# OWNER'S MANUAL

# 36" - 11 H. P. RIDING MOWER

## MODEL 5188-4900

## WARRANTY

### Lawn Mower Division Warranty Policy

**ONE YEAR LIMITED WARRANTY**

For one (1) year from date of purchase by the first consumer for residential use (thirty (30) days commercial use), Lawn Mower Division warrants that it will replace free of charge, including labor, any original part of any Lawn Mower Division product found to be defective by any authorized Service Dealer or the factory, except the battery which is warranted for ninety (90) days from date of purchase.

This warranty does not cover engines, transmissions, transaxles or differentials (these items are covered by their manufacturer's own warranty). This warranty does not cover parts that have failed due to normal wear or parts that have failed subject to misuse or abuse. Transportation of the unit or parts to and from an authorized Service Dealer or the factory is the responsibility of the owner.

A step by step explanation as to what procedure should be followed for this Warranty is;

1. If a part becomes defective, contact the store where the unit was purchased for the name and address of the authorized Service Dealer nearest to you.
2. If you cannot locate an authorized Service Dealer, write Service Department of Lawn Mower Division, for the name and address of the authorized Service Dealer in your area.
   ( 800- 247- 7464 MURRAY OUTDOOR PRODUCTS
3. Return the defective product, along with proof of purchase to such authorized Service Dealer for replacement of any defective part where covered by this warranty.

There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose are limited to one (1) year from date of purchase. Liability for incidental or consequential damages are excluded.

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

**Lawn Mower Division** P.O. Box 377 **Des Moines, Iowa 50302**

### UNIT PARTS AND SERVICE

This manual contains instructions for safety, assembly and maintenance. Read this manual carefully and completely so that you will know proper assembly, use and care of your unit. Also fill in and mail the warranty registration card packed with the unit. For service other than covered in this manual, contact an authorized service dealer. A nationwide parts and service organization has been established to provide locally available parts and service. A list of authorized parts distributors has been included in this manual. When ordering repair parts, always give the following information: 1. The Part Name; 2. The Part Number; 3. The Quantity desired; 4. The Full (eight digit) Model Number of the unit. The model number will be found on a plate attached to the unit.

**Look for this symbol. It means — ATTENTION! BECOME ALERT! A HAZARD TO OPERATOR, BYSTANDERS, PROPERTY OR UNIT MAY EXIST.**

**LAWN MOWER DIVISION**
**P.O. BOX 377**
**DES MOINES, IOWA 50302**

Part No 62450 5182

Price $1.00 Printed in U.S.A.

# OPERATIONAL PRECAUTIONS

THESE INSTRUCTIONS ARE FOR YOUR PROTECTION PLEASE READ THEM CAREFULLY

It is **important** when using your **Riding Mower** that certain precautions be taken to **prevent injury or damage.** Please read the following list of precautions before you assemble or use your **Riding Mower.**

1. Know the controls and how to stop quickly. Read the Owner's Manual. Wear safety glasses or eye shields when assembling or operating unit.

2. Disengage all attachment clutches, shift to neutral, and set parking brake before attempting to start the engine. Unless these steps are followed, the engine will not start because of safety interlock or lockouts. When starting your engine or mower equipped with a pull starter, stand firm and make sure your feet are well away from the blade(s).

3. When using vehicle with mower:

   A. Do not operate this mower without either the chute deflector or an entire grass catcher in place.

   B. Mow only in daylight or good artificial light.

   C. Never make a cutting height adjustment of housing guide wheel while engine is running.

   D. Shut engine off when removing grass catcher and/or unclogging chute.

   E. Do not operate mower when barefooted. Always wear substantial footwear, preferably steel-toed shoes. Do not wear loose fitting clothing that could get caught in any moving parts.

   F. Always keep clear of discharge chute or any moving parts while engine is running.

4. Always place the blade control lever in a disengaged position when not cutting grass, such as when crossing a gravel driveway or roadway and when transporting the mower.

5. Disengage power to attachments, stop engine, remove ignition key, and set parking brake before leaving operator position. Always dismount on the side away from the discharge chute.

6. Handle gasoline with care; it is highly flammable.

   A. Use only approved gasoline containers.

   B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.

   C. Check your fuel supply before each use allowing space for expansion as the heat of the engine and/or sun can cause gasline to expand.

   D. Never store gasoline or equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Never store your mower for prolonged periods (more than 15 days) with gasoline in the tank. Store gasoline and your mower in a locked safe storage area secure from children and others.

7. Allow engine to cool before storing in any enclosure.

8. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.

9. Do not allow children to operate the mower. Never allow adults to operate it without proper instructions.

10. Never attempt to carry passengers. Their safety, as well as yours, may be in danger. Do not allow others, including children and pets in the area while operating the mower. Be especially watchful for children and passersby. Place the blade control lever in a disengaged position and stop the engine while others are in the vicinity of the mower.

11. When using any attachments, never direct discharge of material toward bystanders or allow anyone near the vehicle while in operation.

12. Clear work area of objects which may be picked up and discharged by the mower. (These include rocks, stones, wires, cans, boards, branches, bones, and other foreign objects).

13. Vehicles and attachments should be stopped and inspected for damage if vibration developes or after striking a foreign object. Any damage should be repaired before restarting and operating the equipment.

14. Stay alert for holes in terrain and other hidden hazards. Exercise care when mowing around fixed objects in order to prevent blade(s) from striking it. Never deliberately run a power mower over any foreign object. Always disengage blade control before attempting to remove the mower from a hole or other obstruction.

15. Keep all nuts, bolts and screws tight to be sure equipment is in safe working condition. Check blade mount nuts or bolts for proper tightness at frequent intervals.

16. Keep vehicle and attachments in good operating condition and keep safety devices in place.

17. Disengage power to attachments, stop engine, remove ignition key, set parking brake and remove spark plug before working on any part of the mower or making any adjustments.

18. Do not change engine governor settings or overspeed engine.

19. Check grass catcher bag frequently for wear and/or deterioration. Replace with new bag for protection.

20. Do not stop or start suddenly, especially when going uphill or downhill. Mow slowly when on slopes and mow up and down the slope, never across it. On slopes, be very cautious and avoid sharp turns to prevent tipping or loss of control. Exercise caution when changing direction on slopes. Never operate your lawn mower in wet or slippery grass where direction is unsure or at a speed which could cause a skid. Avoid shifting gears on an incline whenever possible. If necessary, be sure brake is applied when shifting.

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

22. Do not run the engine indoors. Open doors if engine is run in garage. Exhaust fumes contain carbon monoxide gas which is odorless and a deadly poison.

23. 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. Never shift gears to reverse your direction until the mower comes to a complete stop. Do not operate your mower with the parking brake engaged.

24. Take all possible precautions when leaving the vehicle unattended, such as disengaging the power take-off, lowering attachments, shifting into neutral, setting the parking brake, stopping the engine, and removing the key.

DYNAMARK 1136

## OWNER'S INFORMATION

Record the following information about your unit so that you will be able to provide it in case of loss or theft

PURCHASE DATE: 6 / 22 / 83 MODEL NO. ~~5188-4900~~ 5188-4901 CODE NO. 3090 SERIAL NO. 320621

DEALER'S NAME AND ADDRESS SPITZER IND. (PARTS) 287-3414

CITY _____ STATE _____ TELEPHONE _____

## WARNING

**This unit is equipped wth an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered, 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. See your authorized Engine Service Dealer for proper spark arrester muffler for the engine on your unit.**

## CONTENTS OF SHIPPING CARTON

1 - 36 inch Riding Mower
1 - Steering Wheel (with roll pin partially installed)
1 - Engine Manual

## TOOLS REQUIRED FOR ASSEMBLY

1 - ½ inch Wrench (or adjustable wrench)
1 - 7 16 inch Wrench (or adjustable wrench)
1 - Hammer (plastic or rawhide preferred)

## ⚠ DANGER ⚠

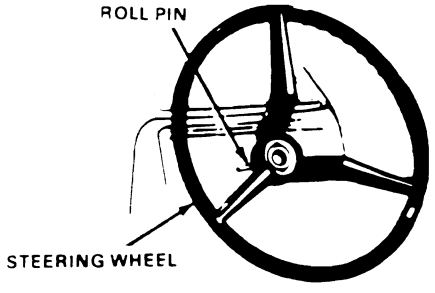
**The operation of any powered equipment can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while assembling or operating power equipment.**

# ASSEMBLY

## STEERING WHEEL ASSEMBLY

1. Position front wheels straight forward
2. Push steering wheel (figure 1) onto steering shaft.
3. With one spoke of steering wheel straight up, align cross holes in steering wheel with holes in steering shaft
4. Drive roll pin through holes with hammer

Figure 1




## TO ACTIVATE BATTERY

1. Raise seat and remove battery ground cable (black) from battery negative terminal (figure 2) and tie back.

2. Remove positive battery cable (red) from battery positive terminal (figure 2) and tie back.

## ⚠ CAUTION ⚠

**When removing battery cables from battery, remove negative (black) cable first. When installing cables onto battery, install positive (red) cable first. When connecting or disconnecting either cable, be sure that wrench does not touch any metal surface or both terminals as damage to electrical system could result.**

3. Remove two wingnuts from battery hold-down bracket (figure 2). Remove bracket and unhook battery hold-down rods.

4. Lift battery out of unit.

5. Fill battery with electrolyte battery acid available at most service stations or auto supply stores (**follow instructions outlined on electrolyte package**).

## ⚠ DANGER ⚠

**Handle electrolyte with care. It is an acid and can be dangerous. Do not smoke while servicing battery**

6. Allow battery to set for 20 minutes after filling. Battery will usually be strong enough to start engine if battery charger is not available.

7. For best battery life and service, battery should be trickle charged at two (2) to three (3) Amps overnight. **NOTE:** Battery can be boost charged at seven (7) Amps for thirty (30) minutes if closely monitored to make sure acid does not boil over.

8. Reinstall battery and be sure cables are correctly installed (**red cable goes to positive (+) post**).

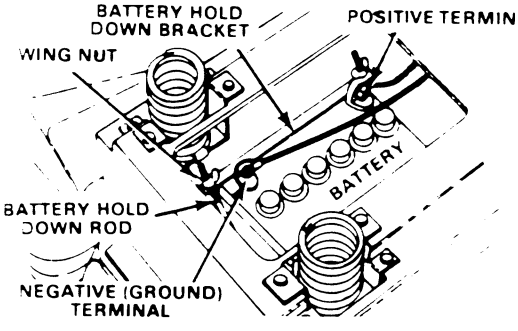



Figure 2

## TO SERVICE ENGINE

1. Place unit so engine is in a level position.
2. Fill engine crankcase with oil. See **Engine Operation and Maintenance Manual** for proper procedure.
3. Reinstall oil fill cap (figure 3) and tighten securely.
4. Fill gas tank (figure 3) with clean, fresh, regular grade automotive gasoline. Low-lead gasoline is an acceptable substitute. **Do not use Ethyl, high octane gasoline or**

**Gasohol.** Be certain container is clean and free from rust or other foreign particles. Never use gasoline that may be stale from long periods of storage in the container.

**⚠ DANGER ⚠**

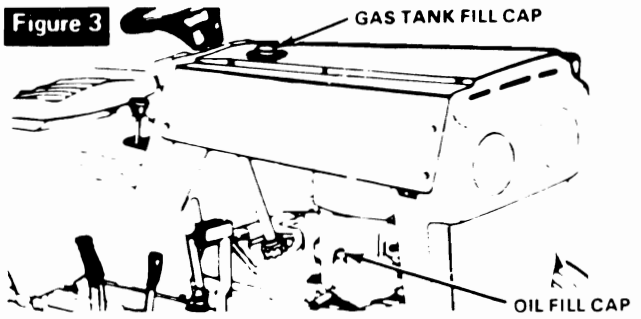
**Never fill the gas tank while the engine is running or is hot. Immediately wipe off any spilled gasoline before attempting to start engine.**

5. Check tire pressure. Correct tire pressure (12 to 15 pounds) should be printed on sidewall of tires. Be sure that tires are inflated equally on both sides.

6. Check all nuts and bolts to be sure none are loose.

7. Check to make sure that spark plug is tightened securely into engine and spark plug wire is attached to spark plug.

Figure 3




## OPERATION


The operation of any powered outdoor equipment can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before beginning riding mower operation. We recommend Wide Vision Safety Mask for over spectacles or standard safety glasses.

Get to know your riding mower and its controls. Be sure you (or any other operator) have read and understood the **Operational Precautions** listed on page 2 of this manual.

Your new mower will give years of service if cared for properly. Never run into trees, curbs, etc. Service regularly and store in dry area. Operate your mower at slow speeds until you become familiar with the machine. Avoid sharp turns at high speed and uphill or downhill turns. Operate mower carefully. Be especially cautious on hills. When riding down inclines, keep shift control in low speed with brake-clutch pedal out. This helps the engine control the speed. Use brake for fast stops on hills.

**⚠ DANGER ⚠**

**DO NOT operate this mower without either the chute deflector or an entire grass catcher in place. A riding mower can be dangerous to operate if misused. On slopes, be very cautious and avoid sharp turns to prevent tipping or loss of control.**

## CONTROLS

Figures 4 and 5 show all operating controls. The controls and their functions are as follows:

- **Throttle Control Lever** - Regulates engine speed and is used to choke engine.
- **Ignition/Headlight Switch** - Used to start, and stop engine and turn headlights on and off. Turn key all the way right to 4th position to start engine. When key is released after starting engine it will return to 3rd (engine runs with headlights off) position. To turn headlights on, turn key left to 2nd (engine runs with headlights on) position. To stop engine, turn key left to 1st position. Remove key to lock ignition.
- **Ammeter** - Indicates whether battery is being recharged (+) or discharged (-) when engine is running. If discharge (-) is indicated while engine is running, have engine charging system checked by a competent engine repairman.
- **Shift Control Lever** - Used to select forward speed ranges as well as direction of motion (forward-neutral-reverse). Forward speed ranges are labeled 1-2-3.

