

A	B	C	D	E	F	G
Sensor List	Pinout Type	Pinouts				
Thermocouple	2 PIN	1 GND	2 SIG/PWR			
Shock Position	3 PIN	1 SIGNAL	2 GND	3 PWR		
Throttle Position	3 PIN	1 SIGNAL	2 GND	3 PWR		
Load Cells	3 PIN	1 SIGNAL	2 GND	3 PWR		
Wheel Speed	3 PIN	1 SIGNAL	2 GND	3 PWR		
Steering Position	3 PIN	1 SIGNAL	2 GND	3 PWR		
Brake Pressure	3 PIN	1 SIGNAL	2 GND	3 PWR		
Aero Load Cells	4 PIN S2C SPI	1 SIGNAL	2 GND	3 PWR		
Tire Temp	4 PIN CAN	1 GND	2 CAN L	3 CAN H	4 PWR	

Title:	----
Part Number:	SR15 Front CAN Harness
Description:	

Flag	Quantity	Note
①	0	Shock Pot 12V, where should it come from? can maybe just splice it to both front shocks
②	0	Load cells & IMU both 24V, splice or no?
③	0	IMU maybe needs to rear harness, maybe telemetry should be moved?

Title:	----
Part Number:	SR15 Front CAN Harness
Description:	



































Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
5	Wire	Alpha Wire	1551 VI005	Hook-Up Wire, Tinned Copper, Insulation PVC, 22 AWG, 1551 Series Alpha Wire 1551VI005	0 in	W1, W2, W3, W4
7	Wire		22 AWG Red	Generic Wire	0 in	W6, W7, W8, W9, W10, W11, W12, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27
10	Wire		UL1015 22 AWG Green	UL 1015 rated 22 AWG Green PVC Hook-up wire	0 in	W14
11	Wire	Alpha Wire	6823 GR001	Hook-Up Wire, EcoWire Plus, 6823, Green, 22 AWG, 7x30, mPPE Ins, 300V Alpha Wire 6823 GR001	0 in	W15, W16, W65
13	Wire		UL1007 22 AWG Red	UL 1007 rated 22 AWG Red PVC Hook-up wire	0 in	W17
14	Wire		UL1015 22 AWG White	UL 1015 rated 22 AWG White PVC Hook-up wire	0 in	W28
15	Cable	Alpha Wire	6823 WH001	Hook-Up Wire, EcoWire Plus, 6823, White, 22 AWG, 7x30, mPPE Ins, 300V Alpha Wire 6823 WH001	0 in	CBL1
16	Wire	Alpha Wire	6823 WH001	Hook-Up Wire, EcoWire Plus, 6823, White, 22 AWG, 7x30, mPPE Ins, 300V Alpha Wire 6823 WH001	0 in	W29, W33, W39, W40, W41, W42, W43, W44, W47, W48, W50, W51, W52, W53, W54, W55, W56, W57, W58, W60, W61, W62, W63, W64
17	Wire	TE Connectivity / Raychem	CB4436-000	High Performance Cable 1Conductors 24AWG Tin Plated Copper Black 600Vac	0 in	W30, W31, W32, W59
18	Wire	Alpha Wire	6823 WH001	Hook-Up Wire, EcoWire Plus, 6823, White, 22 AWG, 7x30, mPPE Ins, 300V Alpha Wire 6823 WH001	0 in	W34, W35, W36, W37, W38
20	Wire		UL1061 22 AWG Yellow	UL 1061 rated 22 AWG Yellow SR-PVC Hook-up wire	0 in	W46
21	Wire		UL1015 22 AWG Gray	UL 1015 rated 22 AWG Gray PVC Hook-up wire	0 in	W5, W13, W45, W49, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78
22	Wire		UL1015 22 AWG Yellow	UL 1015 rated 22 AWG Yellow PVC Hook-up wire	0 in	W66
23	Wire		UL1007 22 AWG Yellow	UL 1007 rated 22 AWG Yellow PVC Hook-up wire	0 in	W67
24	Connector	TE Connectivity	T4112001081-000	Conn M12 Circular F 8 POS Screw RA Cable Mount 8 Terminal 1 Port	3	FL_Rotor_Tire_Temp, FR_Rotor_Tire_Temp, FW
25	Wire		24 AWG	Generic Wire	0 in	W79
26	Connector	TE Connectivity / DEUTSCH	DTM06-2S	DTM Series 2 Position Single Row Female Socket Free Hanging Plug Connector	1	Dash
27	Connector	Phoenix Contact	1454972	Circular Metric Connectors SAC-8PY-M/2XF VP	2	DashSplitter, RLSplitter
28	Wire		24 AWG White	Generic Wire	≥ 39 in	W80, W82, W84
29	Wire		UL1015 24 AWG White	UL 1015 rated 24 AWG White PVC Hook-up wire	14 in	W81
30	Wire				0 in	W83
31	Wire				≥ 75 in	W85, W91, W92, W93, W94, W95
32	Wire		UL1015 24 AWG Brown	UL 1015 rated 24 AWG Brown PVC Hook-up wire	≥ 75 in	W86, W87, W88, W89, W90
33	Cable		M22759		0 in	CBL2
34	Wire				≥ 53 in	W96, W97, W98, W99, W100
35	Wire				≥ 53 in	W101, W102, W103, W104, W114

