12V ATV 80LB SPREADER



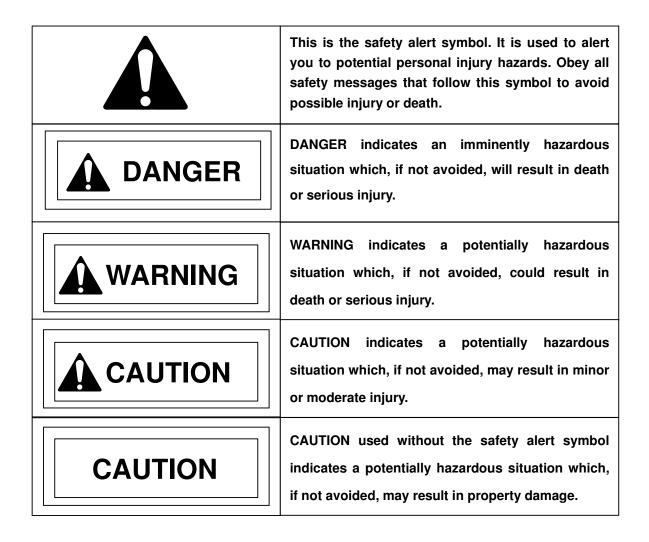
Instruction & Assembly

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

Table of Contents

| Hazard Signal Word Definitions | 3 |
|---|----------|
| Safety Warnings and Precautions | 4 |
| Specific Safety Rules & How to Operate Safety | 5 |
| Unpacking | 6 |
| Assembly Instructions | 7, 8 |
| Operation Instructions | 9, 10 |
| Maintenance and Storage & Specification | 11 |
| Parts Drawing & Parts List | . 12, 13 |
| Limited Warranty | 14 |

Hazard Signal Word Definitions



ABOUT YOUR ATV SPREADER

This ATV spreader is designed to spreader a wide range of materials (Fertilizer, Grass Seed and Ice Melt). Materials such as Powders, Manure, Top Soil, Gravel, and Mulch have the wrong physical characteristics and should not be used with this spreader. Never exceed the rated load capacity of 80lbs when operating the spreader.

Safety Warnings and Precautions

- ▲ Warning: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment. Read all instructions before using this tool!
- 1. Keep work area conditions. Cluttered areas invite injuries.
- **2. Additional work area conditions.** Do not use machines or power tools in damp or wet locations. Do not expose to rain. Keep work area well lighted.
- **3. Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- **4. Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- 5. Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- **6. Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- **7. Use eye protection.** Always wear ANSI approved impact safety glasses underneath a full-face shield during use. Also, wear heavy duty work gloves.
- **8. Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- **9. Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handles must be kept clean, dry and free from oil and grease at all times.
- **10. Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before starting work.
- **11. Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- **12. Check for damaged parts**. Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged should be replaced.
- **13. Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool.
- **14.** Do not operate tools if under the influence of alcohol or drugs. Read warning label on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
- ▲ WARNING: The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Specific Safety Rules

- **1-** Always wear protective clothing, eyewear, and dust mask to prevent contact with chemical and other materials being applied with this machine.
- 2- Remove any material in hopper before lifting or detaching this machine from the vehicle.
- **3-** Care must be taken when lifting this machine so as not to cause personal injury or equipment damage. Never attempt to install this machine to the vehicle alone. Recruit the help of someone to assist when attaching and detaching this machine from the vehicle.
- **4-** Refer to the material packaging or the Material Safety Data Sheet for precautionary measures required when handling materials to be applied.
- 5- Before attaching this machine, consideration must be given to the load capacity of the vehicle. Refer to the owner's manual of the vehicle for rated load capacity. Be sure to take into account the weight of this machine 20lbs and the weight of the material to be placed in the hopper when calculating the total load.
- **6-** Keep hands, body parts and loose clothing away from any spinning object.

How to Operate Safety

- **1-** Read, understand, and follow all product label information provided on the material being applied.
- **2-** An adjustable solid stop is provided that allows the operator to adjust to the desired opening position on the rate setting control prior to operation of the vehicle. This allows repeatability to the stop without the need to look at the control while operation the vehicle.
- **3-** Establish the correct rate and then lock the stop in that position using the thumb wing nut on the setting control.

