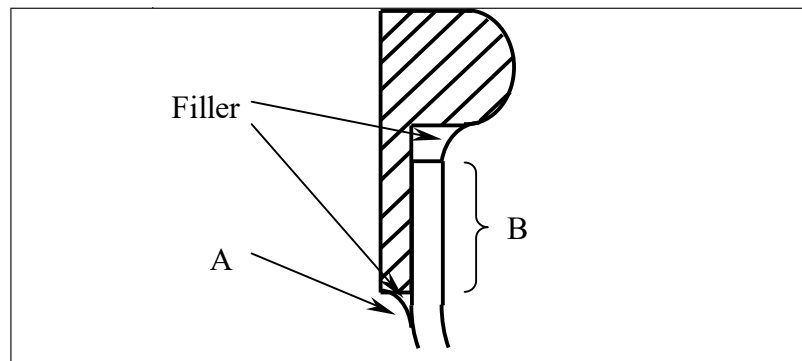


Figure 5 Canopy Adhesive Reminders

- 12 Remove the fine tape.
- 13 Prepare urethane adhesive (refer to Chapter 51-30-04 *Urethane Adhesives*):
Thoroughly mix approx. 300 g (approx. 10.6 oz.) adhesive (consider specified weight ratio and work life).
Mix approximately 15 seconds after a uniform color is obtained.
- 14 Put adhesive on the bonding area. For maximum bonding strength, apply product to both canopy glass and canopy frame.
- 15 Place canopy glass in canopy frame. Observe correct position using position markings.
- 16 Apply pressure on canopy glass using tightener to hold it in place.
- 17 Remove adhesive remainders with wooden spatula.
- 18 Curing time for fixed position (time to handling strength):
min. 8h @ 24°C (75°F) or 15h @ 20°C (68°F)
(Time to reach full cure: 7 days @ 24°C (75°F))
- 19 The next day: Remove tightener and remove canopy from form.
- 20 Sand down (using Scotch Brite Handpad Fine) a small area around the outside edge between canopy frame and canopy glass (area A in figure 5).
- 21 Apply primer (EP801-72, curing time: 24h) before applying filler (Glasurit 839-53) and refinish the area (refer to chapter 51-30).

NOTICE

Make sure, the filler does not get in contact with untreated canopy glass.