  No. 1 range is slowest forward speed (used for cutting tall or heavy grass), best gear for traveling up steep hills or when pulling heavy loads.

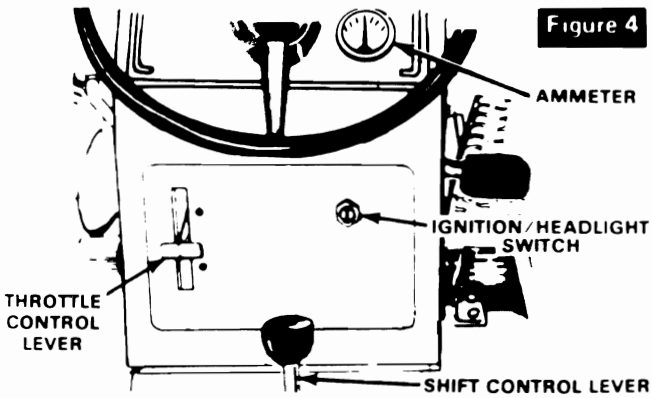
  No. 2 range is for light mowing.

  No. 3 should be used only when transporting mower.

**⚠ CAUTION ⚠**

**Come to full stop before changing gears.**

Figure 4




- **Brake-Clutch Pedal** - This is a dual purpose control. Press pedal halfway down to disengage clutch. It is used for changing speed range or direction of travel (forward or reverse). Release pedal to engage clutch. With pedal completely depressed, brake is applied.
- **Parking Brake Lever** - Used to lock brake-clutch pedal in brake position.
  1. Depress brake-clutch pedal fully, engaging brake.
  2. Push parking brake lever forward and engage lever in notch of brake pedal.
  3. To release parking brake, apply pressure to pedal and spring will release parking brake lever.
  4. Check gear shift positions and know operating intentions before releasing brake.
- **Cutting Height Adjustment Lever** - Used to change height of cut.
  1. Grasp lever (figure 5) with right hand and push outward to disengage lever from notch on quadrant.
  2. Move lever to desired cutting height (toward rear of unit for high cut and forward for low cut).
  3. After positioning lever at desired height of cut be sure lever engages notch on quadrant completely. The front notch on quadrant is lowest cutting height and rear notch is highest cutting height. Other notches change height of cut approximately ½ inch each.

- **Mower Clutch Lever** - Used to connect or disconnect power to cutting blades. Become thoroughly familiar with operation of this control.

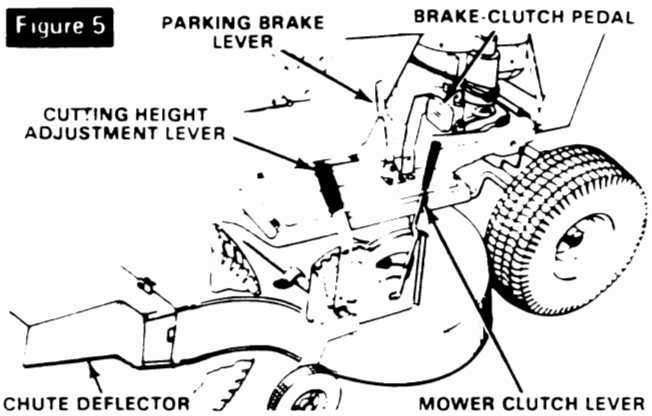
  1. Move lever toward front of unit and latch into notch on quadrant to engage power to blades.
  2. Move lever toward rear of unit to disengage power to blades and to apply blade brake.
  3. The mower clutch control allows you to disconnect the power source from the blades at any time while power to the drive wheels is still maintained and controllable. With mower clutch lever moved all the way to OUT (rearward) position, blades should stop in a safe period of time.
  4. Always move mower clutch lever slowly to the IN (forward) position. **Never "snap" the lever.** It is also important to place lever to IN position while engine is running at FAST speed. This prevents excessive strain to belt.
  5. **Mower clutch lever must always be in full OUT positionto start engine. Never place lever in IN position until engine is warmed up and operator is on unit ready to start mowing. Always return lever to OUT position before dismounting from unit.**

**⚠ DANGER ⚠**

**Blades will not stop immediately. Keep hands and feet from under mower and away from the discharge chute.**

  6. Use OUT position when using unit as a tractor for yard jobs such as pulling a roller, seeder, sweeper or other accessories.

Figure 5




## TO START ENGINE

**IMPORTANT:** Your mower has two lockout switches that connect the solenoid to the brake-clutch pedal and blade engage control lever. When starting engine, the brake-clutch pedal must be fully depressed and blade engage lever must be in full OUT position to engage the lockout switches. **ENGINE WILL NOT CRANK UNLESS THESE CONDITIONS ARE MET. NOTE:** Engine is supplied with **NO OIL. Be sure that oil has been added.** To start engine, proceed as follows:

1. Depress brake-clutch pedal and set shift lever to NEUTRAL.
2. Place mower clutch lever to OUT position.
3. Place throttle control lever to START position.
4. Turn ignition key to START.
5. After engine starts, move throttle control lever to desired engine speed.

**⚠ DANGER ⚠**

**Never run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas.**

**Keep hands, feet, hair and loose clothing away from any moving parts on engine or riding mower.**

**WARNING - Temperature of muffler and nearby areas may exceed 150° F. Avoid these areas.**

## RIDING ROTARY OPERATION

Take a comfortable riding position on the unit and start engine as outlined. After engine warmup, depress brake-clutch pedal halfway and move shift control lever to desired forward gear. **Release clutch pedal slowly and mower will move forward. Until you get the feel of the unit, stay in the low speed position.** With mower blades stopped, make your first run in a large, open, level area. Learn to stop, start and change directions in this area.

To put unit in reverse, depress brake-clutch pedal and move gear shift lever to reverse location. **Do not force the shift lever.** Always depress brake-clutch pedal and bring mower to a full stop.

To change speed range, depress brake-clutch pedal, come to complete stop, and move shift lever to desired location. **Never force shift lever.**

Your engine speed is controlled by a built-in governor. A faster speed within a selected speed range can be obtained by speeding up the engine operating speed. For this reason, it is necessary that the proper speed range be selected for the cutting conditions encountered. See paragraph **Mowing Hints** for further information.

To stop engine, turn ignition key to OFF position.

Once you learn to maneuver your unit, slowly move mower clutch lever to IN position to stat mowing. To stop blades, move lever to OUT position.

**⚠ CAUTION**

1. **KEEP ALL SHIELDS IN PLACE.**
2. **BEFORE LEAVING OPERATOR'S POSITION:**
   - **A. SHIFT TRANSMISSION TO NEUTRAL**
   - **B. SET PARKING BRAKE**
   - **C. DISENGAGE ATTACHMENT CLUTCH**
   - **D. SHUT OFF ENGINE**
   - **E. REMOVE IGNITION KEY**
3. **WAIT FOR ALL MOVEMENT TO STOP BEFORE SERVICING MACHINE.**
4. **KEEP PEOPLE AND PETS A SAFE DISTANCE AWAY FROM MACHINE.**

## MOWING HINTS

One of the important things to learn about all rotary, and especially riding, mowers is that the forward speed of the machine must be controlled in accordance with the type and quantity of grass being cut. In other words, the more grass that must be cut, the slower the speed forward should be. When cutting light grass, the forward speed can be increased. By observing the cutting action of your mower, you can determine how fast you can travel. Your machine is

very maneuverable and can be reversed to back out of dead ends.

Your mower may tend to leave unmowed strips when long and tender grass is being mowed. Tender grass has a high internal moisture content is easily depressed by the mower wheels, and may not always spring back in time to be cut. To overcome this condition, we advise mowing the lawn in a counterclockwise direction, overlapping previous cut, which allows the lifting action of the rotating blades to lift the grass into the cutting path.

It is possible to spin the drive wheels of the unit under adverse conditions. The wheels are driven by a transaxle unit similar to an automobile differential. This makes short turns possible and prevents marring of the lawn. When one wheel slips, shift your weight over this wheel to obtain more pulling power.

**KEEP THE MOWER CLEAN.** Grass clippings may pack under the mower chassis due to the internal moisture content of the grass. This accumulation of cut grass should be removed after each mowing. Disconnect spark plug wire, remove ignition key and scrape accumulation off with a putty knife or similar tool. Cleaning of the underside is easier if mower deck is removed. See paragraph **Mower Deck Removal.**

**⚠ DANGER ⚠**

**Keep hands, feet, hair and loose clothing away from any moving parts on engine or riding mower when making any adjustments that requires engine to be running.**

## ADJUSTMENTS

### INTRODUCTION TO MECHANISM ADJUSTMENTS

Located beneath the main frame is a v-belt that transmits power to the transaxle which, in turn, transmits power to the rear wheels, a v-belt that transmits power to the two mower blades, and linkage that connects the brake-clutch pedal to the brake and the clutch.

Located on the mower deck is a clutch that disengages power to the blades and a deck leveling adjustment.

To replace drive belt, you must remove mower deck. Removal of deck isn't necessary for other adjustments, but if several adjustments are needed, it will be more convenient if deck is removed.

**⚠ CAUTION ⚠**

**At no time during the adjustments or repairs can the unit be lifted more than 20 inches from level position without taking the following precautions:**

**1. Remove gasoline from tank and run engine until carburetor is dry.**

**2. Remove battery (see steps 1 through 3 in paragraph To Activate Battery in Assembly section of this manual).**

**3. Remove oil from crankcase.**

Before any adjustments are made, it is necessary that you understand the interrelationship of the brake, the clutch, and the brake-clutch pedal. The pedal disengages the clutch when partially depressed. Adjustment of brake-clutch must be synchronized so brake does not grab before clutch disengages.

A steering gear adjustment is located under the hood above the main frame.

**⚠ DANGER ⚠**

**Always stop the engine, remove ignition key and disconnect spark plug wire before making any adjustments or repairs to the riding mower.**

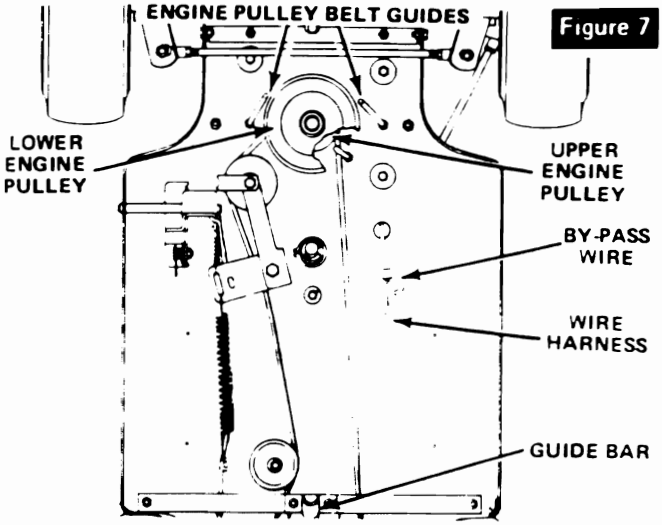


Figure 7

### MOWER DECK REMOVAL.

1. Disconnect spark plug wire and turn unit wheels maximum left. Block up front of mower deck.

2. Set mower clutch lever to the disengaged position to relieve tension on the mower blade drive belt.

3. Disconnect the deck safety wire at quick disconnect (figure 7) under main frame. **NOTE:** The by-pass wire must be connected to the solenoid wire on the main frame in order to start the engine.

4. Remove hairpin cotter from pull pin on the front of the mower deck and remove pull pin (figure 8).

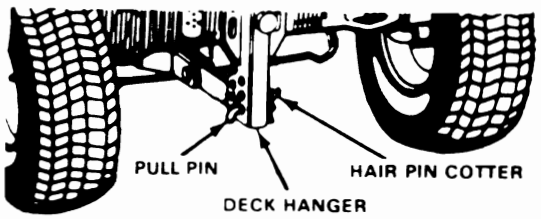


Figure 8

5. Move mower deck forward to free rear deck guide (figure 9) from rear deck guide bracket (figure 7), the loosen belt guides (figure 7) on engine pulley and remove mower deck drive belt from engine pulley.

6. Deck can now be worked out from under the right side of unit. **NOTE:** Deck removal will be easier if front of unit is raised enough to allow deck hitch to slide out under right front wheel, and if chute deflector is removed.

7. Chute deflector is removed by removing two cotter pins from top rear of deck (see figure 9).

8. Installation of deck is reverse of removal.

9. Reconnect deck wire to unit wire assembly and reconnect spark plug wire.

### MOWER DECK LEVELING ADJUSTMENT

The cutting height (from blade tip to ground) should be from 0 inch to ⅛ inch less at front of deck than at rear of deck. To

**adjust:**

1. Disconnect spark plug wire.

2. Measure height of blade from level floor at front and rear deck (make sure tires are properly inflated). If distances are equal or not more than ⅛ inch less in the front, no adjustment is necessary.

3. If adjustment is necessary, place cutting height adjustment lever in extreme low cut position (full forward).

4. Place a block under front of mower deck (figure 9) to remove weight from the unit. Lift cable will be slack.

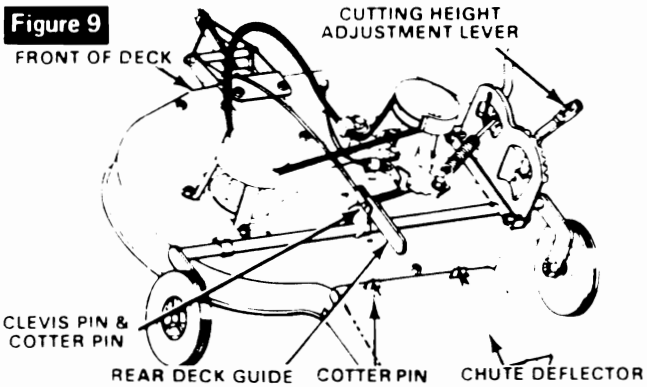
5. Remove cotter pin from clevis pin. Remove clevis pin.

