



**BLUEBIRD®**

**Operator Manual**

# Brush Cutter

Safety and Operating instructions

Model number

969121845

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# Safety Information



**Attention; this machine can be dangerous! All operators should fully read all instructions and use extreme care and awareness when operating the Unit. Failure to follow the instructions or modify the equipment can result in personal injury.**

**Thank you** for purchasing the BlueBird Brush Cutter. It will allow you to mow and clear areas of brush and grasses. Please become familiar with the unit before operating.

Enter your model number and serial number for future reference.

Model number \_\_\_\_\_ Serial number \_\_\_\_\_

If you have any problems or concerns about this unit please call your dealer or contact us at [Customerservice@BlueBirdturf.com](mailto:Customerservice@BlueBirdturf.com)

## Mandatory Operating preparation:

- **Read this safety and operation manual to understand proper safety procedures and operation.**
- Do not allow anyone to operate this unit without proper training.
- Do not allow children to operate the Brush cutter.
- Do not run unit indoors or in poorly lit conditions, run in daytime only .
- Do not operate this equipment under the influence of any type of medication or alcohol which might impair reflexes or judgment.
- Do not attempt to defeat any safety device.
- Keep all observers including children and pets away from unit including the discharge area.
- Wear safety glasses ,hard hat, ear protection, gloves, hard toe shoes and avoid loose fitting protective clothing.
- Keep clear of the cutting deck when starting or operating unit.
- Check for all safety decals and instructions should be legible
- Never attempt any cleaning of the machine while it is operating.
- Make sure all guards and shields are in place and intact.
- Avoid touching and hydraulic fitting or hose when engine is running.
- If you hit something while mowing, disconnect spark plug and examine unit for damage before proceeding.
- Replace any safety decals that become worn or illegible.

# Safety symbols used on equipment



Danger: this machine must be operated in a safe manner according to the directions in the manual. Failure to observe the instructions or modify or use the machine when repair is needed could result in serious injury or death. As with any power equipment caution should be observed!



**WARNING:** Using this equipment and engine exhaust can expose you to chemicals including benzene which is known to by the state of California to cause cancer , birth defects and /or reproductive harm. For more information go to [www.prop65Warnings.ca.gov](http://www.prop65Warnings.ca.gov)



Read the safety and operating manual: read and understand this manual before operating this equipment.

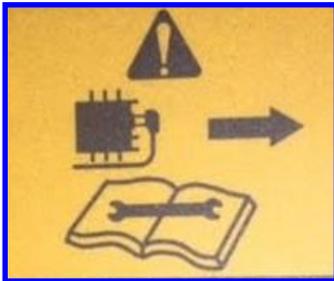


Do not insert hands or feet in opening

# Safety symbols used on equipment continued:



Do not insert foot under guard



Disconnect spark plug and read manual before servicing the equipment



Wear protective eye and ear equipment

During production some decals may be different than what is used on the machine, understand their meaning if they are different, or call 1866 847 8592 for assistance.

# Assembly

The unit is mostly assembled:

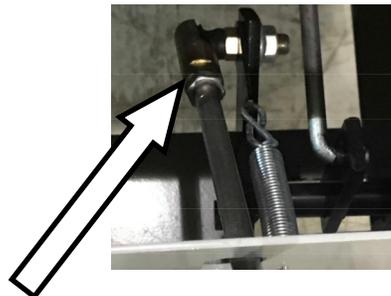
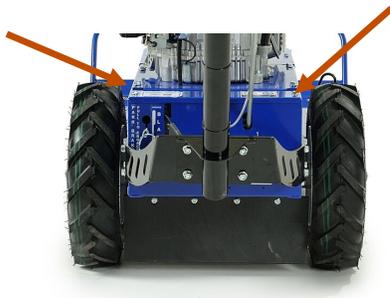
- Remove 4 bolts from frame where handle mounts if they are installed.
- Attach handle to frame. And tighten bolts.



- The throttle cable is attached to the engine with a clamp after inserting the cable in the throttle linkage.



