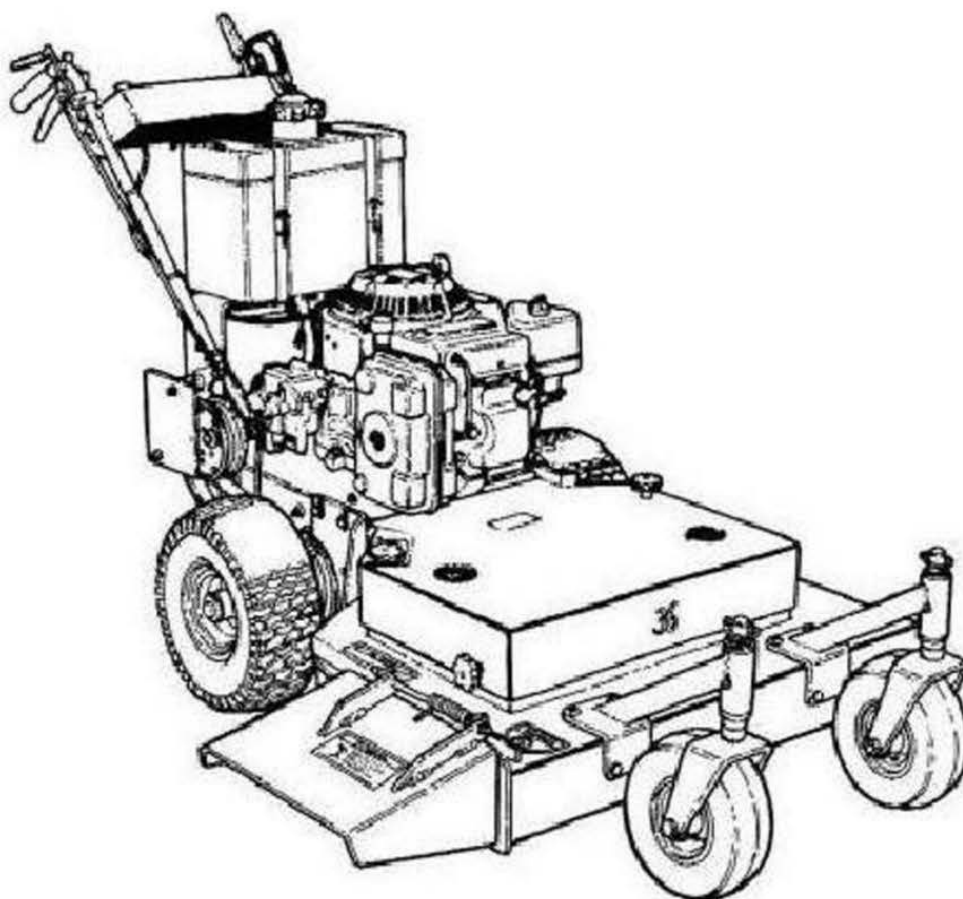




Belt Drive Walk Behind
Commercial Mower
32" • 36"



OWNER'S MANUAL & PARTS LIST

Rev 9.29.2017

www.BradleyMowers.com

HAVENER
ENTERPRISES INC.
COMPANY

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About This Manual

This owner's manual is considered a permanent part of the mower. It must be available to all of the operators and/or person(s) servicing the mower. Should the mower be resold, this manual must remain with the mower.

All information, illustrations, and specifications contained in this manual were in effect at the time of publication. The mowers reserves the right to change, modify, and/or discontinue specifications and/or design without notice. If there is a change that has been made to your mower which is not shown or reflected in this manual, please see your authorized the mower dealer before operating and/or servicing the equipment.

Congratulations on the purchase of your new the commercial mower. We at the mowers are confident that this mower will provide you with years of excellent performance, durability, and trouble free service when operated and maintained as directed in this manual.

Should you ever have any questions regarding the operation, maintenance, or safety of your mower, please contact your authorized the mower dealer who has been specially trained on operation and service of Red Hawk mower.

A space has been provided below to record information about your new the mower.

Please take time to record such information for future reference, especially when you contact an authorized the mower dealer with questions.

Date Purchase:	_____
Model Number:	_____
Serial Number:	_____
Purchased From:	_____ _____

Warranty Statement

The mowers are warranted for two (2) years from the original date of purchase against defects in material or workmanship, when operated and maintained in accordance with the mowers Owner's Manual. Commercial operators: first year is parts and labor; second year is parts only. Residential operators: first two years parts and labor; third year parts only.

The engine, transmission, and battery are warranted by their respective manufacturers. Havener Enterprises, Inc. (Havener) will replace or repair, free of charge, any part of the original equipment returned to us or our authorized servicing representative with transportation or postage prepaid and which upon examination shall be defective. The cost of replacing items that are subject to normal wear, such as but not limited to: air filters, belts, blades, oil filters, and tires, will be borne by the purchaser/owner unless such wear was caused by a defect in material and workmanship.

This warranty does not cover any mower that has been subject to neglect, negligence, misuse, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Owner's Manual. This warranty does not cover any mower that has been altered or modified changing performance or durability. In addition, the warranty is not extended to repairs made necessary by the use of parts or accessories which, in the reasonable judgment of the mowers are compatible with the mower or adversely affect its operation, performance, or durability. This warranty is not transferrable.

Havener assumes no responsibility or incidental, consequential, or other damages including, but not limited to: expense for gasoline, expense of delivering the mower to a the mower authorized dealer and expense of returning it to the owner, mechanic's travel time, telephone or communication charges, rental of a like product during the time warranty repairs are being performed, travel, loss or damage to personal property, loss of revenue, loss of the use of the time or inconvenience. There are no other expressed or implied warranties and liability for consequential damages under this warranty and are excluded to the extent exclusions are permitted by law. No warranty service will be authorized until your registration card has been received by the mower.

SAFETY INFORMATION

Read This Manual Carefully And Thoroughly Before Operating The Mower!

Training

1. Carefully and thoroughly read the owner's manual. Allow adequate time to fully understand the controls and operation of the equipment.
2. Never allow anyone to operate the mower that has not read and fully understood the owner's manual.
3. Do not carry passengers. Avoid mowing while people, especially children and pets are nearby, since rotating blades can throw rocks and other items with enough force to cause serious injury.

Before Use of Equipment

Operator:

Wear protective clothing while mowing. Long trousers and safety glasses will help reduce the risk of injury from thrown objects. It is recommended that steel toe shoes with aggressive soles or some other type of substantial footwear be worn to help protect your feet and maintain traction on slopes or uneven ground. Always wear hearing protection.

Mowing Area:

Thoroughly inspect the area where the equipment is to be used. Look for items such as stones, sticks, wire and other foreign objects. When struck by the mower, these and other objects may become projectiles that could lead to serious injury and/or death.

Mower:

For your safety and the long life of your mower, always inspect the mower before each use. Before inspection, make sure it is on a flat and level surface, the blades are disengaged, the ignition switch off with the key removed, and the spark plug wire is off of the spark plug(s) and hidden so that accidental contact can not be made.

General Condition:

- Walk around the mower looking for any fluid spills or leaks on or underneath the mower. Remove any and all excessive debris, dirt, and/or fluids.
- Look for signs of damage or excessive wear. Check the tightness of all nuts, bolts, pins, and screws. Tighten any that may be loose and replace any that may have been lost during use.
- Be sure the safety interlock controls are operating properly so that the engine can not be started unless the ground speed control lever is in neutral and the blades disengaged.
- Check the mower blades for any damage or abnormal wear and replace in sets so that they are balanced.
- Check the tire pressure on all four tires. See page 15 for details.
- Check all belts for proper wear and correct tension. See pages 17-19 for details.
- Check engine oil and air filters as recommended in the engine manufacturers' operators manual.

Operation of Equipment



DANGER: GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE. DO NOT ADD FUEL WHILE THE ENGINE IS RUNNING OR IS HOT. KEEP OPEN FLAMES, SPARKS, AND HEAT AWAY FROM THE FUEL AND STORE FUEL IN CONTAINERS SPECIFICALLY DESIGNED FOR THAT PURPOSE. ADD FUEL OUTDOORS ONLY AND IF THE FUEL IS SPILLED, DO NOT START THE ENGINE. MANUALLY PUSH THE MOWER AWAY FROM THE SPILL AND IMMEDIATELY WIPE UP.

Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect. Carbon monoxide is odorless, tasteless, and can be fatal.

Mow only in daylight.

Make sure the mower is in neutral and the blades are disengaged before attempting to start the engine.

Do not stop or start suddenly when going uphill. Never use riding attachments on slopes since there is an increase risk that they might roll over.

Avoid steep slopes and use extreme caution when changing directions or speed when operating on a slope.

Be extremely careful when operating on a slope or when the grass is damp or wet. Reduced traction could cause sliding. Never mow by pulling the mower back towards you...you might slip.

Watch for traffic when crossing surfaces other than grass, (i.e. transporting,) loading a trailer or vehicle, or when the mower is not in use.

Never operate the mower with defective guards, shields, or without the safety devices securely mounted in place.

Never direct discharge of material toward bystanders nor allow anyone near the mower while in operation.

Do not change the governor settings or over speed the engine.

Always stop the engine whenever you leave the mower, even for a moment.

To help reduce the risk of a fire hazard, keep the engine and the area around the engine free of grass, leaves, or any other type of foreign material.

Beware of cutting edges. Always wear gloves for safety when performing blade maintenance activities. Beware on multiple blades units since the rotation of one blade may cause the rotation of the other blade.

Do not store or operate the mower with the grass chute deflector in raised position. Serious injury could occur.

Assembly Instructions

Bradley Mowers arrive in dealer crates. Ensure you have the equipment and knowledge to unpack this mower and set it up for use.

Remove the fuel tank from next to the mower
Unbolt the crate, removing the top and side rails

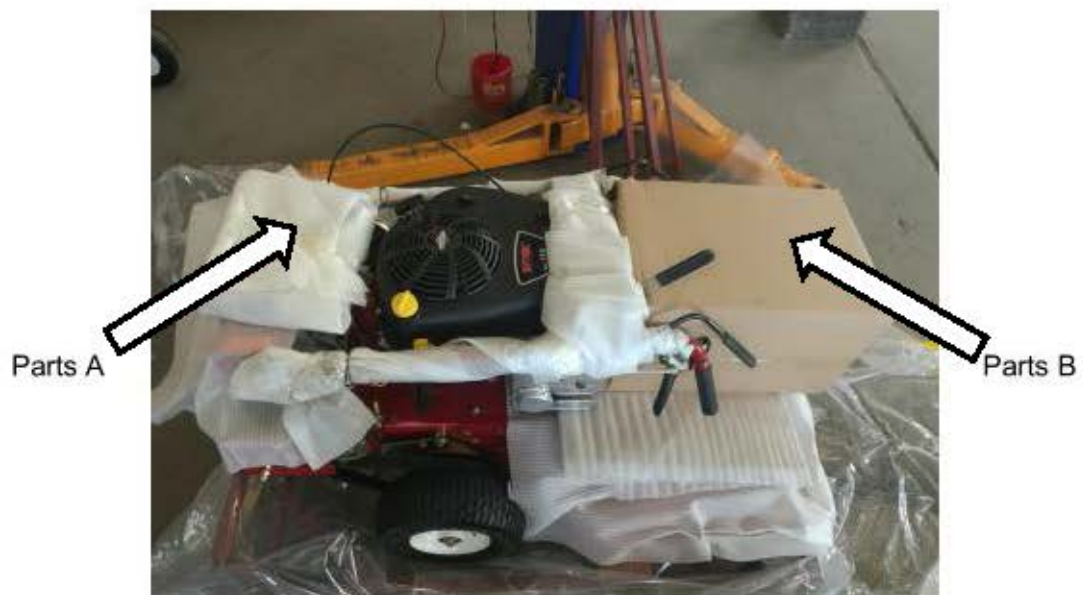
Tools needed: 17mm or 5/8" wrench/ratchet



