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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:

5-Quart New Fluid Tank

1-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
- Push-button pressure relief on fluid delivery line for pressure-free removal after servicing

MACHINE OVERVIEW





Brake Bleeder Adapter Application Chart

8/30/2017

Make	Model	Year	Flo P/N	ID #	Make	Model	Year	Flo P/N	ID #
BMW	All		941592W	BA05	FERRARI	All Pkw		941592W	BA05
CADILLAC	32V Northstar	1996-	941591W	BA04		328 GTB		941592W	BA05
	Eldorado TC	1996-	941591W	BA04		328 GTS		941592W	BA05
	Seville SLS	1996-	941591W	BA04		F40		941592W	BA05
	Seville STS	1996-	941591W	BA04		Mondial		941592W	BA05
	SRX	2003-	941591W	BA04		Testarossa		941592W	BA05
	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		F-150/250		941592W	BA05
	Camaro	1999-	941591W	BA04		Fiesta	1996-	941592W	BA05
	Corvette	1996-	941591W	BA04		Focus		941592W	BA05
	Hummer H2 & H3	2003-	941591W	BA04		Fusion	pre-2014	941592W	BA05
	S-10 Pickup	1996-	941591W	BA04		Fusion	2014-	40100045	BA04-SP
	Suburban	1996-	941598W	BA12		Galaxy	1995-	941592W	BA05
	Spark	2010-	40100034	BA30		Galaxy	2003-	941592W	BA05
	Tahoe	1996-2002	941598W	BA12		Maverick & Ranger	1996-	941590W	BA03
	Tahoe	2003-	941591W	BA04		Navigator (USA)	2001-	941590W	BA03
	Trail Blazer	2001-	941591W	BA04		Probe	pre-1992	941590W	BA03
CHRYSLER/ DODGE	Crossfire	2003-	941592W	BA05		Probe	1993-	941592W	BA05
	300M 2.7 Executive	1999-	941590W	BA03		Ranger	1999-	941592W	BA05
	300C Touring & Sedan	2005-	941588W	BA01		Transit Van	1998-2016	941592W	BA05
	Neon Sport 16V	1996-	941590W	BA03		Windstar	1996-	941590W	BA03
	Neon LE 1.6	2001-	941588W	BA01	GM	All		941591W	BA04
	New Yorker		941590W	BA03	HONDA	Civic/Accord/Prelude	1976-1983	941594W	BA08
	PT Cruiser	2001-	941588W	BA01		Accord	1985-1992	941595W	BA09
	Sebring	2001-	941590W	BA03		Accord	1996-	941595W	BA09
	Stratus	1999-	941590W	BA03		Accord	1999-	941595W	BA09
	Vision		941591W	BA04		Civic Shuttle		941593W	BA07
	Viper	2003-	941588W	BA01		Civic	1992-1995	941594W	BA08
	Grand Voyager	1999-	941590W	BA03		Civic	1996-	941595W	BA09
	Grand Voyager	2002-	941588W	BA01		Civic (EJ 9)	1999-	941595W	BA09
	Voyager LE	1996-	941588W	BA01		CRX 1.6	pre-1997	941593W	BA07
	Voyager SE	1994-	941588W	BA01		CRX 1.6	1997-	941595W	BA09
	Voyager SE 2.4	2001-	941588W	BA01		HR-V	1999-	941595W	BA09
	Voyager LX 2.5	2001-	941588W	BA01		Insight	1999-	941595W	BA09
DAEWOO	Aveo	2005-	941592W	BA05		Legend	1991-	941595W	BA09
	Espero		941592W	BA05		Logo	1999-	941595W	BA09
	Evanda	2003-	941591W	BA04		NSX-T	1981-	941594W	BA08
	Kalos	2003-	941592W	BA05		Odyssey (US Minivan)	1999-	941595W	BA09
	Lacetti	2003-	941592W	BA05		Prelude	1991	941594W	BA08
	Lanos		941592W	BA05		Prelude	1992-	941595W	BA09
	Nexia		941592W	BA05		Prelude 2.0		941593W	BA07
	Nubira	1999-2000	941592W	BA05		S2000	1999-	941595W	BA09
	Nubira	2001-	941591W	BA04		Shuttle	1997-	941594W	BA08
	Nubira WTCC R+	2005-	941592W	BA05	HYUNDAI	All		941590W	BA03
DAIHATSU	Charmant	1989-	941593W	BA07	ISUZU	Frontera	1989-	941594W	BA08
	Copen	2003-	941594W	BA08		Monterey	1989-	941594W	BA08
	Cuore/Charade	pre-1989	941593W	BA07		Rodeo	2005-	941594W	BA08
	Cuore (L701)	1999-	941594W	BA08		Trooper	pre-1989	941593W	BA07
	Cuore (L251)	2005-	941594W	BA08		Trooper	1989-	941594W	BA08
	Move (L901)		941593W	BA07	JAGUAR	XJ Twin TD	2005-	941592W	BA05
	Gran Move (G301)		941593W	BA07		XKR	1999-	941592W	BA05
	Sirion (M100, M101)		941593W	BA07		XJR	1999-	941592W	BA05
	Sirion (M100, M101, M111)	2003-	941594W	BA08		Sovereign 4.0		941592W	BA05
	Terios (J102)		941596W	BA10		S-Type V8	1999-	941590W	BA03
	YRV (M201)		941593W	BA07		S-Type R	2003-	941592W	BA05
						X-Type	2001-	941592W	BA05
						Daimler Super V8		941592W	BA05



