Owner's Manual
SAFETY RULES

Safe Operation Practices for Ride-On Mowers

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.

I. GENERAL OPERATION

- Read, understand, and follow all instructions on the machine and in the manual before starting.
- Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- 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 blades.
- Be sure the area is clear of bystanders before operating. 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 direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blades when crossing gravel surfaces.

- Do not operate machine without the entire grass catcher, discharge guard, or other safety devices in place and working.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Disengage blades when not mowing. Shut off engine and wait for all parts to come to a complete stop before cleaning the machine, removing the grass catcher, or unclogging the discharge guard.
- Operate machine 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.
- Always wear eye protection when operating the machine.
- Use extra care while operating machine with grass catchers or other attachments; they can affect the stability of the machine. Do not allow the mower deck to plow leaves or other debris which can cause build-up to occur. Clean any oil or fuel spillage before operating or storing the machine. Allow machine to cool before storing.

II. SLOPE OPERATION

Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or death. Operation on all slopes requires extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

- Mow up and down slopes, not across.
- Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Choose a low ground speed so that you will not have to stop or shift while on the slope.
- Do not mow on wet grass. Tires may lose traction. Always keep the machine in gear when going downhill. Do not shift to neutral and coast downhill.
- Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly straight down the slope.
- Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction, which could cause the machine to roll over.
- Use extra care while operating machine with grass catchers or other attachments; they can affect the stability of the machine. Do no use on steep slopes.
- Do not try to stabilize the machine by putting your feet on the ground.
- Do not mow near drop-offs, ditches, or embankments. The machine could suddenly roll over if a wheel is over the edge or if the edge caves in.
SAFETY RULES

III. CHILDREN
Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.
- Keep children out of the mowing area and in the watchful care of a responsible adult other than the operator.
- Be alert and turn machine off if a child enters the area.
- Before and while backing, look behind and down for small children.
- Never carry children, even with the blades shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

IV. TOWING
- Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the hitch point.
- Follow the manufacturer’s recommendation for weight limits for towed equipment and towing on slopes.
- Never allow children or others in or on towed equipment.
- On slopes, the weight of the towed equipment may cause loss of traction and loss of control.
- Travel slowly and allow extra distance to stop.

V. SERVICE
SAFE HANDLING OF GASOLINE
To avoid personal injury or property damage, use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.
- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only approved gasoline container.
- Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never fuel the machine indoors.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliances.
- Never fill containers inside a vehicle or on a truck or trailer bed with plastic liner. Always place containers on the ground away from your vehicle when filling.
- Remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a gasoline dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.
- If fuel is spilled on clothing, change clothing immediately.
- Never overfill fuel tank. Replace gas cap and tighten securely.

GENERAL SERVICE
- Never operate machine in a closed area.
- Keep all nuts and bolts tight to be sure the equipment is in safe working 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 and remove any fuel-soaked debris. Allow machine to cool before storing.
- If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.
- Never make any adjustments or repairs with the engine running.
- Check grass catcher components and the discharge guard frequently and replace with manufacturer’s recommended parts, when necessary.
- Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.
- Maintain or replace safety and instruction labels, as necessary.

- Be sure the area is clear of bystanders before operating. 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, even with the blades shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.
- Keep children out of the mowing area and in the watchful care of a responsible adult other than the operator.
- Be alert and turn machine off if a child enters the area.
- Before and while backing, look behind and down for small children.
- Mow up and down slopes (15° Max), not across.
- Choose a low ground speed so that you will not have to stop or shift while on the slope.
- Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly straight down the slope.
- If machine stops while going uphill, disengage blades, shift into reverse and back down slowly.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
### PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gasoline Capacity and Type</td>
<td>4.0 Gallons Unleaded Regular</td>
</tr>
<tr>
<td>Oil Type (API-SG-SL)</td>
<td>SAE 30 (above 32°F)</td>
</tr>
<tr>
<td></td>
<td>SAE 5W-30 (below 32°F)</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>w/Filter 3.5 Pints</td>
</tr>
<tr>
<td></td>
<td>w/o Filter 3.0 Pints</td>
</tr>
<tr>
<td>Spark Plug (Gap: .030&quot;)</td>
<td>Champion RC12YC</td>
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<tr>
<td>Ground Speed (MPH)</td>
<td>Forward: 5.5</td>
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<tr>
<td></td>
<td>Reverse: 2.4</td>
</tr>
<tr>
<td>Tire Pressure</td>
<td>Front: 14 PSI</td>
</tr>
<tr>
<td></td>
<td>Rear: 10 PSI</td>
</tr>
<tr>
<td>Charging System</td>
<td>9 Amps @ 3600 RPM</td>
</tr>
<tr>
<td>Battery</td>
<td>AMP/HR: 28</td>
</tr>
<tr>
<td></td>
<td>Min. CCA: 230</td>
</tr>
<tr>
<td></td>
<td>Case Size: U1R</td>
</tr>
<tr>
<td>Blade Torque</td>
<td>27-35 FT. LBS.</td>
</tr>
</tbody>
</table>

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

Should you experience any problem you cannot easily remedy, please contact your nearest authorized service center/department. 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”.

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UNASSEMBLED PARTS

Steering Wheel
- Steering Wheel
- Steering Wheel Adapter
- Steering Wheel Insert

Key
- (2) Keys

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

Slope Sheet
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.

TOOLS REQUIRED FOR ASSEMBLY
A socket wrench set will make assembly easier. Standard wrench sizes are listed.
(1) 3/4" wrench  
(2) 1/2" wrenches  
Pliers  
Tire pressure gauge  
Utility knife

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON
- Remove all accessible loose parts and parts cartons from carton.
- Cut along dotted lines on all four panels of carton. Remove end panels and lay side panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE REMOVING TRACTOR FROM SKID

ATTACH STEERING WHEEL (See Fig. 1)
- Remove locknut and large flat washer from steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto steering wheel adapter.
- Secure steering wheel to steering shaft with locknut and large flat washer previously removed. 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.

INSTALL SEAT (See Fig. 2)
Adjust seat before tightening adjustment knob.
- Remove adjustment knob and flat washer securing seat to cardboard packing and set aside for assembly of seat to tractor.
- Pivot seat upward and remove from the cardboard packing. Remove the cardboard packing and discard.
- Place seat on seat pan so head of shoulder bolt is positioned over large slotted hole in pan.
- Push down on seat to engage shoulder bolt in slot and pull seat towards rear of tractor.
- Pivot seat and pan forward and assemble adjustment knob and flat washer loosely. Do not tighten.
- 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.
NOTE: You may now roll or drive your tractor off the skid. Follow the appropriate instruction below to remove the tractor from the skid.

TO ROLL TRACTOR OFF SKID (See Operation section for location and function of controls)
- Press lift lever plunger and raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place freewheel control in “transmission disengaged position” (See “TO TRANSPORT” in the Operation section of this manual).
- Roll tractor forward off skid.
- Remove banding holding the deflector shield up against tractor.

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

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.
- Place freewheel control in “transmission engaged” position (see “TO TRANSPORT” in Operation section of this manual).
- Sit on seat in operating position, depress clutch/brake pedal and set the parking brake.
- Place motion control 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.
- Release parking brake.
- Slowly move the motion control lever forward and slowly drive tractor off skid.
- Apply brake to stop tractor, set parking brake and place motion control lever in neutral position.
- Turn ignition key to “STOP” position.
Continue with the instructions that follow.

CHECK BATTERY (See Fig. 3)
- 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 the Maintenance section of this manual for charging instructions).

FIG. 2

FIG. 3

CHECK BATTERY (See Fig. 3)
- 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 the Maintenance section of this manual for charging instructions).
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 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.
✓ Before driving tractor, be sure freewheel control is in “transmission engaged” position (see “TO TRANSPORT” in the Operation section of this manual).

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:
✓ Engine oil is at proper level.
✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
✓ Become familiar with all controls, their location and function. Operate them before you start the engine.
✓ Be sure brake system is in safe operating condition.
✓ Be sure Operator Presence System and Reverse Operation System (ROS) are working properly (See the Operation and Maintenance sections in this manual).
✓ It is important to purge the transmission before operating your tractor for the first time. Follow proper starting and transmission purging instructions (See “TO START ENGINE” and “PURGE TRANSMISSION” in the Operation section of this manual).
These symbols may appear on your tractor or in literature supplied with the product. Learn and understand their meaning.