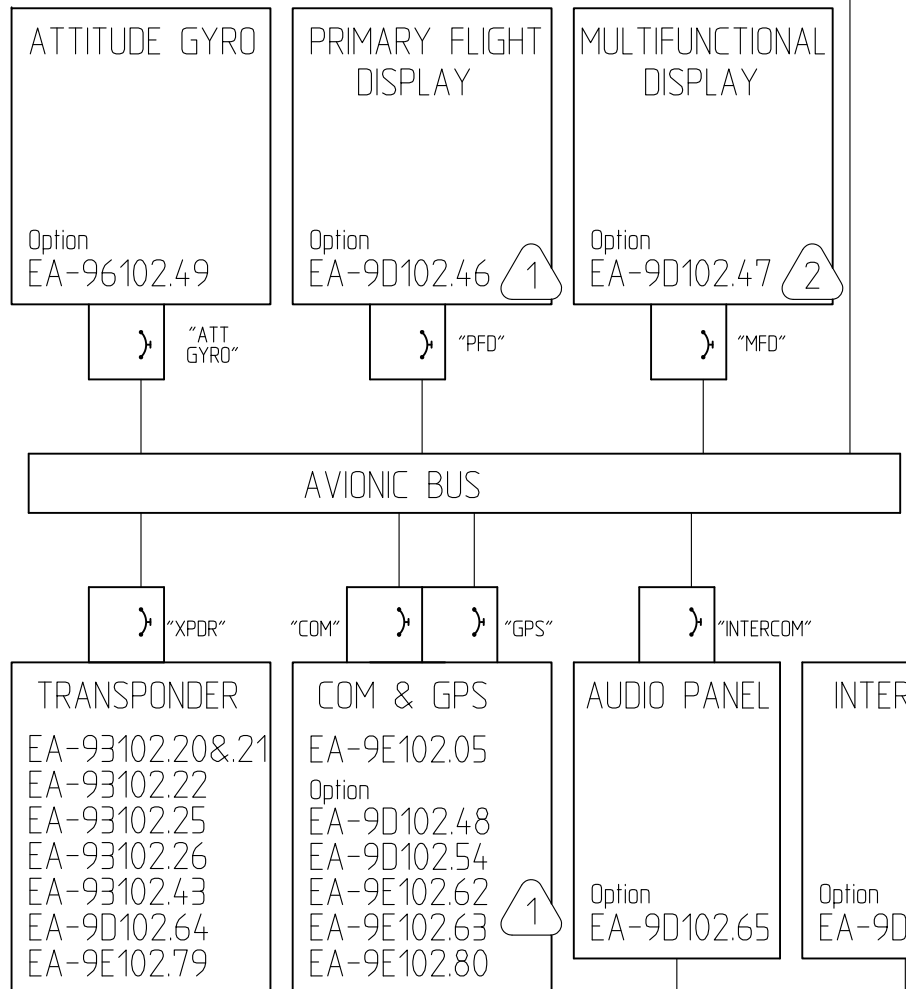
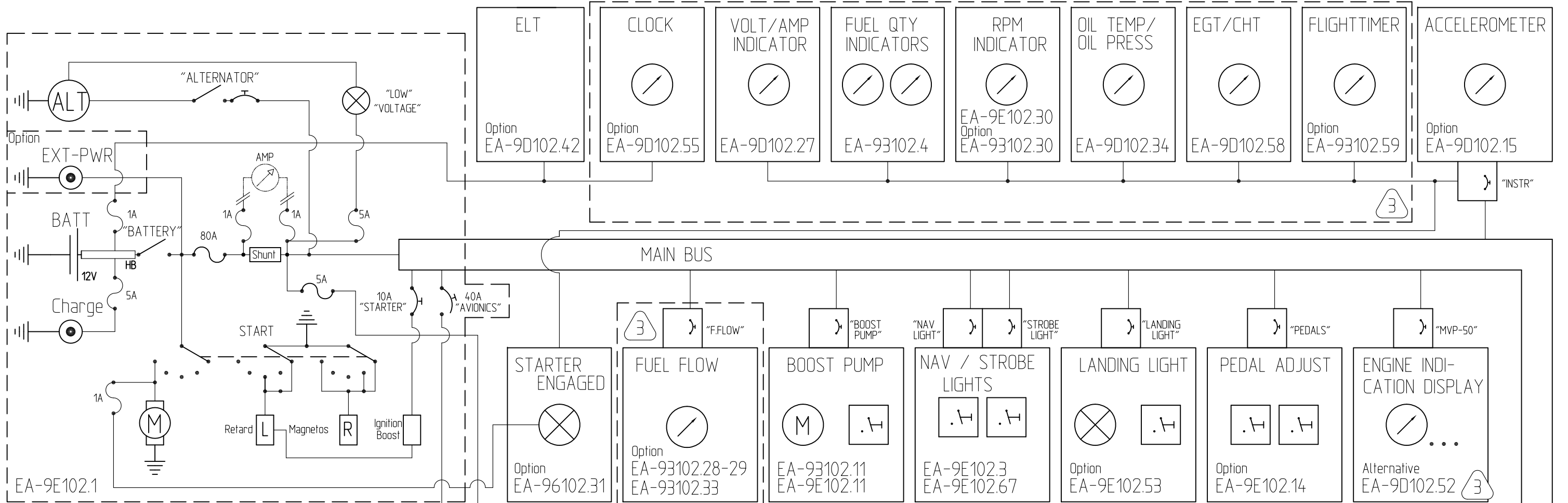
NOTE

Drawings and corresponding equipment are generally introduced with serial number LC001 or from the serial number given behind the drawing. Check the individual installation.

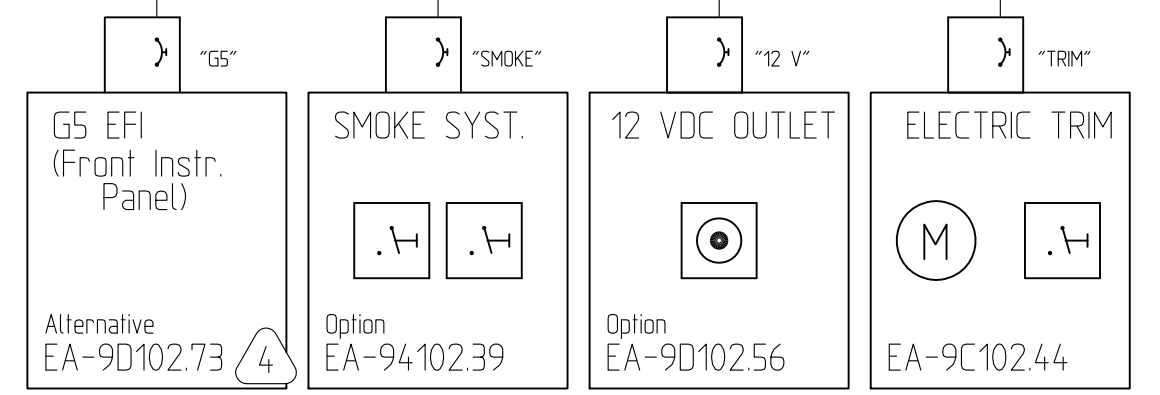
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EA-96102.31A	Starter Engaged Light
EA-93102.33	Fuel Flow FS-450

