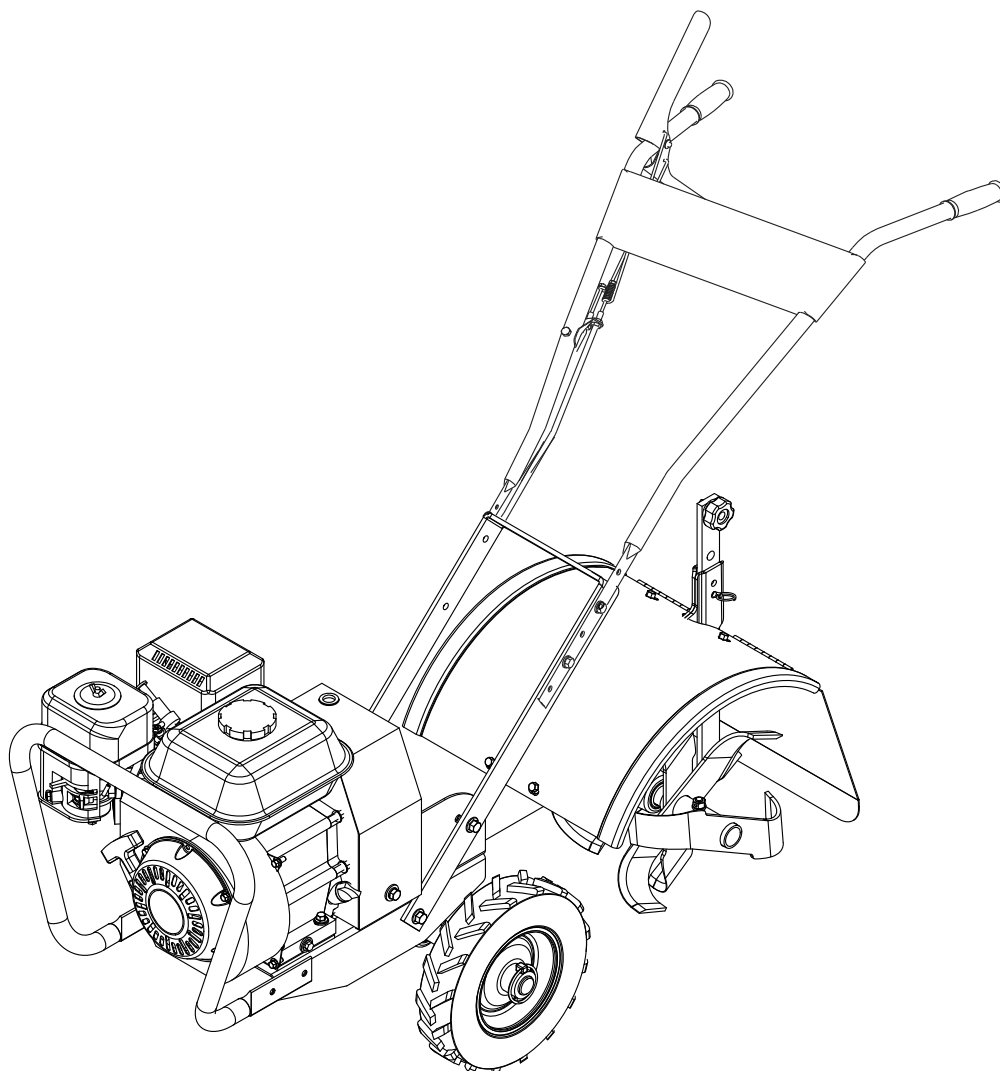




Operator's Manual
CRT Rototillers
5040
6040E



5040
BRIGGS & STRATTON
4-CYCLE 206CC
8.50 FT-LBS GROSS TORQUE

6040E
VIPER ELECTRIC
4-CYCLE, 196 CC



1-YEAR LIMITED WARRANTY

Terms and Conditions

Ardisam, Inc., a manufacturing company, warrants this **EARTHQUAKE® CRT ROTOTILLER** to be free from defects in the material or workmanship for a period of one year from the date of purchase. During the one year warranty of this product, Ardisam will furnish 100% parts and labor to correct any defect caused by faulty material or workmanship. Any unit used in a commercial application is covered for a period of 90 days after purchase.

If warranty work needs to be done, contact your place of purchase or Ardisam, Inc. for an authorized service center in your area. Ardisam will make the necessary repairs if a service center is not available. **To obtain warranty service and/or replacement instructions, you must have prior approval from Ardisam before shipping your package to us by calling our customer service department at 800-345-6007 Monday through Friday from 8 a.m. to 5 p.m. CST for a return material authorization number (RMA#).** All items must be shipped prepaid. Ardisam, Inc. will at no charge, repair or replace, at their discretion, any defective part which falls under the conditions stated above.

Ardisam retains the right to change models, specifications and price without notice. This product if used as intended, will give you years of trouble free service. We hope you will enjoy the quality of our products for years to come.

For replacement parts, phone 800-345-6007 or go online to www.GetEarthquake.com.

This warranty applies to the original owner with a proof of purchase and is not transferable. It supersedes all other warranties either expressed or implied and all other obligations to liabilities on our part. Ardisam, Inc. does not assume, and does not authorize any other person to assume for us, any liability in connection with the sale of our products.

The warranty applies only to products which have not been subjected to negligent use, misuse, alteration, accident or repairs made by anyone not certified by Ardisam, Inc. This guarantee is void unless the warranty card is properly filled out and received by Ardisam, Inc., within 30 days of purchase or go to www.GetEarthquake.com for online registration.

REGISTRATION, SERVICE AND MAINTENANCE LOG

Record the model number and serial number in the space provided for easy reference. Warranty is valid only if the completed registration is received by Ardisam, Inc. within 30 days of purchase. If you do not have a computer, call our customer service department at (800) 345-6007 Mondays through Fridays from 8 a.m. to 5 p.m. CST.

OWNERSHIP RECORDS		
Owner's Name:		
Owner's Address:		
City:	State/Province:	Zip Code/Postal Code:
Model Number:	Serial Number:	
Date of Purchase:		
Notes:		



INTRODUCTION

THANK YOU . . .

for purchasing an Earthquake® counter rotating rear-tine rototiller from Ardisam, Inc., and congratulations on your investment in quality. We have worked to ensure that this rear-tine rototiller meets the highest standards for usability and durability. With proper care, your rototiller will provide many years of service. Please take the time to read this manual carefully to learn how to correctly operate and maintain your rototiller. This manual should be considered a permanent part of your rototiller. Due to continuous efforts to perfect our product, certain procedures and specifications are subject to change without notice.

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This Instruction Book may contain information for more than one model. Read and keep this book for future reference. This book contains important information on SAFETY, ASSEMBLY, OPERATION, AND MAINTENANCE. The owner must be certain that all the product information is included with the unit. This information includes the INSTRUCTION BOOKS, the REPLACEMENT PARTS and the WARRANTIES. This information must be included to make sure state laws and other laws are followed.

Earthquake reserves the right to change, alter or improve the product and this document at any time without prior notice. Because of continual product development, your product may differ slightly from that illustrated in the manual.

SAFETY

OWNER'S RESPONSIBILITY

Accurate assembly and safe and effective use of the roto-tiller is the owner's responsibility.

- Read and follow all safety instructions.
- Carefully follow all assembly instructions.
- Maintain the tiller according to directions and schedule included in this Earthquake operator's manual.
- Ensure that anyone who uses the tiller is familiar with all controls and safety precautions.

SPECIAL MESSAGES

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

IMPORTANT SAFETY PRECAUTIONS

Please read this section carefully. Operate the tiller according to the safety instructions and recommendations outlined here and inserted throughout the text. Anyone who uses this tiller must read the instructions and be familiar with the controls. Your tiller is equipped with a safety device that enables you to stop the wheels and tines quickly in an emergency. Learn how the drive safety control lever operates and how to control the tiller at all times.



This symbol points out important safety instructions which if not followed could endanger your personal safety. Read and follow all instructions in this manual before attempting to operate this equipment.

- Do not allow children to operate this rototiller. Keep small children away from the area being tilled. Do not allow adults to operate the tiller without proper instruction.

PREPARATION

- Dress appropriately when operating the tiller. Always wear sturdy footwear. Never wear sandals, sneakers, or open shoes, and never operate the tiller with bare feet. Do not wear loose clothing that might get caught in moving parts.
- Carefully inspect the area to be tilled and remove all foreign objects. Do not till above underground water lines, gas lines, electric cables, or pipes. Do not operate the tiller in soil with large rocks and foreign objects which can damage the equipment.
- Disengage all clutches and leave all control levers in the neutral position before starting the engine.
- Handle fuel with care; it is highly flammable.
 - a. Use an approved fuel container.
 - b. Never add fuel to a running engine or hot engine.

DANGER

DANGER INDICATES A SERIOUS INJURY OR FATALITY WILL RESULT IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

WARNING

WARNING INDICATES A SERIOUS INJURY OR FATALITY COULD RESULT IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

CAUTION

CAUTION INDICATES YOU CAN OR YOUR EQUIPMENT CAN BE HURT IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

IMPORTANT

IMPORTANT INDICATES HELPFUL INFORMATION FOR PROPER ASSEMBLY, OPERATION, OR MAINTENANCE OF YOUR EQUIPMENT.

WARNING

YOU MUST READ, UNDERSTAND AND COMPLY WITH ALL SAFETY AND OPERATING INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO SETUP AND OPERATE YOUR ROTOTILLER.

FAILURE TO COMPLY WITH ALL SAFETY AND OPERATING INSTRUCTIONS CAN RESULT IN LOSS OF MACHINE CONTROL, SERIOUS PERSONAL INJURY TO YOU AND/OR BYSTANDERS, AND RISK OF EQUIPMENT AND PROPERTY DAMAGE. THE TRIANGLE IN THE TEXT SIGNIFIES IMPORTANT CAUTIONS OR WARNINGS WHICH MUST BE FOLLOWED.

CALIFORNIA PROPOSITION 65 WARNING

ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

- c. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.
- d. Replace gasoline cap securely and clean up spilled fuel before restarting.
- Never attempt to make any adjustments while the engine is running.

