VIRGINIA ABRASIVES™

Operator's Safety and Service Manual

Concrete Saw

18" Walk Behind Saw

VA-FS18

It is the OWNER´S RESPONSIBILITY to communicate information on the SAFE USE and OPERATION of this machine to the operators.

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1. SERIAL NUMBER LOCATION

The model/serial number decal is located on the shroud assembly (black).

(Write model number)

(Write serial number)

The unit's year of manufacture can be determined by the serial number. Contact your nearest sale branch for more information.

This Unit warranty is stated in this Operational and Safety manual on page 16.

An engine owner's manual is also attached to every unit. Engine parts may order from any authorized dealer. Refer to the engine owner´s manual to learn about specifications and part identification.

2. PARTS ORDERING PROCEDURE:

Parts are available nationwide and must be ordered through your local distributor. If you can't locate the distributor in your area refer to page 17 of this manual to locate the nearest branch and contact numbers for assistance.

Saws are intended for use in several applications. They are powered by four stroke gas engines or electric motors and are available in different sizes and manufacturers.

This Operation manual contains only standard parts. Variations of these parts as well as other special parts are not included. Contact your local distributor for assistance in identifying parts not included in this manual.

ALWAYS HAVE READY:

1. Model and serial number of machine when ordering parts.

2. Model and serial number of engine when ordering engine parts.
3. Item part number(S), description, and quantity.
4. Company name, address, zip code, and purchase order number.
5. Preferred method of shipping.

You own the best. If repairs are needed, use only purchased parts from authorized distributors.

3. ASSEMBLING INSTRUCTIONS

UNPACKING

1. Remove the saw and all components from its shipping crate. You will see:
    - Preassembled Saw with no Blade, unless diamond blade was purchased separately.
    - If asked, you will find saws in double stack and handles attached separately.

Note: All installation hardware must be inserted into its respective location on the saw, see parts explosion for more details.

2. If saw is shipped double stacked, using appropriated equipment, hold the upper saw from the frame, unbolt the upper saw from the supports, and bring the saw to the ground and then proceed to bring the lower saw to the ground, using the same appropriated equipment.

Warning: failure to use proper lifting equipment could cause saw to fall and cause serious injury.

3. If saw is shipped regular, using appropriated equipment, bring the saw to the ground from its shipping pallet.
4. Install the handle control assembly, into the walk behind style, and proceed to bolt and torque to 60 ft.-lbs.
5. Bring the saw up using the crank lift and lock at the desired position and lock handle.

ARBOR OR ENGINE SHEAVE INSTALLATION/REMOVAL

1. Standard sheaves on this saw are of the QD design. To remove sheave, remove belt guard and remove belts.
2. Remove (3) hex head cap screws from (position A) sheave bushing.
3. Install (3) caps screws in tapped holes in (position B) sheave bushing.

4. Tighten (3) caps screw alternately and equally until sheaves loosens from bushing.
5. Loosen set screw over keyway in bushing and remove sheave/bushing.
6. Wipe all parts clean before assembly. A light coat of grease can be applied to engine shaft or arbor shaft. Do not place lubricants on tapered bore of sheaves, tapered hub of Q.D. bushing or bolt threads.
7. To install sheaves, line up drilled holes in bushing with tapped holes in sheaves and install cap screw.
8. Align bushing on arbor shaft with bushing on engine shaft and tighten set screw over keyway.
9. Tighten (3) cap screws alternately and equally to 10 ft. lbs. of torque and inspect alignment.
10. Verify sheave alignment with a straight edge to reach between the two sheaves. The sheaves should be aligned with each other to within 1/32".
11. Re-adjust sheave on arbor shaft as required to achieve alignment of within 1/32".
12. When sheaves are aligned properly, install and pretension belts.

BLADE INSTALLATION/REMOVAL

IF BLADE GUARD IS TO BE REMOVED TO SERVICE BLADE, IT MUST BE REPLACED BEFORE RUNNING SAW. NEVER RUN SAW WITHOUT BLADE GUARD INSTALLED!

