

5						
Fuse/Relay Box						
Cavity	Item	Wire	Length (mm)	Cavity	Item	Wire Length (mm)
1	D	-	-	25	C/Y	43 PK 350
2	C/Y	38 RD	350	26	C/Y	45 RD 350
3	D	-	-	27	C/Y	56 RD 350
4	C/Y	29 RD	350	28	C/Y	57 RD 350
5	D	-	-	29	D	-
6	C/Y	61 RD	350	30	D	-
8	C/Y	21 PK	350	31	D	-
9	C/Y	49 RD	350	32	D	-
9	D/Y	-	-	33	C/Y	46 RD 350
10	D/Y	-	-	34	C/Y	44 PK 350
11	C/Y	61 RD	350	35	C/Y	58 RD 350
12	C/Y	55 RD	350	36	C/Y	22 PK 350
13	D/Y	-	-	37	C/Y	25 RD 350
14	D/Y	-	-	38	C/Y	27 BK 350
15	C/Y	52 RD	350	39	C/Y	54 BK 350
16	C/Y	59 RD	350	40	C/Y	55 RD 350
17	D	-	-	41	C/Y	51 BK 350
18	D	-	-	42	D	-
19	D	-	-	43	D	-
20	D	-	-	44	D	-
21	D	-	-	45	D	-
22	D	-	-	46	C/Y	34 PK 350
23	D	-	-	47	C/Y	68 RD 350
24	D	-	-	48	C/Y	51 PK 350

Layout view					
	4	3	2	1	
8	A	B	C		5
12					9
16	E	F	G	H	1
20					
24					2
28	(30)	(85)	(30)	(85)	2
32	J	(87a)	N	(87a)	2
36	(86)	(87)	(86)	(87)	3
40	(30)	(85)	(30)	(85)	3
44	L	(87a)	M	(87a)	4
	(86)	(87)	(86)	(87)	
	48	47	46	45	

Fuse/Relay Box		
Position	Item	Description
A	AF	Key 20A
B	AE	Lights 15A
C	AC	Water pump
E	AE	Oil cooler
F	AC	PS power
G	AE	Spare 15A
H	AC	Spare 5A
J	AB	Auxiliary relay
L	AB	Oil cooler relay
M	AB	Op. presence relay
N	AB	Engine power relay

Insertion view			
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48

SPLICE No.6		
ENGINE POWER		
Item	Wire	Lgth
W	31 PK	Splices
	34 PK	to the
	44 PK	band en
	45 PK	of the

SPLICE No.4		
KEY SWITCH PWR		
Item	Wire	Lgth
W	18 PK	410-
	19 PK	
	21 PK	
	22 PK	
	51 PK	

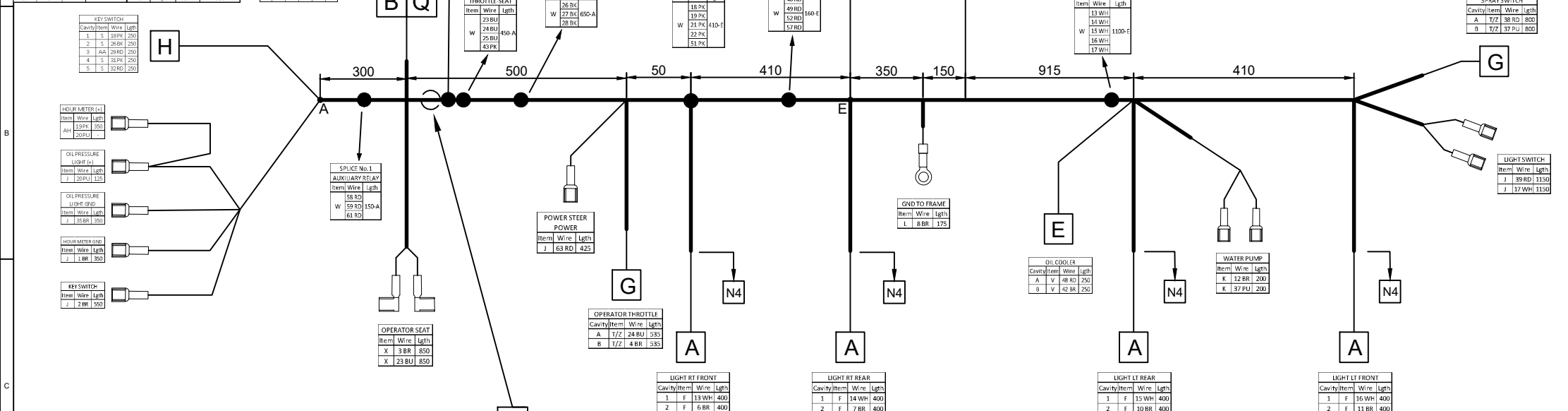
SPLICE No.5		
BATTERY POWER		
Item	Wire	Lgt
W	40 RD	160-
	49 RD	
	52 RD	
	57 RD	

ENGINE			
Cavity	Item	Wire	Lg
2	N	32 RD	1/8"
3	N	46 RD	1/8"
4	N	9BR	1/8"
5	N	28 BK	1/8"
6	N	35 BR	1/8"

SPLICE No.7		
OPERATOR SEAT		
Item	Wire	Lgth
W	13 WH	1100-E
	14 WH	
	15 WH	
	16 WH	

