

Owner's Manual

CRAFTSMAN[®]

19.5HP

ELECTRIC START

42" MOWER

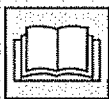
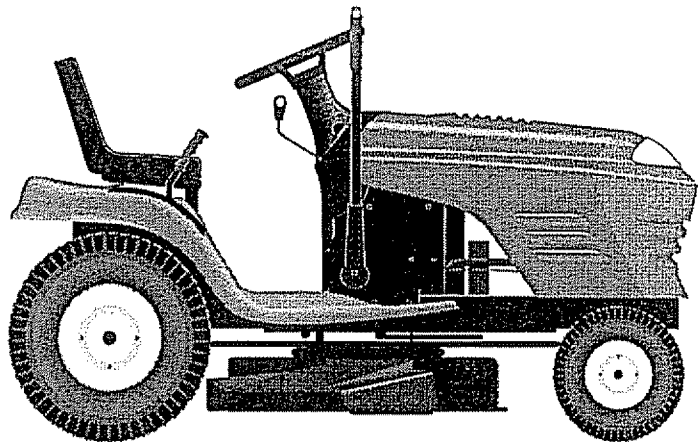
6 SPEED TRANSAXLE

LAWN TRACTOR

EZ³

Model No.
917.270813

- Safety
- Assembly
- Operation
- Maintenance
- Repair Parts



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, IL 60179

Visit our Craftsman website: www.sears.com/craftsman

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WARRANTY

LIMITED TWO YEAR 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 found to be defective in material or workmanship.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as blades, spark plugs, air cleaners, belts, etc.
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, negligence, improper storage or accident or the failure to maintain the equipment according to the instructions contained in the owner's manual.
- Riding equipment used for commercial or rental purposes.

LIMITED 90 DAY 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. In-home warranty service on your Craftsman riding equipment is available at no charge for 30 days from the date of purchase. Please contact your nearest service center. After 30 days from the date of purchase, warranty service is available by taking your Craftsman riding equipment to your nearest Sears Service Center. (In-home warranty service will still be available after 30 days from the date of purchase but a standard trip charge will apply). This warranty applies only while this product is in the United States. This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

SEARS, ROEBUCK AND CO., D/817 WA, HOFFMAN ESTATES, IL 60179

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.

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.

SAFETY RULES

- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- 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.

SLOPE OPERATION

Slopes are a major factor related to loss-of-control 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.

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.

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.

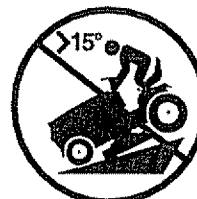
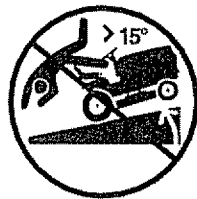
- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Never carry children. They may fall off and be seriously injured or interfere 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.

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.

SAFETY RULES

- 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.
- 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.
- 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.
- *Do not* turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

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

⚠ WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

⚠ 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.

PRODUCT SPECIFICATIONS

GASOLINE CAPACITY AND TYPE:	3.5 GALLONS UNLEADED REGULAR
OIL TYPE (API-SF/SG/SH):	SAE 30(ABOVE 32°F) SAE 5W-30 (BELOW 32°F)
OIL CAPACITY:	3.5 PINTS
SPARK PLUG: (GAP: .030")	CHAMPION RC12YC
VALVE CLEARANCE:	INTAKE: .004"-.006" EXHAUST:.004"-.006"
GROUND SPEED FORWARD: (MPH):	1ST 1.2 2ND 1.5 3RD 2.3 4TH 3.5 5TH 4.8 6TH 5.4 REVERSE: 1.5
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	16AMPS @ 3600RPM
BATTERY:	AMP/HR: 30 MIN. CCA: 240 CASE SIZE:U1R
BLADE BOLT TORQUE:	27-35 FT. LBS

CONGRATULATIONS on your purchase of a Craftsman 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 your nearest Sears Authorized 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".

MAINTENANCE AGREEMENT

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

CUSTOMER RESPONSIBILITIES

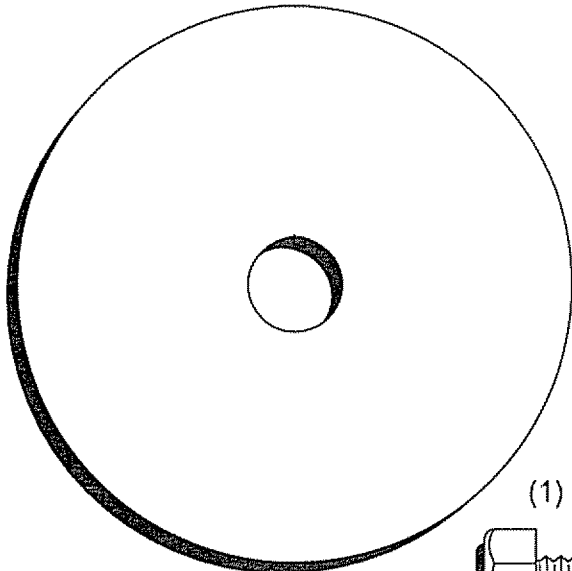
- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your tractor.
- Follow the instructions under "Maintenance" and "Storage" sections of this owner's manual.

⚠ WARNING: This tractor is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered 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.

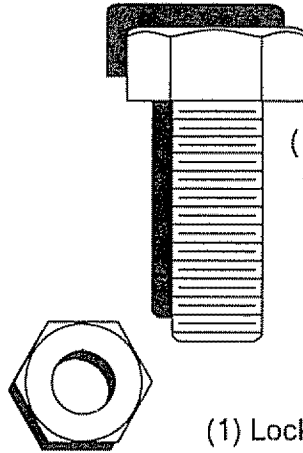
In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears Authorized Service Center/Department (See REPAIR PARTS section of this manual).

CONTENTS OF HARDWARE PACK

Parts Bag contents shown full size



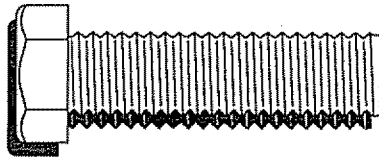
(1) Large Flat Washer



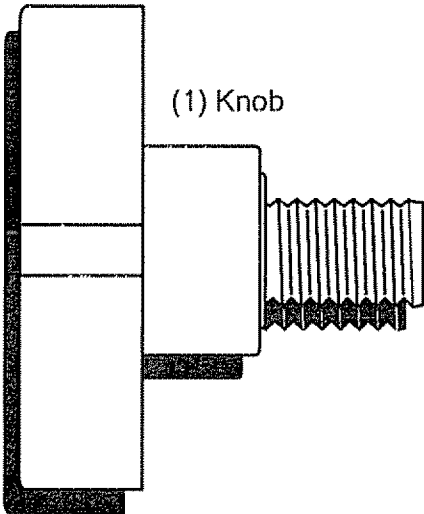
(1) Hex Bolt
3/8-16 x 1

(1) Lockwasher 3/8

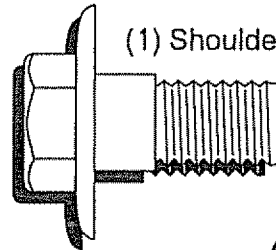
(1) Locknut 5/16-18



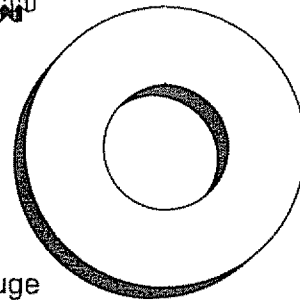
(1) Hex Bolt
5/16-18 x 1-1/4



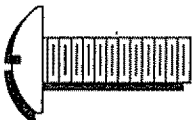
(1) Knob



(1) Shoulder Bolt 5/16-18



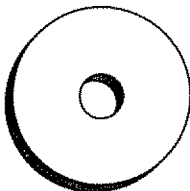
(1) Washer
17/32 x 1-3/16 x 12 Gauge



(2) Screws #10 x 5/8

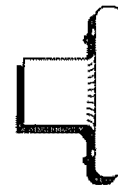


(2) Lock Washers #10



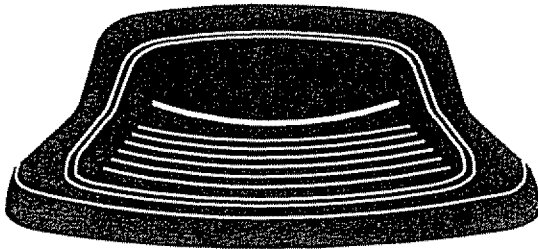
(2) Washers 3/16 x 3/4 x 16 Gauge

(2) Weld Nuts #10

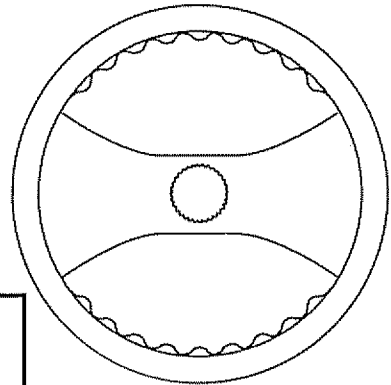


CONTENTS OF HARDWARE PACK

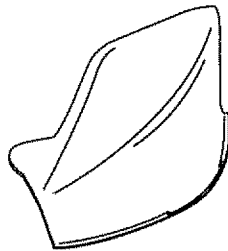
Parts packed separately in carton



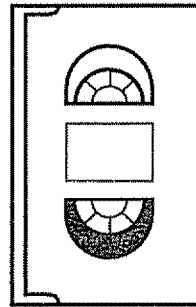
Seat



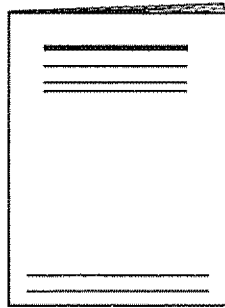
Steering Wheel



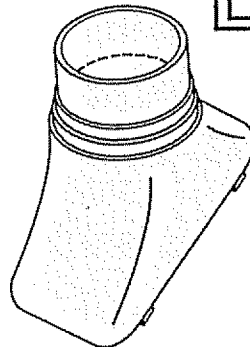
Mulcher Plate



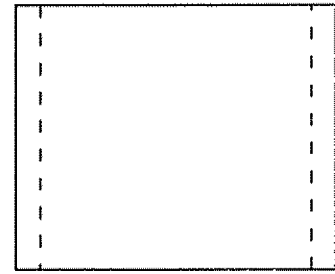
Video Cassette



Manual

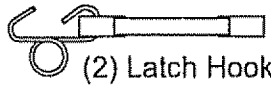


Steering Boot

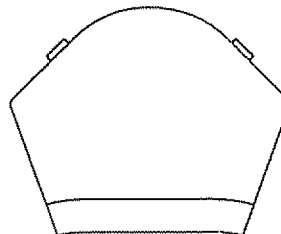


Parts Bag

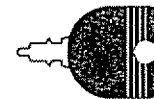
Parts Bag contents not shown full size



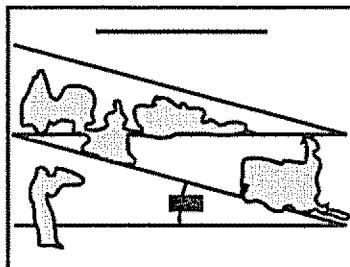
(2) Latch Hook Assemblies



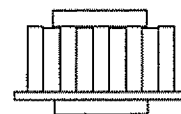
Steering Wheel Insert



(2) Keys



Slope Sheet



Steering Wheel Adapter



Steering Extension Shaft

ASSEMBLY

Your new tractor has been assembled at the factory with 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) 9/16" wrench | (1) Utility knife |
| (2) 1/2" wrench | (1) Phillips screwdriver |
| (1) 3/4" socket with drive ratchet | |
| (1) Tire pressure gauge | |

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

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

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL

ASSEMBLE EXTENSION SHAFT AND BOOT

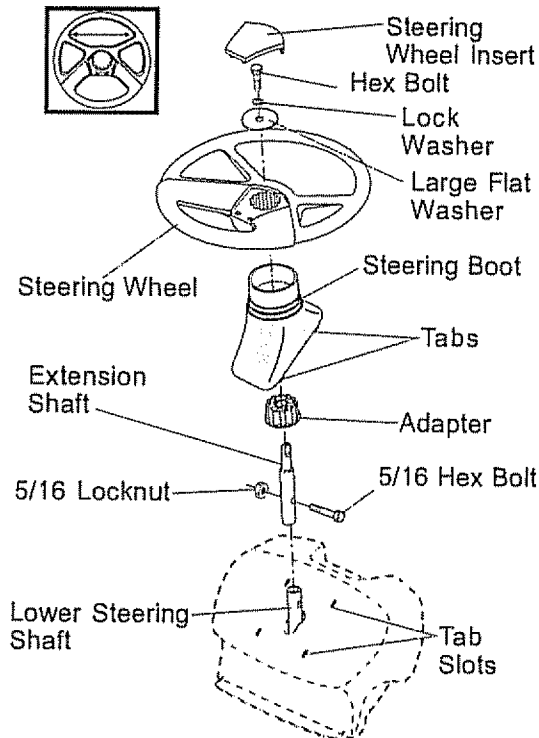
- Slide extension shaft onto lower steering shaft. Align mounting holes in extension and lower shafts and install 5/16 hex bolt and locknut. Tighten securely.

IMPORTANT: Tighten bolt and nut securely to 18-22 ft. lbs. torque.

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

INSTALL STEERING WHEEL

- Position front wheels of the tractor so they are pointing straight forward.
- Slide steering wheel adapter onto steering shaft extension.



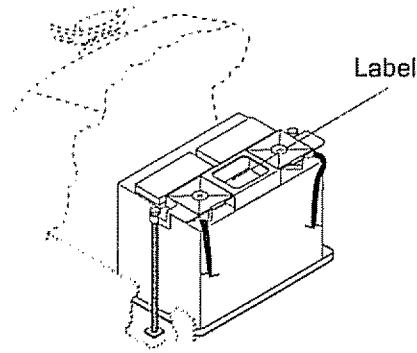
- Position steering wheel so cross bars are horizontal (left to right) and slide inside boot and onto adapter.
- Assemble large flat washer, 3/8 lock washer, 3/8 hex bolt and tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective materials from tractor hood and grill.

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

HOW TO SET UP YOUR TRACTOR

CHECK BATTERY

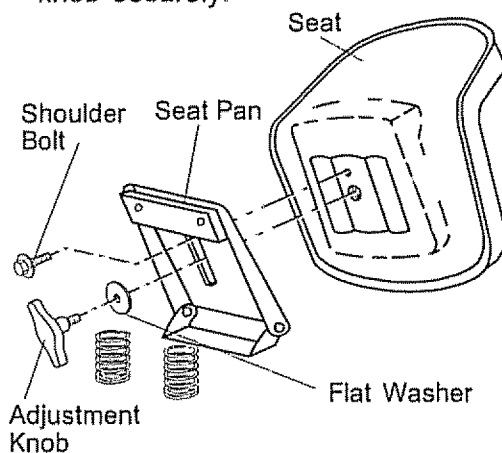
- Lift hood to raised position.
- If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps. (See "BATTERY" in Maintenance section of this manual for charging instructions).



INSTALL SEAT

Adjust seat before tightening adjustment knob.

- Remove cardboard packing on seat pan.
- Place seat on seat pan and assemble shoulder bolt. Tighten shoulder bolt securely.
- Assemble adjustment knob and flat washer loosely. Do not tighten.
- Lower seat into operating position and sit on seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment knob securely.



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.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in neutral (N) position.
- Roll tractor forward off skid.
- Remove banding holding discharge guard up against tractor.

TO DRIVE TRACTOR OFF SKID

⚠ WARNING: 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.

- Be sure all the above assembly steps have been completed.
- 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.
- Place gear shift lever in neutral (N) position.
- 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.
- Depress clutch/brake pedal into full "BRAKE" position and hold. Move gearshift lever to 1st gear.
- 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.
- Turn ignition key to "OFF" position. Continue with the instructions that follow.

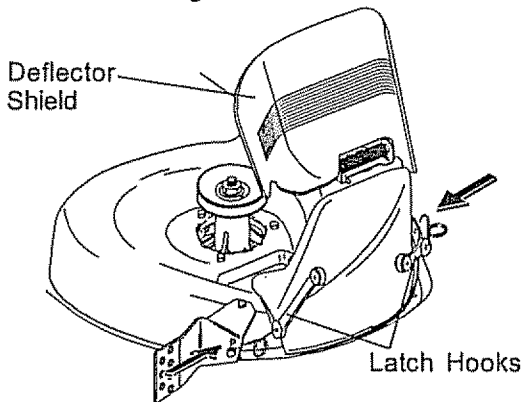
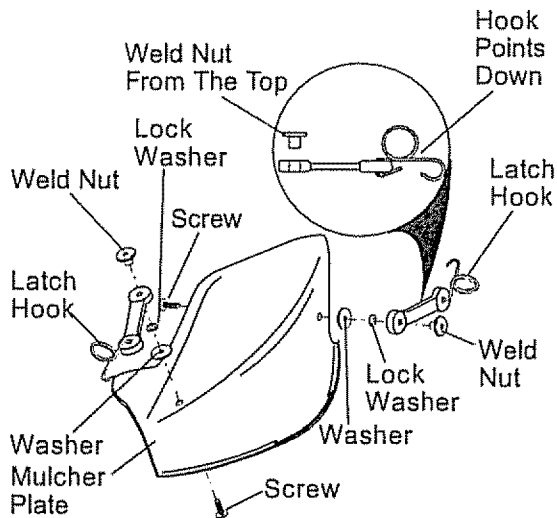
INSTALL MULCHER PLATE

- Install two latch hooks to mulcher plate using screw, washer, lock washer, and weld nut as shown.

NOTE: Pre-assemble weld nut to latch hook by inserting weld nut from the top with hook pointing down.

- Tighten hardware securely.
- 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.

