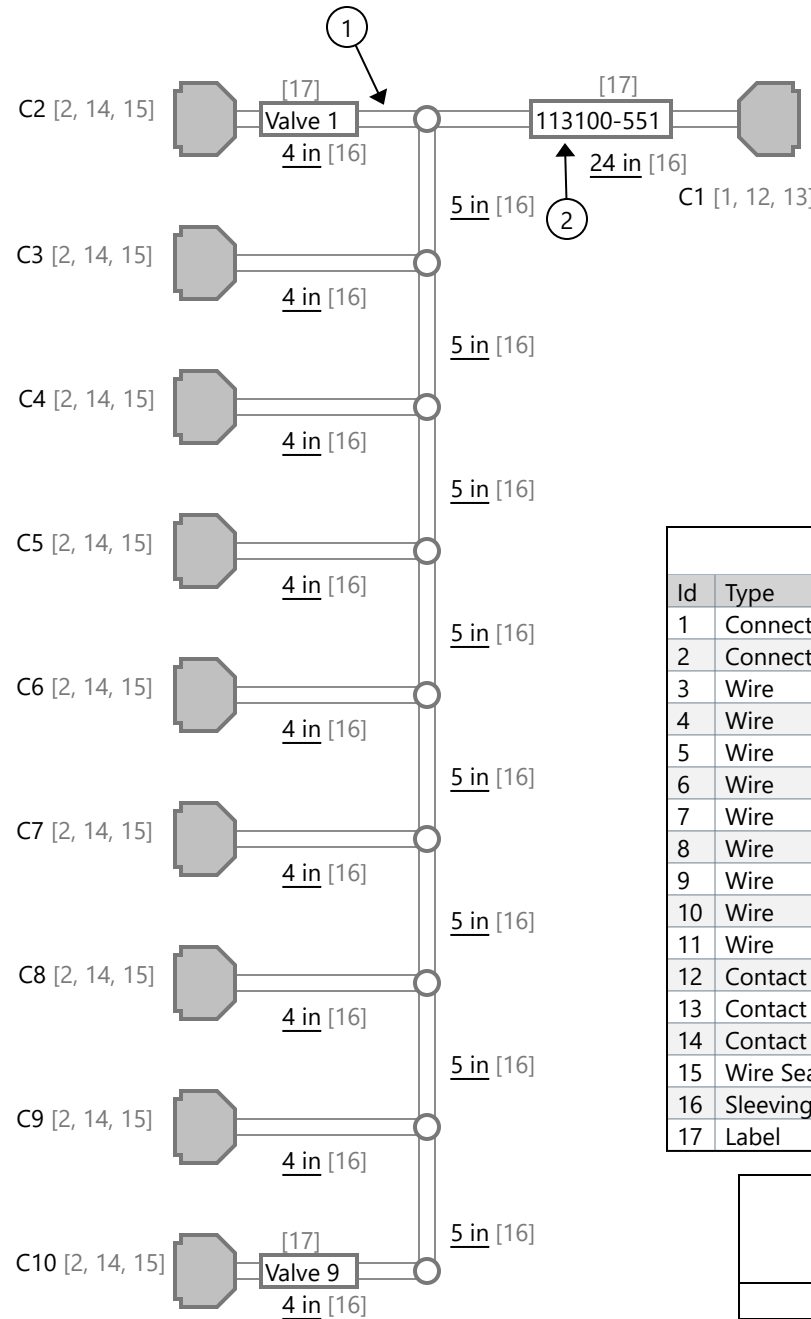


**PROPRIETARY AND CONFIDENTIAL**

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From	To	Conductor	Color	Gauge	From Contact PN
C1.1	C2.A	W1.Red-White		18 AWG	706530-287
C1.2	C2.B	W2.Red-White		18 AWG	706530-287
C1.3	C3.A	W3.Black-White		18 AWG	706530-287
C1.4	C3.B	W4.Black-White		18 AWG	706530-287
C1.5	C4.A	W5.Blue-White		18 AWG	706530-287
C1.6	C4.B	W6.Blue-White		18 AWG	706530-287
C1.7	C5.A	W7.Yellow-White		18 AWG	706530-287
C1.8	C5.B	W8.Yellow-White		18 AWG	706530-287
C1.9	C6.A	W9.Green-White		18 AWG	706530-287
C1.10	C6.B	W10.Green-White		18 AWG	706530-287
C1.11	C7.A	W11.Brown-White		18 AWG	706530-287
C1.12	C7.B	W12.Brown-White		18 AWG	706530-287
C1.13	C8.A	W13.Red-Orange		18 AWG	706530-287
C1.14	C8.B	W14.Red-Orange		18 AWG	706530-287
C1.15	C9.A	W15.Black-Orange		18 AWG	706530-287
C1.16	C9.B	W16.Black-Orange		18 AWG	706530-287
C1.17	C10.A	W17.Blue-Orange		18 AWG	706530-287
C1.18	C10.B	W18.Blue-Orange		18 AWG	706530-287
C1.19					706530-133
C1.20					706530-133
C1.21					706530-133
C1.22					706530-133
C1.23					706530-133
C1.24					706530-133
C1.25					706530-133
C1.26					706530-133
C1.27					706530-133
C1.28					706530-133
C1.29					706530-133
C1.30					706530-133
C1.31					706530-133
C1.32					706530-133
C1.33					706530-133
