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 co-operation 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 Comet Riding Mower

MODELS 265X - 265XS - 268X - 268XS 308X - 308XS

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.

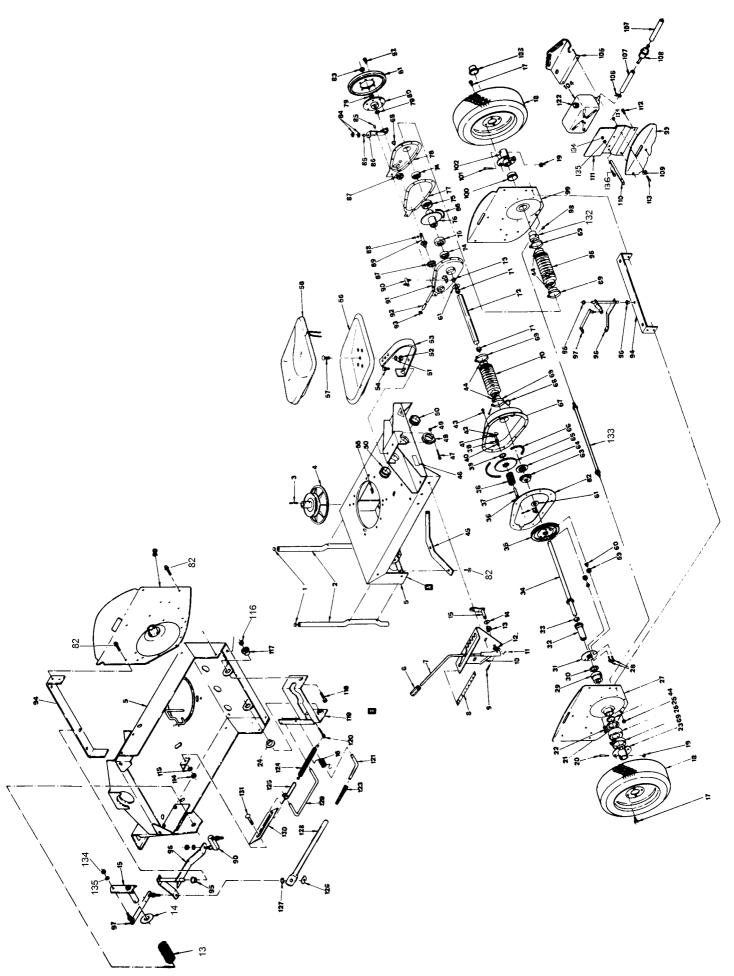
IMPORTANT: This guarantee is void unless the guarantee card attached is filled out completely and mailed to the Factory within 10 days of the date mower was purchased.

