



Id	Туре	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector	TE:Deutsch	AS612-04SN	4 Pin Plug, 16 Gauge	1	4PinFirewall
2	Connector	TE	AS610-35PN Plug	13 Pin Autosport Connector	3	13PinFirewall, Accumulator,
				·		Maintenance
3	Diode		Generic Diode	Generic Diode	3	D1, D2, D3
4	Wire		16 AWG Red	Generic Wire	≥ 8.65 m	12VBattery_toFuse,
						12VMeasureCable,
						12V_IntoMainECU,
						BatteryFuse_toGLVMS,
						CoolingPWR,
						Cooling_RightBRB_toLeftBRB,
						Cooling_toRightBRB, Fan1PWR,
						Fan2PWR,
						GLV_RightBRB_toLeftBRB,
						GLV_ToCoolingFuse,
						GLV_ToECUFuse,
						LVFused_toRightBRB, PumpPWR,
						SSOKL, SSOKR, TSALPWR
5	Wire		16 AWG Brown	Generic Wire	0 in	W10, W11, W12, W13, W14, W15
6	Wire		22 AWG White	Generic Wire	≥ 1.5 m	DASH12,
						MCMaintFaultIndication,
						MCMaintRX, MCMaintTX,
						MCMaintXDCR_PWR, MotorCosNeg,
						MotorCosPos, MotorExcNeg,
						MotorExcPos, MotorSinNeg,
7	\A/:		22 AVA/C De-d	Canadia Mina	\ 1 C	MotorSinPos, MotorTempNeg
/	Wire		22 AWG Red	Generic Wire	≥ 1.6 m	BrakeLightPWR, BrakePWR,
0	Wire		22 AWG Brown	Generic Wire	0 in	DASH12V, PedalPWR1, PedalPWR2 W29, W30, W31
8	Wire		22 AWG Brown 22 AWG Yellow	Generic Wire	≥ 2.2 m	BMSOK, BrakeSignal,
9	vviie		22 AVVG fellow	Generic wire	2 2.2 111	LatchButtonSignal,
						MCMaintProgEnable,
						MotorTempPos, OKHS
10	Wire		16 AWG Violet	Generic Wire	≥ 1.7 m	ChargeEnableSignal,
	VVIIC		10 AVVO VIOIEL	Generic wife	<u> </u>	MaintChargeEnable,
						SHUTDOWN_F, SHUTDOWN_G
11	Ring Terminal		Unspecified gauge Black	Generic Ring Terminal	2	TSMS_IN, TSMS_OUT
12	Ring Terminal		14-12 AWG Black	Generic Ring Terminal	1	ChassisGND
13	Cable		CAN Cable	Cable for CAN Communications and Power	≥ 2.2 m	AccumCAN, CANMaint,
						MotorController_CAN
14	Ring Terminal		Unspecified gauge Violet	Generic Ring Terminal	1	ChargeEnable
15	Ring Terminal		Unspecified gauge Red	Generic Ring Terminal	12	12VMeasure, 12VMeasureMS,

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Id	Туре	Manufacturer	Part Number	Description	Quantity	Usage
						BRBRight_IN_GLV,
						BRB_Right_IN_COOLING,
						CoolingOut, CoolingSupply,
						Cooling_PostBRB, GLVMS_IN,
						GLVMS_Out, GLVSupply,
						GLVSupplySwitched, GLV_Out
16	Resistor		Generic Resistor	Generic Resistor	3	FUSE7A, FUSE10A, FUSE20A
17	Wire		16 AWG Green	Generic Wire	≥ 6.5 m	Fan1GND, Fan2GND,
						GLVBattery_ChassisGND,
						GNDMeasure, MainECUGND,
						PumpGND, SSOKL_GND,
						SSOKR_GND, TSALGND, W65
18	Wire		22 AWG Black	Generic Wire	≥ 0.2 m	MCMaintGND
19	Ring Terminal		26-22 AWG Black	Generic Ring Terminal	2	GNDMeasureChassis,
				_		GNDMeasurePoint
20	Wire		22 AWG Green	Generic Wire	≥ 2.8 m	Accel1GND, Accel2GND,
						BrakeGND,
						BrakeLightGNDConnection,
						LatchGND, W70
21	Wire		16 AWG Black	Generic Wire		MainGNDSpliceToGND
22	Connector		ASMPP30-1X2-RK	Anderson PowerPole 1X2	1	Battery
23	Connector		1327G6-BK	Anderson PowerPole 1	7	BrakeLight, Fan1Neg, Fan1Pos,
						Fan2Neg, Fan2Pos, PumpNeg,
						PumpPos
24	Splice		Generic Splice	Generic Splice	5	CANHSplice, CANLSplice,
						CAN_GND_Splice,
						MainGNDSplice,
						PostBRB_CoolingSupply
25	Boot	TE	776463/776464	Ampseal Boot	1	MotorController1
26	Connector		8STA60835SN		1	MotorResolver
27	Connector		8STA60235SN		1	MotorTemp
28	Connector		8 Cavity	Generic Connector	1	MotorController2
29	Connector		12 Cavity	Generic Connector	1	MotorController1

