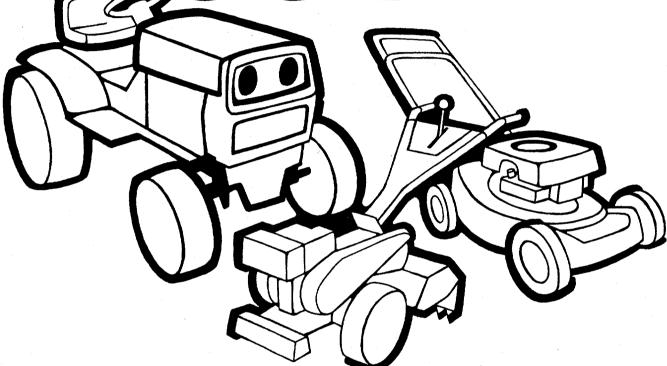
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# OWNER'S GUIDE



ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST

IMPORTANT: Read Safety Rules and Instructions MODEL NUMBER 130-360A

> 25" RIDING MOWER

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# LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC 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 for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

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 MTD.

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

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



# 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.



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.

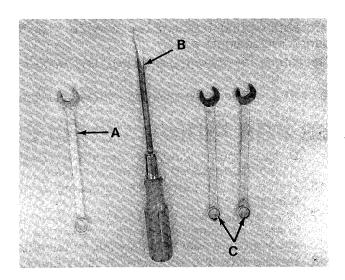
This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see operating section of this manual for proper fuel and amount.

This unit 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.
- 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.
- Clear work area of objects which might be picked up and thrown by the mower in any direction.
- Disengage all attachment clutches and shift into neutral before attempting to start engine.
- 7. Disengage power to attachment(s) and stop engine before leaving operating position.
- 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.
- 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.
- 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.
- Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
- Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
- Stay alert for holes in terrain and other hidden hazards.
- 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.
- 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.
- 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.
- Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
- 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. 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.



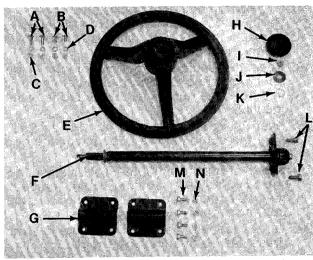
### **ASSEMBLY**

### TOOLS REQUIRED FOR ASSEMBLY

#### See figure 1.

- A (1) 1/2" Box or Open End Wrench
- B (1) 1/4" Flat Screwdriver
- C (2) 7/16" Box or Open End Wrench

FIGURE 1.



# PARTS IN CARTON AND HARDWARE PACK -See figure 2.

- A (2) Truss Head Screws 1/4-20 x 5/8" Long
- B (2) Truss Head Screws 1/4-20 x 1/2" Long
- C (4) Hex Nuts 1/4-20 Thread
- D (4) Lock Washers 1/4" I.D.
- E (1) Steering Wheel
- F (1) Steering Shaft Assembly
- G (2) Tube Clamps
- H (1) Steering Wheel Cap
- I (1) Hex Nut 5/16-18 Thread
- J (1) Belleville Washer
- K (1) Wave Washer
- L (2) Hex Sems Bolts 5/16-18 x 3/4" Long
- M (4) Hex Bolts 1/4-20 x 5/8" Long
- N (4) Hex Lock Nuts 1/4-20 Thread



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



Do not use rear plastic cover to lift unit.

#### 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. MAXIMUM TIRE PRESSURE 30 P.S.I.

FIGURE 2.

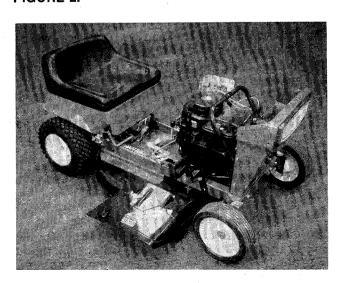
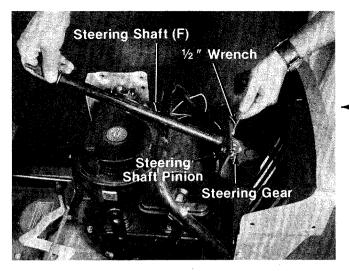
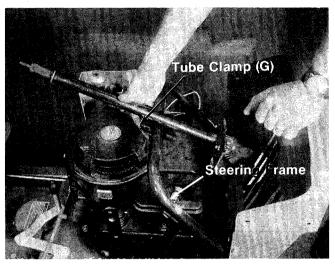


FIGURE 3.



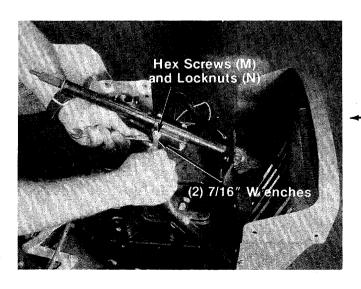
1. Place steering shaft (F) pinion in steering gear and fasten with two hex sems bolts (L). A ½" wrench is required. See figure 4.

#### FIGURE 4.



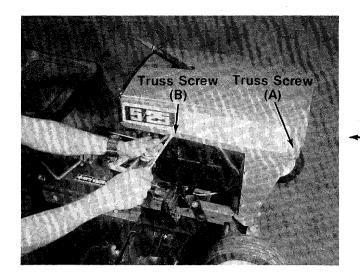
2. Place one tube clamp (G) under steering frame. See figure 5.

#### FIGURE 5.



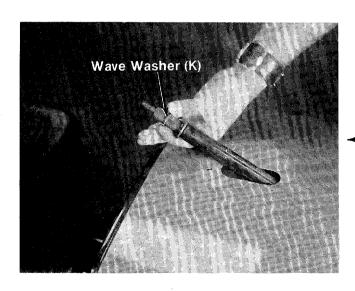
— 3. Place the other tube clamp (G) on top of steering shaft and secure with four hex screws (M) and hex lock nuts (N). Two 7/16" wrenches are required. See figure 6.

FIGURE 6.



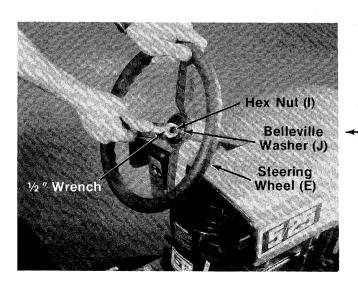
4. Assemble the hood with 5/8" truss screws (A) to the rear of hood, and the ½" long truss screws (B) to the front of hood. Fasten with lock washers (D) and hex nuts (C) to the inside. See figure 7.

FIGURE 7.



5. Place wave washer (K), steering wheel (E), belleville washer (J), over end of steering shaft and secure with hex nut (I), using a ½" wrench. See figures 8 and 9.

FIGURE 8.

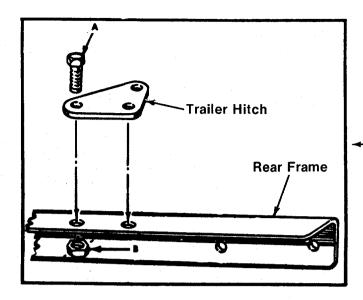




It may be necessary to reach inside the hood and push up on steering shaft to get the steering wheel on.

6. Place steering wheel cap (H) in position and press by hand.

FIGURE 9.



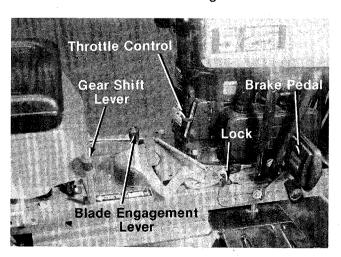
- Position the trailer hitch on the center of the rear frame section and fasten with bolts A and —nuts B. See figure 10.
- 8. Check ALL nuts and bolts for correct tightness.

FIGURE 10. TRAILER HITCH

### **CONTROLS**

The controls on your mower may be considered as the Throttle Control, Recoil Starter Handle, Ignition Key, Blade Engagement Lever, Brake Pedal, Clutch Pedal and the Gear Shift Lever.

A. Throttle Control actuates the butterfly in the carburetor and may be set at "CHOKE", "FAST" or "SLOW." See figure 11.



#### FIGURE 11.

B. The Recoil Starter Handle is located on the left hand side of the hood. To operate the Recoil Starter Handle, twist it until it is in the horizontal position and pull to start the engine. After the engine starts, return the Recoil Starter Handle to the mounting bracket and turn it to the vertical position as shown in figure 12.



The clutch must be disengaged, the blade must be disengaged and the ignition key must be on before the engine will start.

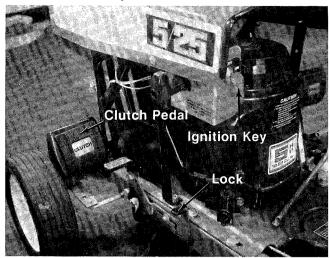


#### FIGURE 12.

- C. The Ignition Key must be turned to the right to the "ON" position before the Recoil Starter Handle is pulled to start the engine. Turn the Ignition Key to the left to the "OFF" position to stop the engine. See figures 12 and 13.
- D. The Blade Engagement Lever engages and disengages the blade. Pull the Blade Engagement Lever back to stop the blade. Move the Blade Engagement Lever forward to engage the blade. See figure 11.



Engage the Blade Engagement Lever slowly.



#### FIGURE 13.

E. The Gear Shift Lever is used to select either forward or reverse. See figure 11.



Do not shift gears while in motion.

- F. The Clutch Pedal is operated with your left foot. The Clutch Pedal, when depressed, disengages the engine from the transmission so you can stop the movement of the rider mower to shift gears. The Clutch Pedal can be locked in the DISENGAGED position by depressing the Clutch Pedal and lifting the clutch lock with your left hand. To release the Clutch Pedal, depress it with your foot. See figure 13.
- G. The Brake Pedal is operated with your right foot and is used to stop the forward or reverse motion of the rider. To engage the brake, depress the Brake Pedal with your right foot. To set the parking brake, depress the brake and lift the lock. To release, depress the brake pedal. See figure 11.



