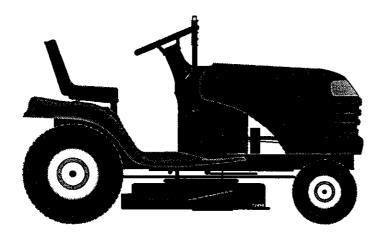
Owner's Manual

CRAFTSMAN®

LAWN TRACTOR

17 HP, 42" Mower Electric Start 6 Speed Transaxle

Model No. 917.271653





This product has a low emission engine which operates differently from previously built engines. Before you start the engine, read and understand this Owner's Manual.

CAUTION:

Read and follow all Safety Rules and Instructions before operating this equipment. For answers to your questions about this product, Call:

1-800-659-5917

Sears Craftsman Help Line 5 am - 5 pm, Mon - Sat

Sears, Roebuck and Co., Hoffman Estates, II 60179 U.S.A. Visit our Craftsman website:www.sears.com/craftsman

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WARRANTY

LIMITED WARRANTY ON CRAFTSMAN RIDING EQUIPMENT

For two (2) years from the date of purchase, if this Craftsman Riding Equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace free of charge any parts that are found to be defective in material or workmanship according to the guidelines of coverage listed below. Sears will also provide free labor for these applicable warranted parts for the two full years. During the first 30 days of purchase, there will be no charges to service the product at your home for issues covered by this warranty. (See exclusions below). For your convenience, IN HOME warranty service will still be available after the first 30 days of purchase, but a trip charge will apply. This charge will be waived if the Craftsman product is dropped off at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®. This warranty applies only while this product is within the United States.

This Warranty does not cover:

- Expendable items which become worn during normal use, including but not limited to blades, spark plugs, air cleaners, belts, and oil filters.
- Standard Maintenance Servicing, oil changes, or tune-ups
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, including but not limited to, damage caused by towing objects beyond the capability of the riding equipment, impacting objects that bend the frame or crankshaft, or over-speeding the engine.
- Repairs necessary because of operator negligence, including but not limited to, electrical and mechanical damage caused by improper storage, failure to use the proper grade and amount of engine oil, failure to keep the deck clear of flammable debris, or failure to maintain the equipment according to the instructions contained in the owner's manual.
- Engine (fuel system) cleaning or repairs caused by fuel determined to be contaminated or oxidized (stale). In general, fuel should be used within 30 days of its purchase date.
- Normal deterioration and wear of the exterior finishes, or product label replacement.
- Riding equipment used for commercial or rental purposes.

LIMITED WARRANTY ON BATTERY

For ninety (90) days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge. During the first 30 days of purchase, there will be no charges to replace the battery at your HOME. After the first 30 days, for your convenience, IN-HOME warranty service will still be available but a trip charge will apply. This charge will be waived if the Craftsman product is dropped of at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®.

This battery warranty applies only while this product is within the United States.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.

Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179

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SAFETY RULES

IMPORTANT: This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

Look for this symbol to point out important safety precautions. It means CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

CAUTION: In order to prevent accidental starting when setting up, transporting, adjusting or making repairs, always disconnect spark plug wire and place wire where it cannot contact spark plug.

CAUTION: Do not coast down a hill in neutral, you may lose control of the tractor.

CAUTION: Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Operate only at the lowest possible speed when on a slope. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

WARNING: Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.

- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone.
 Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- · Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.
- Data indicates that operators, age 60
 years and above, are involved in a large
 percentage of riding mower-related
 injuries. These operators should
 evaluate their ability to operate the riding
 mower safely enough to protect themselves and others from serious injury.
- Keep machine free of grass, leaves or other debris build-up which can touch hot exhaust / engine parts and burn. Do not allow the mower deck to plow leaves or other debris which can cause buildup to occur. Clean any oil or fuel spillage before operating or storing the machine. Allow machine to cool before storage.

II. SLOPE OPERATION

Slopes are a major factor related to loss-ofcontrol and tipover accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

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SAFETY RULES

DO:

- Mow up and down slopes, not across.
- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.
- Use extra care with grass catchers or other attachments. These can change the stability of the machine.
- Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.

DO NOT:

- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- Do not mow near drop-offs, ditches, or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- Do not mow on wet grass. Reduced traction could cause sliding.
- Do not try to stabilize the machine by putting your foot on the ground.
- Do not use grass catcher on steep slopes.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never* assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.

- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
 - Use only an approved container.
 - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
 - Never refuel the machine indoors.
 - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices.
 Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut.
 Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently.
 Adjust and service as required.

SAFETY RULES











- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers or children even with the blades off.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Mow up and down slopes (15° Max), not across.

- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps.
 Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.
- If machine stops while going uphill, disengage blades, shift into reverse and back down slowly.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

PRODUCT SPECIFICATIONS

Gasoline Capacity and Type:	1.25 Unleaded a Regular	and
Oil Type (API-SF-SJ):	SAE 30 (ab SAE 5W-30 (below 32°F	•
Oil Capacity:	3.0 Pints	
Spark Plug: (Gap: .030")	Champion	RC12YC
Ground Speed (M	Forward:	1st 1.1 2nd 1.4 3rd 2.2 4th 3.4 5th 4.3 6th 5.5 1.7
Tire Pressure:	Front: Rear:	14 PSI 12 PSI
Charging System:		Battery Headlights
Battery:	Amp/Hr: Min. CCA: Case Size:	230
Blade Bolt Torque	: 27-35 Ft. LI	os.

CONGRATULATIONS on your purchase of a new tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact a Sears or other qualified service center. We have competent, well-trained technicians and the proper tools to service or repair this tractor.

Please read and retain this manual. The instructions will enable you to assemble and maintain your tractor properly. Always observe the "SAFETY RULES".

REPAIR AGREEMENT

A Repair Agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your tractor.
- Follow the instructions under "Maintenance" and "Storage" sections of this owner's manual.

AWARNING: This tractor is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brushcovered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears service center (See REPAIR PARTS section of this manual).

UNASSEMBLED PARTS Steering Wheel (1) Hex Bolt 3/8-16 x 1 Steering Wheel Insert (1) Locknut 1/4-28 (1) Hex Bolt 1/4-28 x 1-1/4 (1) Locknut 1/2-20 Steering Steering Wheel Extension Adapter Shaft Steering Boot Seat (1) Washer 17/32 x 1-3/16 x 12 Gauge (1) Knob (1) Oil Drain Tube For Future Use **Video Cassette Slope Sheet** Keys

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(2) Keys

ASSEMBLY/PRE-OPERATION

Your new tractor has been assembled at the factory with the exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure proper tightness. Review the video cassette before you begin.

TOOLS REQUIRED FOR ASSEMBLY

A socket wrench set will make assembly easier. Standard wrench sizes you need are listed below.

- (1) 3/4" wrench
- (1) Pliers
- (2) 7/16" wrench
- (1) Utilityknife
- (1) Tire pressure gauge

When right or left hand is mentioned in this manual, it means when you are in the operating position (seated behind the steering wheel).

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

- 1. Remove all accessible loose parts and parts boxes from carton.
- 2. Cut, from top to bottom, along lines on all four corners of carton, and lay panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE REMOVING TRACTOR FROM SKID

ATTACH STEERING WHEEL

ASSEMBLE EXTENSION SHAFT AND BOOT

 Slide extension shaft onto lower steering shaft. Align mounting holes in extension and lower shafts and install 1/4 hex bolt and locknut. Tighten securely.

IMPORTANT: Tighten bolt and nut securely to 10-12 ft. lbs torque.

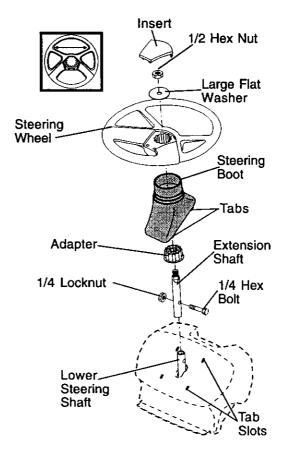
Place tabs of steering boot over tab slots in dash and push down to secure.

INSTALL STEERING WHEEL

- 3. Position front wheels of the tractor so they are pointing straight forward.
- Remove steering wheel adapter from steering wheel and slide adapter onto steering shaft extension.
- 5. Position steering wheel so cross bars are horizontal (left to right) and slide inside boot and onto adapter.
- 6. Assemble large flat washer, 1/2 hex nut and tighten securely.

- 7. Snap steering wheel insert into center of steering wheel.
- 8. Remove protective materials from tractor hood and grill.

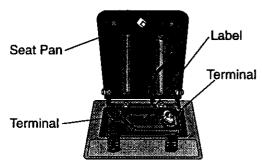
IMPORTANT: Check for and remove any staples in skid that may puncture tires where tractor is to roll off skid.



CHECK BATTERY

1. Lift seat pan to raised position.

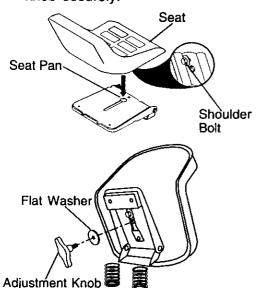
NOTE: If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps. (See "BATTERY" in Maintenance section of this manual for charging instructions).



INSTALL SEAT

Adjust seat before tightening adjustment knob.

- Remove adjustment knob and flat washer securing seat to cardboard packing and set aside for assembly of seat to tractor.
- Pivot seat upward and remove from the cardboard packing. Remove the cardboard packing and discard.
- Place seat on seat pan so head of shoulder bolt is positioned over large slotted hole in pan.
- 4. Push down on seat to engage shoulder bolt in slot and pull seat towards rear of tractor.
- Pivot seat and pan forward and assemble adjustment knob and flat washer loosely. Do not tighten.
- 6. Lower seat into operating position and sit in seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- 8. Get off seat without moving its adjusted position.
- 9. Raise seat and tighten adjustment knob securely.



NOTE: You may now roll or drive your tractor off the skid. Follow the appropriate instruction below to remove the tractor from the skid.

TO ROLL TRACTOR OFF SKID (See Operation section for location and function of controls)

- Press lift lever plunger and raise attachment lift lever to its highest position.
- 2. Release parking brake by depressing clutch/brake pedal.
- 3. Place gearshift lever in neutral (N) position.
- 4. Roll tractor forward off skid.
- 5. Remove banding holding deflector shield up against tractor.

TO DRIVE TRACTOR OFF SKID (See Operation section for location and function of controls)

AWARNING: Before starting, read, understand and follow all instructions in the Operation section of this manual. Be sure tractor is in a well-ventilated area. Be sure the area in front of tractor is clear of other people and objects.

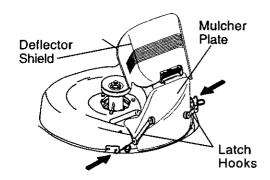
- 1. Be sure all the above assembly steps have been completed.
- 2. Check engine oil level and fill fuel tank with gasoline.
- Sit on seat in operating position, depress clutch/brake pedal and set the parking brake.
- 4. Place gear shift lever in neutral (N) position.
- 5. Press lift lever plunger and raise attachment lift lever to its highest position.
- Start the engine. After engine has started, move throttle control to idle position.
- 7. Depress clutch/brake pedal into full "BRAKE" position and hold. Move gearshift lever to 1st gear.
- 8. Slowly release clutch/brake pedal and slowly drive tractor off skid.
- Apply brake to stop tractor, set parking brake and place gearshift lever in neutral position.
- 10. Turn ignition key to "STOP" position. Continue with the instructions that follow.

Need Parts? Visit http://manualbuddy.com/parts/ Need parts for your Crafts product? Check out our parts selection at: https://manualbuddy.com/parts/ Check out our parts selection at: https://manualbuddy.com/parts/ Check out our parts selection at:

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INSTALL MULCHER PLATE (If previously removed)

- 1. Raise and hold deflector shield in upright position.
- Place front of mulcher plate over front of mower deck opening and slide into place, as shown.
- Hook front latch into hole on front of mower deck.
- Hook rear latch into hole on back of mower deck.



ACAUTION: Do not remove deflector shield from mower. Raise and hold shield when attaching mulcher plate and allow it to rest on plate while in operation.

TO CONVERT TO BAGGING OR DISCHARGING

Simply remove mulcher plate and store in a safe place. Your mower is now ready for discharging or installation of optional grass catcher accessory.

NOTE: It is not necessary to change blades. The mulcher blades are designed for discharging and bagging also.

CHECK TIRE PRESSURE

The tires on your tractor were overinflated at the factory for shipping purposes. Correct tire pressure is important for best cutting performance.

 Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" section of this manual.

CHECK DECK LEVELNESS

For best cutting results, mower housing should be properly leveled. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.

CHECK FOR PROPER POSITION OF ALL BELTS

See the figures that are shown for replacing motion and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly.

CHECK BRAKE SYSTEM

After you learn how to operate your tractor, check to see that the brake is properly adjusted. See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual.

✓ CHECKLIST

Before you operate and enjoy your new tractor, we wish to assure that you receive the best performance and satisfaction from this Quality Product.

Please review the following checklist:

- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated at the factory).
- ✓ Be sure mower deck is properly leveled side-to-side/front-to-rear for best cutting results. (Tires must be properly inflated for leveling).
- Check mower and drive belts. Be sure they are routed properly around pulleys and inside all belt keepers.
- Check wiring. See that all connections are still secure and wires are properly clamped.

While learning how to use your tractor, pay extra attention to the following important items:

- ✓ Engine oil is at proper level.
- ✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- ✓ Become familiar with all controls their location and function. Operate them before you start the engine.
- ✓ Be sure brake system is in safe operating condition.

