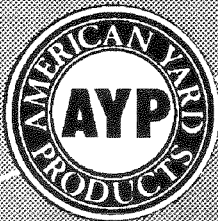


*Do Not Remove*

# OWNER'S MANUAL

ORIGINAL FILE COPY

**18 H P GARDEN TRACTOR  
MODEL NUMBER YPGTK180CE**



**American Yard Products, Inc.**

S.C. HWY. 33, AND OLD CAMERON ROAD  
P.O. BOX 1687  
ORANGEBURG, SC 29116

## Congratulations

on your purchase of a Riding Tractor. It has been designed, engineered and manufactured to give you dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest authorized service dealer. He has well trained technicians and the proper tools and parts to service or repair this unit.

Please read and retain this manual. Following the "Rules for safe operation", "Assembly", "Operation", and "Maintenance" instructions will help you achieve a long, safe service life for your Riding Tractor.

## LIMITED WARRANTY

The Manufacturer warrants to the original consumer purchaser that this product as manufactured is free from defects in materials and workmanship. For a period of two (2) years from date of purchase by the original consumer purchaser, we will repair or replace, at our option, without charge for parts or labor incurred in replacing parts, any part which we find to be defective due to materials or workmanship. This Warranty is subject to the following limitations and exclusions.

1. **Engine Warranty:** All engines on our products have a separate Warranty extended by the individual engine manufacturer. Said warranty must be referred to in the event of a service requirement (see Kohler Owner's Manual included with your tractor).
2. **Transaxle/Transmission Warranty:** Some of our products have a Transaxle/Transmission supplied by other manufacturers. Such Transaxle/Transmissions are warranted by that manufacturer and said Warranty must be referred to in the event of a service requirement.
3. **Battery Warranty:** On products equipped with a Battery, we will replace, without charge to you, any battery which we find to be defective in manufacture, during the first year of ownership. Battery must be maintained in accordance with instructions in the product literature.
4. The Warranty period for any products used for rental or commercial purposes is limited to ninety (90) days from the date of original purchase.
5. This Warranty applies only to products which have been properly assembled, adjusted and operated in accordance with instructions found in the product literature for your product. This Warranty does not apply to any product which has been subjected to alteration, misuse, abuse, improper assembly or installation, delivery damage, or to normal wear of the product.
6. **Exclusions:** Excluded from this warranty are belts, blades, blade adapters, normal wear, normal adjustments, standard hardware and normal maintenance.
7. In the event you have a claim under this Warranty, you must return the product to an authorized service dealer.

Should you have any unanswered questions concerning this warranty, please contact:

In U.S.A. contact:  
American Yard Products Inc.  
Service Department  
P.O. Box 1687  
Orangeburg, S.C. 29116  
Phone: 800-435-3688

In Canada Contact:  
AYP (Canada) (Inc.)  
1040 Jayson Court  
Mississauga, Ontario L4W 2V5

giving the model number, serial number and date of purchase of your product and the name and address of the authorized dealer from whom it was purchased.

THIS WARRANTY DOES NOT APPLY TO INCIDENTAL OR CONSEQUENTIAL DAMAGES AND ANY IMPLIED WARRANTIES ARE LIMITED TO THE SAME TIME PERIODS STATED HEREIN FOR OUR EXPRESSED WARRANTIES. Some areas do not allow the limitation of consequential damages or limitations of how long an implied Warranty may last, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from locale to locale.

This is a limited warranty within the meaning of that term as defined in the Magnuson-Moss Act of 1975

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**LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS - ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.**

**CAUTION: LOOK FOR THIS WORD TO POINT OUT IMPORTANT EQUIPMENT PRECAUTIONS.**

**NOTE: LOOK FOR THIS WORD TO POINT OUT IMPORTANT INFORMATION ABOUT THE OPERATION AND PERFORMANCE OF YOUR TRACTOR.**



## **RULES FOR SAFE OPERATION**

**WARNING:** This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest covered, covered or grass covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or area (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. (See REPAIR PARTS for part identification).

State of California the above is required by law (Section 4442 of the California Public Resources Code). Other States may have similar Federal laws apply on federal lands.

Know the controls and how to stop quickly. READ THIS OWNER'S MANUAL and instructions furnished with attachments.

Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.

Do not carry passengers. Do not mow when children and others are around.

Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.

Keep your eyes and mind on your tractor, mower, and the area being cut. Do not let other interests distract you.

Do not attempt to operate your tractor or mower when not in the driver's seat.

Always get on or off your tractor from the operator's left hand side.

Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.

Disengage all attachment clutches before attempting to start the engine.

Disengage power to attachments and stop the engine before leaving the operator's position.

Disengage power to mower, stop the engine, and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment, or repair. Be careful to avoid touching hot muffler or engine components.

Disengage power to attachments when transporting or not in use.

Take all possible precautions when leaving the vehicle unattended. Disengage the power take-off, lower the attachments, shift into neutral, set the parking brake, stop the engine, and remove the key.

Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes (not greater than 15°), never across the face. Refer to page 45.

Reduce speed on slopes and make turns gradually to prevent slipping or loss of control. Exercise extreme caution when changing direction on slopes.

While going up or down slopes, place gear shift control lever in 1st gear position to negotiate the slope without stopping.

Never mow in wet or slippery grass, when traction is unsure, or at a speed which could cause a skid.

Stay alert for holes in the terrain and other hidden hazards. Keep away from drop-offs.

Do not drive too close to creeks, ditches, and public highways.

Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign objects. Never shift gears until tractor comes to a stop.

Never place hands or feet under the mower, in discharge chute, or near any moving parts while tractor or mower is running. Always keep clear of discharge chute.

Use care when pulling loads or using heavy equipment.

- a. Use only approved drawbar hitch points.
- b. Limit loads to those you can safely control.

c. Do not turn sharply. Use care when backing.

d. Use counterweight or wheel weights when suggested in owner's manual.

24. Watch out for traffic when crossing or near roadways.

25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.

26. Handle gasoline with care - it is highly flammable.

a. Use approved gasoline containers.

b. Never remove the fuel cap of the fuel tank or add gasoline to a running or hot engine or an engine that has not been allowed to cool for several minutes after running. Never fill tank indoors. Always clean up spilled gasoline.

c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.

27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place and working.

28. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.

29. Never store the equipment 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.

30. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease. Do not clean product while engine is running.

31. Except for adjustments, DO NOT operate engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.

32. Do not operate without a muffler, or tamper with exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.

33. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.

34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.

35. When using the vehicle with mower, proceed as follows:

a. Mow only in daylight or in good artificial light.

b. Shut the engine off when unclogging chute.

c. Check the blade mounting bolts for proper tightness at frequent intervals.

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

37. Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.

38. Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.

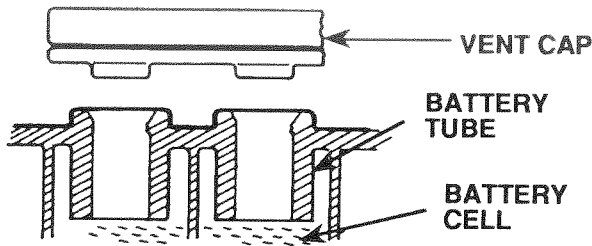


FIGURE 1

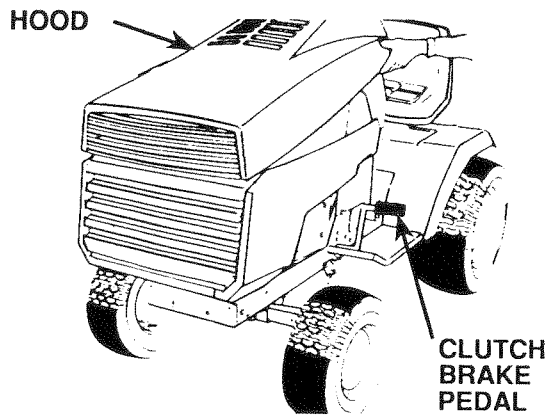


FIGURE 2

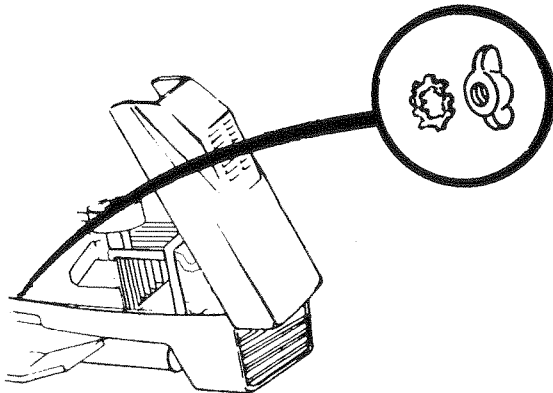


FIGURE 3

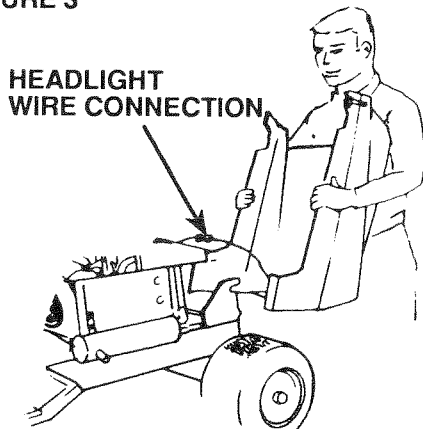


FIGURE 4

## ASSEMBLY

To assemble and adjust your tractor you will need:

- |                    |                     |
|--------------------|---------------------|
| (2) 7/16" wrenches | (2) 1/2" wrenches   |
| (1) 3/4" wrench    | Tire Pressure Gauge |
| (1) 9/16" wrench   | Utility Knife       |

NOTE: RIGHT HAND (R.H.) AND LEFT HAND (L.H.) ARE DETERMINED FROM OPERATOR'S POSITION WHILE SEATED ON THE TRACTOR.

## UNPACKING INSTRUCTIONS

- Remove Battery, Steering Wheel, Seat and Seat Pan from carton.
- Cut down four corners of the carton with a utility knife and fold down sides.
- Shift unit into neutral.
- Disengage Parking Brake.
- Carefully guide the tractor backwards off the skid.

**WEAR EYE AND FACE SHIELD.**



**WASH HANDS OR CLOTHING IMMEDIATELY IF ACCIDENTALLY IN CONTACT WITH BATTERY ACID.**

**DO NOT SMOKE. FUMES FROM CHARGED BATTERY ACID ARE EXPLOSIVE.**

### 1. Prepare Battery

Fill and charge battery (before installing). NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY VENT CAPS IN BAG OF PARTS.

- Fill battery with battery acid to bottoms of tubes in cells (Fig 1). DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.
- Check level of battery acid after 30 minutes. Add additional battery acid if necessary. NOTE: TIGHTEN VENT CAPS SECURELY.
- Charge battery at a rate of six amperes for one hour.
- Neutralize excess battery acid for disposal by adding it to 2 gallons (7 liters) of water in a five gallon (20 liters) plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.



**DO NOT SHORT BATTERY TERMINALS.**

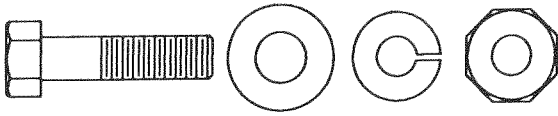
**BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRISTWATCH BANDS, RINGS, ETC.**

### 2. Install Battery

- Lift Hood from rear sides (Fig. 2).
- Remove Hood assembly by removing Int./Ext. Tooth Lockwasher and Wing Nuts (Fig. 3).
- Disconnect Headlight Wiring Harness (Fig. 4).
- Pivot Hood Assembly forward and remove from Tractor (Fig. 4).
- Remove Tape from Plastic Tray. Make sure Drain Tube is fastened to Drain Hole in Battery Tray (Fig. 6) and Battery Tray is positioned in hole of Battery Support.

Place Battery in Plastic Tray (Battery Terminals to rear of Tractor) (Fig. 5).

- j. Connect Battery Cables using two Hex Bolts, Two Flat Washers, two Lockwashers and two Hex Nuts (shown full size below) found in Bag of Parts.

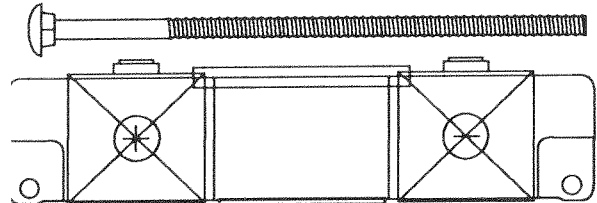


**POSITIVE TERMINAL MUST BE CONNECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.**

1. Connect **RED** Battery Cable to positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 5). Tighten securely with two 7/16" wrenches.

Connect **BLACK** Ground Cable to negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 5). Tighten securely.

Secure Battery using: two Wing Nuts, two Battery Bolts and one Terminal Guard (shown below) found in Bag of Parts.



- k. Using the square hole on one side of the Battery Support (Fig. 5) insert one Battery Bolt, head of Bolt down. Fasten the Battery Bolt to the Terminal Guard using Wing Nut as shown (Fig. 6).

Assemble the remaining Battery Bolt to other side of Battery Support and fasten Terminal Guard to it with remaining Wing Nut. Tighten Wing Nuts securely by hand (Fig. 6).

NOTE: USE TERMINAL ACCESS DOORS (FIG. 6) FOR:

1. INSPECTION FOR SECURE CONNECTIONS (TIGHTEN HARDWARE)
2. INSPECTION FOR CORROSION
3. TESTING BATTERY
4. JUMPING (IF REQUIRED)
5. CHARGING (IF REQUIRED)

- m. Reinstall Hood Assembly to Tractor and tighten Int./Ext. Lockwasher and Wing Nut. Reconnect Headlight Wiring Harness and close Hood.

Install Steering Wheel

NOTE: POSITION FRONT WHEELS FORWARD.

- a. Use a 9/16" wrench to remove hex bolt, lockwasher and 2-3/8" diameter washer from Steering Column (Fig. 7)

Position Steering Wheel over Steering Wheel adaptor. Make sure Steering Wheel is aligned with front Wheels.

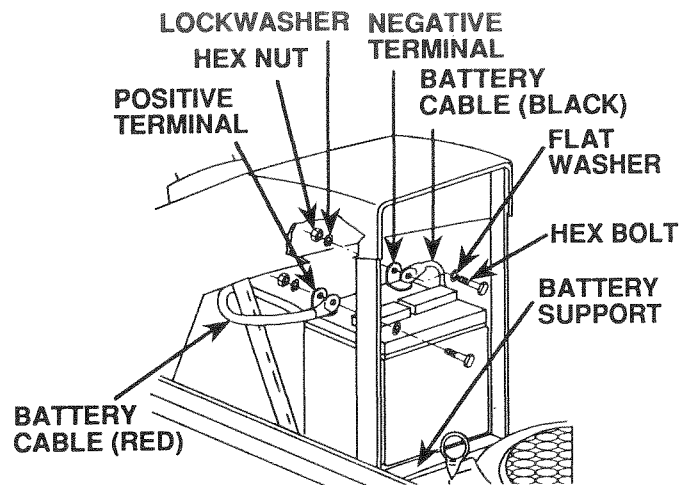


FIGURE 5

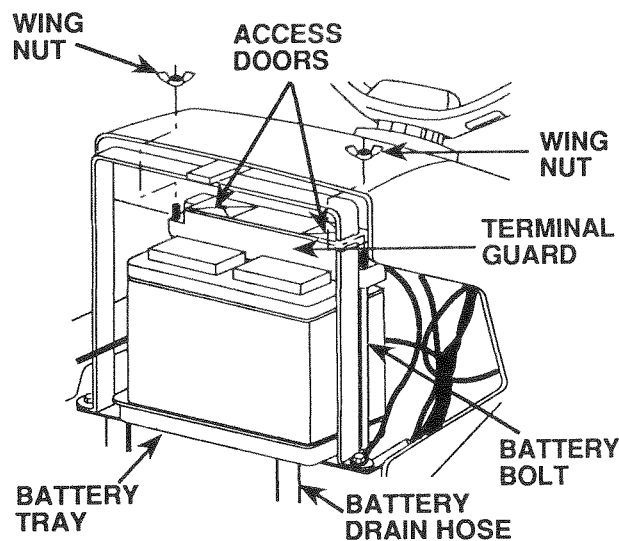


FIGURE 6

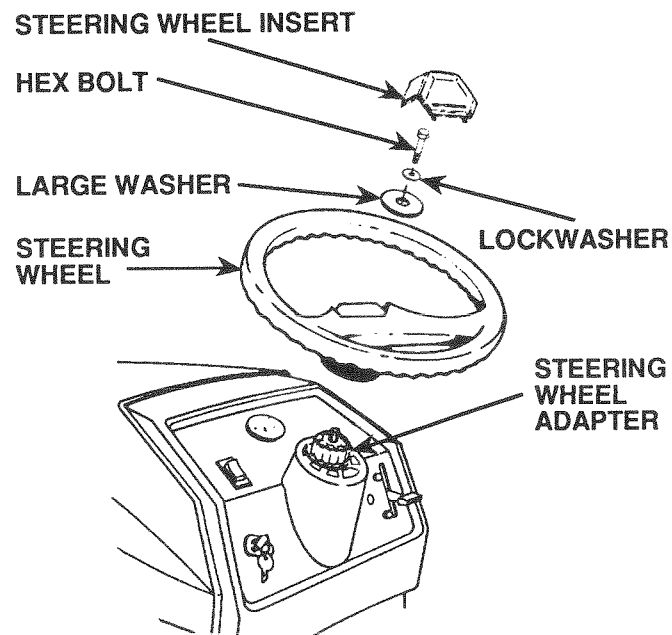


FIGURE 7

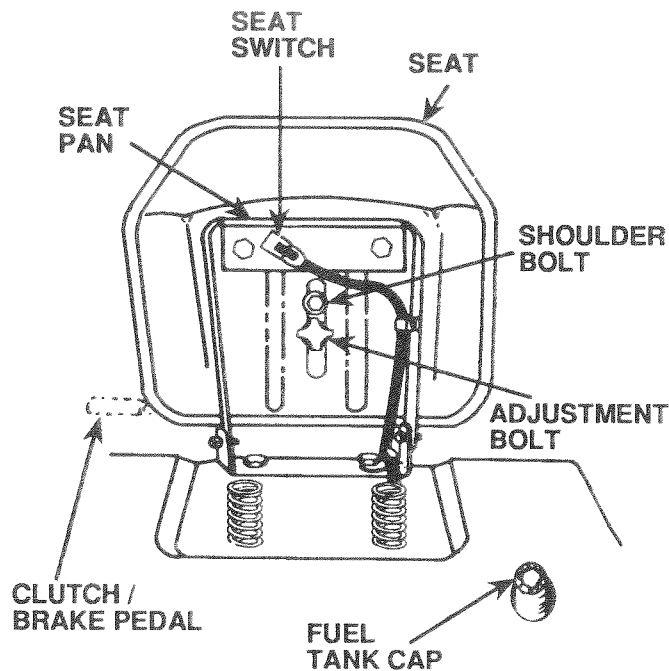


FIGURE 8

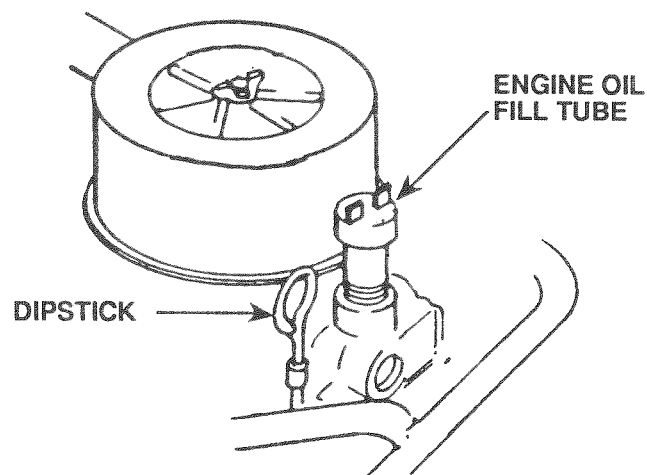


FIGURE 9

- c. Secure Steering Wheel to Steering Shaft using Hex Bolt, Lockwasher and 2-3/8" diameter Washer (fig. 7).
  - d. Snap Steering Wheel Cap in place on Steering Wheel. Steering Wheel Cap found in Bag of Parts.
4. Install Seat
- Seat position should be adjusted forward or backward so that the operator can comfortably reach Clutch/ Brake Pedal and safely operate the Tractor (Fig. 8).
- a. Place Seat on Seat Pan. Screw Hand Adjustment Knob and Shoulder Bolt into Seat (Fig. 8). Adjustment Knob and Shoulder Bolt found in Bag of Parts.
  - b. Tighten Shoulder Bolt using a 1/2" wrench. Note that the Shoulder Bolt will be loose in the Seat Pan Slot.
  - c. Hand tighten Adjustment Knob.
  - d. Place Seat in operating position. Sit on the Seat and press Clutch/Brake Pedal all the way down. If operating position is not comfortable, adjust Seat.
  - e. To adjust: Raise Seat. Loosen Adjustment Knob. Slide Seat to desired position. Tighten Adjustment Knob securely.
5. A Spark Arrester Muffler (page 29) is available as an accessory part for your Tractor. Check legal requirements in your area.

### INITIAL SERVICE

1. This Engine has been shipped filled with summer weight oil. See the Kohler Owner's Manual included with your Tractor for oil type, checking, and changing procedures.
2. Fill Fuel Tank (Fig. 8) with clean, fresh, lead free, low lead or regular grade Gasoline. The use of lead free gasoline produces fewer combustion deposits which will result in longer Engine life. Capacity is 3-1/2 gallons (13.2 litres).



**DO NOT OVERFILL. FILL TO BOTTOM OF GAS TANK FILLER NECK. WIPE OFF ANY SPILLED FUEL.**

**CAUTION:** EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OF USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

TO AVOID ENGINE PROBLEMS, THE FUEL SYSTEM SHOULD BE EMPTIED BEFORE STORAGE FOR 30 DAYS OR LONGER DRAIN THE GAS TANK, START THE ENGINE AND LET IT RUN UNTIL THE FUEL LINES AND CARBURETOR ARE EMPTY USE FRESH FUEL NEXT SEASON. SEE STORAGE INSTRUCTIONS FOR ADDITIONAL INFORMATION.

NEVER USE ENGINE OR CARBURETOR CLEANER PRODUCTS IN THE FUEL TANK OR PERMANENT DAMAGE MAY OCCUR.

3. Reduce Tire Pressure to 14 PSI (1 Kg/cm<sup>2</sup>) in Front and 10 PSI (0.7 Kg/cm<sup>2</sup>) in Rear Tires. (Tires were overinflated for shipping purposes.)



# OPERATION

## NOW YOUR TRACTOR

READ THIS OWNER'S MANUAL BEFORE OPERATING YOUR GARDEN TRACTOR. If you understand the machine and its operation, you will achieve efficient and peak performance. While reading the manual, compare the illustrations with your Garden Tractor to familiarize yourself with the location of various controls and adjustments. Study the operating instructions and safety precautions thoroughly to insure proper functioning of your Garden Tractor and to prevent injury to yourself and others. Be sure to pay strict attention to all notes and cautions; they are included for your safety. Save this manual for future reference.



**KNOW HOW TO STOP YOUR TRACTOR BEFORE YOU ATTEMPT TO START THE ENGINE.**

### Stopping Your Tractor

**NOTE: REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.**

- Push Clutch/Brake Pedal into full "BRAKE" position (Fig. 12).
- Place Parking Brake (Fig. 10) in "ENGAGED" position and release pressure from Clutch/Brake Pedal should remain in "BRAKE" position. **NOTE: MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.**
- Move Gear Shift Lever to "NEUTRAL" position.
- Place Attachment Clutch Switch in "DISENGAGED" position (Fig. 11).
- Move Throttle Control to "S" (slow) position.
- Turn Ignition Key to "OFF" position. Never use Choke to stop Engine.

