

CTTG Directory of Troubleshooting Guides

Please click on drive family of interest



Commander SK

[Fault Code Diagnostics](#)



Commander SE



Unidrive SP, GP20, Affinity, and Unidrive Classic



Quantum III/ Mentor II



Focus 1 & Focus 3

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 100	1.2	MII/QIII Size 1	Dark Display/Lights Out
CTTG 101	1.3	UNI(SP) Sizes 1-4	It.AC trip
CTTG 102	1.0	Mentor II/Quantum III	Continuous State of Reset
CTTG 103	1.3	Mentor II/Quantum III	EEF Trip Code
CTTG 104	1.3	Mentor II/Quantum III	FdL Trip Code
CTTG 105	1.3	Mentor II/Quantum III	AOC Trip Code
CTTG 106	1.1	Mentor II/Quantum III	FbL Trip Code
CTTG 107	1.1	Mentor II/Quantum III	Oh Trip Code
CTTG 108	1.1	UNI(SP) Sizes 1-4	OU trip
CTTG 109	1.1	UNI(SP) Sizes 1-4	OI.AC trip
CTTG 110	1.0	Quantum III	Will Not Run
CTTG 111	1.0	Unidrive SP	Will Not Run
CTTG 112	1.1	Commander SE	Will Not Run
CTTG 113	1.0	Unidrive	Will Not Run
CTTG 114	1.1	Mentor II	Will Not Run
CTTG 115	1.0	Focus 3N	Bench Test
CTTG 116	1.1	Mentor II/Quantum III	AOP Trip Code
CTTG 117	1.3	Quantum III Sizes 1-3	Et Trip Code
CTTG 118	1.1	Mentor II/Quantum III	It Trip Code
CTTG 119	1.3	Mentor II/Quantum III	PS Trip Code
CTTG 120	1.0	Mentor II/Quantum III	SL Trip Code
CTTG 121	1.0	Unidrive Classic Size 5	Fault Isolation
CTTG 122	1.2	Unidrive SP	It.br Trip Code
CTTG 123	1.1	Mentor II/Quantum III	FOC Trip Code
CTTG 124	1.2	Mentor II/Quantum III	FOC Trip Code
CTTG 125	1.0	Unidrive Classic	HF Fault Trip Codes

- Not yet released

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Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 126	1.0	Commander SE	HF Fault Trip Codes
CTTG 127	1.1	Unidrive SP	Unidrive SP & EZmotion
CTTG 128	1.0	Unidrive Classic	Unidrive UD7x Trip Codes
CTTG 129	1.0	Unidrive SP	Unidrive SP & EZ Motion SLX.HF
CTTG 130	1.0	Mentor II/Quantum III	Membrane Keypad Connections
CTTG 131	1.0	Unidrive Classic	Oh2 Trips
CTTG 132	1.0	Unidrive SP	O.ht2 Trips
CTTG 133	1.0	Unidrive Classic Size 5	Ot HS _n Faults
CTTG 134	1.0	Mentor II/Quantum III	Determining a Faulty Field Bridge Rectifier
CTTG 135	1.0	Unidrive Classic Size 5	Ot Pc or AdOI Faults
CTTG 136	1.4	All Drives	Input Power Problems
CTTG 137	1.0	Focus 1	Basic Checks for Focus 1
CTTG 138	1.2	Commander SK	Commander SK HF Trip Codes
CTTG 139	1.0	Commander CDE	Commander CDE Trip Codes
CTTG 140	1.1	Unidrive SP	Option Module Trip Codes
CTTG 141	1.1	GP20/Affinity	Option Module Trip Codes
CTTG 142	1.1	Commander SK/HSK	Option Module Trip Codes
CTTG 143	1.3	Commander SK/HSK	Common Trip Codes
CTTG 144	1.0		
CTTG 145	1.0	Unidrive Classic/SP	Resolver Troubleshooting
CTTG 146	1.0	GP20/ SP/ SK	Troubleshooting fans on size 5 & 6
CTTG 147	1.1	FXM5	FXM5 Troubleshooting Guidance
CTTG 148	1.0	Quantum III Size 1	Causes/Remedies for Blown Fuses
CTTG 149	1.0	Quantum III Size 2	Causes/Remedies for Blown Fuses
CTTG 150	1.0	Quantum III Size 3	Causes/Remedies for Blown Fuses
CTTG 151	1.0	SK/SP/Affinity/GP20	Over Voltage Trips on Power Up

