



REVOLT FURY

ZERO-TURN MOWER OWNER'S OPERATOR SERVICE MANUAL

For additional information, please see us at

www.badboycountry.com

Disclaimer

This document is based on information available at the time of its publication. While efforts have been made to ensure accuracy, the information contained herein does not purport to cover all details or variations, nor to provide for every possible contingency in connection with installation, operation, or maintenance. Features may be described herein which are not present in all systems. Bad Boy Mowers, LLC assumes no obligation to notify holders of this document of any changes made subsequently.

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Read and Understand



Read and follow all instructions and safety precautions in this manual and all other manuals for products associated with this machine as well as in all on-product warning decals. Failure to do so could result in serious injury or death, or property damage. Contact your Bad Boy Mowers, LLC dealer if any of your manuals are missing or illegible or you have questions.

Preface

This manual is intended for use with the following model.

BRF40EVG

Revision History

Issue	Date	Reasons For Change
Rev A	9/15/2026	Product launch

BASIC INFORMATION	1-1
Machine Information	1-1
Model and Serial Number	1-1
QR Code	1-1
Parts and Service	1-1
Warranty	1-1
Warranty Registration	1-1
Evaporative Emission Control Warranty Statement	1-2
Bad Boy Support	1-2
Specifications	1-2
Torque Specifications	1-3
SAFETY	2-1
Safety Symbols	2-1
Machine Safety Guidelines	2-1
Machine Decals	2-1
Personal Protection Equipment (PPE)	2-2
Hearing Protection	2-2
Eye Protection	2-2
Respiratory Protection	2-2
Foot Protection	2-2
Clothing	2-2
General Operation	2-2
Safety Interlock System	2-3
Fueling	2-3
Slope Operation and Guide	2-4
Children	2-4
Service	2-5
Environmental	2-5
Battery	2-5
Storage Safety	2-5
Transporting	2-6
CONTROLS	3-1
Machine Overview	3-1
Control Panel	3-2
Gas Gauge	3-3
Vertical Nozzle Adjustment	3-3
Ignition Switch	3-3
PRE-OPERATION	4-1
Fuel	4-1
Fuel Shutoff	4-1
Fueling	4-1
Platform Pad	4-1
Control Arm Stop	4-1
Safety Interlock System	4-2
OPERATION	5-1

Starting the Machine	5-1
Operating Machine	5-2
Shutting Down Machine	5-2
Troubleshooting	5-4
Starting / No-Start	5-4
Engine Issues	5-5
Drive and Steering Issues	5-6
Blower Drive Issues	5-6
Electrical Issues	5-7
Excessive Vibration or Unusual Noise	5-7
Storage	5-8
Gear Drive	5-8

MAINTENANCE	6-1
Maintenance Schedule	6-1
Hydrostatic System	6-2
Engine Oil	6-3
Battery	6-3
Cleaning Machine	6-3
Maintenance Log	6-4

SERVICE	7-1
Commonly Used Parts	7-1
Belts and Filters	7-1
Engine Filters and Spark Plug	7-1
Service Schedule	7-2
Hydrostatic System	7-3
Fluid Volume and Level	7-3
Fluid Change Procedure	7-3
Purge Procedure	7-4
Transaxle Bypass	7-4
Pump Belt Tension Adjustment	7-5
Tracking Adjustment	7-5
Engine	7-6
Engine Oil	7-6
Spark Plug	7-7
Air Filter	7-7
Fuel Filter	7-8
Gearbox	7-8
Gearbox Input Belt	7-9
Gearbox Output Belt	7-10
Electrical System	7-11
Fuses	7-11
Relay-Controlled Interlocks	7-11
Starter Signal Solenoid	7-12
Battery	7-12
Wheels	7-13
Front Caster	7-13
Wheel Lugs	7-13

Torque rear wheel lugs (4) to 65 ft-lb (88 N•m). Retorque at every oil change and before each use	7-13
Decals	7-13

TRANSPORTING	8-1
Loading	8-1
Unloading	8-1
Moving Inoperable Machine	8-1

LIMITED WARRANTY	9-1
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Section 1

BASIC INFORMATION

Machine Information

Congratulations on the purchase of your new Bad Boy Fury, engineered and designed for clearing debris, leaves, and other material from parking lots, walkways, and similar surfaces. The purpose of this manual is to assist operators in maintaining and operating the machine. The information and instructions in this manual can help you enjoy many years of performance from your new Bad Boy. Also, check out our website to learn more about the Bad Boy family at www.badboycountry.com.

Model and Serial Number

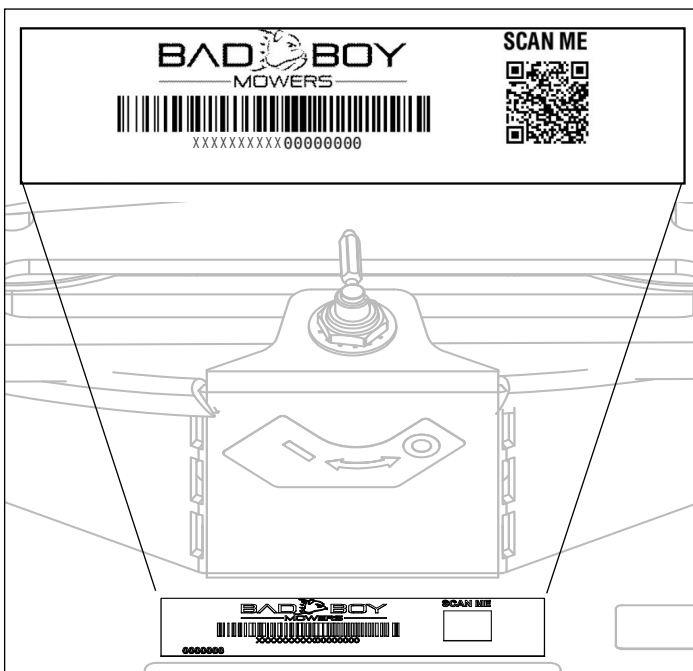


Figure 1: Serial Number Above Fuel Shutoff Valve

Your machine model and serial numbers are printed on the decal located underneath the kneepad, behind the fan housing, and on the bar of the front left tire. The entire alphanumeric code is your serial number. To find your model number, leave the last eight digits off of the serial number. Record the serial number information here to have it ready when ordering parts.

Serial Number: _____

Date of Purchase: _____

Dealer Information: _____

QR Code

Scan the QR code located on your machine's serial number decal using your smartphone camera to access your MyBadBoy owner portal.

Once your machine is registered, your MyBadBoy portal gives you access to the following resources:

- Owner information
- Dealer information
- Operator's manual
- Mr. Know It All — troubleshooting, FAQs, and best practices
- Maintenance information
- Shop Bad Boy

Parts and Service

Bad Boy recommends using genuine Bad Boy replacement parts on your machine. Replacement parts are available through your local Bad Boy dealer or at www.badboycountry.com. When ordering parts, please have your model and serial number ready as recorded above.

Routine operator maintenance such as filter and belt replacement can be performed following the maintenance schedule. For all other service and repairs, contact your authorized Bad Boy dealer.

All warranty repair and service must be handled through your authorized Bad Boy dealer. To locate the nearest dealer, go to www.badboycountry.com and click on "FIND A DEALER."

Warranty

Warranty Registration

The warranty registration must be completed within 30 days of purchase to validate your warranty. As a new equipment owner, it is your responsibility to ensure warranty registration is completed.

Warranty registration should be completed by your selling dealer at the time of delivery. Please confirm registration has been completed with your dealer by scanning your QR code on the serial number decal.

BASIC INFORMATION

The warranty is nontransferable.

Evaporative Emission Control
Warranty Statement

Federal Evaporative Emission Control Warranty: Your Warranty Rights and Obligations, the Environmental Protection Agency (EPA), and Bad Boy Mowers, LLC are pleased to explain the evaporative emission control system's warranty on your 2026 equipment. New equipment that uses spark ignition engines for off-road use must meet stringent anti-smog standards. The evaporative emission control system on your equipment is designed, built, and equipped so it conforms at the time of sale to the ultimate purchaser with the requirements of 40 CFR 1060. The evaporative emission control system is free from defects in materials and workmanship that may keep it from meeting said requirements. Bad Boy Mowers, LLC must warrant the evaporative mission control system on your equipment for 2 years provided there has been no abuse, neglect, or improper maintenance. If an evaporative

emission control system component does fail in a manner that would cause the equipment to no longer meet the requirements of 40 CFR 1060 within the first 2 years, Bad Boy Mowers, LLC will replace the defective component. Your evaporative emission control system may include parts such as fuel tanks, fuel lines, carbon canisters, fuel caps, valves, vapor hoses, clamps, or connectors.

Bad Boy Support

Bad Boy Mowers is committed to keeping you up and running. For technical support, warranty questions, or parts, reach out using the contact information below.

Technical Support	technicalsupport@badboycountry.com
Warranty	warranty@badboycountry.com
Parts	partsdept@badboycountry.com

Specifications

The following specifications are for SKU BRF40EVG

Height	45.5 in
Weight (lbs)	1,231 lbs
Length (in)	82
Width (in)	53
Height (in)	48
Nozzle Range, horizontal	180 degrees
Nozzle Range, vertical	2 in
CFM	7,500
Engine	Vanguard 40HP-EVG

Fuel Capacity	8 gal
Deck Metal Thickness	3/16 in
Front Tire Size	13x6.50-6
Rear Tire Size	23x11-12 Reaper
Front Tire Pressure	N/A
Rear Tire Pressure	12 psi
Battery	ATX12-HD
Transaxle	16cc/18cc
Engine Horsepower	40HP

Torque Specifications

SAE Bolt Torque

Torque estimates based on clamp load (75% of proof strength) as specified in SAE J429 and ASME 574.

