



## MTS Routine Maintenance

### MTS Criterion™ Electromechanical Load Frames

#### Eligible MTS Criterion Load Frame Models

- » Model 42
- » Model 43
- » Model 44
- » Model 45

Keep your MTS Criterion Series 40 Electromechanical Test Systems performing optimally with MTS Routine Maintenance. Load frames that are well-maintained produce more accurate and repeatable test results, giving you the peace of mind that comes with knowing that you can trust your data. Regular maintenance also identifies issues that may affect data integrity so they may be corrected before they become larger problems.

Protecting uptime and accuracy are paramount to achieving your testing objectives. With regularly-scheduled routine maintenance, you can rely on MTS to perform the checks and adjustments necessary to get the best results possible from your monotonic test equipment.

On a routine maintenance visit, MTS field service engineers check the entire electromechanical system: the hardware, software and electronics. We lubricate bearings and ball screws, back up specific testing software files, check cables and connections and verify overall system performance.

At the end of each routine maintenance visit, we'll provide a report of all services performed, current equipment condition and any recommendations, if necessary. You'll have the information you need to make decisions about your test equipment and confidence in knowing that you are able to address issues before they become problems. You'll also know that you are enhancing the productivity, reliability and longevity of your test equipment.

## MTS Criterion Electromechanical Load Frame

Recommended service to be performed at each running time interval noted

Calendar Time Using 8 Hour Run Time Rate Per Day	Daily	Weekly	Annually
<b>Running Time - Hours</b>	<b>8</b>	<b>40</b>	<b>2,000</b>
Shunt Cal Check	✓		
Clean Work Area / Machine Surface	✓		
Verify Limits and E-Stop		✓	
Inspect Cable / Connections		✓	
<b>PC Maintenance</b>			
Back up Testing Software Files (*.reg/cal files)			MTS
HD Defragmentation			MTS
<b>System Inspection</b>			
Check / Adjust Drive Belt Tension			MTS
Inspect Drive Belts for Excessive Wear			MTS
Inspect Cable Connections			MTS
<b>System Checks</b>			
Check E-Stop			MTS
Check Upper Limit			MTS
Check Lower Limit			MTS
Check Load Cal / Shunt Cal			MTS
<b>Lubrication</b>			
Crosshead / Ball Screw			MTS
Guide Column Zerk Fittings			MTS
Drivetrain Bearings (if applicable)			MTS
<b>Frame and Work Area</b>			
Clean Frame and Work Area			MTS

Note: MTS

Symbol denotes service performed by trained field service engineers as part of an MTS Routine Maintenance plan. Some of these procedures require special service tools and/or specific service training to complete.

Note: ✓

Symbol denotes services performed by equipment operators. Most of these procedures involve visual checks that should not interfere with test system operation. These checks are also completed by trained field service engineers on each Routine Maintenance visit.



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ISO 9001 Certified QMS

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100-254-269a MTS CriterionElectro-RM • Printed in U.S.A. • 12/23