OPERATION

- Never operate the tiller without guards, covers, and hoods in place.
- Never start the engine or operate the tiller with the wheels in the free-wheel position. Make sure the wheel lock pins are engaged through the wheel hubs and wheel axle. The wheels act as a brake to keep the tiller at a controlled speed. Disengage wheel lock pins to permit free-wheeling only when engine is stopped.
- Keep hands, feet, and clothing away from rotating parts. Keep clear of tiller tines at all times.
- Tines and wheels rotate when tiller is engaged in **forward** or **reverse**-- in **forward**, tines and wheels rotate when the drive safety control lever, labeled "FORWARD", is pulled toward the handlebar. In **reverse**, wheels and tines rotate when the drive safety control lever, labeled "REVERSE", is pulled toward the handlebar. Releasing the drive safety control levers to the **neutral** position stops the wheels and tines. Do not operate both drive safety control levers at the same time.
- Be extremely cautious when operating in **reverse**. Take extra care to avoid slipping or falling, and keep hands and feet clear of tines.
- Use extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- After striking a foreign object, stop the engine, remove the wire from the spark plug, thoroughly inspect the tiller for any damage, and repair the damage before restarting and operating the tiller.
- If vegetation clogs the tines, raise the handlebars to elevate the tines, and run the tiller in **reverse**. If this does not clean clogged vegetation from the tines, STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE before removing vegetation by hand.
- Engine muffler will be hot from operation. Do not touch it with bare skin or a severe burn may result.
- If the unit should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Do not run the engine indoors; exhaust fumes are deadly.
- Do not overload the machine capacity by attempting to till too deep at too fast a rate.
- Never operate the machine at high transport speeds on slippery surfaces. Look behind and use care when backing.

IMPORTANT

THE RIGHT AND LEFT SIDES OF YOUR ROTOTILLER ARE DETERMINED FROM THE OPERATING POSITION AS YOU FACE THE DIRECTION OF FORWARD TRAVEL.



ENGINE IS SHIPPED FROM FACTORY WITHOUT OIL. YOU MUST ADD ENGINE OIL BEFORE STARTING ENGINE.

- Never allow bystanders near the unit.
- Use only attachments and accessories approved by the manufacturer of the tiller.
- Never operate the tiller without good visibility or light.
- Be careful when tilling in hard ground. The tines may catch in the ground and propel the tiller backward. If this occurs, let go of the handlebars and do not restrain the machine.
- Take all possible precautions when leaving the machine unattended. Disengage all control levers, stop the engine, wait for all moving parts to stop, and make certain guards and shields are in place.
- When leaving the operating position for any reason:
 - shut off the engine.
 - wait for all moving parts to stop.

MAINTENANCE AND STORAGE

- Keep machine, attachments, and accessories in safe working condition.
- Check shear bolts, engine mounting bolts, and other bolts at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- To prevent accidental starting, always disconnect and secure the spark plug wire from the spark plug before performing tiller maintenance.
- Never run the engine indoors. Exhaust fumes are deadly.
- Always allow muffler to cool before filling fuel tank.
- Never store equipment with gasoline in the tank inside a closed building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any building.
- Always refer to the operator's guide instructions for important details if the tiller is to be stored for an extended period.
- Add a fuel stabilizer to gas tank and run for 10-15 minutes to prevent fuel from gumming up during an extended storage period.

SAFETY DECALS

This rototiller unit has been designed and manufactured to provide you with the safety and reliability you would expect from an industry leader in outdoor power equipment manufacturing.

Although reading this manual and the safety instructions it contains will provide you with the necessary basic knowledge to operate this equipment safely and effectively, we have placed several safety labels on the tiller to remind you of this important information while you are operating the unit.

These important safety labels are illustrated below, and are shown here to help familiarize you with the location and content of the safety messages you will see as you perform normal tilling operations. Please review these labels now. If you have any questions regarding their meaning or how to comply with these instructions, reread the complete safety instruction text on the preceding pages, or contact your local dealer.

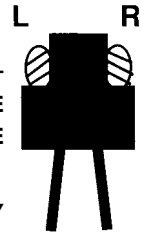
Should any of the safety labels become unreadable

! IMPORTANT

THE RIGHT AND LEFT SIDES OF YOUR ROTOTILLER ARE DETERMINED FROM THE OPERATING POSITION AS YOU FACE THE DIRECTION OF FORWARD TRAVEL.

ENGINE IS SHIPPED FROM FACTORY WITHOUT OIL. YOU MUST ADD ENGINE OIL BEFORE STARTING ENGINE.

TILLER TRANSMISSION IS SHIPPED FROM FACTORY WITH THE PROPER AMOUNT OF LIQUID GREASE.



because of being worn, faded, or otherwise damaged during the use of your tiller, please use the part number information provided to order a replacement label from your local authorized dealer.

The safety labels are easily applied, and will act as a constant visual reminder to you, and others who may use the equipment. Follow the safety instructions necessary for safe, effective operation of your rototiller.

! WARNING

AVOID SERIOUS INJURY

- Read operator's manual(s) before operating.
- Know the location and function of all controls.
- Keep all shields and guards in place and working while running.
- Never allow children to operate tiller.
- Dress appropriately — wear sturdy footwear.
- Carefully inspect area to be tilled — remove large rocks and other foreign objects.
- Do NOT till above underground electric, water, gas, or other utility lines and pipes.
- STOP THE ENGINE AND DISCONNECT THE SPARK PLUG WIRE before removing debris or servicing unit.
- When leaving the operating position for any reason:
 - shut off the engine.
 - wait for all moving parts to stop.

! WARNING

WHEELS ACT AS BRAKES

- Never start or operate tiller with wheels in the Free-Wheel position. Make sure wheel lockouts are engaged through wheel hubs and axle.
- Wheels act as brakes to keep the tiller at a controlled speed. Disengage wheel lockouts ONLY when engine is stopped.

OPERATION

REFER TO OPERATOR'S MANUAL FOR DETAILED OPERATING INSTRUCTIONS TO START:

1. Release drive control levers to neutral position.
2. Lower the drag stake so that tines do not touch the ground.
3. Check position of wheels and wheel lockouts.
4. Slide choke control to choke position.
5. Move throttle control lever to fast position.
6. Pull starter rope.

! DANGER



AVOID INJURY FROM ROTATING TINES!

Keep hands, feet, and clothing away.

- Tines rotate when tiller is engaged in forward or reverse.
- Tines and wheels rotate when drive control levers are pulled toward the handle bar. Do not operate both drive control levers at the same time.
- In reverse, tines and wheels rotate when the reverse control lever is pulled up
- Releasing the drive control levers to the neutral position stops the wheels and tines.

Part No. LBL516AA
WARNING INSTRUCTIONS
Hood Decal

! WARNING!

DO NOT START ENGINE UNLESS BELT COVER IS ATTACHED. KEEP HANDS, FEET, AND CLOTHING AWAY FROM MOVING BELTS AND PULLEYS. FAILURE TO COMPLY COULD RESULT IN INJURY. SEE OWNER'S MANUAL FOR FULL SAFETY INSTRUCTIONS.

Part No. LBL516C
WARNING
Belt Cover Decal

PLACE FREE
HAND HERE

Part No. LBL516F
FREE HAND HERE
Bumper Guard Decal

Part No. LBL516J
TINES DANGER
Hood Flap Decal

UNPACKING AND ASSEMBLY

Your rototiller comes fully assembled except for a few parts. The following instructions will help you unpack your tiller and assemble and adjust your tiller's depth regulator lever, cable tension and handlebar height. You will need 2- 9/16" wrenches.

UNPACK TILLER

1. Open top of carton and remove handlebar assembly.
2. Find parts packet. Parts packet contains:
 - 4- 3/8-16 x 3/4" hex head bolts
 - 4- 3/8-16 locknuts
 - 1- 5/16-18 x 3/4" hex head bolt
 - 1- detent pin
 - 1- five star knob
3. Cut open all corners of carton, lay flat, and remove machine by:
 - a. Remove two bolts from packing frame.
 - b. Lift tiller body from frame. DO NOT attempt to remove the unit by yourself.

INSTALL BATTERY BOX (6040E)

NOTE: The battery box assembly comes already mounted on the lower handlebar mount.

1. Remove and discard bolts and nuts that are holding the battery box assembly to the lower handlebar mount. Carefully set aside battery box so that wiring remains intact.

ATTACH HANDLEBAR TO TILLER

1. Place handlebar stems on outside of lower handlebar mount and align lower holes. (SEE FIGURE 1)
2. Insert one 3/8-16 x 3/4" bolt for each side in lower holes at the desired handlebar height.
3. Start 3/8-16 nuts on each bolt.
4. Insert one 3/8-16 x 3/4" bolt for each side in upper holes.
5. Start 5/16" washers and 3/8-16 nuts on each bolt.
6. Place notches of battery box support over the four bolts between lower handlebar mount and nuts.
7. Tighten all 3/8-16 nuts.
8. Remove the battery box cover and plug the white plastic connector from the battery into the mating white plastic connector in the battery box. Make sure the ignition key is removed from the ignition before connecting the wiring for the battery. Replace battery box cover.
9. **PROPER BELT TENSION IS CRITICAL TO GOOD PERFORMANCE.** After 1/2 hour of operation, all cables may have to be adjusted due to initial stretch. Thereafter, check tension after every 2 hours of operation.

To increase belt tension: (SEE FIGURE 5 ON PAGE 13)

1. Loosen upper jam nut. Turn nut up cable in 1/8" increments.
 2. Tighten lower jam nut.
 3. Check adjustment.
- This procedure can be repeated until conduit adjustment bolts are fully adjusted. If no more adjustment can be made, belt may have to be replaced.

CAUTION

DO NOT TRY TO LIFT THE ROTOTILLER FROM THE CARTON.

DO NOT ADD ENGINE OIL INTO GEAR CASE DIPSTICK HOLE.

FILL ENGINE CRANKCASE

1. Add oil according to engine manual. Do not overfill. Use a clean, high quality detergent oil. Container must be marked A.P.I. Service SF - SJ. Use no special additives with recommended oils. Do not mix oil with gasoline. Oil level must be full. Check the oil level by removing oil fill plug. Oil level should be up to the bottom of the fill plug opening.
2. Always check oil level before starting engine. Refer to engine manual for capacity and type of oil to use.