Remove the bolts securing the
back of the mower



Unpack the mower



Remove parts packages A and B

Parts A



Parts B



Bradley Belt-Drive Mower Parts

Remove the handlebars assembly



Remove the bolts securing the deck to the frame

Bradley Belt-Drive Mower Parts



Prepare the 2 front wheel assemblies



Install the front
wheel mount

Tools needed:
17mm or 5/8"
wrench/ratchet

Bradley Belt-Drive Mower Parts



Install the front wheels



Remove the mower
from the crate



Mower



Base crate

Bradley Belt-Drive Mower Parts



32BD shifting bar



36BD shifting bar



Install the transmission
shifting handle

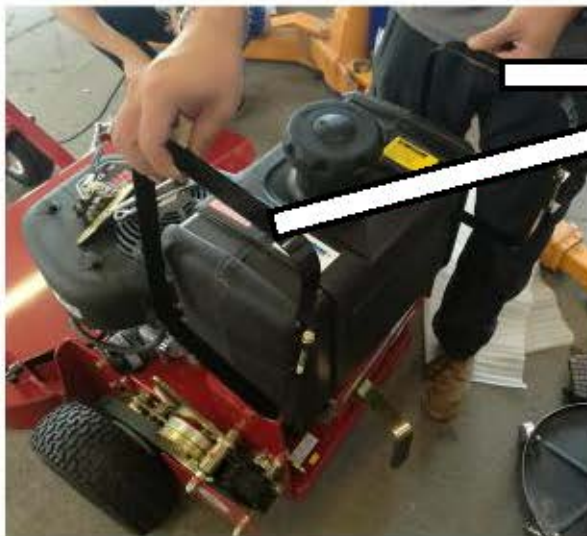


Install the shifting position plate

Bradley Belt-Drive Mower Parts



Remove the fuel tank pads from the manual package.
Adhere the pads to the fuel tank; a spray adhesive is recommended



Fuel tank straps



Install the fuel tank straps

Tools needed: 10mm or 3/8"
wrench/ratchet

Bradley Belt-Drive Mower Parts

Fuel line hose

Vent hose



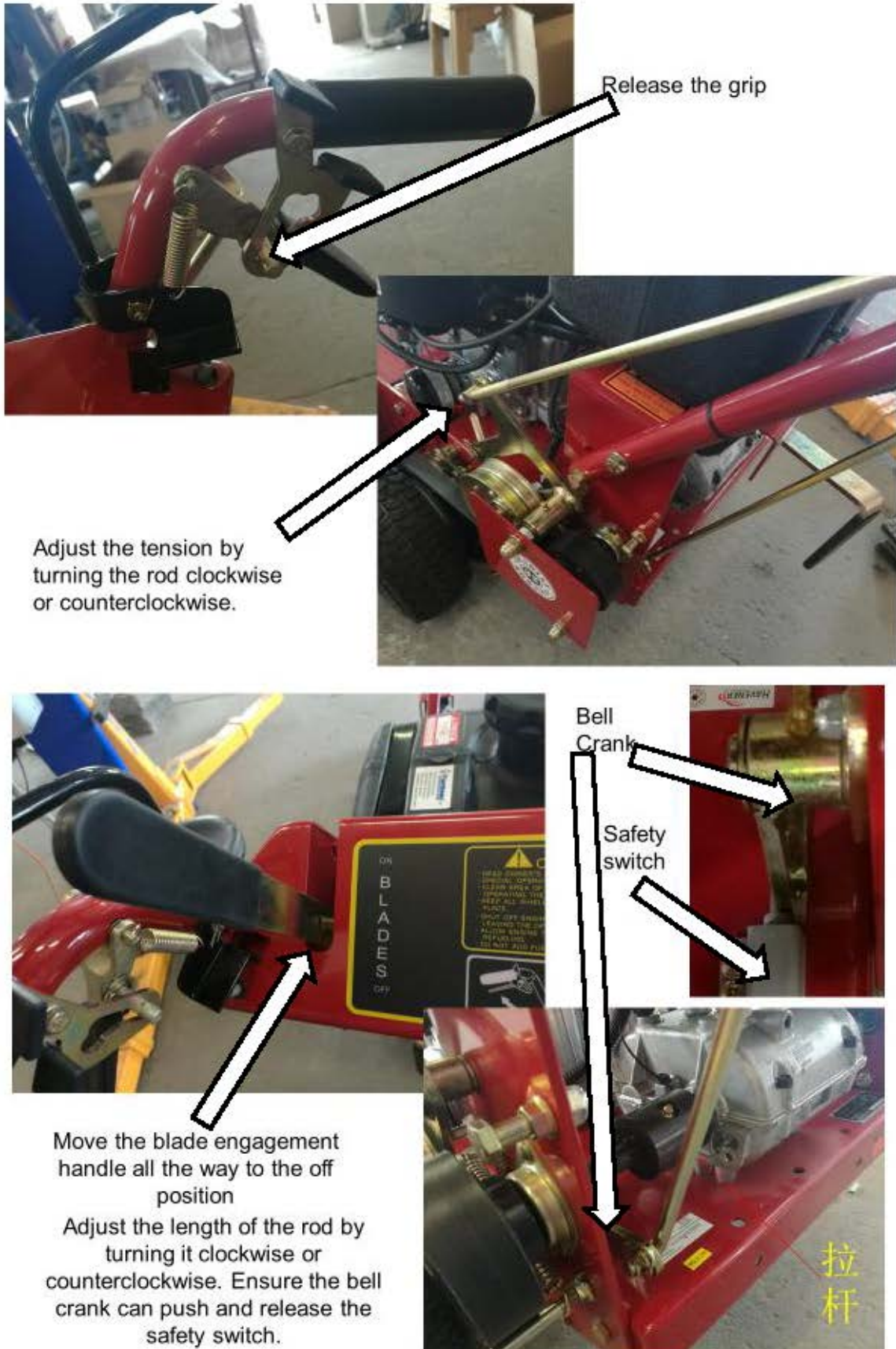
Connect the fuel line
hose vent hose



Install the
handlebars



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Connect the blade safety switch to the plug.



Connect the transmission safety switch to the plug and zip tie it.



Connect the engine wiring

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Install grass chute cover

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Add engine oil and fuel in accordance
with engine instructions



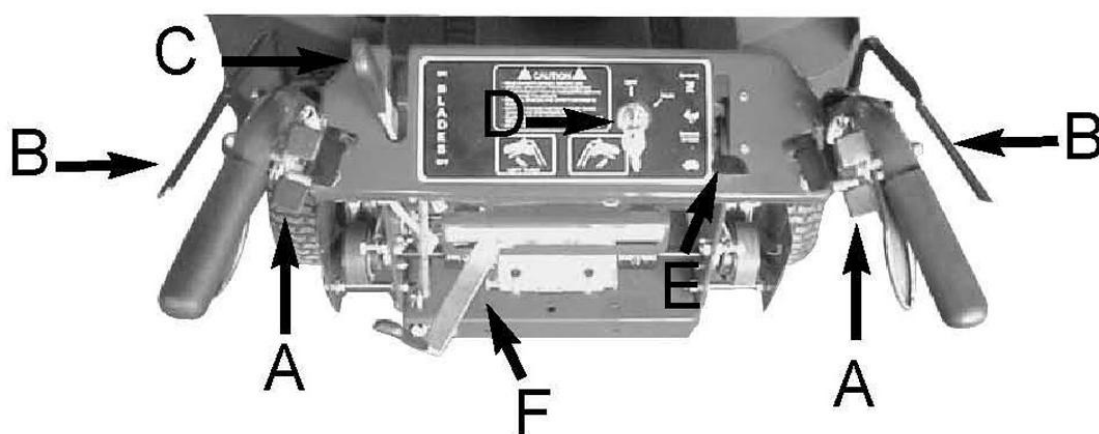
Enjoy your new Bradley Mowers lawn mower!

OPERATING THE MOWER

It is recommended that before you operate the mower, you allow adequate time to fully understand the controls and operation of the equipment. When reading this manual, it is recommended that you do so with the equipment nearby for quick orientation, reference of controls and maintenance adjustments.

Operating Controls

Before continuing to read the manual, it is recommended that you take adequate time to identify the controls of the mower.



"A" Traction Lever Locks
"B" Operator Presence Controls
"C" Blade Control Lever

"D" Key Switch
"E" Throttle/Choke Control
"F" Gear Shift Lever

Starting The Engine:



DANGER: DO NOT OPERATE THE ENGINE IN A CONFINED SPACE WHERE DANGEROUS CARBON MONOXIDE FUMES CAN COLLECT. CARBON DIOXIDE IS ODORLESS, TASTELESS, AND CAN BE FATAL.

After going through the steps as discussed on pages (6) and (7), you are now ready to start the engine. NOTE: THIS UNIT WAS SHIPPED WITHOUT THE GAS, BE SURE TO ADD FRESH GAS AND TO DOUBLE CHECK THE OIL IN THE ENGINE BEFORE ATTEMPTING TO START THE MOWER.

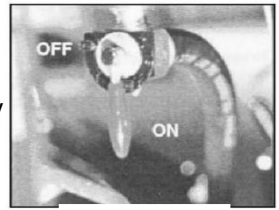


Figure 2

1. Make sure that the shut off valve, located at the bottom of the fuel tank is in the "ON" position (figure 2).
2. Make sure that the traction control lever are in the neutral position (figure 3)
3. Make sure that the gear shift lever is in the neutral "N" position (figure 4)
4. Make sure that the blade control lever is in the "OFF" position. NOTE: The safety interlock system will prevent the engine from being started if the blade control lever is not in the "OFF" position and the gear shift lever is not in the neutral "N" position.
5. Slide the engine speed control to the "CHOKE" position, or to "CHOKE" if the engine is cold.
6. Turn the key clockwise to the "RUN" position.
7. Slowly pull the start cord on the engine until just past compression. STOP! Return the start cord and then pull firmly with a smooth, steady motion to start the engine.
8. When the engine starts to run, slowly return the engine speed control out of "CHOKE" to the desired engine speed.



Figure 3

Going Forward:

CAUTION: Become totally familiar with the operation and characteristics of the mower before attempting to actually mow with it.

1. Making sure that the traction control levers are in the neutral position, push down and hold the operator presence control lever "A" on the handle grips with one hand (Figure 5).
2. With the other hand, move the gear shift lever to the desired speed. "1" is slow and "5" is for transporting the mower between mowing areas (Figure 4). It is recommended that you start out in "1" and then increase your ground speed to match the mowing conditions.
3. Release the traction control lever locks by squeezing up both traction control levers "C" only as much as needed while at the same time applying forward pressure in the traction control lever locks "B" with your thumbs.
4. Slowly and evenly, let both traction control levers down simultaneously and the mower will start to go forward (Figure 5). NOTE: If the operator lets go of both operator presence control levers while either the blade control lever is in "ON", and/or the gear shift control lever is out of the neutral position the safety interlock system will stop the engine. To restart the mower, reset all controls to the "OFF" position and neutral "N" positions.



Figure 4

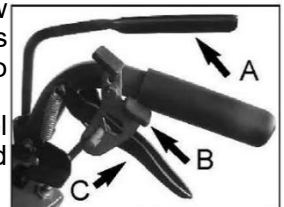


Figure 5

Bradley Belt-Drive Mower Parts

Turning The Mower

To turn the mower in the direction you want to go, gently squeeze the side's traction control lever (i.e. to go right, squeeze the right traction control lever; to go left, squeeze the left traction control lever). The more a particular traction control lever is squeezed, the sharper a turn the mower will make.

