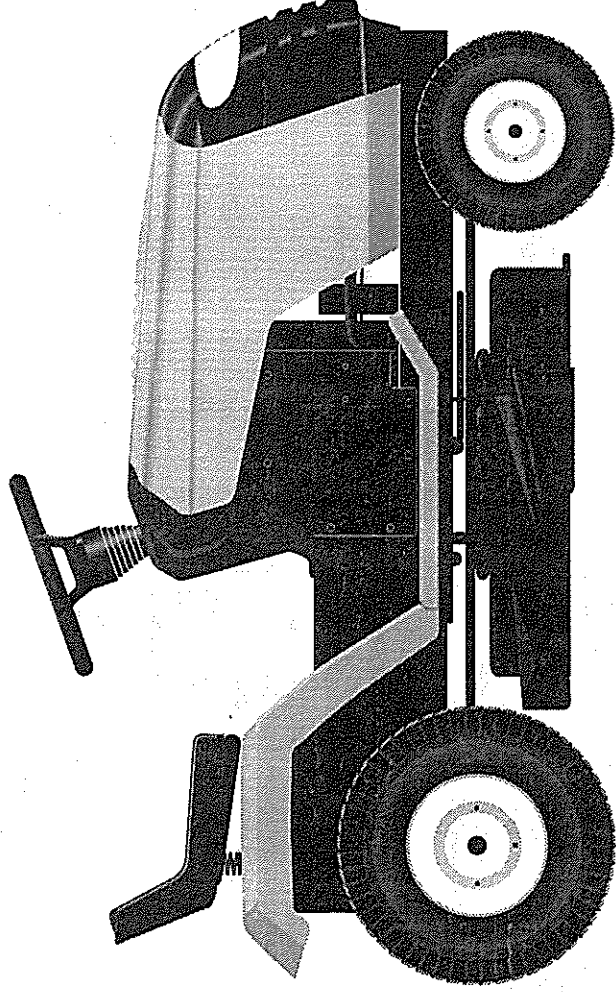


IMPORTANT MANUAL

Do Not Throw Away

PoulanTM PRO



FILE COPY

OWNER'S MANUAL

MODEL:

PP1846PJA

LAWN TRACTOR

Always Wear Eye Protection During Operation

POULAN PRO

Shreveport, Louisiana 71139-9329

954 00 54-41

532151530

11.10.95 TR
Printed in U.S.A.

⚠ WARNING:

Read this Manual and follow all Warnings and Safety Instructions. Failure to do so can result in serious injury.

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 in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.

II. SLOPE OPERATION

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

DO:

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

DO NOT:

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

III. CHILDREN

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

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and *down* for small children.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

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



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



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

WARNING

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

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".

MODEL NUMBER	PP1846PJ
SERIAL NUMBER	_____
DATE OF PURCHASE	_____
THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT.	
YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.	

CUSTOMER RESPONSIBILITIES

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

PRODUCT SPECIFICATIONS

HORSEPOWER:	18.0
GASOLINE CAPACITY AND TYPE:	3.5 GALLONS UNLEADED REGULAR
OIL TYPE (API-SF/SG):	SAE 10W30 (above 32°F) SAE 5W-30 (below 32°F)
OIL CAPACITY:	W/ FILTER: 4.2 PINTS W/O FILTER: 3.7 PINTS
SPARK PLUG: (GAP: .030")	CHAMPION RC12YC
VALVE CLEARANCE:	NOT ADJUSTABLE
GROUND SPEED (MPH):	FORWARD: 1st 1.1 2nd 1.4 3rd 2.3 4th 3.5 5th 4.5 6th 5.7 REVERSE: 1.8
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	15 AMPS @ 3600 RPM
BATTERY:	AMP/HR: 30 MIN. CCA: 240 CASE SIZE: U1R
BLADE BOLT TORQUE:	30-35 FT. LBS.

WARNING: This tractor is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

A spark arrester for the muffler is available through your nearest authorized service center/department (See REPAIR PARTS section of this manual).

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

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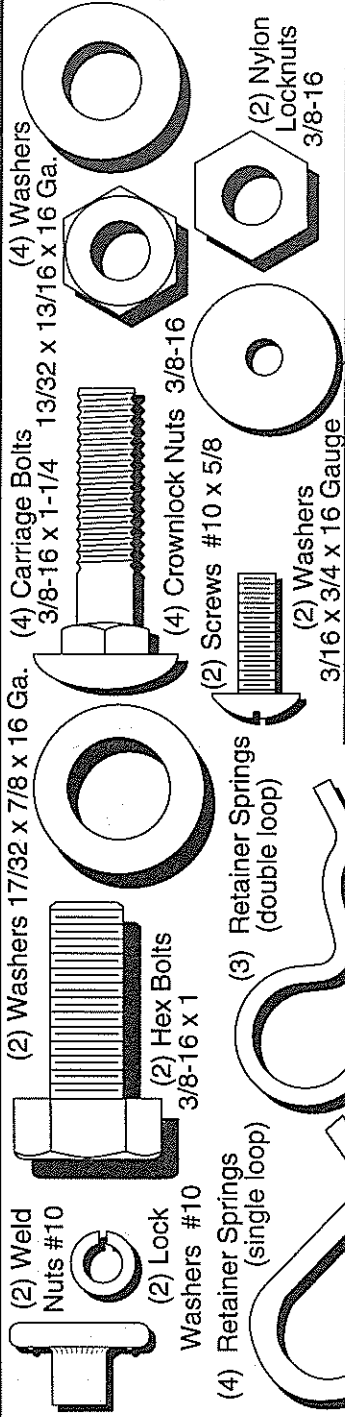
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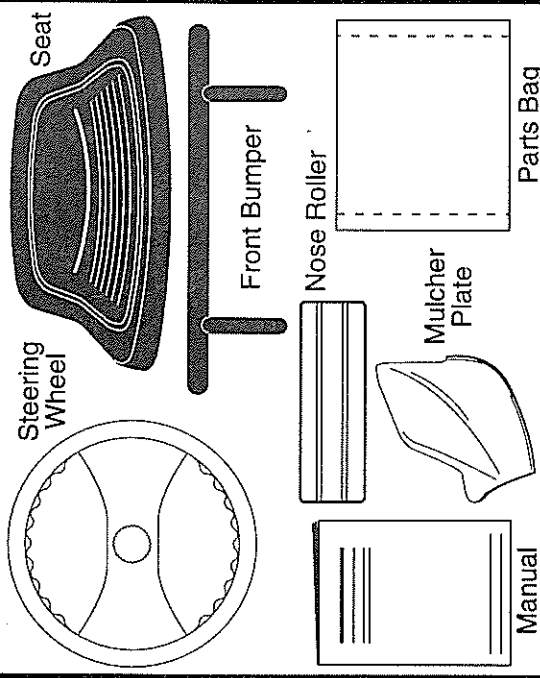
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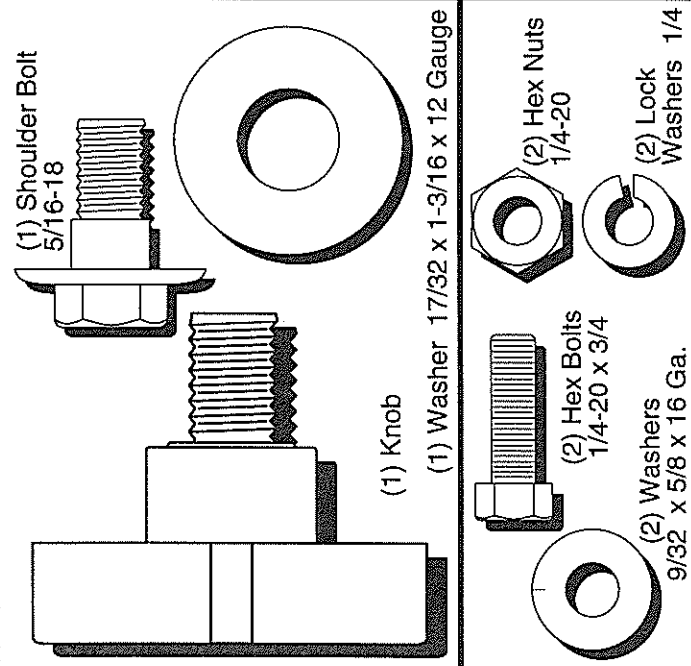
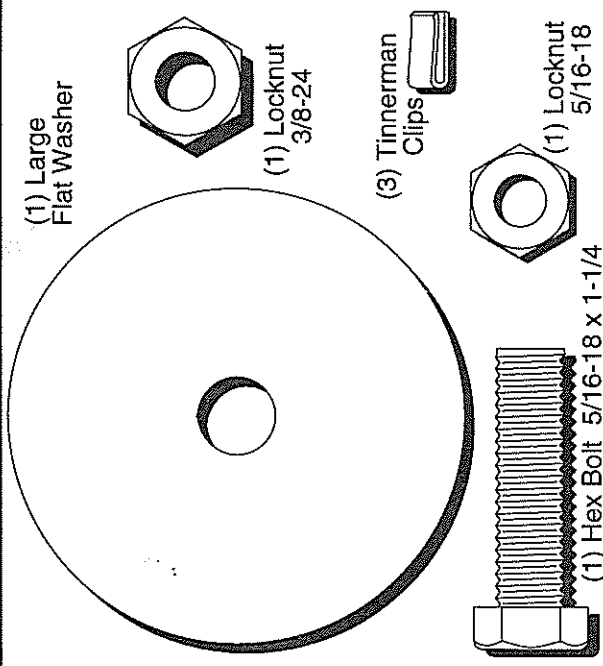
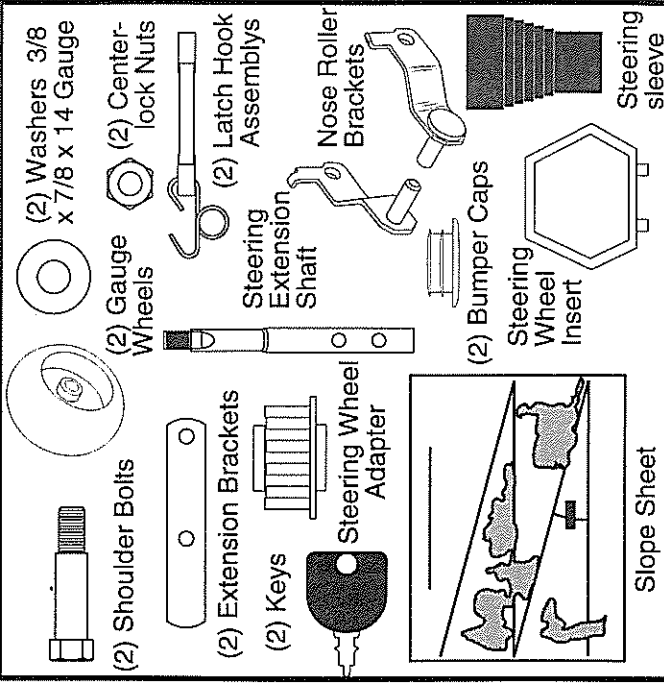
Parts Bag contents shown full size



Parts packed separately in carton



Parts bag contents not shown full size



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.

- (2) 7/16" wrenches (1) Tire pressure gauge
- (2) 9/16" wrench (1) Utility knife
- (2) 1/2" wrench (1) 3/4" socket w/drive ratchet

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 (See page 5).
- Cut, from top to bottom, along lines on all four corners of carton, and lay panels flat.
- Remove mower and packing materials.
- Check for any additional loose parts or cartons and remove.

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

PREASSEMBLE SLEEVE TO STEERING WHEEL (See Fig. 1 Inset)

- Install sleeve retainer clips, evenly spaced around steering wheel hub, with formed tabs toward the outside of hub.
- Press or lightly tap retainer clips fully onto steering wheel hub.
- Press steering sleeve fully onto steering wheel hub and clips.

ASSEMBLE EXTENSION SHAFT

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

IMPORTANT: TIGHTEN BOLT AND NUT SECURELY TO 18-22 FT. LBS TORQUE.

INSTALL STEERING WHEEL

- Position front wheels of the tractor so they are pointing straight forward.
- Slide steering wheel adapter onto steering shaft extension.
- Position steering wheel and sleeve assembly so cross bars are horizontal (left to right) and slide onto adapter.
- Assemble large flat washer and 3/8-24 locknut and tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

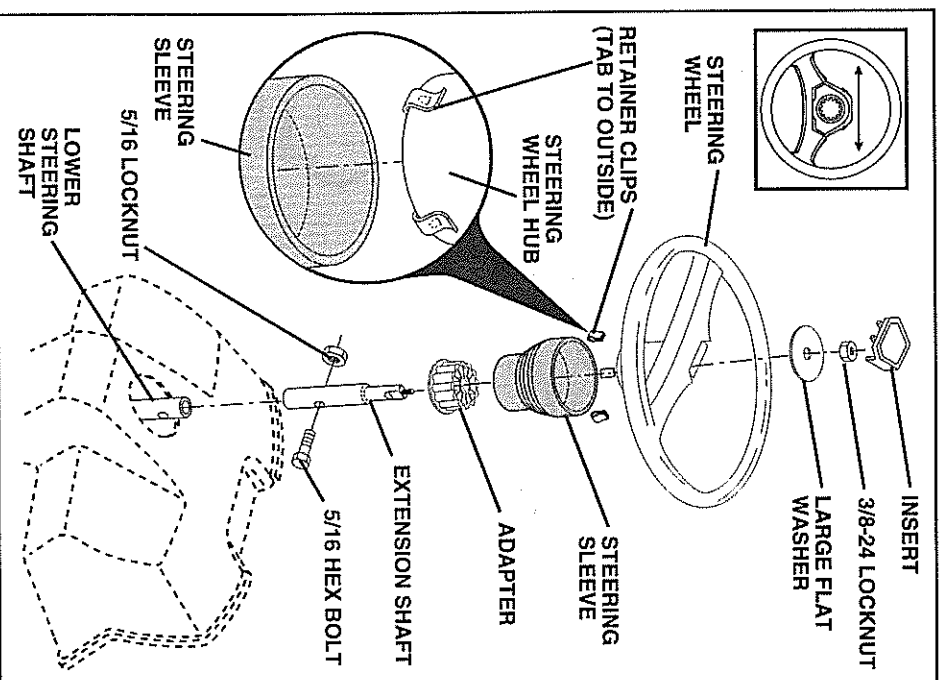


FIG. 1

IMPORTANT: CHECK FOR AND REMOVE ANY STAPLES IN SKID THAT MAY PUNCTURE TIRES WHERE TRACTOR IS TO ROLL OFF SKID.

TO ROLL TRACTOR OFF SKID (See Fig. 8)

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in neutral (N) position.
- Roll tractor backwards off skid.

ASSEMBLY

CONNECT BATTERY (See Fig. 2)



CAUTION: Do not short battery terminals. 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.
- Open terminal access doors, remove terminal protective caps and discard.
- 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.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close terminal access doors.

Use terminal access doors for:

- Inspection for secure connections (to tighten hardware).
- Inspection for corrosion.
- Testing battery.
- Jumping (if required).
- Periodic charging.

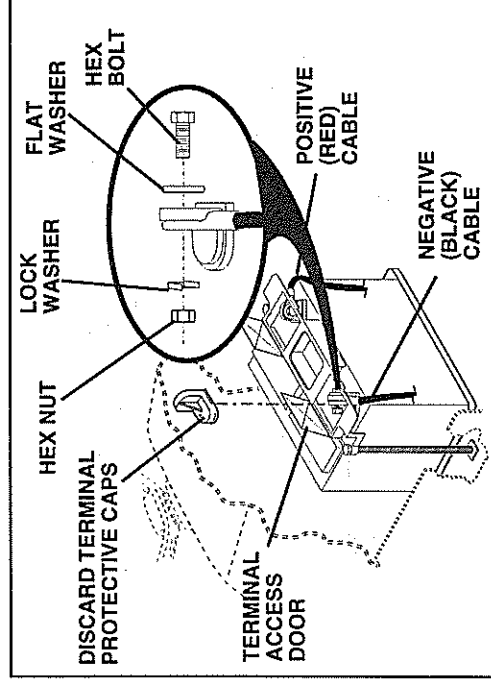


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment knob.

- Remove cardboard packing on seat pan.
- Place seat on seat pan and assemble shoulder bolt.
- Assemble adjustment knob and flat washer loosely. Do not tighten.
- Tighten shoulder bolt securely.
- 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.

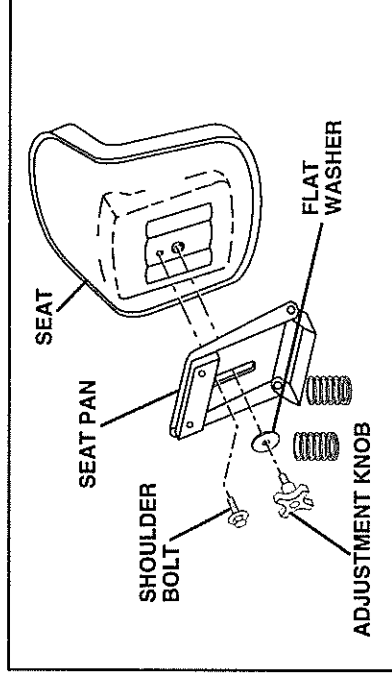


FIG. 3

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" on page 3 of this manual.

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.

TO ATTACH NOSE ROLLER (See Fig. 4)

- Position brackets, 17/32 x 7/8 x 16 gauge washers, and nose roller between deck mounting brackets as shown. Be sure to position brackets on correct side, as shown.
- Install 3/8-16 x 1 hex bolts and 3/8-16 crownlock nuts as shown. Tighten hardware securely.

NOTE: Be sure bracket tabs are positioned in tab holes in deck brackets.

