



# BLUEBIRD

## Operator/Parts Manual

### ORIGINAL INSTRUCTIONS



#### Models:

BC26 Brush Boss

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

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# SAFETY INFORMATION

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**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.
- Make sure nobody else is within 50ft of the machine when you start the engine, engage the drive or operate the machine.
- 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 any 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

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**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)



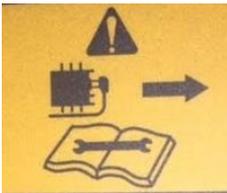
Read the safety and operating manual: read and understand this manual before operating this equipment.



Do not insert hands or feet in opening



Do not insert foot under guard



Disconnect spark plug and read manual before servicing the equipment



Wear protective eye and ear equipment

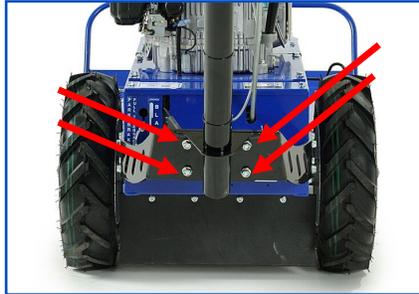
During production, some decals may be different than what is used on the machine. Understand their meaning if they are different, or call 1866 847 8592 for assistance.

# ASSEMBLY

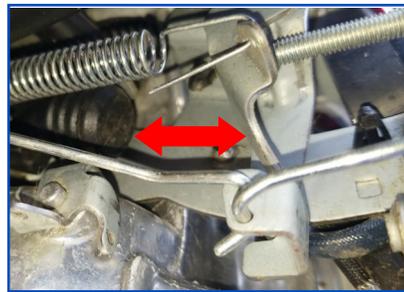
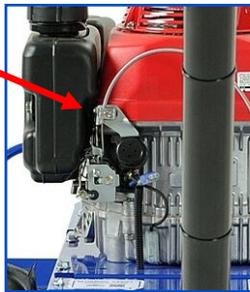
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The unit is mostly assembled:

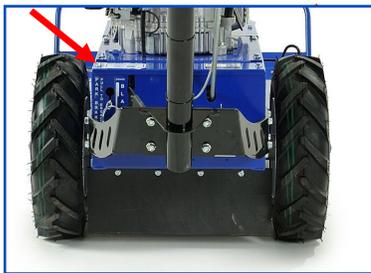
- Remove 4 bolts from frame where handle mounts (shown in image below) if they are installed.
- Attach handle to frame and tighten bolts.



- The throttle cable is attached to the engine with a clamp after inserting the cable in the throttle linkage. Adjust cable so that linkage tab hits black off switch at the lowest idle setting (turtle icon). Unit should die at lowest setting



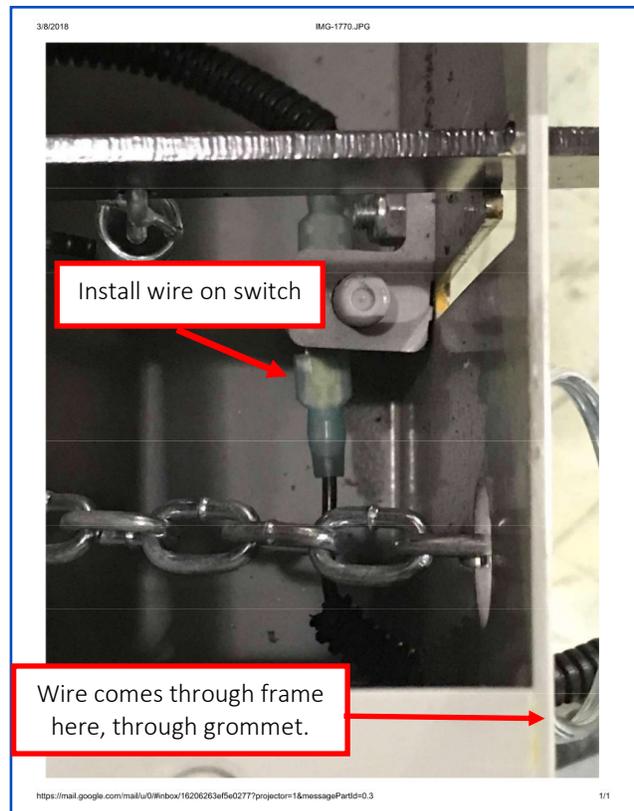
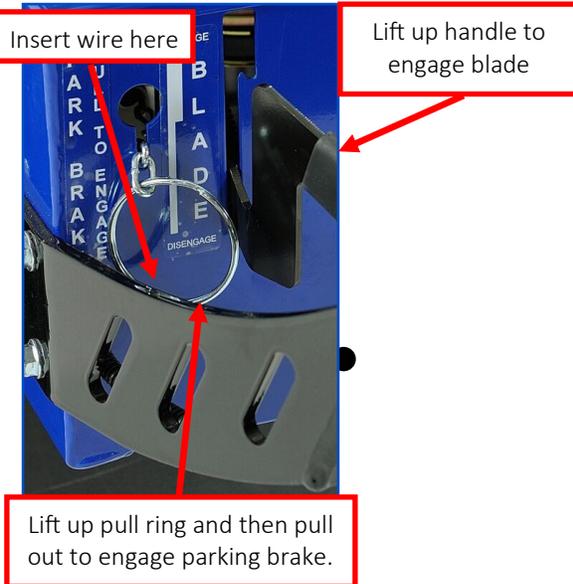
- Remove the cover accessing the control linkage and safety switch.