6. Turn rear clevis clockwise to raise front of deck. Turn counterclockwise to lower front of deck. Each 1½ complete turns of clevis represents approximately ⅛ inch change in the front of mower deck.

7. Reinstall clevis and clevis pin. Remove block. Check front and rear measurements. If measurements are correct, reinstall cotter pin. If more adjustment is necessary, repeat preceding instructions.

8. Reconnect spark plug wire.

**Figure 9**




## BRAKE ADJUSTMENT

This unit is equipped with an adjustable disc brake mounted on the transaxle. The brake must be adjusted if, when pedal is fully depressed, the clutch is disengaged but brake is ineffective in stopping the machine. **To adjust:**

1. Disconnect spark plug wire and loosen jam locknut on brake unit (figure 10).

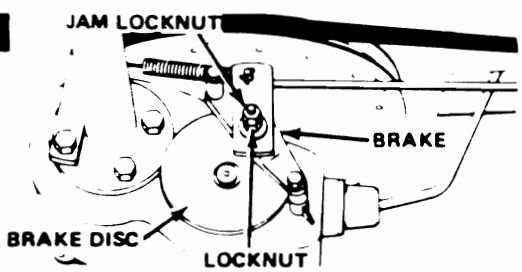
2. Turn locknut clockwise until brake pads just clear brake disc.

3. Tighten jam locknut while holding locknut with wrench to prevent adjustment change.

4. Press brake pedal to check synchronization of brake and clutch as outlined in paragraph **Brake-Clutch Synchronization.**

5. Reconnect spark plug wire.

**Figure 10**




## BRAKE-CLUTCH SYNCHRONIZATION

Brake adjustment should be made before attempting synchronization.

An incorrect adjustment causes brake to grab or hold while power is being transmitted. Unit will try to move with brakes applied. This will cause difficulty when shifting from one speed range or direction to another. Brake should apply immediately after clutch disengages when pedal is being depressed. **To check and adjust synchronization:**

1. Disconnect spark plug wire.

2. Place shift lever in NEUTRAL and press pedal all the way down. Drive idler pulley (figure 11) should pull the v-belt away from drive pulley enough that the v-belt is not under tension and is free around drive pulley. It should not be possible to push the unit without sliding the wheels. If the wheels slide, the brake is properly applied and the adjustment is synchronized.

3. Any deviation from the above is an unsynchronized adjustment and must be corrected.

4. If, when pedal is pressed down the idler does not pull the v-belt away from drive pully before the brake takes hold, adjust as follows:

   A. Remove cotter pin holding brake rod to brake-clutch pedal (figure 11).

   B. Turn brake rod a turn or two out of the pivot block at transaxle end of rod.

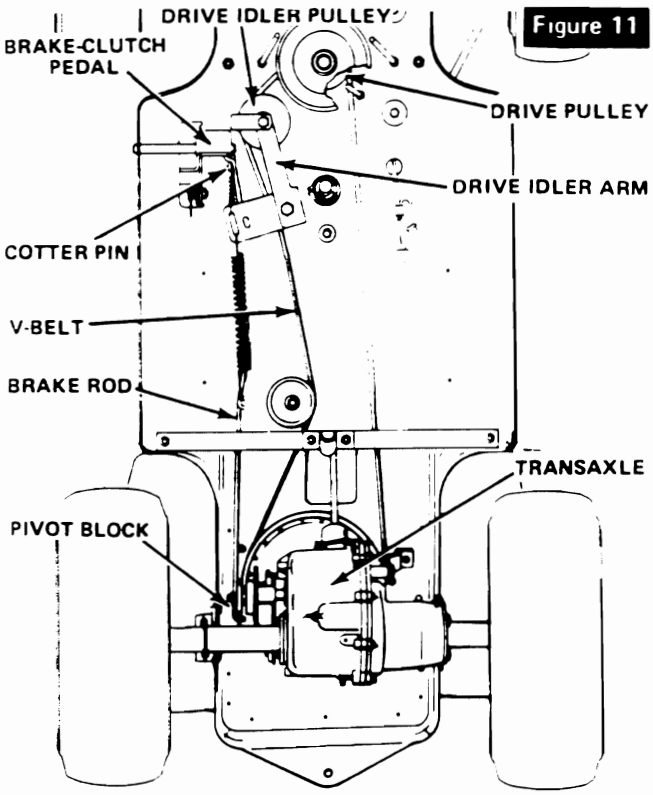
   C. Replace rod into brake-clutch pedal and replace cotter pin.

   D. Check action again to see that brake does apply after tension is relieved. Make any minor adjustments, either way, needed to achieve this action.

5. If, when pedal is pressed all the way down, brake does not apply, perform adjustment to Step 4 above by reversing direction of rod turn in paragraph B.

6. Reconnect spark plug wire.

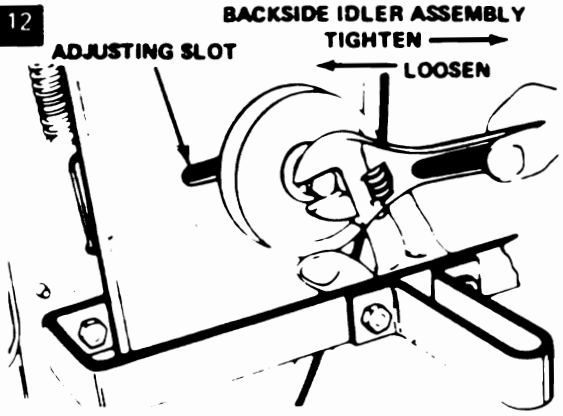
**Figure 11**




## UNIT DRIVE BELT ADJUSTMENT

Moving backside idler assembly (figure 12) toward the center of the unit will move pedal forward. Adjust so that pedal is approximately straight up and down. This adjustment may become necessary to compensate for belt wear.

Figure 12




## BLADE DRIVE BELT ADJUSTMENT

When mower blades will not rev to full speed or slip while mowing, the blade drive belt should be tightened. **To adjust:**

1. Disconnect spark plug wire and place mower clutch lever in disengage position.

2. Remove screw from lock bracket (figure 13).

3. Loosen locknut on bar hitch screw securing bar hitch to pivot bracket (figure 13).

4. Slide bar hitch forward (away from mower housing) to tighten belt.

5. Retighten locknut on bar hitch screw.

6. To check adjustment, reconnect spark plug wire, start engine and run engine at FAST engine control setting. Engage mower clutch lever and allow sufficient time for blades to run to full speed, then disengage mower clutch lever. Blade should stop within a few seconds and remain stopped. If blades do not stop or tend to creep, adjustment is too tight.

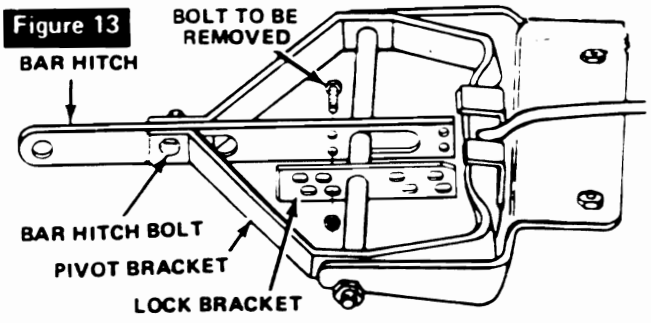
**⚠ DANGER ⚠**

**Blades will not stop immediately. Keep hands and feet from under mower and away from the discharge chute.**

7. To loosen blade drive belt, reverse step 4 above.

8. Reinstall and tighten screw in lock bracket through any hole that aligns with one of four holes in bar hitch.

Figure 13




## BLADE BRAKE ADJUSTMENT

The brake pad (attached to idler arm) should completely clear the right quill assembly (figure 14) when mower clutch lever is in engaged position. To adjust:

1. Disconnect spark plug wire and remove deck, see **Mower Deck Removal** paragraph.

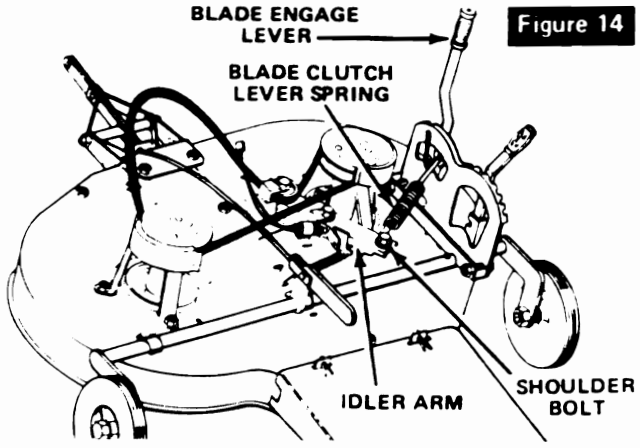
2. Move mower clutch lever to disengaged position.

3. Check clearance between clutch lever and rear stop on quadrant. Clearance should be between ½ and ¾ inch.

4. If clearance is less than ½ inch, loosen shoulder bolt securing mower clutch lever spring (figure 14) to idler arm. Slide shoulder bolt in slot on idler arm, as far as possible away from clutch lever without reducing lever clearance to less than ½ inch.

5. Retighten shoulder bolt, reinstall mower deck and reconnect spark plug wire.

Figure 14




## STEERING SECTOR GEAR ADJUSTMENT

The steering gear was properly adjusted at the factory. If excessive play develops in the steering, adjust pinion and sector gears (figure 15 inset) as follows:

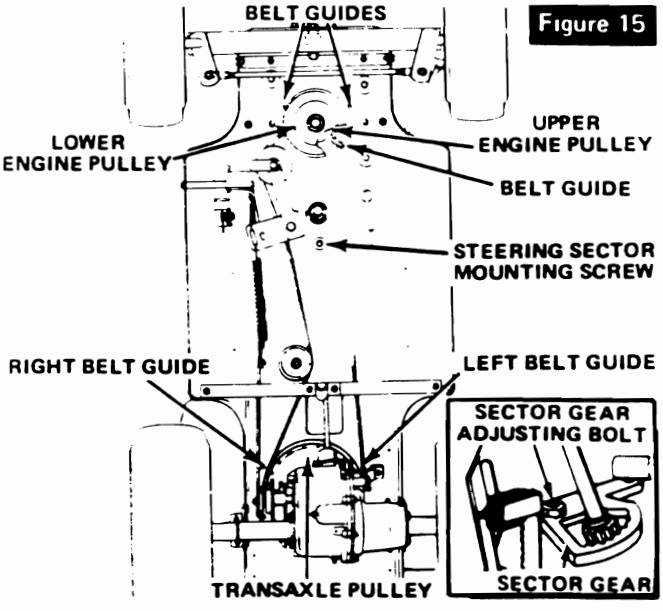
1. Disconnect spark plug wire.

2. Slightly loosen sector gear mounting screw under main frame (figure 15).

3. Turn sector gear adjusting bolt (inset, figure 15) to move sector gear forward or backward as needed. **NOTE:** When hole in sector gear adjusting bolt top is in forward position (toward engine), sector gear is adjusted as tight as possible. When hole is in rearward position (away from engine), sector gear is adjusted as loose as possible.

4. Reconnect spark plug wire.

Figure 15




## BELT GUIDES

This unit is equipped with belt guides (figure 15) located next to the engine and transaxle pulleys. The transaxle left side belt guide is a bolt secured to the main frame. The transaxle

right side and all engine pulley belt guides are angle rods, also secured to the main frame. The guides are moved (by loosening locknuts) before replacing belts. When repositioning (after new belt installation) allow 1/16 inch gap between guide and belt.

## CARBURETOR ADJUSTMENT

Never make unnecessary adjustments. The factory settings are correct for most applications. If necessary, however, refer to **Engine Operation and Maintenance Manual**.

## SPARK PLUG ADJUSTMENT

Spark plug should be checked periodically for excessive carbon and gap. The spark plug gap should be checked with a wire feeler gauge and set at .030 inch.

# MAINTENANCE

## UNIT DRIVE BELT REPLACEMENT

Your unit uses two v-belts made of special compounds. If either belt becomes worn or breaks, replace with **original equipment belts** (see **Repair Parts** section). **NEVER USE A SUBSTITUTE. To replace unit drive belt:**

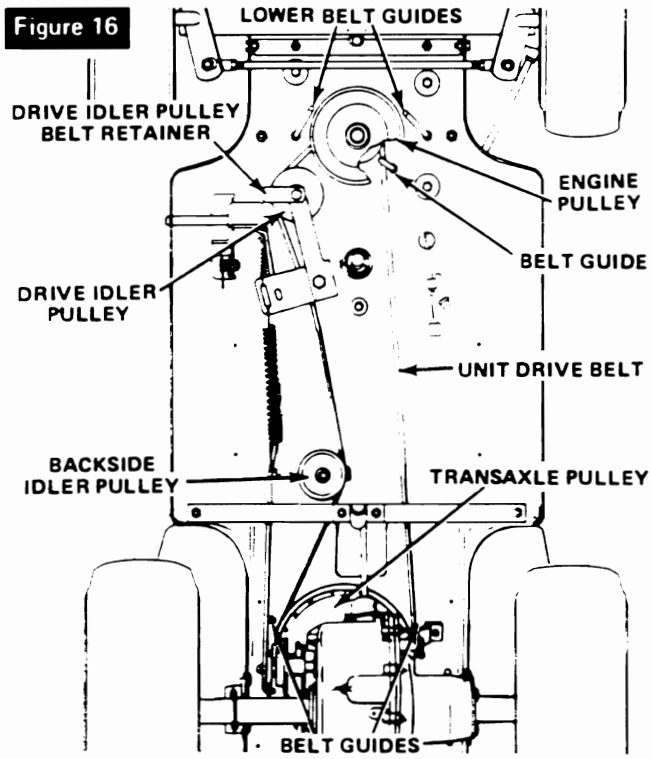
1. Disconnect spark plug wire.