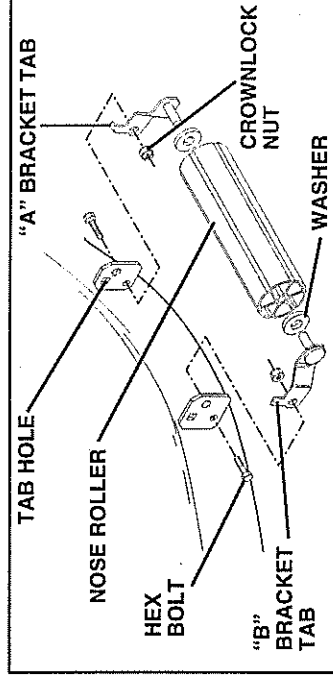


FIG. 4

ASSEMBLY

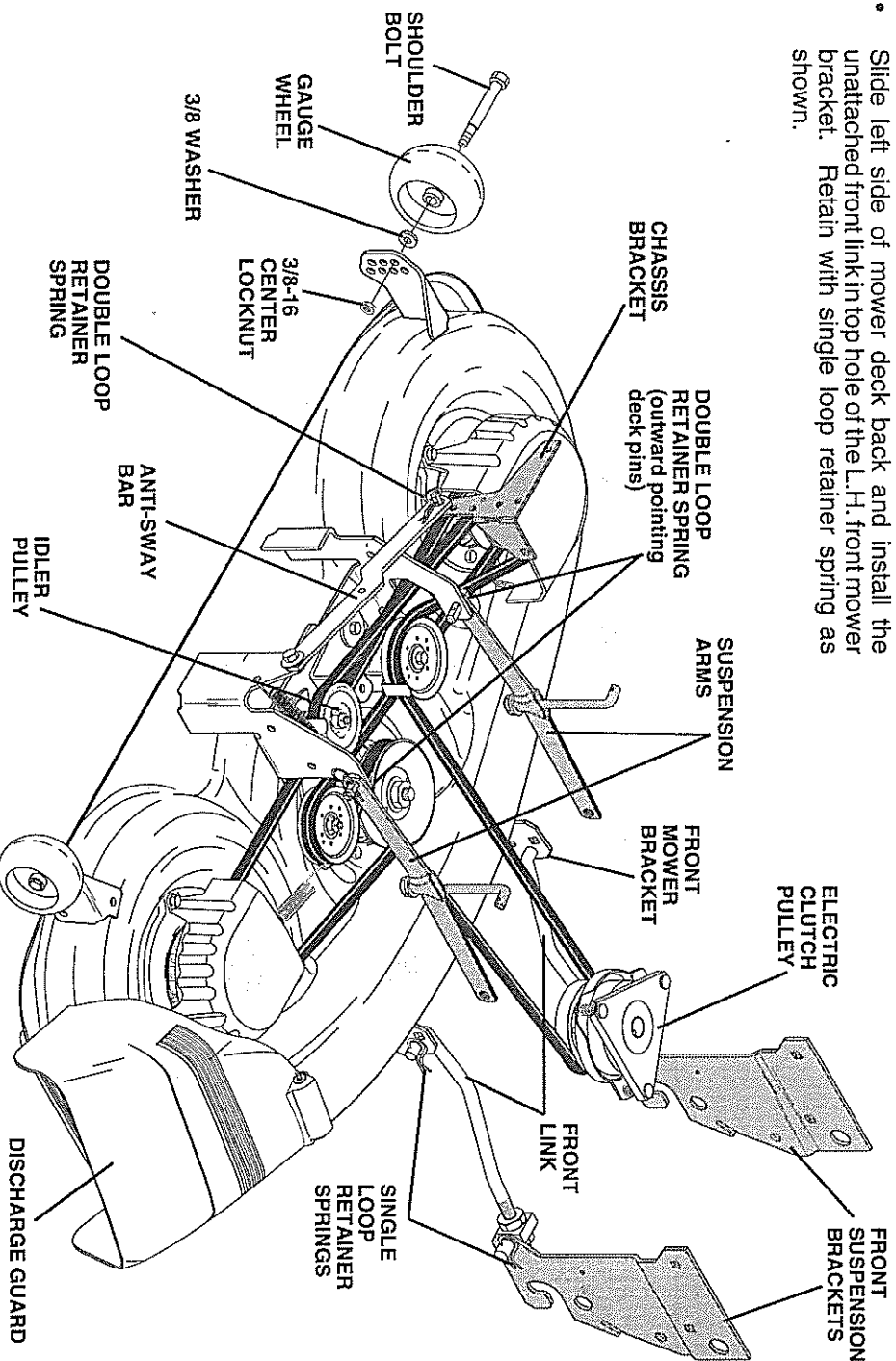
INSTALL MOWER AND DRIVE BELT (See Figs. 5 and 8)

Be sure tractor is on level surface and mower suspension arms are raised with attachment lift control. Engage parking brake.

- Cut and remove tie down securing anti-sway bar. Swing anti-sway bar to left side of mower deck.
- Slide mower under tractor with discharge guard to right side of tractor.

IMPORTANT: CHECK BELT FOR PROPER ROUTING IN ALL MOWER PULLEY GROOVES. INSTALL BELT INTO ELECTRIC CLUTCH PULLEY GROOVE.

- Install one front link in top hole of the R.H. front mower bracket and R.H. front suspension bracket. Retain with two single loop retainer springs as shown.
- Install second front link in L.H. front suspension bracket only and retain with single loop retainer spring as shown.
- Turn height adjustment knob counterclockwise until it stops.
- Lower mower linkage with attachment lift control.
- Place the L.H. suspension arm on outward pointing deck pin. If necessary, rock and raise front of mower to align deck pin with the hole in suspension arm.
- Slide left side of mower deck back and install the unattached front link in top hole of the L.H. front mower bracket. Retain with single loop retainer spring as shown.



- Place the R.H. suspension arm on outward pointing deck pin. If necessary, rock and raise front of mower to align deck pin with the hole in suspension arm.
- Connect anti-sway bar to chassis bracket under left footrest and retain with double loop retainer spring.
- Retain both suspension arms to deck pins with double loop retainer springs.
- Turn height adjustment knob clockwise to remove slack from mower suspension.
- Raise deck to highest position.
- Assemble gauge wheels (See "TO ADJUST GAUGE WHEELS" in the Operation 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, mower drive, and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly.

FIG. 5

ASSEMBLY

TO ATTACH FRONT BUMPER (See Fig. 6)

NOTE: For ease of assembly, you may wish to obtain the assistance of another person for mounting bumper to tractor.

- Press or tap the end caps into ends of bumper tube.
- On both sides of chassis, position extension bracket as shown and loosely assemble to rear chassis hole with supplied 3/8-16 x 1-1/4 carriage bolt, 13/32 washer and 3/8-16 crownlock nut from parts bag. Do not tighten the brackets. Allow them to hang from the chassis.
- Position bumper and extension brackets so brackets can be slid inside flattened ends of bumper.
- Slide bumper onto brackets and pivot upwards to align center hole in bumper with holes in extension brackets and tractor chassis.
- With all holes aligned, assemble carriage bolt, washer, and locknut to both sides of tractor chassis.
- Tighten all four (4) locknuts securely.

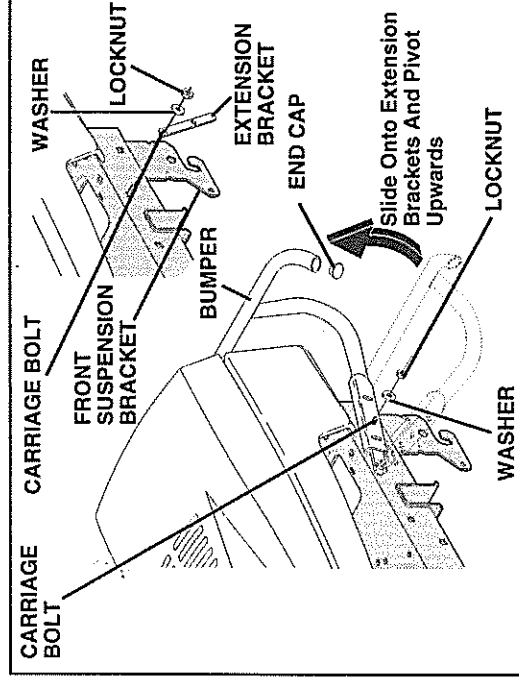


FIG. 6

INSTALL MULCHER PLATE (See Figs. 7A and 7B)

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

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

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



CAUTION: Do not remove discharge guard from mower. Raise and hold guard when attaching mulcher plate and allow it to rest on plate while in operation.

TO CONVERT TO BAGGING OR DISCHARGING

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

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

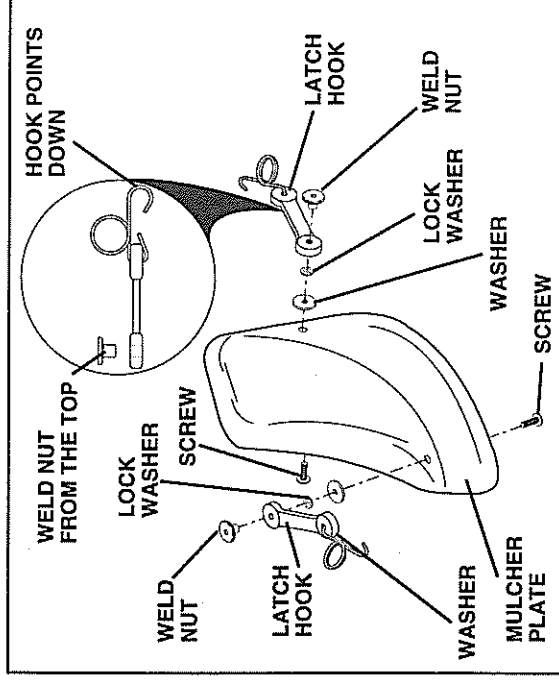


FIG. 7A

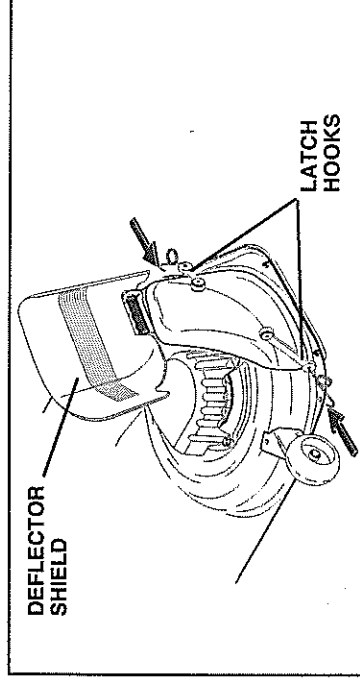


FIG. 7B

✓ CHECKLIST

BEFORE YOU OPERATE AND ENJOY YOUR NEW TRACTOR, WE WISH TO ASSURE THAT YOU RECEIVE THE BEST PERFORMANCE AND SATISFACTION FROM THIS QUALITY PRODUCT.

PLEASE REVIEW THE FOLLOWING CHECKLIST:

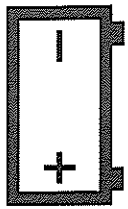
- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated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

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:

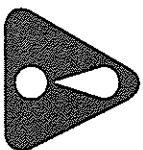
- ✓ Engine oil is at proper level.
- ✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- ✓ Become familiar with all controls - their location and function. Operate them before you start the engine.
- ✓ Be sure brake system is in safe operating condition.

OPERATION

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



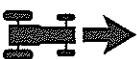
BATTERY



CAUTION OR WARNING



REVERSE



FORWARD



FAST



SLOW



ENGINE ON



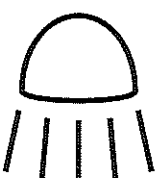
ENGINE OFF



OIL PRESSURE



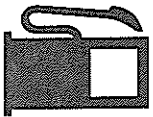
CLUTCH



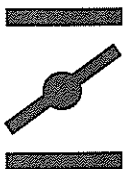
LIGHTS ON



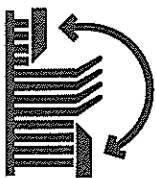
LIGHTS OFF



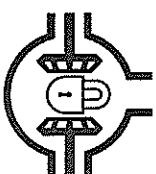
FUEL



CHOKE



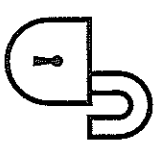
MOWER HEIGHT



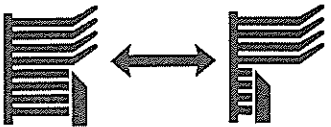
DIFFERENTIAL LOCK



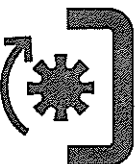
PARKING BRAKE LOCKED



PARKING BRAKE UNLOCKED



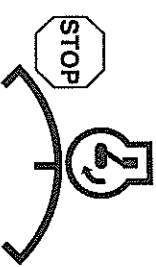
MOWER LIFT



ATTACHMENT CLUTCH ENGAGED



ATTACHMENT CLUTCH DISENGAGED



IGNITION

R

REVERSE

N

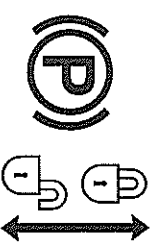
NEUTRAL

H

HIGH

L

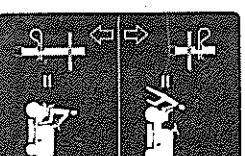
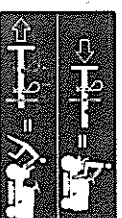
LOW



PARKING BRAKE



DANGER, KEEP HANDS AND FEET AWAY



HYDROSTATIC FREE WHEEL
(Hydro Models only)

OPERATION

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.

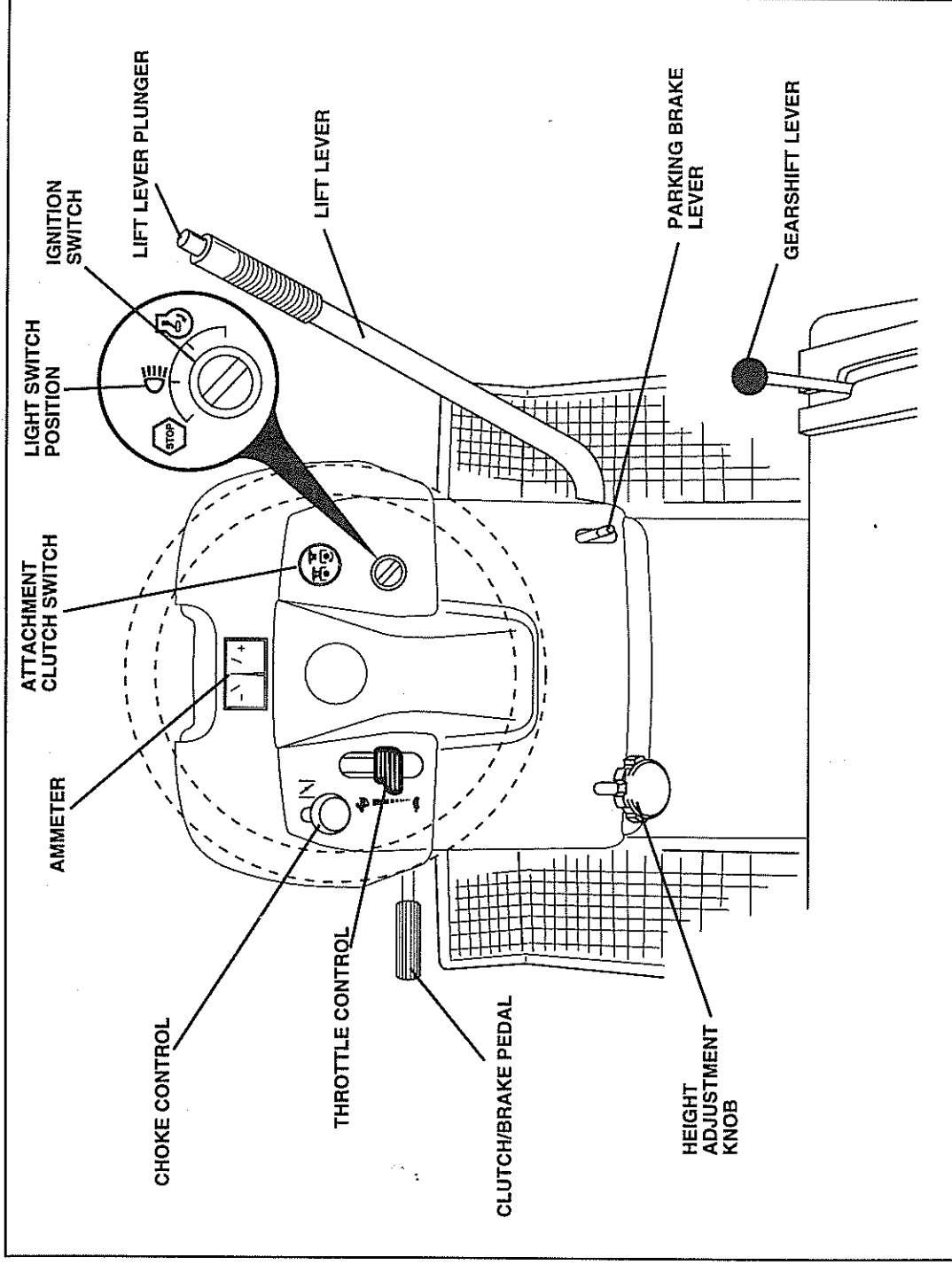


FIG. 8

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

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

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

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

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

THROTTLE CONTROL - Used to control engine speed.

IGNITION SWITCH - Used to start and stop the engine.

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

LIGHT SWITCH - Turns the headlights on and off.

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

CHOKE CONTROL - Used when starting a cold engine.

HEIGHT ADJUSTMENT KNOB - Used to adjust the mower height.

GEARSHIFT LEVER - Selects the speed and direction of tractor.

OPERATION



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 the spectacles or standard safety glasses.

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig. 9)

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.

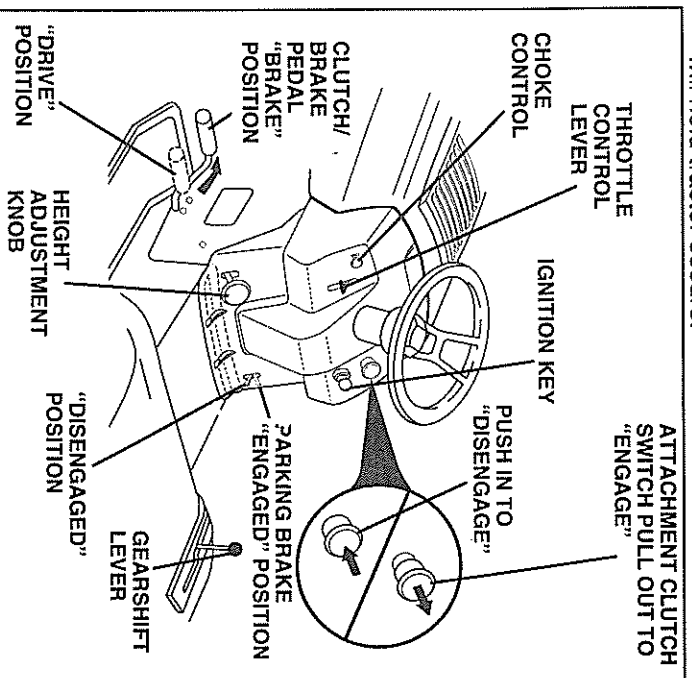


FIG. 9

STOPPING (See Fig. 9)

MOWER BLADES -

- Move attachment clutch switch to "DISENGAGED" position.

GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to neutral (N) position.

ENGINE -

- Move throttle control to slow () position.

NOTE: Failure to move throttle control to slow () position and allowing engine to idle before stopping may cause engine to "backfire".

- Turn ignition key to "OFF" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.
- Never use choke to stop engine.

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



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

TO USE THROTTLE CONTROL (See Fig. 9)

Always operate engine at full throttle.

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

TO USE CHOKE CONTROL (See Fig. 9)

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

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

TO MOVE FORWARD AND BACKWARD (See Fig. 9)

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.
 - Move gearshift lever to desired position.
 - Slowly release clutch/brake pedal to start movement.
- IMPORTANT: BRING TRACTOR TO A COMPLETE STOP BEFORE SHIFTING OR CHANGING GEARS. FAILURE TO DO SO WILL SHORTEN THE USEFUL LIFE OF YOUR TRANAXLE.**

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 9)

The cutting height is controlled by turning the height adjustment knob in desired direction.

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

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

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

OPERATION

TO ADJUST GAUGE WHEELS (See Fig. 10)

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.

