

TABLE OF CONTENTS

INTRODUCTION to the BrakeMate Jr.	2
SAFETY INFORMATION	3
SYSTEM FEATURES & SPECIFICATIONS	9
MACHINE OVERVIEW	10
OPERATING INSTRUCTIONS	11
MASTER CYLINDER ADAPTERS	12
REPLACEMENT PARTS	14
MAINTENANCE	15
CUSTOMER SERVICE CONTACT INFO	15
WARRANTY INFORMATION	16

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INTRODUCTION

to the **BrakeMate Jr.**

Congratulations on the purchase of your BrakeMate Jr. brake flush machine!

Brake service is now more profitable, since we have eliminated the need for a second technician when performing a brake bleeding service.

The BrakeMate Jr. provides the shop with the ability to flush and pressure test a brake system faster and easier than ever before with a combination of speed and effectiveness.

Please take time to read through this manual to familiarize yourself with the BrakeMate Jr. before performing your first brake flush.

IMPORTANT SAFETY NOTICE

For your safety, read this manual thoroughly before operating this machine. Your BrakeMate Jr. unit is intended for use by properly trained, skilled professional automotive technicians. The safety messages presented below and throughout this user's manual are reminders to the operator to exercise care when using this unit. Before using your BrakeMate Jr. unit, always refer to and follow the safety messages and applicable service procedures provided by the manufacturer of the vehicle being serviced.

• Read All Safety Instructions

Read, understand and follow all safety messages and instructions in this manual. Safety messages in this section of the manual contain a signal word with a three-part message and, in some instances, an icon.

• Signal Words

The signal word indicates the level of the hazard in a situation:

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

IMPORTANT

Indicates a situation which, if not avoided, may result in damage to the machine, or the vehicle being serviced.

• Safety Messages

Safety messages in this section contain three different type styles:

- Normal type states the hazard.
- **Bold type** states how to avoid the hazard.
- *Italic type* states the possible consequences of not avoiding the hazard.

• Safety Symbols

A safety symbol, when present, gives a graphical description of the potential hazard, and how to avoid the hazard:



Risk of Fire



Read Instructions Before Use



Risk of Explosion



Mandatory Eye Protection



Risk of Entanglement



Mandatory Protective Gloves



Dangerous Fumes



Mandatory Protective Clothing



Do Not Pull or Move



Risk of Burns

IMPORTANT SAFETY INSTRUCTIONS

DANGER



Engine exhaust contains toxic gases.

- **Vent vehicle's exhaust away from work area.**
- **Do not breathe exhaust.**

Exhaust gases will cause injury or death.

WARNING



Improper use and operation.

- **Read, understand and follow all safety messages and operational procedures in this manual before operating this machine.**
- **This equipment should be operated only by qualified personnel.**
- **Use this equipment only as described in this manual.**

Improper use and operation of this product can result in injury.

WARNING

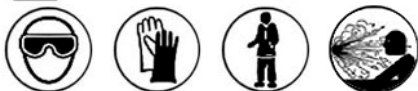


Engine systems can malfunction expelling fuel, oil vapors, hot steam, hot toxic exhaust gases and other flying particles.

- **Wear safety goggles and protective clothing, user and bystander. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.**
- **Do not position head directly over or in front of carburetor or throttle body. Engine backfire can occur when air cleaner is out of normal position.**
- **Make sure gauge reads zero before connecting or disconnecting hose connections to adapters.**
- **Make sure cooling system pressure has been relieved before connecting or disconnecting hose connections and adapters.**
- **Keep a dry chemical (Class B) fire extinguisher rated for gasoline, chemical & electric fires in the work area.**

Fire, explosion, or flying particles may cause serious injury.

WARNING



Risk of expelling pressurized fluids.

- **Wear safety goggles and protective clothing, user and bystander.**

- Engine systems can malfunction, expelling fuel, oil vapors, hot steam, hot toxic exhaust gases and other debris.
- Always unplug the machine from its power source when not in use.
- Keep the service hoses away from hot or moving engine parts. Hoses can split or burst causing fluid to be expelled.
- Avoid contact with brake fluid.
- Treatment methods are as follows:
 - Eyes: Flush eyes with plenty of water.
 - Skin: Wash with soap and water.
 - Inhalation: Move to uncontaminated area.
 - Ingestion: If large amount, get medical attention.
 - If any irritation persists, get medical attention.
- Dispose of used fluid according to environmental laws and regulations.

