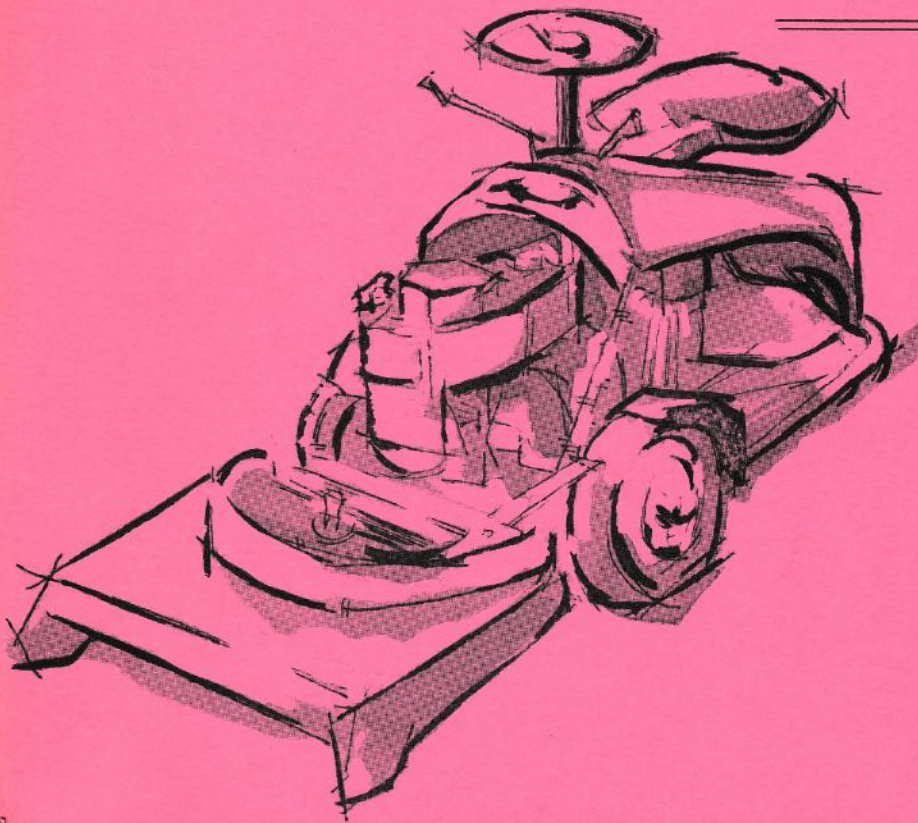


GRAVELY CLEAN-CUT

24

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USER MANUAL

GRAVELY

CLEAN-CUT MOWER

LUBRICATION

Use Only High Grade Lubricants

Such As —

Grease Fittings - Mobilgrease MP

Gear Housings - Mobilube C140

FILL TO CHECK PLUG LEVEL

Engine -----Mobiloil A (SAE 30)