2. Remove mower deck. See paragraph **Mower Deck Removal** in **Adjustment** section.

3. Depress brake-clutch pedal fully and engage parking brake.

4. Loosen drive idler pulley belt retainer (figure 16) and remove belt from pulley.

Figure 16



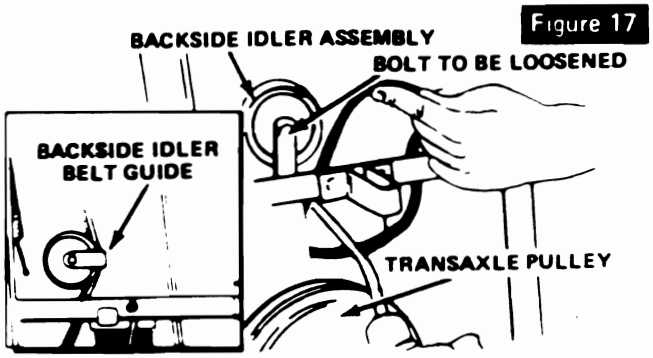

5. Loosen bolt that holds belt guide to backside idler assembly and remove belt from pulley (figure 17).

6. Loosen belt guides (figure 15).

7. Remove belt from engine pulley.

8. Remove belt from transaxle pulley by rolling over top of pulley (figure 17).

Figure 17




9. Form a loop in belt and push up through opening in main frame containing shift lever. Pull loop up over shift lever and remove belt from mower (figure 18).

10. Install new belt in reverse order.

11. Position drive idler pulley belt retainer as shown in figure 16. Position backside idler assembly guide as shown in figure 17 inset.

12. Make drive belt adjustment. See paragraph **Drive Belt Adjustment.**

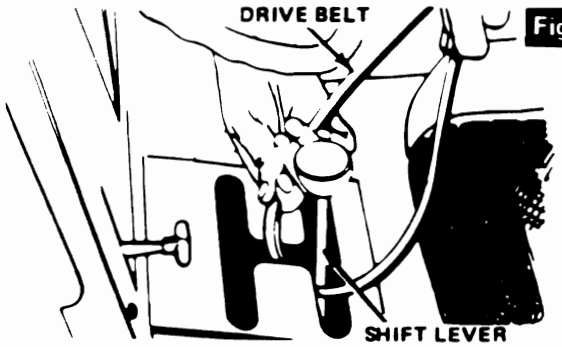
13. Check brake-clutch synchronization. Make adjustment if necessary. See paragraph **Brake-Clutch Synchronization.**

14. Position belt guides as instructed in paragraph **Belt Guides** in **Adjustment** section and tighten.

15. If blade drive belt is to be replaced, do so before reinstalling mower deck assembly.

16. Reinstall mower deck (reverse of removal), and reconnect spark plug.

Figure 18




## TO REPLACE BLADE DRIVE BELT

1. Disconnect spark plug wire.

2. Place height adjustment lever in extreme low cut position.

3. Loosen both lower belt guides (figure 16) and swing away from pulley.

4. Note position of belt guide (crosswise of unit with mower clutch lever in engage position) on idler pulley (figure 19) so that guide can be reinstalled to proper position. Remove idler pulley.

5. Loosen both mower deck belt guards (figure 19) enough to allow belt to be removed from pulleys.

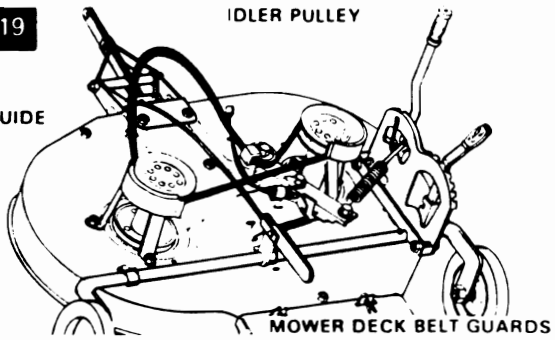
6. Remove old belt.

7. Replace belt, reinstall belt guards and idler pulley and adjust left lower belt guide. Belt guide should be adjusted to 1/16 inch away from pulley.

8. Adjust belt as described in paragraph **Blade Drive Belt Adjustment** in **Adjustment** section.

9. Reconnect spark plug wire.

Figure 19




## BATTERY REMOVAL

See **Steps 1, 2, 3 & 4** in paragraph **To Activate Battery** in **Assembly** section.

## BATTERY MAINTENANCE

1. If mower is used often, check level of electrolyte once a month. If low, add clean water until fluid reaches split ring indicator. **NEVER ADD ELECTROLYTE!**

If battery needs more than 2 or 3 ounces of water in each cell per month, the charging system may be malfunctioning. The alternator may be over-charging and this should be corrected by a trained serviceman.

2. When starter operates properly and battery connections are clean and tight but cranking difficulty is experienced, then battery may not be charged. Battery should be taken to qualified service station and tested.

3. If engine won't start right away under normal cranking speed, continued cranking will run down the battery and may cause damage to starter. Check ignition and fuel systems and correct any faults.

4. The battery should be kept clean. If the top has an accumulation of dirt or grease, remove the battery from the vehicle for cleaning. The battery should be cleaned with a mild solution of baking soda and water. **Brush this on, keeping vent plugs tightly in place to prevent any solution from entering the cells.** Allow the solution to work for a few minutes, then rinse with clean water and wipe battery dry. If battery terminals are corroded, clean with a wire brush and coat terminals with petroleum jelly. **Be sure to reinstall battery in the same position and properly reconnect battery cables (red to positive, black to negative).**

Proper care will lengthen battery life. When replacement becomes necessary, use a battery of same size and type for continued trouble-free service (see **Unit Repair Parts** section).

## BLADE REPLACEMENT

The cutting blades should be sharp and well balanced to run smoothly. Blades should have correct amount of "lift" for proper cutting and discharge of grass. Lift is created by upturned bent tip edges (figure 20) of blade ends. As cutting edges of blades wear, the bent tip edges also wear decreasing blade lift, resulting in decreased cutting ability. Because of this, resharpening of blades will not help much. It is recommended that blades be replaced.

**IMPORTANT: Stop engine, disconnect spark plug wire and inspect blades at once if you strike any solid unyielding object. Check to make sure blade mounting screws are tight. To remove blades:**

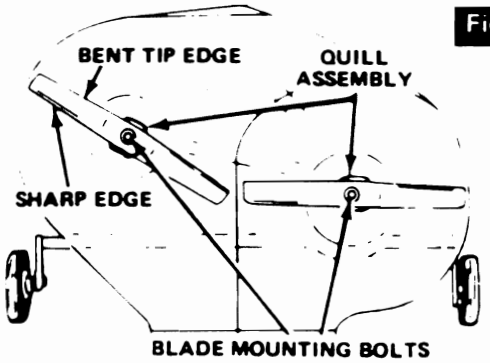
1. Remove mower deck (see paragraph **Mower Deck Removal** in **Adjustment** section.

2. With a 9/16 inch wrench, remove blade mounting screws (figure 20) by turning screws counterclockwise.

When replacing blades, be sure all parts are reassembled in proper order (see **Repair Parts** section for proper order) or severe vibration will occur. Bent tip edges of blades must be up toward top of mower deck or blades will not cut. **NOTE: Make sure blade mounting screws are tightened securely.** We recommend a 10 inch wrench or a torque wrench. If torque wrench is used, torque blade mounting screws to between 30 and 35 foot pounds.

3. Reconnect spark plug wire.

Figure 20




## TO CHANGE CRANKCASE OIL

Crankcase oil should be changed after first 5 hours of operation and every 25 hours thereafter. See **Engine Operation and Maintenance Manual** for proper procedure. Check oil level before each use. Add oil as required.

1. Disconnect spark plug wire.

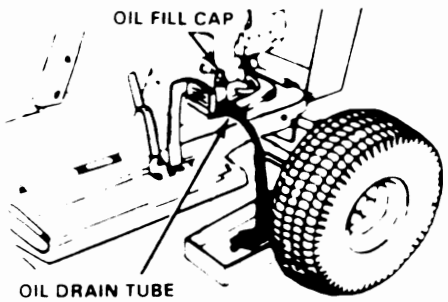
2. Place flat bottom 2 quart container beneath oil drain tube (see figure 21).

3. Remove drain plug and drain oil. **NOTE:** Oil fill cap should also be loosened to serve as an air vent.

4. Reinstall plug, remove oil fill cap and refill crankcase as outlined in **Engine Operation and Maintenance Manual.**

5. Reinstall oil fill cap and reconnect spark plug wire.

Figure 21




## AIR FILTER MAINTENANCE

The air filter should be cleaned and re-oiled after every 25 hours of operation under normal operating conditions, more often under dusty conditions. To clean air filter, proceed as instructed in **Engine Operation and Maintenance Manual.**

### ⚠ CAUTION ⚠

**Never run the engine without the air cleaner element installed. a defective air cleaner can result in loss of engine power and can cause excessive wear or damage to engine components if dirt or dust is permitted to enter engine through the carburetor. A damaged air cleaner, or one that is clogged with dust or dirt should be replaced immediately.**

## LUBRICATION

Lubricate as shown in **Lubrication Chart**. The transaxle has been lubricated for life with EP-80 gear lube. If lubrication is ever needed, use EP-80 or EP-90 gear lube to refill. Transaxle capacity is 1½ pints.

## WIRING DIAGRAM

Parts breakdown on page 22 of this manual is designed to be used as a wiring diagram.

We recommend that unless you are fully qualified to make repairs on the electrical system on this unit, you take it to a competent repairman for such work or adjustments.

# STORAGE

The riding mower should be immediately prepared for storage at the end of the season or if the unit is to be un-used for 30 days or more.

## BATTERY STORAGE

1. Remove battery (see steps 1, 2 and 3 in paragraph To **Activate Battery** in **Assembly** section).

2. Before storage, add clear water to split ring indicator and fully charge battery. A discharged battery will freeze and may burst. If possible, place battery in a cool, dry area. Charge battery overnight every 30 days.

3. Clean battery as described in **Battery Maintenance** section.

## ENGINE STORAGE

**Gasoline, if permitted to stand un-used for extended periods (30 days or more), may develop gummy deposits which can adversely affect the engine carburetor and cause engine malfunction. To avoid this condition, proceed as follows:**

1. Prior to shut down for 30 days or more, drain fuel tank.

2. Run engine until fuel tank is empty and engine stops due to lack of fuel.

3. **Remove spark plug and pour one (1) ounce of engine oil through spark plug hole into sylinder. Crank engine several times to distribute oil. Reinstall spark plug.**

**⚠ DANGER ⚠**

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

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

## UNIT STORAGE

1. Clean the unit thoroughly.

2. Inspect the riding mower for worn or damaged parts, tighten all loose hardware.

3. Oil all points shown in **Lubrication Chart**.

4. Store the riding mower in a protected area and cover the unit for additional protection.

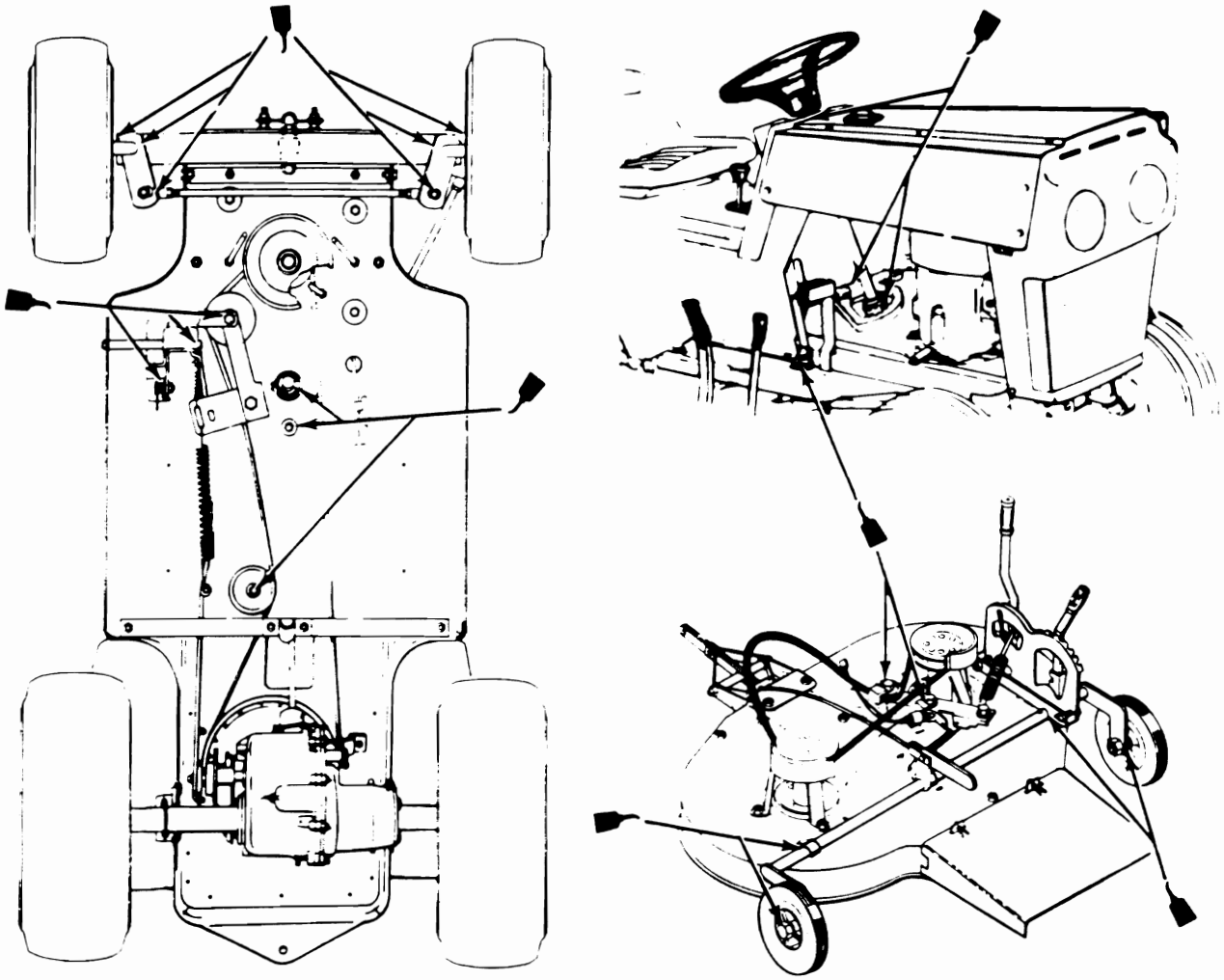
A yearly checkup or tuneup by a qualified repairman is a good way of insuring that your riding mower will provide maximum performance for the next season.