OPERATION

These symbols may appear on your tractor or in literature supplied with the product. Learn and understand their meaning.





IGNITION



REVERSE



NEUTRAL



HIGH



LOW





PARKING BRAKE



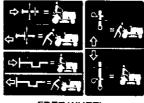
ATTACHMENT CLUTCH DISENGAGED

KEEP AREA CLEAR

EAR SLOPE HAZARDS (SEE SAFETY RULES SECTION)



DANGER, KEEP HANDS AND FEET AWAY

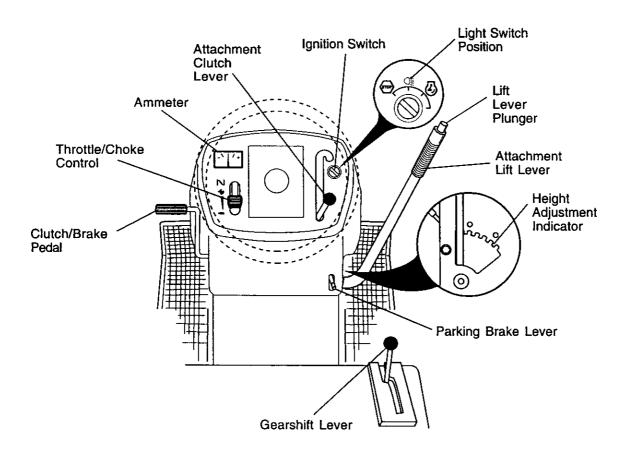


FREE WHEEL (Automatic Models only)

KNOW YOUR TRACTOR

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TRACTOR

Compare the illustrations with your tractor to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.



Our tractors conform to the safety standards of the American National Standards Institute.

AMMETER - Indicates charging (+) or discharging (-) of battery.

ATTACHMENT CLUTCH LEVER - Used to engage the mower blades, or other attachments mounted to your tractor.

ATTACHMENT LIFT LEVER - Used to raise, lower, and adjust the mower deck or other attachments mounted to your tractor.

CLUTCH/BRAKE PEDAL - Used for declutching and braking the tractor and starting the engine.

GEARSHIFT LEVER - Selects the speed and direction of tractor.

IGNITION SWITCH - Used for starting and stopping the engine.

LIFT LEVER PLUNGER - Used to release attachment lift lever when changing its position.

LIGHT SWITCH POSITION - Turns the headlights on and off.

PARKING BRAKE LEVER - Locks clutch/ brake pedal into the brake position.

THROTTLE/CHOKE CONTROL - Used for starting and controlling engine speed.

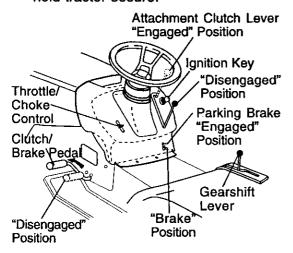


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety glasses.

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE

Your tractor is equipped with an operator presence sensing switch. When engine is running, any attempt by the operator to leave the seat without first setting the parking brake will shut off the engine.

- Depress clutch/brake pedal all the way down and hold.
- Pull parking brake lever up and release pressure from clutch/brake pedal. Pedal should remain in brake position. Make sure parking brake will hold tractor secure.



STOPPING

MOWER BLADES -

 To stop mower blades, move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- To stop ground drive, depress clutch/ brake pedal all the way down.
- Move gearshift lever to neutral (N) position.

ENGINE -

- Move throttle control to slow position.
 NOTE: Failure to move throttle control to slow position and allowing engine to idle before stopping may cause engine to "backfire".
- Turn ignition key to "STOP" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.
- Never use choke to stop engine.

IMPORTANT: Leaving the ignition switch in any position other than "STOP" will cause the battery to discharge and go dead.

NOTE: Under certain conditions when tractor is standing idle with the engine running, hot engine exhaust gases may cause "browning" of grass. To eliminate this possibility, always stop engine when stopping tractor on grass areas.

ACAUTION: Always stop tractor completely, as described above, before leaving the operator's position.

TO USE THROTTLE CONTROL

Always operate engine at full throttle.

- Operating engine at less than full throttle reduces the battery charging rate.
- Full throttle offers the best bagging and mower performance.

TO MOVE FORWARD AND BACKWARD

The direction and speed of movement is controlled by the gearshift lever.

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.
- 2. Move gearshift lever to desired position.
- 3. Slowly release clutch/brake pedal to start movement.

IMPORTANT: Bring tractor to a complete stop before shifting or changing gears. Failure to do so will shorten the useful life of your transaxle.

TO ADJUST MOWER CUTTING HEIGHT

The position of the attachment lift lever determines the cutting height.

- Grasp lift lever.
- Press plunger with thumb and move lever to desired position.

The cutting height range is approximately 1-1/2 to 4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

- The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first cut relatively high; the second to desired height.

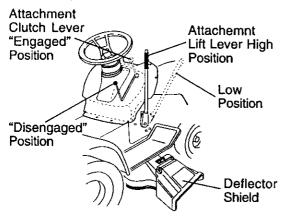
TO OPERATE MOWER

Your tractor is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine.

- 1. Select desired height of cut.
- 2. Start mower blades by engaging attachment clutch control.

TO STOP MOWER BLADES - disengage attachment clutch control.

ACAUTION: Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the deflector shield in place.



TO OPERATE ON HILLS

ACAUTION: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope. Use the slope guide at the back of this manual.

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.

- Move gearshift lever to 1st gear. Be sure you have allowed room for tractor to roll slightly as you restart movement.
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

- Raise attachment lift to highest position with attachment lift control.
- When pushing or towing your tractor, be sure gearshift lever is in neutral (N) position.
- Do not push or tow tractor at more than five (5) MPH.

NOTE: To protect hood from damage when transporting your tractor on a truck or a trailer, be sure hood is closed and secured to tractor. Use an appropriate means of tying hood to tractor (rope, cord, etc.).

TOWING CARTS AND OTHER ATTACH-MENTS

Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL

The engine in your tractor has been shipped, from the factory, already filled with summer weight oil.

- 1. Check engine oil with tractor on level ground.
- Remove oil fill cap/dipstick and wipe clean, reinsert the dipstick and screw cap tight, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (See "OIL VISCOSITY CHART" in the Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

ADD GASOLINE

 Fill fuel tank to bottom of filler neck. Do not overfill. Use fresh, clean, regular unleaded gasoline with a minimum of 87 octane. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

CAUTION: Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

IMPORTANT: When operating in temperatures below32°F(0°C), use fresh, clean winter grade gasoline to help insure good cold weather starting.

CAUTION: Alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

TO START ENGINE

When starting the engine for the first time or if the engine has run out of fuel, it will take extra cranking time to move fuel from the tank to the engine.

- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- 2. Place gear shift lever in neutral (N) position.
- Move attachment clutch to disengaged position.
- 4. Move throttle control to choke position.

NOTE: Before starting, read the warm and cold starting procedures below.

5. Insert key into ignition and turn key clockwise to start position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If the engine does not start after several attempts, move throttle control to fast position, wait a few minutes and try again. If engine still does not start, move the throttle control back to the choke position and retry.

WARM WEATHER STARTING (50° F and above)

- 6. When engine starts, move the throttle control to the fast position.
- The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above.

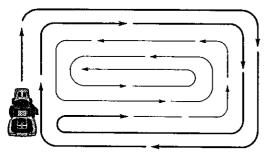
COLD WEATHER STARTING (50° F and below)

- 6. When engine starts, leave throttle control in choke position until engine warms up and begins to run roughly. Once rough running begins, immediately move the throttle control to the fast position. Engine warm-up may take from several seconds to several minutes (the colder the temperature, the longer the warm-up).
- The attachments can also be used during the engine warm-up period.

NOTE: If at a high altitude (above 3000 feet) or in cold temperatures (below 32 F) the carburetor fuel mixture may need to be adjusted for best engine performance (see "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual).

MOWING TIPS

- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has already been cut. Have the cut area to the right of the tractor. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished.

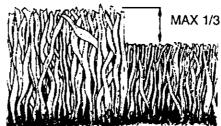


- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

MULCHING MOWING TIPS

IMPORTANT: For best performance, keep mower housing free of built-up grass and trash. Clean after each use.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet.
 Wet grass tends to form clumps and
 interferes with the mulching action.
 The best time to mow your lawn is the
 early afternoon. At this time the grass
 has dried and the newly cut area will
 not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades. For extremely heavy grass, reduce your width of cut on each pass and mow slowly.



- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

MAINTENANCE

AS	MAINTENANCE SCHEDUL LI IN DATES YOU COMPLETE GULAR SERVICE	E	EFORE	ENCHUS ENERY &	YERY 2	HOUR VERY S	VERY .	S HOU OD HOU WERY P	RS ON SEASONES SEFORES	OF NOTE	E DATE
	Check Brake Operation	1	V								
	Check Tire Pressure	1	1								
T	Check Operator Presence and Interlock Systems	1									
Ŗ	Check for Loose Fasteners	V				1 /5		~			
A	Sharpen/Replace Mower Blades			√ 3							
Ç	Lubrication Chart			/				1			
Ö	Check Battery Level			1							
R	Clean Battery and Terminals			1				1			
	Check Transaxle Cooling		T	1							
	Check V-Belts					1			i		
	Check Engine Oil Level	V	1								
	Change Engine Oil (with oil filter)				1,2			1			
Е	Change Engine Oil (without oil filter)			1,2		<u> </u>		1			
N	Clean Air Filter			✓ 2							
Ģ	Clean Air Screen			1 /2							
I N	Inspect Muffler/Spark Arrester				1						
E	Replace Oil Filter (If equipped)					1 1.2					
-	Clean Engine Cooling Fins					V 2					
	Replace Spark Plug	1				1	1				
	Replace Air Filter Paper Cartridge					1/2		<u> </u>		<u> </u>	
	Replace Fuel Filter		1	1			1		1	T-: -	

- Change more often when operating under a heavy load or in high ambient temperatures.
- 2 Service more often when operating in dirty or dusty conditions.
- 3 Replace blades more often when moving in sandy soit.
 4 Not required if equipped with maintenance-free battery.
- 5 Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not overtighten.

GENERAL RECOMMENDATIONS

The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual. Some adjustments will need to be made periodically to properly maintain your tractor.

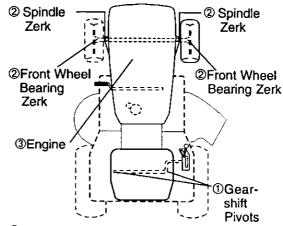
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

 Once a year you should replace the spark plug, clean or replace air filter, and check blades and belts for wear. A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer.

BEFORE EACH USE

- 1. Check engine oil level.
- 2. Check brake operation.
- 3. Check tire pressure.
- Check operator presence and interlock systems for proper operation.
- 5. Check for loose fasteners.

LUBRICATION CHART



①SAE 30 or 10w30 MOTOR OIL②GENERAL PURPOSE GREASE③REFER TO Maintenance "ENGINE"SECTION

IMPORTANT: Do not oil or grease the pivot points which have special nylon bearings. Viscous lubricants will attract dust and dirt that will shorten the life of the self-lubricating bearings. If you feel they must be lubricated, use only a dry, powdered graphite type lubricant sparingly.

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TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

If tractor requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted. (See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual).

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" section of this manual).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.

OPERATOR PRESENCE SYSTEM

Be sure operator presence and interlock systems are working properly. If your tractor does not function as described, repair the problem immediately.

- The engine should not start unless the clutch/brake pedal is fully depressed and attachement clutch control is in the disengaged position.
- When the engine is running, any attempt by the operator to leave the seat without first setting the parking brake should shut off the engine.
- When the engine is running and the attachment clutch is engaged, any attempt by the operator to leave the seat should shut off the engine.
- The attachment clutch should never operate unless the operator is in the seat.

BLADE CARE

For best results mower blades must be kept sharp. Replace bent or damaged blades.

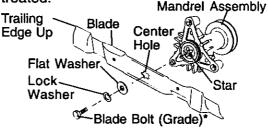
BLADE REMOVAL

- 1. Raise mower to highest position to allow access to blades.
- 2. Remove blade bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.

IMPORTANT: To ensure proper assembly, center hole in blade must align with star on mandrel assembly.

- Reassemble blade bolt, lock washer and flat washer in exact order as shown.
- 5. Tighten blade bolt securely (27-35 Ft. Lbs. torque).

IMPORTANT: Blade bolt is grade 8 heat treated.



*A Grade 8 heat treated bolt can be identified by six lines on the bolt head.

TO SHARPEN BLADE

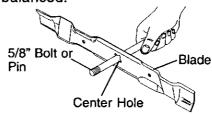
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration and eventual damage to mower and engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer.)

NOTE: Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not.

 Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground.
 If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.



BATTERY

Your tractor has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life.

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- · Keep battery and terminals clean.
- · Keep battery bolts tight.
- Keep small vent holes open.
- Recharge at 6-10 amperes for 1 hour.
 NOTE: The original equipment battery on your tractor is maintenance free. Do not attempt to open or remove caps or covers.
 Adding or checking level of electrolyte is not necessary.

TO CLEAN BATTERY AND TERMINALS Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor.
- Rinse the battery with plain water and dry.
- 3. Clean terminals and battery cable ends with wire brush until bright.
- 4. Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "REPLACING BATTERY" in the SERVICE AND ADJUSTMENTS section of this manual).

TRANSAXLE COOLING

Keep transaxle free from build-up of dirt and chaff which can restrict cooling.

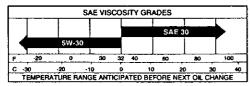
V-BELTS

Check V-belts for deterioration and wear after 100 hours of operation and replace if necessary. The belts are not adjustable. Replace belts if they begin to slip from wear.