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From	То	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
12VMeasure	12VMeasureMS	12VMeasureCable.Red	16 AWG Red		16 AWG			
13PinFirewall.1	MainGNDSplice		, , , , , , , , , , , , , , , , , , , ,			≥ 0.25 m		ShieldGND
13PinFirewall.5	CANLSplice							CANL fromFirewall
13PinFirewall.6	CANHSplice							CANH from Firewall
13PinFirewall.8	CAN_GND_Splice							
Accumulator.2	ChargeEnable	ChargeEnableSignal.Violet	16 AWG Violet		16 AWG	≥ 0.5 m		ChargeEnable Signal
Accumulator.4	13PinFirewall.9	BMSOK.Yellow	22 AWG Yellow		22 AWG			BMS_OK
Accumulator.5	13PinFirewall.10	OKHS.Yellow	22 AWG Yellow		22 AWG			OKHS
Accumulator.7	13PinFirewall.4	AccumCAN.Red-PWR	CAN Cable		22 AWG			12V for Accumulator
Accumulator.8	CAN_GND_Splice	AccumCAN.Black-GND	CAN Cable		22 AWG			GND for Accumulator
Accumulator.9	CANLSplice	AccumCAN.White-CANL	CAN Cable		22 AWG	≥ 0.6 m		CANL For Accumulator
Accumulator.10	CANHSplice	AccumCAN.Green-CANH	CAN Cable		22 AWG			Accumulator CANH
BRBRight_IN_GLV	FUSE7A.NEG	LVFused_toRightBRB.Red	16 AWG Red		16 AWG			
		Cooling_toRightBRB.Red	16 AWG Red		16 AWG			
Battery.2	4PinFirewall.4	MainECUGND.Green	16 AWG Green			≥ 0.25 m		MainGND
BrakeLight.1	13PinFirewall.3	BrakeLightPWR.Red	22 AWG Red		22 AWG			Brake Light PWR
ChassisGND	Battery.2	GLVBattery_ChassisGND.Green	16 AWG Green		16 AWG			
CoolingOut	CoolingSupply	Cooling_RightBRB_toLeftBRB.Red	16 AWG Red		16 AWG	≥ 0.6 m		Cooling Supply before second
Cooling_PostBRB	PostBRB_CoolingSupply		16 AWG Red		16 AWG			3 11 3
FUSE20A.NEG	GLVMS IN	BatteryFuse_toGLVMS.Red	16 AWG Red		16 AWG	≥ 0.95 m		Battery+ Fused
FUSE20A.POS	Battery.1	12VBattery_toFuse.Red	16 AWG Red		16 AWG			Battery+ Unfused
Fan1Neg.1	13PinFirewall.7	Fan1GND.Green	16 AWG Green		16 AWG	≥ 0.6 m		Fan1-
Fan1Neg.1	D2.NEG							
Fan1Pos.1	D2.POS							
Fan1Pos.1	PostBRB_CoolingSupply	Fan1PWR.Red	16 AWG Red		16 AWG	≥ 1.1 m		Power for Fan1
Fan2Neg.1	4PinFirewall.3	Fan2GND.Green	16 AWG Green		16 AWG	≥ 0.9 m		Fan2-
Fan2Neg.1	D3.NEG							
Fan2Pos.1	D3.POS							
Fan2Pos.1	PostBRB_CoolingSupply	Fan2PWR.Red	16 AWG Red		16 AWG	≥ 0.4 m		Power for Fan2
GLVMS_Out	FUSE7A.POS	GLV_ToECUFuse.Red	16 AWG Red		16 AWG			
GLVMS_Out	FUSE10A.POS	GLV_ToCoolingFuse.Red	16 AWG Red		16 AWG			
GLVSupplySwitched	4PinFirewall.1	12V_IntoMainECU.Red	16 AWG Red		16 AWG	≥ 1.3 m		Power for GLV System
GLV_Out	GLVSupply	GLV_RightBRB_toLeftBRB.Red	16 AWG Red		16 AWG	≥ 0.6 m		
GNDMeasureChassis	GNDMeasurePoint	GNDMeasure.Green	16 AWG Green		16 AWG			
LatchButton	13PinFirewall.11	LatchButtonSignal.Yellow	22 AWG Yellow		22 AWG	≥ 0.7 m		
LatchButtonGND	MainGNDSplice	LatchGND.Green	22 AWG Green		22 AWG	≥ 0.95 m		
MainGNDSplice	BrakeLight.NegLead	BrakeLightGNDConnection.Green	22 AWG Green		22 AWG	≥ 1.85 m		
MainGNDSplice	ChassisGND	MainGNDSpliceToGND.Black	16 AWG Black		16 AWG			GND
MainGNDSplice	SSOK_LEFT_GND	SSOKL_GND.Green	16 AWG Green		16 AWG	≥ 1.55 m		
MainGNDSplice	SSOK_RIGHT_GND	SSOKR_GND.Green	16 AWG Green		16 AWG	≥ 0.95 m		
MainGNDSplice	TSAL_GND	TSALGND.Green	16 AWG Green		16 AWG	≥ 0.95 m		

