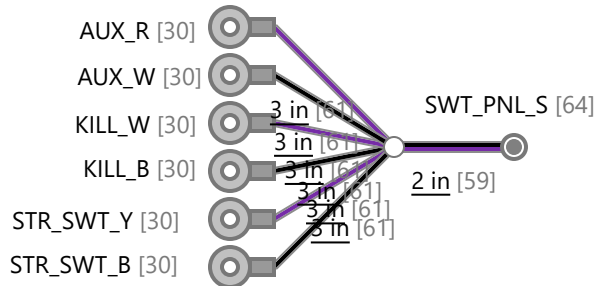


BRL\_F

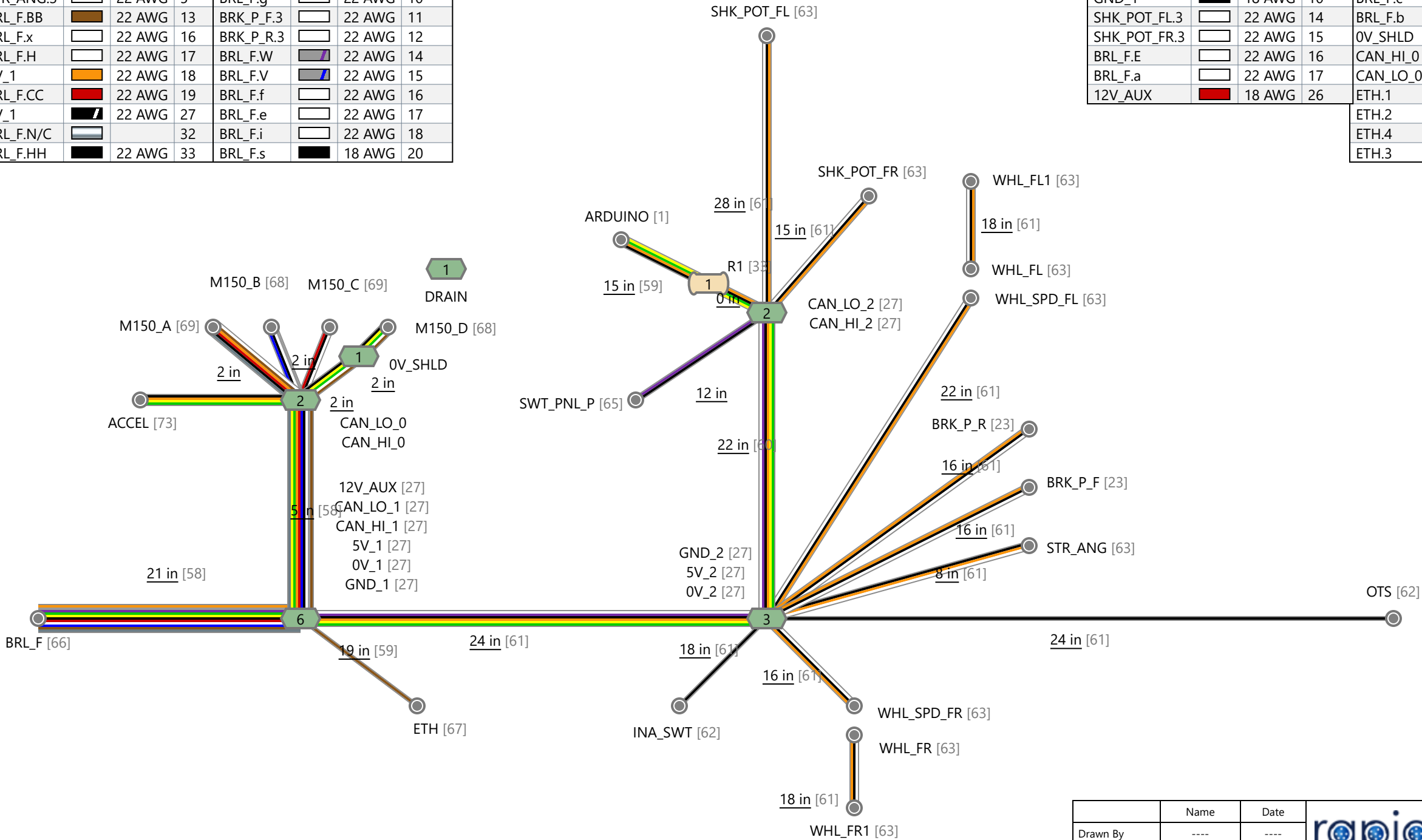
To	Color	Gauge	Cavity
SWT_PNL_P.1		22 AWG	AA
M150_A.13		22 AWG	BB
M150_A.19		22 AWG	CC
0V_SHLD		22 AWG	DD
M150_C.16		22 AWG	E
M150_D.1		22 AWG	EE
0V_SHLD		22 AWG	FF
M150_D.2		22 AWG	GG
M150_A.17		22 AWG	H
M150_A.33		22 AWG	HH
M150_A.4		22 AWG	L
M150_A.3		22 AWG	P
M150_B.15		22 AWG	V
M150_B.14		22 AWG	W
M150_B.9		22 AWG	X
M150_B.8		22 AWG	Y
5V_1		22 AWG	Z
M150_C.17		22 AWG	a
M150_D.11		22 AWG	b
M150_D.10		22 AWG	c
M150_A.2		22 AWG	d
M150_B.17		22 AWG	e
M150_B.16		22 AWG	f
M150_B.10		22 AWG	g
M150_A.1		22 AWG	h
M150_B.18		22 AWG	i
M150_C.6		18 AWG	j
M150_C.5		18 AWG	k
M150_C.4		18 AWG	m
M150_C.3		18 AWG	n
M150_B.1		22 AWG	p
M150_B.2		22 AWG	q
0V_1		22 AWG	r
M150_B.20		18 AWG	s
GND_1		18 AWG	t
12V_AUX		18 AWG	u
CAN_HI_1		22 AWG	v
CAN_LO_1		22 AWG	w
M150_A.16		22 AWG	x
SWT_PNL_P.3		22 AWG	y
SWT_PNL_P.5		22 AWG	z
M150_A.32			N/C