⚠ CAUTION: Do not remove discharge guard from mower. Raise and hold guard 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:

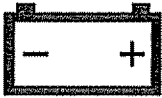













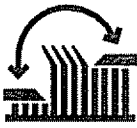












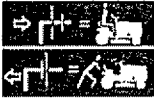




- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated 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 EXTRAATTENTION 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

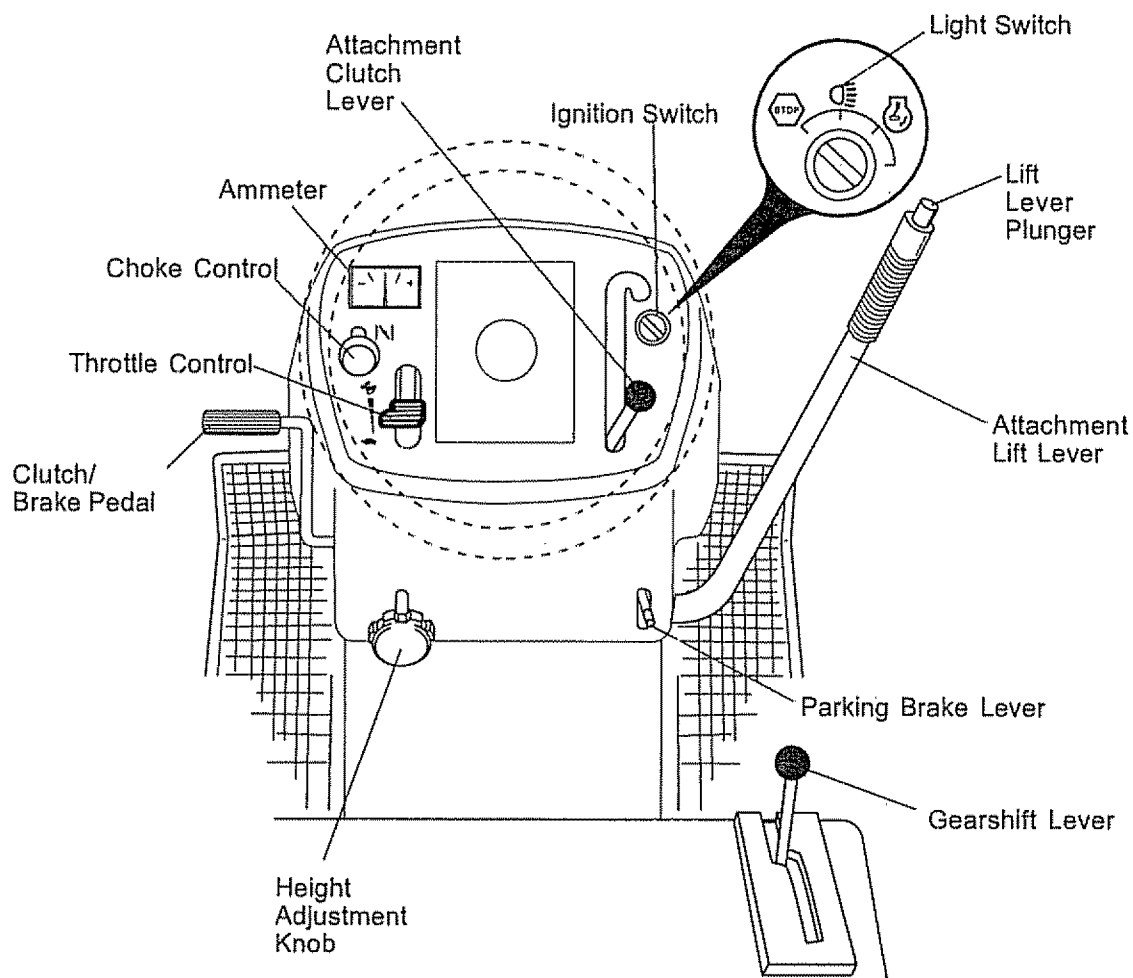
These symbols may appear on your tractor or in literature supplied with the product. Learn and understand their meaning.

					
BATTERY	CAUTION OR WARNING	REVERSE	FORWARD	FAST	SLOW
					
ENGINE ON	ENGINE OFF	OIL PRESSURE	LIGHTS ON	OVER TEMP LIGHT	
					
FUEL	CHOKE	MOWER HEIGHT	PARKING BRAKE LOCKED	UNLOCKED	MOWER LIFT
	R	N	H	L	
ATTACHMENT CLUTCH ENGAGED	REVERSE	NEUTRAL	HIGH	LOW	PARKING BRAKE
					
IGNITION	ATTACHMENT CLUTCH DISENGAGED	KEEP AREA CLEAR		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.

CHOKE CONTROL - Used when starting a cold engine.

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

GEARSHIFT LEVER - Selects the speed and direction of tractor.

HEIGHT ADJUSTMENT KNOB - Used to adjust the mower cutting height.

IGNITION SWITCH - Used for starting and stopping the engine.

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

LIGHT SWITCH - Turns the headlights on and off.

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

THROTTLE CONTROL - Used to control engine speed.

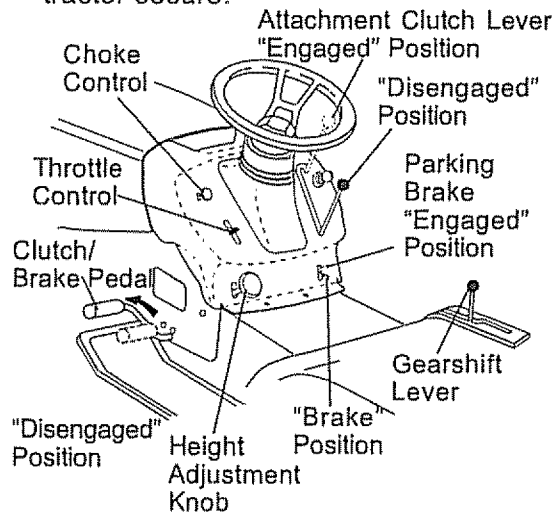


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety 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 into full "BRAKE" position and hold.
- Place parking brake lever in "EN-GAGED" position 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 into full "BRAKE" position.
- 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 "OFF" 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 "OFF" will cause the battery to be discharged, (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.

CAUTION: Always stop tractor completely, as described above, before leaving the operator's position; to empty grass catcher, etc.

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 USE CHOKE CONTROL

Use choke control whenever you are starting a cold engine. Do not use to start a warm engine.

- To engage choke control, pull knob out. Slowly push knob in to disengage.

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.
- Move gearshift lever to desired position.
- 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 cutting height is controlled by turning the height adjustment knob in desired direction.

- Turn knob clockwise (↻) to raise cutting height.
- Turn knob counterclockwise (↺) to lower cutting height.

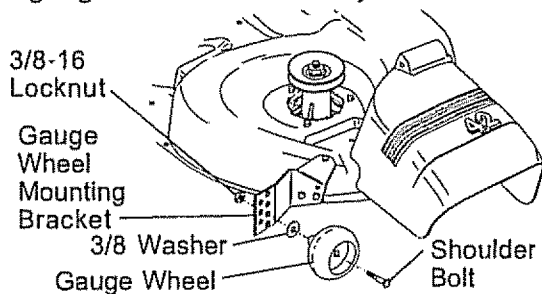
The cutting height range is approximately 1-1/2" to 4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

- 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 ADJUST GAUGE WHEELS

Gauge wheels are properly adjusted when they are slightly off the ground when mower is at the desired cutting height in operating position. Gauge wheels then keep the deck in proper position to help prevent scalping in most terrain conditions.

- Adjust gauge wheels with tractor on a flat level surface.
- Adjust mower to desired cutting height (See "TO ADJUST MOWER CUTTING HEIGHT" in the Operation section of this manual).
- With mower in desired height of cut position, gauge wheels should be assembled so they are slightly off the ground. Install gauge wheel in appropriate hole with shoulder bolt, 3/8 washer, and 3/8-16 locknut and tighten securely.
- Repeat for opposite side installing gauge wheel in same adjustment hole.

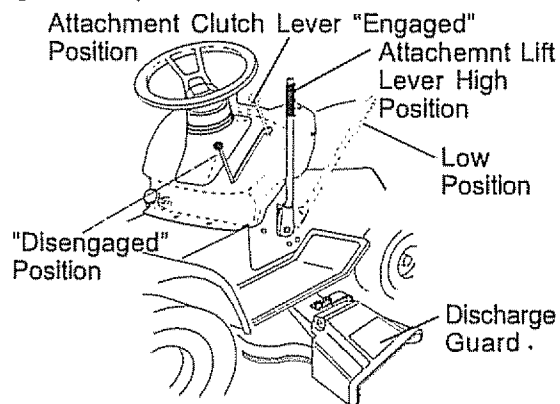


TO OPERATE MOWER

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.

- Select desired height of cut.
- Lower mower with attachment lift control.
- Start mower blades by engaging attachment clutch control.
- TO STOP MOWER BLADES - disengage attachment clutch control.

⚠ CAUTION: Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the discharge guard in place.



TO OPERATE ON HILLS

⚠ CAUTION: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope.

- 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 ATTACHMENTS

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 ENIGNE

CHECK ENGINE OIL LEVEL

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

IMPORTANT: When operating in temperatures below 32°F(0°C), use fresh, clean winter grade gasoline to help insure good cold weather starting.

⚠ WARNING: Experience indicates that 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.

⚠ CAUTION: Fill to bottom of gas tank filler neck. Do not overfill. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

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.
- Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control to fast position
- Pull choke control out for a cold engine start attempt. For a warm engine start attempt the choke control may not be needed.

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

- 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, push choke control in, wait a few minutes and try again. If engine still does not start, pull the choke control out and retry.

WARM WEATHER STARTING (50° F and above)

- When engine starts, slowly push choke control in until the engine begins to run smoothly. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly.
- 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)

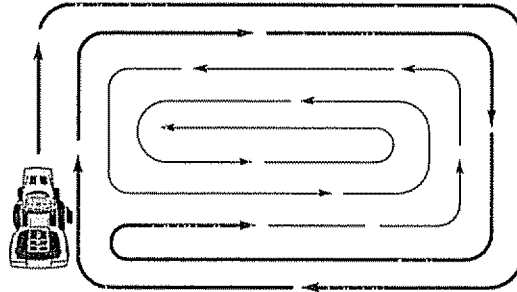
- When engine starts, slowly push choke control in until the engine begins to run smoothly. Continue to push the choke control in small steps allowing the engine to accept small changes in speed and load, until the choke control is fully in. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.
- The attachments can be used during the engine warm-up period and may require the choke control be pulled out slightly.

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 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.

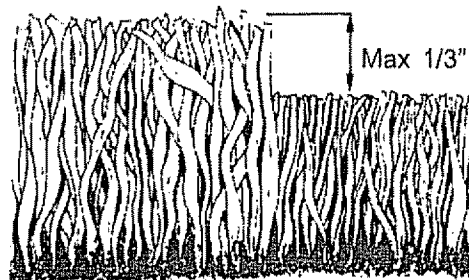
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.



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 mulching, 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

MAINTENANCE SCHEDULE		SERVICE DATES						
FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		BEFORE EACH USE	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY SEASON	BEFORE STORAGE
T R A C T O R	Check Brake Operation	✓	✓					
	Check Tire Pressure	✓	✓					
	Check Operator Presence and Interlock Systems	✓						
	Check for Loose Fasteners	✓			✓ ₇	✓		
	Sharpen/Replace Mower Blades			✓ ₄				
	Lubrication Chart			✓		✓		
	Check Battery Level			✓ ₆			✓	
	Clean Battery and Terminals			✓			✓	
	Check Transaxle Cooling			✓				
	Adjust Blade Belt(s) Tension					✓ ₅		
	Adjust Motion Drive Belt(s) Tension					✓ ₅		
E N G I N E	Check Engine Oil Level	✓	✓					
	Change Engine Oil			✓ _{1,2,3}			✓	
	Clean Air Filter			✓ ₂				
	Clean Air Screen			✓ ₂				
	Inspect Muffler/Spark Arrester				✓			
	Replace Oil Filter (if equipped)					✓ _{1,2}		
	Clean Engine Cooling Fins					✓ ₂		
	Replace Spark Plug					✓	✓	
	Replace Air Filter Paper Cartridge					✓ ₂		
	Replace Fuel Filter						✓	

- 1 - 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 - If equipped with oil filter, change oil every 50 hours
 4 - Replace blades more often when mowing in sandy soil
 5 - If equipped with adjustable system
 6 - Not required if equipped with maintenance-free battery
 7 - 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.

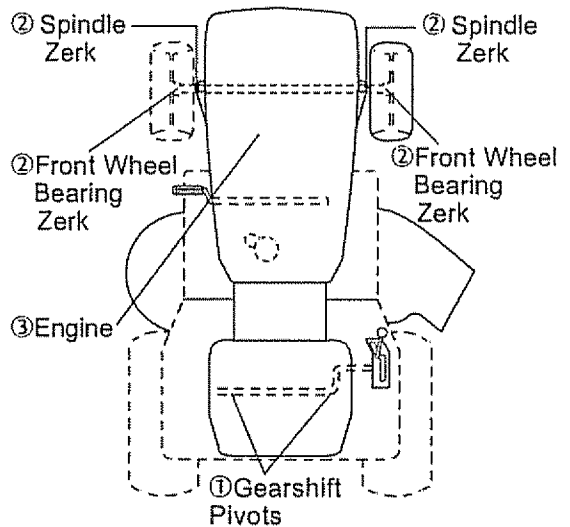
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- 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

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

LUBRICATION CHART



- ① SAE 30 or 10W30 Motor Oil
- ② General Purpose Grease
- ③ Refer 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.

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 attachment 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

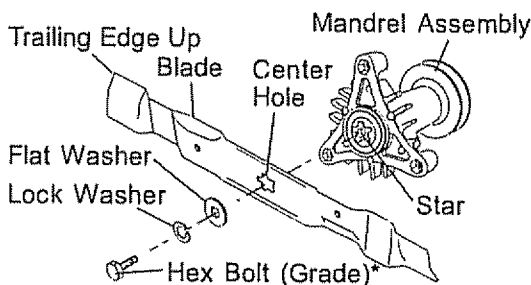
- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.

- 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 hex bolt, lock washer and flat washer in exact order as shown.
- Tighten 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

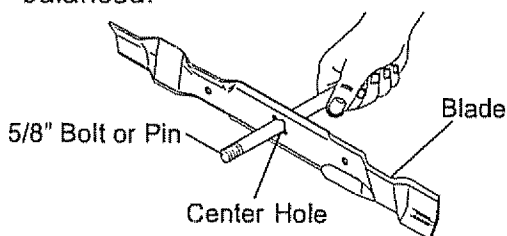
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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.

- 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.

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

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.

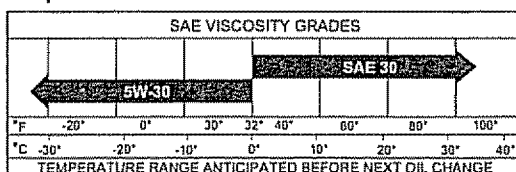
TRANSAXLE COOLING

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

ENGINE

LUBRICATION

Only use high quality detergent oil rated with API service classification SF, SG, or SH. 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 low on oil.

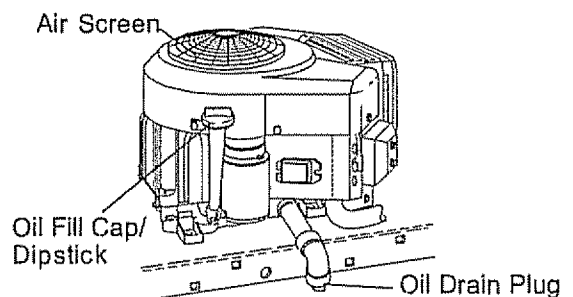
Change the oil after every 50 hours of operation or at least once a year if the tractor is not used for 50 hours in one year.

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, SG or SH.

- 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 drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- 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.

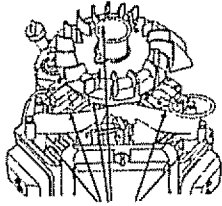


CLEAN AIR SCREEN

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. Air guide covers must be removed. Remove side panels and hood (See "TO REMOVE HOOD AND GRILL ASSEMBLY" in the Service and Adjustments section of this manual).



Clean these areas of dirt and debris

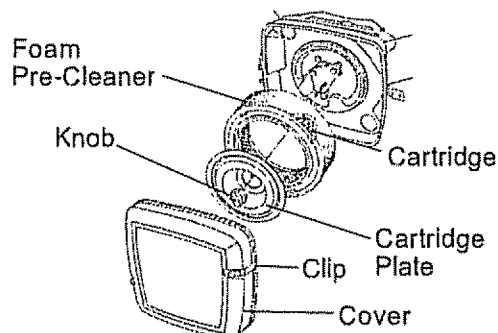
AIR FILTER

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. Service air cleaner more often under dusty conditions. Failure to clean or service air cleaner will cause engine to run rich and could cause spark plug fouling.

- Unhook clips on both sides of air cleaner and remove cover.

TO SERVICE PRE-CLEANER

- Slide foam pre-cleaner off cartridge.
- Wash it in liquid detergent and water.
- Squeeze it dry in a clean cloth.
- Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.
- If very dirty or damaged, replace pre-cleaner.
- Reinstall pre-cleaner over cartridge.
- Reinstall air cleaner cover and reattach clips to sides of air cleaner body.



TO SERVICE CARTRIDGE

- Remove knob and cartridge plate.
- Carefully remove cartridge to prevent debris from entering carburetor.

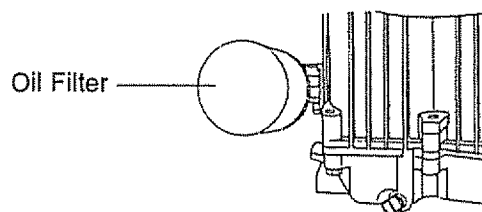
- Clean cartridge by tapping gently on flat surface. If very dirty or damaged, replace cartridge.
- Reinstall cartridge plate, cover plate, knob and pre-cleaner.
- Reinstall air cleaner cover and reattach clips to sides of air cleaner body.

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.

ENGINE OIL FILTER

Replace the engine oil filter every season or every other oil change if the tractor is used more than 100 hours in one year.

- Unscrew old filter by turning counter-clockwise. Use a suitable container to catch oil.
- Apply a thin coating of new engine oil to rubber gasket on replacement oil filter.
- Install replacement oil filter by turning clockwise until rubber gasket contacts mounting surface, then tighten filter an additional 1/2 to 3/4 turn.
- Fill crankcase with new oil (See "TO CHANGE ENGINE OIL" in this section of this manual). For approximate capacity see "PRODUCT SPECIFICATIONS" section of this manual.
- Start engine and check for oil leaks. Correct any leaks before placing engine into full operation.



MUFFLER

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

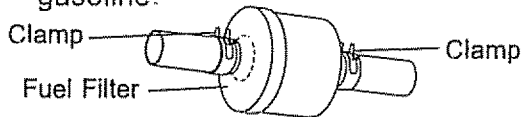
SPARK PLUGS

Replace spark plugs 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.

- With engine cool, remove filter and plug fuel line sections.
- Place new fuel filter in position in fuel line with arrow pointing towards carburetor.
- Be sure there are no fuel line leaks and clamps are properly positioned.
- 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.

SERVICE AND ADJUSTMENTS

CAUTION: Before performing any service or adjustments:

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

TRACTOR

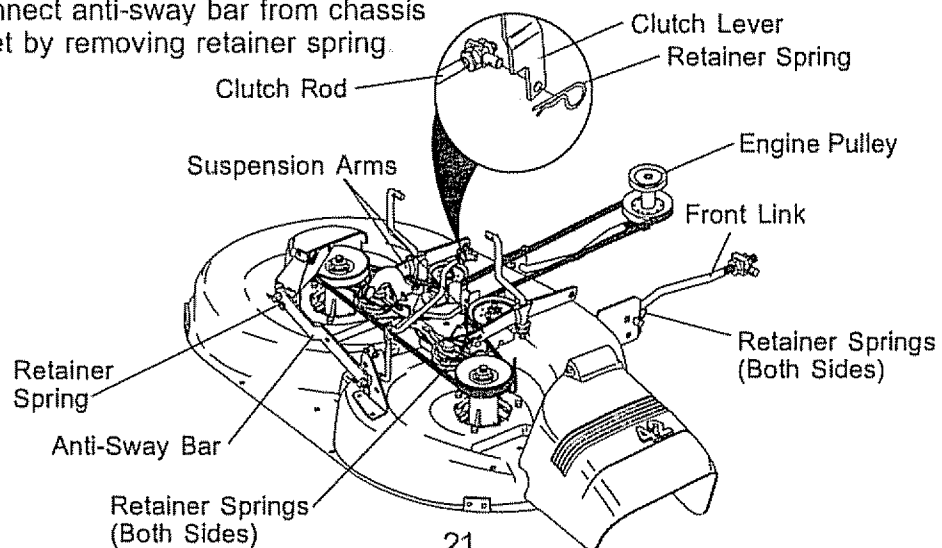
TO REMOVE MOWER

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

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Disconnect clutch rod from clutch lever by removing retainer spring.
- Disconnect anti-sway bar from chassis bracket by removing retainer spring.

- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- 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.



TO INSTALL MOWER

- Raise attachment lift lever to its highest position.
- Slide mower under tractor with discharge guard to right side of tractor.
- Lower lift lever to its lowest position.
- Install mower in reverse order of removal instructions.