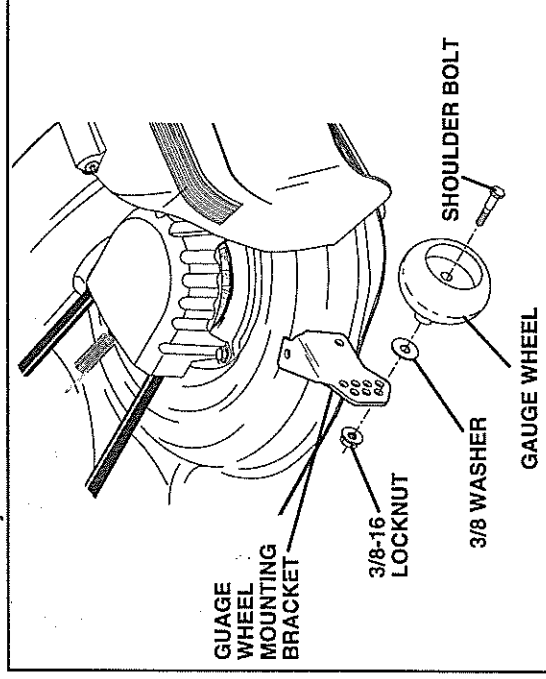
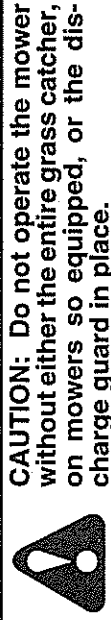


FIG. 10

TO OPERATE MOWER (See Figs. 8 and 9)

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

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



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

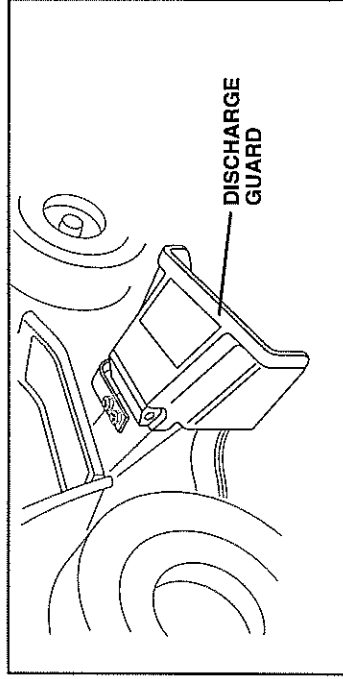


FIG. 11

TO OPERATE ON HILLS



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

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to 1st gear. Be sure you have allowed room for tractor to roll slightly as you restart movement.
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

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

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

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 12)

- 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.
- Unthread and remove oil fill cap/dipstick; wipe oil off. Reinsert the dipstick into the tube and rest oil fill cap on the tube. Do not thread the cap onto the tube. 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 Customer Responsibilities section of this manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

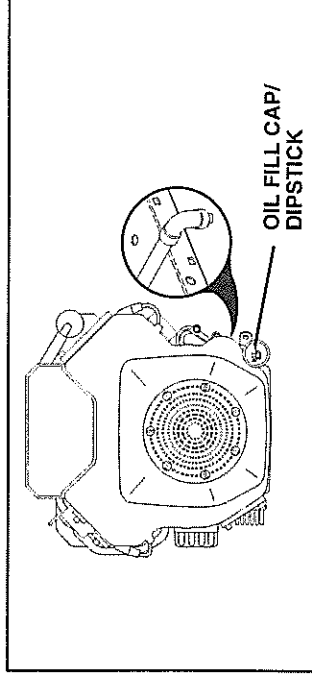


FIG. 12

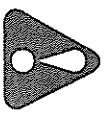
OPERATION

ADD GASOLINE

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

IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F (0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING.

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



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

TO START ENGINE (See Fig. 9)

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

- Depress clutch/brake pedal and set parking brake.
- Place gearshift lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Pull choke control out to choke (1\1) position for cold engine start. For warm engine start do not use choke control.
- Move throttle control to midway between fast (👉) and slow (👈) positions.
- 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 engine does not start after several attempts, move throttle control to fast (👉) position, wait a few minutes and try again.
- When engine starts, slowly push choke control in.
- Move throttle control to fast (👉) position.
- Allow engine to warm up for a few minutes before engaging drive or attachments.

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

MOWING TIPS

- Tire chains cannot be used when the mower housing is attached to unit.
- 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. 13).
- 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.

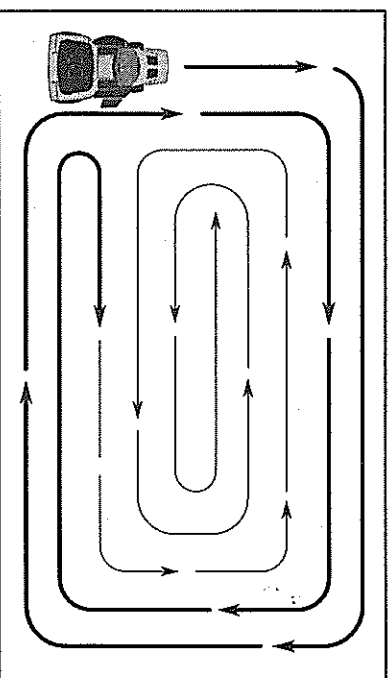


FIG. 13

CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE		BEFORE EACH USE					SERVICE DATES				
FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		EVERY 2 HOURS					EVERY 25 HOURS				
		EVERY 50 HOURS					EVERY 100 HOURS				
		BEFORE STORAGE									
TRACTOR		Check Brake Operation	✓								
		Check Tire Pressure	✓								
		Check for Loose Fasteners	✓				✓ ⁷				
		Sharpen/Replace Mower Blades									
		Lubrication Chart					✓ ⁴				
		Check Battery Level/Recharge					✓ ⁵				
		Clean Battery and Terminals					✓				
		Check Transaxle Cooling					✓				
		Adjust Blade Belt(s) Tension						✓ ⁵			
		Adjust Motion Drive Belt(s) Tension						✓ ⁵			
ENGINE		Check Engine Oil Level	✓								
		Change Engine Oil		✓			✓ ^{1,2,3}			✓	
		Clean Air Filter					✓ ²				
		Clean Air Screen					✓ ²				
		Inspect Muffler/Spark Arrester					✓				
		Replace Oil Filter (if equipped)						✓ ^{1,2}			
		Clean Engine Cooling Fins						✓ ²			
		Replace Spark Plug						✓			
		Replace Air Filter Paper Cartridge						✓ ²			
		Replace Fuel Filter								✓	

- 1 - Change more often when operating under a heavy load or in high ambient temperatures.
 2 - Service more often when operating in dirty or dusty conditions.
 3 - If equipped with oil filter, change oil every 50 hours.
 4 - Replace blades more often when mowing in sandy soil.

- 5 - If equipped with adjustable system.
 6 - Not required if equipped with maintenance-free battery.
 7 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum.
 Do not overtighten.

GENERAL RECOMMENDATIONS

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

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

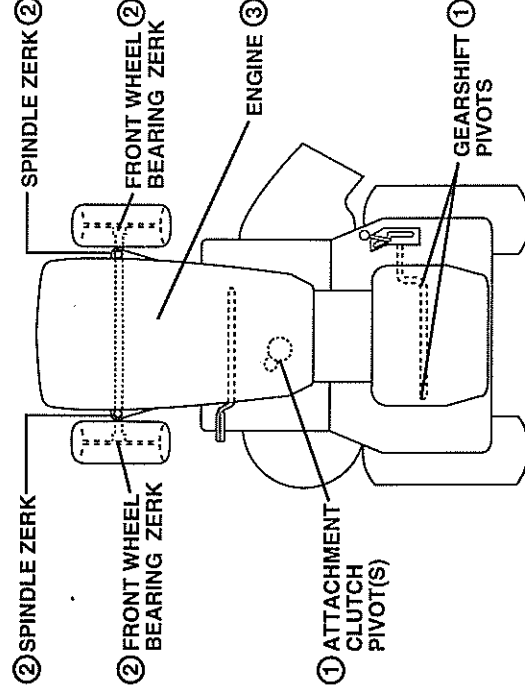
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check for loose fasteners.

LUBRICATION CHART



- ① SAE 30 OR 10W30 MOTOR OIL
 ② GENERAL PURPOSE GREASE

③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF-LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY.

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" on page 3 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.

BLADE CARE

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

BLADE REMOVAL (See Fig. 14)

- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.
- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (30-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

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

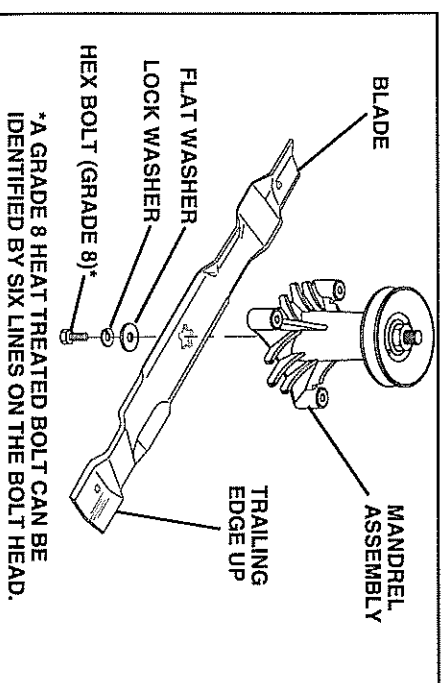


FIG. 14

TO SHARPEN BLADE (See Fig. 15)

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).
- 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.

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

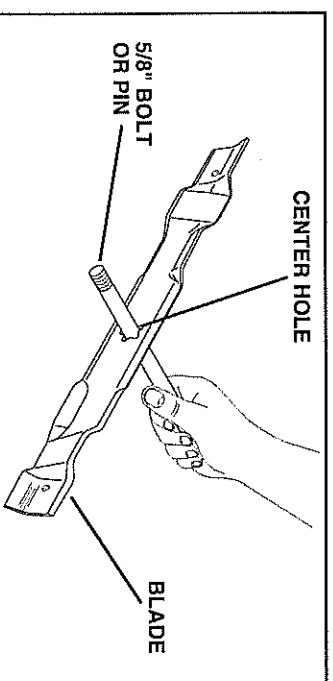


FIG. 15

V-BELTS

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

TRANSAXLE COOLING

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

CUSTOMER RESPONSIBILITIES

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.

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 "CONNECT BATTERY" in the Assembly section of this manual).

ENGINE

LUBRICATION

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

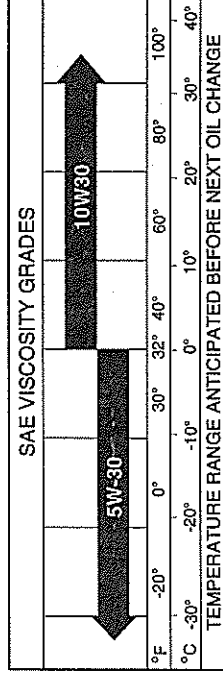


FIG. 16

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

Change the oil after the first two hours of operation and every 50 hours thereafter 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. 16 and 17)

Determine temperature range expected before oil change. All oil must meet API service classification SF or SG.

- Be sure tractor is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.
- Use gauge on oil fill cap/dipstick for checking level. Insert dipstick into the tube and rest the oil fill cap on the tube. Do not thread the cap onto the tube when taking reading. Keep oil at "FULL" line on dipstick. Tighten cap onto the tube securely when finished.

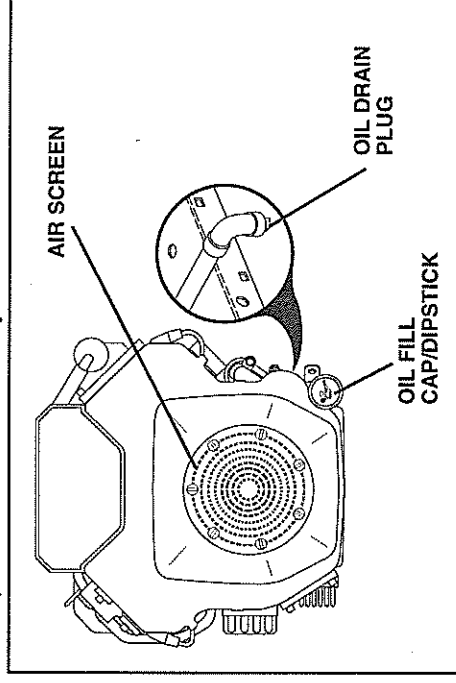


FIG. 17

CLEAN AIR SCREEN (See Fig. 17)

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.

CLEAN AIR INTAKE/COOLING AREAS

To insure proper cooling, make sure the grass screen, cooling fins, and other external surfaces of the engine are kept clean at all times.

Every 100 hours of operation (more often under extremely dusty, dirty conditions), remove the blower housing and other cooling shrouds. Clean the cooling fins and external surfaces as necessary. Make sure the cooling shrouds are reinstalled.

NOTE: Operating the engine with a blocked grass screen, dirty or plugged cooling fins, and/or cooling shrouds removed will cause engine damage due to overheating.

CUSTOMER RESPONSIBILITIES

AIR FILTER (See Fig. 18)

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

Service air cleaner more often under dusty conditions.

- Loosen knob and remove cover.

TO SERVICE PRE-CLEANER

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

TO SERVICE CARTRIDGE

- Remove nut and cartridge plate.
- Gently tap the flat side of the paper cartridge to dislodge dirt. Do not wash the paper cartridge or use pressurized air, as this will damage the cartridge. Replace a dirty, bent, or damaged cartridge.
- Reinstall the pre-cleaner (cleaned and oiled) over the paper cartridge.
- Check rubber seal for damage and proper position around stud. Replace if necessary.
- Reassemble air cleaner, cartridge plate, and nut.
- Reinstall air cleaner cover and secure by tightening knob.

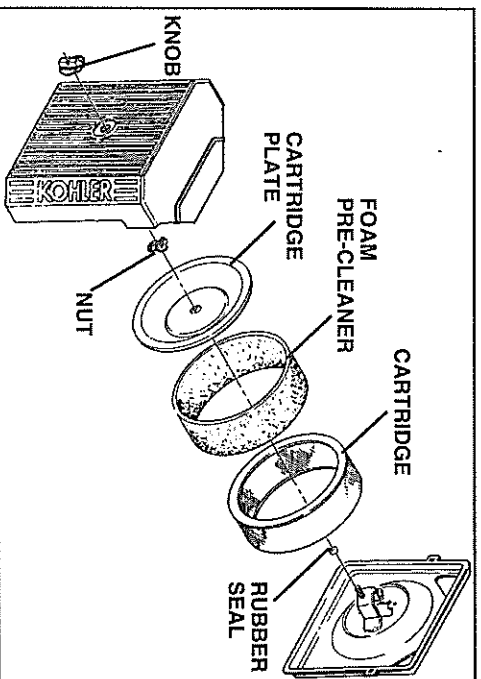


FIG. 18

ENGINE OIL FILTER

Replace the engine oil filter every season or every other oil change if the tractor is not used more than 100 hours in one year.

MUFFLER

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

SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of operation, whichever comes first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

IN-LINE FUEL FILTER (See Fig. 19)

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.

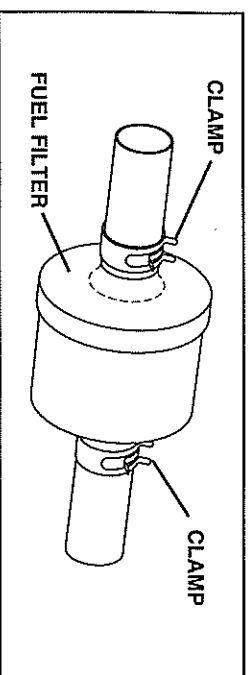


FIG. 19

CLEANING

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

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

SERVICE AND ADJUSTMENTS



CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

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

TO REMOVE MOWER (See Fig. 20)

- Place attachment clutch in "DISENGAGED" position.
- Turn height adjustment knob to lowest setting.
- Lower mower to its lowest position.
- Remove retainer spring holding anti-swaybar to chassis bracket and disengage anti-swaybar from bracket.
- Remove retainer springs from suspension arms at deck and disengage arms from deck.
- Raise attachment lift to its highest position.
- Remove two retainer springs from each front link and remove links.
- Slide mower forward and remove belt from electric clutch pulley.
- Slide mower out from under right side of tractor.

IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER DECK IS TO BE MOUNTED ON THE TRACTOR, REMOVE THE FRONT LINKS.

TO INSTALL MOWER

Follow procedure described in "INSTALL MOWER AND DRIVE BELT" in the Assembly section of this manual.

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" on page 3 of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 20 and 21)

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

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

- Recheck measurements after adjusting.

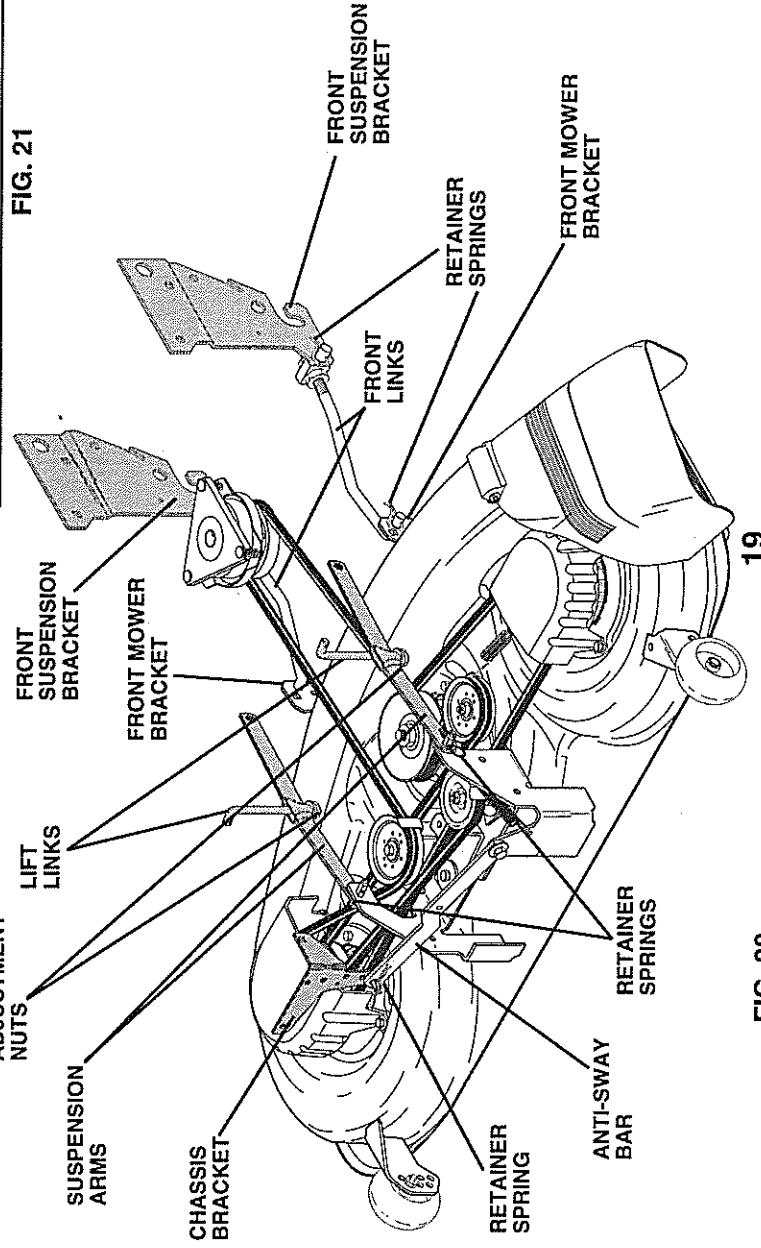
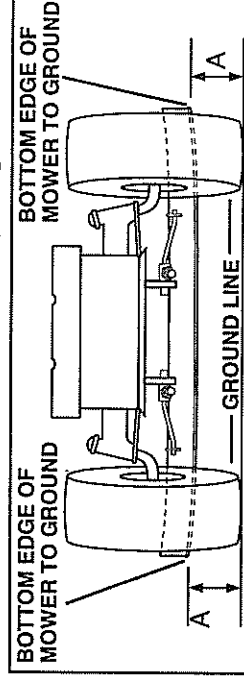


FIG. 20

SERVICE AND ADJUSTMENTS

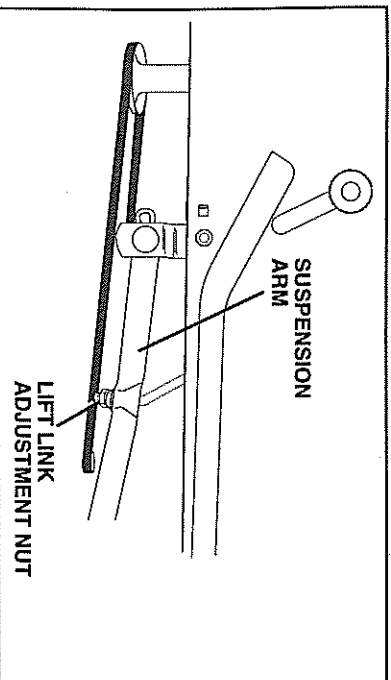


FIG. 22

FRONT-TO-BACK ADJUSTMENT (See Figs. 23 and 24)

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 1/4" to 3/4" lower than the rear when the mower is in its highest position.