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

REV 1, 11/71 MANUAL #06052

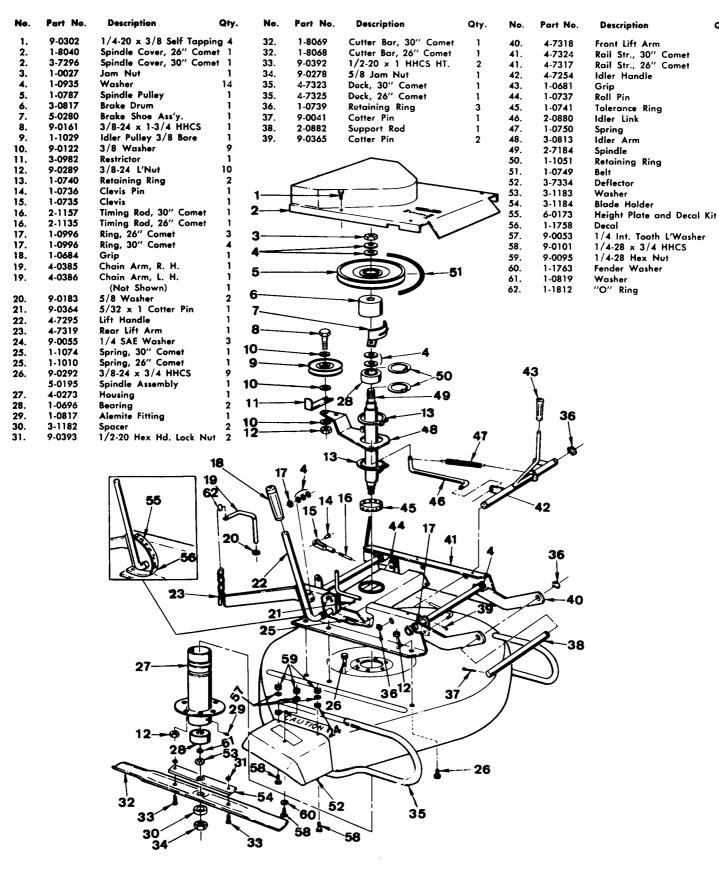


Rear Wheels, Transmission and Variable Speed Drive

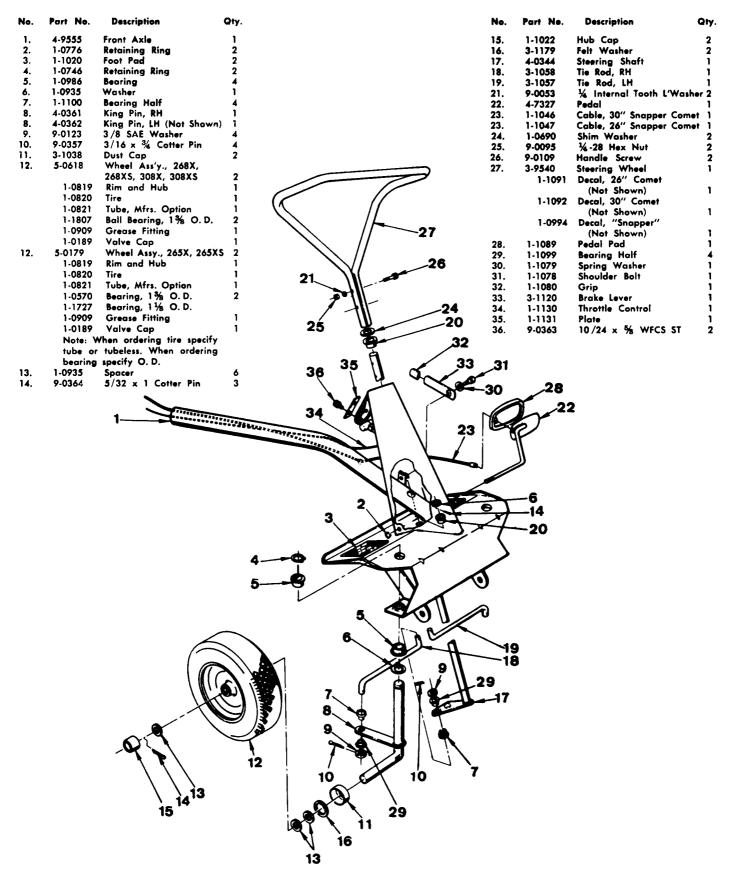
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Description	Front Bracket	Hose Clamp	Fuel Hose	Fiter	Washer	Tank Brace, 265X, 265X5, 268X, 308X	Brackst Back	Hex Cop Screw ST.	5/16-24 x 5/8 Hex Head Cap Screw	3/8-16 Hex Nut	3/8 Lock Washer	5/16-18 Hex Nut	Yoke Bearing	5/16-18 x 1 Self Tapping Screw	70Ke Liff 2/14 :: 2/4 Catter Bia	3/ 10 X 3/4 COINET TILL	DON CO.	Spring, 8 H.P. Only	Spring	Clutch Clevis	5/16-24 "T" Nut, 8 H.P. Only	5/16 Internal Tooth Lock Washer	Tube, 8 H.P. Only	Clutch Rod	Rod Guide	3/8-16 x 3/4 Carriage Bolt	Bearing, Fender	Tie Rod	5/16"-24 HN	5/16 SLW	SAN HACO				Starter Cable		SX80E SX89E NO NWORS TON SH	2	Mag. lo Ground		Starter Cable		2	2		Switch Key					14-20 x % Carr. Bolt			
Part No.	3-9533	1-1137	3-1726	1-1777	3-0008	3-1138	3-1-150	9-0361	9-0227	9-0130	9-0118	9-0196	1-1048	9-0369	4-7320	y-035/	3-1/29	1.1820	1.1041	1-1090	1-1814	9-0395	2-1706	3-1050	3-1080	9-0136	5-0918	1-1070	9-0223	9-018/	9-0230	:	1-1148	1-1150	1-1151	1-1728	ITEMS		1.1149	11150	1-1152	1.1730	3454		1-0815	1-1155	4-0360	9-0093	9-0311	9-0052	9-0074	9-0316	9.0063	9.0014
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Description	5/16-24 x 2-1/2 Hex Head Cap Screw	Tube Clamo	5/16-24 Flance Lock Nut	Grommet	7/16 Lock Washer	7/16-14 Hex Nut	Seat Spring	3/8-16 x Hex Head 51, Screw	Washer (lech Engine)	7/14-14 x 1 Carriage Bolt	Seat Cushion	12T, 12P Gear	Pinion Spacer	Flange Washer	Gasket	Sprocket	Washer	Sprocket	Chain		Boot Clamp		Bearing	Drive Tube	Nylon Washer	Needle Bearing	Nylon Thrust Washer	Hub and Sprocket Str.	Gasket	Cover, Left Mand	Belleville Washer	Hub	Driven Disc	5/16-18 x 5/8 HWSI	3/8-18 nex Lock Nut	Split Spacer	Brake Lever	Bearing	Woodruff Key	Sprocket and Shaft	Shift Link, Short	Cover, Kigni nana	Koller Dataiaine Dina	Kerdining King		Shift Arm	Shift Link, Long	Grease Fitting	Fender, Left Hand	Seal Cap, Left Hand	Axle Bolt, Left Hand	Hub, Left Hand	Hub Cap	מושר במסת היה