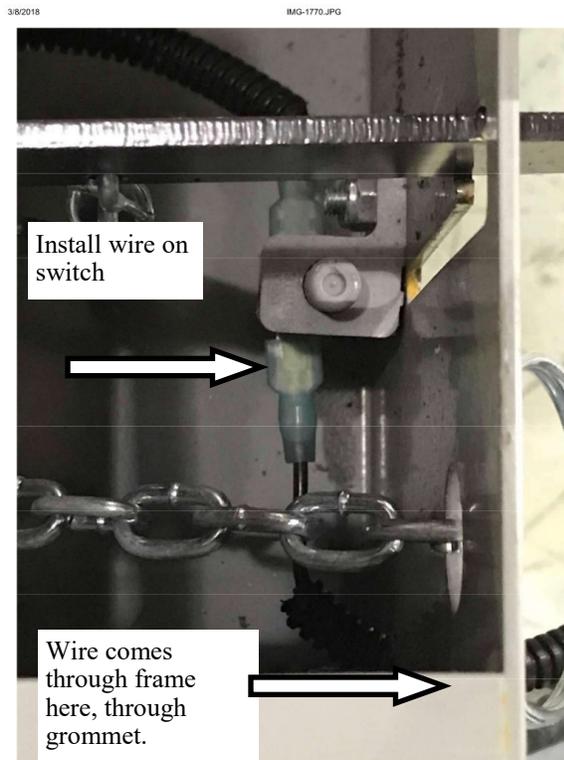
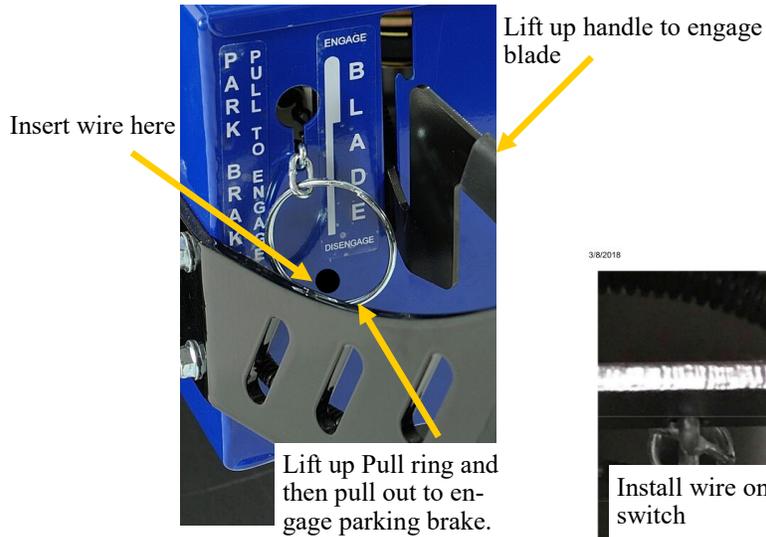
- Remove the cover accessing the control linkage and safety switch.



- The forward and reverse linkage is threaded into the coupling, thread the lower fitting all the way in and tighten the jam nut on the rod to the fitting. The upper fitting should be close to flush with the end. Insert fitting in hand lever linkage and insert hairpin. When set up correct the unit will have equal forward and reverse movement.

# Assembly

Insert safety wire from handle though the small hole on left front of unit. Attach the wire through the grommet to the safety switch behind the panel



Pull out lever to push unit without power.

# Pre-operation

## Danger!

- Never fuel the unit or run the unit in an enclosed space. Residual gas fumes could be ignited by a water heater or furnace in a garage. Gas fumes are very flammable and you should change clothes if some is spilled on you.
- Clean up any spills and do not dispose of gas soaked rags in the trash, they may spontaneously combust.
- Engine produces carbon monoxide and is fatal within minutes in an enclosed environment, never run engine indoors or confined area
- Never smoke while fueling the unit. Make sure the fuel cap is secure on both the machine and the gas can after fueling.

- Use fresh gasoline and keep lid on gas can when not refueling.
- Store fuel away from heat or flame.
- Use a fuel stabilizer to insure gas will remain volatile.
- Make sure the unit is on a stable level surface.
- Check all bolts and guards to make sure they are tight and in proper working order.
- 
- Know how to stop unit and be familiar with the controls.
- There are many different state and federal laws concerning gasoline engines use . A spark arrestor (contact the engine manufacturer for further information) may be necessary if using in a wooded area or National forest. Consult authorities in the area you intend to use the equipment.