ENGINE

LUBRICATION

Only use high quality detergent oil rated with API service classification SF- SJ. Select the oil's SAE viscosity grade according to your expected operating temperature.



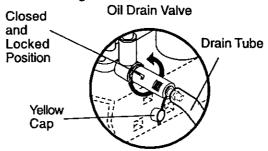
NOTE: Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running

Change the oil after every 25 hours of operation or at least once a year if the tractor is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each eight (8) hours of operation. Tighten oil fill cap/dipstick securely each time you check the oil level.

TO CHANGE ENGINE OIL

Determine temperature range expected before oil change. All oil must meet API service classification SF-SJ.

- Be sure tractor is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove yellow cap from end of drain valve and install the drain tube onto the fitting.



- Unlock drain valve by pushing inward slightly and turning counterclockwise.
- 4. To open, pull out on the drain valve.
- After oil has drained completely, close and lock the drain valve by pushing inward and turning clockwise until the pin is in the locked position as shown.
- Remove the drain tube and replace the cap onto to the end of the drain valve.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PRODUCT SPECIFICATIONS" section of this manual.
- Use gauge on oil fill cap/dipstick for checking level. Be sure dipstick cap is tightened securely for accurate reading. Keep oil at "FULL" line on dipstick.

AIR FILTER

Your engine will not run properly using a dirty air filter. Clean the foam pre-cleaner after every 25 hours of operation or every season. Service paper cartridge every 100 hours of operation or every season, whichever occurs first.

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Service air cleaner more often under dusty conditions.

1. Remove knob(s) and cover.

TO SERVICE PRE-CLEANER

- 2. Slide foam pre-cleaner off cartridge.
- 3. Wash it in liquid detergent and water.
- 4. Squeeze it dry in a clean cloth.
- Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.

NOTE: If very dirty or damaged, replace pre-cleaner.

- 6. Reinstall pre-cleaner over cartridge.
- 7. Reinstall cover and secure with knob(s).

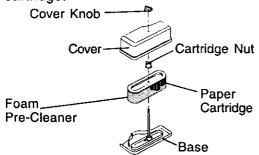
TO SERVICE CARTRIDGE

- 1. Remove cartridge nut.
- Carefully remove cartridge to prevent debris from entering carburetor.
 Clean base carefully to prevent debris from entering carburetor.
- 3. Clean cartridge by tapping gently on flat surface.

NOTE: If very dirty or damaged, replace cartridge.

4. Reinstall cartridge, nut, precleaner, cover and secure with knob(s).

IMPORTANT: Petroleum solvents, such as kerosene, are not to be used to clean the cartridge. They may cause deterioration of the cartridge. Do not oil cartridge. Do not use pressurized air to clean or dry cartridge.



CLEAN AIR SCREEN

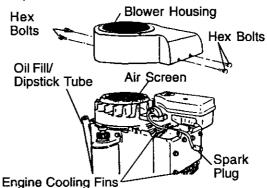
Air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

ENGINE COOLING FINS

Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating.

- 1. Remove oil fill cap/dipstick.
- Remove hex bolts from blower housing and lift housing off engine.
- Cover oil fill opening to prevent entry

- 4. Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- 5. To reassemble, reverse above procedure.



MUFFLER

Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage.

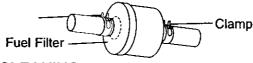
SPARK PLUG(S)

Replace spark plug(s) at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" section of this manual.

IN-LINE FUEL FILTER

The fuel filter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required.

- 1. With engine cool, remove filter and plug fuel line sections.
- 2. Place new fuel filter in position in fuel line with arrow pointing towards carburetor.
- 3. Be sure there are no fuel line leaks and clamps are properly positioned.
- 4. Immediately wipe up any spilled gasoline.



CLEANING

- Clean engine, battery, seat, finish, etc. of all foreign matter.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- Protect painted surfaces with automotive type wax.

We do not recommend using a garden hose to clean your tractor unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life.

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SERVICE AND ADJUSTMENTS



WARNING: TO AVOID SERIOUS INJURY, BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- 1. Depress clutch/brake pedal fully and set parking brake.
- 2. Place gearshift lever in neutral (N) position.
- 3. Place attachment clutch in "DISENGAGED" position.
- 4. Turn ignition key "STOP" and remove key.
- 5. Make sure the blades and all moving parts have completely stopped.
- 6. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER

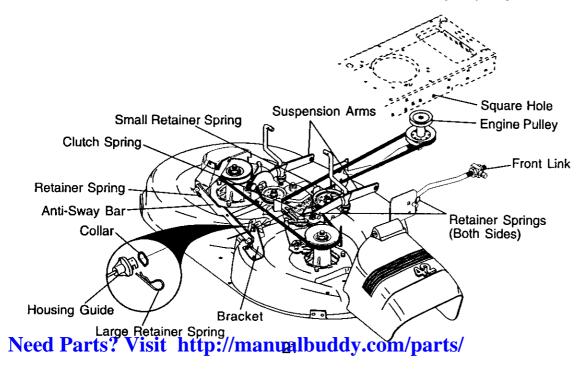
Mower will be easier to remove from the right side of tractor.

- 1. Place attachment clutch in "DISEN-GAGED" position.
- 2. Move attachment lift lever forward to lower mower to its lowest position.
- 3. Roll belt off engine pulley.
- 4. Remove small retainer spring, and lift clutch spring off pulley bolt.
- Remove large retainer spring, slide collar off and push housing guide out of bracket.
- 6. Disconnect anti-sway bar from chassis bracket by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- 8. Disconnect front links from deck by removing retainer springs.
- Raise lift lever to raise suspension arms. Slide mower out from under tractor.

IMPORTANT: If an attachment other than the mower deck is to be mounted on the tractor, remove the front links and hook the clutch spring Into square hole in frame.

TO INSTALL MOWER

- 1. Raise attachment lift lever to its highest position.
- Slide mower under tractor with deflector shield to right side of tractor.
- 3. Lower lift lever to its lowest position.
- 4. Connect front links to mower deck and secure with retainer springs.
- Connect suspension arms to rear deck brackets and secure with retainer springs.
- Connect anti-sway bar to chassis bracket and secure with retainer spring.
- 7. Push clutch cable housing guide into bracket, slide collar onto guide and secure with large retainer spring.
- 8. Install belt onto engine pulley.



TO LEVEL MOWER HOUSING

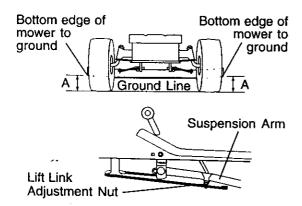
Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PROD-UCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT

- · Raise mower to its highest position.
- At the midpoint of both sides of mower, measure height from bottom edge of mower to ground. Distance "A" on both sides of mower should be the same or within 1/4" of each other.
- If adjustment is necessary, make adjustment on one side of mower only.
- To raise one side of mower, tighten lift link adjustment nut on that side.
- To lower one side of mower, loosen lift link adjustment nut on that side.

NOTE: Each full turn of adjustment nut will change mower height about 1/8".

Recheck measurements after adjusting.



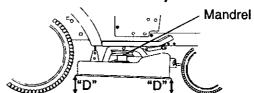
FRONT-TO-BACK ADJUSTMENT IMPORTANT: Deck must be level side-to side. If the following front-to-back adjustment is necessary, be sure to adjust both front links equally so mower will stay level side-to-side.

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/8" to 1/2" lower than the rear when the mower is in its highest position.

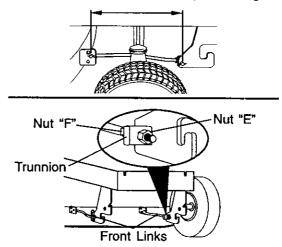
Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.

- Before making any necessary adjustments, check that both front links are equal in length.
- If links are not equal in length, adjust one link to same length as other link.

- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links.
 Tighten nut "E" on both front links an equal number of turns. The two front links must remain equal in length.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.
- · Recheck side-to-side adjustment.



Both Front Links Should be Equal in Length



TO REPLACE MOWER BLADE DRIVE BELT

The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake.

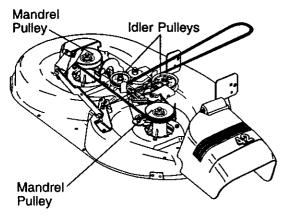
BELT REMOVAL -

- Remove mower from tractor (See "TO REMOVE MOWER" in this section of manual).
- 2. Work belt off both mandrel pulleys and idler pulleys.
- 3. Pull belt away from mower.

BELT INSTALLATION -

- Work belt around both mandrel pulleys and idler pulleys
- 2. Make sure belt is in all pulley grooves and inside all belt guides.
- 3. Install mower (See "To Install Mower" in this section of this manual).

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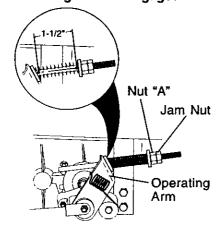


TO ADJUST BRAKE

Your tractor is equipped with an adjustable brake system which is mounted on the right side of the transaxle. If tractor requires more than six (6) feet stopping distance at high speed in highest gear on a level dry concrete or paved surface, then brake must be adjusted.

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- 3. If distance is other than 1-1/2", loosen jam nut and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against nut "A".
- 4. Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact a Sears or other qualified service center.

With Parking Brake "Engaged"



TO REPLACE MOTION DRIVE BELT

Park the tractor on level surface. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest.

BELT REMOVAL -

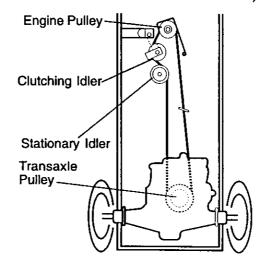
 Remove mower (See "TO REMOVE MOWER" in this section of manual).

NOTE: Observe entire motion drive belt and position of all belt guides and keepers.

- Remove belt from stationary idler and clutching idler.
- Remove belt downward from around engine pulley.
- Pull belt slack toward rear of tractor.
 Remove belt upwards from transaxle pulley by deflecting belt keepers.
- Remove belt from center span keeper and pull belt away from tractor.

BELT INSTALLATION -

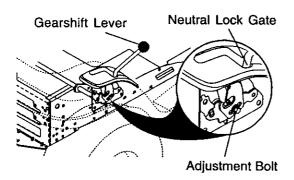
- Carefully work new belt down between transaxle belt keepers and onto the input pulley.
- 2. Slide belt into the center span keeper.
- Pull belt toward front of tractor and roll around the top groove of engine pulley.
- 4. İnstall belt through stationary idler and clutching idler.
- Make sure belt is in all pulley grooves and inside all belt guides and keepers.
- Install mower (See "TO INSTALL MOWER" in this section of manual).



TRANSAXLE GEAR SHIFT LEVER NEUTRAL ADJUSTMENT

The transaxle should be in neutral when the gear shift lever is in neutral (N) (lock gate) position. The adjustment is preset at the factory; however, if adjustment is needed, proceed as follows:

- 1. Make sure transaxle is in neutral (N). NOTE: When the tractor rear wheels move freely, the transaxle is in neutral.
- Loosen adjustment bolt in front of the right rear wheel.
- 3. Position the gear shift lever in the neutral (N) position.
- 4. Tighten adjustment bolt securely. **NOTE:** If additional clearance is needed to get to adjustment bolt, move mower deck height to the lowest position.



TO ADJUST STEERING WHEEL ALIGNMENT

If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble with crossbars horizontal. Tighten securely.

FRONT WHEEL TOE-IN/CAMBER

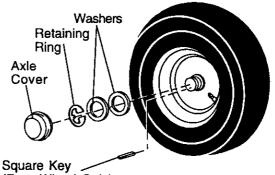
The front wheel toe-in and camber are not adjustable on your tractor. If damage has occurred to affect the front wheel toe-in or camber, contact a Sears or other qualified service center.

TO REMOVE WHEEL FOR REPAIRS

- 1. Block up axle securely.
- Remove axle cover, retaining ring and washers to allow wheel removal (rear wheels have a square key - Do not lose).
- 3. Repair tire and reassemble. **NOTE:** On rear wheels only: align grooves in rear wheel hub and axle. Insert square key.

- 4. Replace washers and snap retaining ring securely in axle groove.
- 5. Replace axle cover.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, purchase and use tire sealant from Sears. Tire sealant also prevents tire dry rot and corrosion.



(Rear Wheel Only)

TO START ENGINE WITH A WEAK BATTERY

WARNING: Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries.

If your battery is too weak to start the engine, it should be recharged. (See "BATTERY" in the MAINTENANCE section of this manual).

If "jumper cables" are used for emergency starting, follow this procedure:

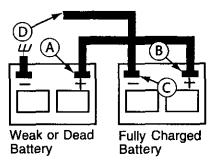
IMPORTANT: Your tractor is equipped with a 12 volt system. The other vehicle must also be a 12 volt system. Do not use your tractor battery to start other vehicles.

TO ATTACH JUMPER CABLES -

- Connect one end of the RED cable to the POSITIVE (+) terminal of each battery(A-B), taking care not to short against tractor chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal (C) of fully charged battery.
- Connect the other end of the BLACK cable (D) to good chassis ground, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

- 1. BLACK cable first from chassis and then from the fully charged battery.
- 2. RED cable last from both batteries.

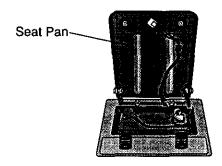


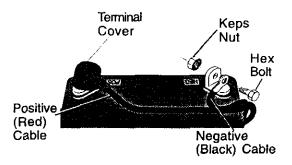
REPLACING BATTERY

WARNING: Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc.