- 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 forward and reverse movement. This adjustment may be different on your machine.

# ASSEMBLY

- Insert safety wire from handle through 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.

# OPERATION

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- 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 in a 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 engine 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.
  - 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.

# OPERATION

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## 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

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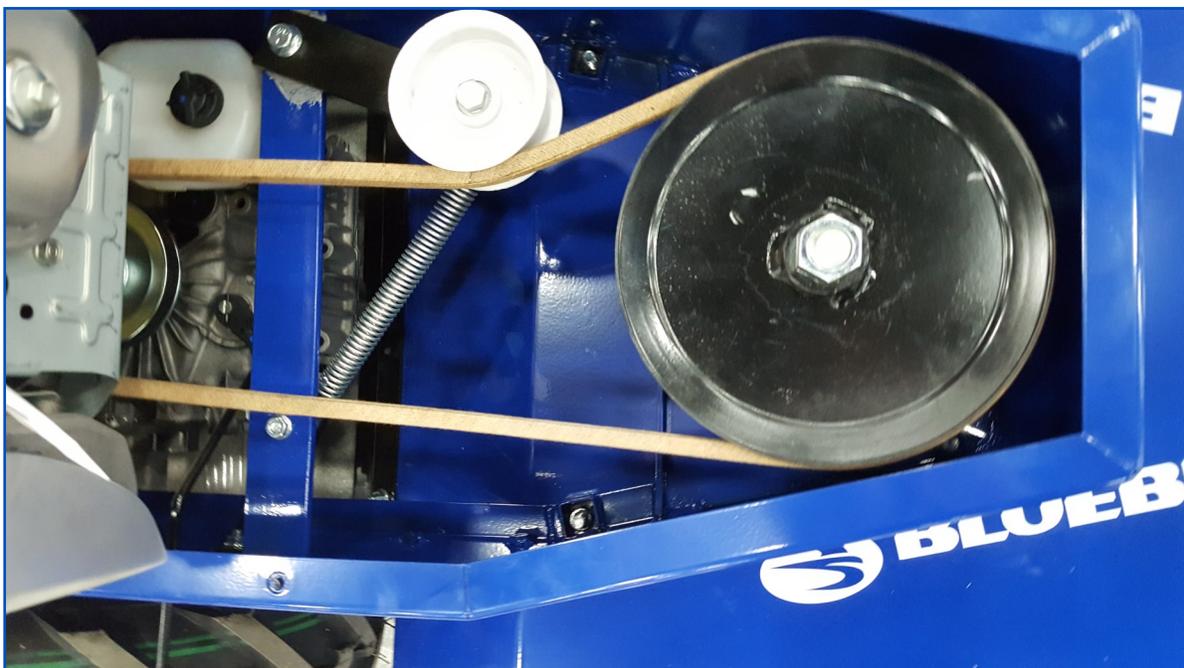
- When performing any maintenance on this unit, with engine off, spark plug wire must be disconnected and placed away from spark plug to prevent accidental starting.
- When doing any repair refer to qualified repair personnel if you are uncertain of the procedure.
- Refer to the engine manual for all 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.

