Bus Duct and Power Leads Continuity Test Reports

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"
120 AMP AMP LEAD
WIRES FROM Q3 POWER BUS TAG I.D

CONTINUITY TESTING
MTM-MP-1020

Function Designator, Tag or Description		Resistance ohms	Assembly Step	By Date
120 AMP LEAD THRU TO			BEFORE SOLDERING	
POWER BUS WIRE END	POWER BUS WIRE END			8/30/04
B 4B	B 4B	.9 Ω		
A 4A	A 4A	.6 Ω		
A 4B	A 4B	.6 Ω		
B 3 A	B 3 A	.6 Ω		
B 3B	B 3B	.6 Ω		
B 6A	B 6 A	.6 Ω		
B 6B	B 6 B	.5 Ω		
A 3 B	A 3B	.6 Ω		
A 3 A	A 3 A	.6 Ω		
B 4 A	B 4 A	.6 Ω		

Multimeter Make and MTM Serial Number: FLUKE 85
47900003

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"

600 AMP AMI LEAD 1 TO 6
VOLTAGE TAP WIRES
CONTINUITY TESTING
MTM-MP-1020
S/N # 3WC909B

Function Designator, Tag or Description		Resistance ohms	Assembly Step	By Date
WIRE FROM AIR SIDE	TO WIRE FROM HE-SIDE		BEFORE SOLDERING	8/30/04 RC
Y1-V3	Y1-V3	1.0Ω		
Y2-V3	Y2-V3	1.0Ω		
Y3-V3	Y3-V3	1.0Ω		
Y4-V3	Y4-V3	1.0Ω		
Y5-V3	Y5-V3	1.0Ω		
Y6-V3	Y6-V3	1.0Ω		

Multimeter Make and MTM Serial Number: FLUKE 85 47900002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G" VOLTAGE LAD
600AMP LEAD WIRES

CONTINUITY TESTING
MTM-MP-1020

S/N# 3W09090

Function Designator, Tag or Description	Resistance ohms	Assembly Step	By Date
WIRES FROM AIR SIDE / WIRE FROM HELIUM	~~N/A~~	BEFORE CUTTING WIRES TO LENGTH	
Y13-V3 TO Y13-V3	.9 Ω	" "	DK 8/24/04
Y14-V3 TO Y14-V3	.9 Ω	( )	8/24/04

Multimeter Make and MTM Serial Number: Fluke 47900002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

"G" Box
600 AMP AMI LEAD
VOLTAGE TAP WIRES
CONTINUITY TESTING
MTM-MP-1020

S/N # 3W0909B

Function Designator, Tag or Description		Resistance ohms	Assembly Step	By Date
FROM AIR SIDE	FROM HE. SIDE	0.8 Ω	BEFORE SOLDERING	8/6/04
Y7-V3	Y7-V3	0.8 Ω		
Y8-V3	Y8-V3	0.9 Ω		
Y9-V3	Y9-V3	0.8 Ω		
Y10-V3	Y10-V3	0.8 Ω		
Y11-V3	Y11-V3	0.8 Ω		
Y12-V3	Y12-V3	0.8 Ω		

Multimeter Make and MTM Serial Number: Fluke 4790002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"

120° AMP AMI LEAD 1 THRU 10

CONTINUITY TESTING
MTM-MP-1020

S/N # 360909A

Function Designator, Tag or Description			Resistance ohms	Assembly Step	By Date
120 AMP LEAD 1 THRU 10				BEFORE SOLDERING	BJC 8/26/04
POWER BUS FROM Q3	120 AMP LEAD #,	VOLTAGE TAP WIRE			
B4B	#1	Z1-V3	1.0 Ω		
A4A	#2	Z2-V3	1.0 Ω		
A4B	#3	Z3-V3	1.0 Ω		
B3A	#4	Z4-V3	1.0 Ω		
B3B	#5	Z5-V3	1.0 Ω		
B6A	#6	Z6-V3	1.0 Ω		
B6B	#7	Z7-V3	1. Ω		
A3B	#8	Z8-V3	1.0 Ω		
A3A	#9	Z9-V3	1.0 Ω		
B4A	#10	Z10-V3	1.0 Ω		