TO LEVEL MOWER HOUSING

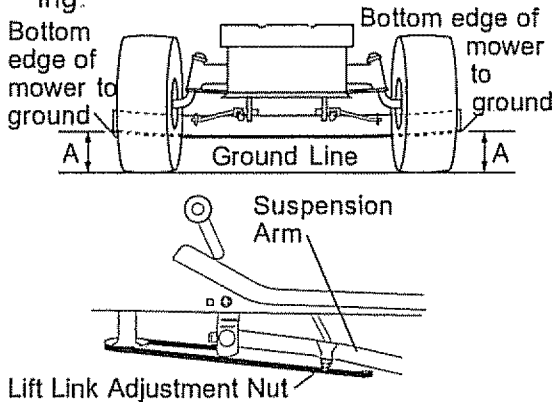
Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower.

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.



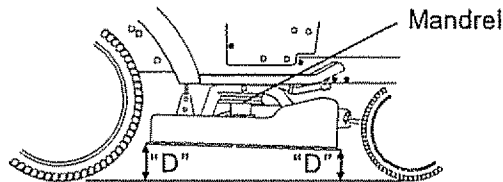
FRONT-TO-BACK ADJUSTMENT

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.

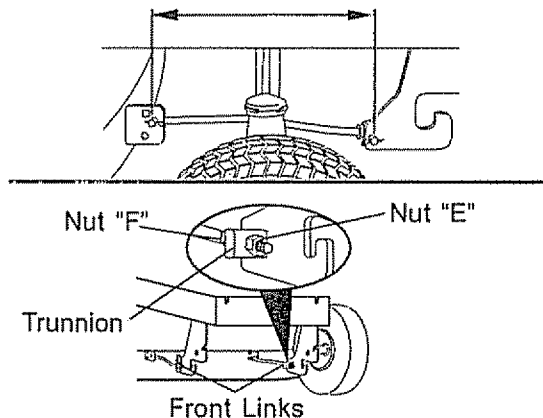
To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/8" to 1/2" lower than the rear when the mower is in its highest position.

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. Both links should be approximately 10-3/8".
- 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.
- 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

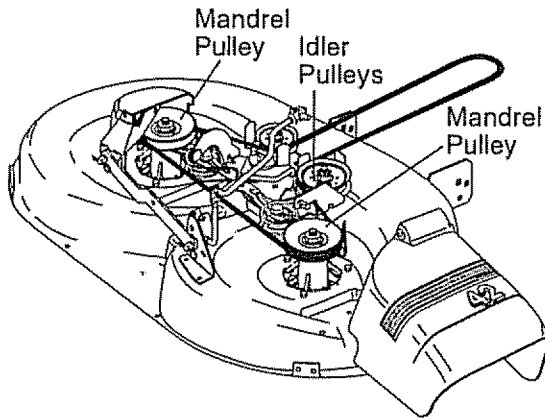


TO REPLACE MOWER BLADE DRIVE BELT

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 this manual).
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.



BELT INSTALLATION -

- Install new belt in reverse order of removal.
- Make sure belt is in all pulley grooves and inside all belt guides.
- Install mower in reverse order of removal instructions.

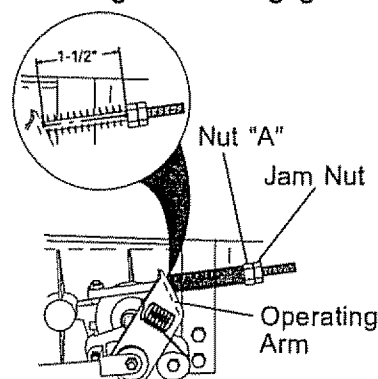
TO ADJUST BRAKE

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, 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.
- 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".
- 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 your nearest authorized service center/department.

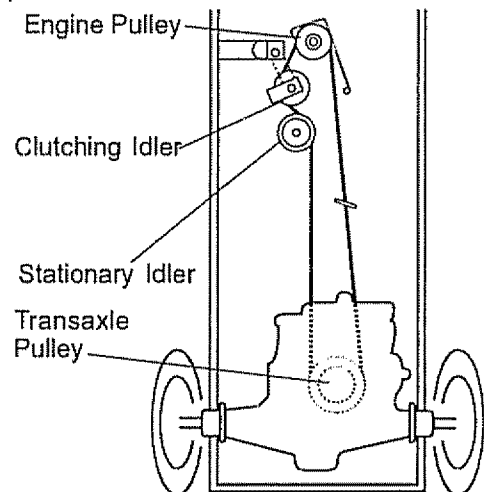
With Parking Brake "Engaged"



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.

- Remove mower (See "TO REMOVE MOWER" in this section of this manual)
- Remove belt from stationary idler and clutching idler.
- Pull belt slack toward rear of tractor. Remove belt upwards from transaxle pulley by deflecting belt keepers.
- Pull belt toward front of tractor and remove downwards from around engine pulley.
- Install new belt by reversing above procedure.

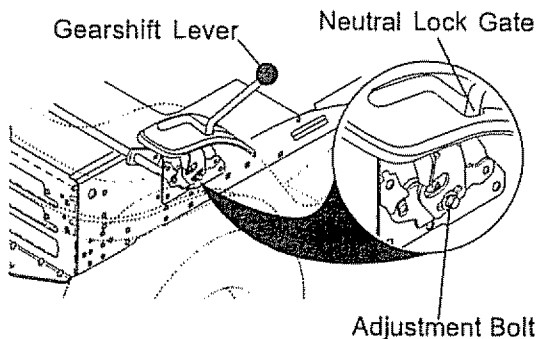


TRANSAXLE GEAR SHIFT LEVER

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:

- 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.
- Position the gear shift lever in the neutral (N) position.
- 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 per instructions in the Assembly section of this manual.

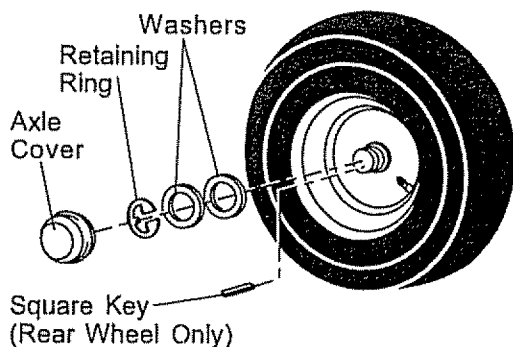
FRONT WHEEL TOE-IN/CAMBER

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 your nearest authorized service center/department.

TO REMOVE WHEEL FOR REPAIRS

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

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.



TO START ENGINE WITH A WEAK BATTERY

⚠ CAUTION: 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:

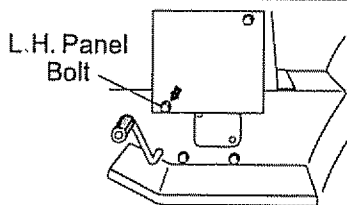
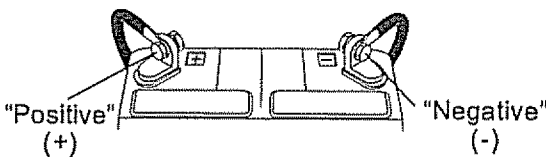
IMPORTANT: Your tractor is equipped with a 12 volt negative grounded system. The other vehicle must also be a 12 volt negative grounded system. Do not use your tractor battery to start other vehicles.

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

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

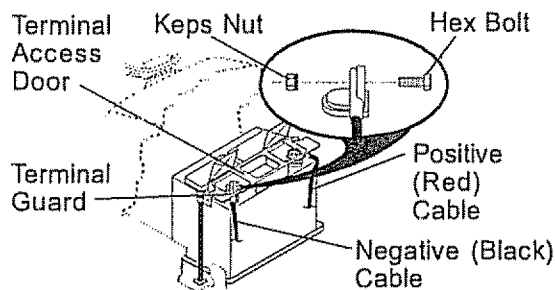


REPLACING BATTERY

⚠ CAUTION: 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.

- Lift hood to raised position.
- Remove terminal guard.
- Disconnect BLACK battery cable then RED battery cable and carefully remove battery from tractor.
- Install new battery with terminals in same position as old battery.
- Reinstall terminal guard.
- First connect RED battery cable to positive (+) battery terminal with hex bolt and keps nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt and keps nut. Tighten securely
- Close terminal access doors.
- Close hood.



TO REPLACE HEADLIGHT BULB

- Raise hood.
- 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.
- Close hood.

INTERLOCKS AND RELAYS

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

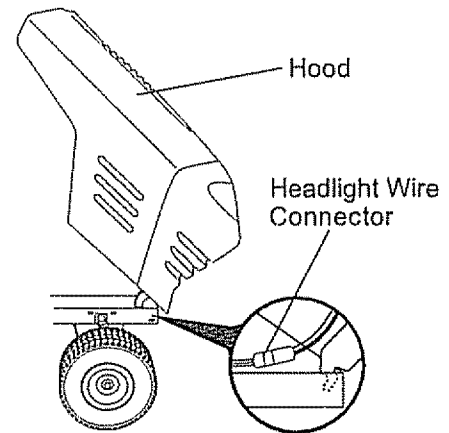
- Check wiring. See electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

Replace with 15 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL ASSEMBLY

- Raise hood.
- Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- To replace, reverse above procedure.



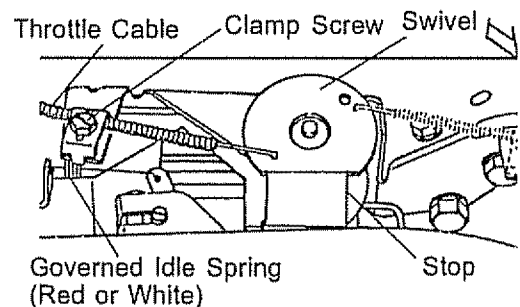
ENGINE

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 to fast position.
- Check that swivel is against stop. If it is not, loosen cable clamp screw and pull cable back until swivel is against stop. Tighten cable clamp screw securely.



TO ADJUST CHOKE CONTROL

The choke 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 choke control (located on dash panel) to full choke position.
- Loosen knob and remove cover assembly from air cleaner.
- Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- Replace air cleaner cover assembly and tighten knob.

TO ADJUST CARBURETOR

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 the mixture screw **in** (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the mixture screw **out** (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: Damage to the needles and the seats in carburetor may result if screw is turned in too tight.

PRELIMINARY SETTING -

- Be sure you have a clean air filter, and the throttle control cable and choke are adjusted properly (see above).
- With engine off turn idle mixture screw **in** (clockwise) closing it finger tight and then turn **out** (counterclockwise) 1-1/4 to 1-1/2 turns.

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.
- With throttle control lever in slow position, hold throttle lever against idle speed screw and adjust idle speed screw to obtain 1300 to 1500 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture screw **in** (clockwise) until engine begins to die and then turn **out** (counterclockwise) until engine runs rough. Turn screw to a point midway between those two positions.

- Continue to hold throttle lever against idle speed screw and adjust idle speed screw to obtain 1200 RPM, if the governed idle spring is red, or 900 RPM, if the governed idle spring is white. Release throttle lever.

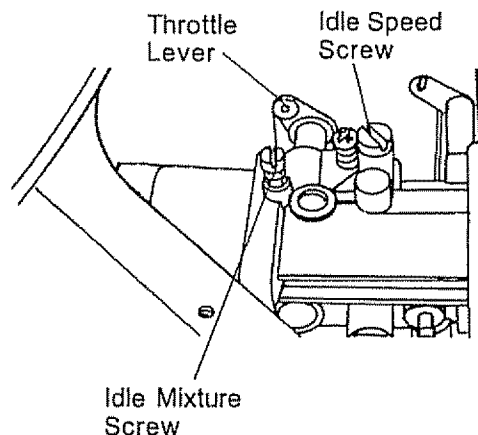
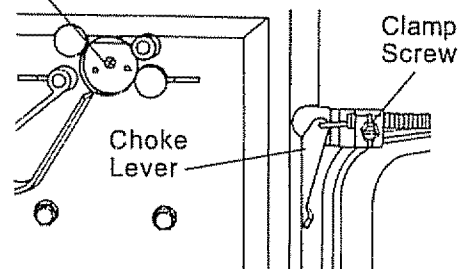
ACCELERATION TEST -

- Move throttle control lever from slow to fast position. If engine hesitates or dies, turn idle mixture screw **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 - 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 your nearest authorized service center/department, which has proper equipment and experience to make any necessary adjustments.

Choke Closed



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.

⚠ CAUTION: 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).
- 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.
- 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 TERMINALS" 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

filter, fuel hose, or tank during storage. Also, experience indicates that 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.

- Drain the fuel tank.
- 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)

- Remove spark plug(s).
- Pour one ounce of oil through spark plug hole(s) into cylinder(s).
- Turn ignition key to "START" position for a few seconds to distribute oil.
- 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

PROBLEM	CAUSE	CORRECTION
Will not start	<ul style="list-style-type: none"> • Out of fuel. • Engine not "CHOKED" properly. • Engine flooded. • Bad spark plug. • Dirty air filter. • Dirty fuel filter. • Water in fuel. • Loose or damaged wiring. • Carburetor out of adjustment. • Engine valves out of adjustment. 	<ul style="list-style-type: none"> • 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. • Check all wiring. • See "To Adjust Carburetor" in Service Adjustments section. • Contact an authorized service center/department.
Hard to start	<ul style="list-style-type: none"> • Dirty air filter. • Bad spark plug. • Weak or dead battery. • Dirty fuel filter. • Stale or dirty fuel. • Loose or damaged wiring. • Carburetor out of adjustment. • Engine valves out of adjustment. 	<ul style="list-style-type: none"> • Clean/replace air filter. • Replace spark plug. • Recharge or replace battery. • Replace fuel filter. • Drain fuel tank and refill with fresh gasoline. • Check all wiring. • See "To Adjust Carburetor" in Service Adjustments section. • Contact an authorized service center/department.
Engine will not turn over	<ul style="list-style-type: none"> • Clutch/brake pedal not depressed. • Attachment clutch is engaged. • Weak or dead battery. • Blown fuse. • Corroded battery terminals. • Loose or damaged wiring. • Faulty ignition switch. • Faulty solenoid or starter. • Faulty operator presence switch(es). 	<ul style="list-style-type: none"> • Depress clutch/brake pedal. • Disengage attachment clutch. • Recharge or replace battery. • Replace fuse. • Clean battery terminals. • Check all wiring. • Check/replace ignition switch. • Check/replace solenoid or starter. • Contact an authorized service center/department.
Engine clicks but will not start	<ul style="list-style-type: none"> • Weak or dead battery. • Corroded battery terminals. 	<ul style="list-style-type: none"> • Recharge or replace battery. • Clean battery terminals.

TROUBLESHOOTING CHART

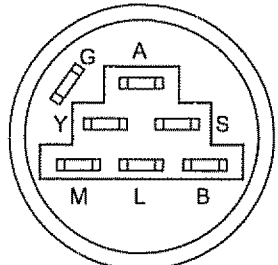
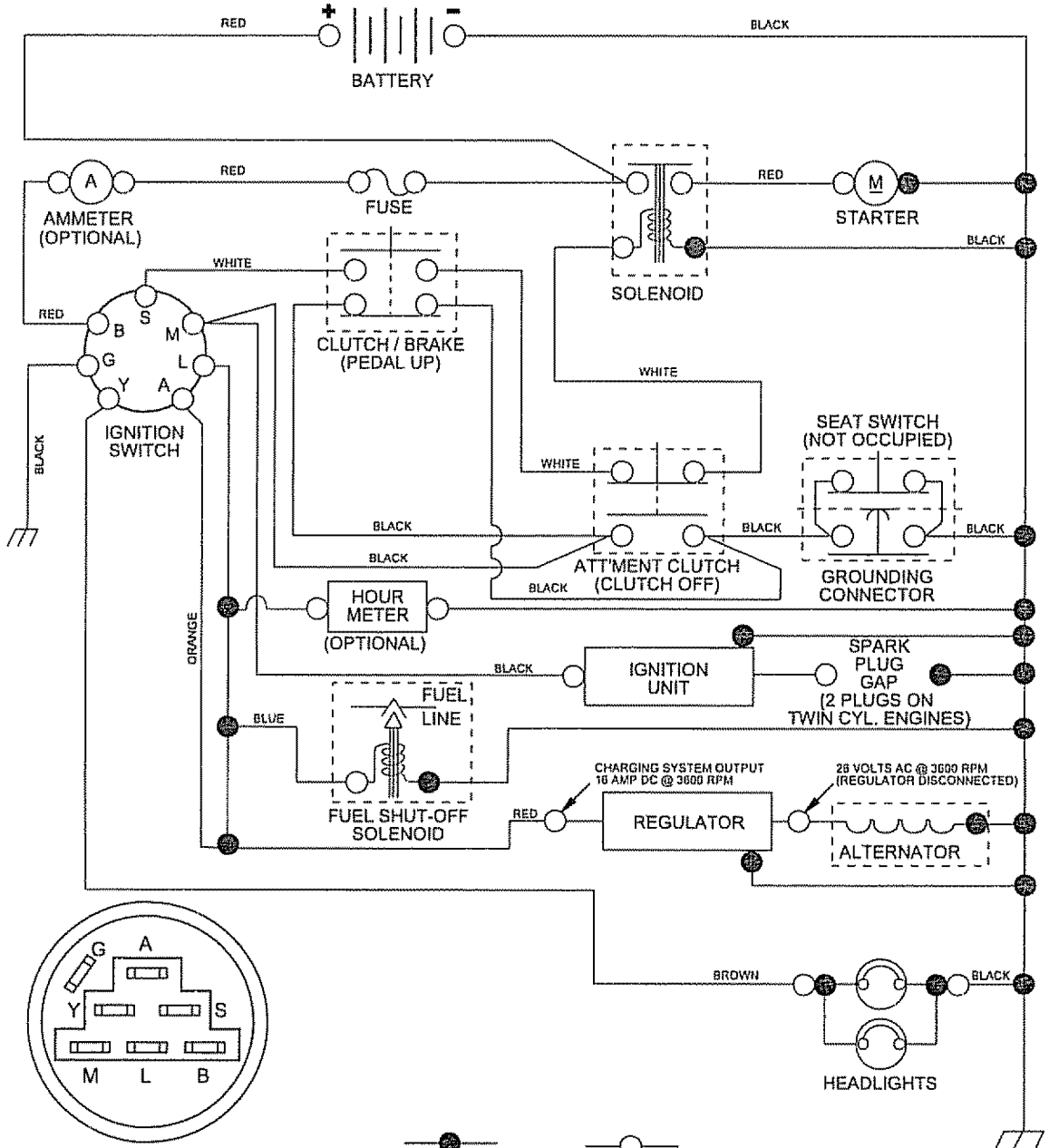
PROBLEM	CAUSE	CORRECTION
Engine clicks but will not start (Cont'd)	<ul style="list-style-type: none"> • Loose or damaged wiring. • Faulty solenoid or starter. 	<ul style="list-style-type: none"> • Check all wiring. • Check/replace solenoid or starter.
Loss of power	<ul style="list-style-type: none"> • 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. • Spark plug wire loose. • Dirty engine air screen/fins. • Dirty/clogged muffler. • Loose or damaged wiring. • Carburetor out of adjustment. • Engine valves out of adjustment. 	<ul style="list-style-type: none"> • 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 carburetor, refill tank with fresh gasoline and replace fuel filter. • Connect and tighten spark plug wire. • Clean engine air screen/fins. • Clean/replace muffler. • Check all wiring. • See "To Adjust Carburetor" in Service Adjustments section. • Contact an authorized service center/department.
Excessive vibration	<ul style="list-style-type: none"> • Worn, bent or loose blade. • Bent blade mandrel. • Loose/damaged part(s). 	<ul style="list-style-type: none"> • Replace blade. Tighten blade bolt. • Replace blade mandrel. • Tighten loose part(s). Replace damaged parts.
Engine continues to run when operator leaves seat with attachment clutch engaged	<ul style="list-style-type: none"> • Faulty operator-safety presence control system. 	<ul style="list-style-type: none"> • Check wiring, switches and connections. If not corrected, contact an authorized service center/department.
Poor cut - uneven	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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