Stopping The Mower

To stop the mower, gently and evenly squeeze up on both of the traction control levers until the mower comes to a complete stop. Then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position. While still holding down with one hand the operator presence controls, move the gear shift lever to the "N" position with the other hand. If the operator is leaving the operator's position behind the mower for any reason, disengage the blades, shut the engine off, and remove the key.

If you are leaving the operators position, try to park the mower on level ground. If it is not possible to do such, be sure to block the wheels to prevent the mower from rolling away.

Using The Reverse Assist

1. Slowly and evenly squeeze up on both control levers until the mower comes to a complete stop and then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position.
2. While still holding down the operator presence control with one hand, use the other and pull the blade control lever to the "OFF" position.
3. Shift the gear shift lever to the reverse "R" position.
4. Release the traction control lever locks by squeezing by both traction control levers only as much as needed while at the same time, applying forward pressure on the traction control lever locks with your thumbs.
5. Slowly and evenly, let both traction control levers down simultaneously and the mower will start to go in reverse. Always use extreme caution when moving the mower backwards and never move the mower downhill backwards.
6. To stop the mower, slowly and evenly squeeze up on both control levers until the mower comes to a complete stop and then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position and return the gear shift lever to neutral "N".

Mowing



DANGER: THOROUGHLY INSPECT THE AREA WHERE THE EQUIPMENT IS TO BE USED. LOOK FOR ITEMS SUCH AS STONES, STICKS, WIRE, AND OTHER FOREIGN OBJECTS. WHEN STRUCK BY THE MOWER, THESE AND OTHER OBJECTS MAY BECOME PROJECTILES THAT COULD LEAD TO SERIOUS INJURY AND OR DEATH. CLEAR AREA OF ALL DEBRIS AND KEEP PEOPLE AND PETS AWAY.



DANGER: DO NOT OPERATE THE MOWER WITH DEFECTIVE GUARDS, SHIELDS, OR WITHOUT THE SAFETY DEVICES SECURELY IN PLACE.

For the highest quality of cut and performance, always mow with the engine at full throttle. Quality of cut may be determined by the ground speed and speed of the mower. Generally, the slower the mower travels across the terrain, the better the cut.

1. With the mower at the beginning of the area to be mowed and traction control levers in the neutral position, hold down with one hand the operator presence control.
2. With the other hand, slowly push the blade control lever forward to the "ON" position.
3. Move the gear shift lever to the desired speed. Always begin at a slow ground speed and increase only as the condition of the terrain warrants.
4. Slowly and evenly, engage the traction control levers and begin mowing.
5. To stop mowing, slowly and evenly squeeze up on both traction control levers until the mower comes to a complete stop and then with your thumbs, push down on the traction lever locks until the levers are securely locked in the neutral position. Return the gear shift lever to the neutral "N" position.
6. Pull the blade control lever back to the "OFF" position.

Bradley Belt-Drive Mower Parts

Changing The Height Of Cut:

 **DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE ^ THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEYS REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUGS(S) TO PREVENT ACCIDENTAL CONTACT.**

When your Red Hawk mower is shipped from the factory, the mowing height is set at 2-1/2". The mowing height may be raised or lowered using a combination of front wheel spacers and blade bolt assembly spacers. It is recommended that you first set your height of cut to the highest level using the blade spacers and then lower the height of cut using the front wheel spacers.

Measuring The Height Of Cut:

 **DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEYS REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUGS(S) TO PREVENT ACCIDENTAL CONTACT.**

CAUTION: Beware of the cutting edges on the blades. The rotation of one blade may cause the other blade(s) to rotate. Always wear work gloves when handling blades.

1. Park the mower on level ground.
2. With the blade control lever in the "OFF" position, the engine off with the key removed, and the spark plug wire (s) removed from the spark plug(s), reach through the discharge chute and slowly rotate the blade so that the length of the blade is going from the front of the mower towards the rear.
3. Using a tape measure or small ruler, measure the distance from the front tip of the blade's cutting edge to the ground. As a general rule, if measuring the cutting height on a hard surface such as concrete, the mower will usually mow about 1/4" lower in grass due to the weight of the machine.

Removing And Adjusting Blades:

CAUTION: Beware of the cutting edges on the blades. The rotation of one blade may cause the other blade(s) rotate. Always wear work gloves when handling blades.

1. Park the mower on level ground and block the rear wheels to prevent accidental rollback.
2. Raise the front end of the mower using a jackstand
3. Using two (2) 15/16" box end wrenches, use one wrench to loosen nut "A" while holding blade bolt "C" with the other wrench (Figure 6).
4. Slide the blade bolt down through the mower deck and out.
5. To raise the blades to the height desired, remove the appropriate amount of spacers from the blade bolt. Example: If the height of cut needs to be raised 1/2", move two (2) of the 1/4" spacers "B" on each blade from underneath the mower (Figure 6) to the top of the mower (Figure 7).
6. Reinsert the blade bolt through the cutting deck.
7. Install the blade spacers that were removed, back onto the blade bolt followed by the nut and tighten (Figure 6). **IMPORTANT:** The amount of spacers should always be the same on each blade bolt. Never put the spacers below the blade.

Adjusting Front Wheels: (refer to Figure 8)

1. Raise and support the front of the mower with a jackstand.
2. While supporting the front wheel with one hand, remove the flip pin from the wheel shaft.
3. Remove the wheel from the front wheel support arm being careful not to loose the spacers.
4. Remove the amount of spacers desired to lower the height of cut.
5. Reinsert the wheel through the support arm.
6. Reinstall the spacers on the top that were removed from the bottom and then secure with the flip pin.
7. To raise the height, repeat steps 1-3, but take the spacers from the top of the wheel support arm, and put them on the bottom.

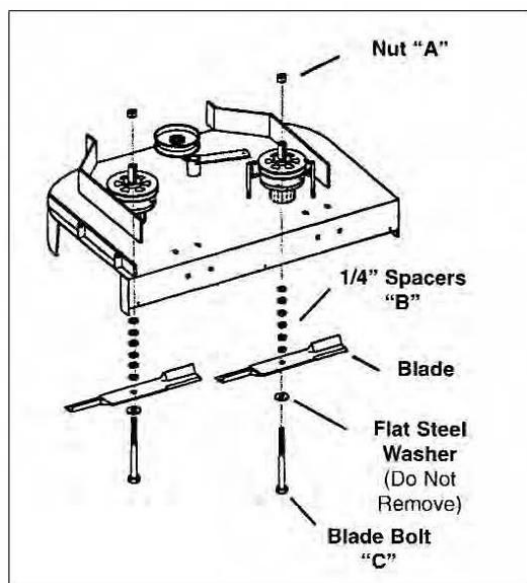


Figure 6

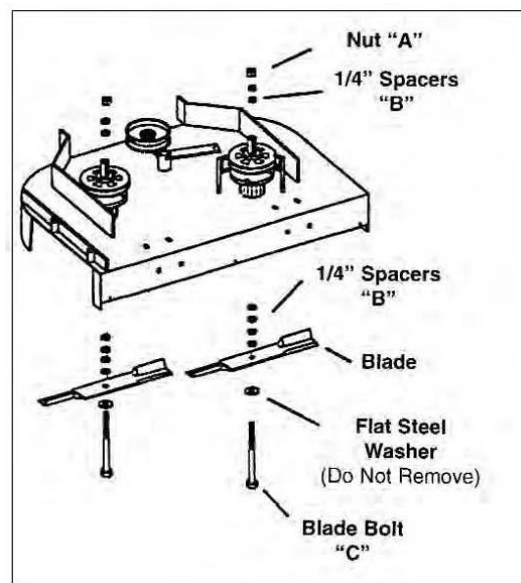


Figure 7

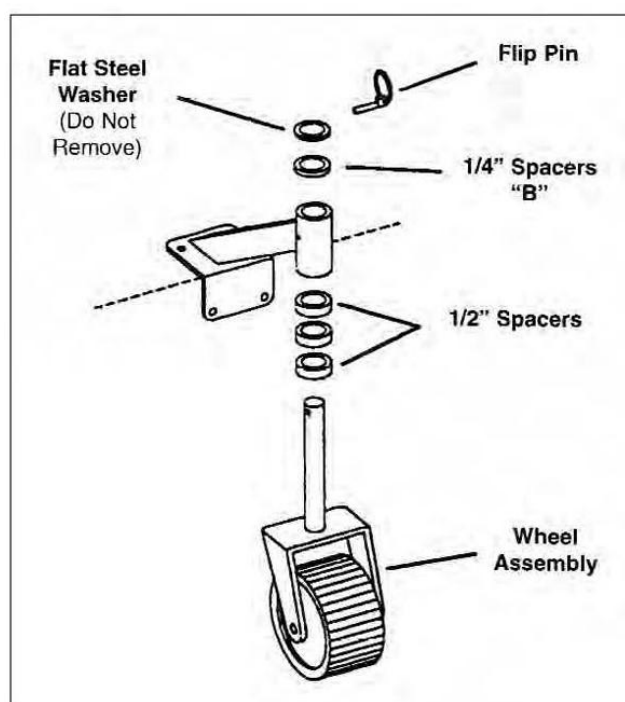


Figure 8

GENERAL MAINTENANCE

Proper maintenance and adjustment of your Red Hawk mower is necessary to keep the mower in good and safe condition. The maintenance of the mower is the responsibility of the owner/operator and must be performed at regular intervals. When replacing any parts of servicing your mower, be sure to use only genuine Red Hawk mower replacement parts to assure quality and performance of your mower.

DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEY REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUGS(S) TO PREVENT ACCIDENTAL CONTACT IF ADJUSTMENT OR MAINTENANCE IS BEING PERFORMED AFTER OPERATION OF THE MOWER, ALLOW THE UNIT TO COOL SINCE HEAT BUILD UP COULD CAUSE SEVERE BURNS.

Maintenance Schedule

Item	Procedure	Time Interval				
		Break-in (first 5 hrs)	Every 8 Hours (Daily)	Every 40 hours (Weekly)	Every 100 hours (Bi-weekly)	Every 200 hours (Monthly)
Belts	Inspect (adjust if needed)	•	•			
Blades	Inspect and Sharpen		•			
Engine Air Filter	Inspect (See Engine Owner's Manual)		•			
Engine Cooling Areas	Clean (See Engine Owner's Manual)				•	
Engine Oil	Check(See Engine Owner's Manual)		•			
	Change (See Engine Owner's Manual)	•			•	
Engine Oil Filter	Change (See Engine Owner's Manual)	•				•
Engine Spark Plug (s)	Inspect (See Engine Owner's Manual)					•
Fuel Filter	Replace				•	
Fuel Line	Check				•	
Replace		Every 2 years				
Grease Fittings	Refer to Page 16					
Hardware	Check for proper tightness	•		•		
Mower Main Frame	Remove debris from under belt cover		•			
Safety Interlock	Check Operation and Switches		•			
Tires	Check Air Pressure			•		

Bradley Belt-Drive Mower Parts

Fuel



DANGER: GASOLINE IS HIGHLY FLAMMABLE AND EXPLOSIVE. DO NOT ADD FUEL WHILE THE ENGINE IS RUNNING OR IS HOT. KEEP OPEN FLAMES, SPARKS, AND HEAT AWAY FROM THE FUEL AND STORE FUEL IN CONTAINERS SPECIFICALLY DESIGNED FOR THAT PURPOSE. ADD FUEL OUTDOORS ONLY AND IF THE FUEL IS SPILLED, DO NOT START THE ENGINE. MANUALLY PUSH THE MOWER AWAY FROM THE SPILL AND IMMEDIATELY WIPE UP.

Refer to the Engine Owner's Manual for the type of fuel to use.

A fuel shut off valve is located on the bottom of the fuel tank. (Refer to Figure 2, page 10). It is recommended that the fuel be shut off when transporting between job sites and when storing the mower for extended periods of time.