**DANGER** indicates a hazard which, if not avoided, will result in death or serious injury.

**WARNING** indicates a hazard which, if not avoided, could result in death or serious injury.

**CAUTION** indicates a hazard which, if not avoided, might result in minor or moderate injury.

**CAUTION** when used without the alert symbol, indicates a situation that could result in damage to the tractor and/or engine.

**HOT SURFACES** indicates a hazard which, if not avoided, could result in death, serious injury and/or property damage.

**FIRE** indicates a hazard which, if not avoided, could result in death, serious injury and/or property damage.
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.

FIG. 4

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

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

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

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

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

FREEWHEEL CONTROL - Disengages transmission for pushing or slowly towing the tractor with the engine off.

HOURMETER - Indicates hours of operation.

IGNITION SWITCH - Used for starting and stopping the engine.

LIGHT SWITCH - Turns the headlights on and off.

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

MOTION CONTROL LEVER - Selects the speed and direction of tractor.

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

REVERSE OPERATION SYSTEM (ROS) “ON” POSITION - Allows operation of mower deck or other powered attachment while in reverse.

THROTTLE/CHOKE CONTROL - Used for starting and controlling engine speed.
The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety glasses.

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig. 5)
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 “ENGAGED” position and release pressure from clutch/brake pedal. Pedal should remain in “BRAKE” position. Make sure parking brake will hold tractor secure.

Depress clutch/brake pedal into full “BRAKE” position and hold.
Place parking brake lever in “ENGAGED” position and release pressure from clutch/brake pedal. Pedal should remain in “BRAKE” position. Make sure parking brake will hold tractor secure.

TO USE THROTTLE CONTROL (See Fig. 5)
Always operate engine at full throttle.
- Operating engine at less than full throttle reduces the battery charging rate.
- Full throttle offers the best bagging and mower performance.

TO MOVE FORWARD AND BACKWARD (See Fig. 5)
The direction and speed of movement is controlled by the motion control lever.
- Start tractor with motion control lever in neutral (N) position.
- Release parking brake.
- Slowly move motion control lever to desired position.

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 5)
The position of the attachment lift lever determines the cutting height.
- Grasp lift lever.
- Press plunger with thumb and move lever to desired position.

NOTE: Failure to move throttle control between half and full speed (fast) position, before stopping may cause engine to “backfire”.
- Turn ignition key to “STOP” position and remove key. Always remove key when leaving tractor to prevent unauthorized use.
- Never use choke to stop engine.
OPERATION

TO ADJUST GAUGE WHEELS (See Fig. 6)
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.

NOTE: 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 (See Fig. 7)
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. You must remain fully and centrally positioned in the seat to prevent the engine from hesitating or cutting off when operating your equipment on rough, rolling terrain or hills.

- Select desired height of cut.
- 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 deflector shield in place.

REVERSE OPERATION SYSTEM (ROS)
Your tractor is equipped with a Reverse Operation System (ROS). Any attempt by the operator to travel in the reverse direction with the attachment clutch engaged will shut off the engine unless ignition key is placed in the ROS “ON” position.

WARNING: Backing up with the attachment clutch engaged while mowing is strongly discouraged. Turning the ROS “ON”, to allow reverse operation with the attachment clutch engaged, should only be done when the operator decides it is necessary to reposition the machine with the attachment engaged. Do not mow in reverse unless absolutely necessary.

USING THE REVERSE OPERATION SYSTEM -
- Move motion control lever to neutral (N) position.
- With engine running, turn ignition key counterclockwise to ROS “ON” position.
- Look down and behind before backing.
- Slowly move motion control lever to reverse (R) position to start movement.
- When use of the ROS is no longer needed, turn the ignition key clockwise to engine “ON” position.

TO OPERATE ON HILLS

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

TO TRANSPORT (See Figs. 4 and 8)
When pushing or towing your tractor, be sure to disengage transmission by placing freewheel control in freewheeling position. Free wheel control is located at the rear drawbar of tractor.
- Raise attachment lift to highest position with attachment lift control.
- Pull freewheel control out and down into the slot and release so it is held in the disengaged position.
- Do not push or tow tractor at more than two (2) MPH.
- To reengage transmission, reverse above procedure.

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 ENGINE
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.

TO START ENGINE (See Fig. 4)
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.
- Be sure freewheel control is in the transmission engaged position.
- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- Place motion control lever in neutral (N) position.
- Move attachment clutch to “DISENGAGED” position.
- Move throttle control to choke position.

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, move throttle control to fast position, wait a few minutes and try again. If engine still does not start, move the throttle control back to the choke position and retry.

WARM WEATHER STARTING (50°F and above)
- When engine starts, move the throttle control to the fast position.
OPERATION

- 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, allow engine to run with the throttle control in the choke position until the engine runs roughly, then move throttle control to fast position. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.

AUTOMATIC TRANSMISSION WARM UP
- Before driving the unit in cold weather, the transmission should be warmed up as follows:
  - Be sure the tractor is on level ground.
  - Place the motion control lever in neutral. Release the parking brake and let the clutch/brake slowly return to operating position.
  - Allow one minute for transmission to warm up. This can be done during the engine warm up period.
- The attachments can also be used during the engine warm-up period after the transmission has been warmed up.

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.

PURGE TRANSMISSION

CAUTION: Never engage or disengage freewheel lever while the engine is running.

To ensure proper operation and performance, it is recommended that the transmission be purged before operating tractor for the first time. This procedure will remove any trapped air inside the transmission which may have developed during shipping of your tractor.

IMPORTANT: SHOULD YOUR TRANSMISSION REQUIRE REMOVAL FOR SERVICE OR REPLACEMENT, IT SHOULD BE PURGED AFTER REINSTALLATION BEFORE OPERATING THE TRACTOR.
- Place tractor safely on level surface with engine off and parking brake set.
- Disengage transmission by placing freewheel control in freewheeling position (See “TO TRANSPORT” in this section of manual).
- Sitting in the tractor seat, start engine. After the engine is running, move throttle control to slow position. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal.
- Move motion control lever to full forward position and hold for five (5) seconds. Move lever to full reverse position and hold for five (5) seconds. Repeat this procedure three (3) times.

NOTE: During this procedure there will be no movement of drive wheels. The air is being removed from hydraulic drive system.

- Move motion control lever to neutral (N) position. Shut-off engine and set parking brake.
- Engage transmission by placing freewheel control in engaged position (See “TO TRANSPORT” in this section of manual).
- Sitting in the tractor seat, start engine. After the engine is running, move throttle control to half (1/2) speed. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal.
- Slowly move motion control lever forward, after the tractor moves approximately five (5) feet, slowly move motion control lever to reverse position. After the tractor moves approximately five (5) feet return the motion control lever to the neutral (N) position. Repeat this procedure with the motion control lever three (3) times.
- Your transmission is now purged and now ready for normal operation.

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 machine. 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 (See Fig. 9).
- 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.
MAINTENANCE

MAINTENANCE SCHEDULE

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<tr>
<th>TRACTOR</th>
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<th>EVERY 25 HOURS</th>
<th>EVERY 50 HOURS</th>
<th>EVERY 100 HOURS</th>
<th>EVERY SEASON</th>
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<td>✔ Check Transaxle Cooling</td>
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</tbody>
</table>

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 - Replace blades more often when mowing in sandy soil.
4 - Not required if equipped with maintenance-free battery.
5 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not overtighten.

GENERAL RECOMMENDATIONS

The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your tractor.

At least once a season, check to see if you should make any of the adjustments described in the Service and Adjustments section of this manual.

- At least 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 ROS systems for proper operation.
- Check for loose fasteners.

LUBRICATION CHART

GENERAL PURPOSE GREASE

REFER TO MAINTENANCE "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS. VISCIOUS 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.
MAINTENANCE

TRACTOR
Always observe safety rules when performing any maintenance.

BRAKE OPERATION
If tractor requires more than five (5) feet to stop at highest speed in highest gear on a level, dry concrete or paved surface, then brake must be checked and 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 AND REVERSE OPERATION SYSTEM (ROS)
Be sure operator presence and reverse operation systems are working properly. If your tractor does not function as described, repair the problem immediately.
- The engine should not start unless the brake pedal is fully depressed, and the attachment clutch control is in the disengaged position.

CHECK OPERATOR PRESENCE SYSTEM
- 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.