PROBLEM	CAUSE	CORRECTION
Mower blades will not rotate	<ul style="list-style-type: none"> • Obstruction in clutch mechanism. • Worn/damaged mower drive belt. • Frozen idler pulley. • Frozen blade mandrel. 	<ul style="list-style-type: none"> • Remove obstruction. • Replace mower drive belt. • Replace idler pulley. • Replace blade mandrel.
Poor grass discharge	<ul style="list-style-type: none"> • Engine speed too slow. • Travel speed too fast. • Wet grass. • Mower deck not level. • Low/uneven tire air pressure. • Worn, bent or loose blade. • Buildup of grass, leaves and trash under mower. • Mower drive belt worn. • Blades improperly installed. • Improper blades used. • Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	<ul style="list-style-type: none"> • Place throttle control in "FAST" position. • Shift to slower speed. • Allow grass to dry before mowing. • Level mower deck. • Check tires for proper air pressure. • Replace/sharpen blade. Tighten blade bolt. • Clean underside of mower housing. • Replace mower drive belt. • Reinstall blades sharp edge down. • Replace with blades listed in this manual. • Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	<ul style="list-style-type: none"> • Switch is "OFF". • Bulb(s) burned out. • Faulty light switch. • Loose or damaged wiring. • Blown fuse. 	<ul style="list-style-type: none"> • Turn switch "ON". • Replace bulb(s). • Check/replace light switch. • Check wiring and connections. • Replace fuse.
Battery will not charge	<ul style="list-style-type: none"> • Bad battery cell(s). • Poor cable connections. • Faulty regulator (if so equipped). • Faulty alternator. 	<ul style="list-style-type: none"> • Replace battery. • Check/clean all connections. • Replace regulator. • Replace alternator.
Engine "backfires" when turning engine "OFF"	<ul style="list-style-type: none"> • Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine. 	<ul style="list-style-type: none"> • Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

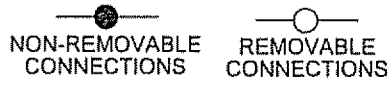
TRACTOR -- MODEL NUMBER 917.270813

SCHEMATIC



IGNITION SWITCH

POSITION	CIRCUIT	"MAKE"
OFF	G + M + L	NONE
RUN/LIGHT	B + L	A + Y
RUN	B + L	NONE
START	B + L + S	NONE

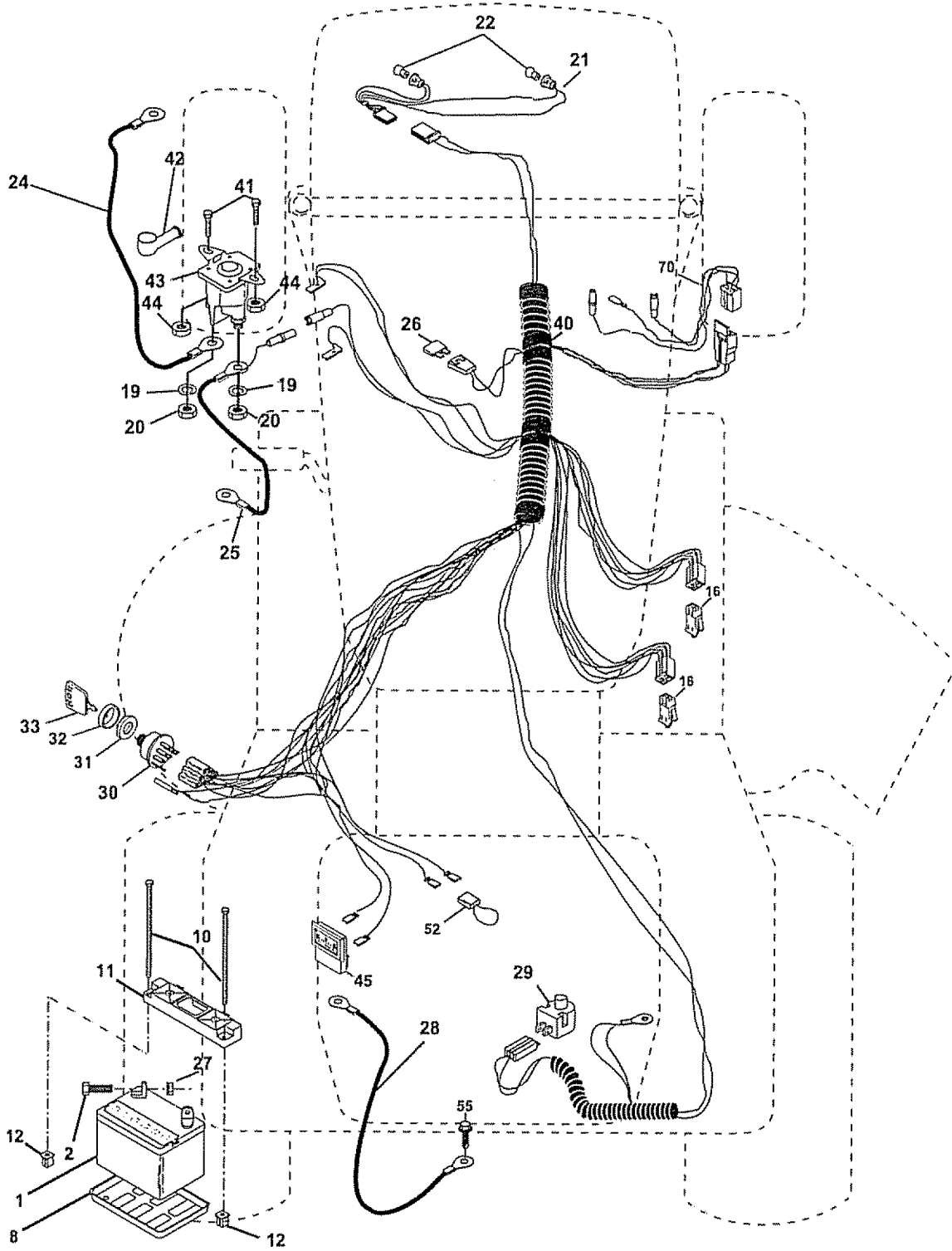


WIRING INSULATED CLIPS
NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING.

REPAIR PARTS

TRACTOR -- MODEL NUMBER 917.270813

ELECTRICAL



TRACTOR -- MODEL NUMBER 917.270813

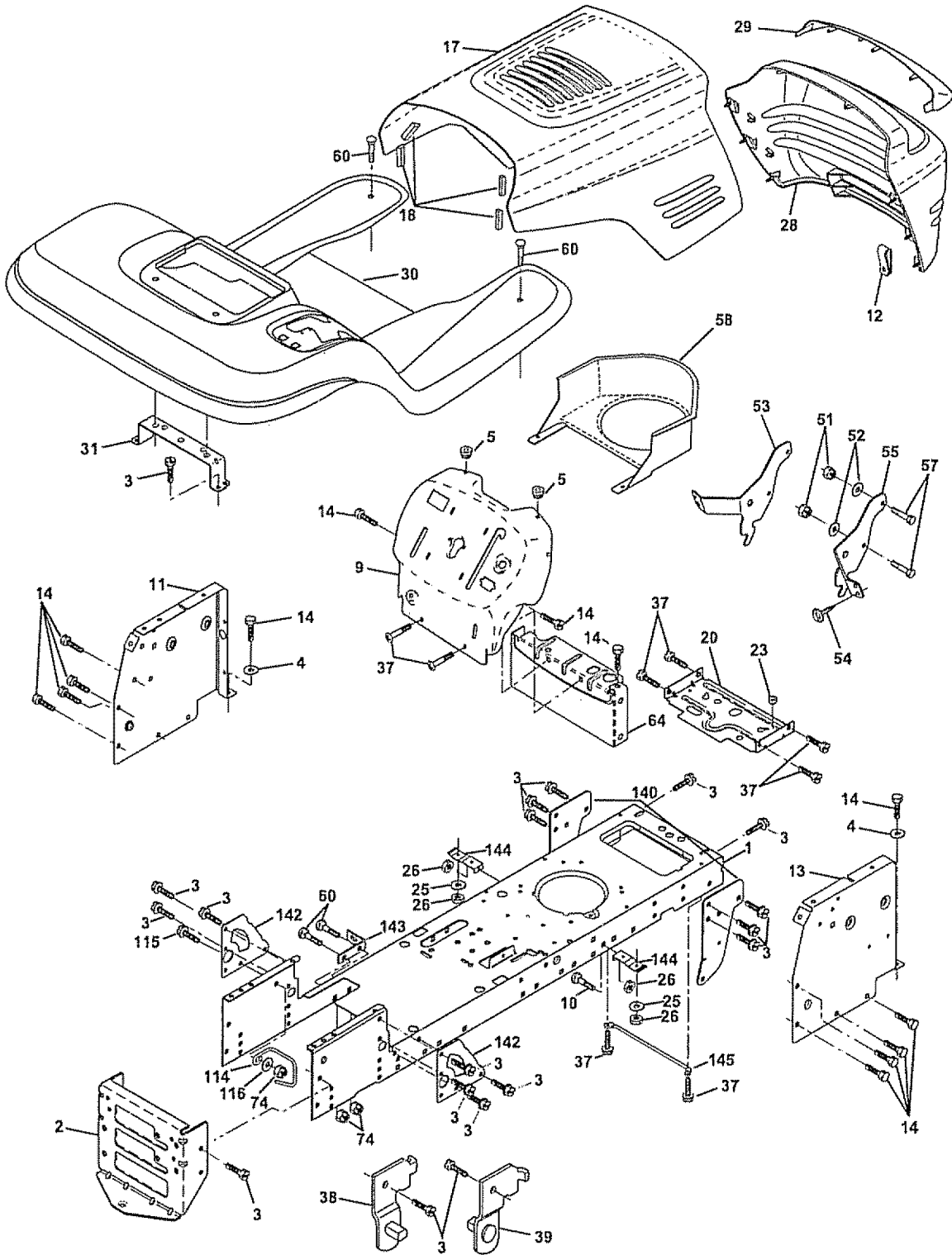
ELECTRICAL

KEY PART NO. NO.	DESCRIPTION
1 163465	Battery 12 Volt 28 Amp
2 74760412	Bolt Hex Hd 1/4-20unc X 3/4
8 7603J	Case Battery
10 145211	Bolt, Btr Front 1/4-20 x 7-1/2
11 150109	Holddown Battery Front Mount
12 145769	Nut, Push Nylon Battery Front 1/4
16 153664	Switch Interlock Push-In
19 STD551125	Washer Lock 1/4
20 73350400	Nut Jam Hex 1/4-20 Unc
21 166182	Harness Asm Light W/4152j
22 4152J	Bulb Light #1156
24 4799J	Cable Battery 6 Ga 11"red
25 146148	Cable Battery 6 Ga red w/16 wire
26 166180	Fuse 15 AMP
27 73510400	Nut Keps Hex 1/4-20 Unc
28 145491	Cable Ground 6 Ga 12"black
29 121305X	Switch Plunger Nc Gray
30 140301	Switch Ign
31 124211X	Nut Ignition
32 141226	Cover Sw Key Blk 1 25 Text SLT
33 109310X	Key Molded Craftsman
40 166145	Harness Ign LT
41 71110408	Bolt Blk Fin Hex 1/4-20 Unc x 1/2
42 131563	Cover Terminal Red
43 145673	Solenoid
44 73640400	Nut Keps Blk Hex 1/4-20 Unc
45 122822X	Ammeter Rectangular 15Amp
52 141940	Protection Wire Loop
55 17490508	Screw Thdrol 5/16-18 x 1/2
70 166660	Harness Eng

NOTE: All component dimensions given in U. S
inches 1 inch = 25/4 mm

TRACTOR -- MODEL NUMBER 917.270813

CHASSIS AND ENCLOSURES



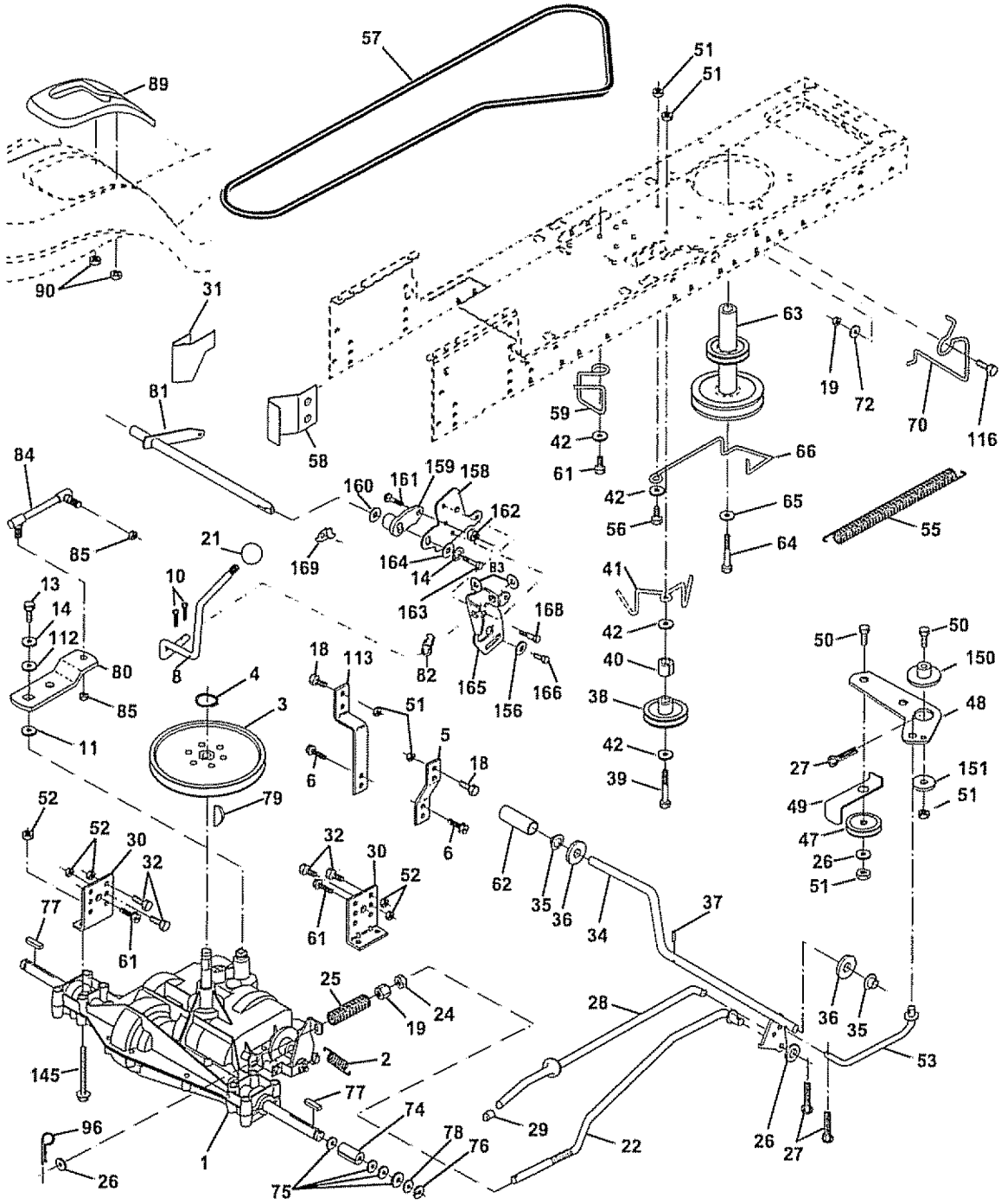
TRACTOR --MODEL NUMBER 917.270813
CHASSIS AND ENCLOSURES

KEY PART NO. NO.	DESCRIPTION
1 166819	Chassis Assembly
2 140356	Drawbar
3 17060612	Screw 3/8-16 x .75
4 STD551025	Washer 13/32 x 3/4 x 16 Ga
5 155272	Bumper Hood/Dash
9 161917X013	Dash
10 STD533710	Bolt Carriage 3/8-16 x 1
11 155927	Panel Asm. Dash Lh
12 145660	Clip Tinnerman Grille P/L
13 169118	Panel Dash Rh
14 17490608	Screw Thdrol. 3/8-16 x 1/2 Ty-Tt
17 144983X558	Hood Assembly
18 126938X	Bumper Hood
20 156437	Plate Mtg. Batery/Fuel Tank Fr
23 124028X	Bushing Snap Nyl Blk Fuel Line
25 19131312	Washer 13/32 x 13/16 x 12 Ga.
26 73800600	Nut Lock Hex w/ins 3/8-16 Unc
28 156725X558	Grille/Lens Asm
29 155217X599	Lens Grille
30 151287X558	Fender/Footrest
31 139976	Bracket Fender Support
37 17490508	Screw Thdrol 5/16-18 x 1/2 Tyt
38 139886	Bracket Asm. Pvt. Lh Mwr. Rear
39 139887	Bracket Asm. Pvt. Rh Mwr. Rear
51 73800400	Nut Lock Hex W/Ins. 1/4-20
52 19091416	Washer 9/32 x 7/8 x 16 Ga.
53 145201	Bracket Grille LH
54 161464	Screw Hex Wshd 8-18 x 7/8
55 145202	Bracket. Grille RH
57 STD522507	Bolt Fin Hex 1/4-20 x 3/4
58 150127	Duct Air Engine PL/LT
60 STD533707	Bolt Rdhd Sqnk 3/8-16 x Unc x 3/4
64 154798	Dash Lower STLT
74 STD541437	Nut Crownlock 3/8-16 UNC
114 158112	Keeper Belt rear Lh Stl
115 17490620	Screw Thrdol 3/8-16 x 1-1/4
116 19131614	Washer 13/32 x 1 x 14 Ga.
140 158418	Bracket Front Suspension
142 165867	Plate Reinforcement STLT
143 154966	Bracket Swaybar Chassis
144 154207	Bracket Pnt Footrest STLT
145 156524	Rod Pivot Chassis/Hood