Positive terminal must be connected first to prevent sparking from accidental grounding.

- 1. Lift seat pan to raised position.
- Disconnect BLACK battery cable first then RED battery cable and carefully remove battery from tractor.
- 3. Install new battery with terminals in same position as old battery.
- First connect RED battery cable to positive (+) terminal with hex bolt and keps nut as shown. Tighten securely. Slide terminal cover over terminal
- Connect BLACK grounding cable to negative (-) terminal with remaining hex bolt and keps nut. Tighten securely.





TO REPLACE HEADLIGHT BULB

- 1. Raise hood.
- 2. Pull bulb holder out of the hole in the backside of the grill.
- Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill.
- 4. Close hood.

INTERLOCKS AND RELAYS

Loose or damaged wiring may cause your tractor to run poorly, stop running, or prevent it from starting.

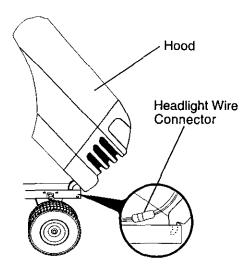
 Check wiring. See electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

Replace with 20 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL ASSEMBLY

- 1. Raise hood.
- 2. Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- When replacing hood, be sure to reconnect the headlight wire connector.



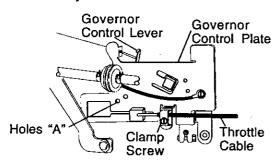
ENGINE

Maintenance, repair, or replacement of the emission control devices and systems, which are being done at the customers expense, may be performed by any non-road engine repair establishment or individual. Warranty repairs must be performed by an authorized engine manufacturer's service outlet.

TO ADJUST THROTTLE CONTROL CABLE

The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

- With engine not running, move throttle control lever from slow to choke position. Slowly move lever from choke to fast position.
- Check that holes "A" in governor control lever and hole in governor plate line-up. If holes "A" are not aligned, loosen clamp screw and move throttle cable until holes are aligned. Tighten clamp screw securely.



TO ADJUST CARBURETOR

NOTE: The carburetor on this engine is low emission. It is equipped with an idle fuel adjusting needle with a limiter cap, which allows some adjustment within the limits allowed by the cap. Do not attempt to remove the limiter cap. The limiter cap cannot be removed without breaking the adjusting needle.

The carburetor has been preset at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows: In general, turning idle mixture valve in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the idle mixture valve out (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: Damage to the needle valve and the seat in carburetor may result if screw is turned in too tight.

PRELIMINARY SETTING -

- Air cleaner assembly must be assembled to the carburetor when making carburetor adjustments.
- Be sure the throttle control cable is adjusted properly (see above).

FINAL SETTING -

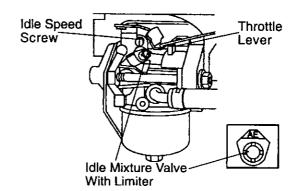
- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in neutral (N) position.
- Move throttle control lever to slow position. With finger, rotate and hold throttle lever against idle speed screw. Turn idle speed screw to attain 1750 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture valve full travel clockwise then counterclockwise until engine runs rough. Turn valve to a point midway between those two positions. Release throttle lever.

ACCELERATION TEST -

 Move throttle control lever from slow to fast position. If engine hesitates or dies, turn idle mixture valve out (counterclockwise) 1/8 turn. Repeat test and continue to adjust, if necessary, until engine accelerates smoothly.

High speed stop is factory adjusted. Do not adjust or damage may result.

IMPORTANT: Never tamper with the engine governor, which is factory set for proper engine speed. Overspeeding the engine above the factory high speed setting can be dangerous. If you think the engine-governed high speed needs adjusting, contact a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.



STORAGE

Immediately prepare your tractor for storage at the end of the season or if the tractor will not be used for 30 days or more.

ACAUTION: Never store the tractor with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

TRACTOR

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire tractor (See "CLEANING" in the Maintenance section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- 3. Lubricate as shown in the Maintenance section of this manual.
- Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- 5. Touch up all rusted or chipped paint surfaces; sand lightly before painting.

BATTERY

- Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMI-NALS" in the Maintenance section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts such as carburetor, fuel hose, or tank during storage. Also, alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

- 1. Drain the fuel tank.
- 2. Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- · Use fresh fuel next season.

NOTE: Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer.

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Maintenance section of this manual). CYLINDER(S)

- 1. Remove spark plug(s).
- 2. Pour one ounce of oil through spark plug hole(s) into cylinder(s).
- 3. Turn ignition key to start position for a few seconds to distribute oil.
- 4. Replace with new spark plug(s).

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your tractor indoors and cover it to give protection from dust and dirt.
- Cover your tractor with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your tractor to rust.

IMPORTANT: Never cover tractor while engine and exhaust areas are still warm.

TROUBLESHOOTING CHART

See appropriate section in manual unless directed to Sears service center

PROBLEM	CAUSE	CORRECTION
Will not start	 Out of fuel. Engine not "CHOKED" properly. Engine flooded. Bad spark plug. Dirty air filter. Dirty fuel filter. Water in fuel. 	 Fill fuel tank. See "TO START ENGINE" in Operation section. Wait several minutes before attempting to start. Replace spark plug. Clean/replace air filter. Replace fuel filter. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter.
	 Loose or damaged wiring. Carburetor out of adjustment. 10.Engine valves out of 	8. Check all wiring. 9. See "To Adjust Carburetor" in Service and Adjustments section. 10.Contact a Sears or other
	adjustment.	qualified service center.
Hard to start	 Dirty air filter. Bad spark plug. Weak or dead battery. 	 Clean/replace air filter. Replace spark plug. Recharge or replace battery.
	4. Dirty fuel filter. 5. Stale or dirty fuel.	 Replace fuel filter. Drain fuel tank and refill with fresh gasoline.
	 Loose or damaged wiring. Carburetor out of adjustment. 	 6. Check all wiring. 7. See "To Adjust Carburetor" in Service and Adjustments section.
	Engine valves out of adjustment.	Contact a Sears or other qualified service center.
Engine will not turn over	 Clutch/brake pedal not depressed. Attachment clutch is engaged. Weak or dead battery. 	 Depress clutch/brake pedal. Disengage attachment clutch. Recharge or replace battery.
	4. Blown fuse.5. Corroded battery terminals.6. Loose or damaged wiring.7. Faulty ignition switch.	 Replace fuse. Clean battery terminals. Check all wiring. Check/replace ignition
	8. Faulty solenoid or starter.	switch. 8. Check/replace solenoid or starter.
	Faulty operator presence switch(es).	Contact a Sears or other qualified service center.
Engine clicks but will not start	 Weak or dead battery. Corroded battery terminals. Loose or damaged wiring. Faulty solenoid or starter. 	 Recharge or replace battery. Clean battery terminals. Check all wiring. Check/replace solenoid or starter.

TROUBLESHOOTING CHART

See appropriate section in manual unless directed to Sears service center

PROBLEM	CAUSE	CORRECTION
Loss of power	 Cutting too much grass/too fast. Throttle in "CHOKE" position. Build-up of grass, leaves and trash under mower. Dirty air filter. Low oil level/dirty oil. Faulty spark plug. Dirty fuel filter. Stale or dirty fuel. Water in fuel. Dirty/clogged muffler. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Set in "Higher Cut" position/ reduce speed. Adjust throttle control. Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil. Clean and regap or change spark plug. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Drain fuel tank and carbure tor, refill tank with fresh gasoline and replace fuel filter. Connect and tighten spark plug wire. Clean engine air screen/fins. Clean engine amffler. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center.
Excessive vibration	 Worn, bent or loose blade. Bent blade mandrel. Loose/damaged part(s). 	Replace blade. Tighten blade bolt. Replace blade mandrel. Tighten loose part(s). Replace damaged parts.
Engine continues to run when operator leaves seat with with attachment clutch engaged	Faulty operator-safety presence control system.	Check wiring, switches and connections. If not contact a Sears or other qualified service center.
Poor cut - uneven	 Worn, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Replace blade mandrel. Clean around mandrels to open vent holes.

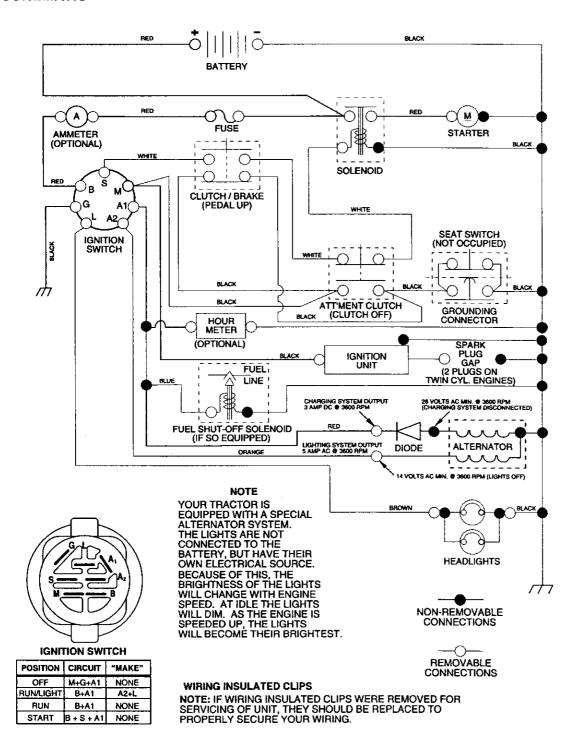
TROUBLESHOOTING CHART

See appropriate section in manual unless directed to Sears service center

PROBLEM	CAUSE	CORRECTION
Mower blades will not rotate	Obstruction in clutch mechanism.	Remove obstruction.
	Worn/damaged mower drive belt.	2. Replace mower drive belt.
	 Frozen idler pulley. Frozen blade mandrel. 	 Replace idler pulley. Replace blade mandrel.
Poor grass discharge	Engine speed too slow.	Place throttle control in "FAST" position.
	 Travel speed too fast. Wet grass. 	Shift to slower speed. Allow grass to dry before mowing.
	4. Mower deck not level. 5. Low/uneven tire air	4. Level mower deck.5. Check tires for proper air
	pressure. 6. Worn, bent or loose blade.	pressure. 6. Replace/sharpen blade. Tighten blade bolt.
	7. Buildup of grass, leaves and trash under mower.	Clean underside of mower housing.
	8. Mower drive belt worn.9. Blades improperly installed.	8. Replace mower drive belt.9. Reinstall blades sharp edge down.
	10.Improper blades used.	10.Replace with blades listed in this manual.
	11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	11.Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	 Switch is "OFF". Bulb(s) or lamp(s) burned out Faulty light switch. Loose or damaged wiring. 	 Turn switch "ON". Replace bulb(s) or lamp(s). Check/replace light switch. Check wiring and connec
	5. Blown fuse.	tions. 5. Replace fuse.
Battery will not charge	Bad battery cell(s). Poor cable connections.	Replace battery. Check/clean all connections.
	3. Faulty regulator (if so equipped).	3. Replace regulator.
	4. Faulty alternator.	4. Replace alternator.
Engine "backfires" when turning engine "OFF"	Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

TRACTOR -- MODEL NUMBER 917.271653

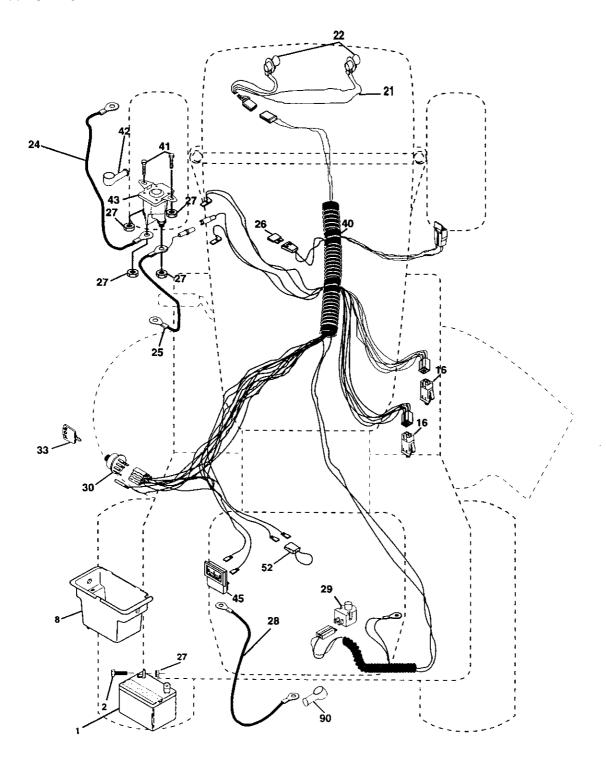
SCHEMATIC



REPAIR PARTS

TRACTOR -- MODEL NUMBER 917.271653

ELECTRICAL



TRACTOR -- MODEL NUMBER 917.271653

ELECTRICAL

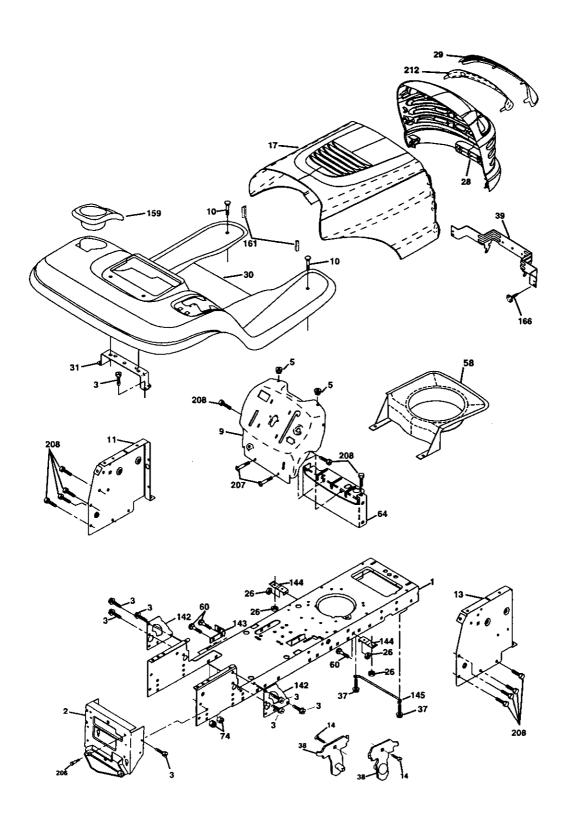
KEY	PART	
NO.	NO.	DESCRIPTION
1	163465	Battery
2	74760412	Bolt Hex Hd 1/4-20unc x 3/4
8	176689	Box Battery Fender
16	176138	Switch, Interlock
21	175688	Hamess Asm Light W/4152j
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga 11" red
25	146147	Cable Battery 6 Ga w/16 wire red
26	175158	Fuse 20 AMP
27	73510400	Nut, Keps Hex 1/4-20 UNC
28	4207J	Cable Ground 6 Ga 12" black
29	121305X	Switch Plunger Nc Gray
30	175566	Switch Ign
33	140403	Key Ign Molded Craftsman
40	179720	Harness Ign
41	71110408	Bolt Blk. Fin Hex 1/4-20 Unc x 1/2
42	131563	Cover Terminal Red
43	178861	Solenoid
45	121433X	Ammeter Rectangular 6 Amp
52	141940	Protection Wire Loop
90	180499	Cover Battery Terminal
		•