Part No.	0.0358	3.1100	1-0969	1-1033	9-0247	9-0449	3-0844	9-0324	3-1087	0.0248	1-1012	2-1127	2-1126	1-1072	1-8060	1-0959	1.0988	2-1129	1-044	3-7279	1 1037	1 103	1-0960	2-1121	1-1071	1-0942	1.1086	4.0355	1-8059	3-7278	1-1121	2-0911	1-0765	9-0361	9-0326	1-0916	5-0253	1-0756	1-0614	1-0940	1-1018	2 0000	2-0908	3 7291	3-7-5	4-0340	1.1017	1-0909	3-7285	1-0967	1-1035	4-0350	1.1052	/064-1
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Decription		Cap	Bumper	Key	Urive Cisc	Main Case Grio	Shift Handle	Decal	Clevis Pin	Shift Detent	3/32 x 3/4 Coffer Fin	Caring Wushel	Thrust Washer	Shift Handle Arm	Spring	Lug Bolt	Wheel and Tire Ass'y., 265X, 265XS,	268X, 268XS	Rim	Tire	Tube	Valve Cap	Wheel and life Ass y., 300	# !	Value Stem	Valve Siem	5/16-24 Lock Nut GR5	Wheel Bolt, R.H.	Oil Seal	5/16 Flange Lock Nut	Right Hand Wheel Hub	Thrust Washer	5/16-24 Lock Nut	Seal Cap, R.H.	Fender, R.H.	3/ 10-24 X 1-3/6 TH LOCK CUP Sciew	disassembled)	Bearing	Thrust Washer	Differential Plate	Short Axle Assembly	Spacer	Long Axle	631, 10P Gear	5/16 Belleville Washer	Spacer	Gear, III, IOF	Idler Bolt	5/16 "O" Ring	5/16 Internal Tooth Lock	1/4-20 x 5/8 Self Tapping Screw	Seal Ring	Hitch Plate	Name Plate
a to		1-0153	3-0798	1.0210	2-0109	1-0838	4-0284	1-0767	1-1021	4-0332	9-0037	3-1036	3.1034	4-034	1-1821	1-1059	5.0116		1-0533	1-0524	1-0525	1.0189	5-0294	1.1096	11153	50.00	1,1201	1,1013	1-1817	1-0969	4-0351	1-0925	9-0222	3-1732	3.7280	y-033y		1-0966	3-1079	3-1104	5-0278	1-1026	5-0277	2-1158	1-1782	2-1128	1.0904	1-1043	1.1156	9-0395	9-0362	1.1166	3-1063	1-0898
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Spindle, Cutter Unit and Lift, 26", 30" Snapper Comet

Qty.