Title:	----
Part Number:	SR15 Front CAN Harness
Description:	












































Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
36	Wire	Brand Rex	SPC00447A012 25M	Wire, Equipment, 24 Awg, 0.22 Mm , 600 V, Pink, 82 Ft, 25 M Rohs Compliant: Yes Brand Rex SPC00447A012 25M	≥ 53 in	W105, W106, W107, W108
37	Wire				≥ 53 in	W109, W110, W111, W112, W113
38	Wire				≥ 53 in	W115, W116, W117, W118, W119










































Title:	----
Part Number:	SR15 Front CAN Harness
Description:	

From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
DashSplitter.1	RLSplitter.1	 W81.White	UL1015 24 AWG White		24 AWG	14 in		Sensor GND
DashSplitter.2	Dash.1	 W88.Brown	UL1015 24 AWG Brown		24 AWG	22 in		CAN 0 H
DashSplitter.2	RLSplitter.2	 W87.Brown	UL1015 24 AWG Brown		24 AWG	14 in		CAN 0 H
DashSplitter.3	Dash.2	 W92.Green			24 AWG	22 in		CAN 0 L
DashSplitter.3	RLSplitter.3	 W93.Green			24 AWG	14 in		CAN 0 L
DashSplitter.4	RLSplitter.4	 W98.Yellow			24 AWG	14 in		CAN 1 H
DashSplitter.5	RLSplitter.5	 W103.Gray			24 AWG	14 in		CAN 1 L
DashSplitter.6	RLSplitter.6	 W106.Pink	SPC00447A012 25M		24 AWG	14 in		CAN 2 H
DashSplitter.7	RLSplitter.7	 W111.Blue			24 AWG	14 in		CAN 2 L
DashSplitter.8	RLSplitter.8	 W117.Red			24 AWG	14 in		Sensor 5V
FW.1	DashSplitter.1	 W80.White	24 AWG White		24 AWG	15 in		Sensor GND
FW.2	DashSplitter.2	 W86.Brown	UL1015 24 AWG Brown		24 AWG	15 in		CAN 0 H
FW.3	DashSplitter.3	 W91.Green			24 AWG	15 in		CAN 0 L
FW.4	DashSplitter.4	 W97.Yellow			24 AWG	15 in		CAN 1 H
FW.5	DashSplitter.5	 W102.Gray			24 AWG	15 in		CAN 1 L
FW.6	DashSplitter.6	 W105.Pink	SPC00447A012 25M		24 AWG	15 in		CAN 2 H
FW.7	DashSplitter.7	 W110.Blue			24 AWG	15 in		CAN 2 L
FW.8	DashSplitter.8	 W116.Red			24 AWG	15 in		Sensor 5V
RLSplitter.1	FL_Rotor_Tire_Temp.1	 W82.White	24 AWG White		24 AWG	≥ 8 in		Sensor GND
RLSplitter.1	FR_Rotor_Tire_Temp.1	 W84.White	24 AWG White		24 AWG	≥ 16 in		Sensor GND
RLSplitter.2	FL_Rotor_Tire_Temp.2	 W89.Brown	UL1015 24 AWG Brown		24 AWG	≥ 8 in		CAN 0 H
RLSplitter.2	FR_Rotor_Tire_Temp.2	 W90.Brown	UL1015 24 AWG Brown		24 AWG	≥ 16 in		CAN 0 H
RLSplitter.3	FL_Rotor_Tire_Temp.3	 W95.Green			24 AWG	≥ 8 in		CAN 0 L
RLSplitter.3	FR_Rotor_Tire_Temp.3	 W94.Green			24 AWG	≥ 16 in		CAN 0 L
RLSplitter.4	FL_Rotor_Tire_Temp.4	 W99.Yellow			24 AWG	≥ 8 in		CAN 1 H
RLSplitter.4	FR_Rotor_Tire_Temp.4	 W100.Yellow			24 AWG	≥ 16 in		CAN 1 H
RLSplitter.5	FL_Rotor_Tire_Temp.5	 W114.Gray			24 AWG	≥ 8 in		CAN 1 L
RLSplitter.5	FR_Rotor_Tire_Temp.5	 W104.Gray			24 AWG	≥ 16 in		CAN 1 L
RLSplitter.6	FL_Rotor_Tire_Temp.6	 W107.Pink	SPC00447A012 25M		24 AWG	≥ 8 in		CAN 2 H
RLSplitter.6	FR_Rotor_Tire_Temp.6	 W108.Pink	SPC00447A012 25M		24 AWG	≥ 16 in		CAN 2 H
RLSplitter.7	FL_Rotor_Tire_Temp.7	 W113.Blue			24 AWG	≥ 8 in		CAN 2 L
RLSplitter.7	FR_Rotor_Tire_Temp.7	 W112.Blue			24 AWG	≥ 16 in		CAN 2 L
RLSplitter.8	FL_Rotor_Tire_Temp.8	 W118.Red			24 AWG	≥ 8 in		Sensor 5V
RLSplitter.8	FR_Rotor_Tire_Temp.8	 W119.Red			24 AWG	≥ 16 in		Sensor 5V








