### Starting The Engine



**LEARN TO START, STOP AND REVERSE YOUR TRACTOR IN A LARGE, OPEN AREA.**

**NOTE: THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE ATTACHMENT CLUTCH OR THE CLUTCH/BRAKE PEDAL IS ENGAGED.**



**IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.**

**NOTE: THIS 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.**

- Place Attachment Clutch Switch in "DISENGAGED" position (Fig. 11).
- Push Clutch/Brake Pedal fully into Brake position (Fig. 12).
- Place Gear Shift Lever in "N" neutral, start position (Fig. 10).
- Place Range Shift Lever in "N" neutral position.
- See the Kohler Owners Manual included with tractor for proper starting instructions.



**BEFORE DRIVING THE TRACTOR, INSTALL MOWER OR REMOVE FRONT MOWER SUSPENSION BRACKET (FIG. 13)**

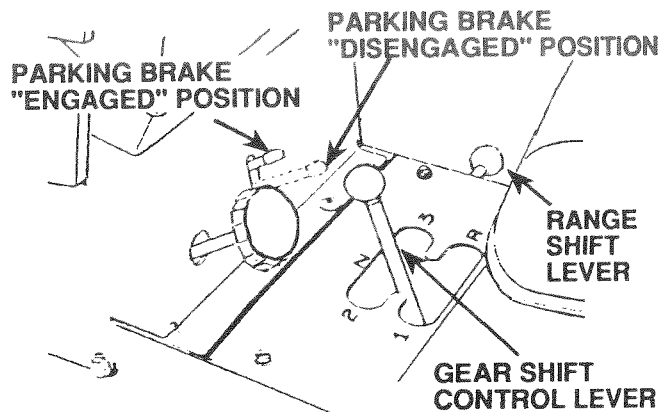


FIGURE 10

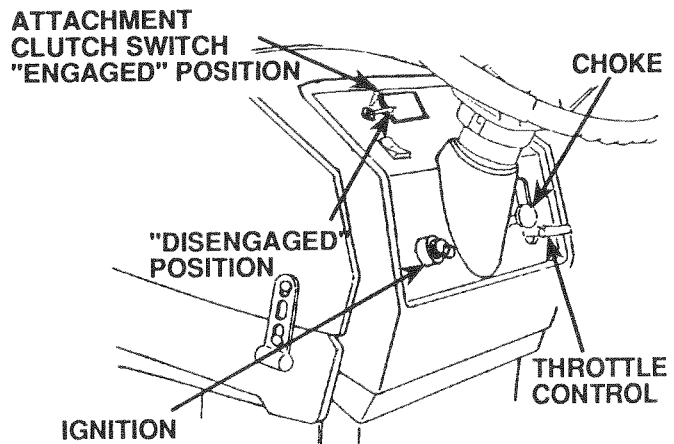


FIGURE 11

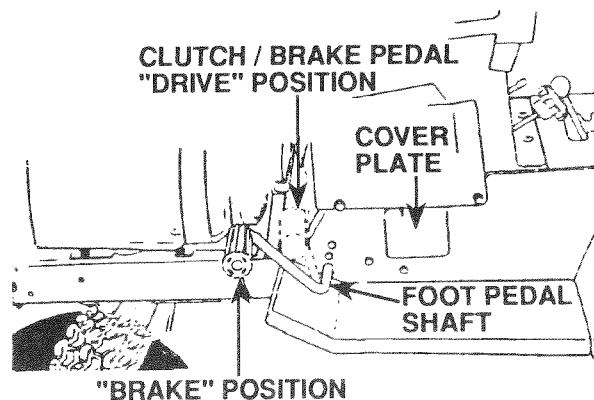


FIGURE 12

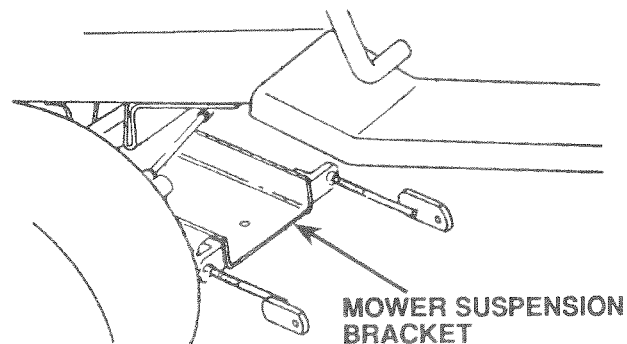


FIGURE 13

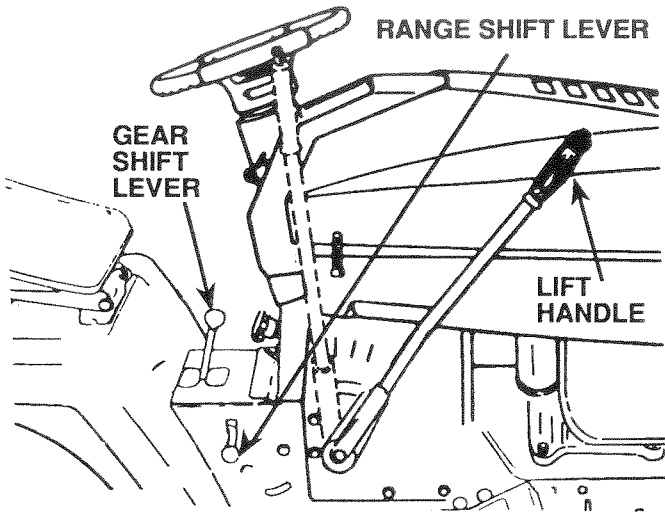




FIGURE 14

FUNCTION	GEARSHIFT	THROTTLE
Normal Mowing	2H* or 3L*	 FAST
Heavy Mowing	1H or 2L	
Snow Removal	1L	
Tilling Plowing	1L	MID THROTTLE
Dozing	1L	 SLOW-FAST
Grading	2L	
Transport	3H	

\* Indicates Range Shift Lever position:  
"H" for High, "L" for Low

FIGURE 15

**TO AVOID INJURY**


1. Read owner's manual.
2. Know location and function of all controls.
3. Keep guards, safety shield and switches in place and working.
4. Remove objects that can be thrown by blades.
5. Do not mow when children and others are around.
6. Never carry children or passengers.
7. Always look behind machine before backing.
8. Do not mow where machine can tip or slip.
9. If machine stops going uphill, stop blades and back slowly down.
10. Be sure blades and engine have stopped before placing hands or feet near the blades.
11. Remove key when leaving machine.

3. Tractor operation


**CAUTION:** DO NOT ADD ADDITIONAL WEIGHT TO THE TRACTOR OTHER THAN THE OPTIONAL WHEEL WEIGHTS. EXCESSIVE WEIGHT MAY OVERLOAD AND DAMAGE THE TRANSMISSION.

- a. With Engine running and warm, place Throttle Control midway between "S" (slow) and "F" (fast) position (Fig. 11).
- b. Move Range Shift Lever to "LO" (low) position (Fig. 14).
- c. Move Gear Shift Lever to desired gear (Fig. 10).
- d. Release Clutch/Brake Pedal SLOWLY to start movement (Fig. 12).
- e. If ground travel is too slow, move Throttle Control to "F" (fast) position or push Clutch/Brake Pedal and shift to a different gear.

**NOTE:** BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS. ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED (FIG. 15).




**NEVER PLACE YOUR HANDS OR FEET IN OR UNDER ANY POWERED ATTACHMENT OR NEAR ANY MOVING PART WHILE TRACTOR OR ANY POWERED ATTACHMENT IS RUNNING.**



**DO NOT OPERATE THE MOWER WITHOUT EITHER THE ENTIRE GRASS CATCHER, ON MOWERS SO EQUIPPED, OR THE DEFLECTOR SHIELD IN PLACE.**


4. Operating the Tractor On Hills

- a. Choose the lowest gear BEFORE starting up or down hills.



**DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 45.**

- b. Avoid stopping or shifting on hills.
- c. If slowing is necessary, move Throttle Control lever to middle position.



**LEAVE ENOUGH ROOM WHEN STOPPING AND STARTING TO ALLOW SLIGHT TRACTOR ROLL DOWNHILL AS CLUTCH/BRAKE PEDAL MOVES THROUGH CLUTCH POSITION.**

- d. If stopping is absolutely necessary, push Clutch/Brake Pedal quickly to Brake position and engage Parking Brake (Fig. 10).
- e. To restart your Tractor, make sure Tractor is in 1st gear and that you have allowed room to roll slightly downhill. Disengage Parking Brake and release Clutch/Brake Pedal SLOWLY to start Tractor forward movement.
- f. Make all turns slowly.

5. Transporting Your Tractor

- a. For transporting your tractor place Gear Shift Lever and Range Shift Lever in "N" neutral positions.

**NOTE:** DO NOT TOW OR PUSH YOUR TRACTOR MORE THAN SIX MILES PER HOUR.



# MAINTENANCE

KEEP YOUR TRACTOR RUNNING BETTER AND LONGER, PERFORM NECESSARY SERVICE ACCORDING TO INDICATED OPERATING HOURS.

**BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR:**

1. PUSH TRACTOR CLUTCH/BRAKE PEDAL COMPLETELY INTO BRAKE POSITION.
2. MOVE GEAR SHIFT CONTROL LEVER TO NEUTRAL POSITION.
3. PLACE PARKING BRAKE IN "ENGAGED" POSITION AND REMOVE FOOT FROM PEDAL.
4. TURN OFF ATTACHMENT CLUTCH SWITCH.
5. SHUT OFF THE ENGINE.
6. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED.
7. DISCONNECT THE SPARK PLUG WIRES FROM THE SPARK PLUGS AND KEEP WIRES AWAY FROM THE SPARK PLUGS TO PREVENT INJURY FROM ACCIDENTAL STARTING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.

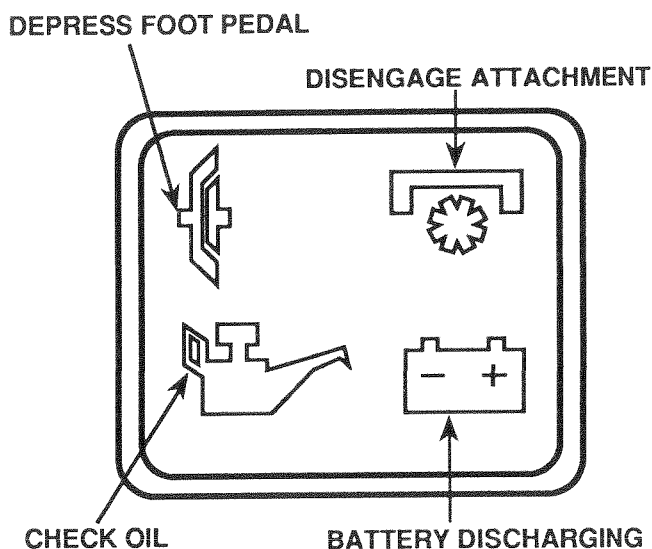


FIGURE 16

## Each time you start your Tractor

1. Check the Indicator Lights (Fig. 16).
  - a. DEPRESS FOOT PEDAL - indicates that the Clutch/Brake Pedal must be depressed before Engine will start.
  - b. DISENGAGE ATTACHMENT - indicates that the attachment must be disengaged before the Engine will start.
  - c. CHECK OIL - is a low oil pressure warning light.
  - d. BATTERY DISCHARGING - indicates there is insufficient battery charging.

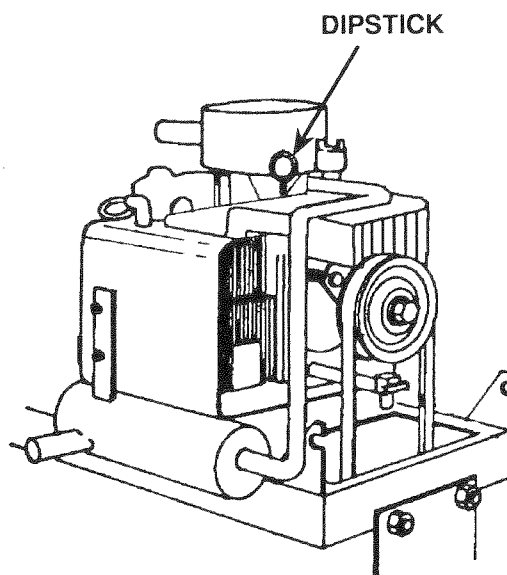


FIGURE 17

## Check Every Mowing

1. Make sure all Nuts on Bolts are tight and Cotter Pins and Retainer Springs are secure.
2. Observe all safety precautions.
3. Keep Tractor well lubricated (refer to page 14).
4. Check Engine oil level before each operation. Refer to Kohler Owner's Manual for proper procedures (Fig. 17).

## At 2 Hours (Two Mowings)

1. Change Engine Oil. Refer to Kohler Owner's Manual included with your Tractor for first oil change interval, type of oil, and oil change procedures.

## Every 25 Hours

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

### 1. Change Engine Oil

The best time to drain Engine Oil is at the end of a day's operation when all dirt and foreign material is suspended in the hot Oil. Refer to the Kohler Owner's Manual provided with your Tractor for proper procedures.

### 2. Lubricate Steering and Front Wheels

There are four Grease Fittings on your Tractor (Fig. 18). Using a Grease Gun, give each fitting two shots of Extreme Pressure Lubricating Grease.

### 3. Lubricate Pivot Points

Place several drops of S.A.E. 30 oil at points where parts move against each other, especially:

- a. Front Axle Pivot
- b. Hood Hinges
- c. Foot Pedal Shaft (both ends)
- d. Lift Shaft (both ends)
- e. Steering Plate
- f. Refer to Lubrication Chart, Page 14.

### 4. Check Battery

- a. Battery acid solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 19). Add only distilled or iron-free water if necessary. NOTE: DO NOT OVERFILL. DO NOT ADD ACID.
- b. Keep Battery and Terminals clean. Refer to step 5.
- c. Keep Battery Bolts tight.
- d. Keep Vent Caps tight and small vent holes in Caps open.
- e. Recharge at a rate of 6 amperes for 1 hour.

### 5. Clean Battery and Terminals

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power and hinders the operation of the charger.

- a. Remove Terminal guard (Fig. 20).
- b. Remove the Battery from the Tractor and wash with four tablespoons (60 ml) of baking soda to one gallon (4 litres) of water. NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS.
- c. Rinse the Battery with plain water; dry and reinstall on Tractor.
- d. Clean Terminals and Cable ends with a wire brush until bright. Replace Cables.
- e. Coat Terminal Connections with Petroleum Jelly and replace Terminal Guard.

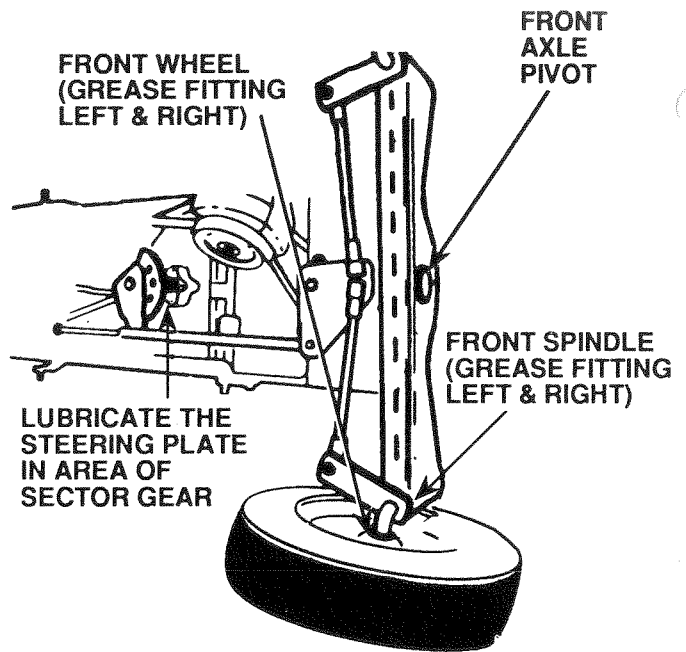


FIGURE 18

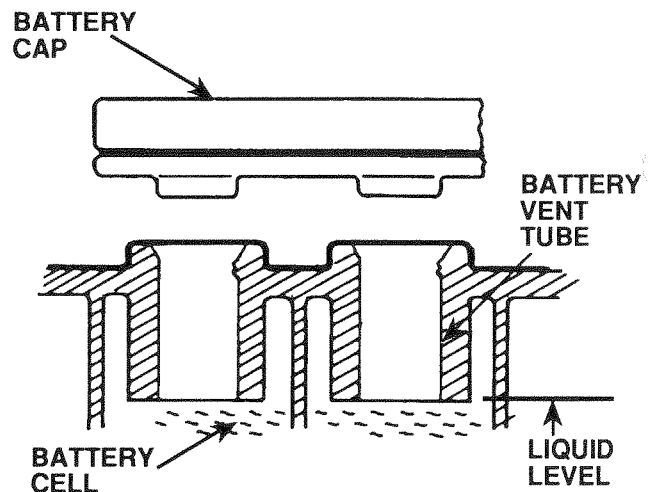


FIGURE 19

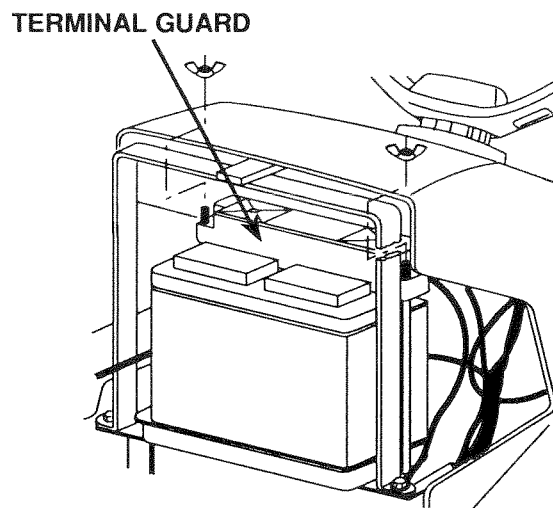


FIGURE 20



**IF BATTERY IS REMOVED, DO NOT OPERATE ENGINE. SPARKING MAY OCCUR.**

## 6. Clean Air Screen

Air Screen (Fig 21) must allow free-flow of air to prevent Engine damage from overheating. Clean with a wire brush or compressed air to remove dirt, stubborn dried gum and fibers.



**WEAR SAFETY GLASSES WHEN USING COMPRESSED AIR.**

## 7. Clean Air Filter

Refer to Kohler Engine Owner's Manual included with your Tractor for Air and Pre - Cleaner servicing.

## Every 50 Hours

(DEPENDING ON OPERATING CONDITIONS, SERVICING MAY BE REQUIRED MORE FREQUENTLY.)

### 1. Clean Engine Cooling Fins

Remove any dust, dirt or oil from Engine Cooling Fins to prevent Engine damage from overheating. Air Guide Covers must be removed. Refer to illustrations in Kohler Owner's Manual.

### 2. Muffler

Do not operate the Tractor without a Muffler or tamper with the Exhaust System. Damaged Mufflers or Spark Arrestors could create a fire hazard. Inspect periodically and replace if necessary. If your Engine is equipped with a Spark Arrestor Screen assembly, Remove every 50 Hours for cleaning and inspection. Replace if damaged.

## Every 100 Hours

### 1. Replace Spark Plugs

Refer to Kohler Engine Owner's Manual included with your Tractor for proper procedures.

### 2. Lubricate Ball Joints

- Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 22).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.

### 3. Replace Air Cleaner Paper Cartridge

Refer to Kohler Owner's Manual included with your Tractor.

## Every 200 Hours

### 1. Replace In-Line Fuel Filter

- Remove Hose Clamps from Fuel Lines at Fuel Filter (Fig. 23).
- Remove Fuel Filter.
- Place Fuel Filter in position with Fuel Line (arrow on Hose Clamps).
- Reinstall Fuel Lines on either side of Fuel Filter and replace Hose Clamps.



**BE SURE THERE ARE NO FUEL LEAKS AND THAT HOSE CLAMPS ARE PROPERLY INSTALLED.**

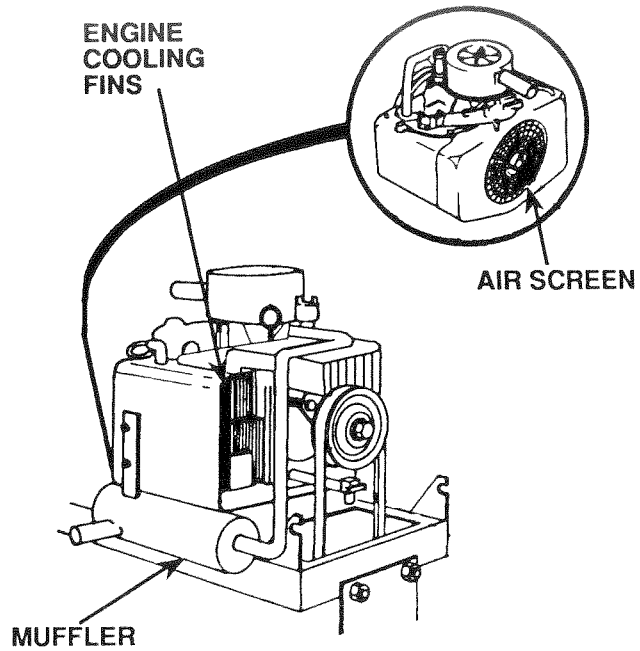


FIGURE 21

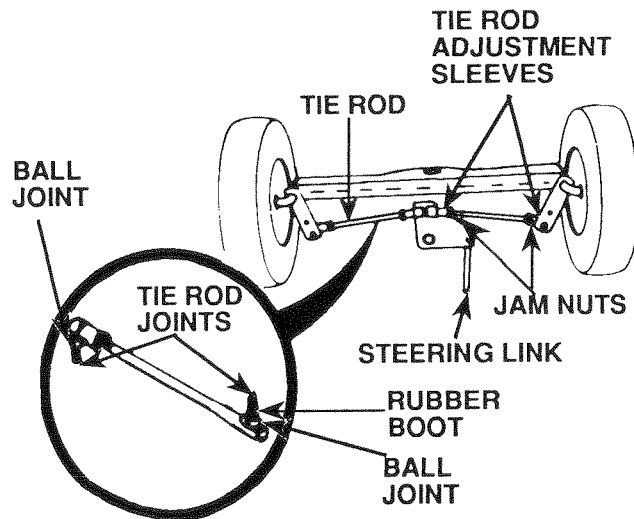


FIGURE 22

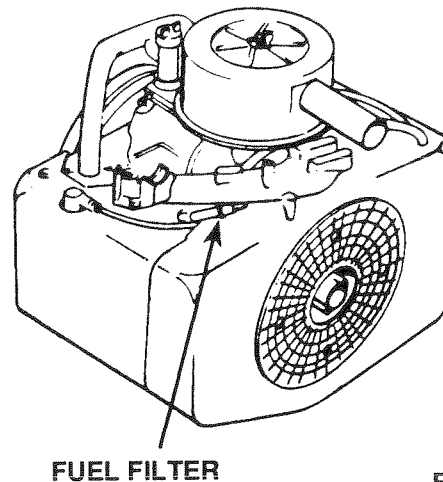


FIGURE 23

## REPAIR AND ADJUSTMENT

### 1. Starting Your Tractor with a Weak Battery

If your Battery is too low to start the Engine, it should be recharged. If "jumper cables" are used for emergency starting, follow this procedure:

**NOTE: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUND SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUND SYSTEM.**



**LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS WEAR EYE PROTECTION AROUND BATTERY.**

- a. Connect each end of the **RED** Cable to the **POSITIVE (+)** Terminals of each Battery (taking care not to short against Chassis). (Fig. 24).
- b. Connect one end of the **BLACK** Cable to the **NEGATIVE (-)** Terminal of fully charged Battery.
- c. Connect the other end of the Cable to **ENGINE BLOCK** or good **CHASSIS GROUND** on Tractor. **NOTE: KEEP AWAY FROM GAS TANK AND BATTERY.**
- d. Disconnect Cables in reverse order.
  1. Engine Block or Chassis of Tractor.
  2. Negative Terminal of fully charged Battery
  3. Positive Terminals

**CAUTION: DO NOT USE YOUR BATTERY TO START OTHER VEHICLES.**

### 2. Throttle Control Cable Adjustment

Never attempt to change maximum Engine Speed. This is preset at the factory (3400 ±100 RPM) and should only be changed by a qualified service technician who has the necessary equipment.