Fuel, oil vapors, hot steam, hot toxic exhaust gases, pressurized fluid, and other debris can cause serious injury.

WARNING

Risk of unexpected vehicle movement.

- Block drive wheels before starting vehicle's engine to begin an exchange.
- Unless instructed otherwise, set parking brake and put gear selector in park.
- Do not leave a running vehicle unattended.
- If vehicle has an automatic parking brake release, disconnect release mechanism for testing and reconnect when testing is completed.

A moving vehicle can cause injury.

WARNING



Risk of entanglement. Engine has moving parts.

- Do not place tools on fenders or other places in engine compartment.
- Keep yourself, clothing, battery cables and service hoses clear of moving parts such as fan blades, belts, pulleys, hood and doors.
- Barriers are recommended to help identify danger zones in test area.
- Prevent personnel from walking through immediate test area.

Contact with moving parts can cause injury.

WARNING



Risk of fire or explosion.

- Do not operate in the vicinity of open containers of flammable liquids such as gasoline.
- Keep hoses and jumper cables away from heat sources and sharp edges.
- Do not operate equipment with damaged cords or hoses until they have been examined by a qualified serviceman.

Fire or explosion can cause injury.

WARNING



Risk of fire or explosion. Gases produced by a battery are highly explosive.

- **Wear safety goggles and protective clothing, user and bystander.**
- **This machine is equipped to operate on 12-volt DC power only. A power source greater than this can result in serious injury to the user as well as damage to the machine.**
- **Do not smoke, place metal tools on battery or allow a spark or flame in vicinity of battery.**
- **Clean battery terminals before hooking the machine's battery clips to them. During cleaning, keep airborne corrosion from eyes, nose and mouth.**
- **Be sure both battery cables are tightly connected to the battery terminals as instructed before proceeding with a fluid exchange.**
- **Never remove battery cables from the battery terminals while the machine is operating.**

Battery explosion can cause injury.

WARNING



Risk of burns.

- **Wear gloves when handling hot engine components.**
- **Do not touch hot exhaust systems, manifolds, engines, radiators, etc.**

Hot engine parts may cause injury.

WARNING



Battery acid is a highly corrosive sulfuric acid.

- **Wear safety goggles and protective gloves, user and bystander.**
- **Have plenty of fresh water and soap nearby. If battery acid contacts skin, clothing, or eyes, flush exposed area with soap and water for 10 minutes.**
- **While cleaning battery's terminals, keep airborne corrosion from eyes, nose and mouth.**
- **Do not touch eyes while working near battery.**

Battery acid can burn eyes and skin.

WARNING



Risk of burns.

- **Wear gloves when working near hot engine components.**
- **Do not touch hot exhaust systems, manifolds, engines, radiators, etc.**
- **The fluid coming from the vehicle along with some of the machine's components that the fluid comes into direct contact with (i.e. hoses and fittings) may reach temperatures uncomfortable to the touch. Exercise caution in avoiding contact with these items.**

Hot components can cause injury or discomfort.

CAUTION



Risk of injury.

- This equipment should be operated by qualified personnel only.
- Use this equipment only as described in this manual.
- Always unplug the machine from its power source when not in use.
- Loop the power cord loosely in its proper location when machine is not in use.
- Do not operate equipment with a damaged battery cables or hoses, or if the equipment has been dropped or damaged, until it has been examined by a qualified service representative.
- Care should be taken to arrange the battery cables and service hoses so that they will not be tripped over or pulled.
- Never pull on the power cables or service hoses to transport the machine. Damage may occur to these components, or machine may tip over.
- Keep area of operation clear of unnecessary tools and equipment. Utilize recessed tool storage areas on the top of the machine.
- Never leave the machine running unattended.
- The BrakeMate Jr. is not designed for any other purpose than the servicing of automotive brake systems.

Operation of this machine by anyone other than qualified personnel may result in injury.

CAUTION

Misdiagnosis may lead to incorrect or improper repair and/or adjustment.

- Do not rely on erratic, questionable, or obviously erroneous test information or results. If test information or results are erratic, questionable, or obviously erroneous, make sure that all connections and data entry information are correct and that the test procedure was performed correctly. If test information or results are still suspicious, do not use them for diagnosis.

Improper repair and/or adjustment may cause vehicle or equipment damage or unsafe operation.

IMPORTANT

Risk of equipment damage.