# PREVENTIVE MAINTENANCE CHART

| FREQUENCY | PART | CARE |
|---|---|---|
| Before each use: | Engine Crankcase | Check oil level. Add as needed. |
| Every 25 hours of use or sooner as needed. | Engine Crankcase | Change oil. |
| | Engine Air Filer | Clean and Re-oil. |
| | Steering Wheel Shaft | Oil each end. |
| | Steering Sector Shaft | Oil each end. |
| | Front Spindles | Oil. |
| | Front Wheel Bearings | Oil. |
| | Battery | Check fluid level. |
| Every 50 hours of use or sooner as needed: | All the points listed under the 25 hour check plus those below: | |
| | Linkage & Pivot Points | Oil all locations. |
| | Tires | Check pressure, 12 to 15 pounds. |
| Before storage: | Engine | Drain gasoline tank & carburetor. Oil cylinder. |
| Beginning of season: | All points listed under 25 hour and 50 hour checks. | |

# LUBRICATION CHART

Orientation view **only.** **Do Not** stand on end.



**USE SAME OIL USED IN CRANKCASE EVERY 25 HOURS OF OPERATION.**

The following **Trouble Shooting Guide** (2 pages) is designed to apply to all riding type mowers manufactured by **Lawn Mower Division. Some of the problems and corrections will not apply to your unit.**

## TROUBLE SHOOTING GUIDE

DANGER: ALWAYS DISCONNECT SPARK PLUG WIRE BEFORE ATTEMPTING ANY INSPECTION OR ADJUSTMENT

| PROBLEM | CORRECTION |
|---|---|
| Mower Cuts Ragged or Uneven. | 1. Make certain blades are sharp and in good condition (not bent or incorrectly mounted).<br>2. Check blade mounting screw(s). Blade screw(s) must be tight.<br>3. Check quill assembly(s) for damage or bearing wear. Replace if necessary.<br>4. Remove any accumulation of grass clippings from underside of mower deck housing.<br>5. Check for possible damage to mower deck housing. Repair or replace if necessary.<br>6. Check pivot tube assembly for damage. If bent or damaged, repair or replace. |
| Mower Leaves Unmowed Strip Between Blades | 1. Check for worn or dull blades. Replace if necessary.<br>2. Check quill assembly(s) and make certain none are bent. Replace if necessary.<br>3. Mowing a heavy stand of grass or grass with excessive surface moisture could allow mower to leave a unmowed strip. Mow counterclockwise (side discharge only). **Do not** mow wet grass.<br>4. Forward speed should be adjusted to mowing conditions by gear selection. Engine should be run at full throttle.<br>5. Check blade belt tension. Adjust if necessary.<br>6. Check for damage to mower deck housing. Repair or replace if necessary. |
| Mower Scalps Lawn. | 1. Check for bent blade(s) or quill assemble(s). Replace if necessary.<br>2. Check mower height adjustment setting and readjust if needed. Scalping is more likely on rough or uneven lawns.<br>3. Check mower deck leveling adjustment and readjust if necessary. |
| Mower Will Not Discharge Clippings. | 1. Check underside of mower deck housing for accumulation of clippings. Remove accumulated clippings.<br>2. Wet conditions can cause the discharge chute and underside of mower deck to become plugged with clippings. **Do not** mow wet grass.<br>3. If blade(s) have been replaced, make sure they have been correctly mounted. |
| Collector Bag Does Not Billow Out as Usual. | 1. Check collector discharge chute and bag inlet opening for plugging.<br>2. Check collector fan and jackshaft belts for tension and/or damage. Replace if necessary.<br>3. Check for split or damaged pulley(s). Replace if necessary. |
| Unit is Not Picking Up Grass Properly. | 1. Check collector discharge chute, mower discharge chute and bag inlet opening for plugging.<br>2. Mower deck height may be too low and not allowing enough air flow. Raise cutting height.<br>3. Check collector fan and jackshaft belts for tension and/or damage. Replace if necessary.<br>4. Check for split or damaged pulley(s). Replace if necessary.<br>5. Check collector fan housing for grass clippings build-up. Clean fan housing.<br>6. Check mower deck for grass clippings build-up. Clean mower deck. |
| Sound Level of Fan is High | 1. Remove collector discharge chute and check fan housing for build up of grass clippings. Clean inside of fan fan housing. |
| Blade Drive Belt Comes Off During Use. | 1. Check belt tension. Adjust if necessary.<br>2. Check all belt guides. Correct clearance is 1/16 inch from belt when blade engage lever is engaged.<br>3. Make certain mower deck leveling adjustment is correct. Adjust if necessary.<br>4. Check for and remove any foreign objects interfering with belt travel.<br>5. Check all pulleys on mower deck. A bent or split pulley could cause problems. Replace if necessary.<br>6. Check engine drive pulley inner surface. If inner surface is rough or split, pulley should be replaced.<br>7. Check blade throw-out assembly for wear. Replace necessary parts. |
| Blade Drive Belt Slips. | 1. If grass is too high or wet, belt slippage may occur.<br>2. Check belt for wear or damage. Replace if necessary.<br>3. Check belt tension. Adjust if necessary.<br>4. Check blade drive belt tension spring. If spring is stretched or damaged, replace spring. |
| Blade Drive Belt Wears Excessively | 1. Check all belt guides. Correct clearance is 1/16 inch from belt when blade engage lever is engaged.<br>2. Check for and remove any foreign objects interfering with belt travel.<br>3. Check pulleys for damage. Replace if necessary.<br>4. Make certain belt brake is clearing belt when mower is engaged. If brake cable is too long or broken, adjust or replace.<br>5. Make certain mower deck leveling adjustment is correct. Adjust if necessary. |
| Blade(s) Will Not Engage | 1. Check belt. If worn or broken, replace. If belt is too loose, make belt adjustment.<br>2. Check engagement spring on deck engagement idler. If broken or damaged, replace.<br>3. Check for and remove any foreign objects interfering with engagement idler travel. |
| Blade(s) Will Not Disengage | 1. Check belt tension. Adjust if necessary.<br>2. If blade drive belt adjustment will not provide enough slack in drive belt, replace with correct **Original Equipment Belt.**<br>3. Check for and remove any foreign objects interfering with engagement idler travel. |
| Extreme Vibration Occurs When Blade is Engaged | 1. Check blade(s) and make certain they are not bent, out of balance or loose. Replace if necessary.<br>2. Check belt for burn spots or irregularities that might cause vibration. Replace if necessary.<br>3. Check quill assembly(s) for damage or wear. Replace if necessary.<br>4. Check for worn or damaged blade engagement parts. Repair or replace as necessary.<br>5. Check engine drive pulley inner surface. If inner surface is rough or split, pulley should be replaced.<br>6. Check under side of mower deck housing for accumulation of clippings. Remove accumulated clippings.<br>7. Check for loose or damaged engine mounts. Tighten or replace as necessary. |

## TROUBLE SHOOTING GUIDE (Continued)

DANGER [illegible] SPARK PLUG WIRE BEFORE ATTEMPTING ANY INSPECTION OR ADJUSTMENT

| PROBLEM | CORRECTION |
|---|---|
| Deck or Deck Wheel Hits Rear Wheel and Tire Assembly | 1. **Deck drive belt adjustment is too tight. Readjust.**<br>2. Other than **Original Equipment Belt** is being used and is either too long or stretched. Replace belt.<br>3. Belt is worn. Replace with new **Original Equipment Belt.**<br>4. Check pivot tube assembly for damage. Repair or replace if necessary. |
| Deck Lift Cable Broken | 1. Check operating procedure. Excessive ground speed on rough lawn may cause mower deck bounce, resulting in lift cable failure.<br>2. Remove excessive clippings from underside of mower deck housing (build-up of clippings adds excessive weight to mower deck). |
| Unit Drive Belt Slips. | 1. Check unit drive belt adjustment(s). Adjust if necessary.<br>2. Check for damaged or broken clutching idler spring. Replace if necessary.<br>3. Check belt(s) for wear or damage. Replace if necessary.<br>4. Check vari-speed control lever adjustment.<br>5. Check for and remove any foreign objects obstructing vari-speed or clutching idler mechanism. |
| Unit Drive Belt Squeals When Brake is Applied | 1. Check brake-clutch synchronization (does not apply to vari-speed units). Adjust if necessary.<br>2. Check unit drive belt adjustment(s). Adjust if necessary.<br>3. Check for and remove any foreign objects obstructing vari-speed or clutching idler mechanism.<br>4. Check brake adjustment. |
| Unit Drive Belt Comes Off During Use. | 1. Check belt tension. Adjust if necessary.<br>2. Check belt guides. Adjust if necessary.<br>3. Check for split or damaged pulley(s). Replace if necessary.<br>4. Check clutching idler pulley alignment. If out of alignment, idler bracket may be bent. Replace if necessary. |
| Jackshaft Drive Belt Comes Off During Use. | 1. Check idler support brackets and tighten if loose.<br>2. Check to make sure belt has proper twist so that "V" side of belt is in grooves on all four pulleys.<br>3. Check spring on right idler pulley for damage. Replace if necessary.<br>4. Adjust left idler pulley if belt is loose.<br>5. Check for worn or damaged belt. Replace if necessary. |
| Unit Will Not Propell Itself When Clutch or Vari-Speed Lever is Engaged. | 1. See **Steps 1 through 5** in **Unit Drive Belt Slips** section of this chart.<br>2. Check engine, transmission or transaxle pulley(s) for sheared or missing key. Replace if necessary.<br>3. Check transmission or transaxle to make certain it is operable. Make certain chain (chain drive units only) is intact. |
| Extreme Vibration Occurs When Clutch is Engaged (Let-Out) | 1. Check for split or damaged pulley(s). Replace if neessary.<br>2. Check belt for irregularities or burned spots. Replace if necessary.<br>3. Make certain belt tension is correct. Adjust if necessary.<br>4. Check clutching idler assembly for wear or damage. Replace parts as necessasry.<br>5. On chain drive units, check sprockets for proper alignment and chain damage. Replace if necessary.<br>6. Check for loose or damaged engine mounts. Tighten or replace as necessary.<br>7. Check collector fan bearing. Replace damaged or worn bearing.<br>8. Check collector fan mounting and number (4) of fan blades. Replace fan if necessary.<br>9. Check collector fan blades for bends or unusual wear which could affect balance. |
| Unit Will Not Shift or Shifts Hard. | 1. Check shifting procedure. Unit MUST come to a complete stop before shifting. On vari-speed units, hold firm pressure on shift lever while moving vari-speed control lever slowly forward.<br>2. Check brake-clutch synchronization (does not apply to vari-speed units). Adjust if necessary.<br>3. Check unit drive belt adjustment. Adjust if necessary.<br>4. Have transmission or transaxle checked by a competent repairman. |
| Steering Slips or is Loose. | 1. Check for steering sector gear and pinion looseness. If gears are loose, make sector gear adjustment.<br>2. Check ball joints for wear. Replace if necessary.<br>3. Check center pivot bolt on front axle. If loose, tighten securely. |
| Engine Will Not Turn Over. | 1. Check starting procedure. Make sure starting instructions are followed.<br>2. Check fuse (if so equipped).<br>3. Check battery for charge. Make sure battery has been activated (on new units).<br>4. On new units, remove spark plug and check cylinder for accumulation of oil due to handling.<br>5. Make visual check of electrical system to make sure all connections and lockout switches are secure.<br>6. Check engine according to engine manufacturers instructions.<br>7. Have electrical system checked by a competent repairman. |
| Engine Turns Over But Will Not Start. | 1. Check starting procedure. Make sure starting instructions are followed.<br>2. Make certain fuel tank is filled with clean, fresh gasoline.<br>3. Make certain fuel shut-off is open (if so equipped).<br>4. Make certain that throttle is in choke or fast position.<br>5. Check engine according to engine manufacturers instructions.<br>6. On recoil start unit, make visual check of wiring system to make sure all connections and lockout switches are secure.<br>7. Have wiring and lockout switches (on recoil start unit) checked by a competent repairman. |

## SEE, CALL OR WRITE ONE OF THE FOLLOWING DISTRIBUTORS FOR PARTS FOR: AMF — DYNAMARK - HOMKO - TURFMASTER - LAWN SCOUT - OR ANY OTHER LAWN MOWER DIVISION PRODUCT.

