

TRAILER MOUNTED SUPPORT SYSTEM (TMSS)

FMC Checklist



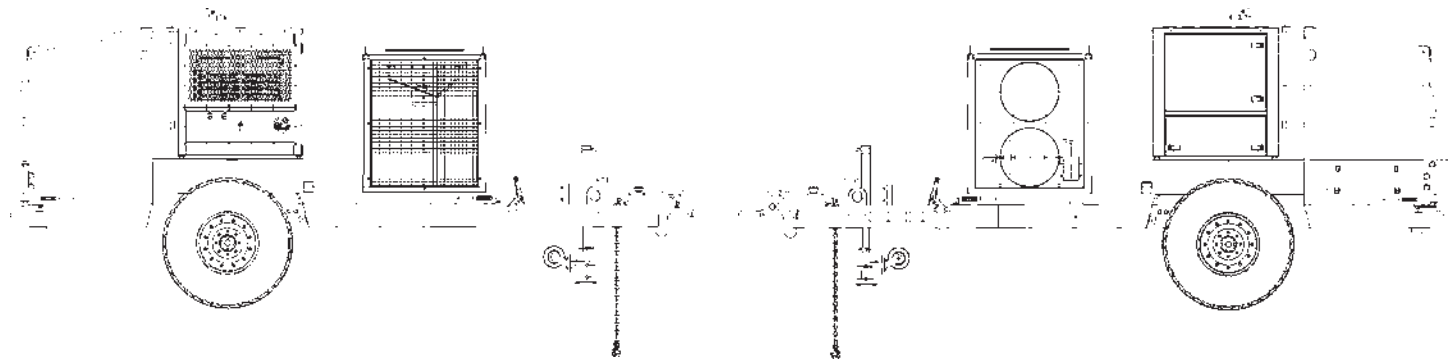
INSTRUCTIONS

Use this document to perform an audit of your HDT TMSS to identify any missing, damaged or worn parts and to ensure that your system is fully mission capable. Damaged parts can be ordered through HDT's Aftermarket Program.

Do not complete this checklist without having viewed the technical manual for your unit. If the manual is missing, you may request a free replacement by emailing the unit's serial number to techsupport@hdtglobal.com. If your unit requires parts that are not covered in this Level 1 document, contact your HDT Field Service Representative or call HDT Global at 800.969.8527.

Date Of Inspection: _____ Serial Number of Unit: _____

Build Date: _____ Hours of Use: _____ Initials of Inspector: _____



TRAILER INSPECTION

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Trailer Tongue		Repair Replace Clean			
Trailer Tongue Security		Repair Replace Clean			
Breakaway Chain		Repair Replace Clean			
Brake Actuator		Repair Replace Clean			
Lockout Pin		Repair Replace Clean			
Master Cylinder		Repair Replace Clean			
Trailer Wiring Harness		Repair Replace Clean			
Safety Chains		Repair Replace Clean			
Data Plates		Repair Replace Clean			
Trailer Tongue Jack		Repair Replace Clean			
Trailer Tongue Jack Sleeve		Repair Replace Clean			

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Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Trailer Jack Wheel Dolly		Repair Replace Clean			
Trailer Jack Wheel Dolly Pins		Repair Replace Clean			
Front Trailer Tie Downs		Repair Replace Clean			
Trailer Level Bubble		Repair Replace Clean			
Trailer A-Frame Crossmembers		Repair Replace Clean			
Trailer A-Frame Side Frame		Repair Replace Clean			
Trailer Top Crossbar Assembly		Repair Replace Clean			
Front Reflectors		Repair Replace Clean			
Ground Connection Stud		Repair Replace Clean			
Handbrake Cables		Repair Replace Clean			
Handbrake "P" Clamps		Repair Replace Clean			
Trailer Cargo Net		Repair Replace Clean			
Tailgate, Velcro Straps And Pins		Repair Replace Clean			
Rear Trailer Tie Downs		Repair Replace Clean			
Trailer Bed		Repair Replace Clean			
Rear Reflectors		Repair Replace Clean			
Tail Lights		Repair Replace Clean			
Trailer BII / Cargo Doors		Repair Replace Clean			
Fuel Door and Latch		Repair Replace Clean			
Fuel Cap		Repair Replace Clean			
Fuel Gauge		Repair Replace Clean			
Diesel Fuel Placard		Repair Replace Clean			
Fuel Tank Drain Placard		Repair Replace Clean			
Coolant Drain Placard		Repair Replace Clean			