- a. Loosen Clamp holding Throttle Cable at Carburetor (Fig. 25).
- b. Move Throttle Control (on the dashboard) to "Fast" position.
- c. Pull outer Cable until tight (Fig. 25).
- d. Tighten Clamp on outer Cable.



**REFER TO "STARTING THE ENGINE", PAGE 5.**

### 3. Carburetor Adjustment

Refer to Kohler Engine Owners Manual provided with your Tractor for proper procedures.

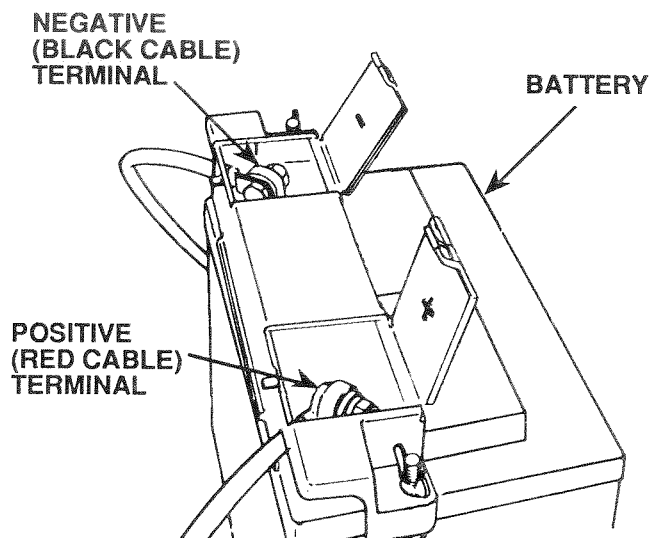


FIGURE 24

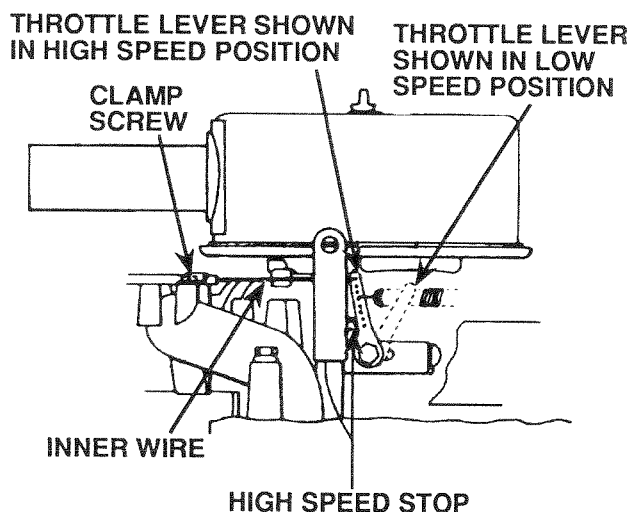


FIGURE 25

### Motion Drive Belt Removal

The Belt on this Tractor is special for this application. Always replace with the Belt number in the parts list. It is not necessary to remove Mower.

- Raise Hood and disconnect Negative Ground Battery Cable.
- Set Parking Brake (to get belt slack).
- Loosen (do not remove) two Engine Pulley Belt Guide Bolts and swivel R. H. side of Belt Guide up. Tighten L.H. bolt to hold Belt Guide in position (Fig. 26).
- Roll Belt off Engine Pulley.
- Roll Belt off "V" Idler, Flat Idler and Clutching Idler Pulleys (Fig. 27).
- Pull Belt off Clutch Pulley - between Pulley and Frame. Pull Belt off Transaxle Pulley.

### Motion Drive Belt Replacement

NOTE: THERE IS A BELT INSTALLATION DECAL UNDER L.H. FOOTREST.

- Push Belt down from Engine Pulley area. Place back (flat) side of Belt on Flat Idler. (Flat Idler is next to frame).
- Place belt on Clutching Idler and over Clutch Pulley. "V" (narrow) part of Belt should engage Clutch Pulley.
- Place Belt around Transaxle Pulley. "V" part of Belt should engage Transaxle Pulley (Fig. 27).
- Make sure "V" part of Belt engages "V" Idler (Fig. 27).
- Roll Belt over Engine Pulley.
- Loosen L.H. Engine Pulley Belt Guide Bolt and swivel Belt Guide on to R.H. Bolt. Tighten L.H. and R.H. Bolts securely (Fig. 26).
- Release Parking Brake NOTE: WHEN A NEW BELT HAS BEEN INSTALLED, YOU MUST CHECK BRAKE ADJUSTMENT.

### Fuse Replacement

Replace with 30 amp automotive - type, plug-in fuse. Fuse is located under Dash and can be purchased at all authorized Service Dealers and most retail stores.

### Check Transaxle Oil Level

- Block up Rear Axle (Fig. 28) securely or use a Tractor Jack.
- Remove left rear Wheel by removing Hub Bolts.
- Remove Filler Plug (Fig. 28) from Transaxle. Oil level must be even with Plug threads. See your authorized service center if additional oil is required. Replace Filler Plug.
- Reposition Wheel. Secure with Hub Bolts previously removed.

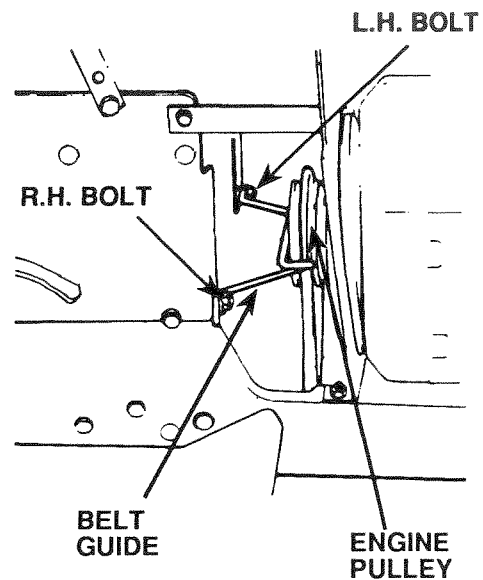


FIGURE 26

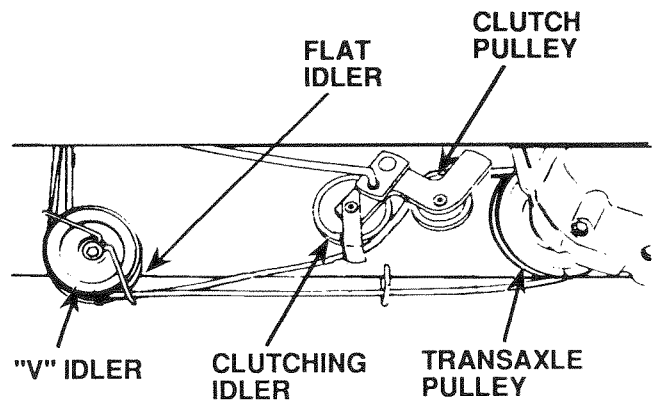


FIGURE 27

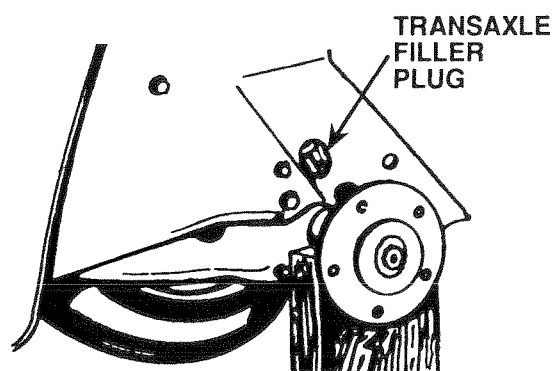


FIGURE 28

## 8. Brake Adjustment



**IF TRACTOR REQUIRES MORE THAN SIX FEET OF STOPPING DISTANCE IN HIGHEST GEAR ON A LEVEL DRY CONCRETE OR PAVED SURFACE, THEN BRAKE MUST BE ADJUSTED.**

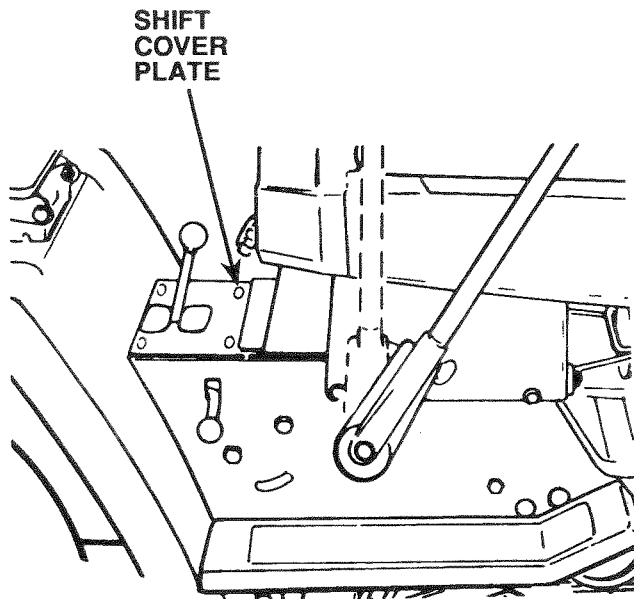


FIGURE 29

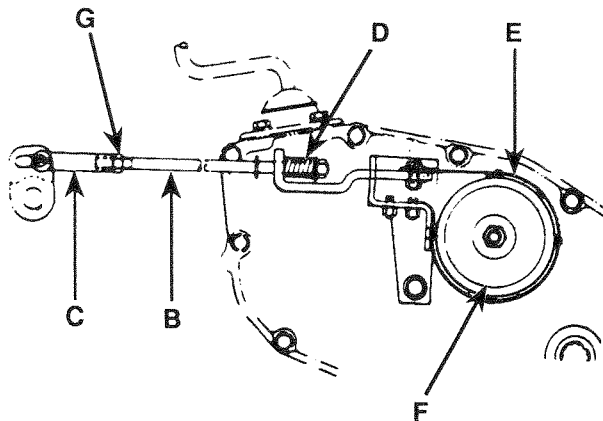


FIGURE 30

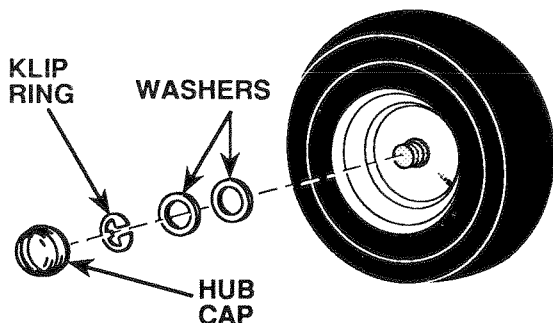


FIGURE 31

- Remove (4) Hex Washer Head Tapping Screws from Shift Cover Plate (Fig. 29) located on top of Tractor Frame. Remove the Cover Plate.
- Loosen Jam Nut (G) on Brake Rod (B) at Clevis (C) (Fig. 30). If you find it difficult to loosen Jam Nut (G), remove Cover Plate in L.H. Frame Rail.
- Rotate Brake Rod (B) counterclockwise (↺) turning Brake Rod out of Clevis (C) four to six turns.
- Start Tractor with Transmission in "N" (neutral) position. Refer to Starting The Engine (page 5).
- Depress Clutch/Brake Pedal to the point where the Belt stops moving. Hold Clutch/Brake Pedal in position by engaging Parking Brake. If Belt begins to move after engaging Parking Brake, depress Clutch/Brake Pedal to next notch on Parking Brake.
- Shut Engine off. Rotate Brake Rod (B) clockwise (↻) by hand, turning Brake Rod into Clevis (C), until tight. Tighten Jam Nut (G) on Brake Rod (B) at Clevis (C) (Fig. 30).
- Reinstall Shift Cover Plate and four (4) Mounting Screws. If Cover Plate in L.H. Rail was removed in step (b), it should be replaced.

## 9. Tire Care

- Maintain Tire pressure in Front Tires at 14 PSI (1 Kg/cm<sup>2</sup>) and in Rear Tires at 10 PSI (0.7 Kg/cm<sup>2</sup>).
- Keep Tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- Removing Front Wheel for tire repair (Fig. 31)
  - Block up Front Axle securely.
  - Remove Hub Cap, Klip Ring, and Washers to allow Wheel removal.
  - Repair Tire and reassemble. Replace Washers and snap Klip Ring securely in Axle groove. Replace Hub Cap.
- Removing Rear Wheel for Tire repair
  - Block Rear Axle securely.
  - Remove Hub Cap and (5) Hub Bolts to allow Wheel removal.
  - Repair Tire and reassemble. Replace and tighten Hub Bolts and Hub Cap securely.



**WHEN MOUNTING TIRES, BEADS MUST BE SEATED. OVERINFLATION CAN CAUSE A FATAL EXPLOSION.**



# ORAGE

## Fuel System

It is important to prevent gum deposits from forming in essential fuel system parts such as the 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. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer.

- Drain Fuel Tank and Carburetor by allowing the Engine to run out of Fuel.
- Dispose of Gasoline if not to be used.

NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSTS ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

## Engine Oil

Refer to Kohler Engine Owners' Manual included with your Tractor for proper procedures.

## 3. Cylinders

Refer to Kohler Engine Owners' Manual included with your Tractor for proper procedures.

## 4. Battery

- Remove Battery if Tractor is not used regularly during winter months. Store in a cool, dry place (above 50°F).
- Re-charge each month if necessary.

NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED PRODUCE SULPHATE DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

## 5. General Cleaning

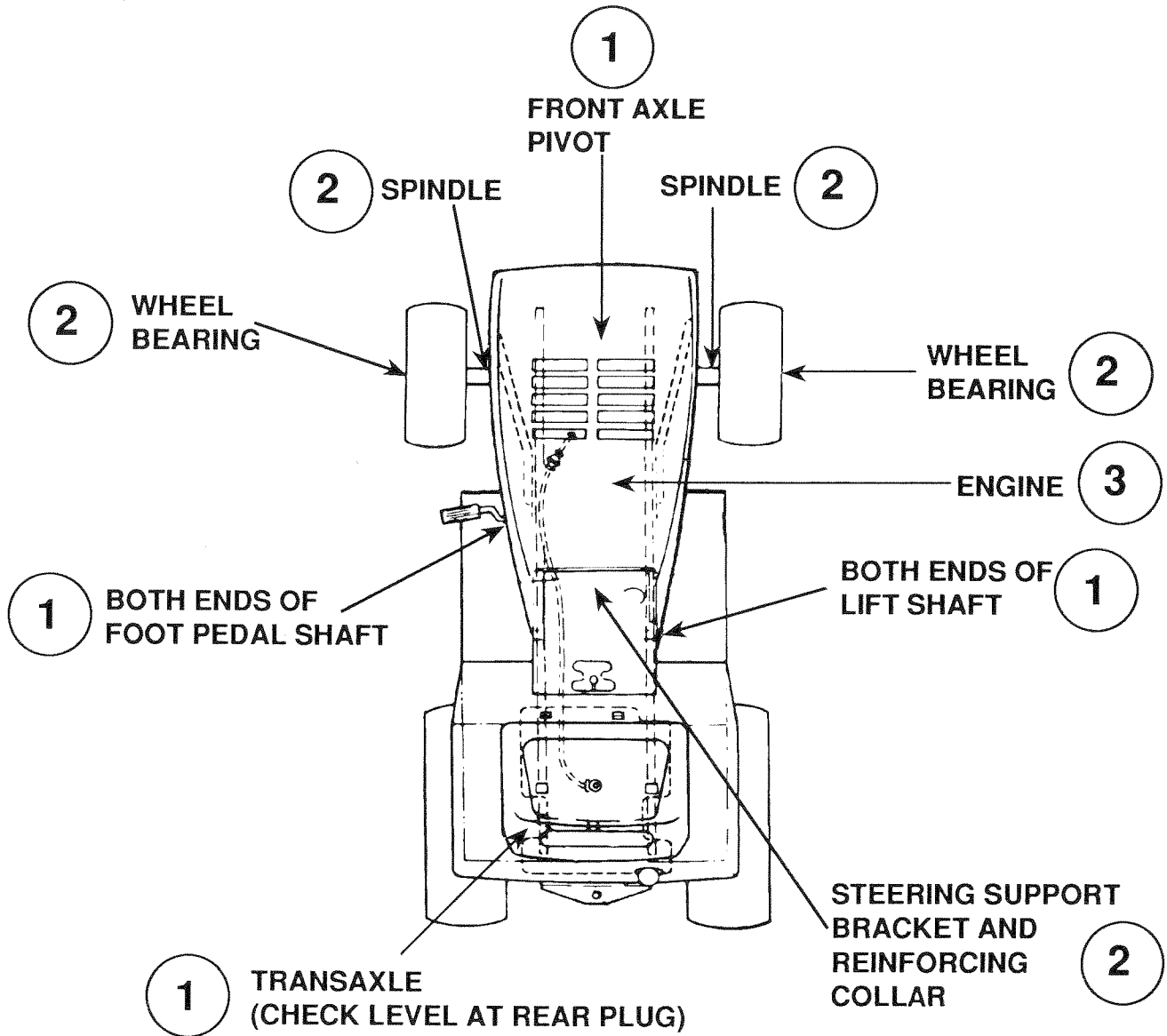
Clean Engine, Battery, Seat, finish, etc. of all foreign matter.

## 6. Store in a Clean, Dry Area

SERVICE RECORD	SERVICE DATES					
	AS NEEDED	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 200 HOURS
Change Engine Oil			✓			
Lubricate Pivot Points (see page 14)			✓			
Check Brake Operation	✓					
Clean Air Screen			✓			
Clean Air Filter and Precleaner			✓			
Replace Air Cleaner Paper Cartridge					✓	
Clean Engine Cooling Fins				✓		
Replace Spark Plug					✓	
Check Battery Level			✓			
Check Tire Pressure	✓					
Replace Fuel Filter						✓
Clean Battery and Terminals			✓			
Check Muffler				✓		
Lubricate Ball Joints					✓	
Carburetor Adjustment	✓					
V-Belt Adjustment	✓					

American Yard Products, Inc. reserves the right to make any changes in design or improvements without imposing any obligation to install the same upon it's items heretofore manufactured.

# LUBRICATION CHART



1 SAE 30 (SD, SE OR SF) MOTOR OIL

2 EXTREME PRESSURE LUBRICATING GREASE

3 REFER TO ENGINE OIL SPEC'S IN KOHLER ENGINE OWNER'S MANUAL INCLUDED WITH YOUR TRACTOR

# LOWER INSTALLATION

Remove banding from Suspension Arms and Gauge Wheels. Set Gauge Wheels aside for later assembly. Slide Mower under Tractor, Deflector to right hand side.

Slide Front Suspension Brackets into Mower Brackets. Retain with Release Pins (Fig. 33). Turn Depth Adjustment Knob counterclockwise (↺) until it stops. Push Attachment Lift Lever forward to lower mower linkage.

Slide Studs through Lift Links on both sides of Tractor (Fig. 32). Retain with Washers and Retainer Springs.

Place the Suspension Arms on Brackets on both sides of Frame (Fig. 32). Retain with Washers and Retainer Springs.

Turn Depth Adjustment Knob (Fig. 33) clockwise (↻) to remove slack from Mower Suspension.

Roll Mower Drive Belt over Primary Mandrel (Fig. 34).

Pull Mower Drive Belt over Front Mower Suspension Bracket (Fig. 35).

Insert Gauge Wheel Bar into Bracket. Retain with Clevis Pin and Retainer Spring (Fig. 36).

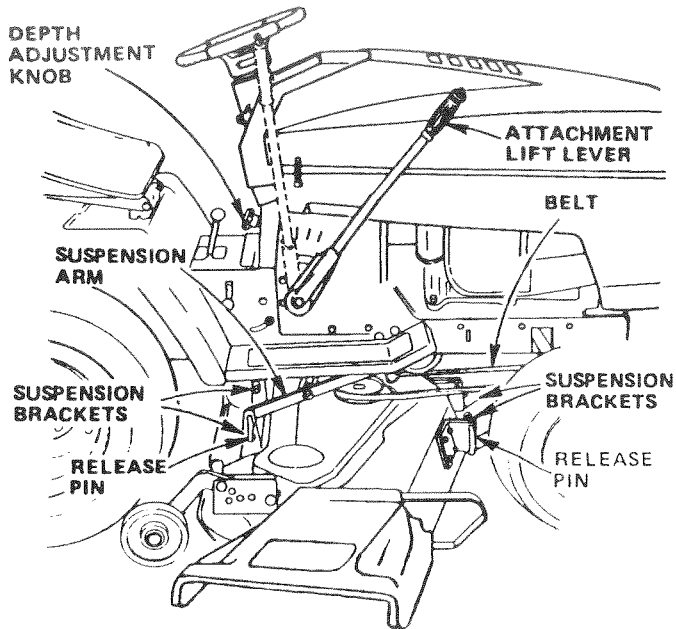


FIGURE 33

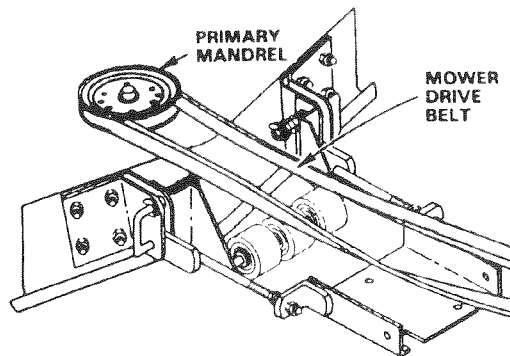


FIGURE 34

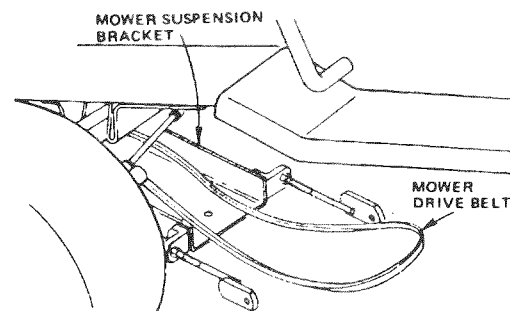


FIGURE 35

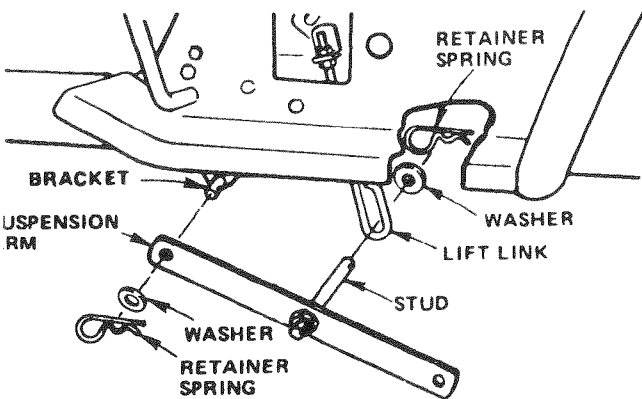


FIGURE 32

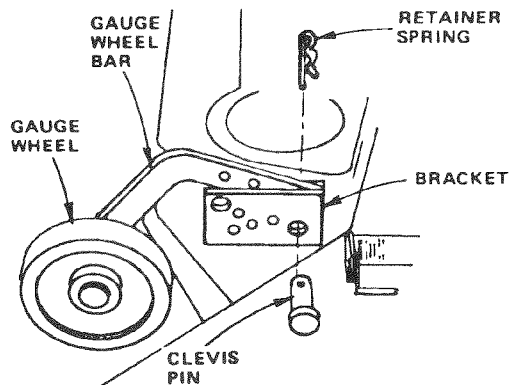


FIGURE 36

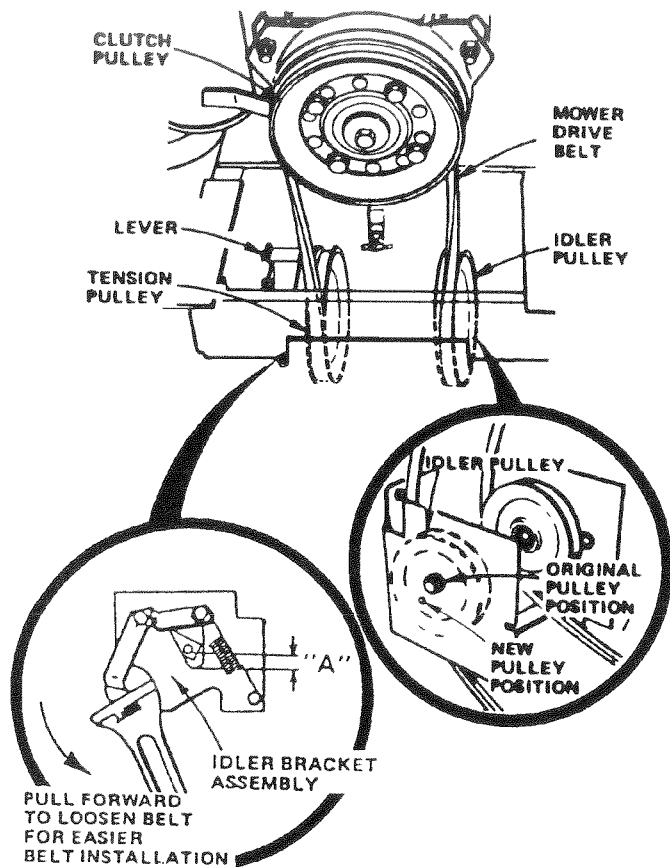


FIGURE 37

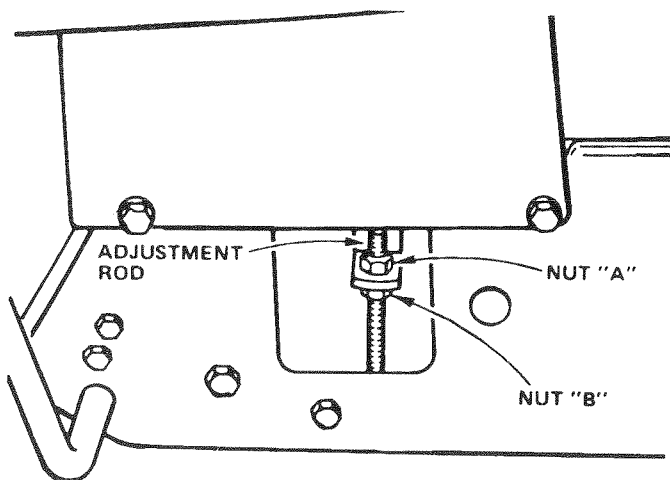


FIGURE 38

## DRIVE BELT INSTALLATION

Place Mower Drive Belt over Clutch Pulley and under Idler Pulley and Tension Pulley (Fig. 37). NOTE: PULL LEVER UP TO SWING TENSION PULLEY FOR BELT CLEARANCE. Make sure narrow "V" side of Belt is engaged with each pulley.