Parking brake **must** be disengaged before unit is put into motion.



Unit is equipped with separate brake and clutch pedals. To efficiently stop, it is necessary to disengage clutch when applying brakes.

# OPERATING INSTRUCTIONS

# CAUTION

- 1. KEEP ALL SHIELDS & GUARDS IN PLACE
- 2. BEFORE LEAVING OPERATOR'S POSITION:
  SHIFT CONTROLS INTO NEUTRAL
  SET PARKING BRAKE
  DISENGAGE ATTACHMENT DRIVE
  SHUT ENGINE OFF

REMOVE IGNITION KEY

- 3. WAIT FOR ALL MOVEMENT TO STOP BEFORE SERVICING MACHINE
- 4. KEEP PEOPLE & PETS A SAFE DISTANCE AWAY FROM MACHINE

# **CAUTION**

DO NOT OPERATE MOWER UNLESS GUARD OR ENTIRE GRASS CATCHER IS IN ITS PROPER PLACE.

#### STARTING THE ENGINE

- 1. Be sure the crankcase is filled with oil as recommended in the engine manaul. Put regular gasoline in the gasoline tank.
- 2. Attach the wire to the spark plug.
- 3. Depress the Brake Pedal and lock it down with lock. See figure 11.
- 4. Depress the Clutch Pedal and lock it down with lock. See figure 13.
- 5. Place the Gear Shift Lever in "NEUTRAL" (N) position. See figure 11.
- 6. Place the Blade Engagement Lever in the "OFF" disengaged position. See figure 11.
- 7. Place the Throttle Control Lever in the "CHOKE" position. See figure 11.
- 8. Turn the Ignition Key to "ON" position. See figure 12.
- Twist the Recoil Starter Handle until it is free and pull it with a quick steady motion. After the engine starts, return the Recoil Starter Handle and twist it until it locks. See figure 12.
- 10. Slowly return the throttle to the running position as soon as the engine starts.



If the Recoil Starter Handle is **not locked** after engine starts, putting the rider into motion will stop the engine.

#### PUTTING THE RIDER IN MOTION

- 1. Advance the Throttle Control from 3/4 to FULL throttle to prevent strain on the engine and to operate the cutting blade.
- Depress the Clutch Pedal so the clutch lock releases.
- Depress the Brake Pedal so the brake lock releases.
- 4. Place the Gear Shift Lever in the "FORWARD" position.
- 5. Slowly release the Clutch Pedal.
- 6. To stop the rider, depress the clutch and brake pedals.
- The blade can be engaged either while moving or while standing still. Move the Blade Engagement Lever forward slowly until the blade is running.

#### **STOPPING**

Engine—Turn the Ignition Key to the left to the "OFF" position.

Rider—Depress the clutch and brake pedals.

**Blade**—Move the Blade Engagement Lever all the way to the rear of unit.



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.

### **ADJUSTMENTS**

1. The height adjustment for the cutting blade is made by removing the front axle bolts and moving the front wheels to one of the four cutting positions. See figure 14.

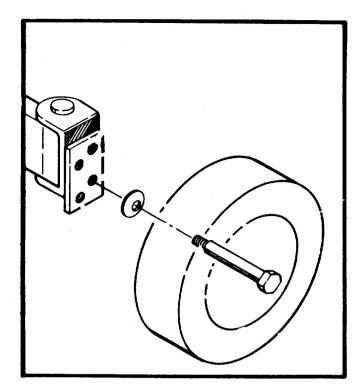


FIGURE 14. FRONT WHEEL ADJUSTMENT

 The height adjustment on the rear wheels is made by removing the bolt on the height adjustment on each side of the rear axle and selecting one of the four positions. See figure 15.

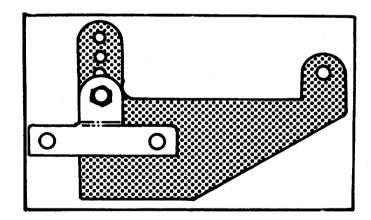


FIGURE 15. REAR WHEEL ADJUSTMENT



If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

### **MAINTENANCE**

**CRANKCASE OIL** 



Remove the spark plug lead before performing any maintenance on the machine.

#### a. Oil Check

Check the oil level in the crankcase before each use of the machine and after every two hours of operation. Keep the oil level to the overflowing point. See figure 16.

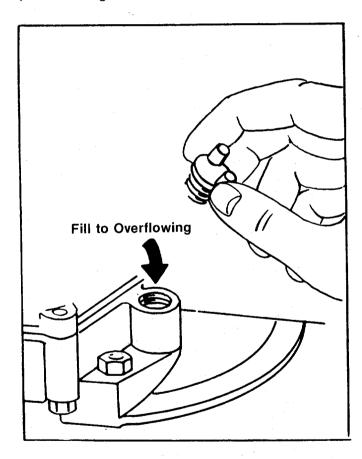


FIGURE 16. OIL FILL

#### b. Oil Change

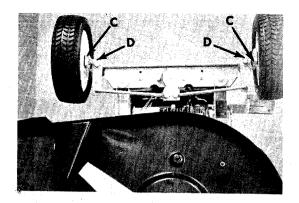
After the first two hours of operating a new engine, drain the oil from the crankcase while the engine is still hot and refill the crankcase with new oil; thereafter, change the oil after every 25 hours of operation. This procedure ensures minimum wear of engine parts and provides virtually trouble-free operation. To change the oil, proceed as follows:

- Step 1. With the machine on level ground, place a suitable metal container under the oil drain plug located on the front of the engine. See figure 17.
- Step 2. After the oil has been drained completely from the crankcase, replace the drain plug and tighten.
- Step 3. With the machine on level ground, remove the oil filler plug. See figure 16. Fill the crankcase until the oil overflows from the oil fill hole. Fill slowly to avoid air locks. The crankcase holds approximately 134 pints of good quality SAE 30 type MS engine oil. Replace the oil filler plug.



# FIGURE 17. OIL DRAIN LUBRICATION

- a. Steering Gears. Lubricate with multi-purpose automotive type grease once a season.
- b. Front Wheel Bearings. Once a season, remove the front axle bolts and coat the axle with a multi-purpose automotive type grease and reassemble. See figure 18.
- c. King Pins. Lubricate the king pins after every 25 hours of operation with SAE 30 oil. Wipe up excessive oil with a rag. See figure 18.
- d. Rear Axle Bearings. Lubricate the rear axle bearings after every 25 hours of operation with SAE 30 oil. Wipe up excessive oil with a rag. See figure 19.
- e. Chain. Remove the chain once each season, clean in kerosene, dry and lubricate with a rag saturated in SAE 30 oil. See figure 19.
- f. Transmission. The transmission has been lubricated at the factory and does not need to be checked.



**FIGURE 18. LUBRICATION** 

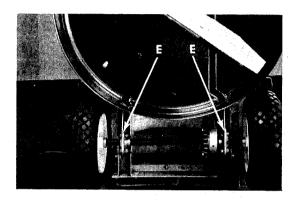


FIGURE 19. LUBRICATION

#### **BRAKE ADJUSTMENT**

The brake adjustment is made by tightening the hex nut on the brake band to compensate for wear. Turn the hex nut one half turn and test the brakes. Repeat until the brake is adjusted. See figure 20.

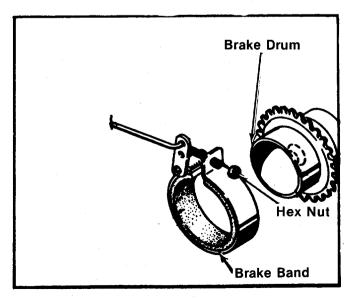


FIGURE 20. BRAKE ASSEMBLY

#### **CHAIN ADJUSTMENT**

The chain may require adjustment after a period of use. Chain adjustment may also be necessary when the height adjustment is changed. The chain is adjusted as follows:

- Step 1. Loosen elastic lock nuts on two rear adjustment wheel hanger supports.
- Step 2. Move rear axle assembly forward or backward as needed to make the proper adjustment.
- Step 3. Tighten elastic lock nuts securely. See figure 21.

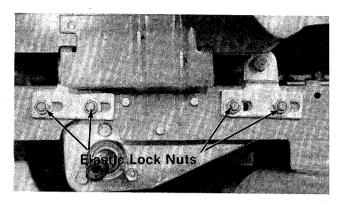


FIGURE 21. CHAIN ADJUSTMENT REAR WHEELS



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.

## **BELT REPLACEMENT**



NOTE

If there is gasoline in the gasoline tank, place a piece of thin plastic under the gas cap and tighten the gas cap securely.

#### TRANSMISSION BELT REPLACEMENT

Step 1. Lift the front end of the rider up so it rests on the rear wheels and seat.



Disconnect the spark plug wire and ground it against the engine block.

Step 2. Remove the blade by removing the hex head cap screw in the center of the blade. Hold the blade with one hand and using a ½" open end, box or adjustable wrench, remove the bolt. See figure 22.



Wrap a rag around the blade to protect your hand.

Step 3. Take off the deck by removing the six hex nuts and lock washers as shown in figure 23.

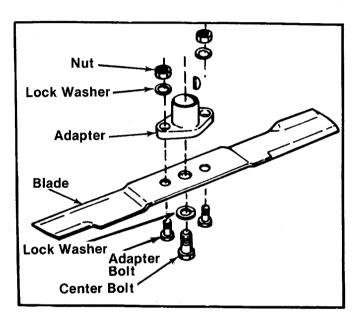


FIGURE 22. BLADE REMOVAL

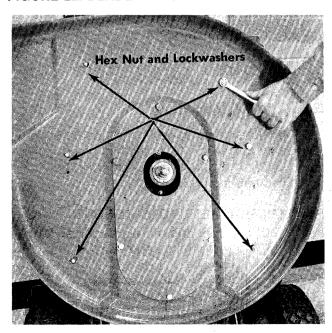


FIGURE 23. REMOVING THE DECK

Step 4. Remove the transmission belt from the engine pulley. It may be necessary to spring the belt guard out of the way. When installing the new belt be sure to put the belt guard back in the original position. See figure 24.