1. Turn lift/lower crank to raise saw. Lock crank in place with locking handle.
2. Disconnect Spark plug wire.
3. Remove arbor bolt, lock washer, and outside blade collar with pin.
4. Clean and inspect arbor, blade, collars and bolts
5. Verify inside blade collar is fully engaged on arbor and key is positioned properly. **NOTE: Saw uses 4" diameters collars**.
6. Mount blade over shoulder of outside collar. Pin must engage 3/8" diameter hole in blade. Many diamonds blades will have directional arrow on blade.
7. Re-Install outside blade collar and blade onto arbor shaft with 1" diameter shoulder and 3/8" pin engaging inside collar. Install bolt and torque at 60 ft. lbs.
8. Be sure that blade is installed to rotate in correct direction and that the saw is set up for required RPM.

9. Wet cutting diamonds blades must be used with water. Turn water on BEFORE STARTING CUTTING.

4. SAFETY PRECAUTIONS

READ AND STUDY THE FOLLOWING SAFETY INFORMATION BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT. IN ADDITION, ENSURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

WARNING - LETHAL EXHAUST GAS!

An internal combustion engine discharges carbon monoxide, which is a poisonous and odorless invisible gas. Death or serious illness may result if inhaled. Operate only in an area with good ventilation, **NEVER IN A CONFINED AREA!**

WARNING - DANGEROUS FUELS!

Use extreme caution when storing, handling and using fuels - they are highly volatile and explosive in the vapor state. Do not add fuel while engine is running. Stop and cool the engine before adding fuel.

DO NOT SMOKE WHEN REFUELING!

SAFETY GUARDS

It is the owner's responsibility to ensure **ALL GUARDS AND SHIELDS** are in place and in working order.

IGNITION SYSTEMS

Breakerless magneto and batteries ignition systems **CAN CAUSE SEVERE ELECTRICAL SHOCKS,** avoid contact with these components or their wiring.

SAFE DRESS

DO NOT WEAR loose clothing, rings, wristwatches, etc., near machinery.

NOISE PROTECTION

Wear O.S.H.A. specified hearing protection devices.

FOOT PROTECTION

Wear O.S.H.A. specified steel tip safety shoes.

HEAD PROTECTION

Wear O.S.H.A. specified safety helmets.

EYE PROTECTION

Wear O.S.H.A. specified eyes shields, safety glasses, and sweat bands.

DUST PROTECTION

Wear O.S.H.A. specified dust mask or respirator.

OPERATOR

Keep children and bystanders off and away from the equipment. Only trained Operators who fully understand its safety operation may use this equipment.

OPERATOR

For details on safety rules and regulations in the United States, contact your local Occupational Safety and Health Administration (O.S.H.A.) office. Equipment operated in other countries must be operated and serviced in accordance and compliance with any and all safety requirements of such country. The

publication of these safety precautions is done for your information does not by the publication of these precautions, imply or in any way represent that these are the sum of all dangers present near equipment. If you are operating a unit it is your responsibility to ensure that such operation is in full accordance with all applicable safety requirements and codes. All requirements of the United States Federal Occupational Safety and Health Administration Act must be met when operated in areas that are under the jurisdiction of that United States Department.

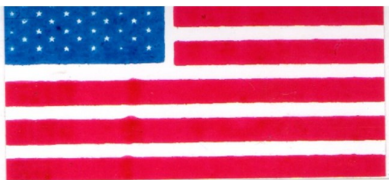
IMPORTANT NOTICE

The **"SAFETY ALERT SYMBOL"** is used to call attention to items or operations that may be dangerous to those operating or working with this equipment. These symbols can be found throughout the manual and on the unit itself. Please read these warnings and cautions carefully.

5. SAFETY NOTICE & DECALS

READ SAFETY DECALS CAREFULLY

Carefully read and follow all safety decals. Keep them in good conditions. If they become aged, replace as required. If repainting, **REPLACE ALL** decals. Decals are available from your authorized Distributors. Decals are not shown to scale.



