



Mi-T-M[®]
C O R P O R A T I O N

Performance Under Pressure.[®]

FLAT RATE MANUAL

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Instructions for Use

1. Use the Table of Contents to find page and applicable product line for the repair.
2. Fill in the appropriate product line category on the Warranty Claim Form.
3. If there is no corresponding labor time, consult the Mi-T-M Technical Service Department. DO NOT arbitrarily fill in flat rate amount.
4. If requested on the Warranty Claim Form, you are eligible for 0.1 hour as reimbursement for processing each claim.
5. "R & R" means remove and replace.

Introduction

This Flat Rate Manual is provided to the Servicing Dealer as a method of calculating Warranty Claims as well as determining fair and reasonable repair charges to customers.

The rates in this manual are based on time required by skilled Service Technicians to make repairs, rates also take into consideration ready access to both standard and special tools as prescribed by Mi-T-M Corporation.

An attempt has been made in the development of this manual to list as many repairs as possible. However, should you encounter a situation that is not identified in this manual, contact the Mi-T-M Technical Service Department at the factory in Peosta, Iowa.

Every effort has been taken to ensure that all information is accurate at the date of publication. As we are improving products however, the information contained in this manual is subject to change.

Mi-T-M Corporation Technical Service Department Contact Information

For questions contact the Technical Service Department at 1-800-553-9053.

PRESSURE WASHERS

Cold and Hot Water Pressure Washer Equipment Repairs

Repair Job Description	Repair Time (hrs)	Repair Job Description	Repair Time (hrs)	Repair Job Description	Repair Time (hrs)
24VAC Relay R & R	0.3	Fuel Pump Coupler R & R	0.5	Rubber Isolator R & R	0.2
24V Relay Base R & R	0.5	Fuel Pump R & R	0.5	Soap Solenoid R & R	0.5
3-Position Switch R & R	0.5	Fuel Solenoid Valve R & R	0.5	Soap Switch R & R	0.3
Axial Plate R & R	0.5	Fuel Tank Cleaning R & R	0.4	Shaft Keyway R & R	0.5
Axle R & R	0.4	Fuel Tank R & R	0.5	Solenoid Coil R & R	0.3
Base Plate R & R**	0.5	Fuel/Water Separator R & R	0.5	Spun Dome R & R	0.4
Belt Guard R & R	0.5	Gas Valve R & R	1.0	Start/Stop Button R & R	0.5
Belt Tensioner R & R	0.5	Generator R & R*	1.0	Stator Coil R & R**	1.0
Belts R & R	0.5	GFCI/Cord R & R	0.5	Step-Down X'Former R & R	0.5
Boiler R & R	1.5	Handle R & R	0.2	Strainer R & R	0.1
Burner Coil R & R	1.0	Heat Dump Valve R & R	0.2	Temp. Gauge R & R	0.4
Burner Flywheel R & R	1.0	Hex Cap R & R	0.2	Temp. Switch R & R	0.5
Burner Head R & R	0.5	High Limit Switch R & R	0.5	Throttle Control R & R	0.5
Burner R & R	0.6	High Pressure Hose R & R	0.1	Tightener Bracket R & R	0.5
Burner Installation R & R	1.2	Hour Meter R & R	0.3	Timer R & R	0.3
Burner Motor R & R	0.5	Ignition Coil R & R	0.7	Timer Base R & R	0.5
Burner Switch R & R	0.5	Ignition Control R & R	0.5	Trigger Gun R & R	0.2
Burner/ASP Ring R & R**	1.0	Ignition/X'Former R & R	0.5	Under Bracket R & R	0.3
Bypass/Inlet Hose R & R	0.2	Ignitor R & R	0.4	Unloader R & R	0.5
Cad Cell Relay R & R	0.5	Inlet Fitting R & R	0.2	Unloader/Coil Hose R & R	0.3
Cad Cell Sensor R & R	0.5	LP Regulator R & R	0.3	Valve Cap R & R	0.2
Capacitor R & R	0.3	Magnetic Starter R & R	0.5	Valve Kit R & R	0.5
Chemical Line R & R	0.1	Metering Valve R & R	0.3	Venturi Assembly R & R	0.3
Circuit Breaker R & R	0.3	Motor R & R*	1.0	Wand R & R	0.2
Coil/Outlet Hose/Pipe R & R	0.2	Needle Valve R & R	0.5	Water Strainer R & R	0.2
Contactors R & R	0.5	Nozzle Line Assembly R & R	0.4	Wheel R & R	0.2
Crankcase Cover R & R	0.3	Oil Seal-Crankshaft R & R**	0.5		
Crankcase Gasket/Seal R & R	0.3	Oil Sight Glass R & R	0.2		
Crankshaft Bearing R & R**	0.7	On/Off Switch R & R	0.5		
Discharge Fitting R & R	0.2	Packing Kit R & R	0.5		
Drive Coupler R & R	0.5	Panel Gauge or Meter R & R	0.4		
Easy Start Valve R & R	0.3	Panel Lights R & R	0.3		
E.M.F. Complete R & R**	1.0	Piston Oil Seals R & R	0.7		
Electrodes R & R	0.5	Piston Screw R & R	0.5		
Engine R & R*	1.0	Plunger R & R	0.5		
Flame Sensor R & R	0.3	Pop-off Valve R & R	0.2		
Float Tank Cleaning R & R	0.2	Pressure Switch R & R	0.3		
Float Tank R & R	0.5	Pulley Bushing R & R	0.5		
Float Valve R & R	0.5	Pulley R & R	0.7		
Flow Switch R & R	0.5	Pump R & R	1.0		
Fluid End (Head) R & R	0.5	Pump/Manifold Hose R & R	0.3		
Fuel Line R & R	0.2	Pump Switch R & R	0.3		
Fuel Nozzle R & R*	0.4	Pump Mounting Flange R & R	0.5		
Fuel Pump Bracket R & R	0.5	Quick Coupling R & R*	0.2		