Diameter and Thread Pitch	 SAE Grade 5		 SAE Grade 8		 Socket Head Cap Screw	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
1/4-20	101 in•lb 11.4 N•m	76 in•lb 8.6 N•m	143 in•lb 16.2 N•m	107 in•lb 12.1 N•m	168 in•lb 19 N•m	120 in•lb 13.6 N•m
1/4-28	116 in•lb 13.1 N•m	87 in•lb 9.8 N•m	147 in•lb 16.6 N•m	123 in•lb 13.9 N•m	192 in•lb 21.7 N•m	144 in•lb 16.3 N•m
5/16-18	209 in•lb 23.6 N•m	157 in•lb 17.7 N•m	295 in•lb 33.3 N•m	221 in•lb 25 N•m	348 in•lb 39.3 N•m	264 in•lb 29.8 N•m
5/16-24	231 in•lb 26.1 N•m	174 in•lb 19.7 N•m	327 in•lb 36.9 N•m	245 in•lb 27.7 N•m	384 in•lb 43.4 N•m	288 in•lb 32.5 N•m
3/8-16	372 in•lb 42 N•m	276 in•lb 31.2 N•m	44 ft•lb 59.7 N•m	33 ft•lb 44.7 N•m	51 ft•lb 69.1 N•m	38 ft•lb 51.5 N•m
3/8-24	420 in•lb 47.5 N•m	312 in•lb 35.3 N•m	49 ft•lb 66.4 N•m	37 ft•lb 50.2 N•m	58 ft•lb 78.6 N•m	43 ft•lb 58.3 N•m
7/16-14	49 ft•lb 66.4 N•m	37 ft•lb 50.2 N•m	70 ft•lb 94.9 N•m	52 ft•lb 70.5 N•m	81 ft•lb 109.8 N•m	61 ft•lb 82.7 N•m
7/16-20	55 ft•lb 74.6 N•m	41 ft•lb 55.6 N•m	78 ft•lb 105.8 N•m	58 ft•lb 78.6 N•m	91 ft•lb 123.4 N•m	68 ft•lb 92.2 N•m
1/2-13	75 ft•lb 101.7 N•m	57 ft•lb 77.3 N•m	106 ft•lb 143.7 N•m	80 ft•lb 108.5 N•m	124 ft•lb 168.1 N•m	93 ft•lb 126.1 N•m
1/2-20	85 ft•lb 115.2 N•m	64 ft•lb 86.8 N•m	120 ft•lb 162.7 N•m	90 ft•lb 122 N•m	140 ft•lb 189.8 N•m	105 ft•lb 142.4 N•m
5/8-11	150 ft•lb 203.4 N•m	113 ft•lb 153.2 N•m	212 ft•lb 287.4 N•m	159 ft•lb 215.6 N•m	238 ft•lb 322.7 N•m	179 ft•lb 242.7 N•m
5/8-18	170 ft•lb 230.5 N•m	127 ft•lb 172.2 N•m	240 ft•lb 325.4 N•m	180 ft•lb 224 N•m	270 ft•lb 366.1 N•m	202 ft•lb 273.9 N•m
3/4-10	267 ft•lb 362 N•m	200 ft•lb 271.2 N•m	376 ft•lb 509.8 N•m	282 ft•lb 382.3 N•m	423 ft•lb 573.5 N•m	317 ft•lb 429.8 N•m
3/4-16	297 ft•lb 402.7 N•m	223 ft•lb 302.3 N•m	420 ft•lb 569.4 N•m	315 ft•lb 427.1 N•m	472 ft•lb 640 N•m	354 ft•lb 480 N•m
7/8-9	429 ft•lb 581.6 N•m	322 ft•lb 436.6 N•m	606 ft•lb 821.6 N•m	455 ft•lb 616.9 N•m	682 ft•lb 924.7 N•m	511 ft•lb 692.8 N•m
7/8-14	474 ft•lb 642.7 N•m	355 ft•lb 481.3 N•m	669 ft•lb 907 N•m	502 ft•lb 680.6 N•m	752 ft•lb 1019.6 N•m	564 ft•lb 791.8 N•m

Metric Bolt Torque

Torque estimates based on clamp load (75% of proof strength) as specified in ISO-898-1.

Size and Thread Pitch	 Class 8.8		 Class 10.9		 12.9 Socket Head Cap Screw	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
M5 X 0.80	54 in•lb 6.1 N•m	41 in•lb 4.6 N•m	78 in•lb 8.8 N•m	59 in•lb 6.7 N•m	91 in•lb 10.3 N•m	68 in•lb 7.7 N•m
M6 X 1.00	92 in•lb 10.4 N•m	69 in•lb 7.8 N•m	133 in•lb 15 N•m	99 in•lb 11.2 N•m	156 in•lb 17.6 N•m	116 in•lb 13.1 N•m
M7 X 1.00	156 in•lb 17.6 N•m	116 in•lb 13.1 N•m	222 in•lb 25.1 N•m	167 in•lb 18.9 N•m	260 in•lb 29.4 N•m	195 in•lb 22 N•m
M8 X 1.25	225 in•lb 25.4 N•m	169 in•lb 19.1 N•m	333 in•lb 37.6 N•m	242 in•lb 31.3 N•m	377 in•lb 42.6 N•m	284 in•lb 32.1 N•m
M10 X 1.50	37 ft•lb 50.2 N•m	28 ft•lb 38 N•m	53 ft•lb 71.9 N•m	40 ft•lb 54.2 N•m	62 ft•lb 84.1 N•m	47 ft•lb 63.7 N•m
M12 X 1.75	65 ft•lb 88.1 N•m	49 ft•lb 66.4 N•m	93 ft•lb 126.1 N•m	69 ft•lb 93.6 N•m	108 ft•lb 146.4 N•m	81 ft•lb 109.8 N•m
M14 X 2.00	104 ft•lb 141 N•m	78 ft•lb 105.8 N•m	148 ft•lb 200.7 N•m	111 ft•lb 150.5 N•m	173 ft•lb 234.6 N•m	130 ft•lb 176.3 N•m
M16 X 2.00	161 ft•lb 218.3 N•m	121 ft•lb 164.1 N•m	230 ft•lb 311.8 N•m	172 ft•lb 233.2 N•m	269 ft•lb 364.7 N•m	202 ft•lb 273.9 N•m
M18 X 2.50	222 ft•lb 301 N•m	167 ft•lb 226.4 N•m	318 ft•lb 431.2 N•m	238 ft•lb 322.7 N•m	372 ft•lb 504.4 N•m	279 ft•lb 378.3 N•m
M20 X 2.50	314 ft•lb 425.7 N•m	235 ft•lb 318.6 N•m	449 ft•lb 608.8 N•m	337 ft•lb 456.9 N•m	525 ft•lb 711.8 N•m	394 ft•lb 534.2 N•m
M22 X 2.50	428 ft•lb 580.3 N•m	321 ft•lb 435.2 N•m	613 ft•lb 831.1 N•m	460 ft•lb 623.7 N•m	716 ft•lb 970.8 N•m	537 ft•lb 728.1 N•m
M24 X 3.00	543 ft•lb 736.2 N•m	407 ft•lb 551.8 N•m	776 ft•lb 1052.1 N•m	582 ft•lb 789.1 N•m	908 ft•lb 1231.1 N•m	681 ft•lb 923.3 N•m

Section 2

SAFETY

Safety Symbols

Hazard alerts in this manual are used to alert operators, bystanders, and service personnel to hazardous operating and maintenance practices. Each hazard alert contains a hazard-alert symbol and a signal word that identifies the severity of the hazard if the warning is not followed.

The following hazard alerts are used in this manual:



DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE is used to address practices not related to personal injury. Notice signs are typically used for activities that result in property damage.

Machine Safety Guidelines



Untrained people or failure to follow instructions can result in serious injury or death. Read all instructions before operating.

Never allow untrained people or anyone under the age of 16 to operate this machine. It is the owner's responsibility to get training and see to it that anyone who has permission to use your machine receives the proper training.



Flying debris from the blower discharge can cause serious injury or death to bystanders and can damage property. Never operate with missing or damaged housing panels, intake screens, or nozzle components.

Do not operate around people. The blower's nozzle is designed to project debris and airflow at high velocity in the direction it's aimed. Debris can also ricochet off walls, vehicles, or other obstructions and travel back toward the operator or bystanders. Always be aware of nozzle direction before and during operation. Seek additional training when possible to learn more about safety techniques and practices.

Machine Decals

All safety decals on the machine must remain in place, intact, and visible. Make sure to have a good understanding of the decals prior to operating the machine. Become familiar with all decal locations and their purpose.

Decal, Caution Wear Protection

PN 091-9014-00

- Wear hearing, eye, and respiratory protection while operating the machine.



Decal, Warning Crush Hazard

PN 091-9015-00

- Read and understand the manual.
- Always drive the machine forward when unloading down a ramp.
- Never drive the machine backward when loading up a ramp. Improper ramp direction can cause the machine to tip and the operator to fall.
- Keep the engine and pump compartments clean.

- Always drive forward when going down steep inclines.



Decal, PPE Safety
PN 091-9016-00

- Read and understand the manual.
- Install belt cover before operating machine.



Decal, Mower Blower Blades
PN 091-9017-00

- Rotating blower blades and flying material can cause serious injury on contact.
- Keep a safe distance from the machine during operation.
- Read and understand the manual.



Personal Protection Equipment (PPE)

Make sure all personal protective equipment (PPE) is in good working condition before use.

Hearing Protection

Always wear hearing protection, such as earplugs or earmuffs, when operating the machine. Prolonged exposure to loud noise can cause permanent hearing impairment or loss of hearing.

Eye Protection

Always wear safety glasses or goggles when operating or servicing the machine. Flying debris, dust, and other hazards can cause serious eye injury or permanent vision loss.

Respiratory Protection

Always wear a dust mask or respirator when operating the machine in dusty conditions.

Foot Protection

Always wear sturdy, closed-toe footwear with slip-resistant soles when operating or servicing the machine. Never operate the machine while barefoot or wearing sandals, open-toed shoes, or loose footwear. Slip-resistant footwear helps maintain secure footing on the platform.

Clothing

Wear close-fitting clothing when operating or servicing the machine. Loose clothing, drawstrings, or dangling accessories can become entangled in moving parts. Do not wear jewelry while operating or servicing the machine.

General Operation

WARNING

Failure to follow these general safety operation practices below can result in serious injury or death.

- Read, understand, and follow all instructions on the machine and in the manual before starting.
- Only allow responsible adults who are familiar with the instructions to operate this machine. Never allow anyone under the age of 16 to operate this machine.
- Do not operate the machine while under the influence of alcohol or drugs.
- Electronic devices should not be used while operating the machine.
- Always wear eye protection when operating or servicing the machine.
- Always wear adequate ear protection, such as safety earmuffs, while operating the machine.