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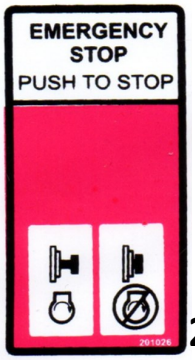

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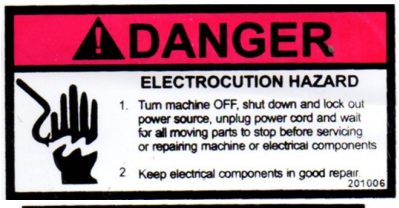

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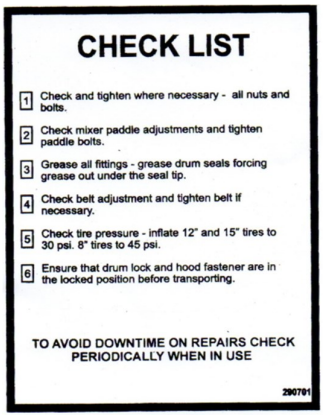

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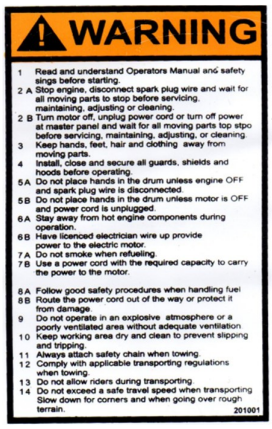

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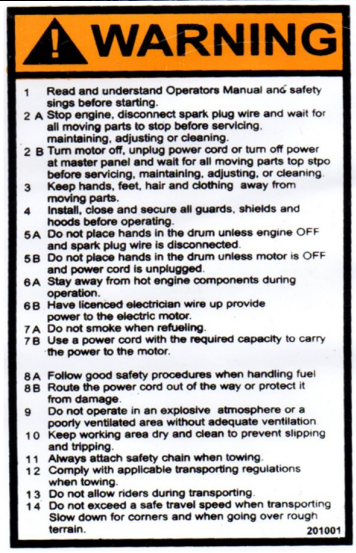

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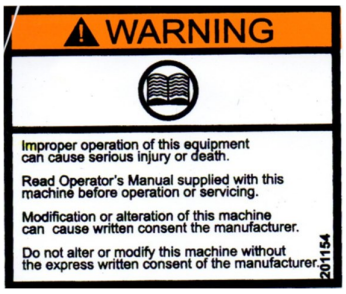

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6. BEFORE OPERATING

- **REMEMBER!** It is the owner´s responsibility to communicate information on the safe use and proper operation of this unit to the operators.
- Before operating, review SAFETY PRECAUTIONS listed on page 6 of this manual.
- Familiarize yourself with the operation of the unit and confirm that all controls function properly BEFORE starting engine.
- Locate the kill switch and assure you know how to STOP the unit.
- Make sure hands, feet, and clothing are at a safe distance from any moveable parts prior to starting.
- Shrouds and guards are provided to protect the operator or structures in close proximity to rotating hot engine parts. It is the **RESPONSABILITY OF THE OPERATOR** to see that they are properly in place. **NEVER** operate this equipment without a guard. The flip half of the guard may be raised only when cutting curb/wall.
- OIL LEVEL - Check the oil level in the engine. For more information see "Lubrication" under the engine "Owner's Manual" the "Maintenance" section of this manual. All saws come without oil. Running an engine without lubrication may damage the engine.
- AIR CLEANER - Check to ensure elements are in good condition and properly installed.
- Review every decal with the OPERATOR.
- FUEL SUPPLY - Engines on Saw equipment require an automotive grade of clean, fresh, unleaded or regular gasoline. **All saws come without gasoline and oil**.
- FUEL FILTER - Check to ensure element is in good condition. Replace if it is clogged or damaged.
- LUBRICATION POINTS – Grease wheels (4), arbor shaft bearings (2) daily.
- POSITION – The only operating position for this saw is between the handle bars at the rear of the saw. If the operator must leave this position the engine must be shut down.
- SPECTATORS – Keep all personnel/spectators away from saw while cutting. Spinning diamonds blades can throw segments; abrasives blades can crack.

7. STARTING ENGINE

IMPORTANT
Engine warranty is void if the engine is run without oil.

GAS ENGINE

1. With the saw engine level with the ground check oil level and add oil and fuel as required.
2. Ensure the stop switch on the unit is in the "Out" position.
3. Prior to starting engine, make sure saw is raised using the manual crank lift and so the diamond blade is clear of any ground contact.
4. Engage the crank lock handle.
5. Move the engine throttle control to the "FAST" position.
6. Choke the engine if necessary. (You may not need to choke a warm engine)

BEFORE STARTING ENGINE MAKE SURE ALL GUARDS ARE IN PLACE.

