## Owner's Manual

# **CRAFTSMAN**°

## 20 HP ELECTRIC START 46" MOWER 6 SPEED GARDEN TRACTOR

Model No. 917.272953





- Assembly
- Operation
- Maintenance
- Repair Parts



This product has a low emission engine which operates differently from previously built engines. Before you start the engine, read and understand this Owner's Manual.

## CAUTION:

Read and follow all Safety Rules and Instructions before operating this equipment. For answers to your questions about this product, Call: 1-800-659-5917 Sears Craftsman Help Line 5 am - 5 pm, Mon - Sat

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## WARRANTY

LIMITED TWO YEAR WARRANTY ON CRAFTSMAN RIDING EQUIPMENT PARTS

For two (2) years from the date of purchase, if this Craftsman Riding Equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace, free of charge, any parts found to be defective in material or workmanship. Warranty service is available free of charge by taking your Craftsman riding equipment to your nearest Sears Service Center. In-home warranty service is available but a trip charge will apply. This warranty applies only while this product is in the United States.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as blades, spark plugs, air cleaners, belts and oil filters.
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, including but not limited to, damage caused by towing objects beyond the capability of the riding equipment, impacting objects that bend the frame or crankshaft, or over speeding the engine.
- Repairs necessary because of operator negligence, including but not limited to, electrical and mechanical damage caused by improper storage, failure to use the proper grade and amount of engine oil, failure to keep the deck clear of flammable debris, or the failure to maintain the equipment according to the instructions contained in the owner's manual.
- Engine (fuel system) cleaning or repairs caused by fuel determined to be contaminated or oxidized (stale). In general, fuel should be used within thirty (30) days of its purchase date.
- · Riding equipment used for commercial or rental purposes.

#### LIMITED 90 DAY WARRANTY ON BATTERY

For ninety (90) days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge. Warranty service is available free of charge by taking your Craftsman riding equipment to your nearest Sears Service Center. In-home warranty service is available but a trip charge will apply. This warranty applies only while this product is in the United States.

## TO LOCATE THE NEAREST SEARS SERVICE CENTER OR TO SCHEDULE IN-HOME WARRANTY SERVICE, SIMPLY CONTACT SEARS AT 1-800-4-MY-HOME

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

Sears, Roebuck and Co., D/817 WA, Hoffman Estates, IL 60179

## SAFETY RULES

**IMPORTANT:** This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

### I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.
- Šlow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
  Stop engine before removing grass patcher or unclearing third.
- catcher or unclogging chute.Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.
- Data indicates that operators, age 60 years and above, are involved in a large percentage of riding mowerrelated injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.

#### **II. SLOPE OPERATION**

Slopes are a major factor related to loss-ofcontrol and tipover accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

#### DO:

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

#### DO NOT:

- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- Do not mow near drop-offs, ditches, or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- Do not mow on wet grass. Reduced traction could cause sliding.
- Do not try to stabilize the machine by putting your foot on the ground.
- Do not use grass catcher on steep slopes.

## SAFETY RULES

#### **III. CHILDREN**

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never* assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

#### **IV. SERVICE**

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
  - -Use only an approved container.
  - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
  - -Never refuel the machine indoors.

 Never store the machine or fuel container inside where there is an open flame, such as a water heater.

- Never run a machine inside a closed area.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.



- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers or children even with the blades off.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Keep children out of the mowing area and under the watchful care of another responsible adult.

- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Mow up and down slopes (15° Max), not across.
- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. Tall grass can hide obstacles.

## SAFETY RULES

- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.
- If machine stops while going uphill, disengage blades, shift into reverse and back down slowly.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

Look for this symbol to point out important safety precautions. It means CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

**CAUTION:** In order to prevent accidental starting when setting up, transporting, adjusting or making repairs, always disconnect spark plug wire and place wire where it cannot contact spark plug.

**CAUTION:** Do not coast down a hill in neutral, you may lose control of the tractor. **CAUTION:** Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Operate only at the lowest possible speed when on a slope. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

**WARNING:** Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

#### **PRODUCT SPECIFICATIONS**

	UNLEADE	D
AND TYPE:	REGULAR	
OILTYPE	SAE 10W3	0
(API-SF-SJ):	(ABOVE 32	
	SAE 5W-30	-
	(BELOW 3	·
OIL CAPACITY:	W/FILTER:	4.2PINTS
	W/O FILTE	R: 3.7PINTS
SPARK PLUG:		N
(GAP: .030")	RC12YC	
GROUND SPEE	D LO:	HI:
(MPH):	0.7	1.7
	1.4	3.3
	2.3	5.4
REVERS	E: 0.9	2.1
TIRE	FRONT:	14 PSI
PRESSURE:	REAR:	10 PSI
CHARGING SYSTEM:	15AMPS	3600RPM
BATTERY:	AMP/HB:	35
	MIN. CCA:	
	CASE SIZI	
BLADE BOLT	27-35 FT. l	BS
TORQUE:		

**CONGRATULATIONS** on your purchase of a new tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any problem you cannot easily remedy, please contact a Sears or other qualified service center. We have competent, well-trained technicians and the proper tools to service or repair this tractor.

Please read and retain this manual. The instructions will enable you to assemble and maintain your tractor properly. Always observe the "SAFETY RULES".

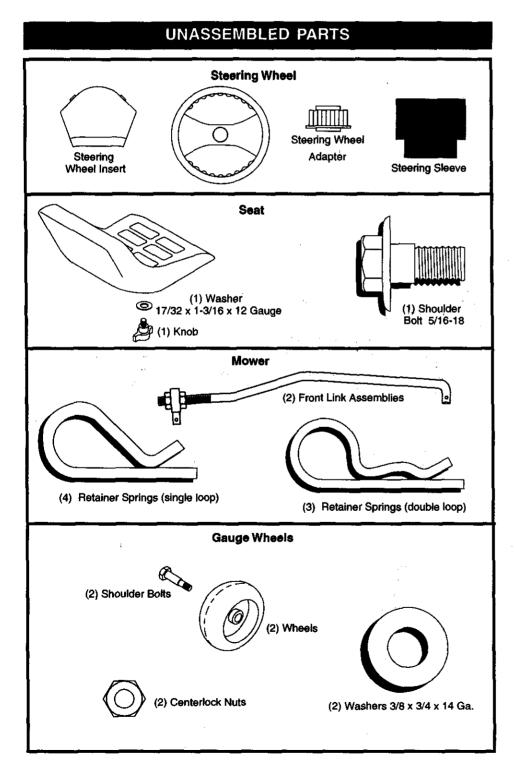
#### **REPAIR AGREEMENT**

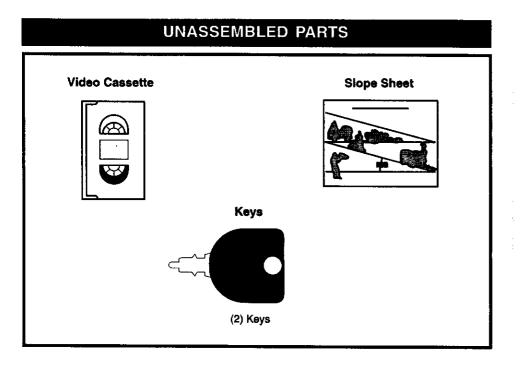
A Repair Agreement is available on this product. Contact your nearest Sears store for details.

#### **CUSTOMER RESPONSIBILITIES**

- · Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your tractor.
- Follow the instructions under "Maintenance" and "Storage" sections of this owner's manual.

**WARNING:** This tractor is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brushcovered 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 for the muffler is available through your nearest Sears service center (See REPAIR PARTS section of this manual).





## ASSEMBLY

Your new tractor has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure proper tightness.

#### TOOLS REQUIRED FOR ASSEMBLY

A socket wrench set will make assembly easier. Standard wrench sizes you need are listed below.

- (1) 9/16" wrench
  - rench (1) Pliers ench (1) Utility knife
- (1) 1/2" wrench (1) 3/4" socket with
- drive ratchet

(1) Tire pressure gauge When right or left hand is mentioned in this manual, it means, from your point of view, when you are in the operating position (seated behind the steering wheel).

#### TO REMOVE TRACTOR FROM CARTON

#### **UNPACK CARTON**

- 1. Remove all accessible loose parts and parts cartons from carton.
- 2. Cut, from top to bottom, along lines on all four corners of carton, and lay panels flat.
- 3. Remove mower and packing materials.
- 4. Check for any additional loose parts or cartons and remove.

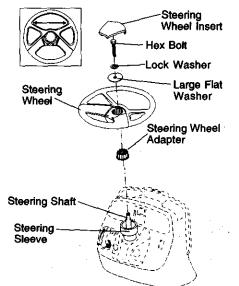
## ASSEMBLY

#### BEFORE REMOVING TRACTOR FROM SKID

#### ATTACH STEERING WHEEL

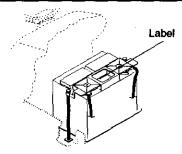
- 1. Remove hex bolt, lock washer and large flat washer from steering shaft.
- 2. Position front wheels of the tractor so they are pointing straight forward.
- 3. Slide the steering sleeve over the steering shaft.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto steering wheel adapter.
- Secure steering wheel to steering shaft with hex bolt, lock washer and large flat washer previously removed. Tighten securely.
- 6. Snap steering wheel insert into center of steering wheel.
- 7. Remove protective materials from tractor hood and grill.

**IMPORTANT:** Check for and remove any staples in skid that may puncture tires where tractor is to roll off skid.



### HOW TO SET UP YOUR TRACTOR CHECK BATTERY

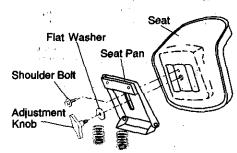
1. Lift hood to raised position. **NOTE:** If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps. (See "BATTERY" in Maintenance section of this manual for charging instructions).



#### INSTALL SEAT

Adjust seat before tightening adjustment knob.

- Remove adjustment knob and flat washer securing seat to cardboard packing and set aside for assembly of seat to tractor.
- Pivot seat upward and remove from the cardboard packing. Remove the cardboard packing and discard.
- Place seat on seat pan and assemble shoulder bolt. Tighten shoulder bolt securely.
- 4. Assemble adjustment knob and flat washer loosely. Do not tighten.
- 5. Lower seat into operating position and sit on seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- 7. Get off seat without moving its adjusted position.
- 8. Raise seat and tighten adjustment knob securely.



**NOTE:** You may now roll or drive your tractor off the skid. Follow the appropriate instruction below to remove the tractor from the skid.

#### TO ROLL TRACTOR OFF SKID (See Operation section for location and function of controls)

- 1. Press lift lever plunger and raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- 3. Place gearshift lever in neutral (N) position.
- 4. Roll tractor forward off skid.

#### TO DRIVE TRACTOR OFF SKID (See Operation section for location and function of controls)

**WARNING:** Before starting, read, understand and follow all instructions in the Operation section of this manual. Be sure tractor is in a well-ventilated area. Be sure the area in front of tractor is clear of other people and objects.

- 1. Be sure all the above assembly steps have been completed.
- 2. Check engine oil level and fill fuel tank with gasoline.
- Sit on seat in operating position, depress clutch/brake pedal and set the parking brake.
- Place gear shift lever in neutral (N) position.
- Press lift lever plunger and raise attachment lift lever to its highest position.
- Start the engine. After engine has started, move throttle control to idle position.
- Depress clutch/brake pedal into full "BRAKE" position and hold. Move gearshift lever to 1st gear.
   Slowly release clutch/brake pedal and
- 8. Slowly release clutch/brake pedal and slowly drive tractor off skid.
- Apply brake to stop tractor, set parking brake and place gearshift lever in neutral position.

10. Turn ignition key to "OFF" position. Continue with the instructions that follow.

#### INSTALL MOWER AND DRIVE BELT

Be sure tractor is on level surface and mower suspension arms are raised with attachment lift control. Engage parking brake.

- Cut and remove ties securing antisway bar and belts. Swing anti-sway bar to left side of mower deck.
- 2. Slide mower under tractor with
- deflector sheild to right side of tractor. IMPORTANT: Check belt for proper

routing in all mower pulley grooves. Install belt into electric clutch pulley groove.

- 3. Install one front link in top hole of the R.H. front mower bracket and R.H. front suspension bracket. Retain with two single loop retainer springs as shown.
- Install second front link in L.H. front suspension bracket only and retain with single loop retainer spring as shown.
- 5. Turn height adjustment knob counterclockwise until it stops.
- 6. Lower mower linkage with attachment lift control.
- Place the L.H. suspension arm on inward pointing deck pin. If necessary, rock and raise front of mower to align deck pin with the hole in suspension arm. Retain with double loop retainer spring with loops down as shown.
- Slide left side of mower back and install the unattached front link in top hole of the L.H. front mower bracket. Retain with single loop retainer spring as shown.
- Place the R.H. suspension arm on inward pointing deck pin. If necessary, rock and raise front of mower to align deck pin with the hole in suspension arm. Retain with double loop retainer spring with loops down as shown.
- 10. Connect anti-sway bar to chassis bracket under left footrest and retain with double loop retainer spring.
- Turn height adjustment knob clockwise to remove slack from mower suspension.
- 12. Raise mower to highest position.
- Assemble gauge wheels (See "TO ADJUST GAUGE WHEELS" in the Operation section of this manual).

#### CHECK TIRE PRESSURE

The tires on your tractor were overinflated at the factory for shipping purposes. Correct tire pressure is important for best cutting performance.

 Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" section of this manual.

## CHECK MOWER LEVELNESS

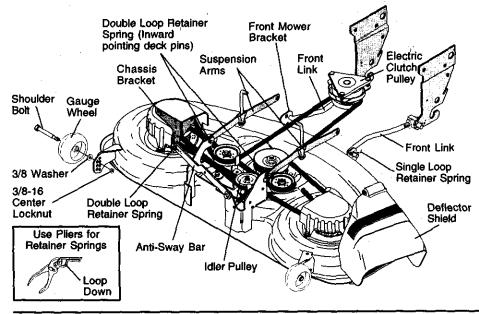
For best cutting results, mower should be properly leveled. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.

#### CHECK FOR PROPER POSITION OF ALL BELTS

See the figures that are shown for replacing motion, mower drive, and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly.

#### CHECK BRAKE SYSTEM

After you learn how to operate your tractor, check to see that the brake is properly adjusted. See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual.



#### ✓ CHECKLIST

Before you operate and enjoy your new tractor, we wish to assure that you receive the best performance and satisfaction from this quality product.

- Please review the following checklist: All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- Battery is properly prepared and charged.(Minimum 1 hour at 6 amps).
- Seat is adjusted comfortably and tightened securely.
- All tires are properly inflated. (For shipping purposes, the tires were overinflated at the factory).
- Be sure mower deck is properly leveled side-to-side/front-to-rear for best cutting results. (Tires must be properly inflated for leveling).

Check mower and drive belts. Be sure 11

they are routed properly around pulleys and inside all belt keepers.

 Check wiring. See that all connections are still secure and wires are properly clamped.

While learning how to use your tractor, pay extra attention to the following important items:

- ✓ Éngine oil is at proper level.
- Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- Become familiar with all controls their location and function. Operate them before you start the engine.
- Be sure brake system is in safe operating condition.

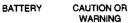
## **OPERATION**

These symbols may appear on your tractor or in literature supplied with the product. Learn and understand their meaning.











ENGINE ON



ENGINE OFF

CHOKE



TI I

OIL PRESSURE



÷

FORWARD

LIGHTS ON

1

LOCKED

OVER TEMP LIGHT





UNLOCKED MOWER HEIGHT PARKING BRAKE

MOWER LIFT



ATTACHMENT

CLUTCH ENGAGED

FUEL







PARKING BRAKE

P





IGNITION



DANGER, KEEP HANDS AND FEET AWAY



HIGH

KEEP AREA CLEAR



SLOPE HAZARDS (SEE SAFETY RULES SECTION)



(Automatic Models only)





SLOW









E

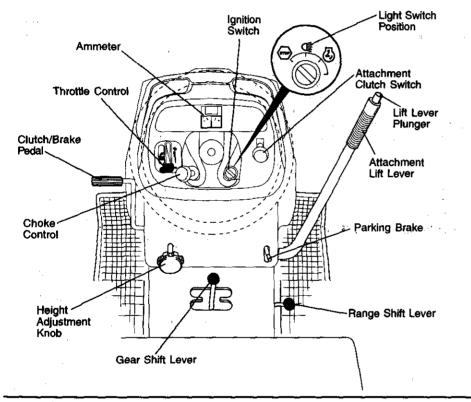
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#### KNOW YOUR TRACTOR READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TRACTOR

Compare the illustrations with your tractor to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.



Our tractors conform to the safety standards of the American National Standards Institute.

ATTACHMENT CLUTCH SWITCH: Used to engage the mower blades, or other attachments mounted to your tractor. LIGHT SWITCH: Turns the headlights on and off.

