



WARRANTY LABOR RATE GUIDE

CONFIDENTIAL

Release Date: January 2004
Publication Number: TP01069
Revision Date: NA
Revision: A

© 2004, IMI Cornelius Inc.
www.cornelius.com

Information subject to change without notice.



TABLE OF CONTENTS

Ice Makers

Cornelius Cubed Ice Makers	3
Cornelius Flaked Ice Makers	4
Wilshire Chunklet Ice Makers	5
Wilshire Profit Center IMD	6
Wilshire IMD.	7

Frozen Beverage Dispensers

Frozen FCB — V-Series & Pinnacle Beverage Dispensers	8
Granita	9

Ice Drink Dispensers 10

Jet Spray 11



CORNELIUS CUBED ICE MAKERS

FRONT END ASSEMBLY	Maximum Allowable Repair Time
Evaporator	4.5 hours
Evaporator Shell	1.5 hours
Auger Bearing	1.5 hours
Gear Motor	2.0 hours
Thrust Washer	1.5 hours

Refrigeration Section	
Compressor (Includes filter/drier and any start component replaced, if required)	4.5 hours
Overload	2.0 hours
Remote Condenser	4.5 hours
Hot Gas Valve	4.5 hours
Start Relay	2.0 hours
Start Capacitor	2.0 hours
Run Capacitor	2.0 hours
Expansion Valve	4.5 hours
Condenser	4.5 hours
Service Valves	4.5 hours
Leak Check and Repair (Air & Water)	3.0 hours
Leak Check and Repair (Remote)	4.0 hours
Water Reg. Valve	4.5 hours

Electro-Mechanical Section	
Sensor	2.0 hours
Float	1.5 hours
Hoses	1.5 hours
Pump	2.0 hours
Dump Valve	2.0 hours
Distribution Tube	1.5 hours
Ice Deflector	1.5 hours
Ice Panel	1.5 hours
On-Off Switch	2.0 hours
Dump Switch	2.0 hours
Ice Bin Door	1.5 hours
Door Gasket	1.5 hours
Drain	1.5 hours
Water Inlet Assembly	1.5 hours
Proximity Switch	2.0 hours
Evap. Curtain	1.5 hours
Contactactor	2.0 hours
Electronic Control	2.0 hours
Water Level Control Assembly	1.5 hours
Auger Delay	2.0 hours
Fan Motor Assembly, Blade and/or Bracket	2.0 hours

When the repair requires the opening of the Refrigeration System, Recovery, Recycling, and Reclamation add 1.0 hours labor and \$10.00 maximum miscellaneous charge

NOTE: For multiple system repairs on the same call, add 1/2 hour to the highest allowable rate.



CORNELIUS FLAKED ICE MAKERS

FRONT END ASSEMBLY	Maximum Allowable Repair Time
Evaporator	3.25 hours
F.E.A. Complete	3.75 hours
Extruding Head	.75 hours
Gear Motor	1.5 hours
Upper Bearing	.75 hours
Refrigeration Section	
Compressor (Includes filter/drier and any start component replaced, if required)	3.0 hours
Overload	.75 hours
Start Relay	.75 hours
Start Capacitor	.75 hours
Run Capacitor	.75 hours
Expansion Valve	2.5 hours
Condenser	3.0 hours
Service Valves	.75 hours
Leak Check and Repair (Air & Water)	2.5 hours
Electro-Mechanical Section	
Ice Level Detector Switch	.75 hours
Ice Level Control Switch	1.0 hours
Contactator	1.0 hours
Low Water Safety Switch	.75 hours
High Pressure Cut-out Switch (water cooled only)	2.5 hours
Water Modulating Valve (water cooled only)	2.5 hours
Water Level Control Assembly	.75 hours
Fan Motor Assembly, Blade and/or Bracket	1.0 hours

When the repair requires the opening of the Refrigeration System, Recovery, Recycling, and Reclamation add 1.0 hours labor and \$10.00 maximum miscellaneous charge.

NOTE: For multiple system repairs on the same call, add 1/2 hour to the highest allowable rate.



WILSHIRE CHUNKLET ICE MAKERS

FRONT END ASSEMBLY	Maximum Allowable Repair Time
Evaporator	3.25 hours
F.E.A. Complete	3.75 hours
Extruding Head	.75 hours
Gear Motor	1.5 hours
Upper Bearing	.75 hours
Refrigeration Section	
Compressor (Includes filter/drier and any start component replaced, if required)	3.0 hours
Overload	.75 hours
Start Relay	.75 hours
Start Capacitor	.75 hours
Run Capacitor	.75 hours
Expansion Valve	2.5 hours
Condenser	3.0 hours
Service Valves	.75 hours
Leak Check and Repair (Air & Water)	2.5 hours
Electro-Mechanical Section	
Ice Level Detector Switch	.75 hours
Ice Level Control Switch	1.0 hours
Contactors	1.0 hours
Low Water Safety Switch	.75 hours
High Pressure Cut-out Switch (water cooled only)	2.5 hours
Water Modulating Valve (water cooled only)	2.5 hours
Water Level Control Assembly	.75 hours
Fan Motor Assembly, Blade and/or Bracket	1.0 hours

When the repair requires the opening of the Refrigeration System, Recovery, Recycling, and Reclamation add 1.0 hours labor and \$10.00 maximum miscellaneous charge.