.9 ✓
.9 ✓
✓
.9 ✓
.9 ✓
.9 ✓
1. ✓
1 ✓
.9 ✓
.9 ✓
CLD
9-13-04

Multimeter Make and MTM Serial Number: Fluke Mult. 47900002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"

600 AMP AMI LEAD #13 AND #14 LEAD

CONTINUITY TESTING
MTM-MP-1020

S/N # 3W0909D

Function Designator, Tag or Description		Resistance ohms	Assembly Step	By Date
600 AMP LEAD	13 AND 14 LEAD		BEFORE SOLDERING	D.K 8/14/04
POWER BUS FROM Q3	600 AMP LEAD #			
A2A	# 13	33.2 Ω		
A2B	# 14	33.9 Ω		

Multimeter Make and MTM Serial Number: FLUKE 85 47900002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

Box "G"

120 AMP AMJ LEAD
VOLTAGE TAP WIRES

CONTINUITY TESTING
MTM-MP-1020

S/N # 3W0909A

Function Designator, Tag or Description		Resistance ohms	Assembly Step	By Date
WIRE FROM AIR SIDE	WIRE FROM He. SIDE	NA	BEFORE CUTTING WIRES TO LENGTH	DX 8/26/04
Z1-V3	Z1-V3	1.0 Ω		DX 8/26/04
Z2-V3	Z2-V3	1.0 Ω		DX 8/26/04
Z3-V3	Z3-V3	1.0 Ω		DX 8/26/04
Z4-V3	Z4-V3	1.0 Ω		DX 8/26/04
Z5-V3	Z5-V3	1.0 Ω		DX 8/26/04
Z6-V3	Z6-V3	1.0 Ω		DX 8/26/04
Z7-V3	Z7-V3	1.0 Ω		DX 8/26/04
Z8-V3	Z8-V3	1.0 Ω		DX 8/26/04
Z9-V3	Z9-V3	1.0 Ω		DX 8/26/04
Z10-V3	Z10-V3	1.0 Ω		DX 8/26/04

Multimeter Make and MTM Serial Number: Fluke 479002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"

600 AMP AMI LEAD #13 AND 14
CONTINUITY TESTING
MTM-MP-1020

S/N # 3W0909D

Function Designator, Tag or Description			Resistance ohms	Assembly Step	By Date
POWER BUS FROM Q3	600 AMP LEAD #	VOLTAGE TAP WIRE	" "	AFTER SOLDERING ALL 3 TOGETHER	
A2A	#13	Y13-V3	.90 KΩ	" "	AK 8/24/04
A2B	#14	Y14-V3	.9 KΩ	" "	AK 8/24/04

Multimeter Make and MTM Serial Number: FLUKE 85
4790002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"
120 AMP AMI LEAD 1 THRU 10

CONTINUITY TESTING
MTM-MP-1020

S/N # 340909A

Function Designator, Tag or Description			Resistance ohms	Assembly Step	By Date
120 AMP LEAD 1 THRU 10				AFTER SOLDERING	9-13-04 CLD
POWER BUS FROM Q3	120 AMP LEAD #,	VOLTAGE TAP WIRE			
B4B	#1	Z1-V3	.9 Ω		
A4A	#2	Z2-V3	.9 Ω		
A4B	#3	Z3-V3	1.0 Ω		
B3A	#4	Z4-V3	.9 Ω		
B3B	#5	Z5-V3	.9 Ω		
B6A	#6	Z6-V3	.9 Ω		
B6B	#7	Z7-V3	1.0 Ω		
A3B	#8	Z8-V3	1.0 Ω		
B3A	#9	Z9-V3	.9 Ω		
B4A	#10	Z10-V3	.9 Ω		