- Connect battery cables to a 12-volt power source only (i.e. vehicle's battery).
- Servicing, transporting, or storing this machine in an attitude other than the normal operating position can result in fluid spillage and/or component damage.
- Never pull on the power cables or service hoses to transport the unit. Damage may occur to these components, or machine may tip over. Always use the handle to move.
- Periodically clean the machine by wiping down with a clean, soft, dry cloth.

Improper operation of equipment may result in damage to machine or components.

SAVE AND FOLLOW THESE INSTRUCTIONS!

DIMENSIONS & TECHNICAL SPECIFICATIONS

DIMENSIONS:

39" Tall
17" Wide
31" Deep

Service Hose:

15' outside of machine

Wheels:

5" locking casters (front)
5" casters (back)

Fluid Tanks:

7-Quart New Fluid Tank
1/2-Quart Waste Fluid Bottle

Weight:

68 lbs

TECHNICAL SPECIFICATIONS:

Power:

12-Volt DC from vehicle battery

Fuse:

15 Amp

Operating Temperature:

60° to 110°F (15° to 43°C)

FEATURES

- Durable roto-cast polyethylene body and tanks prevent vehicle damage
- Ergonomically correct working height
- 5" caster wheels allow easy maneuverability
- Easy access service panel

MACHINE OVERVIEW



OPERATING INSTRUCTIONS

CONNECTION



Remove master cylinder cap. Find correct master cylinder adapter from adapter kit and attach to master cylinder reservoir. Connect yellow pressure hose to master cylinder adapter.



Attach the tube from the used fluid bottle to one of the vehicle's bleeder screws. You may need to verify that the bleeder screw can be opened before attaching the tube. The bottle may be mounted to the caliper using the attached magnet.



Connect the battery cables.

OPERATION



Turn the machine on and use the pressure regulator to increase the pressure to the desired amount. A typical brake service should not require more than 12psi (see manufacturer's recommendation).



Slowly open the ball valve on the yellow pressure hose while checking for leaks around the master cylinder adapter.



Open the bleeder screw about 1/4 turn until fluid begins to flow into the bottle.



If the new fluid tank level becomes too low, the light on front of machine will illuminate and the machine will beep. To restart the machine, simply add more fluid to the new fluid tank.



When finished, close the bleeder screw and remove tube from fitting. Repeat process on the remaining three wheels.

DISCONNECTION



After brake flush is complete, turn the machine off and disconnect the battery cables.



Close ball valve on yellow pressure hose and disconnect hose from master cylinder adapter. Remove the adapter and replace the master cylinder cap.