## BELT ADJUSTMENT

1. Lower mower.
2. If dimension "A" on Idler Bracket Assembly measures 1/4" or less, Mower Drive Belt must be adjusted (Fig. 37 - Inset).
3. Move Attachment Clutch Switch to disengaged position (Fig. 43).
4. Remove Bolt, Flat Washers, Lockwasher and Nut from Idler Pulley (Fig. 37 - Inset) (original position).
5. Place V-Belt and Idler Pulley in "NEW" Pulley position (Fig. 37 - Inset). Replace Bolt, Flat Washers, Lockwasher and Nut. Tighten securely.
6. Check V-Belt for proper installation on all Pulley Grooves.

## MOWER ADJUSTMENT

With the engine stopped, adjust the mower while tractor is parked on level ground or driveway. NOTE: MOWER SHOULD BE IN LOWEST CUTTING POSITION. Make sure tire pressures are correct.

## SIDE TO SIDE ADJUSTMENT

1. Use a ruler to make sure bottom of curl at REAR of mower deck are the same height from the ground on each side. Measure from points indicated w/arrows (Fig. 41).
2. If adjustment is required, snap out Access Cover on L.H. side of tractor above Foot Rest (Fig. 38).
3. Move Attachment Lift Lever to full "UP" position (Fig. 39).
4. To lower right side of mower, loosen Nut "B" and screw Nut "A" down on Adjustment Rod (Fig. 38).
5. To lower left side of mower, loosen Nut "B" and screw Nut "A" up on Adjustment Rod.
6. Adjust until both rear mower flanges are the same height from bottom of curl to ground level. Tighten Nuts "A" and "B" securely. Snap Access Cover in place.

## FRONT TO REAR ADJUSTMENT

Move Attachment Lift Lever to full "UP" position (Fig. 39). After leveling side to side, measure Bottom of Curl at R.H. Front Flanges at FRONT AND REAR OF MOWER. The Front Flange should measure 3/4" lower than at the REAR flange (Fig. 41). If adjustment is required, follow procedure below.

### TO RAISE FRONT OF MOWER

Loosen Nuts "D". Screw Nuts "C" up onto Suspension Arms (Fig. 40). NOTE: SCREW NUTS "C" ON BOTH SUSPENSION ARMS THE SAME NUMBER OF TURNS SO MOWER WILL REMAIN LEVEL. Tighten Nuts "D" securely.

### TO LOWER FRONT OF MOWER

Loosen Nuts "C", Screw Nuts "D" down Suspension Arms. NOTE: SCREW NUTS "D" THE SAME NUMBER OF TURNS SO MOWER WILL REMAIN LEVEL. Tighten Nuts "C" securely.

With mower deck at desired height, set Gauge Wheels (Fig. 39) to lowest position without touching the ground.

Adjust Lift Lever to set mower at the approximate cutting height you need. Use Clevis Pins (Fig. 39) to set gauge wheels at lowest point without touching the ground.

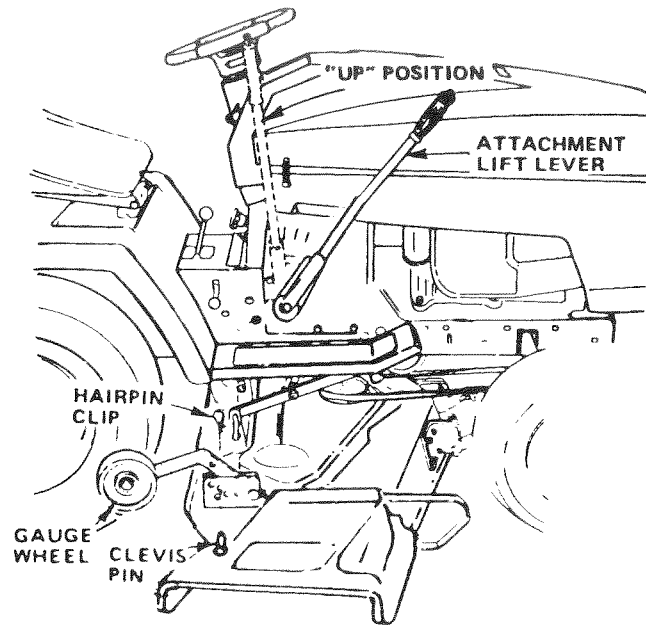


FIGURE 39

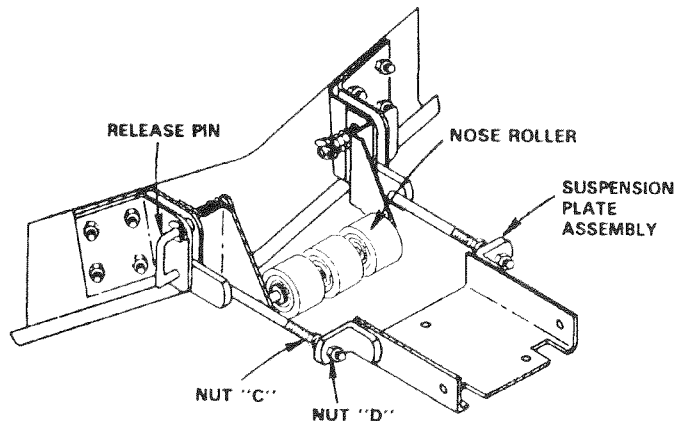
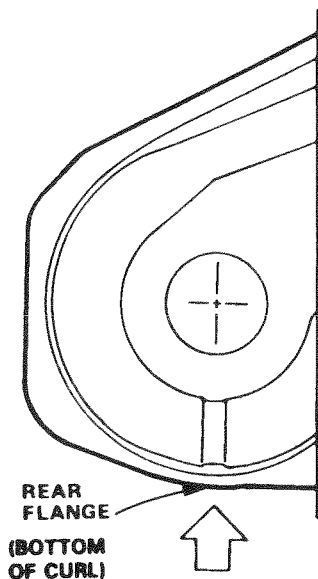


FIGURE 40



MOWER DECK - TOP VIEW

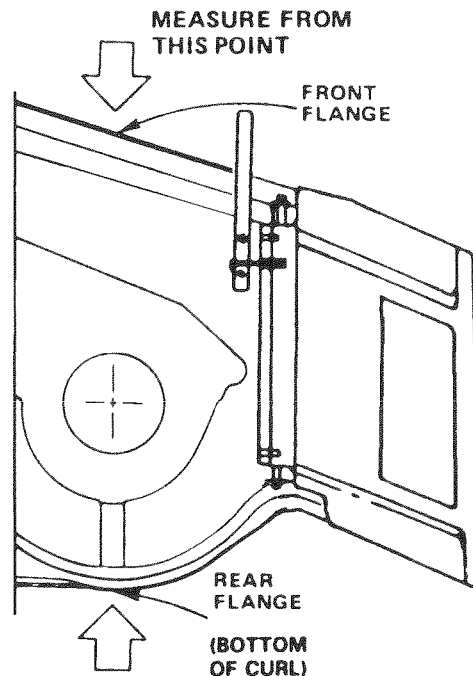


FIGURE 41

## MOWER OPERATION

When ready to mow, lower Attachment Lift Lever (Fig. 42) to preferred mower height. Select a gear that allows mowing at full throttle. This allows the mower blades to lift and cut the grass efficiently.



**BEFORE DRIVING THE TRACTOR, INSTALL MOWER OR REMOVE FRONT MOWER SUSPENSION BRACKET.**

NOTE: THIS 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.

### MOWER ENGAGEMENT

Pull Attachment Clutch Switch (Fig. 43) out and up to engage clutch. There will be an engine hesitation as the clutch engages.

### DEPTH ADJUSTMENT

Fine adjustment of mower height is controlled by the Depth Adjustment Knob. Turn clockwise (↻) to raise mower. Turn counterclockwise (↺) to lower mower (Fig. 43).



**NEVER REMOVE DEFLECTOR. KEEP HANDS AND FEET FROM UNDER MOWER.**

Use the Runner on the right hand side as a guide; the blade cuts approximately an inch outside the runner (Fig. 44).

### CAUTION

1. Keep all Shields in place
2. Before leaving operator's position:
  - a. Shift transmission to neutral.
  - b. Set parking brake.
  - c. Disengage attachment clutch.
  - d. Shut off engine.
  - e. Remove ignition key.



**NEVER ENGAGE ("ENGAGE" POSITION) MOWER EXCEPT WHEN SITTING ON TRACTOR SEAT.**

TIRE CHAINS CANNOT BE USED WITH THE MOWER HOUSING ATTACHED.



**READ THE "RULES FOR SAFE OPERATION" CAREFULLY BEFORE OPERATING YOUR MOWER.**

3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.
5. Use Attachment Lift Lever to lower mower into cutting position. Average cutting height is approximately 2-1/2 to 2 - 3/4 inches. Height of cut can be adjusted by means of the Depth Adjustment Knob (Fig. 43). Turn Depth Adjustment Knob clockwise (↻) or counterclockwise (↺) to match preselected Lift Control Lever mowing height.

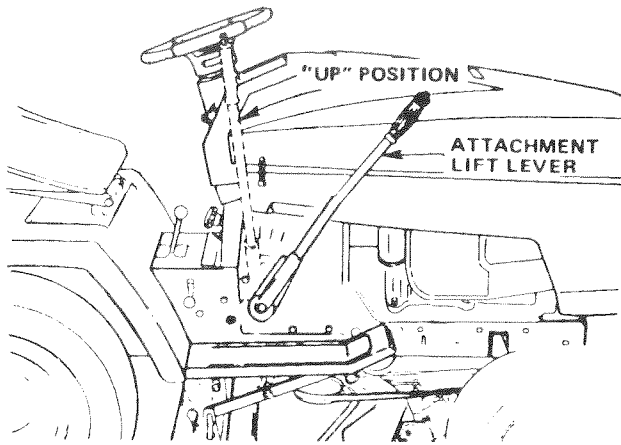


FIGURE 42

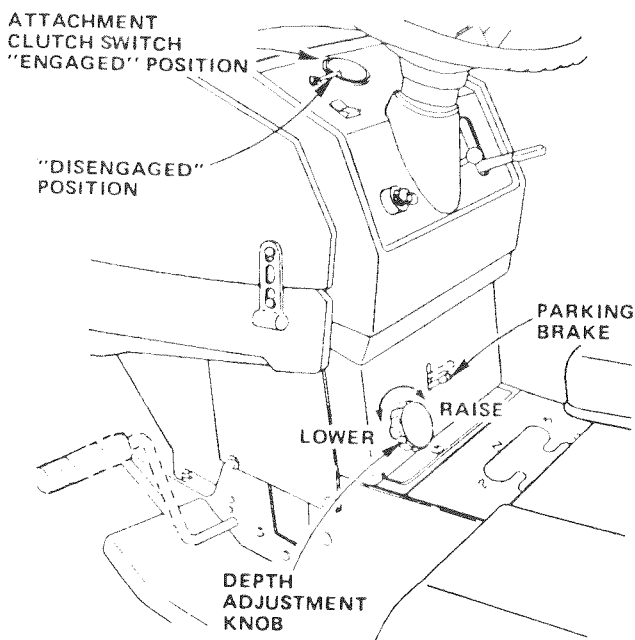


FIGURE 43

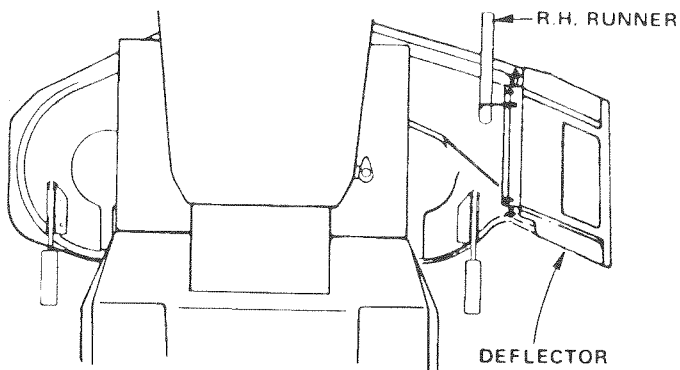


FIGURE 44



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 (Fig. 45), start by turning to the right so that the clippings will be discharged away from shrubs, fences, driveways, etc. After two or three rounds, mow in the opposite direction making left hand turns until finished. If grass is extremely tall, it should be mowed twice. The first time cut relatively high. The second time to the desired height. The left hand side of mower should be used for trimming.

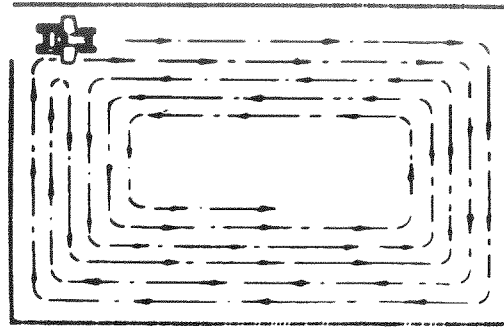


FIGURE 45

## OWER MAINTENANCE ISTRUCTIONS

**BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR: PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. MOVE GEAR SHIFT CONTROL LEVER TO "N" NEUTRAL POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. DISENGAGE ATTACHMENT CLUTCH SWITCH (FIG.43).**

**SHUT OFF THE ENGINE. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED. REMOVE THE IGNITION KEY. DISCONNECT THE SPARK PLUG WIRES FROM THE SPARK PLUGS AND KEEP WIRES AWAY FROM THE PLUGS TO PREVENT INJURY FROM ACCIDENTAL STARTING.**

### BLADE CARE

For best results, mower blades must be kept sharp. The blades can be sharpened with a few strokes of a file or on a grinding wheel. We suggest they be sharpened after every 15 hours of mowing. Do not attempt to sharpen while mowing. If you mow in sandy soil check the blades after every two mowings. The sand wears the blade away rapidly.

When grinding, care should be taken to maintain blade balance and the blade should be checked for proper balance before reinstallation on mower. Unbalanced or bent blade will cause excessive vibration when running and eventual damage to mower or engine. Replace bent or damaged blades.

To check Blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place Center Hole of clean Blade over the head of the nail (Fig. 46).

Place CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 46. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED AND MUST BE REPLACED.

2. To ensure satisfactory operation, it is recommended that before the start of each mowing season, the old blades be discarded and replaced with new blades.

### BLADE REPLACEMENT

It is not necessary to remove mower from tractor for blade replacement. Raising the Attachment Lift Lever will permit access to blades.

1. Remove the Hex Head Bolt, Lockwasher and Flat Washer (Fig. 47).
2. Install new blade with SHARP EDGE DOWN and secure with Flat Washer, Lockwasher and Hex Head Bolt. TIGHTEN SECURELY.

**ALWAYS USE GRADE 5 HEAT TREATED BOLTS TO ATTACH BLADES. CHECK BOLTS IN BLADES OCCASIONALLY TO MAKE SURE BOLTS ARE TIGHT. TORQUE BOLTS TO 25 - 35 FT. LBS.**

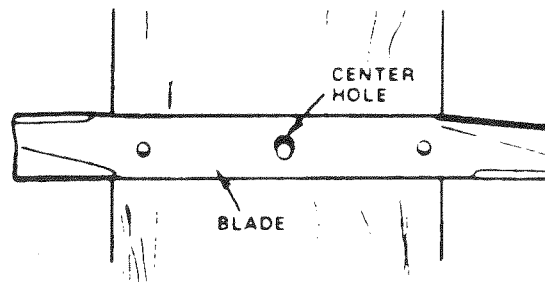


FIGURE 46

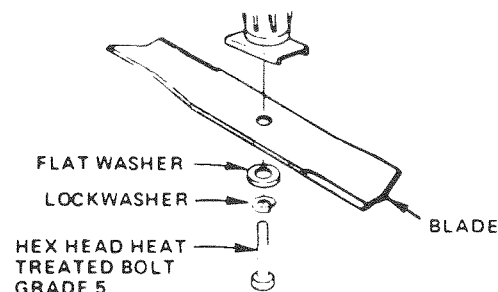


FIGURE 47

POWER  
TAKE-OFF  
CLUTCH

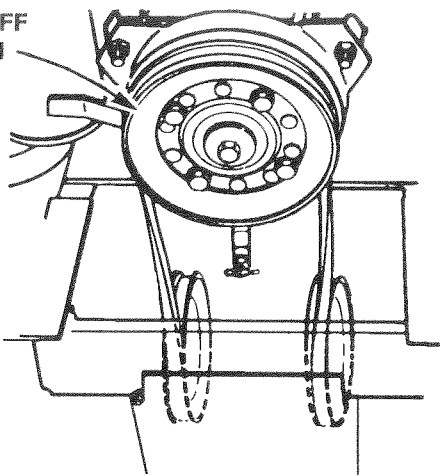


FIGURE 48

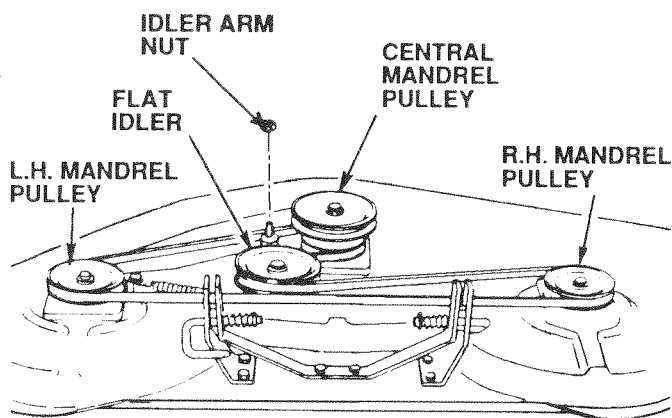
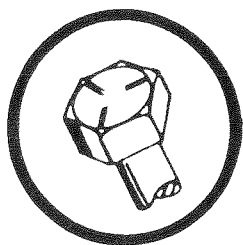


FIGURE 49



A GRADE 5 HEAT TREATED BOLT CAN BE IDENTIFIED BY THREE LINES INDICATED ON THE BOLT HEAD AS SHOWN AS LEFT.

## DAILY MAINTENANCE

Make sure all nuts on bolts are tight, cotter pins and retainer springs are secure. Keep blades sharp. Observe all safety precautions. Keep mower will lubricated.

## AS NEEDED

Make sure all nuts on bolts are tight and cotter pins are secure. Observe all safety precautions. Keep Tractor well lubricated.

## CLEANING MOWER



**DISCONNECT SPARK PLUG WIRES TO PREVENT ACCIDENTAL STARTING BEFORE CLEANING.**

Water pressure from a garden hose will remove fresh clipping from underside of mower. Clean mower after each mowing.

## POWER TAKE - OFF CLUTCH

The Power Take-Off Clutch (Fig. 48) should provide years of service. The Clutch incorporates a built in brake that stops the Pulley almost immediately. Eventually, the internal brake will wear so the mower blades will not stop as recommended. Adjustment should be made by an AYP Service Technician.

## OUTER BLADES DRIVE BELT (CENTER TO OUTER MANDRELS)

### BELTRROUTING DECAL UNDER MOWER DECK COVER.

1. Remove Mower from Tractor.
2. Remove Top Cover Screws and Nut from Idler Arm Bolt.
3. Roll Belt over the top of the R.H. Mandrel.
4. Pull Belt off all other Mandrels.
5. Remove any dirt and grass which may have accumulated around Mandrels and Idler Arm.
6. Check Deck Idler Arm Assembly and Flat Idler to see that they rotate freely (Fig. 49).
7. Be sure spring is hooked in Deck Idler Arm Assembly and on bolt in Mower Housing (Fig. 49).
8. Install new Belt in groove of L.H. Mandrel Pulley, lower groove of Center Mandrel Pulley and around Flat Idler as shown (Fig. 49).
9. From a position at discharge end of mower, roll Idler Belt into groove of R.H. Mandrel Pulley (Fig. 49).
10. Rotate Center Mandrel Pulley by hand to make sure Belt is in grooves properly.



**BLADES WILL ROTATE WITH CENTER MANDREL SHEAVE.**

11. Reassemble Top Cover to Deck. Tighten all Screws securely.
12. Install Mower to tractor .

## MOVING MOWER FROM TRACTOR

Lower Mower using Attachment Lift Lever.

Pull the four (4) Release Pins out of Suspension Brackets (Fig. 50).

Pull back on Attachment Lift Lever and lock into place.

Slide Mower forward and remove Belt from Primary Mandrel.

Slide Mower out from under tractor. The Attachment Lift Lever must be in the highest position.

NOTE: IF AN ATTACHMENT OTHER THAN THE MOWER IS TO BE MOUNTED ON THE TRACTOR, THE L.H. AND R.H. SUSPENSION ARM (Fig. 50) SHOULD BE MOVED FROM TRACTOR.

NOTE: WHEN OPERATING TRACTOR WITHOUT MOWER, REMOVE IDLER BRACKET FROM FRONT OF TRACTOR.

Pull Belt up through Idler Bracket and out of tractor. Use Lever to swing Tension Pulley for Belt removal.

Remove Lockwashers and Nuts from Idler Bracket.

## ORAGE

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. Give blades and underside of housing a good coat of grease or rust preventative. Store in a clean, dry area.

## ATTACHMENT LIFT ADJUSTMENT

NOTE: ONLY INSTALLED ON TRACTORS WITHOUT ELECTRIC LIFT ASSIST.