### ALABAMA

**Automotive Elect. Service,** 415 Meridian St., Huntsville, AL 35801, (205) 534-3525, AL Wats 800-536-3394 *a,b,d

**Warlick-Miller A/C Eng.,** 630 N. 20th St., Bessemer, AL 35020, (205) 424-8288, AL Wats 800-292-8123 *a,b,d

### CALIFORNIA

**Billiou's,** 75 N. D, Porterville, CA 93257 (209) 784-4102 *a,b,d,g,h

### COLORADO

* **Turf Equipment & Parts,** 8035 W. 44th, Wheatridge, CO 80033, (303) 422-7117 or 422-7123, CO Wats 800-332-7712 *d,g

### FLORIDA

**G.L.O. Products Inc.,** 13735 49th St. N., Clearwater, FL 33520, (813) 577-4374 *d,g

**Manley Tractor Sales,** 5901 E. Broadway, Tampa, FL 33619, (813) 621-6767 or 626-5900 *f

**Radco Distributors Inc.,** 4909 Victor St., Box 5459, Jacksonville, FL 322070459, (904) 733-7957 *a,d

### GEORGIA

**Walthour & Hood Co. Inc.,** 206-260 Rogers St. NE, Box 2202, Atlanta, GA 30301, (404) 378-2571, Wats 800-241-6206 *d

### ILLINOIS

**Cox Tire & Battery,** 603 N. Market, Marion, IL 62959, (618) 993-2607 *a,d

**Garmoe Distr. Inc.,** 2620 N. Mannheim Road, Franklin Park, IL 60131, (312) 455-3588 or 455-9588 *a,f,g

**Nehl's Inc.,** 4414 Prospect, Peoria Heights IL 61614, (309) 685-3613 *a,d

**Quality Lawnmower Distr.,** 2245 N. Central Ave., Rockford, IL 61103, (815) 963-4403 *a,f

### INDIANA

**Kart & Mower Sales & Service,** 616 W. Hwy. 131, Clarksville, IN 47130, (812) 945-3704 *a,e,h,i

**Thompson Sales & Service,** 2400 W. Ridge Road, Gary, IN 46408, (219) 980-3282 *d,g

### IOWA

**Bruce Engine Inc.,** 1791 N.W. 86th, Des Moines, IA 50322, (515) 223-6134 *d

### KANSAS

**Colladay Hdwe. Co.,** 201 N. Plum, Hutchinson, KS 67501, (316) 663-4477 *f,g

### KENTUCKY

**Auto-Electric Inc.,** 715 W. Hwy 80, Box 671, Somerset, KY 42501, (606) 679-1171 *a,e

**Cayce Mill Supply Co.,** 1st & Douglas St., PO Drawer 689, Hopkinsville, KY 42240, (502) 886-3335 *a,c

### LOUISIANA

**H.G. Distributors Inc.,** 204 N. 3rd, Box 3388, Monroe, LA 71201, (318)-387-6200 *c,f,g

### MARYLAND

**Center Supply Co.,** 6867 New Hampshire Ave., Takoma Park, MD 20912, (301) 270-1690 *a,b,d

**Kunkel Service Co.,** 6252 Frankford Ave., Baltimore, MD 21206, (301) 377-4008, MD Wats 800-492-8886 *a,c,d,g

### MASSACHUSETTS

**Morton B. Collins Co.,** 300 Birnie Ave., Box 126, Springfield, MA 01107, (413) 732-7449 *a,f,g,h

### MICHIGAN

**Automotive Prod. Co., A/C Engine Div.,** 615 First St., Menominee, MI 49858, (906) 863-8011 906 Area Wats 800-562-4825 *a,d

**Heat Engineering Inc.,** 7700 Southfield Road, Detroit, MI 48228, (313) 271-7550 *a,c

**Lorenz Service Co.,** 2500 S. Pennsylvania Ave., Lansing, MI 48910, (517) 484-1361 *a,b,d,g

**Marshall E. Campbell Co.,** 2975 Lapeer, Box 947, Port Huron, MI 48060, (313) 985-7105 *b,c,g

### MINNESOTA

**Northern Automotive Co.,** 1401 W. Broadway, Minneapolis, MN 55411, (612) 522-6656 *a,d,g

### MISSOURI

**Gunther's Service & Supply,** 7320 Wornall Road, Kansas City, MO 64114 (816) 523-1952 *g,i

**Ross-Frazer Supply Co.,** 8th & Monterey Sts., St. Joseph, MO 645030088, (816) 279-2731 *d,g

**Wilson Engines & Parts Inc.,** 8701 Riverview Blvd., Box 22626, St. Louis, MO 63147, (314) 388-3333 *a,e,i

### NEW JERSEY

**Lawnmower Parts Inc.,** 717 Creek Road, Bellmawr, NJ 08031, (609) 931-0571 *a,d

### NEW YORK

**Loegler & Ladd Inc.,** 3950 Broadway, Box 214 Buffalo, NY 14225, (716) 684-0600 or 684-0601 or 684-0602 *d

**Stiefvater Distr. Inc.,** Clinton Road, Route 12B, New Hartford, NY 13413, (315) 853-5581 *a,f

### NORTH CAROLINA

**Carswell Distr. Co.,** 3750 N. Liberty St., Winston-Salem, NC 27105, (919) 767-7700 *c

**Dixie Sales Co. Inc.,** 335 N. Green, Box 1408, Greensboro, NC 27402, (919) 274-0490 *a,b,d,g

### OHIO

**Small Engine Distr.,** 2430 Tremainsville Road, Toledo, OH 43613, (419) 475-7261 *a,b,e,h

**Small Engine Distr.,** 5250 N. Dixie, Box 1481, Dayton, OH 45414, (513) 278-8241 *a,b,d

### OKLAHOMA

**Lawnmart,** 1039 NW 63rd St., Oklahoma City, OK 73116, (405) 842-8845 *b,d

### PENNSYLVANIA

**Bluemont Co.,** 11125 Frankstown Road, Pittsburgh, PA 15235, (412) 242-2522 or 242-1622 *a,b,e,g

**Scranton Auto Ignition,** 1133-35 Wyoming Ave., Scranton, PA 18509, (717) 342-8133 *a,b,d

### SOUTH CAROLINA

**Magneto & Electric Service,** 103 Assembly St., Columbia, SC 29201, (803) 771-4044, SC Wats 800-922-1118 *a,d,g

### TENNESSEE

**American Sales & Service,** 3035-43 Bellbrook Dr., Memphis, TN 38116, (901) 332-2210 *e,h,i

**Chilton A/C Engines,** 319 4th Ave. S., Box 15806, Nashville, TN 37215, (615) 254-1634 *a,b,e,h

**Master Repair Service,** 2000 Western Ave., Knoxville, TN 379215797 (615) 523-7930, TN Wats 800-332-9904 *a,f,h

### TEXAS

**Marr Bros. Inc.,** 423 E. Jefferson, Dallas, TX 75203, (214) 948-7387 *a,d

**Midland Small Engine Sales,** 106 Carlton, Box 4215, Midland, TX 79704, (915) 682-1409 *a,b,e

### VIRGINA

**Auto Accessories Co. Inc.,** 601 S. Patrick St., Alexandria, VA 22314, (703) 548-0240 *a,b,d,g

**RBI Corporation,** 101 Cedar Ridge Dr., Lakeridge Park, Ashland, VA 23005, (804) 798-1535 *a,b,e,i

### WASHINGTON

**Bitco-Western,** 4030 1st Ave. S., Box 24707, Terminal Annex, Seattle, WA 98134, (206) 682-4677 *a,d,g

### WEST VIRGINA

**Interstate Radiator & Lawn Mower Co.,** 1611 4th Ave., Charleston, WV 25312, (304) 345-1724 *a,e,g,i

### WISCONSIN

**Reliable Hdwe.,** 8010 N. 76th St., Milwaukee, WI 53223, (414) 355-2900 *a,f,g

**Wiggert Brothers,** 3rd & Jay, Box 1267 La Crosse, WI 54601, (608) 784-4790 *a,b,d,g

### CANADA

**Suntester Equipment (Central) Ltd.,** 5466 Timberlea Blvd., Mississauqua, Ont., Canada L4W 2T7, (416) 624-6200 *a,c

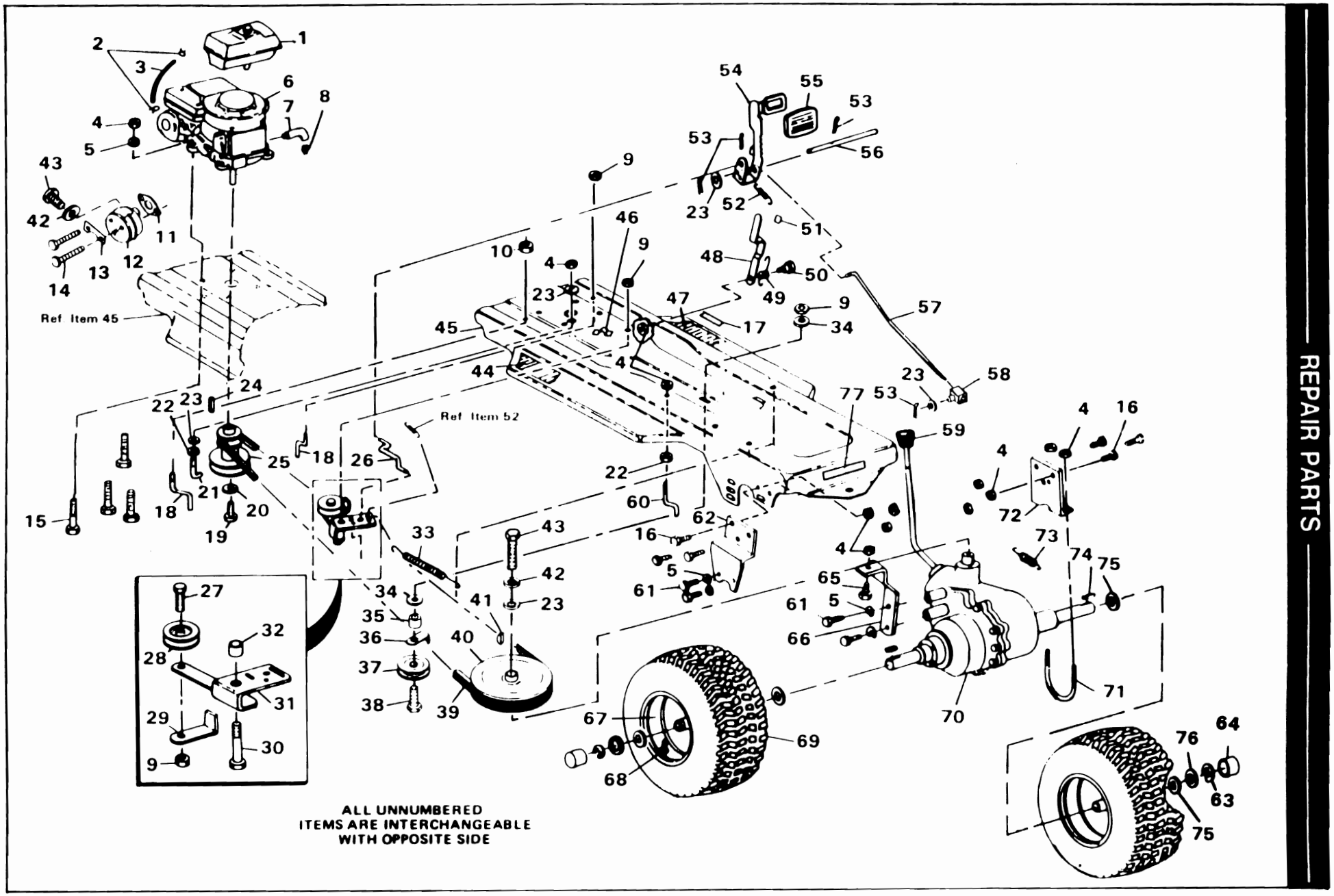
**Yetman's Ltd.,** 949 Jarvis Ave., Winnipeg, Manitoba, Canada R2X 0A1 (204) 586-8046, Wats 800-665-8623 *a,b,d,g

Rev. 8-20-82

(*) **General Information Codes;**

(a) Briggs and/or Tecumseh Distributor
(b) Accepts Credit Cards
(c) Dealer Sales Only, No Retail
(d) C.O.D. ok
(e) No C.O.D.
(f) C.O.D. Only
(g) Has Minimum Order
(h) Foote Dealer
(i) Advance Payment Needed

