

Spindle Motor Inspection Report

Technician		Cell#	
Serial Number		Date	
Model			
Type of Spindle Motor			
1. What is the spindle taper?	20	30	40 50 HSK
2. What is the spindle motor RPM?	4k	6k	7.5k 8.1k 10k 12k 15k 18k 20k 30k 50k
3. Is the spindle motor inline or belt driven?	Inline Belt		
4. What is the machine's software version?			
Why is the Spindle Motor being replaced?			
5. What alarms are generated?			
6. When does the alarm/symptom occur?			
7. Is the alarm resettable?	Yes No		
8. Is the spindle motor physically damaged?	Yes No		
9. Other - Describe the issue:			
Spindle Motor Troubleshooting			
7. Does the spindle motor run?	Yes No		
7b. If so, does the issue occur while the spindle motor is running?	Yes No		
7c. Is there excessive noise while the spindle motor is running?	Yes No		
7d. For Inline motors only: Is there a poor finish on parts?	Yes No		
8. Is the program too aggressive for the spindle motor?	Yes No		
9. For TSC machines only: Has the TSC union been inspected for leaks?	Yes No		
10. Has there been a vibrational analysis test?	Yes No		
Electrical Troubleshooting			
11a. Has the J-Box been inspected?	Yes No		
11b. Does the temperature sensor work?	Yes No		
11c. Are all the connections secure?	Yes No		
12. Have you tested the following:			
12a. Secure cable connections?	Yes No		
12b. Spindle fan?	Yes No		
12c. Vector drive?	Yes No		
12d. Regen?	Yes No		
12e. Wye/Delta?	Yes No		
13a. Has the encoder system been checked for wear or damage?	Yes No		
13b. Has the encoder feedback been checked for accuracy?	Yes No		
13c. For GB with belted encoder: Has the encoder pulley/belt been inspected?	Yes No		
13d. Has runout and play been checked for within the encoder?	Yes No		
Motor Ohm Out Test			
14. Measure between motor leads or terminals and enter the value in ohms:			
T1 & T4: _____	T2 & T5: _____	T3 & T6: _____	
T2 & T4: _____	T3 & T4: _____	T1 & T5: _____	
T3 & T5: _____	T1 & T6: _____	T2 & T6: _____	
15. Measure between each individual motor lead or terminal and the motor's armature:			
T1 & Motor Chassis: _____	T2 & Motor Chassis: _____	T3 & Motor Chassis: _____	
T4 & Motor Chassis: _____	T5 & Motor Chassis: _____	T6 & Motor Chassis: _____	
Notes/ Observations:			

Attach this report, an error report, and any relevant documentation to a service notification in the Haas Service App.