# Operation Guidelines

- Having a fire extinguisher is recommended since you are using a combustion engine near wood scraps and chips.
- Never attempt to alter engine governor to increase maximum speed.
- Never modify a guard and keep them in good working order.
- Keep the air intake on the engine clean of debris.
- Never remove the air cleaner while the engine is operating.
- Never leave the unit running unsupervised.
- The unit should only be used in daylight.
- Do not touch the muffler unless the unit has completely cooled down
- Check safety labels daily and replace when necessary.
- The tires should be inflated to 39 PSI.
- Check engine oil daily or during extended operation
- Check blade for damage if you feel vibration when operating the unit.

## Starting the engine:

- Disengage the blade clutch.
- Open fuel shutoff valve.
- Adjust throttle halfway.
- Pull starter cord rapidly when the starter engages and let unit warm up at 50% throttle then increase to 100 %
- Check operation of safety switches. When all checks out restart engine and pull the blade clutch lever up to engage the blade( one operator presence control needs to be depressed when the blade is engaged).
- By twisting the motion grip forward the unit should go forward twisting it backward will allow the unit to go backwards. The middle will cause the unit to stop. Pull brake ring to lock the transaxle from moving.
- Never allow unit to run unattended.
- Check unit after 8 hours for proper belt tension and tightness of all hardware.

# Maintenance



- When performing any maintenance on this unit, with engine off spark plug wire must be disconnected and placed away from spark plug to prevent accidental starting!
- When doing any repair refer to qualified repair personnel if you are uncertain of the procedure.
- Refer to the engine manual for all engine servicing.
- Do not attempt to increase the engine speed from factory setting.
- Cleaning the unit with a hose is okay but allow to dry before storing unit
- Check blade tightness and sharpen if necessary.
- Check, clean or replace air filters as necessary.
- Change engine oil after the first 5 hours of use.
- Check at 40 hours the spark plug and change the engine oil.

## Blade:

Changing the blade requires the unit tipped up and wedging the blade end against the side with a block of wood. Undo the bolt and remove the blade. Sharpening can be done and then the blade should be balanced before re-installing. The blade bolt has right hand threads.

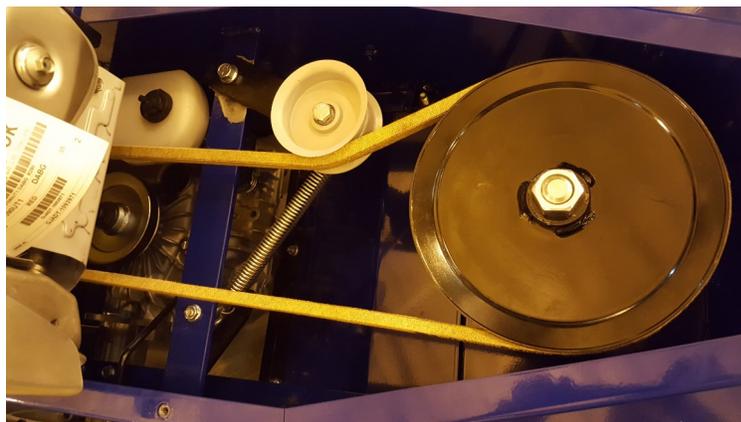
## Belts:

Disengage the blade lever and remove the front cover.

Remove the belt from the pulleys. When reinstalling the belt put belt on engine clutch pulley then the spindle pulley, the backside of the belt rides on the idler pulley.

Belt tension for the blade should be adjusted for a 10 lb pull with 1/2 inch deflection.

Belt tension for the transmission should be 5 lb for 3/16 inch deflection



# Troubleshooting

## Engine:

When ever you have a problem, try to think through the problem logically. Mechanical failure may be the least likely of problems. With a unit like this that may have times of inactivity, realize old fuel will be the most frequent problem. If this is the case ,drain the fuel , replace the spark plug and try new fuel. If old fuel is known to be in the unit the carburetor should be disassembled by a trained repair technician. If using a fuel stabilizer at the time the fuel was purchased, the fuel can be stored for 6 to12 months and still be used. Do not attempt to revitalize old fuel with fuel stabilizer.