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Title:	
Part Number:	HT04 Main Harness
Description:	



From	То	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
Maintenance.3	MotorController1.7	MCMaintGND.Black	22 AWG Black		22 AWG	≥ 0.2 m		
Maintenance.4	MotorController1.8	MCMaintProgEnable.Yellow	22 AWG Yellow		22 AWG	≥ 0.2 m		
Maintenance.5	MotorController1.9	MCMaintXDCR_PWR.White	22 AWG White		22 AWG	≥ 0.2 m		
Maintenance.6	MotorController1.10	MCMaintFaultIndication.White	22 AWG White		22 AWG	≥ 0.2 m		
Maintenance.8	13PinFirewall.8	CANMaint.Black-GND	CAN Cable		22 AWG	≥ 0.7 m		
Maintenance.9	CANLSplice	CANMaint.White-CANL	CAN Cable		22 AWG	≥ 0.7 m		
Maintenance.10	CANLSplice	CANMaint.Green-CANH	CAN Cable		22 AWG	≥ 0.7 m		
Maintenance.11	ChargeEnable	MaintChargeEnable.Violet	16 AWG Violet		16 AWG			
MotorController1.1	13PinFirewall.2	MotorController_CAN.Red-PWR	CAN Cable		22 AWG	≥ 0.9 m		Motor Controller PWR
MotorController1.2	CAN_GND_Splice	MotorController_CAN.Black-GND	CAN Cable		22 AWG	≥ 0.9 m		Motor Controller GND
MotorController1.3	CANHSplice	MotorController_CAN.Green-CANH	CAN Cable		22 AWG	≥ 0.9 m		Motor Controller CANH
MotorController1.4	CANLSplice	MotorController_CAN.White-CANL	CAN Cable		22 AWG	≥ 0.9 m		Motor Controller CANL
MotorController1.5	Maintenance.1	MCMaintTX.White	22 AWG White		22 AWG	≥ 0.2 m		
MotorController1.6	Maintenance.2	MCMaintRX.White	22 AWG White		22 AWG	≥ 0.2 m		
MotorController2.2	MotorResolver.1	MotorExcPos.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorController2.3	MotorResolver.2	MotorExcNeg.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorController2.4	MotorResolver.3	MotorSinPos.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorController2.5	MotorResolver.4	MotorSinNeg.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorController2.6	MotorResolver.5	MotorCosPos.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorController2.7	MotorResolver.6	MotorCosNeg.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorController2.8	MotorTemp.2	MotorTempNeg.White	22 AWG White		22 AWG	≥ 0.1 m		
MotorTemp.1	MotorController2.1	MotorTempPos.Yellow	22 AWG Yellow		22 AWG	≥ 0.1 m		
PumpNeg.1	4PinFirewall.2	PumpGND.Green	16 AWG Green		16 AWG	≥ 1.3 m		Pump1-
PumpNeg.1	D1.NEG							
PumpPos.1	D1.POS							
PumpPos.1	PostBRB_CoolingSupply	PumpPWR.Red	16 AWG Red		16 AWG	≥ 1.2 m		Power for Pump
SSOK_LEFT	13PinFirewall.13	SSOKL.Red	16 AWG Red		16 AWG	≥ 1.3 m		SSOK+Left Panel
SSOK_RIGHT	13PinFirewall.13	SSOKR.Red	16 AWG Red		16 AWG	≥ 0.7 m		SSOK Supply
TSAL	Accumulator.1	TSALPWR.Red	16 AWG Red		16 AWG	≥ 0.5 m		TSAL
TSMS_IN	13PinFirewall.12	SHUTDOWN_F.Violet	16 AWG Violet		16 AWG	≥ 0.7 m		SHUTDOWN
TSMS_OUT	Accumulator.6	SHUTDOWN_G.Violet	16 AWG Violet		16 AWG	≥ 0.5 m		SHUTDOWN6