Engine Oil

CHECK THE ENGINE OIL BEFORE EACH USE. Refer to the Engine Owner's Manual for the type of oil, oil change intervals, and the proper procedures to check and change oil.

Air Filter

Refer to the Engine Owner's Manual for the recommended maintenance.

Tire Pressure

The recommended tire Pressure for all four (4) wheels is 28 P.S.I. Incorrect tire pressure may cause the mower to pull to one side and/or an uneven cut. Always use caution when filling the tire and never exceed the recommended tire pressure.

Blade



DANGER: BEFORE WORKING ON THE BLADES, MAKE SURE THE ENGINE IS OFF, KEY REMOVED, AND THE SPARK PLUG(S) WIRES REMOVED FROM THE SPARK PLUG (S) TO PREVENT ACCIDENTAL CONTACT

CAUTION: Beware of the cutting edges on the blades. Always wear work gloves when performing blade maintenance.

Blades should be inspected on a daily basis for nicks, bends, and or excessive wear. If the blades is worn, cracked, bent, or damaged, replace with a new blade immediately before using the mower. Use only genuine Red Hawk Mower replacement blades since substitute blades may not meet Red Hawk Mower specifications and may be dangerous.

To remove the blades, refer to page 12, section "Removing And Adjusting The Blades."

When sharpening the blades, sharpen only the cutting edges and try to maintain the original angle of the blade. Do not make the cutting edge "razor sharp" and remove the same amount from each side of the blade so that balance is maintained.

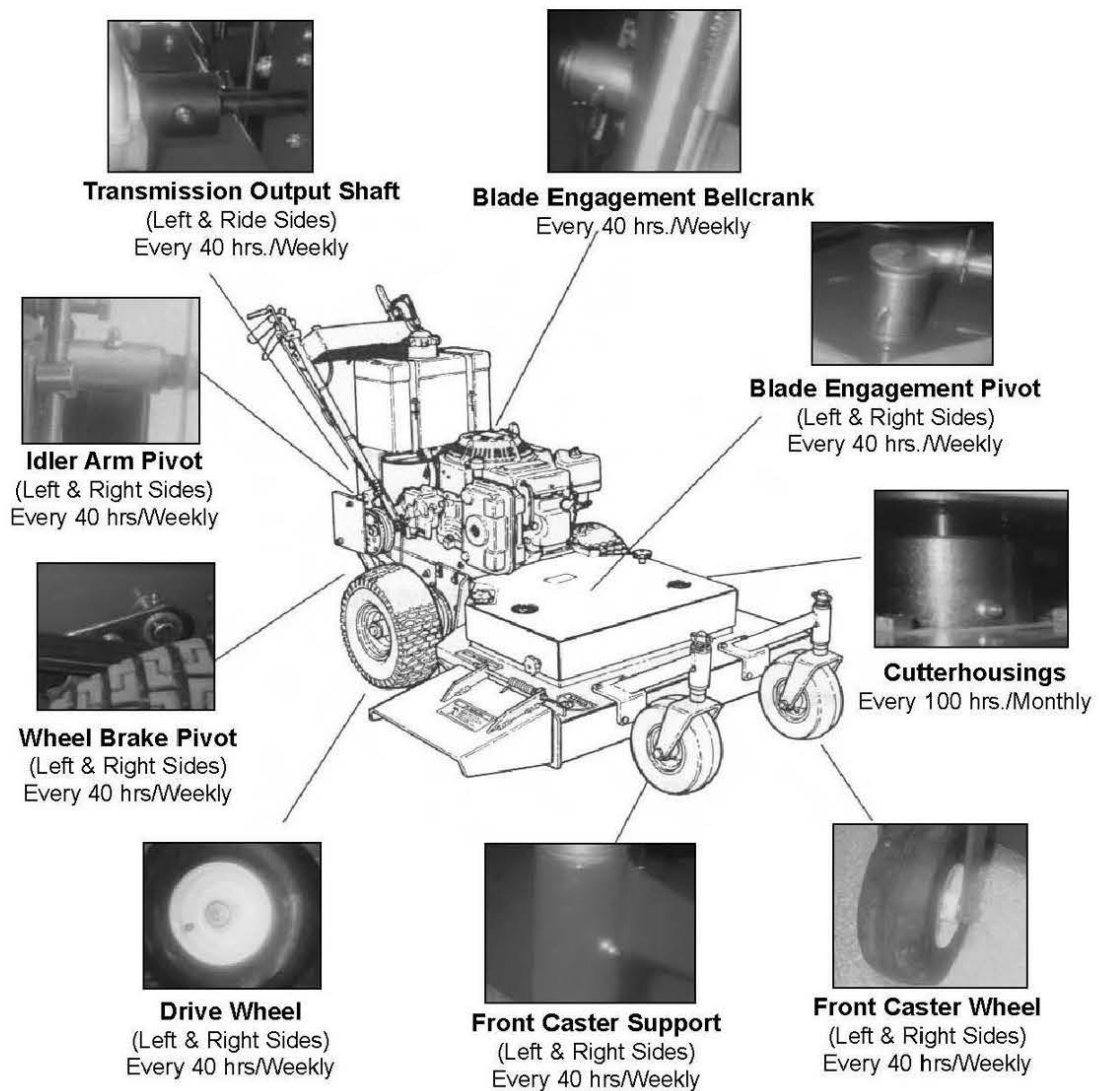
Cleaning The Mower

It is recommended that the mower be cleaned in a daily basis. Excessive accumulation of dirt, debris, oil, etc., causes premature wear on the components and may present a potential safety hazard.

Bradley Belt-Drive Mower Parts

Lubrication Points

To assure proper lubrication on moving parts, it is recommended that you lubricate the following components with a high-quality EP2 high temperature based grease or equivalent. Should the conditions of operation be more severe than normal, the lubrication interval may be shorter than recommended. GTR/OPE Grease is the recommended lubricant.



SERVICE ADJUSTMENTS

⚠ DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEY REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUG(S) TO PREVENT ACCIDENTAL CONTACT. IF ADJUSTMENTS OR MAINTENANCE IS BEING PERFORMED AFTER OPERATION OF THE MOWER, ALLOW THE UNIT TO COOL SINCE HEAT BUILD UP COULD CAUSE SEVERE BURNS.

Drive Belt Adjustment: (Refer to Figure 9)

1. Release the right side traction control lever into the engaged position. Move the gear shift lever into first "1" gear, and pull the mower backwards until the mower stops.
2. Remove hair pin cotter "A" and the flat washer from swivel "B"
3. Remove swivel "B" from idler arm "C".
4. Move traction control rod "D" until there is approximately 1/2" clearance between the bottom of the traction control rod and the bottom of the slot in traction control lever lock "A" (figure 10).
5. While holding the rod in place, rotate swivel "B" on the traction control rod "D" until the swivel realigns with the hole in idler arm "C". Push the swivel through the idler arm hole and secure with the flat washer and hair pin cotter. Repeat for the other side.

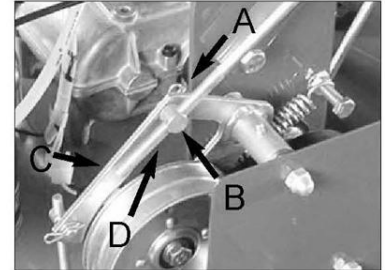


Figure 9

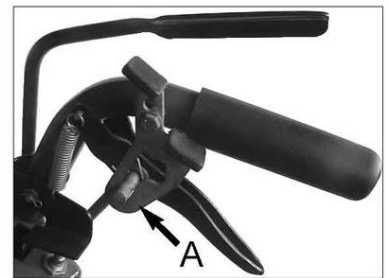


Figure 10

Wheel Brake Adjustment: (Refer to Figure 11)

1. Release the left side traction control Lever into the engaged position.
2. Remove the hair pin cotter "A" from swivel "B".
3. Remove swivel "B" from idler arm "C".
4. To increase the amount of brake, rotate swivel "B" clockwise approximately 2 to 3 turns and insert swivel "B" back into idler arm "C".
5. Check the traction control lever for the proper amount of brake. Should more brake be necessary, repeat steps 3 and 4.
6. Once the proper amount of brake has been achieved, be sure to secure swivel "B" to idler arm "C" with the flat washer and hair pin cotter.
7. Repeat for the other side if needed.

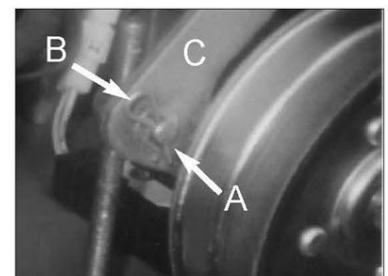


Figure 11

Bradley Belt-Drive Mower Parts

Engine To Blade Belt Adjustment: (Refer to Figure 12)

⚠ DANGER: BEFORE MAKING ANY ADJUSTMENTS AND/OR SERVICING YOUR MOWER, MAKE SURE THE MOWER IS ON LEVEL GROUND, BLADES DISENGAGED, KEY REMOVED, AND THE ENGINE OFF WITH THE SPARK PLUG WIRE(S) REMOVED FROM THE SPARK PLUG(S) TO PREVENT ACCIDENTAL CONTACT IF ADJUSTMENTS OR MAINTENANCE IS BEING PERFORMED AFTER OPERATION OF THE MOWER, ALLOW THE UNIT TO COOL SINCE HEAT BUILD UP COULD CAUSE SEVERE BURNS.

1. Remove the deck cover and move the blade control lever on the control console to the "ON" position.
2. With approximately 10 lbs. of pressure being applied on the engine to blade belt midway between the pulleys, (refer to the appropriate figure for your mower) the belt should move approximately 1/2".
3. If the belt moves more than 1/2" move the blade control lever back to the "OFF" position.
4. Remove hair pin cotter "A" and the flat washer from swivel "B" and pull the swivel from idler arm "C".
5. Rotate swivel "B" clockwise, or towards the rear of the mower, approximately 2 to 3 turns. Reinsert swivel "B" back into idler arm "C" and secure with the flat washer and hair pin cotter.
6. Repeat steps 1 and 2 to check for proper tension. If more tension is needed, repeat steps 3-5 until the proper amount is achieved.
7. Replace deck cover.



32" & 36" Gear Drive



Figure 12

Engine To Transmission Belt Adjustment: (Refer to figure 13)

1. The engine to transmission belt, located underneath the rear deck, should move $\frac{3}{16}$ with 5 lbs. of pressure applied midway on the belt between the transmission pulley and the engine output shaft pulley.
2. To adjust the belt, loosen nut "A" on idler pulley "B".
3. Slide idler pulley "B" to tighten or loosen and secure in place by tightening nut "A".

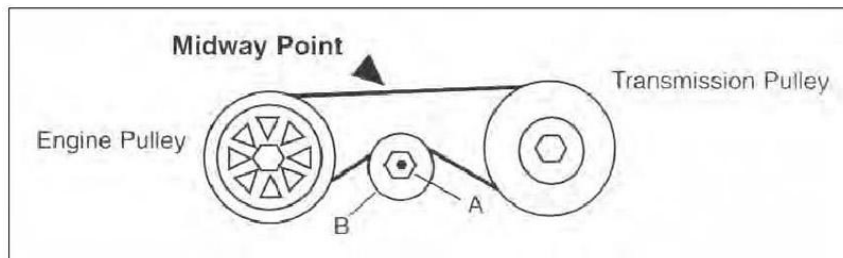


Figure 13

Safety System Adjustment: (Refer to figure 14)

DANGER: DO NOT BYPASS, MODIFY, ALTER, OR DISCONNECT THE SAFETY SYSTEM. MAKE SURE THAT THE SAFETY INTERLOCK SYSTEM IS FULLY OPERATIONAL EACH TIME BEFORE MOWING, FAILURE TO DO SO COULD PRESENT DANGER TO YOU AND OTHERS AROUND YOU.