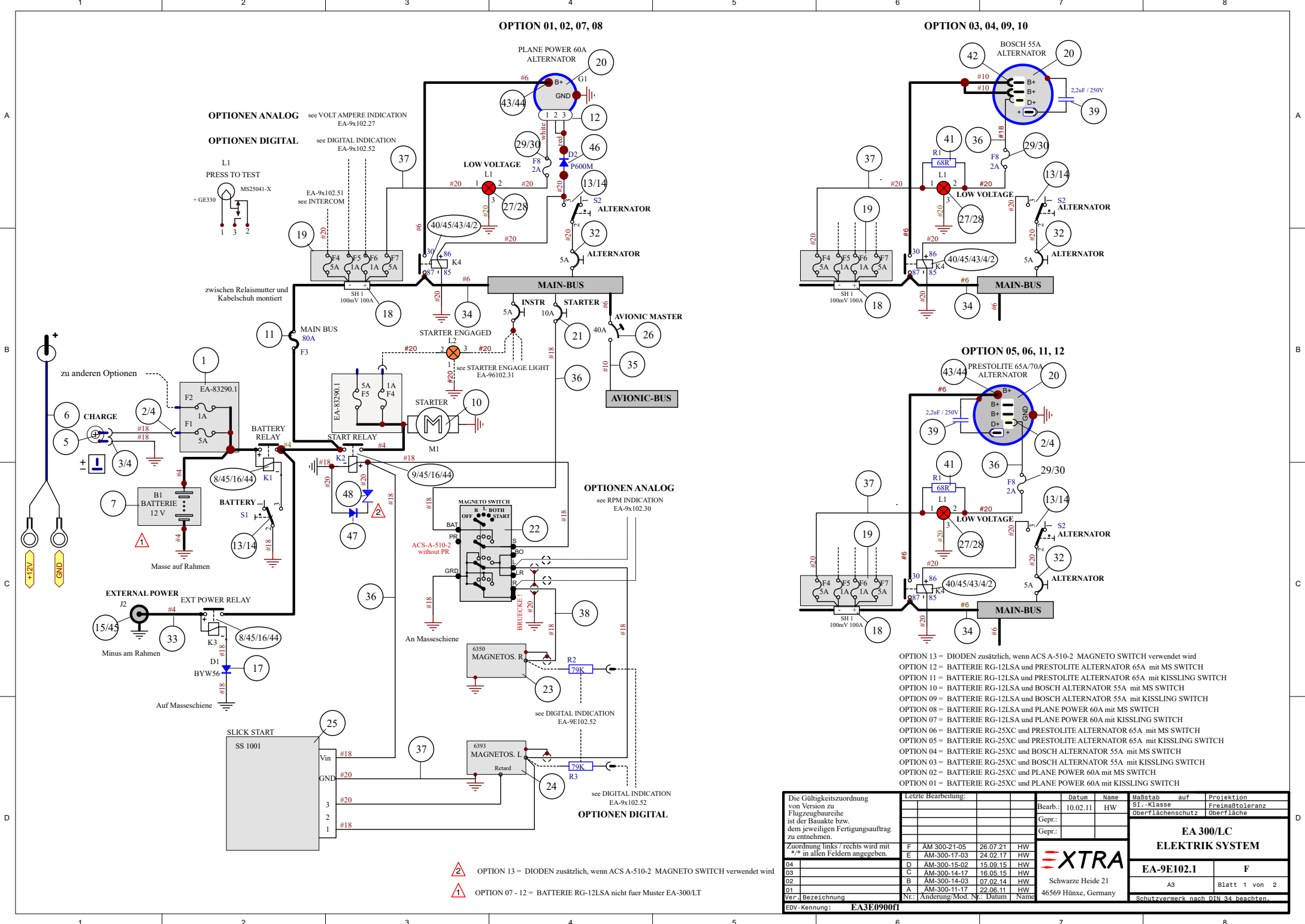
EA-9D102.34A	Oil Press/Temp Indication (up to LC053)
EA-9D102.34B	Oil Press/Temp Indication (from LC054)
EA-94102.39	Smoke System (Single Pump) (up to LC053)
EA-94102.39A	Smoke System (Single Pump) (from LC054)
EA-9D102.42A	ARTEX ME 406 ELT (from LC015 thru LC053)
EA-9D102.42B	ARTEX ME 406 ELT (from LC054)
EA-93102.43	Transponder BXP-6401-x & Enc
EA-9C102.44A	Electric Trim System
EA-9D102.46	Aspen EFD 1000 PFD (up to LC017)
EA-9D102.46A	Aspen EFD 1000 PFD (from LC018)
EA-9D102.47	Aspen EFD 500/1000 MFD (up to LC017)
EA-9D102.47A	Aspen EFD 500/1000 MFD (from LC018)
EA-9D102.48	Garmin GNC 420W
EA-96102.49	Attitude Gyro
EA-96102.49A	Attitude Gyro
EA-9D102.51A	Intercom NAT AA 83 (up to LC053)
EA-9D102.51D	Intercom NAT AA 83 (from LC054)
EA-9D102.52A Sheet 1	Digital Indication MVP-50P
EA-9D102.52A Sheet 2	Digital Indication MVP-50P
EA-9E102.53	Landing Light
EA-9D102.54	Garmin GNS 430W (up to LC060)
EA-9D102.54A	Garmin GNS 430W (from LC061)
EA-9D102.55	Clock
EA-9D102.56	12VDC Outlet
EA-9D102.58A	EGT & CHT Indication
EA-93102.59	FLIGHT TIMER
EA-9E102.60	GPSMAP 695
EA-9E102.62A	Garmin GTN 635 (up to LC060)
EA-9E102.62B	Garmin GTN 635 (from LC061)
EA-9E102.63A	Garmin GTN 650/750 (up to LC060)
EA-9E102.63B Sheet 1	Garmin GTN 650/750 (from LC061)
EA-9E102.63B Sheet 2	Garmin GTN 650/750 (from LC061)
EA-9D102.64A	Garmin GTX 33
EA-9D102.65A	Garmin GMA 35
EA-9E102.66	AERA 795
EA-9E102.67	Nav/Strobe Light Ultra Galactica
EA-9D102.68	Paneldock iPad Mini
EA-9C102.69	Kannad 406 AF ELT
EA-9D102.70	Dual USB Charging Port
EA-9D102.73	Garmin G5
EA-9E102.79	TT-2X XPDR
EA-9E102.80	TY91 COMR/T



