OWNER'S MANUAL

- ASSEMBLY
- OPERATION
- MAINTENANCE
- PARTS LIST

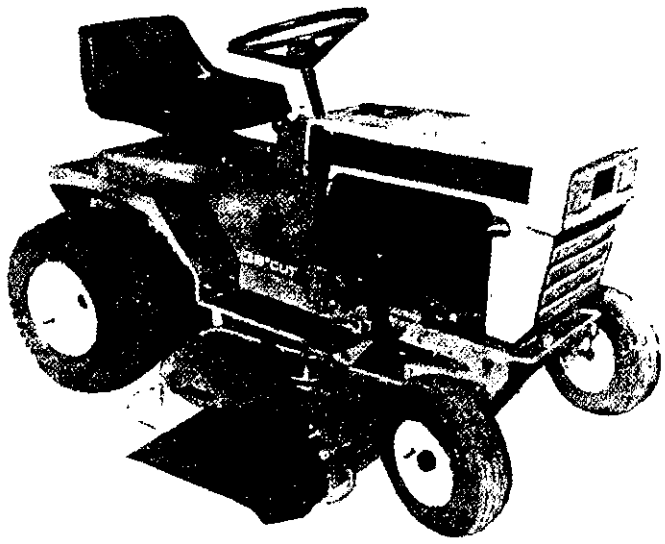
Model Nos.
13875-9
13885-9

Important:

Read Safety Rules and Instructions Carefully

YARD-MAN

36" RIDING MOWERS



(MODEL 13885-9 SHOWN)

PRINTED IN U.S.A.

FORM NO. 770-8320
(Rev. 11-78)

LIMITED WARRANTY

For one year from the date of original retail purchase, YARD-MAN COMPANY will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges under this warranty must be paid by the purchaser unless return is requested by YARD-MAN COMPANY.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of YARD-MAN.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by YARD-MAN.

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

WARNING TO PURCHASERS
OF INTERNAL COMBUSTION ENGINE EQUIPPED
MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.

➡ IMPORTANT

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see operating section of this manual for proper fuel and amount.

Your rotary mower is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—READ THE OWNER'S MANUAL.
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
3. Do not carry passengers.
4. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction.
5. Clear work area of objects which might be picked up and thrown by the mower in any direction.
6. Disengage all attachment clutches and shift into neutral before attempting to start engine.
7. Disengage power to attachment(s) and stop engine before leaving operator position.
8. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
9. Before attempting to unclog the mower or discharge chute, stop the engine and be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
10. Disengage power to attachment(s) when transporting or not in use.
11. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
12. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
13. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
14. Stay alert for holes in terrain and other hidden hazards.
15. Use care when pulling loads or using heavy equipment.
    A. Use only approved drawbar hitch points.
    B. Limit loads to those you can safely control.
    C. Do not turn sharply. Use care when backing.
    D. Use counterweight(s) or wheel weights when suggested in owner's manual.
16. Watch out for traffic when crossing or near roadways.
17. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
18. Handle gasoline with care—it is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
    C. Open doors if engine is run in garage—exhaust fumes are dangerous. Do not run engine indoors.
19. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
20. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
21. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
22. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
23. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
24. Do not change the engine governor settings or overspeed the engine.
25. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
    (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
26. Check grass catcher bags frequently for wear or deterioration. For safety protection replace only with new bag meeting original equipment specifications.
27. Look behind to make sure the area is clear before placing the transmission in reverse and backing up.

INDEX

GRASS CATCHER Model No. 19023-9 is available as optional equipment for the mowers shown in this manual.

WARNING

The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-0121.

IMPORTANT

After striking a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

The steering wheel and seat, with the necessary hardware, are easily assembled to the machine. On the electric starter models, the battery must be activated and installed as outlined in this section.

TIRE PRESSURE

FOR SHIPPING PURPOSES, THE TIRES ON YOUR UNIT MAY BE OVER-INFLATED. TIRE PRESSURE SHOULD BE REDUCED BEFORE UNIT IS PUT INTO OPERATION. PRESSURE SHOULD BE APPROXIMATELY 15 P.S.I. EQUAL TIRE PRESSURE SHOULD BE MAINTAINED ON ALL TIRES. MAXIMUM TIRE PRESSURE IS 30 P.S.I.

CAUTION

Installation of tire to rim:
1. Lubricate tire beads and rim flanges.
2. Do not exceed 30 P.S.I. when seating beads.
3. Adjust to recommended pressure after beads are sealed.

NOTE

Reference to right-hand or left-hand side of machine is from the driver's seat facing forward.

List of Contents in Hardware Pack.
See figure 1.
A (1) Belleville Washer
B (2) Hex Screws 5/16-18 x .75" Lg.

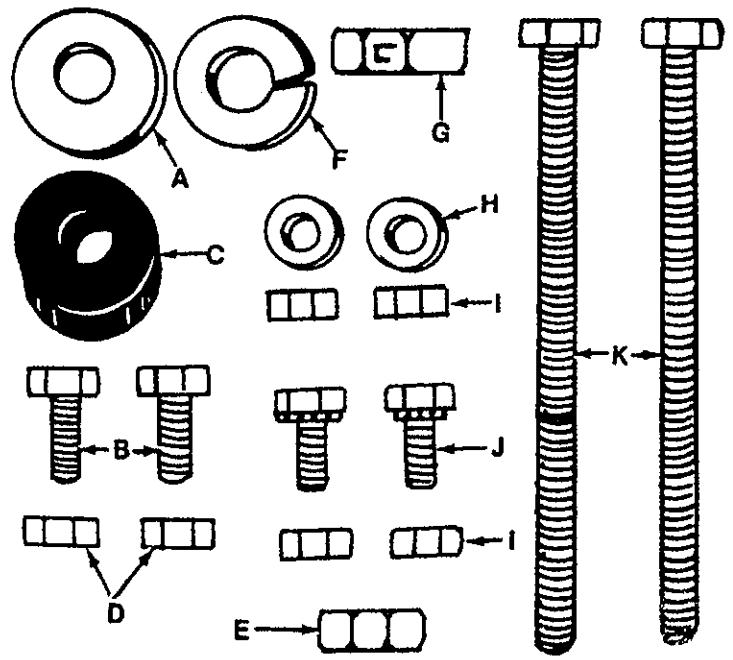


FIGURE 1. HARDWARE SUPPLIED

C (1) Rubber Washer
D (2) Hex Locknuts 5/16-18 Thd.
E (1) Hex Nut 5/16-24 Thread
F (1) Lockwasher 1/2" Screw
G (1) Hex Nut 1/2-13 Thread
H (2) Flat Washers 1/4" Screw
I (9) Hex Locknuts 1/4-20 Thread
J (2) Hex Sems Screws 1/4-20 x .62" Long
K (2) Hex Screws 1/4-20 x 5.50" Long

ASSEMBLY

STEERING WHEEL (See figure 2.)

1. Place rubber washer (C) and then the steering wheel on shaft.

2. Secure in position with belleville washer (A) and hex nut (E). Tighten securely.

3. Press on steering wheel cap by hand.

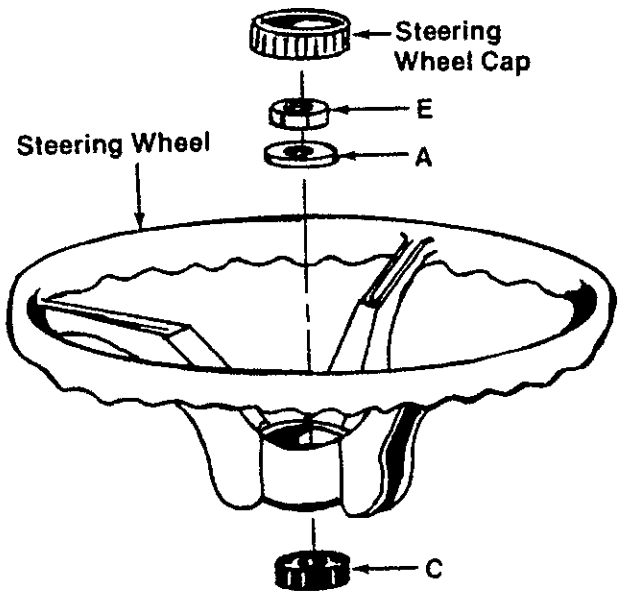


FIGURE 2. STEERING WHEEL ASSEMBLY

SEAT

Your molded seat comes with the mounting bolt molded in the seat.

The seat spring has three holes to provide a forward or backward adjustment of the seat. To check for the best seat position, sit in the seat and work the foot pedal. If adjustment is needed, unfasten the seat and replace it in a forward or backward hole. See figure 3.

4. Place the rear hitch bracket in position on rider and secure with hex screws (B) and locknuts (D). See figure 7.

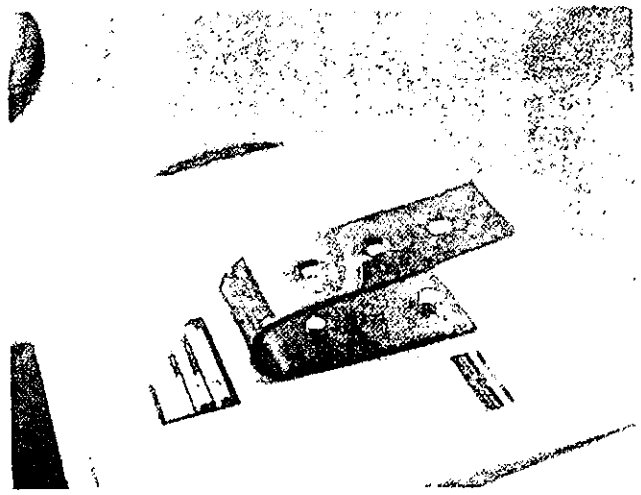


FIGURE 3. SEAT ASSEMBLY

Place seat on spring and secure with lockwasher (F) and hex nut (G). See figure 4.

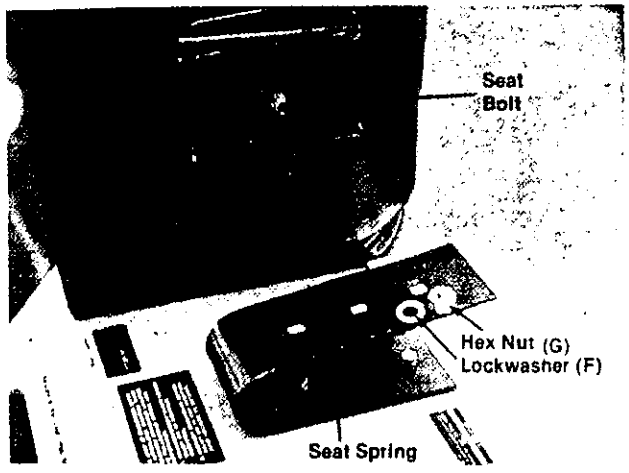


FIGURE 4. SEAT ASSEMBLY

NOTE

Check ALL nuts and bolts for correct tightness.

BATTERY INFORMATION FOR ELECTRIC START MODELS

WARNING

A. Battery acid must be handled with great care as it will blister the skin and damage clothing. It is advisable to wear goggles, rubber gloves, and a protective apron when working with it.

B. Neutralize acid spilled on clothing with dilute ammonia water or a water solution of baking soda. If acid gets on clothes, dilute it with clean water first, then neutralize.

C. If for any reason acid should be spattered in the eyes, wash it out immediately with clean cold water. Seek medical aid if discomfort continues.

D. Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and mutilate before discarding.

BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added)

A. Keep sparks, flame, cigarettes away.

B. Hydrogen gas is generated during charging and discharging.

C. Ventilate when charging or using in enclosed space.

D. When using a charger—to avoid sparks, NEVER connect or disconnect charger clips to battery while charger is turned on.

E. Always shield eyes, protect skin and clothing when working near batteries.

ACTIVATING THE BATTERY

1. Place battery to be filled on bench or workbench. NEVER activate battery in unit. Remove vent caps from all cells.
2. Fill each cell carefully using battery grade 1.250-1.265 specific gravity. Sulfuric acid to be 3/8" above the top of the separators or to split ring.
3. Allow battery to set for 20 minutes to ½ hour. Add additional acid if necessary to bring it up to the proper level.
4. Replace the vent caps.
5. The battery can now be charged after the 20 minutes setting period. Battery can be SLOW CHARGED (DO NOT FAST CHARGE) at a maximum bench rate of 4-5 amperes until the specific gravity reading is 1.265-1.275. A charging rate in excess of this will buckle and warp the positive plates and perforate the separators. If electrolyte bubbles violently while charging, reduce charging rate until excessive bubbling action subsides, then continue charging until specific gravity is reached.

After battery has been in service, add only approved water. DO NOT ADD ACID.

B. TO INSTALL BATTERY

To install the battery in this unit, refer to page 7.

C. MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is 9/16" above separator plates. Add only distilled water or good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225 remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

D. STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. Store in cold, dry place.
3. Recharge battery whenever the specific gravity is less than 1.225 before returning to service or every two months, whichever comes first.

E. COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose hold downs and/or corroded connections
5. Excessive loads

6. Battery electrolyte substitutes
7. Freezing of electrolyte

NOTE

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

INSTALLING THE BATTERY

1. Remove the access panel on rear of rider by removing the thumb screw. See figure 5.

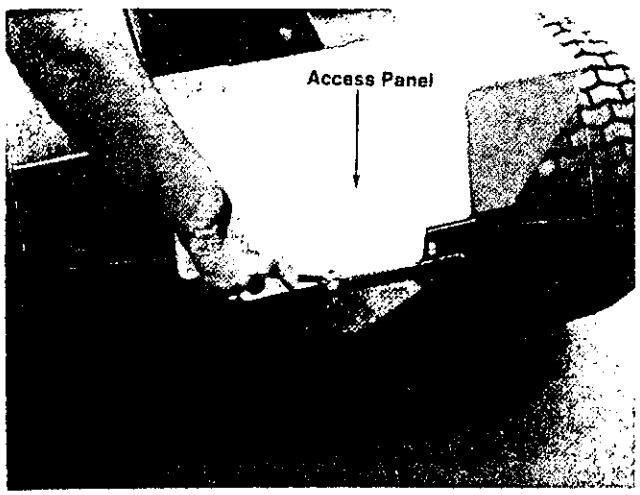


FIGURE 5. REMOVE BATTERY ACCESS PANEL

2. Place battery in battery case with the terminals to the front of unit. Negative (-) terminal will be on the left hand side of rider. See figure 6.