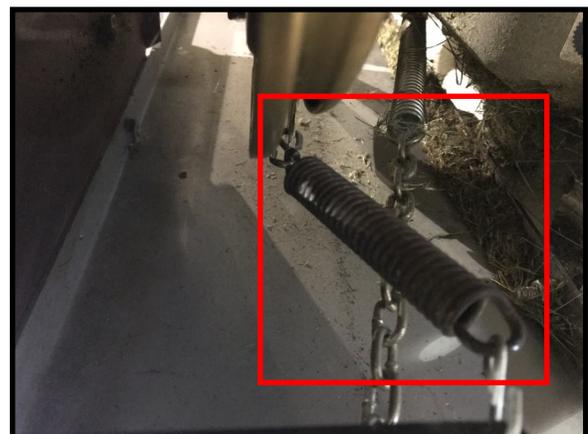
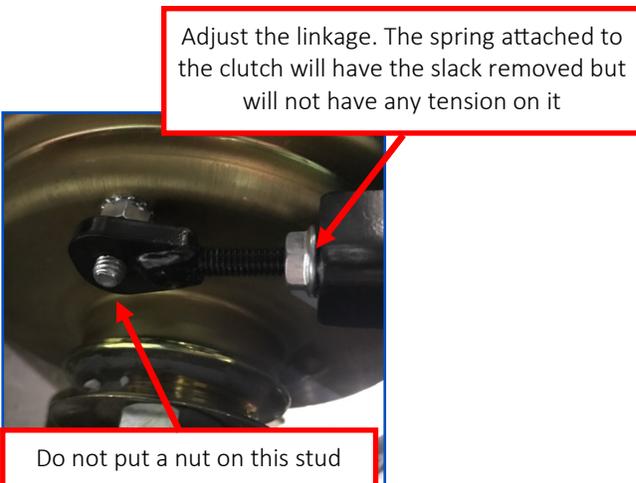
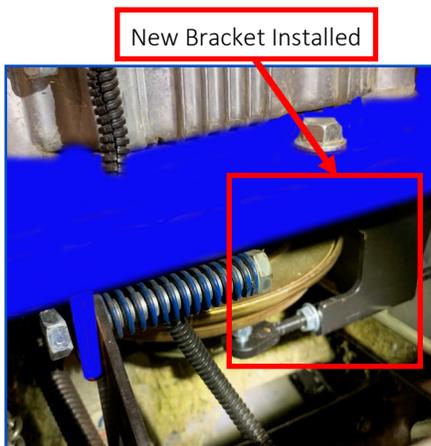
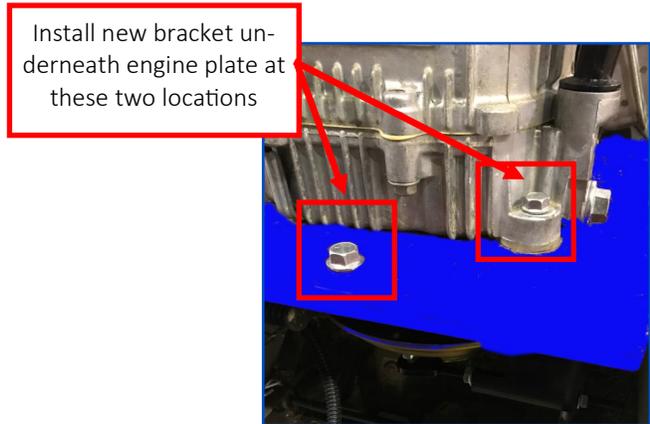
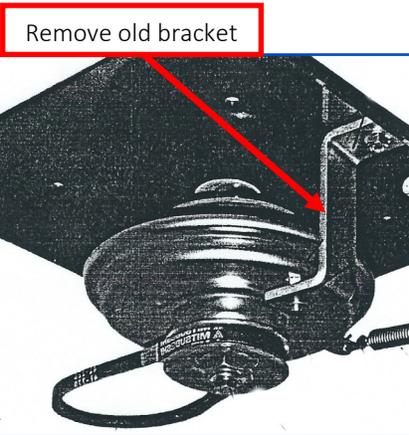
## Belts:

