



Performance Under Pressure.®

FLATRATE MANUAL

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INSTRUCTIONS FOR USE

1. Use the Table of Contents to find page and applicable group number for the repair.
2. Refer to proper group and find corresponding code number(s) for the job and fill in appropriate box on Warranty Claim.
3. If there is no corresponding labor code, consult Service Department at Mi-T-M® Corporation.
DO NOT arbitrarily fill in flat rate.
4. If requested on the Warranty Claim Form, you are eligible for .1 hour as reimbursement for processing each claim.
5. "R&R" means remove and replace. "O.H." means overhaul.

INTRODUCTION

This Flatrate Manual is provided to the service 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 using and having ready access to both standard and special tools as prescribed by Mi-T-M.

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 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.

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

Steve Cleary, Service and Parts Manager, Ext. 224

Scott Schiffer, Technical Service Assistant, Ext. 212

Kevin Gassmann, Technical Service Assistant, Ext. 209

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COLD WATER • GROUP 1 • PUMPS & PUMP COMPONENTRY

Job Description	Cold Water Direct Drive		Cold Water Belt Drive		ChoreMaster Electric		ChoreMaster Gasoline	
	Code	Time	Code	Time	Code	Time	Code	Time
Pump R & R **	CD-101	1.0	CW-101	1.0	N/A	N/A	CM-101	1.0
Fluid End (Head)	CD-102	0.5	CW-102	0.5	CV-102	0.5	CM-102	0.5
Hex Cap	CD-103	0.2	CW-103	0.2	CV-103	0.2	CM-103	0.2
Oil Seal - Crankshaft	CD-104	0.5	CW-104	0.5	N/A	N/A	CM-104	0.5
Oil Sight Glass	CD-105	0.2	CW-105	0.2	CV-105	0.2	CM-105	0.2
Plunger R & R	CD-106	0.5	CW-106	0.5	CV-106	0.5	CM-106	0.5
Piston Oil Seals	CD-107	0.7	CW-107	0.7	CV-107	0.5	CM-107	0.5
Piston Guides **	N/A	N/A	CW-108	1.5	N/A	N/A	N/A	N/A
Crankshaft R & R **	CD-109	1.5	CW-109	1.5	N/A	N/A	N/A	N/A
Valve Kit R & R *	CD-110	0.5	CW-110	0.5	CV-110	0.5	CM-110	0.5
Packing Kit R & R *	CD-111	0.5	CW-111	0.5	CV-111	0.5	CM-111	0.5
Crankcase Cover R & R	CD-112	0.3	CW-112	0.3	N/A	N/A	CM-112	0.3
Connecting Rods **	CD-113	1.5	CW-113	1.5	N/A	N/A	CM-113	1.5
Piston Screw R & R	CD-114	0.5	CW-114	0.5	N/A	N/A	CM-114	0.5
Crankcase Gasket/Seal	CD-115	0.3	CW-115	0.3	N/A	N/A	CM-115	0.3
Crankshaft Bearing	CD-116	0.5	CW-116	0.5	CV-116	0.5	CM-116	0.5
Axial Plate	N/A	N/A	N/A	N/A	CV-117	0.5	N/A	N/A
Crankcase	CD-118	1.0	CW-118	1.0	CV-118	0.5	CM-118	0.5
Pump Mounting Flange	CD-119	0.5	N/A	N/A	N/A	N/A	CM-119	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.