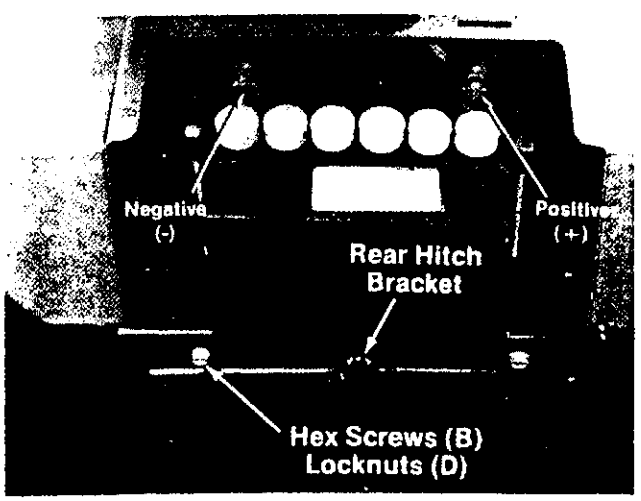


FIGURE 6.

3. Place the battery hold down over battery and secure in place with hex screws (D) 5½ inches long, lockwashers (E), and hex nuts (F). See figure 7.

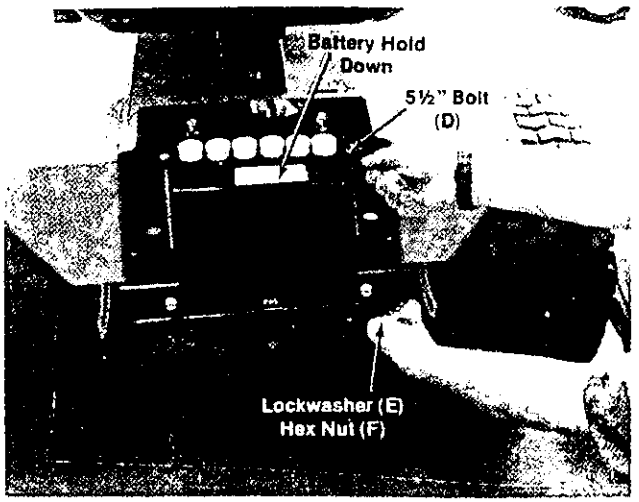


FIGURE 7.

4. Attach the positive cable (right hand side of rider) to the positive battery terminal with hex sems screw (G) and hex nut (F). See figure 8.

5. Attach the negative cable; grounded, to the negative battery terminal with hex sems screw (G) and hex nut (F). See figure 8.

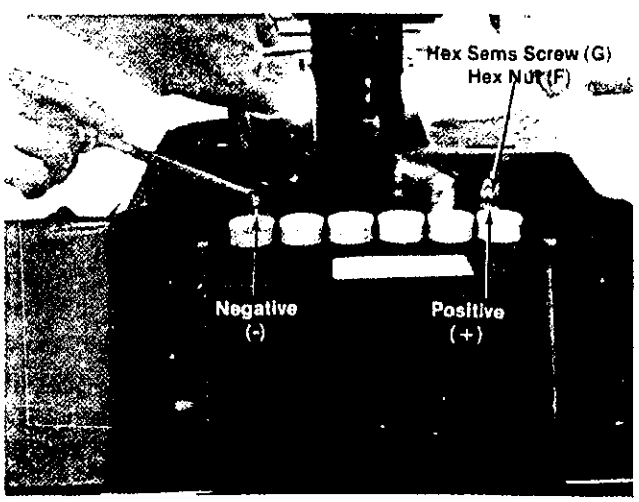


FIGURE 8.

Battery cable connections must be kept tight on the terminals to provide a good contact. To prevent corrosion of the terminals, a light coat of petroleum jelly should be applied.

6. Replace battery access panel.

BEFORE STARTING ENGINE

PUT OIL IN CRANKCASE See figure 9.

Place the tractor on a level surface. Remove the oil fill plug and fill the sump to overflowing. Pour slowly. Sump capacity is 3 pints.

For use in temperatures above 40° F., use SAE 30, SAE 10W-30 or SAE 10W-40. For temperatures under 40° F., use SAE 5W-20 or SAE 5W-30.

For temperatures under 0° F., see the engine manual or consult a certified service center for proper engine treatment.

Use a high quality, detergent oil classified "For service SC, SD, SE or MS". Nothing should be added to the recommended oil.

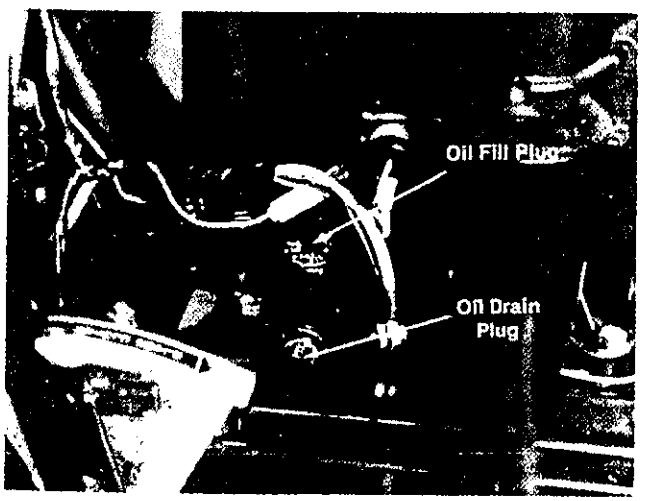


FIGURE 9.

FILL FUEL TANK (See figure 10.)

Fill the fuel tank **completely.** Capacity is approx. one gallon. Use clean, FRESH, lead-free or leaded regular grade automotive gasoline. Do not use gasoline that has been stored for a long period.

DO NOT MIX WITH OIL. Be sure the gasoline container is clean. Always wipe up any spill promptly. Use a disposable rag or tissue and DO NOT SAVE.

DANGER

Never add gasoline to a hot engine. Handle gasoline with extreme caution. NEVER smoke near gasoline. It is highly explosive and fumes ignite easily.

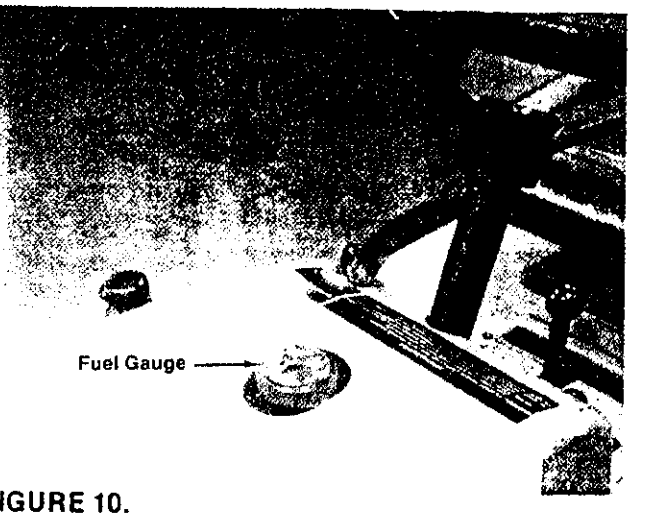


FIGURE 10.

CHUTE DEFLECTOR

To reduce the rider's shipping size, the chute deflector on the mowing deck is placed in the "UP" position. Before you start the engine (at anytime) lower the deflector to its operating position. The deflector can be returned to its "UP" position to minimize storage space.

CAUTION

NEVER operate the cutting unit with the deflector in the storage position.

CONTROLS

The controls may be considered as the Drive Control and the Cutting Control as follows:

a. Throttle Control. The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from ¾ to full throttle when operating the cutting deck. See figure 11.

b. Gear Shift Lever. The gear shift lever is used to shift into one of three **Forward Gears,** NEUTRAL or REVERSE. See figure 11.

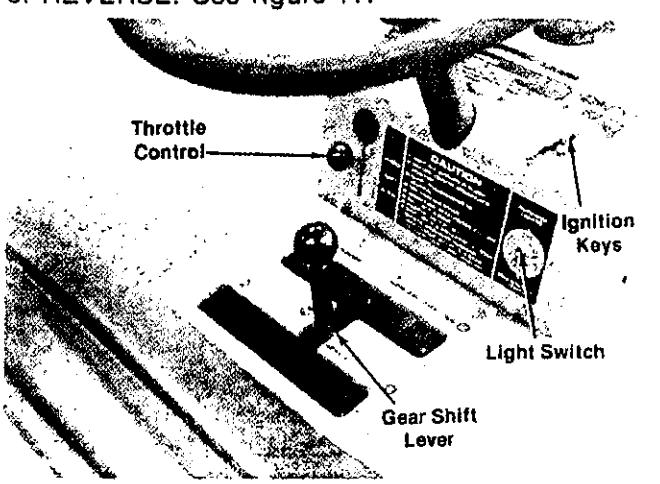


FIGURE 11.

c. Light Switch. Push the light switch up to turn on the lights. The lights will only operate when the engine is running. See figure 11.

d. Ignition Switch. The ignition switch is located on the right side of the dashboard.

See figure 11. Turn the key to the START position, to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting.

e. Clutch-Brake Pedal. The clutch-brake pedal is located on the right hand side of the rider and is operated by depressing it with your right foot. See figure 12.

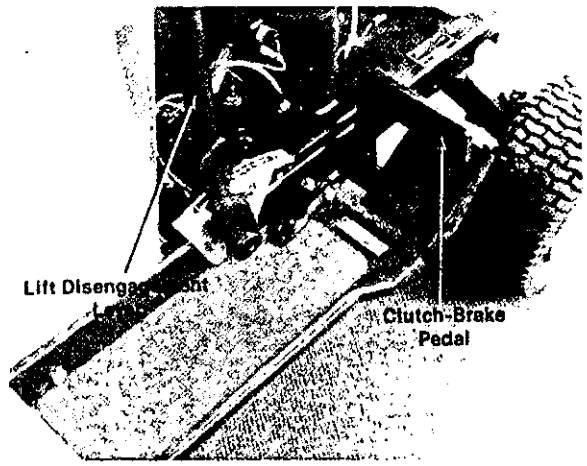


FIGURE 12.

f. Lift and Disengagement Lever. Pulling it all the way back and locking it disengages the blades. The engine will not start unless the lift and disengagement lever is in the disengaged position. See figure 12.

g. Brake Lock. The brake lock is located on the right hand side of the mower. To lock the brake, depress the brake pedal and lift up the lock lever. The pedal will stay depressed. To release, depress the pedal. See figure 13.

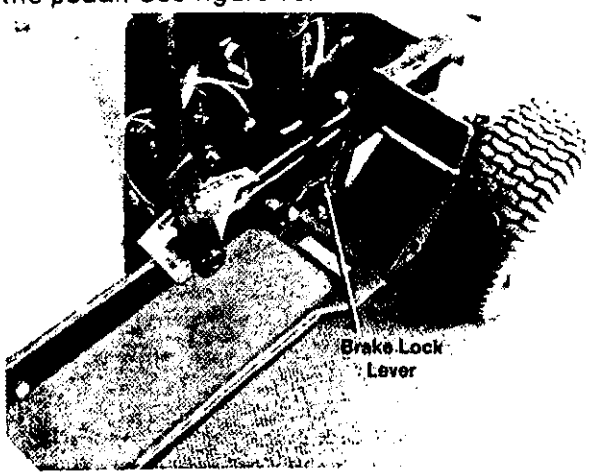


FIGURE 13.

OPERATION OF CONTROLS

TO START ENGINE

THIS RIDER IS EQUIPPED WITH A SAFETY INTERLOCK SYSTEM WHICH PREVENTS THE ENGINE FROM STARTING UNLESS ALL THE CONDITIONS BELOW ARE MET:

a. The shift lever must be in the Neutral position.

b. The lift disengagement lever must be in the OFF position.

It is recommended that the clutch/brake foot pedal be fully depressed (and locked). This is an added safety precaution.

NOTE

It is recommended that you be on the rider seat when you start the engine. In this position, you can operate the foot pedal and handle all the controls.

To start the engine, position the shift lever and lift disengagement lever as directed in a and b (above). Depress the foot pedal. Move the throttle controll lever to Choke and turn the ignition key to the START position. Hold the key in that position until the engine starts.

When the engine starts, move the throttle control lever to slow speed until the engine warms up.

NOTE

Continuous cranking of the starter motor for periods of more than 10 seconds should be avoided. Such stubborn starting signals that the controls are not set as described above or that the engine needs adjustment or service.

To STOP the engine, turn the ignition key to OFF position.

CAUTION

Never lever the rider seat without stopping the engine. Never attempt to shift with the foot pedal fully depressed. Never shift or change speed on a hillside.

TO SHIFT

To shift from Neutral to a Forward speed or Reverse with the engine running, the foot pedal must first be depressed half-way. Then move the shift lever to the desired position and slowly release the foot pedal to engage the drive belt.

If the shift lever will not move to the desired position, release the foot pedal slightly until the meshing gears can be felt. This permits the gears to become aligned. Then move the shift lever to the desired position.

If the shift lever will not move to the Reverse position or to the first Forward position from Neutral, release the foot pedal slightly until the meshing gears can be felt. This permits the gears to become aligned. Then move the shift lever to Reverse or Forward speed.

To shift into Reverse or Forward when the rider is moving in the opposite direction, fully depress the foot pedal to stop the tractor and to disengage the drive belt. Move the shift lever to Neutral, release the foot pedal to the half-way position, move the shift lever to the desired position and slowly release the foot pedal.

⚠ CAUTION

A slow foot pedal release will give you a smooth engagement of power. A fast release will jerk the rider and should be avoided.

A new rider may jerk when power is engaged until the belt is fully seated in the pulley groove. This is normal and to be expected.

The clutch/brake foot pedal gives you positive control in tight places and when you want to slow down momentarily through a difficult area without moving the throttle control or down shifting.

TO ENGAGE CUTTING BLADES

The cutting blades are powered directly off the lower portion of the engine pulley via the mower drive belt. Engine speed directly determines blade speed. For fast blade rotation, move the engine throttle to FAST. For slow rotation, move the throttle to SLOW.

To engage the power to the cutting blades, the lift disengagement lever should be moved out of the OFF position and allowed to move forward by itself. DO NOT FORCE THE LEVER FORWARD. The forward movement of the lever tightens the drive belt across the mower deck pulleys and the engine pulley and thus powers the blades. An engagement spring in the mower assembly applies proper pressure to the drive belt automatically.