7. Pull the starter Rope until you feel resistance.
8. Reset the recoil, and then pull with a brisk, firm action.
9. After the engine starts, move the choke lever to the open position, move the throttle level to the "IDLE" position and let the engine warm-up for one or two minutes.

SLOWLY LOWER BLADE INTO CUT. IT IS RECOMMENDED THAT SAW CUTS BE MADE BY NO MORE THAN 2" TO 3" INCREMENTS AT A TIME. GREATER DEPTHS OF CUT MAY DAMAGE THE BLADE.

10. To stop the engine, make sure to let the engine idle before stopping by using the crank lift handle to raise the saw height.
11. Push in the engine stop switch on the saw.
12. Close the fuel valve.

ELECTRIC MOTOR

1. Plug the motor into a suitable power source.
2. Move the switch on the motor to the "ON" position.
3. It is recommended to let the motor idle before running and stopping by using the crank lift handle to raise the saw height.

STOP THE ENGINE OR ELECTRIC MOTOR BEFORE:

- Adding fuel.
- Leaving equipment unattended for any amount of time.
- Making any repairs or adjustments to the unit.
- Lifting/Transportation.

8. OPERATION INSTRUCTIONS

OPERATING

1. After turning engine/motor “ON”.
2. Lower saw blade until it just touches the pavement by turning the manual lift crank clockwise.
3. From this point, each ¼ turn of the lift/lower crank equals ¼” depth of cut.
4. Down the saw cutter guide.
5. Slowly push saw forward to desired cutting area.
6. Cut only in straight line.

DO NOT OPERATE THE UNIT WITH THE BLADE GUARD OPEN/DETACHED!

IF ADDITIONAL CUTS ARE TO BE MADE, TURN WATER VALVE “OFF”, TURN ENGINE “OFF”AND MOVE SAW TO NEXT CUTTING AREA.

10. SERVICE INSTRUCTIONS

- Never service or lubricate the unit engine while running.
- After servicing the unit, restore and fasten all guards, shields, and covers to their original positions.
- Never drain oil into the ground, into open streams, or down sewage drains.

WHEN LIFTING/LOWERING A SAW ALWAYS:

1. Leave lift/lower crank handle in locked position.
2. Stop the engine or electric motor.
3. REMOVE ALL BLADES (leave blade arbor, guards in place)
4. Lift the cutting guide to avoid any contact with the head.
5. Secure any other hardware on the saw.
6. Make sure you use appropriated lifting equipment rated to lift the saw. Have in mind the saw weight.
7. Do not position yourself where you could possibly be pinched or caught between saw and some other obstacle.

TOWING

1. Move saw on the jobsite by hand pushing. Do not tow the saw with another vehicle. The saw may be damage if towed.

CUTTING

1. Make sure you know what you are sawing before making any cuts. Be aware of all utilities i.e. gas lines, electricity, etc. take necessary precautions to prevent injury /death.

STORING

1. Drain fuel tank.
2. Remove blade, collar, and arbor nuts from both ends of arbor.
3. Clean arbor shaft, threads, blade collars and arbor nuts. Coat parts with grease.
4. Lube all bearings
5. Empty water system
6. Clean all moving parts with WD-40 lubricant.

7. Lower saw completely.
8. Cover saw for protection.

ENGINE

See engine owner´s manual maintenance schedule.

ARBOR SET UP

1. Set each belt-arbor tension for 1/4" deflection with a 6 lbs. load in middle of belt span. Over tension or under tensioning belts will cause premature belt failure.
    - To adjust belt tension, loosen hex nut or belt tension bolt (two places).
    - To increase belt tension, turn tension bolts clockwise.
    - To decrease belt tension, turn tension bolts counter clockwise.

    After adjusting belts, make sure engine mount is level to saw frame. Secure position of tension bolts by tightening hex nut (two places).

2. When replacing arbor shaft or pillow block bearings, always adjust bearings so arbor shaft runs PARALELL to rear axle. Torque bearings bolts to 60 ft. lbs.

CLEAN AND INSPECT BLADE COLLARS EACH TIME BLADE IS INSTALLED. REPLACE DAMAGED PARTS. TO REPLACE BLADE PIN, USE ARBOR PRESS DO NOT USE A HAMMER.