COLD WATER • GROUP 2 • FLUID COMPONENTRY & CONTROLS

Job Description	Cold Water Direct Drive		Cold Water Belt Drive		ChoreMaster Electric		ChoreMaster Gasoline	
	Code	Time	Code	Time	Code	Time	Code	Time
Unloader R & R	CD-201	0.5	CW-201	0.5	CV-201	0.5	CM-201	0.5
Unloader O.H.	CD-202	0.5	CW-202	0.5	N/A	N/A	CM-202	0.5
Water Strainer	CD-203	0.1	CW-203	0.2	CV-203	0.1	CM-203	0.1
Heat Dump Valve	CD-204	0.2	CW-204	0.2	N/A	N/A	CM-204	0.2
Trigger Gun R & R	CD-205	0.2	CW-205	0.2	CV-205	0.2	CM-205	0.1
Wand R & R	CD-206	0.2	CW-206	0.2	CV-206	0.2	CM-206	0.2
Pressure Gauge R & R	CD-207	0.2	CW-207	0.2	CV-207	0.5	CM-207	0.5
Discharge Fitting	CD-208	0.2	CW-208	0.2	CV-208	0.4	CM-208	0.2
Inlet Fitting R & R	CD-209	0.2	CW-209	0.2	CV-209	0.5	CM-209	0.2
Quick Coupling R & R *	CD-210	0.2	CW-210	0.2	CV-210	0.2	CM-210	0.2
Inlet Connector R & R	CD-211	0.2	CW-211	0.2	CV-211	0.2	CM-211	0.2
Bypass Hose R & R	CD-212	0.2	CW-212	0.2	N/A	N/A	N/A	N/A
Pump - Manifold Hose	N/A	N/A	CW-213	0.2	N/A	N/A	N/A	N/A
High Pressure Hose	CD-214	0.1	CW-214	0.1	CV-214	0.1	CM-214	0.1
Easy Start Valve	N/A	N/A	CW-215	0.5	N/A	N/A	N/A	N/A
Burst Disk R & R	N/A	N/A	CW-216	0.2	N/A	N/A	N/A	N/A

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

COLD WATER • GROUP 3 • DRIVE COMPONENTRY

<i>Job Description</i>	Cold Water Direct Drive		Cold Water Belt Drive		ChoreMaster Electric		ChoreMaster Gasoline	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Shaft Keyway R & R	CD-301	0.5	CW-301	0.5	N/A	N/A	CM-301	0.5
Engine R & R *	CD-302	1.0	CW-302	1.0	N/A	N/A	CM-302	1.0
Motor R & R *	CD-303	0.7	CW-303	1.0	CV-303	0.7	N/A	N/A
Pulley R & R	N/A	N/A	CW-304	0.5	N/A	N/A	N/A	N/A
Belts R & R	N/A	N/A	CW-305	0.3	N/A	N/A	N/A	N/A
Drive Coupler	CD-306	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Gear Reduction **	N/A	N/A	CW-307	1.0	N/A	N/A	N/A	N/A
Pulley Bushing R & R	N/A	N/A	CW-308	0.5	N/A	N/A	N/A	N/A

* This item is 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.

COLD WATER • GROUP 4 • FRAMES & GUARDS

<i>Job Description</i>	Cold Water Direct Drive		Cold Water Belt Drive		ChoreMaster Electric		ChoreMaster Gasoline	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Base Plate R & R **	CD-401	0.5	CW-401	2.0	N/A	N/A	CM-401	0.5
Belt Guard R & R	N/A	N/A	CW-402	0.3	N/A	N/A	N/A	N/A
Handle R & R	CD-403	0.2	CW-403	0.5	N/A	N/A	CM-403	0.2
Axle R & R	CD-404	0.2	CW-404	0.5	N/A	N/A	N/A	N/A
Rubber Isolator R & R	CD-405	0.2	CW-405	0.2	CV-405	0.2	CM-405	0.2
Under Bracket	CD-406	0.3	CW-406	0.3	N/A	N/A	N/A	N/A
Pump Riser	N/A	N/A	CW-407	1.0	N/A	N/A	N/A	N/A
Wheel R & R	CD-408	0.2	CW-408	0.2	CV-408	0.2	CM-408	0.2
Side Cover R & R	N/A	N/A	N/A	N/A	CV-409	0.3	N/A	N/A