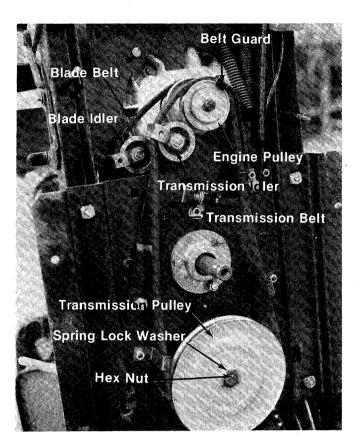


FIGURE 24. BELT SYSTEM

- Step 5. Remove the belt from the transmission idler. See figure 25.
- Step 6. Remove hex nut and spring lock washer on the transmission pulley and slide the pulley out until the belt can be removed. See figure 24.
- Step 7. Replace belt and reassemble.

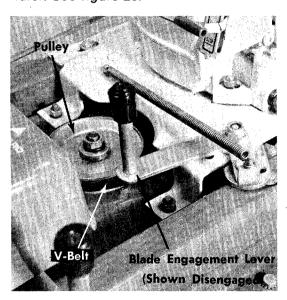
#### **BLADE BELT REPLACEMENT**

- Step 1. Lift the front end of the rider up so it rests on the rear wheels and seat. Block the mower under the steering wheel to help support the mower.
- Step 2. Remove the blade by removing the hex head cap screw in the center of the blade. Hold the blade with one hand and using a ½" open end, box or adjustable wrench, remove the bolt. See figure 22.



Wrap a rag around the blade to protect your hand.

- Step 3. Take off the deck by removing the six hex nuts and lock washers as shown in figure 23.
- Step 4. Remove the transmission belt from the engine pulley. See figure 24.
- Step 5. Place the blade engagement lever in the engaged position (see figure 25) and loosen the center lock nut on the blade idler. See figure 26.



#### FIGURE 25. BLADE ENGAGEMENT LEVER



It may be necessary to spring the belt guard out of the way. When installing the new belt be sure to put the belt guard back in the original position. See figure 24.

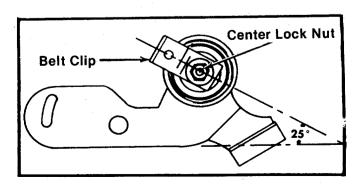


FIGURE 26. BELT IDLER



Use a 1/2" open end wrench. When installing the new belt be sure the belt clip is in the same position as shown in figure 26.

- Step 6. With the blade engagement lever in the disengaged position, remove the blade belt from the engine pulley.
- Step 7. Remove the belt guard on the blade spindle pulley. Unhook the belt from the pulley.
- Step 8. Pull the belt through from the bottom side. Move the blade engagement lever between the engaged position and the disengaged position as you remove the belt
- Step 9. Install the new belt and reassemble.

#### **BELT TROUBLE SHOOTING**

#### CREEPING OR BELT WEAR. See figure 24.

The position of the belt clip on the idler bracket assembly is important for proper operation of your mower. Improper position of the belt clip can cause damage to the belt or it can allow the mower to "creep" when the clutch pedal is not depressed. Proper positioning will not allow the belt clip to touch the belt when the belt is tightened. It also "traps" the belt away from the engine pulley when the belt is loose. The drawing at left shows the correct position for the belt clip. Adjustment is made by loosening the hex nut, adjusting belt clip to position shown and retightening hex nut securely.

#### **BELT WEAR— Pulleys**

For proper belt wear, all pulleys, including the idler pulley, must be on the same plane. Improper alignment will cause rapid belt wear.

#### DRIVE PULLEYS. See figure 24.

Alignment may be made by removing the deck. Check alignment with a straight edge. The transmission pulley is held in place with a hex nut and lock washer. It should not need adjustment. The engine pulley is held in position by a hex head bolt and washers. The idler bracket assembly is held in position by a shoulder bolt. If realignment is needed, it is necessary to bend bracket up or down as alignment requires. Care must be taken not to damage the belt clip.

#### **BLADE PULLEYS**

Raise front of mower approximately a foot off the ground and support it with blocks. Sight down blade belt from front of mower. Note if blade idler pulley is in line with blade spindle pulley and top section of engine pulley. If alignment is necessary, bend idler bracket assembly up or down as needed. Do not damage or bend belt clip on idler bracket assembly.

# BELT WEAR—Belt Guards and Clips. See figure 24.

Belt guards and clips if improperly positioned will cause premature belt wear. All belt guards and clips must completely clear the belt when the belt is tightened. They should also assist in freeing the belt from the engine pulley when the belt is loose. The belt clip on the blade idler bracket assembly may be checked by removing the top belt guard. Observe belt and pulley action while operating the blade disengage lever. The belt clip on the drive idler bracket assembly may be checked by removing the inspection plate under the deck. Observe belt and pulley action while operating the clutch pedal.

#### CREEPING. See figure 24.

"Creeping" may be caused if the idler bracket assembly does not move all the way back when the clutch pedal is released. This may be caused by insufficient spring pressure, a bent clutch control rod or a binding idler bracket. Check by removing the inspection plate under deck. Observe idler pulley action while operating the clutch pedal. If idler bracket binds, lubricate with an all purpose grease.



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

### **OFF-SEASON STORAGE**

If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

Step 1. Working outdoors, run the engine until all the fuel is consumed. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank.



Do not drain fuel while smoking or if near an open fire.

- Step 2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with clean new oil.
- Step 3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about six drops of engine oil into the cylinder, and then pull the recoil starter several times to spread the oil on the cylinder wall. Replace the spark plug, but DO NOT connect the wire.
- Step 4. Clean the engine and the entire mower thoroughly.
- Step 5. Lubricate all lubrication points indicated in figure 19; then wipe the entire machine with an oiled rag in order to protect the surfaces.

GRASS CATCHER Model No. 190-015A is available as optional equipment for the mowers shown in this manual.



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



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.

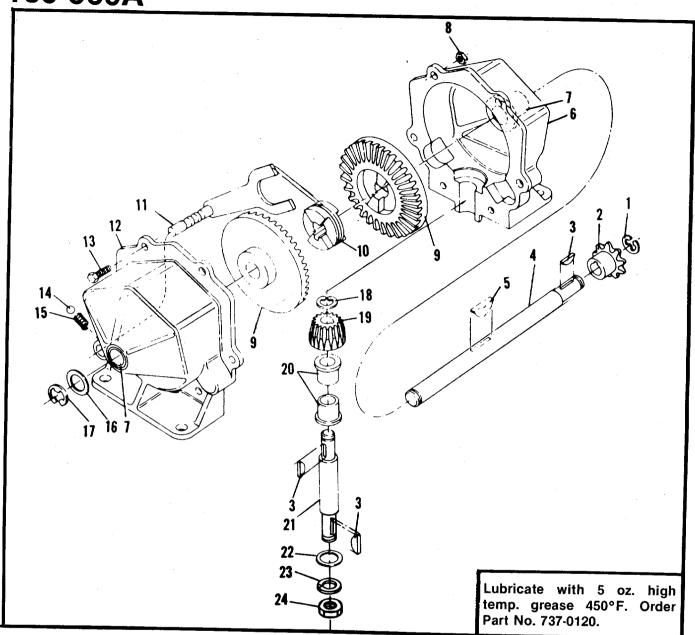
For replacement bags, use only factory authorized replacement bag No. 764-0121.

The manufacturer DOES NOT recommend the use of any accessory on these riding mowers other than those manufactured by MTD Products Inc.

# TROUBLE SHOOTING CHART FOR RECOIL START MODELS

CAUTION: ALWAYS DISCONNECT SPARK PLUG BEFORE ATTEMPTING ANY REMEDY.

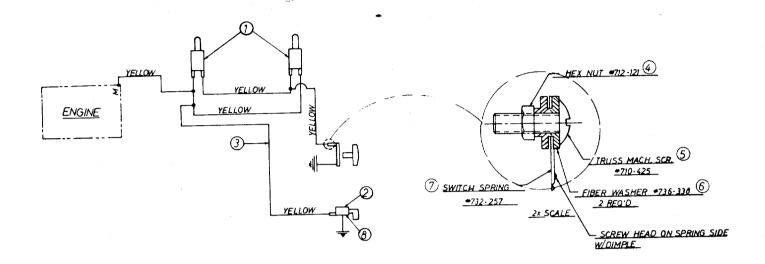
TROUBLE	LOOK FOR	REMEDY
	Clutch and blade not disengaged.	Clutch pedal must be depressed and blade must be shut off.
pulled.	Ignition key not in the ON position.	Turn on the ignition key.
	Throttle not in the starting position.	Check owner's guide for correct position for throttle control for starting.
	No spark to spark plug.	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have the engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.
	No fuel to the carbure- tor.	Gasoline tank empty. Fill. Fuel valve shut off. Open valve. Valve is located either at the bottom of the fuel tank or on the carburetor. Fuel line is plugged. Remove and clean.
	Air filter dirty.	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
	Mechanical failure (wires or switch).	The interlock system includes two mechanical activated switches which are wired in parallel. If the buttons on both switches are not depressed at least 1/8", the magneto will be grounded and the engine will not start. While testing the interlock system, you will make the mower temporarily unsafe by permitting the engine to be started with the blade and clutch engaged. WARNING: While testing, disengage the clutch, shut off the blade control, set the parking brake and place the gear shift lever in neutral. Disconnect the yellow wire where it attaches to the primary wire from the breaker assembly on the engine. Try to start the engine. If the engine does not start, the problem is in the engine (e.g. no fuel or no ignition). If the engine does start, the problem is in the safety system. Check the following: 1. The interlock wire may be grounded by being pinched or rubbing through the insulation. Tape or replace the wire. 2. The bolt on the flat spring behind the recoil starter where the yellow wire attaches must be insulated from the spring. Use a continuity tester. If it is not insulated, remove the bolt and nut, and replace the two fiber washers and reassemble.
Engine stops when the mow- er blade is en- gaged or the clutch is re- leased.	Recoil handle is not in proper position.	After the engine starts, the recoil starter handle must be pushed into the dashboard and turned a quarter turn either direction to lock it in place.
Engine smokes.	Engine loses crankcase vacuum.	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
Excessive vibration	Bent or damaged blade spindle	Stop engine immediately. Check all pulleys, blade spindles, blade adapters, keys and bolts for tightness or damage.  Tighten or replace any damaged parts.
	Bent blade.	Stop engine immediately. Replace damaged blade. Only use original equipment blades.
Mower will not discharge grass or leaves uncut strips.	Engine speed too low.	Throttle must be set between 3/4 and full throttle.
dilogi stripo.	Transmission selection.	Use lower transmission gear. The slower your ground speed, the better the quality of cut.
1	Blades short or dull.	Sharpen or replace blades (uncut strip problem only).