1. Move the blade control lever to "OFF".
2. Loosen screws "A" until safety switch "B" moves freely.
3. Slide safety switch "B" firmly against blade bellcrank "C".
4. Tighten screws "A" and check that safety switch "B" does not move.

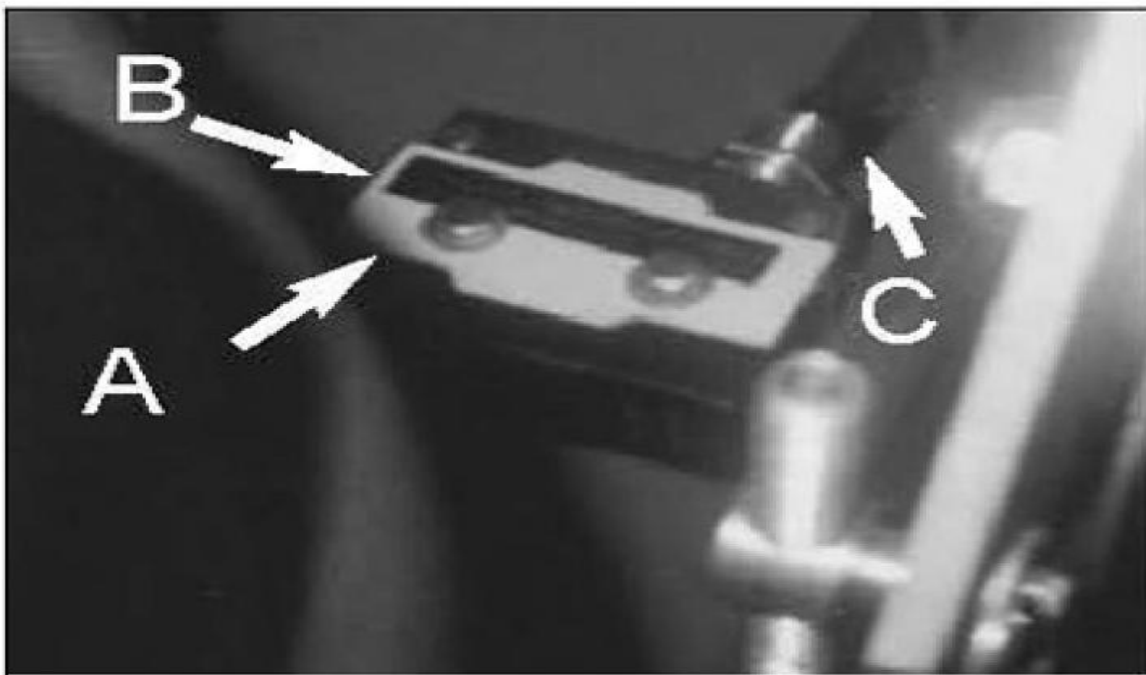


Figure 14

TROUBLE SHOOTING

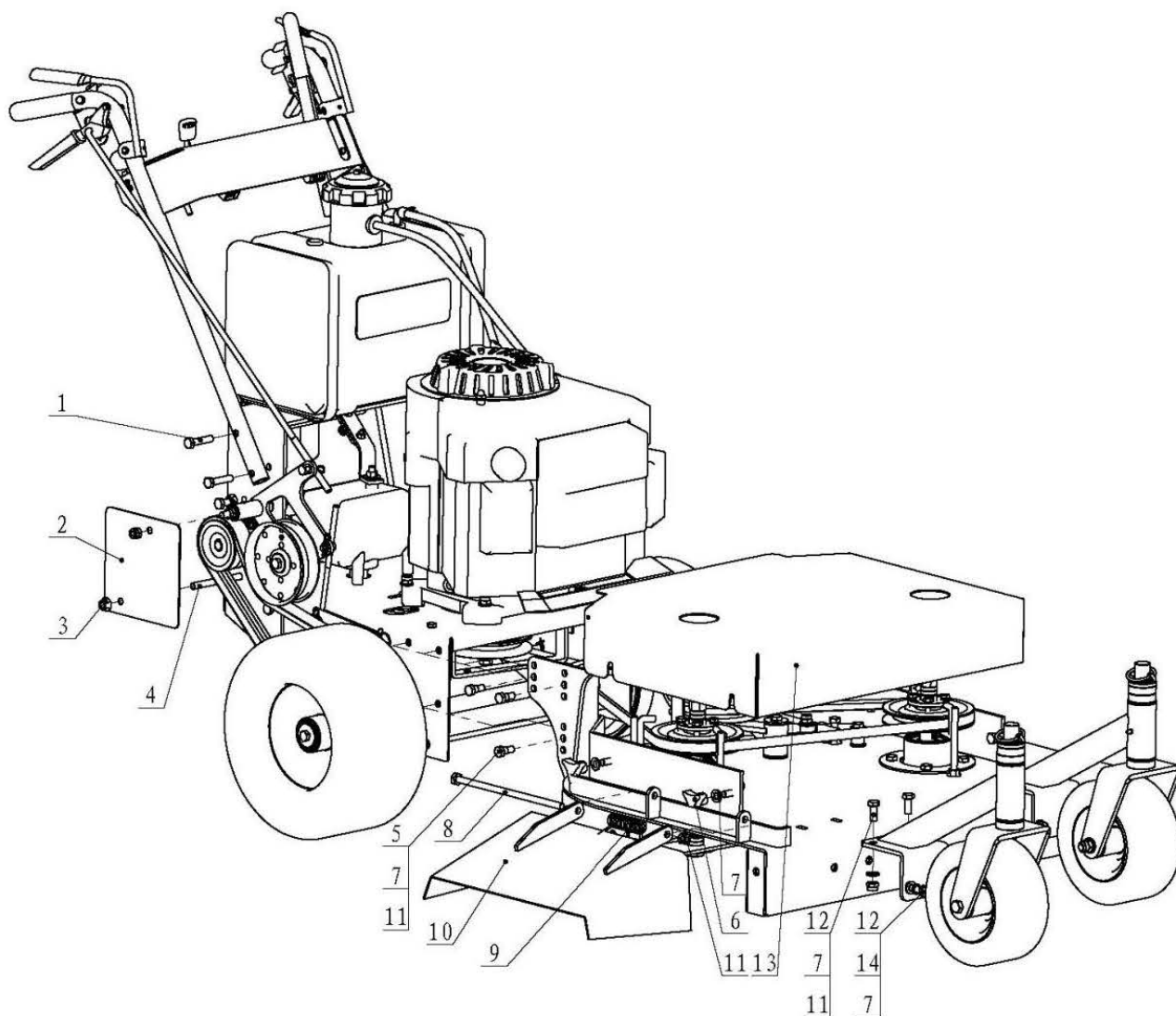
Problem	Possible Cause	Solution
Engine Does Not Start	Key in the OFF position	Turn key to ON
	Transmission shift lever not in the neutral position	Move lever into the neutral (Page 10).
	Blade control not in the OFF position	Move blade control lever to OFF
	Fuel tank empty	Fill fuel tank
	Fuel shut-off valve closed	Open fuel shut off (Page 10)
	Safety interlock switches out of adjustment	Adjust switches (Page 19)
	Throttle control not in the choke position	Move throttle control to choke
	Spark plug loose or disconnected	Connect spark plug wire
	Bad spark plug	Replace
	Dirty air filter	Replace
Engine Starts Hard Or Loose Power	Clogged fuel filter	Replace
	Bad fuel	Drain and refill with fresh fuel
	Dirt or water in the fuel tank	Drain and clean fuel tank
	Clogged or dirty fuel filter	Replace
	Air filter dirty	Replace
Engine Overheats	Faulty spark plug	Replace
	Incorrect oil level	Check and adjust
	Dirt in fuel line	Clean and replace
	Dirty grass screen	Clean
	Incorrect oil level	Check and adjust
	Dirty air filter	Check and adjust
	Faulty spark plug	Replace

TROUBLE SHOOTING

Problem	Possible Cause	Solution
Mower Does Not Move When Traction Levers Are Released	Transmission is in neutral	Move transmission lever (page 9)
	Engine to transmission belt loose	Check and adjust (page 17)
	Incorrect drive wheel belt adjustment	Check and adjust (page 17)
	Drive belts worn or damaged	Check and replace if necessary
Mower Pulls To One Side	Drive belt broken or slipping	Replace or adjust (page 17)
Uneven Cut	Tire pressure not the same in both drive wheels	Check and adjust (page 15)
Blades Do Not Turn	Blade belt broken or slipping Excessive build-up underneath mowing deck	Replace or adjust Check and clean
Rough Cut	Unequal space configuration on blades or front casters	Check and adjust (page 13)
	Ground speed too fast for mowing conditions	Reduce travel speed
	Blades bent	Check and replace (page 12)
	Tire pressure in wheels not equal	Check and adjust (page 15)
	Unequal spacer configuration on blades or front casters	Check and adjust (page 13)
	Blades dull	Sharpen or replace (page 15)
	Engine not running 3600 r.p.m.	Move throttle to fast
	Blades installed upside down	Remove and replace right side up (page 12)
	Excessive build-up underneath	Check and clean mowing deck