Brake Bleeder Adapter Application Chart

		Flo Part #		Flo Part #		
BMW	All	941592W	BA05			
CADILLAC	32V Northstar 1996-	941591W	BA04	328 GTS	941592W BA05	
	Eldorado TC 1996-	941591W	BA04	F40	941592W BA05	
	Seville SLS 1996-	941591W	BA04	Mondial T + convertible top	941592W BA05	
	Seville STS 1996-	941591W	BA04	Testarossa	941592W BA05	
	SRX 2003-	941591W	BA04			
	CTS (DOT3) 2001-	941591W	BA04	FIAT	Most	941592W BA05
	XLR 2003-	941591W	BA04	FORD	All older 2 tab models	941589W BA02
BLS 2005-	941592W	BA05	Cougar 1999-		941592W BA05	
CHEVROLET	Alero 1999-	941591W	BA04		Courier 1995-	941592W BA05
	Astro-Van 1996-	941598W	BA12 *		Escort 1996-	941592W BA05
	Blazer 1996-	941591W	BA04		Explorer	941590W BA03
	Blazer 1999-	941591W	BA04		Fiesta 1996-	941592W BA05
	Camaro 1999-	941591W	BA04		Focus	941592W BA05
	Corvette 1996-	941591W	BA04		Fusion	941592W BA05
	Hummer H2 + H3 2003-	941591W	BA04		Galaxy 1995-	941592W BA05
	S10 Pick-Up 2WD + 4WD 1996-	941591W	BA04		Galaxy 2003-	941592W BA05
	Surburban 1996-	941598W	BA12 *	Maverick + Ranger 1996-	941590W BA03	
	Tahoe 1996-2002	941598W	BA12 *	Navigator (USA) 2001-	941590W BA03	
Tahoe 2003-	941591W	BA04	Probe -1992	941590W BA03		
Trans Sport 1999-	941591W	BA04	Probe 1993-	941592W BA05		
Trail Blazer 2001-	941591W	BA04	Ranger 1999-	941592W BA05		
CHRYSLER	Crossfire 2003-	941592W	BA05	Transit Van 1998-	941592W BA05	
	300M 2.7 Executive 1999-	941590W	BA03	Windstar 1996-	941590W BA03	
	300C Touring + Sedan 2005-	941588W	BA01	GM	All	941591W BA04
	Neon Sport 16V 1996-	941590W	BA03	HONDA	Civic/Accord/Prelude 1976-83	941594W BA08
	Neon LE 1,6 2001-	941588W	BA01		Accord 1985-1992	941595W BA09
	New Yorker	941590W	BA03		Accord 1996-	941595W BA09
	PT Cruiser 2001-	941588W	BA01		Accord 1999-	941595W BA09
	Sebring 2001-	941590W	BA03		Civi Shuttle	941593W BA07
	Stratus 1999-	941590W	BA03		Civic 1992-	941594W BA08
	Vision	941591W	BA04		Civic 1996-	941595W BA09
	Viper 2003-	941588W	BA01		Civic (EJ 9) 1999-	941595W BA09
	Grand Voyager 1999-	941590W	BA03		CRX 1,6	941593W BA07
	Grand Voyager 2002	941588W	BA01		CRX 1,6 1997-	941595W BA09
	Voyager LE 1996 -	941588W	BA01		HR-V 1999-	941595W BA09
	Voyager SE 1994-	941588W	BA01		Insight 1999-	941595W BA09
Voyager SE 2,4 2001-	941588W	BA01	Legend 1991-		941595W BA09	
Voyager LX 2,5 2001-	941588W	BA01	Logo 1999-		941595W BA09	
DAEWOO	Aveo 2005-	941592W	BA05		NSX-T (1981- =DOT3) 1999-	941594W BA08
	Espero	941592W	BA05	Odyssey (US-Minivan) 1999-	941595W BA09	
	Evanda 2003-	941591W	BA04	Prelude 1991-	941594W BA08	
	Kalos 2003-	941592W	BA05	Prelude 1992-	941595W BA09	
	Lacetti 2003-	941592W	BA05	Prelude 2,0	941593W BA07	
	Lanos	941592W	BA05	S 2000 1999-	941595W BA09	
	Nexia	941592W	BA05	Shuttle 1997-	941594W BA08	
DAIHATSU	Nubira 1999-	941592W	BA05	HYUNDAI	All	941590W BA03
	Nubira 2001-	941591W	BA04	ISUZU	Frontera 1989-	941594W BA08
	Nubira WTCC R+ 2005-	941592W	BA05		Monterey 1989-	941594W BA08
	Charmant 1989-	941593W	BA07		Rodeo 2005-	941594W BA08
	Copen 2003-	941594W	BA08		Trooper -1989	941593W BA07
	Cuore / Charade -1989	941593W	BA07		Trooper 1989-	941594W BA08
	Cuore (L701) 1999-	941594W	BA08	JAGUAR	Jaguar XJ Twin TD 2005-	941592W BA05
Cuore (L251) 2005-	941594W	BA08	Jaguar XKR 1999-		941592W BA05	
Move (L901)	941593W	BA07	Jaguar XJR 1999-		941592W BA05	
Gran Move (G301)	941593W	BA07	Jaguar Sovereign 4.0		941592W BA05	
Sirion (M100; M101)	941593W	BA07	Jaguar S-Type V8 1999-		941590W BA03	
Sirion (100,M101,M111) 2003-	941594W	BA08	Jaguar S-Type R 2003-		941592W BA05	
Terios (J102)	941596W	BA10	Jaguar X-Type 2001-		941592W BA05	
YRV (M201)	941593W	BA07	Jaguar Daimler Super V8	941592W BA05		
FERRARI	Alle Pkw	941592W	BA05	JEEP	Jeep Cherokee 1995	941590W BA03
	328 GTB	941592W	BA05	Jeep Cherokee 1996-	941588W BA01	
				Jeep Wrangler 1996-	941588W BA01	
				Jeep Wrangler Sport 1999-	941588W BA01	



