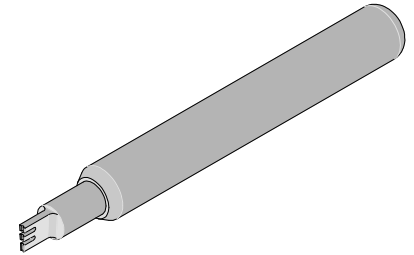




**Manual Insulation  
Displacement Insertion Tool  
Instruction Sheet  
Order No. 63813-3503**



**FEATURES**

- This displacement tool is used for insertion of all discrete wires into all feed-through or feed-to KK® 3.96mm (.156") IDT housings
- This tool is designed to assure proper seating of wires and reduce operator fatigue
- Low cost prototyping tool

**SCOPE**

Products: All 3.96mm (.156") Pitch KK® Insulation Displacement (IDT) Connectors and Serial ATA IDT type power connectors.

Color Identification		Type of Wire Terminated
Color Code	Slot Size	(All wires have a maximum insulation diameter of 2.41mm (.095"))
Yellow	A	18 AWG solid or fused stranded wire
Red	M	20 AWG solid or fused stranded and 18 AWG stranded wire
Blue	L	20 AWG stranded wire
Green	D	26 and 27 AWG stranded, fused stranded and solid wire or 24 AWG stranded wire
Black	J	24 and 22 AWG solid or fused stranded wire and 22 AWG stranded wire

▪ 67926 Series connectors do not include a color code strip.

The following is a partial list of the product part numbers and their specifications that this tool is designed to run. We will be adding to this list and an up to date copy is available on [www.molex.com](http://www.molex.com).

Color Code Yellow								
Connector Series No.	Connector Order No.							
7674	09-06-0020	09-06-0029	09-06-0030	09-06-0032	09-06-0039	09-06-0040	09-06-0049	09-06-0050
	09-06-0059	09-06-0060	09-06-0069	09-06-0070	09-06-0079	09-06-0080	09-06-0089	09-06-0090
	09-06-0099	09-06-0100	09-06-0109	09-06-0110	09-06-0119	09-06-0120	09-06-0129	09-06-0130
	09-06-0139	09-06-0140	09-06-0149	09-06-0150	09-06-0159	09-06-0160	09-06-0169	09-07-0020
	09-07-0029	09-07-0030	09-07-0039	09-07-0040	09-07-0049	09-07-0050	09-07-0059	09-07-0060
	09-07-0069	09-07-0070	09-07-0079	09-07-0080	09-07-0089	09-07-0090	09-07-0099	09-07-0100
	09-07-0109	09-07-0110	09-07-0119	09-07-0120	09-07-0129	09-07-0130	09-07-0139	09-07-0140
	09-07-0149	09-07-0150	09-07-0159	09-07-0160	09-07-0169			
	26-32-4024	26-32-4034	26-32-4044	26-32-4054	26-32-4064	26-32-4074	26-32-4084	26-32-4094
	26-32-4104	26-32-4114	26-32-4124	26-32-4134	26-32-4144	26-32-4154	26-32-4164	
7675	09-05-0117	09-06-0027	09-06-0028	09-06-0037	09-06-0038	09-06-0047	09-06-0048	09-06-0057
	09-06-0058	09-06-0067	09-06-0068	09-06-0077	09-06-0078	09-06-0087	09-06-0088	09-06-0097
	09-06-0098	09-06-0107	09-06-0108	09-06-0117	09-06-0118	09-06-0127	09-06-0128	09-06-0137
	09-06-0138	09-06-0147	09-06-0148	09-06-0157	09-06-0158	09-06-0167	09-06-0168	09-06-0177
	09-06-0178	09-06-0187	09-06-0188	09-06-0197	09-06-0198	09-06-0207	09-06-0208	09-06-0217
	09-06-0218	09-06-0227	09-06-0228	09-06-0237	09-06-0238	09-06-0247	09-06-0248	09-07-0027
	09-07-0028	09-07-0037	09-07-0038	09-07-0047	09-07-0048	09-07-0057	09-07-0058	09-07-0067
	09-07-0068	09-07-0077	09-07-0078	09-07-0087	09-07-0088	09-07-0097	09-07-0098	09-07-0107
	09-07-0108	09-07-0117	09-07-0118	09-07-0127	09-07-0128	09-07-0137	09-07-0138	09-07-0147
	09-07-0148	09-07-0157	09-07-0158	09-07-0167	09-07-0168	09-07-0177	09-07-0178	09-07-0187