Keep the engine area clean and check air filter if the engine is hard to start of there is a loss of power.

## Remember:

- ♦ **Disengage the blade before starting.**

## Engine runs but unit won't move:

The freewheel engagement lever may be pulled out, the brake may be on or the belt may have come off. If engine bogs down when using try slowing down for the particular environment.

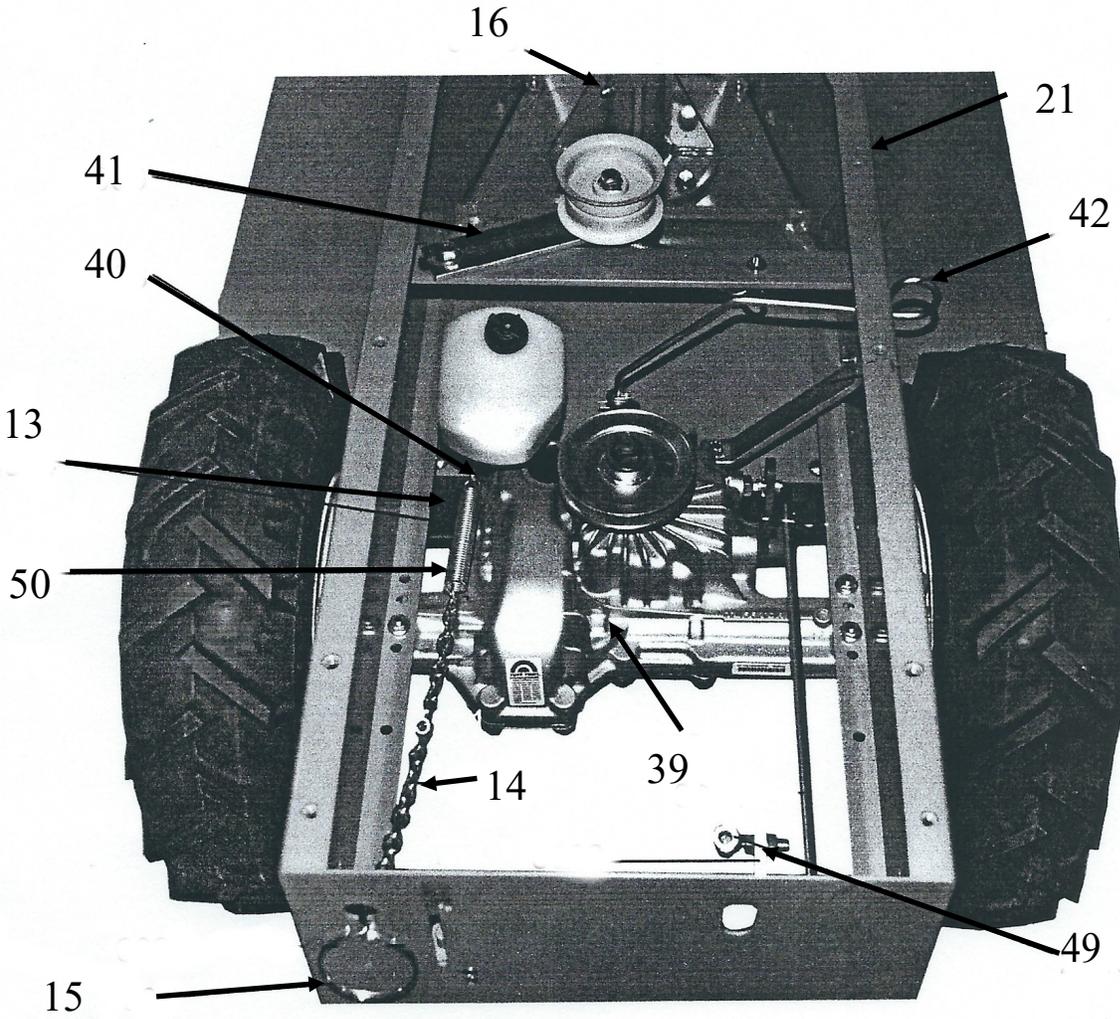
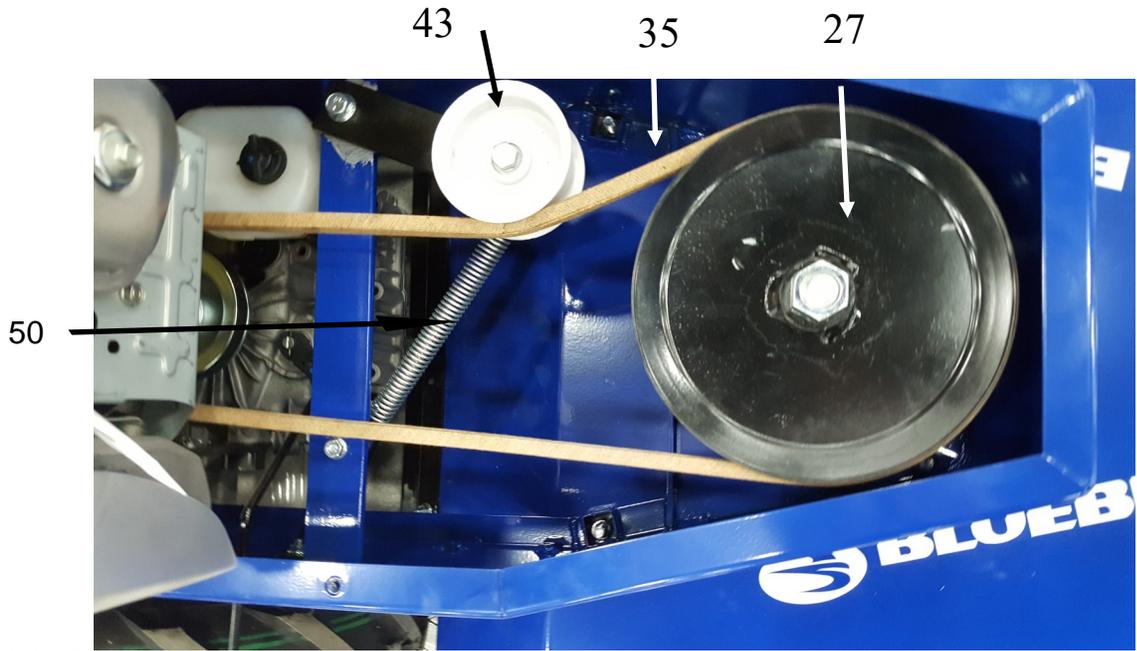