C1.34					706530-133
C1.35					706530-133



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

Coverings	
Id	Assembly
[16]	

Bill of Materials				
Id	Type	Part Number	Quantity	Description
1	Connector	706530-286	1	Connector, Plug, 35-Pin, Ampseal, Black
2	Connector	706510-502	9	Shroud, 2 Pin WP
3	Wire	708000-176/9	56 in	Wire, 18Ga, Red/White
4	Wire	708000-177/9	66 in	Wire, 18Ga, Black/White
5	Wire	708000-178/9	76 in	Wire, 18Ga, Blue/White
6	Wire	708000-182/9	86 in	Wire, 18Ga, Yellow/White
7	Wire	708000-174/9	96 in	Wire, 18Ga, Green/White
8	Wire	708000-179/9	106 in	Wire, 18Ga, Brown/White
9	Wire	708000-176/3	116 in	Wire, 18Ga, Red/Orange
10	Wire	708000-177/3	126 in	Wire, 18Ga, Black/Orange
11	Wire	708000-178/3	136 in	Wire, 18Ga, Blue/Orange
12	Contact	706530-287	18	Contact, Socket, 16-18 Ga. TE Amp Seal
13	Contact	706530-133	17	Plug, Cavity, Ampseal
14	Contact	706530-205	18	Terminal, Male, 18-20 Ga
15	Wire Seal	706500-001	18	Seal, Cable, 16-18 Ga. Green
16	Sleeving	708000-015	100 in	Braiding
17	Label	Generic White Label	3	Generic Label

Notes	
①	Braid down each drop 3"
②	Label as required

# CapstanAG™

	Name	Date	Title
Drawn By	----	----	<b>ORCHARD 9 VALVE HARNESS</b> DWG No: <b>113100-551</b> REV <b>A</b>
Eng Approved	----	----	
Mfg Approved	----	----	
QA	----	----	