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Mentor II & Quantum III Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 100	1.2	MII/QIII Size 1	Dark Display/Lights Out
CTTG 102	1.0	Mentor II/Quantum III	Continuous State of Reset
CTTG 103	1.3	Mentor II/Quantum III	EEF Trip Code
CTTG 104	1.3	Mentor II/Quantum III	FdL Trip Code
CTTG 105	1.3	Mentor II/Quantum III	AOC Trip Code
CTTG 106	1.1	Mentor II/Quantum III	FbL Trip Code
CTTG 107	1.1	Mentor II/Quantum III	Oh Trip Code
CTTG 110	1.0	Quantum III	Will Not Run
CTTG 114	1.1	Mentor II	Will Not Run
CTTG 116	1.1	Mentor II/Quantum III	AOP Trip Code
CTTG 117	1.3	Quantum III Sizes 1-3	Et Trip Code
CTTG 118	1.1	Mentor II/Quantum III	It Trip Code
CTTG 119	1.3	Mentor II/Quantum III	PS Trip Code
CTTG 120	1.0	Mentor II/Quantum III	SL Trip Code
CTTG 123	1.1	Mentor II/Quantum III	FOC Trip Code
CTTG 124	1.2	Mentor II/Quantum III	FOC Trip Code
CTTG 130	1.0	Mentor II/Quantum III	Membrane Keypad Connections
CTTG 134	1.0	Mentor II/Quantum III	Determining a Faulty Field Bridge Rectifier
CTTG 136	1.4	All Drives	Input Power Problems
CTTG 144	1.0		
CTTG 147	1.1	FXM5	FXM5 Troubleshooting Guidance
CTTG 148	1.0	Quantum III Size 1	Causes/Remedies for Blown Fuses
CTTG 149	1.0	Quantum III Size 2	Causes/Remedies for Blown Fuses
CTTG 150	1.0	Quantum III Size 3	Causes/Remedies for Blown Fuses

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Focus 1 & Focus 3 Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 115	1.0	Focus 3N	Bench Test
CTTG 136	1.4	All Drives	Input Power Problems
CTTG 137	1.0	Focus 1	Basic Checks for Focus 1

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Affinity, Commander GP20, Unidrive Classic & Unidrive SP Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 101	1.3	UNI(SP) Sizes 1-4	It.AC trip
CTTG 108	1.1	UNI(SP) Sizes 1-4	OU trip
CTTG 109	1.1	UNI(SP) Sizes 1-4	OI.AC trip
CTTG 111	1.0	Unidrive SP	Will Not Run
CTTG 121	1.0	Unidrive Classic Size 5	Fault Isolation
CTTG 122	1.2	Unidrive SP	It.br Trip Code
CTTG 127	1.1	Unidrive SP	Unidrive SP & EZmotion
CTTG 129	1.0	Unidrive SP	Unidrive SP & EZ Motion SLX.HF
CTTG 132	1.0	Unidrive SP	O.ht2 Trips
CTTG 136	1.4	All Drives	Input Power Problems
CTTG 140	1.1	Unidrive SP	Option Module Trip Codes
CTTG 141	1.1	GP20/Affinity	Option Module Trip Codes
CTTG 145	1.0	Unidrive Classic/SP	Resolver Troubleshooting
CTTG 146	1.0	GP20/ SP/ SK	Troubleshooting fans on size 5 & 6
CTTG 151	1.0	SK/SP/Affinity/GP20	Over Voltage Trips on Power Up

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Unidrive Classic Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 101	1.3	UNI(SP) Sizes 1-4	It.AC trip
CTTG 108	1.1	UNI(SP) Sizes 1-4	OU trip
CTTG 109	1.1	UNI(SP) Sizes 1-4	OI.AC trip
CTTG 113	1.0	Unidrive	Will Not Run
CTTG 121	1.0	Unidrive Classic Size 5	Fault Isolation
CTTG 125	1.0	Unidrive Classic	HF Fault Trip Codes
CTTG 128	1.0	Unidrive Classic	Unidrive UD7x Trip Codes
CTTG 131	1.0	Unidrive Classic	Oh2 Trips
CTTG 136	1.4	All Drives	Input Power Problems
CTTG 145	1.0	Unidrive Classic/SP	Resolver Troubleshooting

- Not yet released

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Unidrive Size 5 Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 121	1.0	Unidrive Classic Size 5	Fault Isolation
CTTG 133	1.0	Unidrive Classic Size 5	Ot HS _n Faults
CTTG 135	1.0	Unidrive Classic Size 5	Ot Pc or AdOI Faults
CTTG 136	1.4	All Drives	Input Power Problems

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Commander SE Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 112	1.1	Commander SE	Will Not Run
CTTG 126	1.0	Commander SE	HF Fault Trip Codes
CTTG 136	1.4	All Drives	Input Power Problems

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Commander SK Troubleshooting Guides

Troubleshooting Guide #	Rev	Drive Family	Description
CTTG 136	1.4	All Drives	Input Power Problems
CTTG 138	1.2	Commander SK	Commander SK HF Trip Codes
CTTG 142	1.1	Commander SK/HSK	Option Module Trip Codes
CTTG 143	1.3	Commander SK/HSK	Common Trip Codes
CTTG 146	1.0	GP20/ SP/ SK	Troubleshooting fans on size 5 & 6
CTTG 151	1.0	SK/SP/Affinity/GP20	Over Voltage Trips on Power Up

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