Brake Bleeder Adapter Application Chart

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Make	Model	Year	Flo P/N	ID #	Make	Model	Year	Flo P/N	ID #
JEEP	Cherokee	1995	941590W	BA03	PONTIAC	Firebird		941591W	BA04
	Cherokee	1996-	941588W	BA01		Trans Sport	1999-	941591W	BA04
	Grand Cherokee	1996-	941588W	BA01	PORSCHE	All		941592W	BA05
	Wrangler	1996-	941588W	BA01		All		941592W	BA05
	Wrangler	2003-	941588W	BA01	ROVER	All		941590W	BA03
	Wrangler Sport	1999-	941588W	BA01		All		941590W	BA03
KIA	Carens	1999-2000	941590W	BA03	SUBARU	1800 Coupe	1988-	941590W	BA03
	Carens	2001-	941592W	BA05		1800 Sedan 4WD		941590W	BA03
	Carnival	1999-2004	941592W	BA05		Forester	1999-	941590W	BA03
	Carnival	2005-	941590W	BA03		Forester	2000-	941590W	BA03
	Cerato	2005-	941590W	BA03		Impreza 1.8 GL		941590W	BA03
	Clarus	1997-	941592W	BA05		Impreza 4WD	1998-	941590W	BA03
	Joice		941590W	BA03		Impreza WRX	2001-	941590W	BA03
	Magentis	2001-	941590W	BA03		Justy	2003-	941590W	BA03
	Opius	2003-	941592W	BA05		Legacy	1995-	941590W	BA03
	Picanto	2005-	941590W	BA03		Legacy & Kombi	1999-	941590W	BA03
	Rio	2000-2002	941593W	BA07		Outback	1989-	941590W	BA03
	Rio	2003-	941590W	BA03	SUZUKI	Alto	1996-	941592W	BA05
	Pride	1995-	941593W	BA07		Samurai	1993-	941592W	BA05
	Sephia	1995-	941592W	BA05		Samurai Van	1989-	941593W	BA07
	Shuma	2000-	941592W	BA05		Samurai Van & Pickup	1999-	941592W	BA05
	Sorento	2003-	941592W	BA05		SJ Samurai & SJ 413	1985-	941593W	BA07
	Sportage	1995-	941592W	BA05	TOYOTA	4-Runner	1996-	941596W	BA10
LAMBORGHINI	All		941592W	BA05		Avensis	1998-	941592W	BA05
LAND ROVER	All		941592W	BA05		Camry	1993-	941596W	BA10
LEXUS	All		941596W	BA10		Camry		941597W	BA11
MASERATI	3200 GT	1999-	941592W	BA05		Carina	1993-	941596W	BA10
	Quattroporte	1999-	941592W	BA05		Celica 4WD		941597W	BA11
MAZDA	121	1995-	941590W	BA03		Celica GT 2.0 / GT 1600		941597W	BA11
	121 LX		941593W	BA07		Celica GT 2.0 / GT 1600	2001-	941596W	BA10
	2	2003-	941592W	BA05		Celica CS	2003-	941596W	BA10
	3	2003-	941592W	BA05		Corolla		941597W	BA11
	5	2005-	941592W	BA05		Corolla E11		941596W	BA10
	626 LX / GLX		941593W	BA07		Corolla	1993-	941596W	BA10
	6	2003-2013	941591W	BA04		Corolla	1996-	941597W	BA11
	6	2014-	40100045	BA04-SP		Corolla Combi	1972-1986	941597W	BA11
	B2500 Pickup 4WD	1998-	941592W	BA05		Corolla	2003-	941592W	BA05
