Operator's Manual

THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

Snapper Mower

MODELS V180 - V180S - SV180
V210 - V210S - V2104 - SV210

SNAPPER MOWER GUARANTEE

All Snapper Mowers are guaranteed for normal use to the original purchaser against defective workmanship and material. This guarantee extends for one year from purchase date on mowers not used commercially, and for one month on mowers that are used commercially.

We will replace or repair without charge any part or parts returned to us during the guarantee period, with transportation charges prepaid, that our inspection shows to have been defective in workmanship or material when shipped from the factory.

This guarantee is void if the parts in question have been altered or damaged by accident, abuse, neglect, improper adjustment, lack of lubrication or normal wear. This guarantee does not cover engines, tires, tubes, batteries and belts which are guaranteed separately by their manufacturers.

No other guarantee, expressed or implied, is made by the Company which retains the right to change specifications without notice or obligation.

WARNING: Use of replacement parts other than genuine Snapper parts may impair the safety of your mower and may void our warranty.

IMPORTANT: This guarantee is void unless the guarantee card attached is filled out completely and mailed to the Factory within 10 days of the date mower was purchased.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.

McDONOUGH, GA., U. S. A., 30253

PRINTED: 3-74

MANUAL #06051
Assembly, Operation and Service Instructions for
V180 - V180S - SV180 - V210 - V210S - V2104 - SV210
SNAPPER MOWER

IMPORTANT

TRAINING
1. Read the Operating and Service Instruction Manual carefully. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION
1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wire, bones and other foreign objects.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Check fuel before starting engine. Do not fill gasoline tank in doors, when engine is running, or while engine is still hot. Wipe off any spilled gasoline before starting engine.
4. Never attempt to make a wheel height adjustment while the engine (motor) is running.
5. Mow only in daylight or in good artificial light.
6. Never operate equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION
1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge at all times.
3. Stop blade(s) when crossing gravel driveways, walks or roads.
4. After striking a foreign object, stop the engine (motor), remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

INSTALLATION OF HANDLES:
1. Pull up and back on 3-7331 lower handle pivoting until it is in place. Tighten the two 5-0615 wing nuts. Fasten upper handle to lower handle pivoting using two 1/4-28 x 1 1/2 curved head bolts, two 1/4 internal tooth lock washers and two 1/4-28 hex nuts. Fasten the throttle control to the upper handle using one 1/4-28 x 1 1/4 HHCS, one 1/4 internal tooth lock washer and one 1/4-28 hex nut. Clip conduit to the handle using two slip-on clips. Handle height can be adjusted at the slots in the rear wheel brackets.

INSTALLATION OF GRASS CATCHER:
1. Disconnect spark plug wire.
2. Place front bag support (roll bar) with off-set side on right hand side into slots in rear wheel brackets. Top part will lay down close to engine. Raise up allowing ends to drop through slots into holes below.
3. Place plastic bag chute onto deck with stud nearest “CAUTION” passing through hole in chute. Make sure captive carriage bolts drop into slots in the bracket next to the right front wheel. Place half ring clamp with slotted end to rear over the front stud. Secure with 5/16 washer and 5/16-18 lock nut.
4. Place 5/16-18 x 1 carriage bolt through hole in deck which is located at rear of discharge opening, and through hole in plastic chute. Secure with a 3-1801 clip, 5/16 washer and one 5/16 lock nut. NOTE: Head of carriage bolt must be to inside of deck.
5. Slip the ends of the 3-1127 front wire through the front flap of the bag and hook over the roll bar as shown in figure 4. Slip the ends of the 3-1128 rear wire in the rear flap and hook over the top section of the lower handle pivoting. If top of bag is not taut, remove and shift front and rear wires to inboard flaps and replace.

Now slip inlet neck of bag over bag chute as far as possible. Do not allow side of bag to block discharge opening of chute. Stop engine and empty bag of grass clippings at rear opening before bag is over filled or bag chute will become clogged. NEVER ATTEMPT TO CLEAR BAG CHUTE IF CLOGGED UNLESS ENGINE IS STOPPED AND THE SPARK PLUG WIRE IS DISCONNECTED.
INSTALLATION OF SIDE CHUTE:
1. Disconnect spark plug wire.
2. Remove grass catcher in reverse sequence of step 4. (Previous Page).
3. Attach 3-9572 side chute extension to side chute using four 10/32 hex nuts, four 10/32 x 5/16 RHMS and four No. 10 internal tooth lock washers. NOTE: Head of bolts must be to inside of chute. See illustration.
4. Grip metal side chute with both hands and slip large slotted hole over mounting key on the deck. Slightly squeeze together and slip captive carriage bolt into slot in bracket at right front wheel while holding the slotted hole on the deck key.
5. Use one of the half clamps to hold the top down at the front stud. Use the other half round clamp to go over the rear stud and into the small slot in the side chute. Fasten with three 5/16 flat washers and three 5/16-18 hex lock nuts.

REFER TO PICTURES BELOW FOR PROPER INSTALLATION OF GRASS BAG AND SIDE CHUTE

ENGINE CARE AND OPERATION:
1. FILL ENGINE WITH OIL BEFORE CRANKING MOWER.
2. Refer to engine manual furnished with this packet for instructions to oil, fuel and maintain the engine properly.
3. WASH OUT CLEANER ELEMENT IN MINERAL SPIRITS OR GASOLINE AND RE-OIL WITH ONE TABLESPOON OF ENGINE OIL EVERY THREE HOURS OF USE OR AFTER EACH THIRD MOWING.
4. NEVER PLACE MOWER ON ITS LEFT HAND SIDE WITH SPARK PLUG POINTED DOWNWARD AS THIS WILL ALLOW THE ENGINE OIL TO RUN OUT THROUGH THE VALVE TAPPET VENT. If left too long, oil could also leak past the piston into the cylinder.

LUBRICATION:
2. Occasionally put a few drops of oil on all movable parts.
3. The ball bearing wheels have been factory greased and should not be greased unless removed.

ADJUSTING CUTTING HEIGHT:
1. This mower has solid through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time, side to side when it is desired to change the cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME.
2. When changing cutting height, make sure that all latches are in matching slots. This results in the cutting blade being slightly higher in the rear to eliminate drag.

OPERATING TIPS
1. SNAPPER V180 and V210 will cut either forward or backward. However, due to the set of the blade, slightly less power is required for forward cutting than for reverse cutting.
2. To turn at the end of a row, push down on the handle bar to raise the front wheels off the lawn. This permits turning on the back wheels only and saves scuffing the lawn.
3. For cutting on a slope, it is usually best to move back and forth — not up and down hill.
4. When vacuuming a paved walk or driveway, first lower deck to lowest position. It is then best to run V180 or V210 forward along the extreme left hand side of the area to be cleaned. This will pick up some litter and windrow some litter to the right of the first swath. Then pull V180 or V210 backward over the windrowed litter. It will pick up most of it on this pass. Repeat above until walkway or driveway is cleaned.
5. To prolong the life and usefulness of your mower, it is a good practice to wash out all the grass that may be sticking to the underside of the deck.