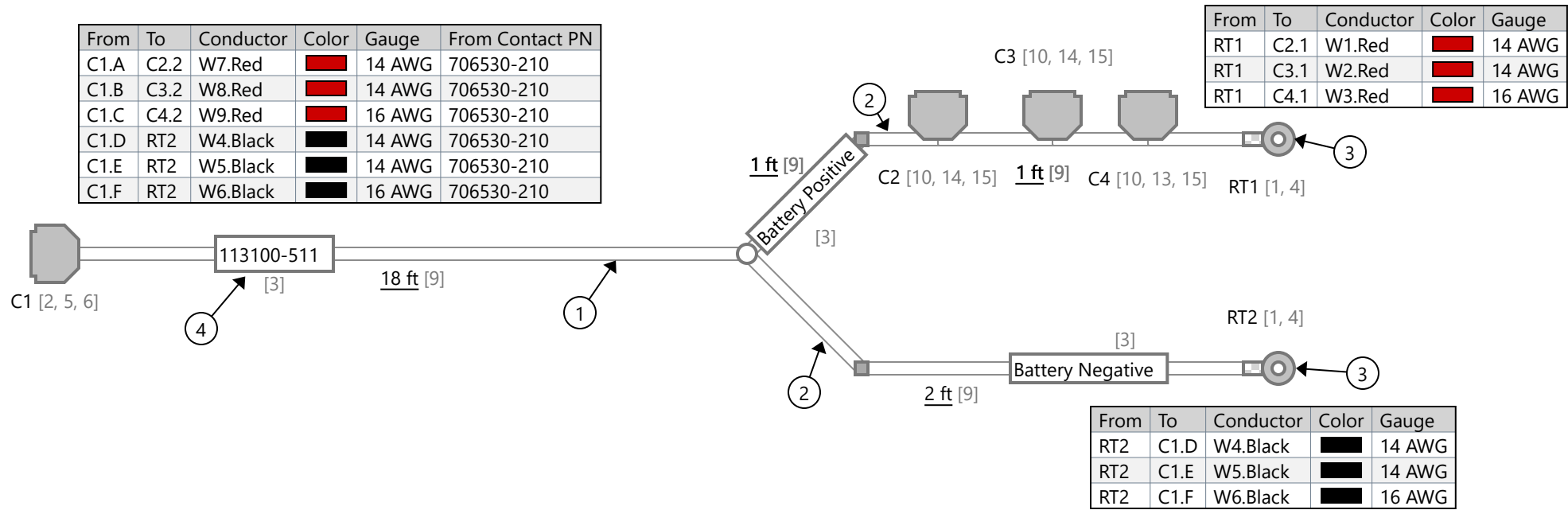


PROPRIETARY AND CONFIDENTIAL

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Revisions			
Rev.	Date	Author	Description
A	4/13/2019	Cooper Morris	Production release



Bill of Materials				
Id	Type	Part Number	Quantity	Description
1	Ring Terminal	715005-147	2	Terminal, Ring, 3/8", 10-12Ga
2	Contact	706530-210	6	Terminal, Female, 14-16 Ga.
3	Label	Generic White Label	3	Generic Label
4	Heat Shrink	708000-162	2	Tube, Shrink 1/4" x 1.25"
5	Connector	706510-506	1	PACKARD SHROUD 6-PIN
6	Wire Seal	706500-001	6	Seal, Cable, 16-18 Ga. Green
7	Wire	708000-173	20 ft	Wire, 16Ga. Red
8	Wire	708000-170	20 ft	Wire, 16Ga. Black
9	Sleeving	708000-015	22 ft	Braiding
10	Connector	705726-140	3	Fuse Holder w/Seals
11	Wire	708000-157	40 ft	Wire, 14Ga. Red
12	Wire	708000-150	40 ft	Wire, 14Ga. Black
13	Fuse	705725-136	1	Fuse, 7.5 Amp
14	Fuse	705725-141	2	Fuse, 20 Amp
15	Contact	705726-138	6	Terminal. Fuse 12-10 Ga.