ATTACH WHEELS

1. Slide wheels onto axles.
2. Insert lock pin into hole in axle.

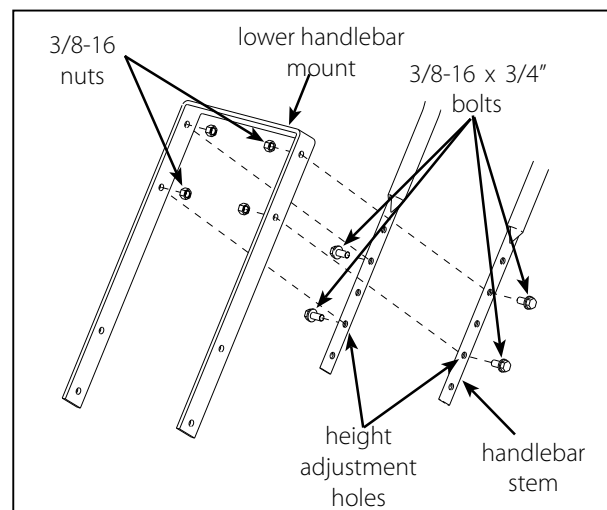
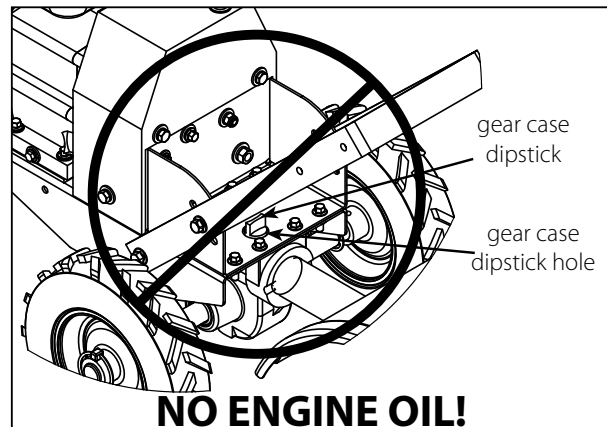
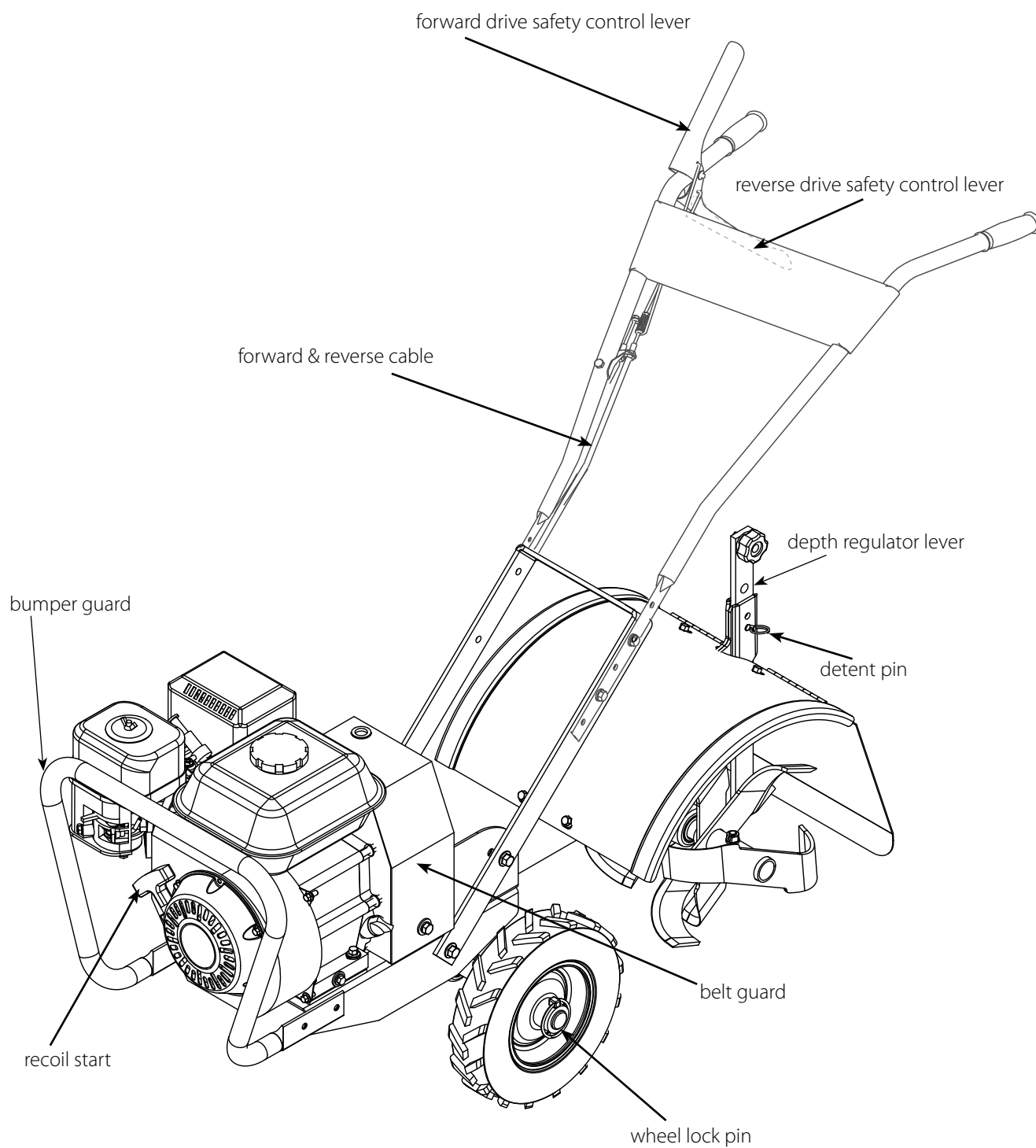


Figure 1

FEATURES



OPERATION

PRE-START INSPECTION

1. Make sure all safety guards are in place and all nuts and bolts are secure.
2. Check oil level in engine crankcase. See your engine manual for procedure and specifications.
3. Inspect air cleaner for cleanliness. See your engine manual for procedure.
4. Check the fuel supply. Fill the fuel tank no closer than 1 inch from top of tank to provide space for expansion. See your engine manual for fuel recommendations.
5. Be sure spark plug wire is attached and spark plug is tightened securely.
6. Check position of wheels and wheel lockouts. Always check tires for proper inflation (20 PSI)
7. Check depth regulator lever position.
8. Examine underneath and around engine for signs of oil or fuel leaks.
9. Inspect fuel hoses for tightness and fuel seepage.
10. Look for signs of engine damage.
11. Remove excessive debris from muffler area and recoil starter.

START-UP

The controls required to start and run the rototiller are located on the engine and are marked "Choke" and "Throttle".

A more detailed description of engine operation and all related precautions and procedures can be found in the engine manufacturer's manual that accompanies each tiller.

COLD STARTS

1. Move choke lever to full choke position.
2. Move throttle lever to "start." On electric start models, turn the "ON/OFF" switch to "ON."
3. Pull starting rope out slowly one time and allow to return normally.
4. Pull starting rope out rapidly, and allow rope to return normally. For electric start models, turn ignition key to "START" position and hold until the engine starts. Then release the key to the "ON" position.
5. When engine starts, gradually move choke lever to "no choke" position and increase throttle speed.

Restarting A Warm Engine

Restarting an engine that is already warm from previous running does not normally require use of the choke.

1. Move throttle lever to "start" position.

DANGER

ALWAYS KEEP HANDS AND FEET CLEAR OF ROTATING MACHINE PARTS.

WARNING

GASOLINE IS HIGHLY FLAMMABLE AND MUST BE HANDLED WITH CARE. NEVER FILL THE TANK WHEN THE ENGINE IS HOT OR RUNNING. ALWAYS MOVE OUTDOORS TO FILL THE TANK.

WHEELS MUST ALWAYS BE LOCKED IN THE TILLING POSITION WHEN ENGINE IS RUNNING. DO NOT OPERATE THE TILLER WITH THE WHEEL LOCKOUTS UNLOCKED. ALWAYS SET THE WHEELS IN TILLING POSITION BEFORE STARTING ENGINE.

ALWAYS PUT THE DEPTH REGULATOR LEVER IN THE TRANSPORT POSITION BEFORE STARTING ENGINE. TINES SHOULD CLEAR THE GROUND.

CAUTION

PLEASE DO NOT START YOUR TILLER UNTIL YOU HAVE READ THE MANUAL THAT CAME WITH YOUR ENGINE, AND THE SECTIONS IN THIS MANUAL TITLED CONTROLS, ADJUSTMENTS AND SAFETY. IF YOU HAVE READ THESE, FOLLOW THE STEPS BELOW TO START YOUR TILLER. ALWAYS PERFORM THIS PRE-START CHECKLIST BEFORE STARTING THE ENGINE.

IMPORTANT

ENGINE IS SHIPPED FROM FACTORY WITHOUT OIL. YOU MUST ADD ENGINE OIL BEFORE STARTING ENGINE.

2. Pull starting rope out rapidly until engine starts. Allow rope to return normally. Repeat until engine starts. On electric start models, turn ignition key to "START."
3. Adjust throttle speed to "high" for best tiller action.

IDLE SPEED

Use the "low" position on the throttle lever to reduce stress on the engine when tilling is not being performed. Lowering the engine speed to "idle" will help extend the life of the motor, as well as conserve fuel and reduce the noise level of the equipment.

OPERATING SPEED

For normal tilling, set the throttle lever to "fast".

SHUTTING DOWN

To stop the engine at any time, move throttle control to the off position. On electric start models, turn the ignition key to the "OFF" position. To stop wheels and tines at any time, release drive safety control levers to neutral position.

TILLING

1. Adjust the depth regulator lever to desired tilling depth.

NOTE: Raise depth regulator lever up one hole at a time, testing tiller operation after each raise. Raising depth regulator lever too high can result in loss of control of tiller!

2. Move the throttle control to **fast**.
3. Place the tiller in **forward** by pushing down on the drive safety control lever labeled "FORWARD"--this will engage the wheels and tines.

NOTE: You can slow the tiller's forward advance at any time by putting slight downward pressure on the handlebars. You can stop the tiller by releasing the drive safety control levers to the neutral position.

DANGER

ENGINE AND SURROUNDING PARTS BECOME EXTREMELY HOT DURING NORMAL USE AND WILL CAUSE SERIOUS BURN INJURIES IF TOUCHED BEFORE THE ENGINE HAS COOLED.

ALLOW ENGINE TO COOL COMPLETELY BEFORE TOUCHING THESE HOT SURFACES.

WARNING

TEMPERATURE OF MUFFLER AND NEAR BY AREAS MAY EXCEED 150° F. AVOID THESE AREAS.

DO NOT MOVE CHOKE CONTROL TO CHOKE TO STOP ENGINE. BACKFIRE OR ENGINE DAMAGE MAY OCCUR.

TO STOP WHEELS AND TINES AT ANY TIME, RELEASE DRIVE SAFETY CONTROL LEVERS TO NEUTRAL POSITION.

ALWAYS RELEASE DRIVE SAFETY CONTROL LEVERS TO NEUTRAL POSITION BEFORE ADJUSTING THE DEPTH OF THE REGULATOR LEVER.