CHECK REVERSE OPERATION (ROS) SYSTEM
- When the engine is running with the ignition switch in the engine “ON” position and the attachment clutch engaged, any attempt by the operator to shift into reverse should shut off the engine.
- When the engine is running with the ignition switch in the ROS “ON” position and the attachment clutch engaged, any attempt by the operator to shift into reverse should NOT shut off the engine.

ROS “ON” POSITION ENGINE “ON” POSITION (NORMAL OPERATING)

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

CAUTION: Use only a replacement blade approved by the manufacturer of your tractor. Using a blade not approved by the manufacturer of your tractor is hazardous, could damage your tractor and void your warranty.

BLADE REMOVAL (See Fig. 10)
- Raise mower to highest position to allow access to blades.
- Remove blade bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.

IMPORTANT: TO ENSURE PROPER ASSEMBLY, CENTER HOLE IN BLADE MUST ALIGN WITH STAR ON MANDREL ASSEMBLY.
- Reassemble blade bolt, lock washer and flat washer in exact order as shown.
- Tighten blade bolt securely (27-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS HEAT TREATED. IF BOLT NEEDS REPLACING, REPLACE ONLY WITH APPROVE BOLT SHOWN IN THE REPAIR PARTS.

TRAILING EDGE UP

TO SHARPEN BLADE (See Fig. 11)
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.
MAINTENANCE

- 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.

**FIG. 11**

**CENTRAL HOLE**

5/8" BOLT OR PIN

BLEADE

**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**

The transmission fan and cooling fins should be kept clean to assure proper cooling.

Do not attempt to clean fan or transmission while engine is running or while the transmission is hot. To prevent possible damage to seals, do not use high pressure water or steam to clean transaxle.

- Inspect cooling fan to be sure fan blades are intact and clean.
- Inspect cooling fins for dirt, grass clippings and other materials. To prevent damage to seals, do not use compressed air or high pressure sprayer to clean cooling fins.

**TRANSAXLE PUMP FLUID**

The transaxle was sealed at the factory and fluid maintenance is not required for the life of the transaxle. Should the transaxle ever leak or require servicing, contact your nearest authorized service center/department.

**ENGINE**

**LUBRICATION**

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

**SAE VISCOSITY GRADES**

<table>
<thead>
<tr>
<th>Temperature (°F)</th>
<th>SAE Viscosity</th>
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<tbody>
<tr>
<td>-30</td>
<td>5W-30</td>
</tr>
<tr>
<td>-20</td>
<td>5W-30</td>
</tr>
<tr>
<td>0</td>
<td>5W-30</td>
</tr>
<tr>
<td>10</td>
<td>SAE 10</td>
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<tr>
<td>20</td>
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<td>90</td>
<td>SAE 30</td>
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<tr>
<td>100</td>
<td>SAE 30</td>
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**NOTE:** Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, they 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** (See Figs. 12 and 13)

Determine temperature range expected before oil change. All oil must meet API service classification SG-SL.

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

**OIL DRAIN VALVE**

CLOSED AND LOCKED POSITION

YELLOW CAP

DRAIN TUBE

**FIG. 13**

**FIG. 12**

**NOTE:**
MAINTENANCE

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

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.

AIR FILTER
Your engine will not run properly using a dirty air filter. Service air cleaner more often under dusty conditions. See Engine Manual.

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.

MUSSLER
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 (See Fig. 14)
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.
SERVICE AND ADJUSTMENTS

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

• Depress clutch/brake pedal fully and set parking brake.
• Place motion control lever in neutral (N) position.
• Place attachment clutch in “DISENGAGED” position.
• Turn ignition key to “STOP” 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 (See Fig. 15)
Mower will be easier to remove from the right side of tractor.
• Place attachment clutch switch in “DISENGAGED” position.
• Move attachment lift lever forward to lower mower to its lowest position.
• Roll belt off electric clutch pulley.
• 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 (See Fig. 15)

• Raise attachment lift lever to its highest position.
• Slide mower under tractor with deflector shield to right side of tractor.
• Lower lift lever to its lowest position.
• Connect front links to mower deck and secure with retainer springs.
• Connect suspension arms to rear deck brackets and secure with retainer springs.
• Connect anti-swaybar to chassis bracket and secure with retainer spring.
• Install belt into electric clutch pulley groove.

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 (See Figs. 16 and 17)
- 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: Three full turns of adjustment nut will change mower height about 1/8".
- Recheck measurements after adjusting.

FRONT-TO-BACK ADJUSTMENT (See Figs. 18 and 19)
IMPORTANT: Deck must be level side-to-side. If the following front-to-back adjustment is necessary, be sure to adjust both front links equally so mower will stay level side-to-side.

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

Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.
- Before making any necessary adjustments, check that both front links are equal in length.
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nuts "E" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns. The two front links must remain equal in length.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.

BETTER 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 instructions.
- Install mower in reverse order of removal instructions.
SERVICE AND ADJUSTMENTS

TO CHECK AND ADJUST BRAKE

(See Fig. 21)

Your tractor is equipped with an adjustable brake system which is mounted on the right side of the transaxle.

If tractor requires more than five (5) feet to stop at highest speed in highest gear on a level, dry concrete or paved surface, then brake must be checked and adjusted.

TO CHECK BRAKE

- Park tractor on a level, dry concrete or paved surface, depress clutch/brake pedal all the way down and engage parking brake.
- Disengage transmission by placing freewheel control in “transmission disengaged” position. Pull freewheel control out and into the slot and release so it is held in the disengaged position.

The rear wheels must lock and skid when you try to manually push the tractor forward. If the rear wheels rotate, the brake needs to be adjusted or the pads need to be replaced.

TO ADJUST BRAKE

- Depress clutch/brake pedal all the way down and engage parking brake.
- Measure distance between brake operating arm and nut “A” on brake rod.
- If distance is other than 1-9/16”, loosen jam nut and turn nut “A” until distance becomes 1-9/16”. Retighten jam nut against nut “A”.
- Engage transmission by placing freewheel control in “transmission engaged” position.
- Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than five (5) feet in highest gear, further maintenance is necessary. Replace brake pads or contact a qualified service center.

BELT REMOVAL -

- Remove mower (See “TO REMOVE MOWER” in this section of manual).

NOTE: Observe entire motion drive belt and position of all belt guides and keepers.
- Disconnect clutch wire harness.
- Remove clutch locator.
- Remove belt from stationary idler and clutching idler.
- Remove belt downward from engine pulley and around electric clutch.
- Pull belt slack toward rear of tractor. Carefully remove belt upwards from transmission input pulley and over cooling fan blades.
- Remove belt from center span keeper and pull belt away from tractor.

BELT INSTALLATION -

- Carefully work new belt down around transmission cooling fan and onto the input pulley.
- Slide belt into the center span keeper.
- Pull belt toward front of tractor and roll belt around electric clutch and onto engine pulley.
- Install belt through stationary idler and clutching idler.
- Reinstall clutch locator and tighten nut securely.
- Reconnect clutch harness.
- Make sure belt is in all pulley grooves and inside all belt guides and keepers.
- Install mower (See “TO INSTALL MOWER” in this section of manual).

TO REPLACE MOTION DRIVE BELT

(See Fig. 22)

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

WITH PARKING BRAKE “ENGAGED”

NUT “A”

JAM NUT

DO NOT TOUCH THIS NUT. IF FURTHER BRAKE ADJUSTMENT IS NECESSARY CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER/DEPARTMENT

FIG. 21

TRANSAXLE MOTION CONTROL LEVER NEUTRAL ADJUSTMENT (See Fig. 23)

The motion control lever has been preset at the factory and adjustment should not be necessary.
- Loosen adjustment bolt in front of the right rear wheel, and lightly tighten.
- Start engine and move motion control lever until tractor does not move forward or backward.
SERVICE AND ADJUSTMENTS

- Hold motion control lever in that position and turn engine off.
- While holding motion control lever in place, loosen the adjustment bolt.
- Move motion control lever to the neutral (N) (lock gate) position.
- Tighten adjustment bolt securely.

NOTE: If additional clearance is needed to get to adjustment bolt, move mower deck height to the lowest position.

After above adjustment is made, if the tractor still creeps forward or backward while motion control lever is in neutral position, follow these steps:
- Loosen the adjustment bolt.
- Move the motion control lever 1/4 to 1/2 inch in the direction it is trying to creep.
- Tighten adjustment bolt securely.
- Start engine and test.
- If tractor still creeps, repeat above steps until satisfied.

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

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

IMPORTANT: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

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

TO REMOVE CABLES, REVERSE ORDER -
- BLACK cable first from chassis and then from the fully charged battery.
- RED cable last from both batteries.