Front Wheels, Front End and Steering



Assembly, Operation, Service Manual and Parts List SNAPPER COMET 26" & 30"

1. ASSEMBLY:

- A. Remove top and sides from crate.
- B. Install steering wheel using two (2) 1/4 x 1½ bolts.
- C. Cut shipping straps and remove mower from crate bottom.
- D. On some models it is necessary to reconnect steering link which has been disassembled due to crating size limitations.
- E. FILL ENGINE WITH FUEL AND OIL.

2. GENERAL OPERATION:

A. START ENGINE:

- Make certain shift handle is in neutral and cutter unit out before attempting to start.
- Refer to engine manual for throttle control instructions for the type used.
- If engine is also equipped with electric starter, refer to engine manual for starting procedure. The starter switch is located to the rear of the battery.

B. FORWARD MOTION:

- Disengage clutch and apply brake by depressing pedal to the end of its travel. NOTE: Excessive pedal pressure detrimental to easy shifting.
- Move shift lever, located on right hand side of seat, to the low speed position (No. 1) and slowly release clutch and brake pedal.
- Speeds may now be increased or decreased without the use of the clutch pedal.
- Never start by moving shift handle without use of the clutch pedal as the driven disc life will be shortened.
- 5. Always begin forward motion in No. 1 speed position.

C. REVERSE MOTION:

Follow same procedure as "B" above, however, there is only one speed in reverse and shift handle must be held in reverse position at the end of the slot.

D. STOPS:

- The mower may be stopped in either forward or reverse motion by depressing clutch and brake pedal.
- 2. Always return shift handle to neutral after a stop is made.
- 3. As a safety precaution, if stops have to be made going up steep inclines, back down to level ground to re-start.

E. CUTTER UNIT:

- Cutting height is adjusted by simply changing the position of the lift handle. There are different positions ranging between 1 and 4 inches.
- 2. Cutter engagement is accomplished by slowly pulling the cutter handle to the rear until the spring loaded idler takes over. The spindle brake is automatically released or applied as this handle is shifted from the "in" or "out" position. Cutter engagement or release may be accomplished at any cutting height with the mower moving or at rest.

3. ADJUSTMENTS:

A. CLUTCH:

The clutch linkage has been designed so that with inital factory adjustment, the driven disc wear is accommodated throughout its useful life. Replace disc when worn to 1/32-1/16 inch rubber thickness. Do not tamper with linkage if mower does not pull at this point. Replace driven disc.

In the event someone tampers with the factory adjustment, the linkage can be checked as follows:

- Remove driven disc and install adjusting gauge, which can be made from a driven disc with the "as new" radius of 3 inches on half the circumference and a 2% inch radius ground on the other half.
- 2. Depress clutch pedal and shift to second speed.
- 3. Adjust clutch rod guide until the $2\frac{3}{4}$ inch radius clears driving disc .005/.010 inch.
- 4. Rotate gauge 180 deg. and fully depress clutch pedal until brakes are applied. Check to see that the 3 inch radius clears driven disc by 1/32 inch minimum with sliding chain case pushed lightly against yoke lift. This assures that driven disc will be pulled down from driving disc when clutch is disengaged.

B. CLUTCH AND BRAKE PEDAL:

Control cable should have slight amount of slack with clutch and brake pedal released and with shift handle in neutral. This can be checked by seeing that the clutch rod slides to the rear end of slot in the clutch rod guide. Adjust by shifting cable stops as required through keyhole in brake pedal.

C. PARKING BRAKE:

To apply — press brake and clutch pedal down firmly, push parking brake handle down clamping brake cable. To release raise handle.