SINGLE SPEED TRANSMISSION PART NO. 717-0223

	OINGLE SPEED THANSWISSION PART NO. 717-0223							
REF.	PART COLOR NO. CODE	DESCRIPTION	NEW PART	REF.	PART NO.	COLOR	DESCRIPTION	NEW PART
	716-0104 748-0852 714-0129 711-0854 714-0126 717-0123 748-0855 712-0117 748-0856 748-0857 08583 717-0124	Snap Ring Sprocket 8T #41 Key Hi-Pro #4 Shaft Output Key Hi-Pro #606 (Hardened) Housing Half Bearing Lock Nut 1/4-28 Thd.* Bevel Gear Clutch Collar Detent Shaft Ass'y. Housing Half w/Detent Hole		13 14 15 16 17 18 19 20 21 22 23 24	710-019 741-086 732-086 736-011 716-010 716-086 748-086 748-086 738-015 736-019 736-092 712-092	23665567921	Hex Hd. Cap Scr. 1/4-28 x .62* Detent Ball Detent Spring Washer E-Ring Snap Ring #3100-50 Bevel Pinion Bearing Pinion Shaft Washer Lock Washer 1/2 "* Hex Jam Nut 1/2-20 Thd.*	

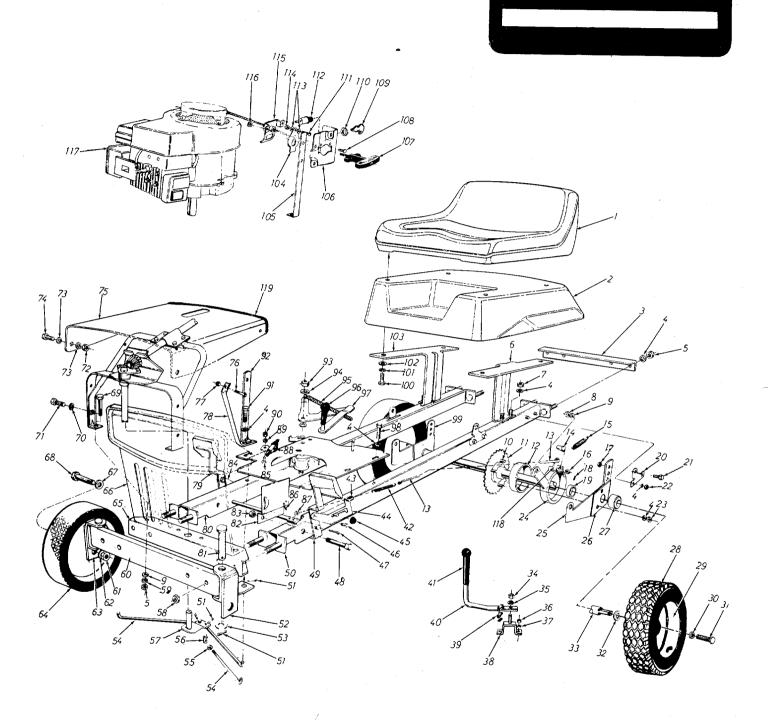
<sup>\*</sup>For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts. list.



**RECOIL WIRING** 

	· P.	ARTS LIST FOR WIRING	
REF.		DESCRIPTION	PART
1	725-0269	Safety Switch—Red (2 Reg'd.)	-
2	725-0464	Magneto Ignition Switch w/Nut	
	725-0201	Ignition Key	
3	725-0273	Wire Harness	
4	712-0121	Hex Nut #10-24	
5	710-0425	Truss Mach. Scr. #10-24 x .62	
6	736-0338	Fiber Washer (2 Req'd.)	'
7	732-0257	Switch Spring	
8	736-0225	Internal L-Wash. 5/8 I.D.	

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

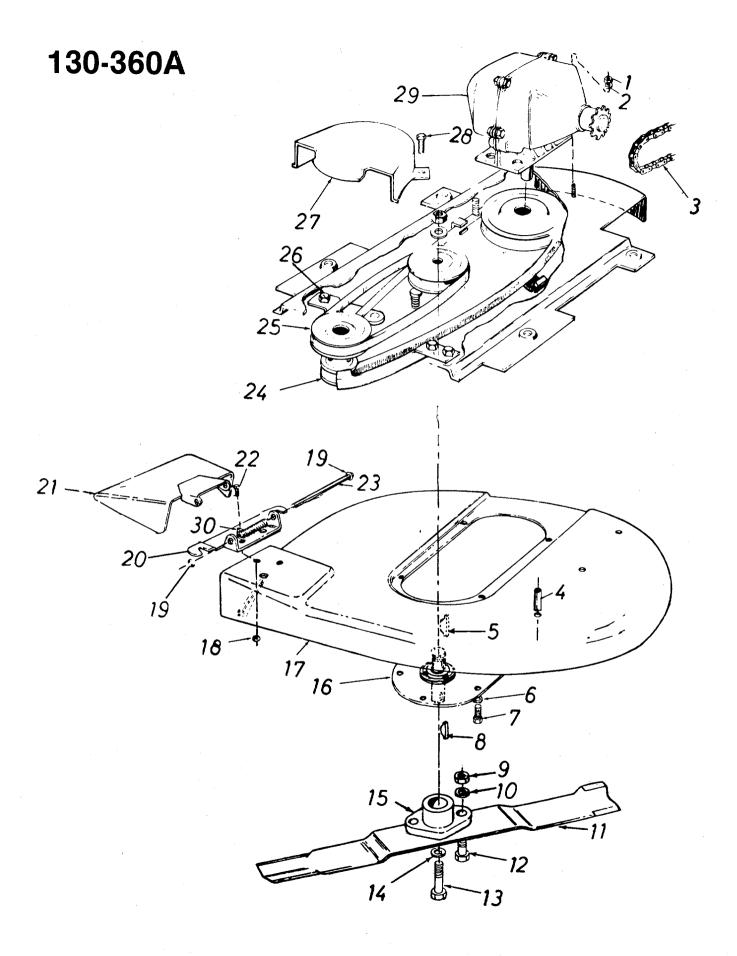




#### NOTE

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.