Due to different weights of Attachments, the Attachment Lift Spring may require adjustment. The adjustment Bolt is located on rear of tractor top left side (Fig. 51).

Hold Spring Bushing with Wrench, loosen Jam Nut.

Turn Adjustment Bolt clockwise (↻) to extend Spring and reduce lift effort (for heavier Attachment).

Turn Adjustment Bolt counterclockwise (↺) (for lighter Attachments).

Retighten Jam Nut against Spring Bushing.

NOTE: DO NOT ADJUST FOR MAXIMUM SPRING TENSION WHEN USING LIGHT ATTACHMENTS SUCH AS MOWER. ADJUST LIFT SPRING TO AID IN LIFTING ATTACHMENT. DON'T OVER POWER SPRING. WHEN MOVING ATTACHMENT, ALWAYS ADJUST WITH SPRING TENSION TO ITS LOWEST POSITION.

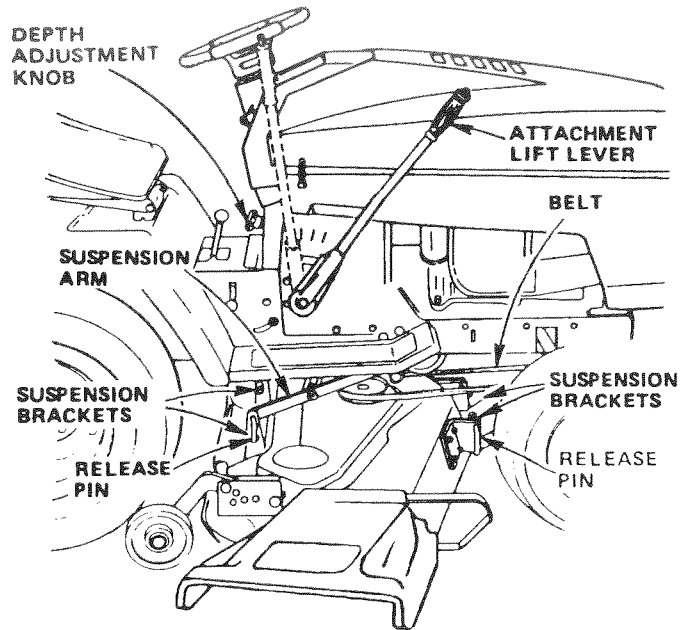


FIGURE 50

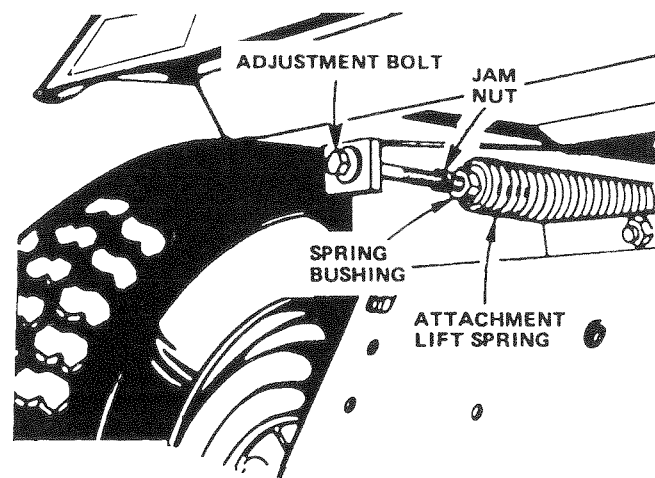


FIGURE 51

# TROUBLE SHOOTING

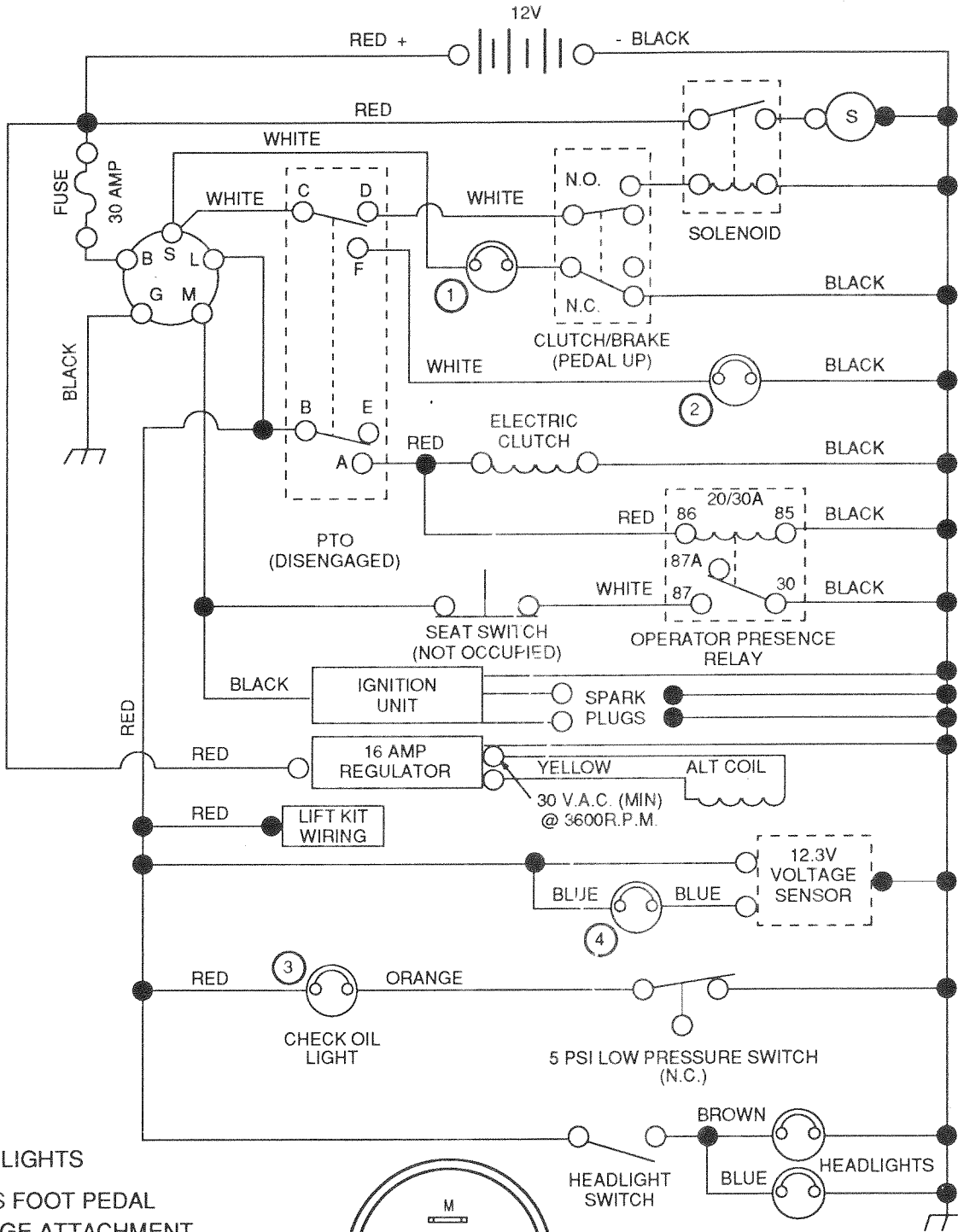
POSSIBLE CAUSE	POSSIBLE REMEDY
<p><b>NO LIGHTS</b> No Headlights with Light Switch in "ON" position and Engine running</p>	<p>Check wire Connection and Switch Replace Light Bulbs</p>
<p><b>WON'T CHARGE</b> Blown Fuse Defective Battery or loose Wiring</p>	<p>Check for fault and replace Fuse Repair Wiring or replace Battery</p>
<p><b>OPERATOR PRESENCE SYSTEM WILL NOT SHUT DOWN ENGINE WHEN OPERATOR LEAVES SEAT</b> NOTE: This Tractor is equipped with an operator presence sensing system. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut down the engine.</p>	<p>Engage Attachment Clutch Check all Wire Connections Check Seat Switch Check Operator Presence Relay Check PTO Switch</p>
<p><b>INDICATOR LIGHTS LIT</b></p>	<p>"Check Oil": Check oil level Check oil pump Oil could be too light or diluted</p> <p>"Battery Discharging": Move Throttle Control to fast position</p> <p>"Depress Foot Pedal": Push Clutch/Brake pedal into brake position</p> <p>"Disengage Attachment": Move Attachment Clutch switch to disengaged position</p>

**ENGINE TROUBLESHOOTING** - Refer to your Kohler Engine Owner's Manual included with Tractor

# SERVICE NOTE

# GT 18 TWIN GARDEN TRACTOR

## SCHEMATIC

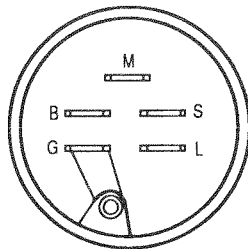


### INDICATOR LIGHTS

- ① DEPRESS FOOT PEDAL
- ② DISENGAGE ATTACHMENT
- ③ CHECK OIL
- ④ BATTERY DISCHARGING

### WIRING INSULATED CLIPS

NOTE: If wiring insulated clips were removed for servicing of unit, they should be replaced to properly secure your wiring.

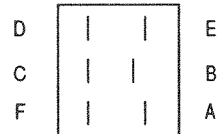


IGNITION SWITCH

POSITION	CIRCUIT
OFF	M-G
ON	B-L
START	B-S

PTO SWITCH

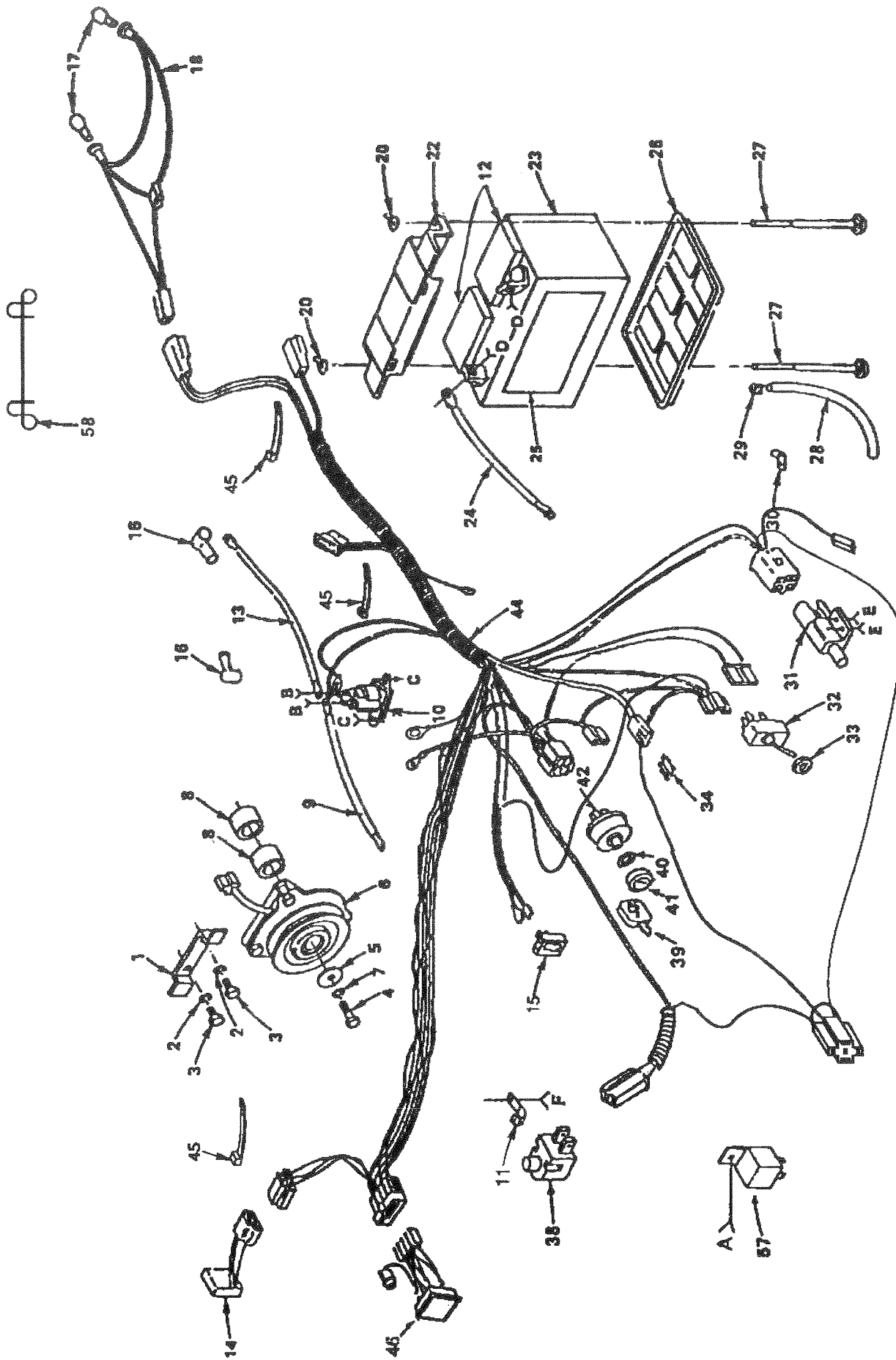
POSITION	CIRCUIT MAKE
OFF	B&E, C&D
ON	B&A, C&F





18 HP GARDEN TRACTOR

ELECTRICAL

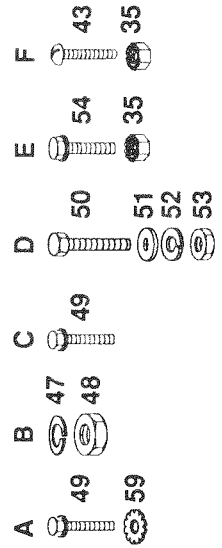


# REPAIR PARTS

## ELECTRICAL

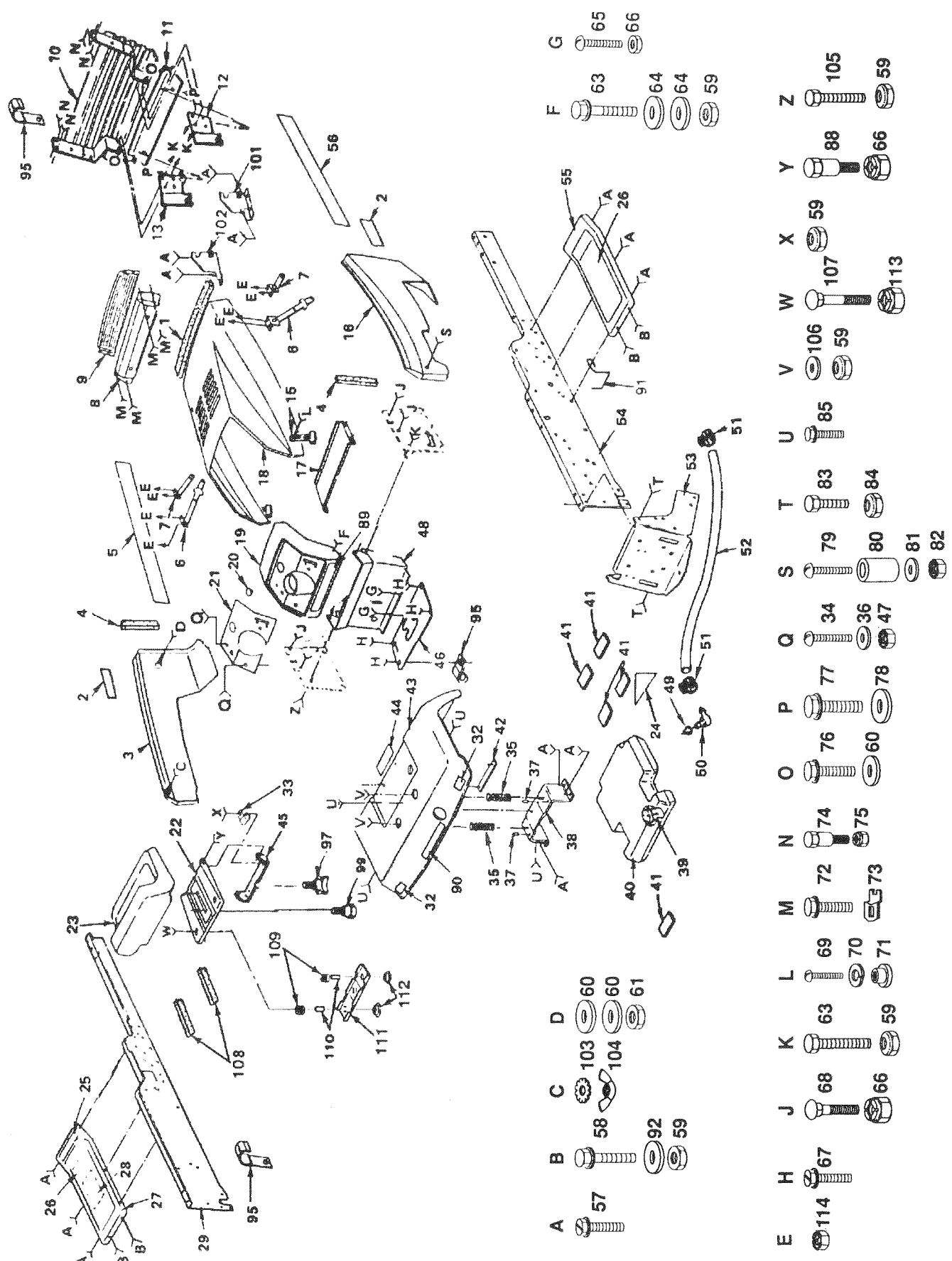
## 18 HP GARDEN TRACTOR

KEY PART NO.	DESCRIPTION	KEY PART NO.	DESCRIPTION
1	110882X	32	109626X
2	10040600	33	4022J
3	74780612	34	6347R
4	74610724	35	73951000
5	108252X	38	121305X
6	109550X	39	122147X
7	10040700	40	109788X
8	106367X	41	109787X
9	4206J	42	4406R
10	109081X	43	74641008
11	4171R	44	121166X
12	121264X	45	7192J
13	5115J	46	109555X
14	109554X	47	10090400
15	110712X	48	73350400
16	719J	49	17190408
17	7662J	50	74760412
18	110859X	51	19091016
20	123198X	52	10040400
22	102476X	53	73220400
23	121537X	54	71031008
24	4207J	57	109748X
25	121549X	58	121465X
26	7603J	59	11050600
27	72240460	—	124609X
28	100541K	—	124610X
29	109596X	—	101539X
30	100207K	—	101572X
31	109553X		



18 H P GARDEN TRACTOR

FRAME, FENDER AND DRAWBAR



# REPAIR PARTS

## 18 HP GARDEN TRACTOR

### FRAME, FENDER AND DRAWBAR

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	109458X	Strip, Foam	41	106082X	Pad-Spacer
2	124053X	Decal-Hood, GTK18	42	105511X	Strap-Fender
3	121888X388	Panel-Side, L.H.	43	121642X388	Fender
4	106088X	Strip-Foam	44	120822X	Decal-Caution
5	123965X	Decal-Hood, L.H.	45	105513X	Bracket-Pivot, Seat
6	106784X	Strap Assembly-Hinge,	46	106042X013	Cover, Shift-Gate
7	104618X	Rear	47	73510500	Nut, Keps 5/16 - 18
8	104613X	Strap Assembly-Hinge,	48	104608X	Dash, Assembly
9	106395X	Front	49	3645J	Bushing
10	122100X	Bezel Assembly	50	8710J	Stem-Tank Fuel
11	105419X388	Lens	51	123487X	Clamp-Hose
12	110854X	Grill Assembly	52	7834R	Fuel Line
13	110855X	Strap-Grill	53	7982J	Drawbar
14	109808X	Support-Grill, R.H.	54	110892X	Rail-Frame-RH
15	121887X388	Support-Grill, L.H.	55	105464X388	Footrest-RH.
16	7985J	Latch-Hood	56	123966X	Decal-Hood RH.
17	121886X388	Panel-Side, RH.	57	17490612	Screw-Hex Washer Thread
18	8022J	Support-Battery	58	74760612	Rolling 3/8-16 x 3/4
19	121448X011	Hood	59	73680600	Nut-Lock 3/8-16
20	124294X	Dashboard	60	19091216	Washer 9/32 x 3/4 x 10 Ga
21	124294X	Plug-Dash	61	73220400	Nut-Hex 1/4-20
22	110840X	Dashplate	63	74760616	Bolt-Hex 3/8-16 x 1
23	110840X	Panel-Seat	64	19131316	Washer 13/32 x 13/16 x 16 Ga.
24	110892X	Seat	65	74180512	Screw-Mach. Cr Thd. 5/16-18 x 3/4
25	108256X	Decal, Safety Std.	66	73680500	Nut-Crownlock 5/16-18
26	105465X388	Decal-Clutch/Brake	67	17240408	Screw-Hex Washer Thd.
27	123243X	Pad-Footrest	68	72140506	Cutting 1/4-20 x 1/2
28	123243X	Footrest-L.H.	69	74191008	Bolt-Carriage 5/16-18 x 3/4
29	110893X	Decal-Drive Belt	70	10071000	Screw-Cr. Pan. Mach.
30	106202X	Schematic	71	2029J	No. 10-24 x 1/2
31	2751R	Rail-Frame-L.H.	72	17211010	Washer, Lock No. 10
32	106202X	Reflector-Tailight	73	104755X	Nut-Weld
33	2751R	Clip-Insulated	74	123481X	Screw-Hex Washer Hd Tap
34	74180512	Screw, Mach. hd. 5/16 - 18 x 3/4	75	73680400	No. 10-16 x 5/8 Type AB
35	124181X	Spring-Compression	76	17190412	"J" Fastener
36	19111116	Washer, 11/32 x 11/16 x 16Ga	77	17490512	Bolt-Shoulder 1/4-20
37	105531X	Nut-Push	78	19111212	Nut-Flange Lock 1/4-20
38	105509X	Bracket-Fender	79	74981020	Nut-Keps 1/4-20
39	123549X	Cap-Fuel	80	7206J	Spacer Split No 10 x 3/4
40	106020X	Tank-Fuel	81	19070818	Washer 7/32 x 1/2 x 18 Ga.
			82	73731000	Nut-Keps No 10-24
			83	74760716	Bolt-Hex 7/16-14 x 1
			84	73680700	Nut-Lock 7/16-14
			85	17490608	Screw-Hex Washer Thread
			88	105529X	Rolling 3/8 x 16 x 1/2
			89	108813X	Bolt-Shoulder
			90	123964X	Decal
			91	105500X	Decal
			92	19131312	Retainer, Belt, Lower
			95	4171R	Washer 13/32 x 13/16 x 17 Ga.
			97	120068X	Clip, Insulated
			99	121144X	Knob
			101	110853X	Bolt Shoulder 5/16-18
			102	110852X	Bracket Ass'y Pivot Frame R.H.
			103	11030400	Bracket Ass'y Pivot Frame L.H.
			104	73490400	Washer-Lock 1/4-20 Int./Ext. Tooth
			105	74760620	Nut Wing 1/4-20
			106	19131614	Bolt-Hex, 3/8-16 x 1-1/4
			107	72170410	Washer, 13/32 x 1 x 14 Ga.
			108	121251X	Bolt-Carr, 1/4-20 x 1-1/4
			109	121250X	Foam Strip
			110	121249X	Spring, Compression
			111	121246X	Spacer, Split
			112	121248X	Bracket, Switch
			113	123976X	Bushing, Snap
			114	73510400	Nut-Flange Lock 1/4-20