Unpacking

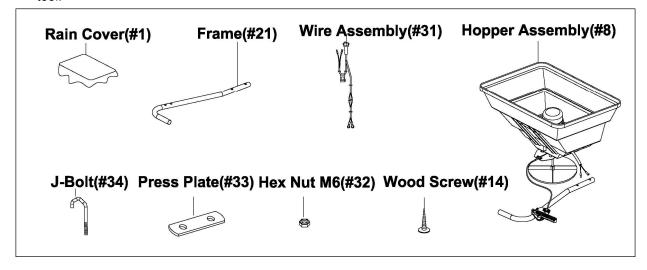
INSTRUCTIONS

When unpacking the tools:

- 1- Carefully remove the tool and accessories from the box.
- 2- Make sure that all items listed in the packing list are included.
- **3-** Inspect the tool carefully to make sure no breakage or damage occurred during shipping.

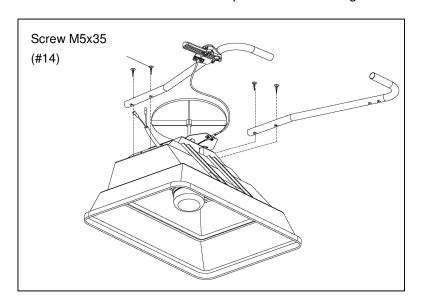
warning: If any parts are missing do not operate the tool until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

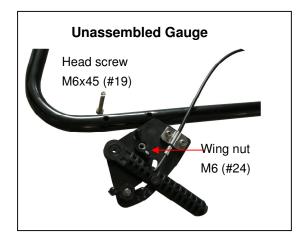
4- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

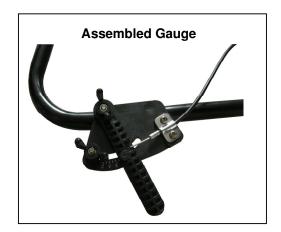


Assembly Instructions

- 1. Turn the Hopper Assembly (#8) Upside-down
- 2. Attach Frames (#21) to Hopper Assembly (#8) using four M5x35 Screws (#14) as shown.
- 3. Connect the Rate Control Assembly already wired to the Hopper Assembly to the frame using the Round Head Screw M6x45 (#19) and Wing Nut M6 (#24) already attached to the Rate Control Assembly.
- 4. Position the Rate Control Assembly to either frame rail based on if the spreader is mounted to the front or the rear rack. If mounted on front rack the control should be positioned to the left rail, if mounted on the rear rack the control should be positioned on the right rail.







How to attach to your ATV

■ Position the assembled spreader centered on either the front or rear luggage rack on your ATV. Next using the included "J-Bolts", connect the rear cross bars to the luggage rack cross bar closet to the seat or handlebars. Using the 2 included "Double J-Bolts", attach the spreader to the luggage rack securing it to the outer most rail on the luggage rack. Tighten all fasteners and cut any excessive bolt lengths that extend beyond the nuts on the "U & J-Bolts" and smooth if necessary.

⚠WARNING: Prior to each use, inspect the mounting hardware and the spreader to ensure the rigidity of the mount by tightening any loose hardware either on the Spreader or Luggage Rack mounts.

Operation Instructions

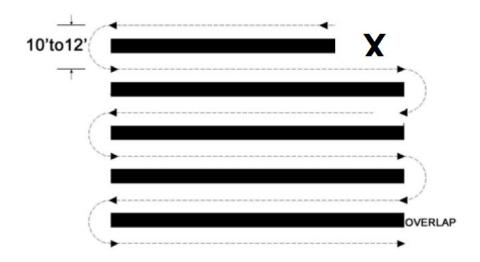
WARNING

Before using the ATV spreader, review the instructions below and safety information before operating. Failure to follow these instructions may result in property damage or injury to the operator or bystanders.