Free wheeling lever, push in for unit to move under power. Pull out to push unit manually with engine off.

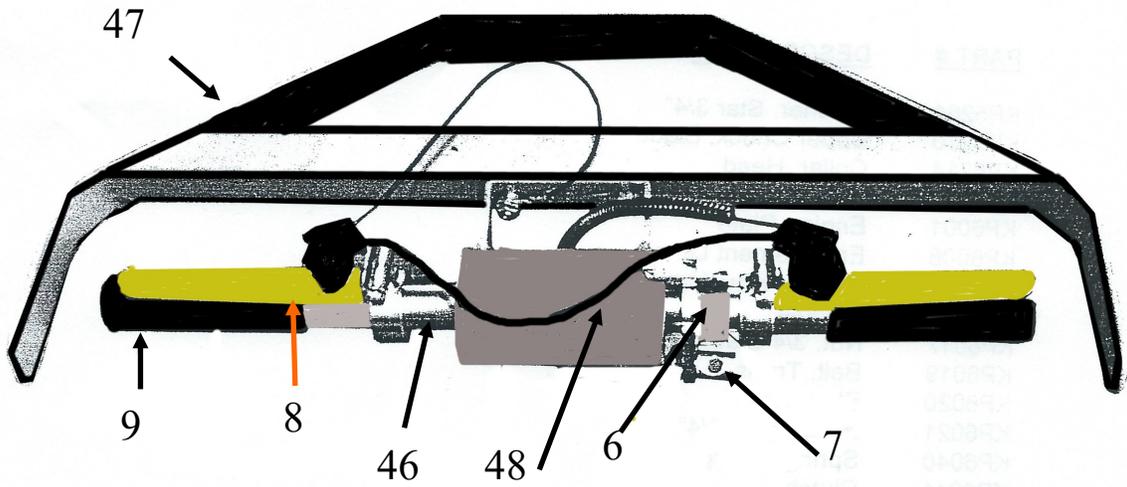
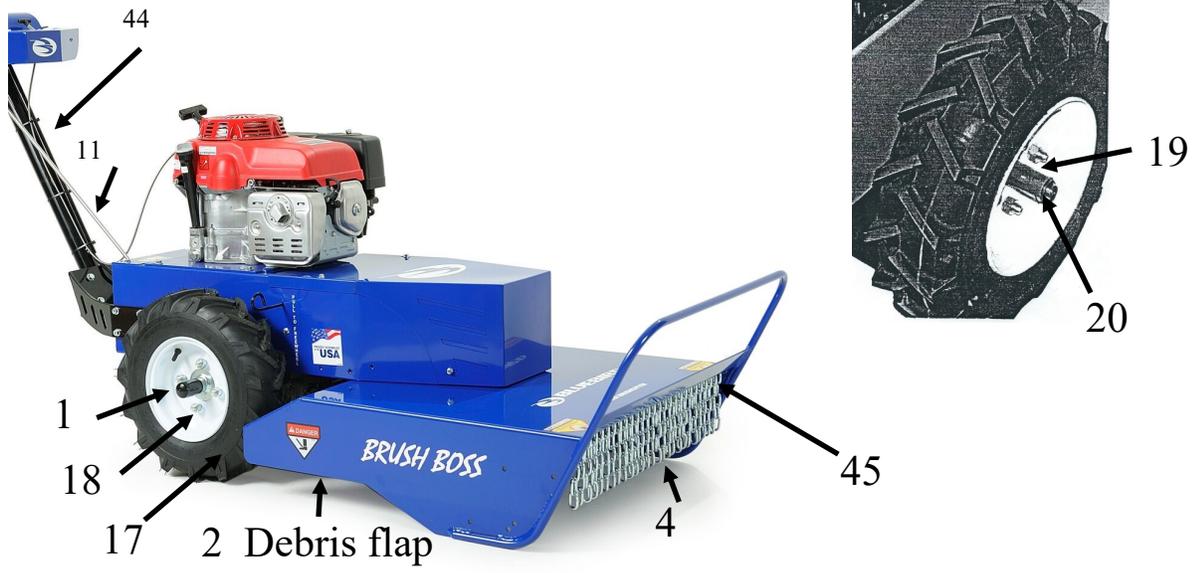
# Storage

- Some pieces of power equipment are not used frequently. This can cause problems due to the fact fuel has a limited shelf life.
- It is very hard to remove all fuel from a carburetor so it is recommended to add fuel stabilizer to the fuel (at the time of purchasing the fuel) and fill up the fuel tank.
- Run the unit for two minutes to have the fuel get into all parts of the carburetor and shut off the engine. By having the fuel tank full it reduces air space which helps with prolonging the life of the fuel.
- Even when using stabilized fuel if the unit is not run for over 12 months the stabilized fuel should be discarded (please dispose of correctly according to local codes) and refilled with fresh fuel.
- Using old fuel can leave deposits in the engine, along with hard starting.
- Make sure unit is clean before storage.
- Change oil as prescribed in the engine manual that comes with the unit.