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

COLD WATER • GROUP 5 • SWITCHES & ELECTRICAL COMPONENTRY

<i>Job Description</i>	Cold Water Direct Drive		Cold Water Belt Drive		ChoreMaster Electric		ChoreMaster Gasoline	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
2-Position Switch	N/A	N/A	CW-501	0.5	N/A	N/A	N/A	N/A
On/Off Switch R & R	CD-502	0.5	N/A	N/A	CV-502	0.5	N/A	N/A
GFCI R & R	N/A	N/A	N/A	N/A	CV-503	0.5	N/A	N/A
Cord Assembly R & R	CD-504	0.5	CW-504	0.5	CV-504	0.5	N/A	N/A
Magnetic Starter R & R	N/A	N/A	CW-505	0.5	N/A	N/A	N/A	N/A
Magnetic Coil R & R	N/A	N/A	CW-506	0.3	N/A	N/A	N/A	N/A
"Heater" R & R	N/A	N/A	CW-507	0.2	N/A	N/A	N/A	N/A
Capacitor R & R	N/A	N/A	N/A	N/A	CV-508	0.5	N/A	N/A

COLD WATER • GROUP 6 • DETERGENT SYSTEM COMPONENTRY

<i>Job Description</i>	Cold Water Direct Drive		Cold Water Belt Drive		ChoreMaster Electric		ChoreMaster Gasoline	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Venturi Assembly R & R	CD-601	0.3	CW-601	0.3	CV-601	0.3	CM-601	0.3
Venturi Assy. Rebuild	CD-602	0.2	CW-602	0.2	CV-602	0.2	CM-602	0.2
Chemical Line R & R	CD-603	0.1	CW-603	0.1	CV-603	0.1	CM-603	0.1
Strainer R & R	CD-604	0.1	CW-604	0.1	CV-604	0.1	CM-604	0.1

HOT WATER • GROUP 1 • PUMPS & PUMP COMPONENTRY

<i>Job Description</i>	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Pump R & R **	HSE-101	1.0	HHS-101	1.0	HS-101	1.0	HSP-101	1.0	HG-101	1.0	HLP-101	1.0
Fluid End (Head)	HSE-102	0.5	HHS-102	0.5	HS-102	0.5	HSP-102	0.5	HG-102	0.5	HLP-102	0.5
Hex Cap	HSE-103	0.2	HHS-103	0.2	HS-103	0.2	HSP-103	0.2	HG-103	0.2	HLP-103	0.2
Oil Seal - Crankshaft**	HSE-104	0.5	HHS-104	0.5	HS-104	0.5	HSP-104	0.8	HG-104	0.5	HLP-104	0.5
Oil Sight Glass	HSE-105	0.2	HHS-105	0.2	HS-105	0.2	HSP-105	0.2	HG-105	0.2	HLP-105	0.2
Plunger R & R	HSE-106	0.5	HHS-106	0.5	HS-106	0.5	HSP-106	0.5	HG-106	0.5	HLP-106	0.5
Piston Oil Seals	HSE-107	0.7	HHS-107	0.7	HS-107	0.7	HSP-107	0.7	HG-107	0.7	HLP-107	0.7
Piston Guides **	HSE-108	1.5	HHS-108	1.5	HS-108	1.5	N/A	N/A	HG-108	1.5	HLP-108	1.5
Crankshaft R & R **	HSE-109	1.5	HHS-109	1.5	HS-109	1.5	HSP-109	1.5	HG-109	1.5	HLP-109	1.5
Valve Kit R & R *	HSE-110	0.5	HHS-110	0.5	HS-110	0.5	HSP-110	0.5	HG-110	0.5	HLP-110	0.5
Packing Kit R & R *	HSE-111	0.5	HHS-111	0.5	HS-111	0.5	HSP-111	0.5	HG-111	0.5	HLP-111	0.5
Crankcase Cover R & R	HSE-112	0.3	HHS-112	0.5	HS-112	0.3	HSP-112	0.5	HG-112	0.3	HLP-112	0.5
Connecting Rods **	HSE-113	1.5	HHS-113	1.5	HS-113	1.5	HSP-113	0.5	HG-113	1.5	HLP-113	1.5
Piston Screw R & R	HSE-114	0.5	HHS-114	0.5	HS-114	0.5	HSP-114	0.5	HG-114	0.5	HLP-114	0.5
Crankcase Gasket/Seal	HSE-115	0.3	HHS-115	0.3	HS-115	0.3	HSP-115	0.2	HG-115	0.3	HLP-115	0.3
Crankshaft Bearing **	HSE-116	0.7	HHS-116	0.7	HS-116	0.7	HSP-116	0.7	HG-116	0.7	HLP-116	0.7
Axial Plate R & R **	N/A	N/A	N/A	N/A	N/A	N/A	HSP-117	0.5	N/A	N/A	HLP-117	N/A

* 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.