USING YOUR SPREADER

- 1. Inspect your spreader before each use. Make sure the impeller still moves when the motor is on. The hopper should be clean and free from cracks.
- Determine approximate square footage of the area to be covered and estimate amount of material required. Please refer to the spreader setting instructions on the next page to obtain the proper spreader setting.
- 3. Spreader is useful for spreading a range of materials (Ice Melt, Fertilizer & Grass seed). Materials such as Powder, Manure, Top Soil, Gravel, and Mulch have the wrong physical characteristics and should not be used with these spreaders.
- 4. Before filling the hopper, make sure that the flow control lever is in the backed position and the flow control plate is closed.
- 5. Make sure the motor is installed correctly on the hopper before starting the spreader.
- 6. Break up any lumpy fertilizer as you fill the hopper.
- 7. Once you have determined your proper spreader setting and are using the spreader, keep the following thoughts in mind to optimize spreading results: Always set the adjustable stop with the flow control to the closed position and continued moving one more stride whenever you are about to stop or turn the ATV. This action will close the flow control plate and stop the dispersing if material, which will result in reduced waste and avoid damaging the lawn with oversaturated material.
- 8. To maintain the same coverage when operating your ATV at different speeds, adjust the flow rate. Reduce the flow setting for slower speeds and increase the flow setting for higher speeds.
- 9. Keep the impeller plate horizontal when operating the spreader. Tilting the spreader will result in uneven coverage.
- 10. Before opening the flow control closure plate makes sure the ATV is started and moving forward.
- 11. If spreading material is accidentally deposited too heavily in a small area, soak the area thoroughly with a garden hose or sprinkler to prevent burning the lawn.
- 12. To ensure consistent coverage, make sure each scatter pattern slightly overlaps the previous scatter pattern as shown in figure below. The approximate scatter widths for different materials are shown in the application chart.
- 13. When scattering spreading material, make sure the scatter pattern does not hit evergreen trees, flowers or shrubs.
- 14. Make sure you are appropriately dressed, including sturdy footwear. Protect yourself by wearing gloves and a dust make when handling chemical lawn products that contain pesticides and herbicides.
- 15. Do not over apply spreading material. Follow the recommended coverage rate for each product. Over application will lead to lawn damage and contamination.

Spreader Flow Pattern



If rate settings are not available, use the following procedure to calculate the setting.

- 1- Determine how much material is to be applied per 1,000 sq/ft.
- 2- Measure off a distance of 50 feet, preferably on a paved surface such as a parking lot.
- **3-** Weight out enough of the material to be applied to fill the hopper at least half full. Record the weight for future use.
- **4-** With the unit mounted on the vehicle and the hopper at least half full of the material to be spread, position the vehicle far enough before the beginning of the 50-foot test area so that the vehicle will achieve the desired speed before you reach the starting line.
- 5- Set the rate setting stop at a position that you feel would be an appropriate setting.
- **6-** Start the vehicle in motion and as you cross the starting line (of the 50 feet) move the rate lever to the open position against the stop. Take care to be aware of what is going on around you when maintaining control of the vehicle.
- **7-** Continue from the starting line with the unit spreading the material. As you cross the finish line, move the rate lever to the closed position.
- **8-** Stop the vehicle and note the width of the spread path that as just completed.
- **9-** Return to the start point and empty the remaining material from the hopper into your weighing container and re-weight.

Maintenance and Storage



WARNING

Improper maintenance and storage of the push spreader may void your warranty.

MAINTENANCE

- After each use clean material out of hopper.
- Rinse/dry inside and outside of the spreader after each use.
- · Periodically check all fasteners for tightness.
- Annually clean and lightly lubricate parts.
- Use a glossy enamel spray paint to touch up scratched or worn painted metal surfaces.
- Never exceed load capacity rating of 80lbs it will damage the spreader.

IMPORTANT:

If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operations.

STORAGE

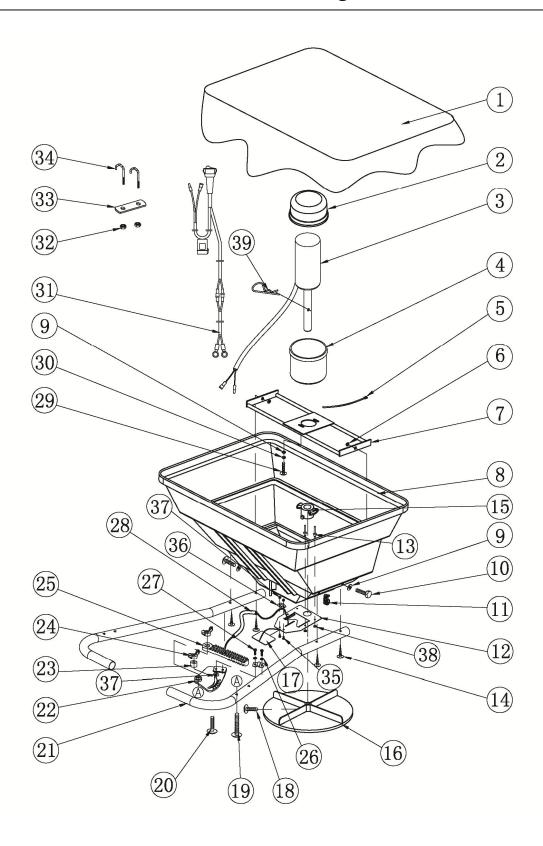
- Never allow material to remain in the hopper for extended periods of time.
- Before storing make sure the spreader is clean and dry for years of trouble-free service.
- Store indoors or protected area during severe weather and winter months.