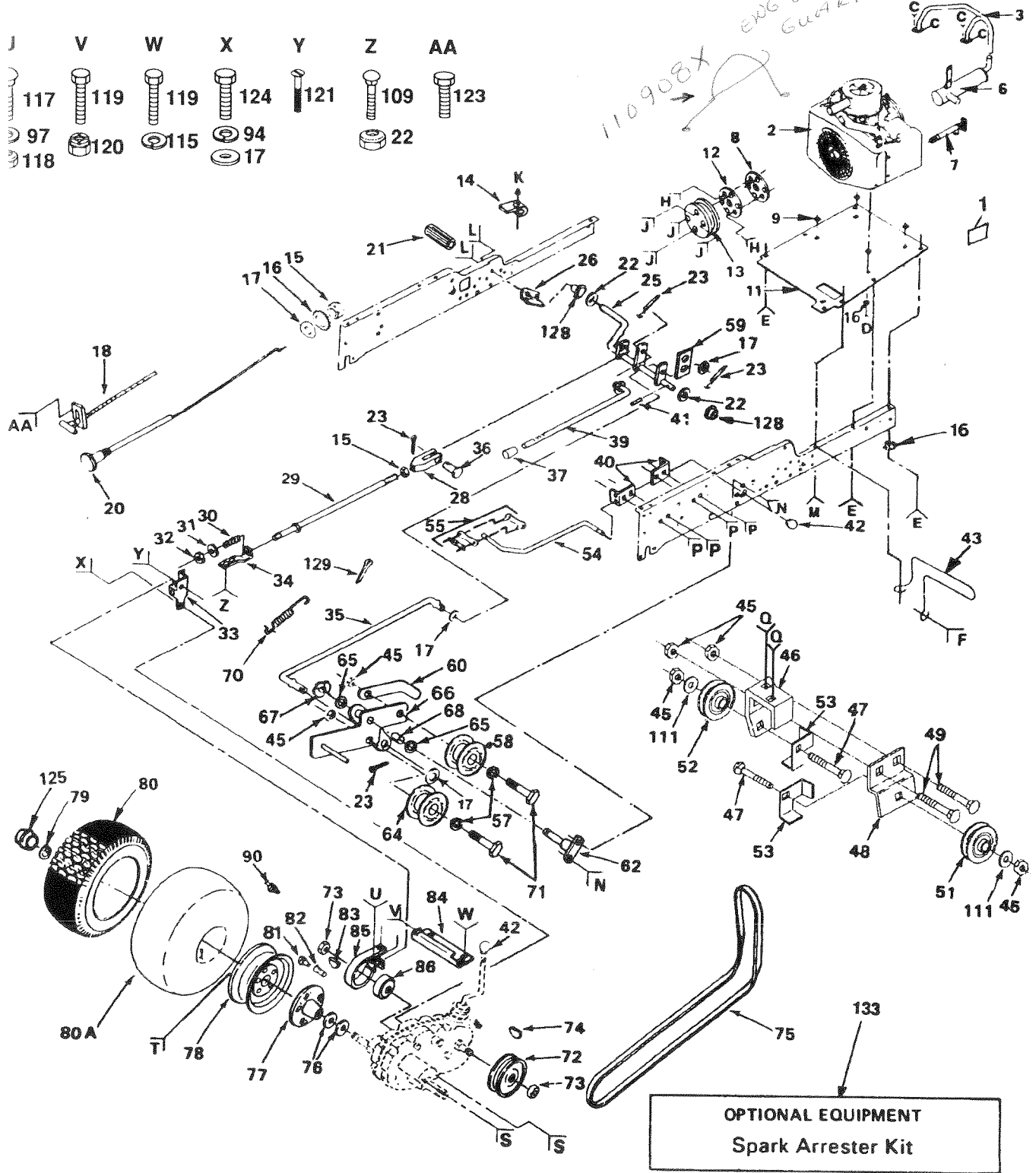
# EPAIR PARTS

## 18 H P GARDEN TRACTOR

### ROUND DRIVE

- |                       |                      |                       |                              |                       |                 |                        |                       |                             |                       |                        |                       |                        |                 |
|-----------------------|----------------------|-----------------------|------------------------------|-----------------------|-----------------|------------------------|-----------------------|-----------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------|
| <b>C</b><br>96<br>131 | <b>D</b><br>98<br>45 | <b>E</b><br>100<br>45 | <b>F</b><br>108<br>111<br>45 | <b>H</b><br>101<br>94 | <b>J</b><br>102 | <b>K</b><br>103<br>104 | <b>L</b><br>105<br>89 | <b>M</b><br>98<br>111<br>45 | <b>N</b><br>101<br>45 | <b>P</b><br>126<br>110 | <b>Q</b><br>107<br>45 | <b>S</b><br>114<br>115 | <b>T</b><br>116 |
|-----------------------|----------------------|-----------------------|------------------------------|-----------------------|-----------------|------------------------|-----------------------|-----------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------|

- |                              |                        |                        |                             |                 |                       |                  |
|------------------------------|------------------------|------------------------|-----------------------------|-----------------|-----------------------|------------------|
| <b>J</b><br>117<br>97<br>118 | <b>V</b><br>119<br>120 | <b>W</b><br>119<br>115 | <b>X</b><br>124<br>94<br>17 | <b>Y</b><br>121 | <b>Z</b><br>109<br>22 | <b>AA</b><br>123 |
|------------------------------|------------------------|------------------------|-----------------------------|-----------------|-----------------------|------------------|



# REPAIR PARTS

## 18 H P GARDEN TRACTOR

### GROUND DRIVE

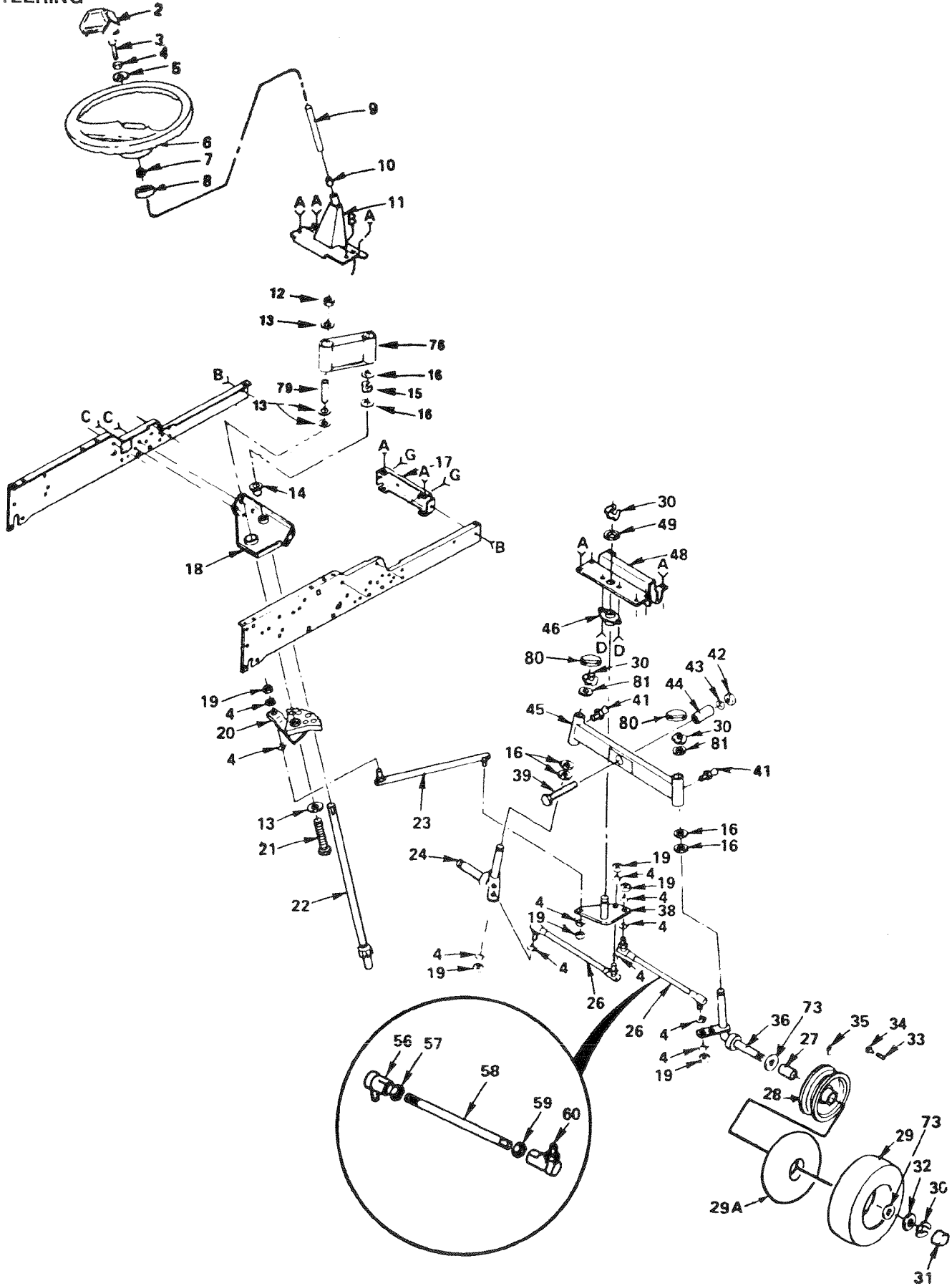
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	123249X	Decal, Engine	67	12000039	Klip Ring
2	M18S	Engine, 18 H.P. Spec. AYP # 124611X	68	105706X	Bearing, Idler
3	110891X	Tube Assembly - Exhaust	70	121357X	Spring, Extension
6	122546X	Muffler - Exhaust	71	74760628	Bolt, Hex 3/8-16 x 1-3/4
7	9767H	Oil Drain Valve	72	120332X	Pulley, Transaxle
8	110947X	Chaff Guard	73	9204H	Nut, Lock, 1/2-20
9	110869X	Spacer	74	9858M1	Key - Woodruff 3/16 x 5/8
11	110867X	Base - Engine	75	110883X	V-Belt
12	104577X	Adapter	76	7563R	Washer, Thrust, Axle
13	121355X	Pulley - Ground Drive	77	634A692	Bushing Assembly and Wheel Hub
14	5304J	Actuator- Switch, Interlock	78	106277X361	Rim Assy. Rear
15	73610600	Nut - Hex, 3/8-24	79	12000034	Klip Ring
16	11050600	Washer, Lock Ext. Tooth, 3/8	80	4607R	Tire, Rear
17	19131316	Washer, 13/32 x 13/16 x 16 Ga.	80A	7154J	Tube, Rear (Not furnished with tractor)
18	121467X	Control, Throttle	81	59192	Cap, Valve
20	121470X	Control, Choke	82	65139	Stem, Valve
21	8883R	Cover, Pedal	83	2228M	Key, Woodruff No. 9(3/16 x 3/4)
22	121749X	Washer, 25/32 x 1-1/4 x 16 Ga.	84	120404X	Bracket, Support, Transaxle
23	76020312	Pin, Cotter, 3/32 x 3/4	85	101122M	Band, Brake
25	104375X	Shaft, Foot Pedal	86	214J	Drum, Brake
26	104601X	Bracket, Interlock	89	73680400	Nut, Crownlock 1/4-20
28	100604K	Yoke	90	6856M	Fitting, Grease
29	5308J	Rod, Brake	94	10040600	Lockwasher, 3/8
30	7241J	Spring, Compression	96	74570512	Screw, Hex Socket Hd. 5/16-16 x 3/
31	19131614	Washer, 13/32 x 1 x 14 Ga.	97	10040400	Lockwasher, 1/4
32	73530600	Nut-Lock, 3/8- 24	98	74760620	Bolt - Hex 3/8-16 x 1-1/4 Gr. 5
33	677A637	Bracket, Brake	100	74760612	Bolt, Hex 3/8-16 x 3/4
34	7229J	Guide, Rod, Brake	101	74780616	Bolt, Hex Head 3/8-16 x 1 Gr. 5
35	101356L	Rod, Clutch	102	17190516	Screw, Hex 5/16-18 x 1
36	5102J	Pin, Clevis	103	74321016	Screw- Fin 10-24 x 1
37	71673	Cap, Plunger	104	73631000	Nut, Lock No. 10-24
39	109767X	Rod, Parking Brake	105	74760412	Bolt-Hex Head 1/4-20 x 3/4
40	105598X	Bracket, Rod, Shift	107	72110606	Bolt, Carriage 3/8-16 x 3/4 Gr. 5
41	5142H	Pin, Roll, 3/16 x 1-1/4	108	72140610	Bolt, Carriage 3/8-16 x 1-1/4
42	121466X	Knob	109	72110506	Bolt, Carriage 5/16-18 x 3/4
43	108885X	Muffler, Guard	110	73380500	Nut, Lock 5/16-18
45	73680600	Nut, Lock, 3/8 - 16	111	19131612	Washer, 13/32 x 1 x 12Ga.
46	121063X	Bracket, V-Pulley, Drive, Mule	114	74760720	Bolt, Hex 7/16-14 x 1-1/4
47	72110614	Bolt, Carriage, 3/8 - 16 x 1-3/4	115	10040700	Lockwasher, 7/16
48	122825X	Bracket, Idler, Flat	116	1304H	Bolt, Hub
49	72140606	Bolt, Carriage, 3/8 - 16 x 3/4	117	72140405	Bolt, Carriage, 1/4-20 x 5/8
51	102403X	Idler, Flat	118	73220400	Nut-Hex 1/4 - 20
52	101344L	Pulley, Idler	119	74760716	Bolt-Hex 7/16 - 14 x 1
53	122824X	Keeper, Belt	120	73680700	Nut-Crown Lock 7/16 - 14
54	122253X	Rod - Shift, Hi - Lo	121	74370612	Screw, Mach. Udrct. Flat Head, 3/8- 16 x 3/4
55	122268X	Connecting Link, Spring Clip	122	1685H	Nut, Lock 5/16-18
57	19131413	Washer, 13/32 x 7/8 x 13 Ga	123	17720410	Screw, Hex 1/4-20 x 1/2
58	104360X	Idler, Flat	124	74760614	Bolt, Hex 3/8-16 x 7/8
59	121358X	Retainer, Spring	125	104758X	Cap-Hub, Rear
60	121360X	Retainer, Belt	126	72140506	Bolt-Carriage 5/16-18 x 3/4
62	101358K	Bracket Assembly- Clutch	128	110895X	Nyliner
64	121361X	Idler, Grooved	129	76020816	Pin, Cotter 1/4x 1
65	207J	Washer, Hardened	131	10170500	Lockwasher 5/16
66	121356X	Bracket, Clutch W/Bearing ( Incl. Key No. 68)	133	120689X	Spark Arrester Kit



# REPAIR PARTS

## 18 H P GARDEN TRACTOR

### TEERING

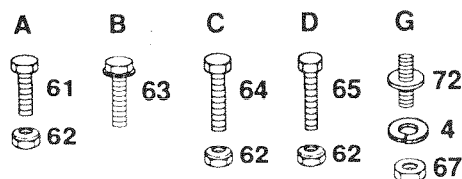


# REPAIR PARTS

## 18 H P GARDEN TRACTOR

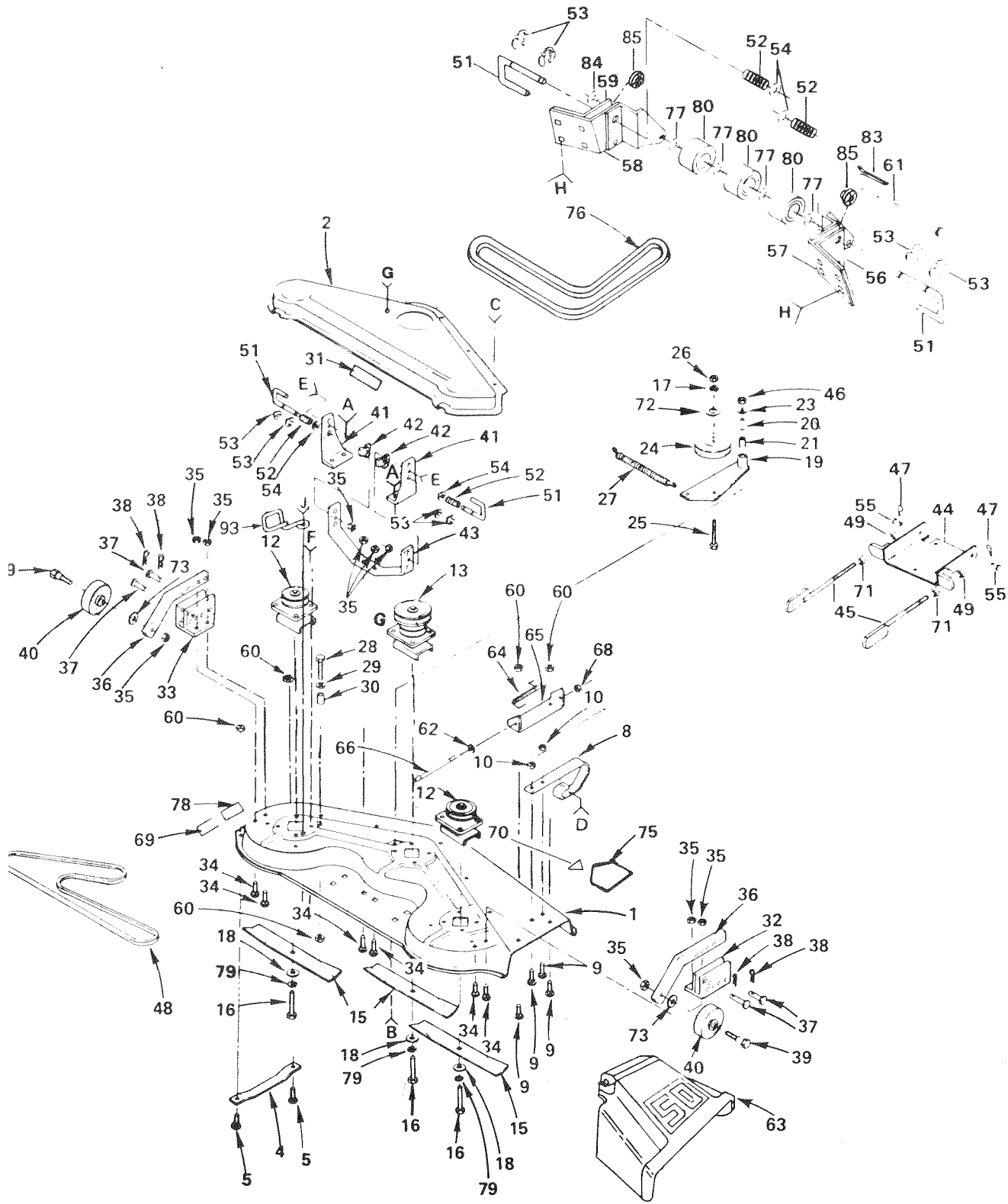
### STEERING

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
2	121584X	Insert - Steering Wheel	34	65139	Stem, Valve
3	74780616	Bolt - Hex 3/8-16 x 1 Gr. 5	35	278H	Fitting, Grease
4	10040600	Washer - Lock 3/8	36	121167X	Spindle, R.H.
5	19133808	Washer 13/32 x 2-3/8 x 8 Ga.	38	108137X	Bellcrank Assembly
6	121472X	Wheel, Steering	39	74781044	Bolt-Hex 5/8-11 x 2-3/4 Gr. 5
7	100711L	Adapter, Steering	41	6855M	Fitting, Grease
8	106943X	Spacer-Shaft Steering	42	73221000	Nut, Hex 5/8-11
9	108540X	Tube, Shaft	43	10041000	Washer, Lock 5/8
10	9038R	Bearing	44	5298J	Tube, Pivot, Axle
11	101274N	Support Assembly, Steering	45	677H999	Axle Assembly, Front
12	73680800	Nut, Lock 1/2-13	46	5292J	Bushing, Bellcrank
13	19172610	Washer 17/32 x 1-5/8 x 10 Ga.	48	5284J	Bracket, Axle
14	104239X	Bearing, Flanged	49	19292016	Washer 29/32 x 1-1/4 x 16 Ga.
15	12000034	Klip Ring	56	121161X	Joint-Tie Rod - L.H thread
16	6266H	Bearing, Thrust	57	73700600	Nut Hex Jam 3/8-24 L.H.
17	5213J	Bracket, Frame Front	58	121162X	Rod-Tie
18	102439X	Bracket, Support, Steering	59	73360600	Nut Hex Jam 3/8-24
19	73610600	Nut, Hex 3/8-24	60	121160X	Joint-Tie Rod-R H. Thread
20	120424X	Sector Assembly	61	74760612	Bolt Hex 3/8-16 x 3/4
21	74780880	Bolt - Hex 1/2-13 x 5 Gr. 5	62	73680600	Nut- Lock 3/8-16
22	104591X	Shaft, Steering	63	17490612	Screw- Hex Washer Thd. Rolling 3/8-16 x 3/4
23	110497X	Link, Drag	64	74780616	Bolt-Hex 3/8-16 x 1 Gr. 5
24	121168X	Spindle, L.H.	65	74760616	Bolt-Hex 3/8-16 x 1
26	121159X	Rod, Tie (Inc. Key #56-60)	67	73220600	Nut-Hex 3/8-16
27	9040H	Bearing	72	106615X	Pin Mounting, Idler Bracket
28	106228X361	Rim Assembly - 8" Front	73	121749X	Washer, 25/32 x 1-1/4 x 16 Ga.
29	3938R	Tire	76	121177X	Collar Weld Ass'y.
29A	8134H	Tube (not furnished with tractor)	79	120199X	Tube
30	12000029	Klip Ring	80	121232X	Dust Cap Cover
31	104757X	Cap, Hub, Front	81	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
32	121748X	Washer 25/32 x 1-5/8 x 16 Ga.			
33	59192	Cap, Valve			