Color Code Yellow								
Connector Series No.	Connector Order No.							
7675	09-07-0188	09-07-0197	09-07-0198	09-07-0207	09-07-0208	09-07-0217	09-07-0218	09-07-0227
	09-07-0228	09-07-0237	09-07-0238	09-07-0247	09-07-0248	09-07-5112		
	26-32-0103	26-32-0163	26-32-9020	26-32-9024	26-32-9030	26-32-9034	26-32-9040	26-32-9044
	26-32-9050	26-32-9060	26-32-9064	26-32-9070	26-32-9080	26-32-9084	26-32-9090	26-32-9100
	26-32-9110	26-32-9120	26-32-9130	26-32-9140	26-32-9160	26-32-9170	26-32-9180	26-32-9190
	26-32-9200	26-32-9210	26-32-9220	26-32-9230	26-32-9240			
67926	67926-0001	67926-0002	67926-0005	67926-0011	67926-0012	67926-0015	67926-0021	67926-0022
	67926-0025							

Color Code Red									
Connector Series No.	Connector Order No.								
7674	09-06-1020	09-06-1029	09-06-1030	09-06-1039	09-06-1040	09-06-1049	09-06-1050	09-06-1059	
	09-06-1060	09-06-1069	09-06-1070	09-06-1079	09-06-1080	09-06-1089	09-06-1090	09-06-1099	
	09-06-1100	09-06-1109	09-06-1110	09-06-1119	09-06-1120	09-06-1129	09-06-1130	09-06-1139	
	09-06-1140	09-06-1149	09-06-1150	09-06-1159	09-06-1160	09-06-1169	09-07-1020	09-07-1029	
	09-07-1030	09-07-1039	09-07-1040	09-07-1049	09-07-1050	09-07-1059	09-07-1060	09-07-1069	
	09-07-1070	09-07-1079	09-07-1080	09-07-1089	09-07-1090	09-07-1099	09-07-1100	09-07-1109	
	09-07-1110	09-07-1119	09-07-1120	09-07-1129	09-07-1130	09-07-1139	09-07-1140	09-07-1149	
	09-07-1150	09-07-1159	09-07-1160	09-07-1169					
	26-32-4111	26-32-6034	26-32-6044	26-32-6064	26-32-6074	26-32-6104			
	50-29-1591	50-29-1592	50-29-1972	50-29-1973	50-29-1974	50-29-1975	50-29-1976	50-29-1977	
	50-29-1978	50-29-1979	50-29-1980	50-29-1981	50-29-1982	50-29-1983	50-29-1984	50-29-1985	
	50-29-1986	50-29-1987	50-29-1988	50-29-1989	50-29-1990	50-29-1991	50-29-1992	50-29-1993	
	50-29-1994	50-29-1995	50-29-1996	50-29-1997	50-29-1998	50-29-1999	50-29-2000	50-29-2001	
	7675	09-06-1027	09-06-1028	09-06-1037	09-06-1038	09-06-1047	09-06-1048	09-06-1057	09-06-1058
		09-06-1067	09-06-1068	09-06-1077	09-06-1078	09-06-1088	09-06-1087	09-06-1097	09-06-1098
		09-06-1107	09-06-1108	09-06-1117	09-06-1118	09-06-1127	09-06-1128	09-06-1137	09-06-1138
		09-06-1147	09-06-1148	09-06-1157	09-06-1158	09-06-1167	09-06-1168	09-06-1177	09-06-1178
09-06-1187		09-06-1188	09-06-1197	09-06-1198	09-06-1207	09-06-1208	09-06-1217	09-06-1218	
09-06-1227		09-06-1228	09-06-1237	09-06-1238	09-06-1247	09-06-1248	09-07-1027	09-07-1028	
09-07-1037		09-07-1038	09-07-1047	09-07-1048	09-07-1057	09-07-1058	09-07-1067	09-07-1068	
09-07-1077		09-07-1078	09-07-1087	09-07-1088	09-07-1097	09-07-1098	09-07-1107	09-07-1108	
09-07-1117		09-07-1118	09-07-1127	09-07-1128	09-07-1137	09-07-1138	09-07-1147	09-07-1148	
09-07-1157		09-07-1158	09-07-1167	09-07-1168	09-07-1177	09-07-1178	09-07-1187	09-07-1188	
09-07-1197		09-07-1198	09-07-1207	09-07-1208	09-07-1217	09-07-1218	09-07-1227	09-07-1228	
09-07-1237		09-07-1238	09-07-1247	09-07-1248	09-07-5094	09-07-5104	09-07-7091	09-09-3169	
09-09-4039		09-09-4062	09-09-4074	09-09-4075	09-09-4076	09-09-4077	09-09-4081	09-09-4083	
09-09-4101		09-09-4115							
26-32-1074		26-32-1084	26-32-1102	26-32-1104	26-32-1124	26-32-1141	26-32-1143	26-32-1153	
26-32-1162		26-32-1181	26-32-1182	26-32-1201	26-32-1203	26-32-7024	26-32-7032	26-32-7034	
26-32-7044		26-32-7054	26-32-7062	26-32-7063	26-32-7074	26-32-7082	26-32-7094	26-32-7104	
26-32-7114		26-32-7124	26-32-7134	26-32-7144	26-32-7154	26-32-7164	26-32-7174	26-32-7184	
26-32-7194		26-32-7204	26-32-7214	26-32-7224	26-32-7234	26-38-1048	26-38-2168		
67926	67926-0301	67926-0302	67926-0305	67926-0311	67926-0312	67926-0315	67926-0321	67926-0322	
	67926-0325								