THROTTLE CONTROL: Used to control engine speed. CLUTCH/BRAKE PEDAL: Used for

CLUTCH/BRAKE PEDAL: Used for declutching and braking the tractor and starting the engine. CHOKE CONTROL: Used when starting a

CHOKE CONTROL: Used when starting a cold engine. HEIGHT ADJUSTMENT KNOB: Used to

HEIGHT ADJUSTMENT KNOB: Used to adjust the mower cutting height. GEARSHIFT LEVER: Selects the speed and direction of the tractor. **RANGESHIFT LEVER**: Allows high (H) and low (L) speed for all forward and reverse gears.

ATTACHMENT LIFT LEVER: Used to raise and lower the mower deck or other attachments mounted to your tractor. LIFT LEVER PLUNGER: Used to release

attachment lift lever when changing its position.

**IGNITION SWITCH:** Used for starting and stopping the engine.

AMMETER: Indicates battery charging (+) or discharging (-). PARKING BRAKE: Locks clutch/brake

PARKING BRAKE: Locks clutch/brake into the brake position.

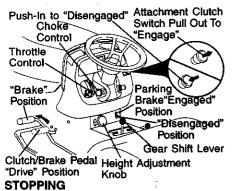


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety glasses.

#### HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE

Your tractor is equipped with an operator presence sensing switch. When engine is running, any attempt by the operator to leave the seat without first setting the parking brake will shut off the engine.

- 1. Depress clutch/brake pedal into full "BRAKE" position and hold.
- Place parking brake lever in "EN-GAGED" position and release pressure from clutch/brake pedal. Pedal should remain in "BRAKE" position. Make sure parking brake will hold tractor secure.



#### **MOWER BLADES -**

 To stop mower blades,move attachment clutch switch to "DISENGAGED" position.

**GROUND DRIVE -**

- To stop ground drive, depress clutch/ brake pedal into full "BRAKE" position.
- Move gearshift lever to neutral (N) position.

ENGINE -

 Move throttle control to slow position.
 NOTE: Failure to move throttle control to slow position and allowing engine to idle before stopping may cause engine to "backfire".

- Turn ignition key to "OFF" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.
- Never use choke to stop engine.

**IMPORTANT:** Leaving the ignition switch in any position other than "OFF" will cause the battery to be discharged, (dead).

**NOTE:** Under certain conditions when tractor is standing idle with the engine running, hot engine exhaust gases may cause "browning" of grass. To eliminate this possibility, always stop engine when stopping tractor on grass areas.

**CAUTION:** Always stop tractor completely, as described above, before leaving the operator's position; to empty grass catcher, etc.

#### **THROTTLE CONTROL**

Always operate engine at full throttle.

- Operating engine at less than full throttle reduces the battery charging rate.
- Full throttle offers the best bagging and mower performance.

#### CHOKE CONTROL

Use choke control whenever you are starting a cold engine. Do not use to start a warm engine.

 To engage choke control, pull knob out. Slowly push knob in to disengage.

#### TO MOVE FORWARD AND BACKWARD

The direction and speed of movement is controlled by the gearshift lever.

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.
- Move gearshift and range shift levers to desired position.
- 3. Slowly release clutch/brake pedal to start movement.

**IMPORTANT:** Bring tractor to a complete stop before shifting or changing gears. Failure to do so will shorten the useful life of your transaxle.

#### TO ADJUST MOWER CUTTING HEIGHT

The cutting height is controlled by turning the height adjustment knob in desired direction.

- Turn knob clockwise ( ( ) to raise cutting height.
- Turn knob counterclockwise () to 14 lower cutting height.

The cutting height range is approximately 1-1/2" to 4-1/2". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

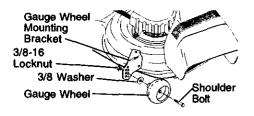
- The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first cut relatively high; the second to desired height.

#### TO ADJUST GAUGE WHEELS

Gauge wheels are properly adjusted when they are slightly off the ground when mower is at the desired cutting height in operating position. Gauge wheels then keep the deck in proper position to help prevent scalping in most terrain conditions.

NOTE: Adjust gauge wheels with tractor on a flat level surface.

- Adjust mower to desired cutting height (See "TO ADJUST MOWER CUTTING HEIGHT" in the Operation section of this manual).
- 2. With mower in desired height of cut position, gauge wheels should be assembled so they are slightly off the ground. Install gauge wheel in appropriate hole with shoulder bolt, 3/8 washer, and 3/8-16 locknut and tighten securely.
- Repeat for opposite side installing gauge wheel in same adjustment hole.



#### TO OPERATE MOWER

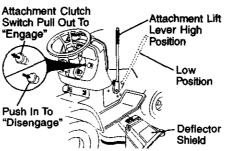
Your tractor is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine.

- 1. Select desired height of cut.
- Lower mower with attachment lift control.
- 3. Start mower blades by engaging attachment clutch control.

TO STOP MOWER BLADES -

disengage attachment clutch control.

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



## TO OPERATE ON HILLS

**CAUTION:** Do not drive up or down hills with slopes greater than 15° and do not drive across any slope. Use the slope guide provided at the back of this manual.

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to 1st gear and range shift lever to low (L) position. Be sure you have allowed room for tractor to roll slightly as you restart movement.
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

#### **TO TRANSPORT**

- Raise attachment lift to highest position with attachment lift control.
- When pushing or towing your tractor, be sure gearshift lever is in neutral (N) position.
- Do not push or tow tractor at more than five (5) MPH.

**NOTE:** To protect hood from damage when transporting your tractor on a truck or a trailer, be sure hood is closed and secured to tractor. Use an appropriate means of tying hood to tractor (rope, cord,

#### TOWING CARTS AND OTHER AT-TACHMENTS

Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

#### BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL

The engine in your tractor has been shipped, from the factory, already filled with summer weight oil.

- Check engine oil with tractor on level ground.
- Řemove oil fill cap/dipstick and wipe clean, reinsert the dipstick and push it all the way down into the tube, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (See "OIL VISCOSITY CHART" in the Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

#### ADD GASOLINE

 Fill fuel tank. Use fresh, clean, regular unleaded gasoline with a minimum of 87 octane. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

IMPORTANT: When operating in temperatures below 32°F(0°C), use fresh, clean winter grade gasoline to help insure good cold weather starting. **AWARNING:** Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

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

#### TO START ENGINE

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

- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- 2. Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISEN-GAGED" position.
- 4. Move throttle control to fast position
- 5. Pull choke control out for a cold engine start attempt. For a warm engine start attempt the choke control may not be needed.

NOTE: Before starting, read the warm and cold starting procedures below.

 Insert key into ignition and turn key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If the engine does not start after several attempts, push choke control in, wait a few minutes and try again. If engine still does not start, pull the choke control out and retry.

WARM WEATHER STARTING (50° F and above)

- When engine starts, slowly push choke control in until the engine begins to run smoothly. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly.
- The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above.

COLD WEATHER STARTING (50° F and below)

7. When engine starts, slowly push choke control in until the engine begins to run smoothly. Continue to push the choke control in small steps allowing the engine to accept small changes in speed and load, until the choke control is fully in. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.

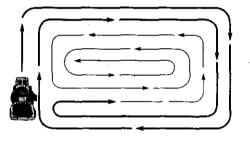
 The attachments can be used during the engine warm-up period and may require the choke control be pulled out slightly.

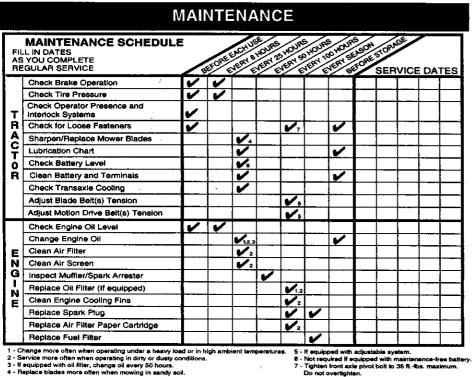
NOTE: If at a high altitude (above 3000 feet) or in cold temperatures (below 32 F) the carburetor fuel mixture may need to be adjusted for best engine performance. See "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual.

#### **MOWING TIPS**

- Tire chains cannot be used when the mower housing is attached to tractor.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- Use the runner on the right side of the mower as a guide. The blade cuts approximately an inch outside the runner.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the tractor. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished.
- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.

- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.





#### **GENERAL RECOMMENDATIONS**

The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual. Some adjustments will need to be made periodically to properly maintain your tractor.

All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

Once a year you should replace the spark plug, clean or replace air filter, and check blades and belts for wear. A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer.

#### **BEFORE EACH USE**

- 1. Check engine oil level.
- 2. Check brake operation.
- 3. Check tire pressure.
- Check operator presence and 4. interlock systems for proper operation.

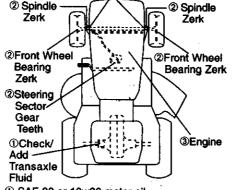
1.

5. Check for loose fasteners.

5 6 7 Not required if equipped with maintenance-free battery. Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not over







- ① SAE 30 or 10w30 motor oil
- 2 General Purpose Grease
- ③ Refer to Maintenance "ENGINE" Section
   ④ Spray silicone lubriant (Move Boots to
  - Lubricate)

IMPORTANT: Do not oil or grease the pivot points which have special nylon bearings. Viscous lubricants will attract dust and dirt that will shorten the life of the self-lubricating bearings. If you feel they must be lubricated, use only a dry, powdered graphite type lubricant sparingly.

#### TRACTOR

# Always observe safety rules when performing any maintenance. BRAKE OPERATION

If tractor requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted. (See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual).

#### TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" section of this manual).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

**NOTE:** To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.

## **OPERATOR PRESENCE SYSTEM**

Be sure operator presence and interlock systems are working properly. If your tractor does not function as described, repair the problem immediately.

- The engine should not start unless the clutch/brake pedal is fully depressed and attachement clutch control is in the disengaged position.
- When the engine is running, any attempt by the operator to leave the seat without first setting the parking brake should shut off the engine.
- When the engine is running and the attachment clutch is engaged, any attempt by the operator to leave the seat should shut off the engine.
- The attachment clutch should never operate unless the operator is in the seat.

#### **BLADE CARE**

For best results mower blades must be kept sharp. Replace bent or damaged blades.

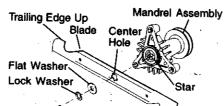
#### BLADE REMOVAL

- 1. Raise mower to highest position to allow access to blades.
- 2. Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.

**IMPORTANT:** To ensure proper assembly, center hole in blade must align with star on mandrel assembly.

- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- 5. Tighten bolt securely (27-35 Ft. Lbs. torque).

**IMPORTANT:** Blade bolt is grade 8 heat treated.



Hex Bolt (Grade)\*

\*A Grade 8 heat treated bolt can be identified by six lines on the bolt head.

### **TO SHARPEN BLADE**

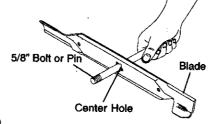
**NOTE:** We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer.)

**NOTE:** Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not.

 Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.



#### BATTERY

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

- Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep small vent holes open.

Recharge at 6-10 amperes for 1 hour. NOTE: The original equipment battery on your tractor is maintenance free. Do not attempt to open or remove caps or covers. Adding or checking level of electrolyte is not necessary.

#### TO CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- 1.
- Remove terminal guard. Disconnect BLACK battery cable first 2. then RED battery cable and remove battery from tractor.
- 3. Rinse the battery with plain water and dry.
- 4. Clean terminals and battery cable ends with wire brush until bright.
- Coat terminals with grease or petro-5. leum jelly.
- Reinstall battery (See "REPLACING 6. BATTERY" in the SERVICE AND ADJUSTMENTS section of this manual).

#### **V-BELTS**

Check V-belts for deterioration and wear after 100 hours of operation and replace if necessary. The belts are not adjustable. Replace belts if they begin to slip from wear.

#### **TRANSAXLE COOLING**

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

#### CHECK TRANSAXLE OIL LEVEL

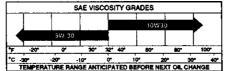
- 1. Block up rear axle securely.
- Remove left rear wheel by removing 2. hub bolts.
- Remove filler plug from transaxle. Oil 3. level must be even with plug threads. If necessary, fill with SAE 30 motor oil, API SF, SG or SH. Replace filler plug.
- Reassemble wheel to hub.



Transaxle Filler Plug

#### ENGINE LUBRICATION

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



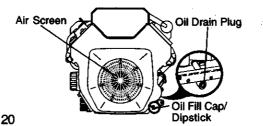
Change the oil after every 50 hours of operation or at least once a year if the tractor is not used for 50 hours in one year.

Check the crankcase oil level before starting the engine and after each eight (8) hours of operation. Tighten oil fill cap/ dipstick securely each time you check the oil level.

#### TO CHANGE ENGINE OIL

Determine temperature range expected before oil change. All oil must meet API service classification SF-SJ.

- Be sure tractor is on level surface.
- Oil will drain more freely when warm.
- · Catch oil in a suitable container.
- 1. Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove drain plug.
- 3. After oil has drained completely, replace oil drain plug and tighten securely.
- 4. Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PRODUCT SPECIFICATIONS" section of this manual.
- 5. Use gauge on oil fill cap/dipstick for checking level. Insert dipstick into the tube and rest the oil fill cap on the tube. Do not thread the cap onto the tube when taking reading. Keep oil at "FULL" line on dipstick. Tighten cap onto the tube securely when finished.



#### CLEAN AIR SCREEN

Air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

#### **CLEAN AIR INTAKE/COOLING AREAS**

To insure proper cooling, make sure the grass screen, cooling fins, and other external surfaces of the engine are kept clean at all times.

Every 100 hours of operation (more often under extremely dusty, dirty conditions), remove the blower housing and other cooling shrouds. Clean the cooling fins and external surfaces as necessary. Make sure the cooling shrouds are reinstalled.

**NOTE:** Operating the engine with a blocked grass screen, dirty or plugged cooling fins, and/or cooling shrouds removed will cause engine damage due to overheating.

#### **AIR FILTER**

Your engine will not run properly using a dirty air filter. Clean the foam pre-cleaner after every 25 hours of operation or every season. Service paper cartridge every 100 hours of operation or every season, whichever occurs first.

Service air cleaner more often under dusty conditions.

1. Loosen knob and remove cover.

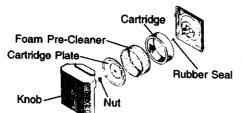
- TO SERVICE PRE-CLEANER
- 2. Slide foam pre-cleaner off cartridge.
- Wash it in liquid detergent and water.
   Squeeze it dry in a clean cloth. Allow
- it to dry.
- Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.

#### TO SERVICE CARTRIDGE

• Replace a dirty, bent, or damaged cartridge.

NOTE: Do not wash the paper cartridge or use pressurized air, as this will damage the cartridge.

- Remove nut and cartridge plate.
- 7. Reinstall the pre-cleaner (cleaned
- and oiled) over the paper cartridge. 8. Check rubber seal for damage and
- proper position around stud. Replace if necessary.
- 9. Reassemble air cleaner, cartridge plate, and nut.
- 10. Reinstall air cleaner cover and secure by tightening knob.



#### **ENGINE OIL FILTER**

Replace the engine oil filter every season or every other oil change if the tractor is used more than 100 hours in one year.

#### MUFFLER

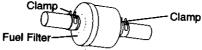
Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage. SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" section of this manual.

#### **IN-LINE FUEL FILTER**

The fuel filter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required.

- With engine cool, remove filter and plug fuel line sections.
   Place new fuel filter in position in fuel
- Place new fuel filter in position in fue line with arrow pointing towards carburetor.
- 3. Be sure there are no fuel line leaks and clamps are property positioned.
- Immediately wipe up any spilled gasoline.



#### CLEANING

- Clean engine, battery, seat, finish, etc. of all foreign matter.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- Protect painted surfaces with automotive type wax.

We do not recommend using a garden hose to clean your tractor unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life.

## SERVICE AND ADJUSTMENTS

#### CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- 1. Depress clutch/brake pedal fully and set parking brake.
- 2. Place gearshift lever in neutral (N) position.
- 3. Place attachment clutch in "DISENGAGED" position.
- 4. Turn ignition key "OFF" and remove key.
- 5. Make sure the blades and all moving parts have completely stopped.
- 6. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

#### TRACTOR

#### TO REMOVE MOWER

- 1. Place attachment clutch in "DISEN-GAGED" position.
- 2. Turn height adjustment knob to lowest setting.
- 3. Lower mower to its lowest position.
- Remove retainer spring holding antiswaybar to chassis bracket and disengage anti-swaybar from bracket.
- 5. Remove retainer springs from suspension arms at deck and disengage arms from deck.
- 6. Raise attachment lift to its highest position.
- 7. Remove two retainer springs from each front link and remove links.
- 8. Slide mower forward and remove belt from electric clutch pulley.
- Slide mower out from under right side of tractor.

IMPORTANT: If an attachment other than the mower deck is to be mounted on the tractor, remove the front links. TO INSTALL MOWER

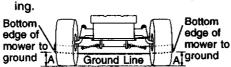
Follow procedure described in "INSTALL MOWER AND DRIVE BELT" in the Assembly section of this manual.

