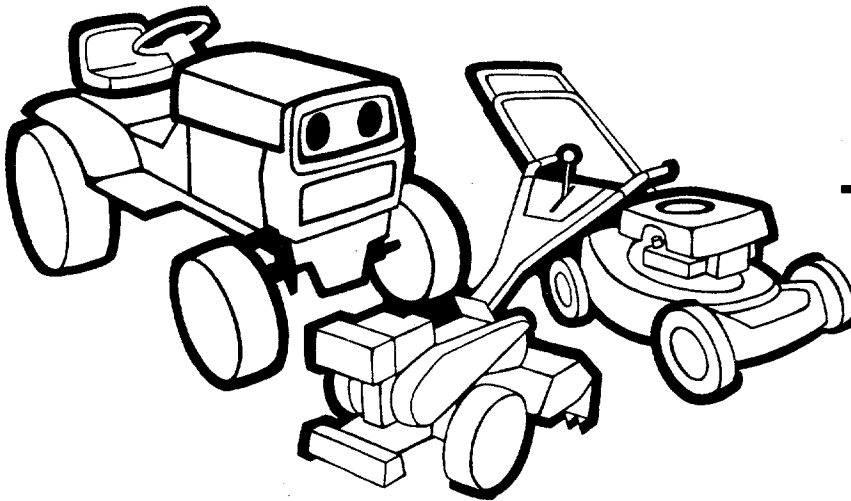


OWNERS MANUAL



**18 H.P.
TWIN CYLINDER
TRACTOR**

**ASSEMBLY
OPERATION
MAINTENANCE
PARTS LIST**

**Model Number
144-918-000**

**Important:
Read Safety Rules and
Instructions Carefully**

Thank you for purchasing an
American built product.

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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 the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by 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.



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

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester muffler is available at your nearest engine authorized service center.



WARNING

To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Read this owner's manual carefully in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop quickly—**READ THIS OWNER'S MANUAL.**
4. 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.
5. No one should operate this unit while intoxicated or while taking medication that impairs the senses or reactions.
6. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
7. To prevent injury, do not carry passengers or give rides. Keep children, pets and bystanders out of the area while mowing. Only the operator should ride on the unit and only ride in the seat.
8. Check overhead clearance carefully before driving under power lines, guy wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
9. To maintain control of the unit and reduce the possibility of upset or collision, operate the tractor smoothly. Avoid erratic operation and excessive speed.
10. 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 accidentally thrown by the mower in any direction and cause injury.
11. Clear work area of objects which might be picked up and thrown by the mower in any direction and cause injury.
12. Stop the blade(s) when crossing gravel drives, walks or roads.
13. Disengage all attachment clutches and shift into neutral before attempting to start engine.
14. Disengage power to attachment(s) and stop engine before leaving operating position.
15. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
16. 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.
17. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, 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.
18. Disengage power to attachment(s) when transporting or not in use.
19. 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.
20. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.
21. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Always keep the tractor in gear when going down steep hills to take advantage of engine braking action.
22. Stay alert for holes in terrain and other hidden hazards.
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. Use counterweight(s) or wheel weights when suggested in owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
26. 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.

27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in operator's manual.
28. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
29. 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.
30. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
31. 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.
32. Do not change the engine governor settings or overspeed the engine.
33. 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.
34. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
35. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up. Disengage blades before shifting into reverse and backing up.
36. This unit should not be driven up a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually to load properly.

ASSEMBLY



NOTE

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

The garden tractor is packed and shipped in one container. It is fully assembled except for the three point hitch, battery, seat and steering wheel.



NOTE

Reference to right hand or left hand side of machine is from the operating position, facing forward.

BATTERY INFORMATION



WARNING

- A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*
- B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.
- C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.
- D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.
- E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.
- F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.
- G. As a further precaution, only charge the battery in a well-ventilated area.

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



DANGER

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

KEEP BATTERIES OUT OF THE REACH OF CHILDREN.

ACTIVATING THE BATTERY

1. Place the battery to be filled on a workbench. Never activate a battery in the unit.
2. Remove the fill caps from all cells.
3. Fill each cell carefully using 1.265 specific gravity electrolyte. Fill each cell to the top of the separators. Do not overfill.
4. Let the battery sit for 20 minutes to allow the chemical reaction to take place.
5. Check the level of electrolyte. Adjust level to bottom of split ring if necessary with electrolyte.
6. Replace fill caps.
7. Charge the battery at a MAXIMUM RATE OF 5 AMPS. until the specific gravity reads 1.265. Use a hydrometer to check the specific gravity.



CAUTION

An excessive rate of charge will damage the battery.



CAUTION

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

INSTALLING THE BATTERY



NOTE

The positive battery terminal is marked Pos. (+). The negative battery terminal is marked Neg. (-).

1. Place the battery in the battery case with the terminals to the rear of the unit. See figure 1.
2. Attach the positive battery cable (which has two red wires) to the positive battery terminal. See figure 1.

3. Attach the negative battery cable (grounded, black wire) to the negative battery terminal. See figure 1.

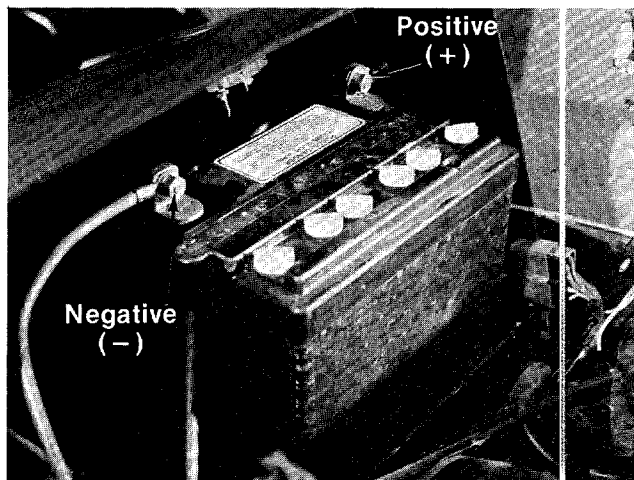


FIGURE 1.

4. Hook the hold-down rods through the holes in the battery case and place the battery cover over the battery and the two hold-down rods. See figure 2. Secure the hold-down with the two wing nuts. Hand tighten only.

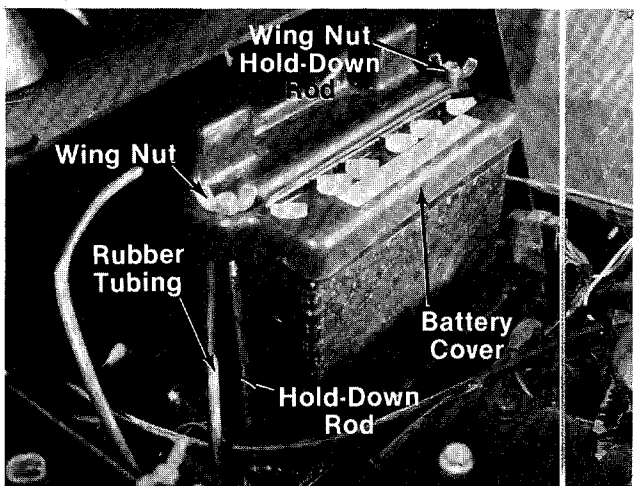


FIGURE 2.

5. Insert the end of the rubber tubing (see figure 2) into the plastic drain tube located to the right of the battery.



The vented battery allows any gases or liquid from the battery to be carried to the rear of the unit through the drain tube.

STEERING WHEEL ASSEMBLY

1. Place the wave washer over the steering shaft. See figure 3.

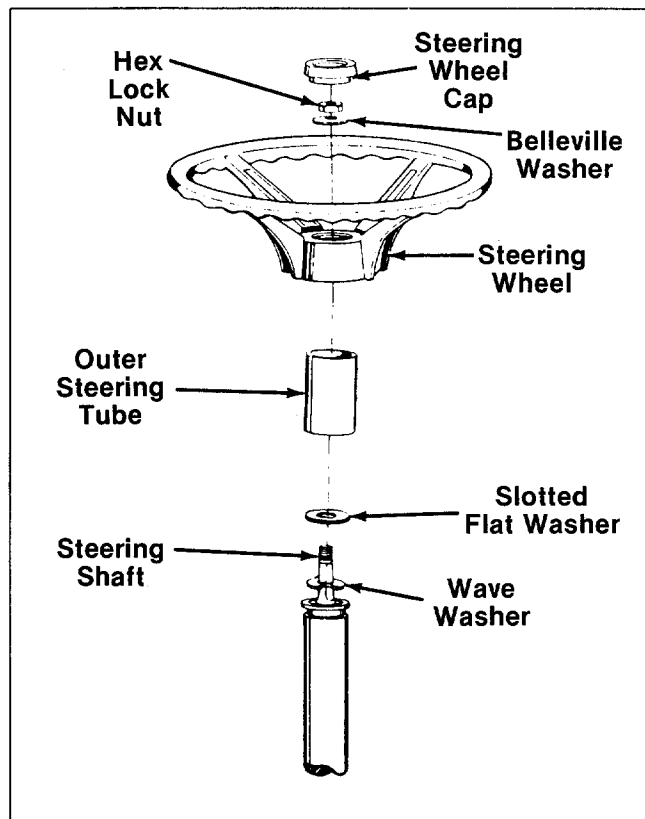


FIGURE 3.

2. Place the slotted flat washer over the steering shaft.
3. Place the outer steering tube over the steering shaft.
4. Place the steering wheel over the steering shaft, lining up the flats on the steering shaft.
5. Place the belleville washer (crown side up) over the steering shaft.
6. Tighten the hex lock nut.
7. Press or tap the steering wheel cap in place.

SEAT ASSEMBLY

Install the tractor seat in one of the four positions. Tip the seat all the way forward, and place the seat springs into the desired slots on each side. See figure 4.

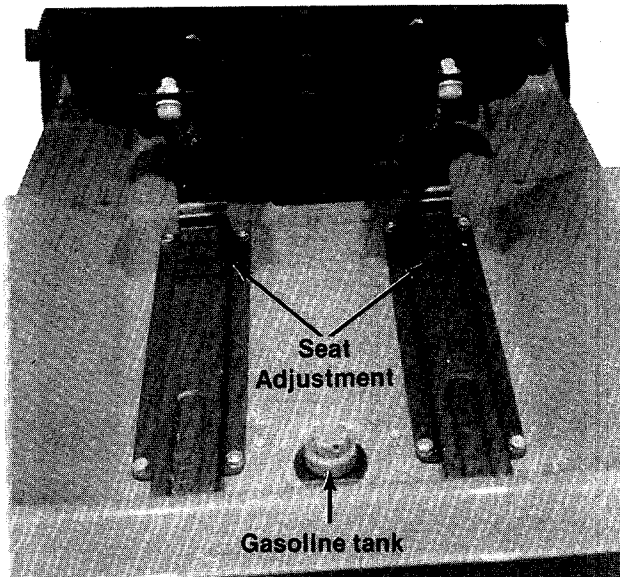


FIGURE 4.

ASSEMBLING THE THREE POINT HITCH

The three point hitch is needed for the rotary tiller, disc, cultivator and moldboard plow. It is not necessary to install the three point hitch to use the mowing deck, snow thrower or snow blade.

1. Raise the lift shaft assembly until the hole in it lines up with the slot in the push bar assembly. See figure 5.

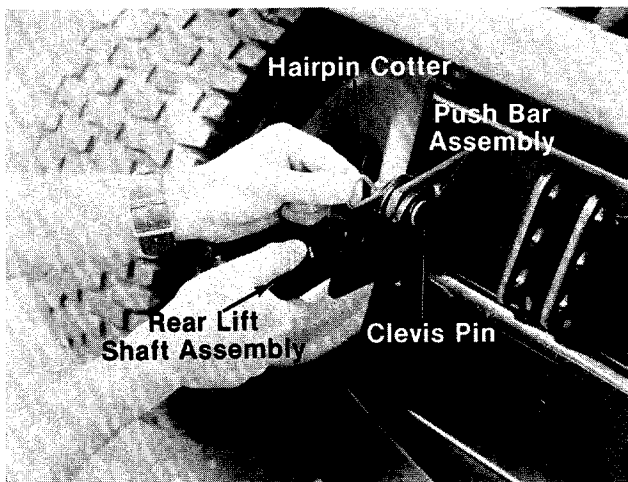


FIGURE 5.

2. Secure with clevis pin and hairpin cotter provided in the hardware pack.
3. Assemble the two draft bars to the link clevis pins in the frame of the tractor with two hairpin cotters.



NOTE

Refer to figure 6 to determine right and left hand draft bars.

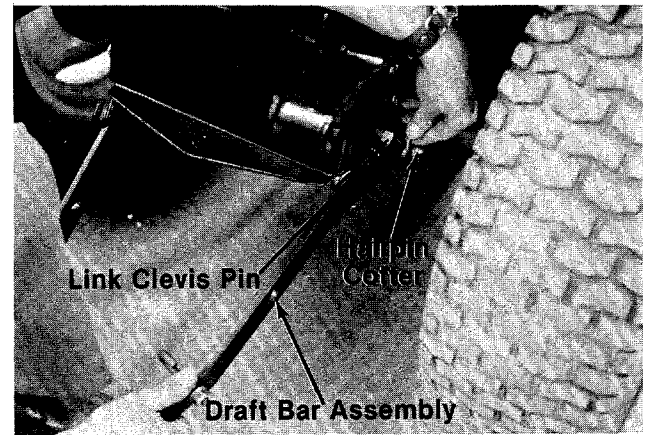


FIGURE 6.

4. Thread the ferrule onto the clevis screw until approximately a half inch of thread is showing above the ferrule. See figure 7.

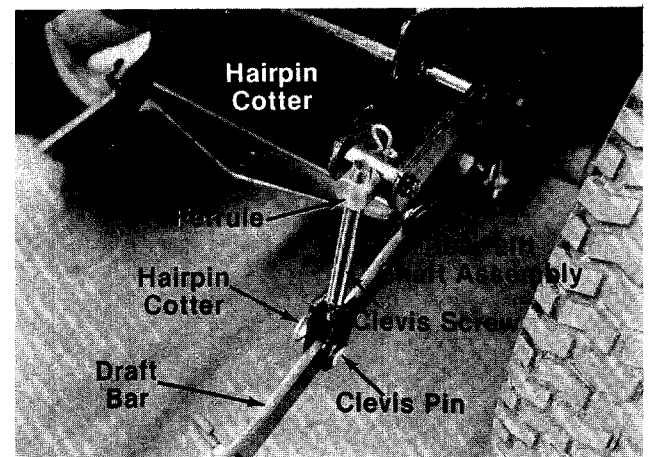


FIGURE 7.

5. Attach the ferrules to the rear lift shaft assembly and secure with two hairpin cotters.
6. Attach the lower end of the clevis screw to the draft bars with the two clevis pins and hairpin cotters.
7. Screw the two halves of the center turnbuckle together. Attach either end to any hole in the hitch bracket mounted in the center of the rear frame of the tractor with a clevis pin and hairpin cotter. See figure 8.

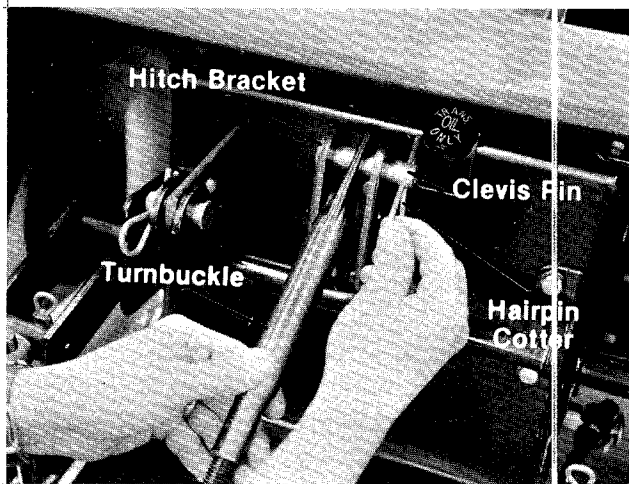


FIGURE 8.

8. Screw one hex nut all the way on each of the hook bolts. See figure 9.
9. Insert the hook bolt through the inside of the draft bars. Secure with a second nut. Do not tighten.