Color Code Blue								
Connector Series No.	Connector Order No.							
7674	09-06-2020	09-06-2080	09-06-2140	09-07-2050	09-07-2110	26-32-2022	26-32-2082	26-32-2142
	09-06-2029	09-06-2089	09-06-2149	09-07-2059	09-07-2119	26-32-2024	26-32-2084	26-32-2144
	09-06-2030	09-06-2090	09-06-2150	09-07-2060	09-07-2120	26-32-2032	26-32-2092	26-32-2152
	09-06-2039	09-06-2099	09-06-2159	09-07-2069	09-07-2129	26-32-2034	26-32-2094	26-32-2154

Color Code Blue								
Connector Series No.	Connector Order No.							
7674	09-06-2040	09-06-2100	09-06-2160	09-07-2070	09-07-2130	26-32-2042	26-32-2102	26-32-2162
	09-06-2049	09-06-2109	09-06-2169	09-07-2079	09-07-2139	26-32-2044	26-32-2104	26-32-2164
	09-06-2050	09-06-2110	09-07-2020	09-07-2080	09-07-2140	26-32-2052	26-32-2112	
	09-06-2059	09-06-2119	09-07-2029	09-07-2089	09-07-2149	26-32-2054	26-32-2114	
	09-06-2060	09-06-2120	09-07-2030	09-07-2090	09-07-2150	26-32-2062	26-32-2122	
	09-06-2069	09-06-2129	09-07-2039	09-07-2099	09-07-2159	26-32-2064	26-32-2124	
	09-06-2070	09-06-2130	09-07-2040	09-07-2100	09-07-2160	26-32-2072	26-32-2132	
	09-06-2079	09-06-2139	09-07-2049	09-07-2109	09-07-2169	26-32-2074	26-32-2134	
7675	09-06-2027	09-06-2088	09-06-2157	09-06-2218	09-07-2047	09-07-2108	09-07-2177	09-07-2238
	09-06-2028	09-06-2097	09-06-2158	09-06-2227	09-07-2048	09-07-2117	09-07-2178	09-07-2247
	09-06-2037	09-06-2098	09-06-2167	09-06-2228	09-07-2057	09-07-2118	09-07-2187	09-07-2248
	09-06-2038	09-06-2107	09-06-2168	09-06-2237	09-07-2058	09-07-2127	09-07-2188	26-31-2028
	09-06-2047	09-06-2108	09-06-2177	09-06-2238	09-07-2067	09-07-2128	09-07-2197	26-31-2148
	09-06-2048	09-06-2117	09-06-2178	09-06-2247	09-07-2068	09-07-2137	09-07-2198	26-31-2207
	09-06-2057	09-06-2118	09-06-2187	09-06-2248	09-07-2077	09-07-2138	09-07-2207	
	09-06-2058	09-06-2127	09-06-2188	09-06-7055	09-07-2078	09-07-2147	09-07-2208	
	09-06-2067	09-06-2128	09-06-2197	09-06-7145	09-07-2087	09-07-2148	09-07-2217	
	09-06-2068	09-06-2137	09-06-2198	09-07-2027	09-07-2088	09-07-2157	09-07-2218	
	09-06-2077	09-06-2138	09-06-2207	09-07-2028	09-07-2097	09-07-2158	09-07-2227	
	09-06-2078	09-06-2147	09-06-2208	09-07-2037	09-07-2098	09-07-2167	09-07-2228	
	09-06-2087	09-06-2148	09-06-2217	09-07-2038	09-07-2107	09-07-2168	09-07-2237	

