

SERIAL #: \_\_\_\_\_  
ENGINE #: \_\_\_\_\_

# M35

## OWNERS

## MANUAL

# **WARNING**

- If operated improperly, this machine may cause serious injury or death.
- Do not wear loose clothing when operating this machine, as it may become entangled in the equipment.
- Stay clear of all moving parts when the machine is running.
- ALWAYS confirm the machine is OFF and properly secured before servicing.
- ALWAYS wear safety glasses, sound protection (ear plugs), hand protection (gloves), and steel-toed boots when operating this machine.
- NEVER stand in water while operating this machine (ELECTRIC MODEL).
- ALWAYS use properly grounded power cords (ELECTRIC MODEL).
- Power cords should ALWAYS be the proper wire gauge for each particular application (ELECTRIC MODEL).
- ALL extension cords should be plugged into a “ground fault interrupter” (ELECTRIC MODEL).
- NEVER use extension cords that are in any way damaged, frayed or cut (ELECTRIC MODEL).
- ALWAYS use the proper cutting RPM as specified by your blade manufacturer.
- ALWAYS shut off the machine before changing the blade (UNPLUG ELECTRIC MODEL before changing the blade).
- Ensure proper position and security of ALL safety guards before operating this machine.
- ALWAYS inspect the machine before use for safe operation.
- FIRE HAZARD! Inspect for any leaking fluids (gas, oil and etc.) prior to operation of this machine.

## **WARNING Continued**

- DO NOT attempt to off-load any piece of equipment on uneven ground of any degree of slope. DO NOT leave equipment unattended on uneven ground. Injury or death may occur.

**THIS EQUIPMENT SHOULD NOT BE OPERATED BY ANYONE UNDER THE AGE OF 18.**

# **LIMITED WARRANTY**

## **WARRANTY:**

Morley Equipment Company warrants that at the time of shipment, the product manufactured by Morley Equipment Company and sold hereunder shall be free from defects in material and workmanship.

## **WARRANTY ADJUSTMENTS:**

Morley Equipment Company agrees to repair or furnish any faulty component within 30-days from date of purchase, provided the machine is operated and maintained in accordance with Morley Equipment Company owner's and engine manuals and operating instructions.

One (1) year warranty on major components (such as engine, drive motors, hydraulic pump, hydraulic motor and etc.) with an authorized service facility. If examinations by Morley Equipment Company prove a defect within warranty, receipt verifying purchase date and serial numbers are required to obtain adjustment.

No product will be accepted for return or replacement without prior authorization by Morley Equipment Company. Products returned are addressed to:

**Morley Equipment Company**  
**41161 Sandalwood Circle, Murrieta, CA 92562**  
**(951) 894-5558**

## **EXCLUSIONS FROM WARRANTY:**

This warranty does not extend to any product supplied by Morley Equipment Company which has been subjected to misuse, neglect, accident, improper installation or used in violation of instructions provided by Morley Equipment Company.

# **SAW INFORMATION**

1. This Manual provides the basic instructions for the operation and maintenance of the M35 concrete saw. All saw manuals are also available for download on our website at [www.morleysaws.com](http://www.morleysaws.com). An engine manual is also provided with each saw.

2. **M35 Air-Cooled:**

MOTOR:	Briggs & Stratton Vanguard Big Block - 4 - Stroke, Air Cooled, VTwin, 35hp, Gas
Drive Unit:	Hydrostatic Transmission
Water Pump:	Self-priming Electric (Optional)
Spindle:	1-7/16" with Tap-base Pillowblock Bearings
Arbor Size:	1"
Blade Capacity:	12 to 26" Diameter
Depth Control:	Hydraulic Raise/Lower w/locking stop
Fuel Capacity:	4-Gallons
Weight:	690-Lbs.
Length:	39"
Width:	26.5"
Height:	39"

## **OPTIONAL EQUIPMENT**

1. Bladeguard – Comes standard with 20" guard. 16" and 26" available as options.
  2. Night Light
  3. Electric Water Pump
3. The new machine was test-run before leaving Morley Equipment Company, however, check all fluid levels before operation.