Model Number

Serial Number

Manufactured by
GRAVELY CLEAN-CUT MOWERS

DIVISION STUDEBAKER-PACKARD CORPORATION DUNBAR, WEST VIRGINIA

GRAVELY CLEAN-CUT 24

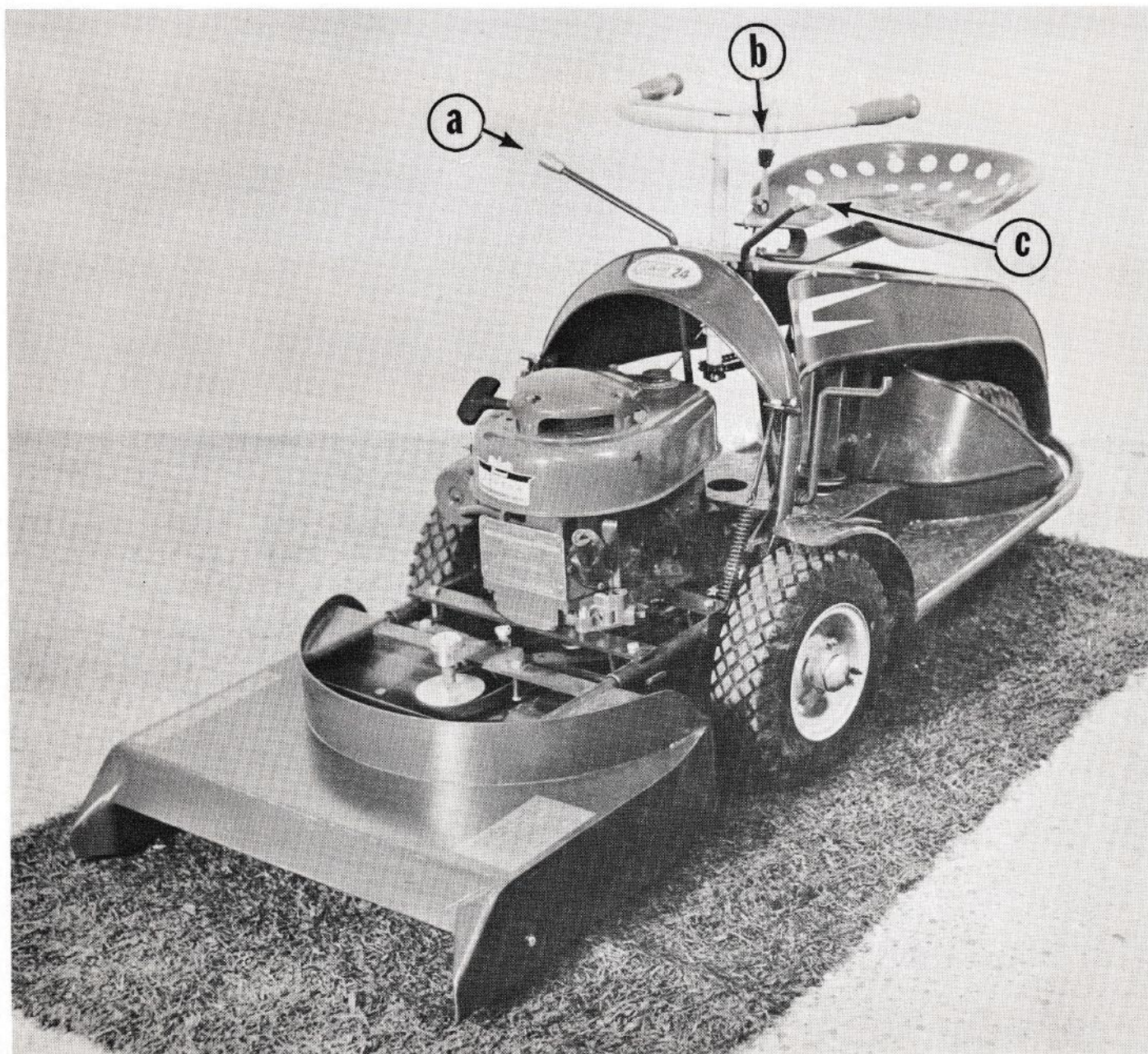


PLATE A

GRAVELY CLEAN-CUT 24

INTRODUCTION

Your Gravelly Clean-Cut 24 is a rugged, durable, quality-built mower that will give you dependable, satisfying performance for years to come. We are happy to welcome you to the discerning family of Clean-Cut Users.

The Model 24 is designed for suburban lawns...large or small. It has the power, speed and maneuverability to do either... and do it well.

By following these simple instructions, you will make sure that the Model 24 continues save you both time and money.

ENGINE CARE

The engine on the Model 24 should be serviced as outlined in the engine manufacturer's instruction book. You will find it enclosed in the package with this manual. In case of trouble, consult your nearest authorized service dealer listed in the engine instruction manual.

We recommend that you give particular attention to keeping the engine's cooling fins (exposed at the back of the engine itself) and its intake screens (found on top of the engine, under the cover plate which houses the starter pull) as clean as possible. Keeping the engine free from grass cuttings and similar debris will increase its efficiency and eliminate what would otherwise be a fire hazard.

MOWER CONTROLS (See Plate A)

Drive Clutch--to engage the Variable Speed Drive Unit, push the Drive Clutch Lever (a) forward. The further forward it goes, the higher the speed range. (See section on Variable Drive.)

Throttle--to increase speed in any range, pull the Throttle Lever (b) back toward you, following the directions marked on the

throttle housing. To stop the engine, pull the Throttle all the way back.

Brake--to brake the Model 24, press on the Brake Lever located by the right hand fender (as seen from operator's position.) The Brake Lever will stop the machine only when it is not in gear. In gear and at slow speeds it will help slow the machine, but at high speeds it will not. If a quick stop is necessary, pull Drive Clutch Lever back toward you and step on the Brake Lever.

Mower Blade Clutch Lever--to stop the mower blades without stopping the engine, use the Mower Blade Clutch Lever (c). When Lever is pulled back the mower blades are disengaged. When it is pushed forward, they are engaged.

WHEN WORKING ON, UNDER OR AROUND MOWER MAKE CERTAIN THAT THE THROTTLE IS PULLED ALL THE WAY BACK TO THE "OFF" POSITION. WE ALSO ADVISE THAT YOU DISCONNECT THE SPARK CABLE.

LUBRICATION

Rear End Drive:

Grease upper bearing of Vertical Drive Shaft through zerk at top and through ale-mite fitting on side. Use Mobilgrease MP.

Ring Gear and Axle Housing:

From Model Serial 2542 and up, maintain oil level at the Check Plug located between the two rear wheels. To check for proper level, remove the Check Plug. If lubricant is not level with this plug, add to it until it begins to run out. Use Mobiloil 140 (SAE 140).

Belt Drive Clutch Idler Pulley:

Grease once every 5 or 6 operating hours; push Clutch Lever forward until the pulley is lined up with the access hole in the

cover guard. Do not overgrease as grease may be thrown on the belt which will cause it to slip. Use Mobilgrease MP.

Steering Assembly:

Grease once every 10 to 12 operating hours with Mobilgrease MP. The alemite fitting is found on the front of the Shaft Housing, immediately below the steering wheel.

Throttle and Linkage:

Put a few drops of oil on the top of the Throttle Control Housing from time to time. Then work the Throttle back and forth a few times to work the oil down into the housing. Do the same with the slide mechanism (located on the engine, where it says "Slow--Fast", etc.) Use Mobiloil 10, SAE 10.

Variable Speed Drive Shaft:

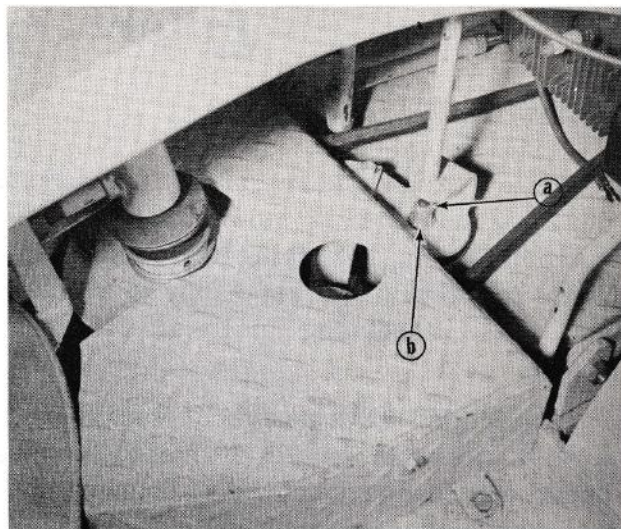
The column which houses the shaft running from the Variable Speed Pulley to the Drive Chain has an alemite fitting located at the front, close to the top. Grease the shaft through this fitting once every 10 to 12 operating hours. Use Mobilgrease MP.