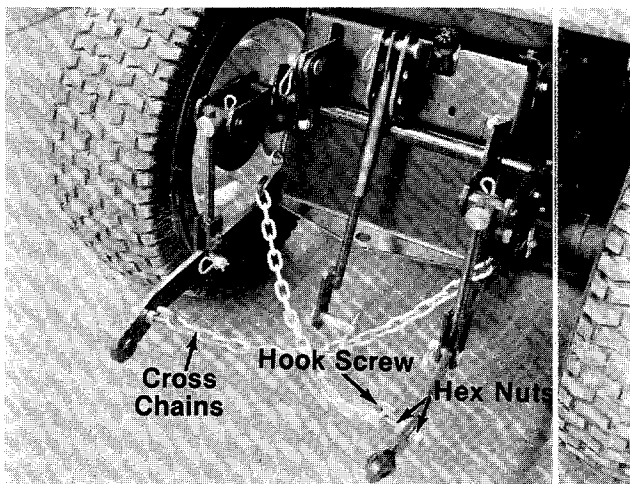


FIGURE 9.

10. Fasten the chains to the hooks welded on the draft bars. Cross the chains over and attach to the opposite hook bolts.



NOTE

Pull the chains to make them as tight as possible.

11. Tighten the outside nuts on the hook bolts until there is approximately one inch of play in the center of the chains.

INSTALLING THE POWER TAKE OFF

1. Place the PTO assembly in back of the front axle and hook the top slotted hole on the PTO support bracket over the weld pins on the tractor. Tighten nuts finger tight. See figure 10.

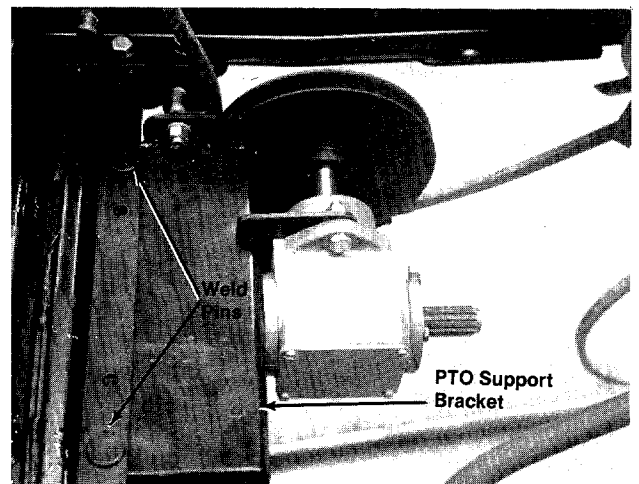


FIGURE 10.



NOTE

Photograph was taken with tractor engine removed for clarity.

2. Line up the holes on the bottom of the PTO support bracket with the holes in the tractor frame and attach with two 3/8 x 1" screws and belleville washers. See figure 11.
3. Tighten the upper nuts and lower screws on the PTO support bracket.

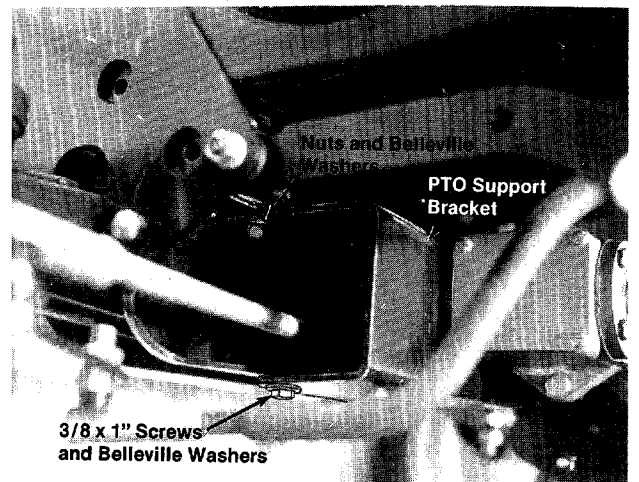


FIGURE 11.

ATTACHING THE PTO BELT

1. Unscrew the "L" handle on the PTO belt guard and pivot the PTO belt guard away from the PTO pulley. See figure 12.
2. Place the V-belt over the PTO pulley, move the belt guard back in place and tighten the "L" handle.

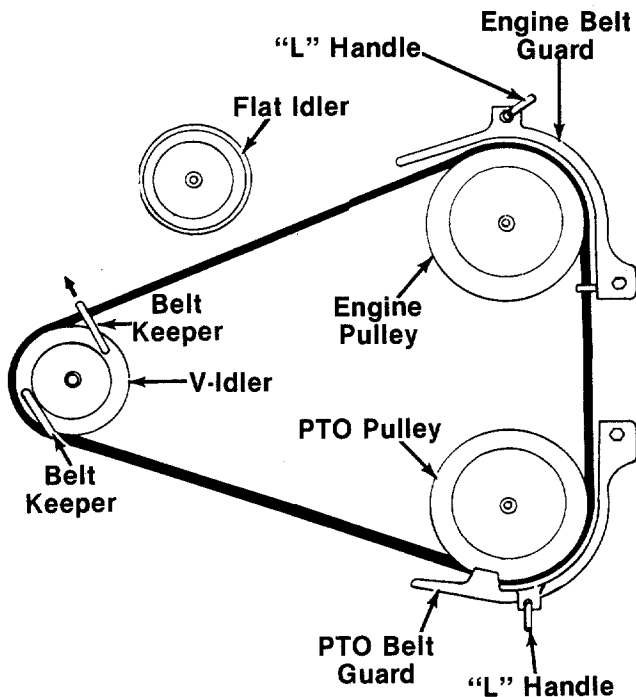


FIGURE 12.

3. Push the belt keepers on the V-idler the direction of the arrows shown in figure 12 and rotate either direction.
4. Unscrew the "L" handle on the engine belt guard and pivot the engine belt guard away from the engine pulley.
5. Attach the V-belt over the V-idler (and under the flat idler) and over the engine pulley.
6. Turn the belt keepers into the locked position.
7. Move the engine belt guard back in place and tighten the "L" handle.

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. Recommended operating tire pressure should be 10 p.s.i.

Check sidewall of tire for manufacturer's maximum tire pressure. If this information does not appear on your tire, maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

CONTROLS

THROTTLE CONTROL

The throttle control is located on the right side of the dashboard and is used to regulate the engine speed. See figure 13. The engine should be operated from $\frac{3}{4}$ to full throttle "FAST" when operating any equipment that uses the tractor engine as a source of power such as the cutting deck, snow thrower or rotary tiller.

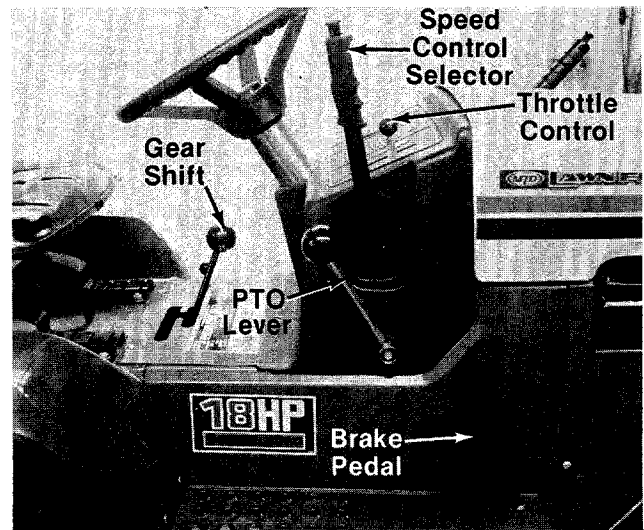


FIGURE 13.

POWER TAKE OFF (PTO)

The PTO lever is located on the right side of the tractor. Moving the lever forward engages the PTO and moving it backward disengages it. See figure 13.



CAUTION

Engage PTO lever slowly.

The PTO lever engages the blades on the cutting deck and the PTO kit. The PTO kit is needed to operate the snow thrower attachment and rotary tiller.



NOTE

The PTO lever must be in the "OFF" position to start the engine and to shift into reverse.

BRAKE PEDAL

The brake pedal is located on the right side of the frame. Depressing the brake pedal will engage the disc brake located on the transaxle. The clutch pedal **MUST** be depressed as well as the brake pedal to stop the tractor. See figure 13.

GEAR SHIFT LEVER

The transaxle has four forward gears, neutral and reverse. Do not shift through the gears on the transaxle as you would in an automobile. Pre-select the gear appropriate for the job you are doing. See figure 13 and 14.

You must depress the clutch pedal and come to a complete stop before shifting gears. See figure 14.

SPEED CONTROL SELECTOR

The speed control selector is used with the gear shift lever to obtain your 16 forward speeds.

Within each gear on the transaxle there are four positions for the speed control selector. The farther forward you move the selector, the faster you travel across the ground. To move the speed control selector, depress the thumb button on the end of the lever and move the selector in either direction. You do not have to declutch or stop the tractor; however, the tractor engine should be running. See figures 14 and 15.

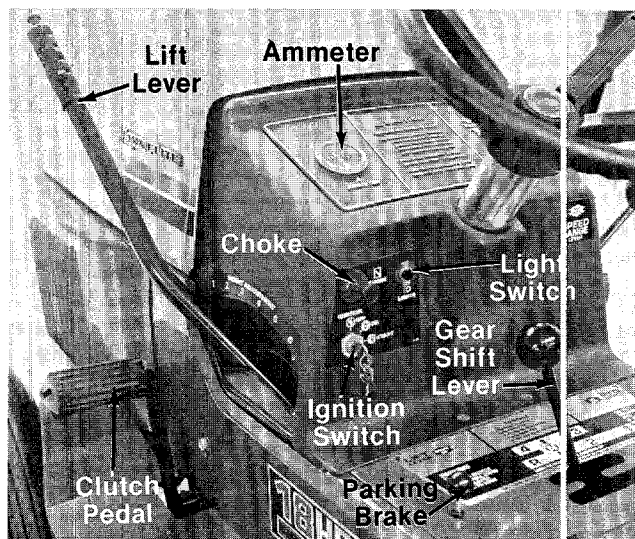


FIGURE 14.

CLUTCH

The clutch pedal is located on the left side of the tractor. See figure 14. Depressing the clutch pedal disengages the clutch and engages the brake. Depress the clutch pedal and come to a complete stop before shifting gears.

PARKING BRAKE

To set the parking brake, depress the clutch pedal and pull up the parking brake knob. It will stay in the raised position. To release the parking brake, depress and release the clutch pedal. See figure 14.

IGNITION SWITCH

The ignition switch is located on the left side of the dashboard. Turn the key to the "START" position to start the engine. When the engine is running, leave the key in the "ON" position. To stop the engine, turn the key to the "OFF" position. See figure 14.



Remove the key from the tractor when the tractor is not in use to prevent accidental starting.

CHOKE CONTROL

The choke control is located on the left side of the dashboard and is operated manually. See figure 14.

LIGHT SWITCH

The head lamps are operated by pushing the light switch located on the dashboard. The head lamps will only operate when the engine is running. The voltage rises from 8V at 2400 RPM to 12V at 3600 RPM, so the brightness of the lamps changes with the engine speed. See figure 14.

Gear	SPEED RANGE IN M.P.H.									
	1	2	3	4	5	6	7	8	9	10
1st	■									
2nd		■								
3rd			■							
4th				■						
	All ground engaging tools Snow remov- ing equip.			Light Snow Removal Heavy Grass Cutting		Light Grass Cutting Traveling			Level terrain traveling only.	

FIGURE 15.

AMMETER

The ammeter registers the rate of battery charge. The head lamps operate directly from the engine alternator and the use of the head lamps does not register on the ammeter. The maximum charging rate for the battery is 3 amperes with the engine operating at its maximum speed. See figure 14.

LIFT LEVER

The seven position lift lever is used to change the operating position of all the front, center and rear mounted attachments. To operate, depress the thumb button on the end of the lever, move the lift lever to the desired position and release the button. See figure 14.

GASOLINE TANK

The gasoline tank is located under the tractor seat. Tip the seat forward to fill the tank. See figure 4.

FUEL SHUT-OFF VALVE

The valve and filter is located on the bottom of the gasoline tank. Turn the valve knob in to shut off the fuel flow. Turn the valve knob out to operate the tractor.

OPERATION



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.
5. Look to the rear before backing up.

DANGER

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

PREPARATION

1. Put oil in engine crankcase. Refer to separate engine manual packed with the unit for engine oil recommendations.

Place the engine level. Fill the oil sump to the FULL mark on the dipstick. Do not overfill. Pour slowly. See figure 12.

Crankcase Capacity—Approximately 3 Pints.

2. Fill the fuel tank with clean, fresh, lead-free low-lead, or regular grade leaded gasoline. **DO NOT MIX OIL WITH GASOLINE.**
3. Open the fuel tank shut-off valve that is located on the bottom of the fuel tank.

OPERATING THE TRACTOR (See Figure 13)



NOTE

This unit is equipped with a safety interlock system for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the transmission is shifted into neutral and the PTO lever is in the disengaged position. In addition, the PTO lever must be in the disengaged position when the unit is put into reverse or the engine will shut off.



WARNING

Do not operate the tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

1. Place the PTO Lever in the "OFF" position.
2. Depress the clutch pedal and hold it down.



NOTE

The clutch pedal must be depressed to start the engine. Setting the parking brake will NOT activate the safety switch.

3. Pull out the choke.



NOTE

A warm engine requires less choking.

4. Set the throttle control in the "FAST" position.
5. Turn the ignition key to the right to the "START" position until the engine is running.
6. As the engine warms up, push in the choke slowly.
7. With the clutch pedal still depressed (disengaged), put the gear shift lever in one of the four forward or reverse positions, and set the speed control selector as desired. Refer to chart in figure 15.
8. To put the tractor in motion, release the clutch pedal slowly.



IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the tractor for any damage, and repair the damage before restarting and operating the tractor.

9. When stopping, depress the clutch and brake pedals.
10. To shut off the engine, move the speed control selector to the low position and turn the ignition key to the left to the OFF position. Remove the key to prevent accidental starting while equipment is unattended.



CAUTION

Always move the speed control selector back to the low position (all the way back) when you shut off the engine.

The clutch pedal will not activate the safety switch when the speed control selector is left in the 4th or far forward position and the engine is shut off. If the engine is accidentally shut off with the speed control selector in the 4th position, you must follow this procedure to restart your engine.

1. Place the gear shift lever in 4th gear.
2. Depress the clutch pedal and hold it down with steady pressure.
3. Rock the tractor back and forth until the clutch pedal moves down far enough to engage the clutch safety switch.
4. You can now restart the tractor engine.

ADJUSTMENTS



WARNING

Disconnect the spark plug wire and ground against the engine before performing any adjustments, repairs or maintenance.

SEAT ADJUSTMENT

The tractor seat is adjustable to four positions. To change positions, tip the seat all the way forward and lift it out of the slots on each side. Refer to figure 4.

REAR WHEEL TRACK ADJUSTMENT

The rear wheels may be adjusted wider for more stability by reversing the wheels and rims on the hubs.

With the rear wheels in the narrow position, their outside is even with the outside of the front wheels. With the rear wheels in the wide position, their inside is even with the outside of the front wheels.

Use this chart to determine the rear wheel setting.

ATTACHMENT	MODEL	WHEEL SET
42" Mowing Deck	957	N
50" Mowing Deck	958	W/N
12" Mold Board Plow	920	W
Tandem Disc Harrow	921	W
Spring Tooth Cult.	922	W
54" Snow Blade	985	N
45" Snow Thrower	955	N
Rotary Tiller	956	N

N—Narrow W—Wide

BRAKE ADJUSTMENT

During normal operation of this machine, the brakes are subject to wear and will require periodic examination and adjustment.

The brake pedal must be in the released position when you adjust the brake.



WARNING

Be sure to block the wheels of the tractor before making the brake adjustment.

1. Remove the cotter pin in the castle nut on the disc brake.



NOTE

The disc brake is located on the left side of the tractor on the transaxle.

2. Tighten (turn clockwise) the castle nut until it stops. See figure 16.
3. Loosen the castle nut (turn counterclockwise) one complete turn.
4. Install a new cotter pin.
5. Remove the blocks from the wheels.

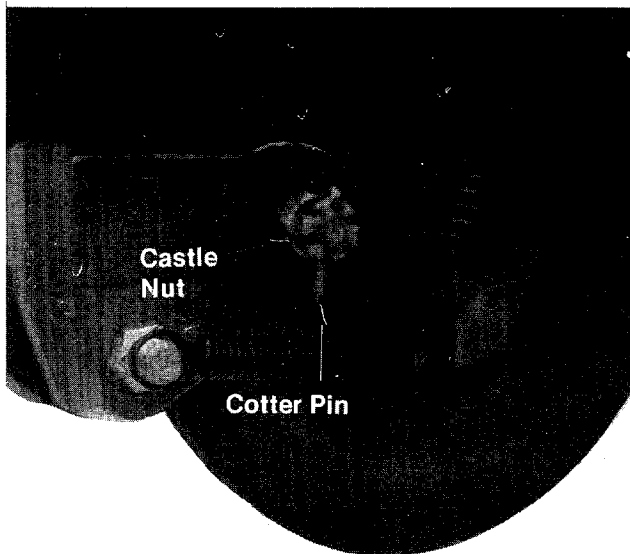


FIGURE 16.