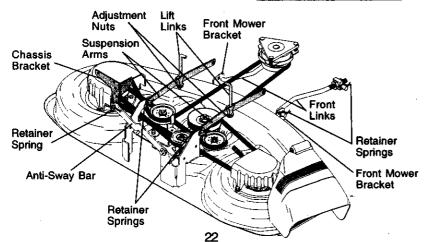
#### TO LEVEL MOWER HOUSING

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PROD-UCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT

- · Raise mower to its highest position.
- Measure height from bottom edge of mower to ground level at front corners of mower. Distance "A" on both sides of mower should be the same.
- If adjustment is necessary, make adjustment on one side of mower only.
- To raise one side of mower, tighten lift link adjustment nut on that side.
- To lower one side of mower, loosen lift link adjustment nut on that side.
- NOTE: Each full turn of adjustment nut will change mower height about 3/16".
- Recheck measurements after adjust-





#### FRONT-TO-BACK ADJUSTMENT

IMPORTANT: Deck must be level side-toside. If the following front-to-back adjustment is necessary, be sure to adjust both front links equally so mower will stay level side-to-side.

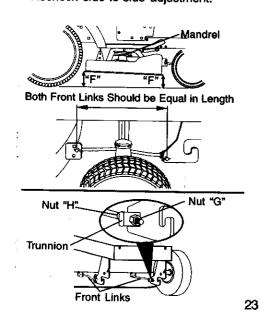
To obtain the best cutting results, the mower housing should be adjusted so the front is approximately 1/8" to 1/2" lower than the rear when the mower is in its highest position.

Check adjustment on right side of tractor. Measure distance "F" directly in front of and behind the mandrel at bottom edge of mower housing as shown.

- · Before making any necessary adjustments, check that both front links are equal in length.
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower housing, loosen nut "G" on both front links an equal number of turns.
- When distance "F" is 1/8" to 1/2" lower at front than rear, tighten nut "H' against trunnion on both front links.
- To raise front of mower housing, loosen nut "H" from trunnion on both front links. Tighten nut "G" on both front links an equal number of turns.
- When distance "F" is 1/8" to 1/2" lower at front than rear, tighten nut "H" against trunnion on both front links.

NOTE: Each full turn of nut "G" will change dim. "F" by approximately 3/8".

Recheck side-to-side adjustment.



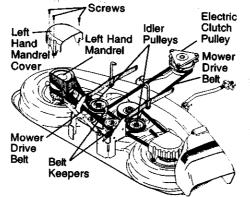
#### TO REPLACE MOWER DRIVE BELT

MOWER DRIVE BELT REMOVAL

- Park tractor on a level surface. 1. Engage parking brake.
- Remove screws from L.H. mandrel 2 cover and remove cover.
- 3. Roll belt over the top of L.H. mandre! pulley.
- 4. Remove belt from electric clutch pulley.
- Remove belt from idler pulleys. 5.
- 6 Remove any dirt or grass clippings which may have accumulated around mandrels and entire upper deck surface.
- 7. Check primary idler arm and two idlers to see that they rotate freely.
- 8. Be sure spring is securely hooked to primary idler arm and bolt in mower housing.

MOWER DRIVE BELT INSTALLATION

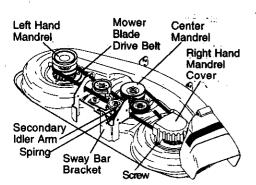
- 9 Install belt in both idters. Make sure belt is in both belt keepers at the idlers as shown.
- 10. Install new belt onto electric clutch pulley. 11. Roll belt into upper groove of L.H.
- mandrel pulley.
- 12. Carefully check belt routing making sure belt is in the grooves correctly and inside belt keepers.
- 13. Reassemble L.H. mandrel cover,



#### TO REPLACE MOWER BLADE DRIVE BELT

Park the tractor on level surface. Engage parking brake.

- Remove mower drive belt (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual).
- Remove mower (See "TO REMOVE MOWER" in this section of this manual).
- 3. Remove screws from R.H. mandrel cover and remove cover. Unhook spring from bolt on mower housing.
- 4. Carefully roll belt off R.H. mandrel pulley.
- Remove belt from center mandrel pulley, idler pulley, and L.H. mandrel pulley.
- Remove any dirt or grass which may have accumulated around mandrels and entire upper deck surface.
- 7. Check secondary idler arm and idler to see that they rotate freely.
- 8. Be sure spring is hooked in secondary idler arm and sway-bar bracket.
- Install new belt in lower groove of L.H. mandrel pulley, idler pulley, and center mandrel pulley as shown.
- 10. Roll belt over R.H. mandrel pulley. Make sure belt is in all grooves properly.
- Reconnect spring to bolt in mower housing and reinstall R.H. mandrel cover.
- 12. Reinstall mower to tractor (See "INSTALL MOWER AND DRIVE BELT" in the Assembly section of this manual).
- Reassemble mower drive belt (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual).

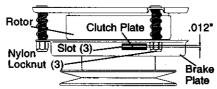


#### TO ADJUST ATTACHMENT CLUTCH

The electric clutch should provide years of service. The clutch has a built-in brake that stops the pulley within 5 seconds. Eventually, the internal brake will wear which may cause the mower blades to not engage, or, to not stop as required. Adjustments should be made by your nearest Sears or other qualified service center.

- 1. Make sure attachment clutch and ignition switches are in "OFF" position.
- Adjust the three nylon locknuts until space between clutch plate and rotor measures .012" at all three slot

locations cut in the side of brake plate. **NOTE:** After installing a new electric clutch, run tractor at full throttle and engage and disengage electric clutch 10 cycles to wear in clutch plate.

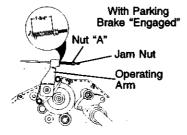


#### **TO ADJUST BRAKE**

Your tractor is equipped with an adjustable brake system which is mounted on the left side of the transaxle.

If tractor requires more than six (6) feet stopping distance at high speed in highest gear on a level dry concrete or paved surface, then brake must be adjusted.

- 1. Depress clutch/brake pedal and engage parking brake.
- 2. Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-3/4", loosen jam nut and tum nut "A" until distance becomes 1-3/4". Retighten jam nut against nut "A".
- Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest Sears or other qualified service center.



#### TO REPLACE MOTION DRIVE BELT

Park the tractor on level surface. Engage parking brake. For ease of service there is a belt installation guide decal on bottom of left footrest. It is not necessary to remove mower.

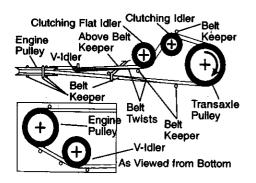
#### **BELT REMOVAL -**

- 1. Engage parking brake (creates slack in belt).
- Remove mower drive belt from electric clutch pulley only (See "TO REPLACE MOWER DRIVE BELT" in this section of this manual).
- 3. Roll motion drive belt off transaxle pulley.
- Roll belt off clutching idler pulleys, then off engine pulley and front V-idler pulley.
- 5. Pull belt out of all belt keepers.

**BELT INSTALLATION -**

- Place V part of belt into grooves on engine pulley and front V-idler, making sure to route belt inside of belt keepers.
- 2. Put belt coming from V-idler above midspan belt keeper, then onto clutching idler pulleys as shown.
- Make sure V part of belt engages Vidler.
- Place belt around transaxle pulley, beginning at top.
   V part of belt should engage transaxle pulley.
- 5. Place long lower section of belt through loop in midspan belt keeper.
- Check to be sure belt is on proper side of all belt keepers.
- 7. Reinstall mower drive belt onto electric clutch pulley.

**IMPORTANT:** Check Brake Adjustment



#### TO ADJUST STEERING WHEEL ALIGNMENT

If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble per instructions in the Assembly section of this manual.

#### FRONT WHEEL TOE-IN ADJUSTMENT

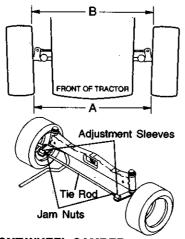
Front wheel toe-in is required for proper steering operation. Toe-in was set at the factory and adjustment should not be necessary. If parts in the front axle or steering mechanism have been replaced or damaged, check toe-in and adjust if necessary.

#### TO CHECK TOE-IN -

- 1. Position front wheels straight ahead.
- Measure distance between wheels at front and rear of tires (dimensions "A" and "B").
- Front dimension "A" should be 1/8" to 1/4" less than rear dimension "B".

#### TO ADJUST TOE-IN -

- 1. Loosen jam nuts at adjustment sleeves on tie rod.
- Adjust tie rod until dimension "A" is 1/8" to 1/4" less than dimension "B".
- 3. Tighten jam nuts securely.



#### FRONT WHEEL CAMBER

The front wheel camber is not adjustable on your tractor. If damage has occurred to affect the front wheel camber, contact your nearest Sears or other qualified service center.

#### TO REMOVE WHEEL FOR REPAIRS

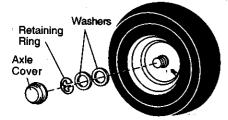
#### FRONT WHEEL-

- 1. Block up axle securely.
- 2. Remove axle cover, retaining ring and washers to allow wheel removal.
- Repair tire and reassemble. 4. Replace washers and snap retaining
- ring securely in axle groove. 5. Replace axle cover.

#### REAR WHEEL

- 1. Block rear axle securely.
- Remove five (5) hub bolts to allow wheel removal.
- Repair tire and reassemble. Replace 3. and tighten hub bolts securely.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.



#### TO START ENGINE WITH A WEAK BATTERY

CAUTION: Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries.

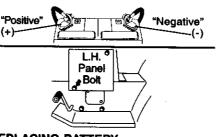
If your battery is too weak to start the engine, it should be recharged. (See "BATTERY" in the MAINTENANCE section of this manual). If "jumper cables" are used for emergency starting, follow this procedure:

IMPORTANT: Your tractor is equipped with a 12 volt negative grounded system. The other vehical must also be a 12 volt negative grounded system. Do not use your tractor battery to start other vehicels.

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to 1. the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- 2. Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.

- 3. Connect the other end of the BLACK cable to good CHASSIS GROUND, away from fuel tank and battery.
- TO REMOVE CABLES, REVERSE ORDER -
- BLACK cable first from chassis and 1.
- then from the fully charged battery.
- 2. RED cable last from both batteries.

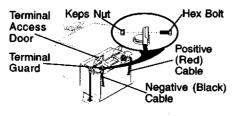


#### **REPLACING BATTERY**

**ACAUTION:** Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc.

Positive terminal must be connected first to prevent sparking from accidental grounding.

- 1. Lift hood to raised position.
- 2.
- Remove terminal guard. Disconnect BLACK battery cable then 3. RED battery cable and carefully remove battery from tractor.
- 4. Install new battery with terminals in same position as old battery.
- 5. Reinstall terminal guard.
- First connect RED battery cable to 6, positive (+) battery terminal with hex bolt and keps nut as shown. Tighten securely.
- 7. Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt and keps nut. Tighten securely
- 8. Close terminal access doors.
- Close hood. 9.



## TO REPLACE HEADLIGHT BULB

- 1. Raise hood.
- Pull bulb holder out of the hole in the backside of the grill.
- Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill.
- 4. Close hood.

#### INTERLOCKS AND RELAYS

Loose or damaged wiring may cause your tractor to run poorly, stop running, or prevent it from starting.

 Check wiring. See electrical wiring diagram in the Repair Parts section.

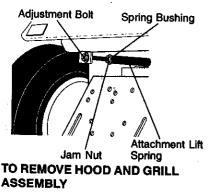
#### **TO REPLACE FUSE**

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

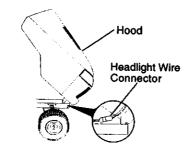
#### TO ADJUST ATTACHMENT LIFT SPRING

- 1. While holding spring bushing with wrench, loosen jam nut.
- Turn adjustment bolt clockwise to extend spring and reduce lift effort for heavier attachments.
- Turn adjustment bolt counterclockwise for lighter attachments.
- Retighten jam nut against spring bushing.

**IMPORTANT:** Do not adjust for maximum spring tension when using light attachments such as a mower. Adjust lift lever spring to aid in lifting attachment. Do not overpower spring. When removing attachment, always adjust spring tension to its lowest position.



- 1. Raise hood.
- 2. Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- 4. To replace, reverse above procedure. 27

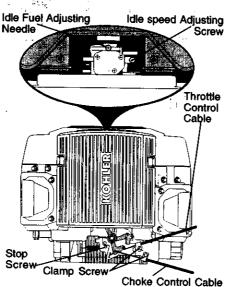


Maintenance, repair, or replacement of the emission control devices and systems, which are being done at the customers expense, may be performed by any non-road engine repair establishment or individual. Warranty repairs must be performed by an authorized engine manufacturer's service outlet.

#### ENGINE TO ADJUST THROTTLE CONTROL CABLE

The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

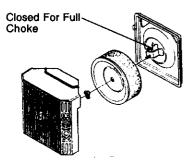
- 1. With engine not running, move throttle control lever to fast position.
- Check that speed control lever is against stop screw. If it is not, loosen casing clamp screw and pull throttle cable until lever is against screw. Tighten clamp screw securely.



#### **FO ADJUST CHOKE CONTROL**

The choke control has been preset at the ractory and adjustment should not be necessary, check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

- 1. With engine not running, move choke control (located on dash panel) to full choke position.
- 2. Remove air cleaner cover, filter and cartridge plate to expose carburetor choke (See "AIR FILTER" in the Customer Responsibilities section of this manual).
- 3. Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- 4. Reassemble air cleaner.



#### TO ADJUST CARBURETOR

The carburetor has been present at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows: In general, turning the adjusting needles in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the adjusting needles **out** (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/ air mixture.

**IMPORTANT:** Damage to the needles and the seats in carburetor may result if screw is turned in too tight.

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#### PRELIMINARY SETTING -

- Be sure you have a clean air filter, and the throttle control cable is adjusted property (see "TO ADJUST THROTTLE CONTROL CABLE" in the Service and Adjustments section of this manual).
- With engine off turn idle fuel adjusting needle in (clockwise) closing it finger tight and then turn out (counterclockwise) 1 turn.
- FINAL SETTING -
- 1. Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in neutral (N) position

control lever in neutral (N) position. NOTE: The high idle is set at the factory and cannot be adjusted.

- 2. <u>Idle speed setting</u> With throttle control lever in slow position, engine should idle at 1200 RPM. If engine idles too slow or fast, turn idle speed adjusting screw in or out until correct idle is attained.
- 3. <u>Idle fuel needle setting</u> With throttle control lever in slow position, turn idle fuel adjusting needle in (clockwise) until engine speed decreases and then turn **out** (counterclockwise) approximately 3/4 turn to obtain the best low speed performance.
- Recheck idle speed. Readjust if necessary.

**ACCELERATION TEST -**

 Move throttle control lever from slow to fast position. If engine hesitates or dies, turn idle fuel adjusting needle out (counterclockwise) 1/8 turn. Repeat test and continue to adjust, if necessary, until engine accelerates smoothly.

High speed stop is factory adjusted. Do not adjust-damage may result. IMPORTANT: Never tamper with the engine governor, which is factory set for proper engine speed. Overspeeding the engine above the factory high speed setting can be dangerous. If you think the engine-governed high speed needs adjusting, contact your nearest Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.

## STORAGE

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

**CAUTION:** Never store the tractor with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

#### TRACTOR

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire tractor (See "CLEANING" in the Maintenance section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- 3. Lubricate as shown in the Maintenance section of this manual.
- Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- Touch up all rusted or chipped paint surfaces; sand lightly before painting.

#### BATTERY

- · Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMI-NALS" in the Maintenance section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

#### ENGINE

#### FUEL SYSTEM

**IMPORTANT:** It is important to prevent gum deposites from forming in essential fuel system parts such as carburetor, fuel hose, or tank during storage. Also, experiance indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of and engine while in storage.

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

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

#### **ENGINE OIL**

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Maintenance section of this manual).

#### CYLINDER(S)

- 1. Remove spark plug(s).
- 2. Pour one ounce of oil through spark plug hole(s) into cylinder(s).
- 3. Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new spark plug(s).

#### OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your tractor indoors and cover it to give protection from dust and dirt.
- Cover your tractor with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your tractor to rust.

IMPORTANT: Never cover tractor while engine and exhaust areas are still warm.