Bradley Mowers Belt Drive Parts

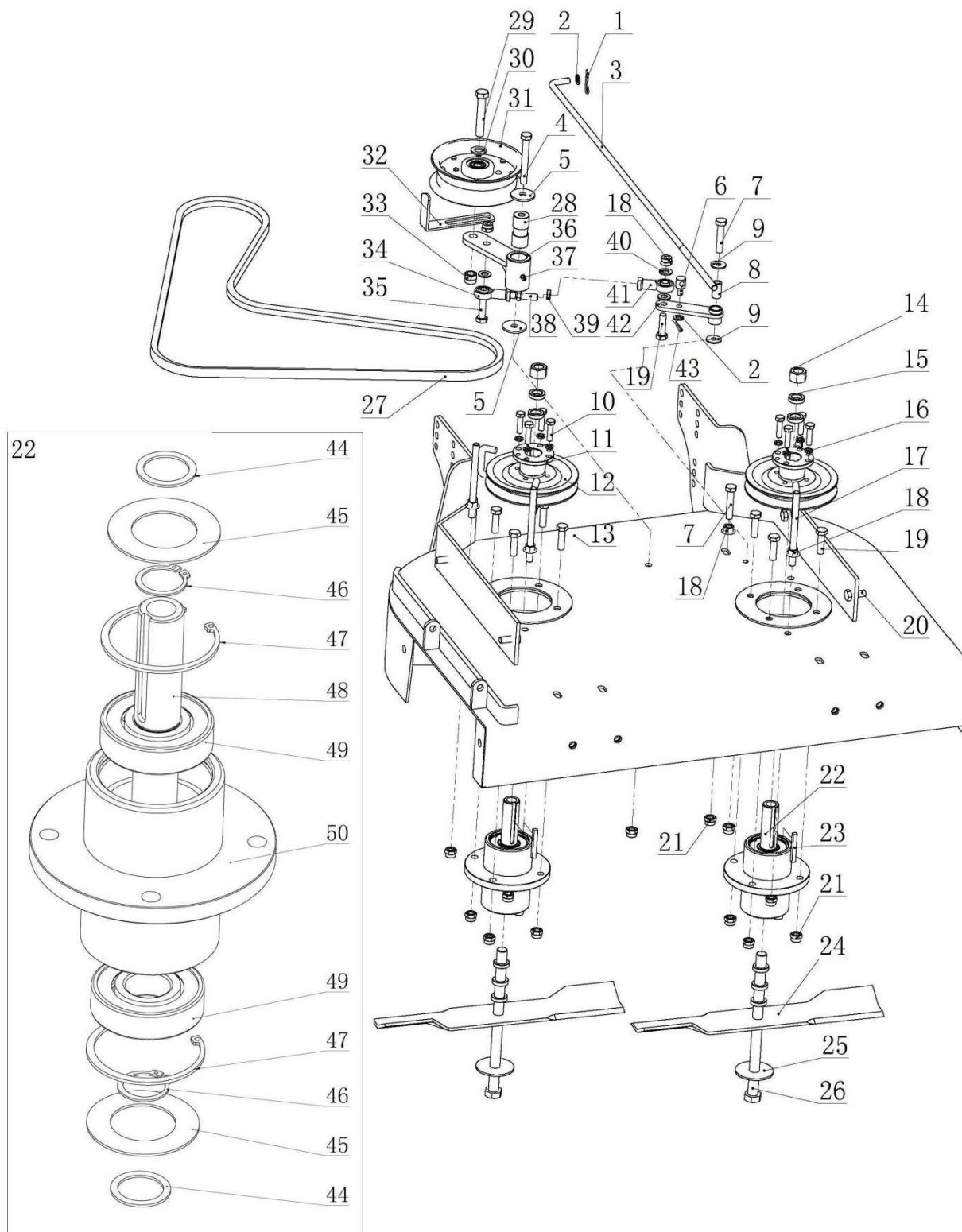
Frame Assembly



Frame Assembly

Item No.	Part No.	Figure No.	Description	Qty
1	200-052	GB5782	bolt M10X45	8
2	100-005	GC44-1	side baffle	2
3	200-149	QC/T864	nut M10	6
4	200-002	GB901	stud M10X120	2
5	336-173	GC31-11	connecting bolt	6
6	100-009	GC31-4	knife cover nut	4
7	200-010	GB95	washer10	26
8	200-005	GC31-3	grass cover bolt	1
9	100-008	GC31-2	grass cover torsion spring	1
10	100-007	GC31.2	grass cover assembly	1
11	200-006	GB889	nut M10	23
12	200-003	GB5783	bolt M10X25	9
13	132-003	GC44-3	belt wheel cover for 32"	1
	136-002	GC45-2	belt wheel cover for 36"	1
14	200-031	GB93	washer 10	4

Front Deck Assembly



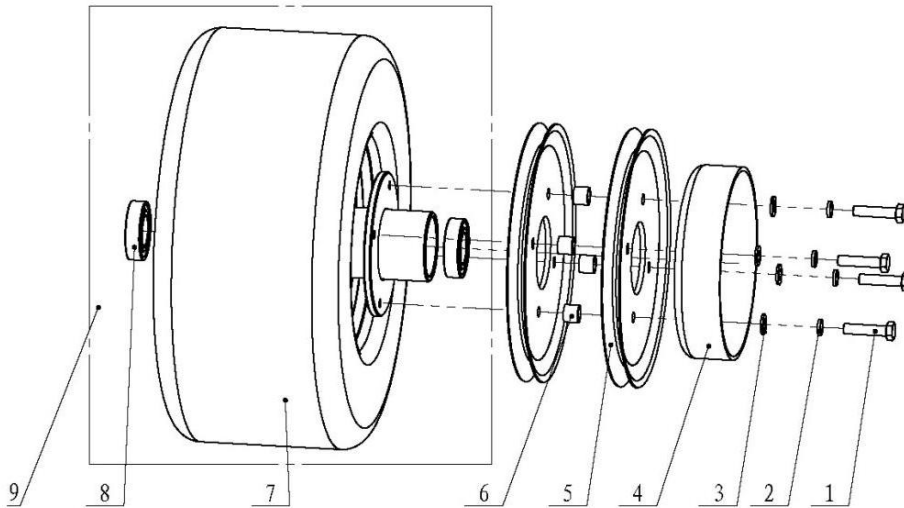
Front Deck Assembly

Item No.	Part No.	Figure No.	Description	Qty
1	200-069a	GC31.1-15	φ2 latch	2
2	200-021	GB/T 95	washer 8	2
3	100-017	GC44.5-1	cutter rod	1
4	200-187	GB/T 5782	bolt M10X80	1
5	100-019	GC32.1-4	Φ10 pinch roller pad	2
6	100-018	GC44-2	rod joint	1
7	200-032	GB/T 5782	bolt M10X50	2
8	348-104	GC32.1-12	rotary sleeve	1
9	200-098	GB/T 96	washer 8	2
10	200-025	GB/T 5783	Bolt M8X30	8
11	100-026	GC31.1-1	adapter sleeve	2
12	100-025	GC44.5.2	belt pulley	2
13	132-002	GC44.5.1	welding cutter for 32"	1
	136-001	GC45.1.1	welding cutter for 36"	1
14	200-017	GC31.1-6	arbor nut	2
15	100-022	GC31.1-8	shim	10
16	200-024	GB/T 93	washer 8	8
17	100-016	GC31.1.2	belt limit column welding	4
18	200-016	QC/T 864	nut M10	5
19	200-018	GB/T 5783	bolt M10×35	7
20	200-003	GB/T 5783	bolt M10X25	4
21	200-006	GB/T 889.1	nut M10	15
22	100-021	GC31.1.5	bearing seat assembly	2
23	100-014	GC31.1-3	flat key	2
24	132-005	GC44.5-3	32"blade	2
	136-003	GC31.1-9	36"blade	2
25	100-023	GC31.1-10	Big blade pad	2
26	200-023	GC31.1-11	cutter arbor	2
27	132-010	N/A	triangular belt for 32"	1
	136-006	N/A	triangular belt for 36"	1
28	100-134	GC44.5-2	steering shaft bushing	1
29	200-159	GB5782	bolt M12X75	1
30	200-192	GB95	Washer 12	1
31	300-002a	GC31.1.4	guide wheel assembly	1
32	100-033	GC32.1.3-1	belt pulley limit plate	1
33	200-007	GB889.1	nut M12	1
34	100-027	SILBJK10S	joint bearing 10	1
35	200-207	GB5783	bolt M10X40	1
36	100-020a	GC44.5.3.2	pressure roller arm welding	1
37	200-026	GB1152	oil cup M6	1
38	100-030b	GC44.5.3-1	adjusting nut	1
39	200-027	GB6172	nut M10	1
40	200-010	GB95	washer 10	2
41	100-028	SIBJK10S	joint bearing 10	1
42	336-009a	GC44.5.3.1	the steering arm welding	1

Front Deck Assembly Continued

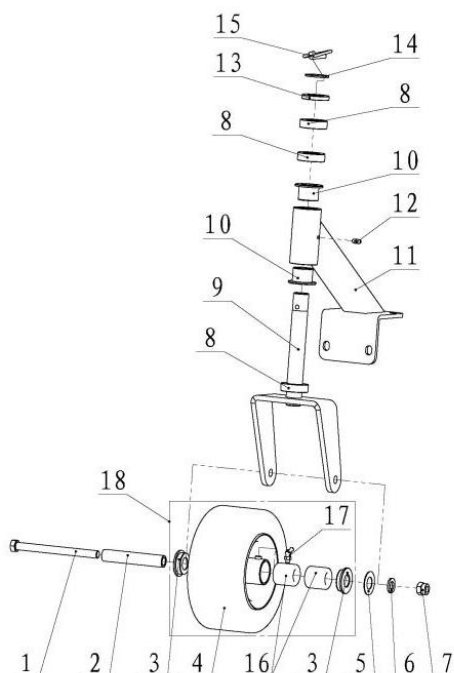
43	200-014	GB/T 91	Cotter pin 2X20	1
44	601-027	GC31.1.5-2	Plain Washer	2
45	601-028	GC31.1.5-3	Plain Washer	2
46	600-307-0025	GB/T 894	Snap Ring 25	2
47	600-306-0062	GB/T 893	Set collar 62	2
48	100-021A	GC31.1.5-1	Cutter Pivot	1
49	600-501-6305	GB/T 276	Bearing 6305- 2RS	2
50	601-031	GC31.1.5-4	Flange Bearing	1

Rear Wheel Assembly



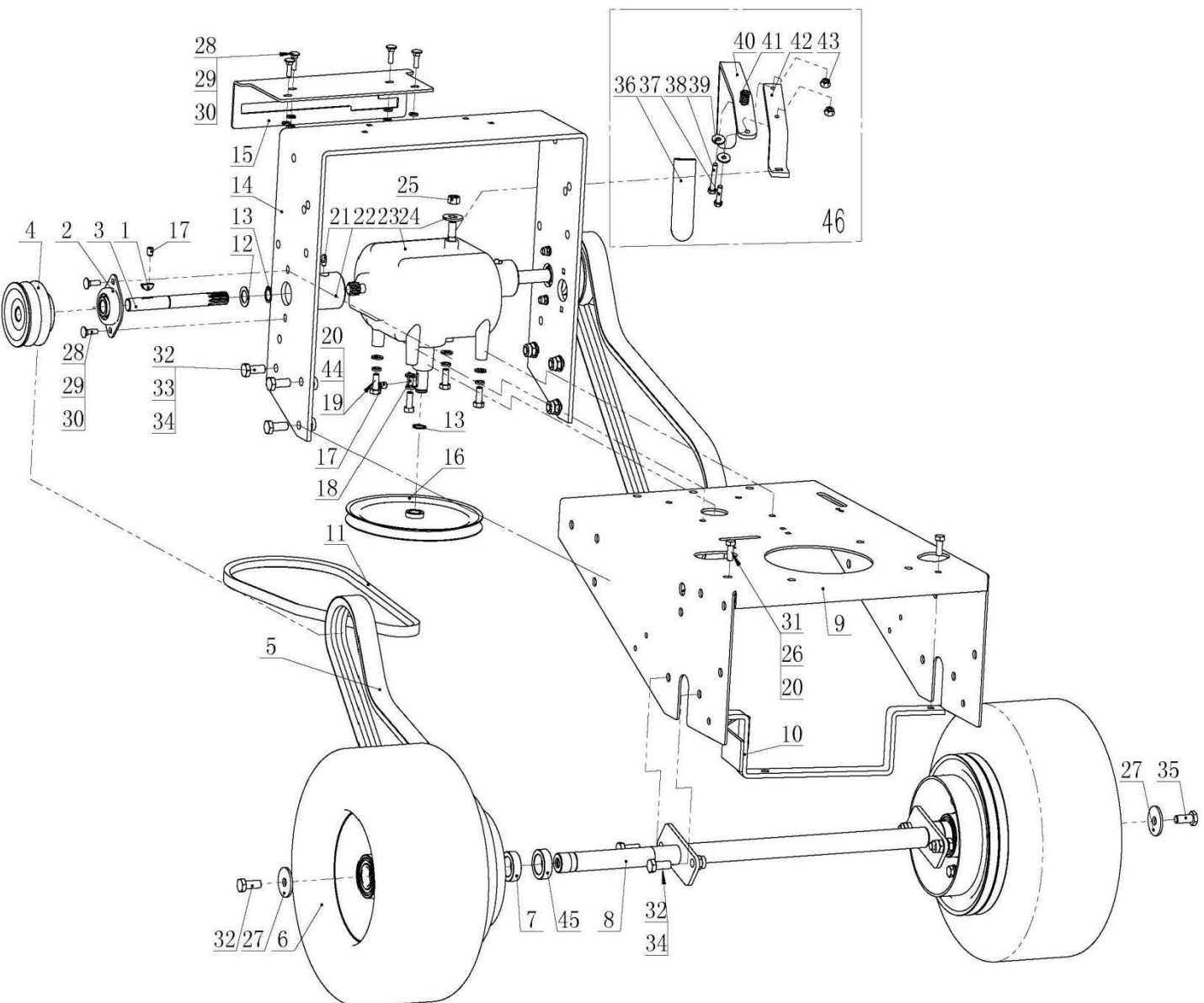
Item No.	Part No.	Figure No.	Name	Qty
1	200-049	GB/T 5783	bolt M8X35	4
2	200-024	GB/T 93	washer 8	4
3	200-021	GB/T 95	washer 8	4
4	100-112	GC44.9.1-3	friction pulley	1
5	100-110	GC44.9.1-1	traveling sheave	2
6	100-111	GC44.9.1-2	Geneva cushion	4
7	132-006	13*5.0-6	Tyre for 32"	1
	148-012	13*6.5-6	Tyre for 36"	1
8	200-061		rolling bearing 6005-2RS	2
9	132-008	GC44.9	rear wheel for 32"	1
	300-019	GC45.4	rear wheel for 36"	1