NOTE: For multiple system repairs on the same call, add 1/2 hour to the highest allowable rate.



WILSHIRE PROFIT CENTER IMD

FRONT END ASSEMBLY	Maximum Allowable Repair Time
Evaporator	3.75 hours
F.E.A. Complete	4.5 hours
Extruding Head	1.0 hours
Gear Motor	3.25 hours
Upper Bearing	1.0 hours
Refrigeration Section	
Compressor (Includes filter/drier and any start component replaced, if required)	3.5 hours
Overload	1.0 hours
Start Relay	1.0 hours
Start Capacitor	1.0 hours
Run Capacitor	1.0 hours
Expansion Valve	3.0 hours
Condenser	3.0 hours
Service Valves	.75 hours
Leak Check and Repair (Air & Water)	2.5 hours
Electro-Mechanical Section	
Dispense Motor	1.5 hours
Dispense Solenoid	1.0 hours
Dispense Switch	.75 hours
Ice Level Control Switch	1.0 hours
Contactactor	1.75 hours
Low Water Safety Switch	.75 hours
Electronic Control	1.25 hours
Water Level Control Assembly	.75 hours
Agitator Blades	1.0 hours
Auger Delay	1.25 hours
Fan Motor Assembly, Blade and/or Bracket	1.0 hours

When the repair requires the opening of the Refrigeration System, Recovery, Recycling, and Reclamation add 1.0 hours labor and \$10.00 maximum miscellaneous charge.

For multiple system repairs on the same call, add 1/2 hour to the highest allowable rate.



WILSHIRE IMD

FRONT END ASSEMBLY	Maximum Allowable Repair Time
Evaporator	3.75 hours
F.E.A. Complete	3.5 hours
Extruding Head	1.0 hours
Gear Motor	2.75 hours
Upper Bearing	1.0 hours
Refrigeration Section	
Compressor (Includes filter/drier and any start component replaced, if required)	3.25 hours
Overload	1.0 hours
Start Relay	1.0 hours
Start Capacitor	1.0 hours
Run Capacitor	1.0 hours
Expansion Valve	2.5 hours
Condenser	2.5 hours
Service Valves	.75 hours
Leak Check and Repair (Air & Water)	2.5 hours
Electro-Mechanical Section	
Dispense Motor	1.5 hours
Dispense Solenoid	1.0 hours
Dispense Switch	.75 hours
Ice Level Control Switch	1.0 hours
Contactactor	1.75 hours
Low Water Safety Switch	.75 hours
Electronic Control	1.25 hours
Water Level Control Assembly	.75 hours
Agitator Blades	1.0 hours
Auger Delay	1.25 hours
Fan Motor Assembly, Blade and/or Bracket	1.0 hours
High Pressure Cut-out Switch (water cooled only)	2.5 hours
Water Modulating Valve (water cooled only)	2.5 hours

When the repair requires the opening of the Refrigeration System, Recovery, Recycling, and Reclamation add 1.0 hours labor and \$10.00 maximum miscellaneous charge.

For multiple system repairs on the same call, add 1/2 hour to the highest allowable rate.