Brake Bleeder Adapter Application Chart

		Flo Part #		Flo Part #
JEEP	Jeep Wrangler 2003-	941588W	BA01	
	Jeep Grand Cherokee 1996-	941588W	BA01	
KIA	Carens 1999-	941590W	BA03	
	Carens 2001-	941592W	BA05	
	Carnival 1999-	941592W	BA05	
	Carnival 2005-	941590W	BA03	
	Cerato 2005-	941590W	BA03	
	Clarus 1997-	941592W	BA05	
	Joice 941590W		BA03	
	Magentis 2001-	941590W	BA03	
	Opius 2003-	941592W	BA05	
	Picanto 2005-	941590W	BA03	
	Rio 2000-	941593W	BA07	
	Rio 2003-	941590W	BA03	
	Pride 1995-	941593W	BA07	
	Sephia 1995-	941592W	BA05	
	Shuma 2000-	941592W	BA05	
	Sorento 2003-	941592W	BA05	
	Sportage 1995-	941592W	BA05	
LAMBORGHINI	All	941592W	BA05	
LAND ROVER	All	941592W	BA05	
LEXUS	All	941596W	BA10	
MASERATI	3200 GT 1999-	941592W	BA05	
	Quattroporte 1999-	941592W	BA05	
MAZDA	121 1995-	941590W	BA03	
	121 LX 941593W		BA07	
	2 2003-	941592W	BA05	
	3 2003-	941592W	BA05	
	5 2005-	941592W	BA05	
	626 LX / GLX 941593W		BA07	
	6 2003-	941591W	BA04	
	B2500 Pickup 4WD 1998-	941592W	BA05	
	B-Serie 2.5L TD 1999-	941592W	BA05	
	Demio 1998-	941593W	BA07	
	Luxus / LX + Sport 941593W		BA07	
	MPV 1999-	941590W	BA03	
	MPV 2001-	941591W	BA04	
	MX-5 1999-	941590W	BA03	
	MX-5 2005-	941592W	BA05	
	Premacy 941591W		BA04	
	RX-8 2003-	941591W	BA04	
	Tribute 2001-	941590W	BA03	
MERCEDES-BENZ	All	941592W	BA05	
MINI	All	941592W	BA05	
MITSUBISHI	All	941590W	BA03	
NISSAN	100 NX 1993-	941590W	BA03	
	200 NX 1993-	941593W	BA07	
	200 SX 1995-	941590W	BA03	
	200 SX - Turbo Maxima 3,0 941593W		BA07	
	350Z 2003-	941590W	BA03	
	Almera 1995-	941590W	BA03	
	Maxima QX 1995-	941590W	BA03	
	Pathfinder + RS1 2005-	941590W	BA03	
	Patrol GR TD6 1999-	941590W	BA03	
	Patrol Turbo D 941593W		BA07	
	Pick Up 941593W		BA07	
	Pick Up 2001-	941590W	BA03	
	Altima and Xterra 941595W		BA13	
PONTIAC	Firebird + Cabrio 941591W		BA04	
	Trans Sport 941591W		BA04	
PORSCHE	All	941592W	BA05	
RENAULT	All	941592W	BA05	
ROVER	All	941590W	BA03	
SAAB	All	941590W	BA03	
SUBARU	Coupe 1800 1988-	941590W	BA03	
	Forester 1999-	941590W	BA03	
	Forester 2000-	941590W	BA03	
	Impreza 1,8GL 941590W		BA03	
	Impreza 4WD 1998-	941590W	BA03	
	Impreza WRX 2001-	941590W	BA03	
	Justy 2003-	941590W	BA03	
	Legacy 1995-	941590W	BA03	
	Legacy +Kombi 1999-	941590W	BA03	
	Outback 1989-	941590W	BA03	
	Sedan 1800 4WD 941590W		BA03	
SUZUKI	Alto 1996-	941592W	BA05	
	Samurei 1993-	941592W	BA05	
	Samurei Van 1989-	941593W	BA07	
	Samurei Van + Pick Up 1999-	941592W	BA05	
	SJ Samurei + SJ 413 1985-	941593W	BA07	
TOYOTA	Avensis 1998-	941592W	BA05	
	4-Runner 1996-	941596W	BA10	
	Camry 1993-	941596W	BA10	
	Camry 941597W		BA11	
	Carina 1993	941596W	BA10	
	Celica 4WD 941597W		BA11	
	Celica GT 2,0 / GT 1600 941597W		BA11	
	Celica GT 2,0 / GT 1600 2001-	941596W	BA10	
	Celica CS 2003-	941596W	BA10	
	Corolla 941597W		BA11	
	Corolla E11 941596W		BA10	
	Corolla 1993-	941596W	BA10	
	Corolla 1996-	941597W	BA11	
	Corolla Combi 1972-1986 941597W		BA11	
	Corolla 2003-	941592W	BA05	
	Cressida 1977-1981 941592W		BA05	
	Crown 1985-	941593W	BA07	
	Landcruiser 941593W		BA07	
	Landcruiser HJ100 941596W		BA10	
	Landcruiser 2003-	941596W	BA10	
	MR-2 2003-	941596W	BA10	
	Previa 941596W		BA10	
	Prius 2001-	941596W	BA10	
	RAV 4 1996-	941596W	BA10	
	EAV-4 2003-	941596W	BA10	
	Starlet 941597W		BA11	
	Tercel 941597W		BA11	
VOLVO	All	941592W	BA05	
VOLKSWAGEN	All	941592W	BA05	
	Beetle 1998-2002 941592W		BA05	
	Beetle 2003-	941592W	BA05	
	Caddy 2005-	941592W	BA05	
	EOS 2005-	941592W	BA05	
	Multivan 2003-	941592W	BA05	
	1500 Typ 1 941593W		BA07	
	1500 / 1600 Typ 3 941593W		BA07	
	411 / 412 Typ 2 (28 Durchm.)1988-	941593W	BA07	
	LT 28 941593W		BA07	
	Lupo 941593W		BA07	
	Sharan -2002 941592W		BA05	
	Sharan 2003-	941592W	BA05	
	T4 1994-	941592W	BA05	
	NOTE: New for Older GM and Chrysler 941599W		BA14	