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



# INSTALLING AND ADJUSTING CLUTCH BRACKET

**Overview:** All units that don't have the new bracket must install this bracket and adjust the bracket. The bracket is attached to the engine plate underneath. All belts should be installed and tensioned properly. When adjusting the position of the bracket, the spring is correct when the slack is removed without tension. The engagement lever should be in the un-engaged position (down)



# 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 to 12 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 to 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.



**⚠ WARNING!**

No adjustments, service or maintenance to be carried out unless:

- the engine is stopped,
- the ignition cable is removed from the spark plug
- the blades are disengaged.

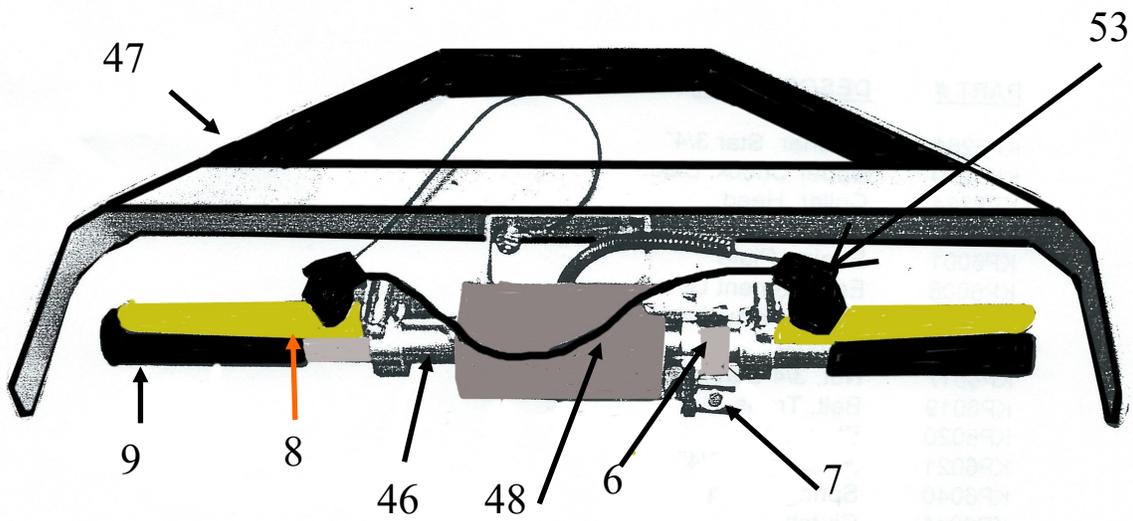
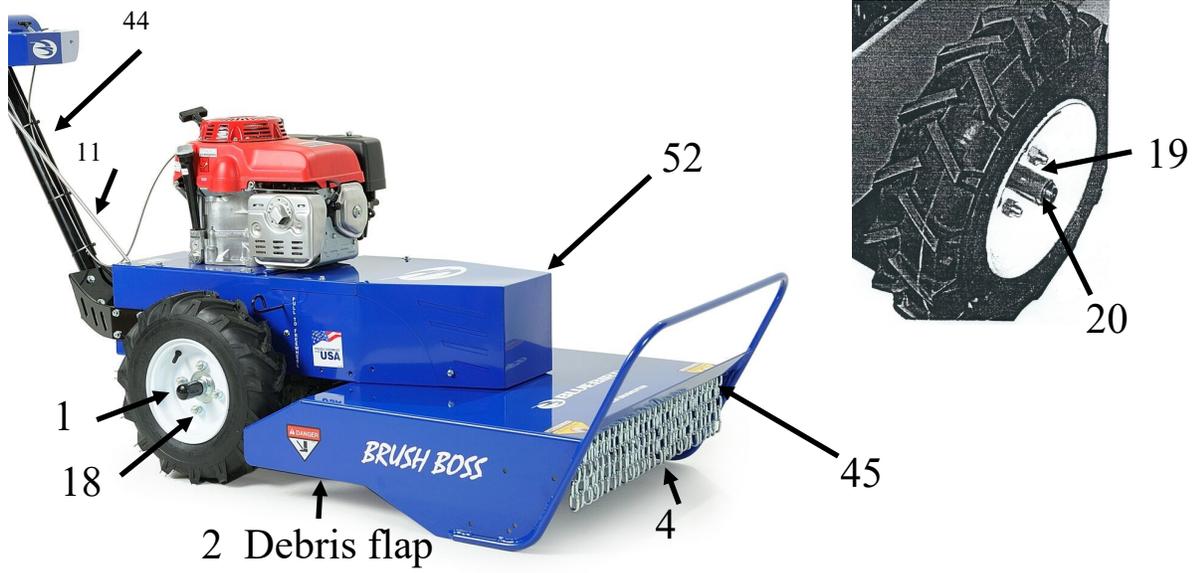
# STORAGE/TRANSPORT