ADJUSTING THE BRAKE CLUTCH ROD

If one of the V-belts on the variable speed drive slips while the speed control selector is in its lowest position or you do not reach the maximum speed with the speed control selector in the highest position, the brake clutch rod may need adjustment. Once it is correctly set, it will require no further adjustment.

1. With the engine running, move the speed control selector into the lowest position (all the way back).
2. Depress the clutch pedal and release it.
3. Check to see if the V-belt from the engine to the variable speed pull is within 1/16" of being flush to the edge of the variable speed pulley. If the V-belt is too low in the variable speed pulley, work it by hand until it is as shown in figure 17.



NOTE

The photograph in figure 17 was taken from the top for clarity. The variable speed pulley can be reached from under the tractor.

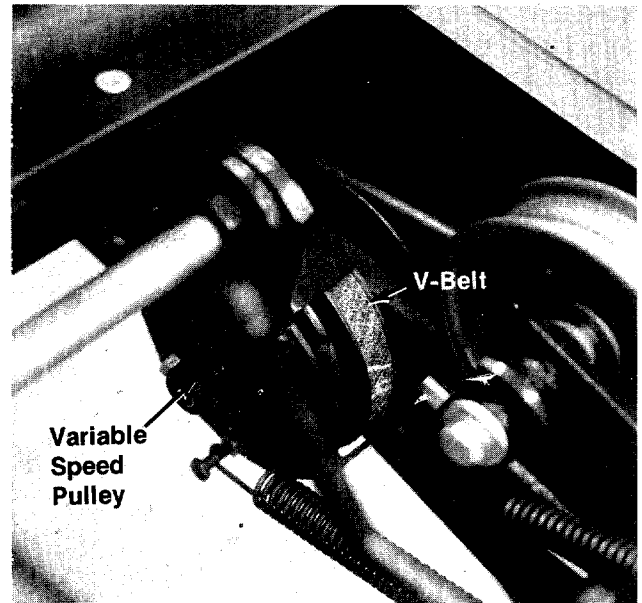


FIGURE 17.

4. Tighten the nut on the brake clutch rod located next to the steering column until it just touches the ferrule. See figure 18.

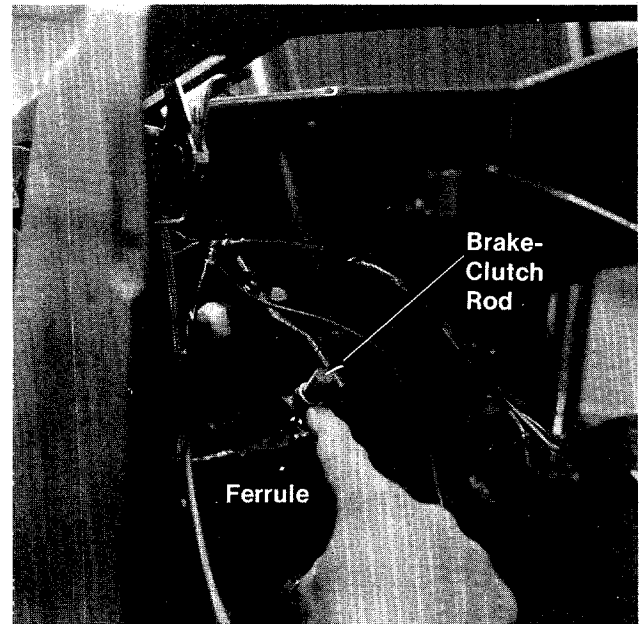


FIGURE 18.

CARBURETOR ADJUSTMENTS



WARNING

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.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load.

Refer to separate engine manual for carburetor adjustment information.

WHEEL ALIGNMENT

The front wheels should toe-in approximately $\frac{1}{8}$ ". Measure the distances A and B on the front wheels. See figure 19.



Dimension B should be approximately $\frac{1}{8}$ inch less than dimension A.

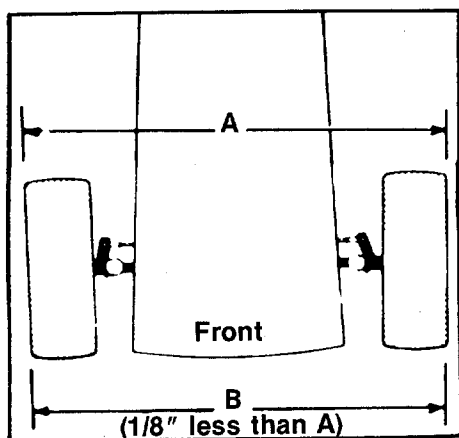


FIGURE 19.

To adjust the toe-in, loosen the hex jam nut, remove the lock washer and hex nut, lift the tie rod end out of the hole in the steering arm and screw the tie rod end in or out as necessary. See figure 20.

Reassemble the tie rod end after the correct alignment is made.

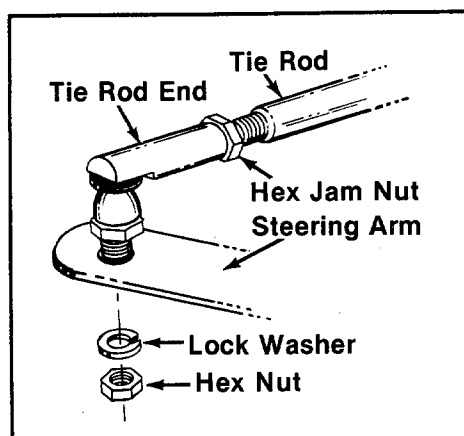


FIGURE 20.

DRAG LINK

If the drag link or ball joints are changed, the new assembly must be adjusted to the exact same length as the original. If adjusted incorrectly, it will allow the tractor to turn sharper one direction than the other.

To take off the drag link, remove the nuts and lock washers holding the ball joint to the steering gear and left front axle bracket.

LUBRICATION

STEERING GEARS

Lubricate teeth of segment and pinion gears with automotive multi-purpose grease after every 25 hours of operation or once a season. See figure 21.

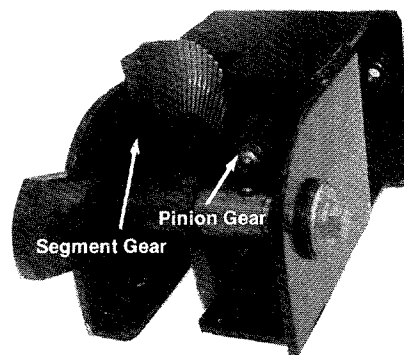


FIGURE 21.

TRANSAXLE

Check oil level four times a year. Lubricant should be at the point of overflowing. Use SAE E.P. 90 oil. Drain and refill every two years. Capacity 4 pints. See figure 22.

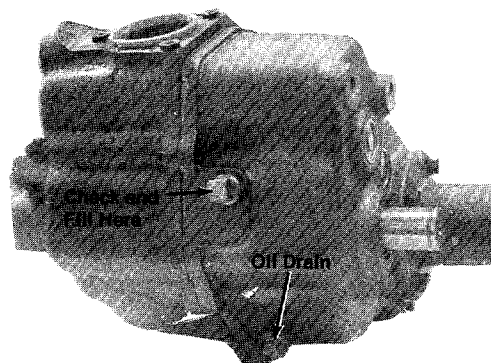


FIGURE 22.

LINKAGE

Lubricate all the pivot points on the clutch, brake and lift linkage with SAE 30 engine oil.

PTO ENGAGEMENT LEVER

Lubricate with a grease gun after every 25 hours of operation. Use an automotive multi-purpose grease. See figure 23.

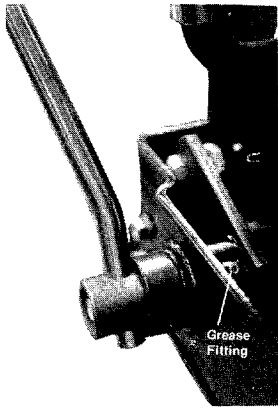


FIGURE 23.



FIGURE 24.

FRONT WHEELS AND KING PINS

(On each side of the tractor)

Lubricate with grease gun after every 25 hours of operation. See figure 24. Use automotive multi-purpose grease.

MAINTENANCE



WARNING

Disconnect the spark plug wire and ground against the engine before performing any adjustments, repairs or maintenance.

FUEL SHUT-OFF VALVE AND FILTER

The entire valve can be pulled out to clean the filter. When reassembling, place the rubber grommet into the gasoline tank first, then push the valve all the way in. See figure 25.



WARNING

Only use factory approved parts if repairs are needed on the gasoline tank, grommet, valve or gasoline line.

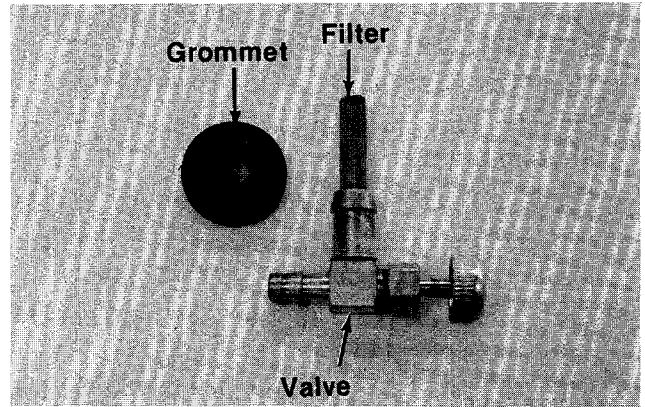


FIGURE 25.

SIDE PANELS

The right and left side panels can be removed for maintenance or attaching accessories. To remove, turn the four screws in the corners a 1/4 turn to the left and remove. See figure 26.

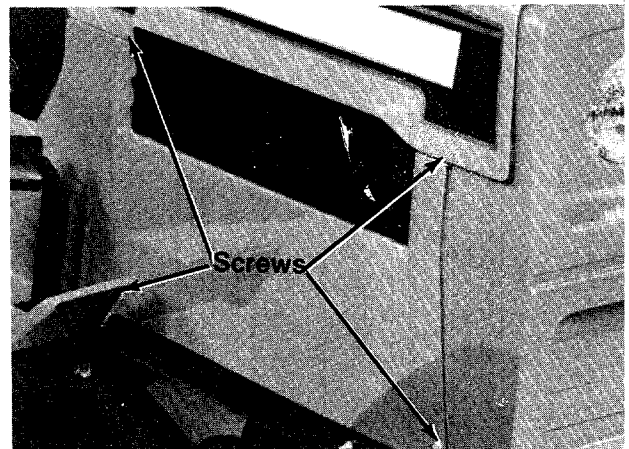


FIGURE 26.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. To service the air cleaner, refer to the separate engine manual packed with your unit.

CLEANING ENGINE

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specification.

CHANGING V-BELTS FROM THE ENGINE TO THE TRANSAXLE

1. Remove and ground the spark plug wires.
2. Depress the clutch brake pedal and set the parking brake.
3. Remove the PTO belt from the engine pulley.
4. Remove the bolt, lock washer and flat washer holding the pulley to the engine crankshaft.
5. Slide off the engine pulley and remove the front belt from the pulley.
6. Put the speed control selector in the far forward position.
7. Unhook the rear belt from the variable speed pulley. See figure 27.

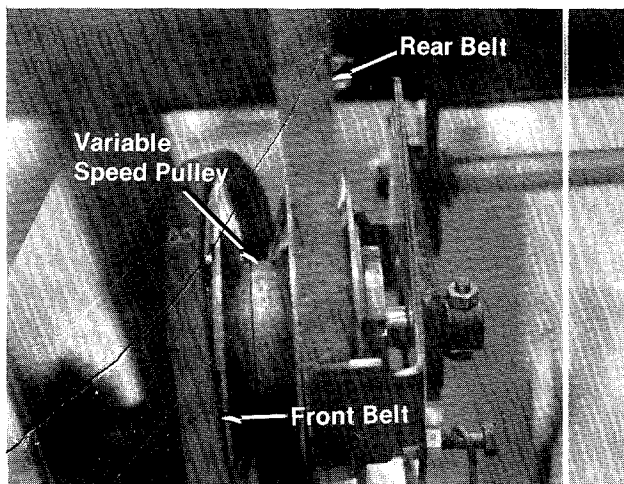


FIGURE 27.

8. Move the speed control selector all the way back into the low position to allow more room to work.
9. Slide the center section of the variable speed pulley towards the right side of the tractor and remove the front belt. See figure 28.

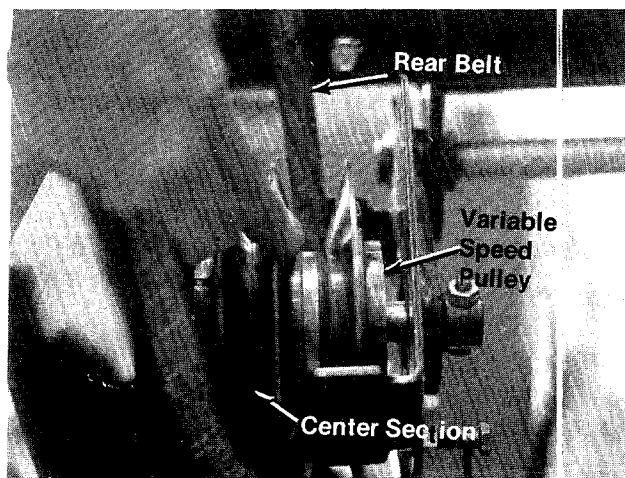


FIGURE 28.

10. Remove rear belt from the idlers and transaxle pulley. See figure 29.

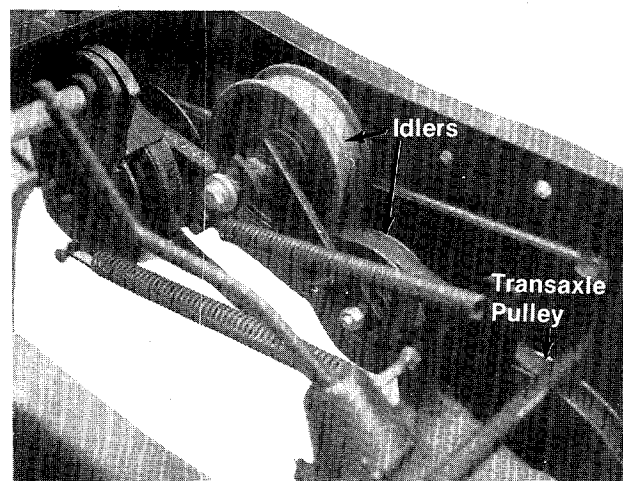


FIGURE 29.

BATTERY REMOVAL OR INSTALLATION



WARNING

When removing the battery, follow this order of disassembly to prevent the screwdriver from shorting against the frame.

1. Remove the Negative cable.
2. Remove the Positive cable.

To install a battery:

1. Attach the Positive cable.
2. Attach the Negative cable.

JUMP STARTING

1. Attach the first jumper cable from the Positive terminal of the good battery to the Positive terminal of the dead battery.
2. Attach the second jumper cable from the Negative terminal of the good battery to the FRAME OF THE UNIT WITH THE DEAD BATTERY.



WARNING

Failure to use this starting procedure could cause sparking, and the gas in either battery could explode.

BATTERY MAINTENANCE

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

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
3. Store in cold, dry place.
4. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose holds downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte



NOTE

THESE FAILURES DO NOT CON—
STITUTE WARRANTY.

INSTALLATION OF TIRE TO RIM



WARNING

The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.
3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. Refer to battery storage instructions in previous column.
5. Store unit in a clean, dry area.