IMPORTANT

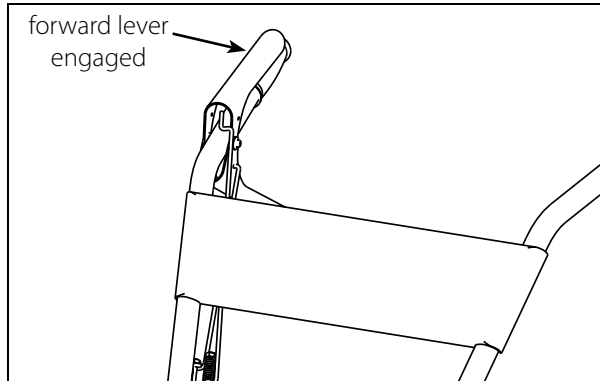
PRACTICE OPERATING THE CONTROLS AND TILLER WITH TINES OUT OF GROUND BEFORE BEGINNING TO TILL. IT IS IMPORTANT THAT YOU KNOW HOW TO USE THE TILLER PROPERLY, KEEP CONTROL AT ALL TIMES, STOP THE TINES AND WHEELS FROM TURNING, AND STOP THE ENGINE IF NECESSARY. IF YOU DO NOT KNOW HOW TO DO THESE THINGS, READ THE CONTROLS, ADJUSTMENTS AND SAFETY SECTIONS BEFORE PROCEEDING.

DRIVE SAFETY CONTROL LEVERS

FORWARD LEVER

Engages wheels forward and tines into counter rotation to the wheels.

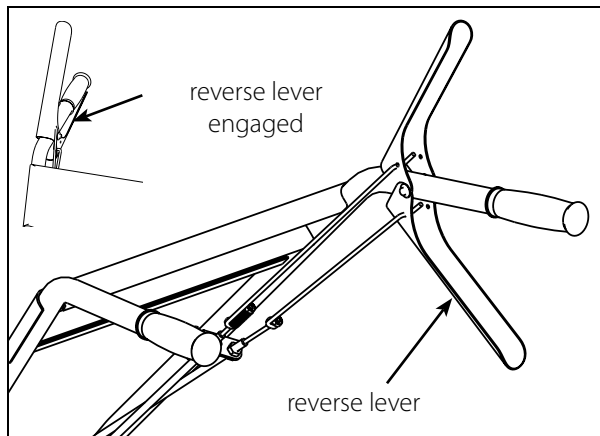
Pulling the drive safety control lever labeled (FORWARD) toward the handlebar engages the wheels and tines. Releasing the lever stops the wheels and tines and brings the tiller to a complete stop.



REVERSE LEVER

Engages wheels into reverse and tines into counter rotation to the wheels.

Pulling the drive safety control lever labeled (REVERSE) toward the handlebar reverses tiller. Releasing the lever stops the wheels and tines.



⚠ CAUTION

DO NOT OPERATE BOTH "FORWARD" AND "REVERSE" DRIVE SAFETY CONTROL LEVERS AT THE SAME TIME.

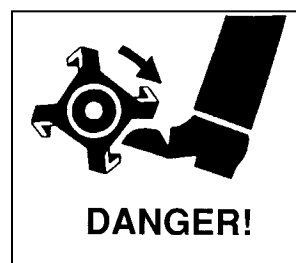
THIS INFORMATION IS PROVIDED HERE ONLY TO INTRODUCE THE CONTROLS. DO NOT START THE ENGINE AT THIS TIME. STARTING AND OPERATING INSTRUCTIONS ARE GIVEN ON PAGE 8. PLEASE READ THIS SECTION AND ALL OPERATING AND SAFETY INSTRUCTIONS BEFORE STARTING YOUR TILLER.

- **AS A SAFETY PRECAUTION, THE DRIVE SAFETY CONTROL LEVERS WILL NOT LOCK IN THE FORWARD OR REVERSE POSITION.**
- **AS A SAFETY PRECAUTION, THE REVERSE DRIVE SAFETY CONTROL LEVER WILL NOT LOCK IN REVERSE.**
- **TO STOP THE WHEELS AND TINES AT ANY TIME RELEASE THE DRIVE SAFETY CONTROL LEVERS OR RELEASE THE REVERSE HANDLE.**
- **DO NOT OPERATE BOTH THE REVERSE AND FORWARD DRIVE SAFETY CONTROL LEVERS AT THE SAME TIME.**

⚠ WARNING

ENGINE SHOULD BE OFF BEFORE ADJUSTING ANY CONTROLS.

EXTREME CAUTION SHOULD BE USED WHEN OPERATING ROTOTILLER IN THE REVERSE DIRECTION.



WHEEL LOCK PINS

Place wheels in tilling position.

1. Remove lock pin. Align hole in axle with hole in wheel hub. (SEE FIGURE 2)
2. Insert lock pin through holes, fold lock pin ring to secure pin to axle.
3. Firmly lock wheel and axle together before tilling.
4. Repeat for other wheel.

NOTE: Always have both wheel lock pins in or out. Do not operate tiller with only one wheel locked.

To place wheels in free-wheel position.

1. Remove lock pin. Slide wheel inward toward machine.
2. Insert pin in axle only.
3. Wheel should turn freely on axle.

HANDLEBAR HEIGHT ADJUSTMENT

Adjust handlebar height.

The ideal height of the handlebar varies with operator height and the depth of tilling. To adjust handlebar height: (SEE FIGURE 3)

1. Unscrew nuts and remove top and bottom bolts on each side.
2. Align handlebar to desired holes on the lower handlebar mount.
3. Install bolts and nuts. Retighten.

⚠ WARNING

NEVER START ENGINE OR OPERATE TILLER WITH WHEELS IN FREE-WHEEL POSITION. THE FREE-WHEEL POSITION IS FOR TRANSPORTING THE TILLER LONG DISTANCES OVER LEVEL GROUND--DO NOT ATTEMPT TO MOVE THE TILLER UP OR DOWN STEEP GRADES IN THE FREE-WHEEL POSITION.

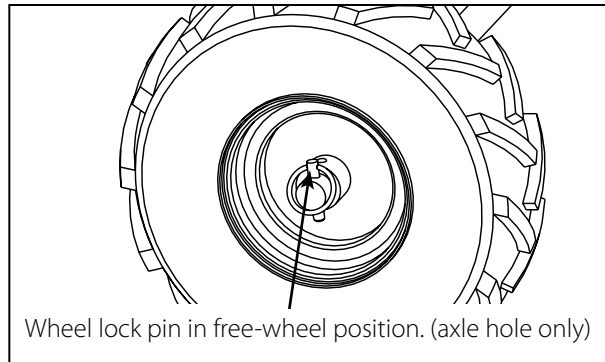


Figure 2

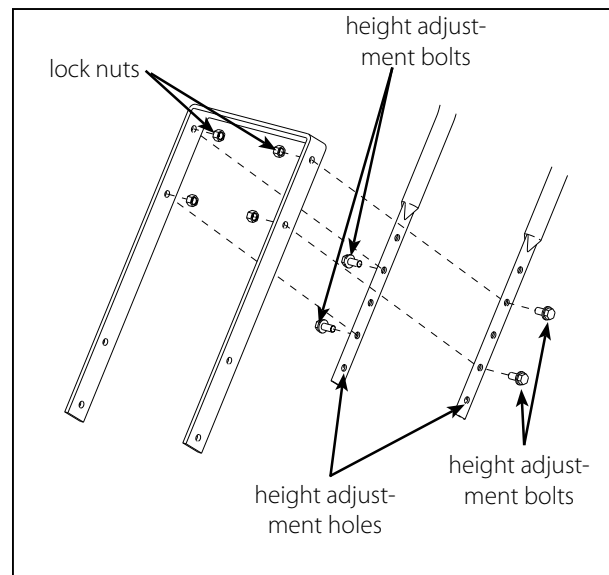


Figure 3

DEPTH REGULATOR LEVER

Tilling depth is controlled by the height of the depth regulator lever.

To adjust tilling depth: (SEE FIGURE 4)

1. Remove detent pin.
2. Raise the depth regulator lever to position tines at chosen tilling depth.
3. Align hole in depth regulator lever with hole in depth regulator bracket and replace detent pin.

Depth Regulator Lever Down = Shallower tilling. Place the detent pin in the top hole of the depth regulator lever for shallowest tilling.

Depth Regulator Lever Up = Deeper tilling. Place the detent pin in the bottom hole of the depth regulator lever for deepest tilling.

BELT TENSION ADJUSTMENT

Proper belt tension is critical to good performance. After 1/2 hour of operation, all cables may have to be adjusted due to initial stretch. Thereafter, check tension after every 2 hours of operation.

To increase belt tension: (SEE FIGURE 5)

1. Loosen upper jam nut. Turn nut up cable in 1/8" increments.
2. Tighten lower jam nut.
3. Check adjustment.

This procedure can be repeated until conduit adjustment bolts are fully adjusted. If no more adjustment can be made, belt may have to be replaced.

⚠ WARNING

DO NOT ADJUST TILLING DEPTH UNLESS DRIVE SAFETY CONTROL LEVERS ARE RELEASED TO NEUTRAL POSITION.

ALWAYS SET THE DEPTH REGULATOR LEVER IN THE TRANSPORT POSITION BEFORE STARTING ENGINE, THAT IS, PLACE THE DETENT PIN IN THE HIGHEST HOLE OF THE DEPTH REGULATOR LEVER.

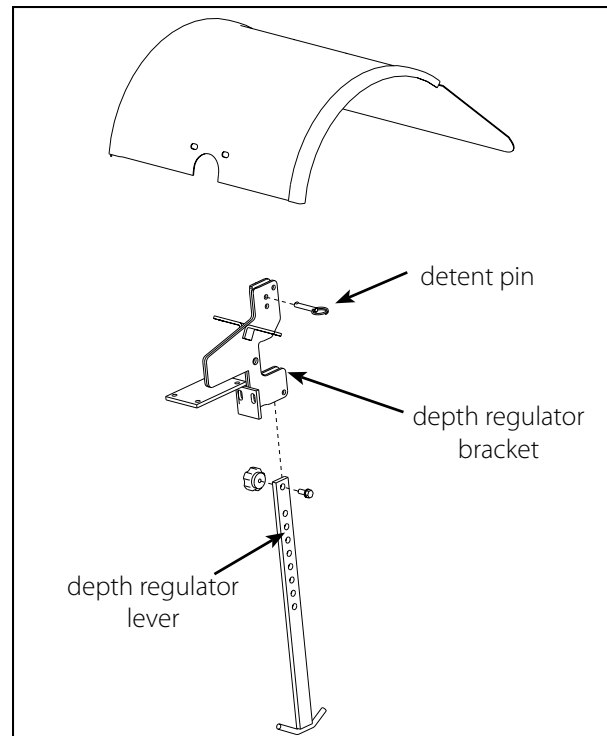


Figure 4

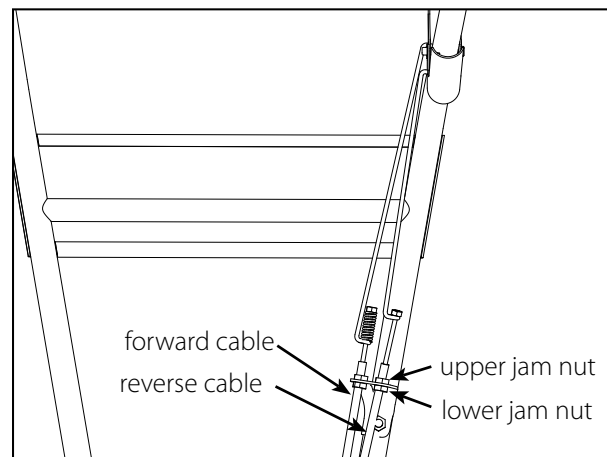


Figure 5

TILLING TIPS

The key to successful tilling is to begin with a shallow cut on the first pass, and then work an inch or two deeper on each successive pass.