- Always wear a dust mask or respirator when operating the machine in dusty conditions.
- Never operate the machine with the gear drive shield or guard removed or damaged.
- Never operate the machine with the intake fan guard removed.
- Keep the entire machine free of grass, leaves, or other debris buildup. Failure to do so can affect the safety and functionality of the machine, as well as increase the danger of a fire due to contact with the hot surfaces of the machine.
- Always operate the machine in daylight or with adequate working lights.
- Never carry passengers.
- Do not put hands or feet near rotating parts. Keep clear of the discharge opening at all times.
- Never direct blower toward anyone. Avoid blowing material against a wall or obstruction as material may ricochet back toward the operator.
- Stop the blower when crossing gravel roads.
- Always maintain a safe distance from people and pets just prior to and during operation. Stop the machine if anyone enters the area.
- Do not operate in reverse unless absolutely necessary. Always look down and behind before and while backing up.
- Be alert of surroundings. Watch for curbs, potholes, uneven or cracked pavement, drainage grates, parked vehicles, low-hanging limbs, and other objects that could be potentially hazardous while operating.
- If you strike an object with the machine, shut off the engine, engage the parking brake, and inspect the machine for damage. Repair the machine before resuming operation if necessary.
- If debris is pulled into the intake or strikes the fan, shut off the engine and inspect the impeller and housing for damage before resuming operation.
- Slow down before turning.
- Watch for traffic when operating near or crossing roadways.
- Always disengage the blower, place steering controls in neutral, engage parking brake, and remove ignition key when walking away from the machine. Never leave a running machine unattended.
- Disengage the blower when not operating.
- Shut off engine, allow all moving parts to come to a complete stop, and allow to cool before performing cleaning or inspecting the machine, including the gear drive housing, which can reach high temperatures during operation.
- The loss of hydrostatic drive line power may result in the loss of hydrostatic braking capability.
- Prevent fires by keeping engine and exhaust areas clear of debris. Do not back or park the machine over, or immediately adjacent to, flammable materials.
- Use extra care when loading or unloading the machine onto a trailer or truck.
- Data indicates that operators 60 years of age and above are involved in a large percentage of riding machine related injuries. These operators should periodically evaluate their ability to operate the riding machine safely enough to protect themselves and others from serious injury.

Safety Interlock System

WARNING

Never attempt to bypass, disable, or modify the safety interlock system or any of its components. An incomplete or modified safety interlock system can result in serious injury or death.

The machine is equipped with a safety interlock system (SIS) that prevents unintended starting and shuts off the engine if the operator leaves the operating position while the PTO is on. If any interlock fails to operate as described, do not operate the machine. Contact your authorized Bad Boy Mowers dealer for service.

Test the safety interlock system before every use. [See “Safety Interlock System” on page 2.](#)

Fueling

WARNING

Use extreme care in handling fuel. Fuel is extremely flammable and the vapors are explosive. Failure to follow these warnings could cause serious injury or death.

- Ensure to use the proper fuel for your machine. Do not use fuel containing more than 10% ethanol.
- Use extreme care in handling fuel. Fuel is flammable and the vapors are explosive. Failure to follow these warnings could cause serious injury or death.
- Extinguish all cigarettes, cigars, pipes, and all other sources of ignition.
- Never remove fuel cap or add fuel with the engine running.
- Allow engine to cool for a minimum of 5 minutes (longer on exceptionally hot days >95°F) before refueling.
- Never fuel the machine indoors.

- Remove equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel equipment with a portable container, rather than from a fuel dispenser nozzle.
- Use only an approved fuel container.
- Never fill fuel containers inside a machine or on a truck or trailer bed with a plastic liner. Static electricity can ignite fuel vapors. Always place fuel containers on the ground away from your machine before filling.
- Wipe up all fuel spills with a cloth or rag and dispose of properly.
- Securely replace and tighten the cap once the machine has been refueled.
- Store fuel out of reach of children.
- Store fuel in an approved fuel container and in a well-ventilated area.

Slope Operation and Guide

⚠ WARNING

Operating on slopes can cause instability issues resulting in loss of control and possible rollover. Failure to follow these warnings could cause serious injury or death.

- Avoid operating your machine on slopes with these thresholds
 - 5 degrees transverse (across the slope)
 - 10 degrees uphill
 - 15 degrees downhill

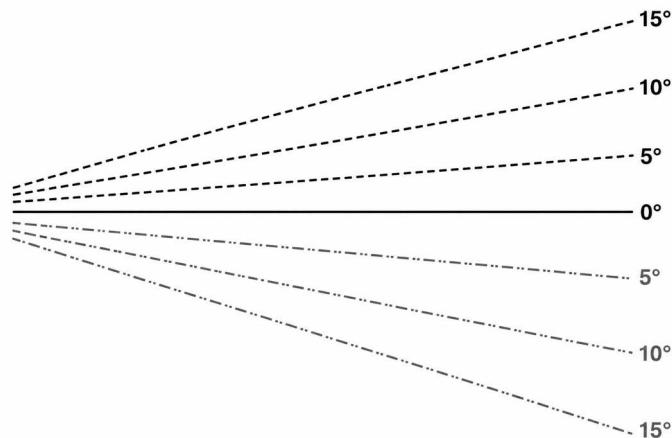


Figure 1 Guide to Determine Slope

To verify the slope, line the 0 degree mark in with a horizontal surface. Sight across the slope. If the slope is beyond the 15 degree line, the slope is too steep to operate safely. Slope can also be calculated using a smartphone

built in level or inclinometer tool. This must be done with the machine powered off.

- Watch for holes, ruts, potholes, curbs, and other hidden objects that leaves or debris piles can obscure. Uneven terrain could overturn the machine.
- Choose a low ground speed when operating on a slope.
- Do not operate on wet or icy surfaces, the tires may lose traction.
- Do not attempt to coast down a slope in the neutral position.
- Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the impeller and proceed slowly straight down the slope.
- Avoid sudden impeller engagement, which can shift weight and affect stability.
- Keep all movement on slopes slow and gradual. Sudden changes in speed or direction could cause the machine to roll over.
- Do not try to stabilize the machine by putting your foot on the ground.
- Do not operate near drop-offs, ditches, or embankments, especially after rain as the drop-off edges can become extremely weak. The machine could suddenly and dangerously rollover if a tire goes over the edge of a drop-off.
- Be aware of what is located at the bottom of slopes. For example: rocks, water, cliffs, and roadways.

Children

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

⚠ WARNING

Never allow children to ride on or operate the machine. Be sure the area is clear of bystanders, pets, and especially children. Failure to follow these warnings could cause serious injury or death.

- Keep children out of the operating area and in the watchful care of a responsible adult other than the operator.
- Maintain alertness and turn machine off if a child enters the area.
- Before and while backing up, look behind and down for small children.
- Use extreme care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

- Never carry children, even when the blower is off. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine. The minimum age to operate this machine is 16 years old. It is the owner's responsibility to ensure that anyone who has permission to use this machine meets this requirement and has received proper training.
- Never leave the key in the ignition, especially around children.

Service

WARNING

Do not run the engine indoors or in an enclosed space where carbon monoxide fumes can collect. Failure to follow these warnings could cause serious injury or death.

- Park the machine on level ground.
- Never allow untrained personnel to service the machine.
- Understand service procedures before doing work.
- Keep all nuts and bolts tight to be sure the equipment is in safe working condition. Never operate a poorly maintained machine.
- Always have the fuel shutoff valve in the OFF position when servicing the machine.
- Disconnect power and lock out/tag out the gear drive before performing any maintenance.
- Never interfere with the intended function of a safety device or reduce the protection provided by a safety device. Check their proper operation regularly.
- Do not touch hot areas of the machine.
- Never make any adjustments or repairs with the engine running.
- Check parking brake operation frequently. Adjust and service the brake as required.
- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure.
- Do not add or change gear drive oil while the machine is running. Damage to the gear drive or injury to personnel may result.
- Some cleaning solvents are flammable. Use only approved cleaning materials: Do not use explosive or flammable liquids to clean the equipment.
- To avoid possible fire, do not use cleaning solvents in an area where a source of ignition may be present.
- Clean up oil or fuel spillage and remove any fuel-soaked debris.

Environmental

- If not disposed of correctly, oils can contaminate and pollute soil, groundwater, streams, and rivers. Used oil and filters can be recycled to aid in the conservation of natural resources and help the environment.
- Adhere to all regulations when disposing of oil, fuel, filters, batteries, used parts, and other potentially harmful items.
- Discard used cleaning material in the appropriate containers according to local, state, and federal regulations.

Battery

WARNING

Failure to follow these safety precautions can cause serious injury, death, or property damage.

- Inspect the battery case regularly for damage, cracks, or swelling. Do not use or charge a battery that shows signs of damage or swelling. Contact your authorized Bad Boy dealer for inspection or replacement.
- Charge only with a lithium-approved battery charger. Never use the machine's charging system to charge a discharged battery.
- Never charge the battery in an enclosed, unventilated space.
- Never lean over the battery while charging or testing.
- Keep the battery away from open flames, sparks, and other ignition sources at all times.
- Do not expose the battery to temperatures outside the manufacturer's specified charging and operating range.
- Inspect battery cable connections regularly. Connections should be tight and free of damage.

Storage Safety

WARNING

Failure to follow these storage safety practices can result in serious injury, death, or property damage.

- Do not park or store the machine near open flame or source of ignition, such as a water heater or furnace.
- Never store the machine with fuel in the tank inside a building where ignition sources are present, such as a garage, shed, or basement. Fuel vapors can travel to an ignition source and cause a fire or explosion.

- Allow the engine to cool completely before storing the machine in any enclosed space. Hot engine and exhaust components can ignite surrounding materials.
- Always engage the parking brake and remove the ignition key before leaving the machine unattended during short-term storage or parking.
- Never leave the ignition key in the machine during storage. Remove the key and store it in a secure location out of reach of children and unauthorized users.
- Store the machine on a flat, stable surface to prevent unintended movement.
- Do not store the machine on a slope.
- Keep the machine and storage area clear of leaves and other debris that can accumulate around hot engine components and create a fire hazard.

LONG TERM STORAGE

- Before storing the machine for an extended period, clean all grass, dirt, and debris from the machine. Accumulated debris can retain moisture and accelerate corrosion, or create a fire hazard when the machine is returned to service.
- Refer to the Maintenance section of this manual for fuel system, battery, and fluid preparation procedures required before long-term storage.

INDOOR VS OUTDOOR STORAGE

- Whenever possible, store the machine indoors in a clean, dry location protected from the elements. Exposure to moisture accelerates corrosion of mechanical and electrical components.
- If outdoor storage is necessary, cover the machine with a breathable, weatherproof cover to protect it from moisture and debris. Do not use a non-breathable cover, as trapped moisture can accelerate corrosion.
- Do not store the machine where water can pool around or beneath it.

GEAR DRIVE

- Always follow the gear drive storing procedures in “Storage” on page 8.

Transporting

WARNING

Loading or unloading a machine greatly increases the chance of the machine losing control and tipping over.