The shift lever should be used to control ground speeds and the throttle lever should be kept at ¾ to full speed for best cutting quality.

ENGINE TIPS

1. If the engine won't start, check the fuel tank to make sure it is full and check the spark plug for spark.
2. Be sure the holes in the gas cap are open and will allow air to enter the gas tank.
3. Be sure the air filter is kept in good condition. Any dust which gets past the filter can damage the engine. Also a dirty air filter will reduce the engine's operating efficiency and can cause hard starting.
4. Never use old gasoline in the engine. In addition to bringing on problems with gum and varnish, old gas makes for hard starting.
5. If the engine misses, check the spark plug and plug wire. Dirty plugs should NOT be cleaned. They should be replaced.

   If the engine continues to misfire with a new plug, the problem can be loose engine bolts, a leaky head gasket, sticky valves, etc. For these conditions it is suggested a certified service center be contacted for advice.
6. If the engine overheats, the cooling fins may be clogged. Also, a too-lean fuel mixture can cause overheating.
7. Don't put the engine under full power as soon as it starts. Fast RPM before the engine warms up can cause excessive engine wear.
8. Do not idle the engine at too slow a speed for extended periods. Oil will not circulate properly and excessive wear can result. . . also the engine can overheat.

MOWING SUGGESTIONS

Mowing of lawns should be done frequently, on a systematic basis. If grass is allowed to grow excessively tall before cutting, the under part of the grass, which has been protected from the sun, will be exposed and possibly damaged. This grass then tends to become coarse and often loses its deep green color. Frequent cutting promotes new more finely textured blade growth.

The root system of Kentucky Bluegrass renews itself every Spring. If mowing is done before the roots have had a chance to grow, the root system won't develop fully and the quality of the grass will suffer, as will its ability to withstand the demands of a tough summer. With this grass the first mowing should not be done until new growth is at least two inches.

A common error is to let grass grow longer in hot weather to protect it from the sun and heat. When long grass is finally cut, it will be brown or gray. . . and the tender bottom growth will not be

able to battle the weather and will lose quality. Twice a week cutting is best throughout the summer, hot or not, right up to the time growth stops in the late Fall.

When cutting tall heavy grass or on rough ground, place the cutting unit in the highest cut position and the rider in the slowest ground speed. Gradually reduce the cutting height over several passes.

IMPORTANT

Keep the underside of the mower deck clean and keep the blades sharp for good quality cutting. Dull blades will bruise and tear the grass and cause a yellowing appearance.

MOWING PATTERNS

The side discharge mowing deck will throw grass clippings to the right. You can take advantage of this as follows:

a. If you are going to remove clippings after you mow, start mowing at one side of your lawn and proceed around the lawn in a clockwise pattern. Using this pattern, the discharge chute will distribute clippings to a center spot for easier pick-up and removal. See figure 14.

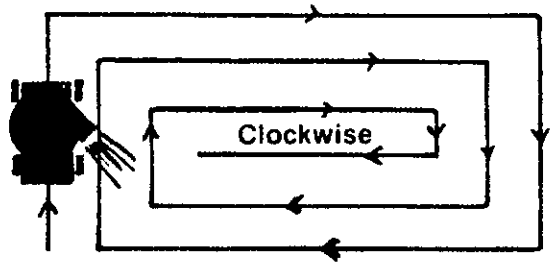


FIGURE 14.

Keep in mind, however, that in subsequent passes a poor quality of cut can result because the mower will have to cut BOTH grass and the clippings which have been thrown toward the center of the lawn. If the clippings are heavy and if the grass is also heavy, the combined load may cause the mowing deck to clog. In such situations it is best to mow in a counter-clockwise direction so clippings will not be re-cut. See figure 15.

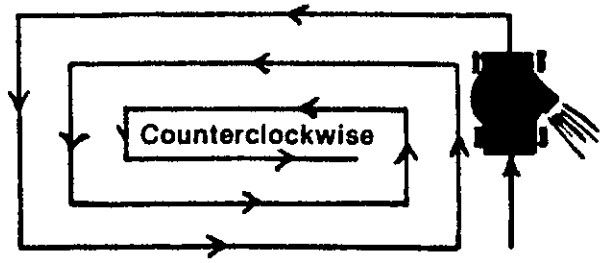


FIGURE 15.

b. If you are not going to remove grass clippings, a mowing pattern is of no concern. However, you should criss-cross or generously overlap each pass to avoid missed spots. See figure 16.

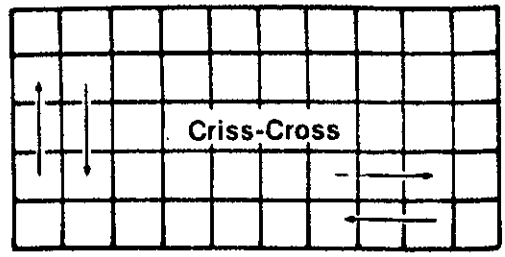


FIGURE 16.

With the rear discharge mowing deck you have freedom of choice between the three patterns shown here. However, overlap each pass to avoid missed spots.

CUTTING TIPS

1. When cutting tall, heavy grass, don't try to cut to the desired height in one pass. Set the blades higher than the final height and make several passes, gradually reducing grass height. Maintain high engine speed at all times for fast blade rotation and select ground speed suitable for ground conditions with the shift lever.
2. When cutting deep grass, it is recommended that the clipping be raked off the lawn...or removed with Trail Sweep or Vac-Sweep.
3. Cut the lawn before spreading fertilizer, weed killer, etc. Otherwise the blade action will suck up the material you have spread and discharge it through the chute along with the grass clippings.
4. Mow before you water the lawn. Wet grass clippings are likely to cling to the underside of the mowing deck housing.

CAUTION

5. Always check the gasoline supply BEFORE you start to use the tractor to be sure you have enough gasoline in the tank to do the entire job. If a refill is necessary let the engine cool before pouring gasoline in the tank. A hot engine can ignite gasoline, causing an injurious explosion.
6. If grass develops a brown look after cutting, the cause can be dull cutting blades...or cutting was done at too slow a blade speed. Keep the blades sharp and the engine at ¾ to full throttle.

7. It is a good idea to have an extra set of blades on hand. This will allow you to use the mower while one set is being sharpened. Always have the blades sharpened by a qualified service center with proper balancing equipment. For blade replacement use only the authorized original blade, see the parts list for the correct part number.

8. Where grass has been trampled, it is a good idea to rake such areas before mowing. This will make the grass stand up for a better cut.

9. If you try to cut too close to small trees the mower can scrape or cut into the tree bark, causing damage. It is better to adopt a policy of cutting reasonably close to such objects and clipping close with hand clippers.

LUBRICATION

After every 5 hours of operation, lubricate the points listed below with SAE 20 engine oil (unless otherwise noted).

(A) Oil the pedal pivot point
(B) Oil all connecting rod points
(C) Oil all pivot points (rider & mower)
(D) Oil the mower control lever

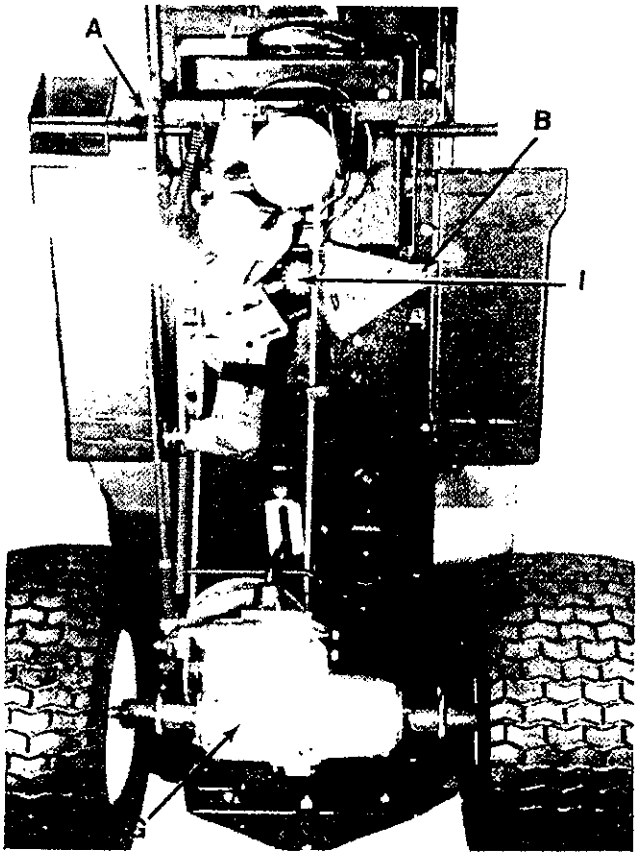


FIGURE 17.

(E) Oil the throttle control cable
(F) Oil the mower deck wheels
(G) Transmission (See maintenance section)
(H) Engine crankcase (See maintenance section)
(I) Grease the steering gear (Caution: Keep grease off belts) See figure 17.

MAINTENANCE

Your new rider will give excellent service for many years if given reasonable care and maintenance, as follows:

1. Check the oil level in the crankcase frequently, at least every 5 hours of operation. When checking oil level be sure the area around the oil fill cap is cleaned of all debris before it is removed. Otherwise debris can fall into the crankcase and cause damage.

   Change oil every 25 hours of operation... more frequently if operated under dusty conditions.

   On new engines, it is important that the oil be changed after the first few hours of operation. Change between the first 2-5 hours of operation.

For the proper grade and weight of oil to use, see BEFORE STARTING ENGINE, page 8.

2. **AIR CLEANER**

   Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions the air cleaner must be serviced after every hour of operation. Refer to figure 18.

   When assembling the air cleaner, make certain the lip of the foam element extends over edge of the air cleaner body. The foam element will form a protective seal.

Step A. Remove two screws and lift off complete air cleaner assembly.

Step B. Remove screen and spacers from foam element.

Step C. Remove foam element from air cleaner body.

Step D. 1. Wash foam element in kerosene or liquid detergent and water to remove dirt.
2. Wrap foam in cloth and squeeze dry.
3. Saturate foam in SAE 30 engine oil, then squeeze out excess oil.
4. Assemble parts, fasten to carburetor with screw.

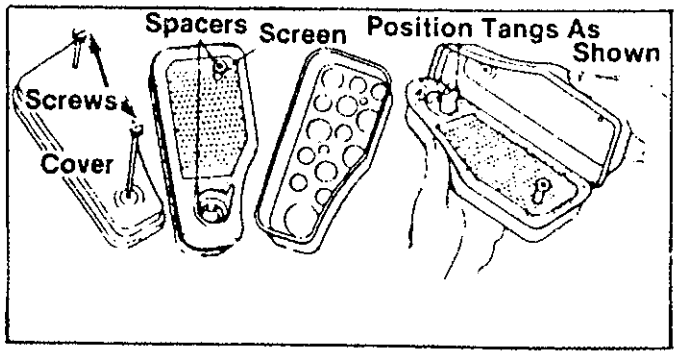


FIGURE 18. AIR CLEANER

3. Keep the engine's air cooling fins clean.

4. Keep the underside of the mower deck clean. BE SURE that blades are securely fastened and are kept sharp.

5. Each time you use the rider be sure you check the condition of the nuts, bolts, cotter pins, etc. to be sure all are tight and secure properly.

6. The transaxle transmission is pre-lubricated at the factory. Check the oil level every 25 hours by removing the oil fill plug. If the oil is below the level of the plug opening, fill to that level with SAE 90 extra heavy duty transmission oil.

   Transmission oil should be changed every 50 hours of operation or once each season.

7. The disc brake pads wear and may require replacing occasionally. This replacement is best done by a qualified service dealer.

CAUTION

Brakes should be kept in good operating condition to avoid possible injury or damage to the operator or tractor.

8. Should excessive vibration develop, check for the cause immediately. Check for a damaged blade, damaged bearing shaft, frayed belt, an obstruction, etc. DO NOT operate the rider again until the cause is found and corrected.

SPARK PLUG

The spark plug gap should be cleaned and reset to a 0.030-inch clearance once a season (see figure 19). Spark plug replacement is recommended at the start of each mowing season.

NOTE

Whenever the spark plug is removed for cleaning, it is advisable to replace the spark plug gasket with a new gasket.

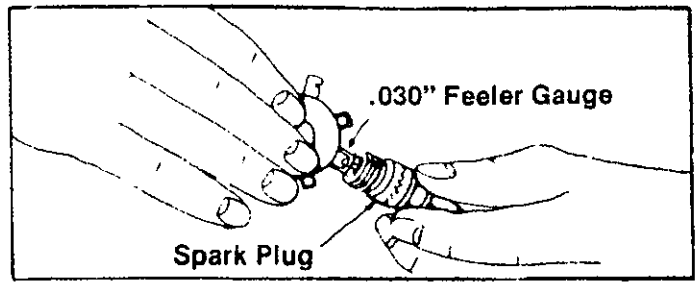


FIGURE 19. SPARK PLUG CLEARANCE

REPLACING BLADE

WARNING

Before beginning work on the cutter blade, remove the spark plug from the cylinder.

Removing and Sharpening Blades. Remove the center bolt and lockwasher. See figure 20. Pull the blade and blade adapter from the blade spindle.

The adapter can be removed from the blade by removing the two adapter bolts, lockwashers and nuts.

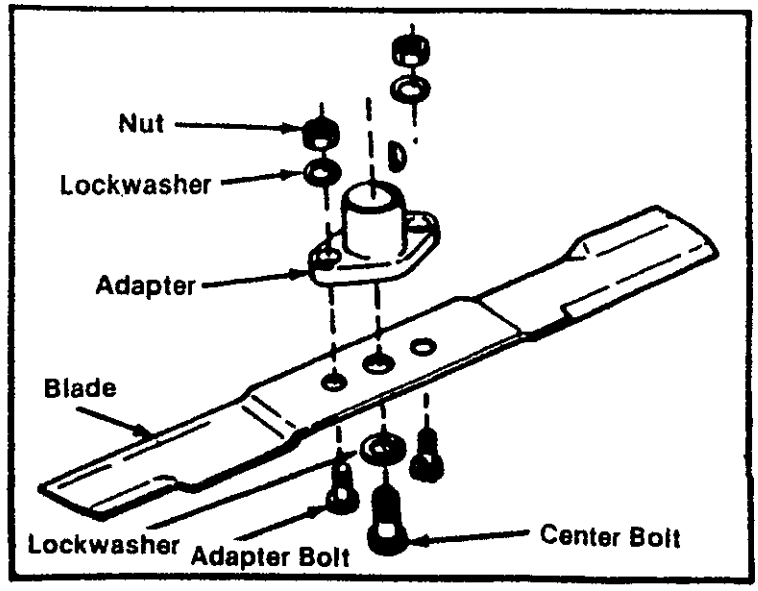


FIGURE 20. BLADE REMOVAL

ADJUSTMENTS

CAUTION

MAKE ALL ADJUSTMENTS (REGARDLESS OF HOW MINOR) WITH THE IGNITION KEY IN THE OFF POSITION, WITH THE IGNITION WIRE REMOVED AND SECURED AT LEAST 1" AWAY FROM THE SPARK PLUG, WITH THE SHIFT LEVER IN NEUTRAL AND THE BLADE CONTROL LEVER IN THE OFF POSIION. IN ADDITION THE WHEEL SHOULD BE BLOCKED TO PREVENT ACCIDENTAL MOVEMENT.