M150_A				M150_B			
To	Color	Gauge	Cavity	To	Color	Gauge	Cavity
BRL_F.h		22 AWG	1	BRL_F.p		22 AWG	1
BRL_F.d		22 AWG	2	BRL_F.q		22 AWG	2
BRL_F.P		22 AWG	3	BRL_F.Y		22 AWG	8
BRL_F.L		22 AWG	4	BRL_F.X		22 AWG	9
STR_ANG.3		22 AWG	5	BRL_F.g		22 AWG	10
BRL_F.BB		22 AWG	13	BRK_P_F.3		22 AWG	11
BRL_F.x		22 AWG	16	BRK_P_R.3		22 AWG	12
BRL_F.H		22 AWG	17	BRL_F.W		22 AWG	14
5V_1		22 AWG	18	BRL_F.V		22 AWG	15
BRL_F.CC		22 AWG	19	BRL_F.f		22 AWG	16
0V_1		22 AWG	27	BRL_F.e		22 AWG	17
BRL_F.N/C			32	BRL_F.i		22 AWG	18
BRL_F.HH		22 AWG	33	BRL_F.s		18 AWG	20



M150_C				M150_D			
To	Color	Gauge	Cavity	To	Color	Gauge	Cavity
BRL_F.n		18 AWG	3	BRL_F.EE		22 AWG	1
BRL_F.m		18 AWG	4	BRL_F.GG		22 AWG	2
BRL_F.k		18 AWG	5	WHL_SPD_FL.3		22 AWG	8
BRL_F.j		18 AWG	6	WHL_SPD_FR.3		22 AWG	9
GND_1		18 AWG	10	BRL_F.c		22 AWG	10
SHK_POT_FL.3		22 AWG	14	BRL_F.b		22 AWG	11
SHK_POT_FR.3		22 AWG	15	0V_SHLD		22 AWG	15
BRL_F.E		22 AWG	16	CAN_HI_0		22 AWG	17
BRL_F.a		22 AWG	17	CAN_LO_0		22 AWG	18
12V_AUX		18 AWG	26	ETH.1		22 AWG	23
				ETH.2		22 AWG	24
				ETH.4		22 AWG	25
				ETH.3		22 AWG	26












