VARIABLE SPEED DRIVE

The Variable Speed Drive on your Model 24 is controlled by the large lever at the operator's right hand. The further toward the front of the mower it is pushed, the greater will be the ground speed.

The Variable Speed Pulley is spring loaded. The closer toward its center the drive belt is pulled, the higher the speed ratio. You will find that the control lever is purposely stiff in its operation so that it will remain in whatever position you select. By selecting your speed range and then using the Throttle which is immediately forward of the operator's seat, you can attain speeds ranging from approximately 1-1/2 to 5.8 MPH.

Once every day or so, put a few drops of Mobiloil 30 in oil hole found on the side



of the protruding pulley hub. Then, after starting the mower, move the Clutch Lever forward and backward a few times to work the oil in.

If you find the Clutch Lever slipping out of position, adjust the Clutch tension.

To adjust Variable Speed Drive Clutch tension:

Unlock nuts (a) and (b) on the clutch hub.

Tighten nut (b) so that the clutch is stiff in operation.

Lock nuts (a) and (b) together tightly.

DON'T PUT OIL ON FRICTION WASHER(c)

OPERATING HINTS

Mowing Slopes or Undergrowth

The Model 24 is designed to cut grass. It is not meant for cutting rank, heavy undergrowth and will not do such tasks well.

The "outriggers" on either side of the rear of the machine will give stability on slight slopes or rolling lawns. But the mower will not mow steep slopes safely unless great caution and care are exercised and the mower is run at slow speeds.

If you intend to use your mower on steep slopes or for cutting undergrowth, do so with care.

Before letting your family use it, investigate its capability on your own terrain.

When you are cutting exceptionally tall,

heavy grass with your Model 24, you will get better results if you raise the mower unit with the foot pedal and run over the heavy grass the first time with the unit in the raised position. When the grass is cut down "to size" release the mower unit and go over the same spot again with the mower at its regular cutting height.

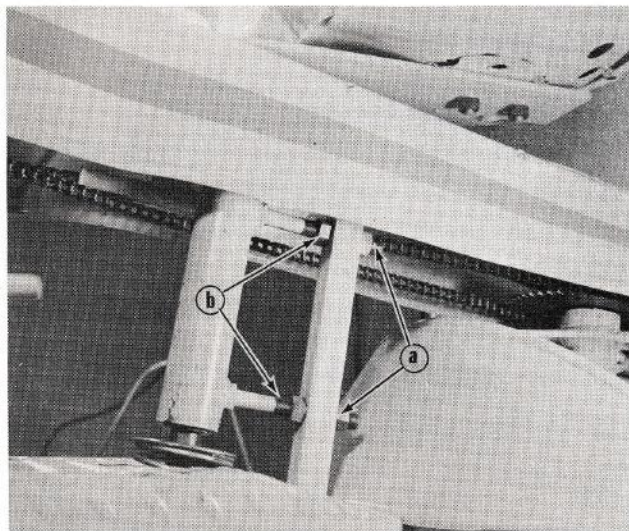
The accumulation of grass cuttings on or around the engine can produce a fire hazard. Pay reasonable attention to cleaning the engine of such debris.

Clean away all paint on the alemite fittings when the machine is new. If paint chips are introduced into the interiors of the fittings, they can damage the bearings which these fittings serve.

To operate in reverse, turn the Steering Wheel two complete revolutions. Of course, since the Model 24 will turn within its own length, you will find that reversing is not often necessary.

All Gravely Clean-Cuts are delivered with perforated Distributor Screens. These screens, located immediately behind each mower blade, are designed to give you a smoother, cleaner lawn. In particularly wet weather, cutting may become too difficult with the screens attached. In such cases, they are easily detached by removing the bolt and nut at either end.

Most grasses build healthier and more beautiful lawns when they are cut often and not too short, especially in hot, arid conditions.



CHAIN ADJUSTMENTS

To Adjust Drive Chain:

Loosen nuts (a) at rear of Variable Speed Pulley hanger and tighten nuts (b) at front.

Be sure to keep the Variable Speed Pulley Housing parallel with the hanger.

To Adjust the Steering Chain:

Loosen cap screws on top of frame at front and rear of steering post.

Take up slack in chain by moving steering post forward.

Retighten capscrews.

If, after your mower has seen prolonged use, this adjustment does not give you sufficient tension, a link will have to be removed from the chain. After this is done, the adjustment can be made as outlined.

Testing Blade Balance:

After you have resharpened the cutting edges, be sure the blade is balanced by holding it upright on a nail, pencil or similar object. If the blade dips noticeably to one side, that side is too heavy and more should be ground off.

CAUTION---

WHEN WORKING AROUND, UNDER OR NEAR THE MOWER UNIT, MAKE ABSOLUTELY SURE THAT THE THROTTLE IS PULLED ALL THE WAY BACK IN THE "OFF" POSITION. THIS SHORTS OUT THE IGNITION AND WILL PREVENT ACCIDENTAL STARTING. It is advisable to take the additional precaution of removing the sparking cable.