Multimeter Make and MTM Serial Number: FLUKE MULTI 4790002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

JOB # 91B
BOX "G"

CONTINUITY TESTING
MTM-MP-1020

Function Designator, Tag or Description			Resistance ohms	Assembly Step	By Date
600 AMP 6 LEAD					
TAP #	LEAD #	BUS # FROM Q3			
Y1-V3	1	V2A	.4 Ω	BEFORE SOLDERING	DJC KGK
Y2-V3	2	V2B	.3 Ω	" "	DJC KGK
Y3-V3	3	V3A	.3 Ω	" "	DJC KGK
Y4-V3	4	V3B	.3 Ω	" "	DJC KGK
Y5-V3	5	V1B	.3 Ω	" "	DJC KGK
Y6-V3	6	V1A	.3 Ω	" "	DJC KGK
600 AMP 6 LEAD				AFTER SOLDERING	
TAP #	LEAD #	BUS # FROM Q3		" "	
Y1-V3	1	V2A	.4 Ω	" "	DJC KGK
Y2-V3	2	V2B	.3 Ω	" "	
Y3-V3	3	V3A	.3 Ω	" "	
Y4-V3	4	V3B	.3 Ω	" "	
Y5-V3	5	V1B	.3 Ω	" "	
Y6-V3	6	V1A	.3 Ω	" "	

Multimeter Make and MTM Serial Number: 47900002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

FINAL

CONTINUITY TESTING OF AMI AND HTS LEADS
MTM-MP-1020

BOX "G" BEFORE WELDING COVERS ON He VESSEL

Function Designator, Tag or Description	Resistance ohms	Assembly Step	By Date
S/N 3W0909B AMI LEAD 1-6	ALL LEADS 1-6 PASSED	BEFORE WELDING COVERS	[illegible] 9/14/04
S/N 3W0909A 1-10	ALL PASSED	" "	CLD 9-14-04
SN 3W0909D 13+14	ALL PASSED	" "	CLD 9-14-04
S/N 3W0909C 7-12	ALL PASSED	" "	CLD 9-14-04
POWER BUS (OUTSIDE) TO 7500 A DFLX BUS (TOP)	ALL 1-6 PASSED	" "	CLD 9-14-04

Multimeter Make and MTM Serial Number: FLUKE 85 MULTIMETER 4790002

Test Report Form TR-1020A
Rev. B

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708 / 425-9080
FAX 708 / 425-2612

BOX "G"
600 AMP AMI LEAD 1 THRU 6

CONTINUITY TESTING
MTM-MP-1020

S/N # 3W0909B

Function Designator, Tag or Description			Resistance ohms	Assembly Step	By Date	
600 AMP LEAD 1 THRU 6				BEFORE SOLDERING	DTG 8/30/04	
POWER BUS FROM Q3	600 AMP LEAD #,	VOLTAGE TAP WIRE				
V2A	#1	Y1-V3	0.5 Ω			.9 ✓
V2B	#2	Y2-V3	0.4 Ω			.9 ✓
V3A	#3	Y3-V3	0.4 Ω			.9 ✓
V3B	#4	Y4-V3	0.5 Ω			.9 ✓
V1B	#5	Y5-V3	0.5 Ω			.8 ✓
V1A	#6	Y6-V3	0.5 Ω			.9 ✓
				AFTER SOLDERING - CLD 9-13-04		
V2A	1	Y1-V3	.9 Ω			
V2B	2	Y2-V3	.8 Ω			
V3A	3	Y3-V3	.9 Ω			
V3B	4	Y4-V3	.9 Ω			
V1B	5	Y5-V3	.8 Ω			
V1A	6	Y6-V3	.8 Ω			

Multimeter Make and MTM Serial Number: FLUKE MULTI. 85 4790002

Test Report Form TR-1020A
Rev. B