Failure to follow these warnings could cause serious injury or death.

CAUTION

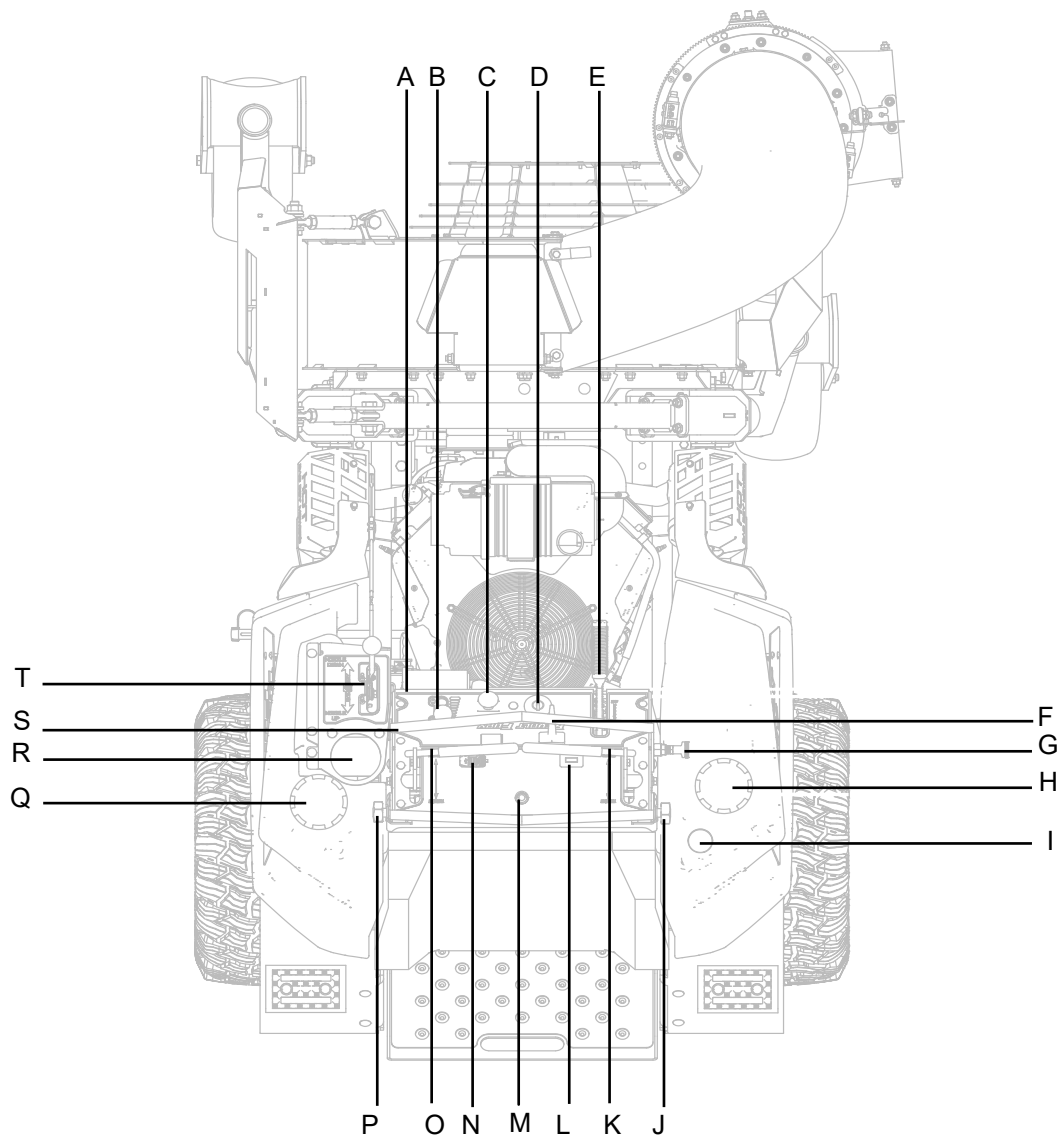
Improper preparation before loading can result in loss of machine control or damage. Failure to follow these cautions could cause injury or equipment damage.

- Never engage the blower while loading or unloading the machine.
- Always load the machine with the nozzle fully lifted.
- Always drive the machine forward when unloading down a ramp. Never drive the machine backward when loading up a ramp.
- Never use individual ramps to load or unload the machine. Always use a full-width ramp or trailer gate.
- Never tow the machine onto a trailer. Always use a winch to load the machine for transporting.
- Never accelerate or decelerate suddenly while loading or unloading the machine on a trailer.
- Always ensure the mode of transportation is suitable to bear the weight of the machine.
- Always use straps rated at a minimum of 1.5 times the weight of the machine when securing the machine for transport.
- Always engage the parking brake before loading or unloading the machine.
- Always rotate the fuel shutoff valve to the OFF position when transporting the machine.
- In wet conditions, tires may spin during loading or unloading. Wait for dry conditions before loading or unloading if necessary.
- Always allow the engine and exhaust to cool completely before parking the machine inside an enclosed space.

Section 3

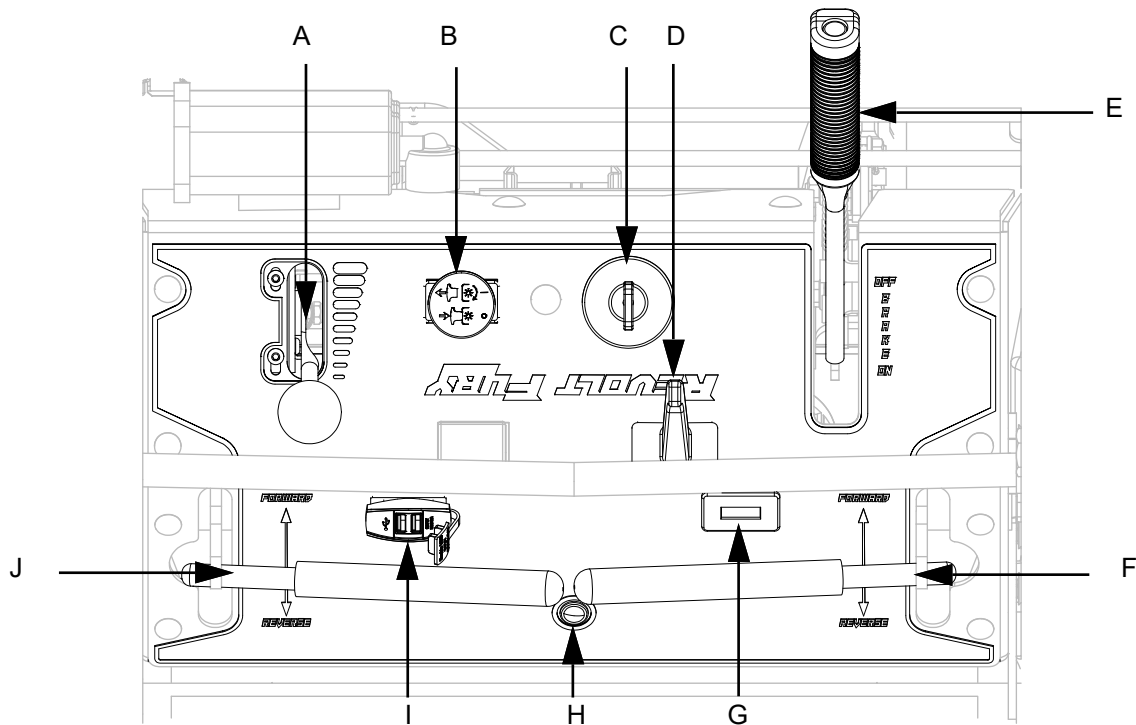
CONTROLS

Machine Overview



- | | |
|-----------------------------------|----------------------------------|
| A Oil Dip Stick | K Control Arm, Right |
| B Throttle | L USB Port |
| C PTO | M MIL |
| D Ignition | N Tachometer |
| E Parking Brake | O Control Arm, Left |
| F Nozzle Adjustment, Horizontal | P Knee Pad Adjustable Knob, Left |
| G Rest Arm Adjustment | Q Fuel Tank, Left |
| H Fuel Tank, Right | R Cup Holder |
| I Fuel Gauge | S Rest Bar |
| J Knee Pad Adjustable Knob, Right | T Nozzle Adjustment, Vertical |

Control Panel



Throttle

Controls engine speed. Move the lever

- A towards the front of the machine to increase engine rpm, towards the rear of the machine to decrease engine rpm.

PTO

- B Provides power to the blower. Pull up on the knob to engage the blower. Push the knob down to disengage the blower.

Ignition

- C Four positions include OFF, LIGHTS, RUN and START.

Nozzle Adjustment

- D The nozzle adjustment lever moves left and right to adjust the nozzle and direction of air 180 degrees.

Parking Brake

- E Engages the parking brake. Pull the lever up to engage. Push the lever down to disengage.

Control Arm, Right

- F Controls forward and reverse movement of the right side of the machine. Neutral is the resting position.

Hour Meter/Tachometer

- G A dual-function display that shows current engine RPM during operation and tracks cumulative engine run time, in increments up to 9,999.9 total hours.

MIL Light

- H Malfunction indicator light indicates when there is a malfunction in the electronic fuel injection system and requires immediate attention. Available on EFI models only.

USB Port

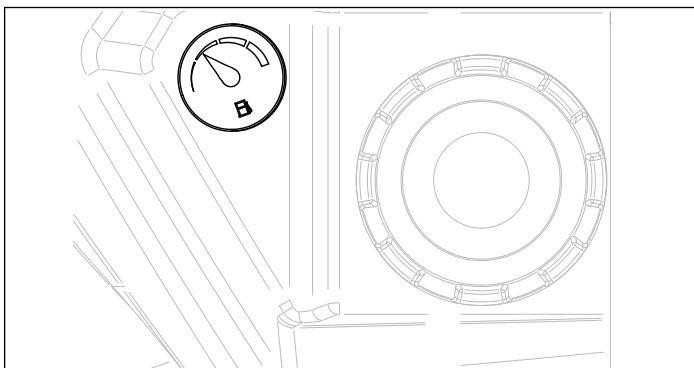
- I Allows for digital devices to be charged while in operation.

Control Arm, Left

- J Controls forward and reverse movement of the left side of the machine. Neutral is the resting position.