#### **TROUBLESHOOTING CHART**

PROBLEM	CAUSE	CORRECTION
Will not start	<ol> <li>Out of fuel.</li> <li>Engine not "CHOKED"</li> </ol>	1. Fill fuel tank. 2. See "TO START ENGINE"
1	properly. 3. Engine flooded.	in Operation section. 3. Wait several minutes before attempting to start.
	4. Bad spark plug. 5. Dirty air filter.	<ol> <li>Replace spark plug.</li> <li>Clean/replace air filter.</li> </ol>
	<ol> <li>6. Dirty fuel filter.</li> <li>7 Water in fuel.</li> </ol>	<ol> <li>Replace fuel filter.</li> <li>Drain fuel tank and carburetor, refill tank with fresh gasoline and replace</li> </ol>
	<ol> <li>Loose or damaged wiring.</li> <li>Carburetor out of adjustment.</li> </ol>	fuel filter. 8. Check all wiring. 9. See "To Adjust Carburetor" in Service Adjustments section.
-	10. Engine valves out of adjustment.	10.Contact a Sears or other qualified service center.
Hard to start	<ol> <li>Dirty air filter.</li> <li>Bad spark plug.</li> <li>Weak or dead battery.</li> </ol>	<ol> <li>Clean/replace air filter.</li> <li>Replace spark plug.</li> <li>Recharge or replace battery.</li> </ol>
	<ol> <li>Dirty fuel filter.</li> <li>Stale or dirty fuel.</li> </ol>	4. Replace fuel filter. 5. Drain fuel tank and refill
	<ol> <li>Loose or damaged wiring.</li> <li>Carburetor out of adjustment.</li> </ol>	with fresh gasoline. 6. Check all wiring. 7. See "To Adjust Carburetor" in Service Adjustments section.
	<ol> <li>Engine valves out of adjustment.</li> </ol>	8. Contact a Sears or other qualified service center.
Engine will not turn over	1. Clutch/brake pedal not depressed.	1. Depress clutch/brake pedal.
	<ol> <li>Attachment clutch is engaged.</li> <li>Weak or dead battery.</li> </ol>	<ol> <li>Disengage attachment clutch.</li> <li>Recharge or replace battery.</li> </ol>
	<ol> <li>Blown fuse.</li> <li>Corroded battery terminals.</li> <li>Loose or damaged wiring.</li> <li>Faulty ignition switch.</li> </ol>	<ol> <li>Replace fuse.</li> <li>Clean battery terminals.</li> <li>Check all wiring.</li> <li>Check/replace ignition switch.</li> </ol>
	8. Faulty solenoid or starter.	8. Check/replace solenoid or starter.
	<ol> <li>Faulty operator presence switch(es).</li> </ol>	9. Contact a Sears or other qualified service center.
Engine clicks but will not start	<ol> <li>Weak or dead battery.</li> <li>Corroded battery terminals.</li> <li>Loose or damaged wiring.</li> <li>Faulty solenoid or starter.</li> </ol>	<ol> <li>Recharge or replace battery.</li> <li>Clean battery terminals.</li> <li>Check all wiring.</li> <li>Check/replace solenoid or starter.</li> </ol>

## **TROUBLESHOOTING CHART**

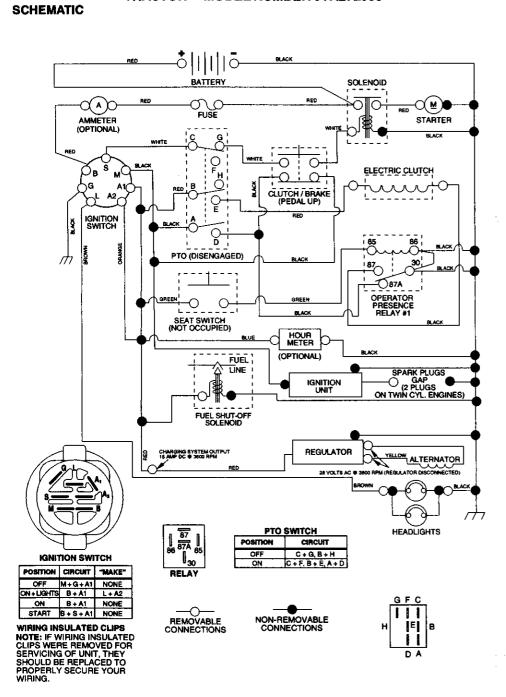
PROBLEM	CAUSE	CORRECTION
Loss of power	<ol> <li>Cutting too much grass/too fast.</li> <li>Throttle in "CHOKE" position.</li> <li>Build-up of grass, leaves and trash under mower.</li> <li>Dirty air filter.</li> <li>Low oil level/dirty oil.</li> <li>Faulty spark plug.</li> <li>Dirty fuel filter.</li> <li>Stale or dirty fuel.</li> <li>Water in fuel.</li> <li>Water in fuel.</li> <li>Dirty/clogged muffler.</li> <li>Loose or damaged wiring.</li> <li>Carburetor out of adjustment.</li> <li>Engine valves out of adjustment.</li> </ol>	<ol> <li>Set in "Higher Cut" position/ reduce speed.</li> <li>Adjust throttle control.</li> <li>Clean underside of mower housing.</li> <li>Clean/replace air filter.</li> <li>Check oil level/change oil.</li> <li>Clean and regap or change spark plug.</li> <li>Replace fuel filter.</li> <li>Drain fuel tank and refill with fresh gasoline.</li> <li>Drain fuel tank and carbure tor, refill tank with fresh gasoline and replace fuel filter.</li> <li>Connect and tighten spark plug wire.</li> <li>Clean/replace muffler.</li> <li>Check all wiring.</li> <li>See "To Adjust Carburetor" in Service Adjustments section.</li> <li>Contact a Sears or other qualified service center.</li> </ol>
Excessive vibration	<ol> <li>Worn, bent or loose blade.</li> <li>Bent blade mandrel.</li> <li>Loose/damaged part(s).</li> </ol>	<ol> <li>Replace blade. Tighten blade bolt.</li> <li>Replace blade mandrel.</li> <li>Tighten loose part(s). Replace damaged parts.</li> </ol>
Engine continues to run when operator leaves seat with with attachment clutch engaged	<ol> <li>Faulty operator-safety presence control system.</li> </ol>	<ol> <li>Check wiring, switches and connections. If not contact a Sears or other qualified service center.</li> </ol>
Poor cut - uneven	<ol> <li>Worn, bent or loose blade.</li> <li>Mower deck not level.</li> <li>Buildup of grass, leaves, and trash under mower.</li> <li>Bent blade mandrel.</li> <li>Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.</li> </ol>	<ol> <li>Replace blade. Tighten blade bolt.</li> <li>Level mower deck.</li> <li>Clean underside of mower housing.</li> <li>Replace blade mandrel.</li> <li>Clean around mandrels to open vent holes.</li> </ol>

## TROUBLESHOOTING CHART

PROBLEM	CAUSE	CORRECTION
Mower blades will not rotate	<ol> <li>Obstruction in clutch mechanism.</li> <li>Worn/damaged mower drive belt.</li> <li>Frozen idler pulley.</li> <li>Frozen blade mandrel.</li> </ol>	<ol> <li>Remove obstruction.</li> <li>Replace mower drive belt.</li> <li>Replace idler pulley.</li> <li>Replace blade mandrel.</li> </ol>
Poor grass discharge	<ol> <li>Engine speed too slow.</li> <li>Travel speed too fast.</li> <li>Wet grass.</li> <li>Mower deck not level.</li> <li>Low/uneven tire air pressure.</li> <li>Worn, bent or loose blade.</li> <li>Buildup of grass, leaves and trash under mower.</li> <li>Mower drive belt worn.</li> <li>Blades improperly installed.</li> <li>Improper blades used.</li> <li>Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.</li> </ol>	<ol> <li>Place throttle control in "FAST" position.</li> <li>Shift to slower speed.</li> <li>Allow grass to dry before mowing.</li> <li>Level mower deck.</li> <li>Check tires for proper air pressure.</li> <li>Replace/sharpen blade. Tighten blade bolt.</li> <li>Clean underside of mower housing.</li> <li>Replace mower drive belt.</li> <li>Reinstall blades sharp edge down.</li> <li>Replace with blades listed in this manual.</li> <li>Clean around mandrels to open vent holes.</li> </ol>
Headlight(s) not working (if so equipped)	<ol> <li>Switch is "OFF".</li> <li>Bulb(s) burned out.</li> <li>Faulty light switch.</li> <li>Loose or damaged wiring.</li> <li>Blown fuse.</li> </ol>	<ol> <li>Turn switch "ON".</li> <li>Replace bulb(s).</li> <li>Check/replace light switch.</li> <li>Check wiring and connections.</li> <li>Replace fuse.</li> </ol>
Battery will not charge	<ol> <li>Bad battery cell(s).</li> <li>Poor cable connections.</li> <li>Faulty regulator (if so equipped).</li> <li>Faulty alternator.</li> </ol>	<ol> <li>Replace battery.</li> <li>Check/clean all connections.</li> <li>Replace regulator.</li> <li>Replace alternator.</li> </ol>
Engine "backfires" when turning engine "OFF"	<ol> <li>Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.</li> </ol>	<ol> <li>Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.</li> </ol>

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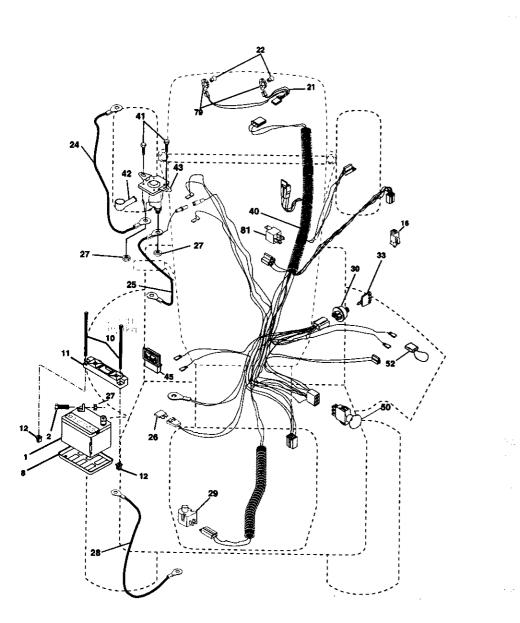
#### TRACTOR - - MODEL NUMBER 917.272953



## **REPAIR PARTS**

#### ELECTRICAL

TRACTOR - - MODEL NUMBER 917.272953



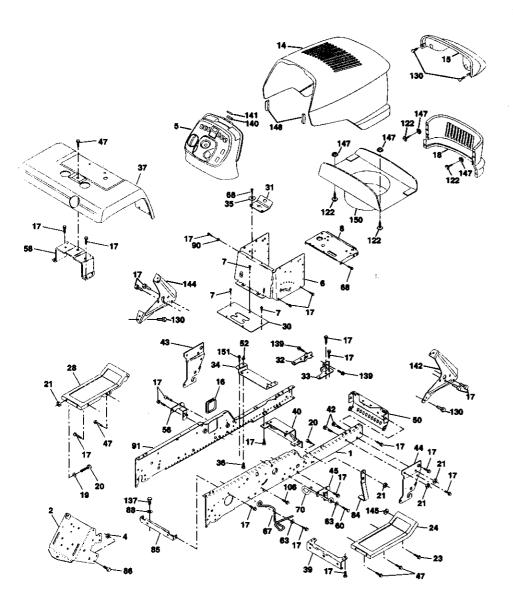
## TRACTOR -- MODEL NUMBER 917.272953

#### ELECTRICAL

KEY	PART	
	NO.	DESCRIPTION
1	144927	Battery
2	74760412	Bolt Hex Head 1/4-20 x 3/4
8	7603J	Tray, Battery
10	145211	Bolt 1/4-20 x 7.5 Zinc
11	150109	Hold down Battery Dash Mount
12	145769	Nut Push Nylon 1/4"
16	153664	Switch Interlock Push-In
21		Harness Socket Light W/4152J
22	4152J	Bulb Light
24	4014J	Cable, Battery
25	146686	Cable, Battery
26		Fuse
27		Nut Keps Hex 1/4-20 Unc
28	170697	Cable, Ground
29	160784	Switch, Plunger
30	175566	Switch, Ign
33		Key, Ignition
40	170238	Hamess Ign.
41	17720408	Screw 1/4-20 x 1/2
42	131563	Cover, Terminal
43	175141	Solenoid
45	122822X	Ammeter
50	174652	Switch, PTO
52	141940	Protection Wire Loop
79	163996	Bulbholder Asm. incandescent
81	109748X	Relay Asm.

**NOTE:** All component dimensions given in U.S. Inches 1 inch = 25.4 mm

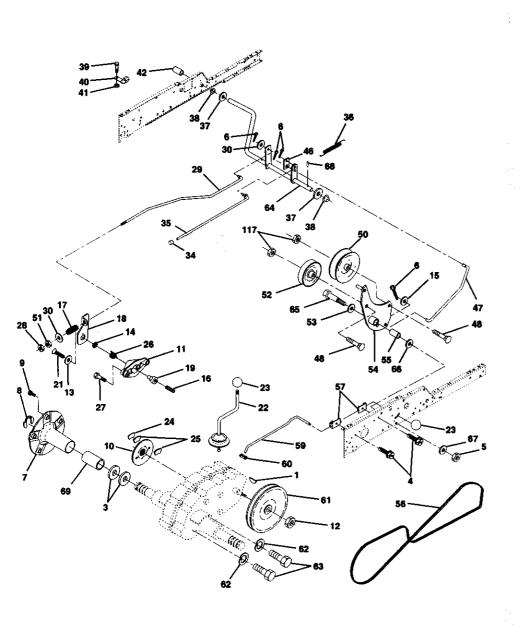
## TRACTOR -- MODEL NUMBER 917.272953 CHASSIS AND ENCLOSURES