Title:	----
Part Number:	SR15 Front CAN Harness
Description:	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Cable	CBL1	Alpha Wire	6823 WH001	 White		0 in	
2	Cable	CBL2		M22759	 Blue		0 in	
3	Wire	W1	Alpha Wire	1551 VI005	 Violet	22 AWG	0 in	
4	Wire	W2	Alpha Wire	1551 VI005	 Violet	22 AWG	0 in	
5	Wire	W3	Alpha Wire	1551 VI005	 Violet	22 AWG	0 in	
6	Wire	W4	Alpha Wire	1551 VI005	 Violet	22 AWG	0 in	
7	Wire	W5		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
8	Wire	W6		22 AWG Red	 Red	22 AWG	0 in	
9	Wire	W7		22 AWG Red	 Red	22 AWG	0 in	
10	Wire	W8		22 AWG Red	 Red	22 AWG	0 in	
11	Wire	W9		22 AWG Red	 Red	22 AWG	0 in	
12	Wire	W10		22 AWG Red	 Red	22 AWG	0 in	
13	Wire	W11		22 AWG Red	 Red	22 AWG	0 in	
14	Wire	W12		22 AWG Red	 Red	22 AWG	0 in	
15	Wire	W13		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
16	Wire	W14		UL1015 22 AWG Green	 Green	22 AWG	0 in	
17	Wire	W15	Alpha Wire	6823 GR001	 Green	22 AWG	0 in	
18	Wire	W16	Alpha Wire	6823 GR001	 Green	22 AWG	0 in	
19	Wire	W17		UL1007 22 AWG Red	 Red	22 AWG	0 in	
20	Wire	W18		22 AWG Red	 Red	22 AWG	0 in	
21	Wire	W19		22 AWG Red	 Red	22 AWG	0 in	
22	Wire	W20		22 AWG Red	 Red	22 AWG	0 in	
23	Wire	W21		22 AWG Red	 Red	22 AWG	0 in	
24	Wire	W22		22 AWG Red	 Red	22 AWG	0 in	
25	Wire	W23		22 AWG Red	 Red	22 AWG	0 in	
26	Wire	W24		22 AWG Red	 Red	22 AWG	0 in	
27	Wire	W25		22 AWG Red	 Red	22 AWG	0 in	
28	Wire	W26		22 AWG Red	 Red	22 AWG	0 in	
29	Wire	W27		22 AWG Red	 Red	22 AWG	0 in	
30	Wire	W28		UL1015 22 AWG White	 White	22 AWG	0 in	
31	Wire	W29	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
32	Wire	W30	TE Connectivity / Raychem	CB4436-000	 Black	24 AWG	0 in	
33	Wire	W31	TE Connectivity / Raychem	CB4436-000	 Black	24 AWG	0 in	
34	Wire	W32	TE Connectivity / Raychem	CB4436-000	 Black	24 AWG	0 in	
35	Wire	W33	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
36	Wire	W34	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
37	Wire	W35	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
38	Wire	W36	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
39	Wire	W37	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
40	Wire	W38	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
41	Wire	W39	Alpha Wire	6823 WH001	 White	22 AWG	0 in	