NOTE

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) requires no adjustment. Automotive steering principals have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in follow these steps.

1. Remove the elastic locknut and drop the tie rod end from the wheel bracket. See figure 21.
2. Loosen the hex jam nut on tie rod.
3. Adjust the tie rod assembly for correct toe-in.

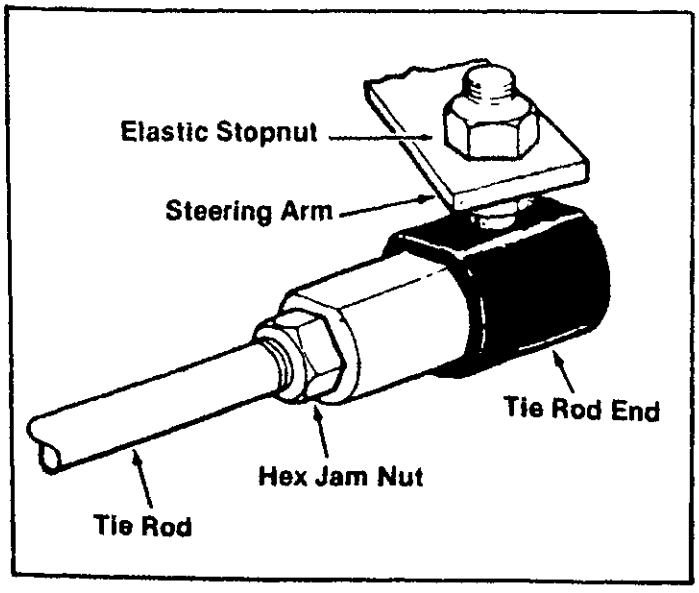


FIGURE 21. TIE ROD ADJUSTMENT

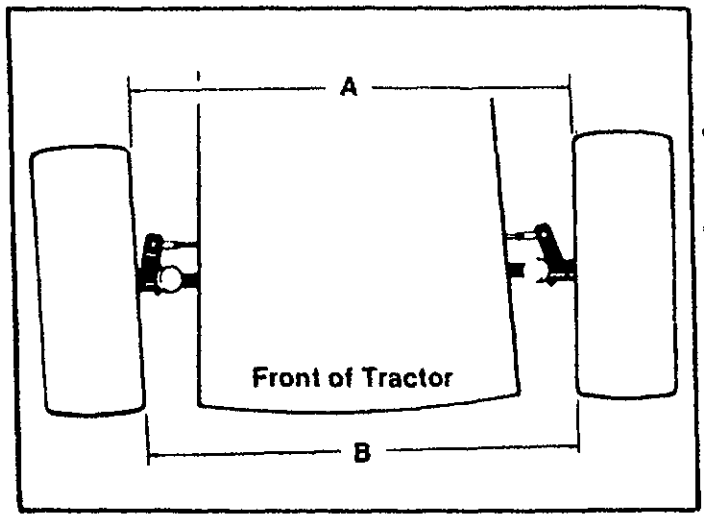


FIGURE 22. TOE-IN DIAGRAM

Dimension "B" should be approximately 1/8" less than Dimension "A". See figure 22.

A.) To increase Dimension "B", screw tie rod into tie rod end.

B.) To decrease Dimension "B", unscrew tie rod from tie rod end.

C.) Reassmble tie rod. Check dimensions. Readjust if necessary.

ADJUSTING CARBURETOR CHOKE

Proper choke adjustment is dependent upon proper adjustment of remote controls on the powered equipment.

To Check Operation of Choke-A-Matic Controls:

Move control lever to CHOKE position. (See figure 11.) The carburetor choke should be closed.

NOTE

The air cleaner can be removed to check the operation of the choke.

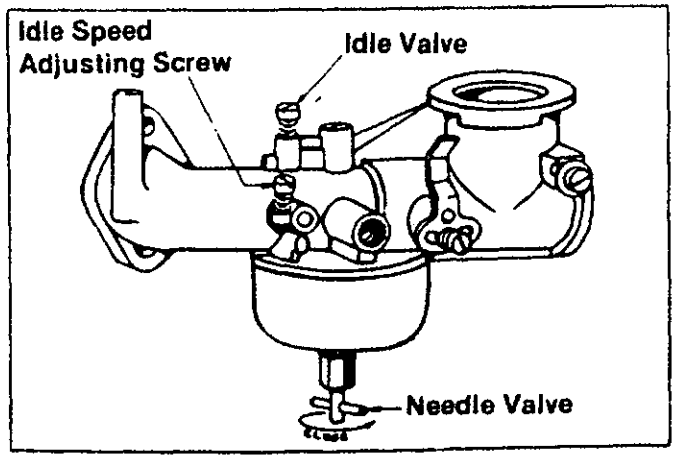


FIGURE 23. CARBURETOR ADJUSTMENT

To Adjust:

Place control lever on equipment in FAST (high speed) position. Loosen control casing clamp screw B. Move control casing A and wire until lever D touches choke operating link at C. Tighten casing clamp screw B. See figure 24.

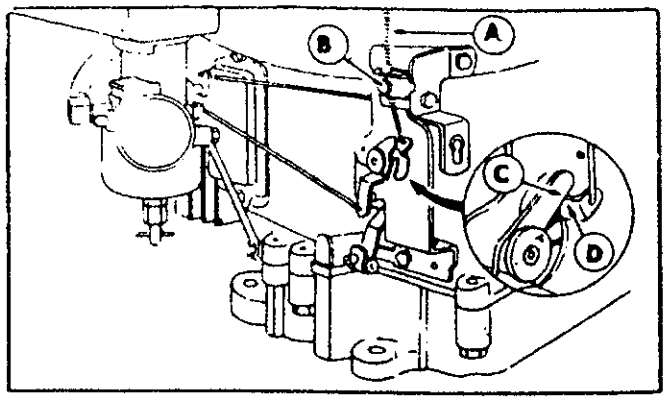


FIGURE 24. CHOKE ADJUSTMENT

ADJUST THROTTLE CONTROL See figure 25.

1. Move the throttle control lever located on the control panel to the FAST position.
2. Loosen the cable clamp screw holding the throttle control cable to the engine bracket.
3. Move the cable and wire until the throttle lever is in contact with the Choke lever. Tighten the cable clamp screw.
4. Operate the throttle control lever several times to check movement of the throttle to full Choke and FAST positions.

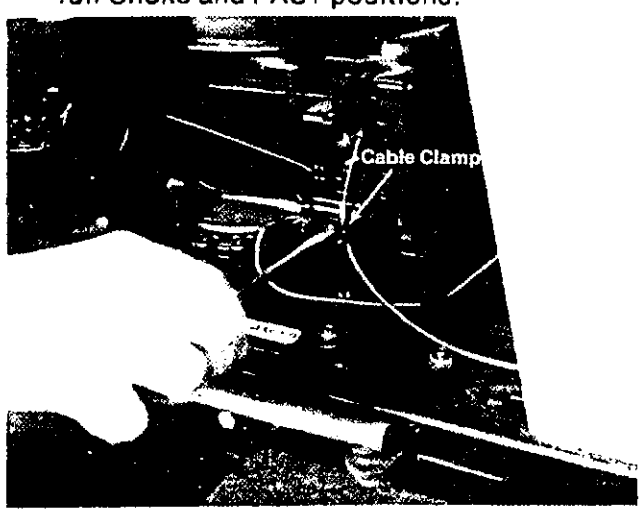


FIGURE 25.

REMOVE CUTTING UNIT

1. Lower the cutting unit to the lowest height of cut. Move the mower lever back into the OFF position.
2. Remove the haripin cotter and pull out the hitch pin. See figure 26.

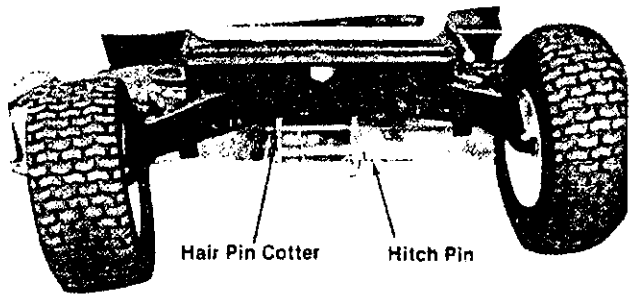


FIGURE 26.

3. Slip the mower drive belt off the bottom rim of the engine drive pulley and out of the mower drive idler and belt restrictor. Move the mower lever out of the OFF Position and release it to enable removal of the belt from between the blade brake mechanism.
4. Lift the front end of the cutting unit by the mower lift handle and move back slightly to disconnect the mower hitch rod from the hitch bracket and lower the cutting unit. See figures 27 and 28.
5. Push the front of the rider by the lift bar and roll the front wheels back over the top of the cutting unit for removal.

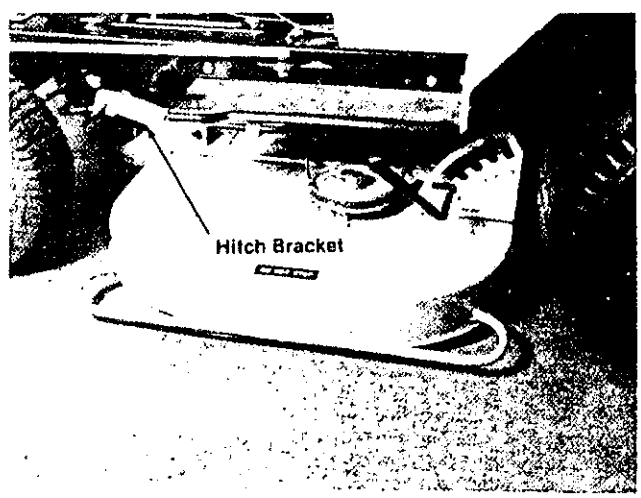


FIGURE 27.

6. Reverse these steps to re-install the cutting unit. Refer to the belt diagram decal on the mower deck for correct drive installation.

NOTE

Make sure the mower lever is in the engaged position (forward) when installing the cutting unit. Position the drive belt between the blade brake mechanism before moving the lever to the OFF position.

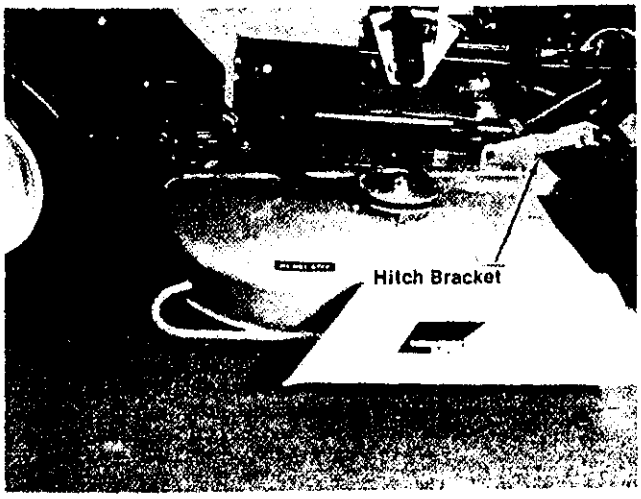


FIGURE 28.

REPLACE MOWER BELT

See figure 29.

1. Remove the cutting unit from the rider as described above.
2. Release the tension on the idler arm and pulley and lift the worn belt from the blade pulleys.
3. Pull the worn belt (from the rear) to the double pulley and assembly and lift the belt over the pulley.
4. Reverse the procedure in replacing the new belt.
5. Be sure the idler pulley is on the outside of the belt. Refer to the belt diagram decal on the mower deck for correct belt installation.
6. Be sure only an authorized belt is used in the replacement. Refer to the parts list for the part number of the correct replacement belt.

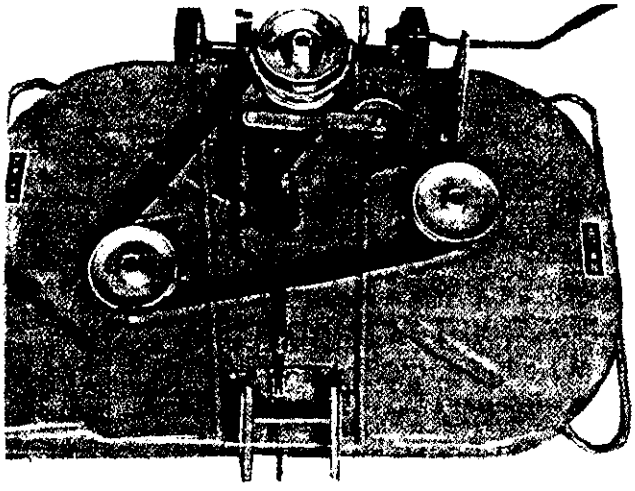


FIGURE 29.