SPRAY SWITCH			
Cavity	Item	Wire	Lgth
A	T/Z	38 RD	800
B	T/Z	37 PU	800

LIGHT SWITCH		
Item	Wire	Lgth
J	39 RD	1150
J	17 WH	1150



Wire chart					
No.	Color	Size [AWG]	No.	Color	[AWG]
1	BROWN	16	28	BLACK	16
2	BROWN	16	29	RED	12
3	BROWN	16	31	PINK	18
4	BROWN	16	32	RED	14
5	BROWN	16	34	PINK	16
6	BROWN	16	35	BROWN	16
7	BROWN	16	37	PURPLE	16
8	BROWN	12	38	RED	16
9	BROWN	16	39	RED	12
10	BROWN	16	40	RED	12
11	BROWN	16	42	BROWN	16
12	BROWN	16	43	PINK	16
13	WHITE	16	44	PINK	16
14	WHITE	16	45	RED	16
15	WHITE	16	46	RED	16
16	WHITE	16	48	RED	16
17	WHITE	16	49	RED	12
18	PINK	16	51	PINK	16
19	PINK	18	52	RED	16
20	PURPLE	16	54	BROWN	16
21	PINK	16	55	RED	16
22	PINK	16	56	BROWN	16
23	BLUE	16	57	RED	16
24	BLUE	16	58	RED	16
25	BLUE	16	59	RED	16
26	BLACK	16	61	RED	16
27	BLACK	16	63	RED	16

NOTES:

1. HARNESS IS DRAWN AND IS TO BE PRODUCED PER WN STO DEE-47 UNLESS OTHERWISE SPECIFIED
2. WIRE: PER SAE J1128 GXL. TXL ACCEPTABLE IF THIN CABLES REQUIRED, USE TXL WHERE NOTED
3. CHANGES DONE TO THIS HARNESS MUST ALSO BE DONE TO THE SCHEMATIC 599 07 68-01
4. NO LOOM TAILS TO BE VISIBLE IN THESE AREAS. LOOM TO BE STARTED AT THESE POINTS IF POSSIBLE
5. ALL DIMENSIONS ARE IN MILLIMETERS
6. ITEM M TO BE PUNCHED TO $\frac{5}{16}$ "

COMMON GROUND	
Item	Wire
W	1 BR
W	2 BR
W	3 BR
W	4 BR
W	5 BR
W	6 BR
W	7 BR
W	8 BR
W	9 BR
W	10 BR
W	11 BR
W	12 BR
W	20 BR
W	42 BR
W	54 BR
W	56 BR

Connectors, Terminals, Fuses									
Item	Qty	Description	Manufacturer	Manufacturer No	Item	Qty	Description	Manufacturer	Manufacturer No
A	4	Plug	Deutsch/TE	DT06-25	Q	6	TPA	GEP	PM-TR1
A	4	Locking wedge	Deutsch/TE	W25	S	4	Terminal, Female	Delphi/Aptiv	2965142
B	1	Fuse/Relay box	GEP	PDM-T2A81	T	4	Terminal, Male	Packard	12124582
C	30	Seal	Delphi/Aptiv	15324982	V	2	Terminal, Female, 1/4", 18-14 AWG	TE	42100-2
D	18	Weather plug	Cavathy Pak	12010300	W	7	Splice	-	-
E	1	Connector, housing	TE	180907	X	2	Flag terminal, insul., 1/4", 16-14 AWG	TE	3-520132-2
F	8	Terminal, Female	TE/Deutsch	1062-16-0122	Y	30	Pin	Packard	12077411
G	2	Connector, Male, 2-way	Packard	12010973	Z	4	Cable seal	Packard	15324980
H	1	Connector, Female, 2-way	Packard	2973422-B	AA	1	Terminal, Female	Delphi/Aptiv	2965143
J	7	Terminal, Female, insul., 1/4", 16-14 AWG	TE	3-350819-2	AB	3	Relay, micro, 12V	Song Chuan	301-1C-C-R1 U01
K	2	Terminal, Male, insulated, 1/4", 16-14 AWG	TE	3-520106-2	AC	3	Fuse, MINI, 5A	Littelfuse	0297005
L	1	Ring terminal, 3/8", 12-10 AWG	Delphi/Aptiv	12004437	AE	3	Fuse, MINI, 15A	Littelfuse	0297015
M	1	Ring terminal, 5/16", 12 AWG (See Note 6)	Delphi/Aptiv	12004437	AF	1	Fuse, MINI, 20A	Littelfuse	0297020
N	5	Pin	TE/Deutsch	0046-202-16141	AG	1	Diode	Vishay	P600M
P	1	Receptacle	TE/Deutsch	DT04-6P	AH	1	Terminal, Female, insulated, 1/4", 10 AWG	TE	4-520447-2
	1	Locking wedge	TE/Deutsch	W6P					

A	Drawing created	JMF	WN	2013-12-11
B	Redrawn to current format	MB	TE	2021-06-15
C	Cable 40 to AWG 12; Engine PWR Relay added, with cables: 43, 44, 45, 46	MB	TE	2022-01-03
Rev.	Description	Design	Check	Date



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Design By MB	Title Wire harness Main circuit CRT48-37V
Checked By TE	
Approved By TG	
Date	

37V - Copy.dwg		Printed 25 February 2022 at 18:11	
Items shown in this drawing must not contain substances classified as "banned" or "restricted" according to the Husqvarna Group Restricted Materials List (see www.purchase.husqvarna.com)			Sheet No 1 Of 1
Function	Article No.		Rev.
Location	599 07 68-01		C