HOT WATER • GROUP 2 • FLUID COMPONENTRY & CONTROLS

Job Description	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	Code	Time	Code	Time	Code	Time	Code	Time	Code	Time	Code	Time
Unloader R & R	HSE-201	0.5	HHS-201	0.5	HS-201	0.5	HSP-201	0.5	HG-201	0.5	HLP-201	0.5
Unloader	HSE-202	0.5	HHS-202	0.5	HS-202	0.5	HSP-202	0.5	HG-202	0.5	HLP-202	0.5
Water Strainer	HSE-203	0.2	HHS-203	0.1	HS-203	0.2	HSP-203	0.2	HG-203	0.2	HLP-203	0.1
Heat Dump Valve	HSE-204	0.2	HHS-204	0.2	N/A	N/A	HSP-204	0.2	N/A	N/A	HLP-204	0.2
Trigger Gun R & R	HSE-205	0.2	HHS-205	0.2	HS-205	0.2	HSP-205	0.2	HG-205	0.2	HLP-205	0.2
Wand R & R	HSE-206	0.2	HHS-206	0.2	HS-206	0.2	HSP-206	0.2	HG-206	0.2	HLP-206	0.2
Pressure Gauge R & R	HSE-207	0.2	HHS-207	0.2	HS-207	0.3	HSP-207	0.2	HG-207	0.3	N/A	N/A
Discharge Fitting	HSE-208	0.2	HHS-208	0.2	HS-208	0.2	HSP-208	0.2	HG-208	0.2	HLP-208	0.2
Inlet Fitting R & R	HSE-209	0.2	HHS-209	0.2	HS-209	0.2	HSP-209	0.2	HG-209	0.2	HLP-209	0.2
Quick Coupling R & R *	HSE-210	0.2	HHS-210	0.2	HS-210	0.2	HSP-210	0.2	HG-210	0.2	HLP-210	0.2
Inlet Connector R & R	HSE-211	0.2	HHS-211	0.2	HS-211	0.2	HSP-211	0.2	HG-211	0.2	HLP-211	0.2
Bypass/Inlet Hose	HSE-212	0.2	HHS-212	0.2	HS-212	0.2	HSP-212	0.2	HG-212	0.2	HLP-212	0.2
Pump/Manifold Hose	N/A	N/A	N/A	N/A	HS-213	0.2	HSP-213	0.2	HG-213	0.2	N/A	N/A
High Pressure Hose	HSE-214	0.1	HHS-214	0.1	HS-214	0.1	HSP-214	0.1	HG-214	0.1	HLP-214	0.1
Hose Clamp R & R	HSE-215	0.2	HHS-215	0.2	HS-215	0.2	N/A	N/A	HG-215	0.2	HLP-215	0.2
Pop-off Valve R & R	HSE-216	0.2	HHS-216	0.2	HS-216	0.2	HSP-216	0.2	HG-216	0.2	HLP-216	0.2
Needle Valve R & R	N/A	N/A	HHS-217	0.3	HS-217	0.3	N/A	N/A	HG-217	0.3	N/A	N/A
Temp. Gauge R & R	N/A	N/A	N/A	N/A	HS-218	0.3	N/A	N/A	HG-218	0.3	N/A	N/A
Float Tank R & R	HSE-219	0.5	HHS-219	0.5	HS-219	0.5	HSP-219	0.5	HG-219	0.5	N/A	N/A
Float Tank Cleaning	HSE-220	0.2	HHS-220	0.2	HS-220	0.2	HSP-220	0.2	HG-220	0.2	N/A	N/A
Float Valve R & R	HSE-221	0.3	HHS-221	0.3	HS-221	0.3	HSP-221	0.3	HG-221	0.3	N/A	N/A
Unloader/Coil Hose	HSE-222	0.2	HHS-222	0.2	HS-222	0.2	HSP-222	0.4	HG-222	0.2	HLP-222	0.2
Coil/Outlet Hose/Pipe	HSE-223	0.2	HHS-223	0.2	HS-223	0.2	HSP-223	0.2	HG-223	0.2	HLP-223	0.2
Burst Disk R & R	HSE-224	0.5	N/A	N/A	N/A	N/A	HSP-224	0.5	N/A	N/A	N/A	N/A