	B-Series 2.5L TD	1999-	941592W	BA05		Cressida	1977-1981	941592W	BA05
	Demio	1998-	941593W	BA07		Crown	1985-	941593W	BA07
	Luxus / LX & Sport		941593W	BA07		Landcruiser		941593W	BA07
	MPV	1999-2000	941590W	BA03		Landcruiser HJ100		941596W	BA10
	MPV	2001-	941591W	BA04		Landcruiser	2003-	941596W	BA10
	MX-5	1999-2004	941590W	BA03		MR-2	2003-	941596W	BA10
	MX-5	2005-	941592W	BA05		Previa		941596W	BA10
	Premacy		941591W	BA04		Prius	2001-	941596W	BA10
	RX-8	2003-	941591W	BA04		RAV4	1996-	941596W	BA10
	Tribute	2001-	941590W	BA03		EAV-4	2003-	941596W	BA10
MERCEDES-BENZ	All		941592W	BA05		Starlet		941597W	BA11
MINI	All		941592W	BA05		Tercel		941597W	BA11
MITSUBISHI	All		941590W	BA03	VOLVO	All		941592W	BA05
NISSAN	100 NX	1993-	941590W	BA03		Beetle	1998-2002	941592W	BA05
	200 NX	1993-	941593W	BA07		Beetle	2003-	941592W	BA05
	200 SX	1995-	941590W	BA03		Caddy	2005-	941592W	BA05
	200 SX - Turbo Maxima 3.0		941593W	BA07		EOS	2005-	941592W	BA05
	350Z	2003-	941590W	BA03		Multivan	2003-	941592W	BA05
	Almera	1995-	941590W	BA03		1500 Typ 1		941593W	BA07
	Altima		941585W	BA13		1500 / 1600 Typ 3		941593W	BA07
	Maxima QX	1995-	941590W	BA03		411 / 412 Typ 2 (28 Durchm.)	1988-	941593W	BA07
	Pathfinder & RS1	2005-	941590W	BA03		LT 28		941593W	BA07
	Patrol GRTD6	1999-	941590W	BA03		Lupo		941593W	BA07
	Patrol Turbo D		941593W	BA07		Sharan		941592W	BA05
	Pickup	pre-2001	941593W	BA07		T4	1994-	941592W	BA05
	Pickup	2001-	941590W	BA03				941599W	BA14
	Xterra		941585W	BA13					
NOTE:		New for Older GM & Chrysler		941599W		BA14			

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.

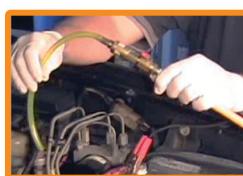


Close ball valve on yellow pressure hose and disconnect hose from master cylinder adapter. Remove the adapter and replace the master cylinder cap.

DRAIN THE NEW FLUID TANK



Before draining, bypass the fluid level sensor located in the new fluid tank by pulling up with a wire loop.



Connect the wand adapter to the yellow hose. Place in an appropriate fluid container and open the ball valve. Turn the machine on and turn the pressure knob until fluid begins to drain.

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
40400343	Pressure Relief Switch
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.

Notes