ADJUST MOWER BELT

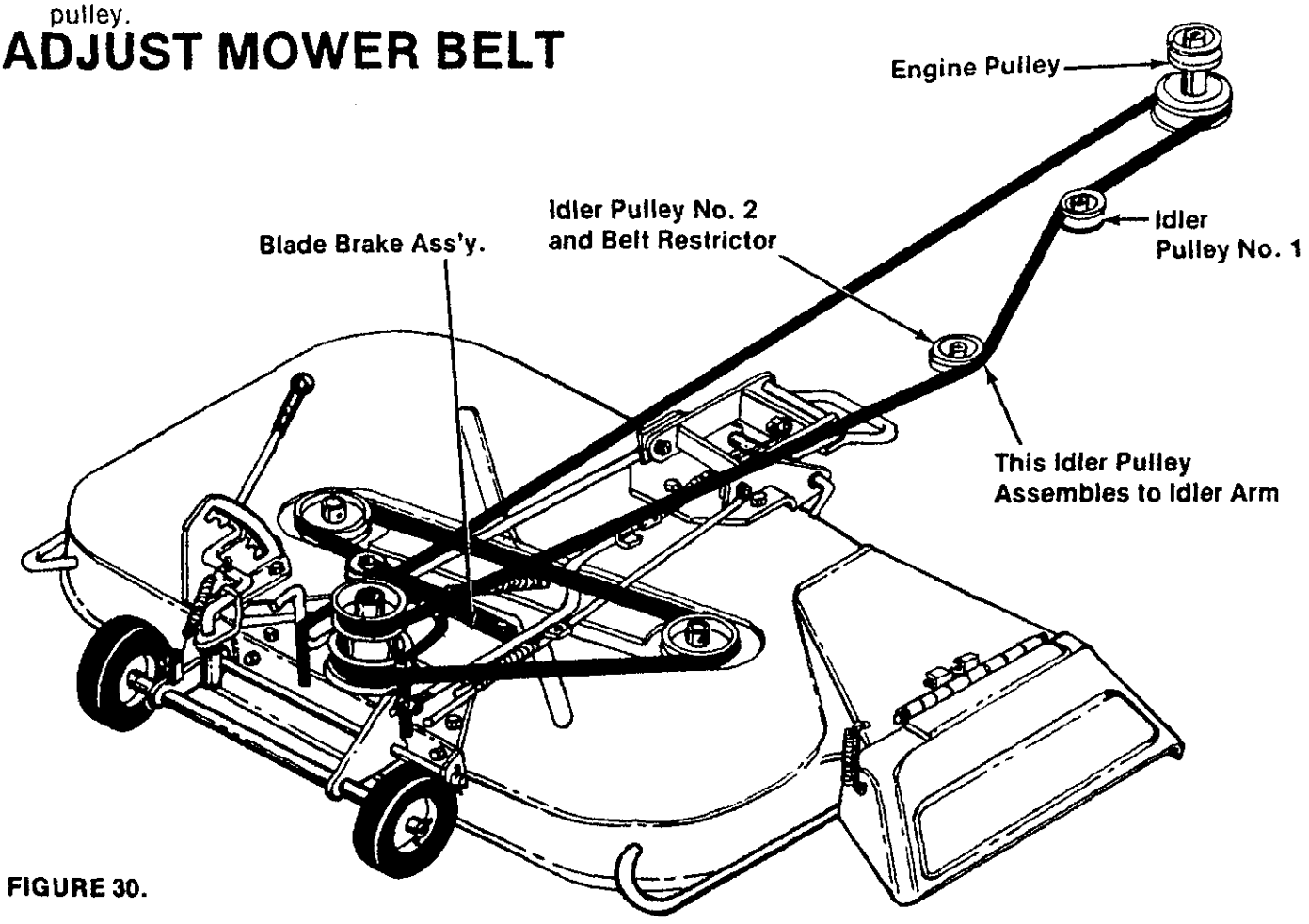


FIGURE 30.

This belt is of a special, high strength construction. However, after 5-10 hours of operation, a slight adjustment may be required. To adjust, move the idler pulley towards the engine pulley about 1/8". To check the belt tension, raise mower height of cut to the highest position. **The belt must release when disengaged.**

Repeat the adjustment if more belt take-up is needed. Additional adjustment can be obtained by movement of idler pulley #2 after idler pulley #1 has been moved the full length of the adjustment slot. To obtain additional adjustment, move idler pulley #2 towards the outside. When the idler pulley has been tightened, relocate the belt restrictor in the positioning slot.

REPLACE TRANSMISSION BELT

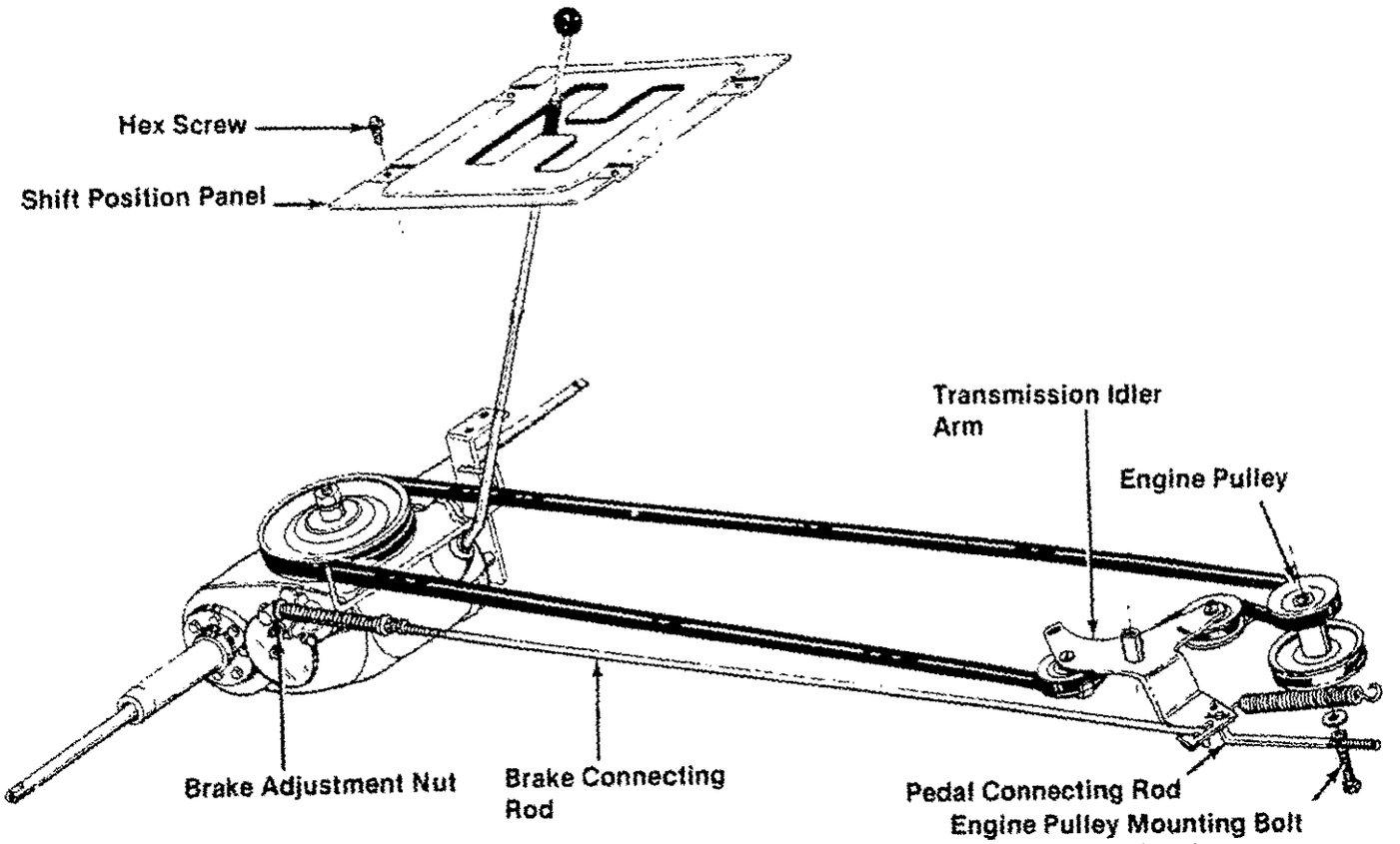


FIGURE 31.

1. To facilitate removal and replacement of the tractor's transmission drive belt, remove the mower deck as explained previously. Drain the oil and gasoline from the engine...remove the battery...and then tilt the tractor on its side to expose the belt assembly.
2. Remove the bolts holding the shift position panel and remove the panel.
3. Remove the mower idler spring and the mower drive idler arm connecting rod.
4. Remove the engine drive pulley mounting bolt. Loosen the set screw in the lower engine pulley hub and remove the pulley.
5. Remove the old belt, slipping it first up and of the transmission pulley, off the engine pulley, and off the two transmission drive idlers. Then work the belt up and over the transmission lever for removal.
6. To install a new belt, reverse the above steps. Be sure the tapered side of the belt is in the pulley groove. In replacement, use only an authorized original equipment belt. Refer to the parts list for the part number of the proper belt.

   Make sure the belt is inside the belt guide rods (near the engine drive pulley and the transmission pulley) and inside the two belt restrictor brackets.

   The front transmission idler (flat) should be on the outside of the belt and the rear transmission drive idler (V type) should be on the inside of the belt. Refer to the installation diagram under the right foot rest.
7. Replace the shift position panel.
8. After the new belt is in position, the clutch and brake should be adjusted. Refer to the Clutch/Brake adjustment on page 18.

ADJUST CLUTCH/BRAKE

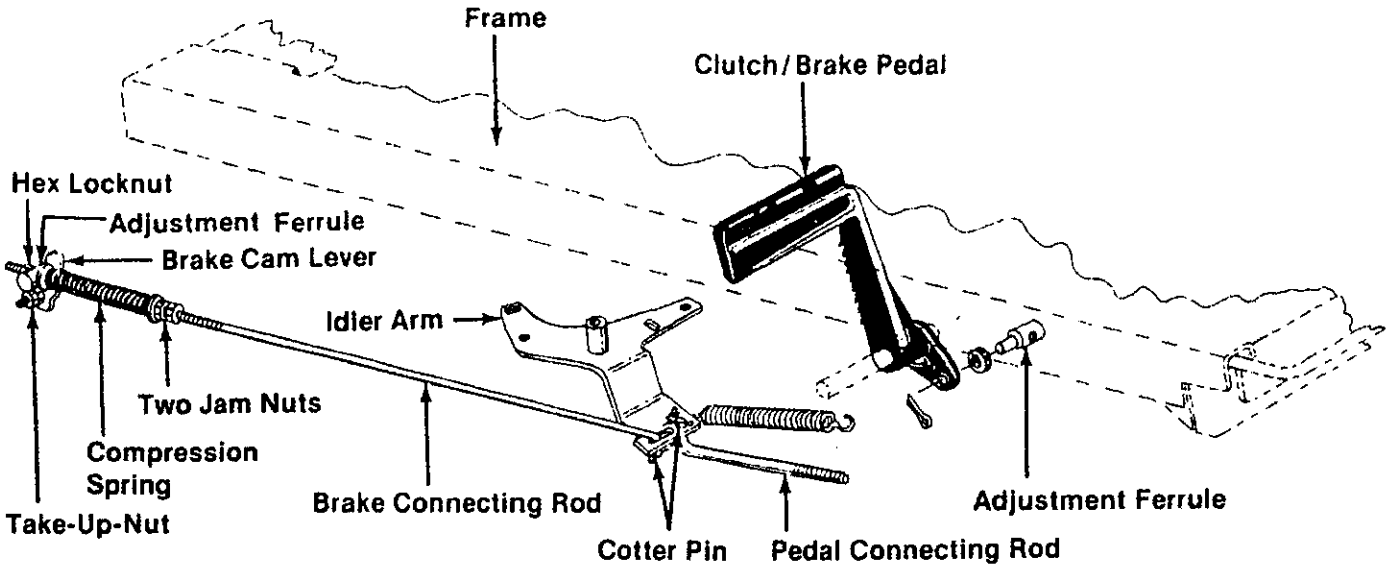


FIGURE 32.

1. To adjust the vertical position of the brake and clutch pedal remove the cotter pin from the pedal connecting rod and thread the rod out or in as required to correctly re-position the pedal.
2. Normal wear of the brake disc may necessitate a slight adjustment to assure good braking action without too much pedal movement. Turn the brake adjustment nut clockwise 1/8 turn at a time and check. Move the transmission shift lever to Neutral and roll the tractor by hand and check the braking action by depressing the brake pedal all the way down.

⚠ CAUTION

Tighten the brake adjustment nut ONLY 1/8 turn at a time to prevent over-tightening and thus causing brake drag and undue wear.

3. The brake connecting rod may need adjustment occasionally if stretching occurs in the transmission drive belt or when a new belt is installed.

   The front end of the rod connects into the slotted hole in the transmission drive idler arm and may be disconnected for adjustment by removing the cotter pin and washer.

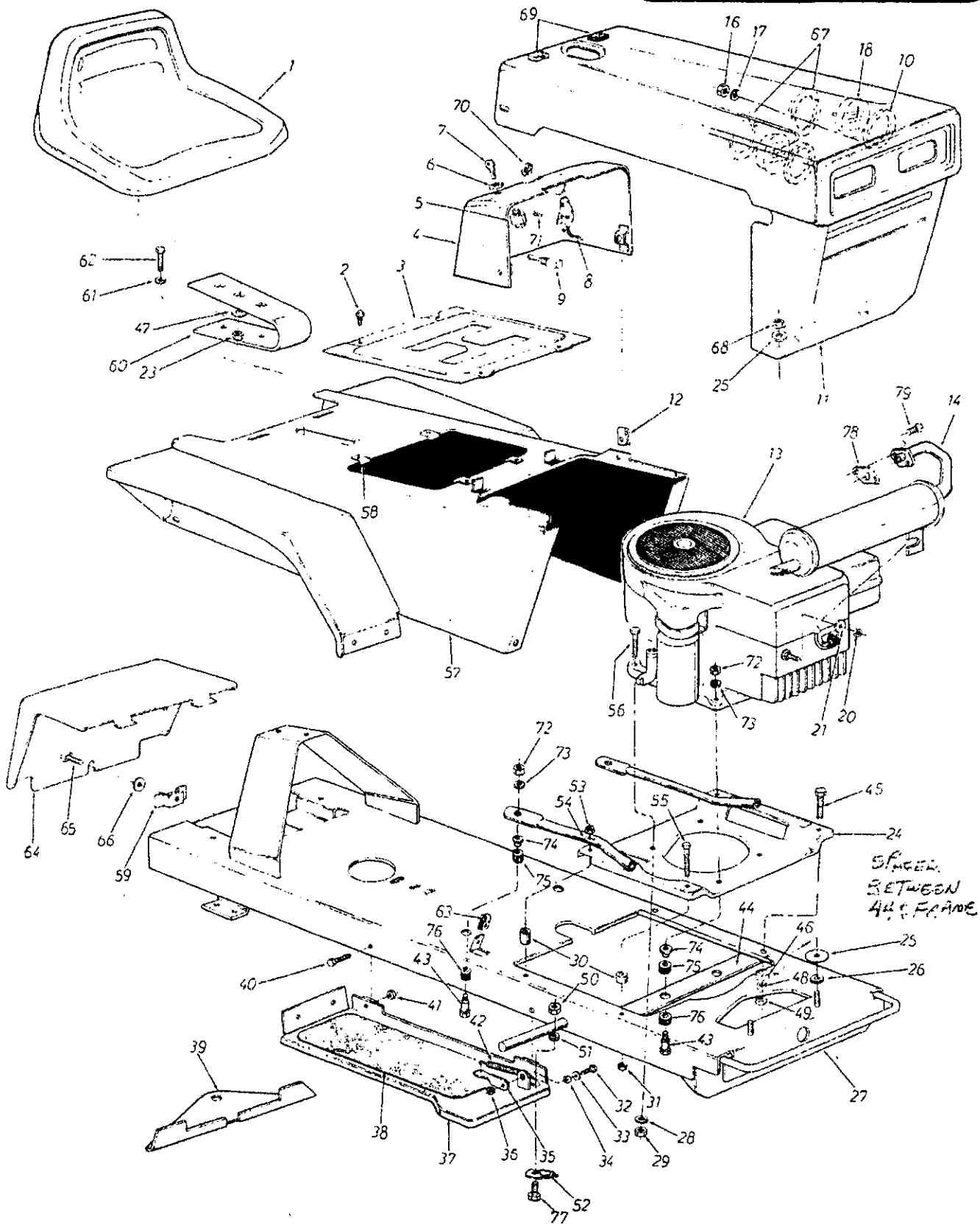
   With the brake-clutch pedal in the released position (drive) and the brake connecting rod held back toward the brake, adjust the rod by threading it in or out until the rod end is centered in the idler arm slot. This adjustment should be maintained in order to avoid brake dragging or belt slipping and to allow movement of the pedal to the clutch position and before application of the brake.