# PAIR PARTS

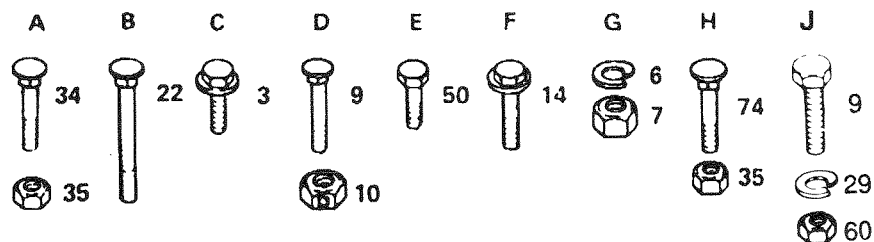
## MOWER



# REPAIR PARTS

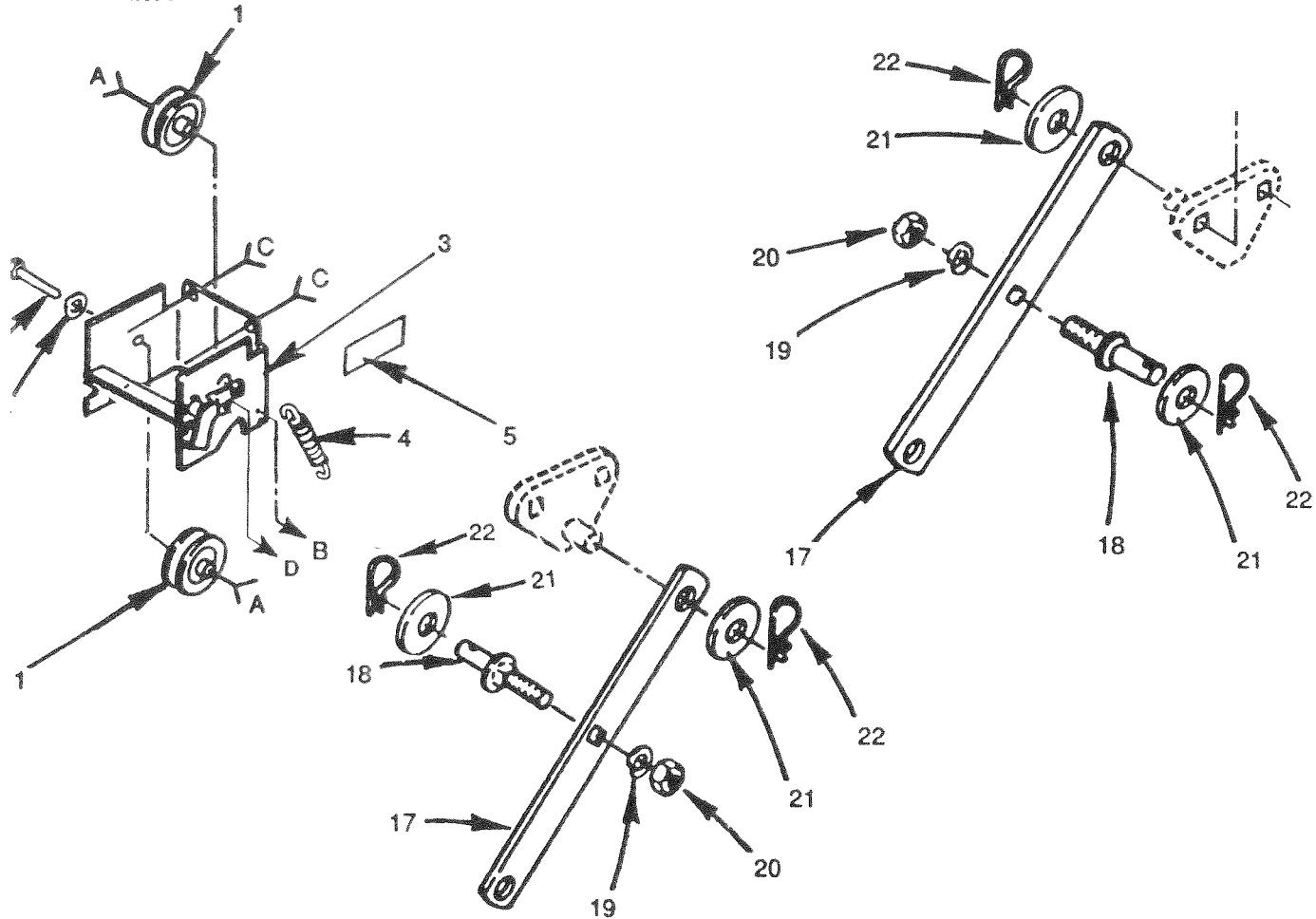
## 50" MOWER

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	121664X	Housing, Mower	42	110237X	Spacer
2	121811X	Cover - Drive, Deck	43	105434X	Brace, Suspension
3	17490508	Screw - Hex Washer Thd. Roll 5/16 18 x 1/2	44	109778X	Plate Assy., Mower Suspension
4	7631J	Runner, L.H.	45	109771X	Brkt., Suspension
5	72110505	Bolt, Carr. 5/16 - 18 x 5/8	46	73350500	Nut - Hex 5/16 - 18
6	10040500	Washer - Lock, 5/16	47	3146R	Retainer - Spring
7	73220500	Nut - Hex 5/16 - 18	48	3703J	V-Belt
8	120449X	Runner, R.H.	49	73680800	Nut, Crownlock 1/2 - 13
9	72140506	Bolt, Carr. 5/16 - 18 x 3/4	50	74760622	Bolt, Hex 3/8 - 16 x 1 - 3/8
10	1685H	Nut, Lock 5/16 - 18	51	105435X	Pin, Release
12	121658X	Mandrel - Secondary	52	3720R	Spring
13	121657X	Mandrel - Primary	53	12000039	Ring, Klip
14	17490612	Screw - Hex Washer Thd. Roll 3/8 16 x 3/4	54	19171612	Washer 17/32 x 1 x 12 Ga.
15	121798X	Blade	55	105440X	Pin, Clevis
16	74610624	Bolt - Hex, 3/8 - 24 x 1 - 1/2 Gr. 5	56	105458X	Brkt., Outer, R.H.
17	10040600	Washer - Lock, 3/8	57	109773X	Brkt., Inner, R.H.
18	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.	58	110997X	Brkt., Inner, L.H.
19	674A213	Arm Assembly, Idler	59	120000X	Brkt., Outer, L.H.
20	7834J	Liner - Bearing	60	73680500	Locknut 5/16 - 18
21	7835J	Bearing	61	109776X	Pin, Pivot
22	72110522	Bolt, Carriage 5/16 - 18 x 2 - 3/4	62	19111016	Washer 11/32 x 5/8 x 16 Ga.
23	19111816	Washer 11/32 x 1-1/8 x 16 Ga.	63	110509X	Shield, Deflector
24	102403X	Pulley, Idler	64	106734X	Spring, Deflector
25	74760624	Bolt - Hex 3/8 - 16 x 1 - 1/2	65	109743X	Bracket, Deflector
26	73220600	Nut - Hex 3/8 - 16	66	106735X	Rod, Hinge
27	104361X	Spring	68	110452X	Push Nut
28	74780520	Bolt - Hex 5/16 - 18 x 1 - 1/4 Gr. 5	69	3713J	Decal - Instruction, Caution
29	19111216	Washer 11/32 x 3/4 x 16 Ga.	70	---	Decal - Safety Standard (Not serviced)
30	8438J	Spacer Split	71	73220800	Nut - Hex 1/2 - 13
31	123247X	Decal - V-Belt, Dr. Schematic, Mower	72	19131614	Washer 13/32 x 1 x 14 Ga.
32	105448X	Bracket, Ga. Wheel, R.H.	73	19171512	Washer 17/32 x 15/16 x 12 Ga.
33	105449X	Bracket, Ga. Wheel, L.H.	74	72240608	Bolt, Carriage 3/8 - 16 x 1
34	72240606	Bolt, Carriage 3/8 - 16 x 3/4	75	121349X	Decal - Warning
35	73680600	Nut, Crownlock 3/8 - 16	76	110884X	V-Belt
36	105453X	Bar, Ga. Wheel	77	19151610	Washer 15/32 x 1 x 10 Ga.
37	5565J	Pin, Clevis	78	105185X	Decal - Instruction
38	4939M	Retainer, Spring	79	10030600	Washer - Lock 3/8
39	4898H	Bolt, Shoulder	80	109729X	Roller, Nose
40	105455X	Wheel, Gauge	83	76020412	Spring - Retainer
41	105433X	Brkt., Suspension	84	19151616	Washer 15/30 x 1 x 16 Ga.
			85	120135X	Spacer
			93	121352X	Keeper LH.



# REPAIR PARTS

## REPAIR PARTS

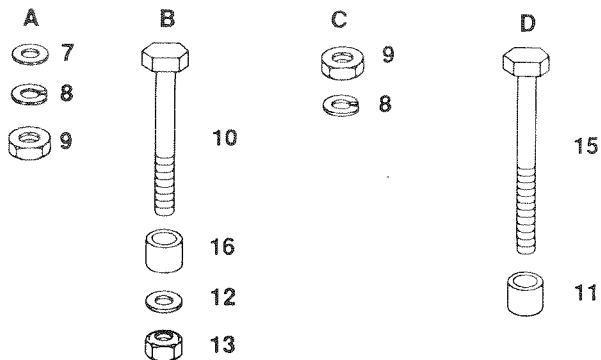


## P BOX

PART NO.	DESCRIPTION
77A451	Pulley, Idler
9133808	Washer 13/32 x 2-3/8 x 8 Ga.
20542X	Bracket, Idler
190J	Spring
23246X	Decal, Adjustment
4760632	Bolt, Hex 3/8 - 16 x 2
9131413	Washer 13/32 x 7/8 x 13 Ga.
0040600	Lock Washer 3/8
3220600	Nut, Hex 3/8 - 16
4930516	Bolt, Hex 5/16 - 18 x 1
00644K	Bushing, Handle, Clutch
9111416	Washer 11/32 x 7/8 x 16 Ga.
3680500	Locknut 5/16 - 18
4760636	Bolt, Hex 3/8 - 16 x 2-1/4
02933X	Spacer

## SUSPENSION ARMS

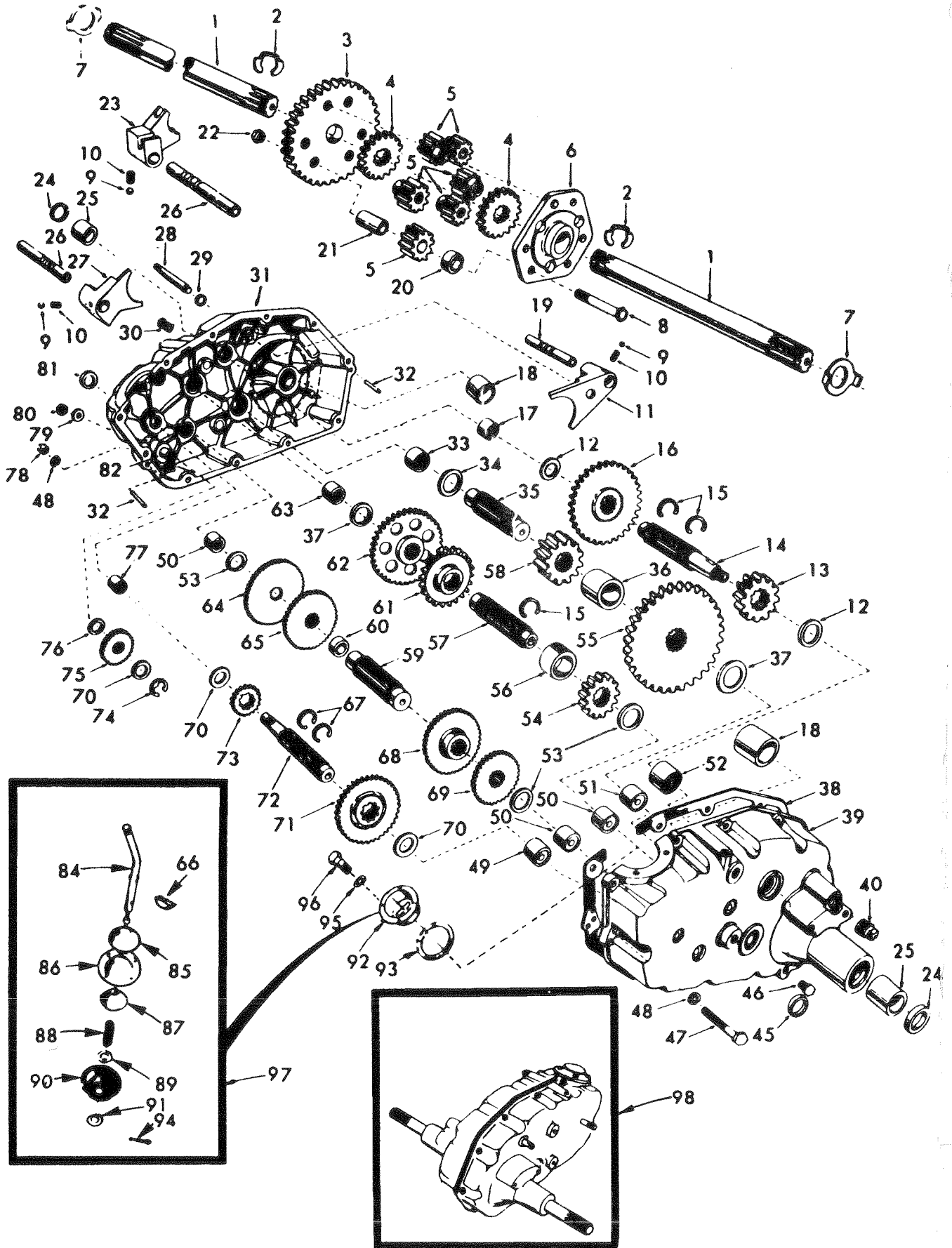
KEY NO.	PART NO.	DESCRIPTION
17	105429X	Arm, Suspension
18	105413X	Stud, Pivot Center
19	10040800	Washer, Lock 1/2
20	73220800	Nut, Hex 1/2 - 13
21	19171713	Washer 17/32 x 1-1/16 x 13 Ga.
22	9135R	Retainer Spring



# REPAIR PARTS

## 18 H P GARDEN TRACTOR

### TRANSAXLE



# PAIR PARTS

## 18 H P GARDEN TRACTOR

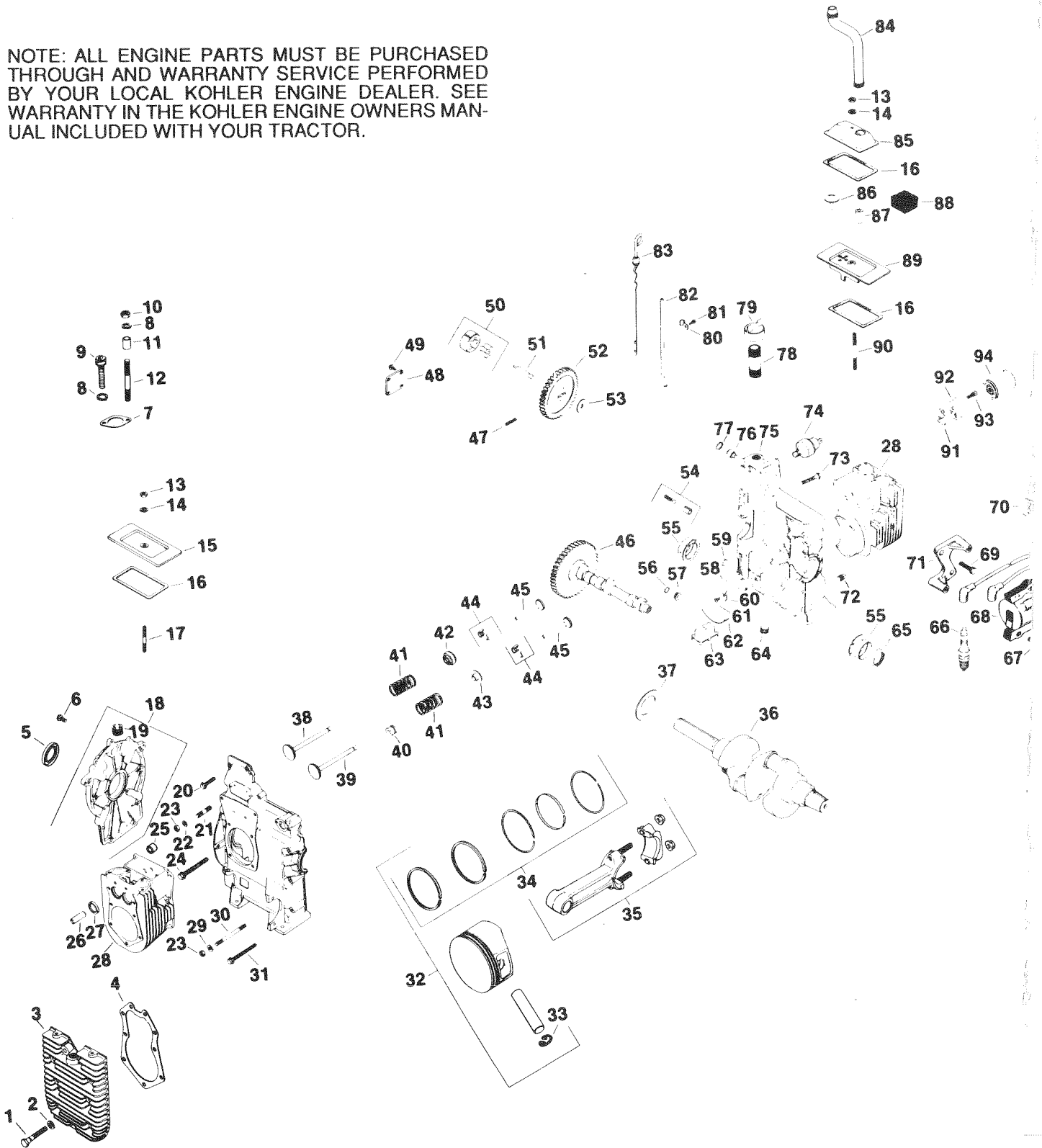
### NSAXLE

PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
4197R	Axle Shaft	50	4222R	Needle Bearing
12000034	Retaining Ring	51	1529R	Needle Bearing
4199R	Final Drive Gear	52	8119M	Needle Bearing
4216R	Differential Gear	53	4220R	Thrust Bearing Race
4215R	Differential Pinion	54	4209R	3rd Reduction Pinion-Low
4217R	Differential Carrier	55	4213R	4th Reduction Gear
6256H	Axle Thrust Washer	56	4442R	3rd Reduction Pinion Spacer
74020652	Hex Bolt 3/8-24 x 3-1/4 (1" Thread Length)	57	4195R	2nd Reduction Gear Shaft
7392M	Steel Ball	58	4214R	Final Drive Pinion
6272H	Spring Shift Fork Detent	59	4194R	1st Reduction Gear Shaft
4985R	Shift Fork, High-Low Range	60	7528R	1st Reduction Shaft Spacer
6266H	Thrust Bearing Race	61	4208R	3rd Reduction Pinion High
4212R	4th Reduction Pinion	62	4207R	2nd Reduction Gear
4196R	3rd Reduction Gear Shaft	63	7398H	Needle Bearing
6276H	Snap Ring-Crescent Type	64	4203R	Low Speed Gear and 2nd Reduction Pinion Cluster
633A63	High-Low Range Gears	65	4204R	Reverse Gear
8118M	Needle Bearing	66	2898J	Key-Hi-Pro) 1/8 x 17/32
8740H1	Sintered Iron Bearing	67	4926H	Snap Ring Crescent Type
122238X	Shift Fork Shaft, High-Low Range	68	4205R	Intermediate Speed Gear
4218R	Differential Pinion Spacer	69	4206R	High Speed Gear
6252H1	Differential Pinion Bushing	70	1370H	Thrust Bearing Race
7810H	Gripco Centerlock Nut 3/8-24	71	633A69	Intermediate and High Speed Cluster Pinions
4986R	Shift Fork-L.H.	72	208J	Input Shaft
7393R	Oil Seal	73	4201 R	Low Speed Pinion
992R1	Sintered Iron Bearing	74	12000002	E-Ring
6216H	Shift Fork Shaft	75	1153R	Reverse Idler Gear
6262H	Shift Fork-R.H.	76	7392H	Reverse Idler Thrust Washer
122254X	Shift Shaft, High-Low Range	77	3990H	Needle Bearing
6269H	Oil Seal	78	73220500	Hex Nut 5/16-18
5855H	Pressure Relief Valve	79	1167R	Sealing Washer
122162X	Gearcase, Reverse Idler Shaft and Bearings-R.H. (Inc. Key No's. 17, 18, 25, 33, 50, 63, 76, 77 and 82)	80	73360700	Hex Jam Nut 7/16-20
6277H	Dowel Pin	81	6270H	Oil Seal
4225R	Needle Bearing	82	7384H	Reverse Idler Shaft
7396H	Thrust Bearing Race	84	5384J	Gear Shift Lever - Bent
4198R	4th Reduction Gear Shaft	85	2978J	Gear Shift Cap
4200R	4th Reduction Gear Spacer	86	633A85	Gear Shift Ball Cover and Pin
7395H	Thrust Bearing Race	87	8739HI	Shift Lever Guide Ball - Keyed
121878X	Gearcase Gasket	88	4924H	Spring
122163X	Gearcase and Bearings L.H. (Inc. Key No's. 18, 25, 49, 50 (2), 51 and 52)	89	19151516	Washer 15/32 x 15/16 x 16 Ga
13320400	Pipe Plug 1/2-14 N.P.T.	90	110542X	Shift Mechanism Seal
6271H	Oil Seal	91	19181511	Washer 9/16 x 15/16 x 12 Ga
13060200	Pipe Plug 1/4-18 N.P.T.	92	75J	Gear Shift Gate and Reinforcement
74780524	Hex Bolt 5/16-18 x 1-1/2 Grade 5	93	6274H	Shift Ball Cover Gasket
10140500	Lockwasher 5/16 Extra Heavy	94	76020412	Cotter Pin 1/8 x 3/4
1895H	Needle Bearing	95	10040500	Lockwasher 5/16
		96	74760514	Hex Bolt 5/16 x 18 UNC x 7/8
		97	633A109	Gear Shift Lever Assy.
		98	122420X	Transaxle Assembly Less Brake Drum and Shift Lever

# REPAIR PARTS

## 18 H P GARDEN TRACTOR ENGINE -- KOHLER MODEL NUMBER M18S SPEC. 24585

NOTE: ALL ENGINE PARTS MUST BE PURCHASED THROUGH AND WARRANTY SERVICE PERFORMED BY YOUR LOCAL KOHLER ENGINE DEALER. SEE WARRANTY IN THE KOHLER ENGINE OWNERS MANUAL INCLUDED WITH YOUR TRACTOR.