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- 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.
- During transport, fasten the machine properly in place with approved fasteners, such as tension belts, chains or straps. Always check that you are in compliance with applicable traffic regulations before transporting the machine.

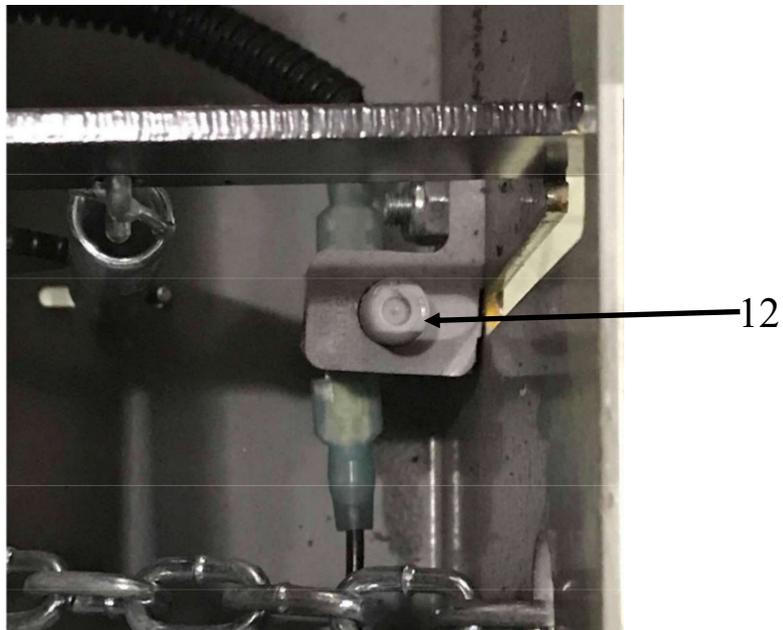
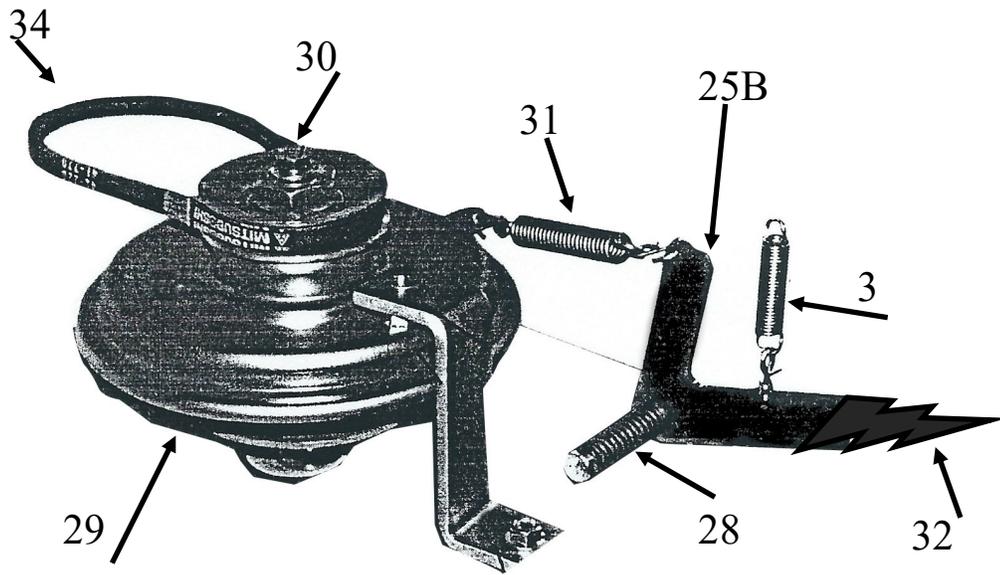