LUBRICATION

1. Grease wheels (4), arbor shaft bearings (2) daily. Use high quality grease.
2. Check water system for cleaning. 2 to 5 gallons per minute is required to for wet cutting. Use ¾" ID hose to feed water to saw.

BLADE

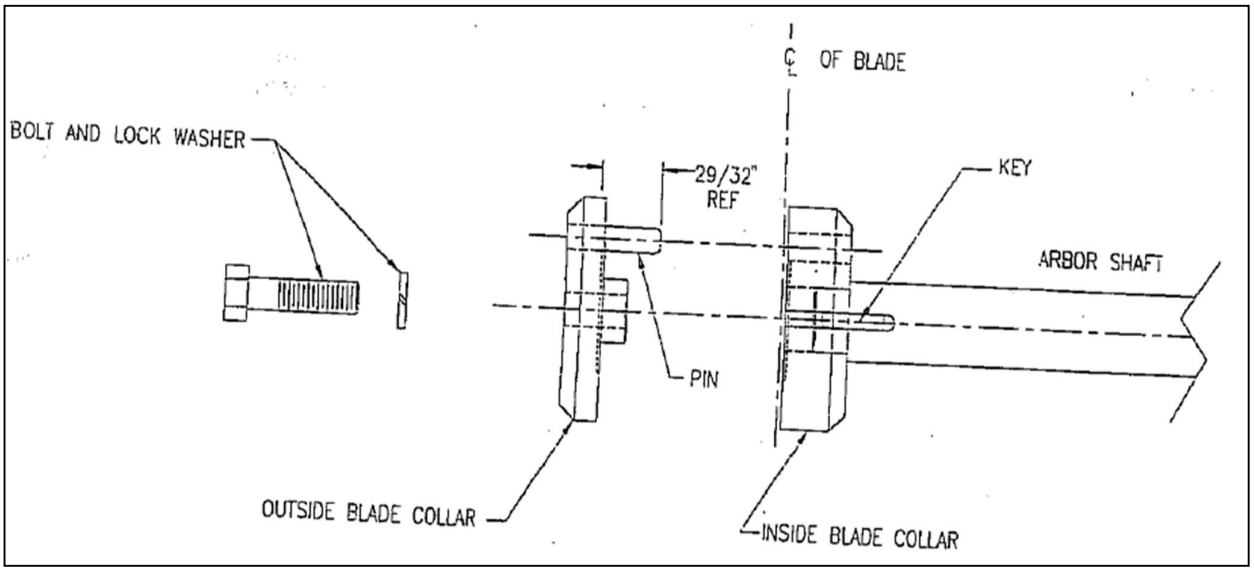
1. Clean blade collars before installing new blade; inspect all blades before installing on saw. Ring test abrasive blades to make sure they are free from cracks; do not use abrasive blades that have been damaged i.e. missing blotters

cracked or missing sections. Inspect diamond blades to make sure they don't have missing segments or stress cracks.

2. Use only blades rates to operate at proper arbor speed (3000 RPM). Use only proper size blade guards on your saw.

SAW ROCK ADJUSTMENT

1. Place saw on flat surface.
2. Locate set screw/jam nut over right end of rear axle.
3. Loosen jam nut.
4. Turn Bolt clockwise to remove saw rock on right front and left rear wheels.
5. Turn Bolt counter clockwise to remove saw rock on left front and right rear wheels.
6. Hold Bolt in desired position and tighten jam nut.



Quick Release Blade – QD

11. MAINTENANCE SCHEDULE

1. Check all hardware after the first 5 hours of use, then follow maintenance schedule.
2. Re-torque the Blade and collar hardware after the first 25 hours of usage, and then follow the maintenance schedule.

	Maintenance	***Each use***	***Every 20 hours***	***Every 50 hours***	***Every 100 hours***	***Yearly***
Engine	Refer to engine operator/owner manual	X				X
Air Cleaner	Refer to engine operator/owner manual	X				X
Oil	Oil change		X			
Bearings	Grease Arbor Shaft Bearings	X				X
V-Belts	Check for excessive wear		X			X
Arbor	Check arbor-belt tension		X			
Hardware	Check and tighten 1,2		X	X		X
Wheels	Grease wheels and check wear	X				X

12. REPLACEMENTS

Parts	**Tolerance or Replacement Cycle**
Engine Components	✓ Refer to your engine manufacturer´s Owner´s Manual
V-Belts	✓ Replace if stretched, cracked or torn.
Blades	✓ Replace if blade present any missing segments or stress cracks.
Arbor	✓ Replace arbor if blade become loose or saws blades break constantly.
Hardware	✓ Re-torque all bolts after the first eight hours of operation and check hardware every 25 hours. Replace any worn or damaged hardware as needed. Replacement hardware should be at lease

Safety Decals

grade 5 or better and zinc plated.