<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector		2 Cavity	Generic Connector	1	ARDUINO
9	Wire		18 AWG Red	Generic Wire	28 in	W16, W18
21	Wire		18 AWG Black	Generic Wire	56 in	W20, W183, W184
23	Connector		3 Cavity	Generic Connector	2	BRK_P_F, BRK_P_R
27	Splice		Generic Splice	Generic Splice	11	0V_1, 0V_2, 5V_1, 5V_2, 12V_AUX, CAN_HI_1, CAN_HI_2, CAN_LO_1, CAN_LO_2, GND_1, GND_2
30	Ring Terminal		18 AWG Gray	Generic Ring Terminal	6	AUX_R, AUX_W, KILL_B, KILL_W, STR_SWT_B, STR_SWT_Y
33	Resistor		Generic Resistor	Generic Resistor	1	R1
38	Wire		22 AWG Violet	Generic Wire	252 in	W73, W74, W75, W166, W167, W168
39	Wire		22 AWG Black	Generic Wire	262 in	W76, W77, W78, W82, W83, W84, W85, W169, W170, W171
41	Wire		22 AWG Orange	Generic Wire	≥ 295 in	W1, W2, W38, W86, W87, W88, W89, W110, W112, W114, W118, W119, W124, W125
43	Wire		22 AWG Black - White		≥ 258 in	W5, W6, W37, W44, W128, W129, W130, W131, W132, W134, W135, W141, W142, W144
44	Wire		22 AWG Gray - Blue Stripe		28 in	W146
46	Wire		22 AWG Gray - Red Stripe		28 in	W148
47	Wire		22 AWG Gray - Black Stripe		28 in	W149
48	Wire		18 AWG White-Blue	Generic Wire	28 in	W150
50	Wire		18 AWG White-Red	Generic Wire	28 in	W152
51	Wire		18 AWG White-Black	Generic Wire	28 in	W153
52	Wire		22 AWG Yellow	Generic Wire	≥ 89 in	W41, W42, W154, W155, W156, W157, W162
53	Wire		22 AWG Blue	Generic Wire	56 in	W164, W165
54	Cable		2 Wire 22 AWG shielded	Generic Cable	≥ 56 in	CBL_CKP, CBL_CMP
55	Cable		3 Wire 22 AWG shielded	Generic Cable	28 in	CBL_KNOCK
56	Wire		22 AWG Green	Generic Wire	≥ 89 in	W39, W40, W176, W177, W178, W179, W185
57	Wire		22 AWG Brown	Generic Wire	≥ 104 in	W48, W180, W181, W182
58	Sleeving	TE Connectivity / Raychem	DR-25-3/4-0	Heat-Shrinkable Flexible Chemical and Abrasion Resistant Tubing 2: 1 3/4-Inch Black	26 in	See Drawing
59	Sleeving	TE Connectivity / Raychem	DR-25-3/16-0	Heat-Shrinkable Flexible Chemical and Abrasion Resistant Tubing 2: 1 3/16-Inch Black	36 in	See Drawing
60	Sleeving	TE Connectivity / Raychem	DR-25-1/4-0	Heat-Shrinkable Flexible Chemical and Abrasion Resistant Tubing 2: 1 1/4-Inch Black	22 in	See Drawing










































<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
61	Sleeving	TE Connectivity / Raychem	DR-25-1/8-0	Heat Shrink Tubing 2: 1 Cross-Linked Elastomer Black	241 in	See Drawing
62	Connector	TE Connectivity - Deutsch	DTM04-2P	TE Connectivity - Deutsch DT Series Connector	2	INA_SWT, OTS
63	Connector	TE Connectivity	DTM04-3P	Conn Housing RCP 3 POS Crimp ST Cable Mount Automotive	9	SHK_POT_FL, SHK_POT_FR, STR_ANG, WHL_FL, WHL_FL1, WHL_FR, WHL_FR1, WHL_SPD_FL, WHL_SPD_FR
64	Connector	TE Connectivity - Deutsch	DTM04-6S	TE Connectivity - Deutsch DT Series Connector	1	SWT_PNL_S
65	Connector	TE Connectivity - Deutsch	DTM04-6P	TE Connectivity - Deutsch DT Series Connector	1	SWT_PNL_P
66	Connector	TE Connectivity / DEUTSCH	MS3470A22-55S	MIL Series Connector, 55 Contact(s), Aluminum Alloy, Female, Crimp Terminal, Receptacle	1	BRL_F
67	Connector	TE Connectivity - Deutsch	DTM04-4P	TE Connectivity - Deutsch DT Series Connector	1	ETH
68	Connector	TE Connectivity	1473416-1	CONNECTOR, PLUG, SUPER SEAL, 26WAY; Series: Super Seal; No. of Positions: 26; For	2	M150_B, M150_D
69	Connector	TE Connectivity	3-1437290-9	SUPER SEAL Series, 34 Way Cable Mount Plug Housing   TE Connectivity 3-1437290-9	2	M150_A, M150_C
70	Wire		22 AWG Gray - Violet		28 in	W7
71	Wire		18 AWG White - Violet		28 in	W8
72	Wire		22 AWG White	Generic Wire	≥ 810 in	W9, W10, W11, W12, W13, W14, W15, W17, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35
73	Connector	TE Connectivity	DTM04-4P	Combination Line Connector, 4 Contact(s), Male, Crimp Terminal, Plug	1	ACCEL






















