						ID-0009 Rev	
S	ervo Motor Troub	leshooting Ins	ection Re	eport			
Technician			Cell#				
Serial Number			Date				
Model							
	Serv	o Motor Type and size					
Туре			Size				
Servo Motor Axis		Axis	Non Axis	s Servo Motor			
	Why is the S	Servo Motor being repla					
1a. What alarms are generated?		1b. Does the alarm reset?			Yes No		
		1d. Have you submitted a v			V N		
1c. When does the alarm occur?	10	the original issue to service?			Yes No)	
			Yes No				
2. Is the Motor physically damaged?		Describe the leaves	Yes No				
	3. Ott	ner - Describe the issue:					
A - Miles in the incoming and it was to the		atory Troubleshooting	alasadi kasalasa				
4a. What is the incoming voltage to the						elow.	
L1-L2 L2-L3	L1-L3	L1-GND	L2-GNE	,	L3-GND		
4b. What is the main transformer tap s							
5a. What was the measured DC BUSS		and DO DUICO voltages 2					
5b. Does the DC Buss gauge in diagno							
6. Power OFF. Wait for the Vector D					Ohms measu	re and fill	
out the readings below (for chassis point, use one of the screw has a Phase pin to GND (Chassis) B-Phase pin to GND (Chassis)				Phase pin to GND	(Chassis)		
A-Phase pin to GND (Chassis	b-Filase pili	(Cilassis)	C-	rnase pin to GND	(Cilassis)		
7 For serve motors used for Spindle a	upplications Did you check V/	D wiring? Is this correct?		Yes	No		
7. For servo motors used for Spindle applications. Did you check Y/D wiring? Is this correct?8. Are there shorts on the Servo Amplifier that drives this motor? Does the cable have continuity				Yes	No		
9. Did you inspect the axis servo amp			,				
good condition?	oominana dabio to make dare	that the pine and comice	.010 010 111	Yes	No		
10. Are there shorts on the power cable	e between chassis and phase	10. Are there shorts on the power cable between chassis and phase to Phase? Does the cable have					
continuity?				Voc	No		
		to i hase: Does the cabi	e have	Yes	No		
11. Are there shorts present between t	the Vector Drive to chassis?	to i hase: Does the capi	e have	Yes Yes	No No		
11. Are there shorts present between t12. What Axis is this servo motor used		to Thase: Does the cabl	e have	Yes	No		
	1?			Yes	No No		
12. What Axis is this servo motor used	? I the encoder cable at the Ma	incon end for the axis beir		Yes Yes Yes	No No No		
12. What Axis is this servo motor used13. Is there a ferrite filter installed on all14. Are there ferrite filters installed on a15. Are there ferrite filters installed on a	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive	incon end for the axis beir servo amps? and REGEN cable?		Yes Yes Yes Yes	No No No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Branch 	l? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24\	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB?		Yes Yes Yes Yes Yes	No No No No		
 12. What Axis is this servo motor used 13.Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Branch 17. Did you inspect the Motors encode 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24Priconnector at the Maincon and the cables of the maincon and the maincon a	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end?	ng troubleshot?	Yes Yes Yes Yes	No No No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Brain and you inspect the Motors encode 17. Did you inspect the Motors Encode 18. Did you inspect the Motors Encode 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24Priconnector at the Maincon and the cables of the maincon and the maincon a	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end?	ng troubleshot?	Yes Yes Yes Yes Yes	No No No No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24er connector at the Maincon at the cable for broken or pinched	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end?	ng troubleshot?	Yes Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 19. Are there any encoder pins pushed 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24Ver connector at the Maincon at the cable for broken or pinched d into the motors body?	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end? insulation? Does the cable	ng troubleshot?	Yes Yes Yes Yes Yes Yes Yes Yes Yes	No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 19. Are there any encoder pins pushed 20. When rotated by hand, does the m 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24Ver connector at the Maincon at the cable for broken or pinched d into the motors body?	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end? insulation? Does the cable	ng troubleshot?	Yes	No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 19. Are there any encoder pins pushed 20. When rotated by hand, does the m 21. Is there humming present? 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24er connector at the Maincon at the cable for broken or pinched into the motors body?	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end? insulation? Does the cable	ng troubleshot? e have	Yes Yes Yes Yes Yes Yes Yes Yes Yes	No		
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 19. Are there any encoder pins pushed 20. When rotated by hand, does the m 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24er connector at the Maincon at the cable for broken or pinched into the motors body?	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end? insulation? Does the cable	ng troubleshot? e have	Yes	No	No	
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 19. Are there any encoder pins pushed 20. When rotated by hand, does the m 21. Is there humming present? 22. For axis humming have you review 	I ? If the encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24Per connector at the Maincon are cable for broken or pinched d into the motors body? Notor shaft rotate smootly? (appendict of the drive shaft rotate smootly) and the axis humming troubles.	incon end for the axis beir servo amps? and REGEN cable? /dc at the I/O PCB? nd Motor end? insulation? Does the cable plies only for non-brake meshooting guide? Have you	ng troubleshot? e have	Yes	No N	No	
 12. What Axis is this servo motor used 13. Is there a ferrite filter installed on all 14. Are there ferrite filters installed on a 15. Are there ferrite filters installed on a 16. For servo motors equipped with Br. 17. Did you inspect the Motors encode 18. Did you inspect the Motors Encode continuity? 19. Are there any encoder pins pushed 20. When rotated by hand, does the m 21. Is there humming present? 22. For axis humming have you review the ballscrew troubleshooting guide 	Ithe encoder cable at the Ma all the output cables from the the output cables of the drive take, did you measure the 24er connector at the Maincon at the cable for broken or pinched d into the motors body? Into the motors body? Into the axis humming troubles the text configuration files for the	incon end for the axis being servo amps? and REGEN cable? /dc at the I/O PCB? and Motor end? insulation? Does the cable plies only for non-brake methods guide? Have you machine?	ng troubleshot? e have	Yes	No Yes	No	

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