*This item expressly excluded under the terms set forth in the corresponding Statement of Warranty.

**This item is considered a "Major Repair" and requires pre-authorization from the factory.

Electric and Gasoline Air Compressor Equipment Repairs

Repair Job Description	Repair Time (hrs)
Aftercooler R & R	0.5
Air Filter R & R	0.1
Axle R & R	0.2
Ball Valve R & R	0.2
Belt R & R	0.2
Belt Guard R & R	0.2
Compressor Pump R & R**	1.0
Connecting Rod R & R**	0.5
Crankcase R & R	N/A
Crankshaft R & R	N/A
Cylinder Body R & R	0.5
Cylinder Gasket R & R	0.5
Cylinder Head R & R	0.5
Dipstick R & R	0.1
Drain Valve R & R	0.3
Engine R & R*	1.0
Flywheel R & R	0.3
Handle Grips R & R	0.2
Intercooler R & R	0.5
Motor R & R*	1.0
Outlet Fitting R & R	0.2
Pilot Unloader R & R	0.5
Piston R & R	0.7
Piston Rings R & R	0.7
Pressure Gauge R & R	0.3
Pressure Hose R & R	0.3
Pressure Line/Copper R & R	0.3
Pressure Regulator R & R	0.5
Pressure Relief R & R	0.3
Pressure Switch R & R	0.5
Pulley R & R	0.3
Receiving Tanks R & R**	1.0
Rubber Isolator R & R	0.5
Tank Check Valve R & R	0.3
Throttle Control R & R	0.5
Valve Plate Assembly R & R	0.5
Valves R & R	0.5
Wheel R & R	0.2

**This item expressly excluded under the terms set forth in the corresponding Statement of Warranty.*

***This item is considered a "Major Repair" and requires pre-authorization from the factory.*

COMBINATION UNITS

Air Compressor/Generator Combination and Air Compressor/Generator/Welder Combination Equipment Repairs