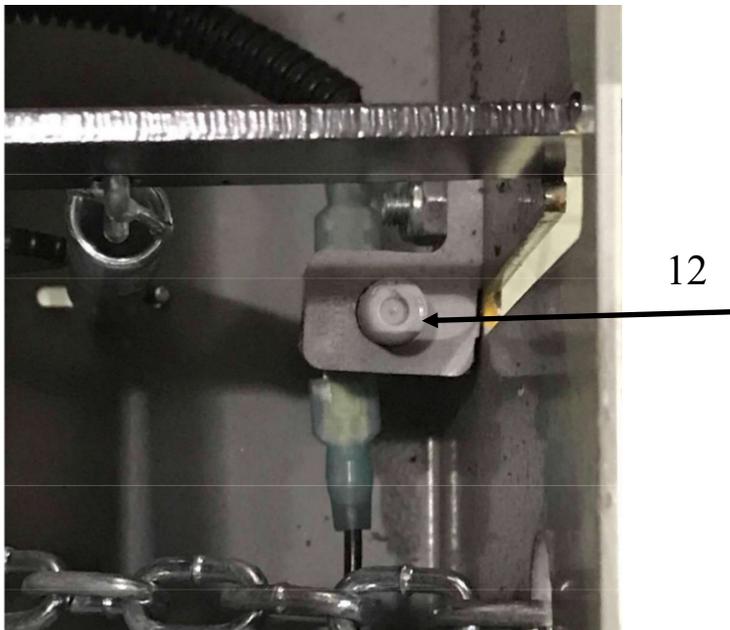
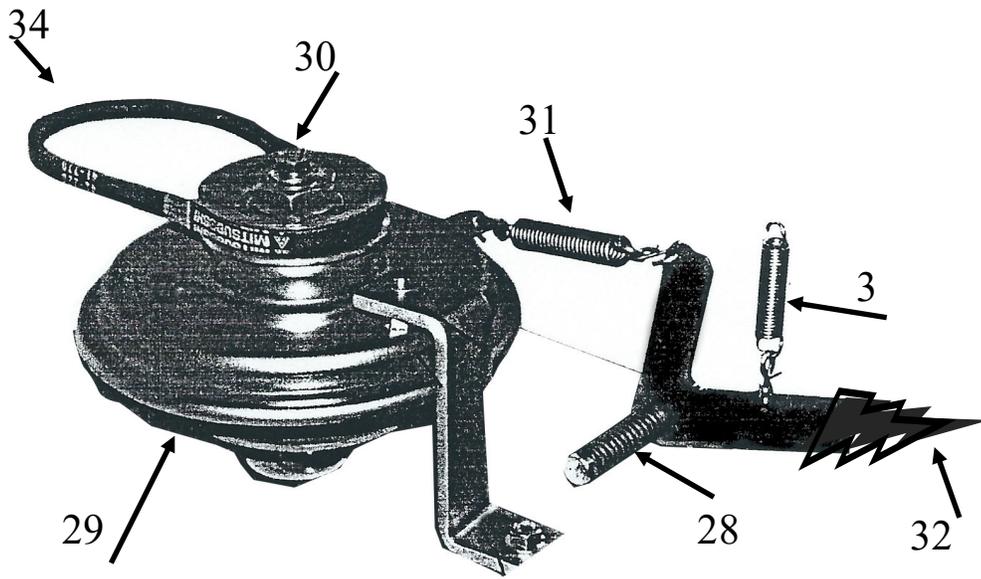
# Transmission and blade drive