<b>Title:</b>	ORCHARD 9 VALVE HARNESS
<b>Part Number:</b>	113100-551



Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector		706530-286	Connector, Plug, 35-Pin, Ampseal, Black	1	C1
2	Connector		706510-502	Shroud, 2 Pin WP	9	C2, C3, C4, C5, C6, C7, C8, C9, C10
3	Wire		708000-176/9	Wire, 18Ga, Red/White	56 in	W1, W2
4	Wire		708000-177/9	Wire, 18Ga, Black/White	66 in	W3, W4
5	Wire		708000-178/9	Wire, 18Ga, Blue/White	76 in	W5, W6
6	Wire		708000-182/9	Wire, 18Ga, Yellow/White	86 in	W7, W8
7	Wire		708000-174/9	Wire, 18Ga, Green/White	96 in	W9, W10
8	Wire		708000-179/9	Wire, 18Ga, Brown/White	106 in	W11, W12
9	Wire		708000-176/3	Wire, 18Ga, Red/Orange	116 in	W13, W14
10	Wire		708000-177/3	Wire, 18Ga, Black/Orange	126 in	W15, W16
11	Wire		708000-178/3	Wire, 18Ga, Blue/Orange	136 in	W17, W18
12	Contact		706530-287	Contact, Socket, 16-18 Ga. TE Amp Seal	18	See Wiring Table
13	Contact		706530-133	Plug, Cavity, Ampseal	17	See Wiring Table
14	Contact		706530-205	Terminal, Male, 18-20 Ga	18	See Wiring Table
15	Wire Seal		706500-001	Seal, Cable, 16-18 Ga. Green	18	See Wiring Table
16	Sleeving		708000-015	Braiding	100 in	See Drawing
17	Label		Generic White Label	Generic Label	3	See Drawing



















<b>Title:</b>	ORCHARD 9 VALVE HARNESS
<b>Part Number:</b>	113100-551



From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	To Contact PN	From Wire Seal PN	To Wire Seal PN	Notes
C1.1	C2.A	W1.Red-White	708000-176/9		18 AWG	28 in	706530-287	706530-205		706500-001	
C1.2	C2.B	W2.Red-White	708000-176/9		18 AWG	28 in	706530-287	706530-205		706500-001	
C1.3	C3.A	W3.Black-White	708000-177/9		18 AWG	33 in	706530-287	706530-205		706500-001	
C1.4	C3.B	W4.Black-White	708000-177/9		18 AWG	33 in	706530-287	706530-205		706500-001	
C1.5	C4.A	W5.Blue-White	708000-178/9		18 AWG	38 in	706530-287	706530-205		706500-001	
C1.6	C4.B	W6.Blue-White	708000-178/9		18 AWG	38 in	706530-287	706530-205		706500-001	
C1.7	C5.A	W7.Yellow-White	708000-182/9		18 AWG	43 in	706530-287	706530-205		706500-001	
C1.8	C5.B	W8.Yellow-White	708000-182/9		18 AWG	43 in	706530-287	706530-205		706500-001	
C1.9	C6.A	W9.Green-White	708000-174/9		18 AWG	48 in	706530-287	706530-205		706500-001	
C1.10	C6.B	W10.Green-White	708000-174/9		18 AWG	48 in	706530-287	706530-205		706500-001	
C1.11	C7.A	W11.Brown-White	708000-179/9		18 AWG	53 in	706530-287	706530-205		706500-001	
C1.12	C7.B	W12.Brown-White	708000-179/9		18 AWG	53 in	706530-287	706530-205		706500-001	
C1.13	C8.A	W13.Red-Orange	708000-176/3		18 AWG	58 in	706530-287	706530-205		706500-001	
C1.14	C8.B	W14.Red-Orange	708000-176/3		18 AWG	58 in	706530-287	706530-205		706500-001	
C1.15	C9.A	W15.Black-Orange	708000-177/3		18 AWG	63 in	706530-287	706530-205		706500-001	
C1.16	C9.B	W16.Black-Orange	708000-177/3		18 AWG	63 in	706530-287	706530-205		706500-001	
C1.17	C10.A	W17.Blue-Orange	708000-178/3		18 AWG	68 in	706530-287	706530-205		706500-001	
C1.18	C10.B	W18.Blue-Orange	708000-178/3		18 AWG	68 in	706530-287	706530-205		706500-001	
C2.A	C1.1	W1.Red-White	708000-176/9		18 AWG	28 in	706530-205	706530-287	706500-001		
C2.B	C1.2	W2.Red-White	708000-176/9		18 AWG	28 in	706530-205	706530-287	706500-001		
C3.A	C1.3	W3.Black-White	708000-177/9		18 AWG	33 in	706530-205	706530-287	706500-001		
C3.B	C1.4	W4.Black-White	708000-177/9		18 AWG	33 in	706530-205	706530-287	706500-001		
C4.A	C1.5	W5.Blue-White	708000-178/9		18 AWG	38 in	706530-205	706530-287	706500-001		
C4.B	C1.6	W6.Blue-White	708000-178/9		18 AWG	38 in	706530-205	706530-287	706500-001		
C5.A	C1.7	W7.Yellow-White	708000-182/9		18 AWG	43 in	706530-205	706530-287	706500-001		
C5.B	C1.8	W8.Yellow-White	708000-182/9		18 AWG	43 in	706530-205	706530-287	706500-001		
C6.A	C1.9	W9.Green-White	708000-174/9		18 AWG	48 in	706530-205	706530-287	706500-001		
C6.B	C1.10	W10.Green-White	708000-174/9		18 AWG	48 in	706530-205	706530-287	706500-001		
C7.A	C1.11	W11.Brown-White	708000-179/9		18 AWG	53 in	706530-205	706530-287	706500-001		
C7.B	C1.12	W12.Brown-White	708000-179/9		18 AWG	53 in	706530-205	706530-287	706500-001		
C8.A	C1.13	W13.Red-Orange	708000-176/3		18 AWG	58 in	706530-205	706530-287	706500-001		
C8.B	C1.14	W14.Red-Orange	708000-176/3		18 AWG	58 in	706530-205	706530-287	706500-001		
C9.A	C1.15	W15.Black-Orange	708000-177/3		18 AWG	63 in	706530-205	706530-287	706500-001		
C9.B	C1.16	W16.Black-Orange	708000-177/3		18 AWG	63 in	706530-205	706530-287	706500-001		
C10.A	C1.17	W17.Blue-Orange	708000-178/3		18 AWG	68 in	706530-205	706530-287	706500-001		
C10.B	C1.18	W18.Blue-Orange	708000-178/3		18 AWG	68 in	706530-205	706530-287	706500-001		