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.

TRANSMISSION REMOVAL/REPLACEMENT
Should your transmission require removal for service or replacement, it should be purged after reinstallation and before operating the tractor. See “PURGE TRANSMISSION” in the Operation section of this manual.

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
(See Fig. 24)
- 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.

TO START ENGINE WITH A WEAK BATTERY
(See Fig. 25)

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

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

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

IMPORTANT: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

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

TO REMOVE CABLES, REVERSE ORDER -
- BLACK cable first from chassis and then from the fully charged battery.
- RED cable last from both batteries.
SERVICE AND ADJUSTMENTS

REPLACING BATTERY (See Fig. 26)

WARNING: Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc. Positive terminal must be connected first to prevent sparking from accidental grounding.

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

FIG. 26

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

TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 27)
- 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.

FIG. 27

ENGINE

TO ADJUST THROTTLE CONTROL CABLE
The throttle control has been preset at the factory and adjustment should not be necessary. If adjustment is necessary, see engine manual.

TO ADJUST CHOKE CONTROL
The choke control has been preset at the factory and adjustment should not be necessary. If adjustment is necessary, see engine manual.

TO ADJUST CARBURETOR
Your carburetor is not adjustable. If your engine does not operate properly due to suspected carburetor problems, take your tractor to an authorized service center for repair and/or adjustment.

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.
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.

**WARNING:** 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.

- Empty the fuel tank by starting 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 empty 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.
<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>CORRECTION</th>
</tr>
</thead>
</table>
| Will not start | 1. Out of fuel.  
2. Engine not “CHOKED” properly.  
3. Engine flooded.  
4. Bad spark plug.  
5. Dirty air filter.  
7. Water in fuel.  
8. Loose or damaged wiring.  
9. Carburetor out of adjustment.  
2. See “TO START ENGINE” in Operation section.  
3. Wait several minutes before attempting to start.  
4. Replace spark plug.  
5. Clean/replace air filter.  
6. Replace fuel filter.  
7. Empty fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter.  
8. Check all wiring.  
9. See “To Adjust Carburetor” in Service Adjustments section.  
10. Contact an authorized service center/department. |
| Hard to start | 1. Dirty air filter.  
2. Bad spark plug.  
3. Weak or dead battery.  
4. Dirty fuel filter.  
5. Stale or dirty fuel.  
6. Loose or damaged wiring.  
7. Carburetor out of adjustment.  
2. Replace spark plug.  
3. Recharge or replace battery.  
4. Replace fuel filter.  
5. Empty fuel tank and refill tank with fresh, clean gasoline.  
6. Check all wiring.  
7. See “To Adjust Carburetor” in Service Adjustments section.  
8. Contact an authorized service center/department. |
| Engine will not turn over | 1. Brake pedal not depressed.  
2. Attachment clutch is engaged.  
3. Weak or dead battery.  
5. Corroded battery terminals.  
6. Loose or damaged wiring.  
7. Faulty ignition switch.  
8. Faulty solenoid or starter.  
2. Disengage attachment clutch.  
3. Recharge or replace battery.  
4. Replace fuse.  
5. Clean battery terminals.  
6. Check all wiring.  
7. Check/replace ignition switch.  
8. Check/replace solenoid or starter.  
9. Contact an authorized service center/department. |
| Engine clicks but will not start | 1. Weak or dead battery.  
2. Corroded battery terminals.  
3. Loose or damaged wiring.  
4. Faulty solenoid or starter. | 1. Recharge or replace battery.  
2. Clean battery terminals.  
3. Check all wiring.  
4. Check/replace solenoid or starter. |
2. Throttle in “CHOKE” position.  
3. Build-up of grass, leaves and trash under mower.  
4. Dirty air filter.  
5. Low oil level/dirty oil.  
6. Faulty spark plug.  
7. Dirty fuel filter.  
8. Stale or dirty fuel.  
10. Spark plug wire loose.  
11. Dirty engine air screen/fins.  
12. Dirty/clogged muffler.  
13. Loose or damaged wiring.  
2. Adjust throttle control.  
3. Clean undersides of mower housing.  
4. Clean/replace air filter.  
5. Check oil level/change oil.  
6. Clean and regap or change spark plug.  
7. Replace fuel filter.  
8. Empty fuel tank and refill tank with fresh, clean gasoline.  
9. Empty fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter.  
10. Connect and tighten spark plug wire.  
11. Clean engine air screen/fins.  
12. Clean/replace muffler.  
13. Check all wiring.  
14. See “To Adjust Carburetor” in Service Adjustments section.  
15. Contact an authorized service center/department. |
| Excessive vibration | 1. Worn, bent or loose blade.  
2. Bent blade mandrel.  
3. Loose/damaged part(s). | 1. Replace blade.  
2. Replace blade mandrel.  
3. Tighten loose part(s).  
Replace damaged parts. |
# TROUBLESHOOTING POINTS

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine dies when tractor is shifted into reverse</td>
<td>1. Reverse operation system (ROS) is not &quot;ON&quot; while mower or other attachment is engaged.</td>
<td>1. Turn ignition key to ROS &quot;ON&quot; position. See Operation section.</td>
</tr>
<tr>
<td>Engine continues to run when operator leaves seat with attachment clutch engaged</td>
<td>1. Faulty operator-safety presence control system.</td>
<td>1. Check wiring, switches and connections. If not corrected, contact an authorized service center/ department.</td>
</tr>
<tr>
<td>Poor cut - uneven</td>
<td>1. Worn, bent or loose blade.</td>
<td>1. Replace blade. Tighten blade bolt.</td>
</tr>
<tr>
<td></td>
<td>2. Mower deck not level.</td>
<td>2. Level mower deck.</td>
</tr>
<tr>
<td></td>
<td>3. Buildup of grass, leaves, and trash under mower.</td>
<td>3. Clean underside of mower housing.</td>
</tr>
<tr>
<td></td>
<td>5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.</td>
<td>5. Clean around mandrels to open vent holes.</td>
</tr>
<tr>
<td>Mower blades will not rotate</td>
<td>1. Obstruction in clutch mechanism.</td>
<td>1. Remove obstruction.</td>
</tr>
<tr>
<td></td>
<td>2. Worn/damaged mower drive belt.</td>
<td>2. Replace mower drive belt.</td>
</tr>
<tr>
<td></td>
<td>3. Frozen idler pulley.</td>
<td>3. Replace idler pulley.</td>
</tr>
<tr>
<td></td>
<td>4. Frozen blade mandrel.</td>
<td>4. Replace blade mandrel.</td>
</tr>
<tr>
<td>Poor grass discharge</td>
<td>1. Engine speed too slow.</td>
<td>1. Place throttle control in “FAST” position.</td>
</tr>
<tr>
<td></td>
<td>2. Travel speed too fast.</td>
<td>2. Shift to slower speed.</td>
</tr>
<tr>
<td></td>
<td>3. Wet grass.</td>
<td>3. Allow grass to dry before mowing.</td>
</tr>
<tr>
<td></td>
<td>4. Mower deck not level.</td>
<td>4. Level mower deck.</td>
</tr>
<tr>
<td></td>
<td>5. Low/uneven tire air pressure.</td>
<td>5. Check tires for proper air pressure.</td>
</tr>
<tr>
<td></td>
<td>6. Worn, bent or loose blade.</td>
<td>6. Replace/sharpen blade. Tighten blade bolt.</td>
</tr>
<tr>
<td></td>
<td>7. Buildup of grass, leaves and trash under mower.</td>
<td>7. Clean underside of mower housing.</td>
</tr>
<tr>
<td></td>
<td>10. Improper blades used.</td>
<td>10. Replace with blades listed in this manual.</td>
</tr>
<tr>
<td></td>
<td>11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.</td>
<td>11. Clean around mandrels to open vent holes.</td>
</tr>
<tr>
<td>Headlight(s) not working (if so equipped)</td>
<td>1. Light switch is “OFF”.</td>
<td>1. Turn light switch “ON”.</td>
</tr>
<tr>
<td></td>
<td>2. Bulb(s) or lamp(s) burned out.</td>
<td>2. Replace bulb(s) or lamp(s).</td>
</tr>
<tr>
<td></td>
<td>3. Faulty light switch.</td>
<td>3. Check/replace light switch.</td>
</tr>
<tr>
<td></td>
<td>4. Loose or damaged wiring.</td>
<td>4. Check wiring and connections.</td>
</tr>
<tr>
<td></td>
<td>5. Blown fuse.</td>
<td>5. Replace fuse.</td>
</tr>
<tr>
<td>Battery will not charge</td>
<td>1. Bad battery cell(s).</td>
<td>1. Replace battery.</td>
</tr>
<tr>
<td></td>
<td>2. Poor cable connections.</td>
<td>2. Check/clean all connections.</td>
</tr>
<tr>
<td></td>
<td>4. Faulty alternator.</td>
<td>4. Replace alternator.</td>
</tr>
<tr>
<td>Loss of drive</td>
<td>1. Freewheel control in “disengaged” position.</td>
<td>1. Place freewheel control in “engaged” position.</td>
</tr>
<tr>
<td></td>
<td>2. Motion drive belt worn, damaged, or broken.</td>
<td>2. Replace motion drive belt.</td>
</tr>
<tr>
<td></td>
<td>3. Air trapped in transmission during shipment or servicing.</td>
<td>3. Purge transmission.</td>
</tr>
<tr>
<td>Engine “backfires” when turning engine “OFF”</td>
<td>1. Engine throttle control not set between half and full speed (fast) position before stopping engine.</td>
<td>1. Move throttle control between half and full speed (fast) position before stopping engine.</td>
</tr>
</tbody>
</table>
NOTE

YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH ENGINE SPEED. AT IDLE THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR BRIGHTEST.

WIRING INSULATED CLIPS
NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING.
<table>
<thead>
<tr>
<th>KEY NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>532 16 34-65</td>
<td>Battery</td>
</tr>
<tr>
<td>2</td>
<td>874 76 04-12</td>
<td>Bolt Hex Hd 1/4-20 unc x 3/4</td>
</tr>
<tr>
<td>8</td>
<td>532 18 64-91</td>
<td>Box Battery</td>
</tr>
<tr>
<td>16</td>
<td>532 17 61-38</td>
<td>Switch Interlock</td>
</tr>
<tr>
<td>21</td>
<td>532 18 37-59</td>
<td>Harness Socket Light</td>
</tr>
<tr>
<td>22</td>
<td>532 00 41-52</td>
<td>Bulb, Light # 1156</td>
</tr>
<tr>
<td>24</td>
<td>532 12 47-80</td>
<td>Cable Battery</td>
</tr>
<tr>
<td>25</td>
<td>532 14 61-48</td>
<td>Cable Battery 6 Ga. Red w/16 wire</td>
</tr>
<tr>
<td>26</td>
<td>532 17 51-58</td>
<td>Fuse</td>
</tr>
<tr>
<td>27</td>
<td>873 51 04-00</td>
<td>Nut Keps Hex 1/4-20 unc</td>
</tr>
<tr>
<td>28</td>
<td>532 14 54-91</td>
<td>Cable Ground 21&quot; Blk 6 Ga.</td>
</tr>
<tr>
<td>29</td>
<td>532 19 27-49</td>
<td>Switch Seat</td>
</tr>
<tr>
<td>30</td>
<td>532 19 33-50</td>
<td>Switch Ign</td>
</tr>
<tr>
<td>33</td>
<td>532 14 04-01</td>
<td>Key Ign Molded Generic</td>
</tr>
<tr>
<td>34</td>
<td>532 11 07-12</td>
<td>Switch Light/Reset</td>
</tr>
<tr>
<td>40</td>
<td>532 19 33-76</td>
<td>Harness Ign</td>
</tr>
<tr>
<td>41</td>
<td>871 11 04-08</td>
<td>Bolt Fin Hex 1/4-20 unc x 1/2</td>
</tr>
<tr>
<td>42</td>
<td>532 13 15-63</td>
<td>Cover Terminal Red</td>
</tr>
<tr>
<td>43</td>
<td>532 17 88-61</td>
<td>Solenoid</td>
</tr>
<tr>
<td>45</td>
<td>532 12 28-22</td>
<td>Ammeter</td>
</tr>
<tr>
<td>46</td>
<td>532 16 96-35</td>
<td>Hourmeter Snap-In</td>
</tr>
<tr>
<td>50</td>
<td>532 17 46-51</td>
<td>Switch PTO</td>
</tr>
<tr>
<td>55</td>
<td>817 49 05-08</td>
<td>Screw Thdrol 5/16-18 x 1/2</td>
</tr>
<tr>
<td>89</td>
<td>532 16 96-39</td>
<td>Bracket Snap-in Hourmeter</td>
</tr>
<tr>
<td>90</td>
<td>532 18 04-49</td>
<td>Cover Terminal</td>
</tr>
<tr>
<td>91</td>
<td>532 19 02-70</td>
<td>Strap Battery</td>
</tr>
<tr>
<td>92</td>
<td>532 19 34-65</td>
<td>Harness Pigtail Reverse Switch</td>
</tr>
<tr>
<td>93</td>
<td>532 19 25-40</td>
<td>Screw Plastite 10-14 x 2.0</td>
</tr>
<tr>
<td>94</td>
<td>532 19 18-94</td>
<td>Module Revers ROS</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>KEY NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>532 17 46-19</td>
<td>Chassis</td>
</tr>
<tr>
<td>2</td>
<td>532 17 65-54</td>
<td>Drawbar</td>
</tr>
<tr>
<td>9</td>
<td>532 19 51-11</td>
<td>Dash</td>
</tr>
<tr>
<td>10</td>
<td>872 14 06-08</td>
<td>Bolt Carriage 3/8-16 x 1</td>
</tr>
<tr>
<td>11</td>
<td>532 17 49-96</td>
<td>Panel Dash Lh</td>
</tr>
<tr>
<td>13</td>
<td>532 18 17-19</td>
<td>Panel Dash Rh</td>
</tr>
<tr>
<td>14</td>
<td>817 49 06-08</td>
<td>Screw Thdrol 3/8-16 x 1/2</td>
</tr>
<tr>
<td>17</td>
<td>532 18 99-77</td>
<td>Hood</td>
</tr>
<tr>
<td>26</td>
<td>873 80 06-00</td>
<td>Nut Lock Hex W/Ins 3/8-16 unc</td>
</tr>
<tr>
<td>28</td>
<td>532 18 82-69</td>
<td>Grille/Lens Asm. (Includes Key nos. 212, 258 and 259)</td>
</tr>
<tr>
<td>30</td>
<td>532 19 48-06</td>
<td>Fender Footrest</td>
</tr>
<tr>
<td>31</td>
<td>532 13 99-76</td>
<td>Bracket Fender</td>
</tr>
<tr>
<td>37</td>
<td>817 49 05-08</td>
<td>Screw Thdrol 6/16-18 x 1/2 TYT</td>
</tr>
<tr>
<td>38</td>
<td>532 17 57-10</td>
<td>Bracket Asm Pivot Mower Rear</td>
</tr>
<tr>
<td>39</td>
<td>532 17 47-14</td>
<td>Bracket Pivot Hood</td>
</tr>
<tr>
<td>53</td>
<td>532 18 83-73</td>
<td>Bracket Dash LH</td>
</tr>
<tr>
<td>55</td>
<td>532 18 83-72</td>
<td>Bracket Dash RH</td>
</tr>
<tr>
<td>58</td>
<td>532 15 01-27</td>
<td>Duct Air</td>
</tr>
<tr>
<td>60</td>
<td>872 14 06-06</td>
<td>Bolt RDHD Sqnk 3/8-16 unc x 3/4</td>
</tr>
<tr>
<td>64</td>
<td>532 17 49-97</td>
<td>Dash Lower STLT</td>
</tr>
<tr>
<td>74</td>
<td>873 68 06-00</td>
<td>Nut Crownlock 3/8-16 unc</td>
</tr>
<tr>
<td>90</td>
<td>532 12 43-46</td>
<td>Nut Self Thd Wsh - HD 1/4 Zinc</td>
</tr>
<tr>
<td>142</td>
<td>532 17 57-02</td>
<td>Plate Reinforcement STLT</td>
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<tr>
<td>143</td>
<td>532 18 66-89</td>
<td>Bracket Swaybar Chassis</td>
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<td>532 17 55-82</td>
<td>Bracket Footrest Step-thru</td>
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<tr>
<td>145</td>
<td>532 15 65-24</td>
<td>Rod Pivot Chassis/Hood</td>
</tr>
<tr>
<td>158</td>
<td>532 16 20-37</td>
<td>Bracket Parking Brake</td>
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<tr>
<td>159</td>
<td>532 19 24-04</td>
<td>Cupholder</td>
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<td>206</td>
<td>532 17 01-65</td>
<td>Bolt Shoulder 5/16-18</td>
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<tr>
<td>208</td>
<td>917 67 06-08</td>
<td>Screw Thdrl 3/8-16 x 1/2</td>
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<tr>
<td>209</td>
<td>817 00 06-12</td>
<td>Screw Hexwsh Thdr 3/8-16 x 3/4</td>
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<tr>
<td>212</td>
<td>532 18 82-67</td>
<td>Insert Lens</td>
</tr>
<tr>
<td>213</td>
<td>532 18 99-79</td>
<td>Skirt Grille LH</td>
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<td>214</td>
<td>532 18 99-78</td>
<td>Skirt Grille RH</td>
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<td>532 18 54-36</td>
<td>Console Fuel Window</td>
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<td>532 18 99-81</td>
<td>Lens RH</td>
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<td>532 18 99-82</td>
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<td>532 18 92-74</td>
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<td>532 18 92-75</td>
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<td>532 19 16-11</td>
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<td>280</td>
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<td>Screw 3/8-16 x 1</td>
</tr>
</tbody>
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**NOTE:** All component dimensions given in U.S. inches
1 inch = 25.4 mm
### Key Parts List