CAUTION

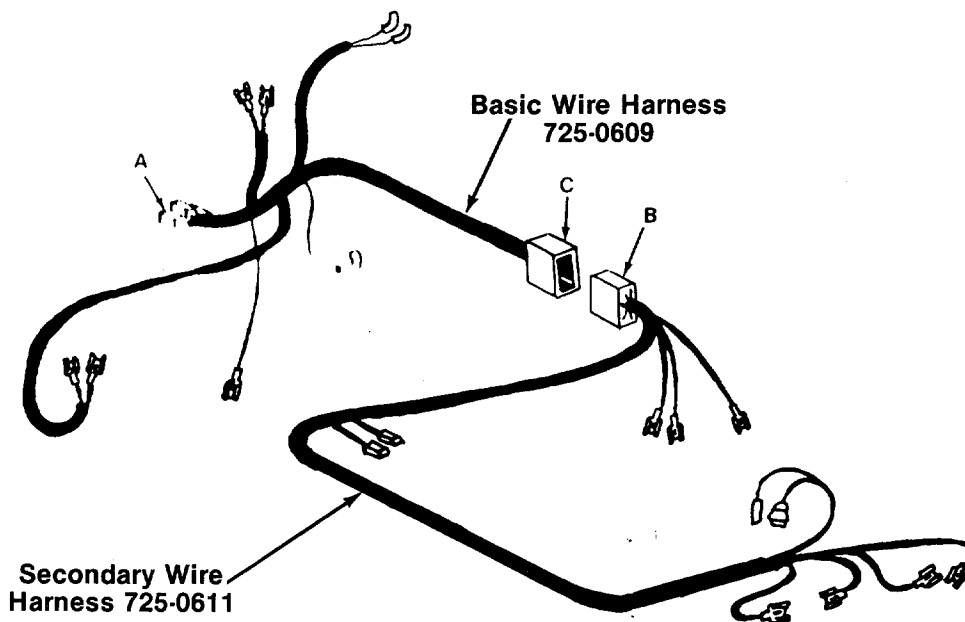
When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially chains, springs, bearings and cables.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

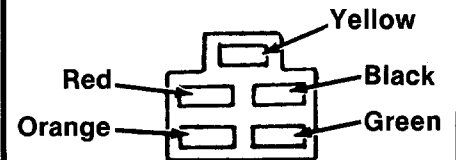
TROUBLE	LOOK FOR	REMEDY
Engine will not crank	Battery installed incorrectly	The battery must be installed with the negative, identified at the terminal post by (Neg, N or -), grounded. The positive (Pos, P or +) attaches to the large cable from the solenoid. The small red wire from the fuse holder or circuit breaker is also attached to the positive terminal.
	Blown fuse or circuit breaker	Replace fuse with 7½ amp. fuse ¼ x 1¼" lg. Circuit breaker will reset itself when it cools off. Fuses or circuit breakers seldom open or fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Battery is dead or weak	<p>Use a hydrometer to check the condition of the battery. The Specific Gravity (s.g.) should be 1.265 at 80°F. (1.215 s.g. minimum needed for cranking engine). The reason for the battery failing must be determined. (1) Defective battery. Battery will not accept or hold a full charge. (2) Short circuit. Check for grounded wire. (3) Charging system not working, either engine alternator or trickle charger.</p> <p>Trickle Charger. Check with multimeter. Charger 725-0578—input 120 V A.C., no load output 13.5 V D.C., rated load current 1 amp. Charger 725-0507—input 120 V A.C., no load output 17.4 V D.C., rated load current 1½ amp.</p> <p>Alternator (dual or single circuit) The charging system is an alternator located under the flywheel. It is unregulated and rated 3 amp. at 3600 r.p.m. A diode (rectifier) is located in the output lead just before the wire harness plug on the engine side.</p> <div style="text-align: center;"> </div> <p>The diode changes A.C. to D.C. to charge the battery. A bad diode can either fail to charge the battery or discharge the battery if the alternator is shorted as well as the diode. To test: (1) Disconnect charger lead from the battery (small red wire). (2) Connect 12 V small test lamp between the 3 amp. D.C. charge lead and the positive terminal of the battery. (3) With the engine off, the lamp should not light. If it does, the diode and possibly the alternator should be replaced. (4) Start the engine. The lamp should light. If it does not, the alternator (stator) or lead wire is bad and should be replaced.</p>
Engine cranks but will not start	Mechanical failure. (Wires and switches)	The interlock system includes two mechanical activated switches which are wired in series in the circuit used to energize the starter solenoid. 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. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal on the solenoid. If the engine does not crank: (1) There is a loose connection or poor ground. (2) The solenoid may be bad. The solenoid can be checked by using a heavy wire (#8 gauge minimum) and jumping between the two large terminals. If the engine cranks, the solenoid is bad. (3) If the engine does not crank when you jump the solenoid, have the starter motor tested by an authorized engine dealer. If the engine does crank, the problem is with one of the safety switches, ignition switch or the wire between the fuse holder (or circuit breaker) and the small terminal on the solenoid. Note: Look for a poor connection at the switches or a defective switch. Replace if necessary.
	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke (if separate control) for starting.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

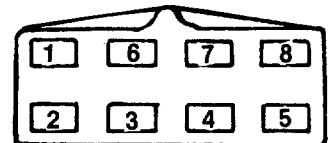
TROUBLE	LOOK FOR	REMEDY
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the 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 carburetor	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 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.
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 and 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 low Transmission selection Blades short or dull	Throttle must be set between 3/4 and full throttle. Use lower transmission gear. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only).



Terminal Block for Ignition Switch "A"

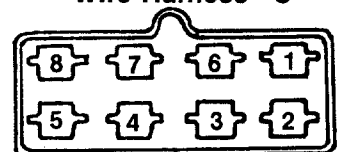


Terminal Block for Secondary Wire Harness "B"



1 = Red 5 = Blue
 2 = Red 6 = Red
 3 = Orange 7 = White
 4 = Green 8 = Yellow

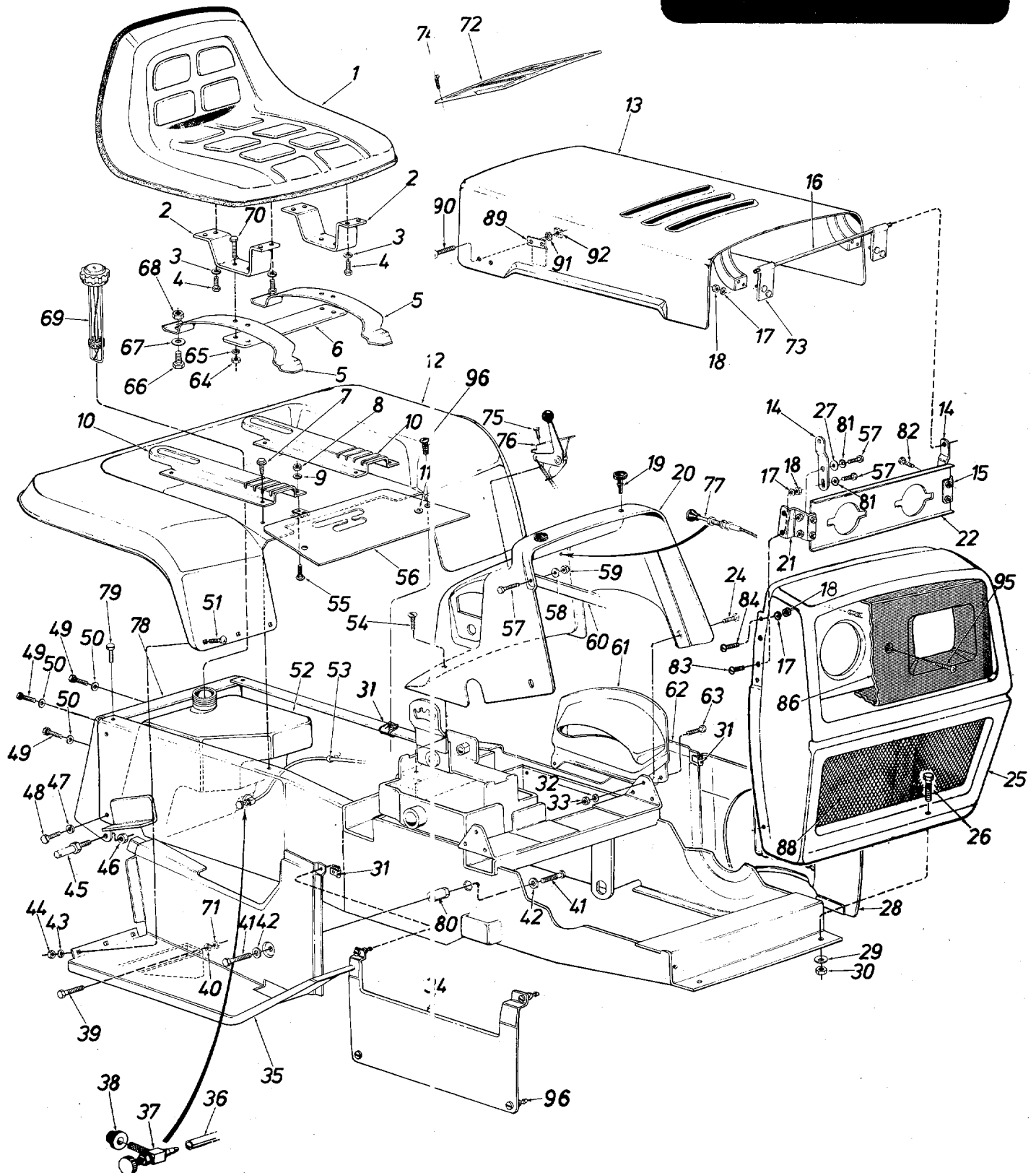
Terminal Block for Basic Wire Harness "C"



1 = Red 5 = Blue
 2 = Red 6 = Red
 3 = Orange 7 = White
 4 = Green 8 = Yellow

Model 918

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



Model 918

PARTS LIST FOR MODEL 918 TRACTOR

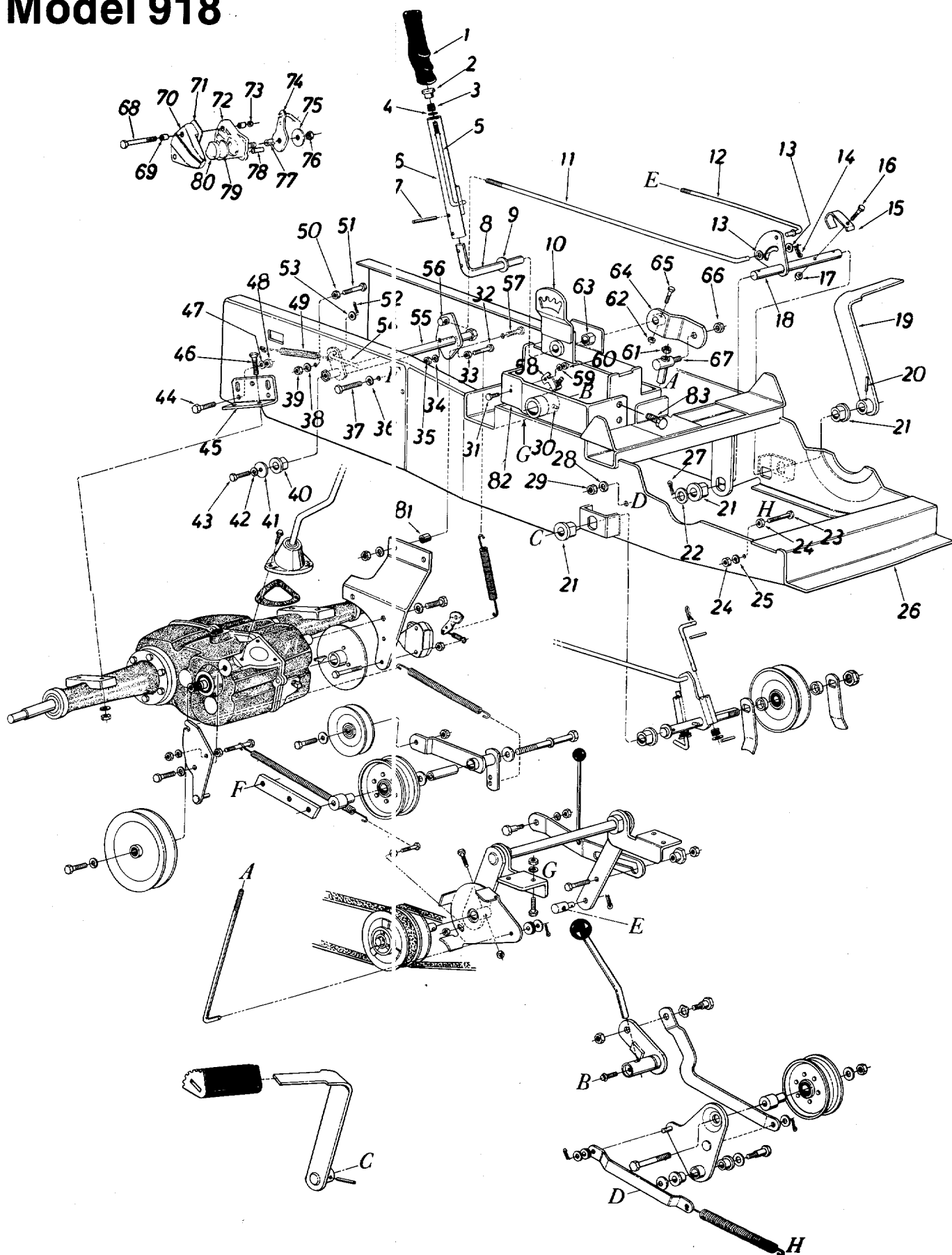
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	757-0286		Seat Ass'y. Comp.		49	710-0258		Hex Scr. 1/4-20 x .62" Lg.*	
2	14225		Seat Brkt.		50	736-0270		Bell-Wash.	
3	736-0169		L-Wash. 3/8" Scr.*		51	710-0167		Carr. Bolt 1/4-20 x .50" Lg.*	
4	710-0216		Hex Scr. 3/8-16 x .75" Lg.*		52	751-0207		Fuel Tank	
5	13123		Seat Spring		53	725-0157		Tie Strap	
6	13214		Seat Support Plate		54	710-0618		Flat Hd. Self-Tap Scr. 1/4"	
7	710-0601		Hex Wash. Hd. Self-Tap Scr. 5/16-24 x .75" Lg.					Dia. x .62" Lg.	
8	712-0267		Hex Nut 5/16-18 Thd.*		55	710-0260		Carr. Bolt 5/16-18 x .62" Lg.*	
9	736-0119		L-Wash. 5/16" Scr.		56	13107		Transmission Cover	
10	13124		Seat Adjuster Brkt.		57	710-0252		Hex Scr. 1/4-20 x .75" Lg.*	
11	731-0405		Snap Bushing		58	736-0329		L-Wash. 1/4" Scr.*	
12	13106		Rear Fender Ass'y.		59	712-0287		Hex Nut 1/4-20 Thd.*	
13	13471	—447	Hood Ass'y.		60	13152		Grille Strap	
14	13585		Hinge Rod Support		61	731-0383		Instrument Panel Insert	
15	13690		Hood Support Brkt. Ass'y.—L.H.		62	13103		Foot Step Panel—L.H.	
16	747-0231		Hinge Rod		63	710-0599		Thread Rolling Scr. 1/4"	
17	736-0329		L-Wash. 1/4" Scr.*		64	712-0267		Hex Nut 5/16-18 Thd.*	
18	712-0287		Hex Nut 1/4-20 Thd.*		65	736-0119		L-Wash. 5/16" Scr.*	
19	735-0199		Rubber Bumper		66	710-0689		Nylon Scr. 1/2-13 x .75" Lg.	
20	731-0375		Instrument Panel		67	736-0160		FI-Wash. 1/2" I.D.	
21	13689		Hood Support Brkt. Ass'y.—R.H.		68	712-0384		Hex Cent. L-Nut 1/2-13 Thd.	
22	13687		Headlight Retainer		69	751-0226		Fuel Gauge	
23	725-0222		Headlight		70	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
24	710-0255		Truss Mach. Scr. 1/4-20 x .75" Lg.*		71	712-0798		Hex Nut 3/8-16 Thd.*	
25	15667		Front Grille		72	731-0384		Instrument Panel Cover	
26	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.*		73	13581		Hood Hinge Ass'y.	
27	736-0211		FI-Wash. .25 I.D. x 1.25 O.D.		74	710-0697		Self-Tap Black Oval Hd. Scr. 1/2" Lg.	
28	13394		Panel Ass'y.—L.H.		75	710-0721		FI-Hd. Truss Scr. #10 x .62" Lg.	
29	736-0242		Belleville Wash.		76	746-0335		Throttle Control Ass'y.	
30	712-0267		Hex Nut 5/16-18 Thd.*		77	746-0336		Choke Control Ass'y.	
31	712-0147		U-Type Speed Nut		78	13196		Hitch Plate Ass'y.	
32	736-0329		L-Wash. 1/4" Scr.*		79	710-0216		Hex Scr. 3/8-16 x .75" Lg.*	
33	712-0287		Hex Nut 1/4-20 Thd.*		80	748-0252		Lift Shaft Pivot Pin	
34	13393		Panel—R.H.		81	736-0270		Bell-Wash.	
35	13102		Foot Step Panel—R.H.		82	710-0294		Hex Scr. 1/4-20 x .38" Lg.*	
36	731-0150		Gas Hose 3/16" I.D. x 5/16" O.D. x 72" Lg.		83	710-0286		Truss Hd. Scr. 1/4-20 x .50" Lg.*	
37	751-0171		Fuel Shut-Off Valve		84	710-0255		Truss Hd. Scr. 1/4-20 x .75" Lg.*	
38	735-0149		Rubber Bushing		86	731-0465		Head Lamp Bezel	
39	710-0253		Hex Scr. 3/8-16 x 1.00" Lg. (Grade 5)		87	710-0432		Hex Self-Tap Scr. #10-32 x .38 Lg.	
40	736-0169		L-Wash. 3/8" Scr.*		88	13730		Grille Screen	
41	710-0201		Hex Scr. 3/8-16 x .62" Lg.*		89	732-0391		Hood Spring	
42	736-0117		FI-Wash. .385 I.D. x .62 O.D.		90	710-0192		Truss Mach. Scr. 10-24 x 3/8"	
43	736-0329		L-Wash. 1/4" Scr.*		91	736-0722		L-Wash. #10	
44	712-0287		Hex Nut 1/4-20 Thd.*		92	712-0121		Hex Nut 10-24 Thd.	
45	711-0497		Link Clevis Pin		95	710-0425		Truss Mach. Scr. #10-24 x .62" Lg.	
46	712-0923		Hex Cent. L-Nut 5/8-18 Thd.*		96	710-0473		Truss Mach. Scr. #10-24 x .50" Lg.	
47	736-0169		L-Wash. 3/8" Scr.*						
48	710-0514		Hex Scr. 3/8-24 x 1.00" Lg. (Grade 5)						

(447—Patina Silver)

*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.

