Ballscrew Troubleshooting Inspection Report

Technician		**Cell#**	
Serial Number		**Date**	
Model			

Ballscrew

If this machine is a GM-2 with dual ballscrews and you expirience high loads while jogging the X -axis.Please review and fill out the Dual Ballscrew Inspection Checklist (ID0026) located on the Ballscrew Troubleshooting Guide

What Axis is the ballscrew?			
What is the brand of the ballscrew?			
What type of bearing pack do they have?	☐ Bearing pack (old)	☐ Cartridge Bearing (new)	
What type of coupler is insalled?	☐ Flex Coupling	☐ Solid Coupling	☐ Spider Coupling

Why is the Ballscrew being replaced?

1a. What alarms are generated?		**1b.** Does the alarm reset?	☐ Yes ☐ No
1c. When does the alarm occur?		**1d.** Have you submitted a video of the original issue to service?	☐ Yes ☐ No
1e. Have you submitted an error report?	☐ Yes ☐ No		
2a. Is the ballscrew physically damaged?	☐ Yes ☐ No	**2b.** Are the support or motor housing bearings damaged? Bearings should feel smooth by hand.	☐ Yes ☐ No
2c. Do the support or motor bearings need to be replaced**?**	☐ Yes ☐ No		

3. Other - Describe the issue:

Mandatory Troubleshooting

4. Did you check the ballscrew for correct lubrication?	☐ Yes ☐ No	
5. Is the correct lubrication being used?	☐ Yes ☐ No	Lubcrication Used:
6. Did you check the ballscrew and ballnut for damage? Has it been crashed?	☐ Yes ☐ No	☐ Yes ☐ No
8. Observe Axis Servo load while Jogging axis in question through full travel. A properly aligned Ball Screw will exhibit consistent servo loads throughout its travel.	Load % Range: Please describe the behavior:	
9. Can you physically feel the ballscrew binding (turning by hand)?	☐ Yes ☐ No	
10. Have you verified ballscrew backlash?	☐ Yes ☐ No	Backlash value:
11. Has a ballbar plot been taken and submitted to service?	☐ Yes ☐ No	
12. Is there humming present?	☐ Yes ☐ No	
13. For axis humming have you visited the axis humming troubleshooting guide? Have you visited the ballscrew troubleshooting guide	☐ Yes ☐ No	☐ Yes ☐ No
14. Did you download and install the latest configuration files for the machine?	☐ Yes ☐ No	

Notes/ Observations:

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