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

- Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8".
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.

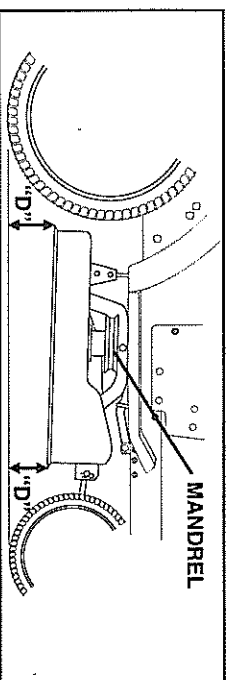


FIG. 23

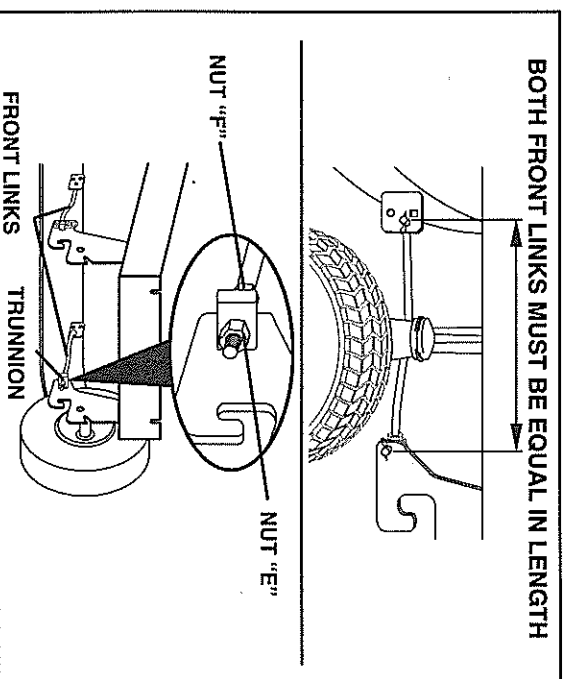


FIG. 24

TO REPLACE MOWER DRIVE BELT

MOWER DRIVE BELT REMOVAL (See Fig. 25)

- Park tractor on a level surface. Engage parking brake.
- Remove four screws from L.H. mandrel cover and remove cover.
- Roll belt over the top of L.H. mandrel pulley.
- Remove belt from electric clutch pulley.
- Remove belt from idler pulleys.
- Remove any dirt or grass clippings which may have accumulated around mandrels and entire upper deck surface.
- Check primary idler arm and two idlers to see that they rotate freely.
- Be sure spring is securely hooked to primary idler arm and bolt in mower housing.
- **MOWER DRIVE BELT INSTALLATION** (See Fig. X) -
 - Install belt in both idlers. Make sure belt is in both belt keepers at the idlers as shown.
 - Install new belt onto electric clutch pulley.
 - Roll belt into upper groove of L.H. mandrel pulley.
 - Carefully check belt routing making sure belt is in the grooves correctly and inside belt keepers.
 - Reassemble L.H. mandrel cover.

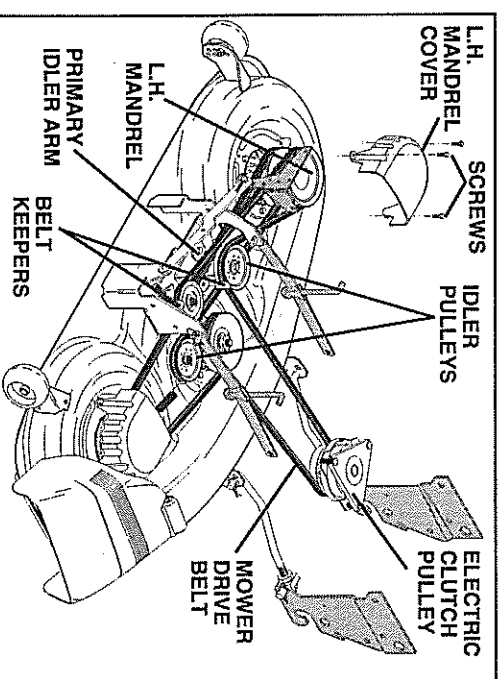


FIG. 25

SERVICE AND ADJUSTMENTS

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 26)

Park the tractor on level surface. Engage parking brake.

- Remove mower drive belt (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual).
- Remove mower (See "TO REMOVE MOWER" in this section of this manual).
- Remove four screws from R.H. mandrel cover and remove cover. Unhook spring from bolt on mower housing.
- Carefully roll belt off R.H. mandrel pulley.
- Remove belt from center mandrel pulley, idler pulley, and L.H. mandrel pulley.
- Remove any dirt or grass which may have accumulated around mandrels and entire upper deck surface.
- Check secondary idler arm and idler to see that they rotate freely.
- Be sure spring is hooked in secondary idler arm and sway-bar bracket.
- Install new belt in lower groove of L.H. mandrel pulley, idler pulley, and center mandrel pulley as shown.
- Roll belt over R.H. mandrel pulley. Make sure belt is in all grooves properly.
- Reconnect spring to bolt in mower housing and reinstall R.H. mandrel cover.
- Reinstall mower to tractor (See "INSTALL MOWER AND DRIVE BELT" in the Assembly section of this manual).
- Reassemble mower drive belt (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual).

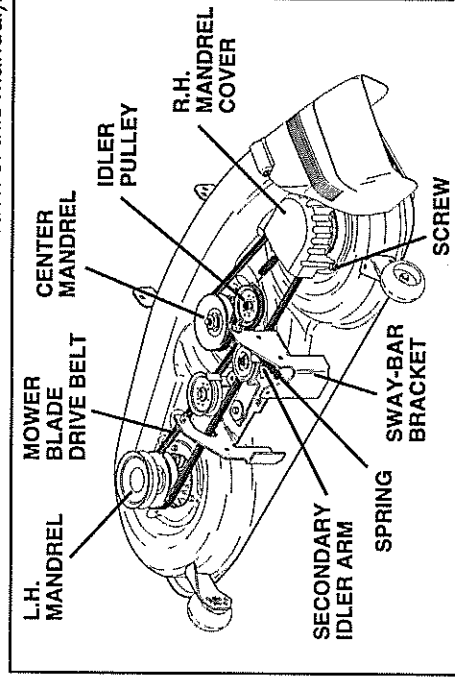


FIG. 26

TO ADJUST ATTACHMENT CLUTCH (See Fig. 27)

The electric clutch should provide years of service. The clutch has a built-in brake that stops the pulley within 5 seconds. Eventually, the internal brake will wear which may cause the mower blades to not engage, or, to not stop as required. Adjustments should be made by your nearest authorized service center/department.

- Make sure attachment clutch and ignition switches are in "OFF" position.
- Adjust the three nylon locknuts until space between clutch plate and rotor measures .012" at all three slot locations cut in the side of brake plate.

NOTE: After installing a new electric clutch, run tractor at full throttle and engage and disengage electric clutch 10 cycles to wear in clutch plate.

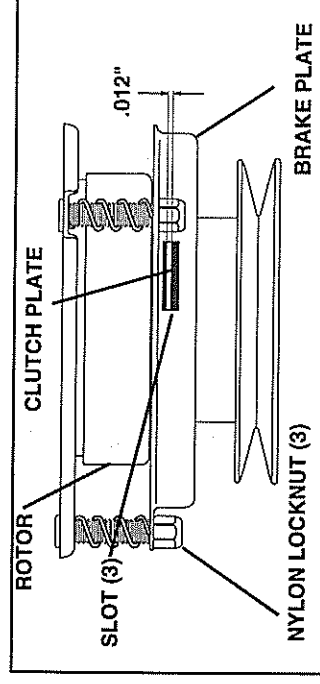


FIG. 27

TO ADJUST BRAKE (See Fig. 28)

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

If tractor requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

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

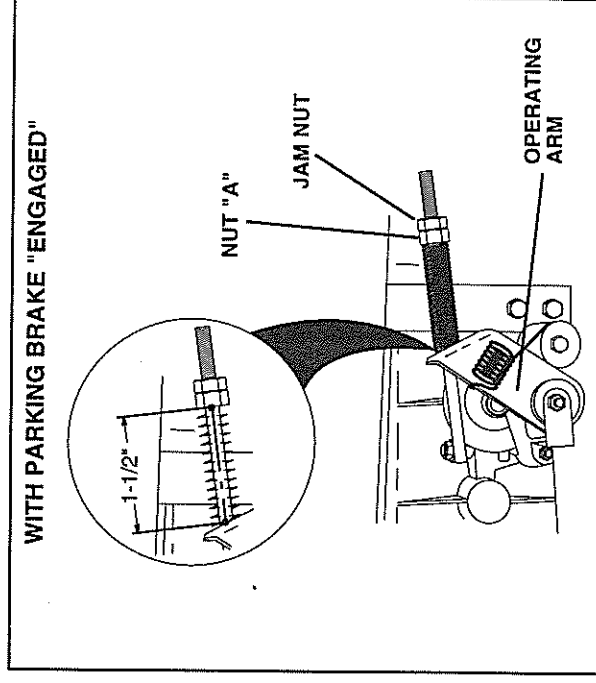


FIG. 28

SERVICE AND ADJUSTMENTS

TO REPLACE MOTION DRIVE BELT (See Fig. 29)

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

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

IMPORTANT: MAKE SURE UPPER BELT KEEPER IS POSITIONED PROPERLY BETWEEN LOCATOR TABS AND ELECTRIC CLUTCH WIRE CONNECTION IS SECURE.

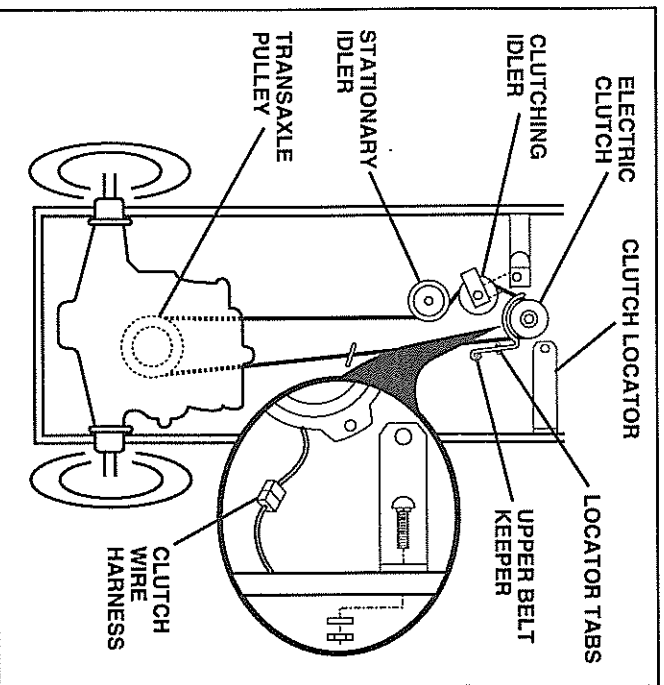


FIG. 29

TRANSAXLE SHIFTER LINKAGE AND ADJUSTMENT (See Figs. 30 and 31)

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

- Make sure transaxle is in neutral.
- Loosen two locknuts on tie rod.
- Turn center rod until gearshift lever falls into neutral lock gate on fender console.
- Tighten locknuts securely.

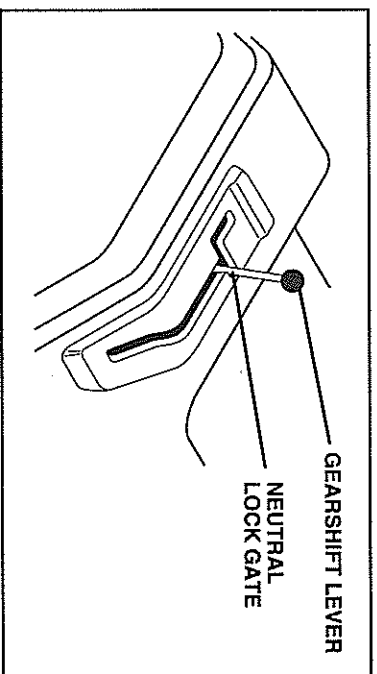


FIG. 30

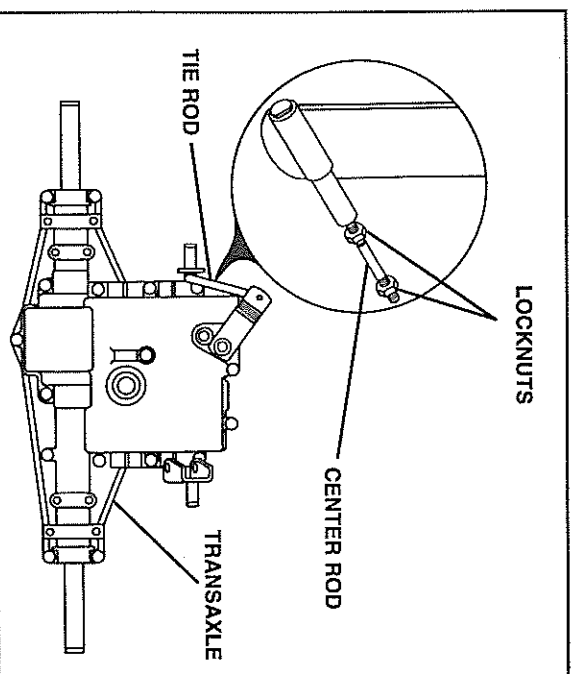


FIG. 31

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. 32)

- 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.

SERVICE AND ADJUSTMENTS

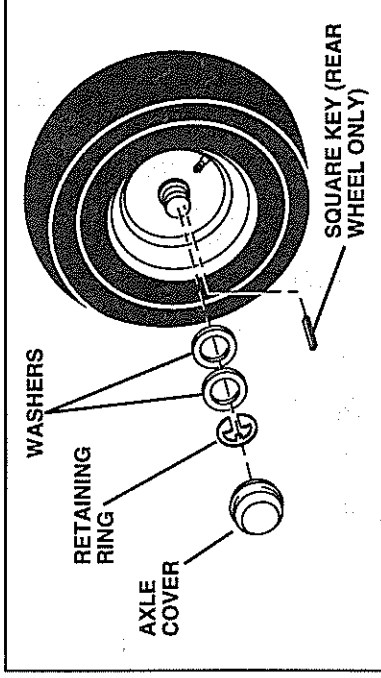


FIG. 32

TO START ENGINE WITH A WEAK BATTERY (See Fig. 33)

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

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

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

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to a panel bolt on the left side of the tractor, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

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

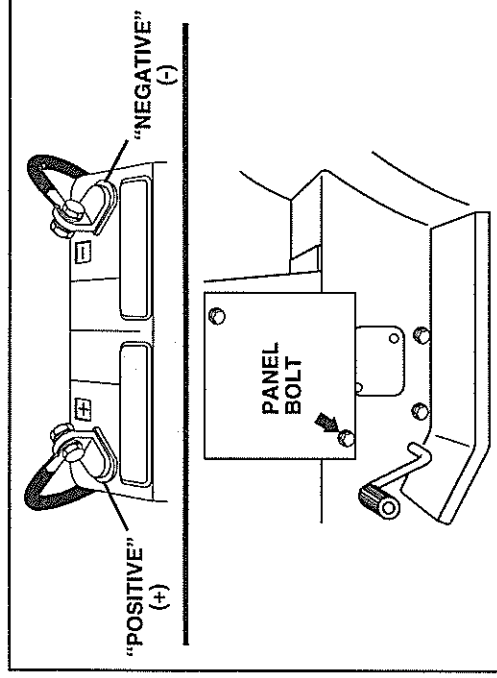


FIG. 33

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 of this manual.

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 34)

- 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.

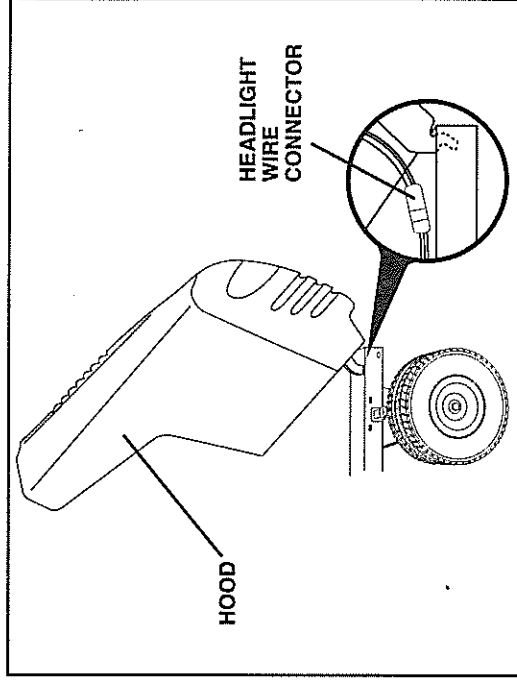


FIG. 34

SERVICE AND ADJUSTMENTS

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 35)

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

- With engine not running, move throttle control lever to fast (🔥) position.
- Check that speed control lever is against stop screw. If it is not, loosen casing clamp screw and pull throttle cable until lever is against screw. Tighten clamp screw securely.

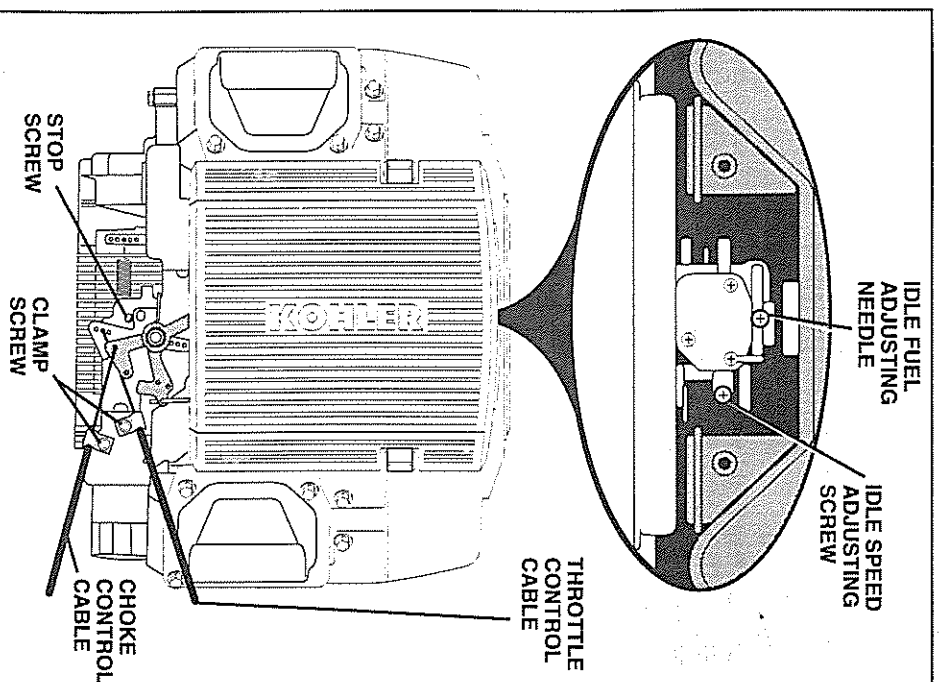


FIG. 35

TO ADJUST CHOKE CONTROL (See Figs. 35 and 36)

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

- With engine not running, move choke control (located on dash panel) to full choke (N) position.
- Remove air cleaner cover, filter and cartridge plate to expose carburetor choke (See "AIR FILTER" in the Customer Responsibilities section of this manual).
- Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- Reassemble air cleaner.

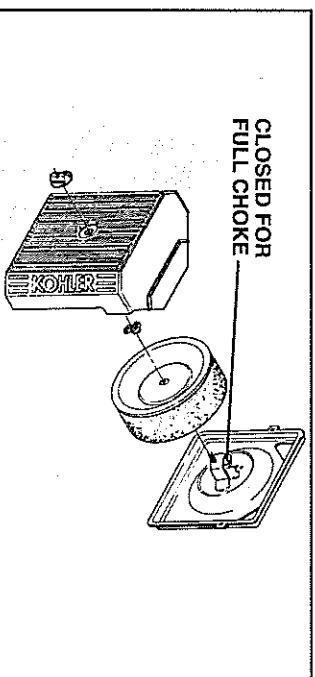


FIG. 36

TO ADJUST CARBURETOR (See Fig. 35)

The carburetor has been present at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows:

In general, turning the adjusting needles in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the adjusting needles out (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: DAMAGE TO THE NEEDLES AND THE SEATS IN CARBURETOR MAY RESULT IF SCREW IS TURNED IN TOO TIGHT.

PRELIMINARY SETTING-

- Be sure you have a clean air filter, and the throttle control cable is adjusted properly (See "TO ADJUST THROTTLE CONTROL CABLE" in the Service and Adjustments section of this manual).
- With engine off turn idle fuel adjusting needle in (clockwise) closing it finger tight and then turn out (counterclockwise) 1 turn.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in neutral (N) position.
- The high idle is set at the factory and cannot be adjusted.
- Idle speed setting - With throttle control lever in slow (🔥) position, engine should idle at 1200 RPM. If engine idles too slow or fast, turn idle speed adjusting screw in or out until correct idle is attained.
- Idle fuel needle setting - With throttle control lever in slow (🔥) position, turn idle fuel adjusting needle in (clockwise) until engine speed decreases and then turn out (counterclockwise) approximately 3/4 turn to obtain the best low speed performance.

- Recheck idle speed. Readjust if necessary.

ACCELERATION TEST -

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

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

IMPORTANT: NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER/DEPARTMENT, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

STORAGE

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



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

TRACTOR

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

- Clean entire tractor (See "CLEANING" in the Customer Responsibilities 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 Customer Responsibilities 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 Customer Responsibilities section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- Be sure battery drain tube is securely attached.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

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

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

ENGINE OIL

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

CYLINDERS

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

OTHER

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

IMPORTANT: NEVER COVER TRACTOR WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.

TROUBLESHOOTING POINTS

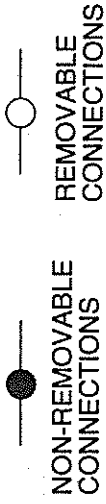
PROBLEM	CAUSE	CORRECTION
Will not start	1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment.	1. Fill fuel tank. 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. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. Contact an authorized service center/department. 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. 8. Engine valves out of adjustment.	1. Clean/replace air filter. 2. Replace spark plug. 3. Recharge or replace battery. 4. Replace fuel filter. 5. Drain fuel tank and refill with fresh gasoline. 6. Check all wiring. 7. Contact an authorized service center/department. 8. Contact an authorized service center/department.
Engine will not turn over	1. Clutch/brake pedal not depressed. 2. Attachment clutch is engaged. 3. Weak or dead battery. 4. Blown fuse. 5. Corroded battery terminals. 6. Loose or damaged wiring. 7. Faulty ignition switch. 8. Faulty solenoid or starter. 9. Faulty operator presence switch(es).	1. Depress clutch/brake pedal. 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.
Loss of power	1. Cutting too much grass/too fast. 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. 9. Water in fuel. 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment.	1. Set in "Higher Cut" position/reduce speed. 2. Adjust throttle control. 3. Clean underside 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. Drain fuel tank and refill with fresh gasoline. 9. Drain 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. Contact an authorized service center/department. 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. Tighten blade bolt. 2. Replace blade mandrel. 3. Tighten loose part(s). Replace damaged parts.

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Engine continues to run with operator leaves seat with attachment clutch engaged	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact an authorized service center/department.
Poor cut - uneven	1. Worn, bent or loose blade. 2. Mower deck not level. 3. Buildup of grass, leaves, and trash under mower. 4. Bent blade-mandrel. 5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Replace blade. Tighten blade bolt. 2. Level mower deck. 3. Clean underside of mower housing. 4. Replace blade mandrel. 5. Clean around mandrels to open vent holes.
Mower blades will not rotate	1. Obstruction in clutch mechanism. 2. Worn/damaged mower drive belt. 3. Frozen idler pulley. 4. Frozen blade mandrel.	1. Remove obstruction. 2. Replace mower drive belt. 3. Replace idler pulley. 4. Replace blade mandrel.
Poor grass discharge	1. Engine speed too slow. 2. Travel speed too fast. 3. Wet grass. 4. Mower deck not level. 5. Low/uneven tire air pressure. 6. Worn, bent or loose blade. 7. Buildup of grass, leaves and trash under mower. 8. Mower drive belt worn. 9. Blades improperly installed. 10. Improper blades used. 11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Place throttle control in "FAST" position. 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7. Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. 11. Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	1. Switch is "OFF". 2. Bulb(s) burned out. 3. Faulty light switch. 4. Loose or damaged wiring. 5. Blown fuse.	1. Turn switch "ON". 2. Replace bulb(s). 3. Check/replace light switch. 4. Check wiring and connections. 5. Replace fuse.
Battery will not charge	1. Bad battery cell(s). 2. Poor cable connections. 3. Faulty regulator (if so equipped). 4. Faulty alternator.	1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. 4. Replace alternator.
Engine "backfires" when turning engine "OFF"	1. Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	1. Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

SERVICE NOTES

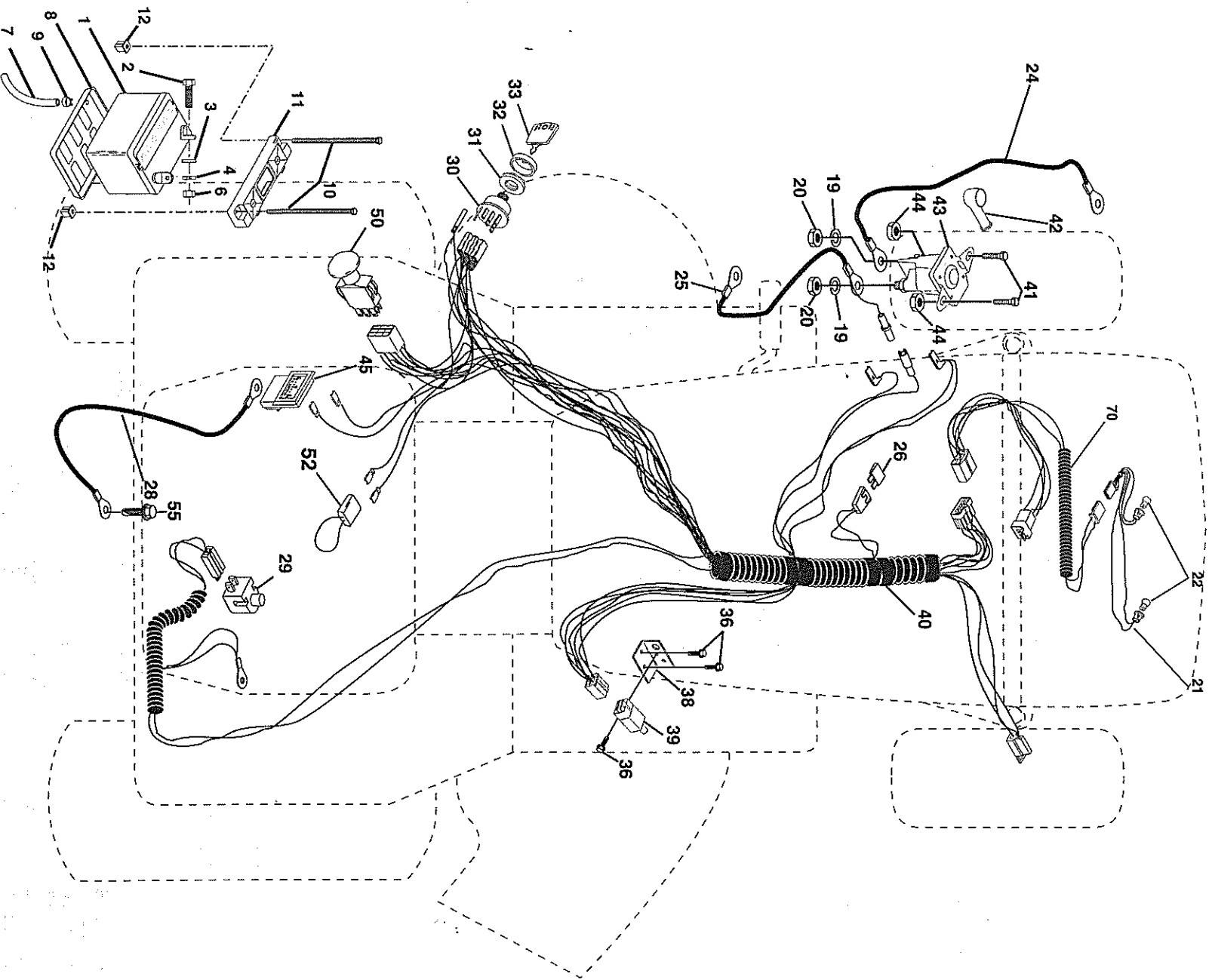
SCHEMATIC:



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

PTO SWITCH	
POSITION	CIRCUIT
OFF	C + G
ON	C + F, B + E, A + D

REPAIR PARTS
TRACTOR - MODEL NO. PP1846P (PP1846PJA), PRODUCT NO. 954 00 54-41
ELECTRICAL



REPAIR PARTS

TRACTOR - MODEL NO. PP1846P (PP1846PJA), PRODUCT NO. 954 00 54-41

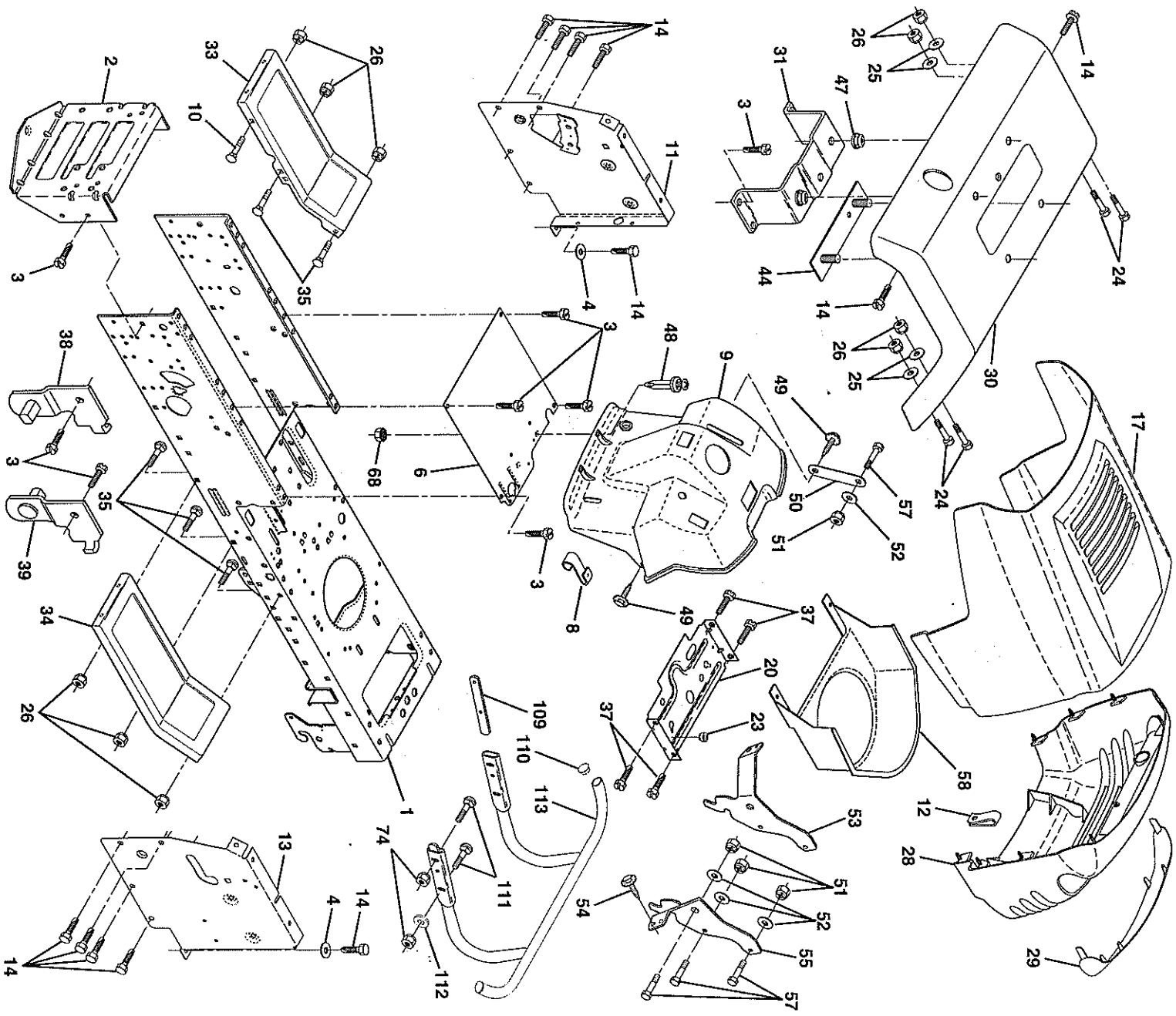
ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION
1	532146140	Battery
2	874760412	Bolt, Hex Head 1/4-20 x 3/4
3	819091016	Washer 9/32 x 5/8 x 16 Gauge
4	810040400	Washer, Lock 1/4
6	873220400	Nut, Hex 1/4-20
7	532007697	Tube, Tray, Battery
8	532124886	Tray, Battery
9	532109596	Clamp, Hose
10	532145211	Bolt, Battery Fnt 1/4-20 x 7-1/2 Zinc
11	532145209	Holddown Battery Dash Mount
12	532145769	Nut, Push Nylon 1/4" Battery Fnt
19	810090400	Washer, Lock 1/4
20	873350400	Nut, Hex, Jam 1/4-20
21	532136850	Harness, Socket, Light (w/4152J)
22	532004152	Bulb, Light
24	532124780	Cable, Battery 6 Ga. 11" Red
25	532146148	Cable, Battery 6 Ga. 22" Red w/16 Wire
26	532108824	Fuse
28	532145491	Cable, Ground 21" Blk 6 Ga. 90T
29	532121305	Switch, Plunger
30	532140301	Switch, Ignition
31	532124211	Nut, Ignition
32	532141226	Bezel, Ignition
33	532122147	Key, Molded
36	817021008	Screw, Hex Tap #10-24 UNC
38	532108236	Bracket Switch Interlock
39	532109553	Switch, Clutch, Interlock
40	532151215	Harness, Ignition
41	871110408	Bolt, Blk Fin, Hex 1/4-20 UNC x 1/2
42	532131563	Cover, Terminal
43	532145673	Solenoid
44	873640400	Nut, Keps Blk Hex 1/4-20 UNC
45	532122822	Ammeter Rectangular
50	532140404	Switch, P.T.O.
52	532141940	Protection Wire Loop
55	817490508	Screw, Thdrol. 5/16-18 x 1/2 Tyl
70	532151602	Harness Eng.

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41
CHASSIS AND ENCLOSURES



REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

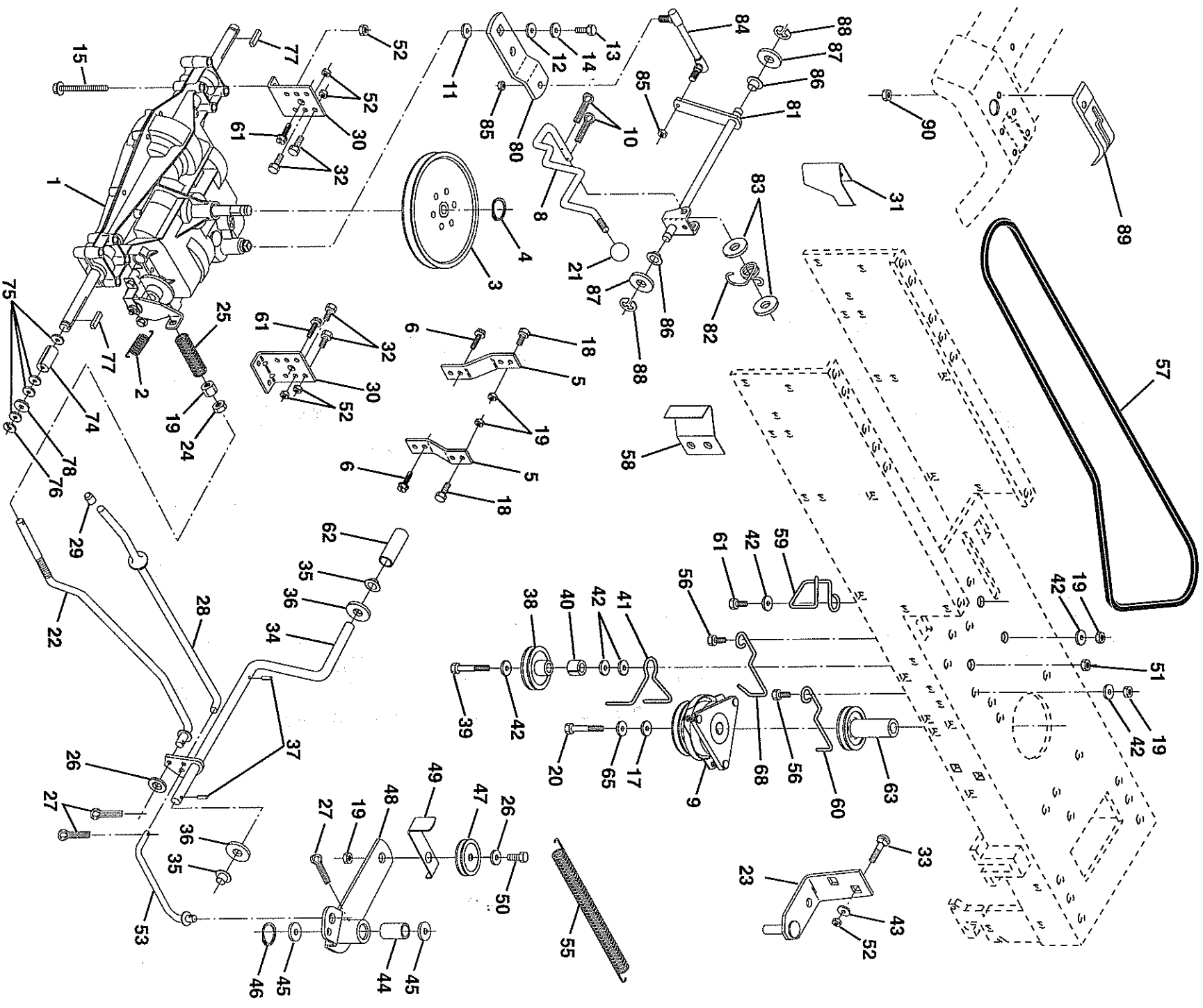
CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	532145501	Chassis Weldment 11ga
2	532140356	Drawbar, Stretch
3	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
4	819131216	Washer 13/32 x 3/4 x 16 Ga.
6	532145206	Saddle LT Fender Shift
8	532126471	Clip Insulator .406
9	532140621	Dash Private Label
10	872140608	Bolt Carriage 3/8-16 x 1
11	532146956	Panel Pnt Dash Lh
12	532145660	Clip Tinnerman Grille P/L
13	532146962	Panel Dash Rh Weldment
14	817490608	Screw Thdrol 3/8-16x1/2 Ty-tt
17	532144473	Hood Paint Steel Private Label
20	532145210	Plate Mtg
23	532124028	Bushing
24	874780616	Bolt Fin Hex 3/8-16unc X 1 Gr. 5
25	819131312	Washer 13/32 X 13/16 X 12 Ga
26	873800600	Nut Lock Hex W/Ins 3/8-16 Unc
28	532140141	Grille Private Label
29	532140273	Lens Grille Private Label
30	532152274	Fender Pnt
31	532137113	Bracket Pnt Fender
33	532152361	Footrest Pnt Lh
34	532152928	Footrest Pnt Rh
35	872110606	Bolt Rdhd Sht Sqnk 3/8-16 X3/4
37	817490508	Screw, Thdrol 5/16-18 x 1/2 TYT
38	532139886	Bracket, Asm. Pivot, L.H., Mower Rear
39	532139887	Bracket, Asm. Pivot, R.H., Mower Rear
44	532140675	Strap Asm, Fender 94
47	532105531	Nut, Push Nylon
48	532138096	Rivet Push Plate D Plastic Blk.
49	817490412	Screw Hexwsh. Thdrol 1/4-20 x 3/4
50	532142779	Brace
51	873800400	Nut Lock Hex W/Ins 1/4-20
52	819091416	Washer 9/32 x 7/8 x 16 Ga.
53	532144697	Bracket Grille LH
54	817030814	Screw Lock Spider #8 x 7/8
55	532144696	Bracket, Grille RH
57	874780412	Screw Hex 1/4-20 x 3/4
58	532151171	Air Duct P/L
68	873510400	Nut Keps Hex 1/4-20 UNC
74	873680600	Nut, Crownlock 3/8-16 UNC
109	532141461	Bracket, Extension Bumper
110	532143679	Plug, Plastic
111	872140610	Bolt, Carriage 3/8-16 x 1-1/4
112	819131316	Washer, 13/32 x 13/16 Ga.
113	532150300	Bumper Asm
--	532005479	Plug Button

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41
DRIVE



REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

DRIVE

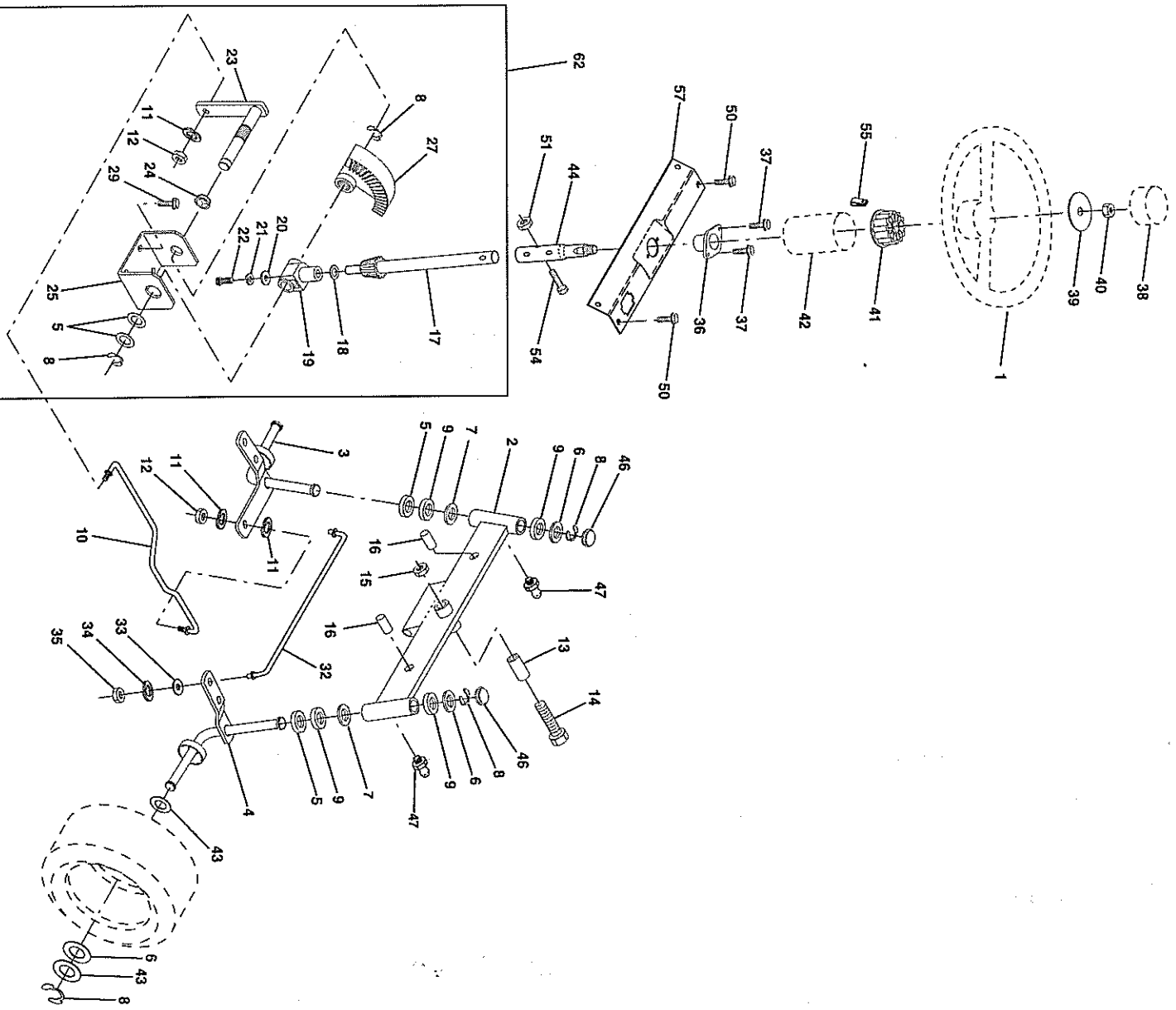
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	532145605	Transaxle 6sp Dana LT Model # 4360-96	43	819111012	Washer 11/32 x 5/8 x 12 Ga.
2	532146682	Spring Return Brake	44	532105706	Bearing Nyl 503 X 628 X 1 25
3	532123666	Pulley Transaxle 20"tires	45	532110812	Washer Hardened
4	812000028	Ring Retainer # 5100-62	46	812000039	Ring Klip #t5304-50
5	532121520	Strap Torque 30 Degrees	47	532127783	Pulley Idler V Groove Plastic
6	817490512	Screw Thdrol 5/16-18 X 3/4 TYT	48	532123789	Bellcrank Asm Clutch
8	532141002	Rod Shifter	49	532123205	Retainer Belt Style Spring
9	532137140	Clutch Electric	50	874760624	Bolt Hex Hd 3/8-16unc X 1-1/2
10	876020416	Pin Cotter 1/8 X 1 Cad	51	873680600	Nut Crownlock 3/8-16 Unc
11	532105701	Washer Plate Shf 388 Sq Hole	52	873680500	Nut Crownlock 5/16-18 Unc
12	819151216	Washer 15/32 X 3/4 X 16 Ga	53	532105710	Link Clutch 7 66
13	874550412	Bolt 1/4-28 Unf Gr. 8 w/Patch	55	532105709	Spring Return Clutch 6 75
14	810040400	Washer Lock Hvy Helical 1/4	56	874760620	Bolt Fin Hex 3/8-16unc X 1-1/4
15	874490544	Bolt, Hex FLDHD 5/16-18 Gr. 5	57	532130801	V-Belt Ground Drive 95 25 42"
17	532126197	Washer 1-1/2 OD X 15/32 ID X .250	58	532127274	Keeper Belt RH LT Pnt/zinc 16g
18	874780616	Bolt Fin Hex 3/8-16unc X 1 Gr. 5	59	532140312	Keeper Belt Chassis Span Ctr
19	873800600	Nut Lock 3/8-16 Unc	60	532121218	Keeper Belt Engine LH LT
20	532150280	Bolt, Hex 7/16-20 x 4-1/4 5 Ga. .38	61	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
21	532121274	Knob Duckhead 3/8-16unc Blk	62	532124872	Cover Pedal Blk Round
22	532130804	Rod Brake Blk Zinc 27 326	63	532140189	Engine Pulley LT/T
23	532137141	Bracket Asm. Clutch	65	810040700	Washer Lock Hvy Hlcl Spr 7/16
24	873350600	Nut Hex Jam 3/8-16 Unc	68	532105730	Keeper Belt Engine BZP Zinc
25	532106888	Spring Rod Brake 2 00 Zinc	74	532109502	Spacer Split
26	819131316	Washer 13/32 X 13/16 X 16 Ga	75	532121749	Washer 25/32 X 1 1/4 X 16 Ga
27	876020412	Pin Cotter 1/8 X 3/4 Cad	76	812000001	E-ring #5133-75
28	532145204	Rod Brake Parking	77	532123583	Key Square 2 0 X 1845/ 1865
29	532071673	Cap Brake Parking Black	78	532121748	Washer 25/32 X 1-5/8 X 16 Ga
30	532130807	Bracket Mtg Transaxle	80	532131487	Arm Shift Transaxle
31	532127275	Keeper Belt LH LT 14 Ga	81	532136933	Shaft Asm Cross 20"t 42"deck
32	874760512	Bolt Hex Hd 5/16-18unc X 3/4	82	532123782	Spring Torsion T/a
33	872140506	Bolt, Carriage 5/16-18 x 3/4	83	819171216	Washer 17/32 X 3/4 X 16 Ga
34	532149001	Shaft Asm Pedal Foot	84	532132183	Rod Tie Shift Adj Bail
35	532120183	Bearing Nylon Blk 629 Id	85	532150360	Nut Lock Center 1/4-28 FNTHD
36	819211616	Washer 21/32 X 1 X 16 Ga	86	532071208	Bushing Rod Strg 629/632 Id
37	532124963	Pin Roll 3/16 X 1"	87	819212016	Washer 21/32 X 1-1/4 X 16 Ga
38	532123674	Pulley Idler Flat	88	812000008	Ring Klip #5304-62
39	874760544	Bolt Fin Hex 3/8-16unc X 2-3/4	89	532139991	Console Shift 6sp W/ign LT
40	532124965	Spacer Split 395 X 59 Bzp	90	532124346	Nut Self-thd wsh-hd 1/4 zinc
41	532109070	Keeper Belt Retainer			
42	819131312	Washer 13/32 X 13/16 X 12 Ga			

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

STEERING ASSEMBLY



REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41
STEERING ASSEMBLY

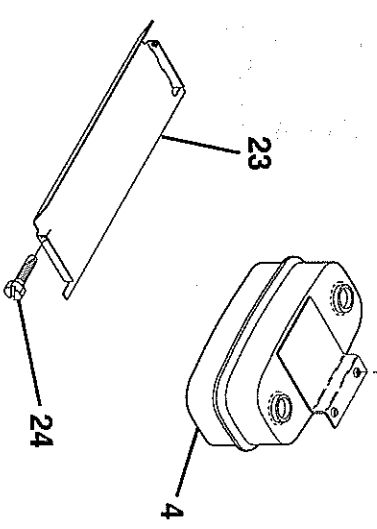
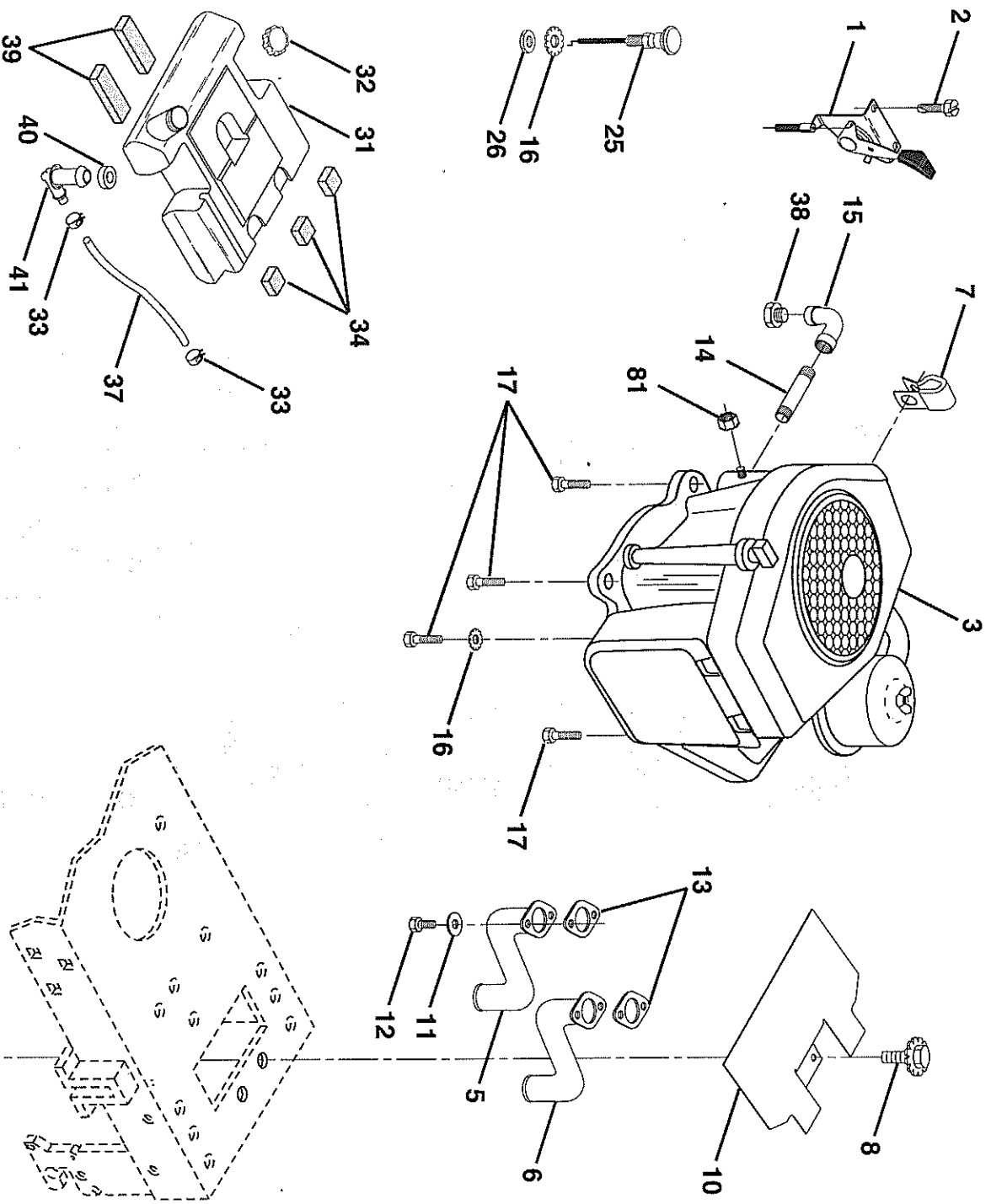
KEY NO.	PART NO.	DESCRIPTION
1	532121472	Wheel Steering Auto Blk
2	532142033	Axle Asm Fr LT W/gzks 38/42
3	532135227	Spindle Asm LH
4	532135228	Spindle Asm RH
5	532124931	Bearing Race Thrust Harden
6	532121748	Washer 25/32 X 1-5/8 X 16 Ga
7	819272016	Washer 27/32 X 1-1/4 X 16 Ga
8	812000029	Ring Klip #t5304-75
9	532124937	Bearing Col Strg Blk
10	532130468	Link Drag Sol Ball Jt 20 064
11	810040600	Washer Lock Hvy Hlcl Spr 3/8
12	873610600	Nut Fin Hex 3/8-24 Unf
13	532110438	Spacer Bearing Axle Front
14	874011056	Bolt Hex 5/8-11 Unc X 3-1/2
15	873901000	Nut Lock Flange 5/8-11 Unc
16	532132624	Pin Axle 5/8 X 1 55/1 54 Lg
17	532140176	Shaft Asm Strg Private Label
18	532057079	Washer Thrust 515x 750x 033
19	532124035	Support Shaft
20	532126684	Washer Shim 1/4 X 5/8 X 062
21	810040400	Washer Lock Hvy Helical 1/4
22	871100410	Screw Cap SCKT HD Phos. and Oil
23	532127501	Shaft Asm Pittman
24	532109816	Nyliner Snap In
25	532124036	Bracket Steering
27	532136874	Gear Sector
29	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
32	532130467	Rod Tie Ball Jt. Sol 19.75 Ele.
33	819111216	Washer 11/32 x 3/4 x 16 Ga.
34	810040500	Washer Lock Hvy HLCL Spr. 5/16
35	873810500	Locknut 5/16-24 UNF 3847
36	532102803	Bushing Strg
37	817431008	Screw Sftip #10-16 X 1/2 Ty-b
38	532126805	Insert Cap Strg Wh Au
39	819133808	Washer 13/32 X 2-3/8 X 8 Ga
40	532124701	Nut Lock Center 3/8-24unf
41	532104820	Adaptor Wheel Strg 640/ 635id
42	532140216	Boot Steering Shaft
43	532121749	Washer 25/32 X 1 1/4 X 16 Ga
44	532146690	Shaft Extension Steering
46	532121232	Cap Spindle Fr Top Blk
47	532124836	Fitting Grease
50	817490412	Screw Hex Wsh Thdrol 1/4-20 x 3/4
51	873800500	Nut Lock Hex w/lins 5/16-18
54	874780520	Bolt Fin Hex 5/16-18 Unc x 1-1/4
55	532140285	Clip Tinnerman
57	532140172	Support Shaft Steering
62	532149686	Kit, Steering Assembly Service