## 36" RIDING MOWER MODEL 5188-4900



# 36" RIDING MOWER MODEL 5188-4900

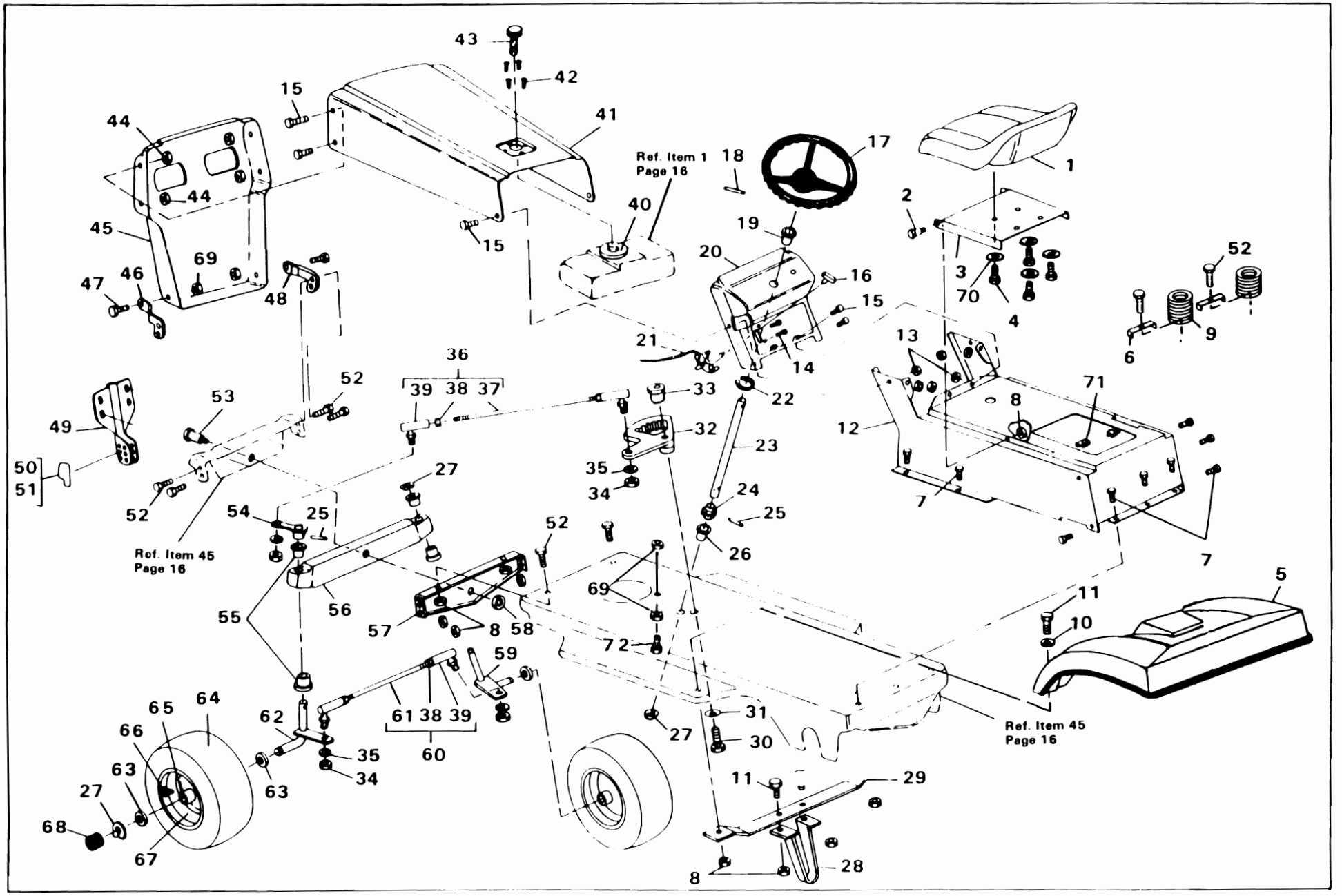
ALWAYS GIVE THE FOLLOWING INFORMATION WHEN ORDERING REPAIR PARTS:
1. The PART NUMBER 2. The PART NAME 3. QUANTITY DESIRED 4. The MODEL NUMBER **(As shown on Model Plate)**
SEND PART ORDERS AS PER INSTRUCTIONS ON THE FRONT PAGE
YOUR UNIT IS RIGHT HAND (RH) OR LEFT HAND (LH) AS YOU STAND BEHIND IT.
DO NOT USE KEY NUMBERS WHEN ORDERING REPAIR PARTS, ALWAYS USE PART NUMBERS.
All replacement parts will be supplied in current production colors or in a neutral color.
A handling fee is applicable to small parts orders.

| Key No. | Part No. | Description |
|---|---|---|
| 1 | 48812 | Gas Tank |
| 2 | 41008 | Clip, Gas Line |
| 3 | 50118 | Gas Line |
| 4 | 9413447 | Locknut, Hex 5/16-18 Thd |
| 5 | 120638 | *Lockwasher, split, 5/16 In |
| 6 | Engine | See Footnote Below |
| 7 | 45566 | Oil Drain Tube |
| 8 | 23700 | Pipe Plug, ¼ In. |
| 9 | 9413534 | Locknut, Hex, ⅜-16 Thd |
| 10 | 41529 | Jam Nut |
| 11 | | Gasket, Muffler (Engine Part) |
| 12 | 49993 | Muffler |
| 13 | | Engine Part |
| 14 | 173063 | * Screw, Hex Hd, 5/16-18 x 3½ In. |
| 15 | 180112 | * Screw, Hex Hd, 5/16-18 x 2¾ In. |
| 16 | 120228 | * Screw, Hex Hd, 5/16-18 x ⅝ In. |
| 17 | 69191 | Decal, Caution |
| 18 | 50653 | Belt Guide, Blade Drive |
| 19 | 123567 | *Screw, Hex Hd, 7/16-20 x 1 In. |
| 20 | 120383 | *Lockwasher, Split |
| 21 | 49896 | Belt Guide, Transmission Drive Belt |
| 22 | 271184 | Nut, Hex, Keps, 5/16-18 Thd |
| 23 | 120386 | *Flatwasher, ¼ In. |
| 24 | 33200 | Key, Engine Pulley |
| 25 | 52418 | Pulley, Engine |
| 26 | 43980 | Rod, Clutch |
| 27 | 120918 | *Screw, Hex Hd, ⅜-16 x 1½ In. |
| 28 | 35374 | Pulley, Idler |
| 29 | 39659 | Belt Retainer |
| 30 | 28928 | Shoulder Bolt |
| 31 | 46848 | Arm, Drive Idler |
| 32 | 43953 | Spacer |
| 33 | 49276 | Spring, Main Drive |
| 34 | 120394 | *Flatwasher, ⅜ In. |
| 35 | 49649 | Spacer, Backside Idler |
| 36 | 39314 | Retainer, Drive Belt, Backside Idler |
| 37 | 40223 | Pulley, Backside Idler |
| 38 | 122207 | Screw, Hex Hd, ⅜-16 x 3 In. |
| 39 | 50737 | V Belt |
| 40 | 52199 | Pulley, Transaxle |
| 41 | 431787 | Key, Woodruff, No. 61 |
| 42 | 120380 | *Flatwasher, Split ¼ In. |
| 43 | 180020 | Screw, Hex Hd, ¼-20 x ¾ In. |
| 44 | 53953 | Foot Pad, Left |
| 45 | 53359 | Main Frame |
| 46 | 41482 | Wire Clip, Press |
| 47 | 53952 | Foot Pad, Right |
| 48 | 50980 | Arm, Parking Brake |
| 49 | 43968 | Spring, Parking Brake |
| 50 | 40974 | Shoulder Bolt, Parking Brake |
| 51 | 67950 | Decal, Parking Brake |
| 52 | 50562 | Spring, Clutch Pedal |
| 53 | 121222 | *Pin, Cotter, 3/32 x ¾ In. |
| 54 | 52640 | Brake Pedal Assembly |
| 55 | 48761 | Rubber Pad, Brake Pedal |
| 56 | 43956 | Shaft, Brake-Clutch Pedal |
| 57 | 49654 | Rod, Brake |
| 58 | 49653 | Pivot Block |
| 59 | 29483 | Knob, Gear Shift |
| 60 | 43991 | Belt Guide, Transaxle Pulley |
| 61 | 180080 | Screw, Hex Hd, 5/16-18 x 1⅛ In. |
| 62 | 49651 | Bracket, Axle, L.H. |
| 63 | 36625 | "E" Ring |
| 64 | 40394 | Hub Cap |
| 65 | 122007 | *Screw, Hex Hd, 5/16-18 x ¾ In. |
| 66 | 49652 | Bracket, Stabilizing |
| 67 | 41105 | Wheel |
| 68 | 24167 | Valve Stem |
| 69 | 41106 | Tire |
| 70 | Transaxle | †Peerless Model 601-020 |
| 71 | 40124 | "U" Bolt |
| 72 | 49650 | Bracket, Axle, R.H. |
| 73 | 39395 | Spring, Brake Return |
| 74 | 39628 | Key, 3/16 x 3/16x 2½ In. |
| 75 | 642 | Flatwasher |
| 76 | 42815 | Flatwasher |
| 77 | 67327 | Decal, Caution |

*Standard Hardware Items - May Be Purchased Locally.
†Contact Tecumseh/Peerless authorized service dealer for parts and warranty.

**Replacement engines and parts are obtainable from Engine Manufacturer's authorized Service Stations who are also to be contacted in regards to the Engine Warranty. See your Engine Manual for location of these stations.**

## 36" RIDING MOWER MODEL 5188-4900



## 36" RIDING MOWER MODEL 5188-4900

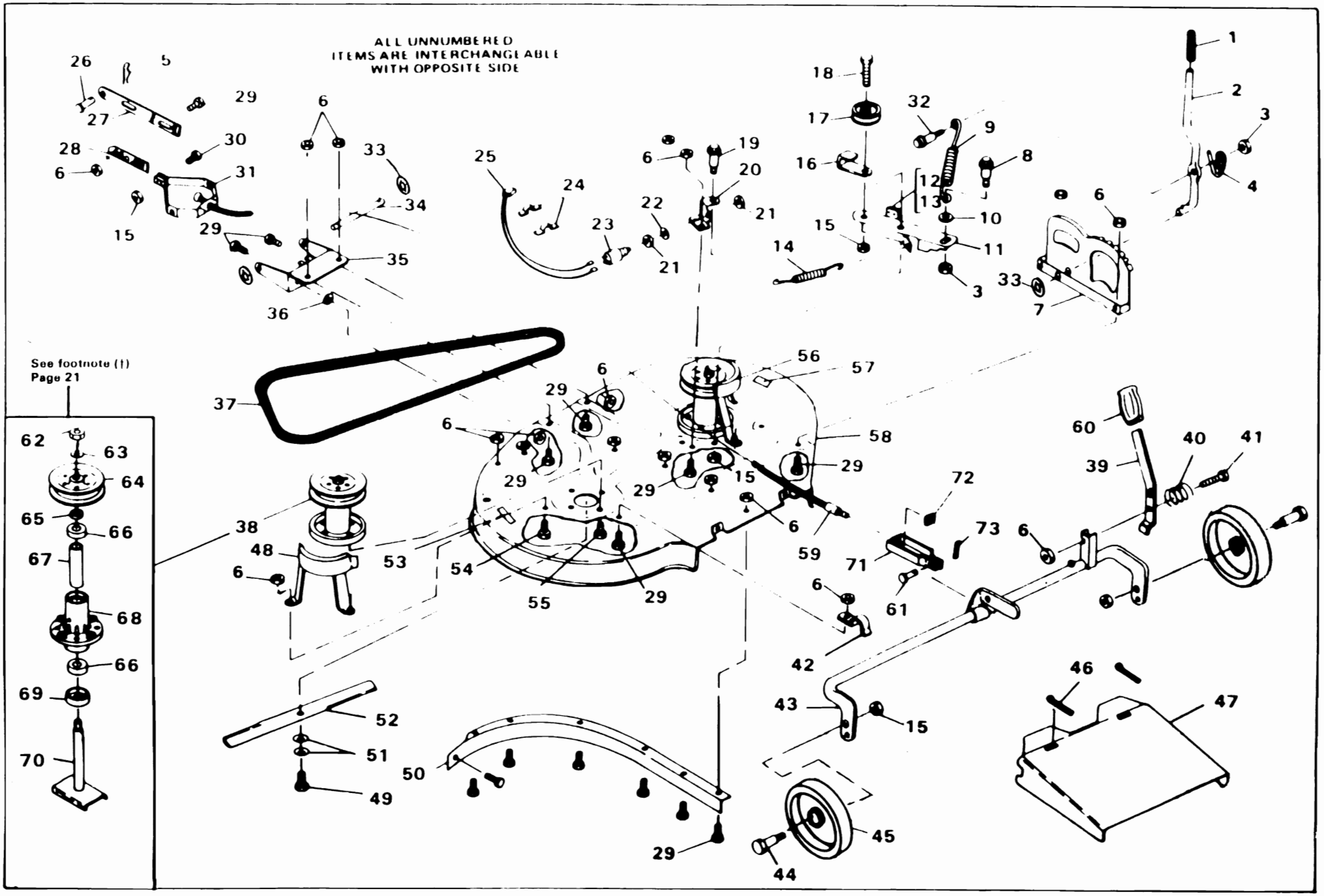
| Key No. | Part No. | Description |
|---|---|---|
| 1 | 52656 | Seat |
| 2 | 20507 | Shoulder Bolt |
| 3 | 53553 | Seat Bracket |
| 4 | 120834 | *Screw, Hex Hd, 5-16-18 x 1¼ In |
| 5 | 52470 | Fender Assembly |
| 6 | 49339 | Clip, Seat Spring |
| 7 | 995346 | *Screw, Taptite, ¼-20 x ½ In |
| 8 | 9413447 | Locknut, Hex, 3-16-18 Thd |
| 9 | 52332 | Spring, Seat |
| 10 | 446363 | *Flatwasher, 5-16 In |
| 11 | 122017 | *Screw, Hex Hd, 5-16-18 x 1 In |
| 12 | 53634 | Console Assembly |
| 13 | 9424215 | Locknut, Hex, ¼-20 Thd |
| 14 | 35287 | Screw, Taptite, No 8-32 x ⅜ In |
| 15 | 48900 | Screw, Hex Wa Hd, ¼-20 x 1 In |
| 16 | 39486 | Knob, Throttle Control Lever |
| 17 | 47083 | Steering Wheel |
| 18 | 456836 | Roll Pin |
| 19 | 39432 | Bearing, Steering |
| 20 | 52615 | Dash Assembly |
| 21 | 50117 | Lever, Throttle Control |
| 22 | 39492 | Retaining Ring |
| 23 | 44008 | Shaft, Steering |