✓ Replace if they become aged, damaged or cannot be easily read.

13. TORQUE CHART

APROXIMATE TIGHTENING TORQUE

SIZE	GRADE 2	GRADE 5	GRADE 8
# 10-24	21 in-lbs	32 in-lbs	45 in-lbs
# 10-32	23 in-lbs	36 in-lbs	51 in-lbs
1/4-20	49 in-lbs	76 in-lbs	9 in-lbs
1/4-28	56 in-lbs	87 in-lbs	10 in-lbs
5/16-18	8 in-lbs	13 in-lbs	18 in-lbs
5/16-24	9 in-lbs	14 in-lbs	20 in-lbs
3/8-16	15 in-lbs	23 in-lbs	33 in-lbs
3/8-24	17 in-lbs	26 in-lbs	37 in-lbs
7/16-14	24 in-lbs	37 in-lbs	52 in-lbs
7/16-20	27 in-lbs	41 in-lbs	58 in-lbs
1/2-13	37 in-lbs	57 in-lbs	80 in-lbs
1/2-20	41 in-lbs	64 in-lbs	90 in-lbs
9/16-12	53 in-lbs	82 in-lbs	115 in-lbs
9/16-18	59 in-lbs	82 in-lbs	129 in-lbs
5/8-11	73 in-lbs	112 in-lbs	159 in-lbs
5/8-18	83 in-lbs	112 in-lbs	180 in-lbs
3/4-10	129 in-lbs	223 in-lbs	282 in-lbs
3/4-16	144 in-lbs	200 in-lbs	315 in-lbs
7/8-9	125 in-lbs	322 in-lbs	454 in-lbs
7/8-14	138 in-lbs	355 in-lbs	501 in-lbs

APROXIMATE TIGHTENING TORQUE

SIZE	GRADE 2	GRADE 5	GRADE 8
1-8	188 ft-lbs	483 ft-lbs	682 ft-lbs
1-12	205 ft-lbs	529 ft-lbs	746 ft-lbs
1-14	210 ft-lbs	541 ft-lbs	764 ft-lbs
1-1/8-7	266 ft-lbs	596 ft-lbs	966 ft-lbs
1-1/8-12	297 ft-lbs	668 ft-lbs	1083 ft-lbs
1-1/4-7	375 ft-lbs	840 ft-lbs	1363 ft-lbs
1-1/4-12	415 ft-lbs	930 ft-lbs	1509 ft-lbs
1-3/8-6	491 ft-lbs	1102 ft-lbs	1787 ft-lbs
1-3/8-12	559 ft-lbs	1254ft-lbs	2034 ft-lbs
1-1/2-6	652 ft-lbs	1462ft-lbs	2371 ft-lbs
1-1/2-12	734 ft-lbs	1645ft-lbs	2668 ft-lbs
M 6	3 ft-lbs	4 ft-lbs	7 ft-lbs
M 8	6 ft-lbs	10 ft-lbs	18 ft-lbs
M 10	10 ft-lbs	20 ft-lbs	30 ft-lbs

CONVERSIONS

in - lbs x 0.083 = ft-lbs

ft - lbs x 12 = in-lbs

ft - lbs x 0.1383 = kg-m

ft - lbs x 1.3558 = N-m

14. WARRANTY

THIS IS YOUR WARRANTY – PLEAE READ AND SAVE

Each new machine is warrantied against any manufacturing defect in material and workmanship under normal use and service for a period of (1) one year. Warranty period begins on first day of use.

1. The obligation under this warranty is limited to the replacement of parts at your factory branch or on an authorized distributor.

2. Machines altered or modified without written consent may void this warranty policy immediately. Misuse, negligence, accidents or the operation of the machines in any other way that the recommended by operation procedures, will void this warranty policy. This warranty shall not apply to machines repaired by other than authorized branches or distributors.