NOTE: All component dimensions give in U.S. inches 1 inch = 25.4 mm

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TRACTOR -- MODEL NUMBER 917.271653 CHASSIS AND ENCLOSURES



Need Parts? Visit http://manualbaddy.com/parts/

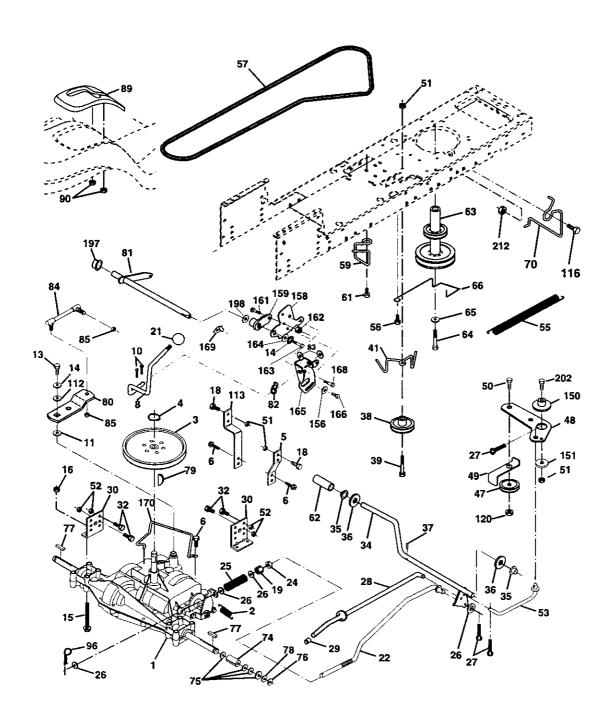
TRACTOR -- MODEL NUMBER 917.271653 CHASSIS AND ENCLOSURES

PART	
NO.	DESCRIPTION
174619	Chassis
176554	Drawbar
17060612	Screw 3/8-16 x 3/4
155272	Bumper Hood/Dash
168337X013	Dash.
STD533710	Bolt, Carriage 3/8-16 x 1
174996	Panel, Dash, L.H.
172105X010	Panel, Asm. SLKSCR Dash R.H.
17490608	Screw Thdrol 3/8-16 x 1/2
174330X558	Hood Assembly
STD541437	Nut, Lock Hex W/Ins. 3/8-16 UNC
175049	Grille w/Lens Asm.
174332X599	Lens, Laser LT Clear Bar
175692X558	Fender
139976	Bracket, Fender Support
17490508	Screw Thdrol 5/16-18 x 1/2 TYT
175710	Bracket Asm Pivot
174714	Bracket Pivot Laser LT
150127	Duct Air Engine PL/LT
STD533707	Bolt Rdhd Sqnk 3/8-16 UNC x 3/4
154798	Dash Lower STLT
STD541437	Nut, Crownlock 3/8-16 UNC
175702	Plate Reinforcement STLT
154966	Bracket Swaybar Chassis
	Bracket Footrest
	Rod Pivot Chassis/Hood
	+ -
	BumperHood
	Screw HWHD Hi-Lo #13-16 x 3/4
	Bolt Shoulder 5/16-18 TT
	Screw Thdrol 5/8-18 x 1/2
17670608	Screw Thdrol 3/8-16 x 1/2
175143	Insert Lens Reflective
5479J	Plug, Button
	174619 176554 17060612 155272 168337X013 STD533710 174996 172105X010 17490608 174330X558 STD541437 175049 174332X599 175692X558 139976 17490508 175710 174714 150127 STD533707 154798 STD541437 175702 154966 175582 156524 156524 156524 156524 156524 156524 156524 156524 156524 164655 164863 170165 17670508 17670608 17670608

NOTE: All component dimensions give in U.S. inches 1 inch = 25.4 mm

TRACTOR -- MODEL NUMBER 917.271653

GROUND DRIVE

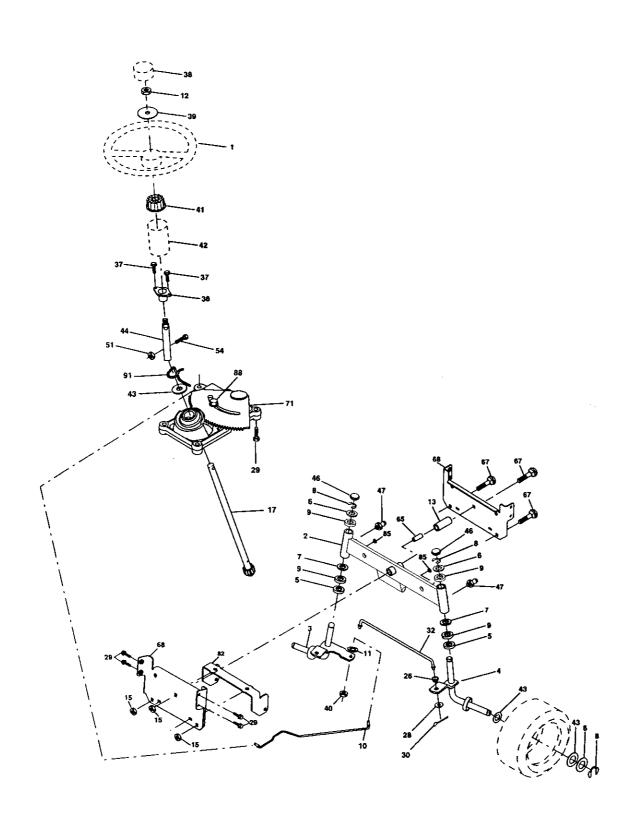


TRACTOR -- MODEL NUMBER 917.271653

GROUND DRIVE

	PART			PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1		Transaxle (See Breakdown) Dana 4360-140	64 65	71170764 STD551143	Bolt Hex 7/16-20 x 4 Gr 5 Washer Lock Hvy Hicl Spr 7/16
2	146682	Spring Return Brake T/a Zinc	66	154778	Keeper Belt Engine
3	123666X	Pulley Transaxle 18/20" tires	70	134683	Guide Belt Mower Drive RH
4	12000028	Ring Retainer # 5100-62	74	109502X	Spacer Split
5	121520X	Strap Torque 30 Degrees	75	121749X	Washer 25/32 x 1 1/4 x 16 Ga
6	17000512	Screw 5/16-18 x 3/4	76	STD581075	E-ring #5133-75
8	165866	Rod Shifter Fender STLT	77	123583X	Key Square
10	STD561210	Pin Cotter 1/8 x 1 Cad	78	121748X	Washer 25/32 x 1-5/8 x 16ga
11	105701X	Washer Plate Shf 388 Sq Hole	79	2228M	Key Woodruff
13	74550412	Bolt 1/4-28unf Gr8 W/Patch	80	131488	Arm, Shift
14	10040400	Washer Lock Hvy Helical 1/4	81	165594	Shaft Assembly
15	74490544	Bolt Hex FLGHD 5/16-18 Gr. 5	82	165711	Spring, Torsion
16	STD541431	Nut Lock Hex w/lns. 5/16-18 Unc	83	19171216	Washer 17/32 x 3/4 x 16 Gauge
18	STD523710	Bolt Fin Hex 3/8-16unc x 1 Gr.5	84	166229	Link Transaxle
19	STD541437	Nut Lock Hex W/Ins. 3/8-16 Unc	85	150360	Nut, Nylock
21	106933X	Knob Rd 1/2-13 Pistc Thds Blk	89	158391X428	Console, Shift, STLT
22	130804	Rod Brake Blk Zinc 26 840	90	124346X	Nut, Self-Threading, Washer
24	STD541237	Nut Hex Jam 3/8-16 Unc			Hd 1/4
25	106888X	Spring Rod Brake 2 00 Zinc	96	STD624003	Retainer Spring
26	STD551037	Washer 13/32 x 13/16 x 16 Ga	112	19091210	Washer 9/32 x 3/4 x 10 Ga
27	STD561210	Pin Cotter 1/8 x 3/4 Cad	113	127285X	Strap Torque
28	175765	Rod Brake Parking Lt/Yt	116	STD533710	Bolt RdHd Sqnk 3/8-16 x 1 Unc
29	71673	Cap Brake Parking	120	73900600	Nut Lock Flg. 3/8-16 Unc
30	174973	Bracket Mtg Transaxle	150	175456	Spacer Retainer
32	STD523107	Bolt Hex Hd 5/16-18unc x 3/4	151	19133210	Washer 13/32 x 2 x 10 Ga.
34	175578	Shaft Asm Pedal Foot	156	166002	Washer Srrted 5/16ID x 1 .125
35	120183X	Bearing Nylon Blk 629 ld	158	165589	Bracket Shift Mount
36	STD551062	Washer 21/32 x 1 x 16 Ga	159	165494	Hub Tapered Flange Shift Lt
37	STD571810	Pin Roll 3/16 x 1"	161	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr.5
38	179114	Pulley Composite Flat	162	73680400	Nut Crownlock 1/4-20 UNC
39	74760648	Bolt Fin Hex 3/8-16unc x 3	163	74780416	Bolt Hex Fin 1/4-20 UNC x 1 Gr.5
41	175556	Keeper Belt Idler	164	19091010	Washer 5/8 x .281 x 10 Ga.
47	127783	Pulley Idler	165	165623	Bracket Pivot Lever
48	154407	Bellcrank Clutch Grnd Drv STL	166	166880	Screw 5/16-18 x 5/8
49	123205X	Retainer Belt Style Spring	168	165492	Bolt shoulder 5/16-18 x .561
50	72110612	Bolt Carr Sh 3/8-16 x 1-1/2 Gr 5	169	165580	Plate Fastening Lt
51 50	STD541437	Nut Crownlock 3/8-16 UNC	170	178394	Keeper Belt T/A
52	STD541431	Nut Crown Lock 5/16-18	197	169613	Nyliner Snap-In 5/8" ID
53	105710X	Link Clutch 7 66	198	169593	Washer Nyl 7/8ID x .105"
55 56	105709X	Spring Return Clutch 6 75	202	72110614	Bolt Carr Sh 3/8-16 x 1-3/4 Gr.5
56	17060620	Screw 3/8-16 x 1-1/4	212	145212	Nut Hex Flange Lock
57	160855	V-Belt Gd Drive			
59 61	169691	Keeper Belt Centerspan			
61 62	17120614	Screw 3/8-16 x .875	NOT	. All ac	ant dimensions where to the Co. 1
63	8883R	Cover Pedai Bik Round			ent dimensions give in U.S. inches
03	175410	Pulley Eng	1 inch	1 = 25.4 mm	

TRACTOR -- MODEL NUMBER 917.271653 STEERING ASSEMBLY



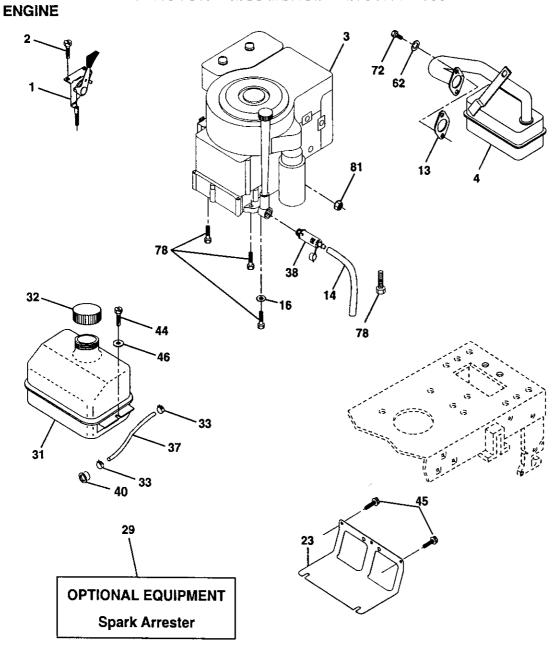
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TRACTOR -- MODEL NUMBER 917.271653 STEERING ASSEMBLY