- Tilling depth will vary with ground conditions.
- When beginning to till in unbroken ground or in extremely hard soil, set the detent pin in the highest hole of the drag stake (follow instructions under Tilling section). This will allow for shallow tilling. With the drag stake in this position, make several light passes over the area to be tilled. Reset for deeper depths with successive passes.
- If tiller jumps or skids uncontrollably, lower the drag stake by placing the detent pin in a higher hole. This will allow for shallower tilling. Hold firmly to the handlebars to control sudden lurches.
- If weeds, tall grasses, vines, or other materials clog or jam the tines, reverse the tiller to unwind vegetation.

*Immediately release the drive control levers if the tines jam or you strike a foreign object. With drive control levers in neutral position, push throttle control to **stop** position to stop the engine. Disengage the spark plug wire. When tines have stopped, remove foreign objects and check for damage.*

CULTIVATING TIPS

If you plan to use your tiller for cultivating:

- Plant rows on 20" - 22" centers for ease of turning.
- Set the depth regulator lever with the detent pin in one of the higher holes. This will allow for shallow cultivation necessary to turn over weeds, and break up and aerate the soil.

WARNING

EXTREME CAUTION MUST BE TAKEN IN SELECTING TILLING DEPTH. IF YOU ATTEMPT TO TILL TOO DEEPLY FOR SOIL CONDITIONS, THAT IS, WITH THE DRAG STAKE IN TOO HIGH A POSITION,

LOSS OF CONTROL COULD RESULT.

IF REMOVING MATERIAL FROM THE TINES BY HAND, STOP ENGINE AND REMOVE SPARK PLUG WIRE FIRST.

MAINTENANCE

MAINTENANCE SCHEDULE

Your rototiller has been designed and produced by the industry's leading manufacturer of outdoor power equipment to provide you with years of reliable operation.

Keeping your tiller in top running condition will prolong its life, and help you obtain optimum performance.

Please read this normal care schedule, and note the recommended care operating intervals to extend the life of your unit.

Maintenance Operation	Page	Before Each Use	50 hours or Every Season
Change forward/reverse belt	16		X
Engine maintenance	17	X	X
Check or fill engine crankcase with oil	17,EM	X	2
Check tiller transmission grease	17	X	
Check tire pressure	17	X	
Lubrication	18	X	
Clean tine axle shaft	18	X	
Storage	18		X
Check throttle control adjustment	EM		1

EM = See engine manual

1 Adjust throttle control after first 3 hours of operation or if engine is hard to start or run-on occurs.

2 Change oil after first 5-8 hours of use, then after every 50 hours or every season. Change oil every 25 hours when operating under heavy load or in high temperatures.

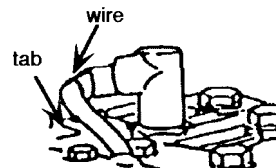
SERVICING THE ROTOTILLER

The following information will help you make the necessary checks and perform the procedures required to follow the normal care recommendations made for your rototiller unit.

If you prefer, your local authorized dealer can make these checks and perform the required procedures for you.

⚠ WARNING

TO PREVENT ACCIDENTAL STARTING:



ENGINE MUST BE TURNED OFF AND COOL, AND SPARK PLUG WIRE MUST BE REMOVED AND SECURED FROM SPARK PLUG BEFORE CHECKING AND ADJUSTING ENGINE OR EQUIPMENT.

CHANGE FORWARD/REVERSE BELT

1. Turn off engine. Engine must be cool.
2. Remove spark plug wire and secure from spark plug.
3. Remove belt guard.
 - remove the forward belt from the forward engine pulley:
 - gently pull the engine recoil rope to rotate the pulley.
 - with the pulley turning, force the forward belt out of the pulley groove.
 - slide the belt free of the engine pulley.
 - pull the forward belt down and out of the way.
 - remove the reverse belt from the reverse engine pulley:
 - gently pull the engine recoil rope to rotate the pulley.
 - with the pulley turning, force the reverse belt out of the pulley groove.
 - slide the belt free of engine pulleys and reverse belt guides.
 - pull belt down and away from transmission pulley.
 - install new reverse belt:
 - thread belt up from bottom.
 - place belt around transmission pulley in groove.
 - place belt under reverse belt guides.
 - gently pull engine recoil rope while forcing the belt over the edge of the engine pulley into the pulley groove.
 - install new forward belt:
 - place forward belt in transmission pulley groove.
 - gently pull the engine recoil rope to rotate the pulley while forcing the forward belt into the V-groove.
4. Replace belt guard.
5. Attach spark plug wire.

⚠ WARNING

TEMPERATURE OF MUFFLER AND NEAR BY AREAS MAY EXCEED 150° F. AVOID THESE AREAS.

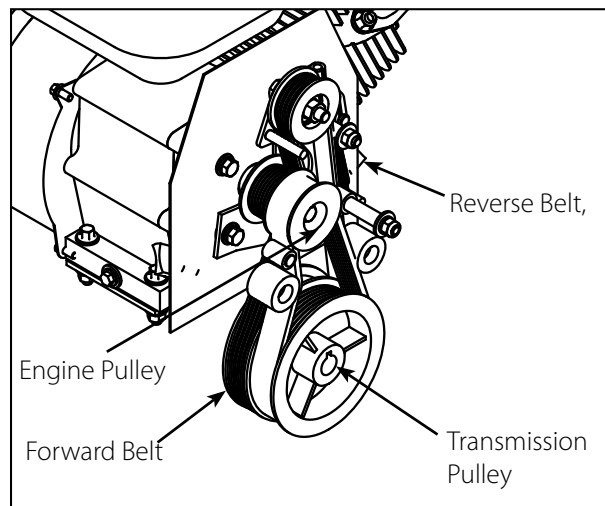
⚠ CAUTION

DO NOT OPERATE TILLER BEFORE READING THE ENGINE MANUAL PROVIDED IN THE PARTS PACKET.

⚠ IMPORTANT

ENGINE CAN OVERHEAT AND BECOME DAMAGED IF DEBRIS BLOCKS THE COOLING SYSTEM OR ROTATING SCREEN.

NEVER RUN ENGINE WITHOUT COMPLETE AIR CLEANER INSTALLED ON ENGINE.

**BELT REPLACEMENT PART #'S:**

332044 (reverse)

332045 (forward)

ENGINE MAINTENANCE

Refer to the engine manual included in your parts packet for information on engine maintenance. Your engine manual provides detailed information and a maintenance schedule for performing the following tasks:

1. Check oil level before each use or after every 8 hours of operation.
2. Change oil after first 5-8 hours of operation. Change oil while engine is warm. Refill with new oil of recommended grade.
4. Check spark plug yearly or every 100 hours of operation.
5. Service air cleaner.
6. Keep engine and parts clean.
7. Check engine and equipment often for loose nuts and bolts, keep these items tightened.

CHECK OR FILL ENGINE CRANKCASE

1. Add oil according to engine manual. Do not overfill. Use a clean, high quality detergent oil. Container must be marked A.P.I. Service SF - SJ. Use no special additives with recommended oils. Do not mix oil with gasoline. Oil level must be full. Check the oil level by removing oil fill plug. Oil level should be up to the bottom of the fill plug opening.
2. Always check oil level before starting engine. Refer to engine manual for capacity and type of oil to use.

CHECK TILLER TRANSMISSION GREASE

Check the grease level annually. To check the grease level:

1. Move tiller to level ground.
2. Remove grease level dipstick located between the handlebar mounts on the engine mount. Correct grease level is indicated between the high and low levels on the dipstick.
3. Replace grease level dipstick in the filler hole.
4. Note that the front wheel transmission and rear tine transmission are one common reservoir. When you add to the front transmission, you must wait a short period of time for the grease to flow rearward and equalize in both front and rear. The dipstick will read correctly on level ground for both gear units.

(Use Mystic 00 transmission fluid PN1690)

CHECK TIRE PRESSURE

Recommended tire pressure is 20 PSI. If tires do not have equal pressure, tiller will pull to one side.

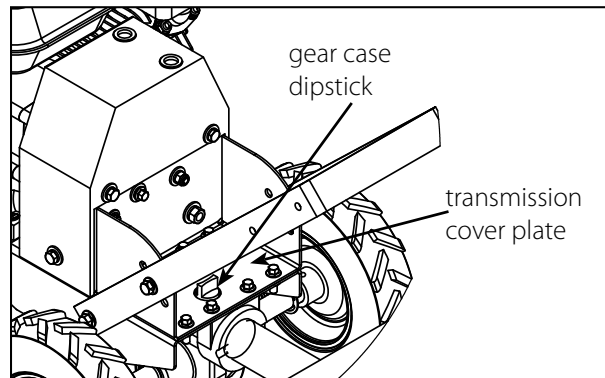
⚠ IMPORTANT

ENGINE IS SHIPPED FROM FACTORY WITHOUT OIL. YOU MUST ADD ENGINE OIL BEFORE STARTING ENGINE.

⚠ IMPORTANT

TILLER TRANSMISSION IS SHIPPED FROM FACTORY WITH THE PROPER AMOUNT OF LIQUID GREASE.

WHEN REPLACING GREASE, THE TILLER TRANSMISSION HOLDS 18-22 OUNCES. DO NOT OVERFILL.



LUBRICATION

Proper lubrication of moving mechanical parts is critical for proper care and maintenance. Oil the moving parts at 10 hour intervals using a 30 weight oil.

CLEAN TINE AXLE SHAFT

1. Turn off engine. Engine must be cool.
2. Remove spark plug wire and secure from spark plug.
3. Tip the tiller forward. Block the tiller in position so that it rests on the engine mount and the tines are exposed.
4. Remove all vegetation, string, wire, and other material that may have accumulated on the axle between the inside set of tines and the seal on the transmission housing.
5. Tip the tiller back to a level position.
6. Replace spark plug wire.

STORAGE

PREPARE FOR STORAGE

Follow the steps below to prepare your tiller for storage. Read your engine manual for detailed instructions on preparing the engine for storage.