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

HOT WATER • GROUP 3 • DRIVE COMPONENTRY

<i>Job Description</i>	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Pulley R & R	HSE-301	0.7	HHS-301	0.7	HS-301	0.7	HSP-301	0.7	HG-301	0.7	HLP-301	0.7
Belts R & R	HSE-302	0.5	HHS-302	0.5	HS-302	0.5	HSP-302	0.5	HG-302	0.5	HLP-302	0.5
Pulley Bushing R & R	HSE-303	0.6	HHS-303	0.6	HS-303	0.6	HSP-303	0.6	HG-303	0.6	HLP-303	0.6
Shaft Keyway R & R	HSE-304	0.5	HHS-304	0.5	HS-304	0.5	HSP-304	0.5	HG-304	0.5	HLP-304	0.5
Engine R & R *	N/A	N/A	N/A	N/A	HS-305	1.0	HSP-305	1.0	N/A	N/A	N/A	N/A
Motor R & R *	HSE-306	1.0	HHS-306	1.0	N/A	N/A	N/A	N/A	HG-306	1.0	HLP-306	1.0
Belt Tensioner	N/A	N/A	N/A	N/A	N/A	N/A	HSP-307	0.5	N/A	N/A	N/A	N/A

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

HOT WATER • GROUP 4 • FRAMES & GUARDS

<i>Job Description</i>	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Base Plate R & R **	N/A	N/A	HHS-401	2.0	HS-401	2.0	N/A	N/A	HG-401	2.0	N/A	N/A
Belt Guard R & R	HSE-402	0.5	HHS-402	0.5	HS-402	0.5	HSP-402	0.5	N/A	N/A	N/A	N/A
Handle R & R	N/A	N/A	HHS-403	0.3	N/A	N/A	N/A	N/A	N/A	N/A	HLP-403	0.2
Axle R & R	N/A	N/A	HHS-404	0.3	N/A	N/A	HSP-404	0.2	N/A	N/A	HLP-404	0.2
Rubber Isolator R & R	N/A	N/A	N/A	N/A	HS-405	0.7	N/A	N/A	HG-405	0.5	N/A	N/A
Tube Frame R & R **	HSE-406	3.0	HHS-406	3.0	HS-406	3.0	HSP-406	3.0	N/A	N/A	HLP-406	2.0
Plastic Body R & R **	N/A	N/A	HHS-407	3.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tightener Bracket R & R	HSE-408	0.5	HHS-408	0.5	HS-408	0.5	HSP-408	0.5	HG-408	0.5	HLP-408	0.5
Wheel R & R	HSE-409	0.2	HHS-409	0.2	HS-409	0.2	HSP-409	0.2	N/A	N/A	HLP-409	0.2
Side Cover R & R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-410	0.3	HLP-410	0.1
Fuel Pump Bracket	N/A	N/A	N/A	N/A	N/A	N/A	HSP-411	0.5	N/A	N/A	N/A	N/A