			PARTS LIST	FOR	MOD	EL 130-360A		NEW
	REF.	PART COLOR NO. CODE	DESCRIPTION	NEW PART		PART COLOR NO. CODE	DESCRIPTION	PAR
+			Seat		59	07386	FI-Wash390 I.D. x 1.75" O.D.	•
-	2	731-0348	Rear Cover			07865 —462	Support Bar Ass'y.—Front L-Nut 7/16-20 Thd.	
		0,000	Frame—Rear			712-0137 736-0156	FI-Wash635" I.D. x 1.20"	
1		736-0119 712-0267	L-Wash. 5/16" Scr.* Hex Nut 5/16-18 Thd.*		02	7000100	O.D.	
1		12829 —462	Seat Support Brkt. Ass'y.—			09336 —462	Wheel Brkt. Ass'y.—R.H.	
-		12020	L.H.			734-0510	Front Wheel Ass'y.—Comp.	
		712-0267	Hex Nut 5/16-18 Thd.*			08487 —462 08718 —462	Front Channel Ass'y. Grille	
		712-0429	Hex Ins. L-Nut 5/16-18 Thd. FI-Wash344 I.D. x .62 O.D.			736-0116	Fl-Wash635 l.D. x .93 O.D.	
1		736-0264 710-0198	Hex Scr. 5/16-18 x .75" Lg.*		68	738-0186	Shld. Bolt .625" Dia. x 2.75	
		717-0273	Rear Axle Ass'y.			710-0190	Hex Scr. 5/16-18 x 4.00" Lg.*	
	12	09055	Brake Cup		70 71	736-0142 710-0179	FI-Wash281 I.D. x .50" O.D. Hex F-Tapp Scr. 1/4-20 x .50"	
		747-0110	Brake Rod Adjustment Link (Brake Band)		7.1	710-0179	Lg.*	
		711-0152 732-0118	Ext. Spring (Brake Return)		72	712-0287	Hex Nut 1/4-20 Thd.*	
		712-0107	Hex Cent. L-Nut 1/4-20 Thd.		73	736-0329	L-Wash. 1/4" Scr.*	
	17	712-0116	Hex Ins. L-Nut 3/8-24 Thd.			710-0258	Hex Scr. 1/4-20 x .62" Lg.*	
	18	710-0938	Set Scr. 1/4-28 x .25" Lg.		75 76	12832 —462 710-0606	Front Hood Hex Scr. 1/4-20 x 1.50" Lg.*	
Ì	40	711 0120	(Cup Point) Collar ¾" I.D.		77	712-0107	Hex Cent. L-Nut 1/4-20 Thd.	
		711-0139 11590 —462	Support Adj. Wheel Hanger		78	08715	Steering Frame Support	
İ		710-0152	Hex Scr. 3/8-24 x 1.00" Lg.*			11553	Brake Pedal Axle Ass'y.	
	22	712-0267	Hex Nut 5/16-18 Thd.*		80 81	11582 —462 711-0577	Side Channel Ass'y.—R.H. Clevis Pin 5/8" Dia. x 3.06" L	ď
		712-0267	Hex Nut 5/16-18 Thd.* Brake Band Ass'y.—Comp.			08164	Heat Shield	9
		08551 07794 —462	Wheel Adjustment Hanger			712-0130	Hex Ins. L-Nut 3/8-16 Thd.	
		07792 —462	Bearing Plate			11564	Brake Lever—R.H.	
	27	748-0391	Spherical Bearing .753 l.D.			710-0258	Hex Scr. ¼-20 x .62" Lg.* Spring Pin Spiral 5/32" Dia.	İ
	28	734-0522	Rear Wheel Ass'y.—Comp.		86	715-0249	x 1.12" Lg.	
	20	734-0517	12.2 x 3.7 Rear Wheel Rim Ass'y.		87	11558	Brake Lever Brkt. Ass'y.	
	29	734-0317	(Includes Hub)		88	725-0269	Safety Switch	
		734-0301	Rear Wheel Tire Only 12.2 x			736-0329	L-Wash. 1/4" Scr.* Hex Nut 1/4-20 Thd.*	
			3.7			712-0287 710-0176	Hex Nut %-20 Tild. Hex Scr. 5/16-18 x 2.75" Lg.*	
	30	736-0242	Belleville Wash343 l.D. x .875 O.D.			08865	Hood Support Brkt.—Front	
	31	710-0627	Hex Scr. w/Lock 5/16-24 x		93	712-0130	Hex Ins. L-Nut 3/8-16 Thd.	
			.75" Lg.			736-0300	FI-Wash385 I.D. x .87 O.D.	
	32	736-0134	FI-Wash.			732-0158 720-0143	Blade Tension Spring Grip (For Blade Lever)	
		717-0273	Rear Axle Ass'y. Hex Ins. L-Nut 5/16-18 Thd.			07898	Blade Tension Brkt. Ass'y.	
		712-0429 736-0300	FI-Wash385 I.D. x .87 O.D.		98	710-0176	Hex Scr. 5/16-18 x 2.75" Lg.	
		712-0107	Hex Cent. L-Nut 1/4-20 Thd.			07792 —462		
		736-0329	L-Wash. 1/4" Scr.*			710-0258 736-0329	Hex Scr. ¼-20 x .62" Lg.* L-Wash. ¼" Scr.*	
		07364	Shift Lever Brkt. Ass'y. #41 Master Link			736-0142	FI-Wash281 I.D. x .50	
		713-0723   08720	Transmission Shift Lever				O.D. x .063	
	41	720-0143	Grip		103	12828 —462		Ì
		732-0260	Brake Tension Spring		100	732-0257	R.H. Switch Spring	
		11249 11563 —462	Knob Clutch Lever—L.H.			08865	Hood Support Brkt.—Front	
		11563 —462 726-0121	Push Cap 1/4" Dia.—Black		106	11561	Starter Brkt.	
	46		Shid. Scr437 Dia. x .180			11263	Plastic Handle (Starter Rope	)
	47		Cotter Pin 3/32" Dia. x .75"		108	710-0351	Truss Mach. Scr. #10 x .50" Lg.	
		740 0407	Lg.* Hex Scr. 3/8-16 x 2.00" Lg.*		109	725-0128	Ignition Key	
		710-0427 11556	Clutch Pedal Ass'y.			736-0225	Internal L-Wash. 5/8" I.D.	.
		11581 —462	Side Channel Ass'y.—L.H.		111	710-0425	Truss Mach. Scr. #10-24 x	
-	51	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cotter Pin 1/8" Dia. x 1.00"		447	725.0464	.62" Lg.	
`		100	Lg.*			725-0464 736-0338	Ignition Switch Fiber Washer	
		2 09335 —462 3 736-0116	Wheel Brkt. Ass'y.—L.H. FI-Wash635 I.D. x .93 O.D.	-		712-0121	Hex Nut #10-24 Thd.*	
		711-0197	Tie Rod		115	5 11053	Switch Brkt. Ass'y.	:
	55	712-0711	Hex Jam Nut 3/8-24 Thd.			712-0147	Speed Nut #10-24 U-Type	į
		711-0198	Pivot Bushing (Tie Rod End)		117	08109	Engine Pivot Lever	
	57		Steering Post Ass'y.  Hex Nut 5/16-18 Thd *  Download from Www.Somanuals.		1110	731-0130	Fyt U-Channel Vinyl 22.5" 1	.g.
	58	112-0201	' ' ' Dồwnĭóa'd from Www.Somanuals.	colm. All	<b>Magua</b>	ls Search And Downlo	ad:	



#### PARTS LIST FOR MODEL 130-360A

REF.		COLOR	DESCRIPTION	NEW PART
NO.	NO.	CODE		
1	712-026		Hex Nut 5/16-18 Thd.*	
2	736-01		Spring L-Washer 5/16" Scr.*	
- 3	713-03	57	#41 Chain 1/2" Pitch x 67	ŀ
			Links	
4	07956		Spacer (Between Deck and	
_	744.00	CE .	Frame) #6 Hi-Pro-Key 5/32 x 5/8" Dia.	
5	714-03		External L-Washer 5/16" Scr. *	
6	736-06		Hex Scr. 5/16-24 x .50" Lg.*	
7	710-01 714-03		#6 Hi-Pro-Key 5/32 x 5/8" Dia.	
8 9	712-01	1	Hex Nut 5/16-24 Thd.*	
10	736-01		Spring L-Washer 5/16" Scr.*	
11	742-01	32	Blade	
12	710-01	17	Hex Scr. 5/16-24 x 1.00"	
'-	1, 100.		Lg.—H.T.	
13	710-04	59	Hex Scr. 3/8-24 x 1.50" Lg.—	
.0		-	H.T.	
14	736-02	217	Spring Lock Washer 3/8"	!
			Scr.—H.D.	
15	10769		Blade Adapter Kit	
16	09387		Inspection Plate	ļ
17	11595		Deck Ass'y.—Comp.	1
18	712-01		Hex Center L-Nut 1/4-20 Thd.	Ì
19	726-01		Push Nut 1/4" Rod	ļ.
20	11399			
21	11633	<del>462</del>		
	740.00	220	Comp. Hex Scr. 1/4-28 x .50" Lg.*	
22	710-02		Pivot Pin	1
23	711-05		"V"-Belt ½" x 47" Lg.	
25	756-0		Two-Step Engine Pulley	1
26	712-0		Hex Inserted L-Nut 3/8-16	
27	07397		Belt Cover	
28	710-0		Hex F-Tapp. Scr. #10-32 x	
20	1,100	0	.50" Lg.*	
29	717-0	223	Transmission Ass'y.—Comp.	
30	732-0		Torsion Spring	

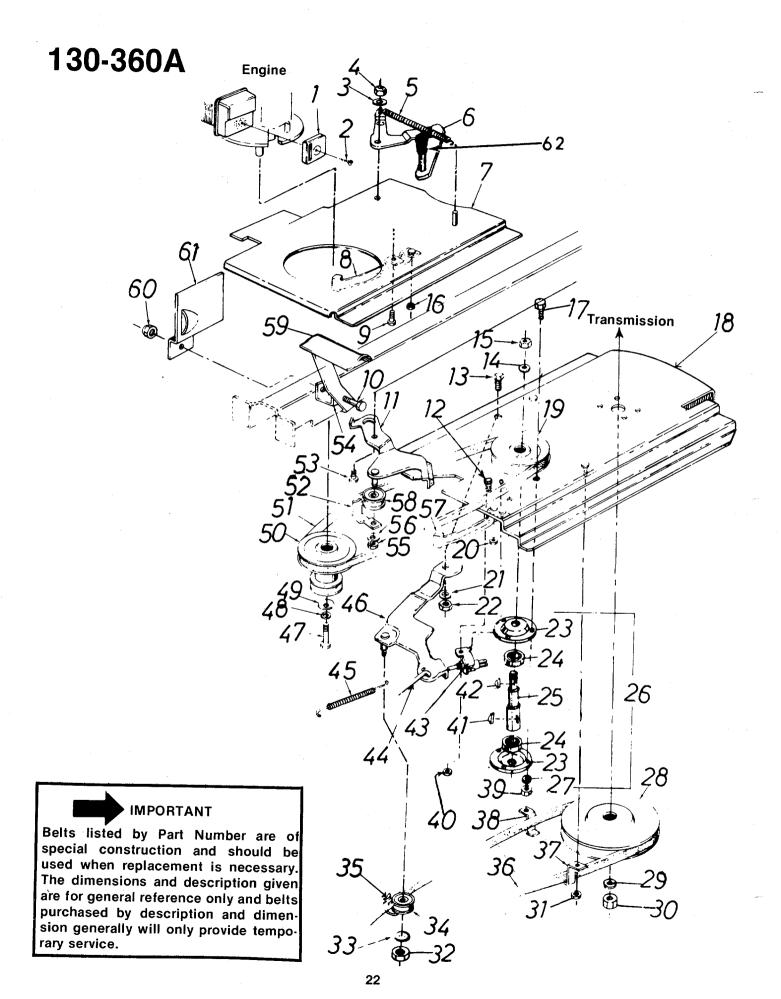
<sup>\*</sup>For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462-Red Flake)

When ordering parts, if color or finish is important, use the appropriate color code shown at left. (e.g. Red Flake Finish (462).)

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."