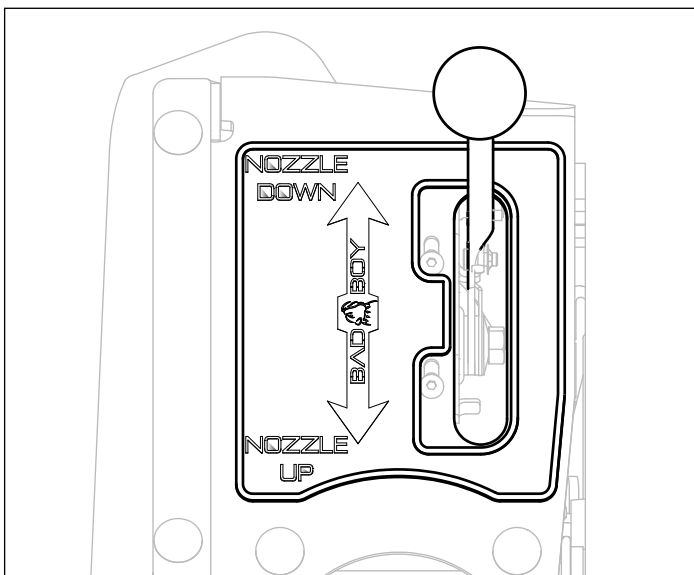
Gas Gauge

The machine can hold up to 8 gallons of gas for operation. It is located on the right side of the machine by the fuel tank.



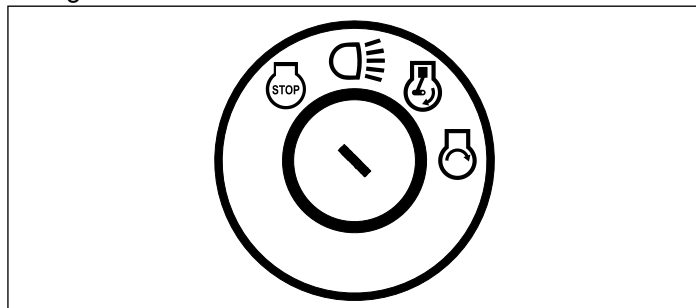
Vertical Nozzle Adjustment

The nozzle adjustment lever allows you to change the direction of the nozzle vertically by 2 inches. Move the lever towards the front of the machine to tilt the nozzle down, towards the back of the machine to tilt the nozzle up.



Ignition Switch

The ignition switch has four states



OFF



All electrical circuits are de-energized. The engine cannot start or run in this position. Key can be inserted or removed only in OFF.

LIGHTS



Powers accessory circuits (such as work lights) without energizing the ignition system — used when the engine is off but lighting or accessories are needed.

RUN



Ignition and charging circuits are powered, allowing the engine to run. This is the operating position for normal machine use.

START



Spring-loaded, momentary position that engages the starter motor to crank the engine. Releasing the key returns the switch to RUN.

Section 4

PRE-OPERATION

Fuel

Use fresh, clean fuel with an octane rating of 87 or higher. Only fuels with an ethanol content of 10% or less are approved for use. Use of fuel with an ethanol content greater than 10%, including E-15, can result in premature engine failure and will void the warranty.

Fuel Shutoff

The fuel shutoff valve controls fuel flow from the tank to the engine. Closing the valve when the engine is not in use prevents fuel from reaching the engine, reducing the risk of fire or fuel leak. Always close the fuel shutoff valve after each use and before performing service, storage, or transport.

⚠ CAUTION

Failure to close the fuel shutoff valve when the engine is not in use can result in fuel leaks and fire hazard.

1. Locate the fuel shutoff valve (1).

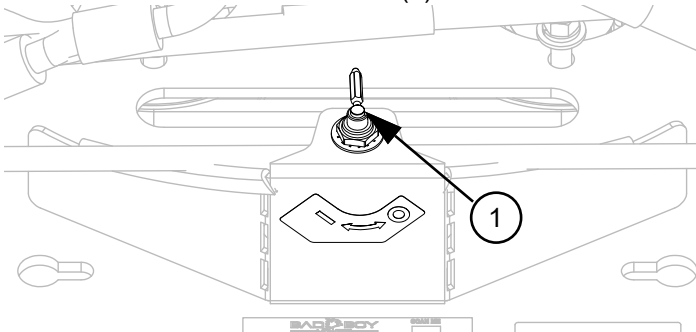


Figure 1: Fuel Shutoff Valve

2. Rotate the valve clockwise to the open (ON) position or counterclockwise to the closed (OFF) position.

Fueling

⚠ WARNING

Improper fuel handling can cause an explosion or fire. Failure to follow these warnings could cause serious injury or death.

- Always handle fuel with care.
- Stop the engine and allow to cool before fueling.
- Add fuel outdoors or in a well-ventilated area.

- Do not allow smoking, open flames, or sparks near the area when fueling.
- Do not overfill the fuel tank.
- Use a funnel if necessary to avoid spills.
- If fuel is spilled on clothing or skin, wash off immediately with soap and water.
- Do not start engine if fuel is spilled.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Allow the engine to cool before adding fuel.
4. Remove the fuel cap by rotating it counterclockwise.
5. Begin filling.
6. Stop fueling when the fuel level reaches the bottom of the filler neck.
7. Install the fuel cap and rotate it clockwise until tight.
8. Repeat for the second tank.

Platform Pad

The platform pad can be repositioned up or down to accommodate different operator heights and standing preferences.

1. Loosen the retainers on both sides by a 1/2 turn.
2. Pivot the pad and pad plate up to expose the four 5/16-18 x 1 in. bolts.
3. Loosen the bolts securing the platform pad to the pad plate.
4. Reposition the platform pad up or down to the desired height.
5. Tighten each bolt to 209 in-lbs to secure the platform pad in the new position.
6. Pivot the pad and pad plate back down into the operating position.

Control Arm Stop

The control arm stop limits the forward travel of the control arms, which affects both maximum speed and operator standing position. Three adjustment positions are available to accommodate different operator preferences.

1. Locate the control arm stop plunger on the right side of the podium.
2. Pull the plunger outward and hold it to disengage it from the current hole position.
3. Reposition the control arm stop to hole position 1, 2, or 3 to achieve the desired standing position.

- 4. Release the plunger and confirm it is fully seated in the selected hole.

Safety Interlock System



Do not tamper with or bypass the safety interlocks. Failure to follow this warning could cause serious injury or death.

The machine is equipped with a safety interlock system (SIS) that must be tested before every use. The SIS prevents the engine from starting unless specific operating conditions are met. After the machine starts successfully, a separate test verifies that the engine shuts off when the operator leaves the operating position after the PTO is ON. If any one of the safety interlocks do not function as described, do not operate the machine. Contact your authorized Bad Boy Mowers dealer for service.

Parking Brake — The machine will not start unless the parking brake is engaged.

Control Arms — The machine will not start unless the control arms are in the neutral position. Neutral position is the place the control arms return to.

PTO Switch — The machine will not start unless the PTO switch is in the OFF position.

Operator Presence — The engine will shut off if the operator leaves the operating position after the PTO is ON.

Test 1

Parking Brake	 Disengaged	FAIL
Control Arms	Neutral	
PTO	 OFF	

Test 2

Parking Brake	 Engaged	FAIL
Control Arms	Forward or Reverse	
PTO	 OFF	

Test 3

Parking Brake	 Engaged	FAIL
Control Arms	Neutral	
PTO	 ON	

Operator Presence Test

- 1. Stand in the operator position on the mower.
- 2. Start the engine using the starting conditions.


Parking Brake Engaged

Control Arms Neutral


PTO Off

- 3. Engage the PTO to ON.
- 4. Slowly step off from the operating position. The engine should stop.

If the engine does not stop, do not operate the machine. Contact your authorized Bad Boy Mowers dealer for service.

Section 5

OPERATION

⚠ WARNING

Failure to follow the operating instructions in this manual and the safety instructions in the Safety chapter can result in serious injury or death. Read General Operation Safety in the Safety chapter before operating the machine.

Starting the Machine

Take time to become familiar with the location and function of all controls before operating. Start at reduced speed until comfortable with how the machine responds.

This machine allows the operator to walk behind it with the PTO disengaged. All controls remain usable in this mode, except the PTO, which may only be engaged while standing on the operating platform. Never attempt to engage the PTO while walking behind the machine.

1. Confirm the area around the machine is free of bystanders, pets, and obstructions.
2. Turn the fuel shutoff valve to ON.