4. **LUBRICATION/SERVICE CHART**

<b>ITEM</b>	<b>CHECK</b>	<b>LUBRICANT</b>
Hydrostatic Transmission (F/R)	Monthly	20W-50 Motor Oil
Air Filter	Weekly	Service as required
Hydraulic Pump (R/L)	Monthly	ATF
Spindle Bearings	As Required	Grease
Pivot Axle	As Required	Grease
Front Wheels	As Required	Grease

## **Belt Replacement/Adjustment**

5. To adjust or replace the belts, loosen the 3/8" "pinch" bolts, one on either side at the front of the motor base plate, and the two 1/2" bolts that run vertical at the front of the motor plate. This allows the motor to be raised or lowered, loosening the belts for replacement or tensioning. Then raise the motor and tighten the bolts after belt replacement or to adjust tension. It is important that the tension is just enough to drive without slipping. Too tight shortens bearing life, too loose shortens belt life.

**BELTS:** Drive Belts; 3VX375 (5); Hydraulic Pump Belts: 4L370 or A-35

## **CONTROL OPERATING INSTRUCTIONS**

1. **WATER SUPPLY:** Connect the water supply to the inlet fitting, and open the water valve to control the flow.
2. **RAISE/LOWER:** By pulling back the Raise/Lower lever, a handle activates a hydraulic pump to raise the saw. Push the lever forward to lower the saw. You can control the lowering speed by opening the valve gradually. For adjusting the handle assembly, see Raise/Lower Valve Adjustment page.
3. **SPEED CONTROL:** The Forward/Reverse lever determines forward and reverse speeds, with a "neutral" position in between. By pushing the speed control lever forward, the saw will move forward at variable speeds. Pulling the lever back does the same in reverse.
4. **BLADE FITTING:** Remove spindle nut with provided blade wrench. On the right hand side of the machine is the reverse thread. Install blade and tighten nut with wrench and hammer provided. Ensure blade guard is secure before starting.
5. **STARTING THE ENGINE:** See Engine Manual.
6. **POSITIONING THE SAW:** This is a rear-pivot saw. It's designed to be maneuvered on the rear wheels. Position the handlebars to suit the operator. Pushing down on the handlebars will lift the front wheels off the ground, allowing you to maneuver the saw left or right.

7. **CUTTING:** Lay out the cuts using a chalk line or string and paint. Align your pointer guide with the blade, pointer guides do not come aligned from the factory. When aligned and positioned, turn on the water and lower the saw to desired cut depth, then drive the saw forward to a comfortable cutting speed. It is recommended to step-cut - i.e. take several passes to reach desired depth. If step-cutting, return the saw to the original insertion point and lower the blade to the secondary depth and repeat the cut.
  8. **CLEANING:** The entire saw should be thoroughly washed weekly or as required. Use caution when cleaning near the electrical components. Be sure to clear any debris -dust, slurry, etc. - out of the radiator's cooling fins as required.
  9. **STORAGE:** Always lubricate the saw after cleaning. A fine coat of WD40 will help remove future slurry.
  10. **CALIBRATION:** Always check alignment. The spindleshaf and rear axles must be aligned to insure the saw travels straight and the blade moves parallel to the rear wheels.
  11. **REPLACEMENT PARTS:** All replacement parts must be ordered from Morley Equipment Company or an authorized distributor to effect Warranty. Please supply saw Model and Serial Number if possible when ordering parts.
  12. **QUESTIONS AND CONCERNS:** Should you have any questions relative to the operation or servicing your equipment, do not hesitate to contact **Morley Equipment Company at (951) 894-5558** or email us at **morleyequipco@gmail.com**. A Parts List for the saw is also available on-line at **www.morleysaws.com**.
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# **M35 PARTS LIST**

## **Briggs & Stratton Vanguard Big Block V-Twin**

<b>PARTS#</b>	<b>REQUIRED</b>	<b>DESCRIPTION</b>
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### **SPINDLESHAFT ASSEMBLY**