### TRACTOR -- MODEL NUMBER 917.272953 CHASSIS AND ENCLOSURES

NO.         DESCRIPTION         NO.         DESCRIPTION           1         175485         Rail, Frame RH         50         152728         Bracket, Chassis Front           2         140506         Drawbar, Gt         52         STD541431         Nut, Crownlock 5/16-18 Unc           5         163976X428         Dash, Lower Vgt One Piece         60         1760620         Screw 3/8-16 x 1-1/4           6         17720408         Screw, Thd Cut 1/4-20 x 1/2         63         19131614         Washer 13/32 x 1 x 14 Ga.           7         17720408         Screw, Thd Cut 1/4-20 x 1/2         63         19131614         Washer 13/32 x 1 x 14 Ga.           8         145166         Support, Battery         67         156973         Guide, Belt Gear Drive           14         161023X558         Lons Asm, Headilight Bar         70         137159         Guide, Belt Mid Span           16         121794X         Cover, Access         84         142992         Stop, Over Center Mower           17         17060616         Screw         85         144911         Bracket, Support Transaxle           80         STD551143         Washer, Lock Hwy Hicl Spr 7/1         90         STD551143         Washer, Lock Hwy Hicl Spr 7/1           19         19		PART		KEY	PART	
1       175465       Rail, Frame RH       50       152728       Bracket, Chassis Front         2       140506       Drawbar, Gt       52       STD541431       Nut, Crownlock Hex 7/16-14 UNC         5       153976X428       Dash YTGT 2 Cyl       58       175315       Bracket Asm., Susp Chassis L1         6       157882       Dash, Lower Vgt One Piece       60       17060620       Screw 3/8-16 x 1-1/4         7       17720408       Screw, Thd Cut 1/4-20 x 1/2       63       19131614       Washer 13/32 x 1 x 14 Ga.         8       145166       Support, Battery       67       156973       Guide, Belt Gear Drive         14       161023X558       Hood Asm., Pnt Stealth YTGT       68       17490508       Screw Thdrol. 5/16-18 x 1/2         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         86       T0551237       Nut Crownlock 3/8-16 Unc       91       175464       Bail, Frame Lh         21       STD551301       Bot Fin Hex 7/16-14 UNC x 1       90       STD551237       Washer, Lock Hvy Hol Spr 7/1         23       17060616       Screw 3/8-16 x 1.5       06 </td <td>NO.</td> <td>NÔ.</td> <td>DESCRIPTION</td> <td></td> <td></td> <td>DESCRIPTION</td>	NO.	NÔ.	DESCRIPTION			DESCRIPTION
2       140506       Drawbar, Gt       52       STD641431       Nut, Crownlock 5/16-18 Unc         4       73680700       Nut, Crownlock Hex 7/16-14 UNC       56       154914       Bracket Asm., Susp Chassis L1         5       163976X428       Dash, Lower Vgt One Piece       60       17060620       Screw 3/8-16 x 1-1/4         7       17720408       Screw, Thd Cut 1/4-20 x 1/2       63       19131614       Washer 13/32 x 1 x 14 Ga.         8       145166       Support, Battery       67       156973       Guide, Belt Gear Drive         14       161023X558       Hood Asm., Pnt Stealth YTGT       68       17490508       Screw Hodrol. 5/16-18 x 1/2         15       160568       Lens Asm Headlight Bar       70       137159       Guide, Belt Mid Span         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support, Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131212       Washer 13/32x13/16x12 Ga.       88       STD551237       Washer, Lock External Tooth 3/         21       STD641437       Nut Crownlock 3/8			Rail, Frame RH	50	152728	
4       73680/700       Nut, Chownock Hex 7/16-14 UNC       56       154914       Bracket Asm., Susp Chassis Lt         5       153976X428       Dash, Lower Vgt One Piece       60       17080620       Screw 3/8-16 x 1-1/4         7       17720408       Screw, Thd Cut 1/4-20 x 1/2       63       19131614       Washer 13/32 x 1 x 14 Ga.         8       145166       Support, Battery       67       156973       Guide, Belt Gear Drive         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 3/8-16 x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw Hew Wshd 8-18 x 7/8         24       145243X558       Footrest, LH       130				52		
5         163976428         Dash YIGT 2 Cyl         58         175315         Bracket Asm., Fender           6         157882         Dash, Lower Vgt One Piece         60         17060620         Screw 3/8-16 x 1-1/4           7         17720408         Screw, Thd Cut 1/4-20 x 1/2         63         19131614         Washer 13/32 x 1 x 14 Ga.           8         145166         Support, Battery         67         156973         Guide, Belt Gear Drive           14         161023X558         Hood Asm., Pnt Stealth YTGT         68         177490508         Screw Thdroil. 5/16-18 x 1/2           15         160568         Lens Asm. Headlight Bar         70         137159         Guide, Belt Mid Span           16         121794X         Cover, Access         84         142992         Stop, Over Center Mower           17         17060612         Screw         85         144911         Bracket, Support Transaxle           18         160564X558         Grille         86         74760716         Bolt Fin Hex 7/16-14 UNC x1           20         STD551237         Washer, Lock Hvy Hicl Spr 7/1         90         STD551237         Washer, Lock External Tooth 3/2           31         7060616         Screw, 7480716         Bolt Fin Hex 7/16-14 x1 Gr. 5         106     <			Nut, Crownlock Hex 7/16-14UNC	56	154914	
8       145166       Support, Battery       60       19131614       Washer 13/32 x1 x 14 Ga.         14       161023X558       Hood Asm., Pnt Stealth YTGT       68       17490508       Screw Thdrol. 5/16-18 x 1/2         15       160568       Lens Asm Headlight Bar       70       137159       Guide, Belt Mid Span         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdrol Hex Head Zinc Mi         24       14524X558       Footrest, RH       122       161464       Screw Hex Wshd 8-18 x 7/8         25       161327       Bracket, Pivot Chassis Lh       130       164863       Screw HWHD Hi-Lo #13-16x 3/4         24       1450326       Footrest, Pivot Chassis Rh	5	163976X428	Dash YTGT 2 Cyl	58	175315	
8       145166       Support, Battery       60       19131614       Washer 13/32 x1 x 14 Ga.         14       161023X558       Hood Asm., Pnt Stealth YTGT       68       17490508       Screw Thdrol. 5/16-18 x 1/2         15       160568       Lens Asm Headlight Bar       70       137159       Guide, Belt Mid Span         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdrol Hex Head Zinc Mi         24       14524X558       Footrest, RH       122       161464       Screw Hex Wshd 8-18 x 7/8         25       161327       Bracket, Pivot Chassis Lh       130       164863       Screw HWHD Hi-Lo #13-16x 3/4         24       1450326       Footrest, Pivot Chassis Rh	6			60	17060620	
6       145166       Support, Battery       67       156973       Guide, Belt Gear Drive         14       161023X558       Hood Asm., Pnt Stealth YTGT       68       17490508       Screw Thdrol. 5/16-18 x 1/2         15       160568       Lens Asm Headlight Bar       70       137159       Guide, Belt Gear Drive         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131312       Washer, 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock External Tooth 3/         20       STD523710       Bolt, Fin Hex 3/8-16 x 1       90       STD551237       Washer, Lock External Tooth 3/         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rall, Frame Lh         23       17060616       Screw 3/8-16 x 1.5       106       138776       Screw Hex Wshd 8-18 x 7/8         24       145243X558       Footrest, LH       130       164863       Screw HWHD Hi-Lo #13-16 x 3/4         24       145051X014       Sadde, Silscr Vgt				63	19131614	
14       101023X558       Hood Asm., Pht Stealth YTGT       68       17490508       Screw Thdrol. 5/16-18 x 1/2         15       160568       Lens Asm Headlight Bar       70       137159       Guide, Belt Mid Span         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bott Fin Hex 7/16-14 UNC x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD523710       Bolt, Fin Hex 3/8-16 x 1       90       STD551237       Washer, Lock External Tooth 3/         21       STD641437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw HWHD Hi-Lo #13-16 x3/4         24       145243X558       Footrest, LH       130       164863       Screw HWHD Hi-Lo #13-16 x3/4         24       145051X014       Saddle, Siksor Vgt       137       137       Toff6-14 x t1 Gr. 5         31       161419       Bracket, Pivot Chassis Lh			Support, Battery	67	156973	
15       160568       Lens Asm Headilight Bar       70       137159       Guide, Belt Mid Span         16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD523710       Bolt, Fin Hex 3/8-16 Unc       91       175464       Rail, Frame Lh         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thord Hex Head Zinc Mr.         24       145243X558       Footrest, RH       122       161464       Screw HWHD Hi-Lo #13-16 x 3/4         28       145244X558       Footrest, RH       130       164883       Screw HWHD Hi-Lo #13-16 x 3/4         21       161327       Bracket, Pivot Chassis Lh       130       164883       Screw HWHD Hi-Lo #13-16 x 3/4         31       161326       Bracket, Engine Support Rear		161023X558	Hood Asm., Pnt Stealth YTGT	68	17490508	
16       121794X       Cover, Access       84       142992       Stop, Over Center Mower         17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy HICJ Srr 7/1         20       STD541437       Nut Crownlock 3/8-16 x 1       90       STD551237       Washer, Lock External Tooth 3/         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rall, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdrol Hex Head Zinc M         24       145243X558       Footrest, RH       122       161464       Screw Hex Wshd 8-18 x 7/8         24       145243X558       Footrest, LH       130       164863       Screw HWHD Hi-Lo #13-16 x 3/4         31       161327       Bracket, Pivot Chassis Lh       140       163806       Magnet/TGT         32       161326       Bracket, Pivot Chassis Rh       141       163806       Striker Plate YTGT         33       161326       Bracket, Ayle Front       142		160568	Lens Asm Headlight Bar	70	137159	
17       17060612       Screw       85       144911       Bracket, Support Transaxle         18       160564X558       Grille       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD523710       Bolt, Fin Hex 3/8-16 x 1       90       STD551237       Washer, Lock External Tooth 3/         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdroi Hex Head Zinc Mi         24       145243X558       Footrest, RH       122       161464       Screw HeX Wshd 8-18 x 7/8         26       145244X558       Footrest, RH       130       164863       Screw HWHD Hi-Lo #13-16 x 3/4         21       161419       Bracket, Pivot Chassis Lh       140       163806       Magnet YTGT         32       161327       Bracket, Pivot Chassis Rh       141       163805       Striker Plate YTGT         33       161326       Bracket, Pivot Chassis Rh       141       163805       Striker Dash Rh         34       142131       Bracket, Arke Front       142 <td></td> <td></td> <td>Cover, Access</td> <td>84</td> <td></td> <td></td>			Cover, Access	84		
19       190364X558       Gnile       86       74760716       Bolt Fin Hex 7/16-14 UNC x 1         19       19131312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD523710       Bolt, Fin Hex 3/8-16 x 1       90       STD551237       Washer, Lock External Tooth 3/         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rall, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdrol Hex Head Zinc Mr         24       145243X558       Footrest, RH       122       161464       Screw Hw Wshd 8-18 x 7/8         26       1450451X014       Saddle, Sikscr Vgt       137       74780716       Bolt Fin Hex 7/16-14 uNC x 1         31       161419       Brace, Supt 1-pc VGT Strg       139       171873       Bolt Fin Hex 7/16-18 x 1/6 r.5         33       161327       Bracket, Pivot Chassis Lh       140       163806       Magnet YTGT         34       142131       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         35       19111116       Washer 11/32x11/16x16 Ga.       144       161900       Bracket Dash Lh         36       74780512       Bolt, Fi				85	144911	Bracket, Support Transavia
19       19/3/312       Washer 13/32x13/16x12 Ga.       88       STD551143       Washer, Lock Hvy Hicl Spr 7/1         20       STD523710       Bolt, Fin Hex 3/8-16 x 1       90       STD551237       Washer, Lock Hvy Hicl Spr 7/1         21       STD541437       Nut Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdroi Hex Head Zinc M         24       145243X558       Footrest, RH       122       161464       Screw Hex Wshd 8-18 x 7/8         28       145251X014       Saddie, Sikser Vgt       137       74780716       Boit Fin Hex 7/16-14 x1 Gr. 5         31       161419       Brace, Supt 1-pc VGT Strg       139       171873       Boit Fin Hex 7/16-18 XT         32       161326       Bracket, Pivot Chassis Lh       140       163806       Magnet YTGT         33       161326       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         34       142131       Bracket, Axle Front       144       161900       Bracket Dash Lh         36       74780512       Boit, Fin Hex 5/16-18 x 3/4       144       161900       Bracket Dash Lh         37       167285X58       Fender				86	74760716	Bolt Fin Hey 7/16-14 LINC v 1
20         STD523710         Bolt, Fin Hex 3/8-16 x 1         90         STD551237         Washer, Lock External Tooth 3/           21         STD541437         Nut Crownlock 3/8-16 Unc         91         175464         Rall, Frame Lh           23         17060616         Screw 3/8-16 x1.5         106         138776         Screw, Thdrol Hex Head Zinc Mt           24         145243X558         Footrest, RH         122         161464         Screw Hex Wshd 8-18 x 7/8           26         145244X558         Footrest, LH         130         164863         Screw Hex Wshd 8-18 x 7/8           27         145243X558         Footrest, LH         130         164863         Screw Hex Wshd 8-18 x 7/8           28         145244X558         Footrest, LH         130         164863         Screw Hex Wshd 8-18 x 7/8           29         151272         Bracket, Pivot Chassis Lh         140         163806         Magnet/TGT           31         161326         Bracket, Pivot Chassis Rh         141         163805         Striker Plate YTGT           33         161326         Bracket, Pivot Chassis Rh         141         163806         Magnet/TGT           34         142131         Bracket, Atte Front         142         161897         Bracket Dash Lh				88	STD551143	Washer, Lock Hwy Hici Spr. 7/16
21       510641437       Null Crownlock 3/8-16 Unc       91       175464       Rail, Frame Lh         23       17060616       Screw 3/8-16 X1.5       106       138776       Screw, Thdrol Hex Head Zinc M         24       145243X558       Footrest, RH       122       161464       Screw HW Whd Hi-Lo #13-16 x 3/4         28       145243X558       Footrest, RH       122       161464       Screw Hex Wshd 8-18 x 7/8         30       145051X014       Saddle, Sikscr Vgt       137       74780716       Bolt Fin Hex 7/16-14 x1 Gr. 5         31       161429       Bracket, Divot Chassis Lh       140       163806       Magnet/TGT         32       161326       Bracket, Pivot Chassis Rh       141       163806       Magnet/TGT         33       161326       Bracket, Pivot Chassis Rh       144       161900       Bracket Dash Rh         34       142131       Bracket, Fin Hex 5/16-18 x 3/4       144       161900       Bracket Dash Lh         36       19111116       Washer Fin Hex 5/16-18 x 3/4       145       19131414       Washer Fiat 13/32x7/8x7 Ga.         37       167285X58       Fender       147       162967       Fastener Nut Pal         36       152728       Bracket, Axle Front       148				90		Washer, Lock External Tooth 3/8
23       17060616       Screw 3/8-16 x1.5       106       138776       Screw, Thdroi Hex Head Zinc Mu         24       145243X558       Footrest, RH       122       161464       Screw Hex Wshd 8-18 x 7/8         26       145243X558       Footrest, LH       130       164863       Screw HWHD Hi-Lo #13-16 x 3/4         30       145051X014       Saddle, Sikscr Vgt       137       74780716       Boit Fin Hex 7/16-14 x1 Gr. 5         31       161419       Brace, Supt 1-pc VGT Strg       139       171873       Boit Shoulder 5/16-18 TT         32       161327       Bracket, Pivot Chassis Lh       140       163806       Magnet YTGT         34       142131       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         35       19111116       Washer 11/32x11/16x16 Ga.       144       161900       Bracket Dash Lh         36       74780512       Boit, Fin Hex 5/16-18 x 3/4       144       161900       Bracket Dash Lh         37       167285X558       Fender       147       162967       Fastener Nut Pai         39       152728       Bracket, Axle Front       148       164655       Extrusion Bumper         40       156111       Bracket, Spnsn Front Lh       151       17			Nut Crownlock 3/8-16 Unc	91	175464	
24       145254X558       Footrest, LH       122       161464       Screw Hex Wshd 8-18 x 7/8         30       145051X014       Saddle, Sikscr Vgt       130       164863       Screw HWHD Hi-Lo #13-16 x 3/4         31       161419       Brace, Supt 1-pc VGT Strg       137       74780716       Boit Fin Hex 7/16-14 x 1 Gr. 5         32       161327       Bracket, Pivot Chassis Lh       140       163806       Magnet YTGT         33       161326       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         34       142131       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         35       19111116       Washer 11/32x11/16x16 Ga.       144       161900       Bracket Dash Rh         36       74780512       Boit, Fin Hex 5/16-18 x 3/4       144       161900       Bracket Dash Lh         37       167285X558       Fender       147       162967       Fastener Nut Pal         39       152728       Bracket, Axle Front       148       164655       Extrusion Bumper         40       156111       Bracket, Spnsn Front Lh       151       17060512       Screw 5/16-18 x 3/4         41       136940       Bracket, Spnsn Front Rh       151       170				106	138776	
20       145244X558       Foorrest, LH       130       164863       Screw HWHD Hi-Lo #13-16 x 3/4         30       145051X014       Saddle, Sikscr Vgt       137       74780716       Bolt Fin Hex 7/16-14 x1 Gr. 5         31       161419       Bracket, Supt 1-pc VGT Strg       139       171873       Bolt Shoulder 5/16-18 TT         32       161327       Bracket, Pivot Chassis Lh       140       163806       MagnetYTGT         33       161326       Bracket, Pivot Chassis Rh       140       163806       MagnetYTGT         34       142131       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         35       1911116       Washer 11/32x11/16x16 Ga.       144       161900       Bracket Dash Lh         36       74780512       Bolt, Fin Hex 5/16-18 x 3/4       145       19131414       Washer Flat 13/32x7/8x7 Ga.         37       167285X58       Fender       147       162967       Fastener Nut Pal         30       152728       Bracket, Axle Front       148       164855       Extrusion Bumper         40       156111       Bracket, Spnsn Front Lh       151       17060512       Screw 5/16-18 x 3/4         41       136939       Bracket, Spnsn Front Rh       151				122	161464	Screw Hex Wshd 8-18 x 7/8
30       145051X014       Saddle, Sikscr Vgt       137       74780716       Bolt Fin Hex 7/16-14 x1 Gr. 5         31       161419       Brace, Supt 1-pc VGT Strg       139       171873       Bolt Fin Hex 7/16-14 x1 Gr. 5         32       161327       Bracket, Pivot Chassis Lh       140       163806       MagnetYTGT         33       161326       Bracket, Pivot Chassis Lh       140       163806       MagnetYTGT         34       142131       Bracket, Engine Support Rear       141       163805       Striker Plate YTGT         34       142131       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         35       19111116       Washer 11/32x11/16x16 Ga.       144       161900       Bracket Dash Lh         36       74780512       Boit, Fin Hex 5/16-18 x 3/4       145       19131414       Washer Flat 13/32x7/8x7 Ga.         37       167285X558       Fender       147       162967       Fastener Nut Pal         39       152728       Bracket, Axle Front       148       164655       Extrusion Bumper         40       156111       Bracket, Spnsn Front Lh       151       17060512       Screw 5/16-18 x 3/4         41       136940       Bracket, Spnsn Front Hh       151				130		Screw HWHD Hi-Lo #13-16 x 3/4
31         161419         Brace, Supt 1-pc VGT Strg         139         171873         Boit Shoulder 5/16-18 TT           32         161327         Bracket, Pivot Chassis Lh         140         163806         Magnet YTGT           33         161326         Bracket, Pivot Chassis Lh         140         163806         Magnet YTGT           34         142131         Bracket, Engine Support Rear         141         163805         Striker Plate YTGT           35         19111116         Washer 11/32x11/16x16 Ga.         144         161900         Bracket Dash Rh           36         74780512         Boit, Fin Hex 5/16-18 x 3/4         144         161900         Bracket Dash Lh           36         74780512         Boit, Fin Hex 5/16-18 x 3/4         144         161900         Bracket Dash Lh           37         167285X558         Fender         147         162967         Fastener Nut Pal           39         152728         Bracket, Axle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Spnsn Front Lh         151         17060512         Screw 5/16-18 x 3/4           41         136940         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. Inchest           4				137		
32       161327       Bracket, Pivot Chassis Lh       140       163806       MagnetYTGT         33       161326       Bracket, Pivot Chassis Rh       141       163806       MagnetYTGT         34       142131       Bracket, Engine Support Rear       142       161897       Bracket Dash Rh         35       1911116       Washer 11/32x11/16x16 Ga.       144       161900       Bracket Dash Lh         36       74780512       Bolt, Fin Hex 5/16-18 x 3/4       145       19131414       Washer Flat 13/32x7/8x7 Ga.         37       167255X558       Fender       147       162967       Fastener Nut Pal         39       152728       Bracket, Axle Front       148       164655       Extrusion Bumper         40       156111       Bracket, Spinsn Front Lh       151       17060512       Screw 5/16-18 x 3/4         41       136940       Bracket, Spinsn Front Lh       151       17060512       Screw 5/16-18 x 3/4         43       136940       Bracket, Spinsn Front Rh       NOTE: All component dimensions given in U.S. Inchest         44       136940       Bracket Asm., Susp Chassis Rh       NOTE: All component dimensions given in U.S. Inchest			Brace, Supt 1-pc VGT Stro	139		
33         161326         Bracket, Photo Chassis Rh         141         163805         Striker Plate YTGT           34         142131         Bracket, Engine Support Rear         142         161897         Bracket Dash Rh           35         1911116         Washer 11/32x11/16x16 Ga.         144         161900         Bracket Dash Rh           36         74780512         Bolt, Fin Hex 5/16-18 x 3/4         145         19131414         Washer Flat 13/32x7/8x7 Ga.           37         167285X558         Fender         147         162967         Fastener Nut Pal           39         152728         Bracket, Atle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Bolt, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           43         136939         Bracket, Spnsn Front Lh         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. Inchest           47         1200600         Formula Industria         Dassis Rh         NOTE: All component dimensions given in U.S. Inchest				140	163806	
34         142131         Bracket, Engine Support Rear         142         161897         Bracket Dash Rh           35         19111116         Washer 11/32x11/16x16 Ga.         144         161900         Bracket Dash Lh           36         74780512         Bolt, Fin Hex 5/16-18 x 3/4         145         19131414         Washer Flat 13/32x7/8x7 Ga.           37         167285X558         Fender         147         162967         Fastener Nut Pal           39         152728         Bracket, Axle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Bolt, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket, Spnsn Front Lh         Hat 136940         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. Inchest           47         1200600         Screw Finder         142         161 component dimensions given in U.S. Inchest				141	163805	
35         19111116         Washer 11/32x11/16x16 Ga.         144         161900         Bracket Dash Lh           36         74780512         Boit, Fin Hex 5/16-18 x 3/4         145         19131414         Washer Flat 13/32x7/8x7 Ga.           37         167285X558         Fender         147         162967         Fastener Nut Pal           39         152728         Bracket, Axle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Boit, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket, Spnsn Front Lh         Hat 136940         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. Inchest				142	161897	
30         74/80512         Bott, Fin Hex 5/16-18 x 3/4         145         19131414         Washer Flat 13/32x7/8x7 Ga.           37         167285X558         Fender         147         162967         Fastener Nut Pal           39         152728         Bracket, Axle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Bott, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           43         136939         Bracket, Spnsn Front Lh         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket, Spnsn Front Rh         NOTE: All component dimensions given in U.S. inchest           47         1200609         Screw Fabric Mark         NOTE: All component dimensions given in U.S. inchest				144	161900	
37         16/253x558         Fender         147         162967         Fastener Nut Pal           39         152728         Bracket, Axle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Bolt, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           43         136939         Bracket, Spnsn Front Lh         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket, Spnsn Front Rh         Home Screw 5/16-18 x 3/4         151           45         154913         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. inchest			Bolt, Fin Hex 5/16-18 x 3/4	145	19131414	
39         152/28         Bracket, Axle Front         148         164655         Extrusion Bumper           40         156111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Bolt, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           43         136939         Bracket, Spnsn Front Lh         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket, Spnsn Front Rh         House Chassis Rh         NOTE: All component dimensions given in U.S. inchest				147	162967	
40         150111         Bracket, Support Axle/Engine         150         161237         Duct Heat Hood           42         72140608         Bolt, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           43         136939         Bracket, Spnsn Front Lh         151         17060512         Screw 5/16-18 x 3/4           44         136940         Bracket, Spnsn Front Rh         151         17000512         Screw 5/16-18 x 3/4           45         154913         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. inchest				148	164655	
42         72140608         Boit, Carriage 3/8-16 x 1         151         17060512         Screw 5/16-18 x 3/4           43         136940         Bracket, Spnsn Front Lh         44         136940         Bracket, Spnsn Front Rh           45         154913         Bracket Asm., Susp Chassis Rh         NOTE: All component dimensions given in U.S. inchest				150	161237	
43 136939 Bracket, Spnsn Front Lh     44 136940 Bracket, Spnsn Front Rh     45 154913 Bracket Asm., Susp Chassis Rh     NOTE: All component dimensions given in U.S. inches     47 1340609			Bolt, Carriage 3/8-16 x 1	151	17060512	
45 154913 Bracket Asm., Susp Chassis Rh NOTE: All component dimensions given in U.S. inches			Bracket, Spnsn Front Lh			
47 17400609 Community of the day of the start of the star						
47 17490608 Screw Thdrol. 3/8-16 x 1/2 1 inch = 25.4 mm			Bracket Asm., Susp Chassis Rh	NOTE	: All compone	ant dimensions given in U.S. inches
	47	17490608	Screw Thdrol. 3/8-16 x 1/2	1 inch	= 25.4 mm	an amondrono great in 0.0. Inclus