# DECK & CONTROLS



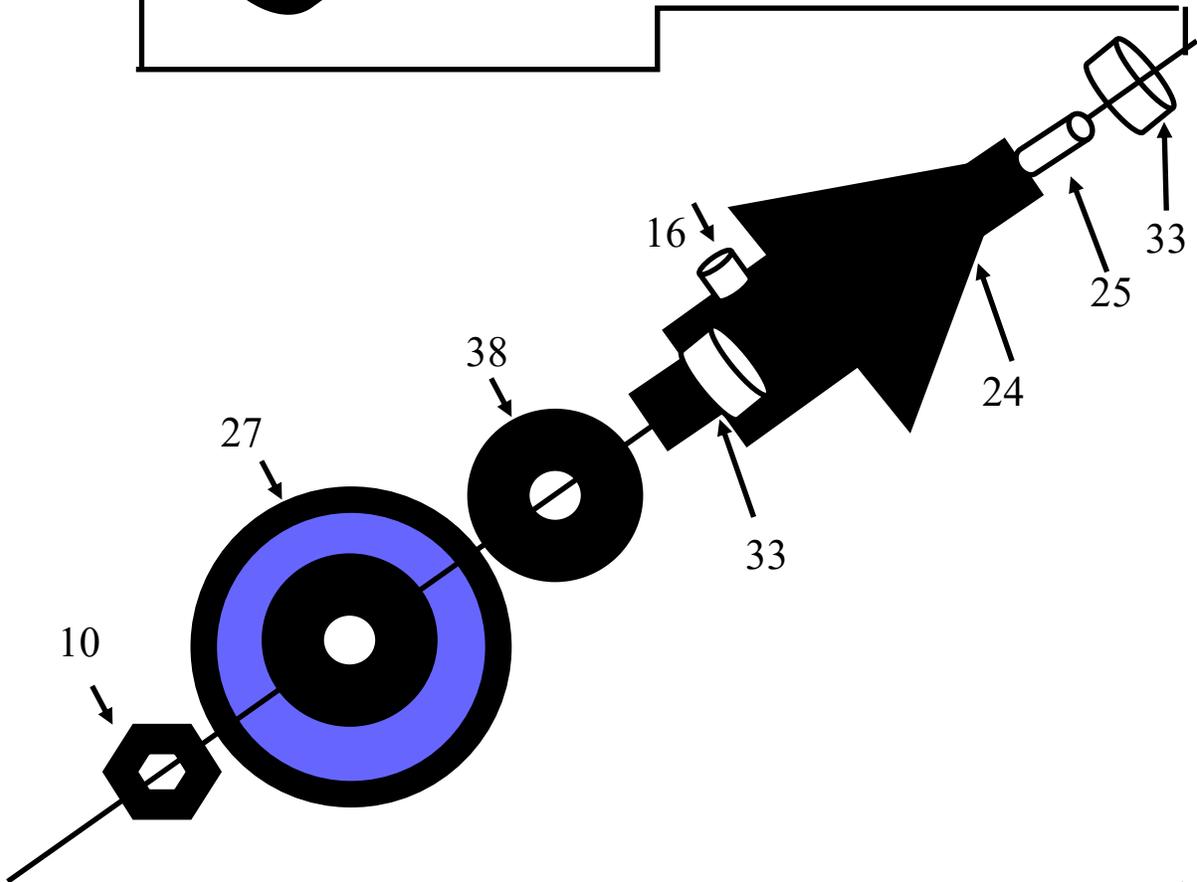