<table>
<thead>
<tr>
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<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
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<td>1</td>
<td>532 19 25-02</td>
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<td>Pin Cotter 1/8 x 1 CAD</td>
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<td>810 04 04-00</td>
<td>Washer Lock Hvy Helical</td>
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<td>4</td>
<td>874 49 05-44</td>
<td>Bolt, Hex FLGHD 5/16-18 Gr. 5</td>
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<td>873 80 05-00</td>
<td>Nut Lock Hex W/Ins 5/16-18 unc</td>
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<td>6</td>
<td>532 12 61-97</td>
<td>Washer</td>
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<td>7</td>
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<td>Nut Lock Hex W/Wsh 3/8-16 unc</td>
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<tr>
<td>8</td>
<td>532 14 08-45</td>
<td>Knob</td>
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<td>9</td>
<td>532 16 94-98</td>
<td>Rod, Brake Hydro</td>
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<td>10</td>
<td>532 19 07-36</td>
<td>Bracket Anti Rotation</td>
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<td>11</td>
<td>873 35 06-00</td>
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<td>12</td>
<td>532 10 68-88</td>
<td>Spring, Brake Rod</td>
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<td>13</td>
<td>819 13 13-16</td>
<td>Washer</td>
</tr>
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<td>14</td>
<td>876 02 04-12</td>
<td>Pin Cotter 1/8 x 3/4 CAD</td>
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<td>Rod, Parking Brake</td>
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<td>532 07 16-73</td>
<td>Cap, Parking Brake</td>
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<td>532 16 95-92</td>
<td>Bracket, Transaxle</td>
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<td>874 76 05-12</td>
<td>Bolt Hex Hd 5/16-18 unc x 3/4</td>
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<td>19</td>
<td>532 17 55-78</td>
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<td>20</td>
<td>532 12 01-83</td>
<td>Bearing, Nylon</td>
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<td>Washer</td>
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<td>22</td>
<td>532 17 55-56</td>
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<td>Pulley, Composite</td>
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<td>E-Ring</td>
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<td>Console, Shift</td>
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<td>27</td>
<td>532 12 07-01</td>
<td>Control Asm Bypass Hydro</td>
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<td>28</td>
<td>532 15 47-88</td>
<td>Retainer Spring 1&quot; Zinc/Cad</td>
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<td>29</td>
<td>819 09 12-10</td>
<td>Washer 9/32 x 3/4 x 10 Ga.</td>
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<td>30</td>
<td>876 30 00-00</td>
<td>Nut Lock Flg 3/8-16 unc</td>
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<td>31</td>
<td>532 16 54-92</td>
<td>Bolt Shoulder 5/16-18 x .561</td>
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<tr>
<td>32</td>
<td>532 16 55-50</td>
<td>Plate Fastening Lt</td>
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<td>817 06 06-20</td>
<td>Screw 3/8-16 x 1-1/4</td>
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<td>34</td>
<td>532 10 57-10</td>
<td>Link, Clutch</td>
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<td>35</td>
<td>532 15 44-07</td>
<td>Bellcrank Clutch Grnd Drv STL</td>
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<td>36</td>
<td>532 12 36-07</td>
<td>Retainer, Belt</td>
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**NOTE:** All component dimensions given in U.S. inches 1 inch = 25.4 mm
### Key Parts

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<tr>
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<tr>
<td>1</td>
<td>532 19 39-43</td>
<td>Wheel Steering</td>
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<td>2</td>
<td>532 18 47-06</td>
<td>Axle Asm Cast Iron LT</td>
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<td>532 16 98-40</td>
<td>Spindle Asm LH</td>
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<td>Spindle Asm RH</td>
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<td>5</td>
<td>532 12 49-31</td>
<td>Bearing Race Thrust Harden</td>
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<td>6</td>
<td>532 12 17-48</td>
<td>Washer 25/32 x 1-5/8 x 16 Ga.</td>
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<td>8</td>
<td>812 00 00-29</td>
<td>Ring Klip #5304-75</td>
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<td>532 17 51-21</td>
<td>Link Drag</td>
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<td>810 04 06-00</td>
<td>Washer Lock Hvy Hlcl Spr 3/8</td>
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<td>873 94 08-00</td>
<td>Nut Hex Jam Toplock 1/2-20 unf</td>
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<td>532 13 65-18</td>
<td>Spacer Brg Axle Front</td>
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<td>15</td>
<td>532 14 52-12</td>
<td>Nut Hex Flange Lock</td>
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<td>532 17 78-83</td>
<td>Shaft Asm Steering</td>
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<td>532 12 68-47</td>
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<td>Screw 3/8-16 x .75</td>
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<td>532 19 27-57</td>
<td>Rod Tie</td>
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<td>37</td>
<td>532 15 51-05</td>
<td>Bushing Strg</td>
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<td>38</td>
<td>532 15 29-27</td>
<td>Screw</td>
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<td>39</td>
<td>532 19 36-52</td>
<td>Insert Cap Strg Wh</td>
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<td>40</td>
<td>873 54 06-00</td>
<td>Crownlock nut</td>
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<td>532 18 67-37</td>
<td>Adapter Wheel</td>
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<td>532 12 17-49</td>
<td>Washer 25/32 x 1 1/4 x 16 Ga.</td>
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<td>46</td>
<td>532 12 12-32</td>
<td>Cap Spindle Fr Top Blk</td>
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<td>65</td>
<td>532 16 03-67</td>
<td>Spacer Brace Axle</td>
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<tr>
<td>67</td>
<td>872 11 06-18</td>
<td>Bolt RDHD SQNK 3/8-16 x 2 1/4</td>
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<td>71</td>
<td>532 17 51-46</td>
<td>Steering Asm</td>
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<td>82</td>
<td>532 16 98-35</td>
<td>Axle, Brace</td>
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<td>87</td>
<td>532 17 39-66</td>
<td>Washer Flat .781 x 1-1/2 x .14</td>
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<td>88</td>
<td>532 17 51-18</td>
<td>Bolt Shoulder 7/16-20 unc</td>
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<tr>
<td>91</td>
<td>532 17 55-53</td>
<td>Clip Steering</td>
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<tr>
<td>95</td>
<td>532 18 89-67</td>
<td>Washer Harden .739 x 1.637 x 060</td>
</tr>
</tbody>
</table>

**NOTE:** All component dimensions given in U.S. inches
1 inch = 25.4 mm
TRACTOR-MODEL NUMBER YTH18542 (917.279060), PRODUCT NO. 960 13 00-02