3. The cost of transportation and other expenses related are not covered by this warranty.

4. Written authorization for the return of merchandise under warranty must be obtain from customer service contact. All equipment & parts returned may be sent with a signed RGA (Return Goods Authorization) for its follow up.

5. The Factory reserves the right to inspect and render the final decision on each warranty case.

6. The Factory reserves the right to improve or make product changes without incurring any obligation to update, refit or install on machines previously sold.

7. The Factory is not responsible for any liability, damage or injury directly or indirectly from the design, material or operation of its product.

8. Warranty request must be submitted in written within 30 days after machine failure to The Factory customer service.

9. THE WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR USE AND OF ALL OTHER OBLIGATION OR LIABILITIES ON OUR PART. MOTOR AND THEIR COMPONENTS ARE COVERED BY THE ENGINE MANUFACTURE.

15. WAREHOUSE LOCATIONS

REMEMBER - **you own the best. If repairs are need use only parts purchased from an authorized distributor.**

The Factory Has established a network of reputable distributors with trained mechanics and full facilities for maintenance and rebuilt, and to carry an adequate stock parts in all areas of the country. Their sales engineers are available for professional consultation. If you cannot locate your distributor contact our sales branch listed below.

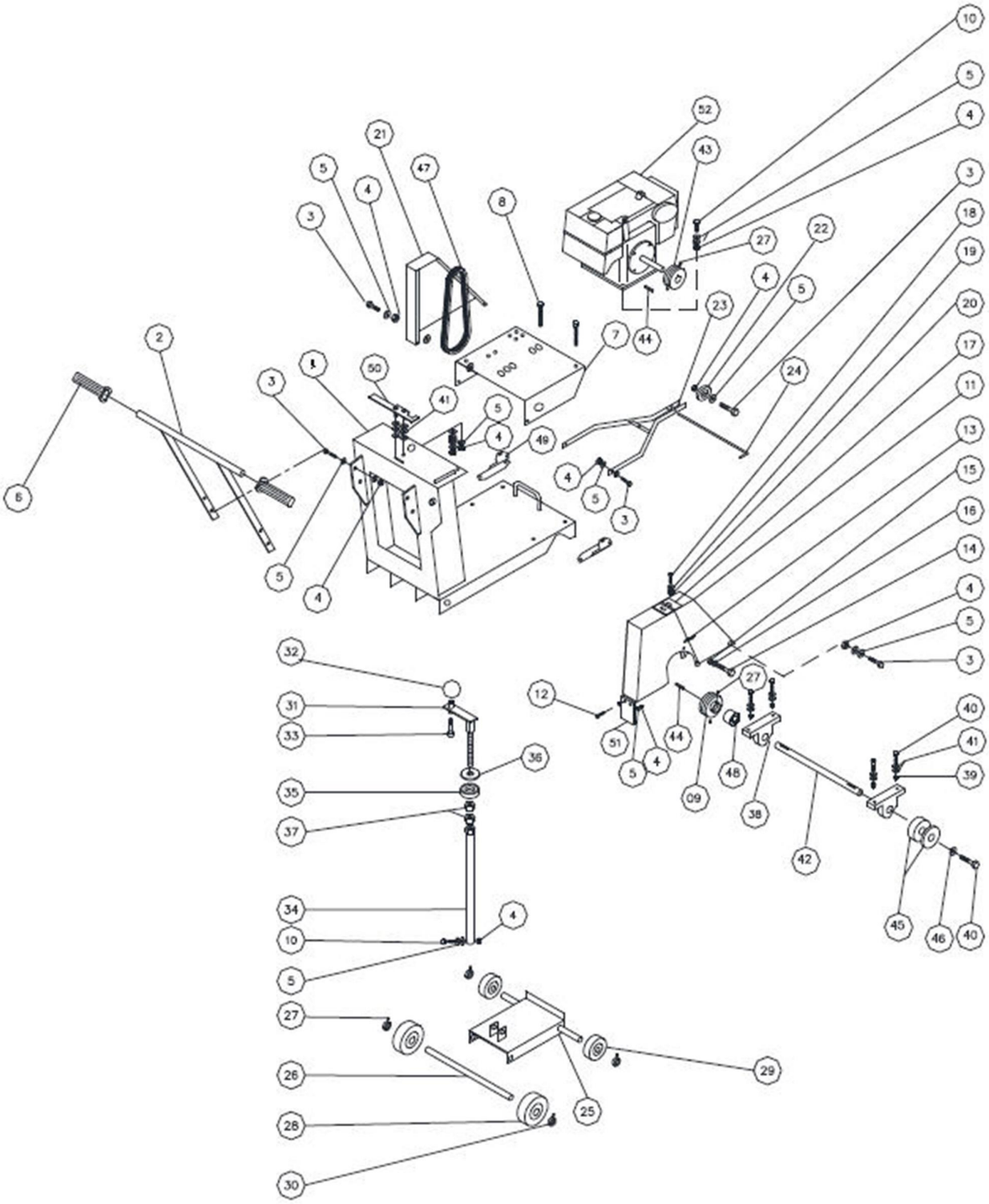
Virginia Abrasives

2851 SERVICE ROAD
Petersburg, VA 23805
800.446.1805