1. Protect wheels and axles from rust:
 - Remove lockpin and slide wheel off hub.
 - Coat the axles lightly with axle grease.
 - Slide wheel back on hub and insert lock pin.
2. Drain fuel system completely following engine manufacturer's instructions or add fuel stabilizer to prevent fuel from gumming up during extended storage period.
3. While engine is still warm, drain the oil from the engine. Refill with fresh oil of the recommended grade.
4. Clean external surfaces, engine and cooling fan.
5. Remove spark plug, pour one ounce of SAE 30 oil into spark plug hole.
6. Plug hole and pull starter cord slowly to distribute oil evenly in cylinder head area.
7. Reinstall spark plug.

WARNING

DO NOT STORE TILLER IN AN UNVENTILATED AREA WHERE FUEL FUMES MAY REACH FLAME, SPARKS, PILOT LIGHTS OR AN IGNITED OBJECT. DRAIN FUEL OUTDOORS AWAY FROM ANY IGNITION SOURCES. USE ONLY APPROVED FUEL CONTAINERS.

8. Transport unit to a suitable storage location. If you have chosen to use a fuel stabilizer and have not drained the fuel system, follow all safety instructions storage precautions in this manual to prevent the possibility of fire from the ignition of gasoline fumes. Remember, gasoline fumes can travel to distant sources of ignition and ignite, causing risk of explosion and fire.
9. If there is any possibility of unauthorized use or tampering, remove the spark plug and store it in a safe place before storing the rototiller unit. Be sure to plug the spark plug hole to prevent foreign material from entering.

TROUBLESHOOTING

TROUBLESHOOTING GUIDE

While normal care and routine maintenance will extend the life of your rototiller, prolonged or constant use may eventually require that service be performed to allow it to continue operating properly. The troubleshooting guide below lists the most common problems, causes and remedies.

WARNING

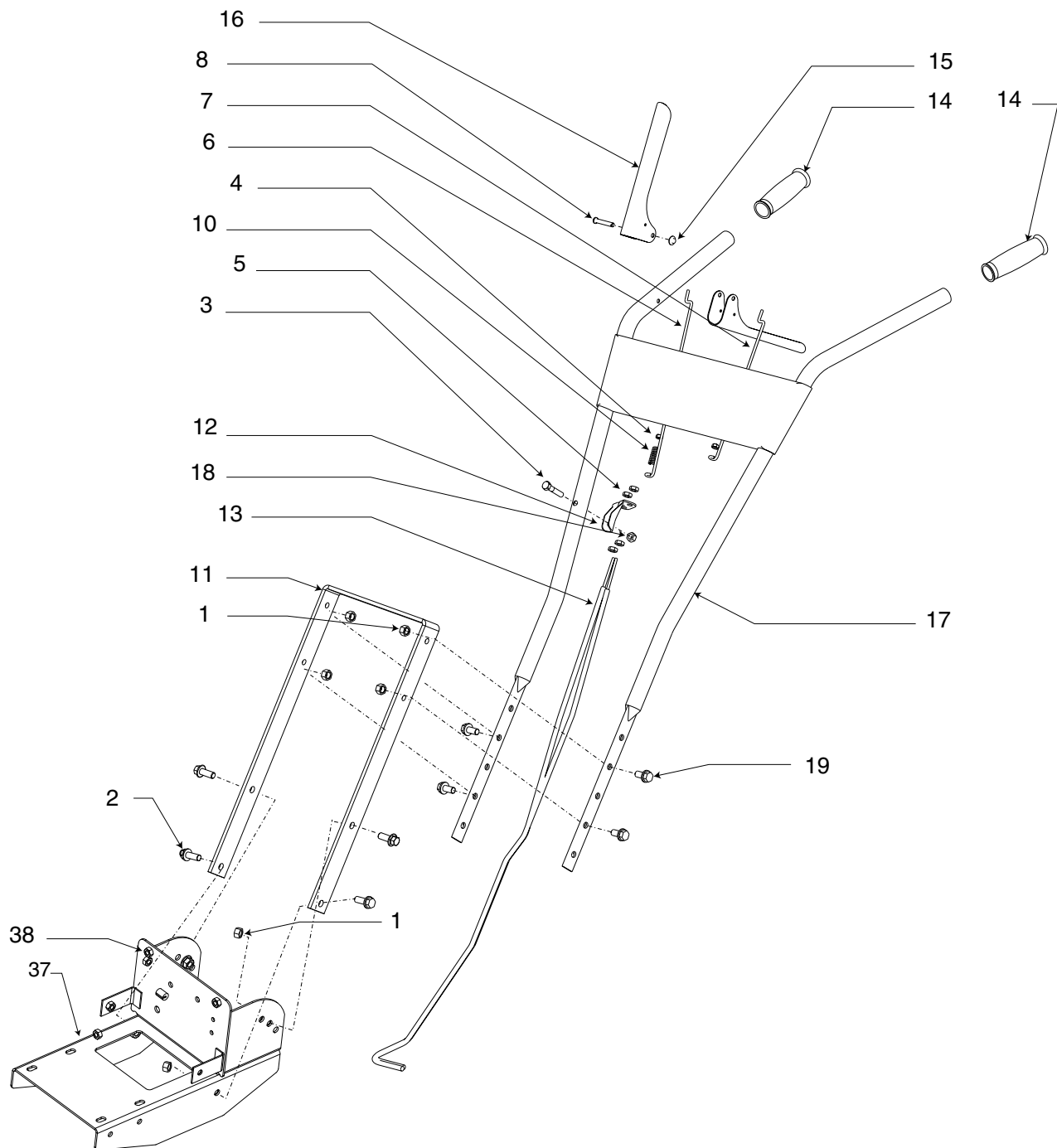
PRACTICE SAFETY AT ALL TIMES. ENGINE MUST BE TURNED OFF AND ALLOWED TO COOL, AND SPARK PLUG WIRE MUST BE DISCONNECTED AND SECURED BEFORE ATTEMPTING ANY MAINTENANCE OR REPAIR.

FAILURE TO COMPLY WITH THIS SAFETY REQUIREMENT CAN RESULT IN SERIOUS PERSONAL INJURY TO YOU OR BYSTANDERS.

PROBLEM	REMEDY/ACTION
Engine will not start	<ul style="list-style-type: none"> • Add gas to gas tank. • Connect spark plug wire to spark plug • Throttle must be positioned at choke for a cold start
Engine runs rough, floods during operation	<ul style="list-style-type: none"> • Clean or replace air cleaner
Engine is hard to start	<ul style="list-style-type: none"> • Drain old fuel and replace with fresh. Use gas stabilizer at end of season • Make sure spark plug wire is securely attached to spark plug • Drive safety control levers must be released to neutral position to start the engine
Engine misses or lacks power	<ul style="list-style-type: none"> • Raise the tines for shallow tilling by lowering the depth regulator lever • Remove and clean fuel tank • Clean or replace air cleaner • Improper carburetor adjustment, take to authorized engine service center • Replace spark plug and adjust gap • Drain and refill gas tank and carburetor • On electric start models, the battery may have lost its charge. Recharge or replace the battery
Engine will not stop when throttle control is positioned at stop	<ul style="list-style-type: none"> • See engine manual to check and adjust throttle linkage
Tiller moves forward during starting	<ul style="list-style-type: none"> • Drive safety control levers must be released to neutral position to start the engine
Tiller is difficult to control when tilling (machine jumps or lurches forward)	<ul style="list-style-type: none"> • Lock wheels in tilling position • Raise the tines for shallower tilling by lowering the depth regulator lever
Tines turn, wheels do not turn	<ul style="list-style-type: none"> • Lock wheels in tilling position • Internal transmission failure, see your dealer
Tines turn, wheels turn, tiller does not move	<ul style="list-style-type: none"> • Lower the tines for deeper tilling by raising the depth/regulator lever

PROBLEM	REMEDY/ACTION
Belts squeal in neutral and/or reverse	<ul style="list-style-type: none">• Adjust forward belt guide:<ul style="list-style-type: none">- turn engine off and allow muffler to cool- disconnect spark plug wire and secure from spark plug- remove belt guard- pull down on drive safety control levers- manually bend forward belt guide so there is 1/16 inch or less clearance between belt guide and belt- replace belt guard and spark plug wire
Belts squeal in forward operation	<ul style="list-style-type: none">• Adjust tabs on the reverse belt guide<ul style="list-style-type: none">- turn engine off and allow muffler to cool- disconnect spark plug wire and secure from spark plug- release drive safety control levers to neutral position- remove belt guard- adjust tabs of reverse belt guide: while drive safety control levers are released, bend metal tabs on reverse belt guide to 1/64 inch or less clearance from reverse belt- replace belt guard and spark plug wire
Excessive heat build up in transmission/tine area during tilling	<ul style="list-style-type: none">• Remove vegetation by following instructions in Clean Tine Axle Shaft of Normal Care section. FOLLOW ALL SAFETY INSTRUCTIONS• Check transmission fluid and fill if needed

CRT HANDLEBAR PARTS



CRT HANDLEBAR PARTS LIST

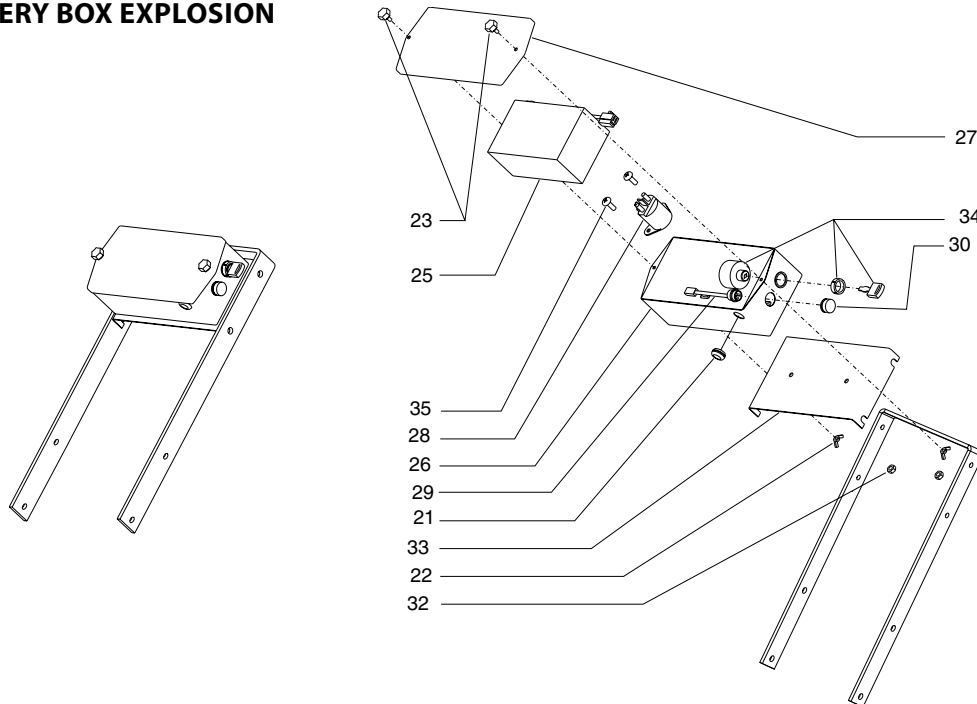
REF. NO.	PART #	DESCRIPTION	QTY.
1	2104	NUT HEX TWO-WAY 3/8-16	6
2	48762	BOLT 3/8-16 X 1" CARRIAGE	4
3	503	BOLT 5/16-18 X 1-1/2 HH	1
4	53606	NUT-NYLOC, #10	2
5	53607	NUT-JAM, 5/16-24	4
6	53612	LINK 11-5/8" LONG	1
7	53613	LINK 9-1/2" LONG	1
8	53614	PIN CLEVIS 1/4 X 1-1/2"	1
9	--	----	--
10	53620	SPRING COMPRESSION FORWARD ARM	1
11	332022	HANDLEBAR MOUNT WELDMENT	1
12	53629	CABLE MOUNT BRACKET	1
13	53630	CABLE - REAR TINE 39" SHEATH	2
14	53631	GRIP HANDLEBAR 1" ID FLANGE-LESS	2
15	53632	NUT PUSH 1/4"	1
16	53650	LEVER CONTROL REAR TINE	2
17	53679	HANDLEBAR WELDMENT	1
18	60G56	NUT-BI-WAY LOCK, 5/16-18	1
19	90138	BOLT 3/8-16 X 3/4 SERRATED FLANGE	4