KEY	PART	
NO.	NO.	DESCRIPTION
1	139768	Steering Wheel
2	175131	Front Axle Assembly
3	169840	Spindle Assembly, L.H.
4	169839	Spindle Assembly, R.H.
5	6266H	Bearing, Race, Thrust, Hardened
6	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
7	19272016	Washer 27/32 x 1-1/4 x 16 Gauge
8	12000029	Ring, Klip
9	3366R	Bearing, Steering Column
10	175121	Link, Drag
11	STD551137	Washer, Lock
12	73940800	Nut Hex Jam Toplock 1/2-20 Unf
13	136518	Spacer, Bearing, Front Axle
15	145212	Nut Lock Hex Flange
17	180641	Shaft Asm. Steering
26	126847X	Bushing, Link, Drag
28	19131416	Washer 13/32 x 7/8 x 16 Gauge
29	17060612	Screw 3/8-16 x 3/4
30	STD561210	Pin
32	130465	Rod, Tie
36	155099	Bushing, Steering
37	152927	Screw TT #I0-32 x 5 x 3/8 Flange
38 39	139769	Cap Wheel Steer OPP Blk
40	19183812	Washer 9/16 ID x 2-3/8 OD. 12 Ga
41	STD541537 100711L	Nut Lock Center 3/8-24 UNF
42	145054X428	Adaptor, Steering Wheel Boot, Steering Dash P/L Mtl Bik
43	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
43 44	180640	Extension Steering
46	121232X	Cap, Spindle
47	183226	Fitting, Grease
51	73540400	Nut Crownlock 1/4-28
54	71130420	Bolt Hex 1/4-28 UNF x 1-1/4 Gr. 8
65	160367	Spacer Brace Axle
67	72140618	Bolt Rdhd Sq 3/8-16 x 2-1/4
68	169827	Brace Axle
71	175146	Steering Asm.
82	169835	Bracket Susp Chassis Front
85	133835	Fastener Christmas Tree
88	175118	Bolt Shoulder 7/16-20 Unc
91	175553	ClipSteering

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

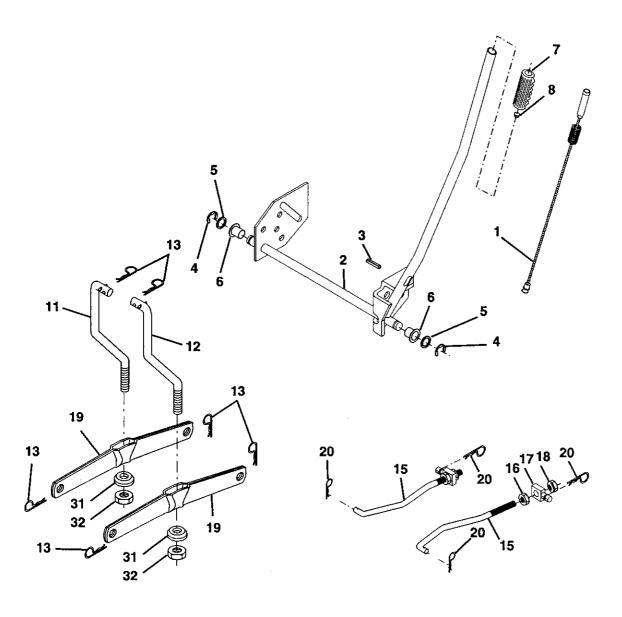
TRACTOR -- MODEL NUMBER 917.271653



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	170545	Control Throttle/Choke	37	137040	Line Fuel 20"
2	17720408	Screw Hex Thd Cut 1/4-20x1/2 T	38	148315	Plug Oil Drain
3		Engine (See Breakdown) Briggs	40	124028X	Bushing Snap Nyl Blk Fuel Line
		Model310707-0137-E1	44	17670412	Screw Hexwsh Thdrol 1/4-20x3/4
4	137352	Muffler Exhaust B&S Lt	45	17000612	Screw Hexwsh Thdr 3/8-16 x 3/4
13	165291	Gasket 1 313 ld Tin Plated	46	19091416	Washer 9/32 X 7/8 X 16ga
14	148456	Tube Drain Oil	62	STD551131	Washer Lock Hvy Hlcl Spr 5/16
16	STD551237	Washer Lock Ext Tooth 3/8	72	71070512	Screw Hexhd Cap 5/16-18x3/4
23	169837	Shield BRN/DBR Guard	78	17060620	Screw 3/8-16x1-1/4
29	137180	Arrestor Spark	81	73510400	Nut Keps Hex 1/4-20unc
31 32 33	109202X 158990 123487X	Tank Fuel 1 25 Fr Cap Asm Fuel W/sym Vented Clamp Hose Blk		E: All compon n = 25.4 mm	ent dimensions given in U.S. inches

TRACTOR -- MODEL NUMBER 917.271653

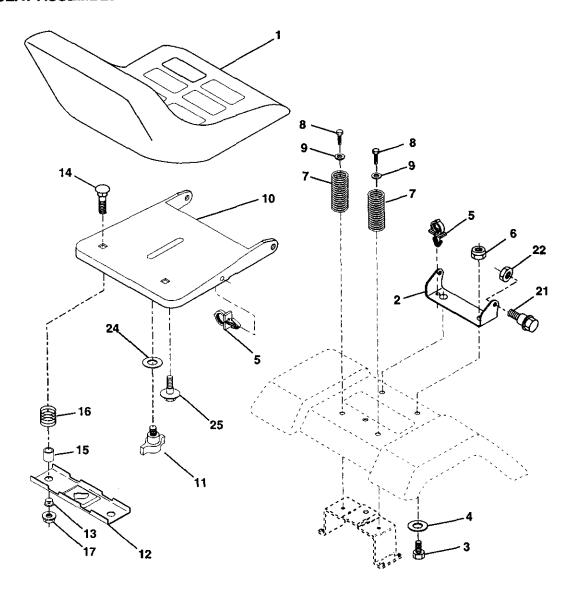
LIFT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	159460	Washer Asm Inner Spring W/	13	STD624008	Retainer Spring
		Plunger	15	173288	Link Front
2	159471	Shaft Asm. Lift RH	16	73350800	Nut Jam Hex 1/2-13 Unc
3	105767X	Pin Groove	17	175689	Trunnion Front Susp.
4	12000002	E Ring #5133-62	18	73800800	Nut Lockw/wsh 1/2-13 Unc
5	19211621	Washer 21/32 x 1 x 21 Ga.	1 9	139868	Arm Suspension Mower
6	120183X	Bearing Nylong	20	163552	Retainer Spring
7	125631X	Grip Handle Fluted	31	169865	Bearing, Pvt. Lift.
8	122365X	Button Plunger Read	32	73540600	Nut Crownlock 3/8-24
11 12	139865 139866	Łink Asm Lift L.H. Link Asm Lift R.H.		E: All compone = 25.4 mm	ent dimensions given in U.S. inches

TRACTOR -- MODEL NUMBER 917.271653

SEAT ASSEMBLY



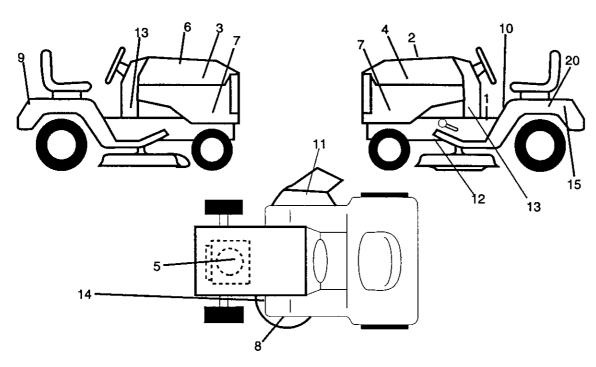
KEY NO.	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
1	140122	Seat	13	121248X	Bushing Snap Blk Nyl 50 ld
2	140551	Bracket Pnt Pivot Seat (blk)	14	72050412	Bolt Rond Sht Nk 1/4-20x1-1/2
3	71110616	Bolt Fin Hex 3/8-16unc X 1	15	134300	Spacer Split 28 X 96 Zinc
4	19131610	Washer 13/32 X 3/4 X 10 Ga	16	121250X	Spring Cprsn 1 27 Blk Pnt
5	145006	Clip Push In Hinged	17	123976X	Nut Lock 1/4 Lge Flg Gr 5 Zinc
6	STD541437	Nut Hex Lock w/ins 3/8-16 Unc	21	171852	Bolt Shoulder 5/16-18 Unc-2A
7	124181X	Spring Seat Cprsn 2 250 Blk Zi	22	STD541431	Nut Hex Lock w/lns 5/16-18
8	17000616	Screw 3/8-16 X 1 -1/2	24	19171912	Washer 17/32 X 1-3/16 X 12 Ga
9	19131614	Washer 13/32 X 1 X 14 Ga	25	127018X	Bolt Shoulder 5/16-18 X 62
10	182493	Pan Pnt Seat (blk)			
11	166369	Knob Seat	NOTE	: All compone	nt dimensions given in U.S. inches

Bracket Pnt Mounting Switch

121246X

TRACTOR -- MODEL NUMBER 917.271653

DECALS

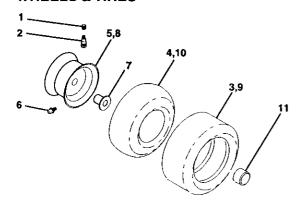


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	156368	Decal, Oper. Instr.	12	146046	Decal, V-belt Dr Sch
2	182018	Decal, Replomnt	13	181702	Decal, Dash, Panel
3	177278	Decal, Hood Rh	14	160396	Decal, V-belt Schematic
4	177279	Decal, Hood Lh	15	138047	Decal Battery
5	181450	Decal, Hp Engine	20	149516	Decal, Battery Dngr/Psn Eng
6	133644	Decal, Maint Čustomer Sears Dom		138311	Decal, Lift Handle
7	177253	Decal, Hood Side		165800X428	Pad, Footrest LH STLT
8	172331	Decal Mower		165799X428	Pad, Footrest RH STLT
9	163204	Decal, Fender Craftsman		183815	Manual, Owner's (English)
10	156439	Decal, Fender Danger		183816	Manual, Owner's (Spanish)
11	179128	Decal, Deck			, , ,

KEY PART

NO. NO.

WHEELS & TIRES



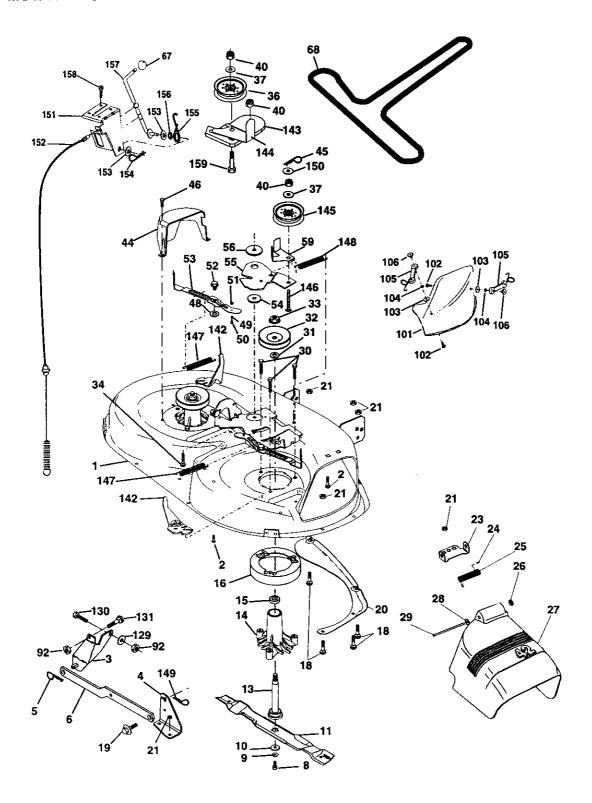
		· · · · · · · · · · · · · · · ·
1	59192	Cap Value Tire
2	65139	Stem Value
3	106222X	Tire F Ts 15 X 6 0 - 6 Service
4	59904	Tube Inner Front #35060
5	106732X624	Rim Asm 6"front White Service
6	278H	Fitting Grease
7	9040H	Bearing Flange
8	106108X624	Rim Asm 8"rear White Service
9	106268X	Tire R Ts 18x9 5-8 Service
10	7152J	Tube Rear 9 5 X 8 Service
11	104757X428	Cap Axie Blk 1 50 X 1 00
	144334	Sealant, Tire (10 oz. tube)