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Patina Silver Finish—13106 (447).)

Model 918



Model 918

PARTS LIST FOR MODEL 918 TRACTOR

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-0178		Grip		42	736-0119		L-Wash. 5/16" Scr.*	
2	711-0642		Handle Button		43	710-0538		Plastic Ms. Hex Scr. 5/16-16 x 1.50" Lg.	
3	732-0335		Compression Spring					Hex Scr. 3/8-24 x 1.00" Lg. Grade 5	
4	736-0463		FI-Wash. 1/4" I.D. x 5/8" O.D.		44	710-0514		Transaxle Support Brkt.	
5	747-0210		Control Rod		45	13066		Hex Scr. 3/8-16 x 1.75" Lg.*	
6	13024		Variable Speed Handle Ass'y.		46	710-0347		L-Wash. 3/8" Scr. H.D.*	
7	715-0247		Spring Pin Spiral 3/16" Dia. 1" Lg.		47	736-0217		Hex Nut 3/8-24 Thd.*	
8	738-0345		Pivot Shaft		48	712-0241		Extension Spring	
9	736-0156		FI-Wash. 5/8" x 1-1/8" O.D.		49	732-0121		Hex Nut 1/4-28 Thd.*	
10	13385		Variable Speed and Steering Brkt.		50	712-0138		Hex Scr. 1/4-28 x 1.50" Lg.*	
11	747-0229		Brake Rod		51	710-0698		Cotter Pin 1/8" Dia. x .75" Lg.*	
12	747-0218		Clutch Control Rod		52	714-0474		FI-Wash. .38" I.D.	
13	736-0117		FI-Wash. .38 I.D. x .62" O.D.		53	736-0117		Brake Rod Ass'y.	
14	714-0474		Cotter Pin 1/8" Dia. x .75" Lg.*		54	13062		Brake and Clutch Jackshaft Ferrule	
15	13160		Clutch Control Switch Plate		55	13059		Hex Scr. 5/16-18 x 1.25" Lg.*	
16	710-0428		Hex Scr. 1/4-28 x 1.25" Lg.*		56	711-0179		Safety Switch	
17	712-0117		Hex Cent. L-Nut 1/4-28 Thd.		57	710-0258		L-Wash. 1/4" Scr.*	
18	13084		Clutch Control Brkt.		58	725-0577		Hex Nut 1/4-20 Thd.*	
19	13081		Foot Pedal Brkt.		59	736-0329		Hex Jam Nut 3/8-24 Thd.	
20	715-0114		Roll Pin 1/4" Dia. x 1.50" Lg.*		60	712-0287		Hex Cent. L-Nut 1/4-28 Thd.	
21	741-0199		Hex Flange Brg. Plastic		61	712-0116		Flange Brg.	
22	736-0188		FI-Wash. .75" I.D. x 1.50" O.D.		62	712-0117		Actuator Arm Ass'y.	
23	710-0442		Hex Scr. 5/16-18 x 1.50" Lg.*		63	748-0227		Hex Scr. 1/4-28 x 1.25" Lg.*	
24	712-0267		Hex Nut 5/16-18 Thd.*		64	13036		Hex Cent. L-Nut 5/16-18 Thd.	
25	736-0119		L-Wash. 5/16" Scr.*		65	710-0428		Ferrule Ass'y.	
26	13392		Frame Ass'y.		66	712-0158		Hex Scr. 3/8-16 x 3.50" Lg.*	
27	714-0470		Cotter Pin 1/8" Dia. x 1.25" Lg.*		67	13115		Spacer	
28	736-0217		L-Wash. 3/8" Scr.*		68	710-0316		Casting—Carrier Side	
29	712-0214		Hex Top L-Nut 3/8-16 Thd.		69	761-0138		Spacer	
30	737-0146		Grease Fitting		70	HH-12-03045		Casting—Cam Side	
31	710-0289		Hex Scr. 1/4-20 x .50" Lg.*		71	HH-11-03436		Hex Cent. L-Nut 3/8-16 Thd.	
32	710-0528		Hex Scr. 5/16-18 x 1.25" Lg.*		72	HH-12-03041		Cam Lever	
33	712-0267		Hex Nut 5/16-18 Thd.*		73	712-0375		Thrust Wash. 5/16" I.D.	
34	736-0119		L-Wash. 5/16" Scr.*		74	HH-18-02770		Hex Nut 5/16-24 Thd.*	
35	712-0267		Hex Nut 5/16-18 Thd.*		75	HH-03-03032		Compression Spring	
36	736-0119		L-Wash. 5/16" Scr.*		76	712-0237		Push Pin	
37	710-0216		Hex Scr. 3/8-16 x .75" Lg.*		77	HH-06-03031		Disc—Back Up	
38	736-0329		L-Wash. 1/4" Scr.*		78	HH-05-03034		Pad—Friction	
39	712-0138		Hex Nut 1/4-28 Thd.*		79	HH-03-03097		Spacer .380 I.D. x 1.0" O.D. x .315	
40	748-0227		Bronze Bearing		80	HH-15-02533		PTO Mtg. Brkt. Ass'y.	
41	736-0123		FI-Wash. 5/16" I.D. x 1.125" O.D.		81	711-0242		Hex Scr. 5/16-18 x .75" Lg.*	
					82	13056			
					83	710-0198			

(447—Patina Silver)
(462—Red Flake)

*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.

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Red Flake Finish—13106 (462).)



NOTE

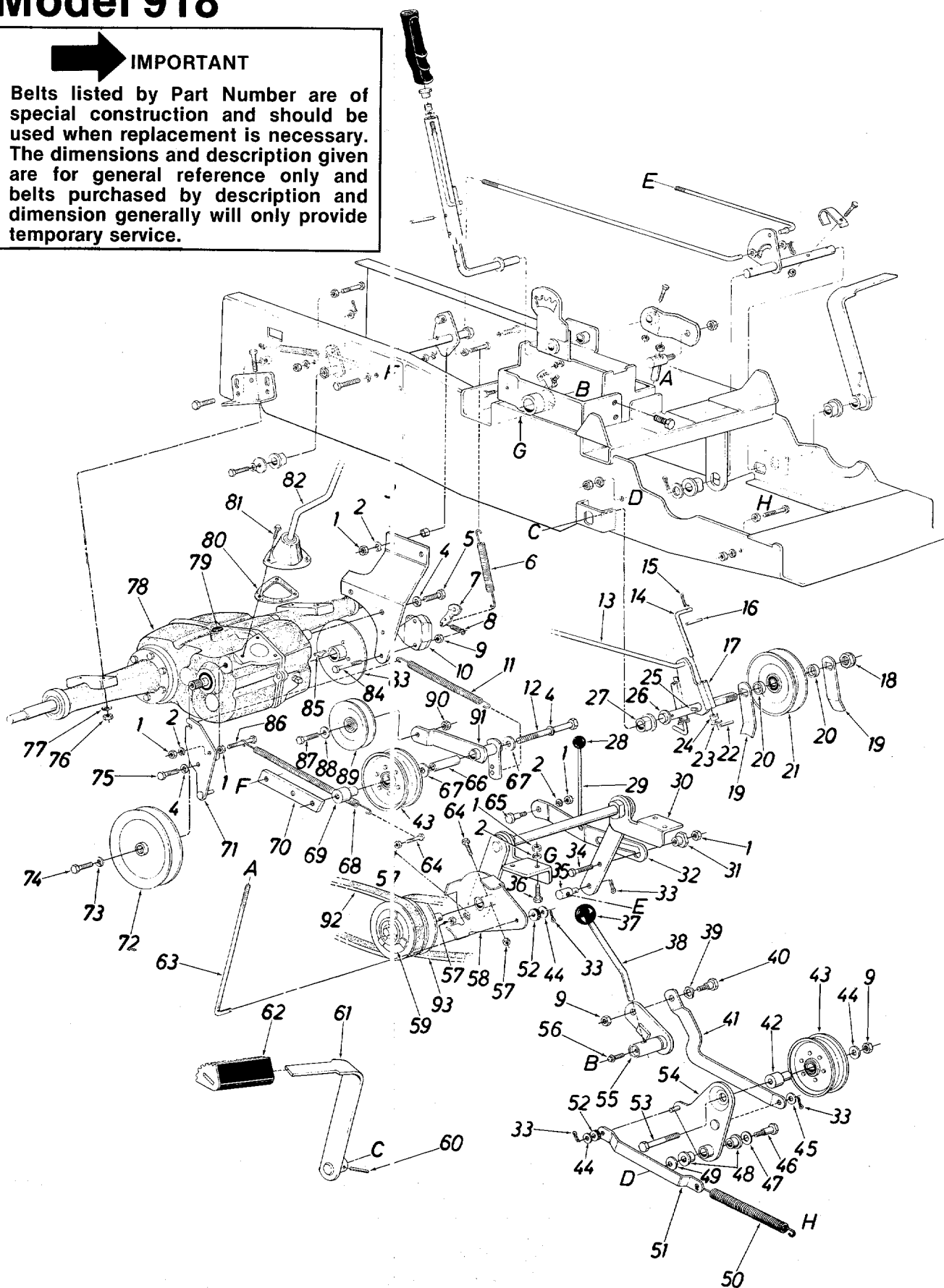
Specifications subject to change without notice or obligation.

Model 918



IMPORTANT

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



Model 918

PARTS LIST FOR MODEL 918 TRACTOR

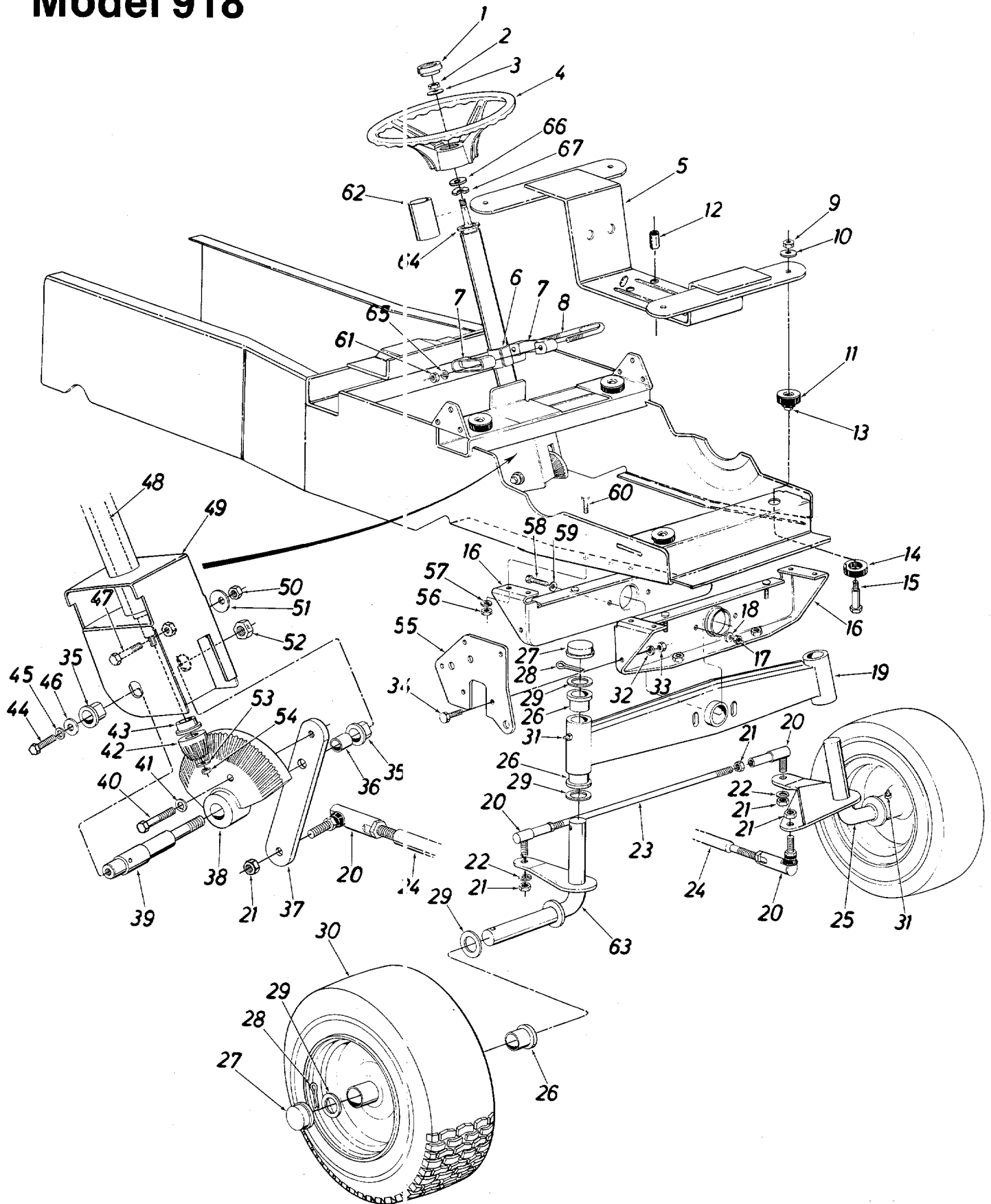
REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-0267		Hex Nut 5/16-18 Thd.*		48	748-0108		Bronze Bearing	
2	736-0119		L-Wash. 5/16" Scr.*		49	736-0219		Bell-Wash.	
3	13012		Transaxle Support Brkt.		50	736-0262		Extension Spring	
4	736-0169		L-Wash. 3/8" Scr.*		51	13077		Spring Strap	
5	710-0253		Hex Scr. 3/8-16 x 1.00" Lg. (Grade 5)		52	735-0127		Rubber Washer	
6	732-0260		Brake Spring		53	710-0427		Hex Scr. 3/8-16 x 2.00" Lg.*	
7	HH-18-02770		Cam Lever		54	13074		Clutch Idler Plate	
8	732-0339		Brake Return Spring		55	13053		Actuator Lever Ass'y.	
9	712-0181		Hex Top L-Nut 3/8-16 Thd.		56	710-0599		Hex Hd. Self-Tap Scr. 1/4-20 x .50" Lg.*	
10	761-0137		Disc Brake Ass'y. Comp.		57	712-0117		Hex Cent. L-Nut 1/4-28 Thd.	
11	732-0233		Brake Spring		58	13041		Variable Speed Belt Guard Ass'y.	
12	710-0693		Hex Scr. 3/8-16 x 4.50" Lg.*		59	717-0342		Variable Speed Pulley	
13	13062		Brake Rod Ass'y.		60	715-0114		Spring Pin Spiral 1/4" Dia. x 1.50" Lg.	
14	747-0226		Belt Guard		61	13080		Foot Pedal Brkt. Ass'y.— R.H.	
15	714-0104		Hairpin Cotter 5/16" Dia.		62	735-0189		Foot Pad (Right and Left)	
16	715-0138		Roll Pin 1/8" Dia. x .63" Lg.*		63	747-0213		Control Rod	
17	13082		Brake Control Brkt. Ass'y.		64	710-0428		Hex Scr. 1/4-28 x 1.25" Lg. (Grade 5)	
18	712-0221		Hex Nut 5/8-18 Thd.*		65	738-0296		Shoulder Scr.	
19	13183		Belt Guide		66	750-0261		Spacer Tube	
20	750-0171		Spacer 5/8 I.D. x 7/8 O.D. x .25" Lg.		67	736-0258		FI-Wash. 3/8" I.D. x 1.00" O.D.*	
21	756-0283		V-Idler Pulley 4 1/2" O.D.		68	732-0276		Extension Spring	
22	715-0138		Roll Pin 1/8" Dia. x .63" Lg.*		69	711-0656		Idler Adapter	
23	736-0117		Flat Wash.		70	13116		Idler Bracket	
24	732-0334		Spring		71	13039		Spring Brkt. Ass'y.	
25	715-0134		Roll Pin 3/16" Dia. x 1.50" Lg.*		72	756-0281		Transaxle Pulley 7.00" Dia.	
26	736-0188		FI-Wash. .76 I.D. x .06		73	736-0105		Belleville Wash.	
27	741-0199		Flange Bearing—Plastic		74	710-0180		Hex Scr. 3/8-24 x .75" Lg.*	
28	720-0166		Parking Brake Knob		75	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*	
29	747-0217		Parking Brake Rod		76	712-0798		Hex Nut 3/8-16 Thd.*	
30	13045		Mount Ass'y.		77	736-0217		L-Wash. 5/8" Scr. Heavy Duty	
31	711-0404		Shoulder Nut		78	—		Transaxle (See Breakdown)	
32	13108		Parking Brake Brkt.		79	722-0141		Bumper	
33	714-0474		Cotter Pin 1/8" Dia. x .75" Lg.*		80	—		Part of Transaxle	
34	710-0322		Hex Scr. 5/16-18 x 1.00 Lg.*		81	—		Part of Transaxle	
35	711-0198		Ferrule		82	—		Part of Transaxle	
36	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*		83	761-0142		Brake Disc Ass'y.	
37	720-0175		Ball Knob		84	710-0937		Hex Scr. 3/8-16 x 2.50" Lg.*	
38	747-0211		PTO Handle		85	714-0137		Hi-Pro Key 3/8" x 1.06" Lg.	
39	736-0232		Wave Wash. 1/2" Dia.		86	710-0395		Hex Scr. 5/16-18 x 2.25" Lg.*	
40	738-0143		Shoulder Bolt		87	710-0344		Hex Scr. 3/8-16 x 1.50" Lg.*	
41	13076		Clutch Idler Link		88	736-0267		FI-Wash. 3/8" I.D.*	
42	711-0598		Idler Adapter		89	756-0293		4" Dia. V-Idler	
43	711-0306		Flat Idler Pulley 4-5/8" Dia.		90	712-0375		Hex Cent. L-Nut 3/8-16 Thd.*	
44	736-0300		FI-Wash. 3/8" I.D.*		91	13060		Idler Arm Ass'y.	
45	736-0108		FI-Wash. 1/2" I.D. x 3/4" O.D.*		92	754-0212		V-Belt 5/8 x 45" Lg.	
46	738-0146		Shoulder Scr.		93	754-0227		V-Belt 5/8 x 63" Lg.	
47	736-0100		FI-Wash. 1/2" I.D.*						