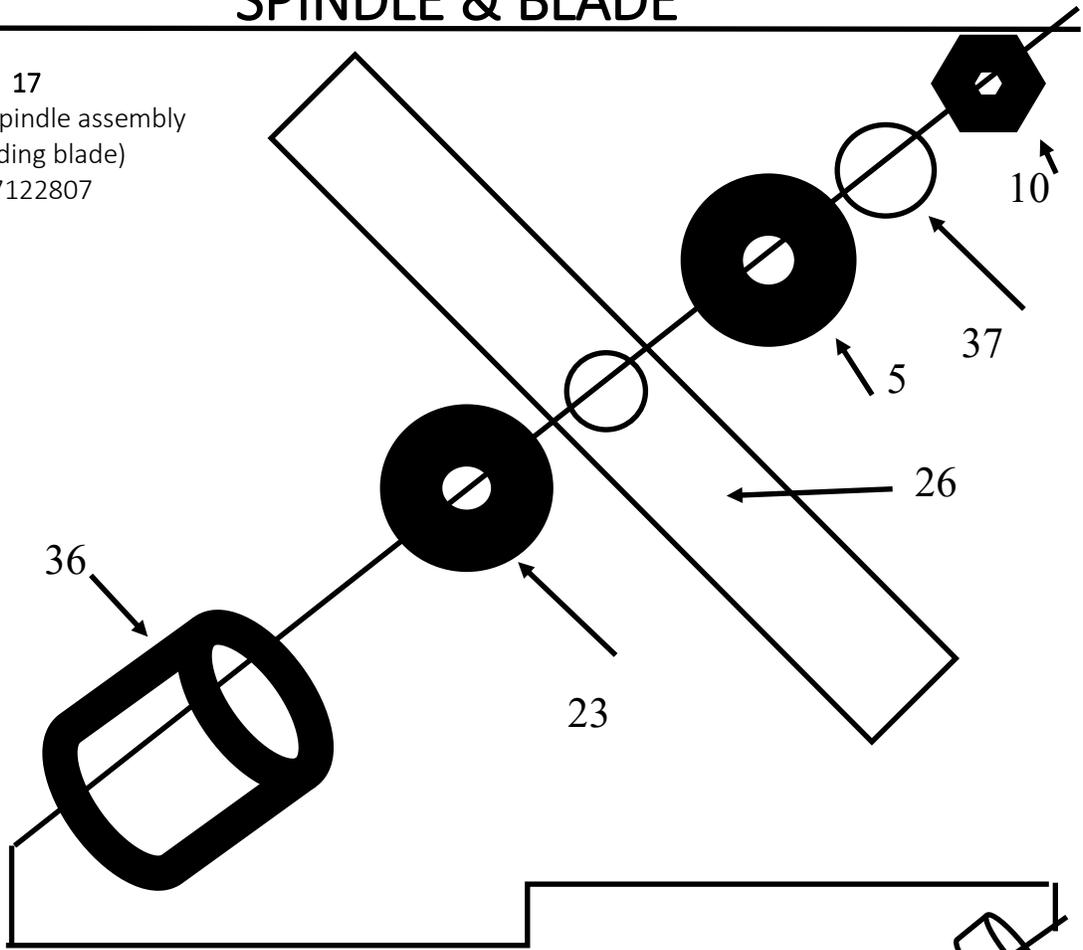
# CLUTCH & SAFETY SWITCH