DESCRIPTION

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

TRACTOR -- MODEL NUMBER 917.271653

MOWER DECK



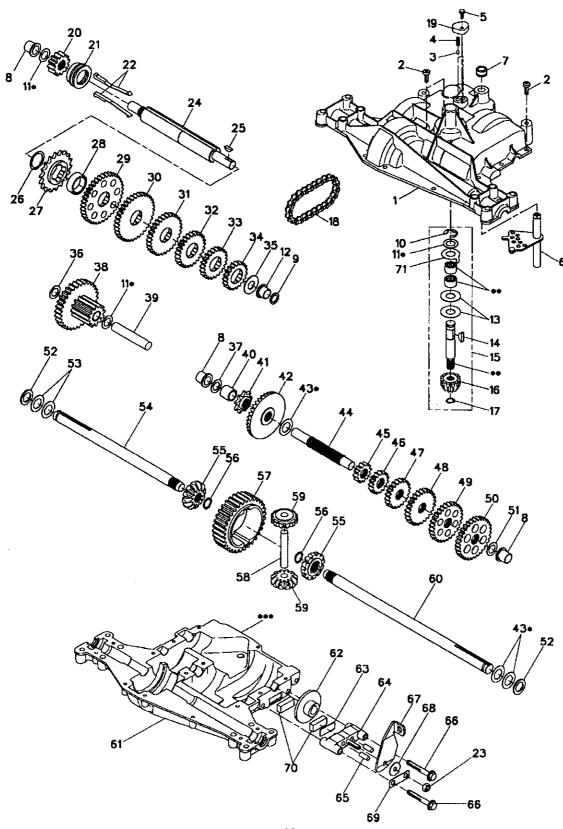
TRACTOR -- MODEL NUMBER 917.271653

MOWER DECK

1/5 1/	DADT		VEV	PART	
NO.	PART NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
				- -	
1	165892 CTD503407	Mower Deck Assembly, 42"	53	131845	Arm Assembly, Pad, Brake
2	STD533107	Bolt	54	133943	Washer, Hardened
3	138017	Bracket Assembly,Sway Bar,	55 50	155046	Arm, Idler
4	105400	Front	56	165723	Spacer, Retainer
4	165460	Bracket Sway Bar 38/42" Deck	59	141043	Guard, TUV Idler
5	STD624008	Retainer Spring	67	149846	Knob Custom Oval
6 8	178024	Bar Sway Deck	68	144959 CTD544407	V-Belt
	850857 CTD551107	Bolt, Hex 3/8-24 x 1.25 Gr. 8	92	STD541437	Nut Mulabar Causa
9 10	STD551137 140296	Washer, Lock	101 102	136420 71081010	Mulcher Cover
11	134149	Washer, Hardened	102	19061216	Screw Washer #10
13	137645	Blade, Mulching	103	STD551110	· · · · · · · · · · · · · · · · · · ·
14	128774	Shaft Assembly, Mandrel, Vented	105	160793	Washer, Lock
15	110485X	Housing, Mandrel, Vented	106	2029J	Latch Assembly, Bagger
16	174493	Bearing, Ball, Mandrel	129	19131312	Nut, Weld
18	72140505	Stripper, Vented Mower Deck	130		Washer 13/32 x 13/16 x 12 Ga.
19	132827	Bolt, Carriage 5/16-18 x 5/8	131	STD523710 STD533710	Bolt, Fin Hex 3/8-16 UNC x 1 Gr.5
20	159770	Bolt, Shoulder	142	165890	Bolt, Rdhd Sqnk 3/8-16UNC x 1
21	STD541431	Baffle, Vortex	143		Arm Spring Brake Mower
		Nut Crownlock 5/16-18 UNC	_	157109	Bracket Arm Idler 42"
23	177563	Bracket, Deflector	144	158634	Keeper Belt 42" Clutch Cable
24	105304X	Cap, Sleeve	145	165888	Pulley Idler Flat
25 26	123713X	Spring, Torsion, Deflector	146	171977	Bolt Carriage Idler
	110452X	Nut, Push	147	131335	Spring Extension
27 28	130968X428		148	169022	Spring Return Idler
29 29	19111016	Washer 11/32 x 5/8 x 16 Ga.	149	165898	Retainer Spring Yellow Zinc
	131491	Rod, Hinge	150	19091216	Washer 9/32 x 3/4 x 16 Ga.
30	173984	Screw Thd Roll Dod Pt. Hex	151	169670	Bracket Clutch
31 32	129963 153535	Washer, Spacer	152 153	169676 169674	Cable Clutch 42 In
33		Pulley, Mandrel			Washer Flat 3/8" Type B
აა 34	178342 STD533717	Nut, Toplock, Flanged	154 155	169675 169671	Spring Retainer
3 4 36	131494	Boit	156		Spring Retention Lever
37	STD551037	Pulley, Idler, Flat Washer 13/32 x 13/16 x 16 Ga.		169672	Spacer Rod Clutch
40	STD551037 STD541437	Nut Crownlock 3/8-16 UNC	157 158	169669 17720408	
44	140088		159	72140614	Screw Hex Thd Cut 1/4-20 x 1/2
45	STD624003	Guard, Mandrel, L.H. Retainer		130794	Bolt Tdhd Sgn 3/8-16UNC x 1-3/4
45 46	137729	Screw, Thd. Roll 1/4-20 x 5/8		130/94	Mandrel Assembly (Includes
					Housing, Shaft and Shaft
		· · · · · · · · · · · · · · · · · · ·			
				160500	
				109000	neplacement Mower, Complete
48 49 50 51 52	133944 174284 131340 STD541410 139888	Washer, Hardened Roller Assembly, Cam Follower Bolt, Shoulder #10-24 Grade 5 Locknut Bolt, Shoulder 5/16-18 UNC		169583	Hardware Only - Pulley Not Included) Replacement Mower, Complete

NOTE: All component dimensions given in U.S.inches 1 inch = 25.4 mm

TRACTOR -- MODEL NUMBER 917.271653 DANA TRANSAXLE -- MODEL NUMBER D4360-140



Need Parts? Visit http://manualbuddy.com/parts/

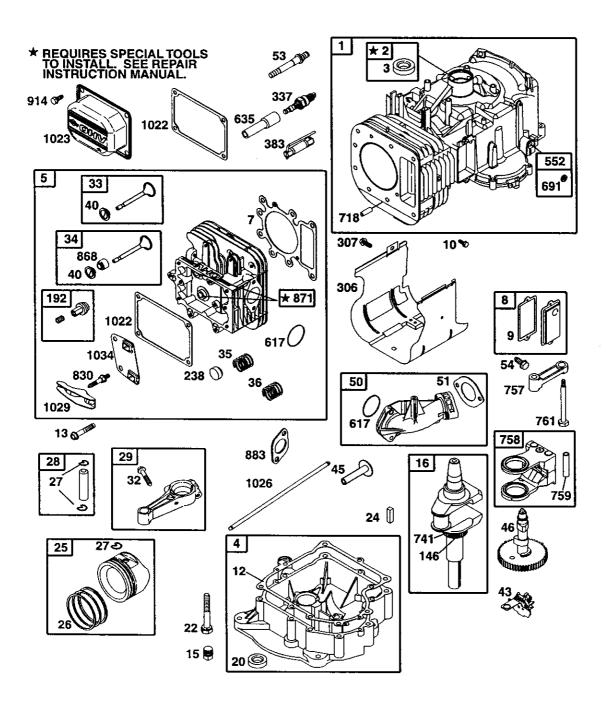
TRACTOR -- MODEL NUMBER 917.271653 DANA TRANSAXLE - - MODEL NUMBER D4360-140

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	170981	Housing, Upper	40	120472X	Spacer, .633 X .87 X .755
2	2274J	Screw, Tapping, 1/4-20 X .734	41	105928X	Sprocket, 9T
3	134400	Ball, Detent	42	170988	Gear, Bevel, 36T
4	105904X	Spring, Detent	43	134394	* Assy, Kit, Shim, .750 Shaft
5 6	160940	Screw, Tapping, No. 10-24 X .482	44	120473X	Shaft, Drive
6	138235	Assy, Kit, Shifter	45	142678	Gear, Spur, 12T
7	108727X	V-Ring	46	143697	Gear, Spur, 15T
8	148266	Bearing, Flange	47	124641X	Gear, Spur, 20T
9	148269	Seal, Oil	48	106589X	Gear, Spur, 25T
10	2225J	Ring, Retaining	49	120408X	Gear, Spur, 28T
11	134793	*Assy, Kit, Shim, .625 Shaft	50	105937X	Gear, Spur, 31T
12	148268	Bearing, Flange	51 '		Washer, Plain, .632 X 1.00 X .060
13	120415X	Washer, Plain, .632 X 1.38 X .046	52	134401	Washer, Neoprene
14	142674	Key, Woodruff, No. 9	53	2264J	Washer, Plain, .758 X 1.25 X .031
15	170983	Assy, Kit, Input Shaft	54	160946	Axle, LH
16 17	170986	Pinion, Bevel, 12T	55	170990	Gear, Miter, 1 2T, Splined
18	105909X 105910X	Ring, Retaining	56	160948	Ring, Retaining
19	160942	Chain, 24 Pitches Cover, Detent	57	110071X	Gear, Spur, 32T
20	160943		58	120952X	Shaft, Cross
21	148267	Gear, Spur, 1 2T Coliar, Clutch	59	170991	Gear, Miter, 1 2T, Idler
22	138236	Assy, Kit, Clutch Keys	60	160950	Axle, RH
23	73810500	Nut, Lock, 5/16-24	61 62	170992 7294J	Housing, Lower
24	142676	Shaft, Intermediate	63	108989X	Disc, Brake
25	2244J	Key, Woodruff, No. 61	64	160952	Spacer, Brake Puck
26	105916X	Ring, Retaining	65	120954X	Jaw, Brake Pin, Dowel
27	12047OX	Sprocket, 1 8T	66	160953	Screw, Tapping, 5/16-18 X 2.35
28	110070X	Spacer, 1. 131 X 1.45 X .494	67	138244	Lever, Actuating
29	142677	Gear, Spur, 37T	68	108996X	Washer, Plain, .321 X 1.00 X .055
30	142681	Gear, Spur, 35T	69	160954	Bracket, Anti-Rotation
31	124644X	Gear, Spur, 30T	70	120951X	Puck. Friction
32	108980X	Gear, Spur, 25T	71	174256	Washer, Anti Rotation
33	120406X	Gear, Spur, 22T	72	120416X	Grease
34	134796	Gear, Spur, 19T		720 . 1071	0.000
35	105925X	Washer, Plain, .640 X 1.37 X .061	NOT	E: All compo	nent dimensions given in U.S. inches
36	2228J	Washer, Plain, .632 X 1.00 X .046	1 incl	n = 25.4 mm	and an old more
37	170987	Washer, Plain, .632 X 1.00 X .031			
38	174255	Assy, Gear, Comb., 12T & 30T	* Use	in various co	ombinations to maintain proper
39	124639X	Shaft, Idler	clear	ances.	·- ·· ································

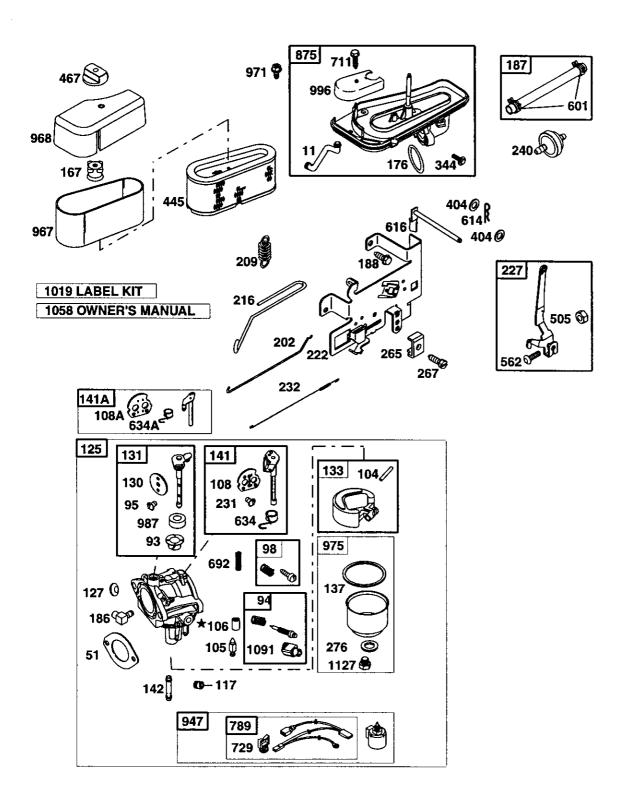
^{**} Order Key No. 15.

^{***} Silicone Sealant to be applied between Upper and Lower Housings (use Loctite Ultra Gray Silicone 5699 or equivalent).

