

Cable Inspection Report

Technician		Cell#	
Serial Number		Date	
Model			

Cable Type

Servo Encoder Cable	
Servo Power Cable	
USB Cable	
Non-Contact Encoder (NCE) Cable	
Generic Point to Point Cable	

Why Is Cable Being Replaced?

1. What Alarm is being generated	
2. When does the alarm occur?	
3. Is the Alarm resettable?	
4. Other - Describe the issue:	

Mandatory Troubleshooting

Answer These Questions For Servo Motor Power and Encoder Cables

4. Did you go through the Axis Servo Motor and Cables TSG?	Yes	No
6. Are the cable connectors on the servo amplifier side of the power cables damaged?	Yes	No
7. Are the pins on the servo motor side of the power cable damaged?	Yes	No
8. Are the cable pins on the Maincon PCB side of the Encoder cable damaged?	Yes	No
9. Are the pins on the Servo motor encoder and home switch side of the encoder cable damaged?	Yes	No
10. Using the RJ45 Cable Tester Kit (T-0150) check the continuity of the cable pins. Fill out the LED sequence of the Remote Unit corresponding to the Master Unit on Table A and Table B for the respective cables.		

Answer These Questions For USB Cables

11. Is there any visible damage to the USB cable?	Yes	No
12. Is there any damage to the USB connectors or the pins inside the connectors?	Yes	No
13. Using the RJ45 Cable Tester Kit (T-0150) check the continuity of the cable pins. Fill out the LED sequence of the Remote unit corresponding to the Master unit on Table C .		

Answer These Questions For Non-Contact Encoder (NCE) Cables

14. Did you go through the Spindle Non-Contact Encoder - TSG?	Yes	No
15. Is there any damage to the spindle motor overheat cable or pins on the connector?	Yes	No
16. Is there any visible damage to the NCE cable or the read-head connector?	Yes	No
17. Is there damage to the cable port on the Maincon PCB or the cable connector?	Yes	No
18. Using the RJ45 Cable Tester Kit (T-0150) check the continuity of the cable pins. Fill out the LED sequence of the Remote unit corresponding to the Master unit on Table D .		

Answer These Questions For Generic Point-to-Point Cables

19. Is there voltage measured at where the cable connector goes?	Yes	No
20. Is there any visible damage to the cable or to the cable connectors?	Yes	No
21. Is there any corrosion or contamination present on the cable connectors.	Yes	No
22. Is there continuity between the two cable connectors?	Yes	No

LED Sequence Tables

For the Cable's Table below, fill in the which Remote LED(s) light up when the corresponding LED on the Master is lit. Write N/A if no LED flash on.

Table A

Axis Power Cable	
Master	Remote
1	
2	
3	
4	

Table B

Axis Encoder Cable	
Master	Remote
1	
2	
3*	
4	
5	
6	

Table C

USB Cable	
Master	Remote
1	
2	
3	
4	
G	

Table D

NCE Cable	
Master	Remote
1	
2	
3	
4	
5	
6	
7	

*Working Axis Encoder Cables will show 2 LED's (3+7) on the remote when LED 3 on the master unit is on.

Notes/ Observations: