SEARS

OWNER'S MANUAL

MODEL NO. 536.252570

CRAFTSMAN®

16.5 HP OHV ALL-WHEEL STEER 43" MOWER DECK HYDROSTATIC DRIVE LAWN TRACTOR

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustment
- Repair Parts

Caution:
Read and follow all Safety Rules and Instructions Before Operating This Equipment

SEARS, ROEBUCK AND CO., HOFFMAN ESTATES, IL 60179

336 * *6 03/04/95

SAFETY RULES

Safe Operation Practices for Riding Vehicles As Recommended by American National Standards Institute

WARNING: 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 to the operator or bystanders.

GENERAL OPERATION:

1. Read, understand and follow all instructions in the Owner's/Operator's Manual, on the machine, the engine and with any attachments before starting.
2. Only allow responsible adults familiar with the instructions to operate the machine.
3. Clear the area of objects such as rocks, toys, wire, etc. which could be picked up and thrown by the blade.
4. Be sure the area is clear of other people before mowing. Stop the machine if anyone enters the area.
5. Never carry passengers.
6. Disengage power to the mower or any attachments before backing up. Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
7. Be aware of the direction the mower discharges. Do not point discharge from the mower at anyone or at places where people may be. Do not operate the mower without either the entire grass bagger or the mower guard in place.
8. Slow down before turning.
9. Never leave a machine unattended with the engine running. Always disengage the blade(s), set the parking brake, stop the engine and remove the key before dismounting.
10. Disengage power to attachment(s) when transporting or not in use. Disengage the blade(s) when not mowing.
11. Stop the engine before removing the grass bagger or unclogging the chute.
12. Mow only in daylight or good artificial light.
13. Do not operate the machine while under the influence of alcohol or drugs or when very tired.
14. Watch for traffic when operating near or crossing roadways.
15. Use extra caution when loading or unloading the machine when using a trailer or truck for transporting.
16. Disengage all attachment clutches and shift into Neutral before attempting to start the engine (on gear drive models).
17. Disengage all attachment clutches before attempting to start the engine. (on hydro models)
18. Always wear safety glasses or an eye shield when you operate the unit to protect your eyes from foreign objects that can be thrown from the unit. Always wear eye protection when you make an adjustment or repair to the machine.
19. Use care when pulling loads or using heavy equipment.
    a. Use only approved drawbar hitch points.
    b. Limit loads to those you can safely control.
    c. Do not turn sharply. Use care when backing.
    d. Use counterweights when suggested in the Owner's/Operator's Manual.

SLOPE OPERATION:

Slopes and rough terrain are major factors related to loss of control and tip over 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 the slope, do not mow it. See the " Slope Guide" in the back of this book to check for safe operation.

DO

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

SAFETY RULES

DO NOT

1. **Do not** turn on slopes unless absolutely necessary, then only turn slowly and gradually downhill, if possible
2. **Do not** mow near drop-offs, ditches or embankments. A wheel over the edge or an edge caving in could cause a sudden overturn and an injury or death.
3. **Do not** mow on wet grass. Reduced traction could cause sliding.
4. **Do not** try to stabilize the machine by putting your foot on the ground.
5. **Do not** use a grass catcher or other rear mounted accessories on steep slopes-(greater than 10 degrees)

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.

1. Keep children out of the mowing area and in the watchful care of an adult other than the operator
2. Be alert and turn the engine off if children enter the area.
3. Before and when backing, look **behind and down** for small children
4. Never carry children or any passengers. They may fall off and be seriously injures or interfere with the safe operation of the machine.
5. Never allow children to operate the machine. Instruct children in the dangers of the machine
6. Use extra care when approaching blind corners, shrubs, trees or other objects that may obscure vision

SERVICE:

1. Use extra care when handling gasoline and other fuels. Fuels are flammable and the vapors are explosive
   a. Use only an approved container.
   b. Never remove the gas cap or add fuel with the engine running. Allow the engine to cool for several minutes before refueling. Do not smoke.
   c. Never refuel the machine indoors.
   d. Never store the machine with fuel in the tank or fuel container inside where there is an open flame, such as a water heater
2. Never start or run the engine inside a closed area.
3. Keep all nuts and bolts, especially the blade attachment nuts tight. Frequently check the blade(s) for wear or damage such as cracks and nicks. A blade that is bent or damaged must be immediately replaced with an original equipment blade(s) from an authorized service dealer. For safety, replace the blade(s) every two years. Keep the equipment in good condition
4. Never tamper with the safety devices. Check their proper operation regularly
5. To reduce fire hazards keep the machine free of grass, leaves or other debris build-up. Clean up oil or fuel spills. Allow the machine to cool before storing
6. Stop and inspect the equipment if your strike an object. Repair, if necessary, before restarting
7. Never make adjustments or repairs with the engine running. The carburetor can be adjusted with the engine running. Do not change the engine governor settings or over-speed the engine.
8. Grass bagger components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. For storage, always make sure the grass bag is empty. Frequently check components and replace with manufacturer's recommended parts when necessary.
9. Mower blade(s) are sharp and can cut. Wrap the blade(s) or wear gloves and use extra caution when servicing them or the mower deck area.
10. Check the brake operation frequently. Adjust and service as required
11. Wait for all movement to stop before servicing any part of the unit.

ENVIRONMENTAL AWARENESS

- Do not fill the engine's fuel tank completely full
- Drain fuel for off-season storage.
- Use only unleaded gasoline.
- Service the air cleaner regularly
- Change oil regularly. Use 30W oil in summer
- Tune-up the engine regularly.
- Keep equipment in efficient operating condition
- Dispose of used engine oil properly

Look for this symbol to indicate important safety precautions. This symbol indicates: "Attention! Become Alert" Your Safety Is At Risk."

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

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

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 536.252570

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.

MAINTENANCE AGREEMENT

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

CUSTOMER RESPONSIBILITIES

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

PRODUCT SPECIFICATIONS

HORSE POWER:	16.5
GASOLINE CAPACITY:	2 GALLONS UNLEADED REGULAR
OIL 64 oz. w/filter 55 oz. w/o filter	SAE 30 - above 32°F. 5W - 30* - below 32°F.
SPARK PLUG :	Champion N4C (GAP .030 in.)
VALVE CLEARANCE:	Intake: .004 In. Exhaust: .004 In.
GROUND	FORWARD 0-5.70 MPH REVERSE: 3.70 MPH
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	
LIGHTING (AC SIDE)	11.8 VOLTS @ 3300 RPM
CHARGING (DC SIDE)	2.8 AMPS @ 12.5 VOLTS
BLADE BOLT TORQUE:	30-35 FT. LBS.

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

In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester (part number 336967) for the muffler is available through your nearest Sears Authorized Service Center.

CRAFTSMAN ELECTRIC START RIDING EQUIPMENT

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two (2) years from the date of purchase, if this riding equipment is maintained, lubricated and tuned-up according to the instructions in the owner's manual, Sears will repair or replace, any parts found to be defective in material or workmanship.

This warranty does not cover:

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

LIMITED 90 DAY WARRANTY ON BATTERY

For 90 days from the date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE RIDING EQUIPMENT TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

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

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

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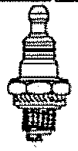
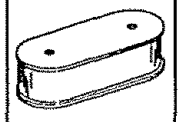
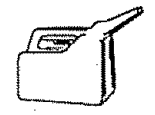
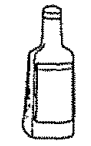
ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available when the unit was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order these items for you when you provide the model number of your tractor.

ENGINE

CUSTOMER MAINTENANCE

SPARK PLUG	MUFFLER	AIR FILTER	GAS CAN	ENGINE OIL	STABILIZER	BLADES	BELTS
							

PERFORMANCE

Sears offers a wide variety of attachments that fit your vehicle. Many of these are listed below with brief explanations of how they can help you. This list was current at the time of publication; however, it may change in future years - more attachments may be added, changes may be made in these attachments, or some may no longer be available or fit your model. **Contact your nearest Sears store for the accessories and attachments that are available for your unit.**

Most of these attachments do not require additional hitches or conversion kits (those that do are indicated) and are designed for easy attaching and deattaching.

GRASS CATCHER - lets you collect grass clippings and leaves for a healthier, neater looking lawn

LAWN SWEEPERS - lets you collect grass clippings and leaves.

CARTS - make hauling easy. Variety of sizes available.

ROLLER - for smoother lawn surface, 36-inch wide, 18 inch diameter water tight drum holds up to 390 lbs of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum.

SPREADERS/SEEDERS - make seeding, fertilizing and weed killing easy. Broadcast spreaders are also useful for granular deicers and sand.

CORING AERATOR - takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steal coring tips. 150 lbs. capacity weight tray.

AERATOR - promotes deep root growth for a healthy lawn. Tapered 2.5" steel spikes mounted on 10-inch diameter discs puncture holes in soil at close intervals to let moisture soak in. Steel weight tray for increased penetration.

MULCH RAKE/DETHATCHER - loosens soil and flips thatch and matted leaves to lawn surface to easy pick up. Twenty spring tine teeth. Useful to prepare bare areas for seeding. Available for rear mounting.

SPRAYERS - use 12-volt DC electric motor that connects to the tractor battery or other 12-volt source. Includes booms for automatic spraying when pulling and hand held wand for spot spraying. Wand has adjustable spray pattern. For applying herbicides, insecticides, fungicides, and liquid fertilizers.

48" SNOW BLADE - has a rugged, heavy gauge steel blade. Spring loaded blade glides over uneven surfaces. Can be adjusted from seat for straight position, or 35 degrees left or right. Locks in raised position for traveling. Wheel weights and tire chains are recommended.

SINGLE-STAGE SNOW THROWER - has a 42-inch swath and is capable of throwing snow accurately in a driver controlled arc. Wheel weights and tire chains are recommended.

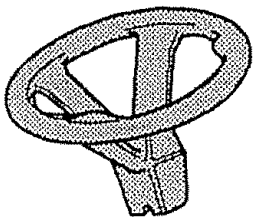
TIRE CHAINS - are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction.

WHEEL WEIGHTS - for rear wheels provide needed traction for snow removal or dozing heavy materials.

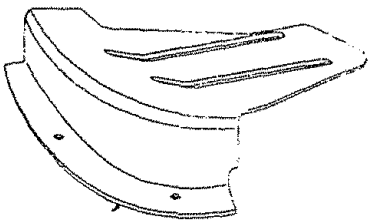
TILLER has 5 hp engine and 36" swath to prepare seed beds, cultivate and compost garden residue. Tiller has its own built-in lift and depth control system and does NOT require a sleeve hitch. Fits any lawn, yard, or garden tractor. Simply hook up to the tractor drawbar and go!

CONTENTS OF HARDWARE PACK

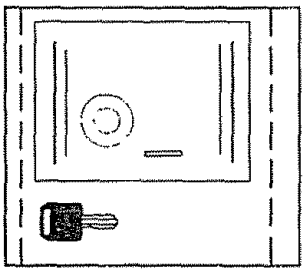
Parts packed separately in carton



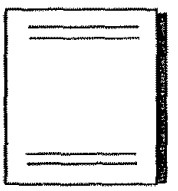
Steering Wheel



1 - Mulching Plug



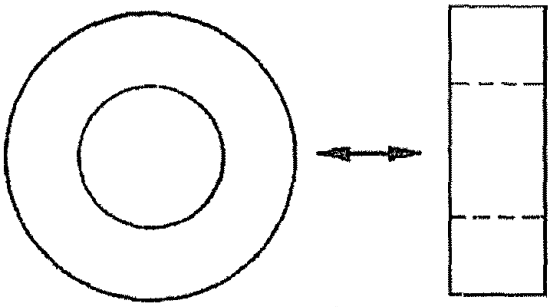
Parts Bag



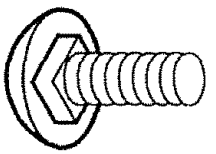
Owner's Manual

Parts Bag contents shown actual size unless noted

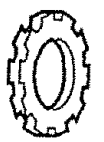
Steering Wheel Assembly Parts



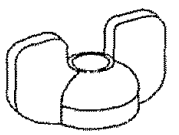
1 - Spacer



2 - Carriage Bolts 5/16-18 x .75

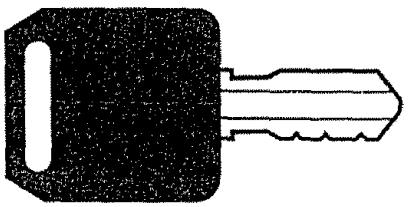


2 - Lockwashers



2 - Wingnuts

1 - Spring Pin



1 - Spare Key

TOOLS REQUIRED FOR ASSEMBLY

A socket wrench will make assembly easier. Standard wrench sizes are listed.

(1) Pliers

(1) Utility knife

(1) Screwdriver (Small Phillips with a 1/4 inch shank)

(1) Hammer

(1) Tire pressure gauge

(2) 7/16 inch wrenches

(2) 1/2 inch wrench

(1) Tape measure

When right and 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

- Open top flaps. Remove cardboard from top of wood crate.
- Remove top frame from carton.
- Carefully remove contents of parts box (see CONTENTS OF HARDWARE PACK on page 7).
- Cut down all four corners with a utility knife and carefully lay down side panels.
- Discard cardboard from alongside tractor.
- Remove cardboard from discharge chute.
- Remove plastic wrap from seat and hood.

TO INSTALL STEERING WHEEL (See Fig. 1)

- Position front wheels straight forward.
- Place spacer on steering shaft.
- Place steering wheel on steering shaft. Push steering wheel down firmly.
- Align cross holes in steering wheel with holes in steering shaft. **NOTE:** Use a small Phillips screwdriver with a 1/4 inch shaft to align the holes. Keep screwdriver in place as you drive the spring pin in.
- From the left side, drive spring pin (found in parts bag) through opposite side with a hammer.

BEFORE ROLLING TRACTOR OFF SKID (See Fig. 2 & 2A)

IMPORTANT: CHECK FOR AND REMOVE STAPLES IN SKID THAT MAY PUNCTURE TIRES OF TRACTOR BEFORE ATTEMPTING TO ROLL OFF SKID.

- Carefully cut wire ties (front and back) holding tractor to skid.
- Pull free wheel control lever out.
- Release parking brake by depressing brake-clutch pedal.

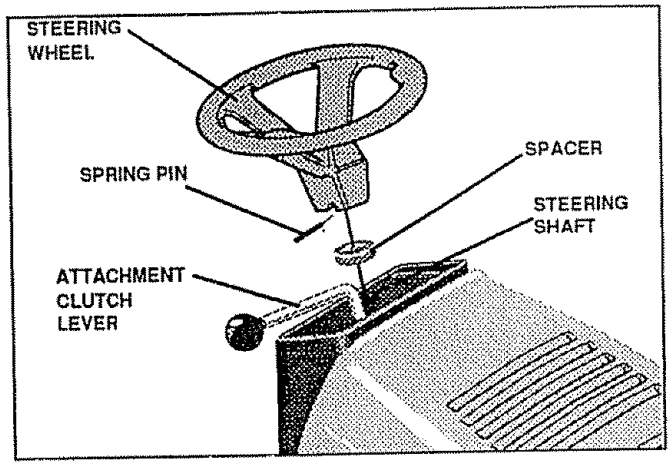


FIG. 1

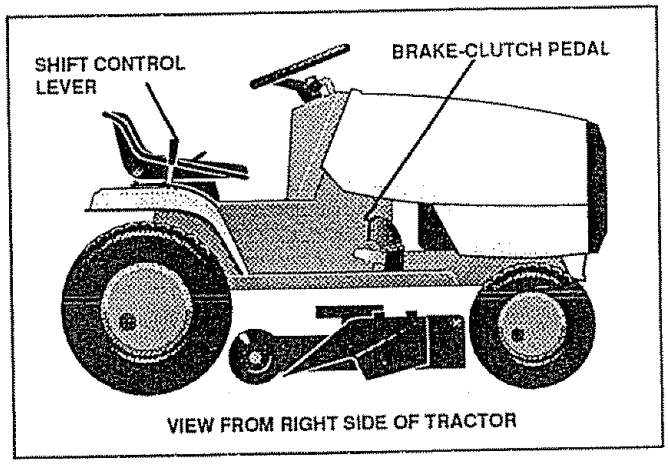


FIG. 2

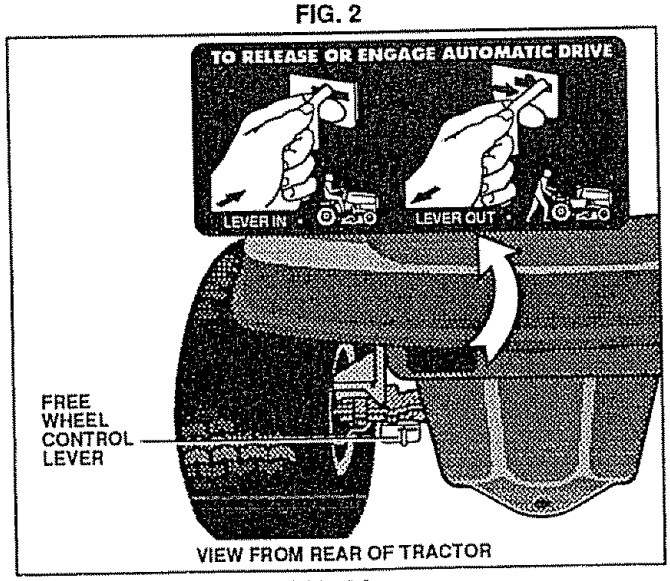


FIG. 2A

- Place shift control lever in **NEUTRAL** position.
- Carefully roll tractor backwards off wood skid. (ASSISTANCE MAY BE REQUIRED.)

IMPORTANT: DO NOT LIFT TRACTOR BY HOOD OR FENDER.

IMPORTANT: To drive tractor free wheel control lever MUST be pushed in. This control and it's instructional decal are located at the rear of the tractor on the drawbar.

CAUTION: Wear eye and face shield.

Wash hands or clothing immediately if accidentally in contact with battery acid.

Do not smoke. Fumes from charged battery acid are explosive.

Follow the CAUTIONS located on the battery. Always wear gloves, clothing and goggles to protect your hands, skin and eyes.

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY

IMPORTANT: Before you attach the battery cables to the battery, check the battery date code. The battery date code tells if the battery must be charged.

- Check the battery date code on top of the battery.
- If the battery is put into use before this date, the battery cables can be attached without charging the battery. See TO ATTACH BATTERY CABLES.
- If the battery is put into use after this date, the battery must be charged. To charge see TO CHARGE BATTERY.

Always connect positive (red) cable first. Connecting negative cable first can result in sparks if the wrench touches any metal surface.

TO ATTACH BATTERY CABLES

- Lift seat.
- Remove the protective caps from the battery terminals
- Attach positive (+) red battery cable (D) to positive (+) terminal (C) on battery with a 1/4 X 3/4 inch head screw and a 1/4 inch keps nut. Tighten nut securely
- Place battery boot (B) over positive (+) battery terminal (see Fig. 3 inset).
- Attach negative (-) black battery cable (A) to negative (-) terminal (G) on battery with a 1/4 X 3/4 inch hex head screw and a 1/4 inch keps nut. Tighten nut securely.
- Proceed to CHECK TIRE PRESSURE.

When you charge the battery, do not smoke. Keep the battery away from any sparks. The fumes from the battery acid can cause an explosion.

TO CHARGE THE BATTERY

- Lift seat.

Always disconnect negative (black) cable first. Removing positive cable first can result in sparks if the wrench touches any metal surface.

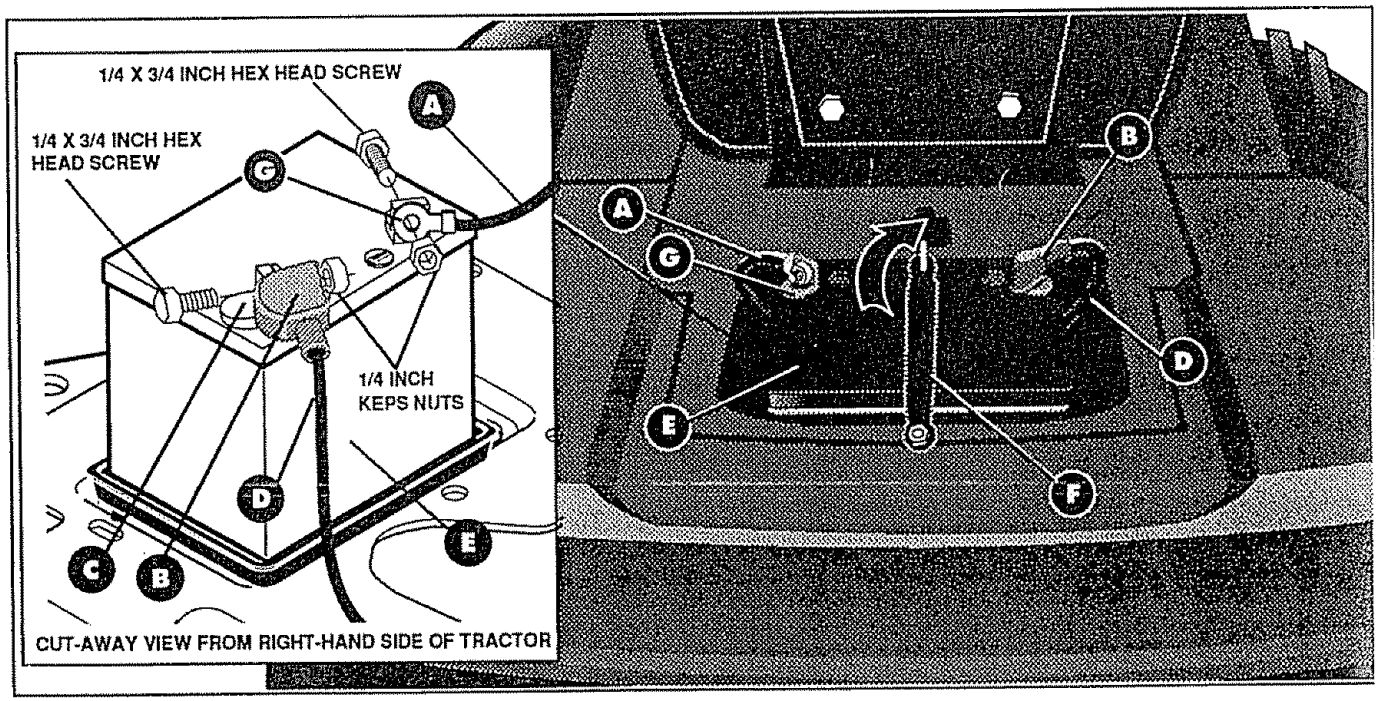


FIG. 3

- Remove the protective caps from the battery terminals.
- Disconnect negative (-) black battery cable (A) with a 7/16" wrench.
- Slide battery boot (B) away from positive (+) battery terminal (C) and disconnect positive (+) red battery cable (D) with a 7/16" wrench.
- Unhook rubber hold-down strap (F).
- Lift battery out of tractor.
- Place battery on level surface.
- Use a 12 volt battery charger to charge the battery. Charge at a rate of 6 amperes for one hour. If you do not have a battery charger, have an authorized service center charge the battery. Complete assembly section of this manual while waiting for battery to charge.

CHECK TIRE PRESSURE

For shipping purposes, the tires on your tractor were over-inflated at the factory. Correct tire pressure is important for best cutting performance.

- Remove hub caps by placing two fingers in hole in each cap and pulling them from the wheels.
- Use tire pressure gauge to check amount of air in tires.
- Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" on page 4 of this manual.
- Replace hub caps. Position on wheels and push firmly.

CHECK FOR PROPER POSITION OF ALL BELTS

- See figures shown for replacing motion and mower blade drive belts in SERVICE AND ADJUSTMENTS section of this manual. Verify belts are routed correctly.

TO LEVEL MOWER DECK

For best cutting results the mower deck has been leveled at the factory and should not require any adjustment. If in the event the deck should need to be adjusted see TO LEVEL MOWER DECK in the SERVICE AND ADJUSTMENTS section of this manual.

TO ADJUST MOWER DECK WHEELS (See Fig. 4)

Mower deck wheels may be adjusted to one of four positions. Always adjust both wheels to same position. NOTE: Do Not adjust wheels to support mower deck while mowing or uneven cutting will result.

- Park tractor on a firm, level surface, such as a driveway or garage floor.
- Set cutting height adjustment to lowest anticipated cutting height. Deck wheels should be 1/4" off ground, if not, adjust as follows:
- Remove axle bolt and nut holding each wheel to wheel mounting bracket with two 9/16" wrenches.
- Change wheel height adjustment by relocating each wheel into desired hole of wheel mounting bracket.
- Reinstall bolt and nut on each side and secure nuts tightly.

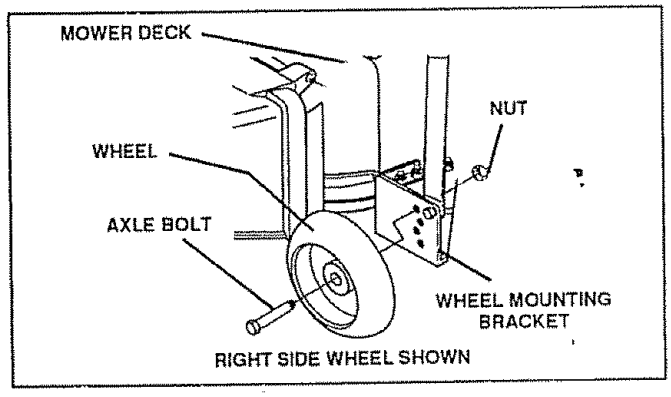


FIG. 4

CHECK BRAKE SYSTEM

- After you learn how to operate your tractor, check operation of tractor brake (see BRAKE OPERATION in CUSTOMER RESPONSIBILITIES section of this manual).

MULCHING PLUG

Your tractor has a mulching plug kit. Your tractor also has unique 3 in 1 blades which are designed to side discharge. mulch and mow without changing blades.

- To install the mulching plug kit see TO INSTALL MULCHING PLUG INSTRUCTIONS in the CUSTOMER RESPONSIBILITIES section of this manual.
- For additional information on the mulching plug see MULCHING MOWING HINTS in the OPERATION section of this manual.

IMPORTANT: If your grass needs to be cut more than 1 inch side discharge mowing is recommended.

Always connect positive (red) cable first. Connecting negative cable first can result in sparks if the wrench touches any metal surface.

REINSTALL CHARGED BATTERY (See Fig. 5)

- Raise seat and place battery back in tractor with positive (+) terminal (C) toward right side of tractor. **NOTE:** Be sure ignition key is in OFF position.
- Re-hook rubber hold-down strap (F)
- Attach positive (+) red battery cable (D) to positive (+) terminal (C) on battery with a 1/4 X 3/4 inch head screw and a 1/4 inch keps nut. Tighten nut securely.
- Place battery boot (B) over positive (+) battery terminal (C) (see Fig. 5 inset).
- Attach negative (-) black battery cable (A) to negative (-) terminal (G) on battery with a 1/4 X 3/4 inch hex head screw and a 1/4 inch keps nut. Tighten nut securely.

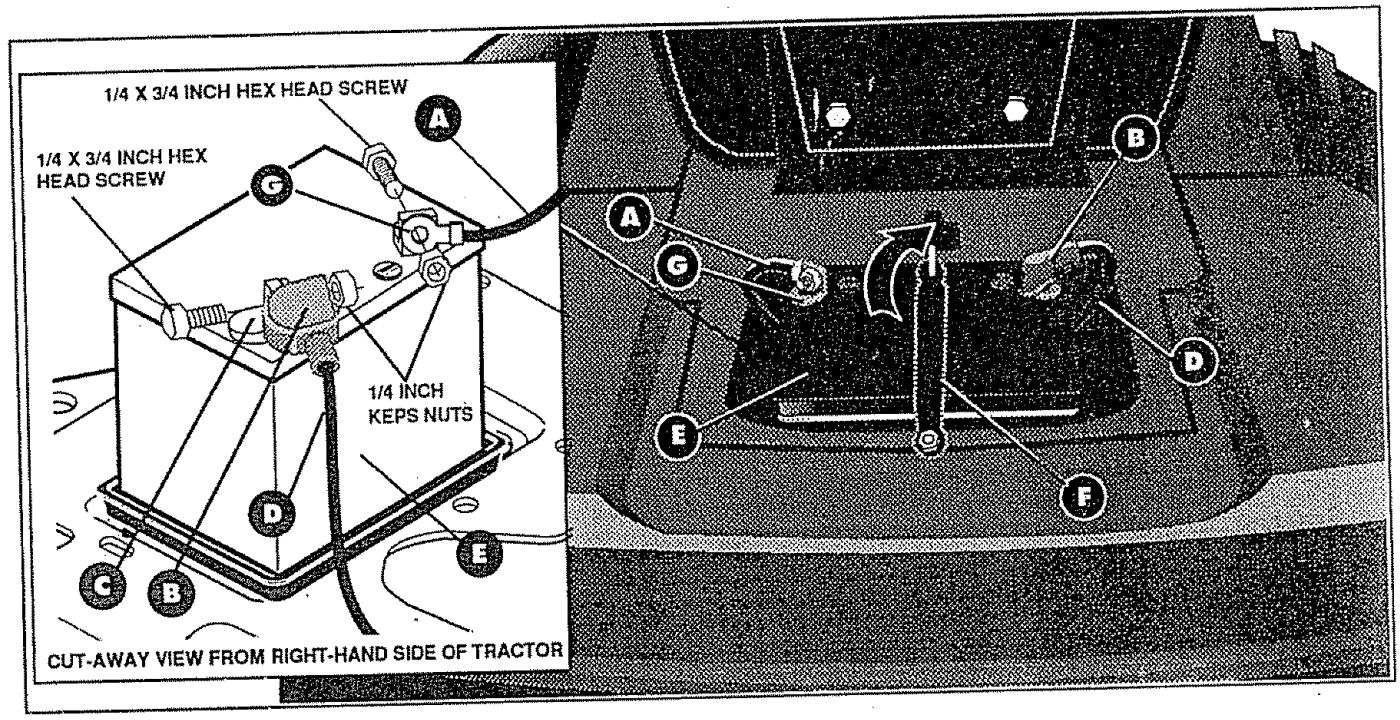


FIG. 5

✓ 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.
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were over-inflated 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 guides.
- ✓ Check wiring. See that all connections are 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 controls before starting engine
- ✓✓ Be sure brake system is in safe operating condition

KNOW YOUR TRACTOR

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

Compare illustrations (see Fig. 6) with your tractor to familiarize yourself with locations of various controls and adjustments. Save this manual for future reference.

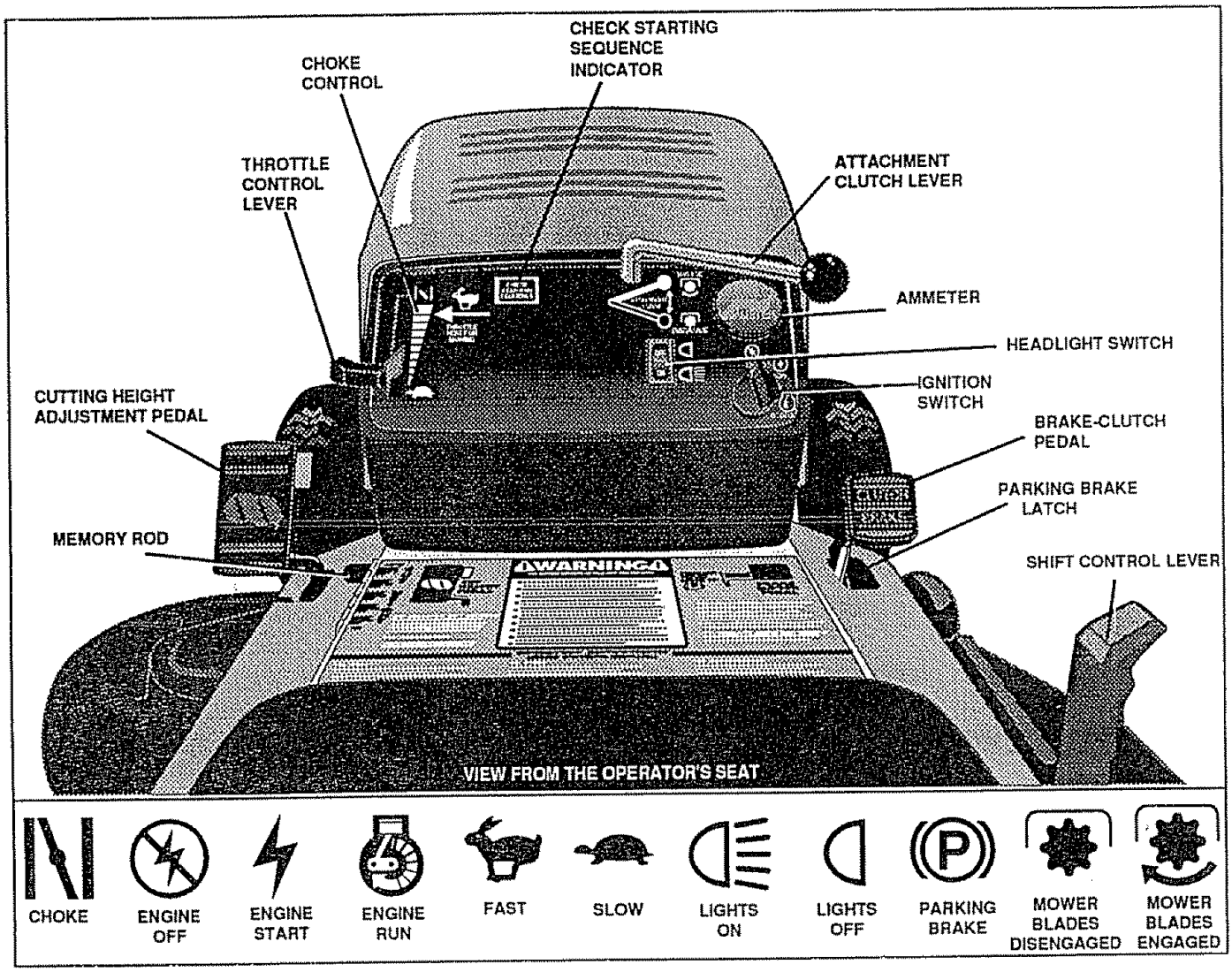


FIG. 6

SEARS LAWN TRACTORS conform to the safety standards of THE AMERICAN NATIONAL STANDARDS INSTITUTE

Ignition Switch - Used to start and stop engine.

Choke Control - Used to start a cold engine.

Throttle Control Lever - Controls speed of engine.

Headlight Switch - Turns headlights on or off.

Ammeter - Shows battery is being charged when engine is running.

Check Starting Sequence Indicator - Indicator lights if wrong starting procedure was used

Brake-Clutch Pedal - Used to clutch and brake tractor and start engine.

Shift Control Lever - Used to select ground speed ranges and direction of motion (forward-neutral-reverse).

Parking Brake Latch - Used to lock brake-clutch pedal down in park position.

Cutting Height Adjustment Pedal - Used to change height of cut.

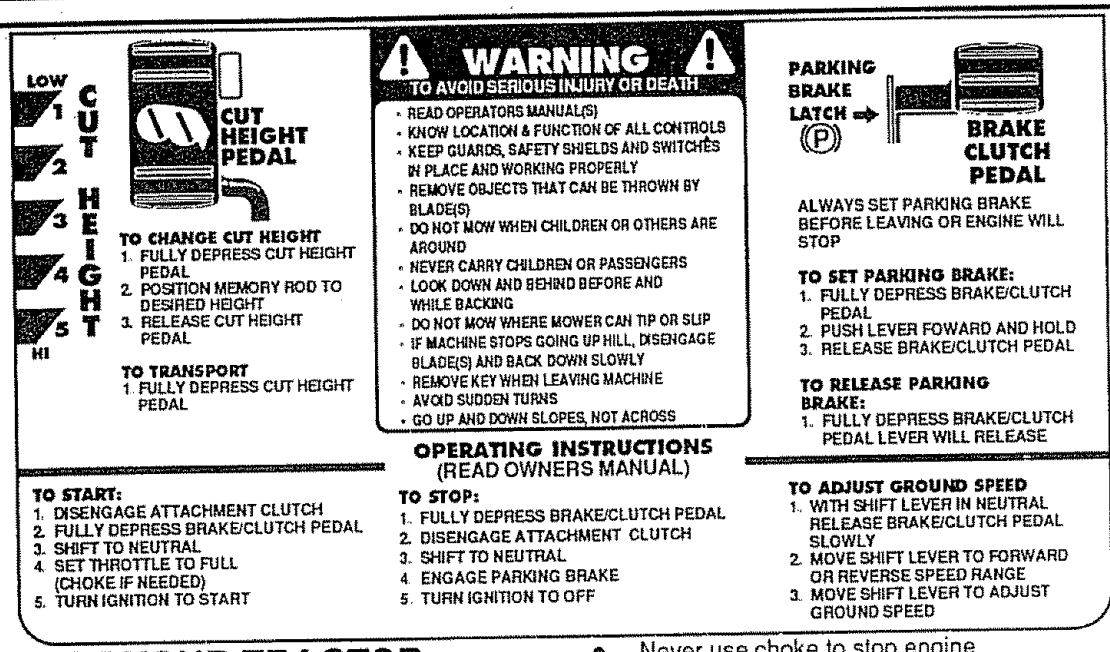
Memory Rod - Used with Cutting Height Adjustment Pedal to select cutting height.

Attachment Clutch Lever - Used to engage or disengage power to mower deck blades

Free Wheel Control Lever - Used to allow the tractor to be pushed or towed. (See Fig 8 for location)

The operation of any tractor can result in foreign objects being 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 standard safety glasses, available at SEARS Retail or Catalog Stores, or a wide vision safety mask for over your glasses.



HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE

- Depress brake-clutch pedal fully (all the way down) and hold.
- Push parking brake latch forward and engage notch in parking brake latch against main frame.
- To release parking brake, apply pressure to brake-clutch pedal and spring will automatically release parking brake latch.

STOPPING

MOWER BLADES -

- Pull the clutch lever rearward to the **DISENGAGED** position.

CAUTION: Blades will not stop immediately. Keep hands and feet from under mower deck and away from discharge chute.

TRACTOR -

- Depress brake-clutch pedal fully (all the way down).
- Place shift control lever in **NEUTRAL** position.
- Set parking brake before leaving tractor.

ENGINE -

- Move throttle control to **SLOW** position.
- Turn ignition key to **OFF** position and remove key. Always remove key when leaving vehicle to prevent unauthorized use.
- Never use choke to stop engine.

NOTE: Under certain conditions when unit is standi idle with engine running, hot engine gases may cause "brov ing" of grass. To eliminate this possibility, always stop eng when stopping tractor on grass areas

TO USE THROTTLE CONTROL

- **FAST** throttle position is necessary for best bagging a mowing performance.
- Operating engine at other than **FAST** position reduc battery charging rate and the engine cooling air flow
- Choke is necessary whenever you are starting a c engine. Do not use to start a warm engine.
- To engage CHOKE, move throttle contro lever past det position (arrow points to this position). Move throttle con lever out of CHOKE position as engine warms.

TO MOVE BACKWARD AND FORWAF

The direction of motion (forward - reverse) and ground spe ranges are controlled by shift control lever.

- Start tractor with brake-clutch pedal depressed and s control lever in **NEUTRAL** position.
- Slowly release brake-clutch pedal to start movement
- Move shift control lever to reverse or forward speed ran **NOTE:** Always come to a full stop before changing direct of motion.

NOTE: To drive tractor free wheel control lever MUST pushed in. This control and it's instructional decal are locate the rear of the tractor on the drawbar (See fig 8)

TO SELECT MOWER CUTTING HEIGHT (See Fig. 7)

The cutting height is selected by placing the memory rod in the desired height position. The cutting height range is approximately 2 to 4 inches.

- Press cutting height adjustment pedal all the way down until it latches.
- Move memory rod to desired cutting height. Lowest cutting height is toward front of tractor and highest is toward rear of tractor. The latched pedal position is the highest cutting position.
- Press pedal latch to release pedal, mower deck will lower to the desired cutting height.
- The memory positions (1 thru 5) change height of cut approximately 3/8 inch each. Total available cutting height adjustments exceeds 2 inches.
- The average lawn should be cut approximately 2-1/2" during cool season and over 3" during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6" in height should be mowed twice. Make the first cut at the highest position; the second to desired height.

If cutting blades do not cut evenly, go to "TO ADJUST MOWER DECK HEIGHT" and "TO LEVEL MOWER DECK" instructions.

TO OPERATE MOWER

Your tractor is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with engine running and brake-clutch pedal not fully depressed with parking brake latch locked, and/or attachment clutch lever engaged, will shut off engine.

- Select desired height of cut with cutting height adjustment pedal.
- TO START MOWER - Slowly move attachment clutch lever to **ENGAGED** position.
- TO STOP MOWER - Move attachment clutch lever to **DISENGAGED** position.

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

TO OPERATE ON HILLS

CAUTION: On slopes, be very cautious and avoid sharp turns to prevent tipping or loss of control. NEVER carry passengers.

- Choose slowest speed before starting up or down hills.
- Avoid stopping, starting or changing speed on hills.
- If slowing is necessary, move shift control lever to slower position.

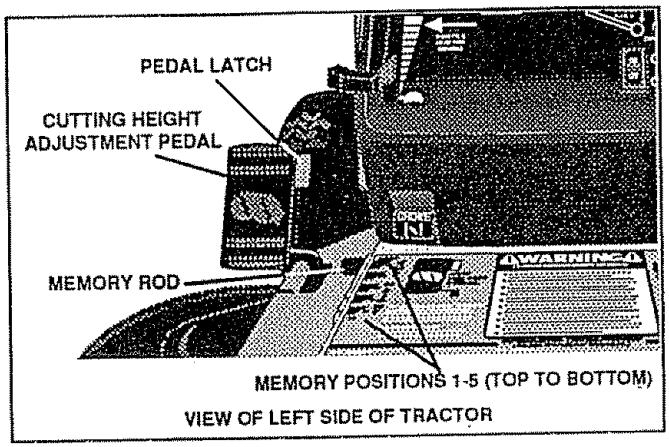


FIG. 7

- If stopping is necessary, push brake-clutch pedal fully (all way down) and engage parking brake.
- Move shift control lever to **NEUTRAL** position.
- To restart movement, release parking brake and move shift control lever to slow forward speed. Be sure you have allowed enough room for unit to roll slightly as you restart movement.
- Make all turns slowly.

TO TRANSPORT TRACTOR (See Fig. 8)

- Fully depress cutting height adjustment pedal into highest position.
- When pushing or towing your unit, be sure shift control lever is in **NEUTRAL** position.
- Pull free wheel control lever out and slide sideways to lock the lever in position to push the tractor.
- Slowly release parking brake and brake-clutch pedal.
- Do not push or tow tractor at more than five (5) MPH.

NOTE: To drive tractor free wheel control lever MUST be pushed in. This control and it's instructional decal are located at the rear of the tractor on the drawbar.

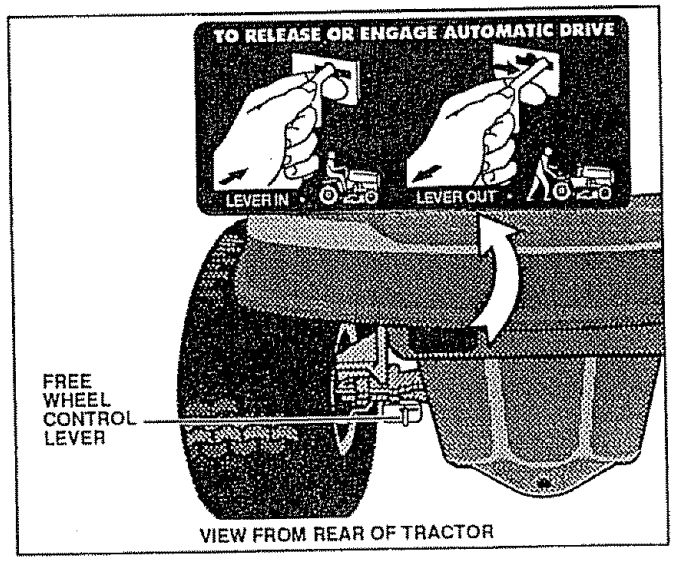


FIG. 8

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL

Read OPERATION and CUSTOMER RESPONSIBILITIES sections of this manual before trying to start the engine.

- Check to make sure engine crankcase is full of oil. Never run engine unless crankcase is full of oil and dipstick is tightened securely into oil tube.
- To change engine oil, see ENGINE LUBRICATION in CUSTOMER RESPONSIBILITIES section of this manual.

ADD GASOLINE

- Fill tank (see Fig. 9). Use fresh, clean, regular Unleaded gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life).

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 methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain fuel tank, start engine and let it run until 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.

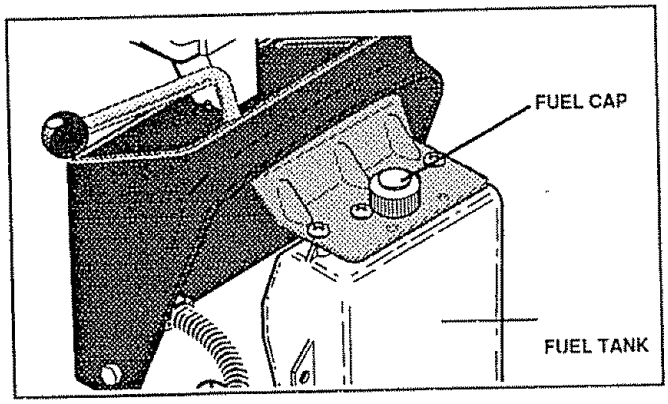


FIG. 9

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

TO START ENGINE

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

Your tractor has two lockout switches that connect solenoid t brake-clutch pedal and attachment clutch lever. When star ing engine, brake-clutch pedal must be fully depressed ar attachment clutch lever must be in **DISENGAGED** position t engage lockout switches. The Check Starting Sequence inc cator will light unless these conditions are met.

Your tractor is equipped with an operator presence sensir switch. The engine will stop if operator is not firmly seated operator's seat when attachment clutch lever is engage Leaning forward or to one side on the seat may cause th engine to stop.

In addition, your tractor has a traction clutch switch. If oper tor must temporarily leave tractor seat to remove an obstru tion, adjust engine, etc., the engine will stop unless the brak clutch pedal is fully depressed and parking brake latch locke

- Depress brake-clutch pedal and set parking brake
- Place the shift control lever in **NEUTRAL** position.
- Move attachment clutch lever to **DISENGAGED** positio
- To start a cold engine move throttle control past dete position for **CHOKE** position. For warm engine start, do n use **CHOKE** position.
- To start a warm engine move throttle control to midw between **FAST** and **SLOW** positions.
- Turn ignition key clockwise to **START** position and relea key as soon as engine starts. Do not run start continuously for more than 15 seconds per minute engine does not start after several attempts, move throt to **FAST** position, wait a few minutes and try again

ALL-WHEEL STEERING FEATURE

Because both front and rear wheels turn, an all-wheel ste ing tractor is very maneuverable. If the tractor becom wedged against a wall, fence or other obstruction, do the f lowing:

- Move shift control lever to No. 1 position
- Turn steering wheel slightly away from obstructic **NOTE:** If you turn steering wheel sharply, rear wheels v turn in opposite direction of front wheels (turning i obstruction you are trying to move away from).
- Move shift control lever to reverse position to back out dead ends. Be sure tractor is completely stopped bef shifting into reverse.

CAUTION: Look down and behind before an while backing.

MOWING TIPS

- Do not use tire chains when mower housing is attached to unit.
- Run the engine at **FAST** speed position.
- Control forward ground speed with shift control lever in accordance with type and quantity of grass being mowed. The more grass to be cut, a slower forward ground speed should be used. When cutting light grass, forward ground speed can be increased. By observing cutting action of your mower, you can determine the forward ground speed.
- Your mower may tend to leave unmowed strips when long and tender grass is being mowed. Tender grass has a high internal moisture content and is easily depressed by lawn tractor wheels, and may not always spring back in time to be cut. To overcome this condition, we advise mowing lawn in a counterclockwise direction, overlapping previous cut, which allows lifting action of rotating blades to lift grass into cutting path.
- When mowing large areas, start in a clockwise direction so clippings will discharged away from shrubs, fences, driveways, etc. After one or two rounds, mow in counterclockwise direction until finished (see Fig 10)
- Be sure your mower is adjusted properly, front-to-rear and side-to-side, (see To Level Mower Deck in Service and Adjustments section).
- Only cut grass that is dry
- Mow grass often. Short grass clippings will decay fast.
- Keep blades sharp. Sharp blades will cut better
- Your tractor is very maneuverable and can be reversed to back out of dead ends.

MULCHING MOWING TIPS

To mulch grass with a mulching mower, you will need to do several things differently than with a conventional mower.

You must change your mowing habits in order to maximize effectiveness of your mulching mower. This could mean slowing down the pace that you currently use to mow your lawn to allow the mulcher extra time to cut and recut the clippings into a fine mulch. The volume of grass that is under the deck of a mulcher is greater at any time than it is with a conventional lawn mower.

WHEN MULCHING LAWN FOR THE FIRST TIME-

- Set cutting height at highest setting and mow in one direction.
- Upon completion of first mowing, lower the cutting height to middle setting and mow a second time at 90° to first cut or in a criss-cross pattern. You can also recut in same direction by overlapping the center of the mower over the wheel tracks of the first cut.

CAUTION: Look down and behind before and while backing. Disengage mower blades before backing up.

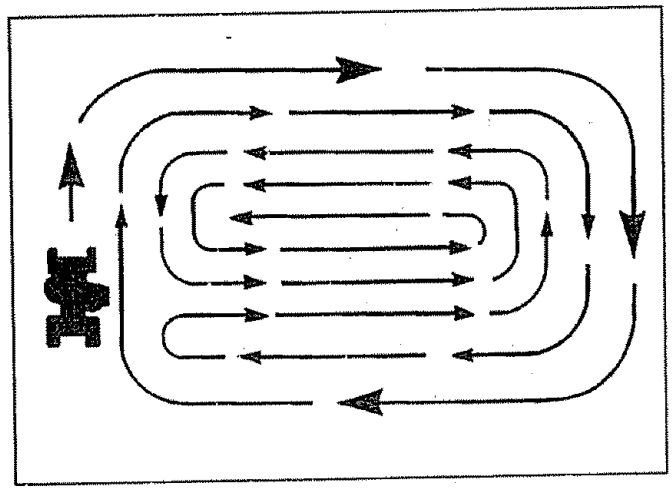


FIG. 10

RETRAINING LAWN TO BE CUT WITH MULCHING MOWER-

- Mow your lawn frequently
- For a mulching mower to perform best, we recommend that you remove about 1" to 1-1/2" of grass with each cut. If your grass is very thick or lush, you may want to remove as little as 1/2" on final cut to produce the best possible result. This could mean that you must mow your lawn every 3-5 days under certain growing conditions.
- If the height of the grass should get out of control, we recommend that you follow instructions for first time mulching to bring lawn back to a manageable height. The optimum grass height is dependent on grass type and immediate local growing conditions. Consult your local agricultural extension office for this information.
- Keep your engine running at full speed (throttle at fast). If you slow down the engine running speed you will slow blade speed as well, which will impair the ability of the mower to cut grass properly.
- After mowing your lawn, check under the mower deck to be sure it is clean and free of grass buildup. Do not allow the grass to build up because it will impair ability of mower to cut properly.
- Keep the blade sharp. It needs to be kept sharp and free from nicks to keep from damaging the grass tips while cutting grass quickly and efficiently
- Keep your lawn watered, fertilized frequently, and free of debris.
- Mulching mower will not perform properly in wet grass. Cut only when it is dry

NOTE: To convert from mulching to conventional lawnmowing see TO REMOVE MULCHING PLUG in CUSTOMER RESPONSIBILITIES section of this manual

CUSTOMER RESPONSIBILITIES

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 warranty, operator must maintain lawn tractor as instructed in this manual.

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

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 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.

CUSTOMER RESPONSIBILITIES SCHEDULE

FILL IN SERVICE DATES AS YOU COMPLETE REGULAR SERVICE

		BEFORE EACH USE	AFTER FIRST 5 HOURS	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	BEGINNING EACH SEASON	BEFORE STORAGE
TRACTOR	Check Brake Operation	✓		✓					
	Check Tire Pressure	✓		✓					
	Check for Loose Fasteners	✓							✓
	Sharpen or Replace Mower Blades				✓3				
	Lubrication Chart				✓				✓
	Check Battery Level/Recharge				✓				
	Clean Battery and Terminals				✓				✓
	Check Transmission Cooling				✓				
	Adjust Blade Belt(s) Tension						✓		
	Adjust Motion Drive Belt(s) Tension						✓		
ENGINE	Check Engine Oil Level	✓		✓					
	Change Engine Oil		✓		✓1,2				✓
	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							✓	

SERVICE DATES

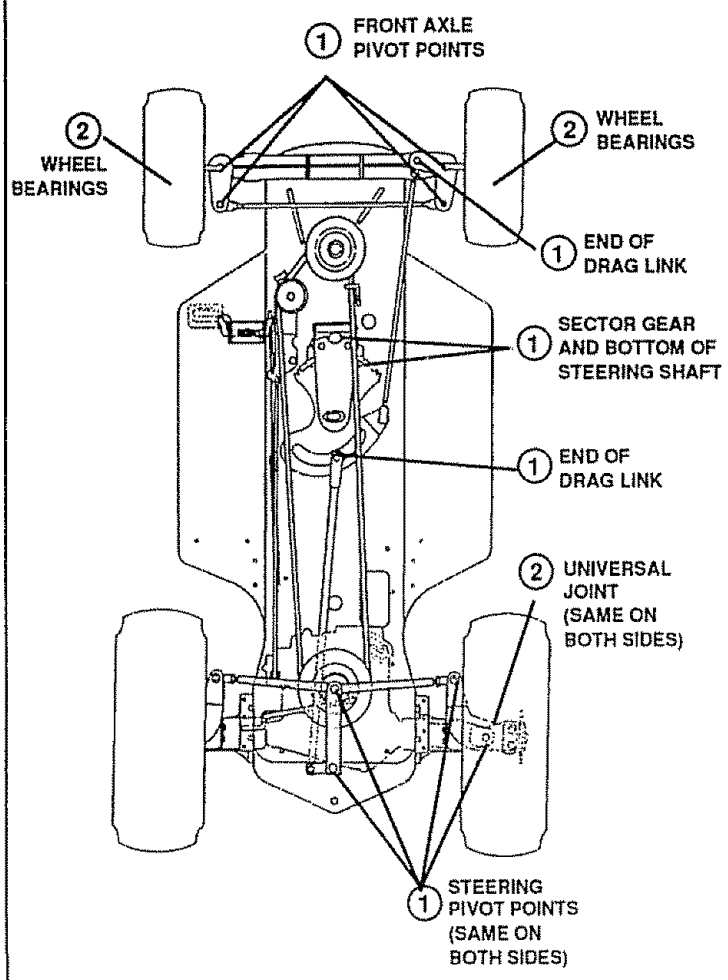
(1) Change more often when operating under a heavy load or in high ambient temperatures

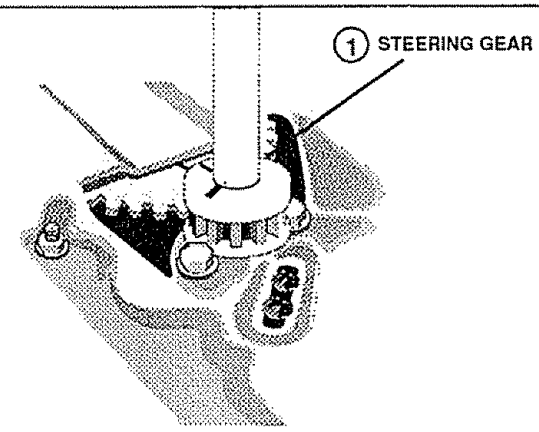
(2) Service more often when operating in dirty or dusty conditions

(3) - Replace blades more often when mowing in sandy soil

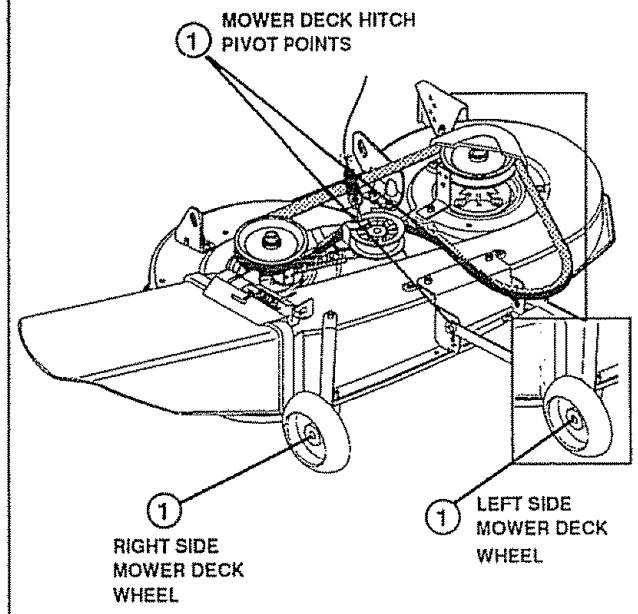
LUBRICATION CHART

Orientation view only. Do Not stand on end.





VIEW FROM LEFT SIDE OF TRACTOR



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

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

Your tractor is equipped with an adjustable disc brake. To check brake operation do the following:

- Stop tractor on a level surface and place shift control lever in **NEUTRAL** position.
- Depress brake-clutch pedal enough to latch parking brake in 2nd notch.
- Try to push tractor. If you are unable to push tractor, brake is too tight and should be loosened (see TO ADJUST TRACTOR BRAKE in SERVICE AND ADJUSTMENTS section of this manual.
- Depress brake-clutch pedal enough to latch parking brake in 4th notch.
- Try to push tractor. If you are able to push tractor, brake is too loose and should be tightened (see TO ADJUST TRACTOR BRAKE in SERVICE AND ADJUSTMENTS section of this manual.

During tractor operation, check for stopping distance. If tractor requires more than six (6) feet stopping distance at high speed in highest gear, the brake must be adjusted (see to ADJUST TRACTOR BRAKE in SERVICE AND ADJUSTMENTS section of this manual).

TIRES

- Maintain proper air pressure in all tires. (See "PRODUCT SPECIFICATIONS" on page 4 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.

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS

- **Fully depress brake-clutch pedal and set parking brake.**
- **Place shift control lever in NEUTRAL position.**
- **Place attachment clutch lever in DISENGAGED position.**
- **Turn ignition key OFF and remove key.**
- **Make sure the blades and all moving parts have completely stopped.**
- **DO NOT handle blades with bare hands. Wear gloves or wrap blade with newspaper or other material while removing or installing blade.**

BLADE CARE

For best results mower blades must be kept sharp. The blades can be sharpened with a file or on a grinding wheel. We suggest they be sharpened or replaced after every 25 hours or mowing. Check blades more often if mowing in sandy conditions.

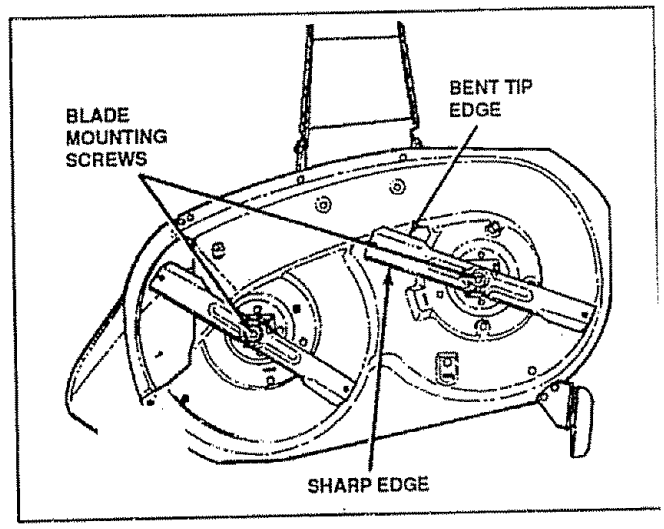


Fig. 11

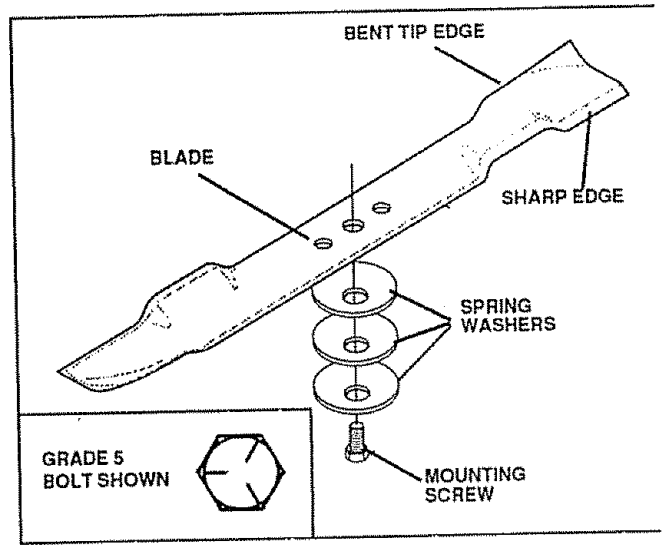


Fig. 12

- Do not attempt to sharpen blades while they are on mower
- Replace bent or damaged blades.

BLADE REMOVAL (See Figs. 11 and 12)

- Remove mower deck (see TO REMOVE MOWER DECK in this section).
- Remove blade mounting hardware securing blade.
- Install new blade with bent tip edges up. Blade will not cut if bent tip edges are not up toward top of mower deck.
- Secure blade to mower deck with mounting hardware removed earlier. Be sure all parts are re-assembled in proper order as shown.
- Tighten blade mounting bolts securely. We recommend using a 10 inch wrench or torque wrench. If a torque wrench is used, torque bolts to between 30 -35 ft lbs)

IMPORTANT: Blade mounting bolts are Grade 5 heat treated as shown in Fig. 12 inset.

TO SHARPEN BLADE (See Fig. 13)

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

- Blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on mower.
- Place center hole of blade over head of the nail or end of a screwdriver clamped horizontally in a vice. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen heavy end until the blade is balanced.

TO INSTALL MULCHING KIT (See FIG. 14)

Your tractor has a mulching kit. To install mulching kit proceed:

- Position mulching plug on bottom of skid bar and inside mower deck
- Install two 5/16-18 x .75 inch carriage bolts, two 5/16 lock washers and two 5/16-18 wing nuts . Tighten securely.

IMPORTANT: Head of carriage bolt must be to underneath side of mulching plug

- To convert from mulching to regular lawnmowing, reverse the above steps.

NOTE: If you are not going use your mulching plug store mulching plug and hardware in a safe place for future use.

BATTERY (See Fig. 15)

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

- Keep battery and terminals clean.
- Keep battery bolts tight.
- Recharge at 6 amps for 1 hour.

TO CLEAN BATTERY AND TERMINALS -

Corrosion and dirt on battery and terminals can cause slow battery power drain.

- Remove terminal guard (if so equipped).
- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor (see **To Remove Battery** in **Assembly** section of this manual).
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get soda solution into cells.
- Rinse 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 TO INSTALL BATTERY in ASSEMBLY section of this manual).

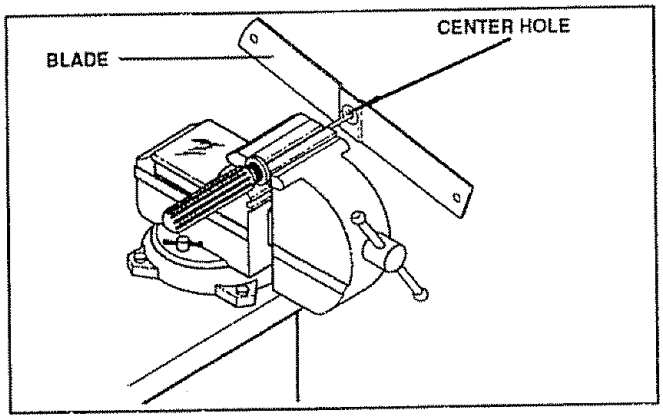


Fig. 13

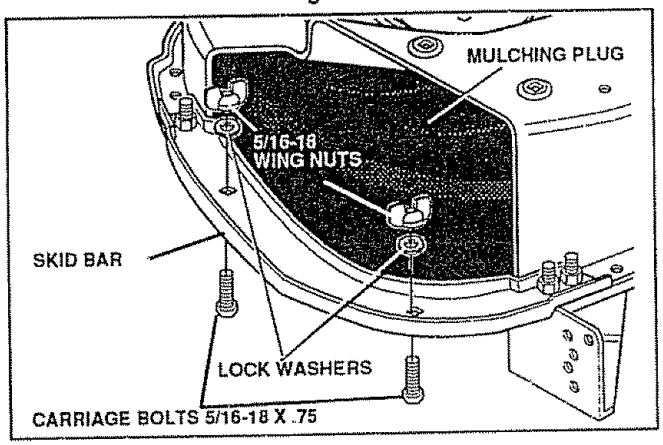


Fig. 14

V-BELTS

Check V-belts for deterioration and wear after 100 hours and replace if required. The mower blade drive belt and tractor drive belts can be adjusted to provide longer belt life (see TO ADJUST BLADE DRIVE BELT or TO ADJUST TRACTOR DRIVE BELT in SERVICE AND ADJUSTMENTS section of this manual).

TRANSAXLE COOLING

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

ENGINE

LUBRICATION

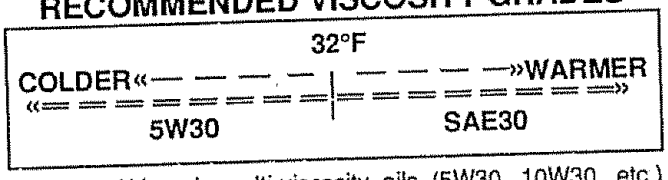
Read ENGINE instructions in this section and OPERATION section of this manual before trying to start engine.

NOTE: Be sure oil has been added to engine crankcase before trying to start engine.

OIL RECOMMENDATIONS

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

RECOMMENDED VISCOSITY GRADES



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.

TO CHANGE ENGINE OIL (See Figs. 15 & 16)

Raise and lower hood slowly to avoid personal injury or damage to tractor.

- Be sure tractor is parked on a level surface.
- Oil will drain more freely when warm.
- Clean area around oil fill drain and cap before removing dipstick.
- Catch oil in a suitable container.
- Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Turn oil drain valve counterclockwise and pull to drain oil. NOTE: The user has the option of connecting a vinyl hose to port end of valve in order to drain used oil ino container for disposal.
- After oil has drained completely, close oil drain valve. To close oil drain valve push and turn clockwise.
- Refill engine crankcase with oil through oil fill tube. Pour slowly. Do not over fill. For approximate capacity see PRODUCT SPECIFICATIONS on page 4 of this manual.
- Use gauge on oil fill cap/dipstick for checking level. Be sure oil fill cap is tightened securely for accurate reading. Keep oil at FULL line on dipstick.

COOLING SYSTEM (See Fig. 15)

Frequently remove grass clippings, dirt and deris form cooling fins, air intake screen, levers and linkage. This will help ensure adequate cooling and correct engine speed.

TO CHANGE OIL FILTER (See Figs. 17)

- Turn oil filter counterclockwise, with an oil filter wrench, to remove.

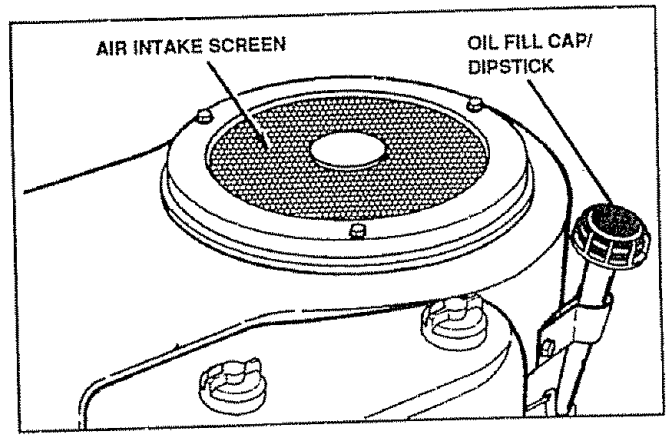


Fig. 15

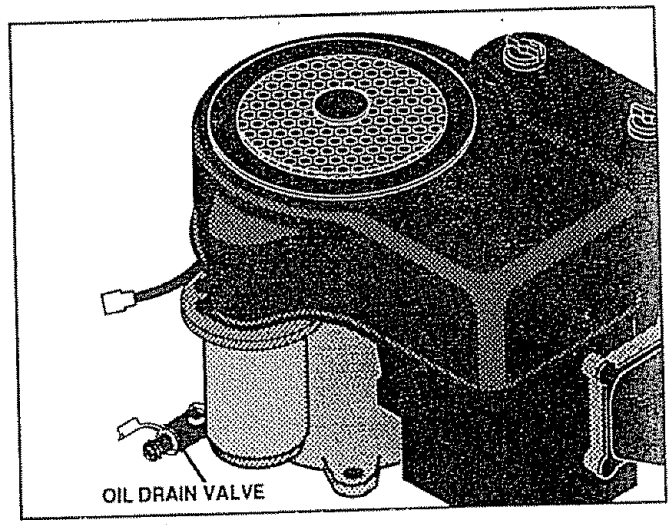


Fig. 16

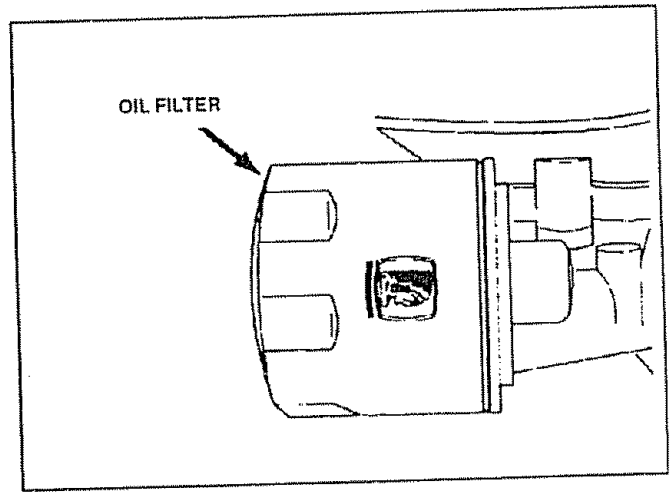


Fig. 17

- Apply a film of clean engine oil on seal of new filter
- Install new filter. Turn filter until seal contacts mounting surface. Then turn filter 3/4 turn more

AIR CLEANER (See FIG. 18)

Your engine will not run properly and may be damaged by using a dirty air filter. Clean foam filter after every 25 hours of operation or every season. Service paper cartridge every 100 hours or every season, whichever occurs first. Service air cleaner more often under dusty conditions.

TO SERVICE FOAM FILTER -

- Remove wing nuts and air cleaner cover.
- Slide foam filter off paper cartridge.
- Wash in water and detergent solution and squeeze (DO NOT twist) until all dirt is removed.
- Squeeze foam filter dry in a clean cloth until completely dry.
- Saturate foam in engine oil. Wrap in clean, absorbent cloth and squeeze to remove excess oil.
- Slide foam filter over cartridge.
- Replace air cleaner cover and wing nuts.

TO SERVICE PAPER CARTRIDGE -

- Remove wing nuts and air cleaner cover.
- Slide foam filter off paper cartridge.

REPLACE PAPER CARTRIDGE. DO NOT ATTEMPT TO CLEAN OR OIL FILTER. REPLACEMENT FILTERS ARE AVAILABLE AT THE NEAREST SEARS SERVICE CENTER.

- Remove nuts and paper filter. Discard nuts and paper filter.
- Clean inside air cleaner cover and body
- Install new paper cartridge and nuts.
- Slide cleaned foam filter over paper cartridge.
- Replace air cleaner cover and wing nuts.

MUFFLER

Inspect and replace corroded muffler and spark arrester (if so 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 use, whichever comes first. Spark plug type and gap setting is shown in PRODUCT SPECIFICATIONS on page 4 of this manual.

IN-LINE FUEL FILTER (See Fig. 19)

Fuel filter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required. Make sure new filter is installed with the IN marking toward the tank and the OUT marking toward the engine. Check fuel system components frequently and replace any parts showing wear or cracks.

- 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.

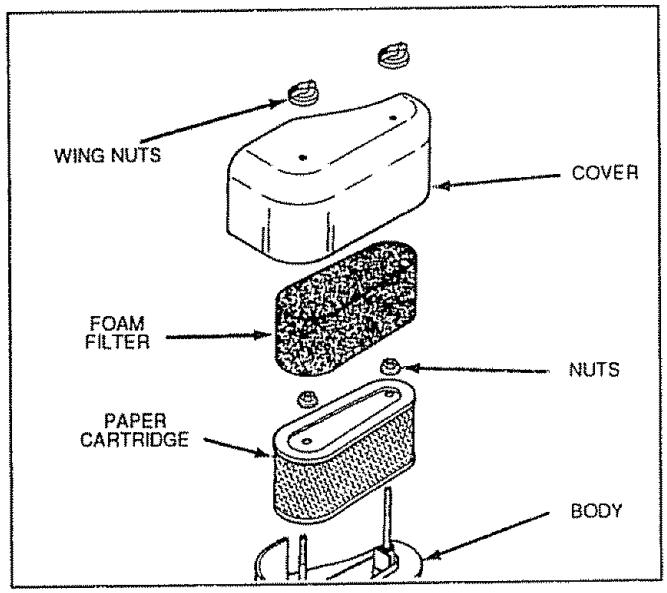


Fig. 18

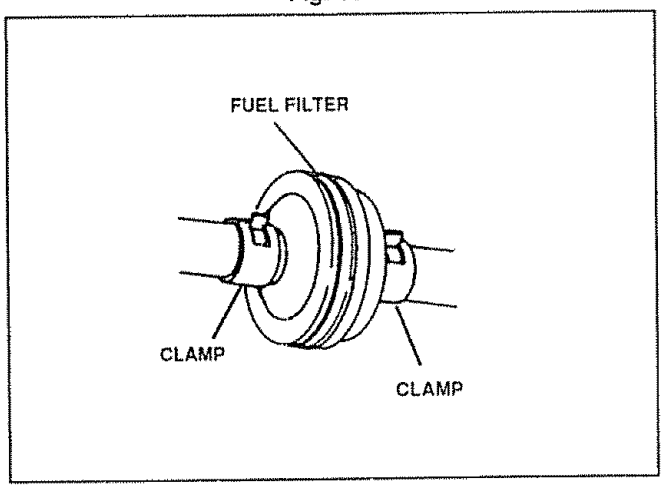


Fig. 19

CLEANING

- Clean engine, battery, seat, transaxle, 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 electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can shorten engine life.

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS

- **Depress brake-clutch pedal and set parking brake.**
- **Place shift control lever in NEUTRAL position.**
- **Place attachment clutch lever in DISENGAGED position.**
- **Turn ignition key OFF and remove key.**
- **Make sure the blades and all moving parts have completely stopped.**

TRACTOR
TO REMOVE MOWER DECK

Remove mower deck from right side of tractor.

- Place cutting height adjustment pedal in lowest cutting position by moving memory rod to position 1 and pressing pedal latch to release cutting height adjustment pedal.
- Turn front wheels all the way to the left to allow mower deck hitch to slide past right front wheel.
- Remove hairpin cotter from mower deck hitch and remove deck hitch rod from top holes of the front mounting bracket (see Fig. 20).
- Lower deck hitch.
- Remove hairpin cotter and Flatwasher from hanger pin of right rear lift arm and slide off right mower deck lift bracket (see Fig. 21).
- Remove hairpin cotter and Flatwasher from hanger pin of left rear lift arm and slide off left mower deck lift bracket (see Fig. 21).
- Pull lower engine pulley belt guides away from pulley (see Fig. 22).
- Move mower deck forward and remove mower deck drive belt from lower engine pulley. Reposition belt guides.
- Disconnect mower deck engagement cable from mower clutch cable spring (see Fig. 23).
- Place cutting height adjustment pedal in highest cutting position.
- Pull mower deck out from under right side of tractor.

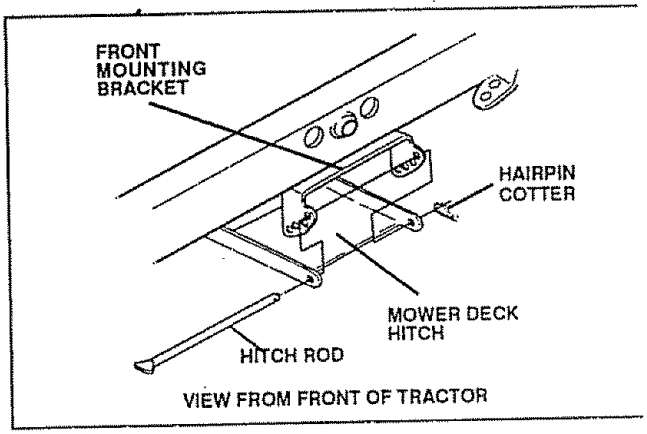


FIG. 20

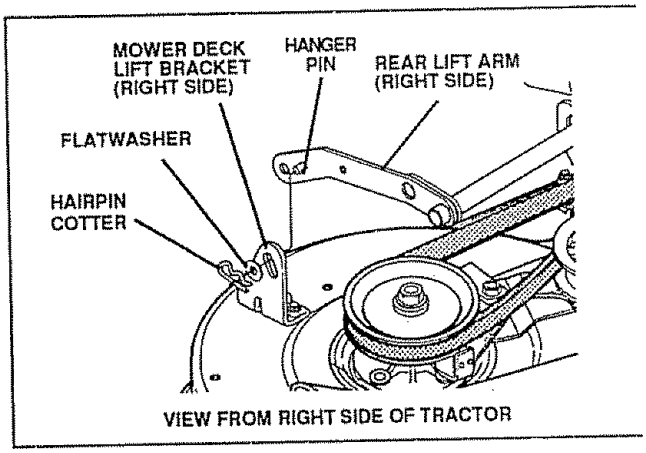


FIG. 21

TO INSTALL MOWER DECK

- Place cutting height adjustment in highest position by pressing cutting height adjustment pedal all the way down until it latches. If cutting height is not in highest position, the deck brackets will hit the lift arms while sliding the deck under the tractor.
- Place mower deck on right side of tractor with chute deflector away from tractor.
- Turn front wheels of tractor to maximum left turn.
- Lift deck hitch and slide deck under tractor to a centered position.
- From left side of tractor, slide deck rearward. Then connect mower deck engagement cable to mower clutch cable spring (see Fig. 23). Be sure open side of spring end is pointed down (see Fig. 23 inset).

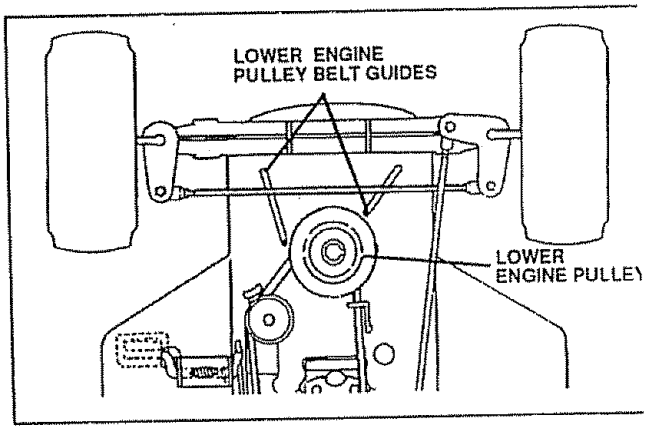


FIG. 22

- Slide deck toward front of tractor. Pull lower engine pulley belt guides away from engine and slip mower deck drive belt onto lower engine pulley. Reposition belt guides to 1/16" from pulley.
- Underneath the footrests of the tractor, remove hairpin cotters and flatwashers from left and right hand hanger pins and lay aside (see Fig. 21).
- Remove hitch rod and hairpin cotter from front mounting bracket and lay aside (see Fig. 20).
- Align holes in the mower deck hitch with the top set of holes in the front mounting bracket and reinstall the hitch rod and hairpin cotter.
- Place cutting height adjustment pedal in lowest position by moving memory rod to position 1 and pressing pedal latch to release cutting height adjustment pedal. **NOTE:** Be sure left and right lift arms are to the inside of left and right deck lift brackets (see Fig. 21).
- Lift deck slightly and flex left rear hanger pin inward to snap hanger pin into left deck lift bracket slot. Secure hanger pin in place with Flatwasher and hairpin cotter removed earlier.
- Lift deck slightly and flex right rear hanger pin inward to snap hanger pin into right deck lift bracket slot. Secure hanger pin in place with Flatwasher and hairpin cotter removed earlier (see Fig 21).
- Check mower deck leveling and adjustment as required See TO LEVEL MOWER DECK in this section of the manual.

TO LEVEL MOWER DECK

Adjust mower deck while tractor is parked on level ground or driveway. Make sure tires are properly inflated (see PRODUCT SPECIFICATIONS on page 4 of this manual). If tires are over or under inflated, you will not properly adjust your mower deck.

The tractor main frame should be level across front from left side to right side. If main frame will not sit level, two outside axle mounting screws may be too tight. The outside mounting screws must be loose enough to allow front axle to pivot. **NOTE: Do Not loosen center mounting screw.**

- Check and adjust height of mower deck (see TO ADJUST MOWER DECK HEIGHT in this section).
- Place mower deck cutting height adjustment in No. 2 for all adjustments.

SIDE-TO-SIDE ADJUSTMENT (See Fig. 24)

- Measure height, from level surface, of left and right blade tips at outside edge of mower deck. If blades are equal or not more than 1/8 inch difference, no side-to-side adjustment is necessary.
- If adjustment is necessary, loosen right side eccentric mounting screw and turn eccentric clockwise or counter-clockwise as required to level mower deck. **NOTE:** When groove on eccentric is pointing down, right side of mower deck is at its lowest position. When groove is pointing up, right side of mower deck is at its highest position.
- Hold eccentric with a wrench while tightening eccentric mounting screws securely.

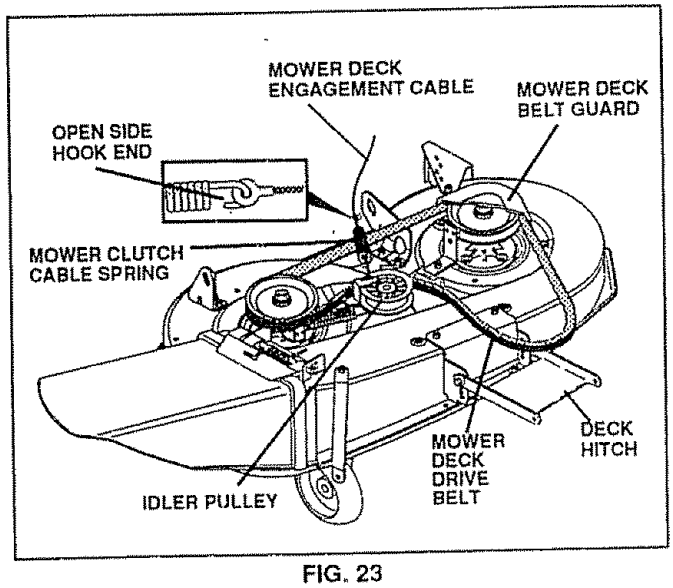


FIG. 23

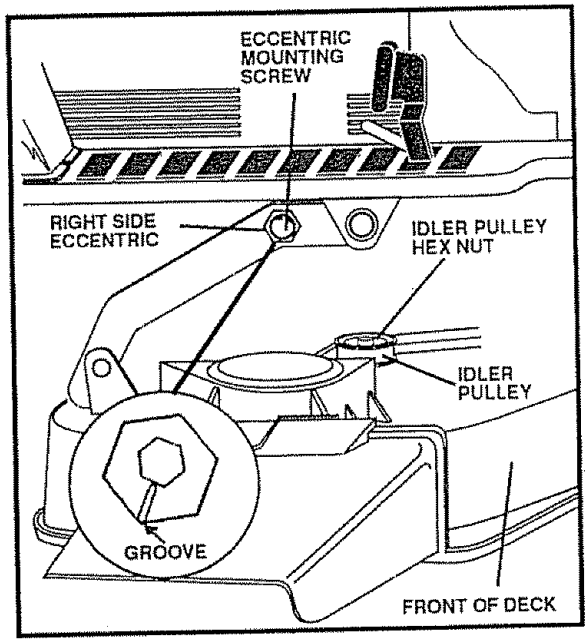


Fig. 24

FRONT-TO-REAR ADJUSTMENT (See Fig. 25)

- Measure height, from level surface, of right side blade tips at front and rear of mower deck. If distances are equal or not more than 1/8 inch lower in front, no adjustment is necessary.
- If adjustment is necessary, loosen front eccentric mounting screws and turn front adjustment eccentric clockwise or counterclockwise as required. **NOTE:** When groove on eccentric is pointed straight forward, front of mower deck is at lowest point. Turn both eccentrics so grooves are pointing same direction (up or down).

If more adjustment is necessary, front of mower deck may be raised or lowered by relocating eccentric mounting screws in higher or lower position on mower deck mounting bracket.

- Hold eccentric with a wrench while tightening eccentric mounting screws securely.

TO ADJUST MOWER DECK HEIGHT (See Fig. 26)

Before making any mower deck height adjustments check air pressure in all four tires. All tires must be properly inflated for mower deck height to be properly adjusted. For recommended air pressure, see "Product Specifications" on page 4.

The main frame on the lawn tractor should be level across the front from left side to right side. If main frame will not sit level, the two outside axle mounting screws may be too tight. The two outside mounting screws must be loose enough to allow front axle to pivot. **NOTE: Do Not loosen center mounting screw.**

- Place tractor on a level surface.
- Place cutting height in lowest position (No. 1 see inset).
- Measure height of mower deck from bottom edge of left front corner to ground. Height should be 1-3/4 inches. If adjustment is necessary, go to next step.
- Locate adjustment nut near left mower deck lift arm (see Fig. 26).
- Loosen jam nut on adjustment rod.
- Turn adjustment nut to obtain 1-3/4 inches. **NOTE:** Turn adjustment nut clockwise to raise mower deck or counterclockwise to lower mower deck.
- Re-check measurement as outlined above. If more adjustment is necessary, turn adjustment nut until height of mower deck is 1-3/4 inches.
- Tighten jam nut up against adjustment nut.
- Check and adjust level of mower deck as outlined in paragraph TO LEVEL MOWER DECK.

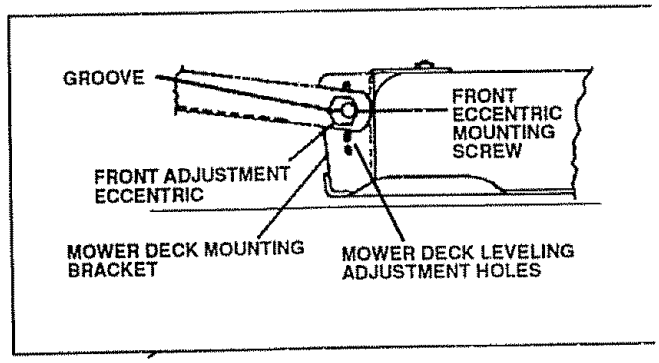
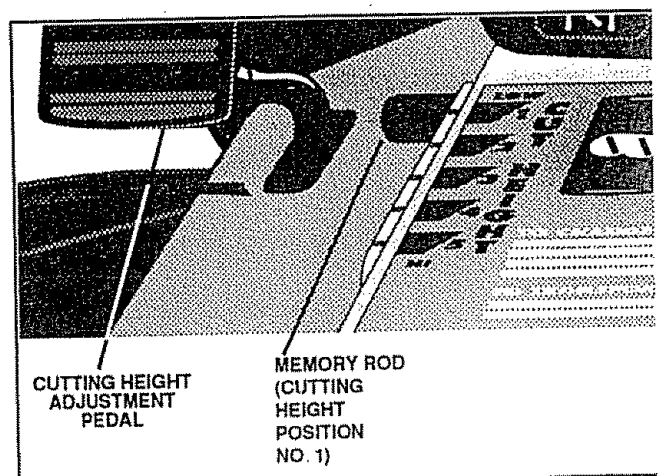


FIG. 25



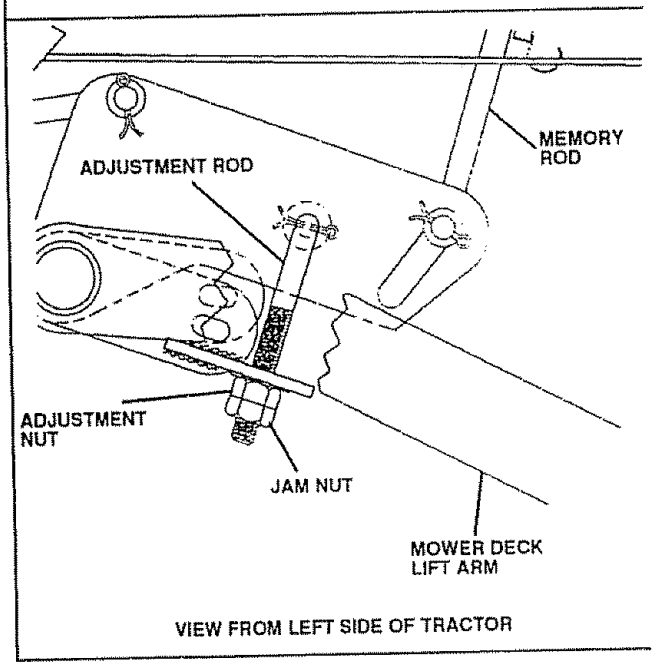


FIG. 26

TO ADJUST BLADE DRIVE BELT

(See Fig. 27)

When mower blade drive belt slips and blades will not turn at full speed when mowing, the blade drive belt should be tightened.

- Place attachment clutch lever in **DISENGAGED** position.
- Loosen idler pulley hex nut.
- Slide idler pulley toward rear of mower deck to tighten belt. **NOTE:** Only a small amount of movement should be required.
- Re-tighten hex nut on idler pulley.
- To check adjustment:

  a. Start engine and place throttle control lever in position **FAST**.

  b. Place attachment clutch lever in **ENGAGED** position and allow sufficient time for blades to run to full speed, then place attachment clutch lever in **DISENGAGED** position. Blades should stop within a few seconds and remain stopped. If blades do not stop or tend to creep, adjustment is too tight.
- To loosen blade drive belt, loosen idler pulley and move toward front of mower deck.

BLADE BRAKE ADJUSTMENT

(See Fig. 27)

Blade brakes should stop mower blades when attachment clutch lever is in **DISENGAGED** position. Blade brake pads should not come in contact with quill assemblies when attachment clutch lever is in **ENGAGED** position.

- Place cutting height adjustment in lowest cut position (No. 1).

TO CHECK RIGHT HAND BRAKE -

- Move attachment clutch lever backward to **DISENGAGED** position.
- Begin to move attachment clutch lever forward toward **ENGAGED** position and check distance lever moves before brake pad, on right hand quill assembly, begins to move.
- Attachment clutch lever should move at least 3/4 inch, but not more than 1 inch, before brake pad begins to move.
- If the distance is not between 3/4 and 1 inch, (see TO ADJUST RIGHT HAND BRAKE below).

TO ADJUST RIGHT HAND BRAKE -

- Note which one of five holes on front of idler arm extension is used for attaching mower clutch cable spring (see Fig. 27, inset B).
- If distance is more than 1 inch, move mower clutch cable spring to a hole toward bolts holding idler arm extension.
- If distance is less than 3/4 inch, move mower clutch cable spring to a hole toward free end of idler arm extension.
- Re-check right hand brake and adjust if required.

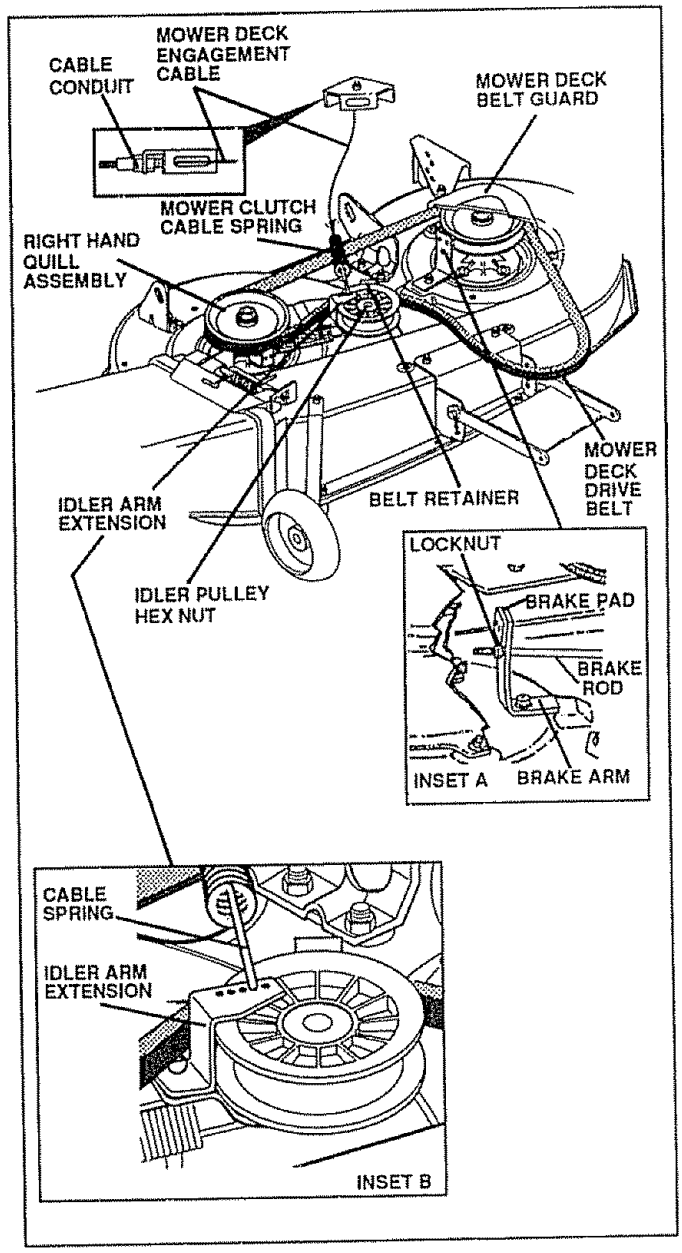


Fig. 27

TO CHECK LEFT HAND BRAKE -

- Place attachment clutch lever in **DISENGAGED** position.
- Locknut, on end of brake rod, should be approximately 1/8 inch from brake pad mounting bracket with left hand brake pad against pulley of left hand quill assembly (See Fig. 27, inset A).

TO ADJUST LEFT HAND BRAKE -

- Adjust locknut if necessary

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 28)

- Remove mower deck (see TO REMOVE MOWER DECK in this section.
- Remove mower deck belt guard.
- Note position of belt retainer on idler pulley so it can be can be repositioned properly after belt installation. Loosen idler pulley.
- Remove old belt and replace with a new original equipment belt.
- Reinstall belt guard.
- Reposition belt retainer and re-tighten idler pulley.
- Reinstall mower deck assembly.
- Adjust belt (see TO ADJUST TRACTOR DRIVE BELT below).

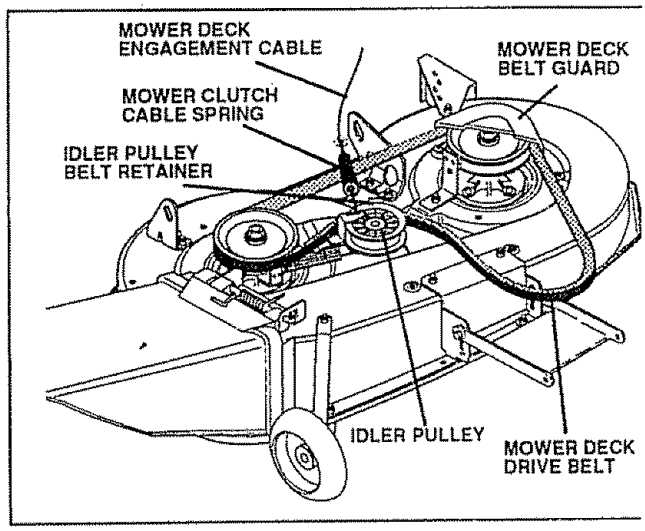


Fig. 28

TO ADJUST TRACTOR DRIVE BELT (See Figs. 29 and 30)

The drive belt is kept tight by a spring attached to the brake-clutch pedal assembly. When the drive belt is properly adjusted, the brake-clutch pedal should appear as shown in fully released position.

- The brake-clutch pedal should appear as shown in Fig. 29 when in the fully released position. If not, then the following adjustment is necessary.
- Depress the brake-clutch pedal enough to latch the parking brake in the 3rd notch.
- Loosen clutching idler pulley mounting screw.
- If brake-clutch pedal was too far forward, slide idler pulley in toward engine pulley. If pedal was too far rearward, slide idler pulley away from engine pulley.
- Re-tighten idler pulley mounting screw. **NOTE:** Belt retainer should point toward position where running board meets main frame.
- Release brake-clutch pedal and re-check pedal for proper position and readjust if necessary.
- Check tractor brake adjustment (see TO ADJUST TRACTOR BRAKE in this section).

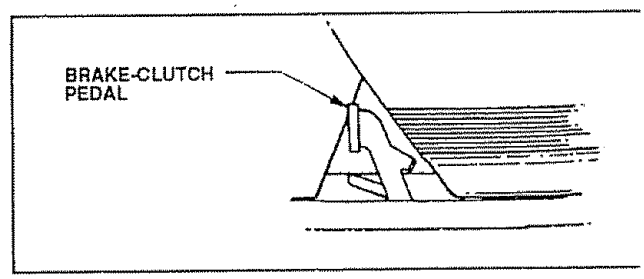


Fig. 29

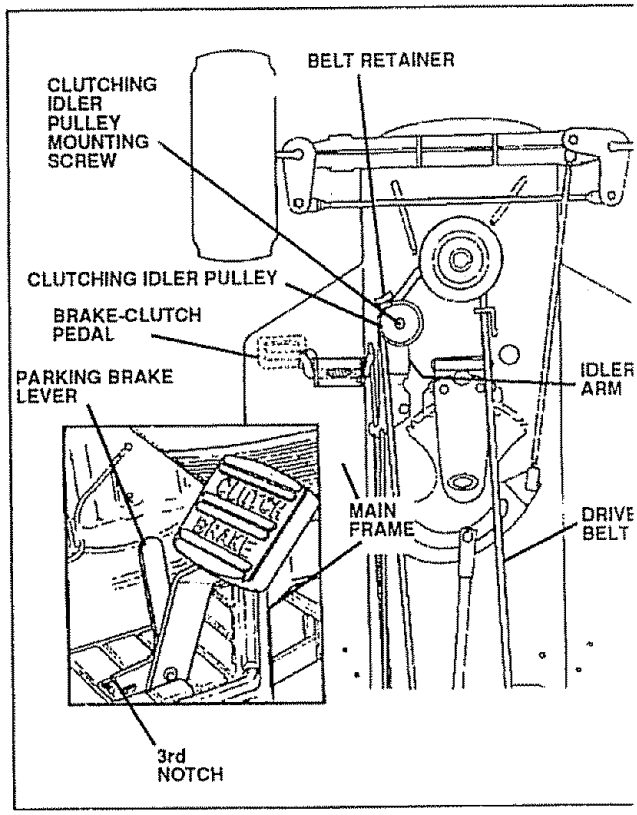


Fig. 30

TO REPLACE TRACTOR DRIVE BELT (See Figs. 31 and 32)

Your tractor uses v-belts made of special compounds. If any belt becomes worn or breaks, replace with original equipment belt (see REPAIR PARTS section of this manual). NEVER USE A SUBSTITUTE.

- Remove mower deck (see TO REMOVE MOWER DECK in this section).
- Fully depress brake-clutch pedal and set parking brake.
- Loosen clutching idler pulley mounting screw.
- Pull belt retainer away from pulley and remove belt from clutching idler pulley.
- Remove belt from engine pulley.
- Remove belt from transaxle pulley.
- Replace belt by reversing above instructions. Be sure belt is installed to inside of upper engine pulley belt guide.
- Before repositioning and tightening clutching idler pulley and belt retainer, adjust tractor drive belt (see TO ADJUST TRACTOR DRIVE BELT in this section).
- Check tractor brake adjustment (see TO ADJUST TRACTOR BRAKE in this section).

TO ADJUST SEAT (See Fig. 33)

The seat can be adjusted forward or rearward to desired operator's position.

- Raise rear of seat to horizontal position.
- Loosen (do not remove) four hex head screws in seat plate.
- Pull up on seat to move it toward rear of tractor, or push down on seat to move to toward front of tractor.
- Tighten hex head screws in seat plate.

If more adjustment is required:

- Remove seat and seat plate.
- Install seat and seat plate in either forward or backward holes of seat support bracket.

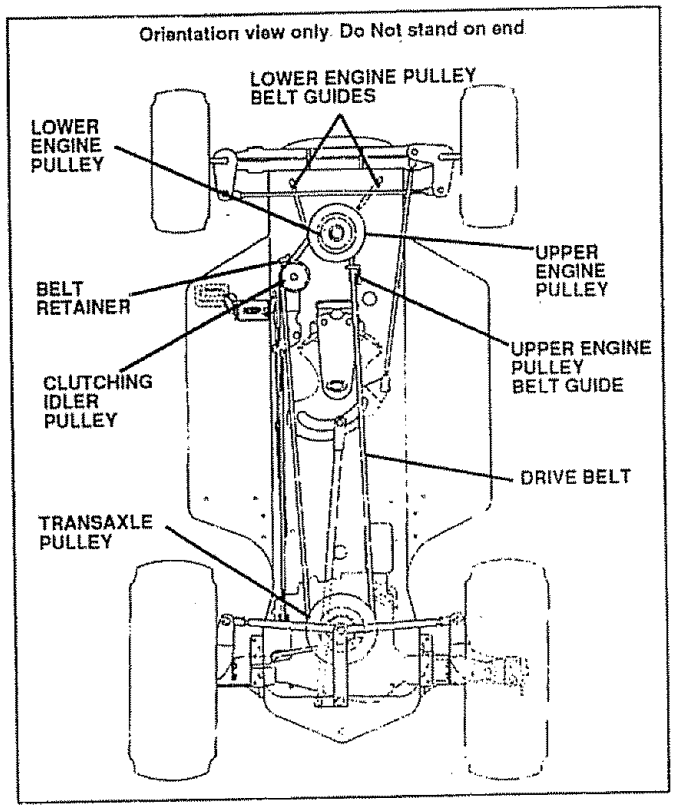


Fig. 31

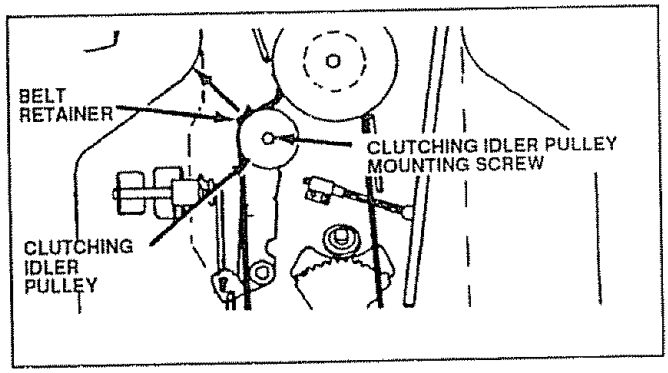


Fig. 32

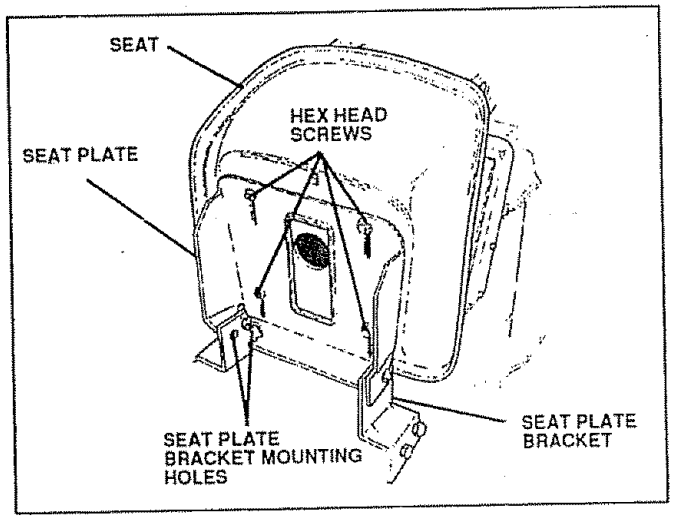


Fig. 33

TO ADJUST TRACTOR BRAKE (See Figs. 34A & 34B)

Your tractor is equipped with an adjustable disc brake mounted on the transaxle.

TO CHECK BRAKE OPERATION -

- Stop tractor on a hard flat surface and turn off engine.
- Place shift control lever in **NEUTRAL** position.
- Depress brake-clutch pedal enough to latch parking brake in 2nd notch.
- Try to push tractor. If you are unable to push tractor, brake is too tight and should be loosened (see TO ADJUST TIGHT BRAKE below).
- Depress brake-clutch pedal enough to latch parking brake in 4th notch.
- Try to push tractor. If you are able to push tractor, brake is too loose and should be tightened (see TO ADJUST LOOSE BRAKE below).

TO ADJUST LOOSE BRAKE -

- Place shift control lever in **NEUTRAL** position and depress brake-clutch pedal enough to latch parking brake in 4th notch.
- Turn brake adjusting nut clockwise until you cannot push tractor.
- Re-check tractor brake adjustment as outlined above.

TO ADJUST TIGHT BRAKE -

- Place shift control lever in **NEUTRAL** position and depress brake-clutch pedal enough to latch parking brake in 2nd notch.
- Turn brake adjusting nut counter-clockwise until you can push tractor.
- Re-check tractor brake adjustment as outlined above.

During tractor operation, check for stopping distance. If tractor requires more than six (6) feet for stopping distance at high speed in highest gear, the brake must be adjusted (see TO ADJUST TRACTOR BRAKE as described above).

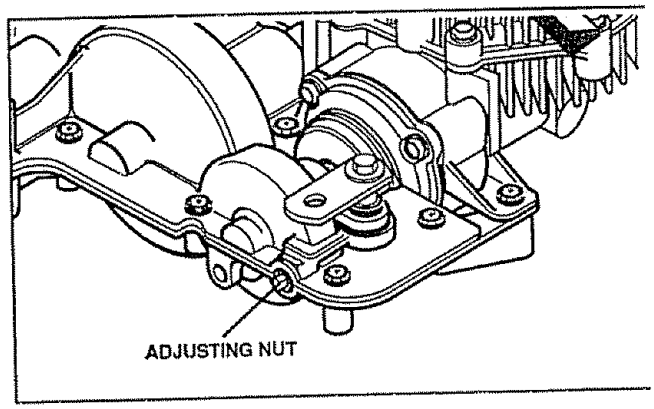


Fig. 34A

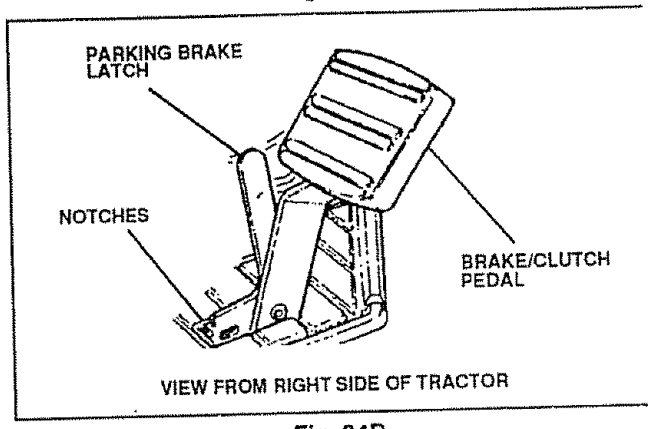


Fig. 34B

TO ADJUST STEERING GEAR (See Fig. 35)

If excessive play develops in steering, adjust pinion and sector gears as follows:

- Position front wheels straight forward.
- Arrows should align in pinion and sector gear.
- Slightly loosen mounting screws in lower steering shaft bearing.
- Move lower steering bearing toward back of tractor, as needed.
- Hold bearing in place, tighten mounting screws securely. Use a 10-inch wrench or a torque wrench. If torque wrench is used, torque mounting screws to between 30 and 35 foot pounds.

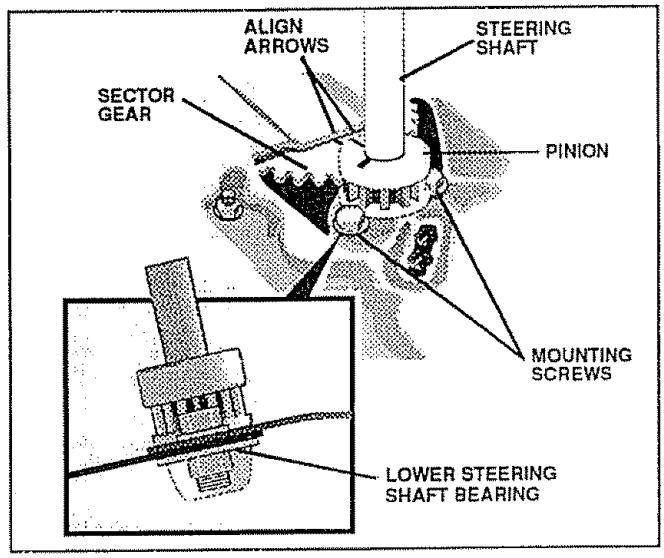


Fig. 35

TO REMOVE WHEEL FOR REPAIRS (See Figs. 36A and 36B)

- Block up axle securely.
- On front wheels, remove hub cap, retaining ring and washer(s) to remove wheel.
- On rear wheels, remove hub cap and bolts to remove wheel.
- Repair tire and re-assemble.
- On rear wheels, align holes and reinstall bolts. Torque bolts to 50 ft lbs.
- On front wheels, replace washer(s), and retaining ring.
- Replace hub caps.

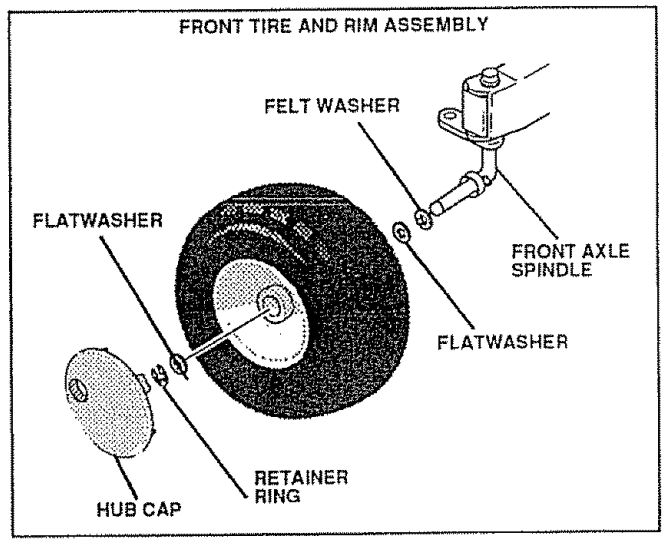


Fig. 36A

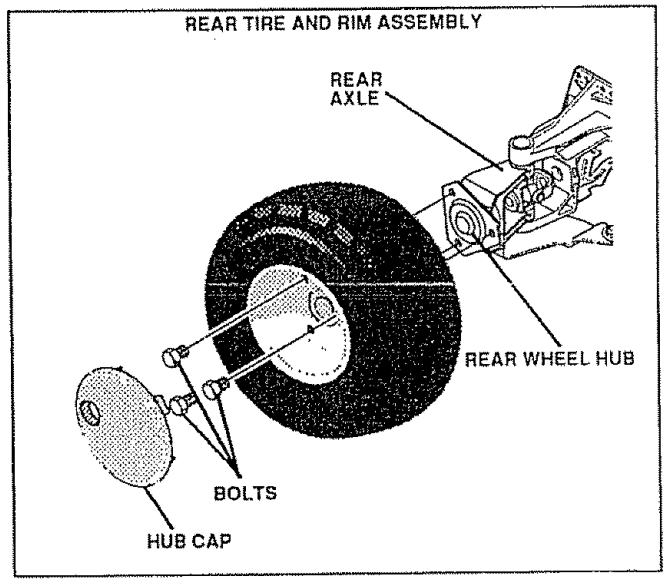


Fig. 36B

TO ADJUST TRANSMISSION CONTROL LEVER (See Fig. 37)

A Hydrostatic Transmission is basically a hydraulic variable displacement pump with a hydraulic motor which drives the rear wheels.

In gear drive transmissions neutral is definite and has no gears engaged. There are no gears in a hydraulic pump. Forward or reverse motion is achieved by changing the flow of oil in the pump and neutral is a narrow band between forward and reverse.

Neutral can be found by placing the shift lever in the neutral gate.

A more positive neutral is to push down the brake-clutch pedal which disengages the belt drive to the hydrostatic transmission. If the operator leaves the tractor seat and the brake-clutch pedal is not pushed all the way down and the parking brake latched the engine will kill.

It may be necessary to make an adjustment to the transmission control lever for true neutral position.

TO CHECK FOR TRUE NEUTRAL POSITION:

- Place transmission control lever in neutral gate. If tractor continues to move, adjustment is required. Move transmission control lever to find the true neutral position. Leave transmission control lever in true neutral position and turn engine off.

TO ADJUST FOR TRUE NEUTRAL POSITION:

Note the amount of adjustment required to move the transmission control lever from the true neutral position to the neutral gate. Note the location of the five adjustment washers on the transmission control lever. Determine the proper relocation of these washers to center the lever in the neutral gate.

- Remove hair pin on end of transmission control lever.
- Note position of spring. Remove transmissi control lever and spring.
- Relocate washers as needed to center transmission cont lever in neutral gate.
- Replace spring, transmission control lever and hair pin
- Recheck adjustment for true neutral position.

If sufficient adjustment can not be made by relocating washe proceed with instructions below:

- Loosen two hex head screws and nuts located under ri rear fender.
- Move transmission control lever to center of neutral gate transmission control lever quadrant.
- Tighten hex head screws and nuts.
- Recheck adjustment for true neutral position.

TO CHECK TENSION OF TRANSMISSION CONTROL LEVE

- Start tractor and place transmission control lever in a forward speed position. If the lever creeps (moves) ou position when climbing hills or under a load. adjustmen required.

TO ADJUST TENSION ON TRANSMISSION CONTROL LEVI

- Turn tractor off.
- Located under right rear frame is a hex nut. This nut is us to adjust tension on transmission control lever.
- Place wrench on hex nut and another wrench on bolt the is on.
- While holding bolt, tighten hex nut to add tension to tra mission control lever.
- Recheck adjustment.

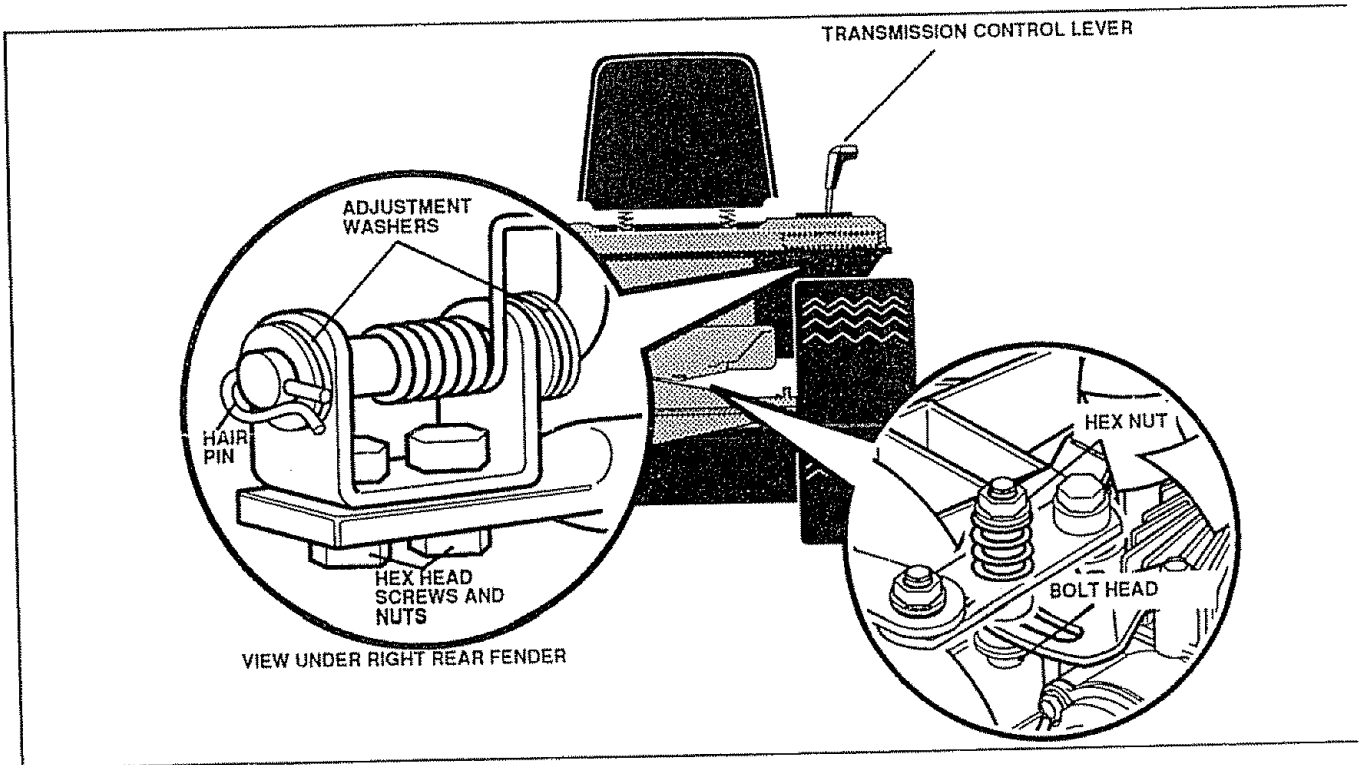


Fig. 37

TO START ENGINE WITH A WEAK BATTERY (See Fig. 38)

When you charge the battery, do not smoke. Keep the battery away from any sparks. The fumes from the battery acid can cause an explosion.

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 GROUNDED SYSTEM. OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

TO ATTACH JUMPER CABLES -

- Push battery boot away from POSITIVE (+) terminal.
- Connect RED (+) cable to POSITIVE (+) terminal on battery, taking care not to short against chassis.
- Connect BLACK (-) cable to NEGATIVE (-) terminal on battery.

TO REMOVE CABLES, REVERSE ORDER -

- BLACK (-) cable from battery.
- RED (+) cable from battery.

TO REPLACE FUSE (See Fig. 39)

- Raise hood.
- Locate fuse holder under dash.
- Remove fuse and replace with a 15 amp automotive-type plug in fuse (see REPAIR PARTS section for more information).

TO REPLACE HEADLIGHT BULB (See Fig. 40)

- Raise hood. **NOTE:** Do not remove plastic headlight lens when replacing headlight bulb.
- Turn headlight harness (holding bulb) 1/4 turn counter-clockwise and remove.
- Pull bulb out (do not unscrew). Push in new bulb.
- Replace headlight harness and turn 1/4 turn clockwise to lock in place.
- 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.

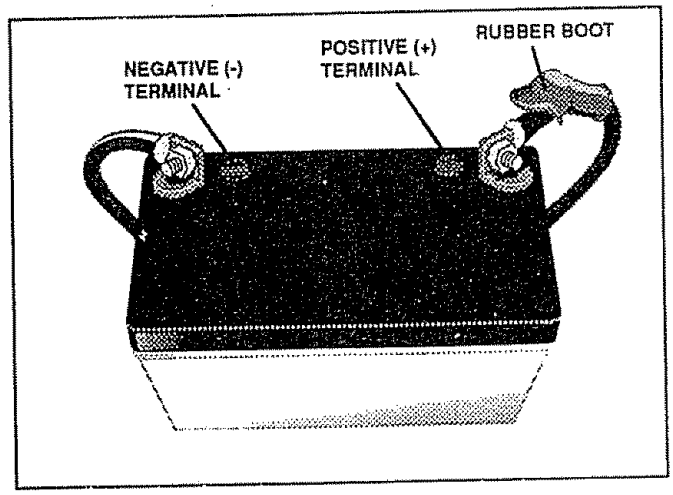


Fig. 38

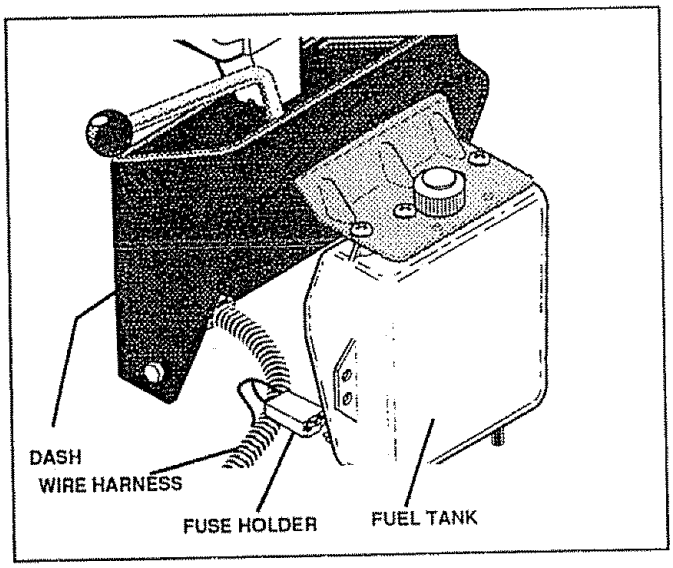


FIG. 39

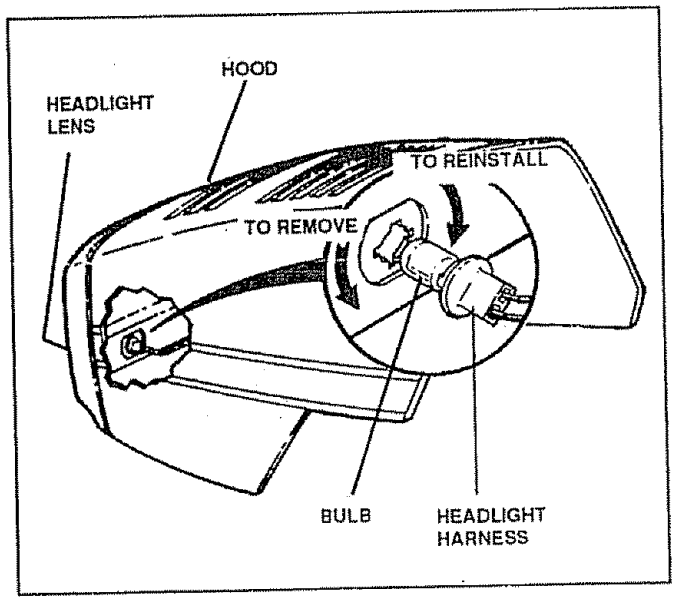


Fig. 40

TO REMOVE HOOD (See Figs. 41 and 42)

- Raise hood.
- Disconnect headlight wire harness connector.
- Remove screw used to attach hood lanyard to side of engine. Hold hood securely to prevent hood from falling.
- Remove clevis pins and hairpins used to attach hood to mounting brackets.
- To reinstall, reverse above procedure.

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See FIG. 43)

The throttle control has been preset at factory and adjustment should not be necessary. If adjustment is necessary, proceed as follows:

- With engine not running, move throttle control lever to **FAST** position or detent postion.
- Loosen clamp screw so throttle cable can be moved in cable clamp. (Do not remove cable clamp from control bracket or disconnect remote control cable from control lever.)
- Move control lever to FAST position and hold in this position.
- Tighten clamp screw securely so cable clamp will hold remote control cable in place when remote equipment is used.

The engine controls should now be adjusted correctly.

TO ADJUST CARBURETOR

The carburetor has been preset at the factory and adjustment should not be necessary. However if you think your carburetor needs adjusting, see your nearest SEARS SERVICE CENTER.

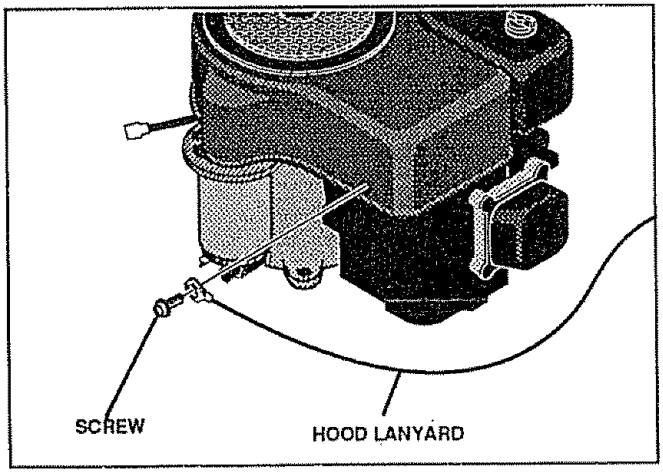
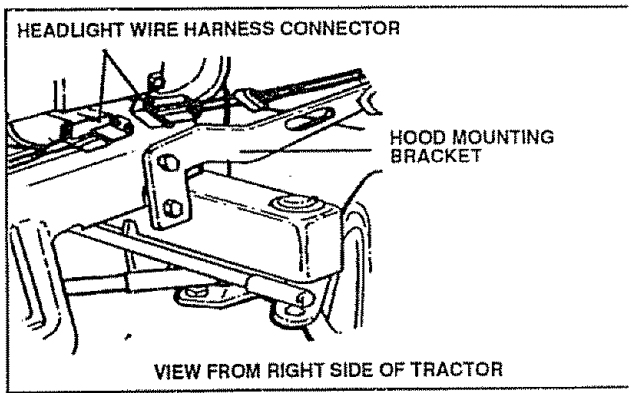


Fig. 41



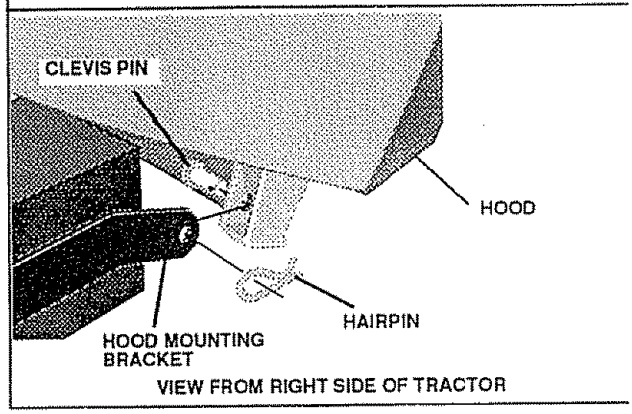


Fig. 42

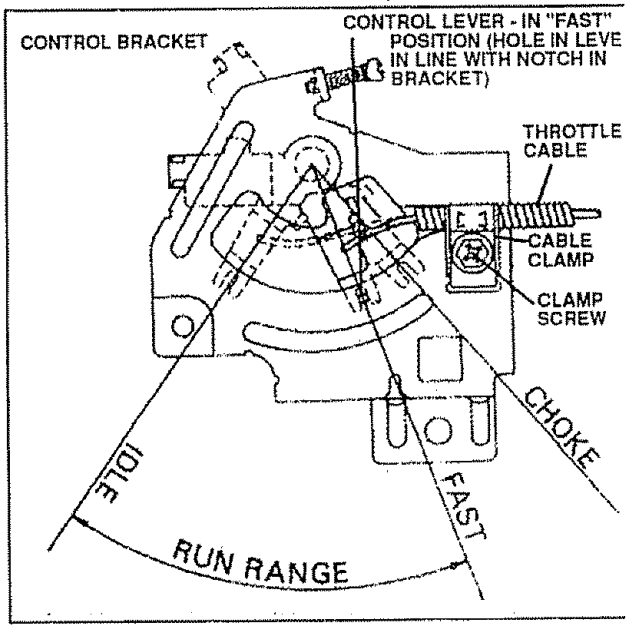


FIG. 43

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 Sears Service Department 10. Contact Sears Service 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 tank with fresh gasoline 6. Check all wiring. 9. Contact Sears Service Department 10 Contact Sears Service Department.
Engine will not turn over	1 Brake-clutch pedal not depressed 2. Mower clutch lever 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 9. Faulty operator presence switch(es).	1 Depress brake-clutch pedal. 2. Disengage mower clutch lever 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 Sears Service 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 re-gap or change spark plug 7 Replace fuel filter 8. Drain fuel tank and refill tank with fresh gasoline 9 Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter 10 Connect and tighten spark plug 11. Clean engine air screen/fins 12. Clean/replace muffler 13. Check all wiring 14. Contact Sears Service Department. 15 Contact Sears Service Department
Excessive vibration	1. Worn, bent or loose blade. 2. Clutching idler assembly worn or damaged 3 Loose/damaged parts.	1 Replace blade. Tighten blade bolt. 2. Replace clutching idler assembly. 3 Tighten loose part(s). Replace damaged parts
Unit will not propel itself when clutch is engaged	1. Sheared or missing engine, transmission or transaxle pulley(s) key. 2. Transaxle not operable. 3 Free wheel control lever incorrectly positioned	1 Replace key 2 Contact Sears Service Department 3 Stop unit and place free wheel control lever in DRIVE position

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Unit will not shift or shifts hard	1. Shifting procedure incorrect. 2. Tractor drive belt and/or brake out of adjustment. 3. Transaxle not operating properly.	1. Check shifting procedure. Unit MUST come to a complete stop before changing directions. 2. Check adjustment of tractor drive belt and/or brake. Adjust if necessary. 3. Contact Sears Service Department.
Unit shifts to easy or returns to neutral	1. Tension of transmission control lever is to loose 2. Friction disc is worn.	1. Tighten tension of transmission control lever. See TI ADJUST TRANSMISSION CONTROL LEVER. 2. Replace or tighten friction disc.
Engine continues to run when operator leaves seat with mower clutch engaged	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact Sears Service Department.
Poor cut-uneven	1. Worn, bent or loose blade 2. Mower deck not level. 3. Build-up of grass, leaves and trash under mower.	1. Replace blade. Tighten blade bolt. 2. Replace blade mandrel 3. Clean underside of mower housing
Mower blades will not rotate	1. Obstruction in clutch mechanism 2. Mower drive belt out of adjustment. 3. Worn/damaged mower drive belt 4. Frozen idler pulley.	1. Remove obstruction. 2. Adjust mower drive belt. 3. Replace mower drive belt. 4. Replace idler pulley
Poor or no grass discharge	1. Build-up of grass, leaves and trash under mower. 2. Wet grass. 3. Engine speed too slow. 4. Travel speed too fast. 5. Mowing to much grass. 6. Mower deck not level. 7. Low/uneven tire air pressure 8. Worn, bent or loose blade 9. Mower drive belt worn or out of adjustment. 10. Blades improperly installed. 11. Improper blades used.	1. Clean underside of mower housing 2. Allow grass to dry before mowing. 3. Place throttle control in "FAST" position. 4. Shift to slower speed. 5. Set cutting height to higher setting. Then re-cut at normal setting. 6. Level mower deck. 7. Check tires for proper air pressure. 8. Replace/sharpen blade. Tighten blade bolt. 9. Replace/adjust mower drive belt. 10. Reinstall blades sharp edge down. 11. Replace with blades listed in this manual.
Mower leaves unmowed strip between blades	1. Mowing wet/high moisture content grass. 2. Mowing too much grass. 3. Mowing too fast. 4. Blades are worn or require sharpening. 5. Blade drive belt out of adjustment. 6. Worn or damaged quill assembly(s). 7. Damaged mower deck housing.	1. Allow grass to dry before mowing. 2. Set cutting height to higher setting. 3. Place transmission control lever in lower setting. 4. Sharpen or replace blades if necessary. 5. Check tension of blade drive belt. Adjust if necessar. 6. Replace quill assembly(s). 7. Repair of replace mower deck housing.
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. Poor cable connections. 2. Bad battery cells. 3. Faulty regulator (if so equipped).	1. Check/clean all connections. 2. Replace battery. 3. Replace regulator.
Steering erratic	1. Steering sector gear and pinion loose. 2. Worn ball joints.	1. Check steering sector gear. Adjust if necessary. 2. Check ball joints. Replace if necessary.
Steering difficulty	1. Steering sector gear and pinion tight. 2. Steering pivot points dry.	1. Check steering sector gear. Adjust if necessary. 2. See Lubrication Chart.

STORAGE

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

Never store the engine with fuel indoors or in a poorly ventilated enclosure, where fuel fumes may reach an open flame, spark or pilot light as on a furnace, water heater, clothes dryer, etc.

Handle the gasoline carefully. It is highly flammable and careless use could result in serious fire damage to your person and/or property.

Drain the fuel into an approved container outdoors away from an open flame.

TRACTOR

Remove mower deck from tractor for winter storage. When mower deck is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Give blades and underside of mower deck housing a good coat of grease or rust preventative. Store in a clean, dry area.

- Clean entire tractor (See CLEANING in 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 (see CUSTOMER RESPONSIBILITIES section of this manual).
- Be sure 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 surface; sand lightly before painting.

BATTERY

- Fully charge 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 CUSTOMER RESPONSIBILITIES section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.

ENGINE
FUEL SYSTEM

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

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

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

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See ENGINE IN CUSTOMER RESPONSIBILITIES section of this manual).

CYLINDERS

- Remove spark plugs.
- Pour one ounce of oil through spark plug holes into cylinders.
- Turn ignition key to START position for a few seconds to distribute oil.
- Replace with new spark plugs.

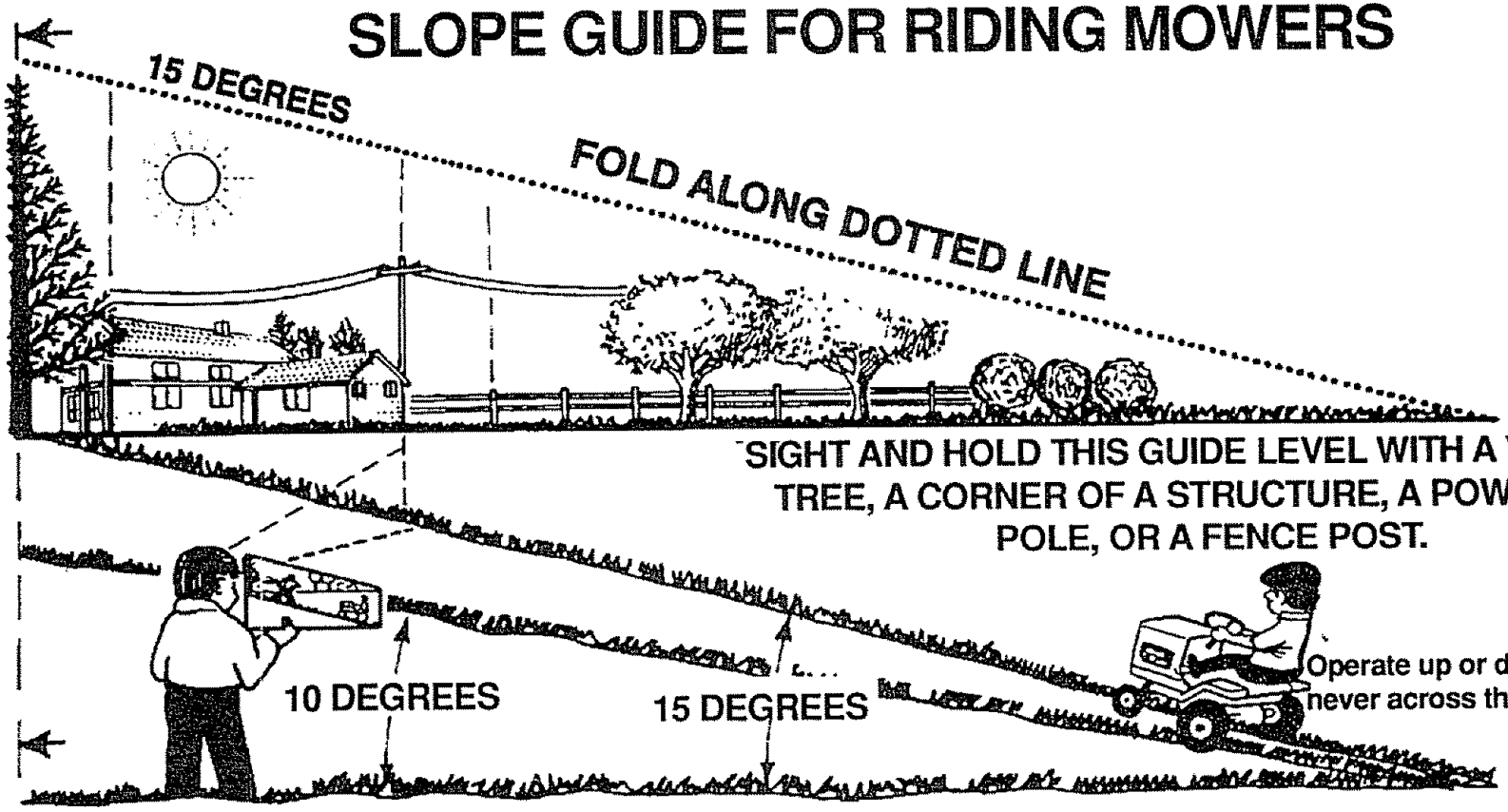
OTHER

- 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 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.

CUT HERE TO USE SLOPE GUIDE

SLOPE GUIDE FOR RIDING MOWERS



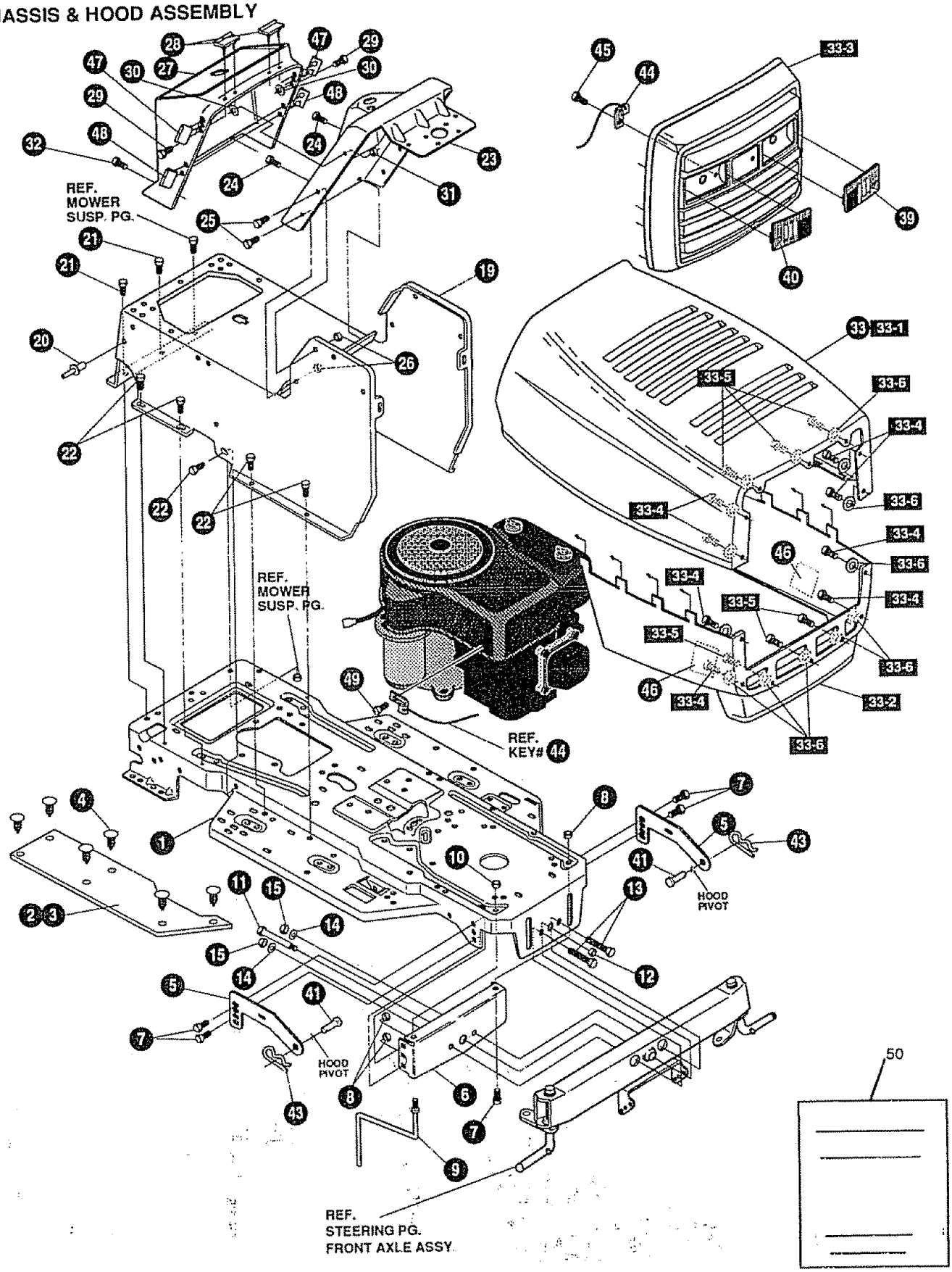
To determine if a slope is safe to mow: (1) disengage the blade(s), (2) put the unit in reverse, and (3) try to back straight up the slope. If you can back up the slope, it is generally safe to mow. However, if you do not feel safe, or if you are not completely sure, use this guide and do not mow a slope that is greater than 15 degrees. If the riding mower is used with a pull-behind attachment, do not operate the unit on a slope that is greater than 10 degrees.

A 15 degree slope is a hill that increases in height at approximately 2.5 feet in 10 feet.
A 10 degree slope is a hill that increases in height at approximately 1.7 feet in 10 feet.

⚠ Use extreme care at all times, and avoid sudden turns or maneuvers. Follow other instructions in this manual for safety in mowing on slopes. Operate a riding mower up or down slopes, never across the face of slopes. Use extra care when operating on or near slopes

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

CHASSIS & HOOD ASSEMBLY



NOTE: ALWAYS USE ORIGINAL EQUIPMENT PARTS. Use of service/replacement parts other than original equipment parts may void your warranty.

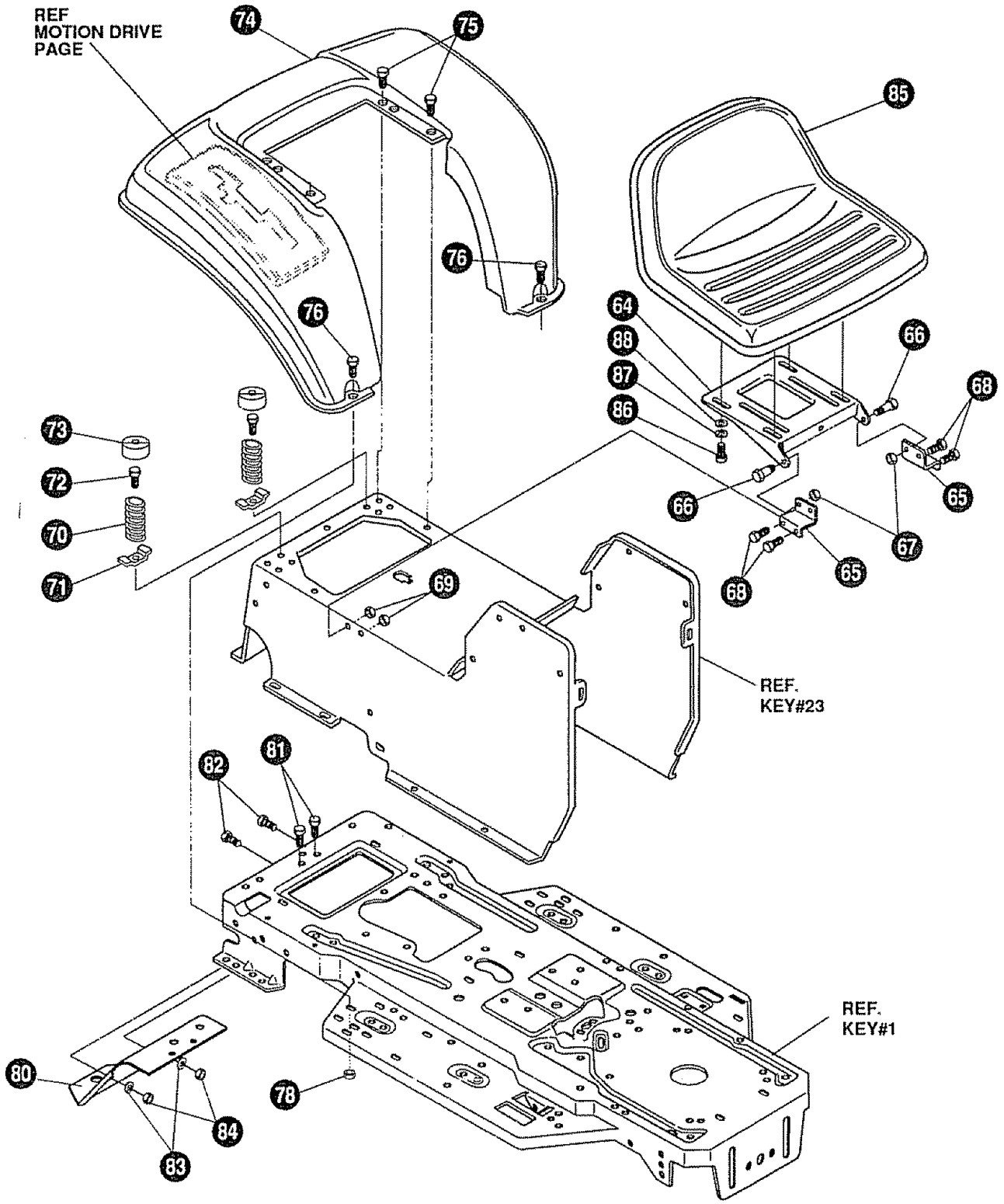
ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

336367A

KEY#	PART#	DESCRIPTION	QTY
1	335715-833	FRAME, MAIN	1
2	314799	FOOT PAD,LH" P-LIFT"	1
3	310006	FOOT PAD, RH 22.12LG	1
4	309235	FASTENER, RATCHET BLACK	12
5	323068-853	BRACKET, GRILLE SEARS	2
6	313541-853	BRACKET, FRONT AXLE	1
7	56030	SCREW, 5/16-18X.75 WDFLLK	5
8	55273	NUT, 5/16-18 WDFLLKLRG WHIZ	5
9	300440	BELT GUIDE, RIDER	1
10	1498	NUT, 5/16-18 REGHEXCTRLK	1
11	308207	BOLT, .625X2.18 HHSH 1/2-13	1
12	309008	NUT, 1/2-13 HEXJAM CTRLK	1
13	180138	SCREW, 3/8-16X3.00 HHC	2
14	2483	WASHER, 39IDX1.25DX.07 BELLVIL	2
15	1499	NUT, 3/8-16 REGHXCTRLK	2
19	315120-833	CONSOLE	1
20	46763	RIVET, POP .187DIAX .450LG ST	3
21	35497	SCREW, 5/16-18X .50 WAHHTAP	2
22	995346	SCREW, 1/4-20X .50 WAHHTAP	9
23	324111-833	DASH STEEL	1
24	995346	SCREW, 1/4-20X .50 WAHHTAP	2
25	44811	SCREW, 1/4-20X .75 WAHHTAP	4
26	50352	NUT, 1/4-20 WDFLLK TOPLOCK	4
27	336368	DASH	1
28	321810	BUMPER, HOOD/DASH	2
29	318139	SCREW, 1/4-20X .63PHPNHD	2
30	996307	FLATWASHER .391X1.00X.209	4
31	1502	NUT, 1/4-20 REGHEXCTRLK	2
32	318304	SCREW, 1/4-14X 75PHPNHDTAP BLK	2
33	336499	HOOD ASSEMBLY	1
33-1	336371	HOOD	1
33-2	336372	SKIRT, LOWER	1
33-3	336373	GRILLE, HORIZONTAL	1
33-4	316043	SCREW, 10X1.00 UNSL-HWH-HILO	8
33-5	316881	SCREW, 10X.75 UNSL-HWH-HILO	6
33-6	1501	FLATWASHER, .203X 56X 040	14
39	314967	LENS, LH SEARS	1
40	314968	LENS, RH SEARS	1
41	323044	PIN. CLEVIS .500 X .49/.51LGTH	2
43	8260	PIN, HAIR .091 DIAX1.66LG	2
44	310748	LANYARD.HOOD 15.77LG	1
45	49050	SCREW, 1/4-10X .75PHPNTAP	1
46	301452	FOIL, HEAT REFLECTOR	2
47	324491	BUMPER.HOOD/DASH SIDE TOP	2
48	324492	BUMPER,HOOD/DASH SIDE BOTTOM	4
49	44811	SCREW, 1/4-20X .75 WAHHTAP	1
50	336446	OWNER'S MANUAL	1

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

CHASSIS & HOOD ASSEMBLY



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ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

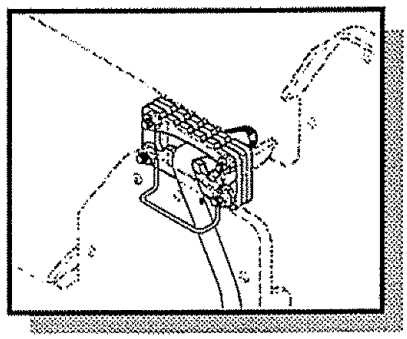
336367A

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

KEY#	PART#	DESCRIPTION	QTY
64	58367-853	PLATE, SEAT	1
65	310660-833	BRACKET, SEAT SUPPORT	2
66	20507	BOLT, .437X .156 HHSH 5/16-18	2
67	1498	NUT, 5/16-18 REGHEXCTRLK	2
68	48901	SCREW, 5/16-18X .63WAHHC	4
69	1498	NUT, 5/16-18 REGHEXCTRLK	4
70	57153	SPRING, SEAT 2.63LG,1.49OD	2
71	1341	CLAMP, SPRG 1.17"ID	2
72	44811	SCREW, 1/4-20X .75 WAHHTAP	2
73	56907	COVER,SEAT SPRING 1.5IDX1.0LG	2
74	308654-833	FENDER SOF,P-LIFT,GS	1
75	995346	SCREW, 1/4-20X .50 WAHHTAP	4
76	126358	BOLT, 5/16-18X1.00 CARRLN	2
78	55273	NUT, 5/16-18 WDFLLKLRG WHIZ	2
80	327061-833	HITCH, SEARS	1
81	48148	SCREW, 3/8-16X1.00 WAHHSPTAPPL	2
82	180079	SCREW, 5/16-18X1.00 HHC	2
83	120393	WASHER, FLAT .344X .69X.065	2
84	1498	NUT, 5/16-18 REGHEXCTRLK	2
85	336369	SEAT V540 CRAFTSMAN W/BLK TRIM	1
86	180077	SCREW, 5/16-18X .75 HHC	4
87	120638	WASHER, HVSPTLK .328X.60X.09	4
88	120393	WASHER, FLAT .344X .69X.065	4

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

MOWER SUSPENSION ASSEMBLY



DETAIL "A"

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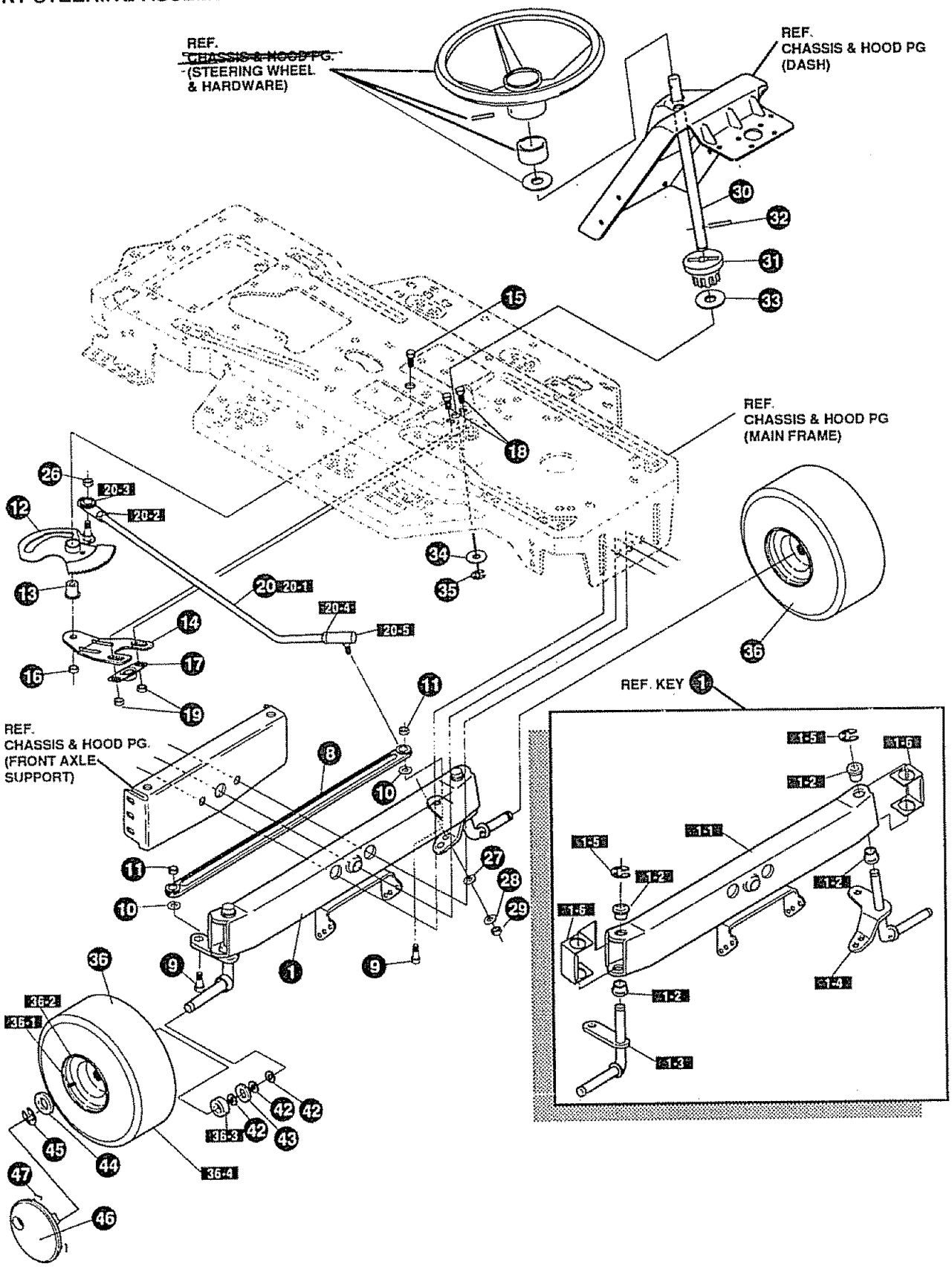
ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

322997H

KEY #	PART #	DESCRIPTION	QTY
1	320075-853	BRACKET,CLUTCH ENGAGE LEVER	1
2	180079	SCREW, 5/16-18X1.00 HHC	2
3	120393	WASHER, FLAT .344X .69X.065	2
4	1498	NUT, 5/16-18 REGHEXCTRLK	2
5	317089	ASSY, CLUTCH LEVER	1
6	50148	BEARING, FL .503IDX .63ODX .50	1
7	8260	PIN, HAIR .091 DIAX1.66LG	1
8	318341	BRACKET, SWITCH ENGAGE	1
9	35498	SCREW, 5/16-18X .75 WAHHTAP	1
10	324032	SPRING,CABLE KEEPER .390 ID	1
11	48306	PULLEY,POWDER METAL	1
12	316648	SPRING .071 X .62 X 12.88	1
13	324045	BOLT, .375X .565 HHSH	1
15	1502	NUT, 1/4-20 REGHEXCTRLK	1
16	300698-853	BRACKET FRAME CABLE	1
17	180020	SCREW, 1/4-20X .75 HHC	2
18	1502	NUT, 1/4-20 REGHEXCTRLK	2
19	324055	ASSY,CABLE, BLADE ENGAGE	1
20	120613	NUT, 1/4-28 HJAM	1
21	35498	SCREW, 5/16-18X .75 WAHHTAP	1
22	57444	TIE, CABLE BLACK NYLON 5 62L	1
23	322835-853	LIFT ASSY, LH	1
24	300169-853	LIFT ASSY, RH	1
25	180079	SCREW, 5/16-18X1.00 HHC	1
26	58247	NUT. ADJUST	1
27	1498	NUT, 5/16-18 REGHEXCTRLK	1
28	417098	WASHER, FLAT .531X1.06X.063	2
29	8260	PIN, HAIR .091 DIAX1.66LG	2
30	322821	ROD, ADJUSTING "J" P-LIFT	1
31	120394	WASHER, FLAT .406X .81X.065	1
32	36368	PIN, HAIR .072 DIAX1.13LG	1
33	996416	WASHER, FLAT .391X1.0OX.125	1
34	120377	NUT, 3/8-16 REGHX	1
35	322467	NUT, 3/8-16 HXHDNYLON INSERT	1
36	58248-853	BRACKET, REAR HANG SUSP	2
37	57072	BOLT, 5/16-18X .63 CARRLN	4
38	1498	NUT, 5/16-18 REGHEXCTRLK	4
39	314962-853	PEDAL ASSY, DECK HEIGHT	1
40	328596	PAD, LIFT PEDAL	1
41	328771	BRACKET, LIFT ARM	1
42	57072	BOLT, 5/16-18X .63 CARRLN	4
43	44108	NUT, 5/16-18 HWDFLCTRLK	4
44	315342	LATCH, PEDAL LIFT	1
45	314829	BOLT, .56 X .13 HHSH 3/8-16	1
46	1499	NUT, 3/8-16 REGHXCTRLK	1
47	314489	SPRING, LIFT LATCH	1
48	314792	ROD, PIVOT	1
49	121222	PIN, COTTER .090 DIAX .75LG	2
50	321385	ROD, MEMORY	1
51	120394	WASHER, FLAT .406X .81X.065	4
52	36368	PIN, HAIR .072 DIAX1.13LG	1
53	315341	BRACKET, MEMORY	2
54	44811	SCREW, 1/4-20X .75 WAHHTAP	4
55	324038	GUIDE, MEMORY ROD - NEW ADJ'T	1
56	1502	NUT, 1/4-20 REGHEXCTRLK	4
57	314969	CAP, MEMORY ROD .38ID X .75	1
58	314837	SPRING, MEMORY	1
59	321837	KNOB,ROUND 1.50 DIA MATTE BLK	1
60	180077	SCREW, 5/16-18X .75 HHC	1
61	1498	NUT, 5/16-18 REGHEXCTRLK	1
62	1288	BRACKET, CABLE RETAINER	1
63	309235	FASTENER. RATCHET	1

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

FRONT STEERING ASSEMBLY



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ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

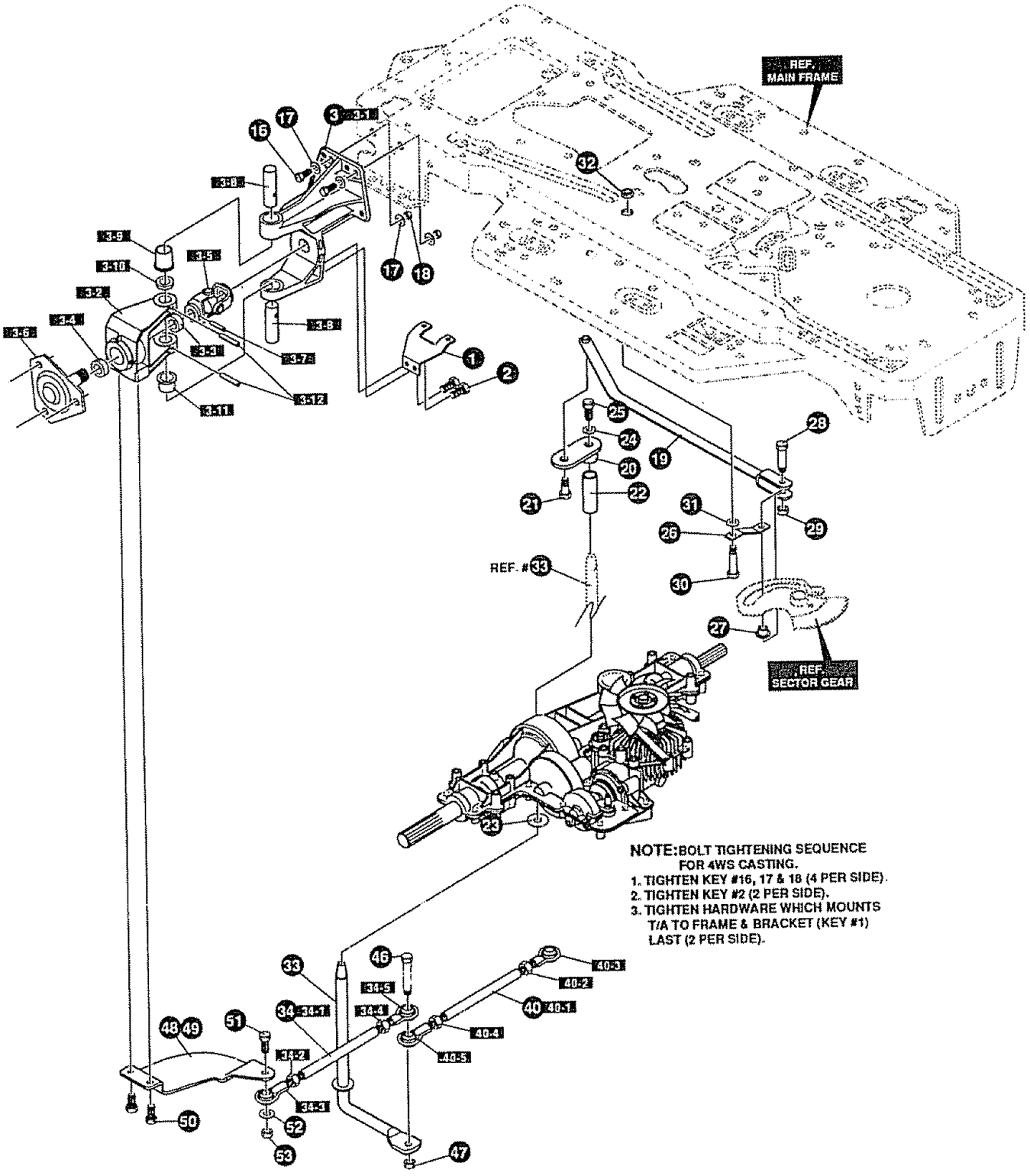
336365F

KEY#	PART#	DESCRIPTION	QTY
1	*	AXLE,FRONTASSY LONGSUS4WS	1
1-1	310170	FRONT AXLE SUSPENDED	1
1-2	52407	SPINDLE BEARING	4
1-3	318539	ASSY,SPINDLE,RH LG	1
1-4	318544	ASSY.SPINDLE,LH LG	1
1-5	36625	RING, RETEX 57X.05TRU5133-75	2
1-6	53373	AXLE COVER	2
8	304590	TIE ROD ASSY 19 81LG W-SECTION	1
9	180128	SCREW, 3/8-16X1.75 HHC	2
10	120382	WASHER, REGSPTLK.393X.68X.10	2
11	1499	NUT, 3/8-16 REGHXCTRLK	2
12	326889	ASSEMBLY SECTOR GEAR	1
13	313629	BRNG, SLEV IDX ODX	1
14	313671-853	SUPPORT,SECTOR GEAR 4WS	1
15	315196	SCREW, 1/2-20X3.00 HHC	1
16	274654	NUT, 1/2-20 REGHXCTRLK	1
17	302498	BRNG, SFAL .500IDX . ODX .75	1
19	71100	NUT, 5/16-24 HEXWDFLLK	2
20	328583	ASSEMBLY.DRAG LINK 4WS HYDRO	1
20-1	321449	DRAG LINK .625 DIA FOR 4WS	1
20-2	124925	NUT, 3/8-24 REGHEXJAM	1
20-4	272123	NUT. 7/16-20 HXJAM	1
20-5	302865	BALL JOINT 7/16-20	1
26	1499	NUT, 3/8-16 REGHXCTRLK	1
27	120396	WASHER, FLAT .531X1.06X.095	1
28	120383	WASHER, REGSPTLK 459X.78X 12	1
29	271506	NUT, 7/16-20 REGHX	1
30	318702	SHAFT,STEERING 4WS SEARS	1
31	302314	PINION,STEERING	1
32	302524	PIN DOWEL	1
33	315194	WASHER, FLAT .51X1.38X.043	1
34	2968	WASHER, FLAT .504X .75X.059	1
35	20864	RING, RET E .39X.04TRU5133-50	1
36	336363	TIRE&RIM,PU15X6 0X6 DOVER GREY	2
36-1	24167	VALVE STEM	
36-2	336364	WHEEL W/HD BEARING W/ZERK	
36-3	314416	FLANGE BEARING .753IDX1.38ODX	
36-4	316702	TIRE 15X6.0-6	
42	73840	WASHER, FLAT .765X1.12X.06	6
43	318550	SEAL. FELT 1.56 O.D.X1/8 THK	2
44	642	WASHER, FLAT .755X1.31X.075	2
45	36625	RING, RETEX .57X.05TRU5133-75	2
46	336366	HUB CAP,EURO 6" DOVER GREY 633	2
47	306669	CLIP,HUBCAP TINN #C25467-017-4	8

* ORDER INDIVIDUAL PARTS

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

REAR STEERING ASSEMBLY



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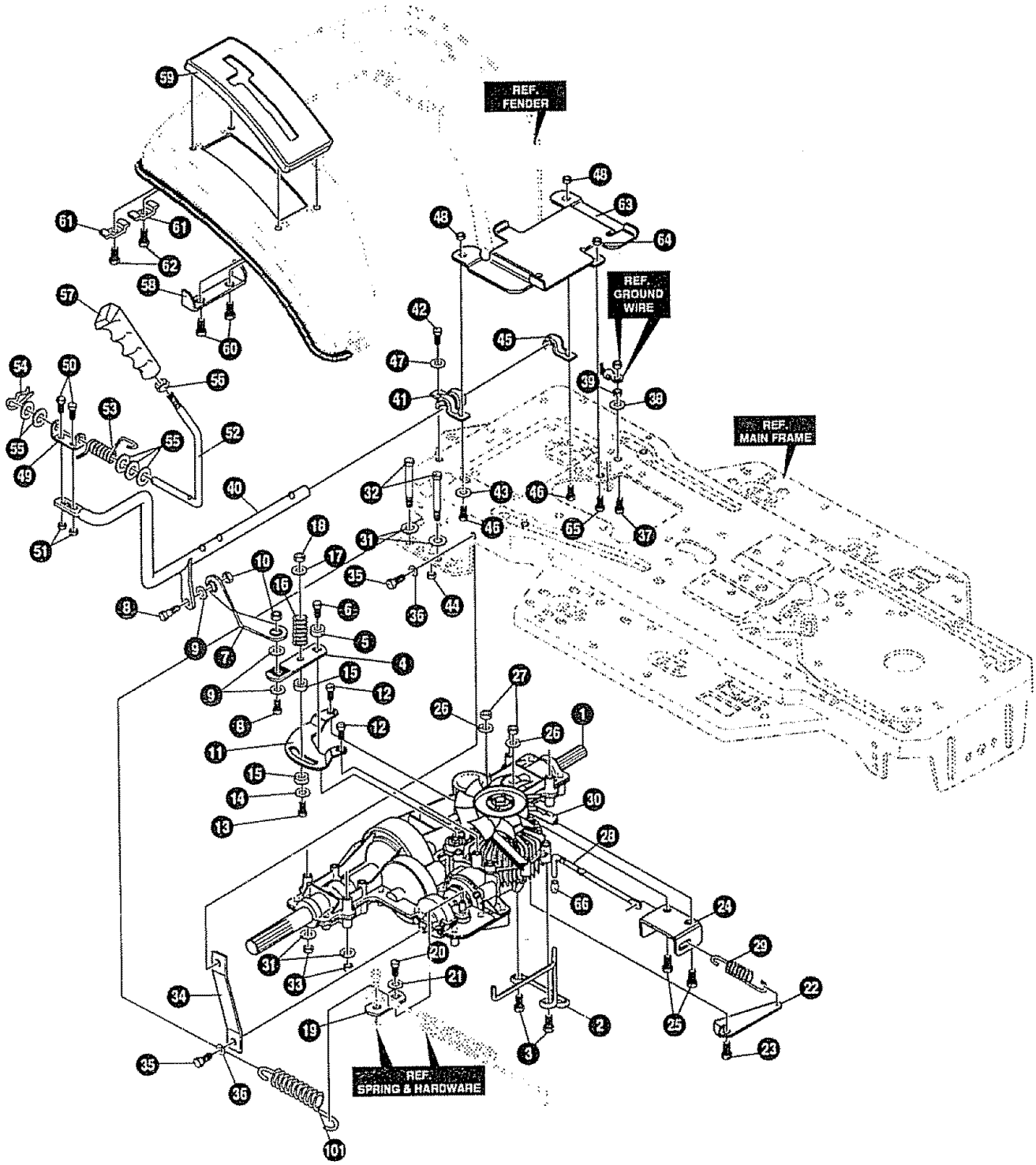
334507C

KEY#	PART#	DESCRIPTION	QTY
1	313645-853	BRKT X-AXLE MTG 4WS HYDRO	2
2	35498	SCREW, 5/16-18X .75 WAHHTAP	4
3	324359	U-JOINT, 4-WS HEAVY DUTY	2
3-1	314267	BRACKET,STEERING PIVOT DRILLED	1
3-2	315267	BRACKET,STR PIVOT 6204 BEARING	1
3-3	12325	BRNG, BALL 6203-2AA-3/4	1
3-4	315268	BRNG, BALL 6204-2AA -7/8	1
3-5	320531	U-JOINT ASSEMBLY W/ZERK (LONG)	1
3-6	315264-853	HUB ASSEMBLY HEAVY	1
3-7	36311	PIN, GROOVED .250 DIAX1.50LG	1
3-8	12289	PIN, STEERING HINGE	2
3-9	324578	BRNG, FLSH .752IDX .937ODX.75	1
3-10	21682	WASHER, FLAT .765X1.25X.042PL	1
3-11	324578	BRNG, FLSH . IDX . ODX	1
3-12	456722	PIN, SPRING.250DIAX1.50LG HVPL	2
16	180079	SCREW, 5/16-18X1.00 HHC	6
17	120393	WASHER, FLAT .344X .69X.065	14
18	1498	NUT, 5/16-18 REGHEXCTRLK	8
19	336148	BAR,DRAGLINK 4WS(D-EHYD)	1
20	308719	PIVOT, STEERING	1
21	12319	BOLT, .562X .340 HHSH 3/8-24	1
22	304115	SPACER, STEERING SHAFT	1
23	25177	WASHER, FLAT .765X1.19X.048	1
24	45602	WASHER, FLAT .333X .87X.119	1
25	421051	SCREW, 5/16-24X1.00 HHC	1
26	302594	FOLLOWER,ROLLER	1
27	304116	CAM YOKE ROLLER	1
28	304122	BOLT, .625 X1.175HHSH	1
29	274654	NUT, 1/2-20 REGHXCTRLK	1
30	324638	BOLT, .265X .980 HHSH 3/8-24	1
31	996307	WASHER, FLAT .391X1.00X.209	1
32	412349	NUT, 3/8-24 HXCTRLK	1
33	308720	SHAFT, STEERING PIVOT (ZN)	1
34	323634	TIE ROD, ASSYRH EURO 4WS&LFSTD	1
34-1	308447	ROD, TIE 1/2"D X 8.12LG	1
34-2	308399	NUT, 3/8-24 LH THD REGHJAM	1
34-3	308384	BALL JOINT LH 3/8-24	1
34-4	124925	NUT, 3/8-24 REGHEXJAM	1
34-5	304260	BALL JOINT,RH 3/8-24	1
40	323635	TIE ROD, ASSY LH	1
40-1	308446	ROD, TIE 1/2"D X 9.75LG	1
40-2	308399	NUT, 3/8-24 LH THD REGHJAM	1
40-3	308384	BALL JOINT LH 3/8-24	1
40-4	124925	NUT, 3/8-24 REGHEXJAM	1
40-5	304260	BALL JOINT,RH 3/8-24	1
46	181646	SCREW, 3/8-24X1.75 HHC	1
47	412349	NUT, 3/8-24 HXCTRLK	1
48	304120-853	ARM REAR WHL STR (FER) R H	1
49	304121-853	ARM, REAR WHEEL STEER L.H.	1
50	47792	SCREW, 3/8-16X1.00 WAHHTAP	4
51	181639	SCREW, 3/8-24X1.25 HHC	2
52	120382	WASHER, REGSPTLK.393X.68X.10	2
53	412349	NUT, 3/8-24 HXCTRLK	2

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

MOTION DRIVE ASSEMBLY



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ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

336359B

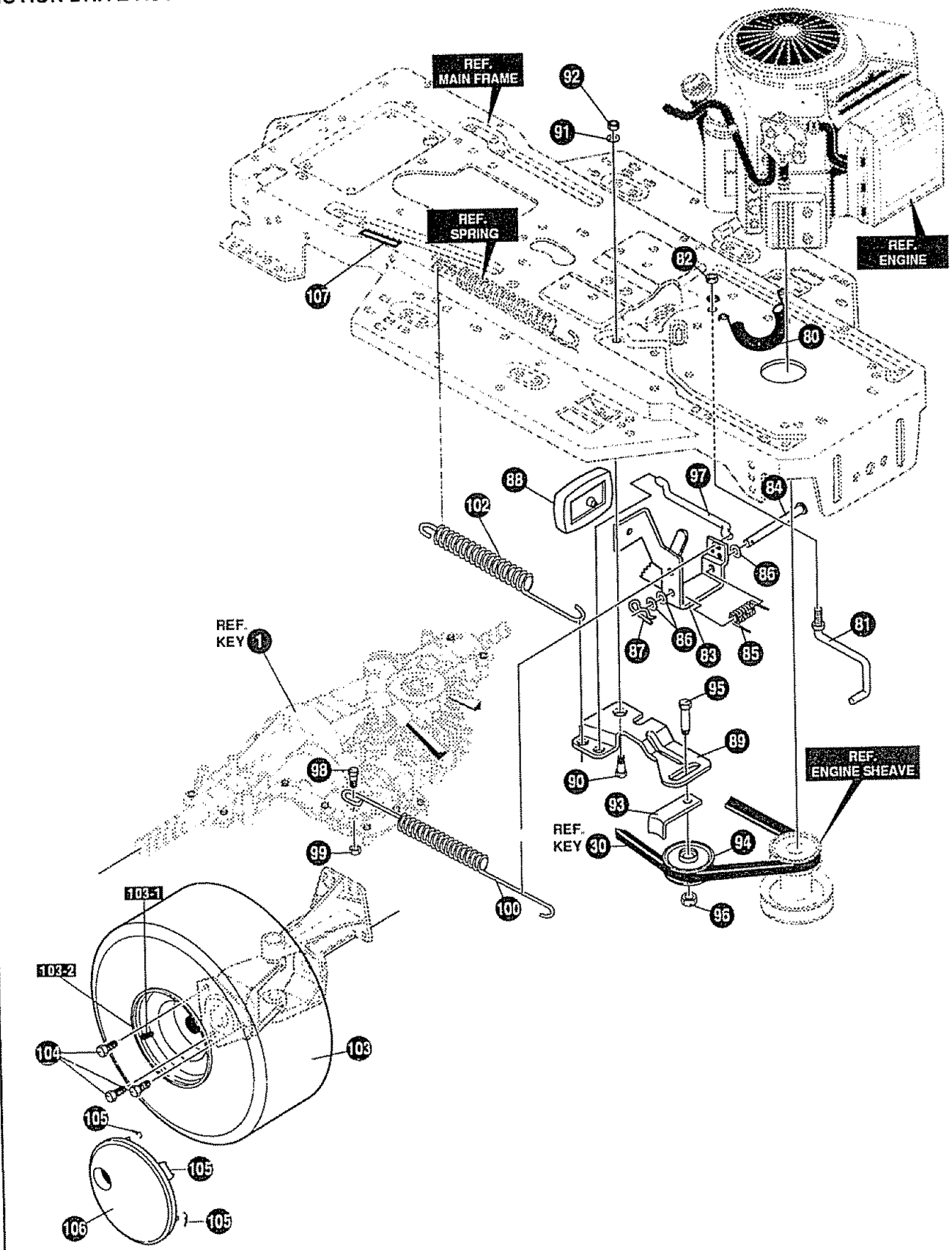
CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

KEY#	PART#	DESCRIPTION	QTY
1	*	TRANSAXLE DANA 4900HYDRO4WS	1
2	334330	BELT GUIDE	1
3	35498	SCREW, 5/16-18X .75 WAHHTAP	1
4	334051	LEVER,TRAN SHIFT LF HTTR	1
5	57157	WASHER,.750X 250 SP-TRANSAXLE	1
6	56255	SCREW, 1/4-28X .75 NYLHHC	1
7	333926	LINK, SHIFT LF DANA HYDRO	1
8	180124	SCREW, 3/8-16X1.25 HHC	2
9	120394	WASHER, FLAT .406X .81X.065	3
10	1499	NUT, 3/8-16 REGHXCTRLK	2
11	334016-853	QUADRANT, SPEED CONTROL	1
12	44811	SCREW, 1/4-20X .75 WAHHTAP	2
13	180130	SCREW, 3/8-16X2.00 HHC	1
14	845	WASHER, FLAT .390X1.25X.119	1
15	314944	WASHER, FRICTION FABOND NF343	2
16	335689	SPRING-COMP .875LONGX 0915WIRE	1
17	120394	WASHER, FLAT .406X .81X.065	1
18	1499	NUT, 3/8-16 REGHXCTRLK	1
19	323212	BRKT, LEVER S/F FND HTTR	1
20	56255	SCREW, 1/4-28X .75 NYLHHC	1
22	334122-853	LEVER, DUMP VALVE	1
23	334126	BOLT. 437X.156HHSHTAP 5/16-18	1
24	334123-853	BRACKET, DUMP VALVE.	1
25	180134	SCREW, 3/8-16X2.50 HHC	2
26	120394	WASHER, FLAT .406X .81X.065	2
27	1499	NUT, 3/8-16 REGHXCTRLK	2
28	334124	ROD, DUMP VALVE	1
29	326780	SPRING,3/8ODX2.18 X.055 TENSION	1
30	335708	BELT, V 4L 80.50 DANA HYDRO	1
31	120393	WASHER, FLAT .344X .69X 065	8
32	180113	SCREW, 5/16-18X3.00 HHC	4
33	1498	NUT, 5/16-18 REGHEXCTRLK	4
34	333959-853	BRACKET,STABILIZER	1
35	35498	SCREW, 5/16-18X .75 WAHHTAP	2
36	120638	WASHER, HVSPTLK .328X.60X 09	2
37	180077	SCREW, 5/16-18X .75 HHC	1
38	138538	WASHER, REGINTLK.320X.61X 03	1
39	1498	NUT, 5/16-18 REGHEXCTRLK	1
40	336646	LEVER,SHIFT-LWR ASSY	1
41	310347-853	CLIP- SHIFT LEVER .625 ROD	2
42	180077	SCREW, 5/16-18X .75 HHC	1
43	120393	WASHER, FLAT .344X .69X 065	1
44	1498	NUT, 5/16-18 REGHEXCTRLK	1
45	310347-853	CLIP- SHIFT LEVER .625 ROD	1
46	180077	SCREW, 5/16-18X .75 HHC	2
47	996416	WASHER. FLAT .391X1.0OX.125	1
48	1498	NUT, 5/16-18 REGHEXCTRLK	2
49	310356	BRACKET. PIVOT SHIFT LEVER	1
50	180020	SCREW, 1/4-20X .75 HHC	2
51	1502	NUT, 1/4-20 REGHEXCTRLK	2
52	318452	LEVER, SHIFT UPPER SOF 1/2-13	1
53	318451	SPRING, TORS. .56X.95X 095	1
54	8260	PIN, HAIR .091 DIAX1.66LG	1
55	2968	WASHER, FLAT .504X .75X 059	5
56	120238	NUT, 1/2-13 HEXJAM	1
57	306690	HANDLE 1/2-13 MOLDED.	1
58	311257-853	BRACKET COVER - FNDR SHIFT	1
59	314244	COVER PLASTIC HYDRO	1
60	311331	SCREW. 1/4-15X 44/.53 HILOHHWA	2
61	1341	CLAMP, SPRG 1 17"ID	2
62	311331	SCREW, 1/4-15X.44/ 53 HILOHHWA	2
63	335242-853	SHELF - BATTERY	1
64	1502	NUT, 1/4-20 REGHEXCTRLK	1
65	180020	SCREW, 1/4-20X .75 HHC	1
66	335980	CAP, DUMP VALVE ROD 25IDX 75RED	1

* SEE DANA TRANAXLE BREAKDOWN IN MANUAL

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

MOTION DRIVE ASSEMBLY



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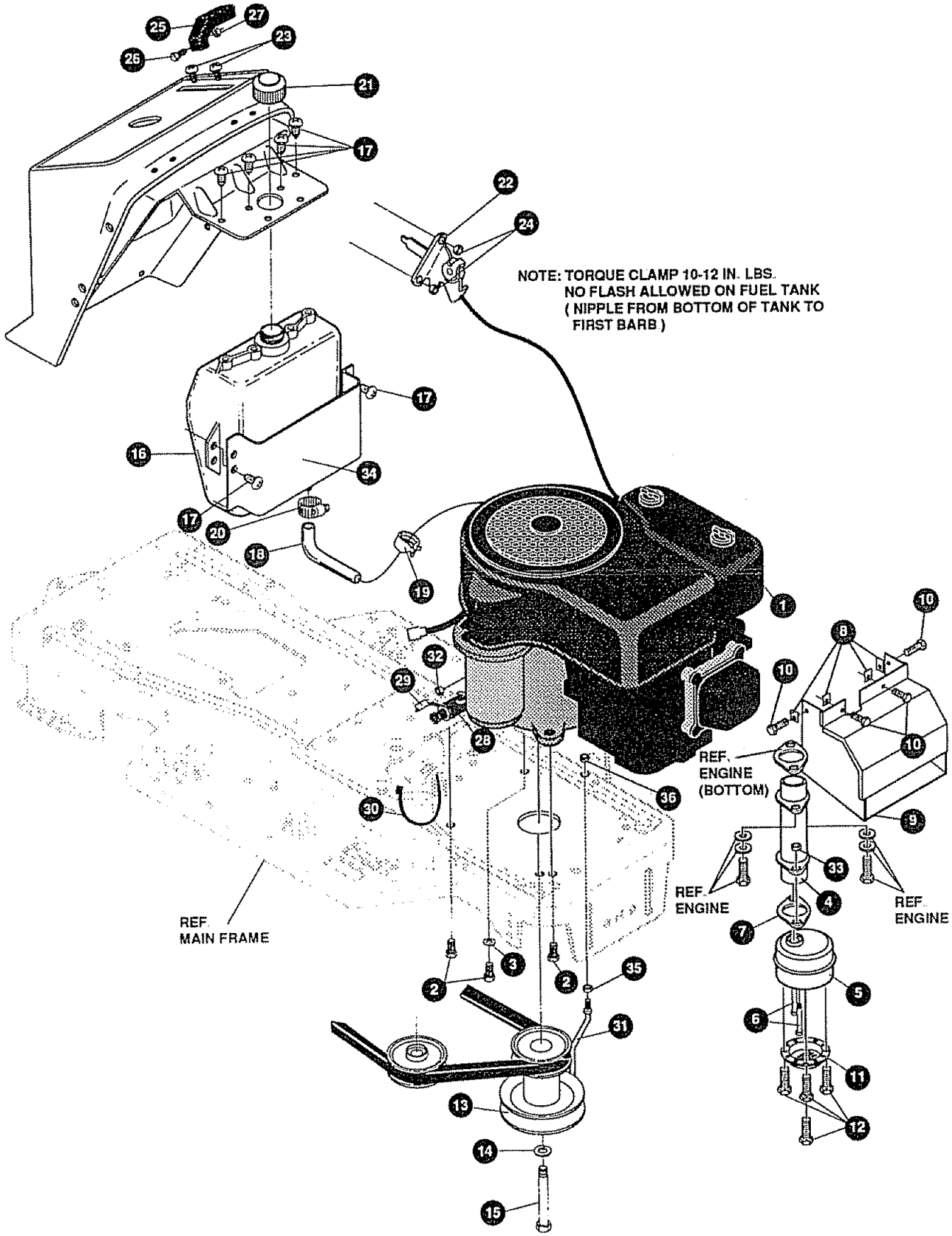
ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

336359B

KEY#	PART#	DESCRIPTION	QTY
80	321514	SPRING, DRAG LINK BIAS	1
81	304016	GUIDE, BELT R.H.	1
82	1498	NUT, 5/16-18 REGHEXCTRLK	1
83	325942	PEDAL ASSY,BRAKE/CLUTCH	1
84	319675	PIN, CLEVIS .500DX4.53LG	1
85	57847	SPRING, BRAKE PEDAL	1
86	2968	WASHER, FLAT .504X .75X.059	3
87	56180	PIN, HAIR .091 DIAX1.62LG	1
88	48160	PAD, CLUTCH BRAKE W/PRINTING	1
89	335656	ARM,IDLER TRACTION	1
91	45602	WASHER, FLAT .333X .87X.119	1
92	1498	NUT, 5/16-18 REGHEXCTRLK	1
93	39659	RETAINER, BELT	1
94	35374	PULLEY, IDLER V4L 3.06X .62	1
95	45892	BOLT, 3/8-16X1.50 CARRSN	1
96	1499	NUT, 3/8-16 REGHXCTRLK	1
97	57204	ROD, CLUTCH 3.92"	1
98	326131	BOLT, .495X.31 HHSH5/16-18	1
99	1498	NUT, 5/16-18 REGHEXCTRLK	1
100	334175	SPRING,BRAKE 25.88 LF DANAHYD	1
101	334382	SPRING .071 X .62 X 9.00	1
102	325123	SPRING,CLUTCH 16.01X750X6.88	1
103	336360	TIRE & RIM, PU 20X10X8 DOVER GREY 633	2
	319686	TIRE 20X10-8 DURO	
103-1	24167	VALVE STEM	
103-2	336361	RIM, WHEEL	
104	181683	SCREW, 1/2-20X .50 HHC	6
105	306669	CLIP,HUBCAP TINN #C25467-017-4	10
106	336362	HUB CAP,8" EURO DOVER GREY 633	2

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

ENGINE & CONTROL ASSEMBLY



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WITH OPPOSITE SIDE

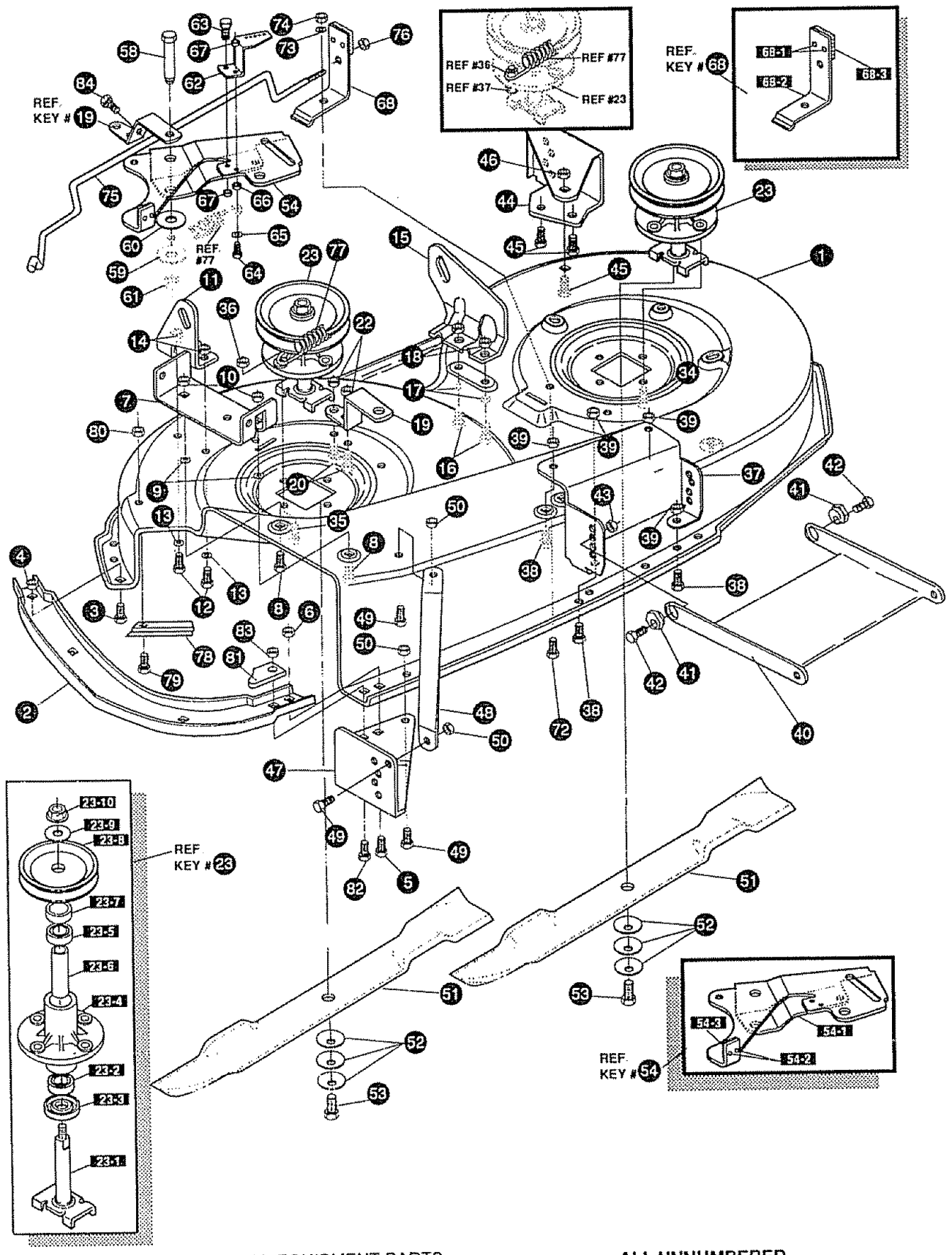
336186A

KEY#	PART#	DESCRIPTION	QTY
1	*	ENGINE,16.5HP	1
2	50947	SCREW, 3/8-16X1 25 WAHHTAPBLKP	4
3	138489	WASHER, EXLK .384X.69X.04	1
4	331074	MUFFLER ADAPTOR	1
5	331073	MUFFLER-ASSEMBLY	1
	336967	SPARK ARRESTER	
6	190628	SCREW, 5/16-18X4.50 HHC	2
7	46708	GASKET, MUFFLER	1
8	328685	TINNERMAN CLIP C8114-1024-4	4
9	331837-853	HEAT SHIELD WELD ASSEMBLY	1
10	274707	SCREW, 10-24X .50 WAHHMA	4
11	306274	DEFLECTOR,EXHAUST,LOUVERED	1
12	35287	SCREW, #8-32X .38 HHWATAP	4
13	335089	PULLEY,ENG 4.60DX4.0LGX5.5D	1
14	120383	WASHER, REGSPTLK.459X.78X.12	1
15	433146	SCREW, 7/16-20X4.25 HHC BLK PH	1
16	314992	TANK, FUEL 2 GAL CLEAR	1
17	49050	SCREW, 1/4-10X .75PHPNTAP	6
18	48252	TUBING, .25X.50X BULK GAS LINE	7
19	336890	CLAMP, FUEL LINE	1
20	336890	CLAMP, FUEL LINE	1
21	46704	CAP, GAS 1-1/2-7 THD BLK	1
22	329148	THROTTLE,CONTROL	1
23	320553	SCREW, 10-24X.63PHPNMA CRSS	2
24	308459	NUT, #10-24 HXHDNYLK	2
25	300508	KNOB,THROTTLE CONTROL	1
26	159585	SCREW, #8-32X .38 PHPNMA	1
27	120622	NUT, #8-32 REGHX	1
28	325547	OIL DRAIN VALVE ASSEMBLY	1
29	327422	CAP,OIL DRAIN VALVE ASM.YELLOW	1
30	57444	TIE, CABLE BLACK NYLON 5.62L	2
31	327376	GUIDE,BELT SHORT 15" WHEEL	1
32	124818	NUT, 1/4-20 REGHXJAM	1
33	1498	NUT, 5/16-18 REGHEXCTRLK	2
34	301087-853	SHIELD, HEAT GAS TANK	1
35	271190	NUT, 3/8-16 HEXKEPS	1
36	124824	NUT, 5/16-18 HEXJAM	1

* SEE ENGINE PARTS PAGE IN THIS MANUAL

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

PRE-PAINTED DECK ASSEMBLY



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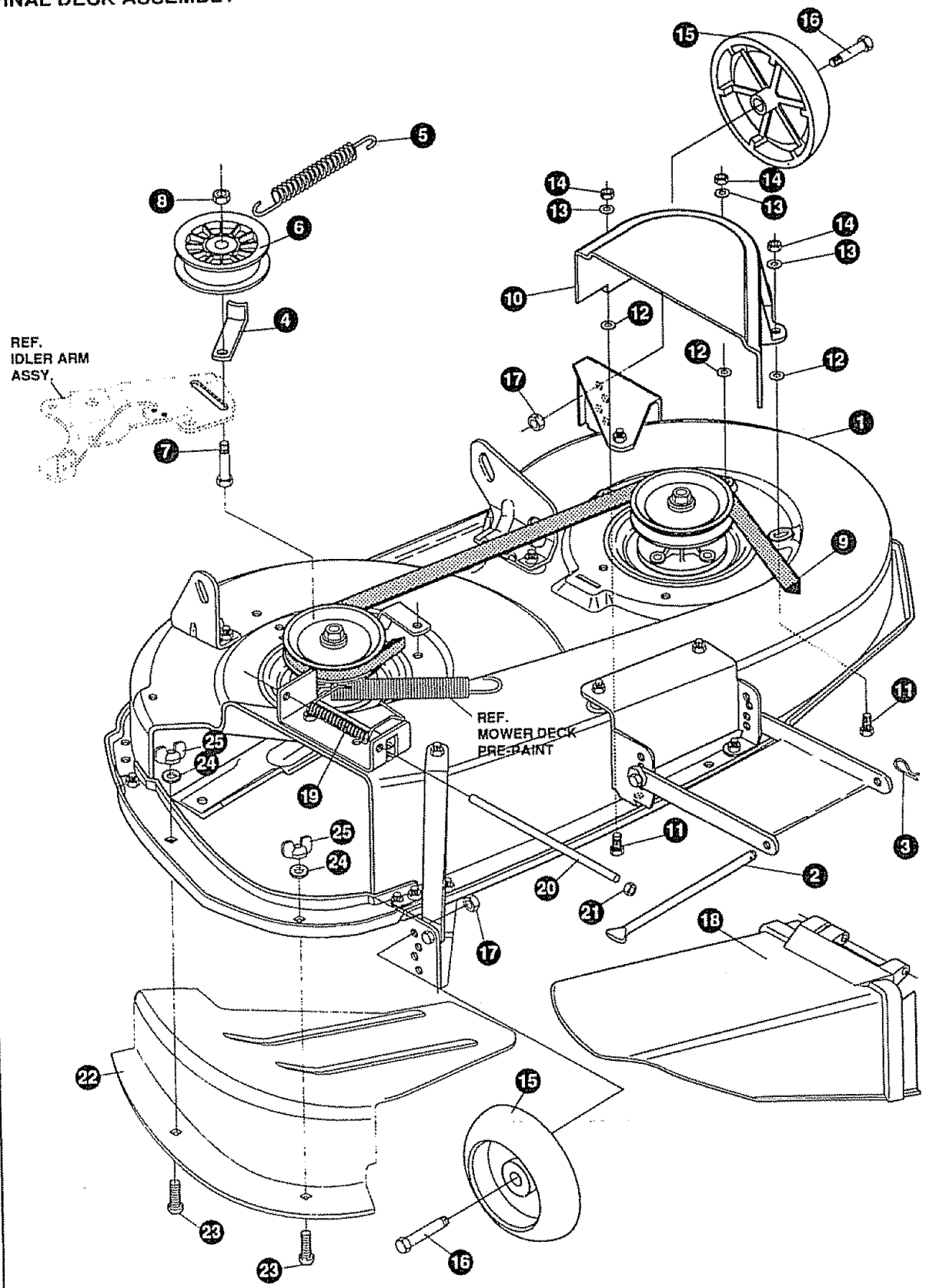
327957 D

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

KEY#	PART#	DESCRIPTION	QTY
1	325116	43" DECK KIT	1
2	326480-853	TOE GUARD - MULCHER	1
3	180077	SCREW, 5/16-18X .75 HHC	1
4	1498	NUT, 5/16-18 REGHEXCTRLK	1
5	180077	SCREW. 5/16-18X .75 HHC	1
6	1498	NUT, 5/16-18 REGHEXCTRLK	1
7	317017	BRACKET CHUTE MOUNT BLACK	1
8	180077	SCREW, 5/16-18X .75 HHC	2
9	120393	WASHER, FLAT .344X .69X.065	2
10	1498	NUT, 5/16-18 REGHEXCTRLK	2
11	313929	LIFT BRACKET, REAR RH BLK 853	1
12	180077	SCREW, 5/16-18X .75 HHC	2
13	120393	WASHER, FLAT .344X .69X.065	2
14	1498	NUT, 5/16-18 REGHEXCTRLK	2
15	310667	BRACKET,DECK LIFTREAR LHBLK	1
16	180077	SCREW, 5/16-18X .75 HHC	2
17	120393	WASHER, FLAT .344X .69X.065	2
18	1498	NUT, 5/16-18 REGHEXCTRLK	2
19	326893-853	BRACE IDLER SUPPORT 40",43"	1
20	180077	SCREW, 5/16-18X .75 HHC	2
22	44108	NUT, 5/16-18 HWDFLCTRLK	2
23	56424-853	QUILL ASSY, 36/39/40/43	2
23-1	56425	SHAFT/SADDLE 36"	1
23-2	49562	BEARING, BALL 6203-2AA(SEALS)-C3	1
23-3	50616	DUST SHIELD	1
23-4	55547	QUILL CASTING (1046)	1
23-5	49562	BEARING, BALL 6203-2AA(SEALS)-C3	1
23-6	50818	SPACER, SLEV .669X .88X3.797	1
23-7	51449	SPACER, SLEV .672X .93X .438PM	1
23-8	313898	PULLEY ASSY	1
23-9	56365	WASHER, SPECIAL QUILL	1
23-10	1282	NUT, 7/16-20 WDFLLK	1
34	35498	SCREW, 5/16-18X .75 WAHHTAP	7
35	300345	SCREW, 5/16-18X1.38 WAHHTAP	1
36	1498	NUT, 5/16-18 REGHEXCTRLK	1
37	317040	BRACKET FRT BLACK	1
38	180077	SCREW, 5/16-18X .75 HHC	4
39	1498	NUT, 5/16-18 REGHEXCTRLK	4
40	58305-853	BRACKET.LINK DECK FRONT	1
41	58247	NUT, ADJUST	2
42	180079	SCREW, 5/16-18X1.00 HHC	2
43	1498	NUT, 5/16-18 REGHEXCTRLK	2
44	317041	BRACKET, GAUGE WHEEL LH BLACK	1
45	180077	SCREW, 5/16-18X .75 HHC	3
46	1498	NUT, 5/16-18 REGHEXCTRLK	3
47	322464-853	BRACKET,GAGE WHEEL R.H FRNT	1
48	314282-853	BRACKET,STABILIZER	1
49	180077	SCREW, 5/16-18X .75 HHC	2
50	1498	NUT, 5/16-18 REGHEXCTRLK	3
51	330278	BLADE,21 70 MULCHING BLK	2
52	2483	WASHER,.39IDX1 25DX.07 BELLVIL	6
53	47665	SCREW. 3/8-24X1.25NYLHHC	2
54	320576-853	IDLER ARM ASSEMBLY	1
54-1	322116-853	ARM IDLER 40/43"DECK	1
54-2	41601	RIVET, OVSET .187DIAX .50LG ST	2
54-3	306973	BRAKE PAD - HARD - 232AF	1
58	304420	BOLT, .500X2.15 HHSH	1
59	996416	WASHER. FLAT .391X1.0OX.125	1
60	996307	WASHER, FLAT .391X1.00X.209	1
61	45171	NUT, 3/8-16 HWDFL WHIZ-LOCK	1
62	326249-853	BRACKET. EXTENSION IDLER	1
63	180077	SCREW, 5/16-18X .75 HHC	1
64	180083	SCREW, 5/16-18X1.50 HHC	1
65	446363	WASHER, FLAT .375X .88X.082	1
66	271184	NUT, 5/16-18 HEXKEPS	1
67	1498	NUT, 5/16-18 REGHEXCTRLK	2
68	321828	BLADE BRAKE ASSY	1
68-1	135624	RIVET, TRSET .185DIAX .41LG ST	2
68-2	304119-853	BRAKE ARM	1
68-3	306973	BRAKE PAD - HARD - 232AF	1
72	180077	SCREW, 5/16-18X .75 HHC	1
73	120393	WASHER, FLAT .344X .69X.065	1
74	1498	NUT, 5/16-18 REGHEXCTRLK	1
75	314079	ROD, BRAKE	1
76	1502	NUT, 1/4-20 REGHEXCTRLK	1
77	35410	SPRING .071 X .62 X 4.37	1
78	327570-853	KICKER, MULCHER 40"/43"DECK	1
79	126216	BOLT, 5/16-18X .75 CARRLN	1
80	1498	NUT, 5/16-18 REGHEXCTRLK	1
81	327280-853	BRACKET MOWER CHUTE	1
82	180081	SCREW, 5/16-18X1.25 HHC	1
83	1498	NUT, 5/16-18 REGHEXCTRLK	1
84	308231	SCREW. 1/4-20X1 25 HHWATAP	1

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

FINAL DECK ASSEMBLY



NOTE: ALWAYS USE ORIGINAL EQUIPMENT PARTS. Use of service/replacement parts other than original equipment parts may void your warranty.

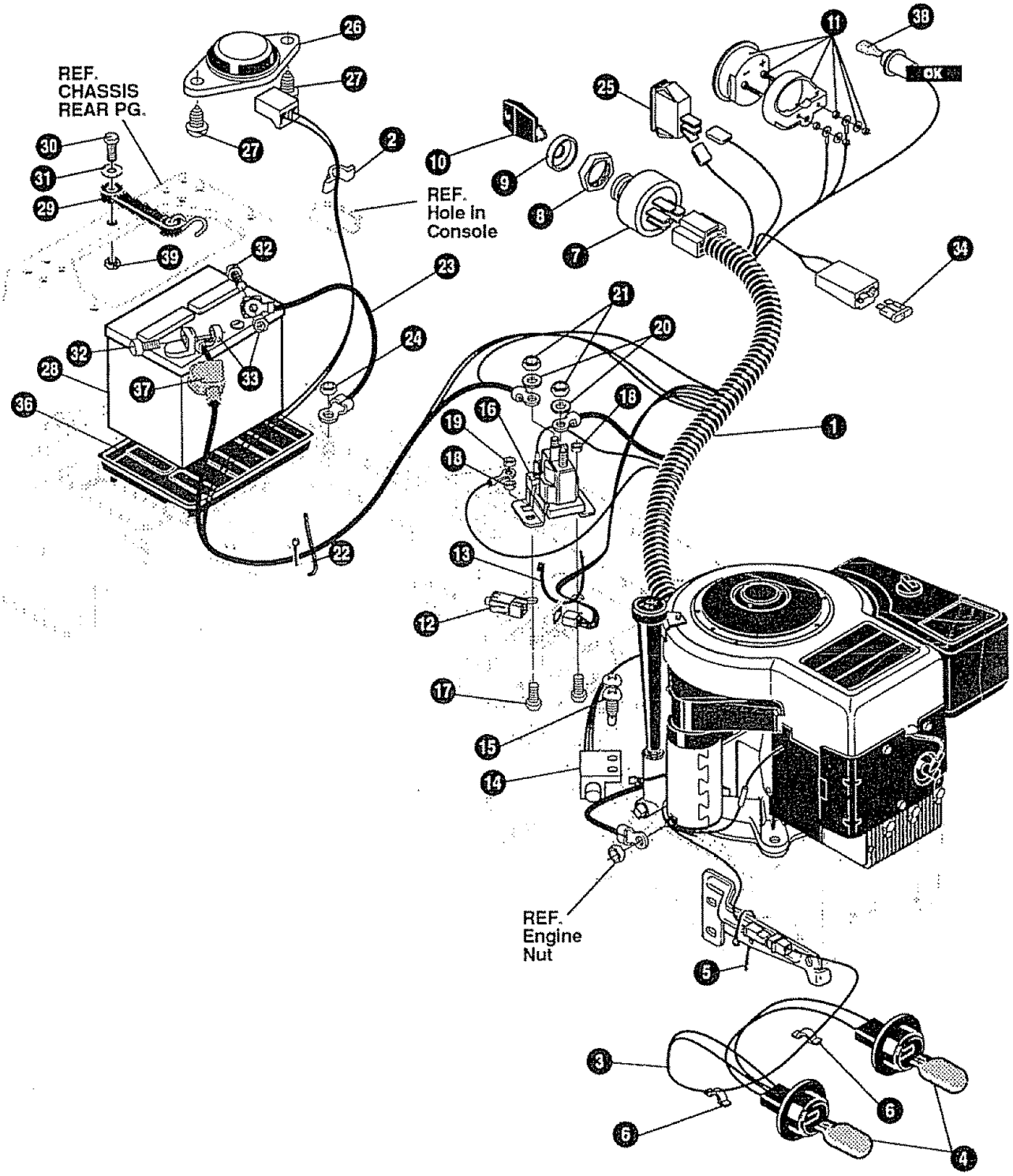
ALL UNNUMBERED ITEMS ARE INTERCHANGEABLE WITH OPPOSITE SIDE

327958 D

KEY#	PART#	DESCRIPTION	QTY
1	329036	DECK,43"MULCHING MOWER DOM	1
2	58306	ROD, DECK HITCH	1
3	8260	PIN, HAIR .091 DIAX1 66LG	1
4	1346	RETAINER, BELT	1
5	314107	SPRING,TENSION 5.00LG+17LB/IN	1
6	310326	PULLEY, IDLER BFF 4.00 WIDE FL	1
7	126416	BOLT, 3/8-16X1.75 CARRLN	1
8	45171	NUT, 3/8-16 HWDFL WHIZ-LOCK ZN	1
9	314108	BELT, V 5L 86.00 KEVLAR	1
10	333073	GUARD, BELT LH PLASTIC	1
11	126216	BOLT. 5/16-18X .75 CARRLN	3
12	309436	PUSHNUT. 5/16 BOLT RETAINER	3
13	120393	WASHER, FLAT .344X .69X.065	3
14	1498	NUT, 5/16-18 REGHEXCTRLK	3
15	302611	GAUGE WHEEL, 6.00ODX1.38WD	2
16	23763	BOLT, .500X1.390 HHSH 3/8-16	2
17	1499	NUT, 3/8-16 REGHXCTRLK	2
18	304422	CHUTE DEFLECTOR 40",42"&43"	1
19	314975	SPRING,TORSION CHUTE DEFLECTOR	1
20	304424	ROD,PIVOT DECK .312DX7.25	1
21	3535	NUT, PUSH ON CAP .312 OD	1
22	326369-853	MULCHER PLUG 43"DECK	1
23	126216	BOLT, 5/16-18X .75 CARRLN	2
24	138485	WASHER. EXLK .320X.61X.03	2
25	327457	NUT, WING 5/16 - 18	2

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

ELECTRICAL ASSEMBLY



NOTE: ALWAYS USE ORIGINAL EQUIPMENT PARTS
Use of service/replacement parts other than original equipment parts may void your warranty

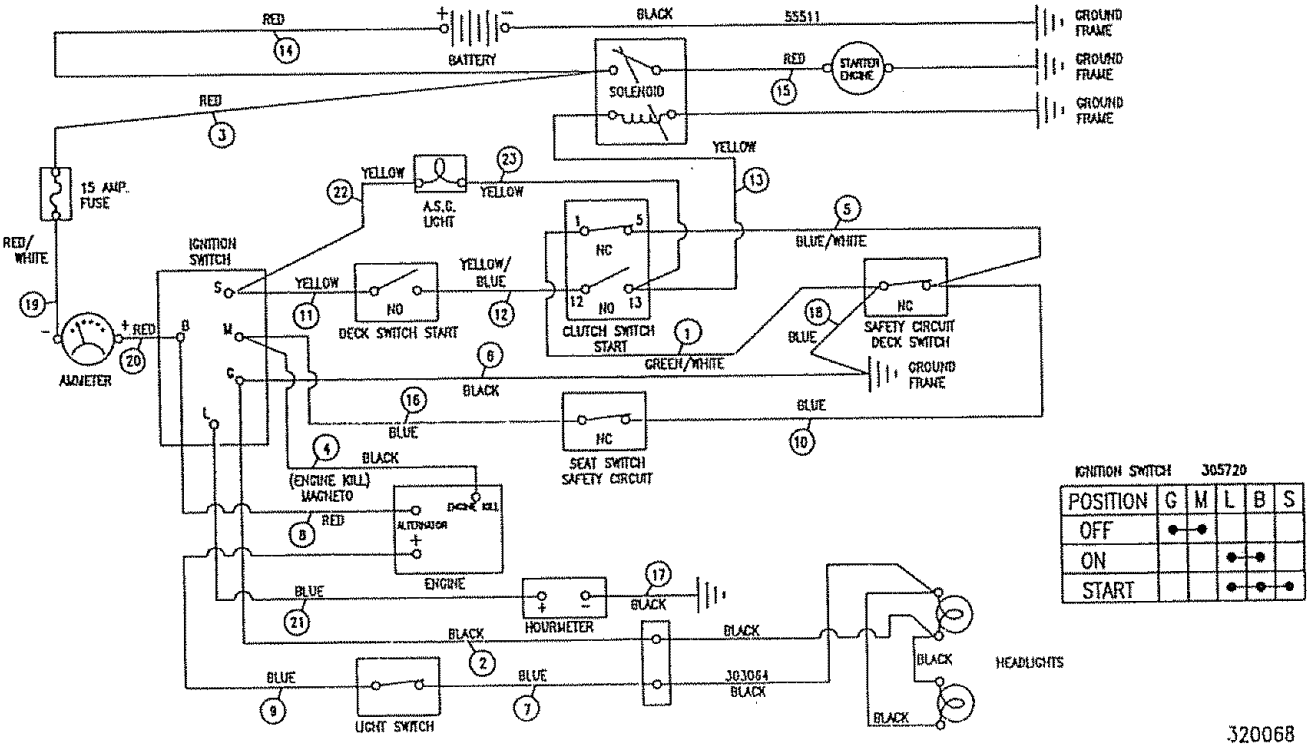
ALL UNNUMBERED
ITEMS ARE INTERCHANGEABLE
WITH OPPOSITE SIDE

336358A

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

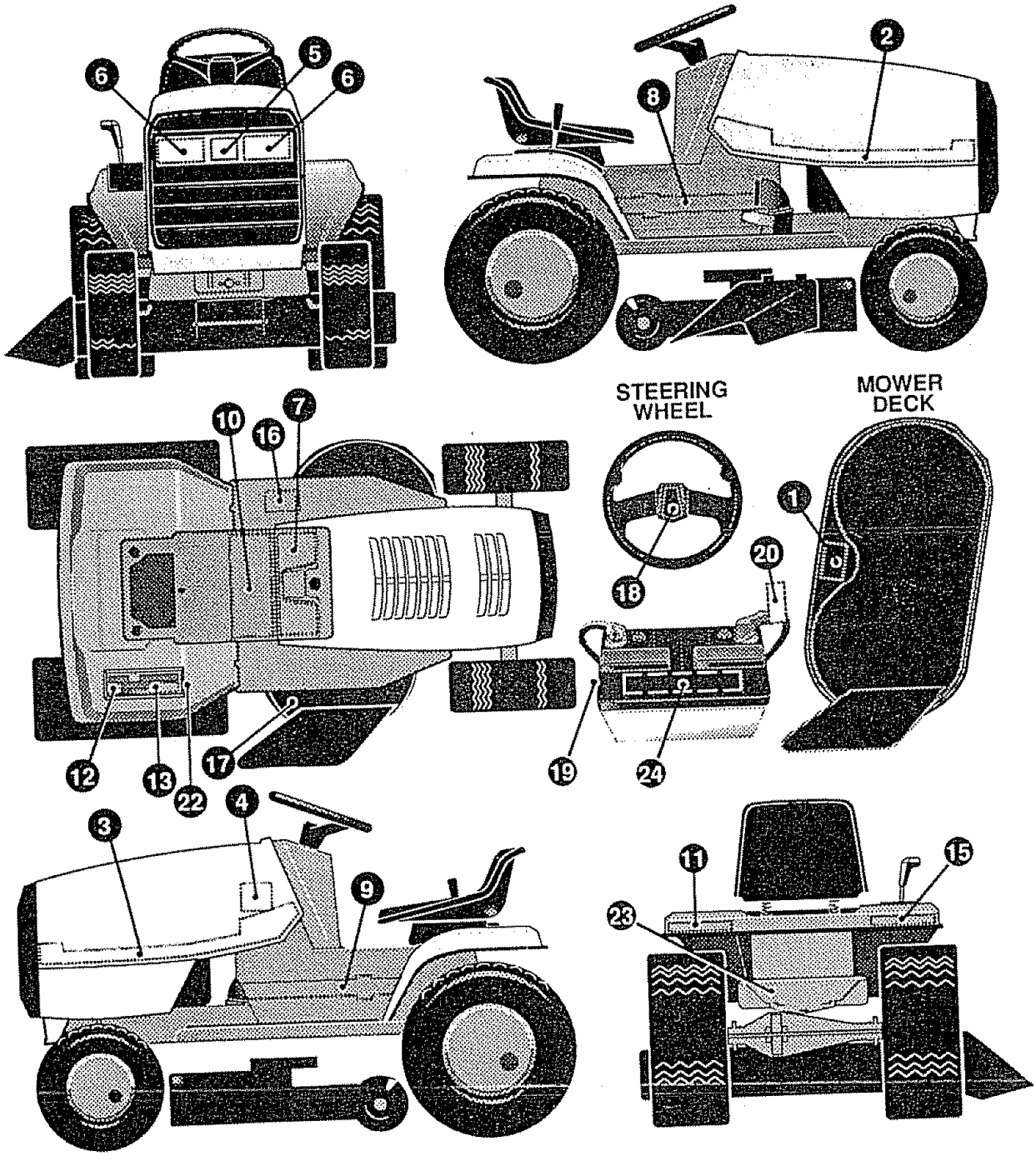
KEY#	PART#	DESCRIPTION	QTY
1	320068	HARNESS 12-12.5BS,WRAP	1
2	41482	PRESS CLIP,1.380LG .255ID	2
3	303064	ASSY,LIGHT WIRE-1/4 TURN	1
4	52572	BULB, HEADLAMP	2
5	57444	TIE, CABLE BLACK NYLON 5 62L	1
6	41482	PRESS CLIP,1.380LG .255ID	2
7	327355	SWITCH-IGN.(AFTER FIRE) 3 POSN	1
8	327352	NUT, 5/8-8ACME DELTA FOR BOOT	1
9	300194	BOOT, IGNITION SWITCH	1
10	327350	KEY,IGNITION SWITCH MLD.DELTA	2
11	315902	AMMETER ASSY=>309373,121685	1
12	320082	SWITCH,DOUBLE POLE NO/NC GRAY	1
13	57444	TIE, CABLE BLACK NYLON 5.62L	2
14	57476	SWITCH,SCR MNT DP NC NO BLK	1
15	57220	SCREW, #12 X .50 PHPNHTAP BLK	2
16	53716	SOLENOID	1
17	187745	SCREW, 1/4-20X .75 HXSEMMA	2
18	1502	NUT, 1/4-20 REGHEXCTRLK	2
19	271172	NUT, 1/4-20 REGHEXKEPS	1
20	138485	WASHER, EXLK .320X.61X.03	2
21	120368	NUT, 5/16-24 REGHEX	2
22	57444	TIE, CABLE BLACK NYLON 5 62L	1
23	55511	WIRE, GROUND, 12.5"	1
24	271184	NUT, 5/16-18 HEXKEPS	1
25	300334	LIGHT SWITCH ON/OFF PANEL MNT	1
26	57547	SWITCH. SEAT	1
27	160505	SCREW, 1/4-20X .38PHPNHMA	2
28	92691	BATTERY,8 PLATE MAINT. FREE	1
29	57505	RUBBER STRAP	1
30	180022	SCREW, 1/4-20X1.00 HHC	1
31	120392	WASHER, FLAT .281X.63X.065	1
32	180020	SCREW, 1/4-20X .75 HHC	2
33	271172	NUT, 1/4-20 REGHEXKEPS	2
36	91895	TRAY - BATTERY	1
37	335417	BOOT, BATTERY MURRAY #54148	1
38	57769	BULB, INDICATOR	1
39	1502	NUT, 1/4-20 REGHEXCTRLK	1

WIRING SCHEMATIC



CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

DECALS



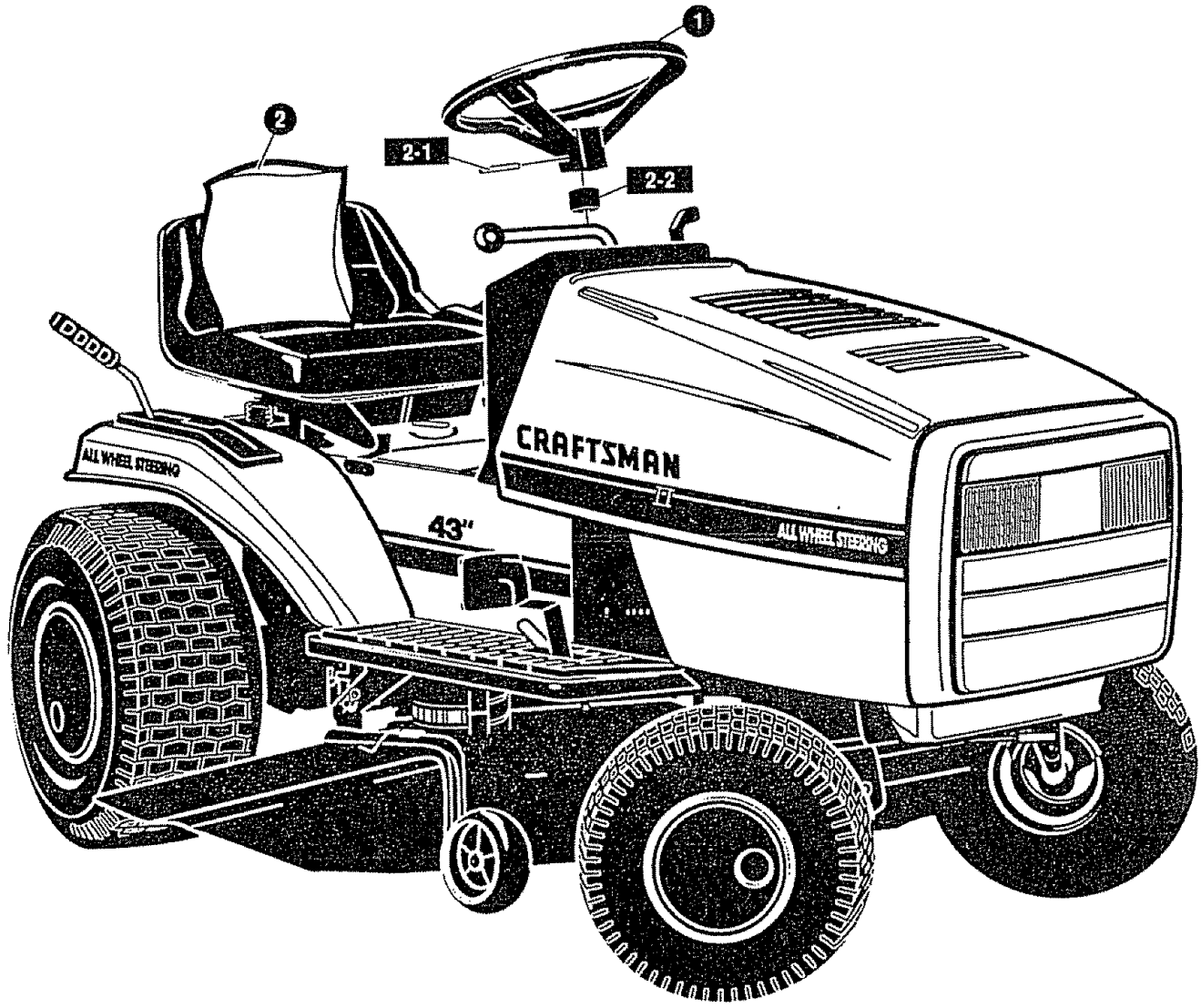
336705B

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

KEY#	PART#	DESCRIPTION	QTY
1	322896	DECAL, V-BELT SCHEMATIC, MOWER	1
2	402758	DECAL. CRAFTSMAN II HOOD RH	1
3	402759	DECAL, CRAFTSMAN II HOOD LH	1
4	322898	DECAL. CUSTOMER RESPONSIBILITY	1
5	402756	DECAL, GRILLE SEARS HYDRO	1
6	322909	DECAL. REFLECTOR, GRILLE	2
7	402764	DECAL, DASH CRAFTSMAN HYDRO	1
8	402762	DECAL. CONSOLE HYDRO 43" RH	1
9	402763	DECAL. CONSOLE HYDRO 43" LH	1
10	402765	DECAL, CONSOLE TOP CAUTION SRS	1
11	402757	DECAL, CRAFTSMAN WHITE FENDER	1
12	402739	DECAL, SHIFTER HYDRO REV/NEU.	1
13	402738	DECAL, SHIFTER HYDRO FORWARD	1
15	402761	DECAL. ALL WHEEL STEERING WHI	1
16	322897	DECAL. V-BELT SCHEMATIC, DRIVE	1
17	402157	DECAL, 3 'N' 1 MOWER DECK.	1
18	402760	DECAL. STEERING WHEEL SEARS	1
19	402788	DECAL, BATTERY REQD, SR#D	1
20	324043	DECAL, BATTERY REQD, SR#C	1
22	402740	DECAL, HYDRO/AUTOMATIC	1
23	335197	DECAL, AUTOMATIC DRIVE DISCON.	1
24	336865	DECAL, BATTERY REQD, DANGER	1

CRAFTSMAN 43" LAWN TRACTOR MODEL 536.252570

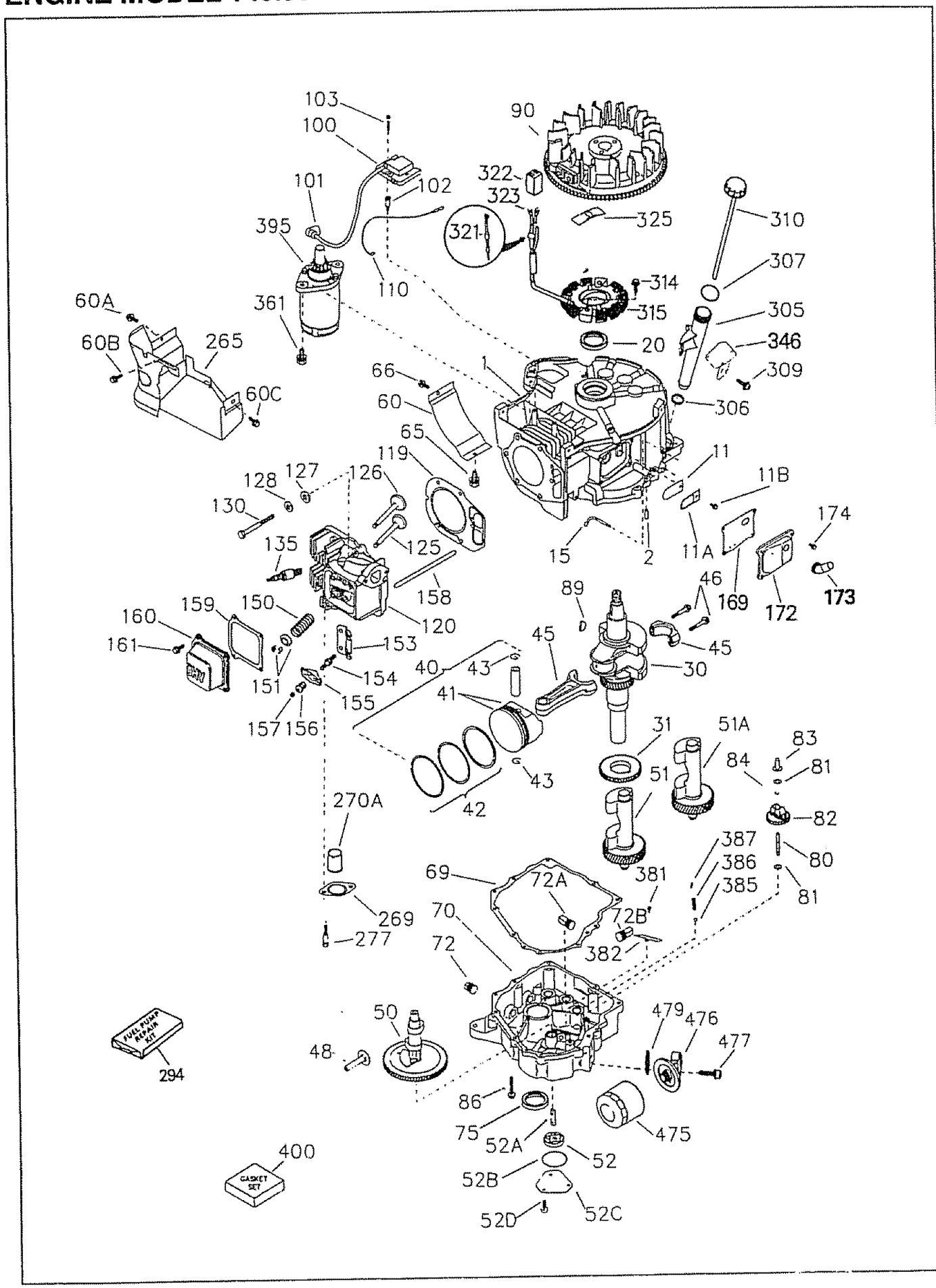
CUSTOMER ASSEMBLY



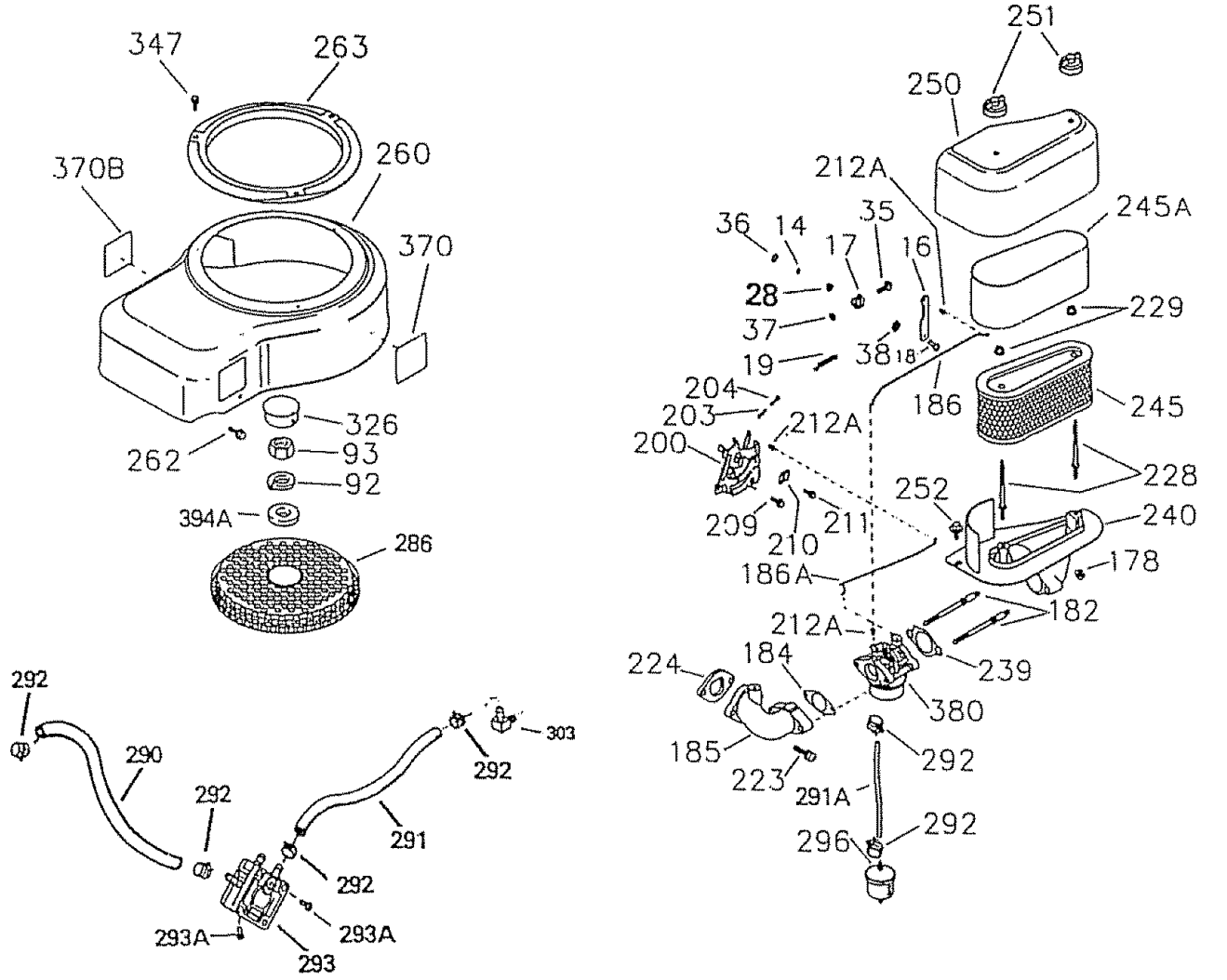
KEY#	PART#	DESCRIPTION	QTY
1	330848	WHEEL,STEERING 14"LONG HUB	1
2		PARTS BAG,ASM.SEAT/14"EURO	1
2-1	456378	PIN, SPRING.250DIAX2 00LG HVPL	1
2-2	301413	SPACER. STEERING SHAFT	1

336370A

ENGINE MODEL 143.951602 FOR 43" TRACTOR MODEL 536. 252570



ENGINE MODEL 143.951602 FOR 43" TRACTOR MODEL 536. 252570



ENGINE MODEL 143.951602 FOR 43" TRACTOR MODEL 536. 252570

REF. NO.	PART NO.	PART NAME
1	36511A	Cylinder (Incl. 2,11B,20,72B & 314)
2	27652	Dowel Pin
11	36302	Check Valve
11A	36303	Breather Plate
11B	650902	Screw, 10-32 x 7/16"
14	28277	Washer
15	36307	Governor Rod
16	36346	Governor Lever (Incl. 212A)
17	29916	Governor Lever Clamp
18	650548	Screw, 8-32 x 5/16"
19	36414	Extension Spring
20	36301	Oil Seal
28	30322	Lock Nut, 8-32
30	36512	Crankshaft
31	36515	Counterbalance Gear
35	29826	Screw, 10-32 x 3/4"
36	29918	Lock Washer
37	29216	Lock Nut, 10-32
38	29642	Retaining Ring
40	36309	Piston, Pin & Ring Set (Std.)
40	36310	Piston, Pin & Ring Set (.010" OS)
40	36311	Piston, Pin & Ring Set (.020" OS)
41	36312	Piston & Pin Ass'y. (Std.) (Incl. 43)
41	36313	Piston & Pin Ass'y. (.010" OS) (Incl. 43)
41	36314	Piston & Pin Ass'y. (.020" OS) (Incl. 43)
42	36315	Ring Set (Std.)
42	36316	Ring Set (.010" OS)
42	36317	Ring Set (.020" OS)
43	35772	Piston Pin Retaining Ring
45	36318	Connecting Rod Ass'y. (Incl. 46)
45	36319	Connecting Rod Ass'y. (.010" US) (Incl. 46)
45	36320	Connecting Rod Ass'y. (.020" US) (Incl. 46)
46	650908	Connecting Rod Bolt
48	36321	Valve Lifter
50	36533	Camshaft (MCR)
51	36513	Counterbalance Weight
51A	36514	Counterbalance Weight
52	36332	Oil Pump Ass'y.
52A	36331	Oil Pump Shaft
52B	*36333	"O" Ring
52C	36334	Oil Pump Cover (Incl. 52B)
52D	650888	Screw, 1/4-20 x 43/64"
60	36361	Air Baffle
60A	650781	Screw, 5/16-18 x 11/16"
60B	650867	Screw, 10-24 x 1/2"
60C	650737	Screw, 1/4-20 x 1/2"
65	30063	Screw, Torx T-30, 1/4-20 x 1/2"
66	650737	Screw, 1/4-20 x 1/2"
69	*36565	Mounting Flange Gasket
70	36595	Mounting Flange (Incl. 72,72B,75,80,381 -387)
72	31927	Oil Drain Plug
72A	28483	Oil Drain Plug
72B	28534	Pipe Plug
75	36301	Oil Seal
80	35712	Governor Shaft
81	35479	Washer
82	36327	Governor Gear Ass'y.
83	35322	Governor Spool
84	29193	Retaining Ring
86	650970	Screw, 1/4-20 x 1-15/32"
89	650592	Flywheel Key
90	611182	Flywheel
92	650666	Lock Washer
93	650594	Flywheel Nut
100	36344	Solid State Ignition (Incl. 101)
101	610118	Spark Plug Cover
102	650872	Solid State Mounting Stud
103	650814	Screw, Torx T-15, 10-24 x 1"
110	36384	Ground Wire
119	*36337	Cylinder Head Gasket
120	36488	Cylinder Head
125	35308	Exhaust Valve (Std.)
125	35433	Exhaust Valve (1/32" OS)
126	35309	Intake Valve (Std.)
126	35432	Intake Valve (1/32" OS)
127	650691	Washer
128	650690	Belleville Washer
130	650946	Screw, 5/16-18 x 2-45/64"
135	34645	Resistor Spark Plug (RN4C)
150	33507	Valve Spring
151	33508	Valve Spring Keeper
153	36339	Push Rod Guide
154	650972	Rocker Arm Stud
155	35950	Rocker Arm
156	36341	Rocker Arm Bearing
157	650973	Set Screw, 5/16-24 x 1/4"
158	36340	Push Rod
159	*35952	Rocker Arm Cover Gasket
160	35953A	Rocker Arm Housing
161	30063	Screw, Torx T-30, 1/4-20 x 1/2"
169	*36304	Valve Cover Gasket
172	36305	Valve Cover
173	36306	Breather Tube
174	30063	Screw, Torx T-30, 1/4-20 x 1/2"
178	650928	Lock Nut, 1/4-20
182	650925	Carburetor Mounting Stud
184	*36352	Carburetor To Intake Pipe Gasket
185	36489	Intake Pipe
186	36354	Governor Link
186A	36353	Choke Link
200	36360	Control Bracket (Incl. 203,204,212A)
203	36482	Compression Spring
204	650777	Screw, 6-32 x 21/32"
209	650902	Screw, 10-32 x 7/16"
210	27793	Conduit Clip
211	28942	Screw, 10-32 x 3/8"
212A	36288	Bushing
223	650975	Screw, Torx T-30, 5/16-18 x 1-9/32"
224	*36490	Intake Pipe Gasket
228	650977	Air Cleaner Stud
229	650825	Nut & Lock Washer, 1/4-20
239	*36358	Air Cleaner Gasket
240	36355	Air Cleaner Body (Incl. 228 & 239)
245	36356	Air Cleaner Filter (Incl. 229)
245A	36357	Air Cleaner Filter
250	36359	Air Cleaner Cover
251	650886	Wing Nut, 1/4-20
252	650976	Screw, 1/4-20 x 19/32"
260	36347	Blower Housing
262	650737	Screw, 1/4-20 x 1/2"
263	36367	Trim Ring
265	36616	Cylinder Head Cover
269	*36365	Exhaust Manifold Gasket
270A	35829A	Exhaust Port Liner
277	792028	Screw, 5/16-18 x 7/8"
286	36343	Cup & Screen
290	30705	Fuel Line
291A	29774	Fuel Line

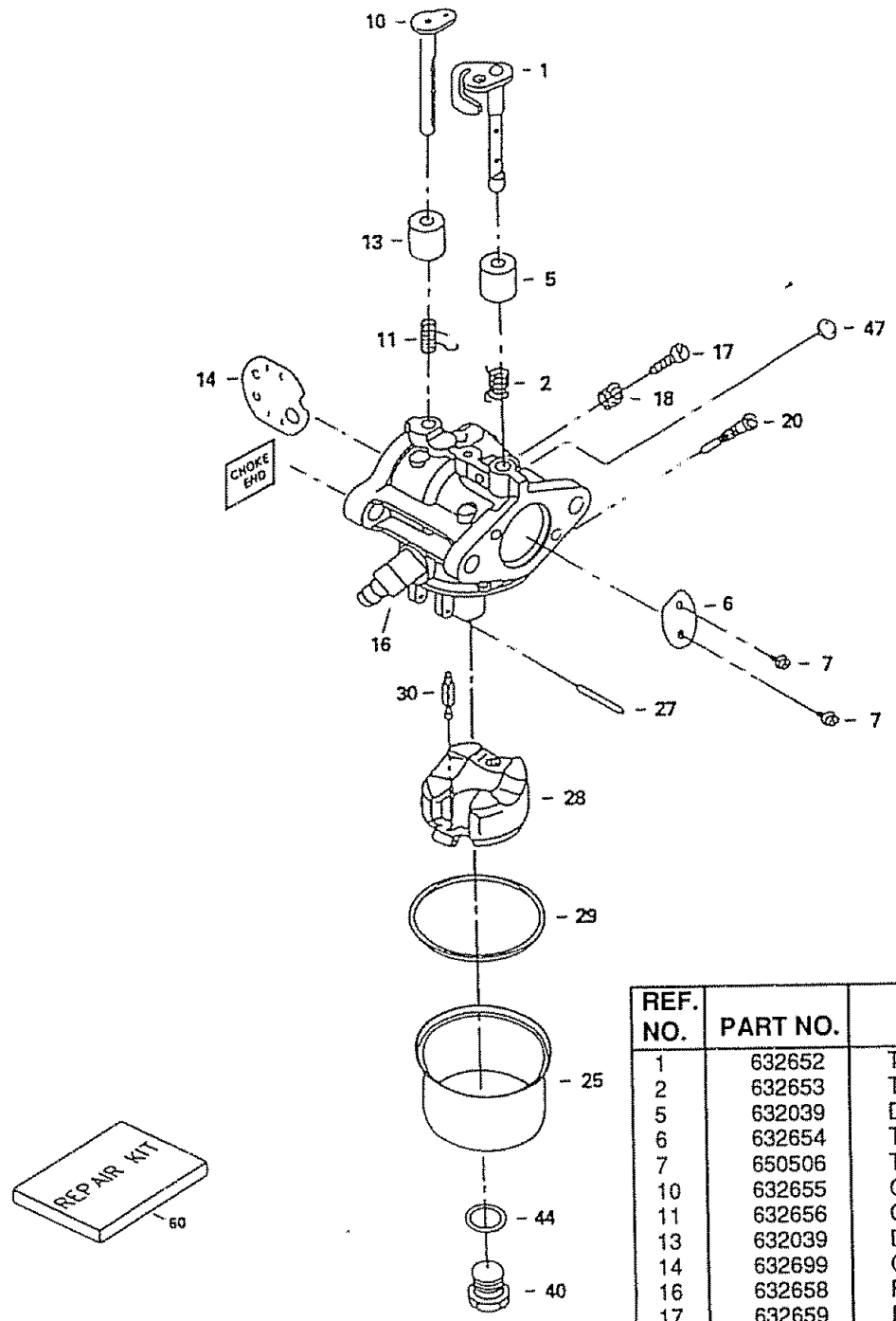
ENGINE MODEL 143.951602 FOR 43" TRACTOR MODEL 536. 252570

REF. NO.	PART NO.	PART NAME
292	26460	Fuel Line Clamp
293	35787	Pulse Pump
293A	650931	Screw, 8-32 x 1-1/2"
294	35791	Fuel Pump Repair Kit
296	34279B	Fuel Filter (Incl. 292)
303	32958	Fuel Fitting
305	36349	Oil Fill Tube
306	*36348	"O" Ring
307	35499	"O" Ring
309	650974	Screw, 1/4-20 x 57/64"
310	36366	Dipstick
314	650814	Screw, Torx T-15, 10-24 x 1"
315	611181	Alternator Coil (3/5 Split) (Incl.321 - 323)
321	611161	Diode
322	611142	Connector Body
323	611118	Terminal
325	36342	Wire Clip
326	36210	Blower Housing Plug

REF. NO.	PART NO.	PART NAME
346	36413	Fuel Pump Bracket
347	650949	Screw, 10-32 x 9/16"
361	650969	Screw, 5/16-18 x 29/32"
370	36261	Instruction Decal
370B	35274	Instruction Decal
380	640000	Carburetor (Incl. 184 & 212A)
381	650767	Screw, 8-32 x 27/64"
382	36328	Oil Strainer Screen
385	570673	Ball
386	36329	Pressure Relief Spring
387	36330	Roll Pin
394A	650982	Washer
395	36264	Electric Starter Motor (12 Volt)
400	36567	Gasket Set (Incl. Items Marked * in Notes)
475	36563	Oil Filter
476	36374	Oil Filter Adapter
477	650978	Screw, Torx T-30, 5/16-18 x 1-7/16"
479	*36335	Oil Passage Gasket

ENGINE MODEL 143.951602 FOR 43" TRACTOR MODEL 536. 252570

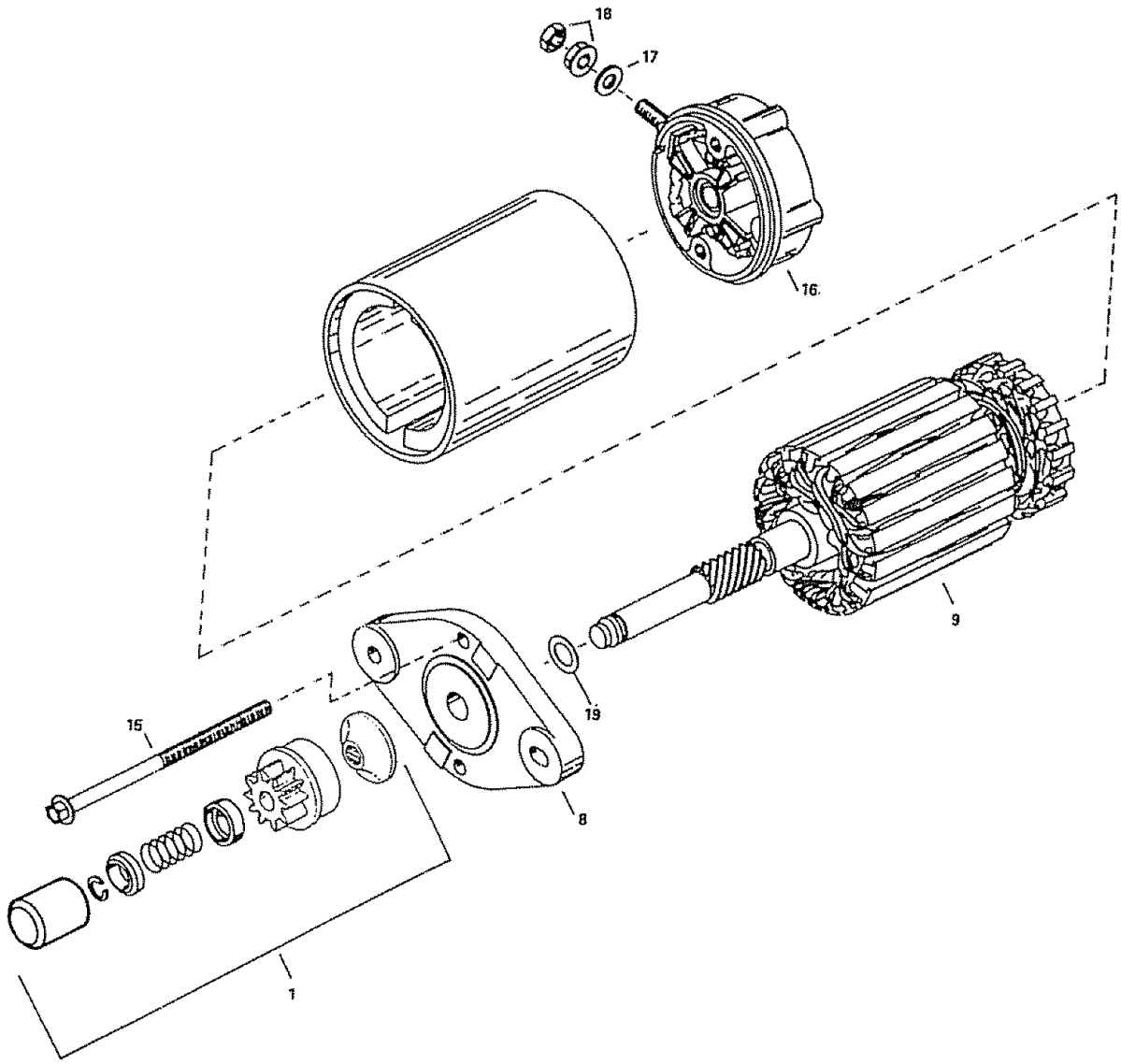
CARBURETOR NO 640000



REF. NO.	PART NO.	PART NAME
1	632652	Throttle Shaft & Lever Ass'y
2	632653	Throttle Return Spring
5	632039	Dust Seal (Throttle)
6	632654	Throttle Shutter
7	650506	Throttle & Choke Shutter Screw
10	632655	Choke Shaft & Lever Ass'y
11	632656	Choke Return Spring
13	632039	Dust Seal (Choke)
14	632699	Choke Shutter
16	632658	Fuel Fitting
17	632659	Idle Speed Screw
18	632660	Tension Spring
20	* 640001	Idle Mixture Screw
25	632662	Float Bowl
27	* 632663	Float Shaft
28	632664	Float
29	* 632665	Float Bowl "O" Ring
30	* 632666	Inlet Needle
40	632449	Bowl Nut
44	* 632447	Bowl Nut Washer
47	* 632667	Welch Plug
60	640002	Repair kit (Includes Items Marked *)

ENGINE MODEL 143.951602 FOR 43" TRACTOR MODEL 536. 252570

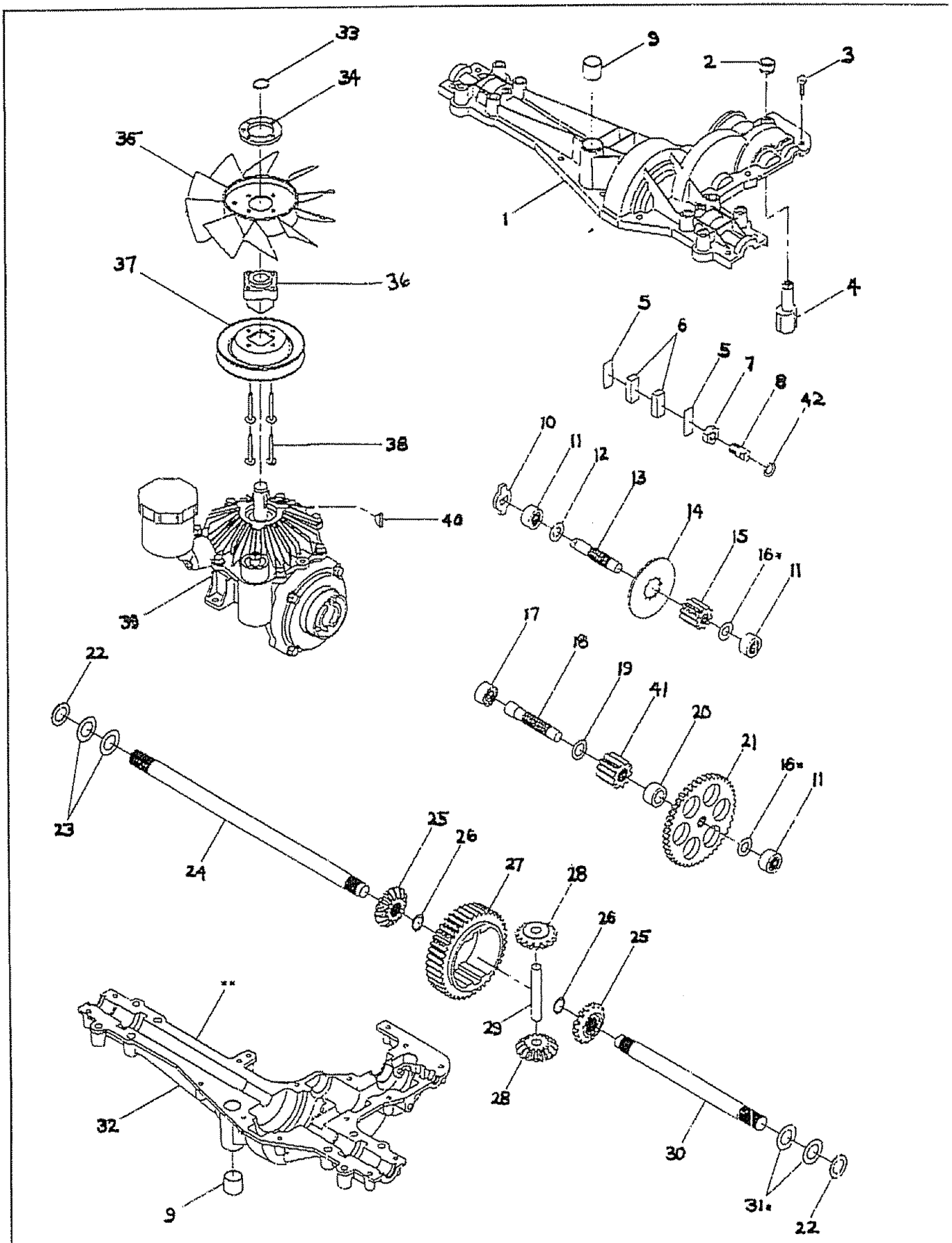
STARTER MOTOR NO. 36264



REF. NO.	PART NO.	PART NAME
1	36375	Drive Kit
8	36377	Drive End Cap Ass'y.
9	36378	Armature
15	36379	Case Bolt
16	36380	Commutator End Cap & Brush Card Ass'y
17	650168	Washer
18	650864	Nut
19	36381	Thrust Washer

TRANSAXLE REPAIR PARTS

DANA TRANSAXLE MODEL NO. 4900-5 FOR 43" TRACTOR MODEL 536.252570



TRANSAXLE REPAIR PARTS

DANA TRANSAXLE MODEL NO. 4900-5 FOR 43" TRACTOR MODEL 536.252570

KEY#	DANA PART NO.	NO. REQ'D	DESCRIPTION
1	5351-B	1	Housing, Upper
2	3789	1	V-Ring
3	1919	16	Screw, Tapping, 1/4-20 x .734
4	4821	1	Assembly, Shaft & Cam
5	3758	2	Spacer
6	5338	2	Puck, Friction
7	5336	1	Nut, Locking, Jam
8	5337	1	Stud, Adjustment
9	5037	2	Bearing, Sleeve
10	5356	1	Key, Drive
11	4820	3	Assembly, Bearing
12	3890	1	Washer, Plain, .505x.942x.040
13	5357	1	Shaft, Input
14	5518	1	Disc, Brake
15	5516	1	Gear, Spur, 10T.
16	4690	2*	Assembly, Kit, Shim, .500 Shaft
17	4819	1	Assembly, Bearing
18	5353	1	Shaft, Idler
19	1068	1	Washer, Plain, .632x1.00x.041
20	3471	1	Spacer, .630x1.00x.549
21	5517	1	Gear, Spur, 45T.
22	5130	2	Washer, Neoprene
23	3184	2	Washer, Plain, .758x1.25x.031
24	5541-1	1	Axle, L.H.
25	3871	2	Gear, Miter, 15T.
26	5270	2	Ring, Retaining
27	5181	1	Gear, Spur, 41T.
28	3726	2	Gear, Miter, 15T
29	3919	1	Shaft, Cross
30	5541-2	1	Axle, R.H.
31	4691	1*	Assembly, Kit, Shim, .750 Shaft
32	5350	1	Housing, Lower
33	5366	1	Ring, Retaining
34	5414	1	Ring, Clamp
35	5522	1	Fan
36	5523	1	Hub
37	5521	1	Pulley, 4.12 Dia.
38	3306	4	Screw, Tapping, #10-24x1.05
39	5424	1	Hst, CW Control Rotation
40	1375	1	Key, Woodruff, #61
41	5180	1	Gear, Spur, 10T.
42	3884	1	O-Ring
43	4300	1	Grease

* Use in various combinations to maintain proper clearances.

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

NOTES

SEARS

OWNER'S MANUAL

MODEL NO. 536.252570

HOW TO ORDER REPAIR PARTS

CRAFTSMAN®

16.5 HP OHV ALL-WHEEL STEER 43" MOWER DECK HYDROSTATIC DRIVE LAWN TRACTOR

Each tractor has its own model number. Each engine has its own model number.

The Model Number for your tractor will be found on the model plate located under the seat.

The model number for your engine will be found on the blower housing of the engine.

All parts may be ordered through Sears, Roebuck and Company Service Centers and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT - LAWN TRACTOR**
- **MODEL NUMBER - 536.252570**
- **ENGINE MODEL NUMBER - 143.951602**
- **PART NUMBER**
- **PART DESCRIPTION**

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.

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

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