NOTE: All component dimensions given in U. S.
inches 1 inch = 25/4 mm

TRACTOR -- MODEL NUMBER 917.270813

GROUND DRIVE



TRACTOR -- MODEL NUMBER 917.270813

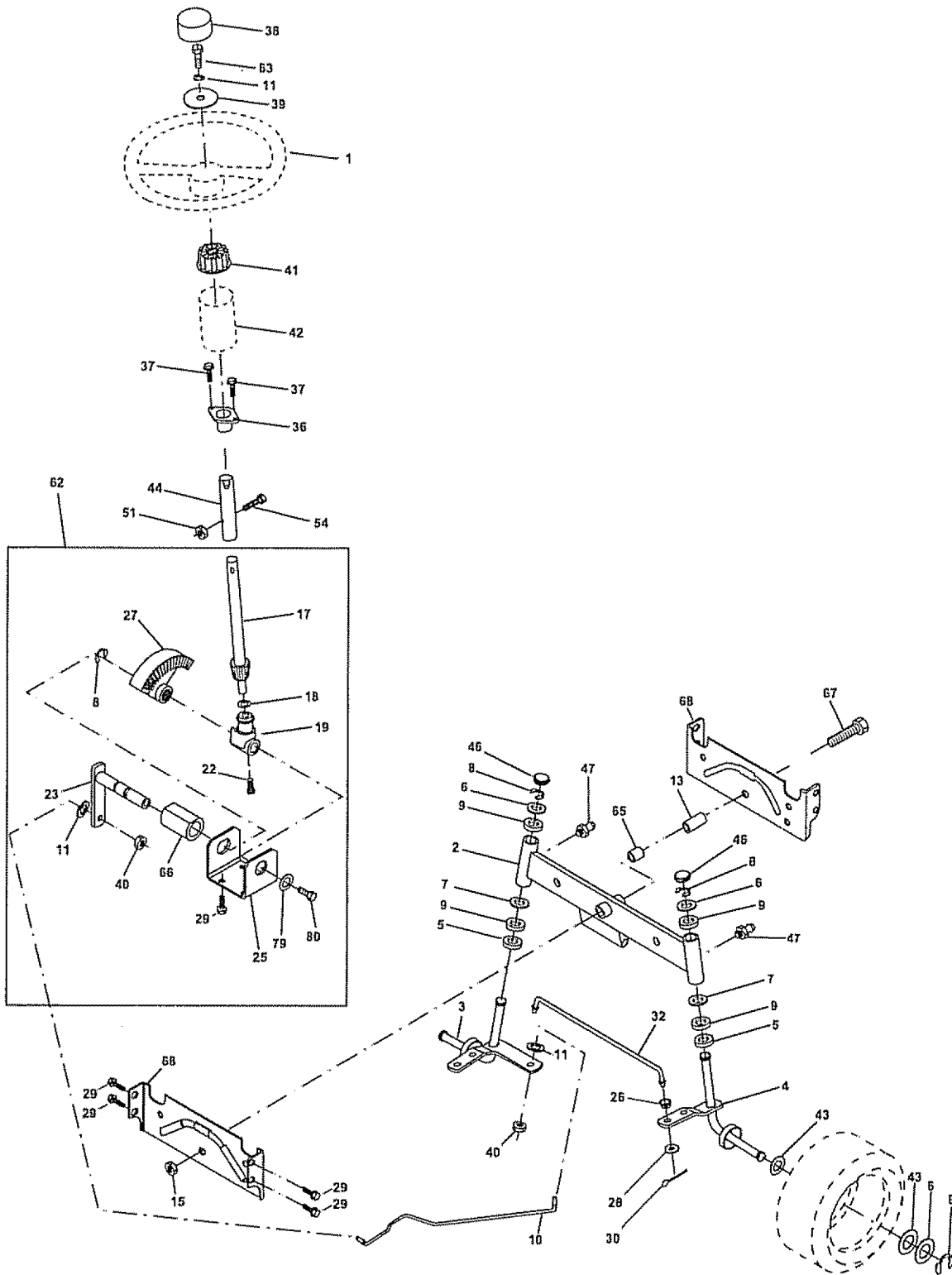
GROUND DRIVE

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 -----	Transaxle (See Breakdown) Peerless 206-545C	59 140312	Keeper Belt Chassis Span Ctr
2 146682	Spring Return Brake	61 17060612	Screw 3/8-16 x 75
3 123666X	Pulley Transaxle	62 8883R	Cover Pedal Blk Round
4 12000028	Ring Retainer	63 140186	Engine Pulley LT/YT
5 121520X	Strap Torque 30 Degrees	64 71170764	Bolt Hex 7/16-20x4 Gr 5
6 17060512	Screw 5/16-18 X 3/4	65 STD551143	Washer Lock Hvy Hlcl Spr 7/16
8 165866	Rod Shifter Fender STLT	66 154778	Keeper Belt Engine
10 STD561210	Pin Cotter 1/8 X 1	70 134683	Guide Belt Mower Drive RH
11 105701X	Washer Plate Shf 388 Sq Hole	72 19132012	Washer 13/32 X 1-1/4 X 12 Ga
13 74550412	Bolt 1/4-28 Unf Gr 8 W/Patch	74 137057	Spacer Axle
14 STD551125	Washer Lock 1/4	75 121749X	Washer 25/32 X 1 1/4 X 16 Ga
18 STD523710	Bolt Fin Hex 3/8-16 unc X 1 Gr. 5	76 STD581075	E-ring
19 STD541437	Nut Lock Hex W/Ins. 3/8-16 Unc	77 123583X	Key Square 2 0 X 1845/ 1865
21 106933X	Knob Rd 1/2-13 Plstc Thds Blk	78 121748X	Washer 25/32 X 1-5/8 X 16 Ga
22 130804	Rod Brake LT	79 STD580025	Key Woodruff
24 STD541237	Nut Hex Jam 3/8-16	80 145090	Arm shift
25 106888X	Spring Rod Brake 2 00 Zinc	81 165592	Shaft Assembly
26 STD551037	Washer 13/32 X 13/16 X 16 Ga	82 165711	Spring, Torsion
27 STD561210	Pin Cotter 1/8 X 3/4 Cad	83 19171216	Washer 17/32 x 3/4 x 16 Ga
28 145204	Rod Brake Parking LT/YT	84 166231	Transaxle Link
29 124236X	Cap Brake Parking Black	85 150360	Nut, Nylock
30 130807	Bracket Transmission	89 158391X428	Console, Shift, STLT
31 127275X	Keeper Belt LH LT 14 Ga	90 124346X	Nut, Self-Thding, Wsh Hd 1/4
32 STD523107	Bolt Hex 5/16-18 x 3/4	96 STD624003	Retainer Spring 1"
34 155071	Shaft Asm Pedal Foot	112 19091210	Washer 9/32 X 3/4 X 10 Ga
35 120183X	Bearing Nylon Blk 629 Id	113 127285X	Strap Torque 90 Degrees
36 STD551062	Washer 21/32 X 1 X 16 Ga	116 72110610	Bolt Rdhd Sq Neck 3/8-16 x 1.25
37 STD571810	Pin Roll 3/16 X 1"	145 74490540	Bolt Hex FLGHD 5/16-18 Gr. 5
38 131494	Pulley Idler Flat	150 165850	Bushing Bellcrank Grd Dr SH/Lt
39 STD523727	Bolt Fin Hex 3/8-16unc X 2-3/4	151 19133210	Washer 13/32 x 2 x 10 Ga.
40 4470J	Spacer Split 395 X 59 Bzp	156 166002	Washer Srrted 5/16ID x 1.125
41 165838	Keeper Belt Idler	157 153236	Bolt Shoulder 5/16-18 Unc - 2A
42 19131312	Washer 13/32 X 13/16 X 12 Ga	158 165589	Bracket Shift Mount
47 127783	Pulley Idler V Groove Plastic	159 165494	Hub Tapered Flange Shift Lt
48 154407	Bellcrank Clutch Grnd Drv STL	160 19292016	Washer 29/32 x 1-1/4 x 16 Ga
49 123205X	Retainer Belt Style Spring	161 72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr 5
50 STD523715	Bolt Hex Hd 3/8-16unc X 1-1/2	162 73680400	Nut Crownlock 1/4-20 Unc
51 STD541437	Nut Crownlock 3/8-16 Unc	163 74780416	Bolt Hex Fin 1/4-20 Unc x 1 Gr 5
52 STD541431	Nut Crownlock 5/16-18	164 19091010	Washer 5/8 x .281 x 10 Ga
53 105710X	Link Clutch 7 66	165 165623	Bracket Pivot Lever
55 105709X	Spring Return Clutch 6 75	166 166880	Screw 5/16-18 x 5/8
56 STD523712	Bolt Fin Hex 3/8-16 UNC x 1-1/4	168 165492	Bolt Shoulder 5/16-18 x 561
57 130801	V-Belt Ground Drive	169 165580	Plate Fastening Lt
58 127274X	Keeper Belt RH LT Pnt/zinc 16g		

NOTE: All component dimensions given in U S
inches 1 inch = 25/4 mm

TRACTOR--MODEL NUMBER 917.270813

STEERING



TRACTOR --MODEL NUMBER 917.270813

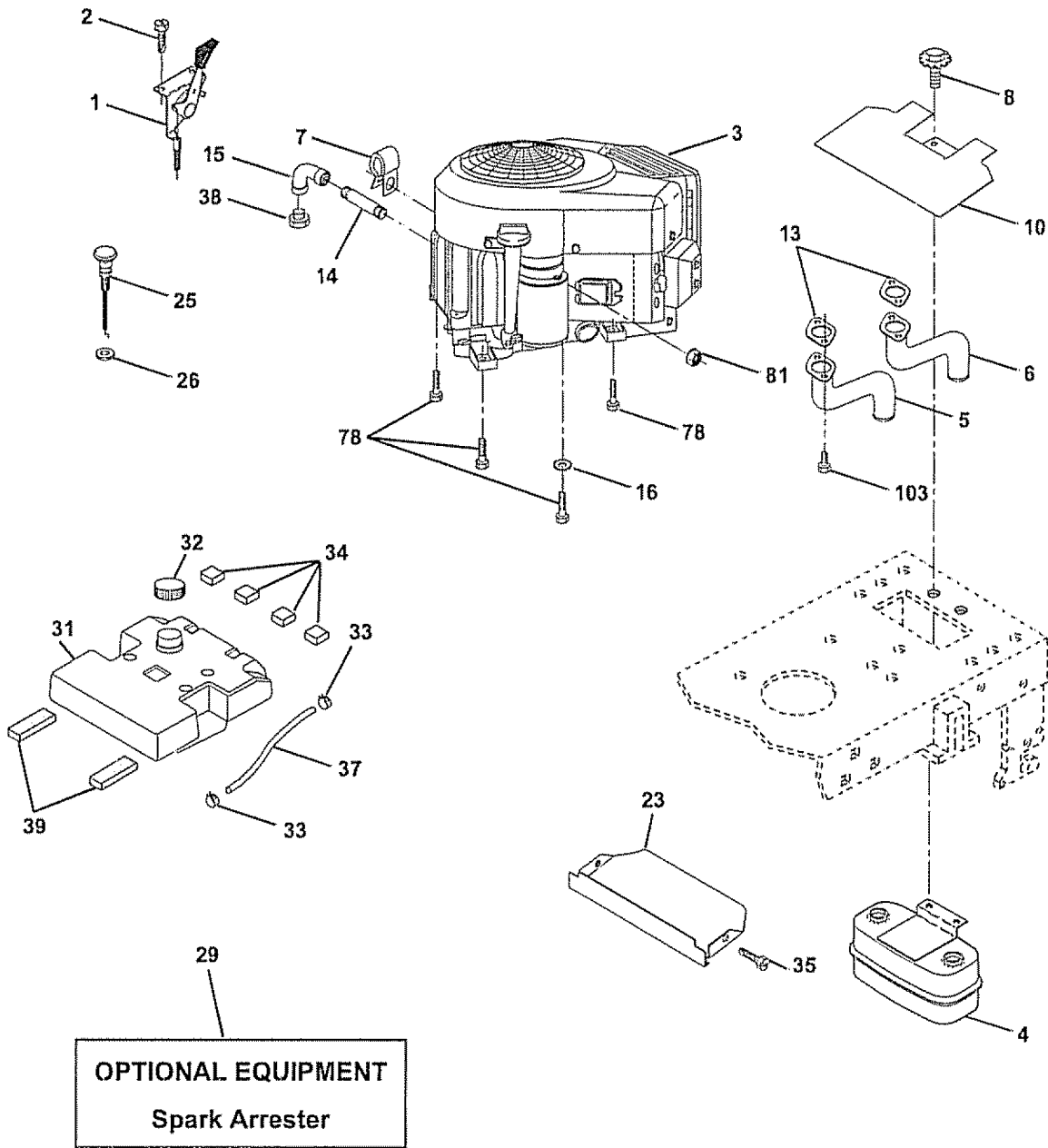
STEERING

KEY PART NO.	NO.	DESCRIPTION
1	139768	Wheel Steering
2	154427	Axle Asm Fr LT W/gzks 38/42
3	156483	Spindle Asm LH
4	157473	Spindle Asm RH
5	6266H	Washer Thrust .75 x 1.230
6	121748X	Washer 25/32 X 1-5/8 X 16 Ga
7	19272016	Washer 27/32 X 1-1/4 X 16 Ga
8	12000029	Ring Klip #t5304-75
9	3366R	Bearing Col Strg Blk
10	156438	Link Drag Extended Stamped
11	STD551137	Washer Lock Hvy Hlcl Spr 3/8
13	154779	Bearing Axle
15	73901000	Nut Lock Flange 5/8-11 Unc
17	156546	Shaft Asm Strg Private Label
18	57079	Washer Thrust 515x 750x 033
19	160395	Support Shaft Steering
22	165857	Screw Hex WshHd Torx
23	165851	Shaft Asm Pittman
25	154406	Bracket Steering
26	126847X	Bushing Link Drag Blk Lr
27	136874	Gear Sector 22 Teeth
28	19131416	Washer 13/32 x 7/8 x 16 Ga
29	17060612	Screw 3/8-16 x.75
30	STD561210	Pin Cotter 1/8 x 3/4 Cad
32	130465	Rod Tie Wire Form 19 75 Mech
36	155099	Bushing Steering
37	152927	Screw
38	139769	Cap Wheel Steer Ayp
39	19133812	Washer 13/32 x 2-3/8 x 12 Ga
40	STD541437	Nut, Lock Center 3/8-24 UNF
41	100711L	Adapter Wheel Strg
42	145054	Boot Steering
43	121749X	Washer 25/32 X 1 1/4 X 16 Ga
44	153720	Extension Steering P/L
46	121232X	Cap Spindle Fr Top Blk
47	6855M	Fitting Grease
51	STD541431	Nut Lock Hex W/Ins. 5/16-18 Unc P
54	74780520	Bolt Fin Hex 5/16-18 Unc 6 x 1-1/4
62	167902	Kit Steering Assembly
63	STD523710	Bolt Fin Hex 3/8-16unc x 1 Gr 5
65	154780	Spacer Axle
66	154404	Bearing Arm Pittman
67	74781044	Bolt Fin Hex 5/8-11 X 2-3/4
68	154429	Brace Axle
79	19132012	Washer 13/32 x 1-1/4 x 12 Ga
80	74950612	Bolt Hex Nylon 3/8-16 x 3/4

NOTE: All component dimensions given in U S.
Inches 1 inch = 25/4 mm

TRACTOR -- MODEL NUMBER 917.270813

ENGINE



TRACTOR --MODEL NUMBER 917.270813

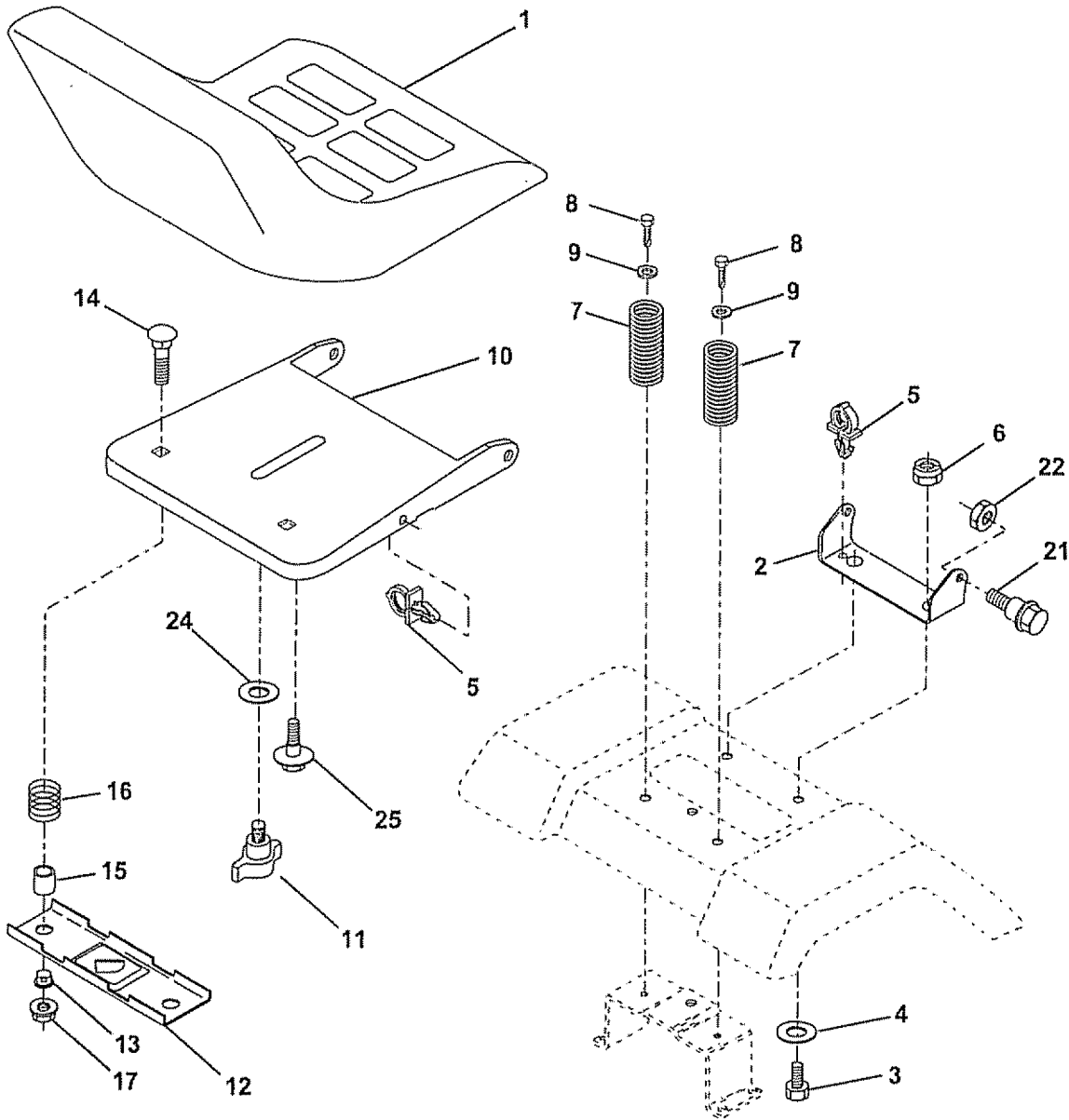
ENGINE

KEY PART NO. NO.	DESCRIPTION
1 162153	Control Throt Paddle 3600
2 17720410	Screw Hex Thd Cut 1/4-20x5/8
3 -----	Engine B&S Model 350777-1034-A1 (See Breakdown)
4 149723	Muffler Exhaust
5 122434X	Tube Manifold Lh
6 122435X	Tube Manifold Rh
7 138129	Clamp Tube Double Engine
8 150176	Bolt 5/16-18unc x 3/4 w/sems
10 145552	Heat Shield Lt
13 805024	Gasket Manifold vanguard B&S
14 13280336	Nipple Pipe 4-1/2"
15 13200300	Elbow Std 90 Degree 3/8-18 Npt
16 STD551237	Washer Lock Ext Tooth 3/8
23 159880	Shield Brn/Dbr Guard
25 145996	Control Choke
26 73920600	Nut Keps 3/8-24 UNF
29 137180	Arrestor Spark
31 157103	Tank Fuel
32 161696	Cap Fuel Guage
33 123487X	Clamp Hose Blk
34 106082X	Spacer, Pad
35 17060512	Screw 5/16-18 x 3/4
37 8543R	Line Fuel
38 -----	Plug Oil Drain (See Engine Breakdown)
39 109227X	Pad Idler
78 17490620	Screw Thdrol 3/8-16 x 1-1/4 Tytt
81 128861	Nut Flange 1/4-20 Starter Nut
103 805158	Screw Manifold Vanguard B&S

NOTE: All component dimensions given in U. S.
inches 1 inch = 25/4 mm

TRACTOR -- MODEL NUMBER 917.270813

SEAT ASSEMBLY



KEY PART NO. NO.