NOTES

13875-9
13885-9

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL



PARTS LIST FOR MODELS 13875-9 AND 13885-9

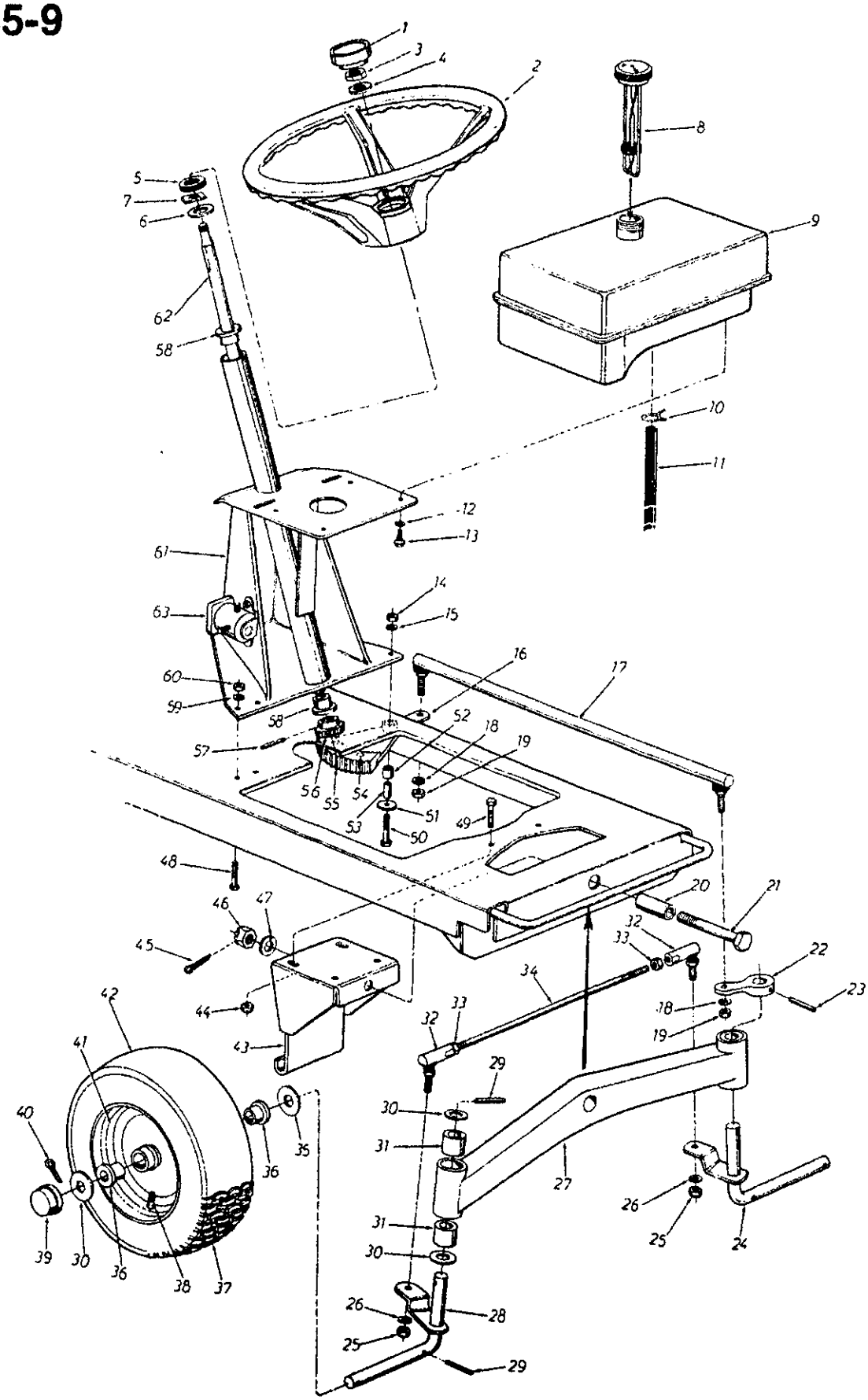
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	4164-018		Seat—Low Back (13875-9)	
	4164-020		Seat (13885-9)	
2	710-0377		Hex Sems Scr. ¼-20 x .62" Lg.*	
3	22242		Shift Position Panel	
4	3159-015		Control Panel Ass'y.	
5	725-0267		Ignition Switch	
6	—		Part of Ref. No. 5	
7	725-0201		Ignition Key	
8	42003		Throttle Control	
9	725-0646		Light Switch	N
10	750-0453		Head Lamp Spacer	N
11	13942		Hood and Grille Ass'y.	N
12	42005		Speed Nut for ¼-20 Thd.	
13	—		8 H.P. Engine (13875-9)	
	—		10 H.P. Engine (13885-9)	
14	751-0260		Muffler Ass'y. (13885-9)	N
16	712-0287		Hex Nut ¼-20 Thd.*	
17	736-0329		L-Wash. ¼" Scr.*	
18	725-0222		Headlight	
20	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
21	736-0159		Fl-Wash. .344 I.D. x .88 O.D. x .063 (13885-9)	
23	712-0206		Hex Nut ½-13 Thd.*	
24	15210		Engine Base Plate Ass'y. (13875-9)	N
	4641-019		Engine Base Plate (13885-9)	
25	736-0133		Fl-Wash. .406" I.D. x 1.25" O.D. x .100	
26	1543-058		Rubber Wash. .38 I.D. x .75 O.D. x .190	
27	15150		Frame Ass'y. I.D. x .217 Lg.	
28	736-0119		L-Wash. 5/16" Scr.*	
29	712-0267		Hex Nut 5/16-18 Thd.*	
30	22550		Engine Mounting Spacer (13885-9)	
31	712-0158		Hex Cent. L-Nut 5/16-18 Thd. (13885-9)	
32	710-0252		Hex Scr. ¼-20 x .75" Lg.*	
33	736-0463		Fl-Wash. .281 I.D. x .62 O.D. x .059	
34	1657-076		Pivot Bushing .50 O.D. x .265 I.D. x .217 Lg.	
35	1609-477		Parking Brake Brkt.	
36	712-0107		Hex Cent. L-Nut ¼-20 Thd.	
37	2207-004		Foot Rest Ass'y.—R.H.	
	61585		Foot Rest Ass'y.—L.H. (Not Shown)	
38	42381		Foot Rest Pad	
39	3609-509		Rear Hitch Brkt.	
40	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
41	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
42	1642-116		Extension Spring	
43	738-0447		Shld. Scr. (13875-9)	
44	15211		Frame Retaining Plate (13875-9)	N
45	710-0442		Hex Scr. 5/16-18 x 1.50" Lg. (13875-9)	
46	22550		Spacer (13875-9)	
47	736-0921		L-Wash. ½" Scr.*	
48	736-0119		L-Wash. 5/16" Scr.* (13875-9)	
49	712-0267		Hex Nut 5/16-18 Thd.* (13875-9)	
50	712-0287		Hex Nut ¼-20 Thd.*	
51	736-0329		L-Wash. ¼" Scr.*	
52	725-~~0280~~0268		Safety Switch	
53	712-0267		Hex Nut 5/16-18 Thd.* (13885-9)	
54	736-0119		L-Wash. 5/16" Scr.* (13885-9)	
55	710-0442		Hex Scr. 5/16-18 x 1.50" Lg.* (13885-9)	
56	710-0528		Hex Scr. 5/15-18 1.25" Lg.*	
57	4118-074		Rear Frame Cover Ass'y.	
58	42104		Speed Nut for ¼-20 Thd.	
59	712-0122		Nut Retainer 5/16-18 Thd.	
60	41379		Seat Spring	
61	736-0119		L-Wash. 5/16" Scr.*	
62	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
63	40115		Speed Nut	
64	4709-039		Battery Access Panel	
65	40441		Thumb Screw	
66	736-0159		Fl-Wash. .344 I.D. x .88 O.D. x .063	
67	09960		Headlight Retainer	
68	1538-022		Hex Nut Flange Self Lock 5/16-18 Thd.	
69	42425		Foam Pad	
70	41433		Plastic Plug	
71	710-0315		Hex Wash. Hd. Self Tap Scr. #8-32 x .62" Lg.	
72	712-0267		Hex Nut 5/16-18 Thd.* (13875-9)	
73	736-0119		L-Wash. 5/16" Scr.* (13875-9)	
74	722-0151		Tube (13875-9)	N
75	722-0149		Load Mount (13875-9)	N
76	722-0150		Rebound Mount (13875-9)	N
77	710-0289		Hex Scr. ¼-20 x .50" Lg.*	
78	721-0169		Gasket	
79	710-0759		Hex Scr. 5/16-18 x .62" Lg.	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(497—Yard-Man Red) When ordering parts if color or finish is important, use color code shown at left. (e.g. Yard-Man Red Finish 15156 (497).)

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."

13875-9
13885-9



PARTS LIST FOR MODELS 13875-9 AND 13885-9

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap	
2	731-0356		Steering Wheel	
3	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
4	736-0242		Belleville Wash. .345 I.D. x .88 O.D.	
5	735-0195		Rubber Wash. .631 I.D. x 1.25" O.D. x .31 Thk.	
6	736-0237		Fl-Wash. .625" I.D. x 1.25" O.D.	
7	712-0222		Push Speed Nut	
8	41618		Gas Gauge	
9	4733-004		Gas Tank	
10	723-0157		Hose Clamp ½" O.D. Hose	
11	1715-003		Gas Line	
12	736-0329		L-Wash. ¼" Scr.*	
13	710-0599		Hex Wash. Hd. Self Tapp Scr. ¼-20 x .50"	
14	712-0130		Hex Ins. L-Nut 3/8-16 Thd.	
15	736-0169		L-Wash. 3/8" Scr.*	
16	61610		Steering Sector Arm Ass'y.	
17	41968		Steering Rod	
18	736-0169		L-Wash. 3/8" Scr.*	
19	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
20	1652-083		Pivot Bearing	
21	1509-122		Hex Scr. ¾-10 x 4.00" Lg.	
22	22238		Collar and Arm (Casting)	
23	715-0101		Spring Pin Spiral ¼" Dia. x 1.50" Lg.	
24	61601		Front Axle Ass'y.—L.H.	
25	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
26	736-0169		L-Wash. 3/8" Scr.*	
27	22257		Pivot Bar Ass'y.	
28	61602		Front Axle Ass'y.—R.H.	
29	715-0246		Spring Pin Spiral 3/16" Dia. x 1.25" Lg.	
30	736-0288		Fl-Wash. .351" I.D. x 1.62" O.D. x .063	
31	1652-084		Axle Brg. (Sintered)	
32	723-0156		Ball Joint Ass'y. 3/8-24 Thd.	
33	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
34	22259		Tie Rod	
35	736-0134		Fl-Wash. .812" I.D. x 1.38" O.D. x .100	
36	42414		Flange Bearing	
37	734-0798		Front Wheel Ass'y. Comp.	
38	734-0255		Air Valve	
39	41502		Hub Cap	
40	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
41	734-0797		Front Wheel—Rim Ass'y. Only	
42	734-0298		Front Wheel—Tire Only—13.0 x 5.0-6	
43	61852		Mower Mtg.—Hitch Ass'y.	
44	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
45	714-0470		Cotter Pin 1/8" Dia. x 1.25" Lg.*	
46	1539-081		Hex Slotted Nut ¾-10 Thd.	
47	1541-006		L-Wash. ¾" Scr.*	
48	710-0259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
49	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
50	710-0427		Hex Scr. 3/8-16 x 2.00" Lg.*	
51	736-0227		Fl-Wash. .390" I.D. x 1.50" O.D. x .134	
52	750-0245		Swing Arm Spacer	
53	42041		Bushing	
54	42047		Rivet	
55	61587		Gear Segment	
56	22246		Pinion Gear	
57	715-0107		Spring Pin Spiral 5/16" Dia. x 1.38" Lg.	
58	741-0293		Flange Bearing	
59	736-0119		L-Wash. 5/16" Scr.*	
60	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
61	13935		Steering Post Ass'y. Comp.	N
62	738-0443		Steering Wheel Shaft	N
63	725-0530		Solenoid	

NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

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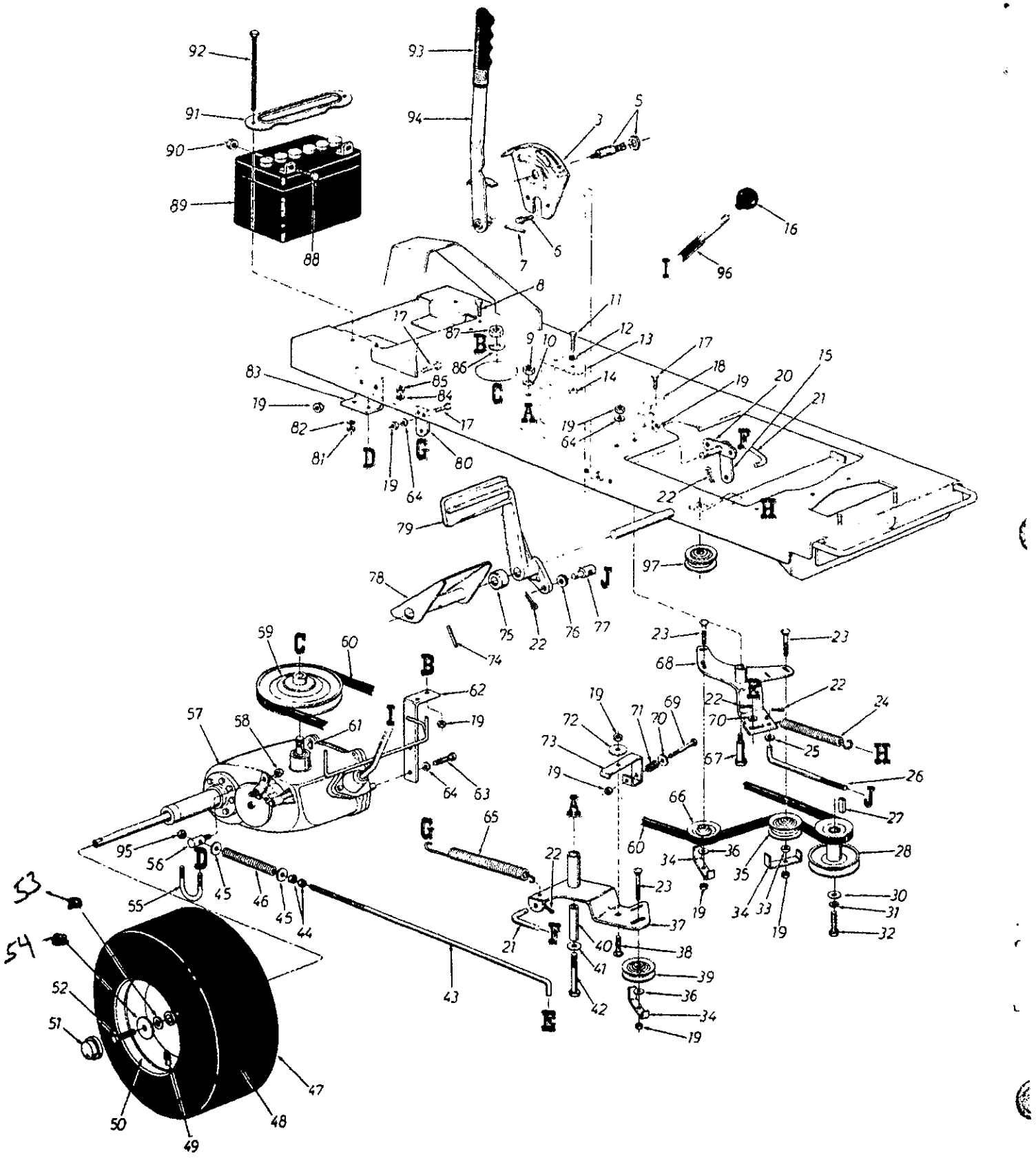

PARTS LIST FOR MODELS 13875-9 AND 13885-9

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
3	3606-157		Lockout Plate	
5	725-0505		Safety Switch	
6	710-0259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
7	715-0101		Spring Pin Spiral ¼" Dia. x 1.50" Lg.*	
8	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.*	
9	712-0204		Hex Ins. L-Nut ½-13" Thd.*	
10	736-0921		L-Wash. ½" Scr.*	
11	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*	
12	736-0258		Fl-Wash. 3/8" I.D. x 1.00" O.D. x .127	
13	1678-029		Mower Guide Yoke	
14	712-0130		Hex Ins. L-Nut 3/8-16 Thd.	
15	61598		Arm Ass'y.—Throw-Out Lever	
16	720-0175		Ball Knob 3/8-16 Thd.	
17	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
18	22396		Belt Guide	
19	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
20	61599		Pivot Ass'y.—Throw-Out Lever	
21	1683-088		Connecting Rod	
22	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
23	710-0458		Carriage Bolt 5/16-18 x 1.75" Lg.*	
24	1642-096		Extension Spring (Drive Idler)	
25	1543-058		Rubber Wash. .38" I.D. x .75" O.D. x .190	
26	22337		Pedal Connecting Rod	
27	714-0114		Sq. Key ¼ x ¼ x 2.00" Lg.*	
28	756-0277		Engine Pulley Ass'y.	
30	736-0257		Fl-Wash. .531" I.D. x 1.25" O.D. x .100	
31	736-0171		L-Wash. 7/16" Scr.*	
32	710-0483		Hex Scr. 7/16-20 x 2.25" Lg.	
33	20142		Fl-Wash. 1.0" O.D. x .692" I.D. x .24	
34	22545		Belt Guard Brkt.	
35	60799		Idler Pulley	
36	736-0264		Fl-Wash. .344" I.D. x .62" O.D. x .063	
37	3169-026		Idler Arm Ass'y.—Deck Drive	
38	710-0451		Carriage Bolt 5/16-18 x .75" Lg.*	
39	42040		"V"-Idler	
40	1648-059		Idler Pivot Tube	
41	736-0192		Fl-Wash. .531" I.D. x .93" O.D. x .090	
42	1509-123		Hex Scr. ½-13 x 4.00" Lg.*	
43	747-0195		Brake Rod	
44	712-0342		Hex Jam Nut 3/8-16 Thd.*	
45	736-0185		Fl-Wash. .406 I.D. x .749 O.D. x .063	
46	732-0324		Brake Spring	
47	734-0760		Rear Wheel Ass'y.—Comp.	
48	734-0448		Rear Wheel—Tire Only 18.0 x 9.50	
49	734-0255		Air Valve	
50	734-0764		Rear Wheel—Rim Ass'y. Only	
51	41502		Hub Cap	
52	710-0627		Hex Scr. 5/16-24 x .75" Lg.*	
53	736-0242		Belleville Wash. 5/16" I.D.	
54	736-0288		Fl-Wash. .351" I.D. x 1.62" O.D. x .063	
55	22247		"U"-Bolt	
56	711-0471		Ferrule	
57	—		Transaxle Comp. (See Page 28)	
58	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
59	756-0267		Transaxle Pulley	
60	754-0204		"V"-Belt ½" x 67" Lg.	
61	714-0129		#4 Hi-Pro Key 3/32" x 5/8" Dia.	
62	61592		Torque Brkt. Ass'y.	
63	710-0643		Hex Scr. 5/16-18 x 1.0" Lg. Spec.	
64	736-0119		L-Wash. 5/16" Scr.*	
65	41977		Extension Spring	
66	41027		"V"-Idler	
67	40118		Shoulder Bolt	
68	2169-028		Idler Arm Ass'y. Comp.	
69	710-0593		Hex Scr. 5/16-24 x 2.25" Lg.*	
70	736-0264		Fl-Wash. .344" I.D. x .62" O.D. x .063	
71	1642-120		Compression Spring	
72	736-0258		Fl-Wash. 3/8" I.D. x 1.00" O.D. x .127	
73	1609-607		Engaging Brkt.—Blade Brake	
74	715-0108		Spring Pin Spiral ¼" Dia. x 1.00" Lg.*	
75	22269		Bushing Spacer	
76	1543-058		Rubber Wash. .38" I.D. x .75" O.D. x .190	
77	22357		Adjustment Ferrule 3/8-16 Thd.	
78	61588		Toe Rest Ass'y.	
79	3663-108		Pedal	
80	1606-171		Spring Mounting Plate	
81	712-0107		Hex Cent. L-Nut ¼-20 Thd.	
82	736-0264		Fl-Wash. .344" I.D. x .62" O.D. x .063	
83	2609-606		Transaxle Hanger Brkt.	
84	736-0169		L-Wash. 3/8" Scr.*	
85	712-0798		Hex Nut 3/8-16 Thd.*	
86	736-0921		L-Wash. ½" Scr.*	
87	712-0922		Hex Jam Nut ½-20 Thd.*	
88	710-0377		Hex Sems Scr. ¼-20 x .62" Lg.*	
89	725-0117		12 V—Battery	
90	712-0107		Hex Cent. L-Nut ¼-20 Thd.	
91	08821		Battery Hold Down	
92	1509-124		Hex Scr. ¼-20 x 5.50" Lg.*	
93	42384		Grip	
94	2169-042		Throw-Out Lever Ass'y.	
95	712-0181		Hex Top L-Nut 3/8-16 Thd.	
96	42247		Shift Lever Sleeve	
97	~~1027-070~~ 1626-070		Idler Pulley	

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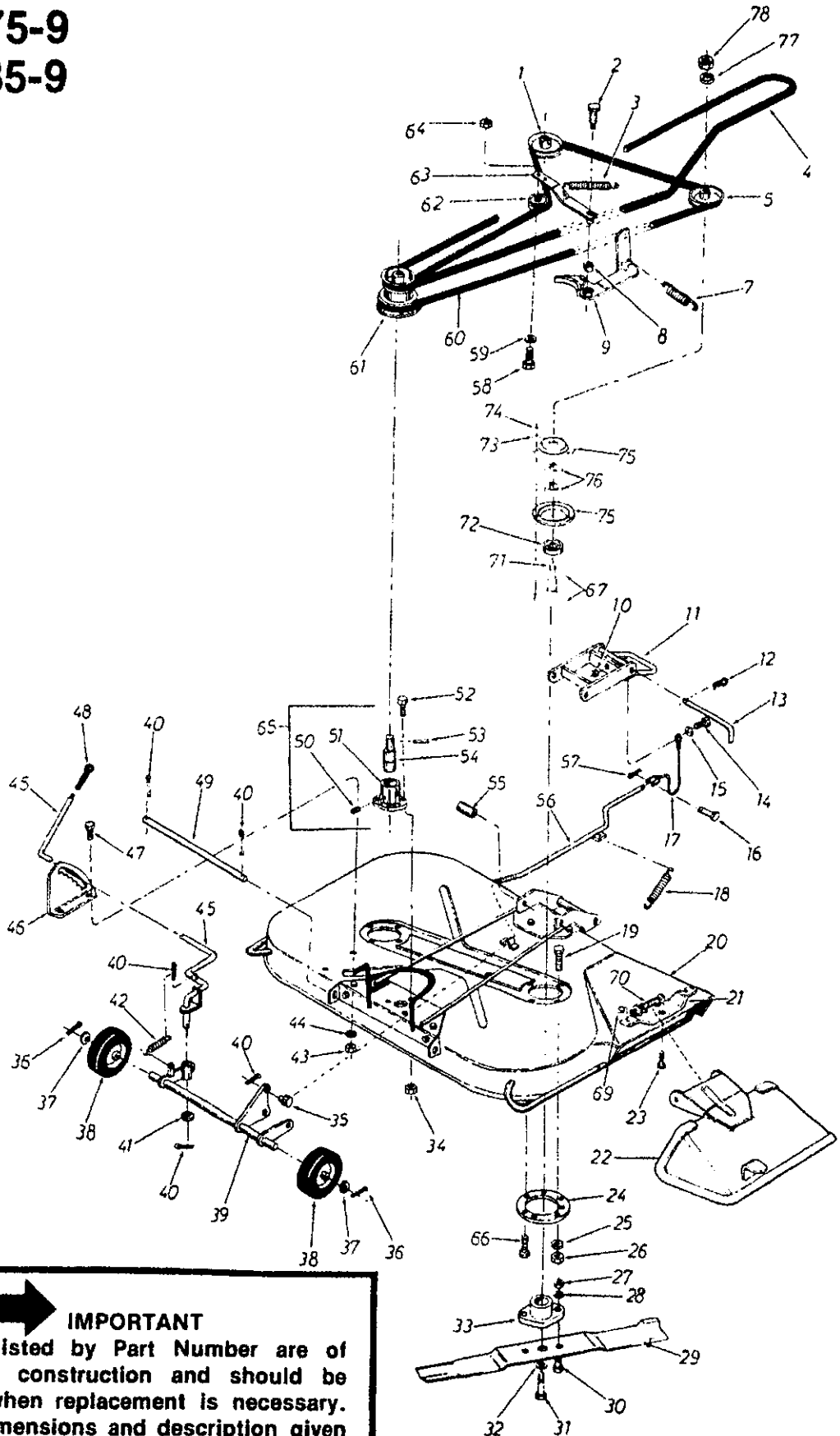

IMPORTANT

Belts listed by Part Number are of special construction and should be used when replacement is necessary. The dimensions and description given are for general reference only and belts purchased by description and dimension generally will only provide temporary service.