Coverings	
Id	Assembly
[9]	

Notes	
1	Braid 6 wires together
2	Braid 3 wires together
3	Twist 3 wires together. Solder and crimp. Apply shrink tube.
4	Label as required

Name		Date	Title ORCHARD BATTERY HARNESS W SERVO 20FT DWG No: 113100-514 REV A
Drawn By		----	
Eng Approved		----	
Mfg Approved		----	
QA		----	

Title:	ORCHARD BATTERY HARNESS W SERVO 20FT
Part Number:	113100-514



Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Ring Terminal		715005-147	Terminal, Ring, 3/8", 10-12Ga	2	RT1, RT2
2	Contact		706530-210	Terminal, Female, 14-16 Ga.	6	See Wiring Table
3	Label		Generic White Label	Generic Label	3	See Drawing
4	Heat Shrink		708000-162	Tube, Shrink 1/4" x 1.25"	2	RT1, RT2
5	Connector		706510-506	PACKARD SHROUD 6-PIN	1	C1
6	Wire Seal		706500-001	Seal, Cable, 16-18 Ga. Green	6	See Wiring Table
7	Wire		708000-173	Wire, 16Ga. Red	20 ft	W3, W9
8	Wire		708000-170	Wire, 16Ga. Black	20 ft	W6
9	Sleeving		708000-015	Braiding	22 ft	See Drawing
10	Connector		705726-140	Fuse Holder w/Seals	3	C2, C3, C4
11	Wire		708000-157	Wire, 14Ga. Red	40 ft	W1, W2, W7, W8
12	Wire		708000-150	Wire, 14Ga. Black	40 ft	W4, W5
13	Fuse		705725-136	Fuse, 7.5 Amp	1	See Drawing
14	Fuse		705725-141	Fuse, 20 Amp	2	See Drawing
15	Contact		705726-138	Terminal. Fuse 12-10 Ga.	6	See Wiring Table

Title:	ORCHARD BATTERY HARNESS W SERVO 20FT
Part Number:	113100-514



From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	To Contact PN	From Wire Seal PN	To Wire Seal PN	Notes
C1.A	C2.2	 W7.Red	708000-157		14 AWG	19 ft	706530-210	705726-138	706500-001		
C1.B	C3.2	 W8.Red	708000-157		14 AWG	19 ft	706530-210	705726-138	706500-001		
C1.C	C4.2	 W9.Red	708000-173		16 AWG	19 ft	706530-210	705726-138	706500-001		
C1.D	RT2	 W4.Black	708000-150		14 AWG	20 ft	706530-210		706500-001		
C1.E	RT2	 W5.Black	708000-150		14 AWG	20 ft	706530-210		706500-001		
C1.F	RT2	 W6.Black	708000-170		16 AWG	20 ft	706530-210		706500-001		
C2.1	RT1	 W1.Red	708000-157		14 AWG	1 ft	705726-138				
C2.2	C1.A	 W7.Red	708000-157		14 AWG	19 ft	705726-138	706530-210		706500-001	
C3.1	RT1	 W2.Red	708000-157		14 AWG	1 ft	705726-138				
C3.2	C1.B	 W8.Red	708000-157		14 AWG	19 ft	705726-138	706530-210		706500-001	
C4.1	RT1	 W3.Red	708000-173		16 AWG	1 ft	705726-138				
C4.2	C1.C	 W9.Red	708000-173		16 AWG	19 ft	705726-138	706530-210		706500-001	
RT1	C2.1	 W1.Red	708000-157		14 AWG	1 ft		705726-138			
RT1	C3.1	 W2.Red	708000-157		14 AWG	1 ft		705726-138			
RT1	C4.1	 W3.Red	708000-173		16 AWG	1 ft		705726-138			
RT2	C1.D	 W4.Black	708000-150		14 AWG	20 ft		706530-210		706500-001	
RT2	C1.E	 W5.Black	708000-150		14 AWG	20 ft		706530-210		706500-001	
RT2	C1.F	 W6.Black	708000-170		16 AWG	20 ft		706530-210		706500-001	

Title:	ORCHARD BATTERY HARNESS W SERVO 20FT
Part Number:	113100-514



#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Wire	W1		708000-157	 Red	14 AWG	1 ft	
2	Wire	W2		708000-157	 Red	14 AWG	1 ft	
3	Wire	W3		708000-173	 Red	16 AWG	1 ft	
4	Wire	W4		708000-150	 Black	14 AWG	20 ft	
5	Wire	W5		708000-150	 Black	14 AWG	20 ft	
6	Wire	W6		708000-170	 Black	16 AWG	20 ft	
7	Wire	W7		708000-157	 Red	14 AWG	19 ft	
8	Wire	W8		708000-157	 Red	14 AWG	19 ft	
9	Wire	W9		708000-173	 Red	16 AWG	19 ft	

Title:	ORCHARD BATTERY HARNESS W SERVO 20FT
Part Number:	113100-514



#	Manufacturer	Part Number	Description	Label Text
1		Generic White Label	Generic Label	113100-511
2		Generic White Label	Generic Label	Battery Positive
3		Generic White Label	Generic Label	Battery Negative