KEY PART NO.	NO.	DESCRIPTION
1	140123	Seat
2	140551	Bracket Pivot Seat 8 720
3	STD523710	Bolt Fin Hex 3/8-16unc X 1
4	19131610	Washer 13/32 X 1 X 10 Ga
5	145006	Clip Push-In Hinged
6	STD541437	Nut Hex Lock w/Ins 3/8-16 Unc
7	124181X	Spring Seat Cprsn 2 250 Blk Zi
8	17060616	Screw Thdrol 3/8-16 X 1.5
9	19131614	Washer 13/32 X 1 X 14 Ga
10	155925	Pan Seat
11	166369	Knob Seat Adj Wingnut
12	121246X	Bracket Mounting Switch

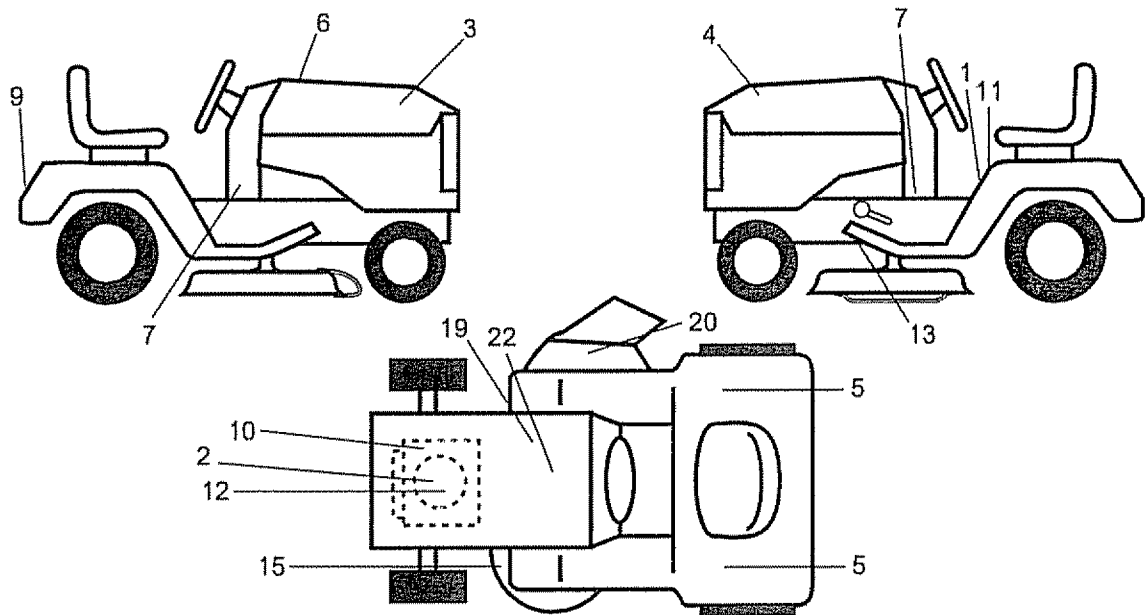
KEY PART NO. NO.

KEY PART NO.	NO.	DESCRIPTION
13	121248X	Bushing Snap Blk Nyl 50 Id
14	72050412	Bolt Rdhd Sht Nk 1/4-20x1-1/2
15	134800	Spacer Split 28x 96 Yel Zinc
16	121250X	Spring Cprsn 1 27 Blk Pnt
17	123976X	Nut Lock 1/4 Lge Fig Gr 5 Zinc
21	153236	Bolt Shoulder 5/16-18 Unc
22	STD541431	Nut Crown Lock 5/16-18
24	19171912	Washer 17/32 X 1-3/16 X 12 Ga
25	127018X	Bolt Shoulder 5/16-18 X 62

NOTE: All component dimensions given in U. S. inches 1 inch = 25/4 mm

TRACTOR--MODEL NUMBER 917.270813

DECALS



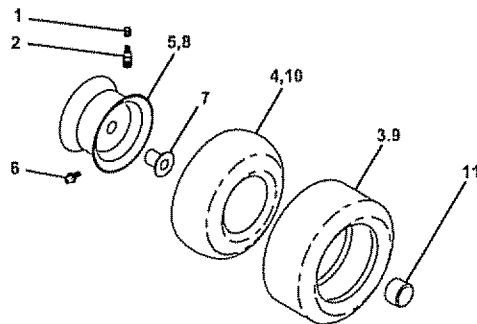
KEY PART NO. NO.

KEY PART NO. NO.	DESCRIPTION
1 156439	Decal Fender Danger Sears
2 160876	Decal, Engine B&S
3 163200	Decal Hood RH Craftsman
4 163202	Decal Hood LH Craftsman
5 163207	Decal Fender
6 133644	Decal Maintenance
7 163259	Decal Panel Dash
9 163204	Decal, Fender Craftsman Gold
10 160879	Decal engine Radius
11 156368	Decal Fender STLT Oper Inst

KEY PART NO. NO.

KEY PART NO. NO.	DESCRIPTION
12 160880	Decal engine Air Cleaner
13 146046	Decal V-Belt Dr Sch tractor
15 160396	Decal Mower Drive Schem
19 138047	Decal Battery Diehard Sears
20 166887	Decal Deck Mower EZ3
22 149516	Decal Battery
-- 138311	Decal Handle Lft Height Adjust (Lift Handle)
-- 154515	Pad Footrest LH STLT
-- 154516	Pad Footrest RH STLT
-- 169461	Owner's Manual, English
-- 169462	Owner's Manual, Spanish

WHEELS AND TIRES



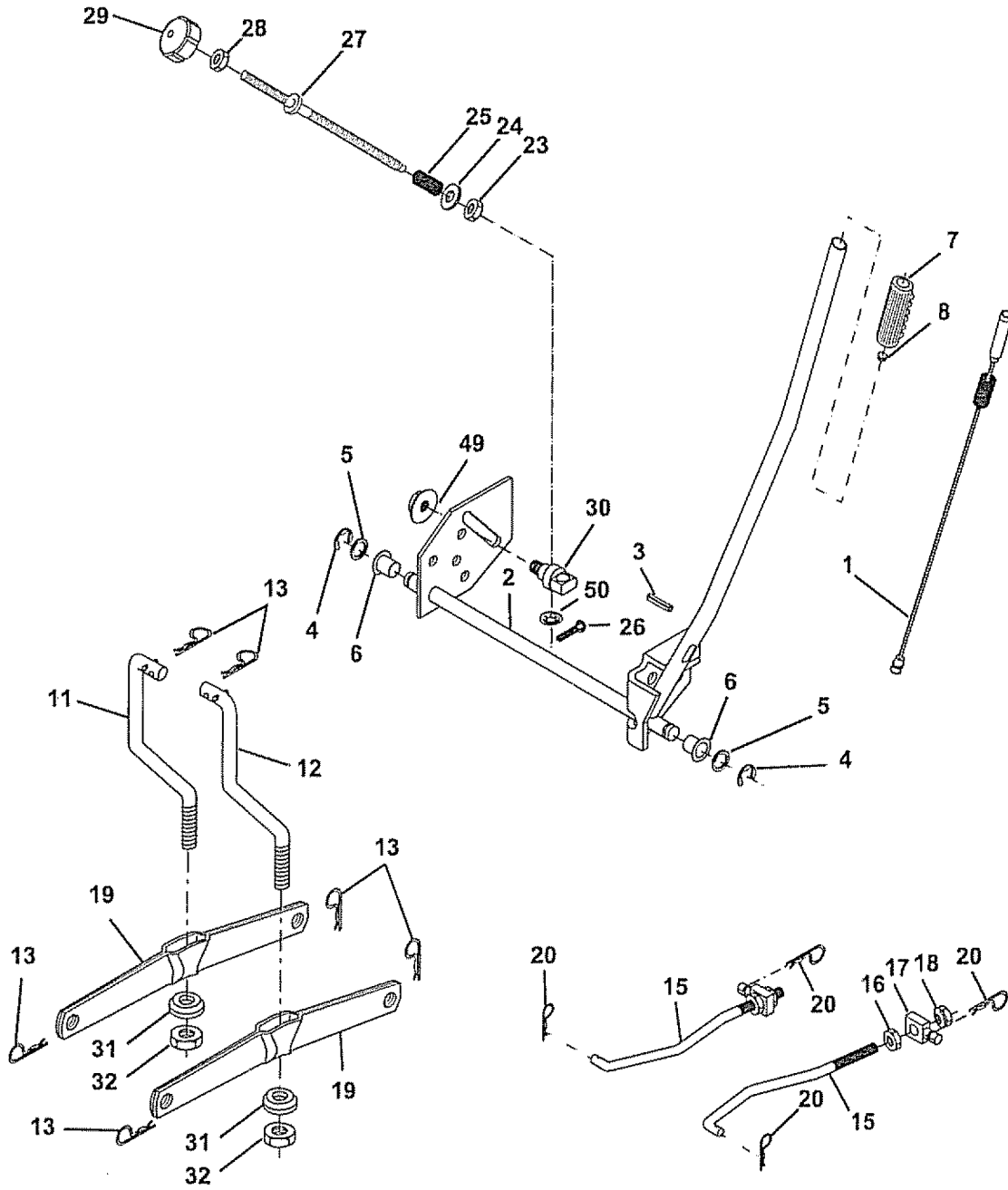
KEY PART NO. NO.

KEY PART NO. NO.	DESCRIPTION
1 59192	Cap Valve Tire
2 65139	Stem Valve
3 106222X	Tire F Ts 15 X 6 0 - 6 Service
4 59904	Tube Front (Service Item Only)
5 106732X427	Rim Asm 6" front White Service
6 278H	Fitting Grease (Front Wheel Only)
7 9040H	Bearing Flange (front Wheel Only)
8 106108X427	Rim Asm 8" rear White Service
9 122082X	Tire Rear
10 7152J	Tube Rear (Service Item Only)
11 104757X	Cap Axle Blk 1 50 X 1 00
-- 144334	Sealant, Tire (10 oz. Tube)

NOTE: All component dimensions given in U. S. inches 1 inch = 25/4 mm

TRACTOR -- MODEL NUMBER 917.270813

LIST ASSEMBLY



TRACTOR -- MODEL NUMBER 917.270813

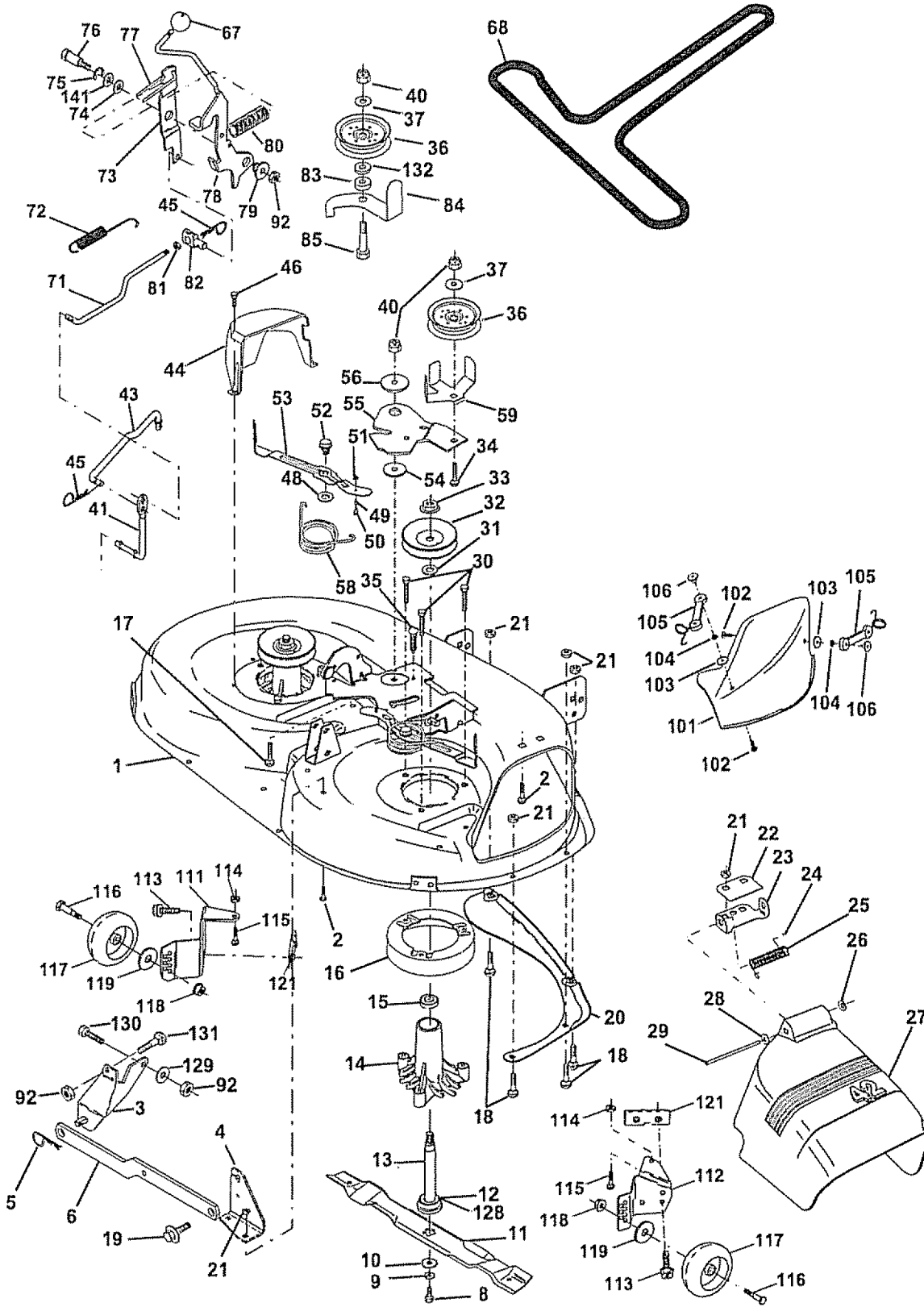
LIST ASSEMBLY

KEY PART NO.	NO.	DESCRIPTION
1	159460	Wire Asm Inner/Sprg W/plunger LT
2	159471	Handle asm Lift LH
3	105767X	Pin Groove
4	12000002	E Ring #5133-62
5	19211621	Washer PLTD 21/32 X 1 X 21ga
6	120183X	Bearing Nylon Blk 629 Id
7	125631X	Grip Handle
8	122365X	Button Plunger Red
11	139865	Link Lift LH
12	139866	Link Lift RH
13	STD624008	Retainer Spring
15	127218	Link Front
16	73350800	Nut Jam Hex 1/2-13 Unc
17	130171	Trunnion Blk Zinc
18	73680800	Nut Crownlock 1/2-13unc
19	139868	Arm Suspension Rear
20	163552	Retainer Spring
23	110807X	Nut, Special
24	19131016	Washer 13/32 x 5/8 x 16 Ga
25	2876H	Spring
26	76020308	Pin Colter 3/32 x 1/2
27	126971X	Rod, Adjust Lift
28	73350600	Nut Hex Jam 3/8-16 Unc
29	138057	Knob Inf 3/8-16
30	150233	Trunnion, Inf Height
31	140302	Bearing Pivot Spherical
32	73540600	Nut Crownlock 3/8-24
49	145212	Nut Flange Lock
50	110452X	Nut Push Phos & Oil