*Standard Hardware Items - May Be Purchased Locally

| Key No. | Part No. | Description |
|---|---|---|
| 24 | 44009 | Pinion Gear |
| 25 | 454565 | Roll Pin |
| 26 | 39580 | Bearing, Steering |
| 27 | 36625 | "E" Ring |
| 28 | 44500 | Bracket, Deck Guide |
| 29 | 43964 | Bracket, Deck Guide Support |
| 30 | 39573 | Screw, Hex Hd Lock, ⅜-24 x 1 In |
| 31 | 2483 | Spring Washer |
| 32 | 44010 | Sector Gear |
| 33 | 44011 | Shoulder Bolt, Sector Gear |
| 34 | 120369 | *Nut, Hex, ⅜-24 Thd |
| 35 | 120382 | *Lockwasher, Split, ⅜ In |
| 36 | 44059 | Drag Link Assembly |
| 37 | 44060 | Drag Link |
| 38 | 124925 | Nut, Hex, ⅜-24 Thd |
| 39 | 21275 | Ball Joint |
| 40 | 44843 | Pad, Vibration |
| 41 | 52590 | Hood |
| 42 | 49050 | Screw, Plastite, ¼-10 x ¾ In |
| 43 | 50988 | Gas Gauge |
| 44 | 50352 | Locknut, Wide Flange, ¼-20 Thd |
| 45 | 52804 | Grille |
| 46 | 52639 | Bracket, Grille Support, L H |

| Key No | Part No. | Description |
|---|---|---|
| 47 | 120233 | *Screw, Hex Hd, ⅜-16 x 1 In |
| 48 | 52638 | Bracket, Grille Support, R H |
| 49 | 50719 | Bracket, Deck Hanger |
| 50 | 68027 | Decal, Hanger, L H |
| 51 | 68026 | Decal, Hanger, R H |
| 52 | 120228 | *Screw, Hex Hd, 5-16-18 x ⅝ In |
| 53 | 50720 | Shoulder Bolt, Axle Pivot |
| 54 | 49447 | Arm, Steering |
| 55 | 50546 | Bearing, Spindle |
| 56 | 44062 | Front Axle Assembly |
| 57 | 43988 | Bracket, Front Axle Support |
| 58 | 274654 | Locknut, Hex, ¼-20 Thd |
| 59 | 48844 | Spindle, Right |
| 60 | 48762 | Tie Rod Assembly |
| 61 | 48764 | Tie Rod |
| 62 | 48845 | Spindle, Left |
| 63 | 642 | Flatwasher |
| 64 | 41108 | Tire |
| 65 | 39979 | Bearing |
| 66 | 24167 | Valve Stem |
| 67 | 39829 | Wheel w Bearing |
| 68 | 40394 | Hub Cap |
| 69 | 9413534 | Locknut, ⅜-16 Thd |
| 70 | 120638 | Lockwasher, Split |
| 71 | 39239 | Speed Nut |
| 72 | 49930 | Upstop Bolt |

# 36" RIDING MOWER MODEL 5188-4900



## 36" RIDING MOWER MODEL 5188-4900

| Key No | | Description |
|---|---|---|
| 1 | 46478 | Hand Grip |
| 2 | 53693 | Lever, Clutch |
| 3 | 9424215 | Locknut, ¼ 20 Thd |
| 4 | 46561 | Spring, Clutch Lever |
| 5 | 8260 | Hairpin Cotter |
| 6 | 9413447 | Locknut 5 16-18 Thd |
| 7 | 53247 | Quadrant |
| 8 | 46563 | Shoulder Bolt |
| 9 | 52636 | Spring, Clutch Lever |
| 10 | 120392 | *Flatwasher ¼ In |
| 11 | 53055 | Idler Arm Assy (Incl Nos 12 & 13) |
| 12 | 41471 | Brake Pad |
| 13 | 41601 | Rivet, Brake Pad |
| 14 | 35410 | Spring |
| 15 | 9413534 | Locknut, ⅜ 16 Thd |
| 16 | 52695 | Belt Retainer |
| 17 | 52694 | Pulley, Idler |
| 18 | 122168 | *Screw, Hex Hd, ⅜ 16 x 1¾ In |
| 19 | 47516 | Shoulder Bolt |
| 20 | 47517 | Bracket, Idler Arm |
| 21 | 45877 | Nut (lockout switch part) |
| 22 | 45878 | Lockwasher (lockout switch part) |
| 23 | 41204 | Switch, Lockout |
| 24 | 41482 | Clip, Press |
| 25 | 48851 | Wire Assembly |

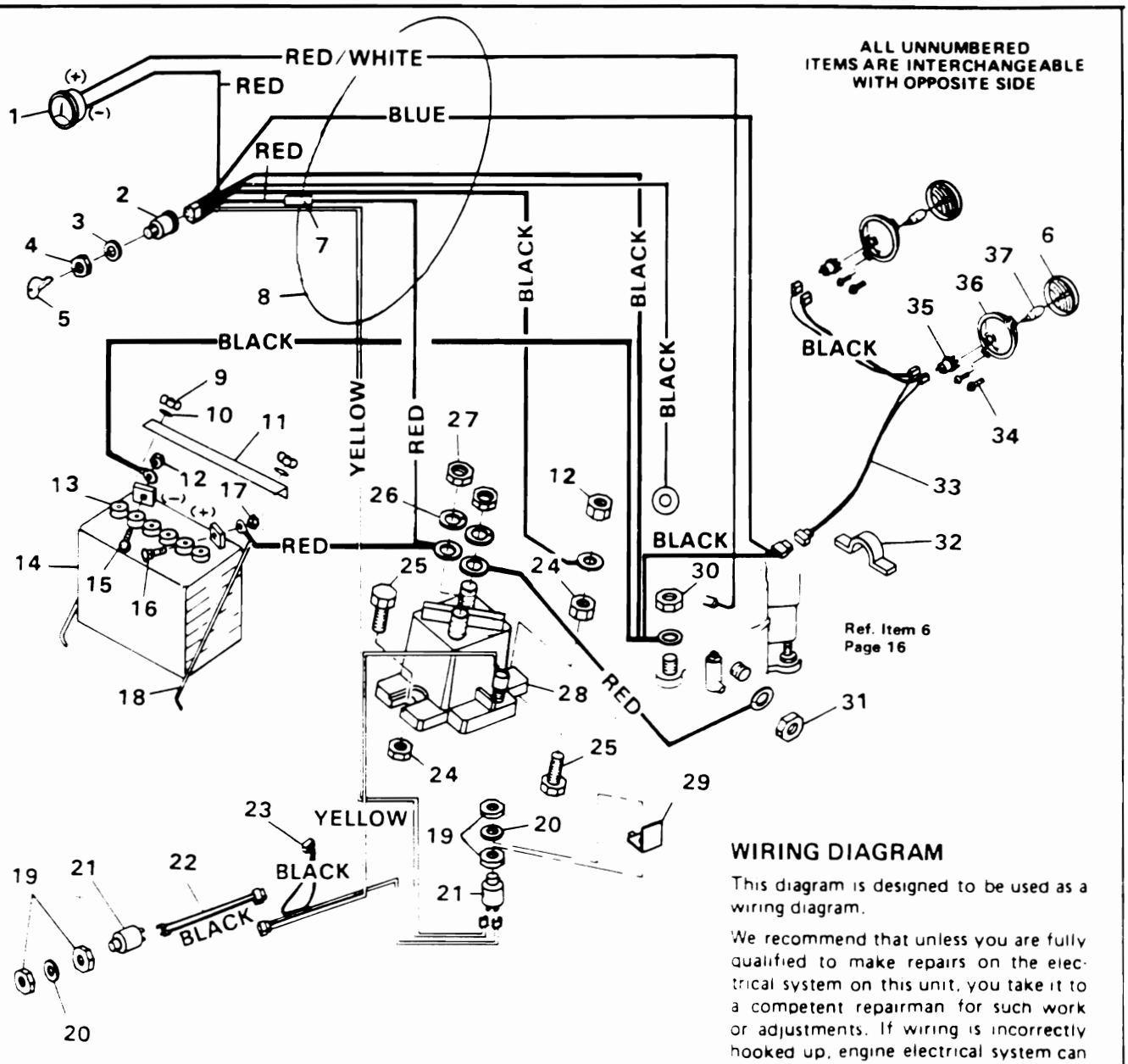
| Key No | Part No | Description |
|---|---|---|
| 26 | 47816 | Pull Pin |
| 27 | 49059 | Bar Hitch |
| 28 | 49058 | Lock Bracket |
| 29 | 120228 | *Screw Hex Hd 5 16 18 x ⅝ In |
| 30 | 120918 | *Screw, Hex Hd, ⅜ 16 x 1¼ In |
| 31 | 50613 | Pivot Bracket |
| 32 | 53696 | Shoulder Bolt |
| 33 | 53697 | Push Nut |
| 34 | 53815 | Pin, Pivot |
| 35 | 48676 | Lift Support, Plate Assembly |
| 36 | 996416 | *Flatwasher, ⅜ In |
| 37 | 49878 | V Belt |
| 38 | 51450 | †Quill Assy (Includes 62 - 70) |
| 39 | 50027 | Lever, Height Adjust |
| 40 | 53246 | Spring |
| 41 | 120696 | *Screw, Hex Hd, 5 16 18 x 2¼ In |
| 42 | 51985 | Support, Pivot Tube |
| 43 | 52613 | Pivot Tube Assy |
| 44 | 23763 | Wheel Axle |
| 45 | 52854 | Wheel |
| 46 | 120123 | Cotterpin |
| 47 | 49824 | Chute Extension |
| 48 | 46365 | Cover, Pulley, L H |
| 49 | 39573 | Screw, Hex Hd, ⅜ 24 x 1 In |
| 50 | 46367 | Baffle, L H |

| Key No | Part No | Description |
|---|---|---|
| 51 | 2483 | Formed Washer |
| 52 | 39311 | Blade 18 In |
| 53 | 67944 | Decal, Caution |
| 54 | 122017 | *Screw Hex Hd 5 16-18 x 1 In |
| 55 | 50634 | Screw, Taptite, 5 16 18 x ⅝ In |
| 56 | 46364 | Cover, Pulley, R H |
| 57 | 67475 | Decal, Height Adjust |
| 58 | 46324 | Mower Deck |
| 59 | 53037 | Lift Cable |
| 60 | 49938 | Hand Grip |
| 61 | 39522 | Pin, Clevis |
| 62 | 51445 | Locknut, Flange |
| 63 | 446248 | Flatwasher |
| 64 | 51451 | Pulley |
| 65 | 51449 | Spacer |
| 66 | 49562 | Bearing |
| 67 | 50818 | Spacer, Tube |
| 68 | 50088 | Quill |
| 69 | 50616 | Dust Shield |
| 70 | 51447 | Saddle and Shaft Assy |
| 71 | 39404 | Clevis, Lift Cable |
| 72 | 120372 | *Nut, Square, ¼-20 Thd |
| 73 | 121222 | Cotter Pin, 3/32 x ¾ In |

*Standard Hardware Items May be purchased locally

†Your unit may have been built with welded quills Parts in inset can not be ordered for welded quills

# 36" RIDING MOWER MODEL 5188-4900




## WIRING DIAGRAM

This diagram is designed to be used as a wiring diagram.

We recommend that unless you are fully qualified to make repairs on the electrical system on this unit, you take it to a competent repairman for such work or adjustments. If wiring is incorrectly hooked up, engine electrical system can be damaged.

| Key No. | Part No. | Description |
|---|---|---|
| 1 | 39463 | Ammeter |
| 2 | 52583 | Switch, Ignition w/ Keys |
| 3 | 138557 | Lockwasher (Switch Part) |
| 4 | 48140 | Locknut (Switch Part) |
| 5 | 49643 | Key, Ignition |
| 6 | 52570 | Lens, Headlight |
| 7 | 49211 | Fuse |
| 8 | 52744 | Wire Harness Assembly |
| 9 | 997208 | *Wing Nut, Nylock, 1/4-20 Thd |
| 10 | 120386 | *Flatwasher, 1/4 In |
| 11 | 40243 | Bracket, Battery, Hold-Down |
| 12 | 271172 | Nut, Keps, 1/4-20 Thd |
| 13 | 40892 | Cap, Battery |
| 14 | 52936 | Battery |
| 15 | 126203 | *Carriage Bolt, 1/4-20 x 5/8 In |
| 16 | 126216 | *Carriage Bolt, 5/16-18 x 3/4 In |
| 17 | 271184 | Nut, Keps, 5/16-18 Thd |
| 18 | 40234 | Battery Rod |
| 19 | 45877 | Nut (Lockout Switch Part) |

| Key No. | Part No. | Description |
|---|---|---|
| 20 | 45878 | Lockwasher (Lockout Switch Part) |
| 21 | 41204 | Switch, Lockout |
| 22 | 48851 | Wire Assembly, Deck Switch |
| 23 | 42071 | Wire Assembly, By-Pass |
| 24 | 9424215 | Locknut, Hex, 1/4-20 Thd |
| 25 | 121900 | *Screw, Hex Hd, 1/4-20 x 1 In |
| 26 | 138485 | Washer, Shakeproof |
| 27 | 120368 | Locknut, Hex, 5/16-24 Thd |
| 28 | 53716 | Solenoid |
| 29 | 49734 | Bracket, Switch Mounting |
| 30 | 9413447 | Locknut, Hex, 5/16-18 Thd |
| 31 | | Engine Part |
| 32 | 41482 | Wire Clip, Press |
| 33 | 52800 | Lead Wire, Headlight |
| 34 | 50668 | Screw, Hex Wa Hd, No 10-14 x 1/2 In |
| 35 | 52573 | Socket, Headlight |
| 36 | 52571 | Bezel, Headlight |
| 37 | 52572 | Bulb, Headlight |

*Standard Hardware Items - May Be Purchased Locally.

# KIT# 55938
# Replacement Lift Cable

This lift cable has been designed to replace all previous types of lift cables. One change may need to be made to your mower deck. If the pivot bracket on your deck has a rounded edge on top, it must be turned over so that rounded edge is on the bottom. The illustration shows hitch assembly completely disassembled for clarity only. If pivot bracket is properly installed, no disassembly will be necessary to install style "**A**" cable. Simply wrap cable around pivot pin as shown and proceed to **Step 4** below. Pivot pin should be the only part that will need to be removed to install cable style "**B**". To install new lift cable:

1. Remove retainer from one end of pivot pin. **NOTE:** If pivot pin on your deck is secured with a push nut, a new nut has been included to replace one that will be damaged when removed.

2. Slide pivot pin out far enough to allow loop on end of lift cable to be placed over pivot pin. **NOTE:** If rounded rear edge of pivot bracket is on top, pull pivot pin all the way out, turn pivot bracket over and reinstall pivot pin.

3. Place lift cable loop over pivot pin and reinstall pin.

4. Make sure cable is under rear edge of pivot bracket.

5. Pull on cable and slide keeper on loop until loop is tight around pivot pin.

6. Attach rear end of cable to mower deck and adjust length as instructed in **Mower Deck Leveling Adjustment** paragraph in your riding mower **Owner's Manual**.