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# SPINDLE & BLADE

17  
Complete spindle assembly  
(excluding blade)  
577122807



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	Blade spindle assembly (complete)	577122807
18	Rim + Tire 420x8	577122925
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
26	Blade 26 inches	577122263
27	Pulley 8 inch x3/4	577122264

ITEM NUMBER	DESCRIPTION	PART NUMBER
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
51	Engagement handle	577123978
52	Nose Cone	577124029
53	Sensor, Paddle Safety	577-124143

# CE DATA

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Engine Output	11.7 bhp (8.7kW) @3600 rpm
Engine Model	GX390
Tine Speed	2250 rpm
Total Unit Weight	315lbs (143kg)
Max. Operating Slope	15°
Sound Level at Operator's Ears Measurement Uncertainty	90dB(a) 1dB(a)
Vibration Level at Operator's Hand* Measurement Uncertainty	0.72g (7.10m/s <sup>2</sup> ) 0.22g (2.16m/s <sup>2</sup> )

*\*Vibration tests were conducted indoors in accordance with BS EN 13684:2004+A3:2009*

# Declaration of Conformity

**Machinery Directive 2006/42/EU**

**Outdoor Noise Directive 2000/14/EC**

**Electromagnetic Compatibility (EMC) Directive 2014/30/EU**

**Restriction of Hazardous Substances 2011/65/EU and its Amending Directive  
2015/863/EU**

**Manufacturer**

Bluebird Turf Products, LLP  
68 S Squirrel Rd,  
Auburn Hills,  
MI – 48326  
USA

**Authorized Representative**

Comply Express Unipessoal Limitada  
StartUp Madeira  
EV141  
Campus da Penteada,  
9020 105 Funchal  
Portugal

<b>Products</b>	<b>Model Number</b>
Stump Grinder	SG13
Sod Cutter	SC550
Brush Cutter	BB26 Brush Boss
Bed Edger	BB650
Log Splitter	LS34
Towable Aerator	TA10 & TA12

Bluebird Turf Products, LLP, declare in exclusive responsibility that the products listed here meet the essential health and safety requirements of the above-mentioned directives.

Directive	Standards Applied
Machinery Directive 2006/42/EC	<ul style="list-style-type: none"><li>• EN 12100: 2010</li><li>• EN13849-1: 2015</li><li>• EN 13684:2018</li><li>• EN 894-1: 1997</li><li>• EN 953: 1997</li><li>• EN 13857:2008</li><li>• EN 20643:2008</li><li>• ISO 7000: 2004</li></ul>
Outdoor Noise Directive	<ul style="list-style-type: none"><li>• EN 4871: 2009</li></ul>
EMC Directive 2014/30/EU	<ul style="list-style-type: none"><li>• EN 14982: 2009</li></ul>
Restriction of Hazardous Substances 2011/65/EU and its Amending Directive 2015/863/EU	<ul style="list-style-type: none"><li>• EN 63000: 2018</li></ul>

**Sound Levels**

SG13	100 dB(a)
SC550	107 dB(a)
BB26 Brush Boss	90 dB(a)*
BB650	92 dB(a)
LS34	82 dB(a)*
TA10	N/A
TA12	N/A

\* Sound Level at Operator's ears

**Manufacturer's details**

Name: Tony Carmen

Title: CEO

Date: 17<sup>th</sup> November 2021

Signature:

**Authorized Representative details**

Name: Mark Lindsay

Title: Director

Date: 16<sup>th</sup> November 2021

Signature:



# Declaration of Conformity

**Supply of Machinery Regulations 2008 No.1597**

**Noise Emission in the Environment by Equipment for Use Outdoors  
Regulations 2001 Nos.1701 and 3958**

**Electromagnetic Compatibility Regulations 2016 No.1091**

**The Restriction of the Use of Certain Hazardous Substances in Electrical and  
Electronic equipment Regulations 2012 No. 3032**

**Manufacturer**

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USA

**Authorized**

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United Kingdom

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Directive	Standards Applied
Supply of Machinery (Safety) Regulations 2008 No.1597	<ul style="list-style-type: none"> <li>• BS EN 12100: 2010</li> <li>• BS EN13849-1: 2015</li> <li>• BS EN 13684:2018</li> <li>• BS EN 894-1: 1997</li> <li>• BS EN 953: 1997</li> <li>• BS EN 13857:2008</li> <li>• BS EN 20643:2008</li> <li>• ISO 7000: 2004</li> </ul>
Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 No.1701 and its amendment, 3958	BS EN 4871: 2009
Electromagnetic Compatibility Regulations 2016 No.1091	BS EN 14982: 2009
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 No.3032	BS EN 63000: 2018

**Sound Levels**

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\* Sound Level at Operator's ears

**Manufacturer's details**

Name: Tony Carmen

Title: CEO

Date: 17<sup>th</sup> November 2021

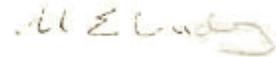
Signature: 

**Authorized Representative details**

Name: Mark Lindsay

Title: Director

Date: 16<sup>th</sup> November 2021

Signature: 



# NOTES

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