MOWER BELTS

The operating life of the belts installed in your Gravely Clean-Cut 24 can be greatly increased by following these suggestions:

KEEP THE TENSION ON YOUR BELTS GREAT ENOUGH TO DO THE JOB WITHOUT SLIPPING, BUT NOT TOO TIGHT.

Your own experience will enable you to

judge the correct amount of tension after you have used the mower for a time. The suggestions on the following page will prove a helpful guide also.

Belt Sizes

The long belt which runs from the Engine Pulley to the Variable Speed Pulley is designated Belt #5L570 and is our serial number 661.

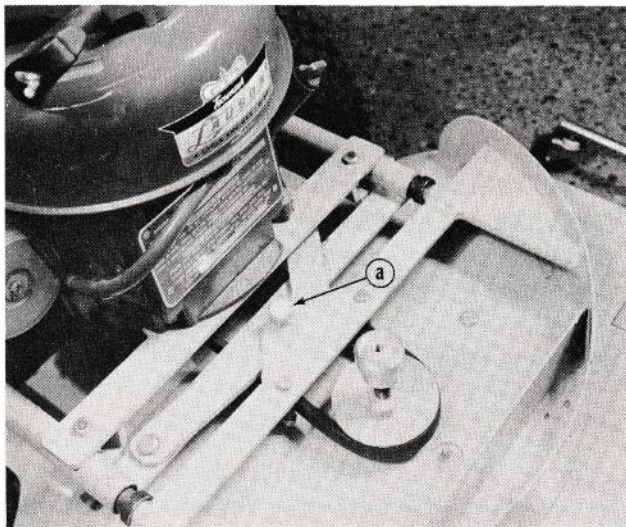
The short belt which runs from the Engine Pulley to the Mower Blade Spindle Pulley is designated #5L290 and is our serial number 24829.

MOWER UNIT

Adjusting Suspension Springs

The Mower Unit on the Model 24 is suspended from the main frame by a spring on either side. The springs should be adjusted so that the small gauge wheels at the front of the mower unit ride lightly over the ground. If the springs are improperly adjusted, the small wheels will drag on turns and may break or clog.

To adjust the springs with which the mower unit is suspended, turn nut at the top of spring connecting rods.



Removing Mower Unit

To remove mower unit:

- Slack belt & remove from Engine Pulley
- Unscrew cap screw (a)

Slide Mower Unit forward until it comes off the Hanger Rods

The mower will slide more easily if the Hanger Rods are greased occasionally with Mobilgrease MP.

MOWER BLADE

The Mower Blade on your Model 24 is made of the finest quality crucible spring knife steel. It is easy to sharpen and will hold a keen cutting edge. To insure that it does the job it is capable of doing, it should be kept sharp.

The blade has four cutting edges, but it uses only two of them at a time. The other two are held in reserve on the other side of the blade. When you need a new cutting edge turn the blade over.

Removing the Blade

To remove the blade from the Mower Spindle:

Hold the lug on top of the Mower Pulley with a wrench.

Remove the nut and flange washer (under the mower hood) which holds the blade on the Mower Spindle.

Remove Blade.

When replacing the blade, reverse the operation, making sure that the locking nut is tight. The flange washer will automatically reseal the blade properly.

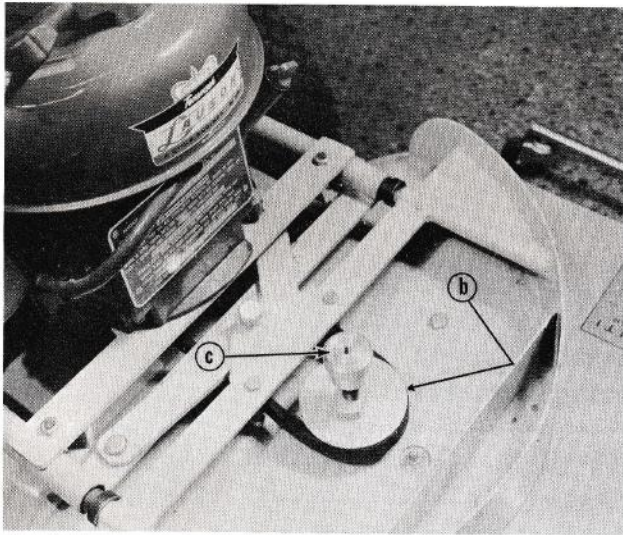
Do not hold the Blade with your hand. It is sharpened on both edges and can easily cut your hand.

Sharpening the Blade

If both sets of cutting edges have become dulled through use, remove the blade and sharpen the EXTREME ENDS. Use the original sharpened edge as your guide for approximate bevel. The end of each blade does the cutting and the rest is utilized only to pulverize the cuttings.

To adjust the cutting height of the Mower Blade:

Place a locking wrench on the raised



portion of the pulley itself and another wrench on the nut under the mower pulley (b).

Turn the pulley counterclockwise while holding the lower wrench in place. This will unlock mower blade height.

Turn knob (c): clockwise to lower blade; counterclockwise to raise blade.

When blade is at desired height, lock pulley and nut together.

Drive and Mower Belt Adjustment

Prolonged operation may stretch the Mower and Drive Belts. You will then need to adjust their tension.

To adjust Drive Belt:

Loosen Screws on either side of engine mounting.

Slide entire mounting forward 1/2 to 3/4" until Drive Belt is taut. This adjustment will loosen the Mower Belt.