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

HOT WATER • GROUP 5 • SWITCHES & ELECTRICAL COMPONENTRY

<i>Job Description</i>	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
3-Position Switch	HSE-501	0.5	HHS-501	0.5	N/A	N/A	HSP-501	0.5	N/A	N/A	HLP-501	0.5
On/Off Toggle R & R	N/A	N/A	HHS-502	0.2	HS-502	0.2	N/A	N/A	N/A	N/A	N/A	N/A
Cord Assembly R & R	HSE-503	0.5	HHS-503	0.5	N/A	N/A	N/A	N/A	N/A	N/A	HLP-503	0.5
Magnetic Starter R & R	HSE-504	0.5	HHS-504	0.5	N/A	N/A	N/A	N/A	HG-504	0.5	N/A	N/A
Magnetic Coil R & R	HSE-505	0.5	HHS-505	0.2	N/A	N/A	N/A	N/A	HG-505	0.2	N/A	N/A
"Heater" R & R	N/A	N/A	HHS-506	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator R & R *	N/A	N/A	N/A	N/A	HS-507	1.0	N/A	N/A	N/A	N/A	N/A	N/A
Burner Switch R & R	HSE-508	N/A	HHS-508	0.5	N/A	N/A	HSP-508	0.5	HG-508	0.5	HLP-508	0.5
Start/Stop Button	HSE-509	0.5	N/A	N/A	N/A	N/A	N/A	N/A	HG-509	0.5	N/A	N/A
Flow Switch R & R	N/A	N/A	HHS-510	0.5	HS-510	0.5	N/A	N/A	HG-510	0.5	N/A	N/A
Pressure Switch R & R	HSE-511	N/A	HHS-511	0.5	HS-511	0.5	HSP-511	0.5	HG-511	0.5	HLP-511	0.5
Temp. Switch R & R	HSE-512	0.5	HHS-512	0.5	HS-512	0.5	N/A	N/A	HG-512	0.5	N/A	N/A
High Limit Switch	HSE-513	0.5	HHS-513	0.5	HS-513	0.5	HSP-513	0.5	HG-513	0.3	HLP-513	0.3
Cad Cell Relay R & R	HSE-514	0.5	HHS-514	0.2	HS-514	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Cad Cell Sensor R & R	HSE-515	0.5	HHS-515	0.2	HS-515	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Temp. Probe R & R	N/A	N/A	HHS-516	0.2	HS-516	0.2	N/A	N/A	HG-516	0.2	N/A	N/A
Engine Kill Lever	N/A	N/A	N/A	N/A	HS-517	0.4	N/A	N/A	N/A	N/A	N/A	N/A
Step-Down X'Former	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-518	0.5	N/A	N/A
Ignition Control R & R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-519	0.5	N/A	N/A
Timer Delay	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-520	0.5	N/A	N/A
24VAC Relay R & R	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-521	0.5	N/A	N/A
Hour Meter	N/A	N/A	HHS-522	0.3	N/A	N/A	N/A	N/A	HG-522	0.5	N/A	N/A
Gas Valve	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-523	1.0	HLP-523	1.0
Throttle Control R & R	N/A	N/A	N/A	N/A	HS-524	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Circuit Breaker R & R	N/A	N/A	N/A	N/A	HS-525	0.3	N/A	N/A	N/A	N/A	N/A	N/A
Panel Lights R & R	N/A	N/A	N/A	N/A	HS-526	0.3	N/A	N/A	HG-526	0.3	N/A	N/A
Panel Gauge or Meter	N/A	N/A	N/A	N/A	HS-527	0.5	N/A	N/A	HG-527	0.5	N/A	N/A
Complete Rewire **	HSE-528	2.0	HHS-228	3.0	HS-528	4.0	HSP-528	1.0	HG-528	3.0	HLP-528	1.0
Ignitor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-529	0.5	HLP-529	0.5
Flame Sensor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HG-530	0.3	HLP-530	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.

HOT WATER • GROUP 6 • DETERGENT SYSTEM COMPONENTRY

<i>Job Description</i>	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>	<i>Code</i>	<i>Time</i>
Venturi Assembly R & R	HSE-601	0.3	HHS-601	0.3	HS-601	0.3	HSP-601	0.3	N/A	N/A	N/A	N/A
Venturi Assy. Rebuild	HSE-602	0.2	HHS-602	0.2	HS-602	0.2	HSP-602	0.2	N/A	N/A	N/A	N/A
Pressure Regulator	N/A	N/A	HHS-603	0.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dema Valve R &R	N/A	N/A	HHS-604	0.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dema Valve Rebuild	N/A	N/A	HHS-605	0.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Metering Valve R & R	HSE-606	0.3	HHS-606	0.3	HS-606	0.3	N/A	N/A	HG-606	0.3	N/A	N/A
Chemical Line R & R	HSE-607	0.1	HHS-607	0.1	HS-607	0.1	HSP-607	0.1	HG-607	0.1	N/A	N/A
Strainer R & R	HSE-608	0.1	HHS-608	0.1	HS-608	0.1	HSP-608	0.1	HG-608	0.1	N/A	N/A