#### PARTS LIST FOR MODEL 130-360A

<u>_</u>	REF.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLO	E DESCRIPTION PAR
ľ	1	09296	L	Exhaust Deflector		31	712-012		Hex Nut 5/16-24 Thd.*
- 1		69338		Screw		32	712-011		Hex Ins. Lock Nut 3/8-24 Thd
		736-03	00	FI-Wash385 I.D. x .87 O.D.		33	736-016		FI-Wash.
		712-01		Hex Ins. Lock Nut 3/8-16 Thd	l <b>.</b>	34	756-037	70	Idler Bearing Ass'y.
		732-01		Blade Tension Spring		35	07353		Belt Clip
		07898		Blade Tension Brkt. Ass'y.		36	754-093	36	"V"-Belt ½" x 47" Lg.
	7	11584		Engine Mtg. Plate Ass'y.		37	07437		Belt Clip
		07401-	1	Belt Guard		38	07437		Belt Clip
	9	710-02	58	Hex Hd. Cap Scr. 1/4-20 x		39	712-026		Hex Nut 5/16-18 Thd.*
				.62" Lg.*	l	40	712-028		Hex Nut 1/4-20 Thd.*
	10	710-04	27	Hex Hd. Cap Scr. 3/8-16 x		41	714-036		#6 Hi-Pro Key 5/32 x 5/8" Dia.
				2.00" Lg.*		42	714-036		#6 Hi-Pro Key 5/32 x 5/8" Dia.
	11	11588		Blade Idler Brkt. Ass'y.		43	725-026	9	Safety Switch Transmission Link
	12	710-02	58	Hex Hd. Cap Scr. 1/4-20 x		44	11562	0.1	Idler Extension Spring
				.62" Lg.*	ļ	45	732-012	۷۱	Transmission Idler Brkt.
	13	738-01		Shld. Scr437" Dia. x .180	i *	46	11551		Ass'y.
	14	736-09		Spring Lock Washer 1/2" Scr	• "	47	710-01	E2	Hex Hd. Cap Scr. 3/8-24 x
	15	712-02		Hex ins. Lock Nut ½-20 Thd	•	47	/ 10-01	52	1.00" Lg.*
	16	712-02		Hex Nut 1/4-20 Thd.*	Ì	40	736-02	17	Spring Lock Washer 3/8"
	17	710-03	322	Hex Sems Scr. 5/16-18 x	1	48	130-02	17	Scr. H.D.
		4.500		1.00" Lg.*		49	736-02	10	Belleville Washer .400 I.D. x
	18	11586		Blade Mtg. Plate Ass'y. Pulley 4" Dia. (For Blade		43	130-02	13	1.120 O.D.
	19	09925				50	756-01	81	Two Step Engine Pulley
	00	740.00	107	Spindle) Hex Nut 1/4-20 Thd.*		51	754-01		"V"-Belt ½" x 30" Lg.
	20	712-02		FI-Wash406 I.D. x .734 O.D	t	52	07353	0,	Belt Clip
	21	736-03 712-01		Hex Center Lock Nut 5/16-18		53	738-01	43	Shld, Scr498 Dia. x .340
	22	1/12-01	100	Thd.	1	54	07787		Spacer Bracket
	23	08253		Bearing Housing		55	712-02	16	Hex Inserted Lock Nut 3/8-24
	24	741-09		Ball Bearing			1		Thd.
	25	738-01		Blade Spindle	1	56	736-01	60	FI-Wash.
	26	741-01		Blade Spindle Ass'y.—Comp	o'.	57	07400-		Belt Guard
	27	736-01		Spring Lock Washer 5/16"	1	58	756-03	370	Idler Bearing Ass'y.
	~ '	1,000		Scr.*		59	11556		Clutch Pedal Ass'y.
	28	756-0	175	Pulley 7" Dia. x ½" I.D.		60	712-01	30	Hex Inserted Lock Nut
		000	•	(Transmission)					3/8-16 Thd.
	29	736-09	921	Spring Lock Washer 1/2" Sci	r.'*	61	08164		Heat Shield
	30	712-02		Hex Jam Nut 1/2-20 Thd.*	1	62	07343		Cap (For Blade Lever)

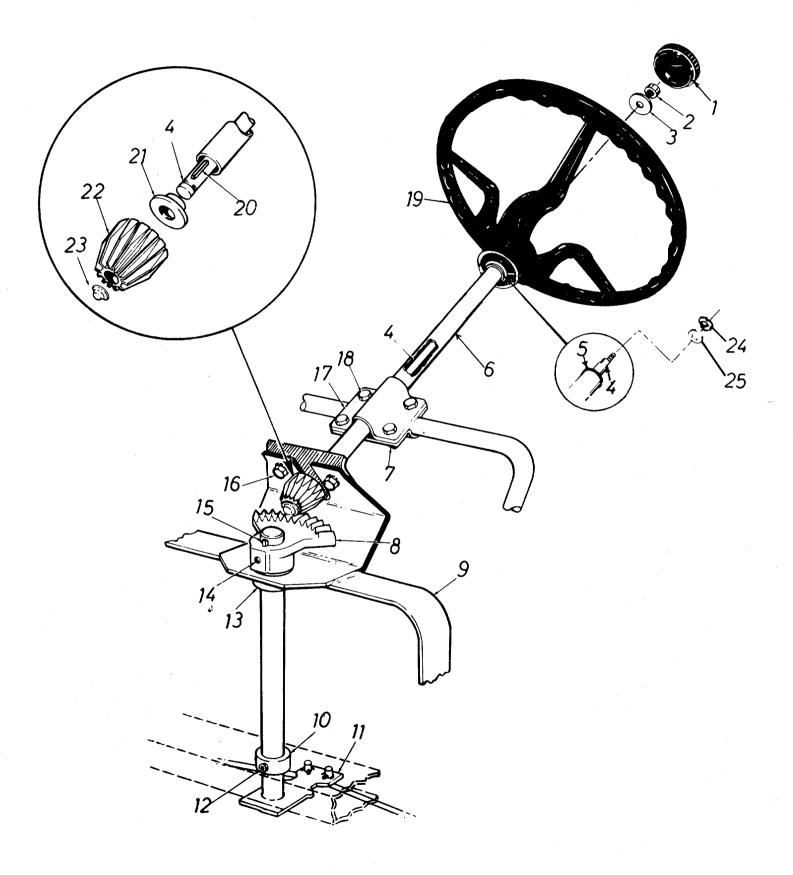
<sup>\*</sup>For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462-Red Flake)

When ordering parts if color or finish is important, use color code shown at left. (e.g. Red Flake Finish—11907 (462).)

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."