- 4 Conventional altitude & airspeed ind. may be replaced by alternative EA-9D102.73
- 3 Conventional engine instrument Package, may be replaced by alternative EA-9D102.52
- 2 Option *.47 requires option *.46 to be installed
- 1 Option *.46 requires either option *.48, *.54, *.62 or *.63 to be installed

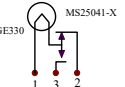


04	03	02	01	Nr	Benennung	-9E102	A3	Teilekennzeichen	ZF	Werkstoff	Abmessungen	Menge	Einheit	Gewicht	MaWi-Nr.	
Stueck / Version																
Die Gueltigkeitszuordnung von Version zu Flugzeugbaureihe ist der Bauakte bzw. dem jeweiligen Fertigungsauftrag zu entnehmen.					Letzte Bearbeitung		Datum		Name		Maßstab 1:1		auf A3		Projektion ISO	
							gez. 2010-09-14		MW		Sicherheitsklasse		n.a.		Freimaßtoleranz n.a.	
							gepr.				Oberfl.-Schutz		n.a.		Oberflächengüte	
Zuordnung links/rechts wird mit "/" in allen Feldern angegeben					F	ÄM-300-19-02 & -03	25.6.21	MW	gepr.		<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">EXTRA</div> Schwarze Heide 21 46569 Hünxe, Germany Schutzwert nach DIN 34 beachten					
04				D	ÄM-300-14-09	12.6.14	MW			EA 300/LC Electric System Schematic						
03				C	ÄM-300-14-04, -14-05	06.3.14	MW									
02				B	ÄM-300-14-03	06.2.14	MW									
01				A	ÄM-300-12-01	29.8.12	MW			EA-9E102		F				
Ver. Bezeichnung					Ausg. Änderungsmitteilung Nr.		Datum		Name		Blatt 1 von 1					