<b>Title:</b>	ORCHARD 9 VALVE HARNESS
<b>Part Number:</b>	113100-551



#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Wire	W1		708000-176/9	 Red-White	18 AWG	28 in	
2	Wire	W2		708000-176/9	 Red-White	18 AWG	28 in	
3	Wire	W3		708000-177/9	 Black-White	18 AWG	33 in	
4	Wire	W4		708000-177/9	 Black-White	18 AWG	33 in	
5	Wire	W5		708000-178/9	 Blue-White	18 AWG	38 in	
6	Wire	W6		708000-178/9	 Blue-White	18 AWG	38 in	
7	Wire	W7		708000-182/9	 Yellow-White	18 AWG	43 in	
8	Wire	W8		708000-182/9	 Yellow-White	18 AWG	43 in	
9	Wire	W9		708000-174/9	 Green-White	18 AWG	48 in	
10	Wire	W10		708000-174/9	 Green-White	18 AWG	48 in	
11	Wire	W11		708000-179/9	 Brown-White	18 AWG	53 in	
12	Wire	W12		708000-179/9	 Brown-White	18 AWG	53 in	
13	Wire	W13		708000-176/3	 Red-Orange	18 AWG	58 in	
14	Wire	W14		708000-176/3	 Red-Orange	18 AWG	58 in	
15	Wire	W15		708000-177/3	 Black-Orange	18 AWG	63 in	
16	Wire	W16		708000-177/3	 Black-Orange	18 AWG	63 in	
17	Wire	W17		708000-178/3	 Blue-Orange	18 AWG	68 in	
18	Wire	W18		708000-178/3	 Blue-Orange	18 AWG	68 in	

<b>Title:</b>	ORCHARD 9 VALVE HARNESS
<b>Part Number:</b>	113100-551



#	Manufacturer	Part Number	Description	Label Text
1		Generic White Label	Generic Label	Valve 1
2		Generic White Label	Generic Label	113100-551
3		Generic White Label	Generic Label	Valve 9