NOTE: All component dimensions given in U. S.
Inches 1 inch = 25/4 mm

TRACTOR--MODEL NUMBER 917.270813

MOWER DECK



TRACTOR -- MODEL NUMBER 917.270813

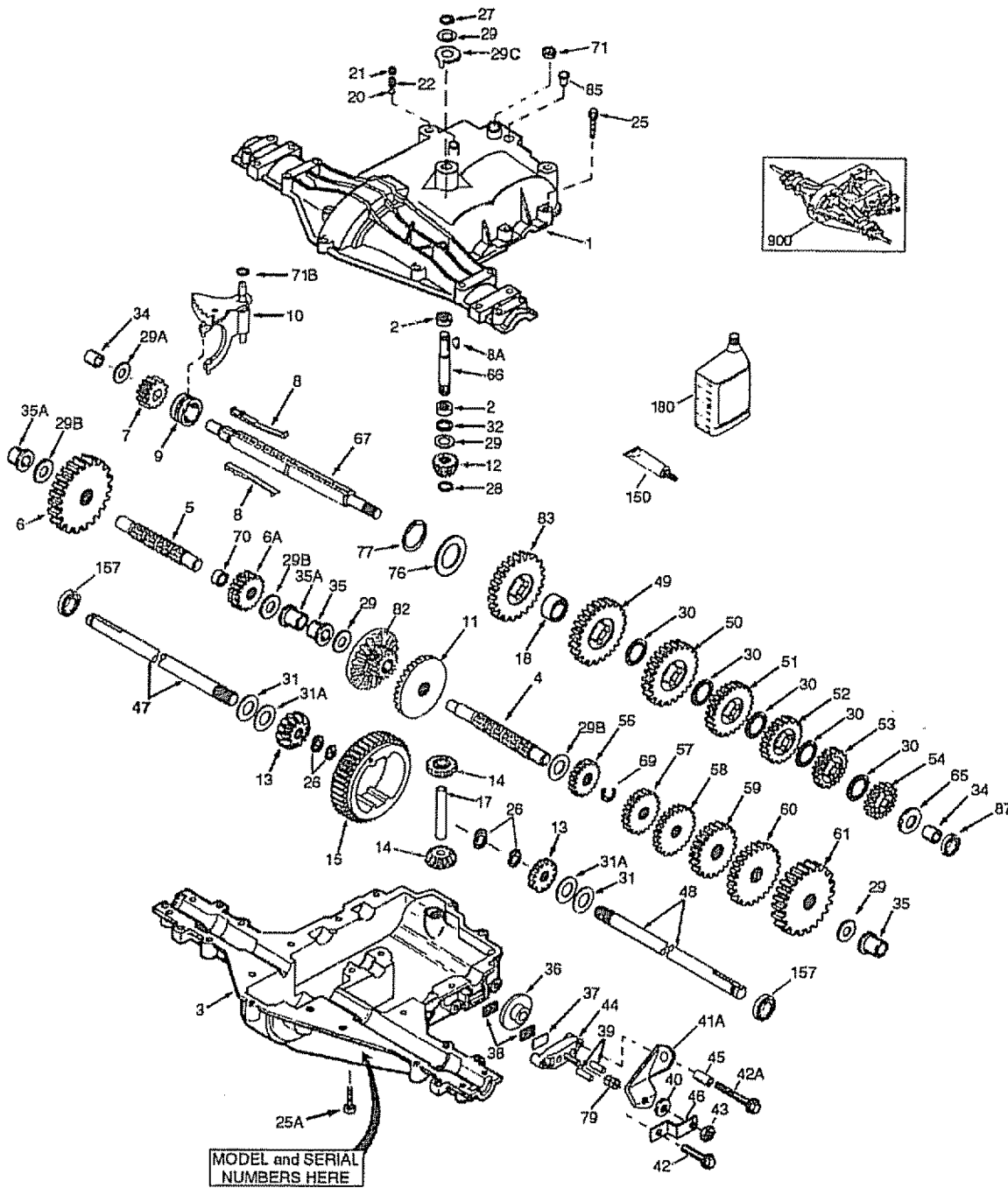
MOWER DECK

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 164961	Mower Housing	56 122052X	Spacer Retainer Pm Mower
2 STD533107	Bolt Rdhd Sqnk 5/16-18unc X3/4	58 140086	Spring Torsion Brakes 42"
3 138017	Bracket Asm Fr Sway Bar 38/42	59 141043	Guard TUV Idler
4 138440	Bracket Asm Deck 42" sway Bar	67 162113	Knob Oval
5 STD624008	Retainer Spring	68 144200	V-Belt Mower
6 130832	Arm Suspension Rear	71 142427	Rod Clutch Primary 38/42
8 850857	Bolt 3/8-24 X 1 1/4	72 131870	Spring Return
9 STD551137	Washer Lock Hvy 3/8	73 127847	Arm Clutch Secondary
10 140296	Washer Hard Blade Mower Vented	74 121748X	Washer 25/32 X 1-5/8 X 16 Ga
11 134149	Blade Mulching 42"	75 12000029	Ring Klip #15304-75
12 129895	Bearing Ball	76 128903	Bolt Shoulder 3/8-16 Unc 1 44
13 137645	Shaft Asm W/lower Bearing	77 127845	Keeper Spring 4 000
14 128774	Housing Mandrel Vented	78 160570	Lever Asm CL PRI MECH RH P/L
15 110485X	Bearing Ball Mandrel	79 127498	Bushing 747 Od X 794 Lg Brass
16 140329	Stripper Mower Vented	80 153701	Spring Clutch Mower
17 72110610	Bolt Rdhd Sqnk 3/8-16 X 1-1/4	81 73350600	Nut Hex Jam 3/8-16 Unc
18 72140505	Bolt Rdhd Sqnk 5/16-18 X 5/8	82 142028	Trunnion Adj
19 132827	Bolt Shoulder	83 120958X	Washer Sintered
20 159770	Baffle Vortex 42	84 156084	Keeper Belt Idler
21 STD541431	Nut Crownlock 5/16-18 UNC	85 72140620	Bolt RHDH SQ 3/8-16 x 2-1/2
22 134753	Stiffener Bracket 42" deck	92 STD541437	Nut Lock Hex W/Inx 3/8-16 UNC
23 131267	Bracket Deflector Mower 42"	101 136420	Mulcher Cover
24 105304X	Cap Sleeve 80x 112 Blk Mower	102 71161010	Screw
25 123713X	Spring Torsion Deflector 2 52	103 19061216	Washer #10
26 110452X	Nut Push Phos & Oil	104 STD551110	Washer, Lock #10
27 130968	Shield Deflector Mower 42" Blk	105 160793	Latch Assembly Bagger
28 19111016	Washer 11/32 X 5/8 X 16 Ga	106 2029J	Nut Weld
29 131491	Rod Hinge 42" 6 75 Wlg	111 155197	Bracket Gauge Wheel LH
30 157722	Screw Thdrof Washer Head	112 155198	Bracket Gauge Wheel RH
31 129963	Washer Spacer Mower Vented	113 17060512	Screw 5/16-18 X 3/4
32 153535	Pulley Mandrel 42/44/50	114 STD541431	Nut Keps 5/16-18 Unc
33 137266	Nut 9/16 Top Lock Fling	115 72110504	Bolt Carr 5/16-unc X 1/2
34 STD533717	Bolt Rdhd 3/8-16uncx1-3/4 Gr5	116 4898H	Bolt Shoulder
35 133835	Fastner Christmas Tree	117 165746	Wheel Gauge
36 131494	Pulley Idler Flat 3 060	118 73930600	Nut Crownlock 3/8-16 Unc
37 STD551037	Washer 13/32 x 13/16 x 16 Ga	119 STD551037	Washer 12/32 x 14/16 x 12 Ga.
40 STD541437	Nut Crownlock 3/8-16UNC	121 143723	Bracket Extruded Gauge Wheel
41 133551	Rod Pivot W/nibs	128 153390	Washer Felt
43 140083	Rod Clutch Secondary W/nibs	129 19131312	Washer 13/32 X 13/16 x 12 Ga.
44 140088	Guard Mandrel LH Black	130 STD523710	Bolt Fin Hex 3/8-16 Unc x 1 Gr 5
45 STD624003	Spring Retainer 1" Zinc/cad	131 STD533710	Bolt RDHD SQNK 3/8-16 UNC x 1
46 137729	Screw Hex Thd Cut	132 19132203	Spacer Washer 13/32 OD X 1-3/8 X 1/4
48 133944	Washer Hardened Smaller	141 6266H	Washer Thrust
49 155066	Roller Asm Cam Follower 42" dec	-- 130794	Mandrel Asm Service (Includes Key Nos 8-10, 12-15, 31 and 33)
50 131340	Bolt Shldr 10-24 Zinc Gr 5 42"	-- 164963	Deck Serv (Std Deck - Order seperately gauge wheel components key nos 111-121)
51 STD541410	Nut Lock #10-24 Unc		
52 139888	Bolt Shoulder 5/16-18 Unc Blkz		
53 131845	Arm Asm Pad Brake		
54 133943	Washer Hardened		
55 155046	Arm Idler 42" mower LT/YT		

NOTE: All component dimensions given in U. S.
inches 1 inch = 25/4 mm

TRACTOR --MODEL NUMBER 917.270813

PEERLESS TRANSAXLE--MODEL NUMBER 206-545C



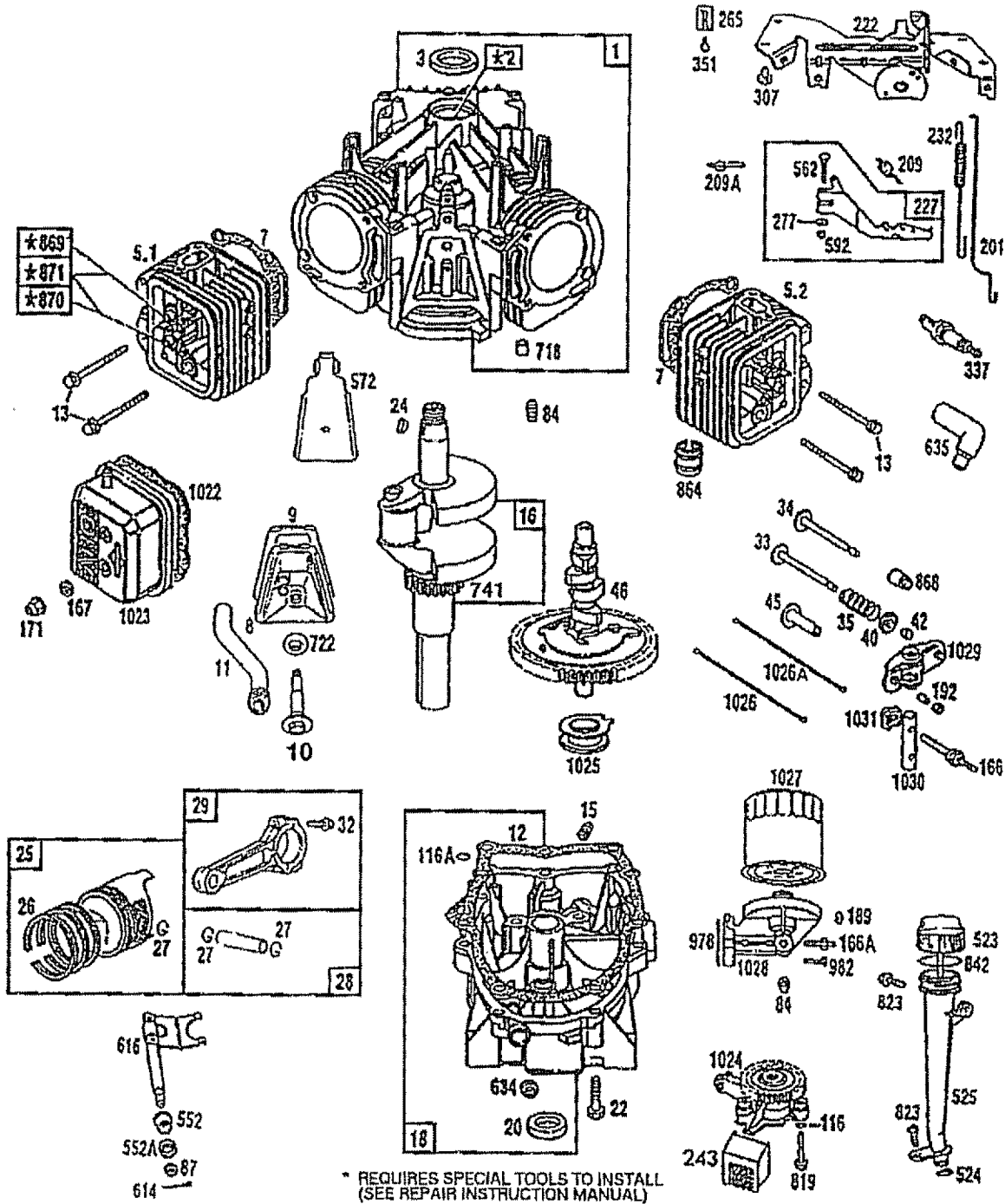
TRACTOR--MODEL NUMBER 917.270813
PEERLESS TRANSAXLE--MODEL NUMBER 206-545C

REF PART NO. NO.	DESCRIPTION	REF PART NO. NO.	DESCRIPTION		
1	772147	41A	790079	Transaxle Cover	Brake Lever
2	780086A	42	792073A	Needle Bearing 5/8"	Screw 1/4 - 20 x 1-1/4"
3	770128	42A	792085A	Transaxle Case	Screw 1/4 - 20 x 2 1/4"
4	776395	43	792075	Countershaft	Locknut 5 / 16 - 24
5	776409	44	790025	Output Shaft	Brake Pad Holder
6	778364	45	786066	Spur Gear (38 teeth)	Spacer .2625 x 1.0
6A	778369	46	786086	Spur Gear (15 teeth)	Brake Lever Bracket
7	778330	47	774690	Spur Gear (11 teeth)	Axle (11-15 / 16" Long)
8	792180	48	774691	Shift Key	Axle (16 - 1 / 2" long)
8A	792047	49	778356	Woodruff Key #9	Spur Gear (29 teeth)
9	784352	50	778338	Shift Collar	Spur Gear (27 teeth)
10	784378	51	778354	Shift Rod & Fork	Spur Gear (23 teeth)
11	778334	52	778352	Bevel Gear (30 teeth)	Spur Gear (19 teeth)
12	778309	53	778350	Input Bevel Pinion (13 teeth)	Spur Gear (16 teeth)
13	778368	54	778346	Bevel Gear (13 teeth)	Spur Gear (15 teeth)
		56	778355	(Include. 14)	Spur Gear (11 teeth)
14	778368	57	778337	Bevel Pinion (13 teeth)	Spur Gear (13 teeth)
		58	778353	(Include 13)	Spur Gear (17 teeth)
15	778370	59	778351	Ring Gear (43 teeth)	Spur Gear (21 teeth)
17	786188	60	778349	Drive Pin	Spur Gear (24 teeth)
18	786102	61	778345	Spacer 1.130 X .695	Spur Gear (25 teeth)
20	792077A	65	780189	Ball 5/16" dia	Flat Washer
21	792078			Set Screw 3/8 - 16 x 3/8"	.563 ID x .062W
22	792079	66	776422	Spring .310 OD x .625 L	Input Shaft
25	792073A	67	776396	Screw 1/4 - 20 x 1-1/4"	Shifter & Brake Shaft
25A	792177	69	792170	Screw 1/4-20 x 1-3/8"	Retaining Ring
26	792125	70	786187	Retaining Ring (pkg of 2)	Spacer .890
27	792035	71	788069	Retaining Ring	Square Cut Ring
28	788040	71B	788092	Retaining Ring	"O" Ring
29	780072	76	780090	Thrust Washer	Flat Washer
				.627 ID x .031W	1.128 ID x .058W
29A	780160	77	788078A	Thrust Washer	Inverted Retaining Ring
		79	792144	.762 ID x .031W	Spring 430 OD x 5000 L
29B	780051	82	778333	Thrust Washer	Bevel & Spur Gear
				.762 ID x .031W	(30 & 13 teeth)
29C	780199	83	778338	Anti-Rotation Washer .632	Spur Gear (27 teeth)
30	780108	85	792154	Cup Washer	Oil Fill Plug
		87	788089A	1.127 ID x .032W	Oil Seal 9 / 16"
31	780001	150	788093A	Flat Washer	Liquid Gasket RTV Silicone
		157	788088A	.750 ID x .056W	Oil Seal 3 / 4"
		180	730229A	(Use As Needed)	Gear Oil 80W90
31A	780195	900	794712	Flat Washer	Replacement MST
				.750 ID x .062W	- 206-545C Transaxle
32	788083			Oil Seal 5/8"	
34	780194			Bushing .563	
35	780193			Flanged Bushing 5 / 8" ID	
35A	780197			Flanged Bushing .751	
36	790075			Brake Disk	
37	790007			Brake Pad Plate	
38	799021			Brake Pad (pkg of 2)	
39	786026			Dowel Pin	
40	792076A			Flat Washer	
				.312 ID x .059W	

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

TRACTOR -- MODEL NUMBER 917.270813

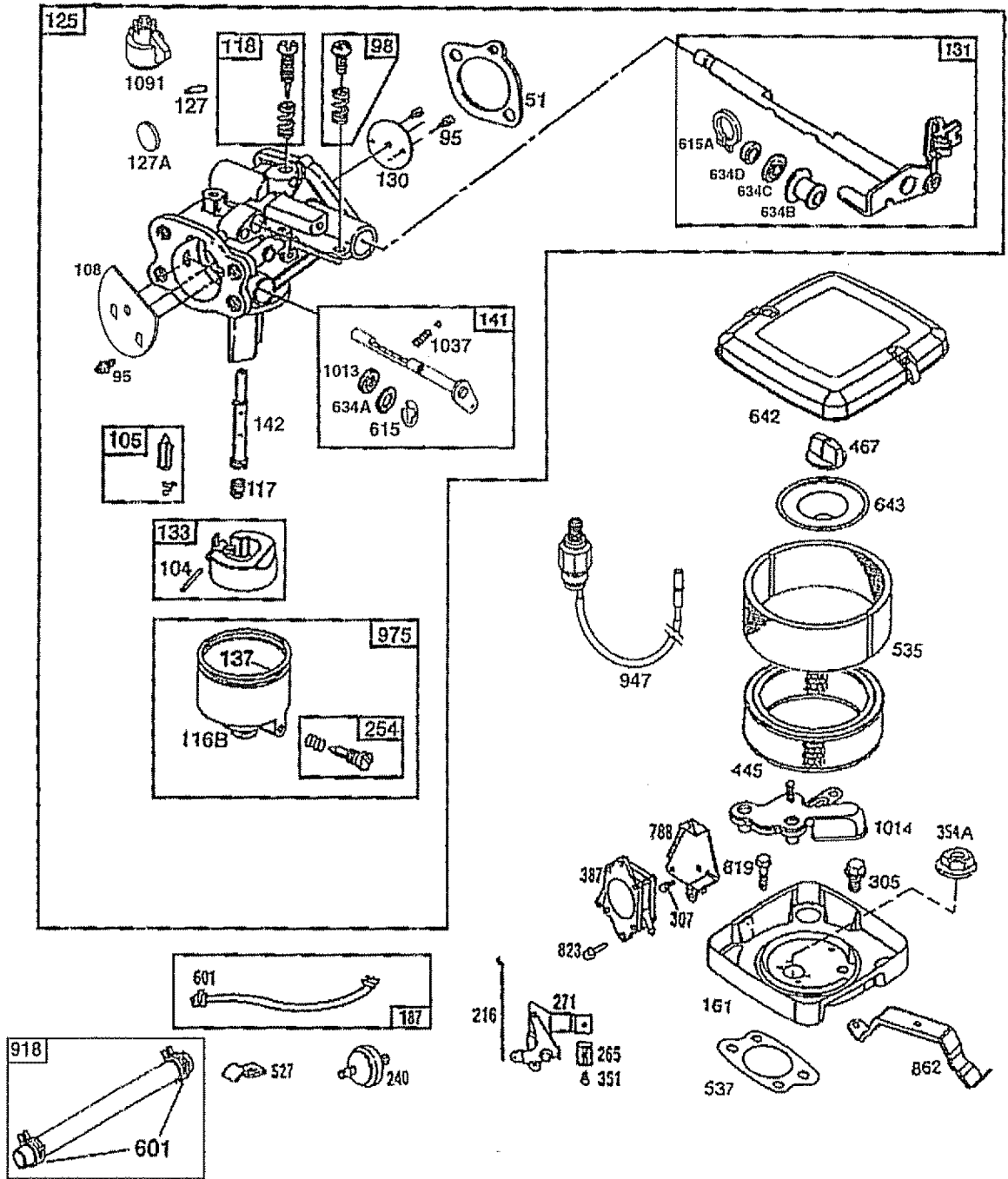
BRIGGS & STRATTON ENGINE-MODEL NUMBER 350777, TYPE NUMBER 1034-A1



* REQUIRES SPECIAL TOOLS TO INSTALL (SEE REPAIR INSTRUCTION MANUAL)