(447—Patina Silver)
(462—Red Flake)

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Model 918



Model 918

PARTS LIST FOR MODEL 918 TRACTOR

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-0220		Steering Wheel Cap		35	741-0199		Flange Bearing	
2	712-0158		Hex Cent. L-Nut 5/16-18 Thd.		36	750-0333		Steering Gear Shaft Spacer	
					37	13132		Steering Arm	
3	736-0270		Belleville Wash.		38	748-0238		Bevel Gear	
4	731-0356		Steering Wheel		39	738-0342		Steering Gear Shaft	
5	13476		Engine Support Ass'y.		40	710-0344		Hex Scr. 3/8-16 x 1.50" Lg.*	
6	750-0344		Tube Spacer		41	736-0169		L-Wash. 3/8" Scr.*	
7	06627		Bearing Block		42	748-0237		Pinion Gear	
8	747-0101		"U"-Clamp		43	748-0227		Flange Bearing	
9	712-0158		Hex Cent. L-Nut 5/16-18 Thd.*		44	710-0216		Hex Scr. 3/8-16 x .75" Lg.*	
					45	736-0169		L-Wash. 3/8" Scr.*	
					46	736-0133		Fl-Wash. 3/8" I.D. x 1.25 O.D.	
10	736-0242		Bell-Wash.					Nylon Hex Screw	
11	722-0151		Engine Mount		47	710-0670		Steering Shaft	
12	711-0516		Engine Mount Spacer		48	738-0343		Steering Bracket Support	
13	722-0149		Engine Mount		49	13126		Ass'y.	
14	722-0150		Engine Mount					Hex Jam Nut 3/8-18 Thd.	
15	738-0413		Shoulder Scr.		50	712-0342		Belleville Wash.	
16	13032		Front Pivot Brkt. Ass'y.		51	736-0219		Hex Ins. L-Nut 1/2-20 Thd.	
17	712-0375		Hex Cent. L-Nut 3/8-16 Thd.		52	712-0200		Fl-Wash. .344 I.D. x .62 O.D.	
18	736-0219		Belleville Wash.		53	736-0264		Hex Cent. L-Nut 5/16-24 Thd.	
19	13008		Pivot Bar Ass'y.						
20	723-0179		Tie Rod End		54	712-0237		Front Pivot Brkt. Reinforcement	
21	712-0922		Hex Nut 1/2-20 Thd.*					Hex Nut 3/8-16 Thd.*	
22	736-0921		L-Wash. 1/2" Scr.*		56	712-0798		L-Wash. 3/8" Scr.*	
23	747-0214		Tie Rod		57	736-0169		Hex Scr. 3/8-16 x 2.50" Lg.*	
24	13190		Drag Link		58	710-0937		Belleville Wash.	
25	13001		Front Axle Ass'y.—L.H.		59	736-0219		Hex Scr. 3/8-16 x 1.00" Lg.*	
26	731-0374		Plastic Flange Bearing 1.0" I.D.		60	710-0253		Hex Nut 5/16-18 Thd.*	
27	731-0349		Dust Cover (Optional)		61	712-0267		Steering Tube Outer	
28	714-0142		Cotter Pin 3/16" Dia. x 1.50" Lg.*		62	750-0362		Front Axle Ass'y.—R.H.	
29	736-0259		Fl-Wash. 1.0" I.D.		63	13002		Ball Bearing	
30	734-0771		Front Wheel Ass'y. Comp. 16 x 6.50		64	741-0138		L-Wash. 5/16" Scr.*	
	734-0787		Rim Only		65	736-0119		Double "D" Flat Wash.	
	734-0526		Tire Only 16 x 6.50		66	736-0296		Wave Wash. .660 I.D. x .88 O.D.	
31	737-0146		Grease Fitting		67	736-0174			
32	736-0169		L-Wash. 3/8" Scr.*						
33	712-0798		Hex Nut 3/8-16 Thd.*						
34	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*						

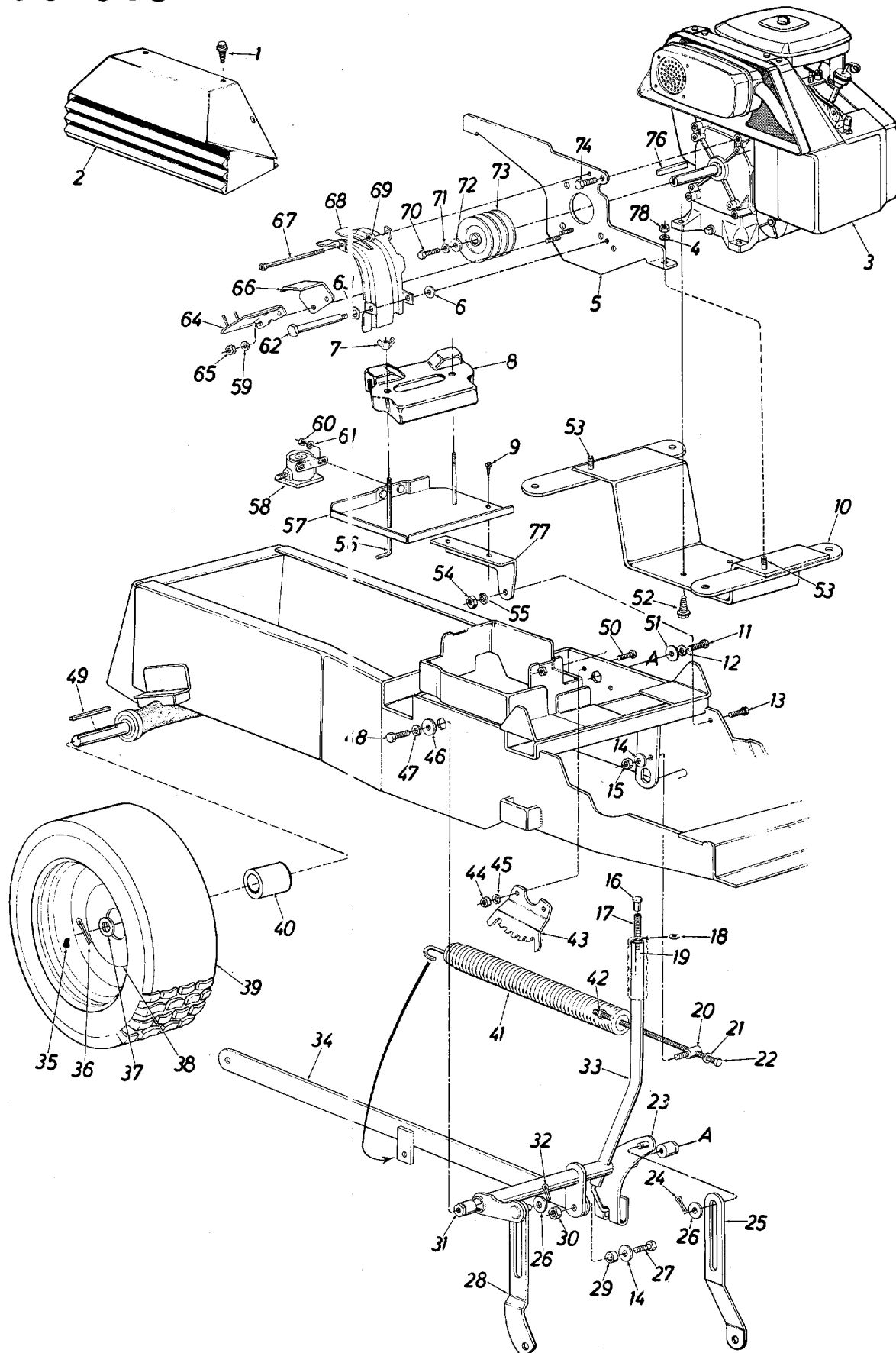
(447—Patina Silver)

(462—Red Flake)