6065VE ELECTRICAL PARTS LIST

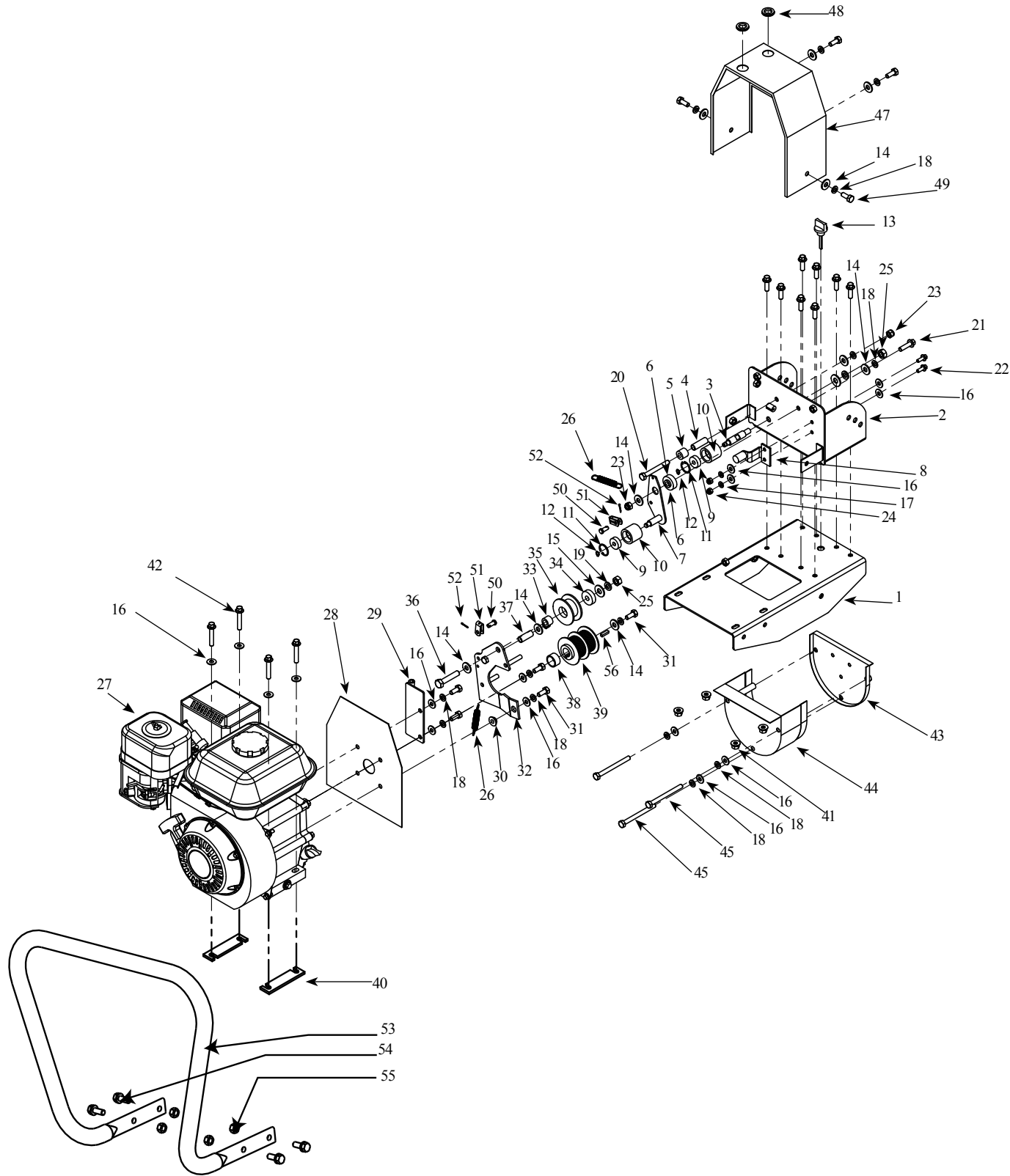
REF. NO.	PART #	DESCRIPTION	QTY.
20	--	----	--
21	300500	GROMMET, 1/2" ID	1
22	300501	NUT, WING M5 X .8	2
23	300502	SCREW, THUMB M5 X .8	2
24	300503	WIRING HARNESS (NOT SHOWN)	1
25	46122	BATTERY, 12-VOLT 7-AMP	1
26	4656	BATTERY BOX	1
27	4657	COVER, BATTERY BOX	1
28	4660	SOLENOID	1
29	4661	CHARGER PIGTAIL	1
30	4663	CAP, CHARGER PIGTAIL	1
31	4681	BATTERY CHARGER (NOT SHOWN)	1
32	53106	NUT, BI-WAY LOCK 1/4-20	2
33	53696	SUPPORT, BATTERY BOX	1
34	64703*	SWITCH, KEY	1
35	69169	BOLT, PHILLIPS TRUSS HD 1/4-20 X 3/4"	2
36	53705	ELECTRICAL PACK ASSEMBLY W/CHARGER (NOT SHOWN)	1
37	332001	WELDMENT, ENGINE MOUNT	1
38	332003	WELDMENT, REAR BELT AND HANDLE BAR MOUNT	1

* On Model 6040E the key switch is located on the engine.