HOT WATER • GROUP 7 • BURNER & HEAT EXCHANGER COMPONENTS

Job Description	HSE		HHS		HS/HDS/HVS		HSP		HG/HEG		HLP	
	Code	Time	Code	Time	Code	Time	Code	Time	Code	Time	Code	Time
Burner/ASP Ring **	N/A	N/A	HHS-701	1.0	HS-701	1.0	N/A	N/A	HG-101	1.0	HLP-101	1.0
Fuel Pump R & R	HSE-702	0.5	HHS-702	0.5	HS-702	0.5	HSP-702	0.5	N/A	N/A	N/A	N/A
Solenoid Coil	HSE-703	0.3	HHS-703	0.3	HS-703	0.3	HSP-703	0.3	N/A	N/A	N/A	N/A
Fuel Pump Coupler	HSE-704	0.5	HHS-704	0.5	HS-704	0.5	HSP-704	0.5	N/A	N/A	N/A	N/A
Ignition/X'Former R & R	HSE-705	0.5	HHS-705	0.5	HS-705	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Electrodes R & R	HSE-706	0.5	HHS-706	0.5	HS-706	0.5	HSP-706	0.5	N/A	N/A	N/A	N/A
Burner Head R & R	N/A	N/A	HHS-707	0.8	HS-707	0.8	N/A	N/A	N/A	N/A	N/A	N/A
Burner Motor R & R	HSE-708	0.5	HHS-708	0.5	HS-708	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Burner Coil R & R	HSE-709	1.0	HHS-709	1.2	HS-709	1.2	HSP-709	1.0	HG-709	1.2	HLP-709	1.0
Burner Base R & R	HSE-710	1.5	HHS-710	0.5	HS-710	0.5	HSP-710	1.5	HG-710	0.5	HLP-710	2.0
Stainless Chamber **	N/A	N/A	HHS-711	1.5	HS-711	1.5	N/A	N/A	HG-711	1.5	N/A	N/A
Fuel Tank R & R	HSE-712	0.3	HHS-712	0.3	HS-712	0.3	HSP-712	0.5	N/A	N/A	N/A	N/A
Fuel Tank Cleaning	HSE-713	0.4	HHS-713	0.4	HS-713	0.4	HSP-713	0.4	N/A	N/A	N/A	N/A
Fuel Nozzle R & R *	HSE-714	0.5	HHS-714	0.5	HS-714	0.5	HSP-714	0.5	N/A	N/A	N/A	N/A
Fuel Line R & R	HSE-715	0.2	HHS-715	0.2	HS-715	0.2	HSP-715	0.2	N/A	N/A	N/A	N/A
Fuel/Water Separator	HSE-716	0.5	N/A	N/A	HS-716	0.5	HSP-716	0.5	N/A	N/A	N/A	N/A
Burner Flywheel R & R	N/A	N/A	N/A	N/A	N/A	N/A	HSP-717	1.0	N/A	N/A	N/A	N/A
Ignition Coil R & R	N/A	N/A	N/A	N/A	N/A	N/A	HSP-718	1.0	N/A	N/A	N/A	N/A
Stator Coil R & R **	N/A	N/A	N/A	N/A	N/A	N/A	HSP-719	1.0	N/A	N/A	N/A	N/A
E.M.F. Complete **	N/A	N/A	N/A	N/A	N/A	N/A	HSP-720	1.0	N/A	N/A	N/A	N/A
Spun Dome R & R	HSE-721	0.4	HHS-721	0.4	HS-721	0.4	HSP-721	0.4	HG-721	0.4	HLP-721	0.4
Outer Shell R & R	N/A	N/A	HHS-722	0.5	HS-722	0.5	N/A	N/A	HG-722	0.5	HLP-722	0.5
Burner Installation	HSE-723	1.2	HHS-723	1.0	HS-723	1.0	HSP-723	1.2	HG-723	1.0	HLP-723	1.0
Fuel Sol-Valve	HSE-724	0.3	HHS-724	0.3	HS-724	0.3	HSP-724	0.3	N/A	N/A	N/A	N/A
Nozzle Line Assembly	N/A	N/A	HHS-725	0.5	HS-725	0.5	N/A	N/A	N/A	N/A	N/A	N/A
LP Regulator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HLP-726	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.