Front Caster Assembly



Item No.	Part No.	Figure No.	Name	Qty
1	200-336	GB5782	bolt M12X145	1
2	100-093a	GC44.6-1	supporting set	1
3	700-158	GC31.5.4-1	bearing end block	2
4	100-095	9*3.5-4	front tyre	1
5	336-139	GC31.5-6	adjusting washer	1
6	200-192	GB95	washer 12	1
7	200-007	GB889.1	nut 12	1
8	100-098	GC31.11-3	front wheel washer	3
9	100-096	GC44.6.1	front wheel bracket welding part	1
10	100-100	GC31.11-4	bush	2
11	100-101	GC44.7.1	front wheel bracket welding	1
12	200-026	GB/T 1152	M6 oil cup	1
13	100-099	GC31.11-2	front wheel 6.4 washer	1
14	336-236	GC31.11-1	front wheel washer	1
15	100-097	DIN 11023	spur guard 6*45	1
16	336-141a	87411	needle bearing L=40	2
17	200-026a	JB/T 7940.2	oil cup M6	1
18	100-095a		front wheel tire assembly	1

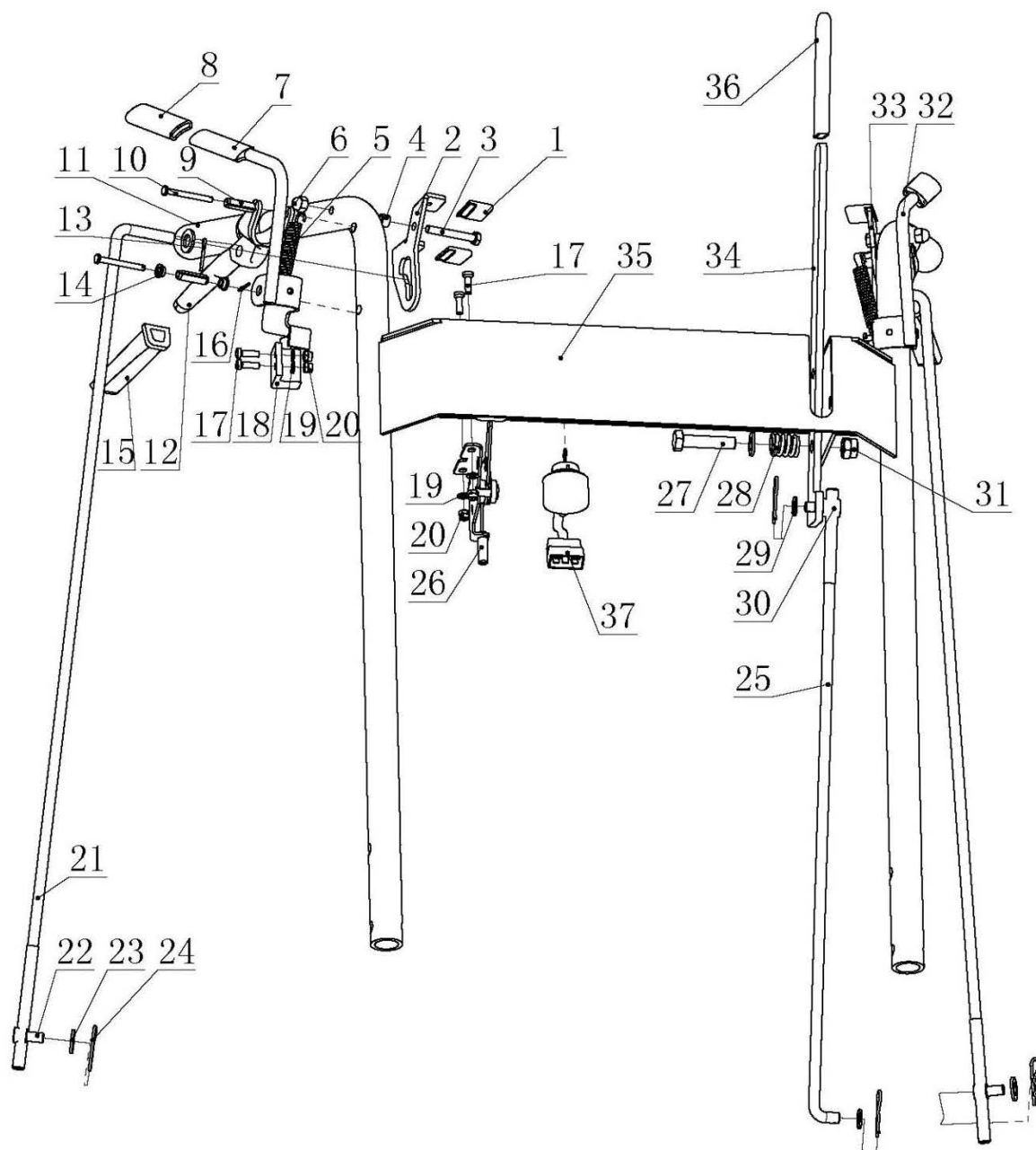
Transmission Assembly



Transmission Assembly

Item No.	Part No.	Figure No.	Description	Qty
1	200-217	GB/T 1099	woodruff key 5.0X7.5X19	2
2	100-049	GC44.4.4	bearing seat assembly	2
3	100-053	GC44-10	transmission shaft	2
4	100-047	GC44-8	double-groove	2
5	100-050	48202	Drive belt for 32" & 36"	2
6	132-009	GC44.9	rear wheel assembly for 32"	2
	300-019	GC45.4	rear wheel assembly for 36"	2
7	100-136	GC44-14	rear wheel washer for 32"	2
	100-099	GC31.11-2	front wheel 6.4 washer for 36"	2
8	132-001	GC44.4.9	axle welding for 32"	1
	148-001	GC45.2	axle welding for 36"	1
9	100-006	GC44.4.4	rear chassis	1
10	100-069	GC44.4.7	belt guard plate welding	1
11	100-064	A37	triangle belt for 32" & 36"	1
12	100-133	GC44-9	block	2
13	200-047	GB/T 894.1	retaining ring 16	3
14	100-001a	GC44.4-3	fuel tank bracket	1
15	100-002a	GC44.4-13	speed indicator	1
16	100-063	GC44.8	triangular groove welding wheel	1
17	200-116	GB/T 77	bolt M8X8	3
18	100-117	GC44-7	transmission key	1
19	200-037	GC44-6	transmission bolt 5/16-18	4
20	200-021	GB/T 95	washer8	6
21	200-026	GB/T 1152	M6 oil cup	2
22	100-054	GC44-11	coupling band	2
23	100-056		derailleur	1
24	100-048	GC44-15	square washer	1
25	200-034	GC44-12	transmission nut 3/8-24	1
26	200-030	GB/T 889.1	nut M8	1
27	100-019	GC32.1-4	Φ10 belt wheel pad	2
28	200-011a	GB/T 801	bolt M6X20	8
29	200-301	GB/T 95	washer 6	8
30	200-009	GB/T 889.1	nut M6	8
31	200-048	GB/T 5783	bolt M8X20	2
32	200-003	GB/T 5783	bolt M10X25	11
33	200-010	GB/T 95	washer 10	4
34	200-006	GB/T 889.1	nut M10	4
35	100-119	GC44-5	M10 land-hand bolt	1
36	100-045	GC31-13	rubber sleeve with knife handle	1
37	200-313	GB/T5783	bolt M6X25	1
38	200-044	GB/T 5782	bolt M6X40	1
39	200-331	G/T 96	washer 6	2
40	100-046a	GC44.2-2	gear change hand lever for 32"	1
	100-046	GC45.3-1	gear change hand lever for 36"	1
41	100-061	GC44.2-3	compression spring I	1
42	100-059	GC44.2-1	shift lever	1
43	200-203	QC/T 864	nut M6	2
44	200-024	GB/T 93	washer 8	4
45	100-136	GC44-14	rear wheel washer for 32"	2
	336-236	GC31.11-1	front wheel washer for 36"	2
46	100-046B		Translation change lever components for32"	1
	100-046C		Translation change lever components for36"	1