<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	From Strip	To Strip	Length	Twisted With
1	Cable	CBL_CKP		2 Wire 22 AWG shielded	 White				≥ 28 in	
2	Cable	CBL_CMP		2 Wire 22 AWG shielded	 White				≥ 28 in	
3	Cable	CBL_KNOCK		3 Wire 22 AWG shielded	 White				28 in	
4	Wire	W1		22 AWG Orange	 Orange	22 AWG			18 in	
5	Wire	W2		22 AWG Orange	 Orange	22 AWG			18 in	
6	Wire	W5		22 AWG Black - White	 Black-White	22 AWG			18 in	
7	Wire	W6		22 AWG Black - White	 Black-White	22 AWG			18 in	
8	Wire	W7		22 AWG Gray - Violet	 Gray-Violet	22 AWG			28 in	
9	Wire	W8		18 AWG White - Violet	 White-Violet	18 AWG			28 in	
10	Wire	W9		22 AWG White	 White	22 AWG			28 in	
11	Wire	W10		22 AWG White	 White	22 AWG			28 in	
12	Wire	W11		22 AWG White	 White	22 AWG			28 in	
13	Wire	W12		22 AWG White	 White	22 AWG			28 in	
14	Wire	W13		22 AWG White	 White	22 AWG			28 in	
15	Wire	W14		22 AWG White	 White	22 AWG			81 in	
16	Wire	W15		22 AWG White	 White	22 AWG			28 in	
17	Wire	W16		18 AWG Red	 Red	18 AWG			7 in	
18	Wire	W17		22 AWG White	 White	22 AWG			28 in	
19	Wire	W18		18 AWG Red	 Red	18 AWG			21 in	
20	Wire	W20		18 AWG Black	 Black	18 AWG			21 in	
21	Wire	W21		22 AWG White	 White	22 AWG			≥ 47 in	
22	Wire	W22		22 AWG White	 White	22 AWG			39 in	
23	Wire	W23		22 AWG White	 White	22 AWG			28 in	
24	Wire	W24		22 AWG White	 White	22 AWG			47 in	
25	Wire	W25		22 AWG White	 White	22 AWG			68 in	
26	Wire	W26		22 AWG White	 White	22 AWG			≥ 28 in	
27	Wire	W27		22 AWG White	 White	22 AWG			≥ 28 in	
28	Wire	W28		22 AWG White	 White	22 AWG			28 in	
29	Wire	W29		22 AWG White	 White	22 AWG			28 in	
30	Wire	W30		22 AWG White	 White	22 AWG			28 in	
31	Wire	W31		22 AWG White	 White	22 AWG			28 in	
32	Wire	W32		22 AWG White	 White	22 AWG			47 in	
33	Wire	W33		22 AWG White	 White	22 AWG			18 in	
34	Wire	W34		22 AWG White	 White	22 AWG			≥ 53 in	
35	Wire	W35		22 AWG White	 White	22 AWG			18 in	
36	Wire	W37		22 AWG Black - White	 Black-White	22 AWG			≥ 5 in	
37	Wire	W38		22 AWG Orange	 Orange	22 AWG			≥ 5 in	
38	Wire	W39		22 AWG Green	 Green	22 AWG			5 in	
39	Wire	W40		22 AWG Green	 Green	22 AWG				
40	Wire	W41		22 AWG Yellow	 Yellow	22 AWG			5 in	
41	Wire	W42		22 AWG Yellow	 Yellow	22 AWG				










