AIR COMPRESSOR • GROUP 1 • COMPRESSOR COMPONENTRY

<i>Job Description</i>	<i>Code</i>	<i>Time</i>
Compressor Pump **	AC-101	1.0
Cylinder Head	AC-102	0.5
Cylinder Body	AC-103	0.5
Cylinder Gasket	AC-104	0.5
Valves	AC-105	0.5
Valve Plate Assembly	AC-106	0.5
Piston Rings	AC-107	0.7
Piston **	AC-108	0.7
Flywheel	AC-109	0.3
Air Filter	AC-110	0.1
Dipstick	AC-111	0.1
Connecting Rod **	AC-112	0.5
Crankshaft **	AC-113	1.0
Crankcase **	N/A	N/A
Intercooler	AC-115	0.5
Aftercooler	AC-116	0.5

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

AIR COMPRESSOR • GROUP 2 • PRESSURE CONTROLS

<i>Job Description</i>	<i>Code</i>	<i>Time</i>
Pilot Unloader	AC-201	0.5
Pressure Relief	AC-202	0.3
Pressure Regulator	AC-203	0.5
Throttle Control	AC-204	0.5
Pressure Gauge	AC-205	0.3
Drain Valve	AC-206	0.3
Pressure Line/Copper	AC-207	0.3
Pressure Hose	AC-208	0.3
Outlet Fitting	AC-209	0.2
Ball Valve	AC-210	0.2
Pressure Switch	AC-211	0.5
Tank Check Valve	AC-212	0.3

AIR COMPRESSOR • GROUP 3 • FRAME ASSEMBLY

<i>Job Description</i>	<i>Code</i>	<i>Time</i>
Receiving Tanks **	AC-301	1.0
Beltguard	AC-302	0.2
Wheel	AC-303	0.2
Axle	AC-304	0.2
Rubber Isolator	AC-305	0.2
Handle Grips	AC-306	0.2

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

AIR COMPRESSOR • GROUP 4 • ENGINE/MOTOR GROUPS

<i>Job Description</i>	<i>Code</i>	<i>Time</i>
Engine/Motor *	AC-401	0.5
Belt	AC-402	0.2
Pulley	AC-403	0.3

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

GENERATOR • GROUP 1 • COMPONENTRY

	GEN-2500-0MSO GEN-3000-0MH0		GEN-3000-1MH0 GEN-4000/5000 GEN-6000/7000/8000		GEN-12000-0MHE GEN-13000-0MSE	
Job Description	Code	Time	Code	Time	Code	Time
Alternator R & R	GEN-101	1.0	GEN-101	1.0	GEN-101	2.0
Outlets	GEN-102	0.5	GEN-102	0.5	GEN-102	0.5
Switch Breaker	GEN-103	0.5	GEN-103	0.5	GEN-103	0.5
Idle Board	N/A	N/A	GEN-104	0.5	GEN-104	0.5
Idle Solenoid	N/A	N/A	GEN-105	0.5	GEN-105	0.5
Fuel Tank	N/A	N/A	GEN-106	0.5	GEN-106	1.0
Fuel Shut-off	N/A	N/A	GEN-107	0.5	N/A	N/A
Frame	GEN-108	2.0	GEN-108	2.0	GEN-108	3.0
Hour Meter	N/A	N/A	GEN-109	0.5	GEN-109	0.5
Volt Meter	N/A	N/A	GEN-110	0.5	GEN-110	0.5
Muffler	N/A	N/A	GEN-111	0.5	GEN-111	1.0
Engine *	GEN-112	1.0	GEN-112	1.0	GEN-112	1.0
Isolator Mounts	GEN-113	0.5	GEN-113	0.5	GEN-113	0.5
Tires	N/A	N/A	N/A	N/A	GEN-114	0.25

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