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Model 918

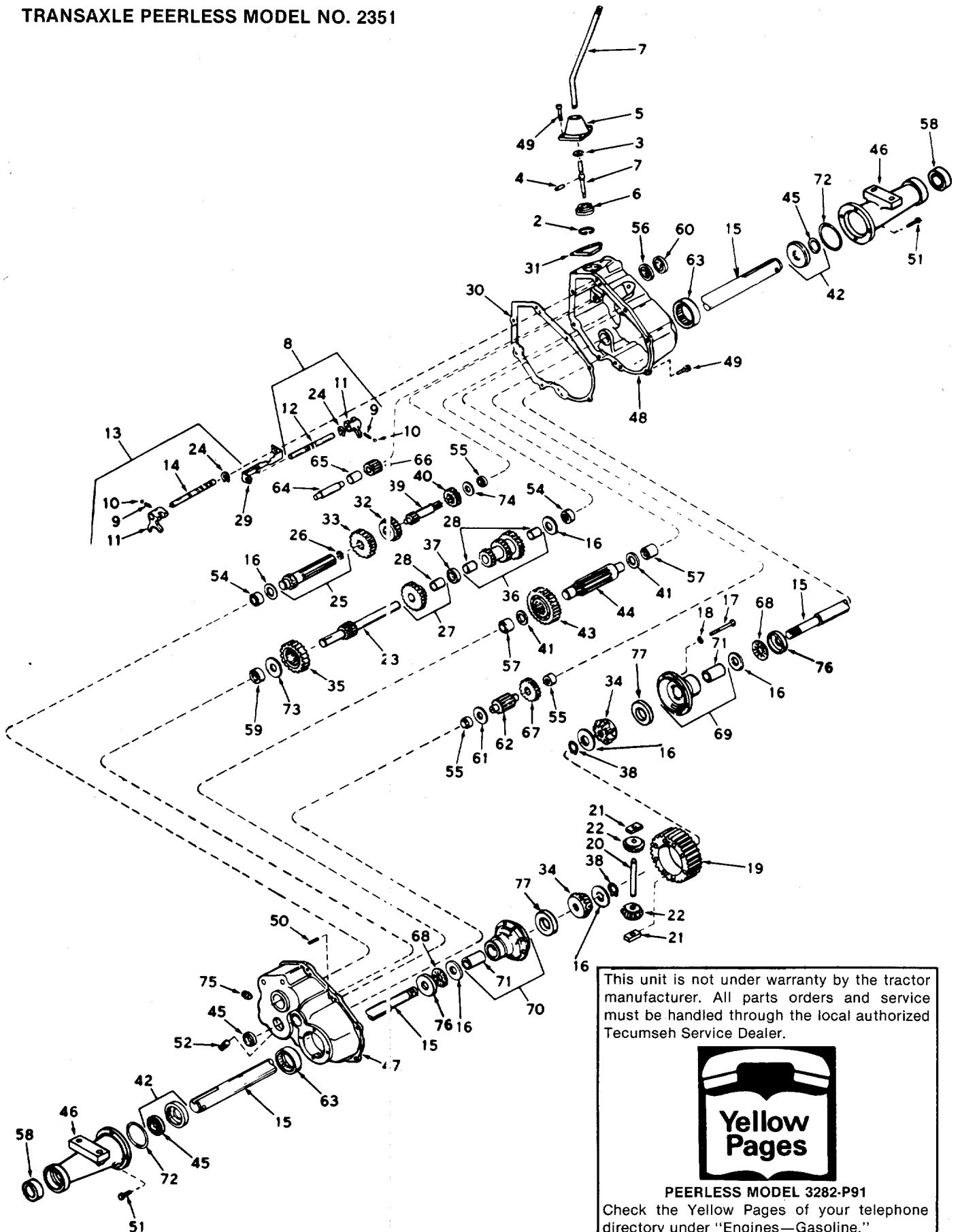


Model 918

PARTS LIST FOR MODEL 918 TRACTOR

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0642		Hex Self-Tap Scr. 1/4-20 x .75" Lg.		41	732-0336		Deck Lift Assist Spring	
3	—		18 H.P. Twin Cylinder Engine		42	711-0635		Spring Insert	
4	736-0169		L-Wash. 3/8" Scr.*		43	13095		Index Brkt.	
5	13473		Engine Belt Guard Mount Plate Ass'y.		44	712-0241		Hex Nut 3/8-24 Thd.*	
6	736-0105		Bell-Wash.		45	736-0169		L-Wash. 3/8" Scr.*	
7	712-0113		Wing Nut 1/4-20 Thd.		46	736-0235		Fl-Wash. 3/8" I.D. x 1 1/4" O.D.	
8	731-0707		Battery Cover		47	736-0169		L-Wash. 3/8" Scr.*	
9	710-0599		Hex Self-Tap Scr. 1/4-20 x .50" Lg.		48	710-0514		Hex Scr. 3/8-16 x 1.00" Lg.*	
10	13476		Engine Support Ass'y.		49	714-0142		Sq. Key 1/4" x 3.0" Lg.	
11	710-0514		Hex Scr. 3/8-16 x 1.00" Lg.*		50	710-0152		Hex Scr. 3/8-24 x 1.00" Lg.*	
12	736-0169		L-Wash. 3/8" Scr.*		51	736-0235		Fl-Wash. 3/8" I.D. x 1 1/4" O.D.	
13	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*		52	710-0502		Hex Wash. Hd. Self-Tap Scr. 3/8-16 x 1.25" Lg.	
14	736-0242		Bell-Wash.		53	710-0342		Hex Scr. 3/8-16 x 1.25" Lg.*	
15	712-0158		Hex Cent. L-Nut 5/16-18 Thd.		54	732-0267		Hex Nut 5/16-18 Thd.*	
16	711-0642		Lift Handle Button		55	736-0119		L-Wash. 5/16" Scr.*	
17	732-0152		Compression Spring		56	711-0222		Battery Hold Down Rod	
18	736-0173		Fl-Wash. 1/4" I.D. x .75" O.D.		57	13381		Battery Carrier Ass'y.	
19	747-0212		Locking Rod		58	725-0771		Solenoid	
20	711-0471		Ferrule		59	736-0119		L-Wash. 5/16" Scr.*	
21	736-0140		Fl-Wash. 3/8" I.D. x 5/8" O.D.		60	712-0287		Hex Nut 1/4-20 Thd.*	
22	710-0677		Hex Scr. (Special)		61	736-0329		L-Wash. 1/4" Scr.	
23	748-0252		Lift Shaft Pivot Pin		62	738-0215		Shoulder Scr.	
24	714-0115		Cotter Pin		63	736-0232		Wave Wash.	
25	13169		Deck Link—L.H.		64	13146		Engine Belt Guard Ass'y.	
26	736-0179		Fl-Wash. 1/2" I.D. x 1 1/4" O.D.		65	712-0267		Hex Nut 5/16-18 Thd.*	
27	710-0504		Hex Scr. 1/2-20 x 1.25" Lg.*		66	13148		Engine Belt Guard Ass'y. (Trans.)	
28	13168		Deck Link—R.H.		67	747-0273		Belt Guard Scr.	
29	750-0336		Push Bar Sleeve		68	13149		Engine Belt Guard Ass'y.	
30	712-0158		Hex Cent. L-Nut 5/16-18 Thd.		69	712-0239		Hex Cent. L-Nut 5/16-24 Thd.	
31	748-0252		Lift Shaft Pivot Pin		70	710-0459		Hex Scr. 3/8-24 x 1.50" Lg. (Grade 5)	
32	714-0115		Cotter Pin		71	736-0217		L-Wash. 3/8" Scr. H.D.	
33	13086		Lift Shaft Weldment Ass'y.		72	736-0235		Fl-Wash. 3/8" Dia.	
34	13092		Push Bar Ass'y.		73	756-0310		Engine Pulley	
35	734-0225		Air Valve		74	710-0694		Hex Scr. 7/16-14 x 1.50" Lg.	
36	714-0142		Cotter Pin 3/16" Dia. x 1.50" Lg.		76	714-0118		Sq. Key 1/4" x 1/4" x 1.50" Lg.	
37	736-0345		Flat Washer		77	13380		Battery Carrier Support Brkt.	
38	734-1015		Rim Only		78	712-0798		Hex Nut 3/8-16 Thd.*	
	734-0322		Tire Only		—	731-0556		Hub Cap (Not Shown)	
39	734-1005		Rear Wheel Ass'y. Comp.						
40	750-0490		Spacer 1.0" I.D. x 1.25" O.D. x 2.12" Lg.						

TRANSAXLE PEERLESS MODEL NO. 2351



This unit is not under warranty by the tractor manufacturer. All parts orders and service must be handled through the local authorized Tecumseh Service Dealer.



PEERLESS MODEL 3282-P91

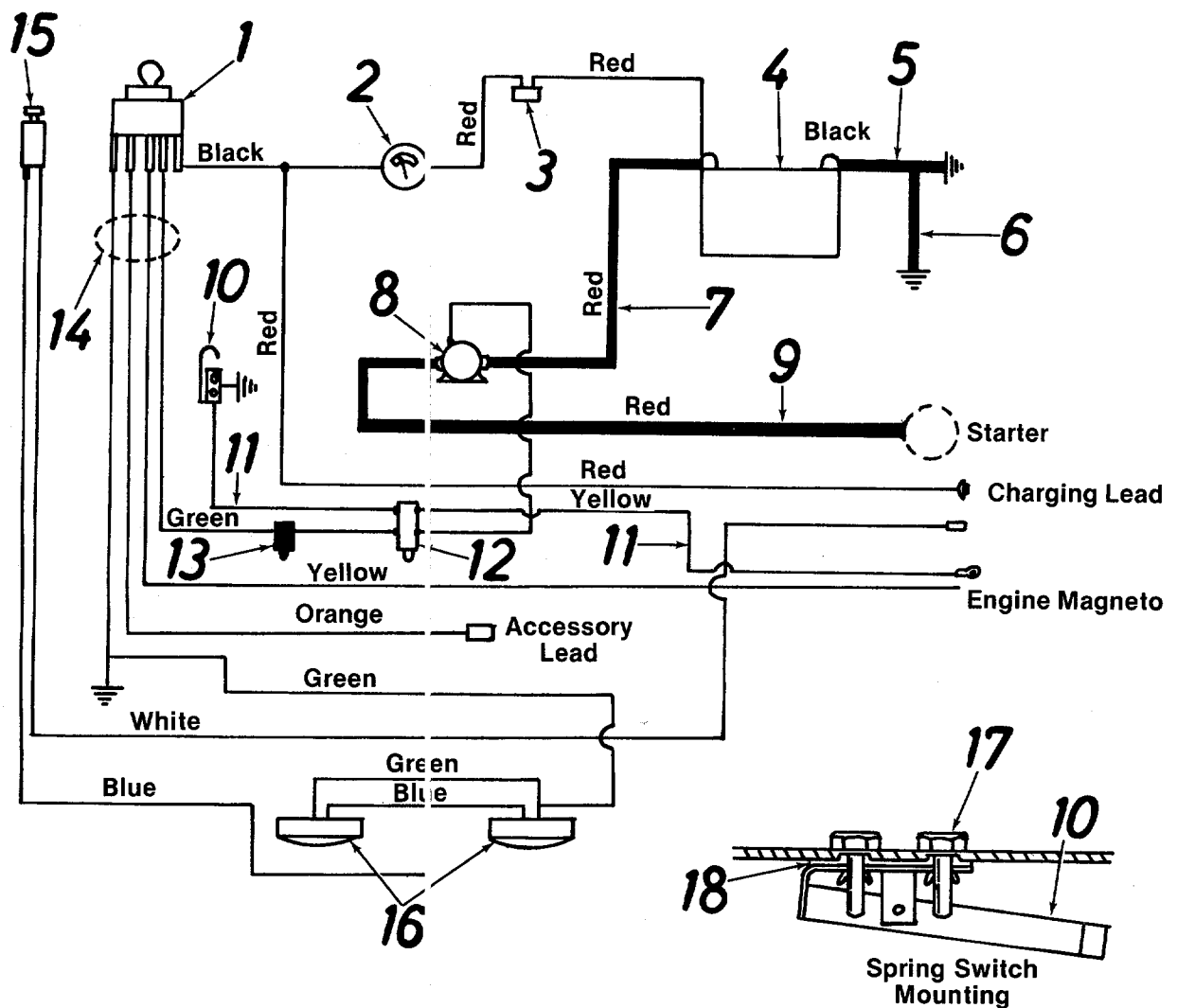
Check the Yellow Pages of your telephone directory under "Engines—Gasoline."

**PARTS LIST FOR TRANSAXLE PEERLESS
MODEL 2351 (717-0450)**

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
2	PE-792016	Ring, Snap	41	PE-780052	Washer, Thrust
3	PE-792001	Ring, Quad	42	PE-788021	Seal and Retainer Ass'y., Oil (Incl. No. 45)
4	PE-792049	Pin, Roll	43	PE-778036	Gear, Output
5	PE-784093	Housing, Shift Lever	44	PE-776028	Pinion, Output
6	PE-784094	Keeper, Shift Lever	45	PE-788008	Seal, Oil
7	PE-784308	Lever, Shift	46	PE-782025	Housing, Axle
8	PE-784054	Rod Ass'y., Shift (Incl. Nos. 9 thru 12 and 24)	47	PE-772016A	Cover Ass'y., Transaxle (Incl. Nos. 54, 55, 57, 59 and 63)
9	PE-792003	Spring	48	PE-770012	Case Ass'y., Transaxle (Incl. Nos. 54, 55, 57 and 63)
10	PE-792004	Ball, Steel	49	PE-792007	Screw, Socket Hd., 1/4-20 x 3/4
11	PE-784004	Fork, Shifter	50	PE-786026	Pin, Dowel
12	PE-784055	Rod, Shifter (3rd and 4th)	51	PE-792037	Screw, Hex Hd. Sems, 5/16-18 x 1
13	PE-784056	Rod Ass'y., Shift (Incl. Nos. 9, 10, 11, 14 and 24)	52	PE-792019	Plug, Magnetic Drain
14	PE-784057	Rod, Shifter (Low)	54	PE-780049	Bearing, Needle
15	PE-774433	Axle (18-11/32" Long)	55	PE-530105	Bearing, Needle
16	PE-780042	Washer, Thrust	56	PE-780024	Bearing, Ball
17	PE-792005	Scr., Hex Hd., 1/4-20 x 2 1/2	57	PE-780047	Bearing, Needle
18	PE-792006	Lock Washer, 1/4"	58	PE-780050	Bearing, Ball
19	PE-778033A	Gear, Ring	59	PE-780046	Bearing, Needle
20	PE-786019	Pin, Drive	60	PE-788025	Seal, Oil
21	PE-786027	Block, Drive	61	PE-780001	Washer
22	PE-778094	Pinion, Bevel	62	PE-776031	Shaft and Pinion
23	PE-776029A	Shaft and Gear, Brake	63	PE-780048	Bearing, Needle
24	PE-792017	Ring, Snap	64	PE-776030	Shaft, Reverse Idler
25	PE-776189A	Shaft and Bearing Ass'y., Pinion (Incl. No. 26)	65	PE-786025	Spacer, Reverse Idler
26	PE-780018	Bearing, Needle	66	PE-778016	Idler, Reverse
27	PE-778034	Gear Cluster Ass'y. (Incl. No. 28)	67	PE-778038	Spur Gear (22 Teeth)
28	PE-780053	Bushing	68	PE-780039	Bearing, Thrust
29	PE-784074	Stop, Shifter	69	PE-774072A	Carrier Ass'y., Differential (Incl. No. 71)
30	PE-788023	Gasket, Case and Cover	70	PE-774071A	Carrier Ass'y, Differential (Incl. No. 71)
31	PE-788022	Gasket, Shifter Lever Housing	71	PE-780041	Bushing
32	PE-778019A	Gear, Shifting (3rd and 4th)	72	PE-788024	"O" Ring
33	PE-778020	Gear, Shifting (1st, 2nd and Rev.)	73	PE-780007	Washer, Thrust
34	PE-778095	Gear, Bevel	74	PE-780051	Washer, Thrust
35	PE-778037	Gear, Idler	75	PE-792010	Plug, Pipe
36	PE-778035A	Gear Cluster Ass'y. (Incl. No. 28)	76	PE-780075	Race, Thrust
37	PE-786024	Spacer	77	PE-780107	Washer
38	PE-792018	Ring, Snap			
39	PE-776175	Shaft, Input			
40	PE-778024A	Spur Gear, Input Shaft			

*Shift lever is not shipped with transaxle. Order separately.

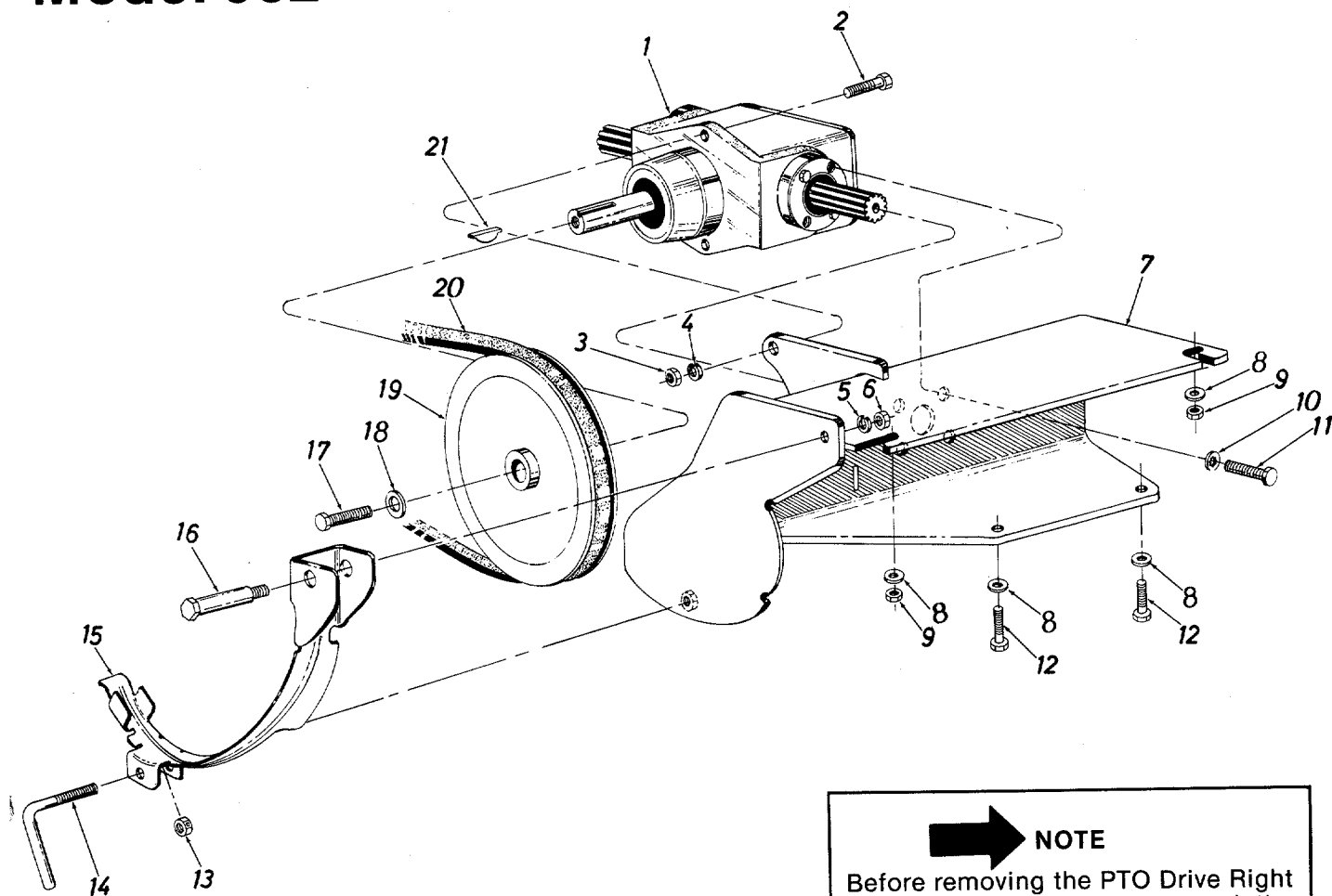
Model 918



PARTS LIST FOR MODEL 918 TRACTOR

REF. NO.	PART NO.	DESCRIPTION
1	725-0267	Ignition Switch
2	725-0119	Ammeter
3	725-0459	Circuit Breaker
4	725-0453	Battery
5	725-0995	Electric Wire
6	725-0995	Electric Wire
7	725-0558	Electric Wire
8	725-0771	Solenoid
9	725-0561	Electric Wire
10	725-0759	Spring Switch (Reverse)
11	725-0784	Reverse Lockout Wire Ass'y.
12	725-0909	Safety Switch
13	725-0577	Safety Switch—Black
14	725-0609	Basic Harness
15	725-0646	Light Switch
16	725-0222	Headlights
17	710-0227	Hex Wash. Hd. Tap Scr. #8 x 1/2" Lg.
18	726-0222	Insulator Nut Plate