sales@virginiaabrasives.com

VIRGINIA ABRASIVES™

18. PARTS LIST 18” SAW



SAW CONCRETE			
No.	# PART	DESCRIPCION	CANTIDAD
1	0405CO01CH	FRAME	1
2	0405CO01MA	HANDLE	1
3	TOCD038114	BOLT 3/8x1 ¼	10
4	TCCS038GAL	LOCK NUT 3/8"	19
5	RNPX038GAL	PLAIN WASHER 3/8	45
6	0000RF01MA	HANDLE GRIP	2
7	0405CO01BM	POWER BASE	1
8	TOCD038312	BOLT 3/8 X 3 1/2	2
9	POFG3121143R	PULLEY 3 1/2 CAL 1-1/4	1
10	TOCD038200	BOLT 3/8 x 2	4
11	0405CO01GD	BLADE GUARD	1
12	TOCD038100	BOLT 3/8 x 1	2
13	0405RE01GD	SPRING GUARD LOCK	1
14	TOCD014100	BOLT 1/4 X 1	2
15	TCCS014GAL	LOKC NUT 1/4	2
16	RNPX014GAL	PLAIN WASHER 1/4	4
17	0405MI02GD	BOOK HINGE	1
18	TOCMR036GAL	BOLT GOUTHEAD 3/16 X 1	6
19	RNPX036GAL	PLAIN WASHER 3/16	6
20	TCCS036GAL	LOCK NUT 3/16	6
21	0405CO01GB	BELT GUARD	1
22	0405MI01GC	WHEEL GUIDE	1
23	0405CO01GC	CUTTING GUIDE	1
24	0405CR01GC	POINTER ROD	1
25	0405CO01RD	AXLE BASE	1
26	0405CR01RD	REAR AXLE	1
27	OPCR056056	ALLEN SCERW 5/16	8
28	0000RD08RD	WHEEL 8	2
29	0000RD04RD	WHEEL 4	2
30	0405CR02RD	WHEEL BUSHING	4
31	0405CO01TE	RAISE SCREW	1
32	238202	BALL KNOB	1
33	TOCD012212	BOLT 1/2 X 2 1/2	1
34	0405CO02TE	DEPTH SCREW TUBE	1
35	0000BA0602	NICE BEARING 602	1
36	RNPX034GAL	PLAIN WASHER 3/4	1
37	TCCN034MAQ	LOCK NUT 3/4	1
38	00CHPI2114	PILLOW BLOCK BEARING	2
39	TCCS012GAL	LOCK NUT 1/2	4
40	TOCDR012200	BOLT 1/2 X 2	5
41	RNPX012GAL	PLAIN WASHER 1/2	4
42	0405CR01CO	BLADE SHAFT	1
43	POFG3121003R	PULLEY 3 1/2 CAL 1	1
44	0405CC01CO	KEY 1/4	2
45	0405CO01GC	LOOSE COLLAR	2
46	RNRX012GAL	WASHER SPRING 1/2	1
47	0000BN3VX315	BELT 3V X 315	3
48	0405CR02RD	COLLAR SPACE	1
49	0405LA01GC	BRACKETS	2
50	0405CO01FR	HANDLE BRACKETS	1
51	0405MI01GD	FENDER	1
52		MOTOR	1