#### TRACTOR -- MODEL NUMBER 917.272953 GROUND DRIVE

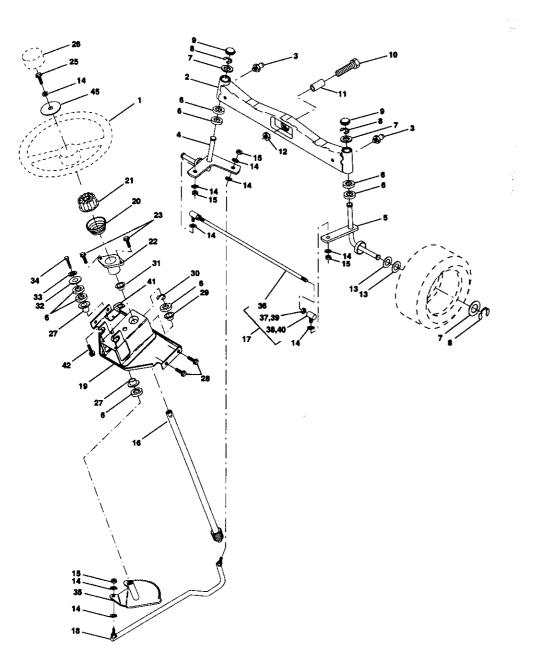


# TRACTOR -- MODEL NUMBER 917.272953

**GROUND DRIVE** 

.

#### **KEY PART KEY PART** DESCRIPTION NO. NO. NO. NO. DESCRIPTION Key, Woodruff Washer, Thrust, Axle Screw Thdrol 5/16-18 x 3/4 Nut, Crownlock 3/8-16 9858M1 1 37 121749X Washer 25/32 x1-1/4 x 16 Ga. 7563R 3 38 150035 Nyliner 4 17490508 39 40 74321016 Screw, Fin. #10-24 x 1 STD541437 Actuator, Interlock Switch Locknut #10-24 Cover, Pedal Retainer, Spring 5 5304J 73931000 6 STD561210 Pin, Cotter 41 7 149176 Wheel, Hub Assembly 42 8883R Klip, Ring Bolt, Hub 46 47 8 12000034 145170 140080 9 138228 **Clutch Rod** 10 142509 Disc, Brake 48 50 72110612 Bolt, Carr. 3/8-16 x 1-1/2 Gr. 5 11 136927 Yoke, Brake Disc 131494 Pulley, Idler, Flat 12 73750800 Nutlock 1/2-20 Unf 51 52 STD541437 Nut, Crownlock 3/8-16 UNC 13 139419 Washer, Special 139123 Pulley, Idler, Grooved Washer, Hardened 14 15 16 Bushing Washer 13/32x13/16 x 16 Ga. 138901 53 207J 54 55 STD551037 161590 Clutch, Arm Assembly 143012 Set, Screw 1/4-28 x 3/4 105706X Bearing, Idler 17 126909X Spring Lever, Brake Cam, Brake Disc 56 137153 V-Belt 18 137104 57 Bracket, Shift Rod, Hi-Lo 141756 19 136926 59 60 61 122253X 122268X Shift Rod, Hi-Lo 21 22 Screw, Flat Head 1/4-28 x 3/4 Gearshift, Lever Assembly 23260412 Spring Clip, Connecting Link 633A109 137524 Pulley, Transaxle Washer, Lock 7/16 Bolt, Fin Hex 7/16-14 x 1-1/4 23 24 106932X Knob 62 STD551143 Support, Puck Brake Puck, Brake Top Spring, Return Screw, Hex Wsh Thd. 136925 63 74760720 25 136923 64 154752 Shaft, Clutch/Brake Pedal 26 137552 65 67609 Bolt, Shoulder 27 17490528 66 140296 Washer, Hardened 5/16-18 x 1-3/4 19131312 67 Washer, Flat 28 73350600 Nut, Hex Jam 3/8-16 68 5142H Pin, Roll 29 30 34 137213 Brake, Rod 69 136327 Hub. Cover Washer 13/32 x 1 x 16 Ga. 19131616 117 73900600 Nut, Lock Fig. 3/8-16 Unc Cap, Plunger Rod, Parking Brake 71673 35 137648 NOTE: All component dimensions given in U.S. inches 36 149412 Spring, Drive Ground 1 Inch = 25.4 mm



# TRACTOR -- MODEL NUMBER 917.272953 STEERING ASSEMBLY

# TRACTOR - - MODEL NUMBER 917.272953 STEERING ASSEMBLY

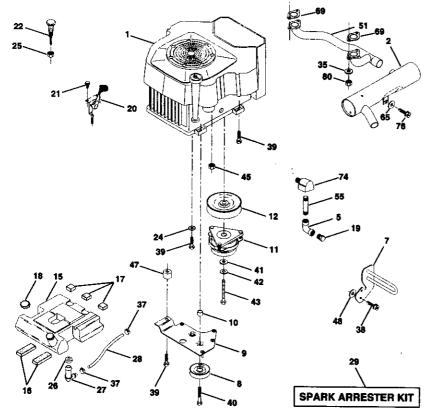
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KEY	PART	
NO.	NO.	DESCRIPTION
1	139768	Wheel, Steering
2	137094	Axle Asm., Front
3	6855M	Fitting, Grease
4	161849	Spindle Asm, LH
5	161848	Spindle Asm., RH
6	6266H	Bearing, Race Thrust Harden
7	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
8	12000029	Ring, Klip #T5304-75
9	121232X	Cap, Spindle
10	74781044	Bolt, Fin Hex 5/8-11 x 2-3/4
11	136518	Spacer Bearing Axle Front
12	73901000	Nut, Lock Flange 5/8-11 Unc
13	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
14	STD551137	Washer, Lock Hvy Hicl Spr 3/8
15	STD541537	Nut, Lock Center 3/8-24 UNF
16	145103	Shaft Asm., Steering
17	137347	Rod Asm., Tie Ball J Ball Vgt (Inc. Key No. 36-40)
18	137155	Draglink, Ball Joint Solid Vgt
19	156011	Support Asm., Steering Vgt
20 21	172020 100711L	Boot, Steering
22	155105	Adapter, Wheel Steering
23	152927	Bushing, Strg. Bik Screw
25	STD523710	Bolt, Fin Hex 3/8-16 x 1 Gr. 5
26	139769	Cap, Wheel Steering
27	3366R	Bearing, Col. Strg.
28	17000612	Screw 3/8-16 x 3/4
29	104239X	Bearing, Flange
30	12000029	Ring, Klip Truarc #5304-75
31	138136	Bushing, Nyliner Snap
32	19111610	Washer 11/32 x 1 x 10 Ga.
33	STD551131	Washer, Lock Hvy Hicl Spr 5/16
34	74780512	Bolt, Fin Hex Hd 5/16-18 x 3/4
35	138059	Gear, Sector Steering
36	137156	Tie Rod
37	73360600	Jam Nut RH Thread
38	109850X	Joint Asm. Ball RH Thread
39	73700600	Jam Nut LH Thread
40	109851X	Joint Asm. Ball LH Thread
41	155246	Bracket Switch Interlock VGT 97
42	17490508	Screw Thdrol 5/16-18 x 1/2 Tyt
45	19133812	Washer 13/32 x 2-3/8 x 12 Ga.

NOTE: All component dimensions given in U.S. Inches 1 inch = 25.4 mm

ENGINE

# TRACTOR -- MODEL NUMBER 917.272953

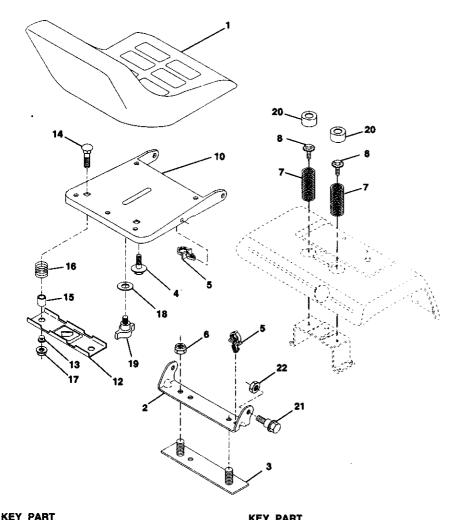


KEY PART

RET		
NO.	NÓ.	DESCRIPTION
1		Engine (See Breakdown) Kohler Model No. CV675- 75549
2 5	161063	Muffler Side
	13200300	Elbow STD 90 Degree 3/8 - 18 NPT
7	151396	Muffler Asm Guard
8	121361X	Pulley V-Idler
9	150828	Keeper Asm. Belt Engine
10	105432X	Bushing
11	170056	Clutch Electric
12	143996	Pulley Engine VGT Elect Cith
15	151346	Tank Fuel Rear 3.50 Yt/Gt 96
16	109227X	Pad Spacer
17	106082X	Pad Spacer
18	140527	Cap Asm Fuel W/Gauge
19	13290300	Plug Oil Drain (Order From Engine Manufacturer)
20	164067	Control Throttle
21	164863	Screw Hwhd Hi-Lo
		#13-16 x 3/4
22	164415	Control Choke
24	STD551237	Washer Ext Tooth 3/8
25	73920600	Nut Keps 3/8 - 24 UNF
26	3645J	Bushing
27	139277	Stem Tank Fuel

KEY NO.	PART NO.	DESCRIPTION
28	7834R	FuelLine
29	132920	Spark Arrester Kit
35	10010500	Washer Split
37	123487X	Clamp Hose
38	17060620	Screw 3/8 - 16 x 1-1/4
39	17490636	Screw TT 3/8-16 x 2-1/4 UNC
40	17490664	Screw TT 3/8-16 x 4 UNC
41	126197X	Washer 1-1/2 OD X 15/32 ID X 250
42	STD551143	Washer Lock 7/16
43	173937	Bolt Hex 7/16 - 20 X 4 - 1/4 Ga 5-1.5
45	73510400	Nut Keps H 1/4-20 UNC
47	142040	Spacer Engine
48	19132007	Washer 13/32 x 1-1/4 x 7 Ga.
51	161231	Manifold Pipe VGT
55	13280336	Nipple Pipe 4-1/2
65	19131614	Washer 13/32 x 1 x 14
69	24-041-02	Gasket
74	162295	Elbow Street Brass
76	17000612	Screw H Thdrol 3/8-16 x 3/4
80	M73030600	Nut Flange M8-1.25

**NOTE:** All component dimensions given in U.S. inches1 inch = 25.4 mm



TRACTOR - - MODEL NUMBER 917.272953

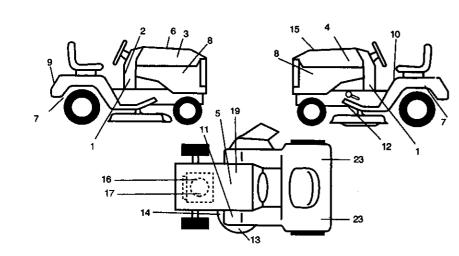
PART	
NO.	DESCRIPTION
140123	Seat
140551	Bracket, Pivot Seat
140675	Strap, Fender
127018X	Bolt, Shoulder 5/16-18 x .62
145006	Clip, Push In, Hinged
STD541437	Nut, Crownlock 3/8-16 Unc
124181X	Spring, Seat Cprsn
171877	Boit 5/16-18Uncx 3/4 w/Sems
155925	Pan, Seat
121246X	Bracket, Mounting Switch
121248X	Bushing, Snap
72050412	Bolt, Carriage 1/4-20 X 1-1/2
	NO. 140123 140551 140675 127018X 145006 STD541437 124181X 171877 155925 121246X 121248X