Model 952



FRONT PTO



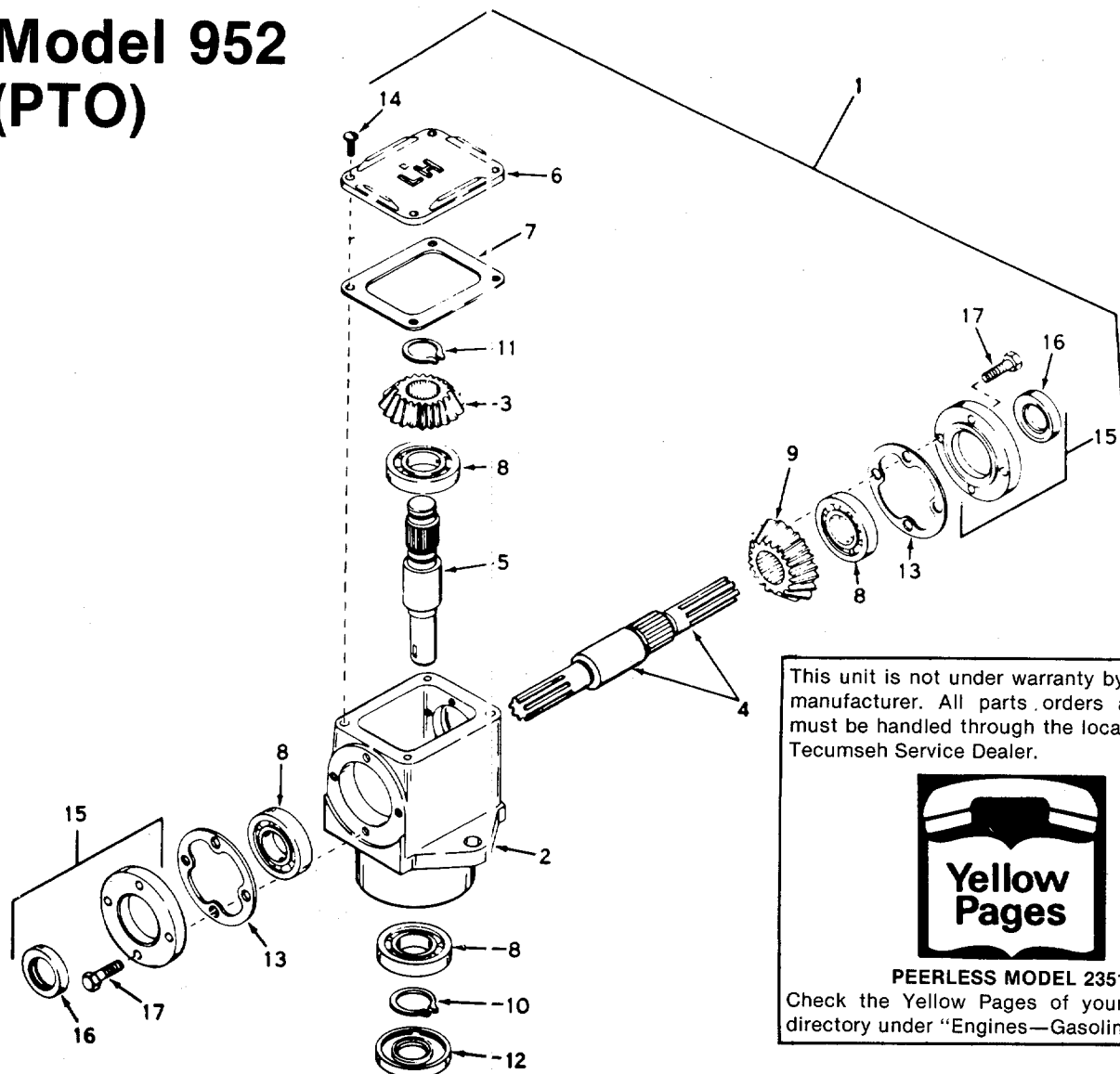
NOTE

Before removing the PTO Drive Right Angle Gear Box for service, mark the front and rear. If it is assembled backwards the direction of rotation will be wrong for the rotary tiller and snow thrower.

PARTS LIST FOR FRONT PTO KIT MODEL 952

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	—	"T" Drive Right Angle Ass'y.	13	712-0237	Hex Cent. L-Nut 5/16-24 Thd.
2	710-0514	Hex Scr. 3/8-16 x 1.00" Lg. (Grade 5)	14	747-0221	PTO Locking Pin
3	712-0798	Hex Nut 3/8-16 Thd.*	15	13388	PTO Belt Guard
4	736-0169	L-Wash. 3/8" Scr.*	16	738-0146	Shld. Bolt .50" Dia. x 1.34" Lg.
5	736-0169	L-Wash. 3/8" Scr.*	17	710-0118	Hex Scr. 5/16-18 x .75" Lg. (Grade 5)
6	712-0241	Hex Nut 3/8-24 Thd.*	18	736-0242	Bell-Wash. 5/16" I.D.
7	13390	PTO Support Brkt. Ass'y.	19	756-0282	PTO Pulley 7.00" O.D.
8	736-0105	Bell-Wash.	20	754-0229	"V"-Belt .50" x 52" Lg.
9	712-0798	Hex Nut 3/8-16 Thd.*	21	714-0126	#9 Hi-Pro Key 3/16 x 3/4"
10	736-0498	Internal L-Wash. 1/4" I.D.			
11	710-0722	Hex Scr. 1/4-20 x 1.125" Lg.			
12	710-0514	Hex Scr. 3/8-16 x 1.00" Lg. (Grade 5)			

Model 952 (PTO)



This unit is not under warranty by the tractor manufacturer. All parts orders and service must be handled through the local authorized Tecumseh Service Dealer.



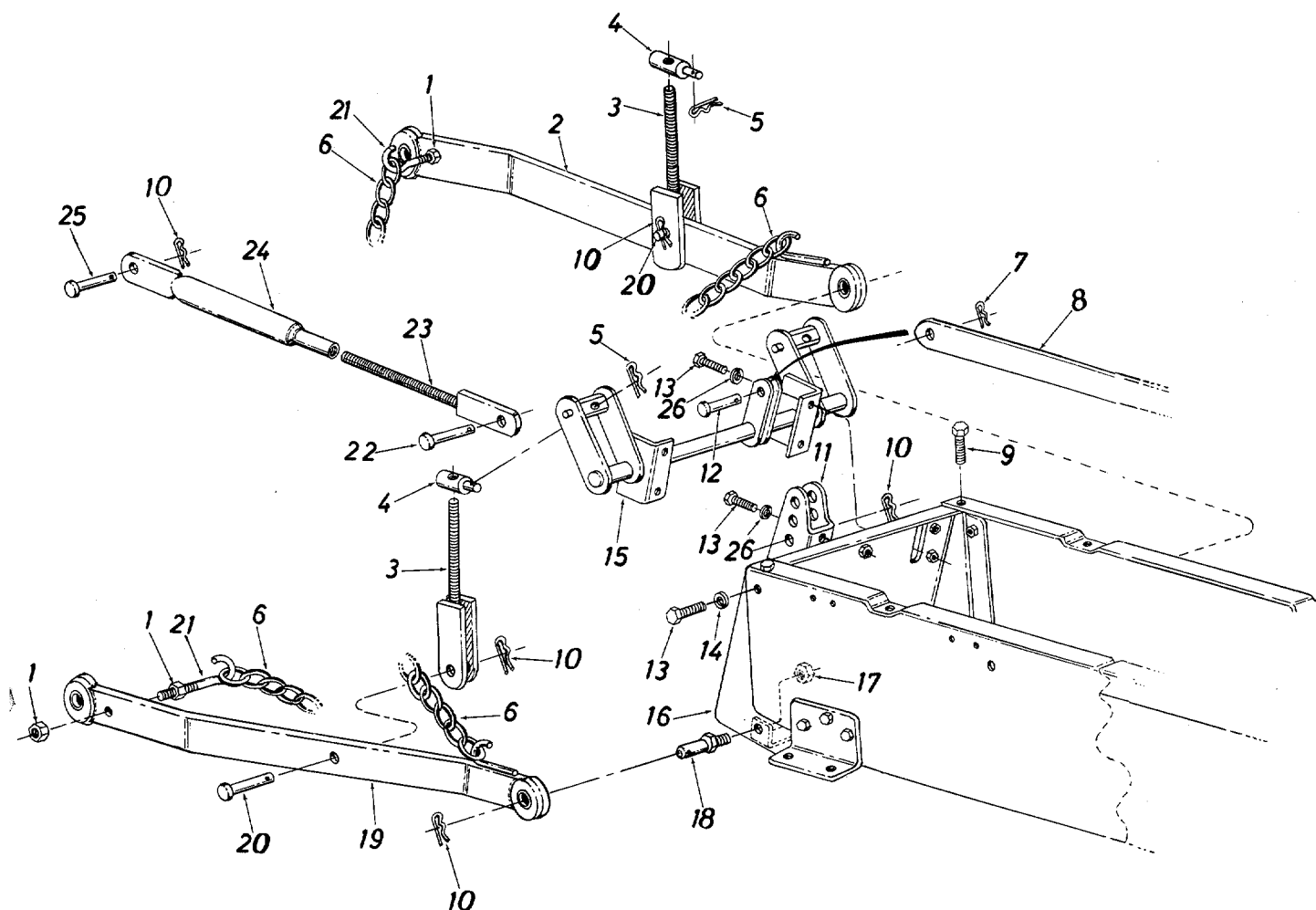
PEERLESS MODEL 2351

Check the Yellow Pages of your telephone directory under "Engines—Gasoline."

**"T" DRIVE HEAD MODEL NO. 3282-P91,
SERVICE NO. 794210**

REF. NO.	PART NO.	DESCRIPTION
1	PE-794210	Head Ass'y., T Drive (Includes 2 to 15)
2	PE-770047	Housing T Drive
3	PE-778043	Gear, Miter
4	PE-776173	Shaft, Input
5	PE-776173	Shaft, Output
6	PE-772035	Cover
7	PE-788023	Gasket, Cover
8	PE-780034	Bearing, Ball
9	PE-778069	Gear, Miter
10	PE-788019	Ring, Snap
11	PE-788013	Ring, Snap
12	PE-788029	Seal, Oil
13	PE-788030	Gasket, Cap
14	PE-792025	Scr., Rd. Hd. Self-Tap 10-24 x 1/2
15	PE-786029	Cap and Seal Ass'y. (Includes 16 and 17)
16	PE-788031	Seal, Oil
17	PE-792026	Scr., Hex Hd. 1/4-20 x 7/8

Model 951 (Three Point Hitch)



THREE POINT HITCH

PARTS LIST FOR MODEL 951 THREE POINT HITCH

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-0290		Hex Cent. L-Nut 7/16-14 Thd.		14	736-0217		L-Wash. 3/8" Scr. H.D.*	
2	13130		Draft Bar Ass'y.—L.H.		15	13135		Rear Lift Shaft Ass'y.	
3	13138		Clevis Screw Ass'y.		16	13196		Hitch Plate Ass'y.†	
4	711-0649		Clevis Pin		17	712-0923		Hex Cent. L-Nut 5/8-18 Thd.†	
5	714-0147		Hitch Pin Clip		18	711-0497		Link Clevis Pin†	
6	713-0148		Chain 20 Links		19	13129		Draft Bar Ass'y.—R.H.	
7	714-0470		Cotter Pin 1/8" Dia. x 1.25" Lg.*		20	711-0225		Clevis Pin .63 Dia. x 1.66" Lg.	
8	13709		Push Bar Ass'y.†		21	711-0639		Hitch Chain Hook	
9	710-0216		Hex Scr. 3/8-16 x .75" Lg.*		22	711-0299		Clevis Pin .63 Dia. x 2.4" Lg.	
10	714-0117		Hairpin Cotter		23	711-0636		Clevis Screw	
11	13026		Hitch Brkt.		24	749-0238		Clevis Tubing	
12	711-0654		Clevis Pin		25	711-0299		Clevis Pin .63 Dia. x 2.4" Lg.	
13	710-0216		Hex Scr. 3/8-16 x .75" Lg.*		26	736-0217		L-Wash. 3/8" Scr. H.D.	

†Not Part of Three Point Hitch Kit

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

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

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

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.

ALABAMA	BIRMINGHAM	
Auto Electric & Carburetor Co.	2625 4th Ave. S.	35233
ARKANSAS	NORTH LITTLE ROCK	
Sutton's Lawn Mower Shop	5301 Roundtop Drive	
	Box 368, Rt. 4	72117
CALIFORNIA	PORTERVILLE	
Billious	75 North D Street	93257
COLORADO	DENVER	
Spitzer Industrial Products Co.	6601 N.	
	Washington St.	80229
FLORIDA	JACKSONVILLE	
Radco Distributors	4909 Victor St.	
	Box 5459	32207
	HIALEAH	
Small Eng. Dist.	7995 W. 26th Court	33016
GEORGIA	EAST POINT	
East Point Cycle & Key	2834 Church St.	30344
ILLINOIS	LYONS	
Keen Edge Co.	8615 Ogden Ave.	60534
INDIANA	ELKHART	
Parts & Sales Inc.	2101 Industrial Pkwy.	46516
IOWA	DUBUQUE	
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001
LOUISIANA	NEW ORLEANS	
Suhren Engine Co.	8330 Earhart Blvd.	70118
MARYLAND	TAKOMA PARK	
Center Supply Co.	6867 New Hampshire Ave.	20912
MASSACHUSETTS	SPRINGFIELD	
Morton B. Collins Co.	300 Birnie Ave.	01107
MICHIGAN	LANSING	
Lorenz Service Co.	2500 S. Pennsylvania	48910
	MOUNT CLEMENS	
Power Equipment Dist.	340 Hubbard	48043
MINNESOTA	HOPKINS	
Hance Distributing Inc.	420 Excelsior Ave. W.	55343
MISSISSIPPI	BILOXI	
Biloxi Sales & Service, Inc.	506 Caillavet St.	39533
MISSOURI	KANSAS CITY	
Automotive Equip. Service	3117 Holmes St.	64109
	ST. JOSEPH	
Ross-Frazier Supply Co.	8th and Monterey	64503
	ST. LOUIS	
Henzler, Inc.	2015 Lemay Ferry Rd.	63125
NEW JERSEY	BELLMAR	
Lawnmower Parts Inc.	717 Creek Rd.	08030
NEW MEXICO	ALBUQUERQUE	
Spitzer Eng. & Parts	1023 Third Ave. N.W.	87103
NEW YORK	CARTHAGE	
Gamble Dist., Inc.	West End Ave.	13619

NORTH CAROLINA	GOLDSBORO	
Smith Hardware Co.	515 N. George St.	27530
	GREENSBORO	
Dixie Sales Company	335 N. Green	27402
OHIO	CARROLL	
Stebe's Mid-State Mower Supply	Box 366, 71 High St.	43112
	CLEVELAND	
Bleckrie, Inc.	7900 Lorain Ave.	44102
	WADSWORTH	
National Central	687 Seville Rd.	44281
	YOUNGSTOWN	
Burton Supply Co.	1301 Logan Ave.	
	Box 929	44501
OKLAHOMA	MUSKOGEE	
Victory Motors, Inc.	605 S. Cherokee	74401
OREGON	PORTLAND	
Kenton Supply Co.	8216 N. Denver Ave.	97217
PENNSYLVANIA	HARRISBURG	
EECO Inc.	4021 N. 6th St.	17110
	PHILADELPHIA	
Thompson Rubber Co.	5222-24 N. Fifth St.	19120
	PITTSBURGH	
Bluemont Co.	11125 Frankstown Rd.	15235
	PUNXSUTAWNEY	
Frank Roberts & Sons	R.D. 2	15767
	SCRANTON	
Scranton Auto Ignition Co.	1133-35 Wyoming Ave.	18509
TENNESSEE	KNOXVILLE	
Master Repair Service	2000 Western Ave.	3792
	MEMPHIS	
American Sales & Service, Inc.	3035-43 Bellbrook	38116
TEXAS	DALLAS	
Marr Brothers, Inc.	423 E. Jefferson	75203
	FORT WORTH	
Woodson Sales Corp.	1702 N. Sylvania	76111
	HOUSTON	
Bullard Supply Co.	2409 Commerce St.	77003
	SAN ANTONIO	
Engine House Inc.	8610 Botts Lane	
	P.O. Box 17867	78217
UTAH	BOUNTIFUL	
Powered Products	485 N 500 W.	84010
VIRGINIA	ASHLAND	
RBI Corp.	101 Cedar Ridge Dr.	23005
WASHINGTON	SEATTLE	
Equip. Northwest	1414 14th Ave.	98122
WISCONSIN	APPLETON	
Automotive Supply Co.	123 S. Linwood Ave.	
	P.O. Box 798	54911
	CHILTON	
Horst Dist.	444 N. Madison St.	53014

WARRANTY PARTS AND SERVICE POLICY

(1283)

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 over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer'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.