Title:	----
Part Number:	SR15 Front CAN Harness
Description:	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
42	Wire	W40	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
43	Wire	W41	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
44	Wire	W42	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
45	Wire	W43	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
46	Wire	W44	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
47	Wire	W45		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
48	Wire	W46		UL1061 22 AWG Yellow	 Yellow	22 AWG	0 in	
49	Wire	W47	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
50	Wire	W48	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
51	Wire	W49		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
52	Wire	W50	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
53	Wire	W51	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
54	Wire	W52	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
55	Wire	W53	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
56	Wire	W54	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
57	Wire	W55	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
58	Wire	W56	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
59	Wire	W57	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
60	Wire	W58	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
61	Wire	W59	TE Connectivity / Raychem	CB4436-000	 Black	24 AWG	0 in	
62	Wire	W60	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
63	Wire	W61	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
64	Wire	W62	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
65	Wire	W63	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
66	Wire	W64	Alpha Wire	6823 WH001	 White	22 AWG	0 in	
67	Wire	W65	Alpha Wire	6823 GR001	 Green	22 AWG	0 in	
68	Wire	W66		UL1015 22 AWG Yellow	 Yellow	22 AWG	0 in	
69	Wire	W67		UL1007 22 AWG Yellow	 Yellow	22 AWG	0 in	
70	Wire	W68		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
71	Wire	W69		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
72	Wire	W70		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
73	Wire	W71		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
74	Wire	W72		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
75	Wire	W73		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
76	Wire	W74		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
77	Wire	W75		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
78	Wire	W76		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
79	Wire	W77		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
80	Wire	W78		UL1015 22 AWG Gray	 Gray	22 AWG	0 in	
81	Wire	W79		24 AWG	 Unspecified	24 AWG	0 in	
82	Wire	W80		24 AWG White	 White	24 AWG	15 in	

Title:	----
Part Number:	SR15 Front CAN Harness
Description:	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
83	Wire	W81		UL1015 24 AWG White	 White	24 AWG	14 in	
84	Wire	W82		24 AWG White	 White	24 AWG	≥ 8 in	
85	Wire	W83			 Unspecified		0 in	
86	Wire	W84		24 AWG White	 White	24 AWG	≥ 16 in	
87	Wire	W85			 Unspecified		0 in	
88	Wire	W86		UL1015 24 AWG Brown	 Brown	24 AWG	15 in	
89	Wire	W87		UL1015 24 AWG Brown	 Brown	24 AWG	14 in	
90	Wire	W88		UL1015 24 AWG Brown	 Brown	24 AWG	22 in	
91	Wire	W89		UL1015 24 AWG Brown	 Brown	24 AWG	≥ 8 in	
92	Wire	W90		UL1015 24 AWG Brown	 Brown	24 AWG	≥ 16 in	
93	Wire	W91			 Green	24 AWG	15 in	
94	Wire	W92			 Green	24 AWG	22 in	
95	Wire	W93			 Green	24 AWG	14 in	
96	Wire	W94			 Green	24 AWG	≥ 16 in	
97	Wire	W95			 Green	24 AWG	≥ 8 in	
98	Wire	W96			 Unspecified		0 in	
99	Wire	W97			 Yellow	24 AWG	15 in	
100	Wire	W98			 Yellow	24 AWG	14 in	
101	Wire	W99			 Yellow	24 AWG	≥ 8 in	
102	Wire	W100			 Yellow	24 AWG	≥ 16 in	
103	Wire	W101			 Unspecified		0 in	
104	Wire	W102			 Gray	24 AWG	15 in	
105	Wire	W103			 Gray	24 AWG	14 in	
106	Wire	W104			 Gray	24 AWG	≥ 16 in	
107	Wire	W105	Brand Rex	SPC00447A012 25M	 Pink	24 AWG	15 in	
108	Wire	W106	Brand Rex	SPC00447A012 25M	 Pink	24 AWG	14 in	
109	Wire	W107	Brand Rex	SPC00447A012 25M	 Pink	24 AWG	≥ 8 in	
110	Wire	W108	Brand Rex	SPC00447A012 25M	 Pink	24 AWG	≥ 16 in	
111	Wire	W109			 Unspecified		0 in	
112	Wire	W110			 Blue	24 AWG	15 in	
113	Wire	W111			 Blue	24 AWG	14 in	
114	Wire	W112			 Blue	24 AWG	≥ 16 in	
115	Wire	W113			 Blue	24 AWG	≥ 8 in	
116	Wire	W114			 Gray	24 AWG	≥ 8 in	
117	Wire	W115			 Unspecified		0 in	
118	Wire	W116			 Red	24 AWG	15 in	
119	Wire	W117			 Red	24 AWG	14 in	
120	Wire	W118			 Red	24 AWG	≥ 8 in	
121	Wire	W119			 Red	24 AWG	≥ 16 in	

Title:	----
Part Number:	SR15 Front CAN Harness
Description:	



#	Manufacturer	Part Number	Description	Label Text