1100-35	1	Spindleshaft
1101-35	2	Pillow Block Bearing
1115-35	2	4 1/2" Inner Collar
1116-35	2	4 1/2" Outer Collar
1104-35	1	Left-hand Nut
1105-35	1	Right-hand Nut
1106-35	1	Sheave – 5 Groove
1107-A	1	Bushing – Taper Lock
1121-35	1	Key - 3/8"
1109-35	2	Key - 1/4"
4121-35	5	Drive Belts: 3VX 375

### **FRONT AXLE ASSEMBLY**

5100-35	1	Weldment
3002-35	2	Front Wheel - 6" x2"
2103-35	2	Collar - 1"
2104-35	2	Pillow Block Bearing - 1"
2105-35	2	Pin - 5/8" x 3.5"

### **HYDRAULIC RAISE/LOWER ASSEMBLY**

3100-35	1	Pump Motor
3101-35	1	Raise Flow Control Valve
3102-35	1	Hydraulic Cylinder
3103-35	1	Raise/Lower Assembly
3106-35	1	Solenoid
3015-35	1	Lowering Solenoid Valve

<b>PART#</b>	<b>REQUIRED</b>	<b>DESCRIPTION</b>
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### **HYDROSTATIC DRIVE ASSEMBLY**

4100-35	1	Hydraulic Pump
4101-35	2	Wheel Motor
4103-35	2	Wheel Hub
3001-35	2	Rear Wheel - 10" x 3"
4105-35	1	Filter Assembly
4106-35	1	Filter
4107-35	1	Reservoir - Plastic
4201-35	1	Forward/Reverse Lever Assembly
4109-35	1	Drive Cable
4110-35	2	Cable End - Balljoint
4111-35	1	Hydraulic Pump Belt 4L370 or A-35
4112-35	1	Wheel Motor Bracket
4113-35	1	Hydrostatic Drive Pump Bracket
41010-35	2	Cable End - Balljoint

### **POINTER ASSEMBLY**

5101-35	1	3" Pointer Wheel
5102-35	2	Delrin Bushing
5103-35	2	Pointer Cable
5104-35	1	Lift Cable
5100-35	1	Weldment

### **FRAME CONSOLE**

6100-35	1	Mainframe
6101-35	1	Console
6102-35	1	Belt Guard - Left Side
6104-35	1	Belt Guard - Right Side Rear
6105-35	1	Rear Cover
3022-35	2	Handlebar
3026-35	2	Locking T - Handle
6110-35	1	4 Gallon Fuel Tank
6118-35	1	Fuel Tank Cap



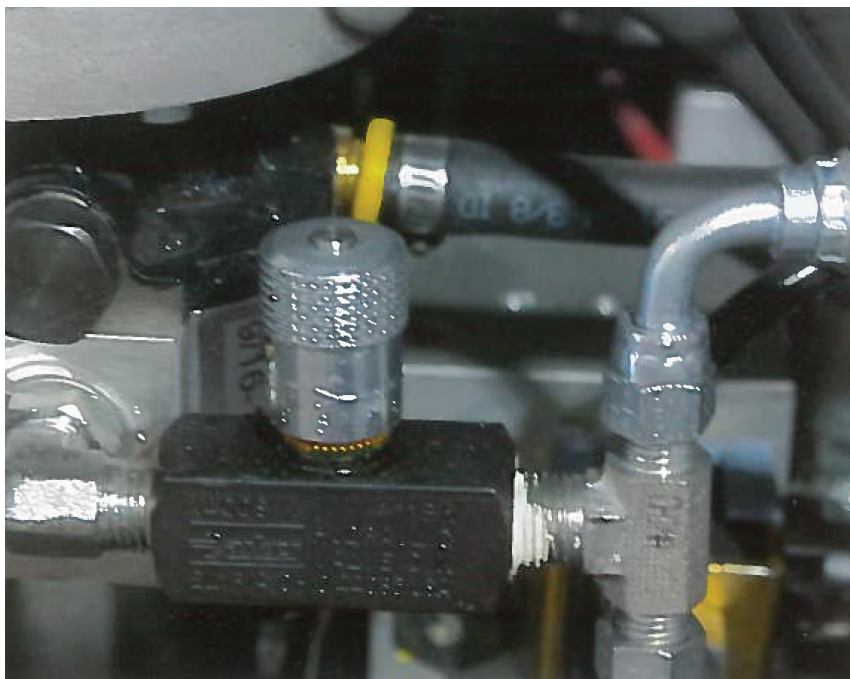
PART#	REQUIRED	DESCRIPTION
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### ENGINE