To Adjust The Mower Belt

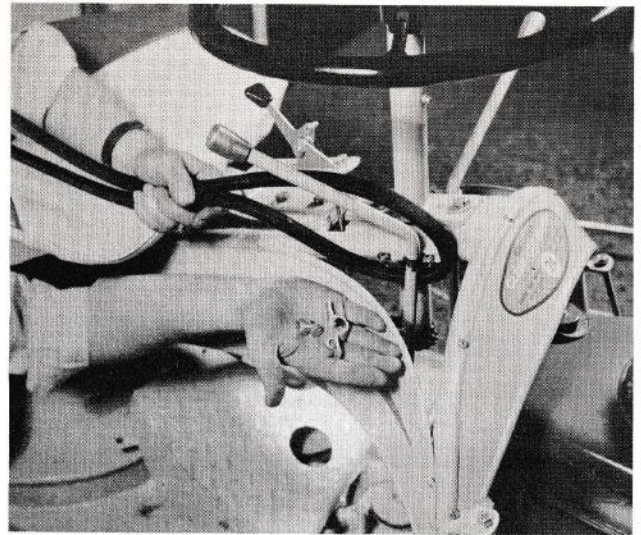
Increase tension on the Mower Blade Control Rod by tightening the bolt.

DRIVE BELT

1. To remove Drive Belt:

First, remove mower belt. Make sure clutch lever is pulled all the way back.

Remove Drive Belt from Idler Pulley.



Remove other end of belt from Variable Speed Pulley.

Remove screws on Clutch Lever Clamp and remove Clamp.

Pull belt up and over the Clutch Lever, being sure to keep belt inside the Throttle Housing as shown.

2. To replace drive belt, reverse the above process, placing the belt first on the Variable Speed Pulley and then on the Engine Pulley. If the belt is a little stiff pull on it to place it on the Engine Pulley. It will seat itself on the Variable Speed Pulley.

GRAVELY CLEAN-CUT 24 PARTS AND PRICES

<u>Part No.</u>	<u>Description</u>	<u>Price</u>
24000	Frame, Main Tractor, includes the following parts welded to Frame: Brake Assembly, Mower Lift Foot Pedal, Variable Speed Assembly Hanger Tube, Lower Half of Clutch Mounting Bracket, Wheel Fenders -----	75.00
24001	Shield, Right Side: Mounts to Main Frame -----	2.50
24002	Shield, Left Side: Mounts to Main Frame -----	2.50
XX217	Screw, Self Tapping Metal, #10-32 x 1/2" (16 required for side shields) -----	.04 ea.
24003	Shield, rear, Chain & Sprocket Guard -----	2.50
XX217	Screw, Self Tapping Metal, #10-32 x 1/2" (9 required for rear shield) -----	.04 ea.
24004	Guard, Rear Wheel -----	1.50
XX217	Screw, Self Tapping Metal, #10-32 x 1/2" (3 required) -----	.04 ea.
24005	Shield, crescent shaped, front Tractor Frame w/decals -----	1.50
XX217	Screw, self tapping metal, #10-32 x 1/2" (5 required) -----	.04 ea.

Clutch Idler Pulley Assembly

523-C	Pulley complete, Clutch Idler (Includes No's. 24101, 24102, 24103, & XX310) -----	5.79
523	Pulley only, Clutch Idler -----	1.84
532	Bearing, Clutch Idler Pulley, #8501 -----	3.00
533	Bolt, shoulder, 7/16" x 1-1/2", Idler Pulley -----	.80
XX310	Zerk, 1/4" straight, Shoulder Bolt -----	.15
24104	Arm, Idler Pulley -----	1.25
24105	Linkage, to Idler Pulley (Offset) -----	.75
XX131	Cap Screw, 5/16" x 1" SAE (Linkage) -----	.10
XX36	Cap Screw, 5/16" x 3/4" SAE w/Nut (Linkage) -----	.10
24106	Lever w/Clutch Plate (Clutch Control) -----	2.25
24107	Knob, Clutch Control Lever -----	.80
683	Friction Washer, Rubber 1/4" x 3" -----	.40
24109	Friction Washer, Steel (2 required) -----	.60
24110	Clamp, Holding: Clutch Control Rod to Frame -----	.30
XX226	Cap Screw, 1/4" x 1/2" SAE, used with #24110 Clamp (2 required) -----	.05 ea.
24111	Guard, Clutch Belt & Variable Speed Pulley -----	4.50
XX226	Screw, 1/4" x 1/2" SAE Cap w/Nut, Guard Mounting, (4 required) -----	.05 ea.
XX226	Screw, 1/4" x 1/2" SAE, Cap, Brake Spring Hldg. -----	.05
24112	Spring, Brake Return, 4" -----	.40