OPTIONEN ANALOG see VOLT AMPERE INDICATION EA-9x102.27

OPTIONEN DIGITAL see DIGITAL INDICATION EA-9x102.52



zwischen Relaismutter und Kabelschuh montiert

zu anderen Optionen

Masse auf Rahmen

EXTERNAL POWER EXT POWER RELAY

Minus am Rahmen

Auf Masseschiene

OPTION 01, 02, 07, 08

OPTION 03, 04, 09, 10

OPTION 05, 06, 11, 12

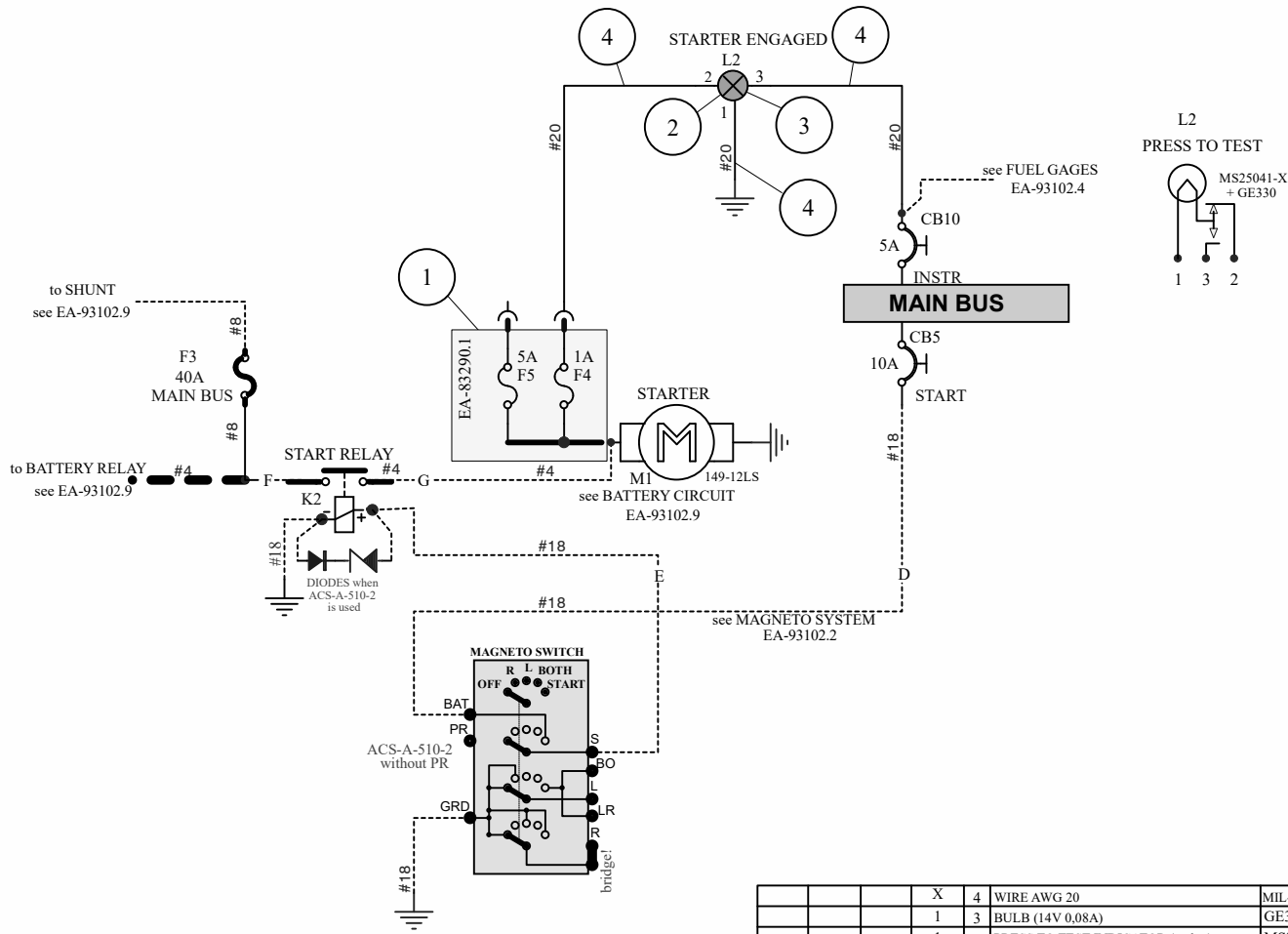
OPTIONEN ANALOG see RPM INDICATION EA-9x102.30

OPTIONEN DIGITAL see DIGITAL INDICATION EA-9x102.52

- OPTION 13 = DIODEN zusätzlich, wenn ACS A-510-2 MAGNETO SWITCH verwendet wird
- OPTION 07 - 12 = BATTERIE RG-12LSA nicht fuer Muster EA-300/LT