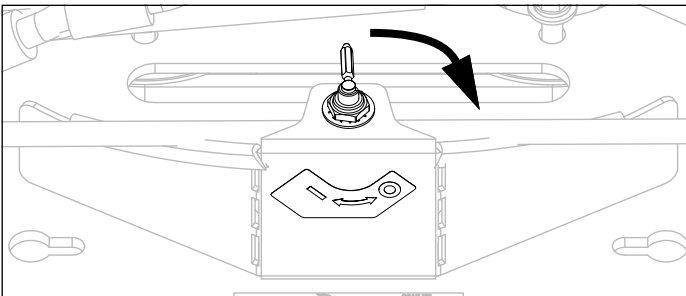


Figure 1: Fuel Shutoff Valve On

3. Set the parking brake by pulling back towards the operator position.

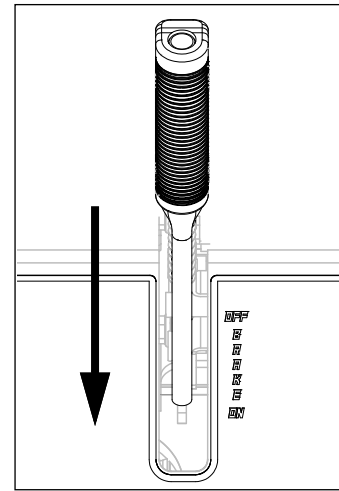


Figure 2: Set Parking Brake

4. Move the control arms to the neutral position to release the neutral lock.

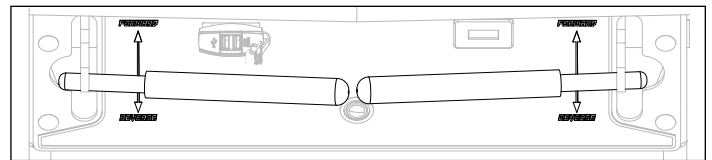


Figure 3: Neutral Position

5. Confirm the PTO switch is in the OFF position.
6. Set the throttle between the half and full throttle positions.

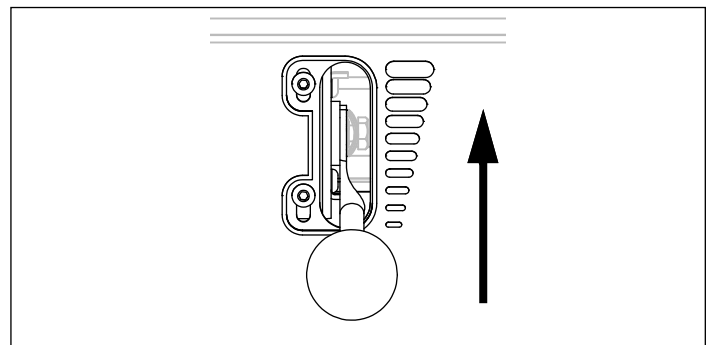


Figure 4: Throttle Half Way

7. Turn the key to the start position (1) and hold until the engine starts, then release.

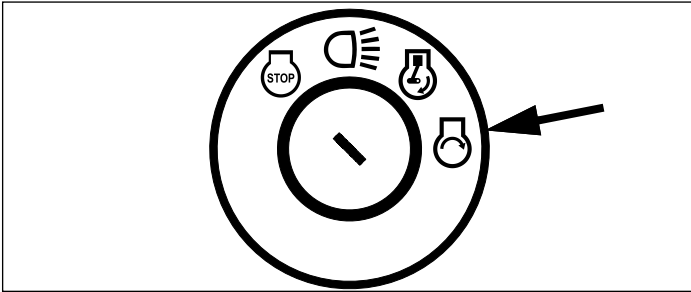


Figure 5: Ignition Switch - Start Position

8. Increase the throttle to the fast position.

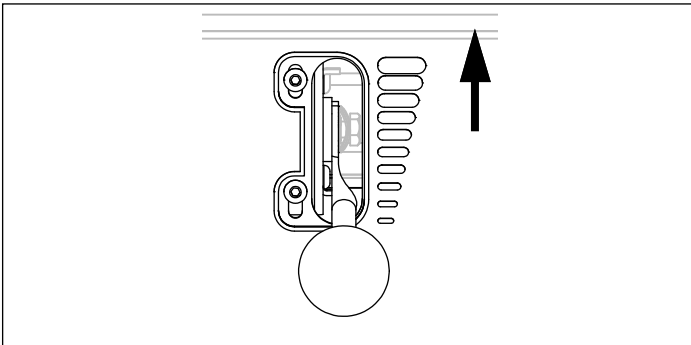


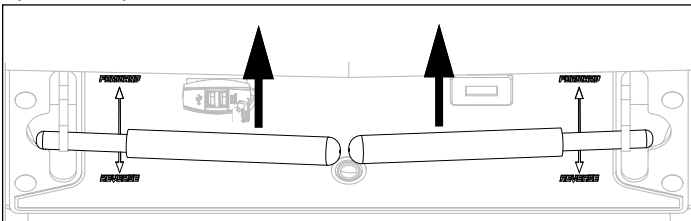
Figure 6: Engage Throttle to Full Position

9. Release the parking brake by quickly pulling up on the parking brake lever then release it down.
10. Stand on the platform to engage the PTO by pulling up on the PTO knob.

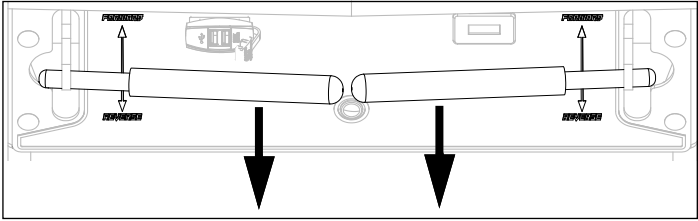
Operating Machine

The machine will move in forward, backward, right and left when the controls arms are in the following positions. Neutral is the place the control arms will return to.

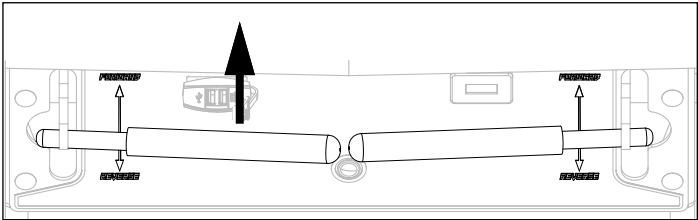
Forward - Push both control arms forward away from the operators position.



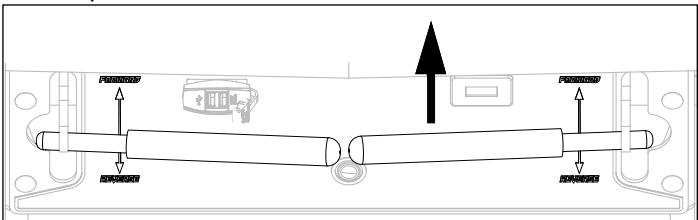
Backward - Pull both control arms backwards towards the operator position.



Right - Push the left control arm forward away from the operator position while leaving the right control arm in a central position.



Left - Push the right control arm forward away from the operator position while leaving the left control arm in a central position.



Shutting Down Machine

Follow these procedures to properly shut down the machine after operation.

1. Stop the machine on a flat, firm, and level surface.
2. Push down on the PTO knob to disengage the blower.
3. Engage the parking brake by pulling up on the parking brake lever.

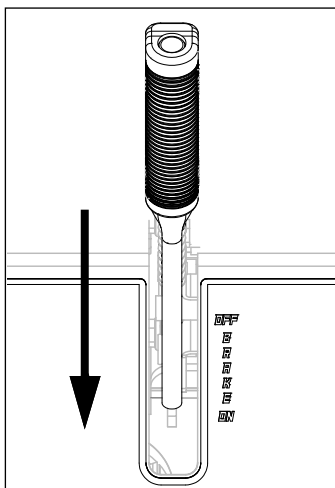


Figure 7: Setting the Parking Brake

4. Turn the ignition switch to the OFF position.

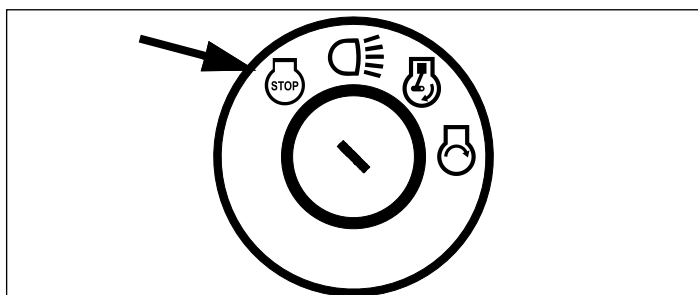


Figure 8: Ignition Switch OFF

5. Remove the key from the ignition switch.
6. Rotate the fuel shutoff valve to the OFF position.

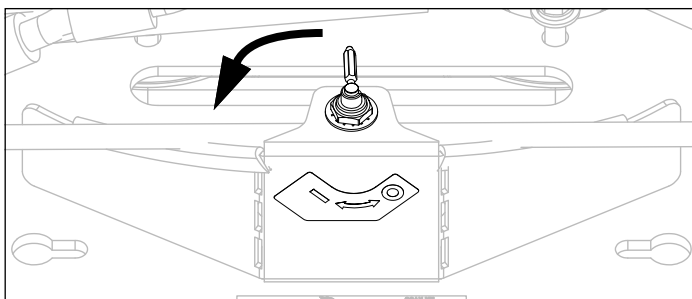


Figure 9: Fuel Shutoff Valve to OFF

Troubleshooting

Starting / No-Start

Problem	Cause	Solution
Machine will not start	Battery discharged or corroded terminals	Charge battery. Clean and tighten terminal connections. Replace battery if it will not hold a charge.
	Fuel tank empty or fuel older than 30 days	Fill tank with fresh fuel. Do not use fuel containing more than 10% ethanol. Drain and replace fuel that is older than 30 days or shows signs of contamination or water.
	Spark plug fouled, damaged, or wire disconnected	Inspect spark plug condition. Replace if fouled or electrode is worn. Ensure spark plug wire is firmly seated on the plug terminal.
	Air filter dirty or clogged	Inspect air filter element. Clean or replace as needed. A restricted air filter reduces airflow and prevents starting. See the Maintenance and Service chapters for air filter service intervals.
	Main fuse blown	Check the 25-amp main fuse. Replace with a fuse of the same amperage only. Do not substitute a higher-rated fuse. Locate and correct the underlying cause before returning the machine to service.
	Damaged wiring or bare/loose connections	Visually inspect all visible wiring and connectors for damage, corrosion, or loose connections. Do not operate the machine with damaged wiring. Contact your authorized Bad Boy dealer for electrical diagnosis.
	Fuel shutoff valve in OFF position	Turn the fuel shutoff valve to the ON position before starting.

Engine Issues

Problem	Cause	Solution
Engine runs rough or surges	Stale or contaminated fuel	Drain fuel system and refill with fresh fuel. Do not use fuel older than 30 days or fuel containing more than 10% ethanol.
	Dirty or clogged air filter	Inspect and clean or replace the air filter element. See the Maintenance chapter for air filter service intervals.
	Spark plug fouled or worn	Inspect and replace spark plug as needed.
	EFI Malfunction Indicator Light (MIL) illuminated	Do not continue operating. The MIL indicates a fault in the electronic fuel injection system. Contact your authorized Bad Boy dealer for diagnosis.
Engine overheats or shuts off under load	Cooling fins or air intake screen obstructed	Stop the engine and allow to cool. Inspect and clean all cooling fins and air intake screens. Remove accumulated grass, debris, or dirt.
	Engine oil level low	Check oil level on a level surface with the engine off. Add oil as needed. Do not overfill.
	Operating in conditions that exceed the machine's rated capacity	Reduce ground speed to reduce engine load. Ensure the engine is operating at full throttle during operation.
Engine shuts off unexpectedly during operation	Operator presence switch activated	The machine is equipped with an operator presence system. Remain on the platform during operation.
	Fuel tank empty	Refuel the machine. Check fuel level before each use.
	Low oil pressure shutdown	Allow engine to cool. Check oil level and add oil as needed. Do not restart until oil level is correct. If the engine shuts down repeatedly for low oil pressure, contact your authorized Bad Boy dealer.

Drive and Steering Issues

Problem	Cause	Solution
Machine pulls or drifts to one side	Drive tracking out of adjustment	Perform a tracking adjustment. See the Service section.
	Tire pressure uneven between left and right sides	Check and equalize tire pressure on both drive tires.
Machine will not move in forward or reverse	Parking brake engaged	Disengage the parking brake before attempting to drive.
	Neutral bypass engaged for towing	Disengage the neutral bypass valve(s) before operating under power.
	Hydrostatic drive system low on fluid	Check hydraulic fluid level. Add fluid as needed using only the fluid type specified in the Service section.
	Pump belt broken or off pulleys	Inspect the pump belt for breakage or displacement. Contact your authorized Bad Boy dealer for assistance.
Control arms not returning to neutral properly	Control arms linkage out of adjustment	Inspect control arm linkage for proper adjustment.