ENGINE

OPTIONAL EQUIPMENT
Spark Arrester

<table>
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<tr>
<th>KEY</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>532 17 08-05</td>
<td>Control, Throttle/Choke</td>
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<td>2</td>
<td>817 72 04-08</td>
<td>Screw Hex Thd Cut 1/4-20 x 1/2</td>
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<td>3</td>
<td>- - - - - - -</td>
<td>Engine B&amp;S Model 31Q777 (Order Parts from Engine Mfg.)</td>
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<td>4</td>
<td>532 13 73-52</td>
<td>Muffler</td>
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<td>532 16 52-91</td>
<td>Muffler Gasket</td>
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<td>532 14 84-56</td>
<td>Tube Oil Drain</td>
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<tr>
<td>23</td>
<td>532 16 98-37</td>
<td>Shield, Browning/Debris Guard</td>
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<tr>
<td>29</td>
<td>532 13 71-80</td>
<td>Arrester, Spark</td>
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<td>31</td>
<td>532 17 90-22</td>
<td>Tank, Fuel</td>
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<tr>
<td>32</td>
<td>532 18 18-03</td>
<td>Cap, Fuel</td>
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<td>33</td>
<td>532 12 34-87</td>
<td>Clamp, Hose Blk</td>
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<td>37</td>
<td>532 14 21-58</td>
<td>Line, Fuel</td>
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<td>38</td>
<td>532 18 16-54</td>
<td>Plug Drain Oil Easy</td>
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<td>41</td>
<td>532 13 92-77</td>
<td>Stem Tank Fuel</td>
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<td>45</td>
<td>817 00 06-12</td>
<td>Screw Hex Wsh Thdrol 3/8-16 x 3/4</td>
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<th>KEY</th>
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<td>62</td>
<td>810 01 05-00</td>
<td>Washer Split</td>
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<td>72</td>
<td>871 07 05-12</td>
<td>Screw Hex HD Cap 5/16-18 x 3/4</td>
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<td>817 06 06-20</td>
<td>Screw 3/8-16 x 1-1/4</td>
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<td>81</td>
<td>873 51 04-00</td>
<td>Nut Keps Hex 1/4-20 unc</td>
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<td>112</td>
<td>532 12 49-52</td>
<td>Bushing</td>
</tr>
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</table>

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

For engine service and replacement parts, call the toll free number for your engine manufacturer listed below:
Briggs & Stratton 1-800-233-3723
Kohler Co. 1-800-544-2444
Tecumseh Products 1-800-558-5402
Honda Engines 1-800-426-7701
Kawasaki 1-949-460-5688
### MOWER LIFT

#### KEY | PART NO. | DESCRIPTION
--- | --- | ---
1 | 532 15 94-60 | Plunger Asm.
2 | 532 15 94-71 | Shaft Asm Lift RH w/Inf
3 | 532 10 57-87 | Pin Groove
4 | 812 00 00-02 | E Ring #5133-62
5 | 819 21 16-21 | Washer 21/32 x 1 x 21 Ga.
6 | 532 12 01-83 | Bearing Nylon Blk 629 Id
7 | 532 12 56-31 | Grip Handle
8 | 532 12 45-26 | Button Plunger
11 | 532 13 98-65 | Link Lift LH Fixed Length
12 | 532 13 98-66 | Link Lift RH Fixed Length
13 | 532 12 46-70 | Retainer Spring

#### KEY | PART NO. | DESCRIPTION
--- | --- | ---
15 | 532 17 32-88 | Link Front
16 | 873 35 08-00 | Nut Jam Hex 1/2-13 unc
17 | 532 17 56-89 | Trunnion
18 | 873 80 08-00 | Nut Lock W/Wsh 1/2-13 unc
19 | 532 13 98-68 | Arm Suspension Rear
20 | 532 16 35-52 | Retainer Spring
31 | 532 16 98-65 | Bearing Pvt Lift
32 | 873 54 06-00 | Nut Crownlock 3/8 - 24

**NOTE:** All component dimensions given in U.S. inches.

1 inch = 25.4 mm
### Seat Assembly

<table>
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<td>Seat</td>
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<td>532 14 05-51</td>
<td>Bracket Pivot Seat 8 720</td>
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<tr>
<td>3</td>
<td>871 11 06-16</td>
<td>Bolt Fin Hex 3/8-16 unc x 1</td>
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<td>4</td>
<td>819 13 16-10</td>
<td>Washer 13/32 x 1 x 10 Ga.</td>
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<tr>
<td>5</td>
<td>532 14 50-06</td>
<td>Clip Push-In</td>
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<tr>
<td>6</td>
<td>873 80 06-00</td>
<td>Nut Hex w/Ins. 3/8-16 unc</td>
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<tr>
<td>7</td>
<td>532 12 41-81</td>
<td>Spring Seat Cprsn 2 250 Blk Zi</td>
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<td>8</td>
<td>817 00 06-16</td>
<td>Screw 3/8-16 x 1.5 Smgml</td>
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<tr>
<td>9</td>
<td>819 13 16-14</td>
<td>Washer 13/32 x 1 x 14 Ga.</td>
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<td>532 18 24-93</td>
<td>Pan Seat</td>
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<td>532 16 63-69</td>
<td>Knob Seat</td>
</tr>
<tr>
<td>12</td>
<td>532 17 46-48</td>
<td>Bracket Mounting Switch</td>
</tr>
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### Key Parts

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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>13</td>
<td>532 12 12-48</td>
<td>Bushing Snap Blk Nyl 50 Id</td>
</tr>
<tr>
<td>14</td>
<td>872 05 04-12</td>
<td>Bolt Rdhd Sqnk 1/4-20 x 1-1/2</td>
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<td>532 13 43-00</td>
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<td>532 12 12-50</td>
<td>Spring Cprsn</td>
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<td>Nut Lock 1/4 Lge Flg Gr. 5 Zinc</td>
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<td>532 17 18-52</td>
<td>Bolt Shoulder 5/16-18 unc</td>
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<td>Washer 17/32 x 1-3/16 x 12 Ga.</td>
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<tr>
<td>25</td>
<td>532 12 70-18</td>
<td>Bolt Shoulder 5/16-18 x 62</td>
</tr>
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</table>

**NOTE:** All component dimensions given in U.S. inches
1 inch = 25.4 mm
TRACTOR-MODEL NUMBER YTH18542 (917.279060), PRODUCT NO. 960 13 00-02

DECALS

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

KEY PART NO. NO. DESCRIPTION
1 532 19 39-39 Decal Oper
2 532 18 92-43 Decal Dash
3 532 18 89-19 Decal Hood LH
4 532 19 56-25 Decal Side Panel Logo
5 532 18 09-41 Decal Hood Cust Resp.
6 532 17 05-63 Decal Warning, Keep Hand Away
7 532 19 43-67 Decal Replacement Parts
8 532 17 91-28 Decal Deck "B" 42"
9 532 17 23-31 Decal Fender Heavy Duty
10 532 19 71-40 Decal Fender Danger E/F
11 532 18 89-25 Decal Ins Strg Whl
12 532 18 91-23 Decal Engine
14 532 16 03-96 Decal V-Belt Schematic
16 532 18 89-18 Decal Hood Rh
20 532 14 50-05 Decal Bat Dan/Psn
-- 532 16 69-60 Decal By Pass Lt Hydro
--; 532 13 83-11 Decal Handle Lift
--; 532 18 82-52 Pad Footrest LH
--; 532 18 82-53 Pad Footrest RH
--; 532 19 58-63 Manual, Owner's (English)
--; 532 19 58-64 Manual, Owner's (French)

WHEELS AND TIRES

KEY PART NO. NO. DESCRIPTION
1 532 05 91-92 Cap Valve Tire
2 532 06 51-39 Stem Valve
3 532 10 62-22 Tire F T 15 x 6 0 Service
4 532 05 99-04 Tube Front (Service Item Only)
5 532 13 83-36 Rim Asm 6" front Service
6 532 12 49-57 Fitting Grease (Front Wheel Only)
7 532 12 49-59 Bearing Flange (Front Wheel nly)
8 532 13 83-37 Rim Asm 8" rear Service
9 532 13 84-68 Tire R T 20 x 8-8 Service
10 532 12 49-26 Tube Rear (Service Item Only)
11 532 17 50-39 Cap Axle Blk 1 50 x 1 00
--; 532 14 43-34 Sealant, Tire (10 oz. Tube)