NC T	FARI	
NO.	NO.	DESCRIPTION
15	134300	Spacer, Split
16	121250X	Spring, Cprsn
17	123976X	Nut, Lock 1/4 Lge Fig Gr. 5
18	19171912	Washer 17/32x1-3/16x12 Ga.
19	166369	Knob, Seat
20	124238X	Cap, Spring Seat
21	171852	Bolt, Shoulder 5/16-18
22	STD541431	Nut, Crownlock 5/16-18 Unc

**NOTE:** All component dimensions given in U.S. inches 1 inch = 25.4 mm

# SEAT ASSEMBLY

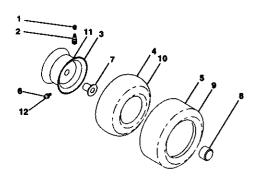
# TRACTOR -- MODEL NUMBER 917.272953



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	172507	Decal, Dash Panel	14	160397	Decal, V-Belt Schematic
2	164085	Decal, Dash	15	171811	Decal, Repi Parts
3	171702	Decal, Hood, Craftsman, RH	16	177629	Decal, Engine
4	171703	Decal, Hood, Craftsman, LH	17	177628	Decal, Engine KHLR Fan
5	149516	Decal, Battery DNGR/PSN	19	138047	Decal, Battery
		ENG Asm	23	106202X	Reflector, Taillight
6	133644	Decal, Maintenance		138311	Decal, Handle Lft Height
7	163210	Decal, Fender			Adjust (Lift Handle)
8	171705	Decal SD, PNL GTSRS		157199X428	Pad, Footrest
9	163204	Decal, Fender, Craftsman		177619	Manual, Owner's (Eng)
10	156439	Decal, Fender Danger		177620	Manual, Owner's (Span)
11	4900J	Decal, Clutch/Brake			copul, ethici e (opul)
12	146047	Decal, V-Belt Drive Schematic			
13	133179	Decal, Biower Housing			

#### **WHEELS & TIRES**

DECALS



KEY	PART	
NO.	NO.	DESCRIPTION
1	59192	Cap, Valve, Tire
2	65139	Stern, Valve
3	106228X427	
11	106277X427	Rim Assembly, Rear
4	8134H	Tube, Front (Service Item
		Only)
10	7154J	Tube, Rear (Service Item Only)
5	106230X	Tire, Front
9	140183	Tire, Rear
6	278H	Fitting, Grease (Front Wheel
		Only)
12	6856M	Fitting, Grease
7	9040H	Bearing, Flange (Front Wheel
		Only)
8	104757X428	Cap, Axle (Front Wheel Only)
	144334	Sealant, Tire (10 oz. Tube)
		· · ·

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

#### TRACTOR -- MODEL NUMBER 917.272953 LIFT ASSEMBLY

40 42 38 31 32 20 in the set 175<sup>55</sup> 39 30 Ś 42 1.5.7.6 72 33 a 11 12 × 2 12 S 12 13 16 23 2 22 12 Ô 13 23 \_ 15 14 **1**9 18 ¢, 20 41

KEY PART NO. NO. DESCRIPTION Rod Asm., Lever Shaft Asm., Lift Vgt Lever Asm., Lift Rh E-Ring Truarc #5133-87 121006X 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 12 22 23 159187 159189 12000022 19292016 71110624 125631X 122365X Washer 29/32 x 1-1/4 x 16 Ga. Washer 29/32 X 1-1/4 X 16 G Bolt, Fin Hex 3/8-16 X 1-1/2 Grip, Handle Fluted Button, Plunger Plunger, Button Spring 2-1/8° Link Lift Patalans Sadas 122364X 2876H 146704 163552 Link Lift Retainer, Spring Arm, Suspension Vgt Bearing Nut, Crownlock 3/8-16 Unc Spring Asm., Assist Lift Nut, Hex Jam 3/8-16 Unc Bracket Spring Assist 139868 169865 STD541437 674A247 STD541237 Bracket, Spring Assist Washer 13/32 x 13/16 x 16 Ga. Bolt, Adjust Spring Assist Bolt, Fin Hex 3/8-16 x 1 143363 STD551037 5328J STD52710 127218 Link, Front STD624008 Retainer, Spring

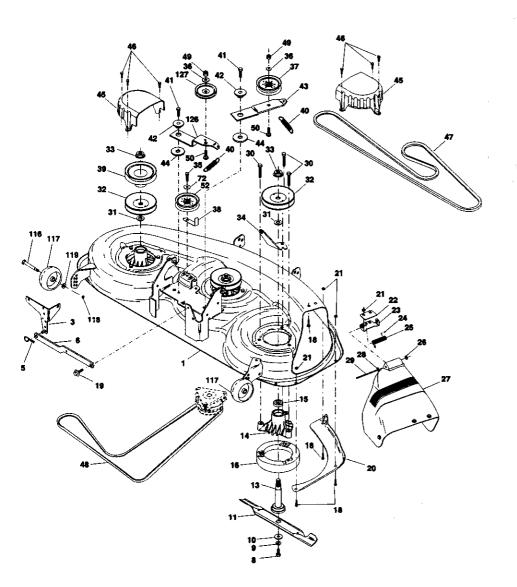
KEY PART NO. NO.

#### NO. DESCRIPTION

NQ.	NO.	DESCRIPTION
24	73350800	Nut, Jam Hex 1/2-13 Unc
25	130171	Trunnion
26	73680800	Nut, Crownlock 1/2-13 Unc
29	150233	Trunnion, Infin Height
30	110807X	Nut, Special
31	19131016	Washer 13/32 x 5/8 x 16 Ga.
32	137150	Spring, Compression Inf Hat
33	STD560907	Pin, Cotter 3/32 x 1/2
34	137167	Rod, Adj Lift
35	138057	Knob, Inf 3/8-16 Unc
38	155097	Pointer, Height Indicator
39	123935X	Plug, Hole
40	17060516	Screw 5/16-18 x 1
41	73540600	Nut, Crownlock 3/8-24
42	19112410	Washer 11/32 x 1-1/2 x 10 Ga.
43	123934X	Scale, Indicator Height
70	145212	Nut Hex Flange Lock
72	110452X	Nut Push Phos & Oil
73	73350600	Nut Hex Jam 3/8-16

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

#### TRACTOR -- MODEL NUMBER 917.272953 MOWER DECK



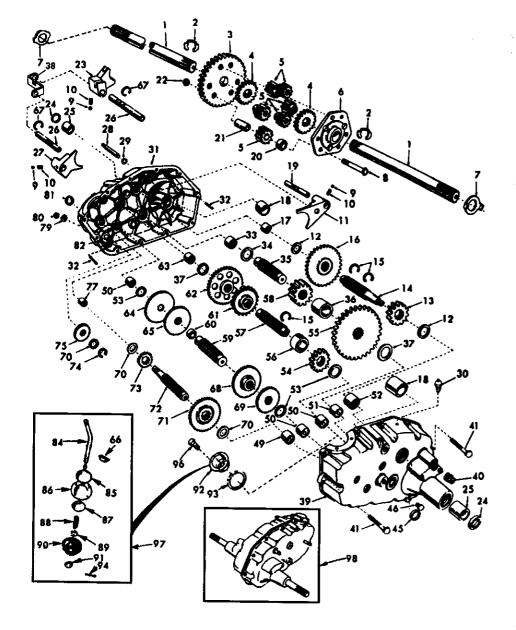
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#### TRACTOR -- MODEL NUMBER 917.272953

# MOWER DECK

KEY	PART		KEY	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	156948	Deck Weldment	36	STD551037	Washer 13/32 x13/16 x 16 Ga.
ġ.	138457	Bracket Asm., Sway Bar	37	131494	Pulley, Idler, Flat
5	STD624008	Retainer Spring	38	156086	Keeper, Belt, Idler
6	130832	Arm, Suspension, Rear (Sway	39	144917	Pulley, Idler, Driven
		Bar)	40	137273	Spring, Secondary 44/46/50 Vent
8	850857	Bolt, Patched 3/8-24 x 1-1/4	41	17060620	Screw 3/8-16 x 1-1/4
		Gr. 8	42	165723	Spacer, Retainer
9	STD551137	Washer, Lock Hvy., Unplated 3/8	43	144949	Arm, Idler Secondary
10	140296	Washer, Hard Blade, Mower	44	133943	Washer, Hardened
		Vented	45	145059	Cover, Mandrel Deck
11	176084	Blade	46	137729	Screw, Thdroll. 1/4-20 x 5/8
13	137553	Shaft Asm. w/Lower Bearing	47	144959	V-Belt, Mower, Secondary
		(Includes Key No. 12)	48	148763	V-Belt, Mower, Primary
14	137152	Housing, Mandrel	49	STD541437	Nut, Crownlock 3/8-16 UNC
15	110485X	Bearing, Ball, Mandrel	50	72110612	Bolt, Carriage 3/8-16 x 1-1/2
16	174493	Stripper, Mower			Gr. 5
18	STD533106		52	156493	Pulley Idler 46" Prim. Drive
19	132827	Bolt, Hex Head, Shoulder	72	19131616	Washer 13/32 x 1 x 16 Ga.
~~		5/16-18	116	137644	Bolt, Shoulder
20	145055	Baffle, Vortex Mower 46"	117	133957	Gauge Wheel
21	STD541431		118	73930600	Nut, Centerlock 3/8-16 UNC
22	134753	Stiffener, Bracket	119	19121414	Washer 3/8 x 7/8 x 14 Ga.
23	131267	Bracket, Deflector	126	144948	Arm, Idler, Primary Deck 46"
24	105304X	Cap, Sleeve	127	146763	Pulley, Idler, V-Groove Dim. 4.25
25	149287	Spring, Torsion, Deflector		166209	Mower Service 46" (Standard
26	110452X	Nut, Push			Deck - Order separately
27		Deflector Clipping			mulching components Key
28	19111016	Washer 11/32 x 5/8 x 16 Ga.		4 10004	Nos. 101-106)
29	131491 157722	Rod, Hinge		143651	Mandrei Asm 44/50 Service
30	129963	Screw, Thd Rolling Washer Hd			(Includes Key Nos. 8-10, 12-
31 32	153531	Washer, Spacer Mower Vented Pulley, Mandrel			15, 31 and 33)
33	137266	Nut, Fig. Top Lock Cntr. 9/16			
34	144945	Anchor, Spring Deck 46"			
35	17490628	Screw, 3/8-16 x 1-3/4			ent dimensions given in U.S. inches
30	1140020	0010m, 0/0-10 x 1-0/4	1 incl	n = 25.4 mm	



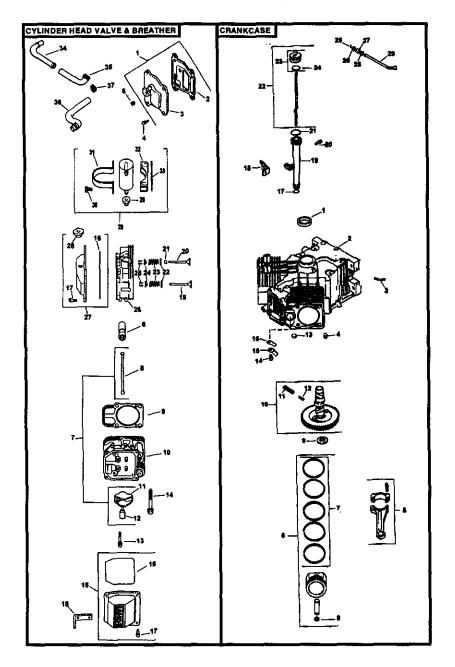
TRACTOR -- MODEL NUMBER 917.272953

TRANSAXLE

# TRACTOR--MODEL NUMBER 917.272953

#### TRANSAXLE

	PART NO.	DESCRIPTION	key No.	PART NO.	DESCRIPTION
1	4197R	Axie Shaft	52	8119M	Needle Bearing
2	12000034	Retaining Ring	53	4220R	Thrust Bearing Race
3	4199R	Final Drive Gear	54	4209R	3rd Reduction Pinion, Low
4	4216R	Differential Gear	55	4213R	4th Reduction Gear
5	4215R	Differential Pinion	56	4442R	3rd Reduction Pinion Spacer
ĕ	4217R	Differential Carrier	57	4195R	2nd Reduction Gear Shaft
7	174728	Axle Thrust Washer	58	4214R	Final Drive Pinion
8	74020652	Bolt, Hex Head 3/8-24 x 3-1/4	59	4194R	1st Reduction Gear Shaft
v	1020002	(1" Thread Length)	60	7528R	1st Reduction Shaft Spacer
9	7392M	Steel Ball	61	4208R	3rd Reduction Pinion High
10	137261	Spring Shift Fork Detent	62	4207B	2nd Reduction Gear
11	4985A	Shift Fork, High-Low Range	63	7398H	Needle Bearing
12	6266H	Thrust Bearing Race	64	4203R	Low Speed Gear and 2nd
13	4212R	4th Reduction Pinion			Reduction Pinion Cluster
14	137125	Shaft, Brake	65	4204R	Reverse Gear
15	6276H	Snap Ring, Crescent Type	66	2898J	Key, HI-Pro 1/8 x 17/32
16	633A63	High-Low Range Gears	67	12000033	Kilip Ring
17	8118M	Needle Bearing	68	4205R	Intermediate Speed Gear
18	8740H1	Sintered Iron Bearing	69	4206R	High Speed Gear
19	122238X	Shift Fork Shaft, High-Low Range	70	1370H	Thrust Bearing Race
20	4218R	Differential Pinion Spacer	71	633A69	Intermediate and High Speed
21	6252H1	Differential Pinion Bushing			Cluster Pinions
22	7810H	Gripco Centerlock Nut 3/8-24	72	139120	Input Shaft
23	6262H	Shift Fork, R.H.	73	4201R	Low Speed Pinion
24	7393R	Oil Seal	74	12000008	E-Ring
25	992B1	Sintered Iron Bearing	75	1153R	Reverse Idler Gear
26	139111	Shift Fork Shaft	77	6803J	Needle Bearing
27	4986R	Shift Fork, L.H.	79	1167R	Sealing Washer
28	122254X	Shift Shaft, High-Low Range	80	73360700	Nut, Hex, Jam 7/16-20
29	6269H	Oll Seal	81	6270H	Oll Seal
-30	5855H	Pressure Relief Valve	82	136984	Reverse Idler Shaft
31	174731	Gearcase, Reverse Idler Shaft	84	5384J	Gearshift Lever, Bent
		and Bearings, R.H.	85	2978J	Gearshift Cap
		(Includes Key No.'s 17,18, 25,	86	633A85	Gearshift Ball Cover and Pin
		33, 50, 63, 77 and 82)	87	8739H1	Shift Lever Guide Ball, Keyed
32	6277H	Dowel Pin	88	4924H	Spring
-33	4225R	Needle Bearing	89	19151516	Washer 15/32 x 15/16 x 16
34	7396H	Thrust Bearing Race			Gauge
35	4198R	4th Reduction Gear Shaft	90	110542X	Shift Mechanism Seal
36	4200R	4th Reduction Gear Spacer	91	19181511	Washer 9/16 x 15/16 x 12
37	7395H	Thrust Bearing Race			Gauge
38	160789	Gate, Lower, Shift	92	75J	Gearshift Gate and
39	174729	Gearcase and Bearings, L.H.			Reinforcement
		(Includes Key Numbers 18, 25,	93	6274H	Shift Ball Cover Gasket
		49, 50 (2), 51 and 52)	94	76020412	Cotter Pin 1/8 x 3/4
40	13320400	Pipe Plug 1/2-14 N.P.T.	96	159783	Screw, Hex, Washer, HD.
41	17580520	Bolt, Hex 5/16-18 UNC x 1-1/4	97 98	633A109	Gearshift Lever Assembly
45	6271H	Oil Seal	98	174742	Transaxie, 6 Speed, Complete
46	13060200	Pipe Plug 1/4-18 N.P.T.	NOT		Assembly
49	4895H	Needle Bearing		E: All compores 1 inch = 25.	nent dimensions given in U.S.
50 51	4222R	Needle Bearing	HIGHE	s i mun = 20.	
51	1529R	Needle Bearing			



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# TRACTOR -- MODEL NUMBER 917.272953 KOHLER ENGINE-MODEL NUMBER CV675, TYPE NUMBER 75549