Specifications

| Load Capacity | 80lb |
|--------------------|---------------|
| Hopper Material | Polypropylene |
| Motor | 12 Volt |
| Overall Dimensions | 20"x17"x21" |

The manufacturer reserves the right to make improvements in design and/or changes in specifications at any time without incurring any obligation to install them on units previously sold.

Parts Drawing



Parts List

| REF# | DRAWING# | DESCRIPTION | QTY |
|------|----------------|------------------------|-----|
| 1 | N510-00023 | Rain Cover | 1 |
| 2 | N510-00006 | Electric Motor Lid | 1 |
| 3 | N510-00007 | Electric Motor | 1 |
| 4 | N510-00005 | Electric Motor Cover | 1 |
| 5 | N510-00002 | Tie | 1 |
| 6 | 9206-06000-DG | Lock Nut M6 | 2 |
| 7 | N510-10000 | Motor Support | 1 |
| 8 | N510-00001 | Hopper Assembly | 1 |
| 9 | 9301-06000-DG | Flat Washer Ø6 | 4 |
| 10 | 9101-06016-DG | Hex Bolt M6x16 | 2 |
| 11 | N510-00009 | Wire Clamp | 1 |
| 12 | N580-00007 | Fixing Plate | 1 |
| 13 | 9505-05013-FH | Rivet Ø5x13 | 4 |
| 14 | N510-00012-DG | Screw M5x35 | 4 |
| 15 | N510-00004 | Center Spacer | 1 |
| 16 | N510-00003 | Turning Plate | 1 |
| 17 | N580-00014 | Adjustment Plate | 1 |
| 18 | 9110-04020-DG | Round Head Screw M4x20 | 1 |
| 19 | 9110-06045-DG | Round Head Screw M6x45 | 1 |
| 20 | 9114-06025-DG | Carriage Bolt M6x25 | 1 |
| 21 | N510-00013 | Frame | 2 |
| 22 | NA80-00001 | Gauge Assembly | 1 |
| 23 | N510-00016 | Spacer | 1 |
| 24 | N510-00019 | Wing Nut M6 | 2 |
| 25 | N516-00012 | Adjust Handle | 1 |
| 26 | 9306-05000-DG | Lock Washer Ø5 | 2 |
| 27 | 9110-05016-DG | Screw M5x16 | 2 |
| 28 | N510-20000 | Adjustment Wire | 1 |
| 29 | 9110-06016-DG | Round Head Screw M6x16 | 2 |
| 30 | 9306-06000-DG | Lock Washer Ø6 | 2 |
| 31 | N510-00008 | Wire Assembly | 1 |
| 32 | 9201-06000-DG | Hex Nut M6 | 8 |
| 33 | N510-00021-DG | Press Plate | 4 |
| 34 | N510-00022-DG | J-Bolt | 8 |
| 35 | 9110-05016-DG | Round Head Screw M5x16 | 2 |
| 36 | N580-00009-DG | Wire Clamp Press Plate | 2 |
| 37 | 9206-05000-DG | Nylon Lock Nut M5 | 4 |
| 38 | 9301-05000-DG | Flat Washer Ø5 | 4 |
| 39 | N580-00015-BXG | R Pin | 1 |

Limited Warranty

Warranty

For one year from the date of purchase YTL International will replace for the original purchaser, or repair the spreader. The warranty will not apply to any unit which was not assembled correctly, misused, overloaded or which has been used or operated contrary to our instructions, or which has been repaired or altered by anyone other than an authorized representative.

Warranty Exclusions

This warranty does not cover cosmetic defects such as paint, decals or wear items such as tires. This warranty will not cover failures or problems due to acts of God, or events or forces beyond the control of the manufacturer.

Normal Wear Exclusion

The spreader needs periodic service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance Exclusion

This warranty will not apply to parts and/or labor if the spreader has been misused, neglected, involved in an accident, abused, loaded beyond its limits, modified or assembled incorrectly. Normal maintenance is not covered under this warranty.

Limits of Implied Warranty and Consequential Damage Exclusion

YTL International disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this spreader. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR.

An exchange unit will be subject to the original warranty. The length of the warranty governing the exchanged unit will have the date as the purchase date of the original unit. This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

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