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Lube Oil Drain Placard		Repair Replace Clean			
Fuel Supply Valve Placard		Repair Replace Clean			
Aux. Fuel Supply Placard		Repair Replace Clean			
ECU Enclosure Mounting		Repair Replace Clean			
Fuel Tank / Lines		Repair Replace Clean			
Aux. Fuel Supply Quick Disconnect		Repair Replace Clean			
Fuel Tank Drain Valve		Repair Replace Clean			
ECU Power Cable		Repair Replace Clean			
ECU "P" Clamps		Repair Replace Clean			
Hydraulic Brake Lines Fittings / Connectors		Repair Replace Clean			
Brake Line Clamps		Repair Replace Clean			
Brake Wheel Cylinders		Repair Replace Clean			
Park Brake Cables		Repair Replace Clean			
Trailer Axle		Repair Replace Clean			
Trailer Bed Mounts		Repair Replace Clean			
Trailer Bed Mounting Bolts		Repair Replace Clean			
Trailer Wiring Harness "P" Clamps		Repair Replace Clean			
Genset Enclosure Mounting		Repair Replace Clean			
LS Tire Pressure Placard		Repair Replace Clean			
RS Tire Pressure Placard		Repair Replace Clean			
Rear Stabilizer Leveling Legs – 2 Each		Repair Replace Clean			
Trailer Tarp		Repair Replace Clean			

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ENGINE OPERATIONAL CHECK

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Engine Startup		Repair Replace Clean			
Preheat Switch Ops Check		Repair Replace Clean			
Emergency Stop Ops Check		Repair Replace Clean			
Battery Charge Volt Meter 28v DC		Repair Replace Clean			
Water Temp Gauge 170-200°		Repair Replace Clean			
Engine Hours Meter (Note Time)		Repair Replace Clean			
Oil Pressure Gauge 20-60 PSI		Repair Replace Clean			
DC Volts Indicator		Repair Replace Clean			
Hertz Indicator 60.5 Steady		Repair Replace Clean			
Kilowatt Indicator		Repair Replace Clean			
AC Volts Indicator 208-211v AC		Repair Replace Clean			
Panel Lights		Repair Replace Clean			
Ammeter / Voltmeter		Repair Replace Clean			
Hi Coolant Temp Fault Light		Repair Replace Clean			
Overspeed Fault Light		Repair Replace Clean			
Low Oil Pressure Fault Light		Repair Replace Clean			
Engine Fluid Leaks		Repair Replace Clean			
Coolant Drain Placard		Repair Replace Clean			
Lube Oil Drain Placard		Repair Replace Clean			
Fuel Supply Valve Placard		Repair Replace Clean			
Aux. Fuel Supply Placard		Repair Replace Clean			

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
ECU Enclosure Mounting		Repair Replace Clean			
Fuel Tank / Lines		Repair Replace Clean			
Aux Fuel Supply Quick Disconnect		Repair Replace Clean			
Fuel Tank Drain Valve		Repair Replace Clean			

POWER CONTROL PANEL OPS CHECK

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
CB 1 Ops Check		Repair Replace Clean			
CB 2 Ops Check		Repair Replace Clean			
CB 3 Ops Check		Repair Replace Clean			
CB 4 Ops Check		Repair Replace Clean			
CB 5 Ops Check		Repair Replace Clean			
J1 Power Light Check		Repair Replace Clean			
J2 Power Light Check		Repair Replace Clean			
J3 Power Light Check		Repair Replace Clean			
J4 Power Light Check		Repair Replace Clean			
J1 Output Readings		Repair Replace Clean			
J2 Output Readings		Repair Replace Clean			
J3 Output Readings		Repair Replace Clean			
J4 Output Readings		Repair Replace Clean			
Power Connector Lights		Repair Replace Clean			