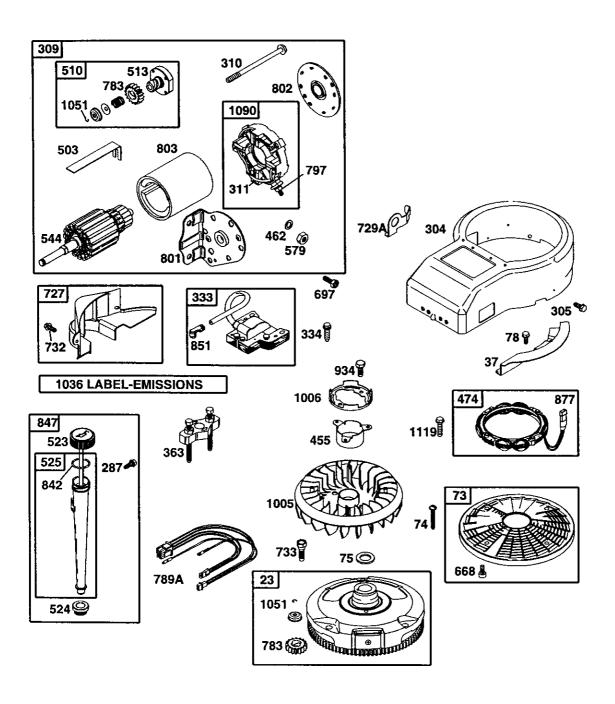
TRACTOR - - MODEL NUMBER 917.271653 BRIGGS & STRATTON ENGINE-MODEL NUMBER 310707, TYPE NUMBER 0137-E1



TRACTOR -- MODEL NUMBER 917.271653 BRIGGS & STRATTON ENGINE-MODEL NUMBER 310707, TYPE NUMBER 0137-E1

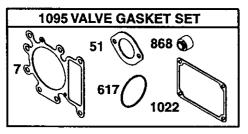


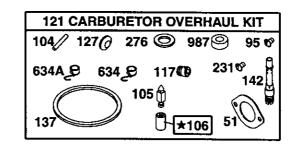
TRACTOR - - MODEL NUMBER 917.271653 BRIGGS & STRATTON ENGINE-MODEL NUMBER 310707, TYPE NUMBER 0137-E1

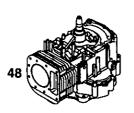


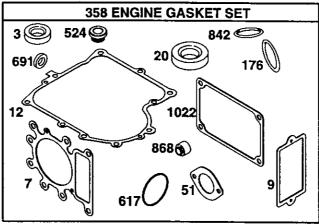
TRACTOR -- MODEL NUMBER 917.271653 BRIGGS & STRATTON ENGINE-MODEL NUMBER 310707, TYPE NUMBER 0137-E1



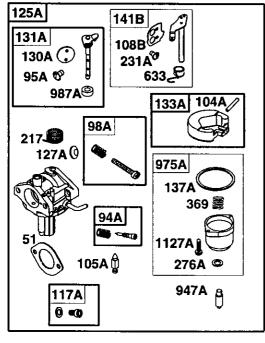


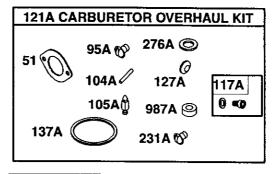














TRACTOR -- MODEL NUMBER 917.271653 BRIGGS & STRATTON ENGINE-MODEL NUMBER 310707, TYPE NUMBER 0137-E1

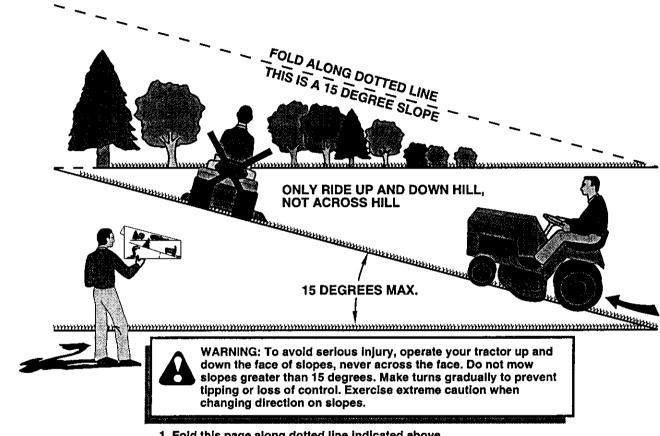
KEY PART	-		VEV	DADT		
NO. NO.	,	DESCRIPTION	NO.	PART NO.		DESCRIPTION
1 6901	56	Cylinder Assembly	105	231855	Ø	DESCRIPTION Valve-Float Needle
		Kit-Bushing/Seal		694922		Valve-Float Needle Valve-Float Needle
2 3992 3 3910		Seal-Oil (Magneto Side)	106	690577	Ø	
4 4942		Sump-Engine	108	690464		Seat-Inlet Valve-Choke (Manual Choke)
4 4942 5 6901		Head-Cylinder		692344		Valve-Choke(Choke-A-Matic)
7 6924		Gasket-Cylinder Head	100/1	002044		valve-orione(orione-A-Matic)
8 4957		Breather Assembly	108B	695419		Valve-Choke(Nikki Carburetor)
9 2780		Gasket-Breather	117		Ø	Jet-Main (Standard)
10 6916		Screw (Breather Assembly)		692411	_	Jet-Main (High Altitude)
11 6913	28	Tube-Breather	117A	695415	Ø	Jet-Main (Standard)
12 6922	26 •	Gasket-Crankcase (.015		695416	õ	Jet-Main (High Altitude)
		Thick, Std)	121	690191	-	Kit-Carburetor Overhaul
6924	• 80	Gasket-Crankcase (.005	121A	695427		Kit-Carburetor Overhaul
		Thick)	125			Carburetor
6924	05 •	Gasket-Crankcase (.009	125A			Carburetor (Nikki) (Service
40 0000		Thick)				with Walbro Carburetor)
13 6903		Screw (Cylinder Head)	127			Plug-Welch
15 6909		Plug-Oil Drain		690727	Ø	Plug-Welch
16 6901		Crankshaft	130	691750		Valve-Throttle
20 2916		Seal-Oil		695418		Valve-Throttle
22 6921		Screw (Crankcase Cover)	131	494379		Kit-Throttle Shaft
23 6935 24 2226		Flywheel		695421		Kit-Throttle Shaft
25 6922		Key-Flywheel	133			Float-Carburetor
6922		Piston Assembly (Standard)	100A	694914	α±	Float-Carburetor
6922		Piston Assembly (.010 O.S.) Piston Assembly (.020 O.S.)	137	605426	ort Ort	Gasket-Float Bowl Gasket-Float Bowl
6922		Piston Assembly (.030 O.S.)	141	495097	1	Kit-Choke Shoft (Monuel
26 6901		Ring Set-Piston (Standard)	141	453057		Kit-Choke Shaft (Manual Choke)
6921		Ring Set-Piston (.010 O.S.)	141A	495931		Kit-Choke Shaft (Choke-A-
6921		Ring Set-Piston (.020 O.S.)		,0000.		Matic)
6921	68	Ring Set-Piston (.030 O.S.)	141B	695420		Kit-Choke Shaft (Nikki)
27 6912	99	Lock-Piston Pin	142		Ø	Nozzle-Carburetor
28 4983	119	Pin-Piston (Standard)	146	691639		Key-Timing
4983		Pin-Piston (.020 O.S.)	167	692297		Air Cleaner Stud Seal
29 6924		Rod-Connecting (Standard)	176	691917	•	O-Ring Seal (Air Cleaner)
4999		Rod-Connecting (.020 U.S.)	186	692317		Connector-Hose
32 6928		Screw (Connecting Rod)	187	691050		Line-Fuel (Cut to Required
33 4958		Valve-Exhaust	400	001000		Length)
34 4958 35 6912		Valve-Intake	188	691693		Screw (Control Bracket)
36 6912		Spring-Valve (Intake) Spring-Valve (Exhaust)	192	691986		Adjuster-Rocker Arm
37 6904		Guard-Flywheel	202 209	691841 692208		Link-Mechanical Governor
40 6917		Retainer-Valve	216	691840		Spring-Governor Link-Choke
43 6919		Slinger-Governor/Oil	217	695409		
45 6905		Tappet-Valve	222	694042		Spring-Choke Return Bracket-Control
46 6924		Camshaft	227	691374		Control Lever-Governor
48 6927	'06	Short Block (311707-0028-			Ø	Screw (Choke Valve)
		E1 Replacement Engine)	231A	690718	Ø	Screw (Choke Valve)
50 6901		Manifold-Intake	232	691842		Spring-Governor Link
51 6921	37• Ø:	+ Gasket-Intake	238			Cap-Valve
53 6902		Stud (Carburetor)	240	394358		Filter-Fuel
54 6911		Screw (Intake Manifold)		691024		Clamp-Casing
73 6904		Screen-Rotating	267			Screw (Casing Clamp)
74 6916		Screw (Rotating Screen)	276	692255	؇	Sealing Washer
75 6905 78 6906		Washer (Flywheel)	276A	695410	؇	Sealing Washer
78 6906 93 6906		Screw (Flywheel Guard)	KPM	Settings:		Low Speed: 1900-2100
94 4980		Bushing-Throttle Shaft				High Speed: 3000-3200
94A 6954		Kit-Idle Mixture Kit-Idle Mixture		Individad	in F	Engine Cooket Cat. May No
		Screw (Throttle Valve)	•		ın E	Ingine Gasket Set, Key. No.
95A 6907	18 Ø	Screw (Throttle Valve)	Ø	358 Included	in C	Parhurator Overhaut Vit Voc
98 4958	00	Kit-Idle Speed	Ð	No. 121a		Carburetor Overhaul Kit, Key.
98A 6954		Kit-Idle Speed	‡			Carburetor Gasket Set, Key.
104 6905	25 Ø	Pin-Float Hinge	т	No. 977	and	977A
104A 6949	18 Ø	Pin-Float Hinge	+			alve Gasket Set, Key. No.
		-		1095	-	
			NOTE	: All com	por	ent dimensions given in U.S.

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

TRACTOR -- MODEL NUMBER 917.271653 BRIGGS & STRATTON ENGINE-MODEL NUMBER 310707, TYPE NUMBER 0137-E1

KEY PART		KEY PART
NO. NO.	DESCRIPTION	NO. NO. DESCRIPTION
287 691002	Screw (Dipstick Tube)	789 692037 Harness-Wiring
304 690844	Housing-Blower	789A 695050 Harness-Wiring
305 690960		797 693167 Nut (Brush Retainer)
306 690499	Shield-Cylinder	801 691429 Cap-Drive
307 691003	Screw (Cylinder Shield)	802 691286 Cap-End
309 693551	Motor-Starter	802 691286 Cap-End 803 693757 Housing-Starter
310 690323		830 691095 Stud (Rocker Arm)
311 497608	Brush Set	842 691870 • Dipstick/Tube Seal
333 495859	Armature-Magneto	847 496415 Dipstick/Tube Assembly
334 691061	Screw (Armature Magneto)	851 692424 Terminal-Spark Plug
337 491055	Spark Plug	868 690968 •+ Seal-Valve
344 693675	Screw (Cable Clamp)	871 690969 Bushing-Guide
358 690189	Engine Gasket Set	871 690969 Bushing-Guide 875 694942 Base-Air Cleaner 877 393456 Wire-Connector/Alternator 883 692236 • Gasket-Exhaust 914 690960 Screw (Bocker Cover)
363 19203	Flywheel Puller	877 393456 Wire-Connector/Alternator
369 695422	Spring-Float Rout	883 692236 • Gasket-Exhaust
383 89838	Spring-Float Bowl	914 690960 Screw (Rocker Cover)
404 691691	monon opan nog	CIT COCCO COICH (HOCKEI COVER)
	Washer (Governor Crank)	
445 496894	Filter-Air Cleaner Cartridge	947 497672 Solenoid-Fuel
455 691173	Cup-Flywheel	947A 695423 Solenoid-Fuel
462 691261	Washer (Brush Retainer)	967 272043 Filter-Pre Cleaner
467 691668	Knob-Air Cleaner	968 691916 Cover-Air Cleaner
474 691063	Alternator	971 692129 Screw (Air Cleaner Base)
503 691532	Strap-Starter	975 495933 Bowl-Float
505 691251	Nut (Governor Control Lever)	975A 695417 Bowl-Float
510 693699	Drive-Starter	977 690192 Set-Carburetor Gasket
513 692024	Clutch-Drive	977A 695428 Set-Carburetor Gasket
523 692014	Dipstick	987 691326 • Seal-Throttle Shaft
524 281370	Clutch-Drive Dipstick • Seal-Dipstick Tube Tube-Dipstick	987A 690998 Seal-Throttle Shaft
525 691398	Tube-Dipstick	996 690678 Carburetor Shield
544 692034	Armature-Starter	1005 695056 Fan-Flywheel
552 491986	Bushing-Governor Lever Bott (Governor Control Lever) Nut (Stater Cable)	1006 690452 Retainer-Fan
562 691119	Bott (Governor Control Lever)	1019 690180 Kit-Label
579 691029	Tat (Glairor Gable)	TOPE ETENTO I GRONOL TIONEL COVE
601 95162	Clamp-Hose	1023 691192 Cover-Rocker
614 691620	Pin-Cotter	1026 692003 Rod-Push (Intake)
616 692012	Crank-Governor	692011 Rod-Push (Exhaust)
617 692138	O-Ring Seal (Intake Manifold)	
633 695414	Seal-Choke/Throttle Shaft	1034 690822 Guide-Push Rod
634 690801	Ø Seal-Spring Assembly	1036 695700 Label-Emissions
	(Manual Choke)	1051 691265 Retainer-Brush
634A 690802	Ø Seal-Spring Assembly	1058 274789 Owner's Manual
	(Choke-A-Matic)	1090 691293 Retainer-Brush
635 691909	Boot-Spark Plug	1091 691333 Cap-Limiter
668 691323	Spacer	1095 690190 Valve Gasket Set
691 692407	 Seal-Governor Shaft 	1119 691183 Screw (Alternator)
692 690572	Spring-Detent	1127 691657 Screw (Float Bowl)
697 690372	Screw (Drive Cap)	1127A695407 Screw (Float Bowl)
711 690703	Screw (Carburetor Shield)	RPM Settings: Low Speed: 1900-2100
718 690959	Pin-Locating	High Speed: 3000-3200
727 490324	Cover-Starter Drive	
729 691335	Clip-Wire	 Included in Engine Gasket Set, Key. No.
729A 691224	Clip-Wire	358
732 691002	Screw (Starter Drive Cover)	Ø Included in Carburetor Overhaul Kit, Key.
733 691658	Screw_(Crankshaft Extension)	No. 121and121A
741 691284	Gear-Timing	‡ Included in Carburetor Gasket Set, Key.
757 691714	Link-Counterweight	No. 977 and 977A
758 692423	Counterweight	 Included in Valve Gasket Set, Key. No.
759 691239	Pin-Counterweight	1095
761 691096	Screw_(Counterweight)	NOTE: All component dimensions given in U.S.
783 693713	Gear-Pinion	inches 1 inch = 25.4 mm

SERVICE NOTES



- 1. Fold this page along dotted line indicated above.
- 2. Hold page before you so that its left edge is vertically parallel to a tree trunk or other upright structure.
- 3. Sight across the fold in the direction of hill slope you want to measure.
- 4. Compare the angle of the fold with the slope of the hill.

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