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#	Туре	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Cable	AccumCAN		CAN Cable	Gray		≥ 0.6 m	
2	Cable	CANMaint		CAN Cable	Gray		≥ 0.7 m	
3	Cable	MotorController_CAN		CAN Cable	Gray		≥ 0.9 m	
4	Wire	12VBattery_toFuse		16 AWG Red	Red	16 AWG		
5	Wire	12VMeasureCable		16 AWG Red	Red	16 AWG		
6	Wire	12V_IntoMainECU		16 AWG Red	Red	16 AWG	≥ 1.3 m	
7	Wire	Accel1GND		22 AWG Green	Green	22 AWG	0 in	
8	Wire	Accel2GND		22 AWG Green	Green	22 AWG	0 in	
9	Wire	BMSOK		22 AWG Yellow	Yellow	22 AWG	≥ 0.6 m	
10	Wire	BatteryFuse_toGLVMS		16 AWG Red	Red	16 AWG	≥ 0.95 m	
11	Wire	BrakeGND		22 AWG Green	Green	22 AWG	0 in	
12	Wire	BrakeLightGNDConnection		22 AWG Green	Green	22 AWG	≥ 1.85 m	
13	Wire	BrakeLightPWR		22 AWG Red	Red	22 AWG	≥ 1.6 m	
14	Wire	BrakePWR		22 AWG Red	Red	22 AWG	0 in	
15	Wire	BrakeSignal		22 AWG Yellow	Yellow	22 AWG	0 in	
16	Wire	ChargeEnableSignal		16 AWG Violet	Violet	16 AWG	≥ 0.5 m	
17	Wire	CoolingPWR		16 AWG Red	Red	16 AWG		
18	Wire	Cooling_RightBRB_toLeftBRB		16 AWG Red	Red	16 AWG	≥ 0.6 m	
19	Wire	Cooling_toRightBRB		16 AWG Red	Red	16 AWG		
20	Wire	DASH12		22 AWG White	☐☐ White	22 AWG	0 in	
21	Wire	DASH12V		22 AWG Red	Red	22 AWG	0 in	
22	Wire	Fan1GND		16 AWG Green	Green	16 AWG	≥ 0.6 m	
23	Wire	Fan1PWR		16 AWG Red	Red	16 AWG	≥ 1.1 m	
24	Wire	Fan2GND		16 AWG Green	Green	16 AWG	≥ 0.9 m	
25	Wire	Fan2PWR		16 AWG Red	Red	16 AWG	≥ 0.4 m	
26	Wire	GLVBattery_ChassisGND		16 AWG Green	Green	16 AWG		
27	Wire	GLV_RightBRB_toLeftBRB		16 AWG Red	Red	16 AWG	≥ 0.6 m	
28	Wire	GLV_ToCoolingFuse		16 AWG Red	Red	16 AWG		
29	Wire	GLV_ToECUFuse		16 AWG Red	Red	16 AWG		
30	Wire	GNDMeasure		16 AWG Green	Green	16 AWG		
31	Wire	LVFused_toRightBRB		16 AWG Red	Red	16 AWG		
32	Wire	LatchButtonSignal		22 AWG Yellow	Yellow	22 AWG	≥ 0.7 m	
33	Wire	LatchGND		22 AWG Green	Green	22 AWG	≥ 0.95 m	
34	Wire	MCMaintFaultIndication		22 AWG White	☐☐ White	22 AWG	≥ 0.2 m	
35	Wire	MCMaintGND		22 AWG Black	Black	22 AWG	≥ 0.2 m	
36	Wire	MCMaintProgEnable		22 AWG Yellow	Yellow	22 AWG	≥ 0.2 m	
37	Wire	MCMaintRX		22 AWG White	☐☐ White	22 AWG	≥ 0.2 m	
38	Wire	MCMaintTX		22 AWG White	☐☐ White	22 AWG	≥ 0.2 m	
39	Wire	MCMaintXDCR_PWR		22 AWG White	☐☐ White	22 AWG	≥ 0.2 m	
40	Wire	MainECUGND		16 AWG Green	Green	16 AWG	≥ 0.25 m	
41	Wire	MainGNDSpliceToGND		16 AWG Black	Black	16 AWG		