D. CUTTER DRIVE BELT:

The spring loaded idler maintains proper belt tension throughout the effective belt life.

Adjust main tube when idler pulley causes the belt to rub together behind the spindle pulley. Main tube adjustment is accomplished as follows:

- Loosen clamp under seat spring and pull main tube forward until inside surface of cutter drive belt has approximately 1" running clearance measured at the idler pulley with cutter unit engaged.
- Check to see if control cable has a slight amount of slack with clutch and brake pedal released and with shift handle in neutral discussed in "D" above.

Belt replacement is accomplished as follows:

- 1. Remove spindle guard cover and remove belt from pulley.
- Stand mower on end (refer to "Storage") with shift handle in neutral.
- Pull belt from behind drive disc. Reach behind slide and pull clutch rod for maximum disc clearance. Roll belt between drive and driven discs. Pull belt between driven disc and belt guide and remove from transmission case.
- 4. Reverse procedure to install new belt.

E. CUTTER SPINDLE REMOVAL:

If it is necessary to remove and re-assemble spindle housing, the housing must be plumbed to the cutter deck to obtain an equal distance between the blade tip and deck. This is accomplished by locating the housing flange correctly to the deck, using the clearance holes for the capscrews for alignment. Tighten securely using self-locking nuts.

F. DECK ADJUSTMENT:

The cutter blade has been factory adjusted for 1 inch minimum cutting height. After a period of time, wear in the linkage may require re-adjustment. Correct procedure is as follows — taking all measurements to the same blade tip:

- 1. Park mower on level and even floor or surface.
- 2. Move lift handle to lowest position to remove spindle cover.
- Adjust blade tip cutting edge to 15% inch at rear by bending the swinging chain arms of the rear suspension up or down as required, maintaining a level blade side to side as this is adjusted.
- 4. Swing blade tip to front and adjust to 1 inch by adjusting timing link that connects the front and rear lift arms. Shortening this link ½ turn of the rod end raises front end approximately 1/8 inch.
- 5. Turn blade to point to the front and rear of machine. The 26" and 30" blade should be at least $\frac{1}{2}$ " higher at rear than the front.

G. TIRES:

- 1. Inflate front tires to 20 lbs.
- 2. Inflate rear tires to 25 lbs.

4. BATTERY INSTALLATION (FOR ELECTRIC STARTER ONLY):

- A. Service battery according to instructions supplied with the battery.
- B. Remove battery clamping bracket and install battery under left hand side of seat.
- C. Attach battery lead to battery. Check engine manual for positive or negative ground.
- D. Refer to engine manual for operating instructions of the battery charging system used.

5. STORAGE:

The mower may be set on end for servicing or storage within the following limitations.

- A. For electric starter units, remove battery to prevent acid leakage and subsequent damage.
- B. Gas tank must be practically empty to eliminate fire hazard.
- C. For winter storage, always drain oil and gasoline. Refer to engine manual for proper procedure to follow. Oil or grease any parts of the mower subject to rust or corrosion.

6. OPTIONAL EQUIPMENT:

To increase the usefulness of your Snapper Comet Mower, the following kits may be obtained as Optional Equipment:

6-0049	Tire	Chains,	16	X	4.80	_	8	Tire
6-0119	Tire	Chains,	16	x	6.50	_	8	Tire

6-0111 Leaf Mulcher, 26"
6-0118 Leaf Mulcher, 30"
6-0185 Snow Plow Kit
6-0110 Deluxe Seat

6-0183 Grass Catcher Kit 6-0169 Steering Wheel Kit

6-0170 Wheel Brake Kit

SAFETY PRECAUTIONS

Remember, a careful operator always is the best insurance against an accident.

Study your operator's manual—become familiar with the controls and how the mower operates. Learn to stop the mower quickly.

Never attempt to start engine unless shift handle is in neutral and idler handle in the out position.

For forward motion, always begin movement with shift handle in No. 1 speed position.

Before starting clear area of debris.

Operate the engine at the slowest speed that will cut satisfactorily.

