ID-0001 Rev E

		Vector Driv	e Inspection	Report		
Technician				Cell#		
Serial Number				Date		
Model						
		Ve	ector Drive Type			
Horse	Power					
Why is the Vector Drive being replaced?						
1a. What alarms are g	enerated?	1b. Does the alarm reset?			Yes No	
1c. When does the ala	arm occur?					
2. Is the drive physically damaged?						
3. Other - Describe the issue:						
		Manala	tom: Troublesheeting			
Wanterfory Troubleshooting						
L I-LZ	LZ-LJ	LI-L3	LI-GND	L2-GND	L3-GND	
4b What is the main t	ransformer tan setting					
5a What was the measured DC BLISS output voltage?						
5b. Does the DC Buss gauge in diagnostic match the actual measured DC BUSS voltages?						
Answer questions 6 - 8 if the alarm occurs at power on or servos on, if not skip to question 9.						
6. Power OFF. Wait for the Vector Drive to fully discharge. Disconnect the Spindle Motor Output cables						
from the drive. Power on the machine does the alarm reset? If you answer yes, then the problem is Yes No						
with the spindle motor, Y/D or cabling.						
7. Power OFF. Wait for the Vector Drive to fully discharge. Disconnect the 320V output cables from the						
drive. Disable all the axis (except Z in mills, X in lathes and Y on Horizontal machines). Power on the Yes No						
machine does the alarm reset? If you answer yes, then the problem is with one of the drive amps.						
8 Power OFF. Wait for the Vector Drive to fully discharge. Disconnect the regen cables from the drive						
Power on the machine does the alarm reset? If you answer yes, then the problem is with the regen load.						
9a. Power OFF. Wait for the Vector Drive to fully discharge. Disconnect all the cables from the drive. With a Multimeter set to Ohms measure and fill						
TB-4 to GND (Chassis)		TR 5 to CND (Chappin)			TP 6 to CND (Chassis)	
		TB-5 to GND (Chassis)				
		TB-2 (Black Lead) to TB-10 (Red Lead)		TB-2 (Black Lead) to TB-11 (Red Lead)		
TD-2 (Black Lead)	to TD-5 (Neu Leau)	TD-2 (Diack Lead)		10-2 (0)		
TB-3 (Black Lead)	to TB-9 (Red Lead)	TB-3 (Black Lead)	to TB-10 (Red Lead)	TB-3 (B)	lack Lead) to TB-11 (Red Lead)	
9b. With a Multimeter	set to OHMs measure a	nd fill out the reading b	elow:			
TB-1 (Red Lead) to TB-3 (Black Lead)						
10. With the motor cal	bles at the vector drive o	lisconnected. Power O	N. Press [Reset] to clea	ar anv alarms. Wit	h a Multimeter set to Volts. measure	
and fill out the readings below:						
TB-3 (Red Lead) to TB-9 (Black Lead)		TB-3 (Red Lead) to TB-10 (Black Lead) TB-3 (Red		ed Lead) to TB-11 (Black Lead)		
11. Did you checked Y/D wiring?				Ye	s No	
12. Did you check spindle motor cables for shorts to chassis?				Yes No		
13. Did you check the spindle motor for shorts to chassis?				Yes No		
14. Did you check the axis amps for shorts to chassis?				Ye	s No	
15. Did you check the axis cables/motors for shorts to chassis?				Ye	s No	
 16. Did you onm out the Regen box, what was the Ohm reading? 47. Was a famile filter installed on the sufficient view in the state of the sufficience of the sufficien				Ye	s No	
17. Was a territe filter installed on the output wires going to the spindle motor? Yes No						
18. Did you reconnect all cables that were removed and check that all terminal connections are tight and secure After connecting all cables, power on the machine and try to reproduce the alarm/s).						
Notes/ Observations:						