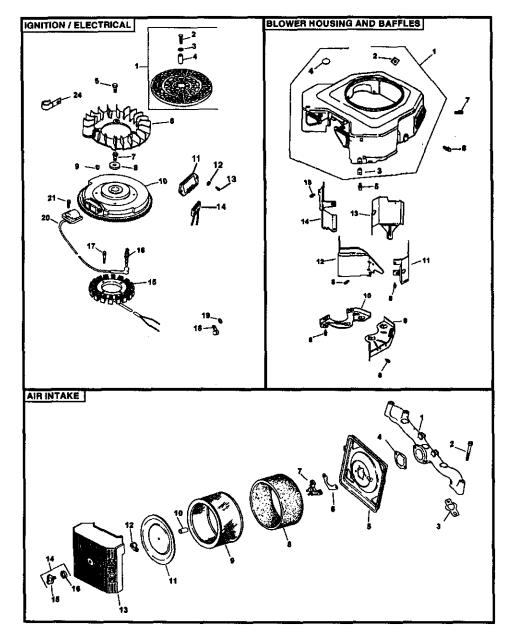
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HEAD/VALVE/BREATHER			CRAN	CRANKCASE			
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION		
1	24-033-03-S	Kit, breather cover w/	1	24-032-01-S	Seal, oil front		
•		gasket (Includes 2,3)	2				
2 3	24-041-23-5	Gasket, breather	~	04 004 40 0	(USE: Miniblock)		
3		Cover, breather	3 4	24-294-13-S			
4	M-645020-S	Screw, hex. flange M6x1.0x20 (4)	5	24-067-12-6	Pin, dowel locating (6) Connecting Rod (Std.) (2)		
5	X-75-23-S	Plug, allen hd. 1/8"	3	24-067-13-3	Connecting Rod (.25) (2)		
5 6		Lifter, valve (4)	6	24-874-09-5	Piston w/Ring Set (Std.) (2)		
ž	24-755-66-S	Kit, valve train (Includes	•	24-07 4-00-0	(Includes 7,8)		
•	21100 00 0	8,11,12)		24-874-10-S	Piston w/Ring Set (.25) (2)		
8	24-411-05-S	Rod, push (4)		24-874-11-S	Piston w/Ring Set (.50) (2)		
9		Gasket, cylinder head (2)		24-874-15-S	Kit, piston w/ring set (.08)		
10		Head assembly, #2 cylinder	7	24-108-08-S	Ring Set (Std.) (2)		
11	25-186-01-S	Arm, rocker (4)		24-108-09-S	Ring Set (.25) (2)		
12	24-599-01-S	Pivot, rocker arm (4)		24-108-10-S	Ring Set (.50) (2)		
13	M-640034-S		8	24-018-01-S	Retainer, piston pin (4)		
		M6x1.0x34 (4)	9	12-422-09-S			
14	24-086-44-S	Screw, hex. flange		12-422-13-S	Shim, camshaft (A.R.)		
		M10x1.5x90 (8)		12-422-07-S	Shim, camshaft (A.R.)		
15	24-755-74-S	Kit, valve cover - plain		12-422-08-5	Shim, camshaft (A.R.)		
	04 400 40 0	(Includes 16,17)			Shim, camshaft		
16	24-153-16-S			12-422-11-5	Shim, camshaft (A.R.)		
17 18	24-086-32-5	Screw, shoulder (4)	10	12-422-12-5	Shim, camshaft (A.R.)		
19	24-445-01-S	Valve exhaust (Std.) (2)	10	24-010-06-5	Camshaft (Includes 11,12)		
1.9	24-016-02-5	Valve, exhaust (Std.) (2) Valve, exhaust (.25) (2)	10 11 12 13 14	24-089-33-3	Spring, ACR (Heavy) Spring, ACR (Light)		
20	24-017-01-S	Valve, intake (Std.) (2)	13	52-139-09-S	Plug cup		
	24-017-02-S	Valve, intake (.25) (2)	14	M-0545010-5	Screw, hex. flange		
21	24-032-05-S	Seal, valve stem (2)	••		M5x0.8x10 (2)		
22	235011-S	Retainer, spring (4)	15	24-018-04-S	Retainer, reed (2)		
23	24-089-02-5	Spring, valve (4)	16	24-402-05-S	Reed, breather (2)		
24	12-173-01-S	Cap, valve spring (4)	17	12-153-01-S	O-Ring, lower oil fill tube		
25			18		Bracket, oil fill tube		
26	24-318-11-S	Head assembly, #1 cylinder	19	12-123-04-S	Tube, oil fill		
27	24-755-76-S	Kit, retainer (4) Head assembly, #1 cylinder Kit, valve cover - breather (Incl. 16,17.28)	20	M-545016-S	Screw, hex. flange M5x0.8x16		
28	25-313-02-S	Grommet. rubber	21	12-153-02-S	O-Ring, upper oil fill tube		
2 <del>9</del>	24-755-57-S	Kit, breather separator	22	24-038-04-S	Dipstick assembly (Includes		
30	M-545016-S	Screw, hex. flange	23 24 25 26 27	24.755.46.5	23,24) Kit, oil fill cap (Includes 24)		
	11-0-0010-0	M5x0.8x16 (2)	20	12-153-03-5	O-Ring, dipstick		
31	24-445-02-S	Strap, breather	25	12-380-04-S	Pin hitch		
32	24-126-44-S	Bracket, breather	26	M-631005-S	Washer, plain 6 mm		
		separator	27		Seal, governor cross shaft		
33	24-112-12-S	Spacer	28	X-25-102-S	Washer, plain 1/4"		
34	24-294-06-S	Fitting	29	24-144-01-S	Shaft, governor cross		
35	24-326-13-S	Hose, breather					
36		Hose, breather					
37	X-426-9-S	Clamp, hose (2)	NOT inche	E: All compones 1 inch = 25.4	ent dimensions given in U.S. 1 mm		





#### IGNITION/CHARGING

#### BLOWER HOUSING & BAFFLES

	KEY NO.	PART No.	DESCRIPTION	KEY NO.	PART NO.	
	1	54-755-15-S	Kit, grass screen (Includes 2-4,and 24 113 18)	1	24-027	
	2	M-403025-S	Screw, hex. cap M4x0.7x25 (4)	0	24-100	
	3	X-25-92-S	Washer, plain 5/16" (4)	2 3	24-100	
	4	24-112-04-S	Spacer, grass screen (4)	4	25-139	
	5	25-086-47-S	Bolt, shoulder (4)	5	M-5450	
	6	24-157-03-S	Fan	v	111-04-04	
	7	12-086-14-S		6	M-054	
	•		M10x1.5x46	•	MI-004.	
	8	12-468-03-S	Washer, plain 3/8".	7	M-0551	
	<u>9</u>	X-42-15-S	Key	•	10-000	
	10	24-025-04-S	Flywheel	8	M-064	
	11	25-403-03-S		Ũ	101 0040	
	12	X-25-92-S	Washer, plain 3/16" (2)	9	24-146	
	13	24-086-18-S	Screw, phillips hd. 11-16x7/	10	24-146	
			8 (2)	11	24-063	
	14	236602-S	Connector (3 contact)			
	15	54-755-09-S	Kit, 15 amp stator	12	24-063	
			(Includes 24 126 71)	13	24-063	
	16	12-132-06-S	Spark Plug (2)			
	17	M-548025-S	Screw, hex. cap M5x0.8x25 (2)	14 15	24-063 M-5450	
	18	48-154-02-S	Člip, cable			
	19	X-25-63-S	Washer, plain 1/4"			
	20	24-584-01-S	Module, ignition (2)	NOT	ILLUST	
	21	M-545020-S	Screw, hex flange		24-096	
			M5x0.8x20 (4)		24-086	
	24	2-351-73-S	Clip, cable			
NOT ILLUSTRATED AIR INTAKE						
		24-126-71-S		AIGB	TARE/F	
		X-22-11-S	Washer, lock 1/4"	KEY	PART	
		24-176-79-S	Harness, wiring	NO.	NO.	
			Lead, black (rectreg. 5" -	NO.	110.	
	÷		12 gauge	1	24-164	
		25-518-28-S	insulated grip barrel	ź	M-6510	
			eyelets	-		
		24-113-18-S	Decal, grass screen	3	24-041	
		12-454-03-S	Tie, wire	4	24-041	
			. –	5	24-094	
				ě	24-041	

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	24-027-20-S	Housing, blower (Includes 2-4)
		(Incl. M-0545010 & 24 063 36)
	24-100-01-S	Nut, plastic (3)
	24-100-02-S	Nut, plastic (2)
	25-139-16-S	Plug, button 9/16"
	M-545020-S	Screw, hex. flange
	111-040020-0	M5x0.8x20 (4)
	M.0545016 C	
	M-0545010-5	Screw, hex. flange
	14 0554040 0	M5x0.8x16 (3)
	M-0551016-S	Screw, hex. flange
		M5x0.8x16
	M-0645016-S	Screw, hex. flange
		M6x1.0x16 (6)
	24-146-16-S	Plate, backing - # 2 side
0	24-146-20-S	Plate, backing - # 1 side
1	24-063-20-S	Baffle, cylinder barrel-# 2
		side
2	24-063-14-S	Baffle, valley - #2 side
2 3	24-063-30-S	Baffle, cylinder barrel-# 1
•		side
4	24-063-23-S	Baffle, valley - #1 side
5	M-545010-S	Screw, hex. flange
	10-343010-3	
		M5x0.8x10 (2)
тог	ILLUSTRATED	
	24-096-66-S	-
	29-W/0-00-5	Cover control

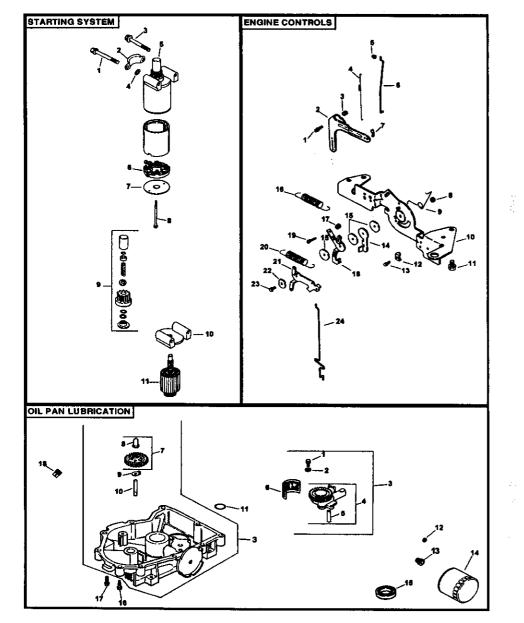
DESCRIPTION

24-0 <del>96-66-</del> S 24-086-06-S			hd.	11-16x3/
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#### AKE/FILTRATION

KEY NO.	PART NO.	DESCRIPTION
1	24-164-06-S	
2	M-651055-S	Screw, hex. flange M6x1.0x55 (4)
3	24-041-01-S	Gasket, intake manifold (2)
4	24-041-14-S	Gasket, air cleaner base
5	24-094-18-S	
6	24-041-13-S	
7	24-109-09-S	
8	24-083-05-S	Precleaner, element
9	24-083-03-S	Element, air cleaner
10	231032-S	Seal, breather
11	24-096-01-S	Cover, inner alr cleaner
12	12-100-01-S	Wing Nut
13	24-096-73-S	Cover, air cleaner
14	54-755-01-S	Kit, knob with seal (Includes 15 & 16)
15	25-341-03-S	
16	24-153-15-S	O-Ring

**NOTE:** All component dimensions given in U.S. inches 1 inch = 25.4 mm



#### STARTING SYSTEM

#### OIL PAN/LUBRICATION

KEY PART

KEY NO.	PART NO.	DESCRIPTION
1	M-839070-S	Screw, hex. flange M8x1.25x70
2	24-096-05-S	Cover, pinion
2 3	M-839080-S	Screw, hex. flange M8x1.25x80
4	12-468-01-S	Washer, plain 11/32" (3)
4 5	25-098-05-S	
6 7	12-221-01-S	Kit, brush
7	12-227-13-S	Сар
8	12-211-01-S	Bolt, thru (2)
9	12-755-54-S	
10	12-227-06-S	
11	12-170-05-S	Armature

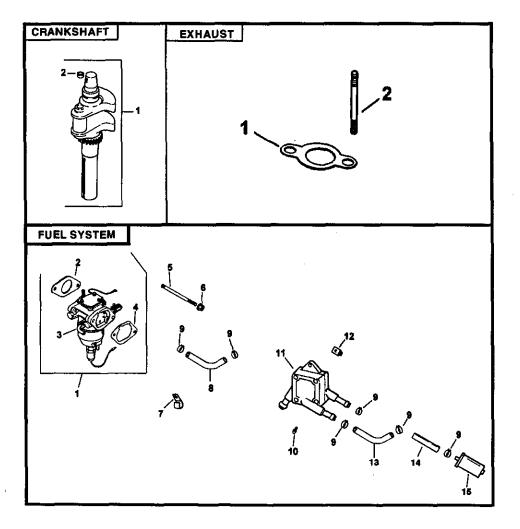
#### ENGINE CONTROLS

KEY NO.	PART NO.	DESCRIPTION
1	M-642025-S	Screw, hex. flange M6x1.0x25
2	24-090-14-S	Lever, governor
3	M-641060-S	Nut, hex. flange M6x1.0
4	24-089-01-S	Spring, linkage
2 3 4 5 6	25-158-08-S	Bushing, linkage retaining
6	24-079-04-S	Linkage, throttle
7	25-158-11-S	Bushing, throttle linkage
8	M-547050-S	Nut, hex. lock M5x0.8
9	24-089-03-S	Spring, choke return
10	24-126-56-S	Bracket, control
11	M-645016-S	Screw, hex. flange
		M6x1.0x16 (4)
12	12-237-01-S	Clamp, cable (2)
13	24-086-43-S	Screw, hex. flange
		M5x0.8x16 (2)
14	24-090-07-S	Lever, thorttle actuator
15	24-468-01-S	Washer, plain 5.5 mm (3)
16	24-089-18-S	Spring, governor
17	M-446030-S	Nut, hex M4x0.7
18	24-090-13-S	Lever, throttle control
19	M-545020-S	Screw, hex. flange
		M5x0.8x20
20	24-089-51-S	Spring, throttle limiter
21	24-090-05-S	Lever, choke
22	41-468-03-S	Washer, spring 1/4
23	M-403025-S	Screw, hex. cap M4x0.7x25
24	24-079-05-S	Linkage, choké

24 24-070 NOT ILLUSTRATED M-545016-S Screw, hex. flange M5X0.8X16 (Goes into 24-126-56 as a positive throttle stop)

KEY NO.		DESCRIPTION
1	M-645025-S	Screw, hex. flange M6x1.0x25 (2)
2 3	M-631005-S	Washer, plain 6 mm (2)
3	24-199-07-S	Pan, oil assembly (Includes 1,2,&4-10)
4	24-393-08-S	Oil pump assembly (Includes 5)
5	24-123-05-S	Tube, oil pickup
5 6 7	24-162-26-S	Screen, oil
7	24-043-12-S	Kit, governor gear w/pin (Includes 8)
8	12-380-01-S	Pin, governor regulating
9	52-448-02-S	Tab, locking
10	12-144-02-S	Shaft, governor gear
11	24-153-08-S	
12	X-75-32-S	Plug, hex. ctsk. 3/8*
13	24-136-01-S	Nipple, oil filter
14	52-050-02-S	Filter, oil
15	52-032-08-S	Seal, oil (PTO end)
16	24-086-17-S	Screw, hex. flange M8x1.25x45
17	24-086-16-S	
18	X-75-10-S	Plug, sq. hd. solid 3/8"

N.P.T.F. NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm



#### CRANKSHAFT

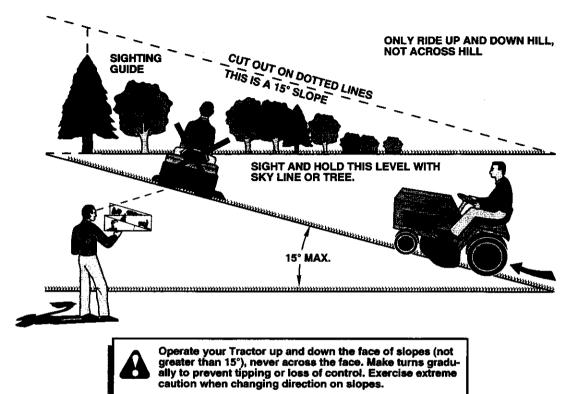
#### FUEL SYSTEM

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	24-014-72-S 52-139-09-S	Crankshaft (Includes 2) Plug, cup	1	24-853-61-S	Kit, carburetor w/gaskets (Includes 2-4)
EXHA	Het		2 3	24-041-15-S	Gasket, carburetor
	1031		3	24-003-01-3	Carburetor assembly (For information only not
KEY	PART	DEGENERAL	-		available separately)
NÔ.	NO.	DESCRIPTION	5 6	M-629095-S M-641060-S	Stud, M6x1.0x95 (2) Nut, hex. flange M6x1.0 (2)
1	24-041-02-S	Gasket, exhaust (2)	v	1000-3	Nut, nex. liange Mox 1.0 (2)
2	25-072-04-S	Stud, M8x1.25x33 (4)	7	47-154-01-S	Clip, cable
	24 755 103-8	Conket Cot	8 9	52-353-22-S X-426-9-S	Line, fuel 12" (2)
	24 755 103-6	Caskel Sel	10	24-086-12-S	
			11	24-393-16-S	Pump, fuel - pulse
			12	24-100-01-S	Nut, plastic (2)
			13 14		Line, Fuel 10 5/8" Line, fuel 11-1/2"
			15	24-050-02-S	

**NOTE:** All component dimensions given in U.S. inches 1 inch = 25.4 mm

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