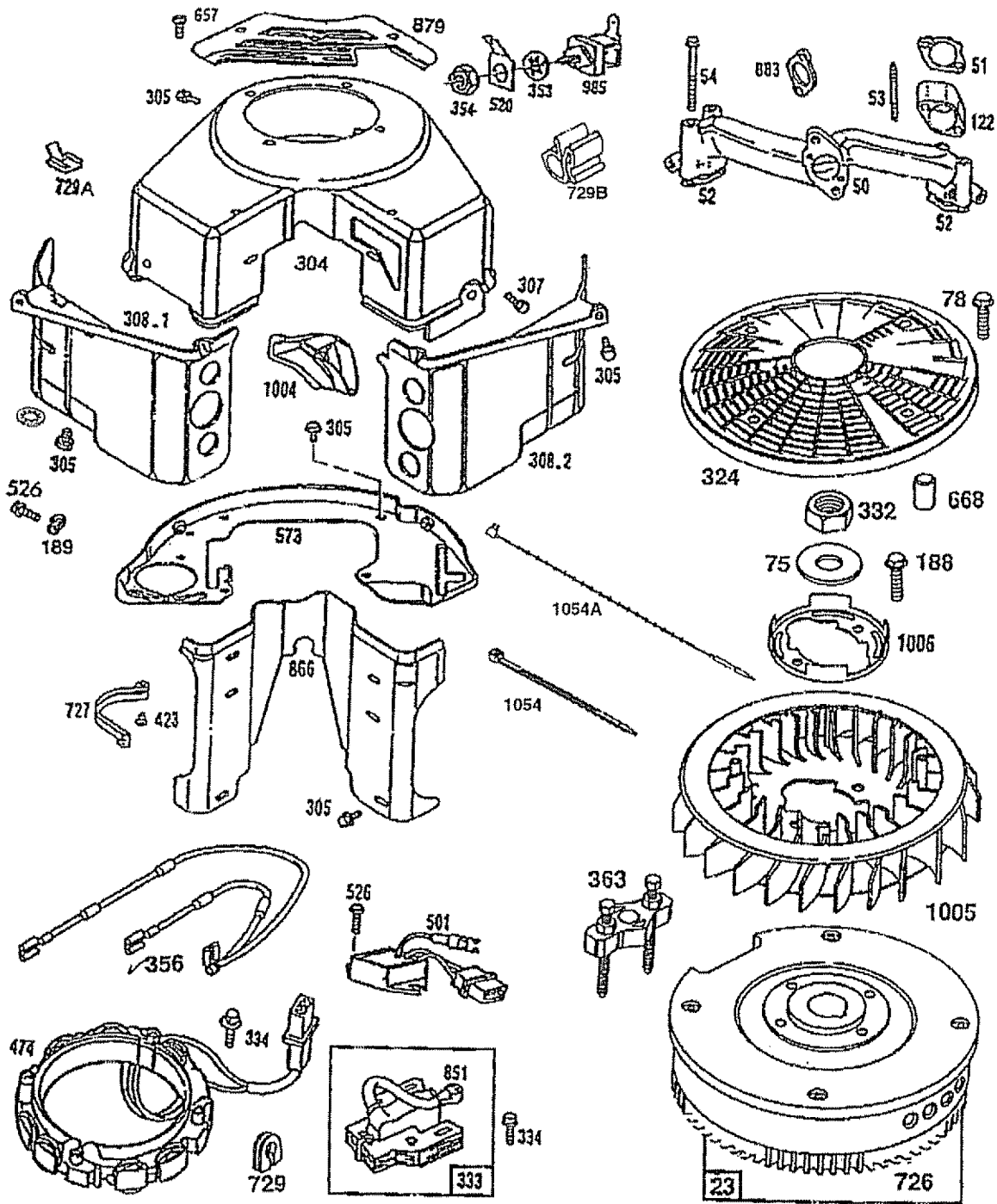
TRACTOR --MODEL NUMBER 917.270813

BRIGGS & STRATTON ENGINE-MODEL NUMBER 350777, TYPE NUMBER 1034-A1



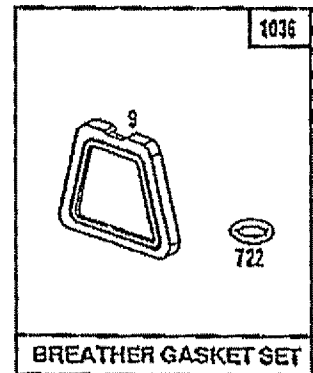
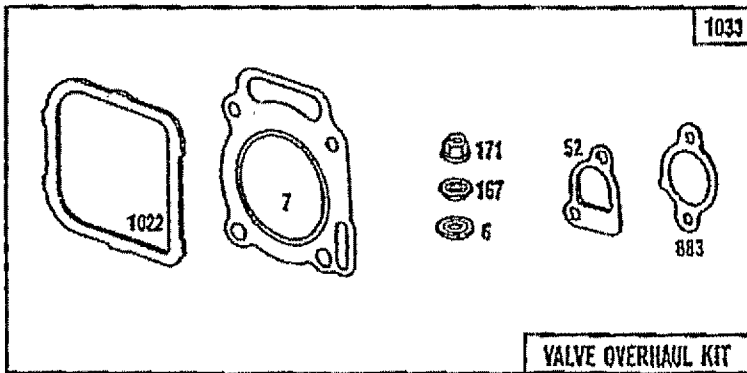
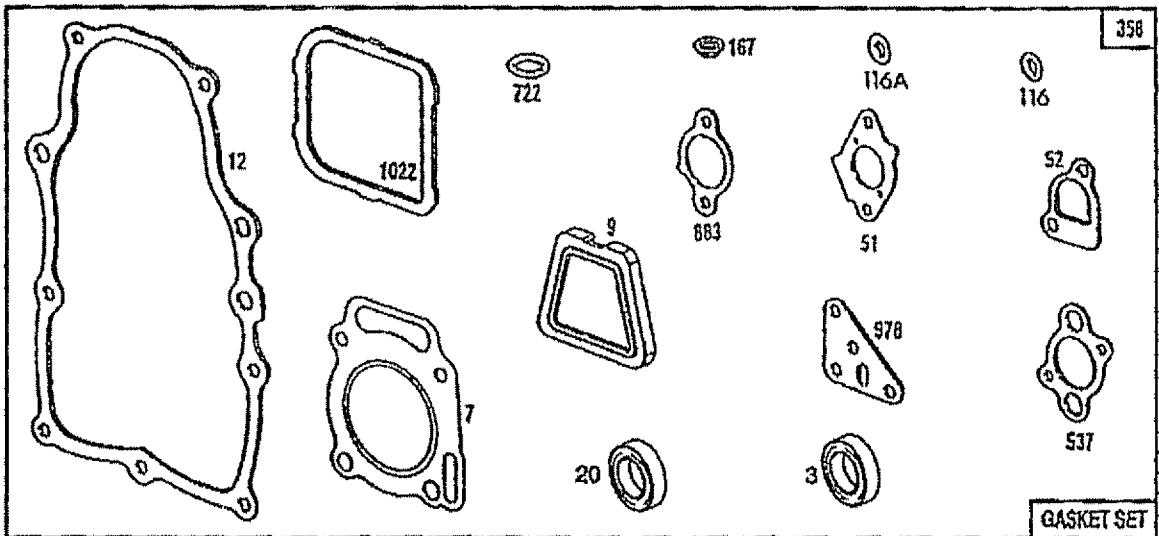
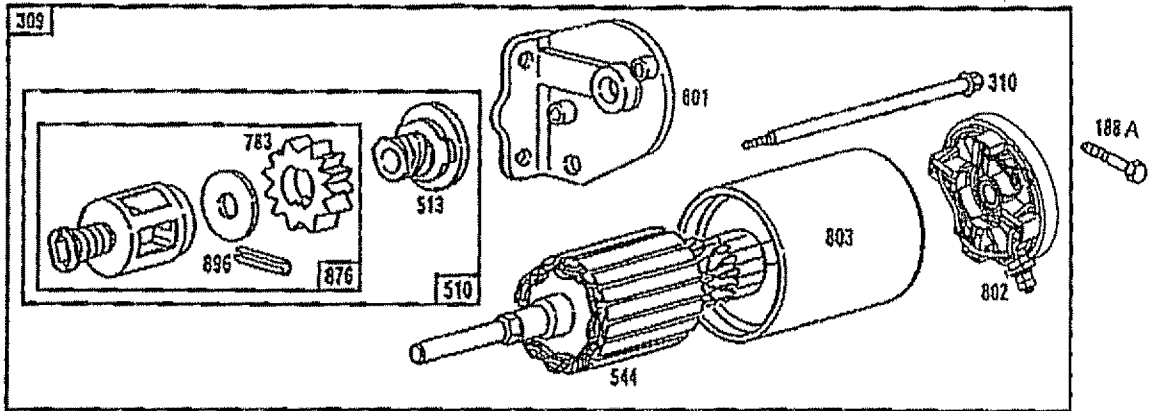
TRACTOR--MODEL NUMBER 917.270813

BRIGGS & STRATTON ENGINE-MODEL NUMBER 350777, TYPE NUMBER 1034-A 1



TRACTOR -- MODEL NUMBER 917.270813

BRIGGS & STRATTON ENGINE-MODEL NUMBER 350777, TYPE NUMBER 1034-A1



TRACTOR -- MODEL NUMBER 917.270813

BRIGGS & STRATTON ENGINE-MODEL NUMBER 350777, TYPE NUMBER 1034-A1

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION	
1	807787	Cylinder Assembly	108 805562	Valve, Choke
2	805107	Bearing, Cylinder	116 805058 *	O-Ring, Oil Pump
3	805101 *	Seal, Oil	116A 805198 *	O-Ring, Crankcase Cover
5.1	807821	Head, Cylinder, Cylinder #1	116B 224531 **	Washer, Bowl
5.2	807822	Head, Cylinder, Cylinder #2	117 806109 **	Jet, Main
7	805653 ****	Gasket, Cylinder Head	118 808374 **	Valve, Idle Adjusting Needle
8	807795	Breather Assembly	121 807708	Carburetor Overhaul Kit
9	805379 *	Gasket, Breather	122 805674	Spacer, Carburetor
10	805751	Screw	125 808372	Carburetor Assembly
11	805362	Tube, Breather	127 805570	Plug, Welch
12	805112 *	Gasket, Crankcase Cover	127A 805571	Plug, Welch
13	805097	Screw, Cylinder Head	130 808572	Valve, Throttle
15	805048	Plug, Oil Drain	131 808375	Shaft, Throttle Assembly
16	807779	Crankshaft	133 807710	Float, Bowl
	94196	Key, Timing Gear Retaining	137 --- **	Gasket, Bowl (Sold in Kit Only)
18	807638	Cover Assembly, Crankcase	141 807711	Shaft, Choke
20	805049 *	Seal, Oil	142 806110 **	Nozzle, Carburetor
22	805696	Screw, Crankcase Cover	161 807857	Base, Air Cleaner
23	808132	Flywheel, Magneto	166 805343	Stud, Rocker Arm
24	805016	Key, Flywheel	166A 805073	Stud, Oil Filter Adapter
25	807888	Piston Assembly, Standard	167 805420 ****	Washer, Valve Cover
	807991	Piston Assembly, .010"	171 805019 ***	Nut, Nylock
		Oversize	187 393815	Hose, Fuel, 11" Long
	807992	Piston Assembly, .020"	296004	Hose, Fuel, 23" Long
		Oversize		(Cut to Required Length)
	807993	Piston Assembly, .030"	188 94627	Screw, Fan Retainer
		Oversize		Mounting
26	807889	Ring Set, Piston, Standard	188A 805247	Screw, Starter Mounting
		Size	189 805449	Washer, Lock
	807994	Ring Set, Piston, .010"	192 807623	Screw, Valve Adjustment
		Oversize		(Includes Jam Nut)
	807995	Ring Set, Piston, .020"	201 805480	Link, Governor
		Oversize	209 805462	Spring, Governor
	807996	Ring Set, Piston, .030"	209A 805453	Spring, Governed Idle
		Oversize	216 805439	Link, Choke
27	805099	Lock, Piston Pin	222 808195	Bracket, Governor Control
28	807886	Pin Assembly, Piston,	227 807528	Lever Assembly, Governor
		Standard	232 805465	Spring, Governor Link
			240 493629	Filter, Fuel
29	807900	Rod Assembly, Connecting	243 805964	Screen, Oil
32	805395	Screw, Connecting Rod	254 807713	Drain, Carburetor Bowl
33	805089	Valve, Exhaust	265 221535	Clamp, Casing
34	805090	Valve, Intake	271 808145	Bracket, Choke Control
35	805078	Spring, Valve	277 805018	Washer
37	805506	Cover, Starter	304 808220	Housing, Blower, Black
40	805092	Retainer, Valve Spring	305 805406	Screw, Sems
42	805161	Retainer, Valve	307 805025	Screw, Sems
45	262679	Tappet, Valve	308 1808309	Cover, Air Guide, Cylinder
46	807542	Gear, Cam		#1
50	805772	Manifold, Intake	308 2808098	Cover, Air Guide, Cylinder
51	805700 *	Gasket, Carburetor Mounting		#2
52	805023 ****	Gasket, Intake Manifold	309 494990	Motor, Starting
53	805669	Stud, Carburetor Mounting	310 94004	Bolt
54	805006	Screw, Sems		
75	805007	Washer, Spring		
78	805447	Screw, Sems	*	Included in Gasket Set (807887)
84	914889	Plug, Pipe	**	Included in Carburetor Overhaul Kit (807708)
87	805054	Seal, Governor Shaft	***	Included in Valve Overhaul Kit (807910)
95	805561	Screw, Valve Mounting	****	Included in both Gasket Set (807887), and Valve Overhaul Kit (807910)
95A	94466	Screw, Valve Mounting		
98	807705	Screw, Throttle Adjustment		
104	805586 **	Pin, Float Hinge		
105	807706 **	Fuel Inlet Assembly		

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

TRACTOR --MODEL NUMBER 917.270813

BRIGGS & STRATTON ENGINE-MODEL NUMBER 350777, TYPE NUMBER 1034-A1

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
324	494439	Screen, Rotating	819	805057	Screw, Sems
332	806028	Nut, Hex	823	805317	Screw, Mounting
333	492341	Armature, Magneto	842	270920	O-Ring
334	806104	Screw, Mounting	851	473880	Terminal, Ignition Cable
337	491055	Plug, Spark	862	807859	Bracket, Air Cleaner
351	805169	Screw, Hex Head	864	805083	Liner, Exhaust Port
353	94791	Washer, Lock	866	805738	Valley Cover, Air Guide
353A	806101	Washer, Lock	868	805094	Seal, Valve Guide
354	90576	Nut, Hex	869	805085	Seat, Intake Valve
354A	810078	Nut, Hex	870	805086	Seat, Exhaust Valve
356	493792	Wire, Ground	871	805084	Guide, Valve
358	807887	Gasket Set	876	495877	Retainer Kit
363	19203	Puller, Flywheel	879	805841	Cover, Carburetor
387	808322	Pump, Fuel	883	805024	**** Gasket, Exhaust Manifold
423	805260	Screw, Sems	896	94288	Pin, Roll
445	394018	Cartridge, Air Cleaner	918	393815	Line, Vacuum
467	491875	Knob, Air Cleaner	947	808154	Solenoid
474	393295	Stator, Alternator	975	807913	Bowl, Fuel Assembly
501	394890	Regulator, Alternator	977	807916	Gasket Set, Carburetor (Consists of Key Numbers 116B and 137)
510	495878	Drive Assembly			
513	398003	Clutch Assembly			
520	93722	Terminal, Spade	978	805250	* Gasket, Oil Filter Adapter
523	807985	Dipstick	982	805030	Screw, Sems
524	805011	Seal, Filler Tube	985	398525	Insulator Assembly
525	807611	Tube, Oil Filler	1004	805632	Tube, Air Inlet
526	805448	Screw, Regulator Mounting	1005	808082	Fan, Flywheel
527	223167	Clamp, Fuel Pipe	1006	224413	Retainer, Fan
535	272490	Element, Foam	1013	805581	** Seal, Choke Shaft
537	805655	* Gasket, Air Cleaner			
544	490309	Armature Assembly	1014	807963	Shield, Carburetor
552	805412	Bushing, Governor Shaft	1022	806039	**** Gasket, Valve Cover
552A	805413	Bushing, Governor Shaft	1023	805100	Cover, Valve
562	805381	Bolt		807665	Cover, Valve (Used on Cylinder #1 on Fuel Pump Applications)
572	805197	Baffle, Breather			
573	807663	Back Plate Assembly			
592	805383	Nut, Hex	1024	807546	Oil Pump Assembly
601	93053	Clamp, Hose	1025	805313	Slider, Governor
613	805158	Screw, Sems	1026	805352	Rod, Push(Intake)
614	806096	Pin, Cotter	1026A	805617	Rod, Push (Exhaust)
615	808578	** Retainer	1027	492932	Filter, Oil
615A	808577	** Retainer	1028	805292	Adapter, Oil Filter
616	807596	Fork, Governor	1029	808096	Arm, Rocker
634	805416	Washer, Governor Shaft	1030	805342	Shaft, Rocker Arm
634A	805580	** Shaft Seal Kit	1031	805341	Support, Rocker Arm
634B	805574	** Collar, Throttle Shaft	1033	807910	Overhaul Kit, Valve
634C	806079	Seal, Throttle Shaft	1036	807688	Breather Gasket Set
634D	805576	** Washer, Plain	1037	807217	** Ball, Choke Locator
635	805529	Elbow, Spark Plug	1054	280275	Tie, Cable
642	807862	Cover, Air Cleaner	1054A	270723	Tie, Cable
643	805631	Plate, Cartridge	1058	272104	Manual, Operator's
657	805009	Screw, Sems	1091	805858	Cap, Limiter
668	805402	Spacer, Rotating Screen			
718	805103	Dowel, Crankcase			
722	805483	* Seal, Breather Screw			
726	807805	Gear, Flywheel Ring			
727	805505	Shield, Starter			
729	805641	Grommet			
729A	224356	Clip, Debris			
729B	280470	Clip, Wire			
741	805675	Gear, Timing			
783	280104	Gear			
788	807685	Bracket, Fuel Pump			
801	394856	Cap Assembly, Drive End			
802	494988	Cap Assembly, Commutator End			
803	494205	Housing Assembly			

RPM Settings: Low Speed: 1200-1600
High Speed: 3200-3400

* Included in Gasket Set (807887)

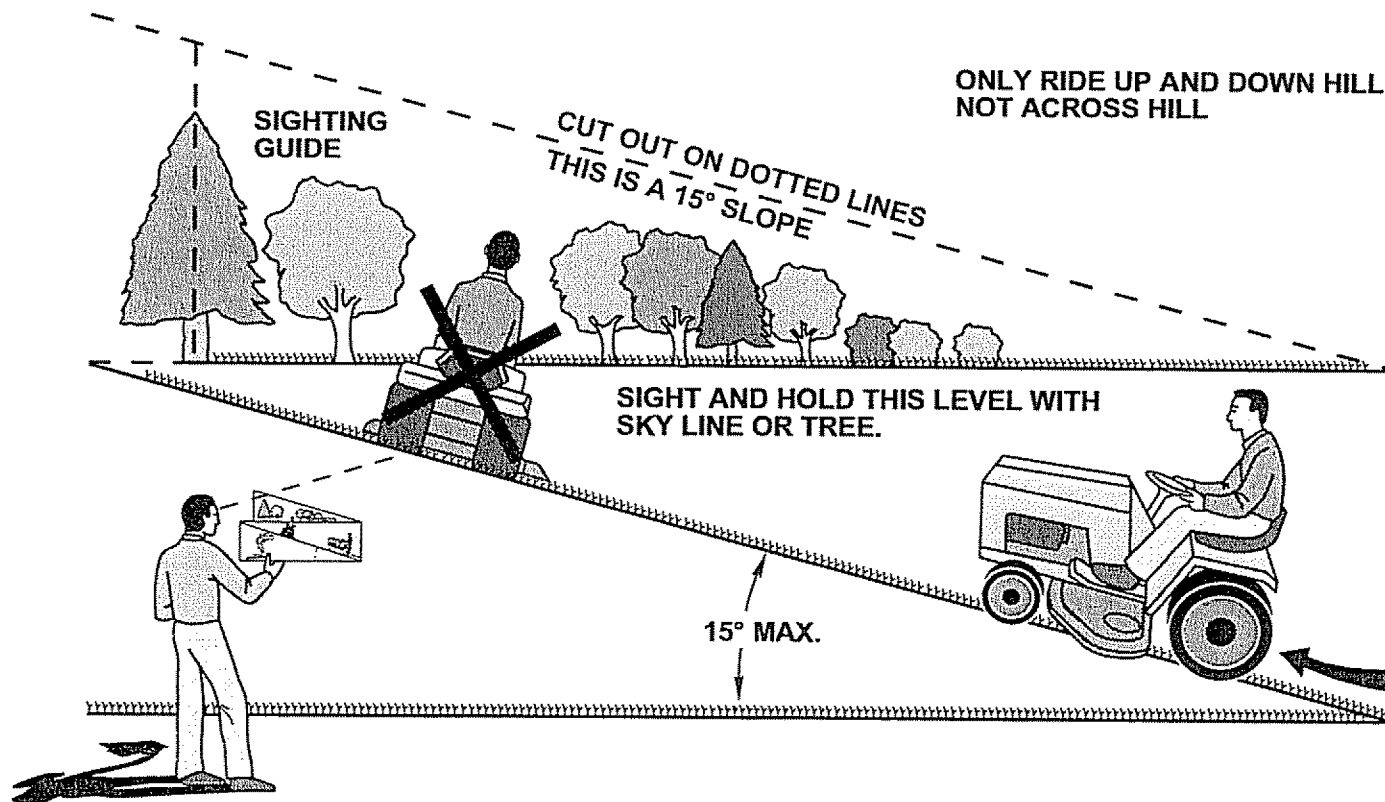
** Included in Carburetor Overhaul Kit (807708)

*** Included in Valve Overhaul Kit (807910)

**** Included in both Gasket Set (807887), and Valve Overhaul Kit (807910)

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

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



Operate your Tractor up and down the face of slopes (not greater than 15°), never across the face. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

For in-home major brand repair service:

Call 24 hours a day, 7 days a week

1-800-4-MY-HOMESM (1-800-469-4663)

Para pedir servicio de reparación a domicilio

1-800-676-5811

In Canada for all your service and parts needs call

Au Canada pour tout le service ou les pièces

1-800-665-4455

For the repair or replacement parts you need:

Call 6 am - 11 pm CST, 7 days a week

PartsDirectSM

1-800-366-PART (1-800-366-7278)

Para ordenar piezas con entrega a domicilio

1-800-659-7084

**For the location of a Sears Parts and Repair Center
in your area:**

Call 24 hours a day, 7 days a week

1-800-488-1222

**For information on purchasing a Sears Maintenance
Agreement or to inquire about an existing Agreement:**

Call 9 am - 5 pm, Monday - Saturday

1-800-827-6655