## PARTS LIST FOR MODEL 130-360A

REF NO.				ST FOR WODEL 100 000.1	NEW
712-0158  736-0242  Hex Center Lock Nut 5/16-18 Thd.*  Belleville Washer .343 l.D. x .875 O.D.  Steering Column Rod Flange Bearing—.628 l.D. x 1.120 O.D.  Steering Tube Ass'y. Hex Center Lock Nut ¼-20 Thd.  Gear Segment Steering Frame Ass'y. Collar ¾″ l.D. Steering Post Ass'y. Set Scr. ¼-28 x .25" Lg.— Cup Point Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point)  #61 Hi-Pro-Key 3/16 x 5/8" Dia. Hex Sems Scr. 5/16-18 x .75" Lg.*  Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  The Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  Tal-0198  748-0108  Particular delay in the color of				DESCRIPTION	
712-0158  736-0242  Hex Center Lock Nut 5/16-18 Thd.*  Belleville Washer .343 l.D. x .875 O.D.  Steering Column Rod Flange Bearing—.628 l.D. x 1.120 O.D.  Steering Tube Ass'y. Hex Center Lock Nut ¼-20 Thd.  Gear Segment Steering Frame Ass'y. Collar ¾" l.D. Steering Post Ass'y. Set Scr. ¼-28 x .25" Lg.— Cup Point Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point)  #61 Hi-Pro-Key 3/16 x 5/8" Dia. Hex Sems Scr. 5/16-18 x .75" Lg.*  Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  The Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  Tal-0108  Page 14 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 l.D. x .88 O.D. x .010	1	731-02	20	Steering Wheel Cap	
Thd.*  736-0242  Thd.*  Belleville Washer .343 l.D. x .875 O.D.  Steering Column Rod Flange Bearing—.628 l.D. x 1.120 O.D.  Steering Tube Ass'y.  Hex Center Lock Nut ¼-20 Thd.  Gear Segment Steering Frame Ass'y.  Collar ¾" l.D.  Steering Post Ass'y.  Coup Point  Flange Bearing  748-0138  748-0138  748-0138  Flange Bearing  Set Scr. ¼-28 x .25" Lg.— Cup Point  Flange Bearing  Set Scr. ¼-28 x .25" Lg. (Cup Point)  Flange Bearing  Set Scr. ¼-28 x .25" Lg. (Cup Point)  Flange Bearing  Set Scr. ¼-28 x .25" Lg. (Cup Point)  #61 Hi-Pro-Key 3/16 x 5/8" Dia.  Hex Sems Scr. 5/16-18 x .75" Lg.*  Tube Clamp  Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  Tube Clamp  Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  Steering Wheel  714-0129  748-0108  Flange Bearing ½" Bore Bronze  Pinion Gear  Push Cap—.500 Dia. Shaft Wave Washer—.660 l.D. x .88 O.D. x .010				Hex Center Lock Nut 5/16-18	
.875 O.D.  3748-0198 5 748-0184	_	11201		Thd.*	
.875 O.D.         .878-0198       Steering Column Rod         .5 748-0184       Flange Bearing—.628 I.D. x         .11774       Steering Tube Ass'y.         .7 712-0107       Hex Center Lock Nut ¼-20         .8 748-0137       Gear Segment         .9 08704       Steering Frame Ass'y.         .10 711-0139       Steering Post Ass'y.         .11 08712       Steering Post Ass'y.         .12 710-0938       Set Scr. ¼-28 x .25" Lg.         .13 748-0138       Flange Bearing         .14 710-0938       Set Scr. ¼-28 x .25" Lg.         .15 714-0388       Flange Bearing         .16 710-0198       Hex Sems Scr. 5/16-18 x .75" Lg.*         .17 08714       Tube Clamp         .18 710-0258       Hex Hd. Cap Scr. ¼-20 x .62" Lg.*         .19 731-0219       Steering Wheel         .19 731-0219       Hex Hd. Pro-Key 3/32 x 5/8" Dia.—Hardened         .19 748-0108       Flange Bearing ½" Bore Bronze         .21 748-0866       Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010	વ	736-02	42	Belleville Washer .343 l.D. x	,
4       738-0198       Steering Column Rod Flange Bearing—.628 I.D. x 1.120 O.D.         6       11774       Steering Tube Ass'y.         7       712-0107       Steering Tube Ass'y.         8       748-0137       Gear Segment Gear Segment Steering Frame Ass'y.         9       08704       Steering Frame Ass'y.         10       711-0139       Steering Post Ass'y.         11       08712       Steering Post Ass'y.         12       710-0938       Set Scr. ¼-28 x .25" Lg.         13       748-0138       Flange Bearing         14       710-0938       Set Scr. ¼-28 x .25" Lg.         (Cup Point)       (Cup Point)         15       714-0388       Hex Sems Scr. 5/16-18 x .75" Lg.*         16       710-0198       Hex Sems Scr. 5/16-18 x .75" Lg.*         17       08714       Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*         19       731-0219       Steering Wheel         20       748-0108       Flange Bearing ½" Bore Bronze         21       748-0866       Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010         24       736-0174       Wave Washer—.660 I.D. x .88 O.D. x .010	, J	100 02	. ,_	.875 O.D.	
5       748-0184       Flange Bearing—.628 l.D. x 1.120 O.D.         6       11774       Steering Tube Ass'y.         7       712-0107       Hex Center Lock Nut ¼-20 Thd.         8       748-0137 Gear Segment Steering Frame Ass'y.         9       08704 Steering Frame Ass'y.         10       711-0139 Steering Post Ass'y.         11       08712 Set Scr. ¼-28 x .25" Lg.— Cup Point         13       748-0138 Flange Bearing Set Scr. ¼-28 x .25" Lg.— (Cup Point)         15       714-0388 Flange Bearing Set Scr. ¼-28 x .25" Lg.— (Cup Point)         16       710-0198 Flange Bearing Set Scr. ½-28 x .25" Lg.— (Cup Point)         17       08714 Flange Bearing Scr. ½-28 x .25" Lg.— (Cup Point)         18       710-0198 Flange Bearing Scr. ½-28 x .25" Lg.— (Cup Point)         19       731-0219 Flange Bearing Scr. ½-20 x .62" Lg.*         19       731-0219 Flange Bearing Wheel         20       714-0129 Flange Bearing Wheel         21       748-0108 Flange Bearing ½" Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 l.D. x .88 O.D. x .010	4	738-01	98	Steering Column Rod	
1.120 O.D.  11774 7 712-0107 Steering Tube Ass'y. Hex Center Lock Nut ¼-20 Thd. Gear Segment Steering Frame Ass'y. Collar ¾" I.D. Steering Post Ass'y. Set Scr. ¼-28 x .25" Lg.— Cup Point Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point)  15 714-0388 Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point) Flange Bearing Fl				Flange Bearing—.628 I.D. x	
7       712-0107       Hex Center Lock Nut ¼-20 Thd.         8       748-0137       Gear Segment Steering Frame Ass'y.         10       711-0139       Collar ¾" I.D.         11       08712       Steering Post Ass'y.         12       710-0938       Set Scr. ¼-28 x .25" Lg.— Cup Point         13       748-0138       Flange Bearing         14       710-0938       Set Scr. ¼-28 x .25" Lg.         (Cup Point)       #61 Hi-Pro-Key 3/16 x 5/8"         Dia.       Hex Sems Scr. 5/16-18 x .75"         Lg.*       Tube Clamp         Hex Hd. Cap Scr. ¼-20 x .62" Lg.*         19       731-0219         20       714-0129         4       Hi-Pro-Key 3/32 x 5/8"         Dia.—Hardened         Flange Bearing ½" Bore         Bronze         Pinion Gear         Push Cap—.500 Dia. Shaft         Wave Washer—.660 I.D. x .88         O.D. x .010	~	1.00.		1.120 O.D.	
7       712-0107       Hex Center Lock Nut ¼-20 Thd.         8       748-0137       Gear Segment Steering Frame Ass'y.         10       711-0139       Collar ¾" I.D.         11       08712       Steering Post Ass'y.         12       710-0938       Set Scr. ¼-28 x .25" Lg.— Cup Point         13       748-0138       Flange Bearing         14       710-0938       Set Scr. ¼-28 x .25" Lg.         (Cup Point)       #61 Hi-Pro-Key 3/16 x 5/8"         Dia.       Hex Sems Scr. 5/16-18 x .75"         Lg.*       Tube Clamp         Hex Hd. Cap Scr. ¼-20 x .62" Lg.*         19       731-0219         20       714-0129         4       Hi-Pro-Key 3/32 x 5/8"         Dia.—Hardened         Flange Bearing ½" Bore         Bronze         Pinion Gear         Push Cap—.500 Dia. Shaft         Wave Washer—.660 I.D. x .88         O.D. x .010	6	11774		Steering Tube Ass'y.	
Thd.    Rational Steeling Frame Ass'y.	7			Hex Center Lock Nut 1/4-20	
9 08704 10 711-0139 11 08712 12 710-0938  13 748-0138 14 710-0938  15 714-0388  16 710-0198  17 08714 18 710-0258  19 731-0219 20 748-0108  10 748-0108  11 08704  12 736-0174  13 748-0108  Steering Frame Ass'y. Collar ¾" I.D. Steering Post Ass'y. Set Scr. ¼-28 x .25" Lg. Cup Point Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point)  #61 Hi-Pro-Key 3/16 x 5/8" Dia. Hex Sems Scr. 5/16-18 x .75" Lg.*  Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.* Steering Wheel Flange Bearing ½" Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010	•		•		
9 08704 10 711-0139 11 08712 12 710-0938 13 748-0138 14 710-0938 15 714-0388 16 710-0198 17 710-0198 18 710-0258 19 731-0219 20 714-0129 20 748-0108 21 748-0866 23 726-0221 24 736-0174  Steering Frame Ass'y. Collar ¾″ I.D. Steering Post Ass'y. Set Scr. ¼-28 x .25″ Lg. Cup Point Flange Bearing Set Scr. ¼-28 x .25″ Lg. (Cup Point) #61 Hi-Pro-Key 3/16 x 5/8″ Dia. Hex Sems Scr. 5/16-18 x .75″ Lg.* Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62″ Lg.* Steering Wheel #4 Hi-Pro-Key 3/32 x 5/8″ Dia.—Hardened Flange Bearing ½″ Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010	8	748-01	137	Gear Segment	
10       711-0139       Collar ¾" I.D.         11       08712       Steering Post Ass'y.         12       710-0938       Set Scr. ¼-28 x .25" Lg.—         Cup Point       Flange Bearing         14       710-0938       Set Scr. ¼-28 x .25" Lg.         (Cup Point)       (Cup Point)         15       714-0388       #61 Hi-Pro-Key 3/16 x 5/8"         16       710-0198       Hex Sems Scr. 5/16-18 x .75"         Lg.*       Lg.*         17       08714       Tube Clamp         Hex Hd. Cap Scr. ¼-20 x .62" Lg.*       .62" Lg.*         19       731-0219       Steering Wheel         20       714-0129       #4 Hi-Pro-Key 3/32 x 5/8"         Dia.—Hardened       Flange Bearing ½" Bore         Bronze       Pinion Gear         22       748-0866       Pinion Gear         23       726-0221       Push Cap—.500 Dia. Shaft         Wave Washer—.660 I.D. x .88       O.D. x .010					
11       08712       Steering Post Ass'y.         12       710-0938       Set Scr. ¼-28 x .25" Lg.—         Cup Point       Flange Bearing         14       710-0938       Set Scr. ¼-28 x .25" Lg.         (Cup Point)       (Cup Point)         15       714-0388       #61 Hi-Pro-Key 3/16 x 5/8"         16       710-0198       Hex Sems Scr. 5/16-18 x .75"         Lg.*       Lg.*         17       08714       Tube Clamp         Hex Hd. Cap Scr. ¼-20 x .62" Lg.*       Steering Wheel         19       731-0219       Steering Wheel         20       714-0129       #4 Hi-Pro-Key 3/32 x 5/8"         Dia.—Hardened       Flange Bearing ½" Bore         Bronze       Pinion Gear         22       748-0866       Pinion Gear         23       726-0221       Push Cap—.500 Dia. Shaft         Wave Washer—.660 I.D. x .88       O.D. x .010					
12	1			Steering Post Ass'y.	
Cup Point Flange Bearing Set Scr. ¼-28 x .25" Lg. (Cup Point)  15 714-0388 #61 Hi-Pro-Key 3/16 x 5/8" Dia.  16 710-0198 Hex Sems Scr. 5/16-18 x .75" Lg.*  Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  Steering Wheel 20 714-0129 #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010		710-09	938	Set Scr. 1/4-28 x .25" Lg.—	
14 710-0938 Set Scr. ¼-28 x .25" Lg. (Cup Point) 15 714-0388 #61 Hi-Pro-Key 3/16 x 5/8" Dia. 16 710-0198 Hex Sems Scr. 5/16-18 x .75" Lg.* Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.* Steering Wheel 20 714-0129 #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze 21 748-0866 726-0221 Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010	'-				İ
14       710-0938       Set Scr. ¼-28 x .25" Lg. (Cup Point)         15       714-0388       #61 Hi-Pro-Key 3/16 x 5/8" Dia.         16       710-0198       Hex Sems Scr. 5/16-18 x .75" Lg.* Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*         17       731-0219       Steering Wheel #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze         21       748-0108       Flange Bearing ½" Bore Bronze         22       748-0866 726-0221 Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010	13	748-0	138	Flange Bearing	
15 714-0388 #61 Hi-Pro-Key 3/16 x 5/8" Dia. Hex Sems Scr. 5/16-18 x .75" Lg.* Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.* Steering Wheel 20 714-0129 #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze 21 748-0866 726-0221 Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010		710-09	938		
Dia. Hex Sems Scr. 5/16-18 x .75" Lg.*  Tube Clamp Hex Hd. Cap Scr. ½-20 x .62" Lg.*  19 731-0219 Steering Wheel 20 714-0129 #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze 21 748-0866 Pinion Gear 22 748-0866 Pinion Gear 23 726-0221 Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010				(Cup Point)	
16 710-0198	15	714-0	388		
Lg.* Tube Clamp Hex Hd. Cap Scr. ¼-20 x .62" Lg.*  19 731-0219 Steering Wheel 20 714-0129 #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze  21 748-0866 Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010				Dia.	
17       08714       Tube Clamp         18       710-0258       Hex Hd. Cap Scr. ¼-20 x         19       731-0219       Steering Wheel         20       714-0129       #4 Hi-Pro-Key 3/32 x 5/8"         21       748-0108       Flange Bearing ½" Bore         22       748-0866       Pinion Gear         23       726-0221       Push Cap—.500 Dia. Shaft         24       736-0174       Wave Washer—.660 I.D. x .88         O.D. x .010	16	710-0	198	Hex Sems Scr. 5/16-18 x ./5"	
18 710-0258				Lg.*_	-
.62" Lg.*  19 731-0219	17			Tube Clamp	
19	18	710-0	258	Hex Hd. Cap Scr. 1/4-20 X	
20 714-0129 #4 Hi-Pro-Key 3/32 x 5/8" Dia.—Hardened Flange Bearing ½" Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010				.62" Lg.*	
Dia.—Hardened Flange Bearing ½" Bore Bronze Pinion Gear Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010				Steering Wheel	}
21 748-0108 Flange Bearing ½" Bore Bronze 22 748-0866 Pinion Gear 23 726-0221 Push Cap—.500 Dia. Shaft Wave Washer—.660 I.D. x .88 O.D. x .010	20	714-0	129	#4 Hi-Pro-Key 3/32 x 5/8"	
Bronze 22 748-0866 Pinion Gear 23 726-0221 Push Cap—.500 Dia. Shaft 24 736-0174 Wave Washer—.660 I.D. x .88 O.D. x .010	İ			Dia.—Hardened	
22	21	748-0	108		
23	1				
24 736-0174 Wave Washer—.660 l.D. x .88 O.D. x .010		1		Pinion Gear	
O.D. x .010				Push Cap—.500 Dia. Shatt	a
1	24	736-0	)174	Wave Wasner—.bbu I.D. x .80	
25   736-0156   FI-Wash.	1				
	25	736-0	)156	Fi-vvasn.	