REPLACEMENT PARTS LIST

Part #	Description
945001W	Electronic Board
945007	Control Panel Label
945000	Pressure Pump
R941251	Level Switch
945002	Pressure Regulator
941546W	Battery Cable Assembly
941416	Master Cylinder Adapter Kit
945015	Waste Fluid Bottle w/ Magnet
941540	Yellow Service Hose
941524	Wand Adapter
R940750	Chassis
R940751	Console
942113	Tank Cap
941520	New Fluid Tank (White)
945008	Service Panel Label
R942118	Locking Caster Wheel
R942137	Caster Wheel
945014	Operations Manual
945013	Quick Start Instruction Sheet

To order replacement parts for the BrakeMate Jr., call:

1-800-303-5874

MAINTENANCE

To keep your machine working properly...

- Keep debris out of new fluid.
- Avoid spilling fluid on the control panel.
- Periodically wipe down exterior using a soft, damp cloth.

CUSTOMER SERVICE CONTACT INFORMATION

If you are experiencing problems with this machine,
call technical support at:

1-800-303-5874

LIMITED ONE (1) YEAR WARRANTY

Flo-Dynamics warrants only to the original Purchaser that under normal use, care and service, the Equipment (except as otherwise provided herein) shall be free from defects in material and workmanship for one year from the date of original invoice. External hoses, remote control modules, adapters and all other attachments, supplies and consumables (except as otherwise provided herein) are warranted for 90 calendar days from the date of original invoice. Filter elements are not warranted. Printed circuit boards purchased from, but not installed by Seller are not warranted.

SELLER'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED SOLELY TO THE REPAIR OR, AT SELLER'S OPTION, REPLACEMENT OF EQUIPMENT OR PARTS WHICH TO SELLER'S SATISFACTION ARE DETERMINED TO BE DEFECTIVE AND WHICH ARE NECESSARY, IN SELLER'S JUDGEMENT, TO RETURN THE EQUIPMENT TO GOOD OPERATING CONDITION. NO OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

This warranty does not cover (and separate charges for parts, labor and related expenses shall apply to) any damage to, malfunctioning, inoperability or improper operation of the Equipment caused by, resulting from or attributable to (A) abuse, misuse or tampering; (B) alteration, modification or adjustment of the Equipment by anyone other than Seller's authorized representatives; (D) improper or negligent use, application, operation, care, cleaning, storage or handling; (E) fire, water, wind, lightning or other natural causes; (F) adverse environmental conditions, including, without limitation, excessive heat, moisture, corrosive elements, or dust or other air contaminants, radio frequency interference, electric power failure, power line voltages beyond those specified for the equipment, unusual physical, electrical or electromagnetic stress, and/or any other condition outside of Seller's environmental specifications; (G) use of the Equipment in combination or connection with other equipment, attachments, supplies or consumables not manufactured or supplied by Seller; or (H) failure to comply with any applicable federal, state or local regulation.

Repairs or replacements qualifying under this Warranty will be performed on regular business days during Seller's normal working hours within a reasonable time following Purchaser's request. **All requests for Warranty service must be made during the stated Warranty period.** This warranty is non-transferable.