<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	From Strip	To Strip	Length	Twisted With
42	Wire	W44		22 AWG Black - White	 Black-White	22 AWG				
43	Wire	W48		22 AWG Brown	 Brown	22 AWG			≥ 26 in	
44	Wire	W73		22 AWG Violet	 Violet	22 AWG			79 in	
45	Wire	W74		22 AWG Violet	 Violet	22 AWG			79 in	
46	Wire	W75		22 AWG Violet	 Violet	22 AWG			79 in	
47	Wire	W76		22 AWG Black	 Black	22 AWG			34 in	
48	Wire	W77		22 AWG Black	 Black	22 AWG			42 in	
49	Wire	W78		22 AWG Black	 Black	22 AWG			18 in	
50	Wire	W82		22 AWG Black	 Black	22 AWG			58 in	
51	Wire	W83		22 AWG Black	 Black	22 AWG			24 in	
52	Wire	W84		22 AWG Black	 Black	22 AWG			37 in	
53	Wire	W85		22 AWG Black	 Black	22 AWG			34 in	
54	Wire	W86		22 AWG Orange	 Orange	22 AWG			22 in	
55	Wire	W87		22 AWG Orange	 Orange	22 AWG			16 in	
56	Wire	W88		22 AWG Orange	 Orange	22 AWG			16 in	
57	Wire	W89		22 AWG Orange	 Orange	22 AWG			8 in	
58	Wire	W110		22 AWG Orange	 Orange	22 AWG			24 in	
59	Wire	W112		22 AWG Orange	 Orange	22 AWG			37 in	
60	Wire	W114		22 AWG Orange	 Orange	22 AWG			21 in	
61	Wire	W118		22 AWG Orange	 Orange	22 AWG			50 in	
62	Wire	W119		22 AWG Orange	 Orange	22 AWG			16 in	
63	Wire	W124		22 AWG Orange	 Orange	22 AWG			7 in	
64	Wire	W125		22 AWG Orange	 Orange	22 AWG			37 in	
65	Wire	W128		22 AWG Black - White	 Black-White	22 AWG			22 in	
66	Wire	W129		22 AWG Black - White	 Black-White	22 AWG			16 in	
67	Wire	W130		22 AWG Black - White	 Black-White	22 AWG			16 in	
68	Wire	W131		22 AWG Black - White	 Black-White	22 AWG			8 in	
69	Wire	W132		22 AWG Black - White	 Black-White	22 AWG			7 in	
70	Wire	W134		22 AWG Black - White	 Black-White	22 AWG			16 in	
71	Wire	W135		22 AWG Black - White	 Black-White	22 AWG			24 in	
72	Wire	W141		22 AWG Black - White	 Black-White	22 AWG			21 in	
73	Wire	W142		22 AWG Black - White	 Black-White	22 AWG			50 in	
74	Wire	W144		22 AWG Black - White	 Black-White	22 AWG			37 in	
75	Wire	W146		22 AWG Gray - Blue Stripe	 Gray-Blue	22 AWG			28 in	
76	Wire	W148		22 AWG Gray - Red Stripe	 Gray-Red	22 AWG			28 in	
77	Wire	W149		22 AWG Gray - Black Stripe	 Gray-Black	22 AWG			28 in	
78	Wire	W150		18 AWG White-Blue	 White-Blue	18 AWG			28 in	
79	Wire	W152		18 AWG White-Red	 White-Red	18 AWG			28 in	
80	Wire	W153		18 AWG White-Black	 White-Black	18 AWG			28 in	
81	Wire	W154		22 AWG Yellow	 Yellow	22 AWG			46 in	
82	Wire	W155		22 AWG Yellow	 Yellow	22 AWG			≥ 2 in	

<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	










































#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	From Strip	To Strip	Length	Twisted With
83	Wire	W156		22 AWG Yellow	 Yellow	22 AWG			0 in	
84	Wire	W157		22 AWG Yellow	 Yellow	22 AWG			21 in	
85	Wire	W162		22 AWG Yellow	 Yellow	22 AWG			15 in	
86	Wire	W164		22 AWG Blue	 Blue	22 AWG			28 in	
87	Wire	W165		22 AWG Blue	 Blue	22 AWG			28 in	
88	Wire	W166		22 AWG Violet	 Violet	22 AWG			5 in	
89	Wire	W167		22 AWG Violet	 Violet	22 AWG			5 in	
90	Wire	W168		22 AWG Violet	 Violet	22 AWG			5 in	
91	Wire	W169		22 AWG Black	 Black	22 AWG			5 in	
92	Wire	W170		22 AWG Black	 Black	22 AWG			5 in	
93	Wire	W171		22 AWG Black	 Black	22 AWG			5 in	
94	Wire	W176		22 AWG Green	 Green	22 AWG			46 in	
95	Wire	W177		22 AWG Green	 Green	22 AWG			≥ 2 in	
96	Wire	W178		22 AWG Green	 Green	22 AWG			0 in	
97	Wire	W179		22 AWG Green	 Green	22 AWG			15 in	
98	Wire	W180		22 AWG Brown	 Brown	22 AWG			≥ 26 in	
99	Wire	W181		22 AWG Brown	 Brown	22 AWG			≥ 26 in	
100	Wire	W182		22 AWG Brown	 Brown	22 AWG			≥ 26 in	
101	Wire	W183		18 AWG Black	 Black	18 AWG			28 in	
102	Wire	W184		18 AWG Black	 Black	18 AWG			7 in	
103	Wire	W185		22 AWG Green	 Green	22 AWG			21 in	