<sup>\*</sup>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.

(462-Red Flake)

When ordering parts, if color or finish is important, use the appropriate color code shown at left. (e.g. Red Flake Finish (462).)

NOTE: 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."

#### WHEEL CHART

PART	FRONT WHEEL  DESCRIPTION	PART NO.	REAR WHEEL DESCRIPTION
734-0510 748-0146	Wheel Ass'y. Comp. 10.25 x 3.25 Flange Bearing w/Flats .630" I.D.	734-0522 734-0517 734-0301 734-0255 734-0336	Wheel Ass'y. Comp. 12.2 x 3.7 Rim Ass'y.w/Hub Tire Only Tubeless 12.2 x 3.7 Air Valve Inner Tube (Service Only)

# **PARTS INFORMATION**

#### POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts number, description of parts and the quantity of each part required.

ALABAMA Auto Electric & Carburátor Co	<b>BIRMINGHAM</b> 2625 4th Ave. S 35233
ARKANSAS	2625 4th Ave. S 35233
Mity Mite Motors Inc	FORT SMITH 4515 South 16th Street 72901
	NORTH LITTLE BOCK
Sutton's Lawn Mower Shop	Rt. 4 Box 368 72117
CALIFORNIA	PORTERVILLE
Billious	PORTERVILLE 75 North D Street 93257
Lawn Mower Supply Co	SAN BERNARDINO 25608 E. Baseline 92410
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SAN FRANCISCO
J.W. Jewett Co	SAN FRANCISCO981 Folsom St94107
COLORADO	DENVER
South Denver Lawn Equip	<b>DENVER</b> 527 West Evans 80223
FLORIDA	JACKSONVILLE
Radco Distributors	JACKSONVILLE 2403 Market St 32206
<b>.</b>	OPA LOCKA 2351 N.W. 147th St 33054
Small Eng. Dist	2351 N.W. 147th St 33054
GEORGIA	EAST POINT 2834 Church St 30344
ILLINOIS	2834 Church St 30344
Keen Edge Co	LYONS 8615 Ogden Ave 60534
INDIANA	8615 Ogden Ave60534
Parts & Sales Inc	ELKHART 2101 Industrial Pkwy 46514
IOWA	DURIOUE
Power Lawn & Garden Equip	<b>DUBUQUE</b> 2551 J.F. Kennedy 52001
LOUISIANA	NEW ORLEANS
Suhren Engine Co	NEW ORLEANS 8330 Earhart Blvd 70118
WARTIANII	TAVOMADADA
Center Supply Co	6867 New Hampshire Ave 20012
MASSACHUSETTS Morton B. Collins Co.	SPRINGFIELD
MICHIGAN	LANSING
Lorenz Service Co	LANSING 2500 S. Pennsylvania . 48910
20.0.12 00.1100 00	MOUNT OF EMENS
Power Equipment Dist	MOUNT CLEMENS 36463 South Gratiot 48043
MINNESOTA	HOPKINS
Hance Distributing Inc	HOPKINS 420 Excelsior Ave. W 55343
_	ST. PAUL 771 Sibley Memorial Hwy 55122
Power Tools Inc 37	771 Sibley Memorial Hwy 55122
MISSISSIPPI Biloxi Sales & Service, Inc	BILOXI
MISSOURI	506 Caillavet St 39533
MISSOURI Automotive Equip. Service	KANSAS CITY
Additionate Equip. Service	ST. JOSEPH
Ross-Frazier Supply Co	9th and Mantager
* ************************************	ST. LOUIS
Henzler, Inc	2015 Lemay Ferry Rd 63125
NEW JERSEY	BELLMAWR
Lawnmower Parts Inc.	717 Creek Rd 08030
Feld Distributor	28 Glen Rd 07070
NEW YORK Gamble Dist., Inc	CARTHAGE
Gamble Dist., Inc.	West End Ave 13619

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing Engines—Gasoline, Briggs & Stratton or Tecumseh Lauson.

EnginesGasoline, Briggs & Strat	ton or Tecumseh Lauson.
	SYRACUSE
GTP Leisure Products Inc	SYRACUSE 420 Marcellus St 13204
NORTH CAROLINA	GOLDSBORO515 N. George St27530
Smith Hardware Co	515 N. George St. 27530
<b>5</b>	GREENSBORO
Dixie Sales Company	GREENSBORO 327 Battleground Ave. 27402
OHIO	CADDALL
Stebe's Mid-State Mower Supp	ly Box 366-71 High St 43112
and a mile attack mone, aupp	CLEVELAND
Bleckrie, Inc.	CLEVELAND 7900 Lorain Ave 44102
	7900 Lorain Ave 44102
National Central	<b>WADSWORTH</b> 687 Seville Rd 44281
rational contrat	667 Seville Rd 44281
Burton Supply Co	YOUNGSTOWN 1301 Logan Ave. Box 929 44501
OKLAHOMA	1301 Logan Ave. Box 929 44501
Ada Auto Supply	ADA 301 E. 12th St 74820
Add Adio Supply	301 E. 12th St 74820
Victory Motors Inc	MUSKOGEE 605 S. Cherokee 74401
Victory Wotors, Inc	605 S. Cherokee 74401
Forest Sales Inc	OKLAHOMA CITY
OREGON	1039 NW 63rd St 73116
	PORTLAND 8216 N. Denver Ave 97217
PENNSYLVANIA	8216 N. Denver Ave 97217
Stull Equipment Com	CHESTER 742 W. Front St 19013
EECO Inc	HARRISBURG 4021 N. 6th St 17110
EEGO Inc	4021 N. 6th St 17110
	DMILANELDUIA
Thompson Rubber Co	5222-24 N. Fifth St 19120
	PITTSBURGH 11125 Frankstown Rd. 15235
Bluemont Co	11125 Frankstown Rd, 15235
TENNESSEE	KNOVVIIIE
Master Repair Service	2000 Western Ave 37921
	MEMBUIC
Memphis Cycle & Supply Co	421 Monroe Ave 38103
American Sales & Service Inc	1922 Lynnbrook 20440
TEXAS	DALLAS 423 E. Jefferson 75203
Marr Brothers, Inc	423 E. Jefferson 75203
	FORT WORTH 1702 N. Sylvania 76111
Woodson Sales Corp	1702 N. Svlvanja 76111
Bullard Supply Co	2409 Commerce St 77003
	SAN ANTONIO 414 Live Oak 78298
Catto & Putty, Inc	414 Live Oak 78209
UTAH	SALT LAKE CITY
A-1 Engine & Mower Co	437 E. 9th St 84111
VERMONT	BURLINGTON
Vermont Hdwe. Co. Inc.	180 Flynn Ave 05401
VIRGINIA	RICHMOND
RBI Corp	963 Myers St 22260
Bailey's Inc	1414 144h A
WEST VIRGINIA	CHARLESTON
WEST VIRGINIA Young's, Inc	233 Virginia St. F. 25204
WISCONSIN	APPLETON
WISCONSIN Automotive Supply Co	123 S. Linwood Ave. 54044

#### WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions which it has no control. Simply put, if it's the manufacturer's fault, it's the customer's responsibility.

# CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

- 1. Replacement of Missing Parts on new equipment.
- 2. Replacement of Defective Parts within the warranty period.
- 3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

- 1. Model Number of unit involved.
- 2. Date unit was purchased or first put into service.
- 3. Date of failure.
- 4. Nature of failure.

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