Blower Drive Issues

Problem	Cause	Solution
PTO engages but blower does not turn, or airflow is weak	Gearbox input or output belt broken or off pulleys	Inspect both belts. Replace as a matched pair if either belt shows wear or damage.
	Belt tension incorrect	Check belt tension using a belt tension gauge. Adjust to 45 lbs (21 kg). See Tension Adjustment procedure.
	Gear drive oil level low, or internal gear/bearing failure	Check gear drive oil level. If oil level is correct and the problem persists, contact your authorized Bad Boy dealer.

Electrical Issues

Problem	Cause	Solution
Battery drains quickly or will not hold a charge	Battery at end of service life	Contact your authorized Bad Boy dealer to test the battery. Replace if necessary. See Battery Safety for battery handling precautions.
	Battery terminals corroded	Clean battery terminals and cable ends. Apply terminal protector spray after cleaning.
	Machine stored for extended period without battery maintenance	Check the battery and recharge as necessary using a lithium-approved charger before returning the machine to service.
No electrical power; dash/display does not illuminate	Main fuse blown	Check the 25-amp main fuse. Replace with a fuse of the same amperage only. If the fuse blows again immediately, contact your authorized Bad Boy dealer for electrical diagnosis.
	Battery cable loose or disconnected	Inspect battery cable connections. Ensure both positive and negative cables are tight and corrosion-free.
EFI Malfunction Indicator Light (MIL) illuminated	Fault detected in the electronic fuel injection system	Do not continue operating. Contact your authorized Bad Boy dealer for diagnosis. Do not attempt to clear or ignore fault codes; operating with an active fault code may result in engine damage.
Hour meter or display not functioning	Loose connector or blown fuse	

Excessive Vibration or Unusual Noise

Problem	Cause	Solution
Unusual noise during operation	Hydrostatic drive making grinding or whining noise	Check hydraulic fluid level. If the noise persists after confirming fluid level is correct, contact your authorized Bad Boy dealer.
	Engine making unusual noise	Stop the machine and allow to cool. Check oil level. Do not restart if oil level is correct and the noise persists. Contact your authorized Bad Boy dealer for engine diagnosis.

Problem	Cause	Solution
Gearbox making grinding or whining noise	Low oil level	Check and correct oil level. See Service section.
	Failing bearings or gears	Contact your authorized Bad Boy dealer for gearbox inspection.
Gearbox oil leaking	Failing seals	Contact your authorized Bad Boy dealer for service.
	Loose or damaged drain/fill plug	Inspect and tighten plug. Replace if damaged.
Excessive vibration near gearbox or blower housing	Loose gearbox mounting bolts or couplers	Inspect and tighten. See Maintenance chapter for inspection interval.
	Belt tension too loose or too tight	Check and adjust belt tension. See Tension Adjustment procedure.
	Impeller damage or imbalance	Contact your authorized Bad Boy dealer for inspection.

Storage

⚠ WARNING

Gasoline is extremely flammable and can be explosive under certain conditions. Drain fuel before storing the machine for extended periods. Drain fuel in a well-ventilated area away from any source of flame or sparks, including appliances with a pilot light. Store fuel in an approved container in a safe location. Failure to follow this warning could result in serious injury or death.

⚠ WARNING

Gasoline is a toxic substance. Dispose of gasoline properly. Contact your local authorities for approved disposal methods.

NOTICE

Change the engine oil before returning the machine to service after a period of storage. For more information, see “Engine Oil” on page 6.

The machine should be stored in a dry, protected location to prevent weather related damage. Perform the following before storing the machine for 30 days or longer:

1. Add fuel stabilizer to the fuel tanks and run the engine for 5 minutes.
2. Drain the fuel tank completely. Refer to the engine manufacturer's manual for the location and procedure for draining fuel from the carburetor.
3. After draining the fuel tanks, run the engine at low idle until it stalls.
4. Clean the entire machine, including the blower and engine compartment.
5. Remove the spark plugs and pour approximately 1–2 mL (1/2 teaspoon) of engine oil into each spark plug hole. Turn the engine over a few times, then slowly turn it until you feel compression and leave it in that position. This seals air inside the cylinder and helps prevent internal rust.
6. Install the spark plugs.
7. Wipe down the machine with an oily cloth.
8. Remove the battery. Store in a cool, dry place above freezing temperatures.

Gear Drive

- Fill completely with oil.

- Apply a rust preventive to the externally exposed shafts.
- Store the gear drive in a temperature and humidity controlled area. Periodically rotate the shafts by hand if in storage for more than 60 days.

Section 6

MAINTENANCE

Maintenance Schedule

WARNING

Machine maintenance must be done at regular intervals. Failure to do so will result in excessively worn parts and early failures. Use the maintenance intervals as a guide for correct maintenance of the machine.

NOTICE

Maintenance should be performed when the machine is on a flat, firm, and level surface with the parking brake engaged, engine shut off, ignition key removed, and the fuel shutoff valve OFF.

Refer to the legend below to locate detailed instructions for each maintenance item.

X = No dedicated instructions, self-explanatory check

M = Maintenance chapter

S = Service chapter

O = Engine manual

Maintenance	Every Use	Weekly	Monthly
Check and add engine oil	M		
Check the engine for oil leaks	X		
Check all belts for proper alignment	X		
Check wheel condition and lug nuts	M		
Check for fuel leaks	X		
Check air filter	O		
Check for gear drive oil leaks	X		
Check gear drive for unusual sounds	X		
Check for worn or missing safety decals	X		
Check all guards, shields, chutes, and hardware	X		
Check control lever arms	X		
Check for debris on the fan and engine compartment	X		

MAINTENANCE

Maintenance	Every Use	Weekly	Monthly
Check battery terminal connections	M		
Check Safety Interlock System	M		
Check operator presence control	M		
Check hydrostatic system for leaks	X		
Check for loose nuts and bolts	X		
Check muffler and exhaust system	X		
Clean the machine	X		
Inspect gear drive shafts for end play		X	
Inspect gear drive mounting bolts and couplers for tightness			X
Inspect gear drive belt tension			X
Verify the machine travels straight on a flat, level surface			S
Inspect the machine drive belt, idler pulley(s), and idler spring(s)			X
Inspect the machine control linkage to the directional control arm on the transaxle			X
Ensure that the control arm is securely fastened to the trunnion arm of the transaxle.			X
Inspect the bypass mechanism on the transaxle and the machine linkage to ensure that both actuate and release fully			X
Check the hydrostatic system oil level			X
Check transaxle for leaks			X

Hydrostatic System

WARNING

Never service or maintain machine with engine running. Failure to follow this warning could cause serious injury or death.

WARNING

Moving belts and parts can cause serious injury. Never inspect or service machine while engine is running or with protective guards removed. Failure to follow this warning could cause serious injury or death.

Regular maintenance of the hydrostatic system should include:

- Ensure the current application does not exceed the machine load rating.
- Check oil level. More information can be found in Service - Hydrostatic System.
- Inspect the machine drive belt, idler pulley(s), and idler spring(s). Ensure that no belt slippage can occur. Slippage can cause low input speed to the hydraulic motor.
- Inspect the machine control linkage to the directional control arm on the machine's pump assembly.
- Inspect the hydraulic motor and pump for debris. Keeping the area debris free is important in the overall performance.
- Inspect all external plumbing for possible leaks or loose fittings. An air leak may be difficult to detect on the "suction side" or inlet line to the pump.

damage or swelling. Contact your authorized Bad Boy dealer for replacement.

- Inspect battery cable connections. Connections should be tight and free of damage.
- Charge only with a lithium-approved battery charger. Never use the machine's charging system to charge a discharged battery.

Cleaning Machine

It is recommended that you use an air hose or blower to remove dust and debris from the machine, to ensure there is not a buildup of grass, leaves, and other debris on the blower assembly and engine compartment, which could become a fire hazard. If you must wash the machine, ensure that you run the engine to operating temp to dry water and engage the blades to spin off any standing water on the pulleys. Avoid spraying water onto electrical components and bearings to prevent premature failure of these parts.

Keep the gear drive shafts and vent plug free of dirt and debris to prevent foreign particles from entering the seals or housing.

Engine Oil

Check the engine oil with every use before starting the engine. Otherwise shortage of the engine oil may cause serious damage to the engine such as seizure.

Bad Boy recommends using a 10W-30 Bad Boy synthetic blend.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Remove the dipstick (1). Remove oil from the dipstick with a clean cloth.
4. Remove the engine oil fill cap (2) and slowly add new 10W-30 synthetic blend engine oil.
5. Wait one minute then check the oil level.
6. Install and tighten the dipstick (1).
7. Remove the dipstick and check the oil level. The correct oil level is at the top of the full indicator on the dipstick.
8. Install and tighten the dipstick.
9. Turn the fuel shutoff valve to the ON position.
10. Start the engine and wait until the engine is warm to check for oil leaks.

Battery

WARNING

Failure to follow these precautions could result in serious injury, death, or property damage.

- Inspect the battery case for damage, cracks, or swelling. Do not use a battery that shows signs of

Maintenance Log

Date:	Hours:	Performed:
Date:	Hours:	Performed:
Date:	Hours:	Performed
Date:	Hours:	Performed
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Date:	Hours:	Performed
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Commonly Used Parts

This section lists part numbers for items most frequently replaced during routine maintenance.

Belts and Filters

Item	Part Number
Hydraulic Filter	063-8014-00
Gearbox Input Belt	041-0255-00
Gearbox Output Belt	041-0256-00
Pump Belt	041-0100-00

Engine Filters and Spark Plug

Item	Vanguard
Fuel Filter	063-6000-00
Oil Filter	063-8018-00
Air Filter	063-8019-00 (Pre-cleaner) 063-8020-00
Spark Plug	015-8000-00

Oils

Oil	Type	Part Number
Engine	10W-30 (Bad Boy Synthetic Blend Recommended)	085-6015-00
Transaxle	20W-50 Hydrostatic Oil (Bad Boy Hydrostatic Oil Recommended)	085-6000-00
Gear Drive	75W90	085-6040-00

Service Schedule

WARNING

Machine service must be done at regular intervals. Failure to do so will result in excessively worn parts and early failures. Use the service intervals as a guide for correct service of the machine.

Refer to the legend below to locate detailed instructions for each service item.