Seat Assembly

24150	Seat Assembly complete -----	5.50
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<u>Part No.</u>	<u>Description</u>	<u>Price</u>
714	Seat Only -----	2.80
715	Spring, Seat, 1/4" x 3" x 18" Flat -----	2.40
XX47	Bolt, Carriage, 3/8" x 3/4", Seat to Spring w/Nut (2 required)-----	.08 ea.
XX55	Cap Screw, 3/8" x 1" USS, Spring to Frame,(2 required)---	.10 ea.
<u>Throttle Control Assembly</u>		
24160	Throttle Control, complete w/Lever, wire and conduit ----	1.80
24161	Mounting Bracket, U Shape -----	.80
XX226	Cap Screw, 1/4" x 1/2" w/Lock Washer, Throttle Control to Mounting Bracket (2 required) -----	.05 ea.
<u>Steering Assembly</u>		
24170	Steering Assembly, complete -----	9.50
24171	Handle Bar & Steering Shaft Assembly (not sold separately)-	2.50
24172	Housing & Mounting Bracket, Steering Shaft (not sold separately) -----	4.00
XX45	Screw, 3/8" x 1" SAE Cap, Mounts Shaft Housing to Frame (w/Nut and washer) (2 required)-----	.12 ea.
602	Sprocket, Chain, 12 tooth x 5/8" Bore -----	2.31
XX10-9	Key, 3/16" x 3/16" x 3/4" (Sprocket to Shaft)-----	.05
XX212	Screw, Allen Set, 5/16" x 1/4" (Sprocket to Shaft) -----	.10
XX30	Screw, 5/16" x 1/2" SAE Cap (Sprocket to Shaft)-----	.08
XX123	Washer, 1/4" Flat, (for above Screw) -----	.01
XX310	Zerk, 1/4" Straight -----	.15
8040	Grip, Piastic Handle (2 required) -----	.25 ea.
<u>Variable Speed Pulley Assembly</u>		
24200	Variable Speed Pulley Assembly, complete -----	34.50
24201	Pulley, Variable Speed, only -----	11.25
24202	Shaft, Variable Speed Pulley -----	4.50
574	Bearing, for Shaft, 203-FS (2 required) -----	3.30 ea.
24204	Grease Deflector, (Fiber Washing) -----	.10
24205	Housing, Shaft (Includes Mounting Studs) -----	5.50
XX180	Nut, 1/2 SAE Hex, for #24205 (4 required) -----	.10 ea.
602	Sprocket, Chain, 12 tooth x 5/8" Bore, C.H. -----	2.31
XX10-9	Key, 3/16" x 3/16" x 3/4" Sprocket to Shaft -----	.05
XX30	Screw, 5/16" x 1/2" SAE Cap, Sprocket to Shaft -----	.08
XX123	Washer, 1/4" Flat, for above Screw -----	.01
XX212	Screw, 5/16" x 1/4" Allen Set, Sprocket to Shaft -----	.10
24207	Spring, Small Compression -----	.35
24208	Cover, Dust (with oil hole) -----	.35
609	Spring, Large Compression -----	1.00

<u>Part No.</u>	<u>Description</u>	<u>Price</u>
24210	Washer, Large Spring Retaining -----	.50
XX11-2	Key, 3/16" x 3/16" x 1-3/8"(Pulley) -----	.05
XX245	Screw, 5/16" x 1/2" Allen Set (Pulley) -----	.10
XX30	Screw, 5/16" x 1/2" SAE Cap (Puley) -----	.08
XX254	Washer, 5/16" x 1-1/2" Special -----	.03
XX310	Zerk, 1/4" Straight -----	.15

Rear End Drive Assembly Beginning with Mower Serial No. 2948

24050	Rear Drive, Complete; less wheels & sprockets -----	60.00
5330	Rear End Housing Only, Right & Left Sections -----	11.17
151-S	Housing Bolt, 3/8" x 2-1/4" USS Cap, H. T. (8) -----	.08
5306	Bevel Gear Hub -----	5.05
5315	Bevel Gear -----	3.73
110-S	Bevel Gear Bolt (6) -----	.07
5308	Bearing Housing Cap (2) -----	1.98
5309	Bevel Pinion Gear -----	3.62
5318	Gear Housing Oil Seal (2) -----	1.76
5413	Bevel Gear Adjusting Shims -----	.07
121-S	Housing Bearing Bolt; 3/8" x 3/4" USS Cap H. T. (8) . Drive Tube (4) -----	.06
2208-C	Bevel Gear Hub Bearing Cap (2) -----	4.40
2208-R	Bevel Gear Hub Bearing Race (2) -----	2.19
246-N	Elastic Stop Nut, 3/8" Hex (Pinion Drive Shaft)-----	.23
M-139	Bearing Adjusting Shim, .005 -----	.09
M-139	Bearing Adjusting Shim, .020 -----	.19
M-326	Gear Housing Gasket -----	.06
24059	Hex Axle -----	2.50
24060	Vertical Drive Shaft -----	4.00
24061	Drive Shaft Tube -----	6.50
3147	Drive Shaft Lower Bearing -----	3.96
3147-C	Pinion Drive Lower Bearing Cone -----	2.48
3147-R	Pinion Drive Lower Bearing Race -----	1.48
578-A	Top Drive Shaft Bearing #88503 -----	4.00
XX258	5/8" SAE Steel Washer -----	.03
504-K	#9 Woodruff Key -----	.05
XX10-3	1/2" Pipe Plug (2) -----	.15
XX329	1/2" Street El -----	.30
XX189	3/4" Elastic Stop Nut, Hex Axle (2) -----	.30
XX127	3/8" Lockwasher, Drive Housing Tube (4)-----	.03
412-W	Flat Steel Washer, Hex Axle (2) -----	.03
676	48 Tooth x 5/8" Bore Drive Chain Sprocket -----	6.50
675	48 Tooth x 1-3/4" Bore Steering Chain Sprocket -----	7.50
24312	Drive Chain, 41" Length w/Connecting Link -----	4.92
24313	Steering Chain, 58-1/2" Length w/connecting Link -----	7.02