6040E BATTERY BOX EXPLOSION



CRT MOTOR MOUNT PARTS

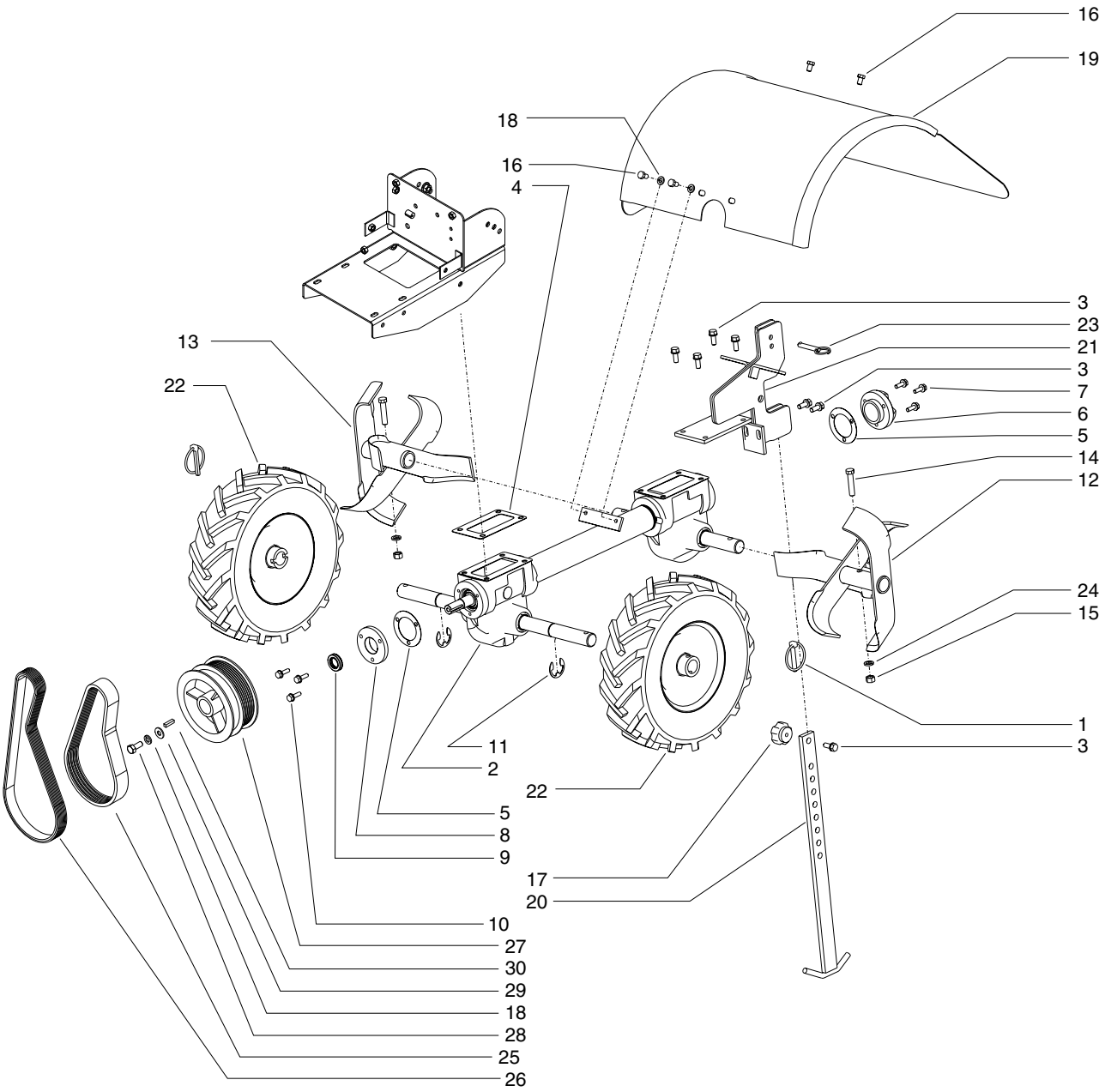


CRT MOTOR MOUNT PARTS LIST

REF. NO.	PART #	DESCRIPTION	QTY.
1	332001	WELDMENT, ENGINE MOUNT	1
2	332003	WELDMENT, REAR BELT AND HANDLE BAR MOUNT	1
3	332006	STUD, IDLER PULLEY	1
4	332007	TUBE, BELT STOP	1
5	332008	TUBE, BELT RETAINER	1
6	332009	BUSHING, ARM PIVOT	1
7	332012	WELDMENT, ARM PIVOT	1
8	332015	WELDMENT, BELT STOP	1
9	332016	BEARING IDLER PULLEY	2
10	332017	PULLEY, IDLER	2
11	332048	RETAINING RING, 24MM INTERNAL	2
12	332018	RETAINING RING, 8MM EXTERNAL	2
13	332019	DIPSTICK THREADED	1
14	WF516	WASHER FLAT 5/16" STANDARD ZN	10
15	WF38	WASHER FLAT 3/8 STANDARD ZINC	2
16	48261	WASHER 1/4" FLAT ZINC	19
17	WL14	WASHER 1/4" SPRING LOCK ZINC	2
18	504	LOCKWASHER-SPRING 5/16"	18
19	719	WASHER 3/8" SPRING LOCK ZINC	2
20	W1265V0907	BOLT, M8X70 HHCS ZINC GRADE 8.8	1
21	3244	BOLT M8X1.25X30 HH-FCS GR8.8 ZN	1
22	64519	BOLT FLANGE M6X16	2
23	332021	NUT, M8 NYLOCK	3
24	332020	NUT, M6 NYLOCK	2
25	W1265V0903	NUT M10 HNYLK GR8.8 ZN	2
26	1407	SPRING FORWARD ARM	2
27	31321	ENGINE-6.5 HP VIPER HORIZONTAL	1
28	332023	PANEL, BELT GUARD BACK	1

REF. NO.	PART #	DESCRIPTION	QTY.
29	332025	WELDMENT, FORWARD ARM PULL	1
30	332026	BUSHING, FORWARD ARM PIVOT	1
31	802	BOLT 5/16-24X3/4 HH GR5 ZN	5
32	332032	WELDMENT, FORWARD ARM	1
33	332029	SPACER, FORWARD ARM PULLEY	1
34	332030	BEARING, FORWARD ARM PULLEY	1
35	332031	PULLEY, FORWARD ARM	1
36	332033	BOLT M10X1.5X50 HHCS GR 8.8 ZN	1
37	332034	SPACER, FORWARD ARM POST	1
38	332035	SPACER, ENGINE PULLEY	1
39	332036	PULLEY, ENGINE	1
40	53642	SHIM ENGINE SRT TILLER	2
41	W1265V0900	NUT M8X1.25 H NYLK GR8.8 ZN	4
42	3247	BOLT M8X1.25X45 HHFCS GR8.8	4
43	332039	WELDMENT, MOUNT LOWER BELT GUARD	1
44	332041	WELDMENT, LOWER BELT GUARD	1
45	332043	BOLT, M8X1.25X90 HHCS GR 8.8 ZN	3
46	64617	BOLT, M8X1.25X25 HHFCS	8
47	332046	COVER, BELT GUARD	1
48	332047	GROMMET	2
49	W1265V0904	BOLT, M8X20 HHCS ZINC GRADE 8.8	4
50	1416	PIN CLEVIS	2
51	53596B	YOKE ZINC PLATED CLEVIS	2
52	1418	PIN-COTTER	2
53	53648	BUMPER GUARD	1
54	1501	BOLT 5/16-18X2"	9
55	60G56	NUT BI-WAY LOCK 5/16-18	9
56	804	KEY 3/16" X 1"	1

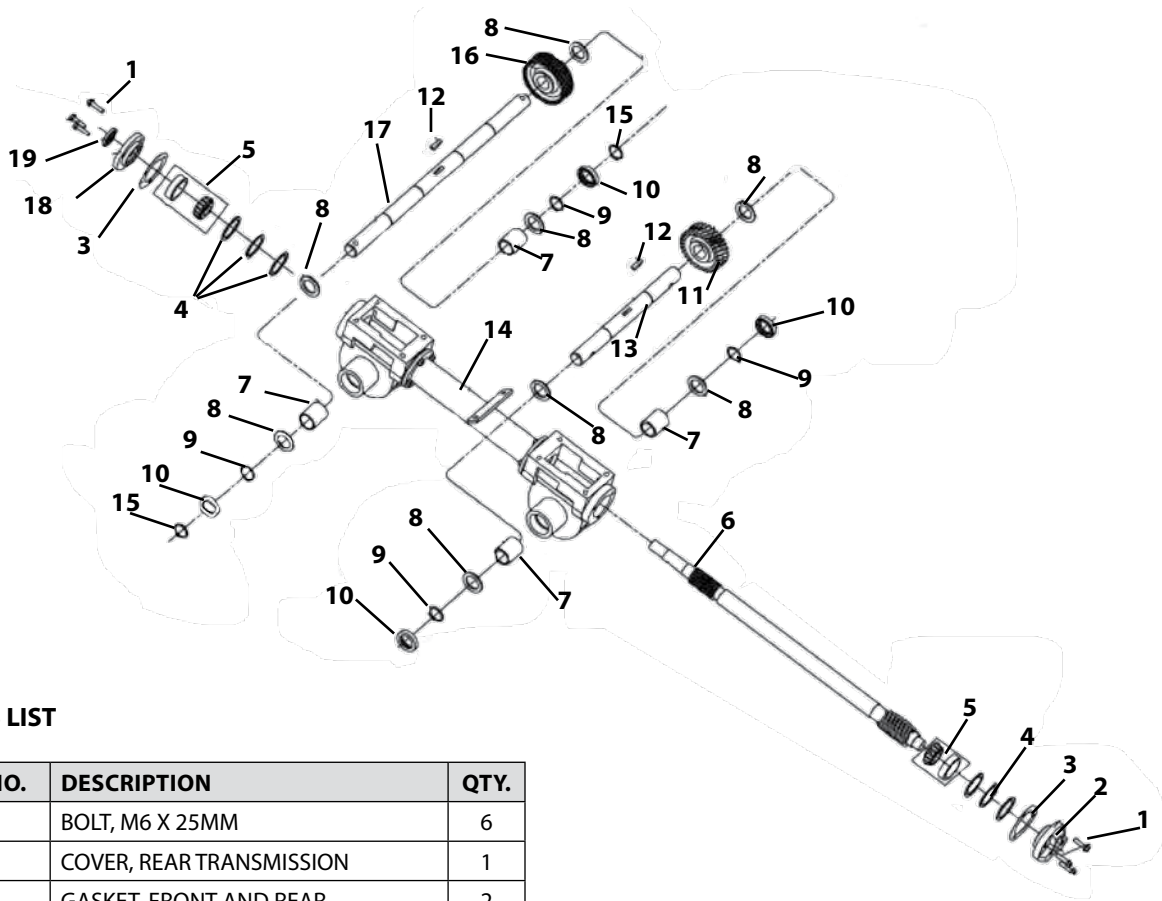
CRT TINES & HOOD PARTS



CRT TINES & HOOD PARTS LIST

R E F . NO.	PART #	DESCRIPTION	QTY.
1	332049	LOCK PIN 10 X 35MM DRAG STAKE	2
2	1500CRT5	TRANSMISSION ASSEM- BLY, LOCK PIN	1
3	1501	BOLT 5/16-18 X 3/4"	7
4	1504	GASKET, TRANSMISSION	2
5	1500P103	GASKET, BEARING CAP	2
6	1500P102	REAR BEARING CAP	1
7	1500P101	BOLT 1/4-20 X 7/8"	3
8	1500P119	FRONT END CAP	1
9	1500P120	SEAL OIL DRIVE SHAFT	1
10	1500P101	BOLT 1/4-20 X 3/4"	3
11	1710	EXTERNAL SNAP RING	2
12	1900LCRT	LEFT TINE SET	1
13	1900RCRT	RIGHT TINE SET	1
14	2001	BOLT 3/8-16 X 1-3/4"	2
15	2104	NUT, BI-WAY LOCK 3/8-16	2
16	417	BOLT 5/16-18 X 1/2" HH GR5	4
17	48406	BLACK KNOB 5/16-18	1
18	504	LOCK WASHER SPRING 5/16"	3
19	415A	HOOD ASSEMBLY	1
20	53655	DRAG WELDMENT	1
21	53660	TAIL MOUNT DEPTH REGULATOR	1
22	1101A	WHEEL/TIRE ASSY., LOCK PIN	2
23	69170	DETENT PIN 5/16 X 2" ZINC	1
24	719	SPRING WASHER 3/8"	2
25	332045	FORWARD BELT	1
26	332044	REVERSE BELT	1
27	332037	PULLEY, TRANSMISSION	1
28	802	BOLT 5/16-24 X 3/4 HH GR5 ZN	1
29	48261	WASHER 1/4" FLAT ZINC	1
30	4352	KEY 3/16 X 3/4	1

CRT WHEEL & TILLER SHAFT PARTS & PARTS LIST



PARTS LIST

REF. NO.	DESCRIPTION	QTY.
1	BOLT, M6 X 25MM	6
2	COVER, REAR TRANSMISSION	1
3	GASKET, FRONT AND REAR TRANSMISSION COVER	2
4	SHIM, DRIVE SHAFT	6
5	BEARING, TAPERED ROLLER	2
6	SHAFT, DRIVE CRT SHAFT	1
7	BUSHING, TINE AND WHEEL SHAFT	4
8	SHIM, TINE AND WHEEL SHAFT	8
9	RING, RETAINER INTERNAL	4
10	SEAL, GREASE TINE AND WHEEL SHAFT	4
11	GEAR, WORM TINE CRT SHAFT	1
12	KEY, WOODRUFF	2
13	SHAFT, TINE	1
14	HOUSING, TRANSMISSION	1
15	RING, RETAINER EXTERNAL	2
16	GEAR, WORM WHEEL CRT SHAFT	1
17	SHAFT, WHEEL	1
18	COVER, FRONT TRANSMISSION	1
19	SEAL, GREASE INPUT	1

AVAILABLE SUPPORT PARTS

REF. NO.	PART #	DESCRIPTION	QTY.
1	1500P101	BOLT, M6 X 25MM	6
2	1500P102	COVER, REAR TRANSMISSION	1
3	1500P103	GASKET, FRONT AND REAR TRANSMISSION COVER	2
10	1500P110	SEAL, GREASE TINE AND WHEEL SHAFT	4
18	1500P119	COVER, FRONT TRANSMISSION	1
19	1500P120	SEAL, GREASE INPUT	1



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