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

ENGINE



OPTIONAL EQUIPMENT
Spark Arrester

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

ENGINE

KEY NO.	PART NO.	DESCRIPTION
1	532150715	Control Throt Flag LH
2	817720410	Screw Hex Thd Cut 1/4-20x5/8 T
3	-----	Engine Model No. CV18S
4	532149723	Muffler Asm Twin Lo-Twin
5	532146699	Pipe Exhaust CV18/20 LH
6	532146700	Pipe Exhaust CV18/20 RH
7	532124996	Clip, Fuel Line
8	532150176	Bolt, 5/16-18 UNC x 3/4 w/Sems
9	817190408	Screw Hex Wsh Thd Cut 1/4-20
10	532146629	Shield Heat Muffler CV18/20
11	810010500	Washer, Split
12	-----	Bolt Fin Hex (Order From Eng. Mfg.)
13	-----	Muffler Gasket (Order from Engine Manufacturer)
14	813280336	Nipple Pipe 3/8 Npt X 4-1/2"
15	813200300	Elbow Std 90 Degree 3/8-18 Npt
16	811050600	Washer Lock Ext Tooth 3/8
17	817490624	Screw Thdrol 3/8-16 x 1-1/2
23	532128953	Shield Heat Browning LT/YT
24	817021008	Screw Tap Hex #10-24unc X 1/2
25	532145996	Choke Control
26	873610600	Nut, Fin Hex 3/8-24 Unf
29	532137180	Kit Spark Arrestor (Flat Scm)
31	532141069	Tank Fuel 3 50 Rear
32	532140527	Cap Asm Fuel W/sym Vented
33	532123487	Clamp Hose Blk
34	532106082	Pad, Spacer
37	532008543	Line Fuel 54"
38	-----	Plug Oil Drain (Order From Engine Manufacturer)
39	532109227	Pad, Idler
40	532124952	Bushing
41	532139277	Stem Tank Fuel
81	532128861	Nut, Flange 1/4-20 Starter Nut

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

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

This diagram shows an exploded view of a mechanical assembly. The components are numbered as follows:

- 1**: A small cylindrical pin or plug.
- 2**: A long, thin metal plate or bracket.
- 3**: A small circular washer or spacer.
- 4**: A small rectangular plate or gasket.
- 5**: A small cylindrical component, possibly a bush or pin.
- 6**: A small cylindrical component, possibly a bush or pin.
- 7**: Two identical coiled springs.
- 8**: A small circular washer or spacer.
- 9**: A small rectangular plate or gasket.
- 10**: A small cylindrical component, possibly a bush or pin.
- 11**: A small rectangular plate or gasket.
- 12**: A small circular washer or spacer.
- 13**: A small rectangular plate or gasket.
- 14**: A small circular washer or spacer.
- 15**: A small rectangular plate or gasket.
- 16**: A small circular washer or spacer.
- 17**: A small rectangular plate or gasket.
- 18**: A small cylindrical component, possibly a bush or pin.
- 19**: A small rectangular plate or gasket.
- 20**: A small circular washer or spacer.
- 21**: A small rectangular plate or gasket.
- 22**: A small circular washer or spacer.
- 23**: A small rectangular plate or gasket.
- 24**: A small circular washer or spacer.
- 25**: A small rectangular plate or gasket.
- 26**: A small circular washer or spacer.
- 27**: A small rectangular plate or gasket.
- 28**: A small cylindrical component, possibly a bush or pin.

The diagram illustrates the assembly sequence and relative positions of these parts. Dashed lines indicate the alignment and fit of the components. The assembly is shown in a perspective view, with the main body of the device represented by a dashed outline.

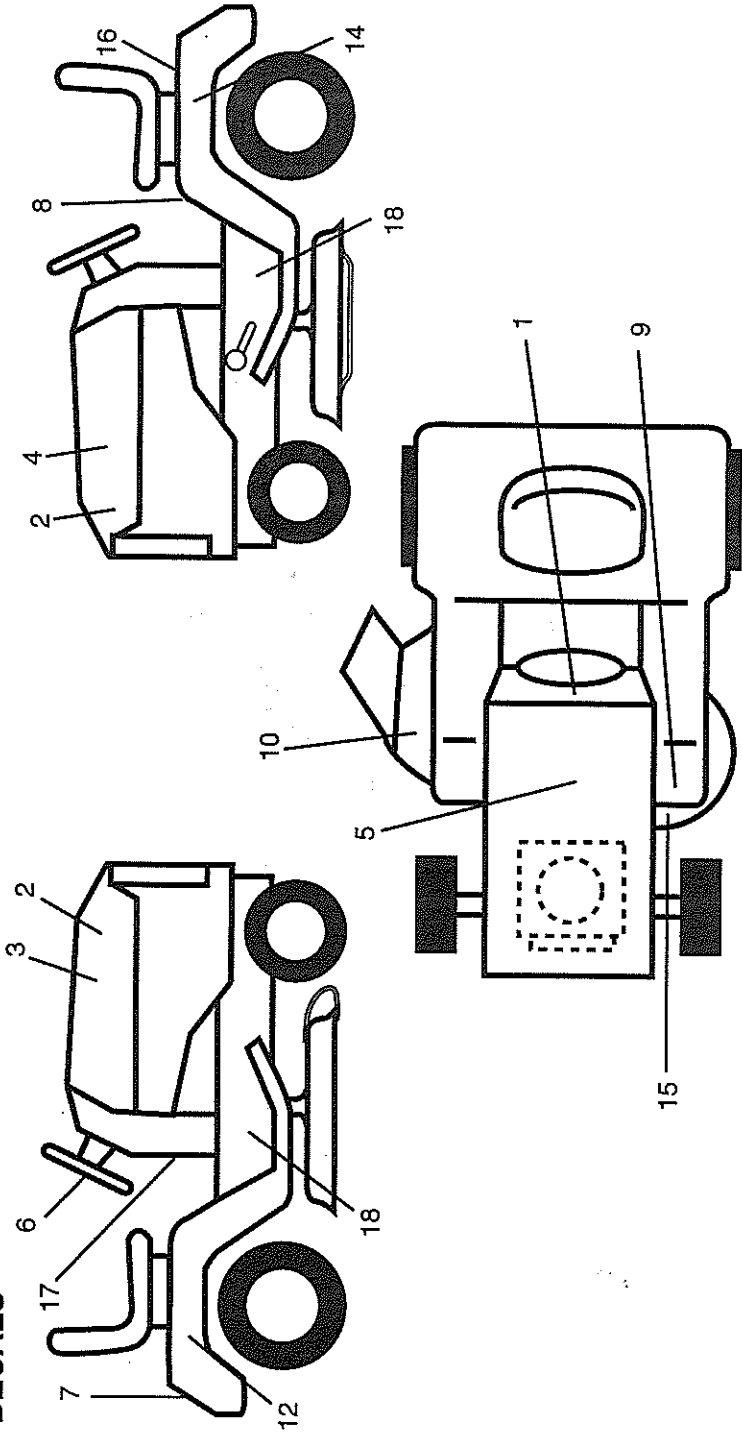
KEY NO.	PART NO.	DESCRIPTION
17	532123976	Nut Lock 1/4 Lge Flg Gr 5 Zinc
18	532124238	Cap Spring Seat
21	532139888	Bolt Shoulder 5/16-18 Unc Bilz
22	873680500	Nut Crown Lock 5/16-18
24	8191771912	Washer 17/32 X 1-3/16 X 12 Ga
25	532127018	Bolt Shoulder 5/16-18 X 62
27	817490608	Screw Thdrol 3/8 - 16 x 1/2 Ty-TT
28	532150176	Bolt 5/16-18 UNC x 3/4 w/Sems

1 inch = 25.4 mm

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

DECALS



KEY NO. PART NO.

DESCRIPTION

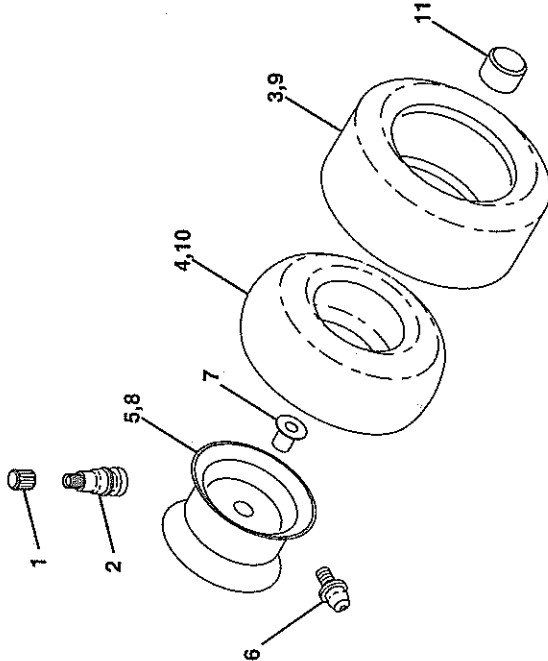
1	532140820	Decal Instruction Dash Eng/fr
2	532150322	Nameplate, Hood Poulan Pro
3	532150443	Decal Hood RH
4	532150444	Decal Hood LH
5	532146451	Decal Bat Dan/Poi P/L Symbols
6	532137963	Decal Insert Steering Wheel
7	532150440	Decal Fender
8	532133795	Decal Caution Fender Eng/fr
9	532101892	Decal Clutch/brake Eng/fr
10	532137259	Decal Warning MULT-LANGUAGE
12	532150445	Decal, Fender RH Poulan Pro

KEY NO. PART NO.

DESCRIPTION

14	532150446	Decal, Fender LH Poulan Pro
15	532139346	Decal V-Belt Sch 44/50
16	532150496	Decal, Cust. Assist Poulan Pro
18	532150442	Decal, Chassis 46" 6sp 50TH PP
-	532133671	Pad Footrest Ribbed Lt/Yt/Gt
-	532138311	Decal Lift Handle(Lift Handle)
-	532151530	Manual Owners, English
-	532151531	Manual Owners, French
Available accessories not included with tractor:		
-	LSB42	Snow Blower
-	LC05	33 lb. wheel weights (Pair)
-	LC06	Tire Chains

WHEELS & TIRES



KEY NO. PART NO.

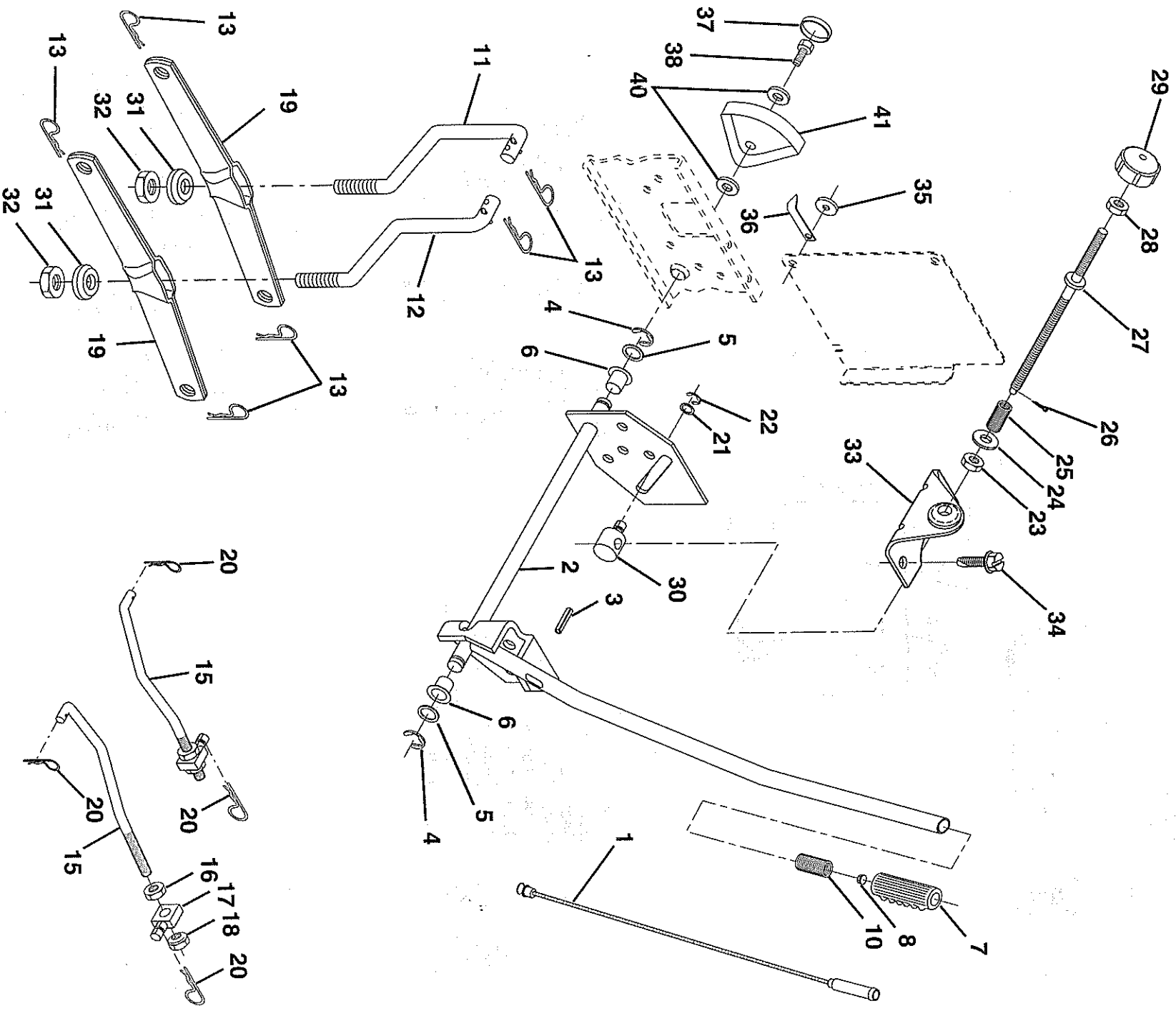
DESCRIPTION

1	532059192	Cap Valve Tire
2	532065139	Stem Valve
3	532106222	Tire F Ts 15 X 6 0 - 6 Service
4	532059904	Tube Front (Service Item Only)
5	532138337	Rim Asm 8"rear Silver Service
6	532124957	Fitting Grease (Front Wheel Only)
7	532124959	Bearing Flange (Front Wheel Only)
8	532138336	Rim Asm 6" front Silver Service
9	532122082	Tire R Ts 20 10 C Service
10	532124926	Tube Rear (Service Item Only)
11	532104757	Cap Hub Axle
--	532144334	Sealant, Tire (10 oz. Tube)

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41
MOWER LIFT ASSEMBLY



REPAIR PARTS

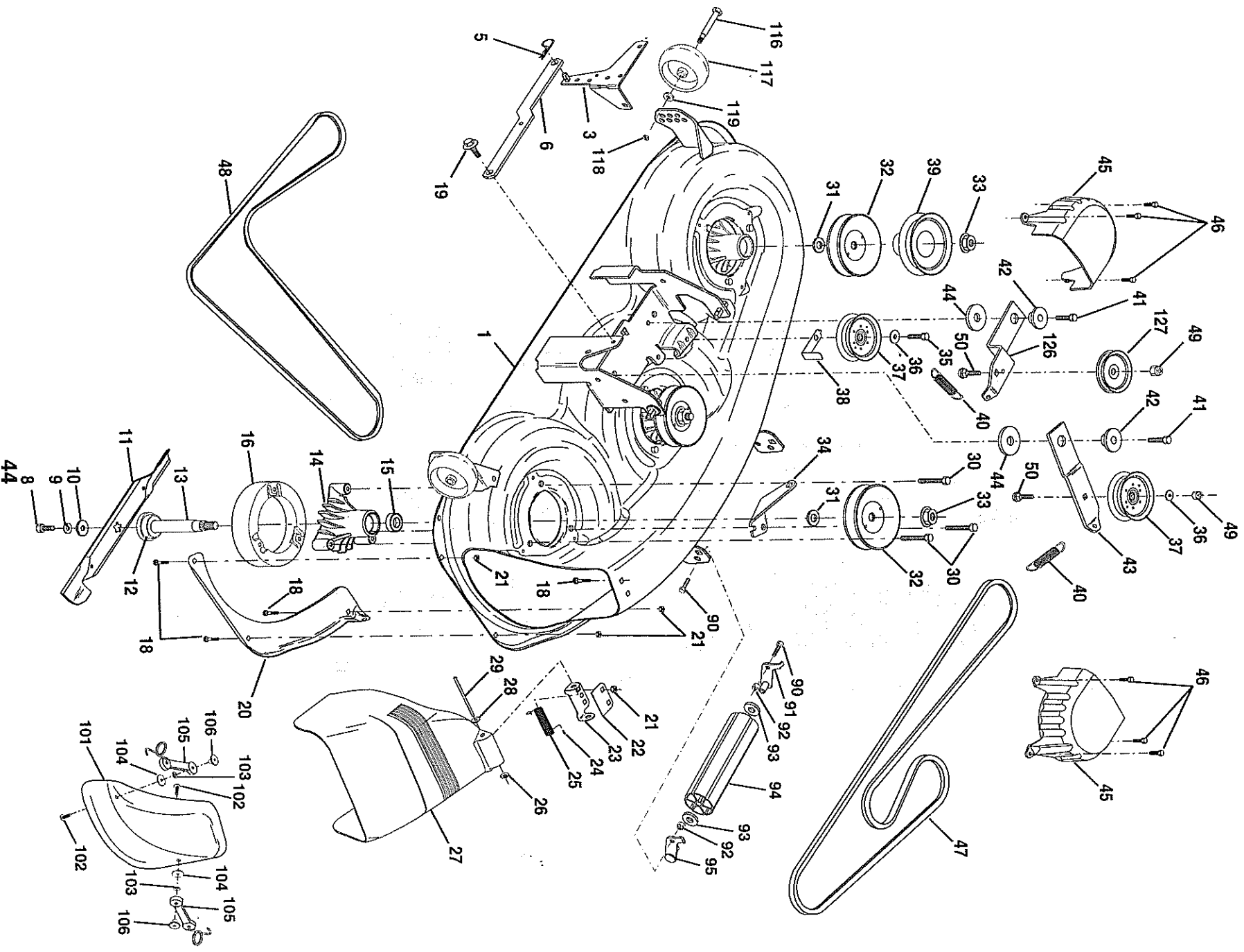
TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41
MOWER LIFT ASSEMBLY