<u>Part No.</u>	<u>Description</u>	<u>Price</u>
XX10-8	1/4" x 3/4" Woodruff Key, Steering Sprocket -----	.10
XX248	5/16" x 1/2" Allen Set Screw, Sprockets (4)-----	.10
XX11	3/16" x 3/16" x 1" Key, Drive Sprocket -----	.05
<u>Mower Unit</u>		
24400	Mower Frame Only -----	49.50
24410	Mower Unit, Complete -----	90.00
24420	Center Assembly Complete -----	25.00
24421	Housing, Center Assembly -----	8.00
24422	Shaft, Vertical USS Thread (Serial No's. 2542 thru 2563 inc.)	3.00
24423	Shaft, Vertical, SAE Thread (Serial No's. 2564 up)-----	3.00
24425	Bearing & Lock Nut Assembly (Not sold separately) (Order this number if Clean-Cut 24 is between 2542 & 2563 inc.) Bearing #204SZ USS Thread) -----	4.60
24426	Bearing & Lock Nut Assembly (not sold separately) (Order this number if Clean-Cut 24 Serial Number is 2564 or higher)-----	4.60
24427	Bearing, Lower #203SZ -----	2.80
24428	Sleeve, Lower (C. A. Housing) -----	1.80
XX261	Screw, 7/16" x 1/2" Allen Set, Sleeve Holding -----	.15
24429	Spring, Lower Sleeve Tension -----	.15
24430	Spacer, Lower -----	.30
24431	Retainer, Lower Grease -----	.10
24432	Ring, Lower Snap -----	.15
24433	Washer, Fiber, Upper on Lower Sleeve -----	.10
24434	Ring, Upper Snap -----	.15
24435	Pulley, Belt 3-1/2" Threaded Bore SAE (For Mower Serial 2564 & up)-----	2.50
24436	Pulley, Belt, 3-1/2" Threaded Bore, USS (For Mower Serial 2542 to 2563 incl.) -----	2.50
24437	Knob, Adjusting Hand (Top of Vertical Shaft) -----	.80
XX233	Screw, 5/16" x 5/8" Allen Set, Adj. Knob -----	.12
24438	Blade Washer, Upper, Aluminum -----	1.00
24439	Blade Washer, Lower, Steel -----	.85
XX181	Nut, Blade Retaining, 1/2" USS Hex -----	.10
XX45	Screw, 3/8" x 1" SAE Cap, Mounts Center Assembly Housing to Mower Frame (4 required)-----	.10 ea.
XX142	Nut, 3/8" SAE Nylock Hex, For XX 45 Screw (4 required)--	.10 ea.
XX310	Zerk, 1/4" Straight -----	.15
24440	Wrench, Double Open End, Blade Nut and Blade Height Adjusting (2 required)-----	.75 ea.
24441	Blade, 24" -----	4.50
24442	Screen, Pulverized, includes Blade-----	14.50
XX190	Screw, 1/4" x 2" SAE Cap Screw w/Nut 3/8" x 1-1/4" Spacer (2 required) -----	.07 ea.

<u>Part No.</u>	<u>Description</u>	<u>Price</u>
24443-A	Guide, Belt, 1/4" x 2" SAE Cap Screw w/nut 3/8" x 1-1/4" Spacer (2 required) -----	.35 ea.
24450	Platform, Mower Unit & Engine Carrying -----	6.50
XX45	Screw, 3/8" x 1" SAE Cap, Platform to Tractor Frame, (2 required) -----	.12 ea.
<u>Engine</u>		
24455	Engine, V55 Lauson, complete w/Recoil -----	76.70
24456-E	Engine, V55 Lauson, w/12 Volt Starter and Recoil -----	110.59
24457	Bar, Front Engine, Mounting, 1/4" x 1-1/2" x 15-1/2" ----	2.25
24458	Bar, Rear Engine Mounting, 1/4" x 1-1/2" x 15-1/2", w/Belt Guides -----	2.50
24459	Clamp, Engine Mounting Bar, L shape (4 required) -----	.60 ea.
XX42	Screw, 5/16" x 1-3/4" SAE Cap (Clamp) (4 required) -----	.10 ea.
24460	Pulley, 2 Groove Engine, 7/8" Bore -----	3.75
XX325	Key, 5/32" Woodruff x 3/4" , Pulley to Shaft-----	.05
XX231	Screw, 5/16" x 3/8" Allen Set, Pulley -----	.10
XX39	Screw, 5/16" x 1-1/2" USS Cap w/nut Engine Mounting, (3 required) -----	.10 ea.
XX33	Screw, 5/16" x 3/4" USS Cap, Engine Mounting-----	.10
<u>12 Volt Starter Assembly</u>		
24502	Battery, 12 volt-----	19.50
24503	Switch, Rubber Covered Push Button -----	2.00
24504	Solenoid, 12 volt Insulated, w/Terminal Hardware -----	3.75
24505	Wire and Terminals Hook-Up -----	1.25
24506	Bracket, Battery Holding -----	3.00
24507	Rod, w/nut & lockwasher, Battery Bracket, 1/4" x 9", (2 required) -----	.35
24508	Battery Shield-----	1.50
<u>Mower Unit Control and Linkage</u>		
24600	Control Rod, Mower-----	1.75
24601	Knob, Mower Control Rod-----	.80
24602	Clamp, Holding, Mower Control Rod to Frame -----	.30
XX226	Screw, 1/4" x 1/2" SAE Cap, for above clamp -----	.05
24603-A	Adjusting Rod Assembly, Blade Drive Belt Tightener and Mower Contro 2 pieces. 7/16" Rod w/Locknut and Tube w/Welded nut -----	1.50
24604	Adjusting Rod, Male End Only, w/Lock Nut Tube -----	.75
24605	Adjusting Tube, Female End-----	.75
24606	Pivot Bar, Mower Control 1/4" x 1-1/4" x 13" Dog Leg Shaped -----	2.25