Repair Job Description	Repair Time (hrs)	Repair Job Description	Repair Time (hrs)
Aftercooler R & R	0.5	Intercooler R & R	0.5
Air Filter R & R	0.1	Motor R & R*	0.5
Alternator R & R	1.0	Muffler R & R	0.5
Axle R & R	0.2	Outlet Fitting R & R	0.2
Ball Valve R & R	0.2	Outlets R & R	0.5
Belt R & R	0.2	Pilot Unloader R & R	0.5
Belt Guard R & R	0.2	Piston R & R	0.7
Circuit Breaker R & R	0.5	Piston Rings R & R	0.7
Compressor Pump R & R**	1.0	Power Supply R & R	0.5
Connecting Rod R & R**	0.5	Pressure Gauge R & R	0.3
Crankcase R & R	N/A	Pressure Hose R & R	0.3
Crankshaft R & R	1.0	Pressure Line/Copper R & R	0.3
Cylinder Body R & R	0.5	Pressure Regulator R & R	0.5
Cylinder Gasket R & R	0.5	Pressure Relief R & R	0.3
Cylinder Head R & R	0.5	Pressure Switch R & R	0.5
Dipstick R & R	0.1	Pulley R & R	0.3
Drain Valve R & R	0.3	Receiving Tanks R & R**	1.0
Engine R & R*	0.5	Rubber Isolator R & R	0.5
Flywheel R & R	0.3	Throttle Control R & R	0.5
Frame R & R	2.0	Valve Plate Assembly R & R	0.5
Handle Grips R & R	0.2	Valves R & R	0.5
Idle Board R & R	0.5	Wheel R & R	0.2
Idle Solenoid R & R	0.5		

**This item expressly excluded under the terms set forth in the corresponding Statement of Warranty.*

***This item is considered a "Major Repair" and requires pre-authorization from the factory.*

**Gasoline and Diesel Portable Generator
Equipment Repairs**

Repair Job Description	Repair Time (hrs)
Alternator R & R	1.0
Circuit Breaker R & R	0.5
Engine R & R*	1.0
Frame R & R**	2.0
Fuel Shut-off R & R	0.3
Fuel Tank R & R	0.7
Hour Meter R & R	0.5
Idle Board R & R	0.5
Idle Solenoid R & R	0.5
Isolator Mounts R & R	0.5
Muffler R & R	0.5
Outlet R & R	0.5
Wheel R & R	0.2
Volt Meter R & R	0.5

**This item expressly excluded under the terms set forth in the corresponding Statement of Warranty.*

***This item is considered a "Major Repair" and requires pre-authorization from the factory.*

**Kerosene Forced Air, Propane Forced Air, Indirect,
Direct, Convection and Radiant
Equipment Repairs**

Repair Job Description	Repair Time (hrs)
Air Line/Fuel Line R & R	0.5
Axle R & R	0.3
Burner Head R & R	0.5
Capacitor R & R	0.3
Combustion Chamber R & R	1.0
Fan Guard R & R	0.3
Fuel Filter R & R	0.3
Fuel Nozzle R & R	0.5
Fuel Tank R & R *	1.0
Gauge R & R	0.2
Handle R & R	0.3
Hose Barb R & R	0.3
Igniter/Spark Plug R & R	0.5
Ignition Transformer R & R	1.0
Main PCB R & R	0.5
Motor Fan R & R	0.3
Motor Pump Assembly R & R	0.5
Rotor Assembly R & R	0.5
Temp. Sensor Wire R & R	0.4
Top Shell R & R	0.3
Wheel R & R	0.2
Wheel Support Frame R & R	0.3

**This item expressly excluded under the terms set forth in the corresponding Statement of Warranty.*

Semi-Trash & Centrifugal Pumps
Equipment Repairs

Repair Job Description	Repair Time (hrs)
Check Valve Inlet R & R	0.25
Diffuser R & R	0.5
Engine Flange R & R	0.75
Engine R & R	1.0
Frame R & R	1.0
Gasket-Pump Discharge R & R	0.3
Impeller R & R	0.5
Inlet Flange R & R	0.25
Mechanical Seal R & R	0.75
Outlet Flange R & R	0.3
Pump Body R & R	0.5
Pump R & R	1.0
Shaft Key R & R	0.5



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