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm
<table>
<thead>
<tr>
<th>KEY NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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<td>17 85-15</td>
<td>Washer, Hardened</td>
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<td>15 50-46</td>
<td>Arm, Idler</td>
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<td>16 57-23</td>
<td>Spacer, Retainer</td>
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<tr>
<td>532</td>
<td>14 10-43</td>
<td>Guard TUV Idler</td>
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<tr>
<td>532</td>
<td>17 48-82</td>
<td>Spring Ext Elect. Clutch</td>
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<td>17 48-83</td>
<td>V-Belt, 42&quot; Mower</td>
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<td>Bracket Roller Nose RH</td>
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<td>873</td>
<td>80 06-00</td>
<td>Nut Lock Hex w/Ins 3/8-16 unc</td>
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<td>Roller Nose</td>
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<td>Wheel, Gauge</td>
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<td>Nut Centerlock 3/8-16</td>
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<td>819</td>
<td>12 14-14</td>
<td>Washer 3/8 x 7/8 x 14 Ga.</td>
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<tr>
<td>874</td>
<td>74 06-16</td>
<td>Bolt Fin HEx 3/8-16 unc x 1 Gr. 5</td>
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<tr>
<td>872</td>
<td>14 06-08</td>
<td>Bolt RDHD SQNK 3/8-16 unc x 1</td>
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<td>817</td>
<td>00 06-12</td>
<td>Screw Hexwsh Thdrol</td>
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<td>532</td>
<td>15 71-09</td>
<td>Bracket Arm Idler 42&quot;</td>
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<td>15 86-34</td>
<td>Keeper Belt 42&quot; Clutch Cable</td>
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<td>Pulley Idler Flat</td>
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<td>Bolt Carriage Idler</td>
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<td>16 90-22</td>
<td>Spring Return Idler</td>
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<td>16 58-98</td>
<td>Retainer Spring Yellow</td>
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<td>09 12-10</td>
<td>Washer 9/32 x 3/4 x 10 Ga.</td>
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<td>1406-04</td>
<td>Bolt Rdhd Sqn 3/8-16 unc x 1-3/4</td>
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<td>17 91-26</td>
<td>Rod Roller Nose</td>
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<td>Retainer Spring</td>
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<td>13 14-10</td>
<td>Washer 13/32 x 7/8 x 10 Ga.</td>
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<tr>
<td>532</td>
<td>07-94</td>
<td>Mandrel Assembly (Includes Housing Shaft and</td>
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<tr>
<td></td>
<td></td>
<td>Shaft Hardware Only - Pulley Not Included)</td>
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<tr>
<td>532</td>
<td>17 67-89</td>
<td>Replacement Mower, Complete</td>
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</table>

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm
1. Fold this page along dotted line indicated above.
2. Hold page before you so that its left edge is vertically parallel to a tree trunk or other upright structure.
3. Sight across the fold in the direction of hill slope you want to measure.
4. Compare the angle of the fold with the slope of the hill.

WARNING: To avoid serious injury, operate your tractor up and down the face of slopes, never across the face. Do not mow slopes greater than 15 degrees. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
SECTION 1: LIMITED WARRANTY

Husqvarna Forest & Garden Company ("Husqvarna") warrants Husqvarna product to the original purchaser to be free from defects in material and workmanship from the date of purchase for the "Warranty Period" of the product as set forth below:

**Lifetime Warranty:** All tiller tines against breakage, trimmer shafts, ignition coils and modules on hand held product.

**3 Year Warranty:** Spindles (on Zero Turn Riders and Commercial Walk-Behinds)

**2 Year COMMERCIAL-Warranty:** Husqvarna Commercial Turf Equipment—zero turn riders, wide area walks, and ground engaging commercial equipment.

**2 Year NON-COMMERCIAL Warranty:** Automatic Mower, Riding lawn mowers, yard and garden tractors, walk behind mowers, tillers, chain saws, trimmers, brushcutters, clearing saws, snow blowers, handheld blowers, backpack blowers, hedge trimmers, electrical products and power-assist collection systems for noncommercial, nonprofessional, noninstitutional or nonincome producing use, except as herein stated.

Emission control system components necessary to comply with CARB-TIER-II and EPA regulations, except for those components which are part of engine systems manufactured by third party engine manufacturers for which the purchaser has received a separate warranty with product information supplied at time of purchase.

**1 Year Warranty:** Power cutters, stump grinder, pole pruners and pole saws for non-commercial, non-professional, non-institutional or non-income producing use. All trimmers, brushcutters, clearing saws, hedger trimmers, stick edgers, backpack blowers, hand held blowers, hedge trimmers, power-assist collection systems used for commercial, institutional, professional or income producing purposes or use.

**Batteries** have a one-year prorated limited warranty with 100% replacement during the first 6 months.

**90 Day Warranty:** Automatic Mower, Chain saws, power cutters, stump grinders, pole saws, pole pruners, snow blowers, model series 580 & 600 walk-behind mowers and commercial turf equipment or any Husqvarna product used for commercial, institutional, professional, or income producing purposes or use except as otherwise provided herein.

**Husqvarna Safety Apparel** carries a 90-day warranty from the date of the customer's original purchase for defects in material and workmanship. Normal wear, tear or abuse is not covered under warranty. Product must be returned to Charlotte with a warranty claim form. All care and maintenance instructions must be followed as stated by the manufacturer on the care label. The fit of the protective apparel/boot is not covered under warranty.

**30 Day Warranty:** Replacement parts, accessories including bars and chains, tools and display items.

SECTION 2: HUSQVARNA'S OBLIGATIONS UNDER THE WARRANTY

Husqvarna will repair or replace defective components without charge for parts or labor if a component fails because of a defect in material or workmanship during the warranty period.

SECTION 3: ITEMS NOT COVERED BY THIS WARRANTY

The following items are not covered by this warranty:

1. Normal customer maintenance items which become worn through normal regular use, including, but not limited to, belts, blades, blade adapters, bulbs, filters, guide bars, lubricants, rewind springs, saw chain, spark plugs, starter ropes and tines;
2. Natural discoloration of material due to ultraviolet light;
3. Engine and drive systems not manufactured by Husqvarna; these items are covered by the respective manufacturer's warranty as provided in writing with the product information supplied at the time of purchase; all claims must be sent to the appropriate manufacturer;
4. Lawn and garden attachments are covered by a third party which gives a warranty, all claims for warranty should be sent to the manufacturer; and
5. Emission Control System components necessary to comply with CARB-TIER-II and EPA regulations which are manufactured by third party engine manufacturer.

SECTION 4: EXCEPTIONS AND LIMITATIONS

This warranty shall be inapplicable to defects resulting from the following:

1. Accident, abuse, misuse, negligence and neglect, including stale fuel, dirt, abrasives, moisture, rust, corrosion, or any adverse reaction due to incorrect storage or use habits;
2. Failure to operate or maintain the unit in accordance with the Owner's/Operator's manual or instruction sheet furnished by Husqvarna;
3. Alterations or modifications that change the intended use of the product or affects the product's performance, operation, safety, or durability, or causes the product to fail to comply with any applicable laws; or
4. Additional damage to parts or components due to continued use occurring after any of the above.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. HUSQVARNA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THESE PRODUCTS EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THESE PRODUCTS IS LIMITED IN DURATION TO THE WARRANTY PERIOD AS DEFINED IN THE LIMITED WARRANTY STATEMENT. HUSQVARNA RESERVES THE RIGHT TO CHANGE OR IMPROVE THE DESIGN OF THE PRODUCT WITHOUT NOTICE, AND DOES NOT ASSUME OBLIGATION TO UPDATE PREVIOUSLY MANUFACTURED PRODUCTS.

Some states do not allow the exclusion of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SECTION 5: CUSTOMER RESPONSIBILITIES

The product must exhibit reasonable care, maintenance, operation, storage and general upkeep as written in the maintenance section of the Owner's/Operator's manual. Should an operational problem or failure occur, the product should not be used, but delivered as is to an authorized Husqvarna dealer for evaluation. Proof of purchase, as explained in section 6, rests solely with the customer.

SECTION 6: PROCEDURE TO OBTAIN WARRANTY CONSIDERATION

It is the Owner’s and Dealer’s responsibility to make certain that the Warranty Registration Card is properly filled out and mailed to Husqvarna Forest & Garden Company. This card should be mailed within ten (10) days from the date of purchase in order to confirm the warranty and to facilitate post-sale service.

Proof of purchase must be presented to the authorized Husqvarna dealer in order to obtain warranty service. This proof must include date purchased, model number, serial number, and complete name and address of the selling dealer.

To obtain the benefit of this warranty, the product believed to be defective must be delivered to an authorized Husqvarna dealer in a timely manner, no later than thirty (30) days from date of the operational problem or failure. The product must be delivered at the owner's expense. Pick-up and delivery charges are not covered by this warranty. An authorized Husqvarna dealer can be normally located through the "Yellow Pages" of the local telephone directory or by calling 1-800-HUSKY62 for a dealer in your area.

HUSQVARNA
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Charlotte, NC 28269
531 83 81-23 2002