<u>Part No.</u>	<u>Description</u>	<u>Price</u>
XX78-S	Screw, Pivot 1/2" x 1" SAE, Special -----	.30
XX45	Screw, 3/8" x 1" SAE Cap, w/Nylock Nut, Pivot Bar to Mower Frame -----	.12
XX36	Screw, 5/16" x 3/4" SAE Cap -----	.10
<u>Mower Unit Lift Linkage</u>		
24700	Foot Pedal & Mounting Bracket, (welds to main frame) ----	2.10
24701	Linkage, Mower Lift, 3/16" x 1-1/4" x 6" One End Slotted, Foot Release Rod Welded to Linkage -----	1.25
XX36	Screw, 5/16" x 1" SAE Cap, Linkage to Foot Pedal -----	.10
XX131	Screw, 5/16" x 1" SAE Cap, w/nut & special washers, Linkage to Mower Frame Riser -----	.12
24702	Extension Tube, Mower Release Rod -----	.50
XX245	Screw, Allen Set, 5/16" x 1/2", Extension tube to Release Rod -----	.10
24703	Spring, 3-1/2", Mower Lift Linkage 2 required -----	.40 ea.
24704	Spring, 4" Mower Lift Suspension (2 required) -----	.50 ea.
24705	Rod, 5/16" x 5", w/nut, Mower Lift Suspension Spring Adjusting (2 required) -----	.35 ea.
<u>Wheels and Associated Parts</u>		
24750	Rear Wheel Assembly, complete-----	15.50
24751	Tire, 4.10-3.50 x 6" Diamond Stud Tread D -----	6.40
24752	Tube, 4.10-3.50 x 6" -----	2.90
24753	Wheel, complete, includes Rim & Hub -----	7.50
XX33	Screw, 5/16" x 3/4" USS Cap, w/Nut, Hub to Rim -----	.10
XX30	Screw, 5/16" x 1/2" SAE Cap, w/Special Washer, Hub to Axle -----	.08
XX241	Screw, 3/8" x 1/2" Allen Set (2 required) -----	.10
24754	Washer, Fiber, 1/8" x 1-9/16" OD x 1" ID, Spacer -----	.10
24755	Cap, Hub -----	.50
24770	Front Wheel Assembly, complete-----	15.50
24771	Tire, 4.10-3.50 x 6", Diamond Stud Tread -----	6.40
24772	Tube, 4.10-3.50 x 6" -----	2.90
24773	Wheels, complete, includes Hub, Rim and Timken Brgs. ---	7.50
24774	Bearing, Timken Tapered Roller #LM11949 (2 req'd) -----	1.90 ea.
XX33	Screw, 5/16" x 3/4" USS Cap, w/nut, Hub to Rim -----	.10
XX90	Axle, 3/4" x 5", SAE Cap Screw -----	.60
XX188	Nut, 3/4" SAE Jam, Axle (2 required) -----	.15 ea.
24775	Seal, Grease, 1/2" x 1-3/4" OD x 1-1/8" ID inside bearing	.40
24776	Spacer, Bearing 9/16" x 3/4" ID x 1-1/4" OD Inside Brgn.	.30
24777	Saucer, Inside Wheel, 6-8/8" Diameter, Shields Hub From Grass Cuttings -----	.75
XX15	Screw, 1/4" x 3/4" SAE Cap, w/nut, Saucer to Frame -----	.10

<u>Part No.</u>	<u>Description</u>	<u>Price</u>
24778	Cap, Hub -----	.50
<u>Mower Gauge Wheels</u>		
24800	Gauge Wheel Assembly, Complete, 1" x 5" -----	1.90
504	Gauge Wheel only, 1" x 5" Aluminum -----	1.50
505	Bushing, Gauge Wheel, 3/8 OD x 1/4" ID x 1-1/8" -----	.30
1010	Spring, Flat Tension -----	.20
XX14	Screw, 1/4" x 1-3/4" SAE Cap, w/Nut, Gauge Wheel Spindle (Nylock Nut) -----	.10
867	Bearing, Oilite (presses into 1 x 5" alum. Gauge Wheel) ---	.30
<u>Belts</u>		
661	Belt, Engine to Variable Spedd Pulley #5L570 -----	2.88
24829	Belt, Engine to Blade Shaft #5L290 -----	1.67
<u>Decals</u>		
24900	Decal Set, complete, (includes 7 decals) -----	
24901	Decal, "Clean-Cut 24", 2-5/8" x 5" -----	
24902	Decal, Throttle, "Choke, Run, Stop" 1" x 2-1/2" -----	
24903	Decal, "Keep Under Deck Clean", etc. 3-1/2" x 6" -----	
24904	Decal, "Use Only Clean Cut Reversible Blade", etc. 1-3/16" x 8-3/4" -----	
24905	Decal, Comet Emblem, 2-1/4" x 9-1/2" (Right Side) or Red Stripe -----	
24906	Decal, Comet Emblem, 2-1/4" x 9-1/2" (Left Side) or Red Stripe -----	
<u>Accessories</u>		
24910	Seat Cushion, Foam Rubber -----	3.50
<u>Miscellaneous</u>		
24915	Spacer, (Goes between vari-speed pulley groove) -----	.20
24916	Spacer, 5/8" I.D. x 7/8" O.D. (Goes between vari-speed pulley spring & lower bearing) -----	.40
876	7/8" OD x 43/64" x 1/8" L Spacer, (used under 12 tooth Drive Sprocket, on all riding Models) -----	.15

