

Revisions				
Rev.	Date	Author	Description	
1	9/15/2022	David Cook	Released	
2	11/27/2022	David Cook	Update for new control pinout and previous deviations.	
3	4/14/2023	David Cook	Harness Updates	
4	10/22/2023	David Cook	Update Keyswitch Power	

Notes

Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1	Wire Seal	Aptiv	15324973	12
2	Wire Seal	Aptiv	15324982	2
3	Connector	Amphenol Sine Systems	AT06-6S-GR01BLK	1
4	Connector	Aptiv	12015792	1
5	Connector	Aptiv	12052641	3
6	Connector	Aptiv	12065287	1
7	Connector	Aptiv	12110293	2
8	Connector	Chief Enterprises	C1256	1
9	Connector	IAE Electronics	MX80A04S21A	1
10	Connector	Littelfuse	In-Line Fuse (30A)	1
11	Connector	Molex	33471-0201	2
12	Connector	Molex	33471-0202	1
13	Connector	Molex	33472-2001	1
14	Connector	Molex	33472-2002	1
15	Connector	TE Connectivity	DT06-2S-C015	1
16	Contact	Amphenol Sine Systems	AT62-16-0622	6
17	Contact	Aptiv	12048074	12
18	Contact	Aptiv	12089188	2
19	Contact	Aptiv	12103881	2
20	Contact	IAE Electronics	MX80S08K3F1	4
21	Contact	Molex	33012-2001	21
22	Contact	Molex	33012-2002	24
23	Contact	TE Connectivity	1241418-4	2
24	Contact	TE Connectivity / AMP	1241412-1	1
25	Lock	Aptiv	12052634	4
26	Lock	Aptiv	12052845	2
27	Lock	Chief Enterprises	P839	1
28	Quick Connect Terminal	Molex	19036-0018	1
29	Quick Connect Terminal	Molex	19164-1151	1
30	Ring Terminal		Ring Terminal, 1/4", 10ga. Black	1
31	Ring Terminal		Ring Terminal, 1/4", 10ga. Red	1
32	Sealed Relay	Hongfa / Chief Enterprises	HFV15-12-HS5T-R(257)	1
33	Sleeving	Generic	Black Nylon Silt Conduit	214 in
34	Splice		Generic Splice	6
35	Wire		10 AWG Black	14 in
36	Wire		10 AWG Orange	25 in
37	Wire		10 AWG Red	28 in
38	Wire		14 AWG Black	36.5 in
39	Wire		14 AWG Dark Blue	24 in
40	Wire		14 AWG Gray	12.5 in
41	Wire		14 AWG Orange	20 in
42	Wire		16 AWG Black	52.5 in
43	Wire		16 AWG Brown	42.5 in
44	Wire		16 AWG Gray	17.5 in
45	Wire		16 AWG Orange	10 in
46	Wire		16 AWG Red	22 in
47	Wire		16 AWG White	17.5 in
48	Wire		18 AWG Black	286.5 in
49	Wire		18 AWG Brown	34 in
50	Wire		18 AWG Dark Blue	48.5 in
51	Wire		18 AWG Dark Green	24.5 in
52	Wire		18 AWG Gray	81.5 in
53	Wire		18 AWG Light Blue	49 in
54	Wire		18 AWG Light Green	26 in
55	Wire		18 AWG Orange	30 in
56	Wire		18 AWG Pink	130.5 in
57	Wire		18 AWG Tan	34 in
58	Wire		18 AWG Violet	16 in
59	Wire		18 AWG Yellow	68 in
60	Wire		18 AWG White	≥ 52.5 in
61	Wire Seal	TE Connectivity	1394511-1	2
62	Wire Seal	TE Connectivity	1719043-1	2
63	Wire Seal	TE Connectivity	1719043-1	2
64	Plug	TE Connectivity / AMP	967652-1	1
65	Plug	Molex	34345-0001	1
66	Wedge Lock	Amphenol Sine Systems	AW6S	1
67	Wedge Lock	TE Connectivity	W2S	1
68	Heat Shrink	Generic	Heat Shrink 1" Long	2
69	30 AMP Fuse	Littell Fuse	Generic	1
70	Plug	Aptiv	12034413	1
71	Contact	TE Connectivity / DEUTSCH	1062-16-0122	2