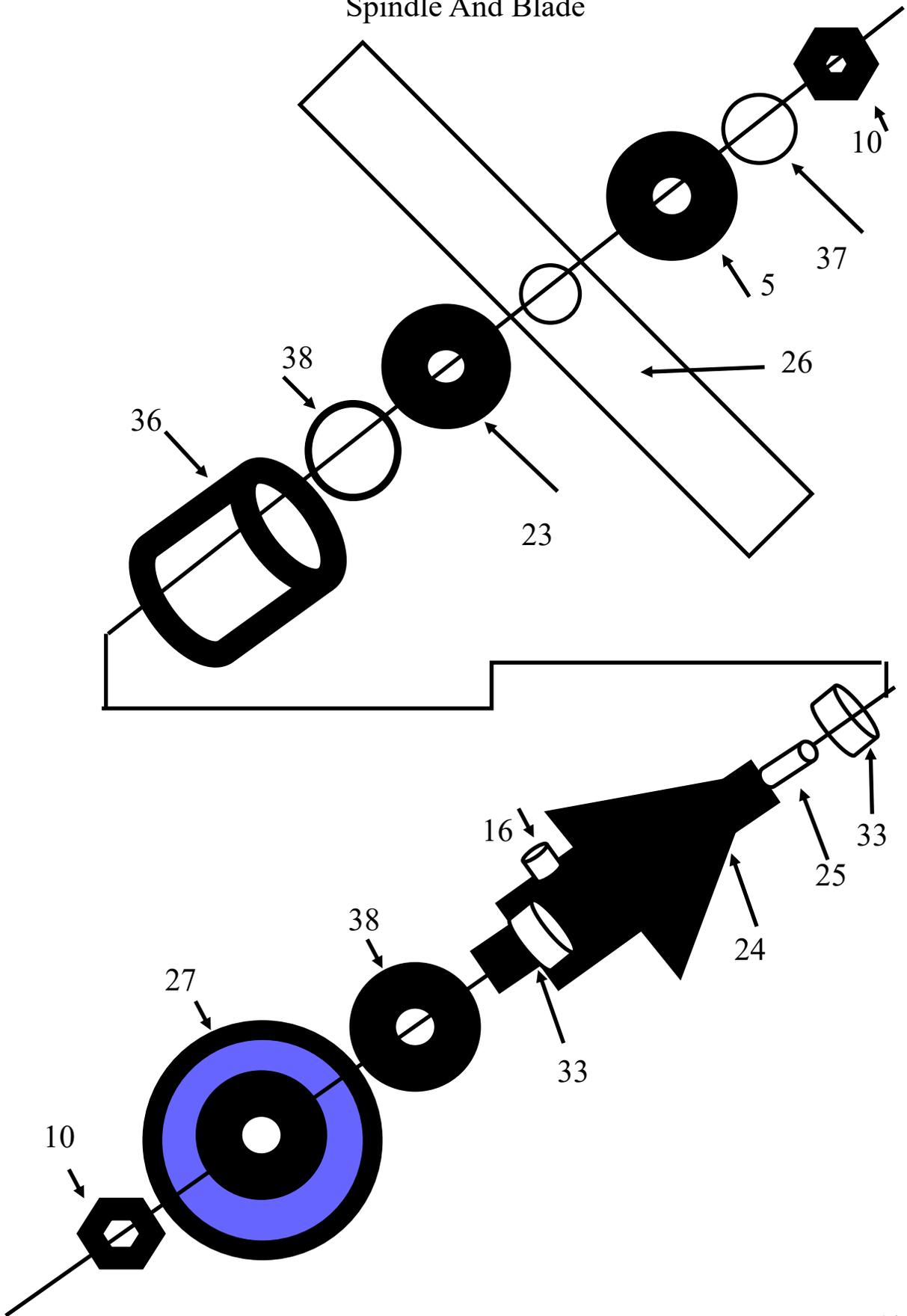
# Deck and controls



# Clutch and safety switch



# Spindle And Blade



Item number	description	Part number
1	Caps , axle	577122179
2	Flap debris	577122185
3	Spring -safety switch	577122198
4	Chain, deck	577122201
5	Lower chuck , blade	577122203
6	Drive collar	577122204
7	Block swivel	577122205
8	Paddle , safety	577122207
9	Grip	577122208
10	Nut for blade	577122210
11	Control rod	577122181
12	Switch interlock	577122222
13	Skidder trans	577122223
14	Chain parking brake	577122228
15	Split ring 2 inch	577122230
16	Grease zerk	577122231
17	Tire 480x8	577122233
18	Rim	577122234
19	Hub	577122240
20	E clip	577122245
21	Main frame	577122169
22	Throttle	577122250
23	Upper chuck, blade	577122254
24	Spindle housing	577122259
25	Spindle	577122260

Item number	description	Part number
26	Blade 26 inches	577122263
27	Pulley 8 inch x3/4	577122264
28	Spring , compression	577122265
29	Clutch	577122266
30	Bolt 7/16 –20 x 3 1/2	577122267
31	Spring clutch	577122270
32	Grip 1 x 4 handle	577122272
33	Spindle bearing	577122273
34	Belt / transmission	577122262
35	Belt /blade	577122219
36	Collar head	577122255
37	Washer	577122253
38	Spacer	577122256
39	Transaxle	577122189
40	S-hook	577122188
41	Idler arm	577122232
42	Free wheel lever	577122226
43	Idler pulley	577122215
44	Handle	577122172
45	1/4 inch rod for chain	577122202
46	Handle bar	577122206
47	Frame	577122209
48	Wire harness	577122182
49	Ball joint	577122192
50	Spring/ idler/brake	577122214

# Notes

Manual 160-121853 R4  
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