7106-35	1	Briggs & Stratton Vanguard Big Block - 4 Stroke VTwin, Gas
7103-35	1	Air Filter
7104-35	2	Air Filter Elements
3031-35	1	Throttle Cable 48"
7201-35	1	Choke Cable
7113-35	1	Sheave – 6-groove

### BLADEGUARD ASSEMBLY

8100-35	1	Water Distribution Block w/Hose Fittings
8181-35	2	Outlet Water Hose - 1/4"
8102-35	1	Inlet Water Hose - 1/2"
9110-35	1	Water Valve
8104-35	1	Mud Flap
8109-35	1	16" Bladeguard
8105-35	1	20" Bladeguard
8106-35	1	26" Bladeguard



### FLOW CONTROL VALVES

Inside the rear access panel on the left side is a flow control valve that allows you to adjust the raising speed.

On the righthand side below the fuel tank is a flow control valve to adjust the lowering speed.

# M-35 Tank Information



## Gasoline Tank

Located top right when standing at the operating controls.

Use unleaded gasoline.

## Hydraulic Raise Fluid Tank

Located underneath the right handle bar.

Use standard automatic transmission fluid.

## Hydrostatic Drive Oil Tank

Located at the center right side of the machine when standing at the operating controls.

Use 20w-50 motor oil.



Hydrostatic Drive Oil Tank -  
20w-50 Motor Oil



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
2023 MODEL YEAR  
CERTIFICATE OF CONFORMITY  
WITH THE CLEAN AIR ACT**

**OFFICE OF TRANSPORTATION  
AND AIR QUALITY  
ANN ARBOR, MICHIGAN 48105**

**Certificate Issued To:** Briggs & Stratton LLC  
(U.S. Manufacturer or Importer)  
**Certificate Number:** PBSXS.9932VB-035

**Effective Date:**  
10/14/2022  
**Expiration Date:**  
12/31/2023

  
Byron J. Bunker, Division Director  
Compliance Division

**Issue Date:**  
10/14/2022  
**Revision Date:**  
N/A

**Manufacturer:** Briggs & Stratton LLC  
**Engine Family:** PBSXS.9932VB  
**Useful Life :** 1000 Hours / 5 Years  
**Engine Class :** Nonhandheld-Class II  
**Fuel :** Gasoline (up to and including 10% Ethanol)  
**Emission Standards (g/kW-hr):**  
Alternate CO (Gasoline Only): 549  
**FELS :**  
HC + NOx ( g/kW-hr ) : 7.6

Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547), 40 CFR Part 1054, 40 CFR Part 1068 and 40 CFR Part 60 (stationary only and combined stationary and mobile), and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued for the following small nonroad engine family, more fully described in the documentation required by 40 CFR Part 1054 and produced in the stated model year.

This certificate of conformity covers only those new small nonroad engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 1054 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 1054. This certificate of conformity does not cover small nonroad engines imported prior to the effective date of the certificate.

This certificate of conformity is conditional upon compliance of said manufacturer with the averaging, banking and trading provisions of 40 CFR Part 1054, Subpart H both during and after model year production. Failure to comply with these provisions may render this certificate void *ab initio*.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068.20 and 1068, Subpart E and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 1054. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 1054, 40 CFR Part 1068.

This certificate does not cover small nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.