



MTS Routine Maintenance

MTS Criterion™ Static-Hydraulic Load Frames

Eligible MTS Criterion Load Frame Models

- » Model 64.106
- » Model 64.305
- » Model 64.605

The high-force operation of your MTS Criterion Static-Hydraulic Test System drives the need for regularly scheduled maintenance. These robust systems consistently perform accurate and reliable tension and compression tests at force capacities ranging up to 1000 kN. With this much force capacity, it is important to protect data integrity and accuracy 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. Rely on MTS to perform the checks and adjustments necessary to get the best results possible from your monotonic tests.

On a routine maintenance visit, MTS field service engineers check the entire system: the hardware, software and electronics. We check crosshead limits, replace filters, 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 Static-Hydraulic 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
Running Time - Hours	8	40	2,000
Shunt Cal Check	✓		
Clean Work Area / Machine Surface / Jaw	✓		
Verify Limits and E-Stop		✓	
Inspect Cable / Connections		✓	
PC Maintenance			
Back up Testing Software Files (*.reg/cal files)			MTS
HD Defragmentation			MTS
System Inspection			
Inspect / Clean Controller			MTS
Inspect Cable Connections			MTS
System Checks			
Check E-Stop			MTS
Check Piston Travel Limit			MTS
Check Crosshead Upper Limit			MTS
Check Crosshead Lower Limit			MTS
Check Load Cal / Shunt Cal			MTS
Lubrication			
Cushion Plates and Wearable Plates of the Grip			MTS
Driven Parts of Lower Crosshead			MTS
Frame and Work Area			
Clean / Replace Air Filter			MTS
Clean / Replace Suction Filter			MTS
Clean / Replace High-pressure Line Filter			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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