PARTS LIST FOR MODELS 13875-9 AND 13885-9

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	2120-077		Blade Spindle Pulley	
2	40118		Shoulder Bolt	
3	41423		Extension Spring	
4	754-0206		"V"-Belt ½ x 49.8" Lg. "A" Section	
5	756-0320		Blade Spindle Pulley	
7	1642-099		Extension Spring	
8	1657-081		Brake Lever Bushing	
19	3169-050		Blade Brake Lever Ass'y.	
10	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
11	61593		Mower Mtg. Hitch Ass'y.	
12	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
13	22256		Hitch Pin	
14	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.*	
15	736-0159		Fl-Wash. .344 I.D. x .88 O.D. x .063	
16	41468		Connecting Pin	
17	41990		Cable Connector	
18	41423		Extension Spring	
19	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
20	15205		36" Deck Ass'y.	
21	11399		Adapter Plate Ass'y.	
22	11633		Chute Cover Ass'y. Comp.	
23	710-0599		Hex Wash. S-Tapp Scr. ¼-20 x .50" Lg.	
24	13778		Spindle Mounting Plate	
25	736-0119		L-Wash. 5/16" Scr.*	
26	712-0267		Hex Nut 5/16-18 Thd.*	
27	736-0119		L-Wash. 5/16" Scr.	
28	712-0123		Hex Nut 5/16-24 Thd.*	
29	742-0204		Blade 18.25"	
30	710-0117		Hex Scr. 5/16-24 x 1.00" Lg.*	
31	710-0459		Hex Scr. 3/8-24 x 1.50" Lg.*	
32	736-0217		L-Wash. 3/8" Scr. H.D.	
33	748-0189		Blade Adapter	
34	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
35	21989		Rod Adjustment Link	
36	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
37	736-0256		Fl-Wash. .635 I.D. x 1.00" O.D. x .03	
38	42389		Wheel—6 x 1.50—Deck	
39	2123-038		Axle Ass'y.—Deck	
40	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
41	41485		Fl-Wash. 17/32 x 1-3/16 x 14 Ga.	
42	41994		Extension Spring	
43	712-0798		Hex Nut 3/8-16 Thd.*	
44	736-0217		L-Wash. 3/8" Scr. Heavy Duty	
45	22234		Height Position Lever Ass'y.	
46	22266		Height Position Brkt.	
47	710-0216		Hex Scr. 3/8-16 x .75" Lg.*	
48	720-0143		Grip	
49	22260		Axle Pivot Shaft	
50	710-0329		Sq. Hd. Set Scr. ¼-20 x .38" Lg. Cup	
51	717-0346		Bearing Housing	
52	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.*	
53	715-0107		Spring Pin Spiral 5/16" Dia. x 1.38" Lg.	
54	22362		Bearing Spindle Ass'y.	
55	42123		Spring Pin Roll ½" Dia. x 1.25" Lg.	
56	61607		Connecting Rod Ass'y.	
57	40140		Hairpin	
58	710-0442		Hex Scr. 5/16-18 x 1.50" Lg.*	
59	736-0159		Fl-Wash. .344 I.D. x .88 O.D. x .063	
60	1651-066		"V"-Belt—4L	
61	756-0266		Pulley Double—Drive Spindle	
62	1626-104		Idler Pulley—Blade Belt	
63	1169-067		Idler Arm Ass'y.	
64	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
65	717-0347		Deck Spindle Ass'y.—Comp.	
66	710-0198		Hex Sems Scr. 5/16-18 x 3/4" Lg.*	
67	714-0365		#6 Hi-Pro Key 5/32 x 5/8 Dia.	
68	15173		36" Deck Ass'y. Comp. (For Service Only)	
69	726-0106		Push Nut ¼" Rod	
70	732-0261		Torsion Spring	
71	711-0255		Blade Spindle	
72	13703		Bearing Shield	
73	736-0119		L-Wash. 5/16" Scr.*	
74	712-0267		Hex Nut 5/16-18 Thd.*	
75	08253		Bearing Housing	
76	741-0919		Ball Bearing .787 I.D. x 1.85" O.D.	
77	736-0158		L-Wash. 5/8" Scr.*	
78	712-0261		Hex Jam Nut 5/8-11 Thd.*	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(497—Yard-Man Red) When ordering parts if color or finish is important, use color code shown at left. (e.g. Yard-Man Red Finish 15156 (497).)

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."

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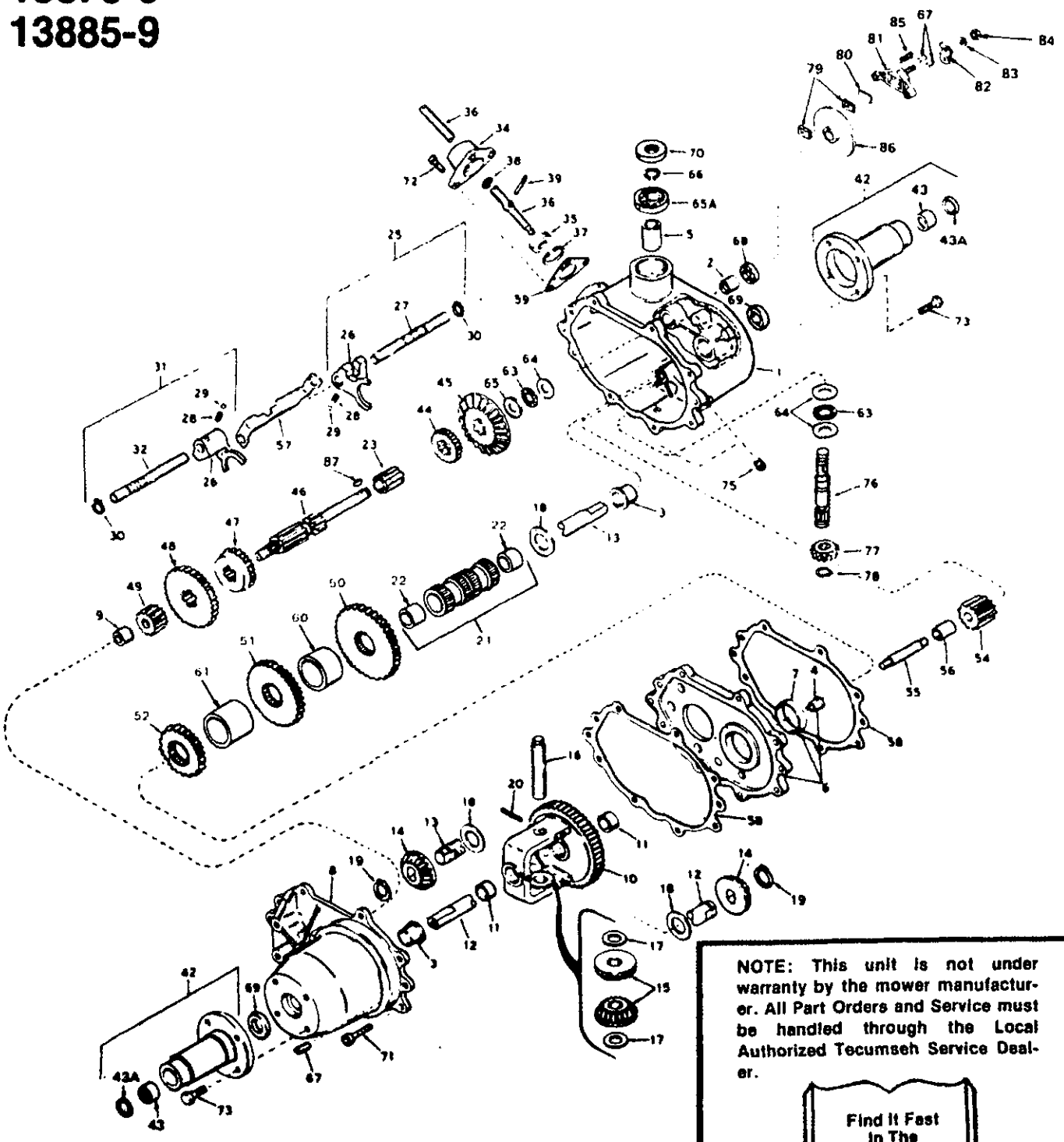

NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.

PEERLESS MODEL 659A

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

TRANSAXLE PARTS NO. 659A

PARTS LIST FOR TRANSAXLE MODEL NO. 659A

REF. NO.	PART NO.	DESCRIPTION
1	PE-770063	Case Ass'y., Transaxle (Incl. Nos. 2, 3 & 5)
2	PE-780086	Bearing, Needle
3	PE-780059	Bearing, Bronze
4	PE-780060	Bearing, Bronze
5	PE-780061	Bearing, Bronze
6	PE-786033	Plate Ass'y., Center (Incl. Nos. 4 and 7)
7	PE-780062	Bearing, Bronze
8	PE-772042	Cover Ass'y., Transaxle (Incl. Nos. 3 and 9)
9	PE-780063	Bearing, Needle
10	PE-778053A	Gear Ass'y., Differential (Incl. No. 11)
11	PE-780064	Bearing, Bronze
12	PE-774353	Axle, Left Hand
13	PE-774354	Axle, Right Hand
14	PE-778067	Gear, Bevel
15	PE-778068	Pinion, Bevel
16	PE-786034	Pin, Drive
17	PE-780065	Washer, Thrust
18	PE-780001	Washer, Thrust
19	PE-778038	Ring, Snap
20	PE-792040	Pin, Roll
21	PE-786080	Sleeve Ass'y., Countershaft (Incl. No. 22)
22	PE-780066	Bearing, Bronze
23	PE-776090	Shaft, Idler
25	PE-784079	Rod Ass'y., Shift (1st and Rev.) (Incl. Nos. 26 thru 30)
26	PE-784004	Fork, Shift
27	PE-784083	Rod, Shift
28	PE-792003	Spring
29	PE-792004	Ball, Steel
30	PE-792017	Ring, Snap
31	PE-784084	Rod Ass'y., Shift (2nd and 3rd) (Incl. Nos. 26, 28, 29, 30 and 32)
32	PE-784085	Rod, Shift
34	PE-784088	Housing, Shift Lever
35	PE-784094	Keeper, Shift Lever
36	PE-784286	Lever, Shift
37	PE-792016	Ring, Snap
38	PE-792001	Ring, Quad
39	PE-792049	Pin, Drive
42	PE-782049	Housing Ass'y., Axle (Incl. Nos. 43 and 43A)
43	PE-530105	Bearing, Needle
43A	PE-788042	Seal, Oil
44	PE-778024A	Gear (16 Teeth)
45	PE-778057	Gear, Bevel (33 Teeth)
46	PE-776138	Shaft, Shifter and Brake
47	PE-778058	Gear, Shifting (2nd and 3rd)
48	PE-778059	Gear, Shifting (1st and Rev.)
49	PE-778060	Gear, Spur (12 Teeth)
50	PE-778140	Gear, Countershaft Drive (39 Teeth)
51	PE-778141	Gear, Countershaft (34 Teeth)
52	PE-778142	Gear, Countershaft (25 Teeth)
54	PE-778064	Gear, Reverse Idler
55	PE-776057	Shaft, Reverse Idler
56	PE-786036	Spacer, Reverse Idler
57	PE-784087	Stop, Shifter
58	PE-788033	Gasket, Case and Cover
59	PE-788003	Gasket, Shift Lever Housing
60	PE-786079	Spacer
61	PE-786078	Spacer
63	PE-780071	Bearing, Thrust
64	PE-780072	Washer, Thrust
65	PE-780073	Washer, Thrust
65A	PE-780093	Bearing, Ball
66	PE-792035	Ring, Snap
67	PE-786026	Pin, Dowel
68	PE-788043	Seal, Oil
69	PE-788009	Seal, Oil
70	PE-788035	Seal, Oil
71	PE-792036	Screw, Flanged Hex Hd., 1/4-20 x 1 1/4
72	PE-792007	Screw, Flanged Hex Hd., 1/4-20 x 3/4
73	PE-792037	Screw, Hex Hd. Sems, 5/16-18 x 1
75	PE-792039	Plug, Pipe, 1/8"
76	PE-776155	Shaft, Input
77	PE-778077	Pinion, Input
78	PE-788040	Ring, Retaining
79	PE-790006	Pad, Brake
80	PE-790007	Plate, Brake Pad
81	PE-790005	Holder, Brake Pad
82	PE-790008	Lever, Brake
83	PE-792076	Washer, Flat
84	PE-792075	Nut, Lock
85	PE-792073	Screw, Hex Washer Hd. Taptite, 1/4-20 x 1 1/4
86	PE-790009	Disk, Brake
87	PE-792045	Key, Woodruff #61

NOTE

The no. 780091 bearing and seal can be used interchangeably with the separate #530105 bearing and the separate no. 788042 seal.

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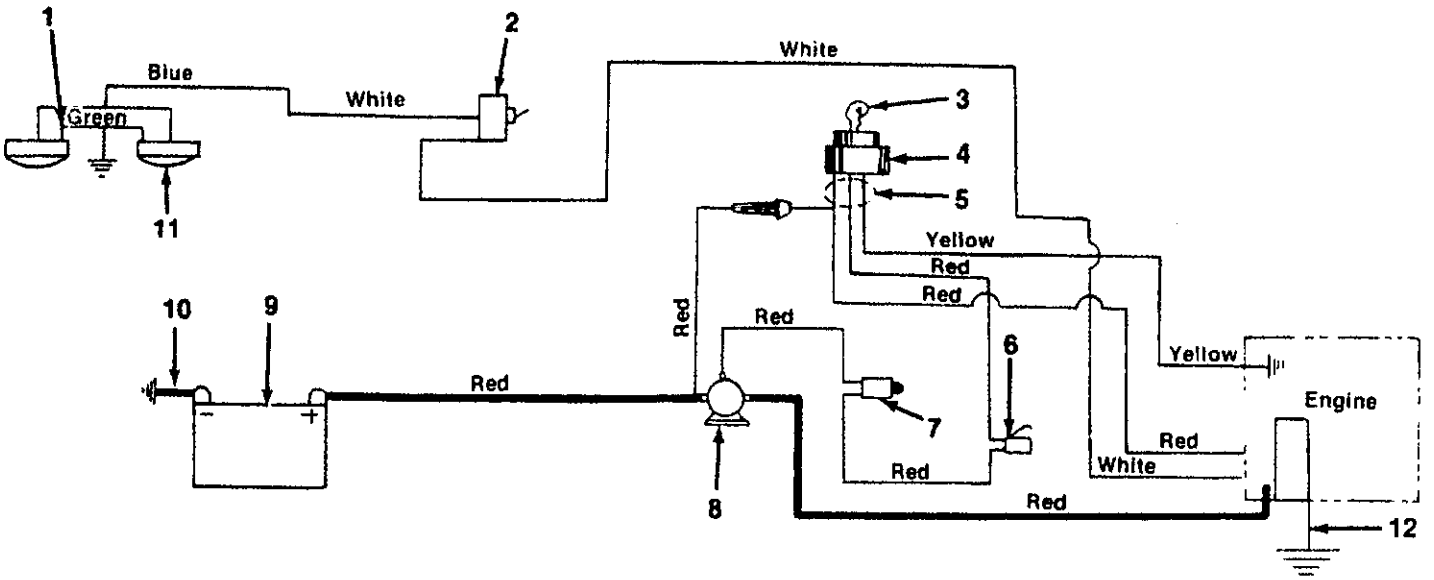

PARTS LIST FOR ELECTRICAL SYSTEM 13875-9 AND 13885-9

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-0663	Electric Wire	N
2	725-0646	Light Switch	N
3	725-0201	Ignition Key	
4	725-0267	Ignition Switch	
5	725-0679	Wire Harness	N
6	725-0268	Safety Switch	
7	725-0277	Safety Switch	
8	725-0530	Solenoid	
9	725-0117	12 V-Battery	
10	1188-018	Electric Wire	
11	725-0222	Head Light	
12	725-0388	Ground Wire (13875-9 Only)	