<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	

From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
0V_1	0V_2	 W135.Black-White	22 AWG Black - White		22 AWG	24 in		
0V_1	ACCEL.2	 W37.Black-White	22 AWG Black - White		22 AWG	≥ 5 in		
0V_1	M150_A.27	 W132.Black-White	22 AWG Black - White		22 AWG	7 in		
0V_2	BRK_P_F.2	 W130.Black-White	22 AWG Black - White		22 AWG	16 in		
0V_2	BRK_P_R.2	 W129.Black-White	22 AWG Black - White		22 AWG	16 in		
0V_2	SHK_POT_FL.2	 W142.Black-White	22 AWG Black - White		22 AWG	50 in		
0V_2	SHK_POT_FR.2	 W144.Black-White	22 AWG Black - White		22 AWG	37 in		
0V_2	STR_ANG.2	 W131.Black-White	22 AWG Black - White		22 AWG	8 in		
0V_2	WHL_SPD_FL.2	 W128.Black-White	22 AWG Black - White		22 AWG	22 in		
0V_2	WHL_SPD_FR.2	 W134.Black-White	22 AWG Black - White		22 AWG	16 in		
0V_SHLD	M150_D.15	 W44.Black-White	22 AWG Black - White		22 AWG			
5V_1	5V_2	 W110.Orange	22 AWG Orange		22 AWG	24 in		
5V_1	ACCEL.1	 W38.Orange	22 AWG Orange		22 AWG	≥ 5 in		
5V_1	M150_A.18	 W124.Orange	22 AWG Orange		22 AWG	7 in		
5V_2	ARDUINO.N/C	 W112.Orange	22 AWG Orange		22 AWG	37 in		
5V_2	BRK_P_F.1	 W87.Orange	22 AWG Orange		22 AWG	16 in		
5V_2	BRK_P_R.1	 W88.Orange	22 AWG Orange		22 AWG	16 in		
5V_2	SHK_POT_FL.1	 W118.Orange	22 AWG Orange		22 AWG	50 in		
5V_2	SHK_POT_FR.1	 W125.Orange	22 AWG Orange		22 AWG	37 in		
5V_2	STR_ANG.1	 W89.Orange	22 AWG Orange		22 AWG	8 in		
5V_2	WHL_SPD_FL.N/C	 W86.Orange	22 AWG Orange		22 AWG	22 in		
5V_2	WHL_SPD_FR.1	 W119.Orange	22 AWG Orange		22 AWG	16 in		
12V_AUX	M150_C.26	 W16.Red	18 AWG Red		18 AWG	7 in		ECU_12V_SUPPLY
ARDUINO.N/C	CAN_HI_2	 W179.Green	22 AWG Green		22 AWG	15 in		
ARDUINO.N/C	CAN_LO_2	 W162.Yellow	22 AWG Yellow		22 AWG	15 in		
AUX_R	SWT_PNL_S.1	 W166.Violet	22 AWG Violet		22 AWG	5 in		
AUX_W	SWT_PNL_S.2	 W169.Black	22 AWG Black		22 AWG	5 in		
BRK_P_F.3	M150_B.11	 W32.White	22 AWG White		22 AWG	47 in		
BRK_P_R.3	M150_B.12	 W24.White	22 AWG White		22 AWG	47 in		
BRL_F.AA	SWT_PNL_P.1	 W73.Violet	22 AWG Violet		22 AWG	79 in		KILL_SWT 12V
BRL_F.BB	M150_A.13	 CBL_KNOCK.Brown	3 Wire 22 AWG shielded		22 AWG	28 in		
BRL_F.CC	M150_A.19	 CBL_KNOCK.Red	3 Wire 22 AWG shielded		22 AWG	28 in		
BRL_F.DD	0V_SHLD	 CBL_CKP.Black	2 Wire 22 AWG shielded		22 AWG	28 in		
BRL_F.EE	M150_C.16	 W28.White	22 AWG White		22 AWG	28 in		SHK_POT_RL
BRL_F.FF	M150_D.1	 CBL_CKP.Brown	2 Wire 22 AWG shielded		22 AWG	≥ 28 in		
BRL_F.GG	0V_SHLD	 CBL_CMP.Black	2 Wire 22 AWG shielded		22 AWG	28 in		ECU GND
BRL_F.HH	M150_D.2	 CBL_CMP.Brown	2 Wire 22 AWG shielded		22 AWG	≥ 28 in		
BRL_F.HI	M150_A.17	 W31.White	22 AWG White		22 AWG	28 in		V_SPD
BRL_F.HH	M150_A.33	 CBL_KNOCK.Black	3 Wire 22 AWG shielded		22 AWG	28 in		
BRL_F.L	M150_A.4	 W15.White	22 AWG White		22 AWG	28 in		TPS
BRL_F.P	M150_A.3	 W17.White	22 AWG White		22 AWG	28 in		EGT





