Color Code Green								
Connector Series No.	Connector Order No.							
7674	09-06-3020	09-06-3060	09-06-3100	09-06-3140	09-07-3030	09-07-3070	09-07-3110	09-07-3150
	09-06-3029	09-06-3069	09-06-3109	09-06-3149	09-07-3039	09-07-3079	09-07-3119	09-07-3159
	09-06-3030	09-06-3070	09-06-3110	09-06-3150	09-07-3040	09-07-3080	09-07-3120	09-07-3160
	09-06-3039	09-06-3079	09-06-3119	09-06-3159	09-07-3049	09-07-3089	09-07-3129	09-07-3169
	09-06-3040	09-06-3080	09-06-3120	09-06-3160	09-07-3050	09-07-3090	09-07-3130	
	09-06-3049	09-06-3089	09-06-3129	09-06-3169	09-07-3059	09-07-3099	09-07-3139	
	09-06-3050	09-06-3090	09-06-3130	09-07-3020	09-07-3060	09-07-3100	09-07-3140	
	09-06-3059	09-06-3099	09-06-3139	09-07-3029	09-07-3069	09-07-3109	09-07-3149	
7675	09-06-3027	09-06-3087	09-06-3147	09-06-3207	09-07-3037	09-07-3097	09-07-3157	09-07-3217
	09-06-3028	09-06-3088	09-06-3148	09-06-3208	09-07-3038	09-07-3098	09-07-3158	09-07-3218
	09-06-3037	09-06-3097	09-06-3157	09-06-3217	09-07-3047	09-07-3107	09-07-3167	09-07-3227
	09-06-3038	09-06-3098	09-06-3158	09-06-3218	09-07-3048	09-07-3108	09-07-3168	09-07-3228
	09-06-3047	09-06-3107	09-06-3167	09-06-3227	09-07-3057	09-07-3117	09-07-3177	09-07-3237
	09-06-3048	09-06-3108	09-06-3168	09-06-3228	09-07-3058	09-07-3118	09-07-3178	09-07-3238
	09-06-3057	09-06-3117	09-06-3177	09-06-3237	09-07-3067	09-07-3127	09-07-3187	09-07-3247
	09-06-3058	09-06-3118	09-06-3178	09-06-3238	09-07-3068	09-07-3128	09-07-3188	09-07-3248
	09-06-3067	09-06-3127	09-06-3187	09-06-3247	09-07-3077	09-07-3137	09-07-3197	26-32-3068
	09-06-3068	09-06-3128	09-06-3188	09-06-3248	09-07-3078	09-07-3138	09-07-3198	26-32-3089
	09-06-3077	09-06-3137	09-06-3197	09-07-3027	09-07-3087	09-07-3147	09-07-3207	
	09-06-3078	09-06-3138	09-06-3198	09-07-3028	09-07-3088	09-07-3148	09-07-3208	

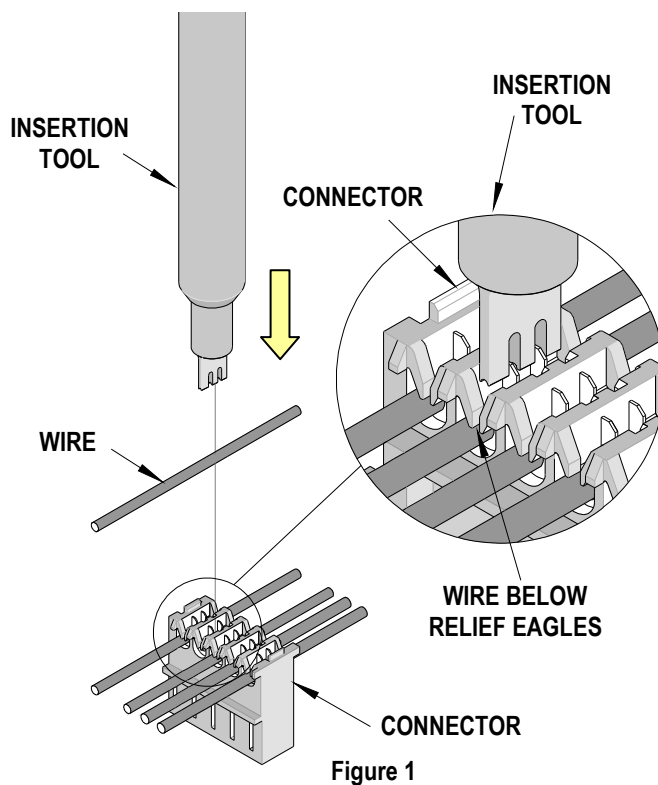
Color Code Black								
Connector Series No.	Connector Order No.							
7674	09-10-2117	09-10-2156	09-06-5020	09-06-5029	09-06-5030	09-06-5039	09-06-5040	09-06-5049
	09-06-5050	09-06-5059	09-06-5060	09-06-5069	09-06-5070	09-06-5079	09-06-5080	09-06-5089
	09-06-5090	09-06-5099	09-06-5100	09-06-5109	09-06-5110	09-06-5119	09-06-5120	09-06-5129
	09-06-5130	09-06-5139	09-06-5140	09-06-5149	09-06-5150	09-06-5159	09-06-5160	09-06-5169
	09-07-5020	09-07-5029	09-07-5030	09-07-5039	09-07-5040	09-07-5049	09-07-5050	09-07-5059