# PAIR PARTS

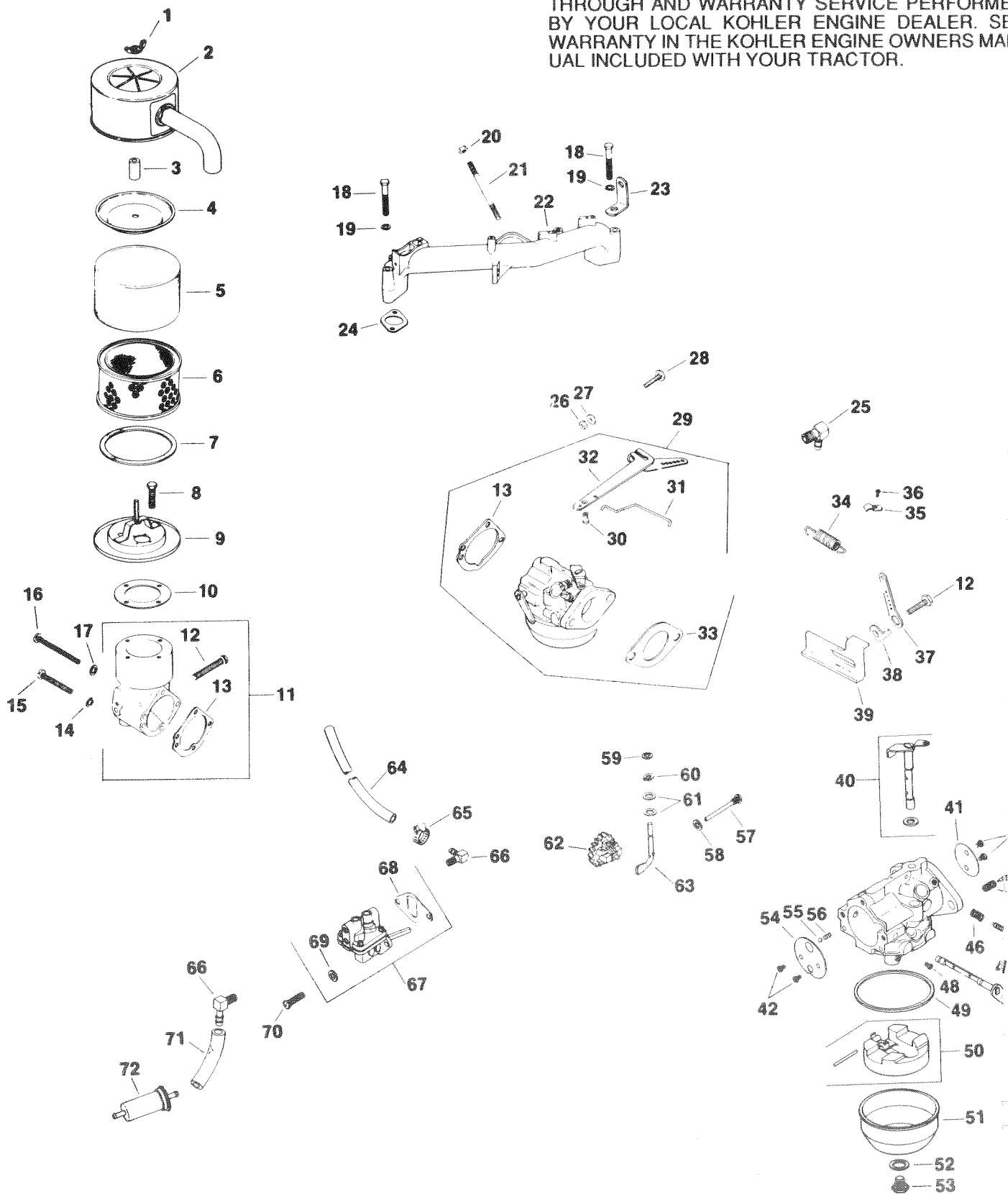
## 18 H P GARDEN TRACTOR ENGINE -- KOHLER MODEL NUMBER M18S SPEC. 24585

PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
11-086-02	Screw 5/16 - 18 x 1-1/2 (18)	46	52-012-08	Camshaft
220534	Washer 5/16 (18)	47	X-280-25	Pin, roll
52-015-08	Head, cylinder (2)	48	52-096-03	Cover, oil pump
52-041-18	Gasket, head (2)	49	X-67-64	Screw, hex. wash. hd. 10-32 x 7/16 (4)
5-583-5	Seal, rear oil.			
5-802-9	Screw, hex. wash. hd. 5/16 - 18 x 1 (9)	50	52-393-09	Rotor set
52-041-14	Gasket, exhaust (2)	51	52-144-05	Shaft, oil pump
5-21-1	Washer, lock 5/16 (4)	52	52-043-05	Gear, oil pump
5-55-6	Screw, Hex. sock. hd. 5/16 - 18 x 3/4 (2)	53	52-422-01	Spacer (A.R. max. 2)
5-82-2	Nut, hex. 5/16 - 18 (2)	54	52-755-50	Kit, oil relief
52-112-08	Spacer 2 - 1/4" long	55	52-030-10	Bearing, sleeve (2)
52-072-13	Stud 5/16 - 18 x 4 (2)		52-030-11	Bearing, sleeve (.010) (2)
5-81-1	Nut, hex. 1/4 - 20 (2)	56	52-141-02	O-Ring
5-25-12	Washer, plain 1/4 (2)	57	52-139-08	Plug 3/4" O.D.
52-096-18	Cover, #2 cylinder valve	58	52-123-10	Tube, oil pickup
52-055-01	Gasket, cover (3)	59	X-702-1 5	Plug, Cup 5/1 6
5-352-39	Stud, #2 cyl. valve 1/4 - 20 x 2-1/4	60	52-237-05	Clamp, tube
52-755-55	Kit, closure plate (Includes 19)	61	X-67-64	Screw, hex. wash. hd. 10-32 x 7/16
5-75-23	Plug, hex. ctsk. 1/8 N.P.T.F.	62	52-237-02	Clip, spring
5-086-10	Screw, hex. flange 5/16 - 18 x 1-1/2 (3)	63	52-095-03	Housing, oil pickup
2-072-12	Step stud 5/16 -18 x 3/4", 3/8 -16 x 5/8", 2" long	64	X-75-32	Plug, hex. ctsk. 3/8 N.P.T.F. (2)
2-468-12	Washer, flat 5/16 (12)	65	52-032-10	Seal, front oil
5-82-2	Nut, hex. 5/16 - 18 (16)	66	51-132-02	Spark plug (2)
5-086-13	Screw, hex. flange 3/16 - 16 x 3-5/8	67	25-086-15	Screw, hex. wash. hd. 1/4 - 20 x 1 (2)
2-158-04	Bushing, locating (2)	68	52-584-02	Module, ignition
2-316-06	Guide, valve (4)	69	25-086-16	Screw, hex. wash. hd. 1/4 - 20 x 7/8 (2)
30265	Insert, valve seat (4)	70	52-313-02	Grommet
2-755-81	Kit, cylinder barrel (Includes 25-27)	71	52-126-08	Bracket, module
1-468-01	Washer, plain 5/16 (4)	72	X-75-10	Plug, solid sq. hd. 3/8 N.P.T.F.
5-352-33	Stud, 5/16 - 18 x 4-1/8 (2)	73	25-086-12	Screw, hex. flange 5/16 - 18 x 2 (2)
5-086-11	Screw, Hex. flange 5/16-18 x 3-1/2 (6)	74	52-099-06	Switch, Oil Pressure
2-874-11	Piston w/Ring Set (Std.) (2)	75		Crankcase (Service with Short Block 82-522-1 1 )
2-874-12	Piston w/Ring Set (.003) (2)	76	52-078-05	Shaft, governor
2-874-13	Piston w/Ring Set (.010) (2)	77	X-269-43	Ring, retaining
2-874-14	Piston w/Ring Set (.020) (2)	78	46-136-02	Pipe nipple 3/4 I.P. x 2-1/2
2-874-15	Piston w/Ring Set (.030) (2)	79	52-173-01	Pipe Cap
30004	Retainer, piston pin (4)	80	52-154-01	Clip, tube
2-108-09	Ring Set (Std. & .003) (2)	81	X-67-64	Screw 10-32 x 7/16
2-108-10	Ring Set (.010) (2)	82	52-123-09	Tube, dipstick
2-108-11	Ring Set (.020) (2)	83	52-038-04	Dipstick
2-108-12	Ring Set (.030) (2)	84	52-326-05	Hose, breather
2-067-67	Connecting Rod (Std.) (2)	85	52-096-08	Cover, #1 upper cylinder valve
2-067-68	Connecting Rod (.010) (2)	86	52-462-01	Valve, umbrella
2-014-64	Crankshaft (3-9/16" x 1" tapped P.T.O.)	87	52-032-04	Seal, breather
2-468-03	Washer, thrust .119/.121 (A.R.)	88	231419	Filter, breather
2-468-04	Washer, thrust .128/.131	89	52-096-22	Cover, #1 lower cylinder valve
2-468-05	Washer, thrust .137/.140 (A.R.)	90	275220	Stud, #1 cyl. valve 1/4 - 20 x 3-1/4
2-016-02	Valve, exhaust (2)	91	52-041-16	Gasket, Oil Filter
2-017-08	Valve, intake (2)	92	52-181-02	Adapter, Oil Filter
2-032-13	Seal, intake valve stem (2)	93	X-55-15	Screw, hex. sock. hd. 5/16 - 18 x 1-1/4 (2)
2-089-01	Spring, Valve (4)	94	52-050-02	Oil Filter
2-413-01	Rotator, exhaust valve (2)		52-518-22	NOT ILLUSTRATED
2-0011	Retainer, valve spring (2)			Lead, Red module to connector (12-1/2" - 18 gauge — insulated push on tab — uninsulated push on tab terminals)
2-755-10	Kit, retainer (4)			Lead, Green, Pressure Switch (21" - 18 Ga. insulated push on tab - uninsulated push on terminals)
2-019-02	Tappet (4)		52-518-08	

# REPAIR PARTS

## 18 H P GARDEN TRACTOR ENGINE -- KOHLER MODEL NUMBER M18S SPEC. 24585

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# PAIR PARTS

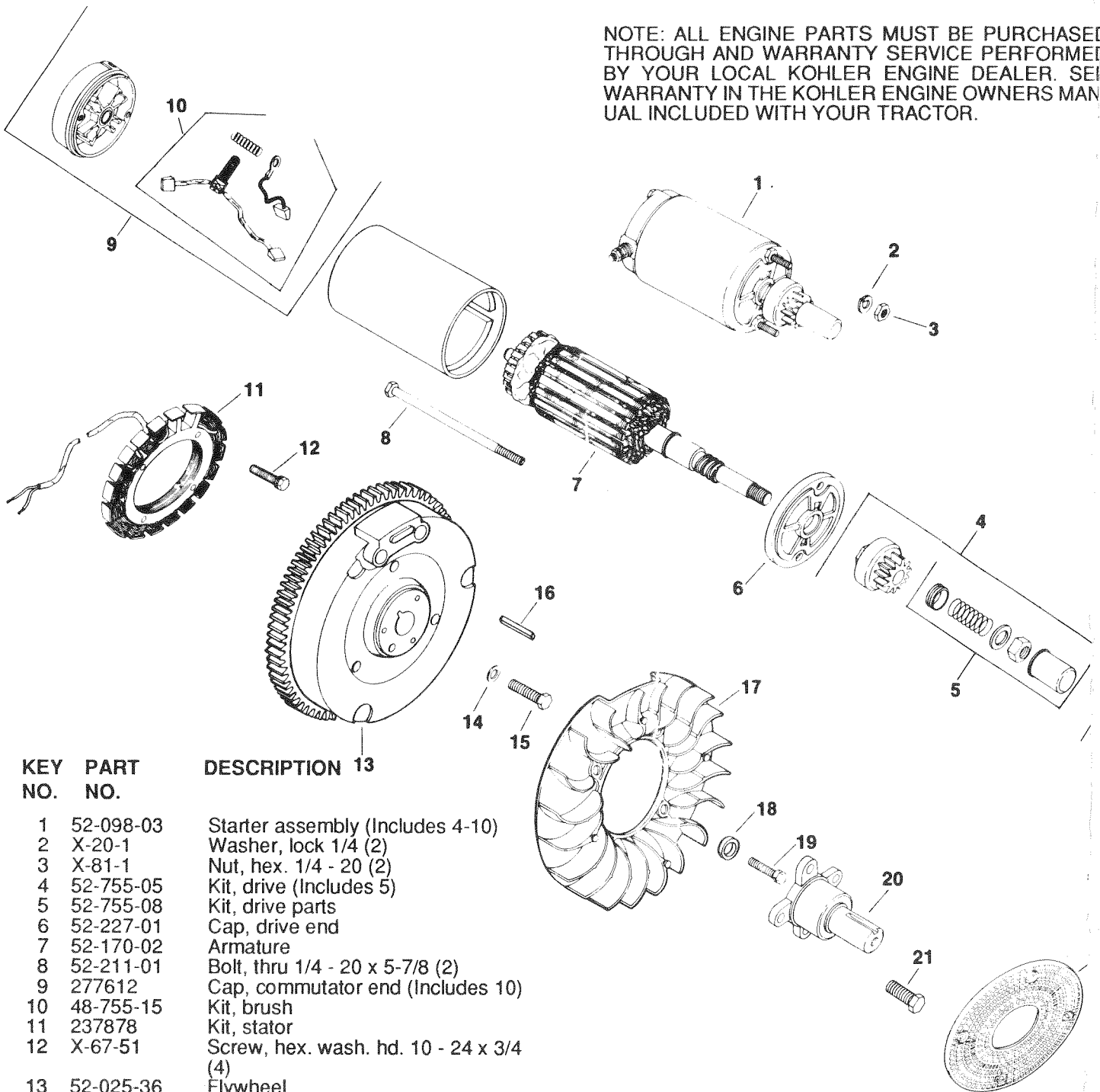
## 18 H P GARDEN TRACTOR ENGINE KOHLER -- MODEL NUMBER M18S SPEC. 24585

PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
X-276-7	Wing nut 1/4 - 20	38	234614	Stop, governor
52-096-36	Cover, air cleaner	39	52-531-02	Stop, high speed
231032	Seal, element cover	40	52-144-16	Shaft, throttle w/seal
52-082-04	Cover, air cleaner element	41	25-146-02	Plate, throttle
45-083-01	Precleaner	42	25-086-27	Screw, throttle & choke plate (4)
45-083-02	Element, air cleaner	43	25-368-01	Needle, idle
237423	Seal, air cleaner cover	44	25-089-02	Spring, idle
X-67-98	Screw, hex. wash. hd. 10 - 32 x 9/16 (4)	45	25-086-26	Screw, throttle
52-201-06	Base, air cleaner	46	25-089-04	Spring, throttle
277093	Gasket, air cleaner base	47	52-090-12	Shaft, choke
52-754-01	Kit, elbow (Includes 12 & 13)	48	52-337-06	Jet, main (.055)
52-086-11	Screw, self tap 1/4 - 20 x 5/8	49	25-041-04	Gasket, bowl
25-041-06	Gasket, air intake elbow	50	25-757-09	Kit, float
X-22-9	Washer, lock #10 (2)	51	25-104-01	Bowl, fuel
X-50-57	Screw, sltd. pan hd. 10 - 32 x 1-1/2 (2)	52	25-041-03	Gasket, bowl retainer screw
X-50-37	Screw, sltd. pan hd. 10 - 32 x 2-1/4 (2)	53	25-100-05	Screw, bowl retainer
X-25-79	Washer, plain #10	54	25-146-03	Plate, choke
X-6-8	Screw, H.C. 5/16 - 18 x 2-3/4 (4)	55	25-194-01	Ball, choke friction
X-21-1	Washer, lock 5/16 (4)	56	25-089-03	Spring, choke friction
X-77-2	Nut 5/16 (2)	57	231355	Pin, governor stop
X-352-37	Stud 5/16 - 18 x 1 (2)	58	X-25-12	Washer, plain 1/4
52-164-10	Manifold, intake	59	X-25-63	Washer, plain 1/4
52-445-02	Strap, lifting (2)	60	X-269-28	Retainer, governor
52-041-09	Gasket, intake manifold (2)	61	X-25-102	Washer, plain 1/4 (2)
25-155-02	Connector, 90° hose	62	A-235743-S	Kit, governor gear
X-81-1	Nut, hex 1/4 - 20	63	52-078-04	Shaft, governor cross
X-25-72	Washer, plain 1/4	64	52-353-04	Line, fuel 1/4" I.D. x 6-3/4" long
52-211-04	Screw, R.H. sq. neck 1/4 - 20 x 1	65	X-426-9	Clamp, hose (4)
52-853-10	Kit, carburetor w/linkage (Includes 13, 30-33, 40-56)	66	25-155-02	Connector, 90° hose
25-158-07	Bushing, linkage (2)	67	52-559-01	Pump, fuel assembly (Includes 68 & 69)
52-079-08	Linkage, governor	68	25-041-05	Gasket, fuel pump
52-186-06	Arm, governor	69	X-25-63	Washer, plain 1/4 (2)
271030	Gasket, carburetor	70	47-086-08	Screw, pozidriv T. H. 1/4 - 20 x 5/8 (2)
52-091-04	Spring, governor	71	25-353-03	Line, fuel 1/4" I.D. x 13 - 1/2" Lg.
235778	Clamp, cable (2)	72	25-050-01	Filter, fuel
X-67-97	Screw, H.C. 10 - 24 x 7/16 (2)		25-113-07	NOT ILLUSTRATED
52-119-01	Lever, speed control		25-757-08	Decal, air cleaner
			52-755-98	Kit, carburetor repair
				Kit, high altitude jet

# REPAIR PARTS

## 18 H.P GARDEN TRACTOR ENGINE -- KOHLER MODEL NUMBER M18S SPEC. 24585

NOTE: ALL ENGINE PARTS MUST BE PURCHASED THROUGH AND WARRANTY SERVICE PERFORMED BY YOUR LOCAL KOHLER ENGINE DEALER. SEE WARRANTY IN THE KOHLER ENGINE OWNERS MANUAL INCLUDED WITH YOUR TRACTOR.

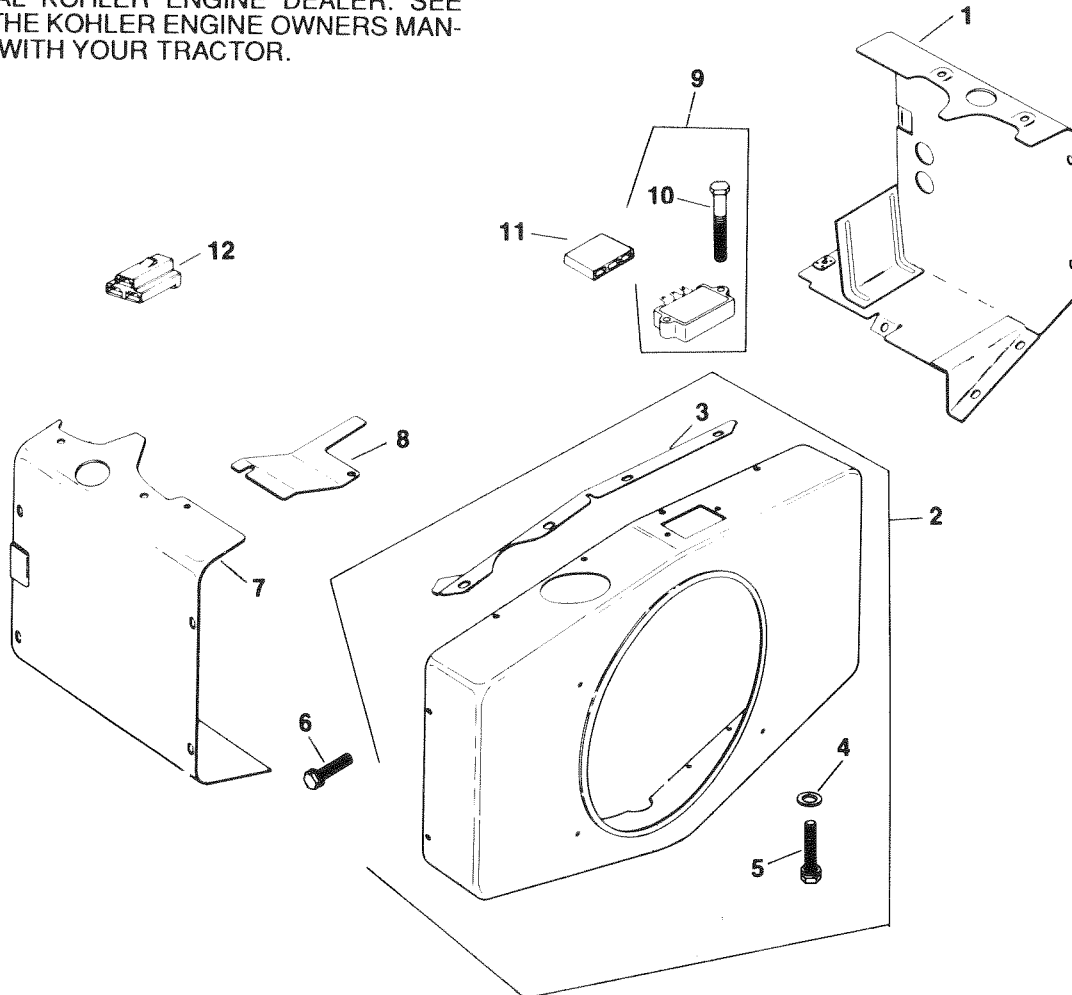


KEY PART NO.	PART NO.	DESCRIPTION
1	52-098-03	Starter assembly (Includes 4-10)
2	X-20-1	Washer, lock 1/4 (2)
3	X-81-1	Nut, hex. 1/4 - 20 (2)
4	52-755-05	Kit, drive (Includes 5)
5	52-755-08	Kit, drive parts
6	52-227-01	Cap, drive end
7	52-170-02	Armature
8	52-211-01	Bolt, thru 1/4 - 20 x 5-7/8 (2)
9	277612	Cap, commutator end (Includes 10)
10	48-755-15	Kit, brush
11	237878	Kit, stator
12	X-67-51	Screw, hex. wash. hd. 10 - 24 x 3/4 (4)
13	52-025-36	Flywheel
14	52-468-15	Washer, plain
15	25-086-24	Screw, hex. mach. 3/8 - 24 x 1-1/4
16	X-286-17	Key, square 3/16 x 7/8
17	25-157-01	Fan
18	25-112-04	Spacer 1/8"
19	25-086-21	Screw, hex. wash hd. 1/4 - 20 x 5/8 (4)
20	237373	Shaft, Front Drive
21	X-159-2	Screw, H.C. 3/8 - 16 x 1(4)
22	25-162-02	Screen, grass 3-1/2" dia. hole
	25-450-03	NOT ILLUSTRATED Tag, caution

# PAIR PARTS

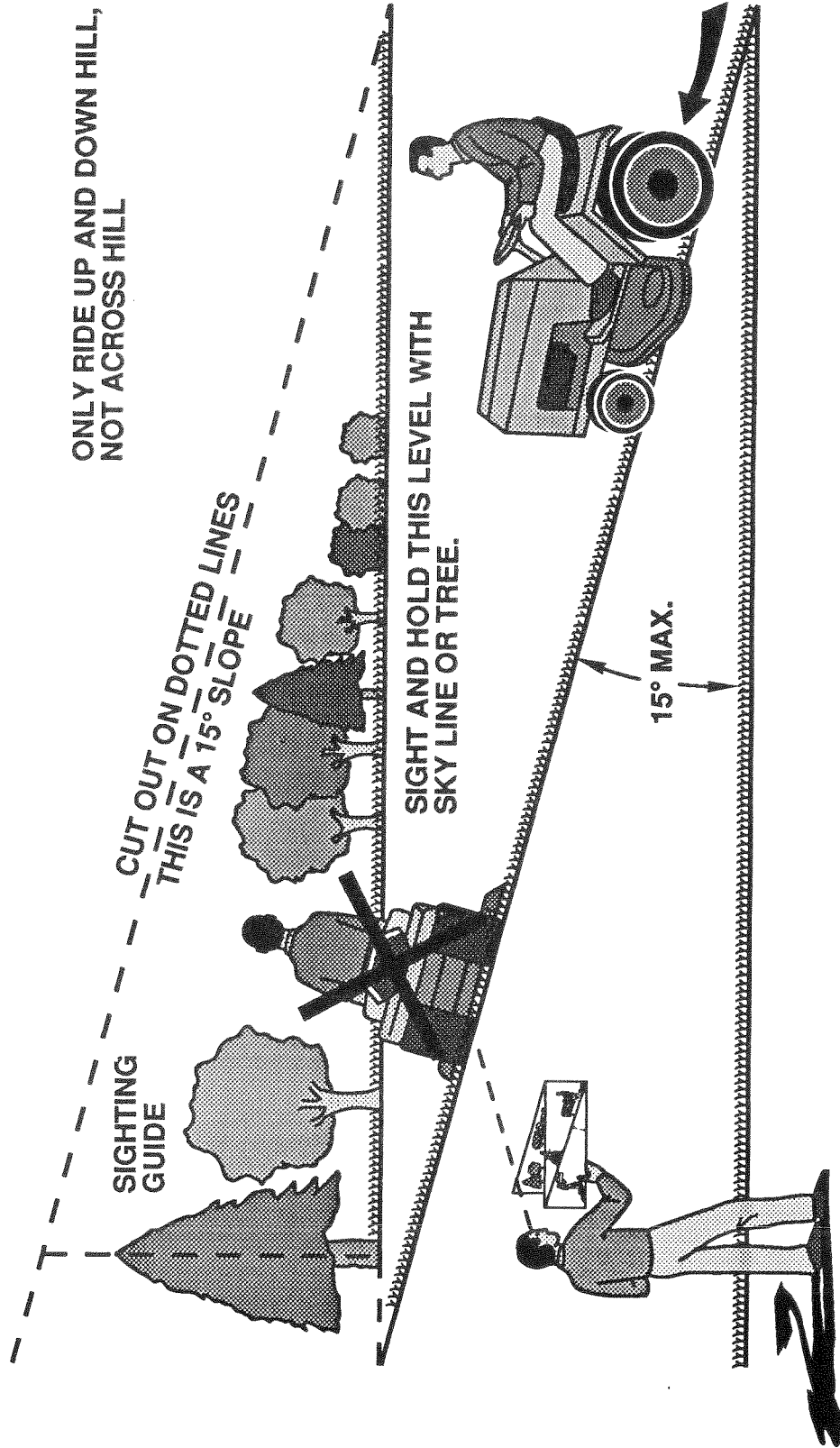
## 18 H P GARDEN TRACTOR ENGINE KOHLER -- MODEL NUMBER M18S SPEC. 24585

E: ALL ENGINE PARTS MUST BE PURCHASED THROUGH AND WARRANTY SERVICE PERFORMED BY YOUR LOCAL KOHLER ENGINE DEALER. SEE WARRANTY IN THE KOHLER ENGINE OWNERS MANUAL INCLUDED WITH YOUR TRACTOR.



KEY NO.	PART NO.	DESCRIPTION
1	52-124-23	Baffle, #1 cylinder head
2	52-755-71	Kit, blower housing (Includes 3-5)
3	52-217-01	Support, Upper housing
4	52-468-16	Washer, plain (2)
5	52-086-11	Screw, self tap 1/4 - 20 x 5/8 (2)
6	X-67-83	Screw, hex. wash. hd. 1/4 - 20 x 7/16 (1 9)
7	52-063-21	Baffle, #2 cylinder head
8	52-063-01	Baffle, #2 cylinder top
9	25-755-03	Kit, Rectifier, Regulator
10	X-132-5	Screw, H.C. 1/4 - 20 x 5/8 (2)
11	236602	Connector, (3 contact)
12	236473	Connector, (3 contact)
		NOT ILLUSTRATED
	25-518-21	Lead, Red rectifier-regulator (5" - 14 gauge — uninsulated push on tab terminals)

# SERVICE NOTES



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