<b>Title:</b>	----
<b>Part Number:</b>	2024 Front Harness
<b>Description:</b>	

From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
BRL_F.V	M150_B.15	 W146.Gray-Blue	22 AWG Gray - Blue Stripe		22 AWG	28 in		INJ_4
BRL_F.W	M150_B.14	 W7.Gray-Violet	22 AWG Gray - Violet		22 AWG	28 in		INJ_3
BRL_F.X	M150_B.9	 W148.Gray-Red	22 AWG Gray - Red Stripe		22 AWG	28 in		INJ_2
BRL_F.Y	M150_B.8	 W149.Gray-Black	22 AWG Gray - Black Stripe		22 AWG	28 in		INJ_1
BRL_F.Z	5V_1	 W114.Orange	22 AWG Orange		22 AWG	21 in		
BRL_F.a	M150_C.17	 W30.White	22 AWG White		22 AWG	28 in		SHK_POT_RR
BRL_F.b	M150_D.11	 W27.White	22 AWG White		22 AWG	≥ 28 in		WHL_SPD_RR
BRL_F.c	M150_D.10	 W26.White	22 AWG White		22 AWG	≥ 28 in		WHL_SPD_RL
BRL_F.d	M150_A.2	 W29.White	22 AWG White		22 AWG	28 in		CLNT_T
BRL_F.e	M150_B.17	 W10.White	22 AWG White		22 AWG	28 in		OIL_P
BRL_F.f	M150_B.16	 W11.White	22 AWG White		22 AWG	28 in		AMB_P
BRL_F.g	M150_B.10	 W12.White	22 AWG White		22 AWG	28 in		TMAP_P
BRL_F.h	M150_A.1	 W23.White	22 AWG White		22 AWG	28 in		TMAP_T
BRL_F.i	M150_B.18	 W13.White	22 AWG White		22 AWG	28 in		FL_P
BRL_F.j	M150_C.6	 W150.White-Blue	18 AWG White-Blue		18 AWG	28 in		COIL_4
BRL_F.k	M150_C.5	 W8.White-Violet	18 AWG White - Violet		18 AWG	28 in		COIL_3
BRL_F.m	M150_C.4	 W152.White-Red	18 AWG White-Red		18 AWG	28 in		COIL_2
BRL_F.n	M150_C.3	 W153.White-Black	18 AWG White-Black		18 AWG	28 in		COIL_1
BRL_F.p	M150_B.1	 W164.Blue	22 AWG Blue		22 AWG	28 in		FL_RLY
BRL_F.q	M150_B.2	 W165.Blue	22 AWG Blue		22 AWG	28 in		FAN_RLY
BRL_F.r	0V_1	 W141.Black-White	22 AWG Black - White		22 AWG	21 in		
BRL_F.s	M150_B.20	 W183.Black	18 AWG Black		18 AWG	28 in		BRAKE LIGHT TRIGGER
BRL_F.t	GND_1	 W20.Black	18 AWG Black		18 AWG	21 in		
BRL_F.u	12V_AUX	 W18.Red	18 AWG Red		18 AWG	21 in		
BRL_F.v	CAN_HI_1	 W185.Green	22 AWG Green		22 AWG	21 in		
BRL_F.w	CAN_LO_1	 W157.Yellow	22 AWG Yellow		22 AWG	21 in		
BRL_F.x	M150_A.16	 W9.White	22 AWG White		22 AWG	28 in		N_IND
BRL_F.y	SWT_PNL_P.3	 W74.Violet	22 AWG Violet		22 AWG	79 in		STR_SWT 12V
BRL_F.z	SWT_PNL_P.5	 W75.Violet	22 AWG Violet		22 AWG	79 in		AUX_SWT 12V
BRL_F.N/C	M150_A.32	 CBL_KNOCK.Shield	3 Wire 22 AWG shielded			28 in		
CAN_HI_0	ACCEL.3	 W40.Green	22 AWG Green		22 AWG			
CAN_HI_0	CAN_HI_1	 W39.Green	22 AWG Green		22 AWG	5 in		
CAN_HI_0	M150_D.17	 W177.Green	22 AWG Green		22 AWG	≥ 2 in		
CAN_HI_1	CAN_HI_2	 W176.Green	22 AWG Green		22 AWG	46 in		
CAN_HI_2	R1.POS	 W178.Green	22 AWG Green		22 AWG	0 in		
CAN_LO_0	ACCEL.4	 W42.Yellow	22 AWG Yellow		22 AWG			
CAN_LO_0	CAN_LO_1	 W41.Yellow	22 AWG Yellow		22 AWG	5 in		
CAN_LO_0	M150_D.18	 W155.Yellow	22 AWG Yellow		22 AWG	≥ 2 in		
CAN_LO_1	CAN_LO_2	 W154.Yellow	22 AWG Yellow		22 AWG	46 in		
CAN_LO_2	R1.NEG	 W156.Yellow	22 AWG Yellow		22 AWG	0 in		
ETH.1	M150_D.23	 W48.Brown	22 AWG Brown		22 AWG	≥ 26 in		ETH_T+