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ENGINE FUEL-FIRED HEATER OPS CHECK

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
System Start-Up		Repair Replace Clean			
Operation		Repair Replace Clean			
Shut Down		Repair Replace Clean			
Fuel Filter		Repair Replace Clean			

ENGINE / GENERATOR INSPECTION

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Oil Level		Repair Replace Clean			
Antifreeze Level		Repair Replace Clean			
Fuel Level		Repair Replace Clean			
Oil Filter		Repair Replace Clean			
Air Filter / Housing		Repair Replace Clean			
Fuel Filter		Repair Replace Clean			
Engine Fan Belt		Repair Replace Clean			
Hose and Clamps – Fuel System		Repair Replace Clean			
Hoses and Clamps – Coolant System		Repair Replace Clean			
Hoses and Clamps – Exhaust System		Repair Replace Clean			
Hoses and Clamps – Induction System		Repair Replace Clean			
Engine and Generator Flywheel Bolts		Repair Replace Clean			
Engine and Generator Housing Bolts		Repair Replace Clean			
Engine and Generator Case Bolts		Repair Replace Clean			
Battery Security		Repair Replace Clean			
Battery Cables		Repair Replace Clean			
Battery Quick Disconnect		Repair Replace Clean			

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Gen. Wiring Harness Security		Repair Replace Clean			
Gen. Wiring Harness Serviceability		Repair Replace Clean			
Gen. Wiring Harness Installation		Repair Replace Clean			
Engine Fan		Repair Replace Clean			
Engine Fan Shroud		Repair Replace Clean			
K1, K2, And K3 Solenoids		Repair Replace Clean			
Coolant Overflow Bottle / Hose		Repair Replace Clean			
Low Pressure Cut-off Switch		Repair Replace Clean			
Oil Send Unit		Repair Replace Clean			
Magnetic Pick-Up		Repair Replace Clean			
Fuel Pump and Actuator		Repair Replace Clean			
Temp. Gauge Send Unit		Repair Replace Clean			
Engine Starter Wiring		Repair Replace Clean			
Hi-Temp Cut-Off		Repair Replace Clean			
Engine Oil and Coolant		Repair Replace Clean			
Engine Wire Harness		Repair Replace Clean			
Genset Enclosure 5/16" Fasteners		Repair Replace Clean			
Genset Doors		Repair Replace Clean			
Genset Latches		Repair Replace Clean			
Engine Leaks, Fuel, Oil Coolants		Repair Replace Clean			
Acoustical Materials		Repair Replace Clean			

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Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Exhaust System Complete		Repair Replace Clean			
Air Cleaner Assembly		Repair Replace Clean			

ENGINE CONTROL PANEL INSPECTION

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Amp Meter Security / Svc		Repair Replace Clean			
Hertz Meter Security / Svc T260212		Repair Replace Clean			
kW Meter Security / Svc		Repair Replace Clean			
AC Voltmeter Security / Svc		Repair Replace Clean			
DC Voltmeter Security / Svc		Repair Replace Clean			
Water Temp Gauge Security / Svc		Repair Replace Clean			
Hour Meter Security / Svc		Repair Replace Clean			
Oil Pressure Gauge Security / Svc		Repair Replace Clean			
Battery Charge Amp Gauge Security / Svc		Repair Replace Clean			
Hi Coolant Temp Indicator Light		Repair Replace Clean			
Overspeed Indicator Light		Repair Replace Clean			
Low Oil Pressure Indicator Light		Repair Replace Clean			
Panel Lights		Repair Replace Clean			
Engine Start Switch		Repair Replace Clean			
Ammeter / Voltmeter, all 3 phases		Repair Replace Clean			