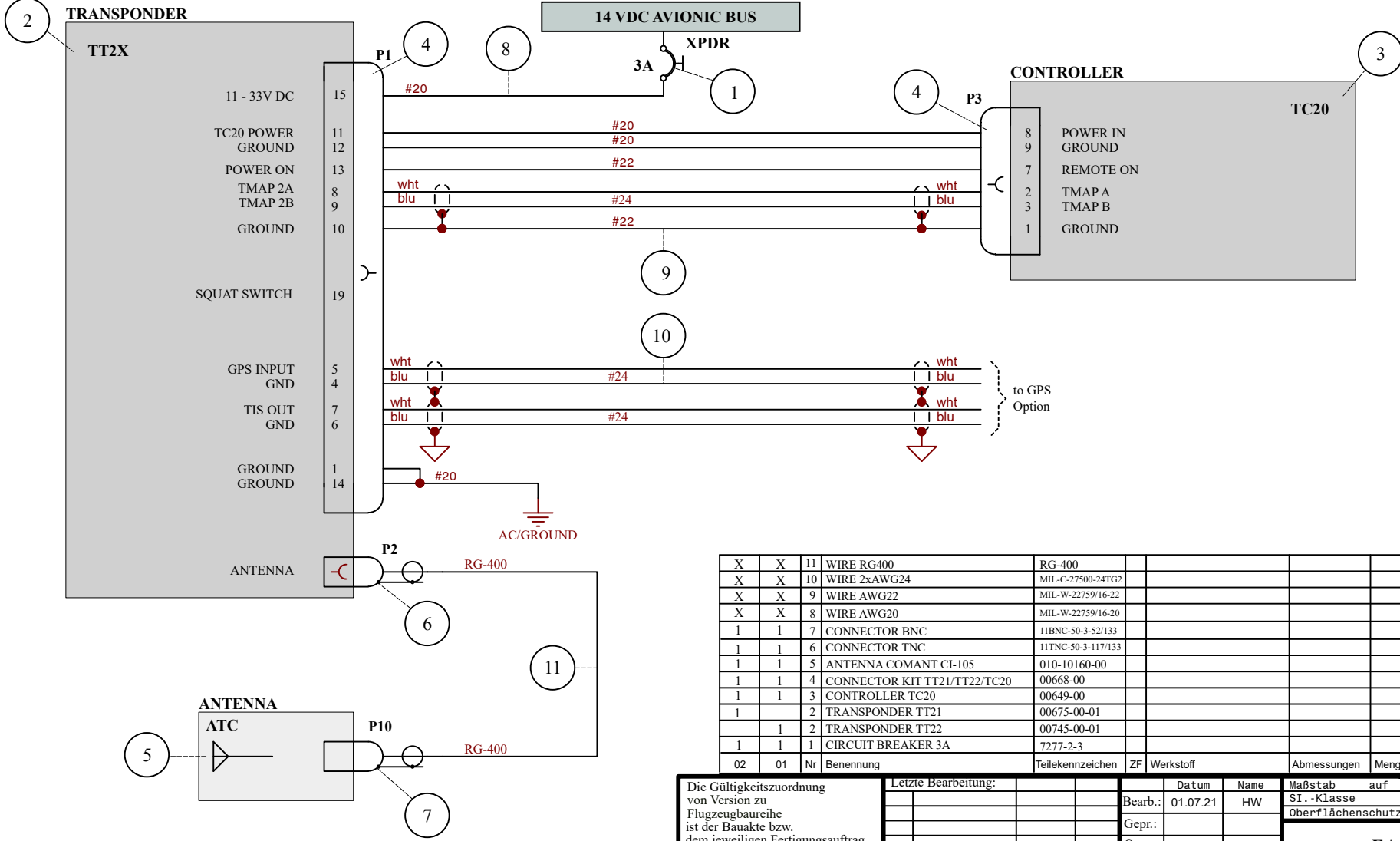
- OPTION 13 = DIODEN zusätzlich, wenn ACS A-510-2 MAGNETO SWITCH verwendet wird
- OPTION 12 = BATTERIE RG-12LSA und PRESTOLITE ALTERNATOR 65A mit MS SWITCH
- OPTION 11 = BATTERIE RG-12LSA und PRESTOLITE ALTERNATOR 65A mit KISSLING SWITCH
- OPTION 10 = BATTERIE RG-12LSA und BOSCH ALTERNATOR 55A mit MS SWITCH
- OPTION 09 = BATTERIE RG-12LSA und BOSCH ALTERNATOR 55A mit KISSLING SWITCH
- OPTION 08 = BATTERIE RG-12LSA und PLANE POWER 60A mit MS SWITCH
- OPTION 07 = BATTERIE RG-12LSA und PLANE POWER 60A mit KISSLING SWITCH
- OPTION 06 = BATTERIE RG-25XC und PRESTOLITE ALTERNATOR 65A mit MS SWITCH
- OPTION 05 = BATTERIE RG-25XC und PRESTOLITE ALTERNATOR 65A mit KISSLING SWITCH
- OPTION 04 = BATTERIE RG-25XC und BOSCH ALTERNATOR 55A mit MS SWITCH
- OPTION 03 = BATTERIE RG-25XC und BOSCH ALTERNATOR 55A mit KISSLING SWITCH
- OPTION 02 = BATTERIE RG-25XC und PLANE POWER 60A mit MS SWITCH
- OPTION 01 = BATTERIE RG-25XC und PLANE POWER 60A mit KISSLING SWITCH