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From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
ETH.2	M150_D.24	 W180.Brown	22 AWG Brown		22 AWG	≥ 26 in		ETH_T-
ETH.3	M150_D.26	 W181.Brown	22 AWG Brown		22 AWG	≥ 26 in		ETH_R-
ETH.4	M150_D.25	 W182.Brown	22 AWG Brown		22 AWG	≥ 26 in		ETH_R+
GND_1	GND_2	 W83.Black	22 AWG Black		22 AWG	24 in		
GND_1	M150_C.10	 W184.Black	18 AWG Black		18 AWG	7 in		
GND_2	ARDUINO.N/C	 W84.Black	22 AWG Black		22 AWG	37 in		
GND_2	INA_SWT.2	 W78.Black	22 AWG Black		22 AWG	18 in		
GND_2	SWT_PNL_P.4	 W76.Black	22 AWG Black		22 AWG	34 in		STR_SWT GROUND
GND_2	SWT_PNL_P.6	 W85.Black	22 AWG Black		22 AWG	34 in		AUX_SWT GROUND
KILL_B	SWT_PNL_S.4	 W170.Black	22 AWG Black		22 AWG	5 in		
KILL_W	SWT_PNL_S.3	 W167.Violet	22 AWG Violet		22 AWG	5 in		
OTS.2	INA_SWT.1	 W77.Black	22 AWG Black		22 AWG	42 in		MUST ADD ~12" FOR PEDAL MOVING BACK
SHK_POT_FL.3	M150_C.14	 W14.White	22 AWG White		22 AWG	81 in		
SHK_POT_FR.3	M150_C.15	 W25.White	22 AWG White		22 AWG	68 in		
STR_ANG.3	M150_A.5	 W22.White	22 AWG White		22 AWG	39 in		
STR_SWT_B	SWT_PNL_S.6	 W171.Black	22 AWG Black		22 AWG	5 in		
STR_SWT_Y	SWT_PNL_S.5	 W168.Violet	22 AWG Violet		22 AWG	5 in		
SWT_PNL_P.2	OTS.1	 W82.Black	22 AWG Black		22 AWG	58 in		KILL_SWT GROUND
WHL_FL.1	WHL_FL1.1	 W1.Orange	22 AWG Orange		22 AWG	18 in		
WHL_FL.2	WHL_FL1.2	 W5.Black-White	22 AWG Black - White		22 AWG	18 in		
WHL_FL.3	WHL_FL1.3	 W35.White	22 AWG White		22 AWG	18 in		
WHL_FR.1	WHL_FR1.1	 W2.Orange	22 AWG Orange		22 AWG	18 in		
WHL_FR.2	WHL_FR1.2	 W6.Black-White	22 AWG Black - White		22 AWG	18 in		
WHL_FR.3	WHL_FR1.3	 W33.White	22 AWG White		22 AWG	18 in		
WHL_SPD_FL.3	M150_D.8	 W34.White	22 AWG White		22 AWG	≥ 53 in		
WHL_SPD_FR.3	M150_D.9	 W21.White	22 AWG White		22 AWG	≥ 47 in		