KEY NO.	PART NO.	DESCRIPTION
1	532136973	Wire Asm Inner W/plunger
2	532145117	Shaft Asm Lift RH
3	532105767	Pin Groove 1 500 Zinc
4	812000002	E Ring #5133-62
5	819211621	Washer 21/32 X 1 X 21 Ga
6	532120183	Bearing Nylon Blk 629 Id
7	532109413	Grip Handle Bicycle
8	532124526	Button Plunger Black
10	532122512	Spring Cprsn 3 750 Oiled
11	532139865	Link Lift LH
12	532139866	Link Lift RH
13	532124670	Retainer Spring
15	532127218	Link Front
16	873350800	Nut Jam Hex 1/2-13 Unc
17	532130171	Trunnion Blk Zinc
18	873800800	Nut Lock W/wsh 1/2-13unc
19	532139868	Arm Suspension Rear
20	532124660	Retainer Spring
21	819151216	Washer 15/32 X 3/4 X 16 Ga
22	812000037	Ring Klip #5304-37
23	532110807	Nut Special
24	819131016	Washer 13/32 X 5/8 X 16 Ga
25	532124874	Spring 2-1/8"
26	876020308	Pin Cotter 3/32 X 1/2
27	532126971	Rod Adj Lift Zinc
28	873350600	Nut Hex Jam 3/8-16 Unc
29	532138057	Knob Inf 3/8-16 Unc Blk W/sym
30	532110810	Trunnion Dp Stop Dbl Thds PLT
31	532140302	Bearing Pvt Lift Spherical
32	873540600	Nut Crownlock 3/8-24
33	532140168	Bracket, Stop Inf. Hgt.
34	817490608	Screw, Thdrol. 3/8-16 x 1/2 TY-TT
35	532120529	Washer Nylon .44 x .75 x .032
36	532138346	Pointer Pnt Height Ind 505
37	532123935	Plug Hole Blk 1.485/1.515 Dia.
38	817490512	Screw Thdrol 5/16-18 x 3/4
40	819112410	Washer 11/32 x 1-1/2 x 10 Ga.
41	532123934	Scale Ind Height Blk

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41
MOWER



REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

MOWER

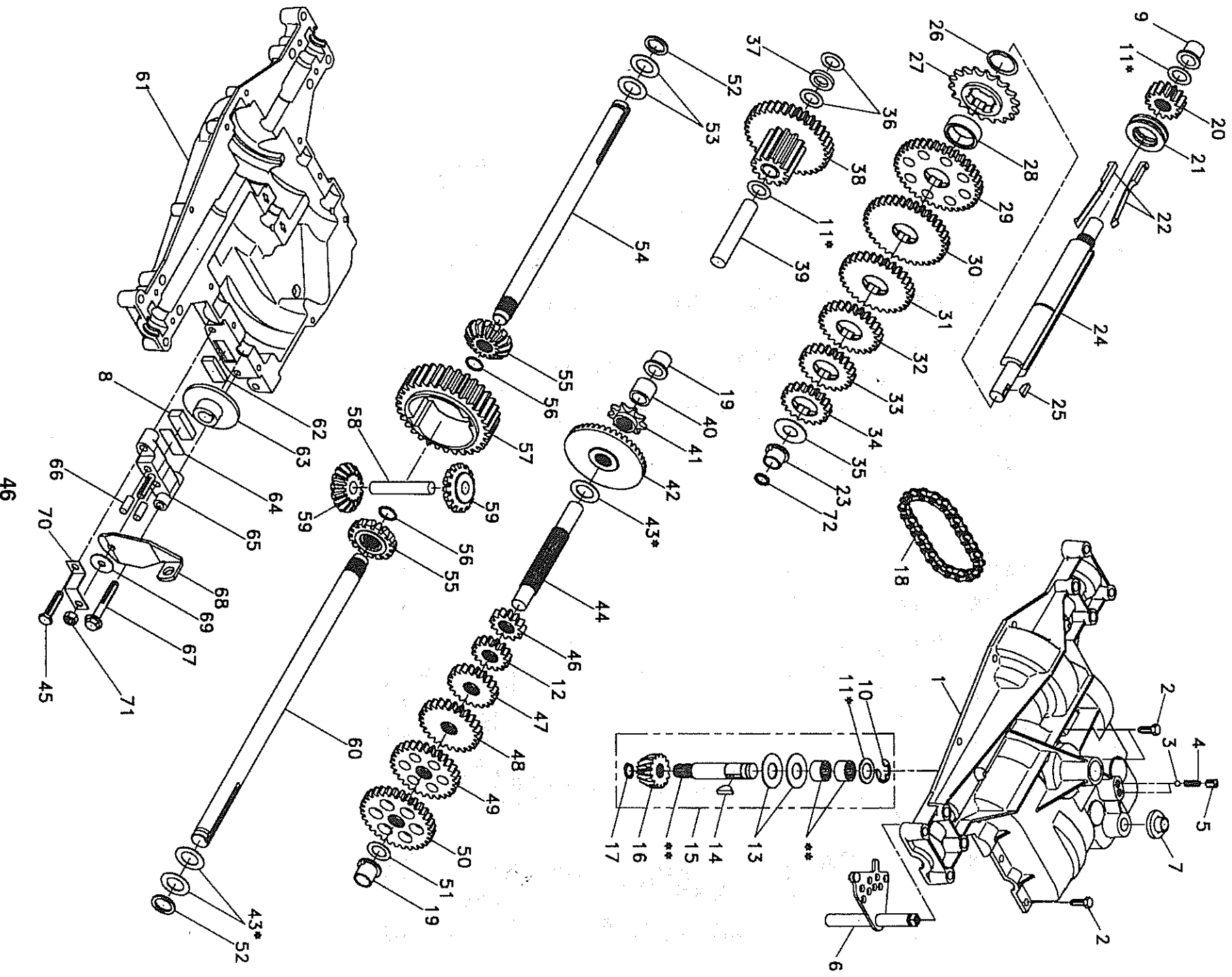
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	532145008	Deck Asm., Mower 46"	42	532122052	Spacer, Retainer
3	532138457	Bracket Asm., Sway Bar	43	532144949	Arm, Idler Secondary
5	532124670	Retainer Spring	44	532133943	Washer, Hardened
6	532130832	Arm, Suspension, Rear (Sway Bar)	45	532145059	Cover, Mandrel Deck
8	532850857	Bolt, Patched 3/8-24 x 1-1/4 Gr. 8	46	532137729	Screw, Thdroll. 1/4-20 x 5/8
9	810030600	Washer, Lock Hvy., Unplated 3/8	47	532144959	V-Belt, Mower, Secondary
10	532140296	Washer, Hard Blade, Mower Vented	48	532148763	V-Belt, Mower, Primary
11	532145708	Blade, 46" Mower Deck	49	873680600	Nut, Crownlock 3/8-16 UNC
12	532129895	Bearing, Ball, Mandrel #6204	50	872110612	Bolt, Carriage 3/8-16 x 1-1/2 Gr. 5
13	532137553	Shaft Asm. w/Lower Bearing (Includes Key No. 12)	90	874760616	Bolt Fin Hex 3/8-16 x 1
14	532137152	Housing, Mandrel	91	532132274	Bracket Asm Noseroller LH
15	532110485	Bearing, Ball, Mandrel	92	873800600	Nut Lock Hex W/Ins 3/8-16 UNC
16	532140329	Stripper, Mower Round	93	819171416	Washer 17/32 x 7/8 x 16 Ga.
18	872140505	Bolt, Carriage 5/16-18 x 5/8	94	532132264	Roller Nose
19	532132827	Bolt, Hex Head, Shoulder 5/16-18	95	532132273	Bracket Asm Noseroller RH
20	532145055	Baffle, Vortex Mower 46"	101	532145579	Cover, Mulching
21	873680500	Nut, Crownlock 5/16-18 UNC	102	871161010	Screw
22	532134753	Stiffener, Bracket	103	810071000	Washer, Lock #10
23	532131267	Bracket, Deflector	104	819061216	Washer
24	532105304	Cap, Sleeve	105	532130758	Latch Asm. Bagger
25	532149287	Spring, Torsion, Deflector	106	532125004	Nut, Weld
26	532110452	Nut, Push	116	532146851	Bolt, Shoulder
27	532145325	Shield, Deflector Mower	117	532146850	Gauge Wheel, Medium
28	819111016	Washer 11/32 x 5/8 x 16 Ga.	118	873930600	Nut, Centerlock 3/8-16 UNC
29	532131491	Rod, Hinge	119	819121414	Washer 3/8 x 7/8 x 14 Ga.
30	532138776	Screw, Hex Head, Thdroll	126	532144948	Arm, Idler, Primary Deck 46"
31	532129963	Washer, Spacer Mower Vented	127	532146763	Pulley, Idler, V-Groove Dim. 4.25
32	532129207	Nut, Flg. Top Lock Cntr. 9/16	128	532137789	Shield, Idler
33	532137266	Anchor, Spring Deck 46"	129	532146881	Keeper, Belt, Idler 46"
34	532144945	Screw, Thdroll 3/8-16 x 1-3/4 Tytt	--	532143651	Mandrel Asm 44"/50" Service (Includes Key No.s 8-10, 12-15, 31 and 33)
35	817490628	Washer 13/32 x 13/16 x 16 Ga.	--	532151775	Deck Complete (Std. Deck-Order separately mulcher plate and gauge wheel components Key Nos. 101-106 and 116-118)
36	819131316	Pulley, Idler, Flat			
37	532131494	Keeper, Belt, Idler			
38	532137554	Pulley, Idler, Driven			
39	532144917	Spring, Secondary 44/46/50 Vent			
40	532137273	Screw, Thdroll 3/8-16 x 1-1/4 Tytt			
41	817490620				

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

REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

DANA TRANSAXLE - - MODEL NUMBER 4360-96



REPAIR PARTS

TRACTOR - MODEL NO. PP1846PJ (PP1846PJA), PRODUCT NO. 954 00 54-41

DANA TRANSAXLE -- MODEL NUMBER 4360-96

KEY PART
NO. NO.

DESCRIPTION

KEY PART
NO. NO.

DESCRIPTION

1 532132671 Housing, Upper
2 532002274 Screw, Tapping, Large
1/4-20 x .734
3 532134400 Ball, Detent
4 532105904 Spring, Detent
5 532105905 Screw, Set
6 532138235 Kit, Shifter Assembly
7 532134399 Boot, Shifter
8 532120951 Puck, Friction
9 532148266 Bearing, Flange
10 532002225 Ring, Retaining
11 532134793 Assembly, Kit, Shim, .625 Shaft
12 532143679 Gear, Spur, 15 Teeth (2*)
13 532120415 Washer, Plain .632 x 1.38 x .046
14 532142674 Key, Woodruff, #9
15 532106846 Assembly, Kit, Input Shaft
16 532106095 Pinion, Bevel, 14 Teeth
17 532105909 Ring, Retaining
18 532105910 Chain, 24 Pitches
19 532105911 Bearing, Flange
20 532142675 Gear, Spur, 14 Teeth
21 532148267 Collar, Clutch
22 532138237 Assembly, Kit, Clutch Keys
23 532148268 Bearing, Flange
24 532142676 Shaft, Intermediate
25 532002244 Key, Woodruff, #61
26 532105916 Ring, Retaining
27 532120470 Sprocket, 18 Teeth (Reverse)
28 532110070 Spacer
29 532142677 Gear, Spur, 37 Teeth (1*)
30 532142681 Gear, Spur, 35 Teeth (2*)
31 532124644 Gear, Spur, 30 Teeth (3*)
32 532108980 Gear, Spur, 25 Teeth (4*)
33 532120406 Gear, Spur, 22 Teeth (5*)
34 532134796 Gear, Spur, 19 Teeth (6*)
35 532105925 Washer, Plain .640 x 1.37 x .061
36 532002232 Washer, Plain .632 x 1.00 x .026
37 532108978 Assembly, Gear, Combination,
12 Teeth and 35 Teeth
38 532110079

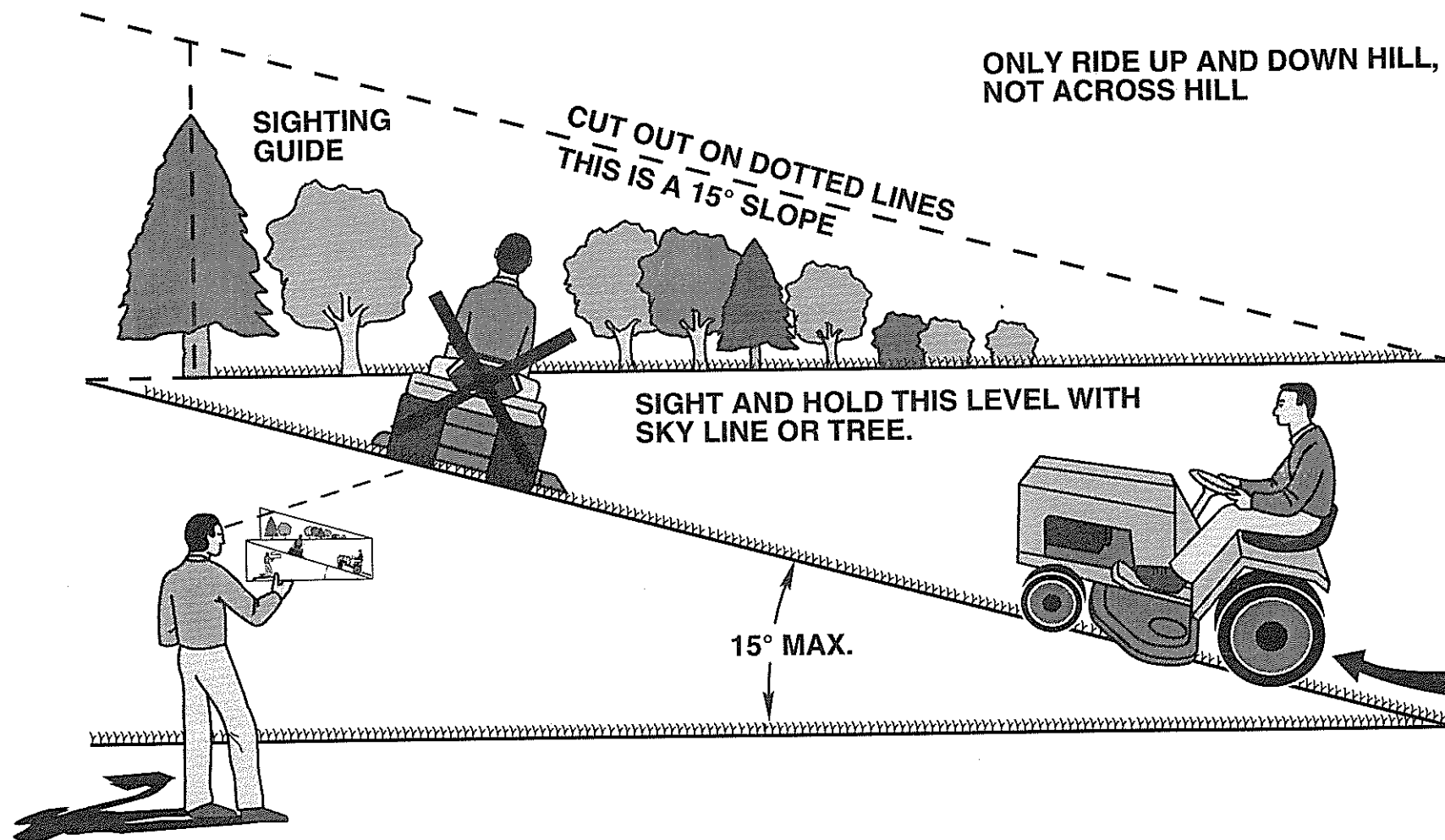
39 532124639 Shaft, Idler
40 532120472 Spacer .633 x .87 x .755
41 532105928 Sprocket, 9 Teeth (Reverse)
42 532106605 Gear, Bevel, 42 Teeth
43 532134394 Assembly, Kit, Shim, .750 Shaft
44 532120473 Shaft, Drive
45 532106596 Screw, Tapping, Large
5/16-18 x 1.44
46 532142678 Gear, Spur, 12 Teeth (1*)
47 532120407 Gear, Spur, 20 Teeth (3*)
48 532106589 Gear, Spur, 25 Teeth (4*)
49 532120408 Gear, Spur, 28 Teeth (5*)
50 532105937 Gear, Spur, 31 Teeth (6*)
51 532002226 Washer, Plain .632 x 1.00 x .060
52 532134401 Washer, Neoprene
53 532002264 Washer, Plain .758 x 1.25 x .031
54 532120474 Axle, L.H.
55 532110081 Gear, Miter, 15 Teeth
56 532105941 Ring, Retaining
57 532110071 Gear, Spur, 32 Teeth
58 532120952 Shaft, Cross
59 532110082 Gear, Miter, 15 Teeth
60 532120475 Axle, R.H.
61 532142680 Housing, Lower
62 532120961 Puck, Friction
63 532007294 Disc, Brake
64 532108989 Spacer
65 532120953 Jaw, Brake
66 532120954 Pin, Dowel
67 532134799 Screw, Tapping 5/16-18 x 2.25
68 532138244 Lever, Actuating
69 532108996 Washer, Plain .321 x 1.00 x .055
70 532120956 Bracket, Anti-Rotation
71 873810500 Locknut 5/16-24
72 532148269 Seal, Oil
73 532120416 Grease

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

SERVICE NOTES

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

TRACTOR SAFETY

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. This warranty does not apply to the engine, transaxle/transmission components, battery (except as noted below) or components parts thereof. Please refer to the applicable manufacturer's warranty on these items.
2. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by the Manufacturer.
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 ninety (90) days of ownership. After the first ninety (90) days, we will exchange the Battery, charging you 1/12 of the price of a new Battery for each full month from the date of the original sale. Battery must be maintained in accordance with the instructions furnished.
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, operated, and maintained in accordance with the instructions furnished. 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:
Poulan/Weed Eater
Service Department
P.O. Box 9329
Shreveport, LA 71139-9329
Phone: (318) 687-0100

In Canada contact:
Poulan/Weed Eater
549 Canada Avenue
Huron Park, Ontario
Canada NOM1Y0
Phone: (519) 228-6514

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.

PARTS AND SERVICE

Your POU LAN PRO product has been expertly engineered and carefully manufactured to rigid quality standards. As with all mechanical products, some adjustments or part replacement may be necessary during the life of your unit.

FOR SERVICE OR REPLACEMENT PARTS:

1. Consult your dealer/place of purchase.
2. Consult the yellow pages of your phone directory for the name of the nearest Poulan/Weed Eater Master Service Dealer (under "saws" for Chain Saws or under "lawn mowers" for Trimmers, Brushcutters, and Blowers).
3. For replacement parts, have available the following information:
 - a. Description of the tool.
 - b. Model Number.
 - c. Description of part.

NOTE:

Poulan/Weed Eater Division provides parts and service through its authorized distributors and dealers; therefore, all requests for parts and service should be directed to your local dealer(s). The philosophy of Poulan/Weed Eater Division is to continually improve all of its products. If the operating characteristics or the appearance of your product differs from those described in this Owner's Manual, please contact your local Poulan/Weed Eater Dealer for updated information and assistance. Always update your tool when improvements are made available, especially those related to safety. Parts and repair service are not available directly from Poulan/Weed Eater Division White Consolidated Industries, Inc.

POULAN/WEED EATER
DIVISION WHITE CONSOLIDATED INDUSTRIES, INC.
Shreveport, Louisiana 71139-9329