Die Gültigkeitszuordnung von Version zu Flugzeugbaureihe ist der Bauakte bzw. dem jeweiligen Fertigungsauftrag zu entnehmen.	Letzte Bearbeitung:		Datum	Name	Maßstab	auf	Projektion
Zuordnung links / rechts wird mit */* in allen Feldern angegeben.	F	AM 300-21-05	26.07.21	HW			
	E	AM-300-17-03	24.02.17	HW			
	D	AM-300-15-02	15.09.15	HW			
	C	AM-300-14-17	16.05.15	HW			
	B	AM-300-14-03	07.02.14	HW			
	A	AM-300-11-17	22.08.11	HW			
Ver.: Bezeichnung	EA3E0900FI	Nr.: Änderung/Mod. Nr.:	Datum	Name	Schwarze Heide 21		
EDV - Kennung:	EA3E0900FI			46569 Hünxe, Germany			
					S1 - Klasse		Freimaßtoleranz
					Oberflächenschutz		Oberfläche
					EA 300/LC		
					ELEKTRIK SYSTEM		
					EA-9E102.1		F
					A3		Blatt 1 von 2
					Schutzvermerk nach DIN 34 beachten		



			X	4	WIRE AWG 20	MIL-W-22759/16-20			3,5	mtr		00775
			1	3	BULB (14V 0,08A)	GE330						01569
			1	2	PRESS TO TEST INDICATOR (amber)	MS25041-4					14	31732
			1	1	PCB FUSE 1A	83290.001-VB						83290.001VB

04	03	02	01	Nr	Benennung	Teilekennzeichen	ZF	Werkstoff	Abmessungen	Menge	Einheit	Gewicht	MaWi-Nr.
Die Gültigkeitszuordnung von Version zu Flugzeugbaureihe ist der Bauakte bzw. dem jeweiligen Fertigungsauftrag zu entnehmen.					Letzte Bearbeitung:				Datum	Name	Maßstab	auf	Projektion
Zuordnung links / rechts wird mit */* in allen Feldern angegeben.									Bearb.:	30.01.06	HW	SI.-Klasse	Freimaßtoleranz
									Gepr.:			Oberflächenschutz	Oberfläche
									Gepr.:			EA 300/L	
									XTRA		STARTER ENGAGED LIGHT		
											EA-96102.31		A
									Schwarze Heide 21 46569 Hünxe, Germany		A4	Blatt 1 von 1	
											Schutzvermerk nach DIN 34 beachten.		
Ver.-Bezeichnung					Nr.:	Änderung/Mod. Nr.:	Datum	Name					
EDV-Kennung:					EA3L0940a								



X	X	11	WIRE RG400	RG-400					mtr		FE4111
X	X	10	WIRE 2xAWG24	MIL-C-27500-24TG2					mtr		FE4006
X	X	9	WIRE AWG22	MIL-W-22759/16-22					mtr		01694
X	X	8	WIRE AWG20	MIL-W-22759/16-20					mtr		00775
1	1	7	CONNECTOR BNC	11BNC-50-3-52/133							30705
1	1	6	CONNECTOR TNC	11TNC-50-3-117/133							31633
1	1	5	ANTENNA COMANT CI-105	010-10160-00							30336
1	1	4	CONNECTOR KIT TT21/TT22/TC20	00668-00							35258
1	1	3	CONTROLLER TC20	00649-00							35260
1	1	2	TRANSPONDER TT21	00675-00-01							35254
1	1	2	TRANSPONDER TT22	00745-00-01							35257
1	1	1	CIRCUIT BREAKER 3A	7277-2-3							31507
02	01	Nr	Benennung	Teilekennzeichen	ZF	Werkstoff	Abmessungen	Menge	Einheit	Gewicht	MaWi-Nr.

Die Gültigkeitszuordnung von Version zu Flugzeugbaureihe ist der Bauakte bzw. dem jeweiligen Fertigungsauftrag zu entnehmen.