Stop and check for breakage and repair any damage after striking foreign objects.

Mount mower from left hand side, opposite the discharge chute.

Keep hands and feet clear of the cutter unit at all times.

Do not operate mower with guards removed. Disengage cutter and stop engine before dismounting.

Do not crank or operate engine where exhaust fumes can collect.

Never allow children to operate the Snapper Comet

Instruct individuals to stay away from the mower while it is in operation.

Do not let others ride with you on the mower.

Give complete and undivided attention to the job at hand.

When mowing, never discharge clippings toward windows and doorways.

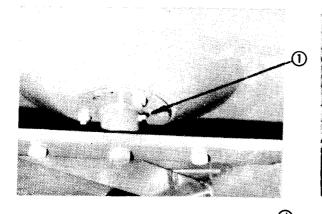
Mow only in daylight or in good artificial light.

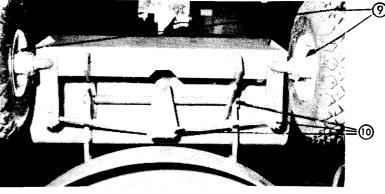
Be extra careful when working on hillsides or rough ground. Watch out for holes or ditches into which a wheel may drop and cause the mower to overturn.

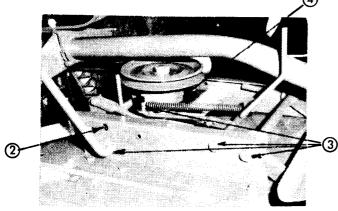
If it is necessary to stop when going up steep inclines, back down to level ground to re-start.

When going down inclines, keep in low speed with clutch and brake pedal out to allow engine to control speed.

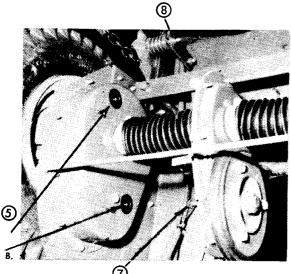
Fill gas tank outdoors, but never while engine is running or while engine is hot. Avoid spilling. Always use an approved gasoline can.







LUBRICATION INSTRUCTIONS FOR SNAPPER COMET 26" & 30"



- Spindle is assembled with sealed precision ball bearings and requires infrequent lubrication. Lubricate once each season, one shot using pressure gun. Use Snapper 00 grease. Avoid over-filling under pressure. This will damage bearing seals.
- Height adjusting cams: remove spindle guard cover and lubricate cams with medium cup grease every 10 hours of operation or more often if dirty service conditions require.
- While cover is off, lubricate other movable joints, linkages, etc., with SAE 20 oil.
- Lubricate idler arm using Snapper 00 grease every 10 hours of operation.
- Differential and reduction gearing, right hand wheel bearing, and hex drive shaft are lubricated by removing plastic plugs on side of case. Fill with 14 ozs. of Snapper 00 grease through top hole, or until grease reaches bottom of hole B.
 - NOTE: Do not overfill. Check every 10 hours of operation. Check grease capacity with machine in standing position.
- 6. The components in the sliding chain case are factory lubricated with $1\frac{1}{2}$ to 2 ounces of grease. Check every 10 hours of operation. Remove plastic inspection plug and with the aid of a flashlight, check for signs of grease on the chain and sprocket. If no grease is visible, add $1\frac{1}{2}$ ounces of Snapper 00 grease. Do not overfill.
- Lubricate all other movable joints, linkages, etc., every 10 hours of operation or more often if dirty service conditions require, using SAE No. 20 oil.
- Lubricate right hand wheel bearing and shift lever every 10 hours of operation using Snapper 00 grease in a pressure gun. One shot is sufficient.
- Lubricate front wheel bearings with Snapper 00 grease in pressure gun every 10 hours of operation.
- Lubricate all other movable joints, linkages, etc., every 10 hours of operation or more often if dirty service conditions require, using SAE 20 oil.
- 11. ENGINE: Service and lubricate engine per instructions in engine manual.

NOTE: Snapper 00 grease is available from your Snapper dealer.
Our Part No. 1-1050.
(This is a special compounded grease for this application)