FROZEN FCB — V-SERIES & PINNACLE BEVERAGE DISPENSERS

REFRIGERATION SYSTEM	Maximum Allowable Repair Time
Compressor	4.0 hours
Compressor Electrics	2.0 hours
Condenser Coil	3.0 hours
Condenser Fan Motor	1.0 hours
Condenser Fan Blade	1.0 hours
Hot Gas Valve - Rebuild	2.0 hours
Hot Gas Valve - Replace	4.0 hours
Pulse Valve - Barrel	5.5 hours
Pulse Valve - Ice Bath	3.0 hours
Foam Pack Assembly - 2 Barrel Unit	9.0 hours
Foam Pack Assembly - 4 Barrel Unit	9.0 hours
Condenser Fan Cycle Switch	2.5 hours
Replacing Condenser	2.5 hours
Bypass Valve Pressure Switch	1.0 hours
Refrigerant Leak Repair	3.0 hours
Heat Exchanger	8.0 hours
WATER SYSTEM	
Product Pump or Motor	1.5 hours
Blendonator Tank Assembly	1.0 hours
Blendonator Tank Float Switch	1.0 hours
Water Bath Probe Replacement	2.0 hours
Agitator Motor	1.0 hours
Broken Ice Bath Coils	2.0 hours
Water Regulator	1.0 hours
Water Pressure Switch	1.0 hours
Water Leak Repair	1.0 hours
SYRUP SYSTEM	
Syrup Pressure Switch	1.0 hours
Flow Control Assembly	1.0 hours
Syrup Leak Repair	1.0 hours
CO2 SYSTEM	
CO2 Pressure Switch	1.0 hours
CO2 Regulator Repair	1.0 hours
CO2 Leak Repair	1.0 hours
CONTROL SYSTEM	
PCB Module - Main	1.0 hours
PCB Module - Slave Board	1.0 hours
Keypad	1.0 hours
Sensor - Inlet	1.0 hours
Sensor - Outlet	5.0 hours
All Other General Electric Repairs	1.0 hours
DRIVE SYSTEM	
Beater Stator Assembly	2.0 hours
Drive Magnet	1.0 hours
DISPENSING VALVE	
Dispensing Valve Repair or Replacement	1.0 hours
NOTE: Not covered are wear items such as Beater Bars, Scraper Bars, and Magnet Bushing. Also not covered are adjustments, travel, and overtime.	
NOTE: For multiple system repairs on the same cell, add 1/2 hour to the highest allowable rate.	
NOTE: When labor requires the opening of the refrigeration system, a \$10.00 maximum miscellaneous charge is allowed.	



GRANITA

Refrigeration System	Maximum Allowable Repair Time
Compressor (Includes filter/drier and any start component)	3 hours
Condenser	3 hours
Evaporator	3 hours
Filter/Dryer	2 hours

NOTE: When the repair requires the opening of the refrigeration system, recovery, recycling, and reclamation add 1.0 hours labor and \$10.00 maximum miscellaneous charge.

Electro Mechanical Systems	
	3.5 hours
Compressor Electrical Components	1 hour
Condenser Fan Motor	1 hour
Gear Motor	1 hour
PC Board	1 hour
Sensor	1 hour
Switches	1 hour
Thermostat	1 hour
Timer	1 hour
Transformer	1 hour
All other repairs	1 hour

NOTE: For multiple system repairs on the same call, add 1/2 hour to the highest allowable rate.



ICE DRINK DISPENSERS

- All repairs must be billed within the maximum guidelines listed below. Exceptions to these guidelines must be explained fully on the claim form or it will be denied.

Electrical - Diagnose, repair, and replace all defective electrical components	Maximum allowable 2 hours
Agitator Motors - Diagnose, repair, and replace defective agitator motors on DB 200 family and TJ300	Maximum allowable 2.5 hours
Agitator Motors - Diagnose, repair, and replace defective agitator motors on all other models.	Maximum allowable 2 hours
Pneumatic System - Diagnose, repair, and replace all defective pneumatic components.	Maximum allowable 2 hours
Dispensing Valves - Diagnose, repair, and replace defective valve components	Maximum allowable 1.5 hours
Mechanical Components - Diagnose, repair, and replace defective mechanical components. (Chutes, springs, agitators, etc.)	Maximum allowable 1 hour

NOTE: For multiple system repair on same call add 1/2 hour to the highest allowable rate. List calls on separate claim forms.

ORIGINAL OWNER / END USER RESPONSIBILITY

1. To pay for mileage, truck charges, travel time, premium labor for holidays, weekends, or after hour work, flat rate service call charges, misc. tool charges, use of diagnostic meters or equipment and all material not listed on the warranty rate guide.
2. To pay for normal maintenance, adjustments, and cleaning.
3. To pay for freight or handling damage.
4. To pay for service labor and/or parts required to correct improperly installed equipment. Installation must comply with the installation instructions.
5. To pay for service labor and/or parts required because of neglect, abuse, misuse, accident, fire, flood, freezing, or act of God.



JET SPRAY

ELECTRO-MECHANICAL SECTION	Maximum Allowable Repair Time
Condenser Fan Motor Assembly	1.0 hours
Dryer	1.0 hours
Fan Blade	1.0 hours
Spray Drive Motor Assembly	1.0 hours
Terminal Block	1.0 hours
Temperature Control	1.0 hours
Switch Assemblies	1.0 hours
Power Cord	1.0 hours
Drip Tray Supports	1.0 hours
Drip Tray	1.0 hours
Push Handle Assembly	1.0 hours
Whipper Assembly	1.0 hours
Whipper Motor Assembly	1.0 hours
Panel/Grill Assembly	1.0 hours
Chassis Assembly	1.0 hours

NOTE: A minimum labor charge of one hour is permitted when replacing a single item. If multiple items are replaced the labor charge should not exceed the total of the maximum time shown for each item. Charges in excess of these rates will be subject to review and adjustment.

**IMI Cornelius Inc.
One Cornelius Place
Anoka, MN 55303-1592
U.S.A.**