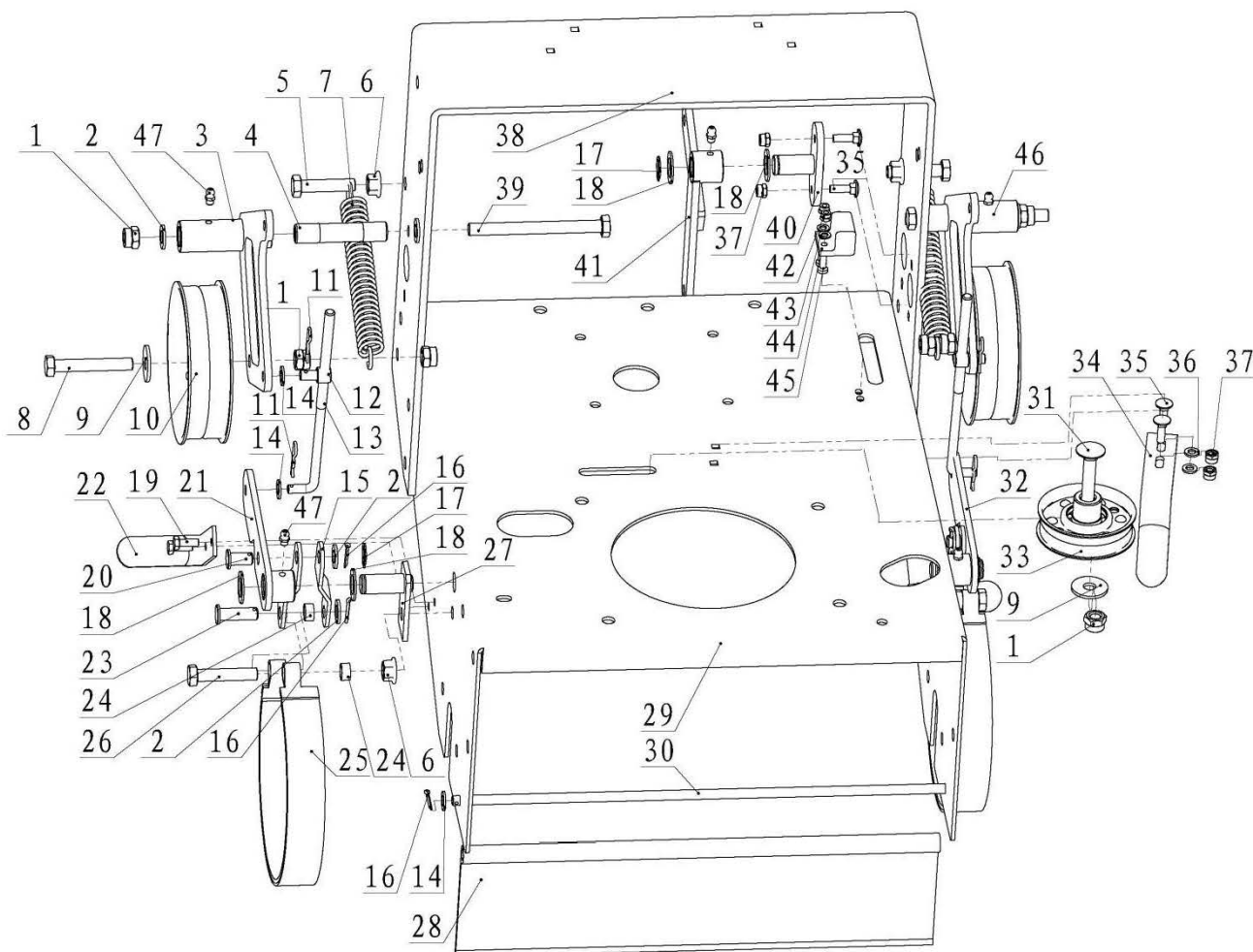
Handle Control Assembly



Handle Control Assembly

Item No.	Part No.	Figure No.	Description	Qty
1	336-150	GC37.1-5	brake lock	4
2	100-089	GC44.1-7	right brake lock	1
3	200-327	GB/T 5782	bolt M6×45	2
4	100-087	GC44.1-8	brake lock adjusting sleeve	2
5	100-077	GC44.1-6	handle spring	2
6	200-051	GB/T 923	nut M6	2
7	100-084	GC44.1.1	right handle welding	1
8	WM2836-056	GC37.1-8	control handle sleeve	2
9	100-076	GB/T 879.1	elastic cylindrical pin8X26	4
10	100-075	GC44.1-10	handle rotating pin shaft	4
11	100-072	GC37.1-7	mittens	2
12	100-073	GC44.1-9	brake handle	2
13	200-014	GB/T 91	Cotter pin 2X20	2
14	100-083	GC44.1-11	control handle copper sleeve	4
15	300-089	GC37.1-13	brake handle sheath	2
17	200-012	GB/T 818	screw M5X16	6
18	336-130a		One-way safety switch	2
19	200-138	GB/T 95	washer5	6
20	200-013	GB/T 889.1	nut M5	6
21	100-074	GC44.1-4	control rod	2
22	100-018	GC44.4-15	rod joint	2
23	200-010	GB/T 95	washer 10	5
24	200-069a	GC31.1-15	φ2latch	4
25	100-080	GC44.1-5	expanding rod	1
26	100-091	GC31.4.6B	throttle assembly	1
27	200-052	GB/T 5782	bolt M10X45	1
28	100-081	GC44.1-1	compression spring II	1
29	200-021	GB/T 95	washer 8	2
31	200-132	GB/T 889.1	nut M10	1
32	100-085	GC44.1.3	the left handle welding control	1
33	100-088	GC44.1-3	left brake lock	1
34	100-082	GC44.1-2	blade handle	1
35	100-090	GC44.1.2	armrest welding	1
36	100-045	GC31-13	rubber sleeve with knife handle	1
37	100-114A	QDS-4	Key Switch & Key	1

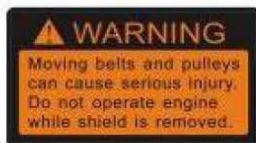
Rear deck Assembly



Rear deck Assembly

Item No.	Part No.	Figure No.	Description	Qty
1	200-132	GB/T 889.1	Nut M10	9
2	200-010	GB/T 95	Washer10	8
3	100-034	GC44.4.5	The right diamond bracket welding part	1
4	100-004	GC44.4-14	Inner sleeve	2
5	200-052	GB/T 5782	Bolt M10X45	2
6	200-016	QC/T 864	Nut M10	6
7	100-057	GC31.3.2-4	Diamond bracket spring	2
8	200-022	GB/T 5782	Bolt M10X65	2
9	200-147	GB/T 96	Washer 10	3
10	100-058	GC44.4.10	Belt pulley assembly II	2
11	200-069a	GC31.1-15	φ2 bolt	4
12	100-018	GC44.4-15	Rod joint	2
13	100-036	GC44.4-5	brake lever	2
14	200-021	GB/T 95	Washer 8	6
15	100-040	GC44.4-10	type Z hing plate	4
16	200-014	GB/T 91	cotter pin2X20	6
17	200-047	GB/T 894.1	Retaining ring 16	3
18	100-120a	GC44.4-1	Φ16 washer	6
19	200-120	GB/T 5783	Bolt M6X16	4
20	100-043	GC44.4-9	Pin shaft I	2
21	100-037	GC44.4.1	brake lever (right)	1
22	100-051	GC44.4-6	Guard board II	2
23	100-039	GC44.4-11	Pin shaft II	2
24	100-135	GC44.4-2	Brake band cover	4
25	100-044	GC44.4.6	Brake band assembly	2
26	200-032	GB/T 5782	Bolt M10X50	2
27	100-041	GC44.4.2	Brake shaft welding	2
28	100-011	GC44.4-7	Block board	1
29	100-006	GC44.4-4	rear chassis	1
30	100-012	GC44.4-8	Plate pin shaft	1
31	200-151a	GB/T 14	Bolt M10X50	1
32	100-038	GC44.4.3	Brake lever(left)	1
33	100-065	GC44.4.8	Pressure roller III assembly	1
34	100-068	GC44.4-12	Guard apron III	1
35	200-011a	GB/T 801	Bolt M6X20	4
36	200-301	GB/T 95	Washer 6	6
37	200-009	GB/T 889.1	Nut M6	8
38	100-001a	GC44.4-3	Fuel tank bracket	1
39	200-008	GB/T 5782	Bolt M10X110	2
40	100-079	GC44.4.12	Type K shaft bracket welding	1
41	100-078	GC44.4.13	Type K bracket	1
42	200-013	GB/T 889.1	Nut M5	2
43	200-138	GB/T 95	Washer 5	4
44	336-130a		One-way safety switch	1
45	200-012	GB/T 818	Screw M5X16	2
46	100-035	GC44.4.11	Diamond left bracket welding part	1
47	200-026	GB/T 1152	Oil cup M6	4

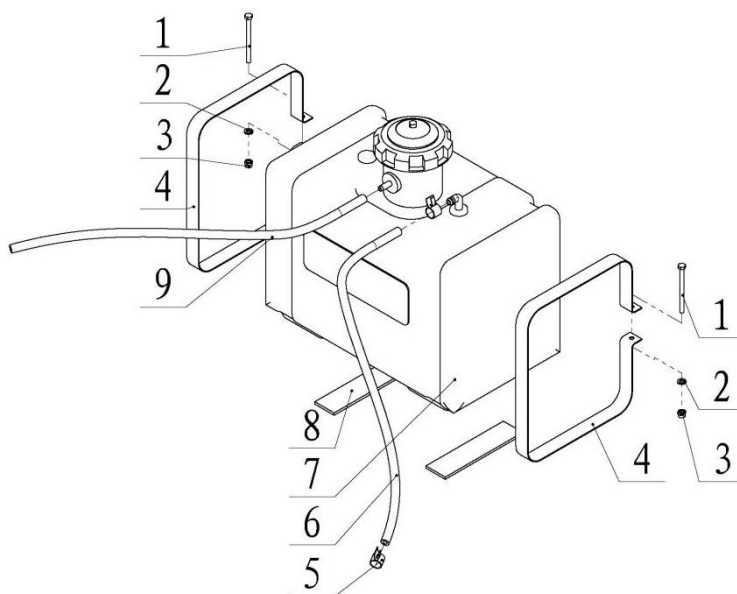
100-130C1



100-130C2

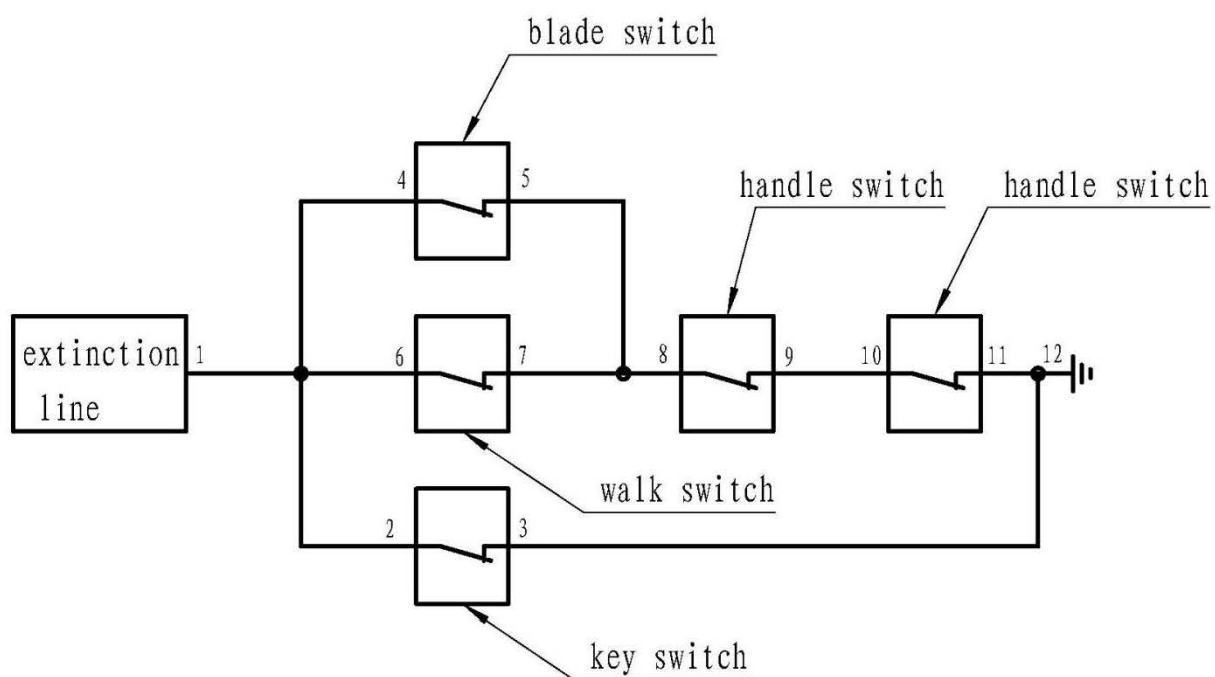


Fuel Tank Assembly



Item No.	Part No.	Figure No.	Name	Qty
1	200-328	GB/T 5782	bolt M6×75	2
2	200-301	GB/T 95	washer 6	2
3	200-009	GB/T 889.1	nut M6	2
4	336-143	GC31.7-2	gasoline tank fixing belt	2
5	200-059		gasoline tubing clamp	2
6	100-106	φ12Xφ6.5	gasoline pipe	1
7	WM2836-089		fuel tank	1
8	100-107	GC31.7-1	tank pad	2
9	336-234		Exhaust Pipe	1

ELECTRICAL DIAGRAM



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BRADLEY MOWERS PRODUCT REGISTRATION



CUSTOMER INFORMATION

Name: _____

Business Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

DEALER INFORMATION (place of purchase) *required

Dealer's Name: _____

Dealer's Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____

(The remaining dealer information will help you get warranty service faster should you need it.)

PRODUCT INFORMATION

Product Name and Model Number: _____

Serial Number: _____

Engine Brand and Size: _____

Engine Serial Number: _____

Engines, hydraulic pumps, and batteries are warranted through their respective manufacturers. Please contact the manufacturer for more details.

Signature _____ Date of Purchase: _____

KEEP YOUR RECEIPT WITH A COPY OF THIS REGISTRATION FORM

Mail your completed form to:
Havener Enterprises, Inc.
368 S. Michigan Ave.
Bradley, IL 60915

Email your completed form to:
info@bradleymowers.com

Fax your completed form to:
888.785.1348

Complete your registration form online at www.bradleymowers.com

Warranties should be performed by an authorized Bradley Mowers dealer. All other warranty service requires prior approval.

Your product warranty is only valid if this form is completed, signed, and returned to Havener Enterprises, Inc. within two weeks of product purchase. See the warranty statement for more details.

Your information may be collected but never shared outside of Havener Enterprises, Inc. and its subsidiaries.