Color Code Black								
Connector Series No.	Connector Order No.							
7674	09-07-5060	09-07-5069	09-07-5070	09-07-5079	09-07-5080	09-07-5089	09-07-5090	09-07-5099
	09-07-5100	09-07-5109	09-07-5110	09-07-5119	09-07-5120	09-07-5129	09-07-5130	09-07-5139
	09-07-5140	09-07-5149	09-07-5150	09-07-5159	09-07-5160	09-07-5169		
	26-32-1025	26-32-1027	26-32-1035	26-32-1037	26-32-1047	26-32-1049	26-32-1057	26-32-1059
	26-32-1063	26-32-1067	26-32-1069	26-32-1077	26-32-1079	26-32-1087	26-32-1089	26-32-1097
	26-32-1099	26-32-1107	26-32-1109	26-32-1117	26-32-1119	26-32-1127	26-32-1129	26-32-1137
	26-32-1139	26-32-1147	26-32-1149	26-32-1157	26-32-1159	26-32-1167	26-32-1169	50-29-1556
7675	09-06-5027	09-06-5028	09-06-5037	09-06-5038	09-06-5047	09-06-5048	09-06-5057	09-06-5058
	09-06-5067	09-06-5068	09-06-5077	09-06-5078	09-06-5087	09-06-5088	09-06-5097	09-06-5098
	09-06-5107	09-06-5108	09-06-5117	09-06-5118	09-06-5127	09-06-5128	09-06-5137	09-06-5138
	09-06-5147	09-06-5148	09-06-5157	09-06-5158	09-06-5167	09-06-5168	09-06-5177	09-06-5178
	09-06-5187	09-06-5188	09-06-5197	09-06-5198	09-06-5207	09-06-5208	09-06-5217	09-06-5218
	09-06-5227	09-06-5228	09-06-5237	09-06-5238	09-06-5247	09-06-5248	09-07-5027	09-07-5028
	09-07-5037	09-07-5038	09-07-5047	09-07-5048	09-07-5057	09-07-5058	09-07-5067	09-07-5068
	09-07-5077	09-07-5078	09-07-5087	09-07-5088	09-07-5097	09-07-5098	09-07-5107	09-07-5108
	09-07-5117	09-07-5118	09-07-5127	09-07-5128	09-07-5137	09-07-5138	09-07-5147	09-07-5148
	09-07-5157	09-07-5158	09-07-5167	09-07-5168	09-07-5177	09-07-5178	09-07-5187	09-07-5188
	09-07-5197	09-07-5198	09-07-5207	09-07-5208	09-07-5217	09-07-5218	09-07-5227	09-07-5228
	09-07-5237	09-07-5238	09-07-5247	09-07-5248	09-10-5109	09-10-5149	09-10-5169	21-62-2001
	26-31-5028	26-31-5038	26-31-5048	26-31-5058	26-31-5068	26-31-5088	26-31-5108	26-31-5158
	26-32-5048	26-32-5067	26-32-5068	26-32-5129	26-32-9025	26-32-9085	26-32-9155	26-38-5067
	26-38-5068							
■ 67926	67926-0401	67926-0402	67926-0405	67926-0411	67926-0412	67926-0415	67926-0421	67926-0422
	67926-0425							

## OPERATION:

Intended for prototyping purposes only, follow the steps below:

1. Place the connector on a flat surface.
2. For feed through or feed-to, line up the wire into position above the connector.
3. Using the tool, press the wire into the housing making sure the insertion tool clears the terminals.
4. ▶ Push down until the bottom of the wire is touching the housing and the top of the wire is below the strain relief eagles on both sides of the connector or one end if it is the last connector of the harness. See Figure 1.
5. Molex does not repair this tool due to the inexpensive nature of these tools.



- ▶ 67926 Series connectors do not include strain relief Eagles. A snap on strain relief cover is available.

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