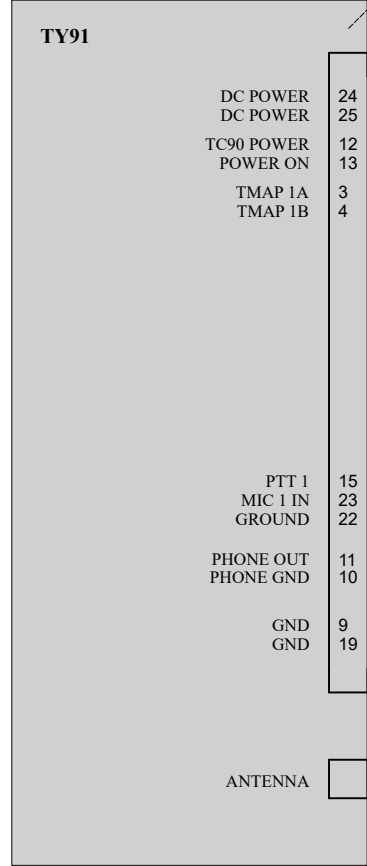
Zuordnung links / rechts wird mit */* in allen Feldern angegeben.

04											
03											
02	TRANSPONDER TT21										
01	TRANSPONDER TT22										
Ver.	Bezeichnung	Nr.	Änderung/Mod. Nr.	Datum	Name						

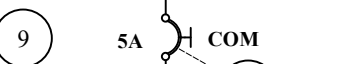
EDV-Kennung: **EA3E0994**

Letzte Bearbeitung:		Datum	Name	Maßstab	auf	Projektion		
		Bearb.: 01.07.21	HW	SI.-Klasse		Freimaßtoleranz		
		Gepr.:		Oberflächenschutz		Oberfläche		
		Gepr.:		EA 300/LC TT-2X XPDR				
		XTRA					EA-9E102.79	
							Schwarze Heide 21 46569 Hünxe, Germany	
				A4	Blatt 1 von 1			
				Schutzvermerk nach DIN 34 beachten.				

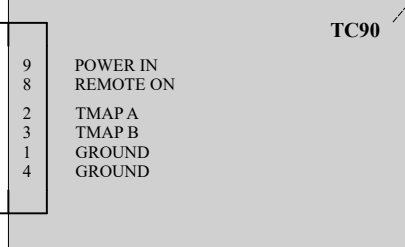
COM R/T



14 VDC AVIONIC BUS



CONTROLLER



INTERCOM



ANTENNA

COM ANTENNA

X	13	WIRE RG-400	RG-400						mtr	FE4111	
X	12	WIRE 3xAWG24	MIL-C-27500-24TG3						mtr	FE4009	
X	11	WIRE 2xAWG24	MIL-C-27500-24TG2						mtr	FE4006	
X	10	WIRE AWG22	MIL-W-22759/16-22						mtr	01694	
X	9	WIRE AWG20	MIL-W-22759/16-20						mtr	00775	
1	8	CONNECTOR BNC	11BNC-50-3-52/133							30705	
1	7	CONNECTOR TNC	11TNC-50-3-117/133							31633	
1	6	VHF ANTENNA	3001-10							FE4254	
1	5	CONNECTOR KIT TC90	00864-00							in 35021	
1	4	CONTROLLER TC90	00857-00-01							in 35021	
1	3	CONNECTOR KIT TY91	01453-00							in 35021	
1	2	COM R/T TY91	00882-00-01							in 35021	
1	1	CIRCUIT BREAKER 5A	7277-2-5							31506	
02	01	Nr	Benennung	Teilekennzeichen	ZF	Werkstoff	Abmessungen	Menge	Einheit	Gewicht	MaWi-Nr.

Die Gültigkeitszuordnung von Version zu Flugzeugbaureihe ist der Bauakte bzw. dem jeweiligen Fertigungsauftrag zu entnehmen.
Zuordnung links / rechts wird mit */* in allen Feldern angegeben.

Ver.	Bezeichnung	Nr.	Änderung/Mod. Nr.	Datum	Name
04					
03					
02					
01					

EDV-Kennung: **EA3E0995**

Letzte Bearbeitung:		Datum	Name	Maßstab	auf	Projektion
Bearb.:		01.07.21	HW	SI.-Klasse		Freimaßtoleranz
Gepr.:				Oberflächenschutz		Oberfläche
 Schwarze Heide 21 46569 Hünxe, Germany				EA 300/LC TY91 COM R/T		
				EA-9E102.80		Blatt 1 von 1
Schutzvermerk nach DIN 34 beachten.						