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Engine Heater		Repair Replace Clean			
Emergency Stop / Placard		Repair Replace Clean			
CB1 / J1 Circuit Breaker Security		Repair Replace Clean			
CB2 / J2 Circuit Breaker Security		Repair Replace Clean			
CB3 / J3 Circuit Breaker Security		Repair Replace Clean			
CB4 / J4 Circuit Breaker Security		Repair Replace Clean			
CB5 Generator		Repair Replace Clean			
Instrument Panel Wiring Schematic		Repair Replace Clean			
Gen. / ECU Stop and Start Procedures		Repair Replace Clean			
Fuel Fired Heater Op Procedures		Repair Replace Clean			
Diesel Engine Maintenance		Repair Replace Clean			
Fuel-Fired Heater Fault Codes		Repair Replace Clean			
Fuel-Fired Heater Wiring Schematic		Repair Replace Clean			
Emergency Shutdown		Repair Replace Clean			
Battle Short		Repair Replace Clean			
Engine Heater		Repair Replace Clean			
J1 Connector and Test Light, ECU Power		Repair Replace Clean			
J2 Connector and Test Light, 120v/20a		Repair Replace Clean			
J3 Connector and Test Light, 120v/20a		Repair Replace Clean			

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Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
J4 Connector and Test Light, 120v/208v, 30a		Repair Replace Clean			
J5 Connector and Test Light, Battery Charge		Repair Replace Clean			
J6 Connector, NATO Slave		Repair Replace Clean			
Engine Control Panel Screws		Repair Replace Clean			
Control Panel and Components Wiring		Repair Replace Clean			
Control Panel Security		Repair Replace Clean			
Watts Transducer		Repair Replace Clean			
Fuses F1-F9		Repair Replace Clean			
K7 Relay		Repair Replace Clean			
Time Delay		Repair Replace Clean			
K4, K5, K6 Relays – T260631		Repair Replace Clean			
Voltage Regulator		Repair Replace Clean			
Speed Control		Repair Replace Clean			
Governor Controller		Repair Replace Clean			
TB #1 Security Wiring		Repair Replace Clean			
Battery Switch		Repair Replace Clean			

ECU AND FUEL-FIRED HEATER OPS CHECK

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
ECU Ops Check		Repair Replace Clean			
Fan Mode		Repair Replace Clean			
Heat Mode, LHT And HHT		Repair Replace Clean			
Cool Mode		Repair Replace Clean			
Condensation Drain		Repair Replace Clean			
Fuel Fired Heater		Repair Replace Clean			

ECU ENCLOSURE / HOUSING

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Power Cable and Cable Grommet		Repair Replace Clean			
Rivets		Repair Replace Clean			
Doors		Repair Replace Clean			
Latches – 62-74-25		Repair Replace Clean			
ECU Placards		Repair Replace Clean			
High / Low Pressure Refrig. Port Caps		Repair Replace Clean			
Loose Bolts, Missing Hardware		Repair Replace Clean			
Lifting Eyes		Repair Replace Clean			
Evap Panel		Repair Replace Clean			

ECU INSPECTION

Item	Fault Description	Parts / Repair Required	Corrective Action	Hours	Tech
Housing		Repair Replace Clean			
Ground Rod Cable And Connections		Repair Replace Clean			
Heater / Evaporator Housing		Repair Replace Clean			
Evaporator Belt 031t108		Repair Replace Clean			
Evaporator Motor		Repair Replace Clean			
Heater Element		Repair Replace Clean			
Evaporator		Repair Replace Clean			
Condenser Housing		Repair Replace Clean			
Compressor		Repair Replace Clean			
Condenser Motor		Repair Replace Clean			
Condenser Belt		Repair Replace Clean			
Condenser Fan Bearings		Repair Replace Clean			
Condenser Coils		Repair Replace Clean			
Refrigerant		Repair Replace Clean			
Control Panel		Repair Replace Clean			
Thermostat		Repair Replace Clean			
Cool		Repair Replace Clean			
Sight Glass		Repair Replace Clean			

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