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#	Туре	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
42	Wire	MaintChargeEnable		16 AWG Violet	Violet	16 AWG		
43	Wire	MotorCosNeg		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
44	Wire	MotorCosPos		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
45	Wire	MotorExcNeg		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
46	Wire	MotorExcPos		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
47	Wire	MotorSinNeg		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
48	Wire	MotorSinPos		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
49	Wire	MotorTempNeg		22 AWG White	☐☐ White	22 AWG	≥ 0.1 m	
50	Wire	MotorTempPos		22 AWG Yellow	Yellow	22 AWG	≥ 0.1 m	
51	Wire	OKHS		22 AWG Yellow	Yellow	22 AWG	≥ 0.6 m	
52	Wire	PedalPWR1		22 AWG Red	Red	22 AWG	0 in	
53	Wire	PedalPWR2		22 AWG Red	Red	22 AWG	0 in	
54	Wire	PumpGND		16 AWG Green	Green	16 AWG	≥ 1.3 m	
55	Wire	PumpPWR		16 AWG Red	Red	16 AWG	≥ 1.2 m	
56	Wire	SHUTDOWN F		16 AWG Violet	Violet	16 AWG	≥ 0.7 m	
57	Wire	SHUTDOWN G		16 AWG Violet	Violet	16 AWG	≥ 0.5 m	
58	Wire	SSOKL		16 AWG Red	Red	16 AWG	≥ 1.3 m	
59	Wire	SSOKL_GND		16 AWG Green	Green	16 AWG	≥ 1.55 m	
60	Wire	SSOKR		16 AWG Red	Red	16 AWG	≥ 0.7 m	
61	Wire	SSOKR_GND		16 AWG Green	Green	16 AWG	≥ 0.95 m	
62	Wire	TSALGND		16 AWG Green	Green	16 AWG	≥ 0.95 m	
63	Wire	TSALPWR		16 AWG Red	Red	16 AWG	≥ 0.5 m	
64	Wire	W10		16 AWG Brown	Brown	16 AWG	0 in	
65	Wire	W11		16 AWG Brown	Brown	16 AWG	0 in	
66	Wire	W12		16 AWG Brown	Brown	16 AWG	0 in	
67	Wire	W13		16 AWG Brown	Brown	16 AWG	0 in	
68	Wire	W14		16 AWG Brown	Brown	16 AWG	0 in	
69	Wire	W15		16 AWG Brown	Brown	16 AWG	0 in	
70	Wire	W29		22 AWG Brown	Brown	22 AWG	0 in	
71	Wire	W30		22 AWG Brown	Brown	22 AWG	0 in	
72	Wire	W31		22 AWG Brown	Brown	22 AWG	0 in	
73	Wire	W65		16 AWG Green	Green	16 AWG	0 in	
74	Wire	W70		22 AWG Green	Green	22 AWG	0 in	
75		13PinFirewall.1 - MainGNDSplice					≥ 0.25 m	
76		13PinFirewall.5 - CANLSplice						
77		13PinFirewall.6 - CANHSplice						
78		13PinFirewall.8 - CAN_GND_Splice						
79		Fan1Neg.1 - D2.NEG						
80		Fan1Pos.1 - D2.POS						
81		Fan2Neg.1 - D3.NEG						
82		Fan2Pos.1 - D3.POS						

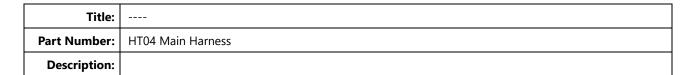
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Title:	
Part Number:	HT04 Main Harness
Description:	



#	Туре	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
83		PumpNeg.1 - D1.NEG						
84		PumpPos.1 - D1.POS						

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#	Manufacturer	Part Number	Description	Label Text

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