S = Service chapter E = Engine manual

Service	First 8 Hours	Every 50 Hours or Annually	Every 100 Hours or Annually	Every 400 Hours
Initial oil change	S			
Torque wheel lugs		S		
Change engine oil			S/E	
Replace engine oil filter			S/E	
Initial gearbox oil change		S		
Initial hydraulic oil and filter change			S	
Replace air filter and pre-cleaner			S/E	
Replace fuel filter			S/E	
Replace spark plug and set gap			S/E	
Gearbox oil change				S
Change hydraulic oil and replace filter				S
Replace air filter and inner safety filter				E

Hydrostatic System

Some of the service procedures presented on the following pages can be performed while the transaxle is mounted on the machine. Any repair procedures as mentioned in the repair section of this manual must be performed after the unit has been removed from the machine.

Cleanliness is a primary means of assuring satisfactory life on repaired units. Thoroughly clean all exposed surfaces prior to any type of maintenance. Cleaning of all parts by using a solvent wash and air drying is usually adequate. As with any precision equipment, all parts must be kept free of foreign material and chemicals.

Protect all exposed sealing surfaces and open cavities from damage and foreign material. The external surfaces should be cleaned before beginning any repairs. Do not use a pressure washer to clean the hydrostatic system.

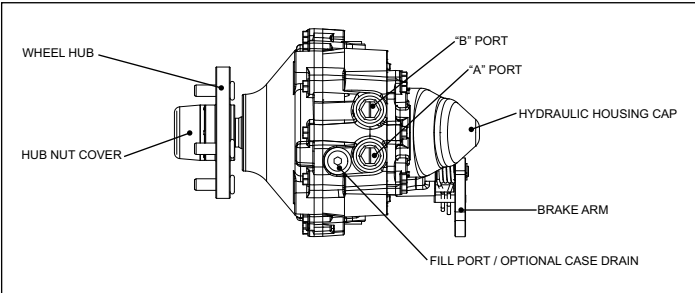


Figure 1:Top View

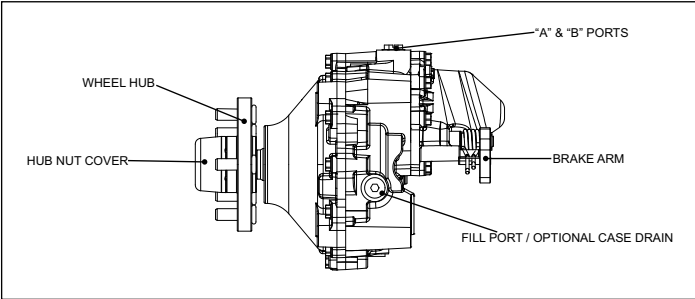


Figure 2:Side View

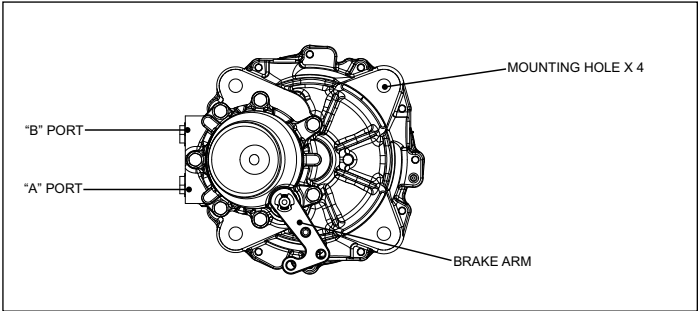


Figure 3:Back View

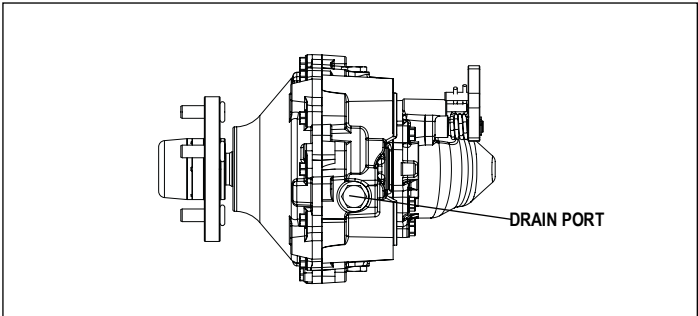


Figure 4:Bottom View

Fluid Volume and Level

Item	Specification
Fluid Type	SAE 20W-50 Bad Boy Hydrostatic Oil
Case Top-Off Volume	34 fl. oz./1000 mL
Total System Volume	
Fill Port Location	Top of transaxle housing
Drain Port Location	Bottom of transaxle housing

Certain situations may require additional fluid to be added or the fluid fully replaced. In addition to filling the hydraulic system with fluid, an additional 34 fl. oz. (1000 mL) must be added to the case via the fill port at the top of the transaxle. After maintenance or an oil change, follow the Purge Procedure and check the fluid level once the unit has been purged and operated for 1 minute.

Fluid Change Procedure

NOTICE

All fluids should be handled and disposed of according to local, state, and federal regulations.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Place an oil drain pan beneath the drain port at the bottom of the transaxle.
4. Remove the drain port plug and allow the fluid to fully drain.
5. Drain old fluid of all free-flowing oil prior to disposal. Place used oil in appropriate containers and deliver to an approved recycling collection facility.
6. Reinstall the drain port plug.
7. Follow the Adding Fluid procedure above to refill the system and transaxle case.
8. Proceed to the Purge Procedure.

Purge Procedure

⚠ WARNING

Certain procedures require the engine to be operated and the machine to be raised off of the ground. To prevent possible injury to the servicing technician and/or bystanders, ensure the machine is properly secured.

Air trapped in the hydraulic system may cause noisy operation, lack of power or drive after short-term operation, and high operating temperature with excessive expansion of oil. These purge procedures must be performed anytime the hydrostatic system has been opened for maintenance or repair, or if any additional fluid has been added to the system.

Before starting, make sure the reservoir is at the proper fluid level. If it is not, fill per the Adding Fluid procedure above.

The following procedure should be performed with the machine's drive wheels off the ground, then repeated under normal operating conditions.

1. Lift and support the machine so the drive wheels are off the ground.
2. Disengage the parking brake.
3. With the bypass valve open and the engine running, slowly move the directional control in both forward and reverse directions (10 to 20 times). As air is purged from the unit, the fluid level in the reservoir may drop.

4. With the bypass valve closed and the engine running, slowly move the directional control in both forward and reverse directions (10 to 20 times). Check the fluid level, and add fluid as required after stopping the engine.
5. Repeat steps 3 and 4 until all air is completely purged from the system. When the hydraulic system moves forward and reverse at normal speed and the reservoir fluid remains at a constant level, purging is complete.

Transaxle Bypass

The drive pumps are equipped with transaxle bypass valves. These transaxle bypass valves are located at the rear of the pumps and serve as a neutral.

6. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
7. Turn the fuel shutoff valve to the OFF position.
8. Loosen both retainers on the sides of the knee pad at least a full rotation until the knee pad is free to lift off.
9. Lift the knee pad straight up and off the machine.
10. Locate the two bypass valves at the rear of the pumps.

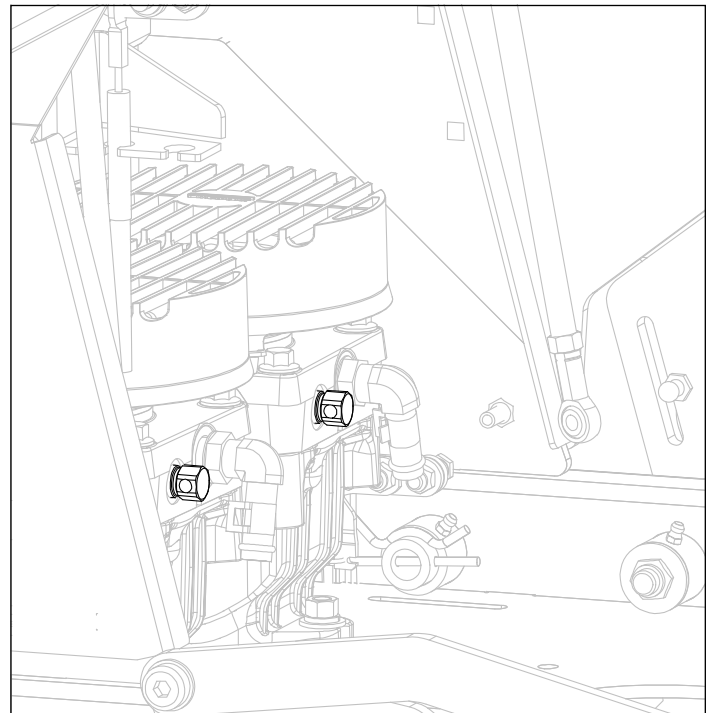


Figure 5: Transaxle Bypass Valves Behind Pumps

11. Using a 5/8 inch wrench, rotate the bolt a 1/2 to full turn to allow for proper bypass. Repeat on the other side.
12. Install the knee pad when done.

Pump Belt Tension Adjustment

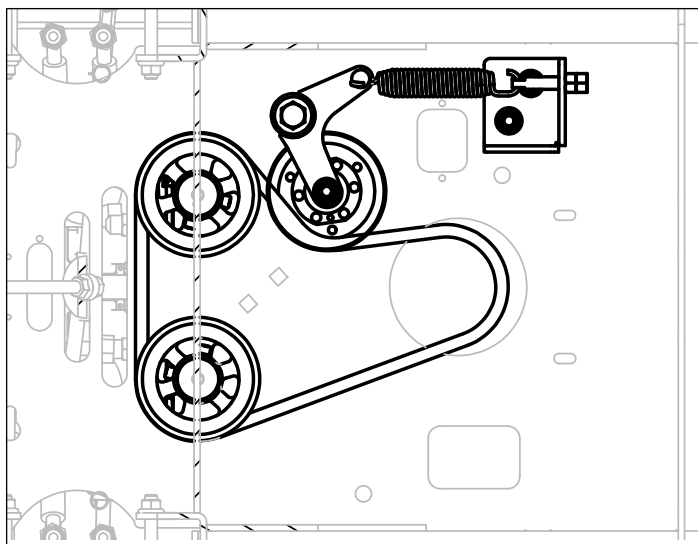


Figure 6:

Over time, the pump belt may wear or loosen, affecting the performance and responsiveness of the machine. Proper pump belt tension ensures smooth and consistent power transfer to the hydrostatic drive system. If the machine is not responding consistently or the belt appears loose, inspect and adjust the belt tension as needed.

A belt tension gauge provides an accurate reading of the tension.



Figure 7: Belt Tension Gauge

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Using a 3/4 in wrench, loosen the top nut (1).

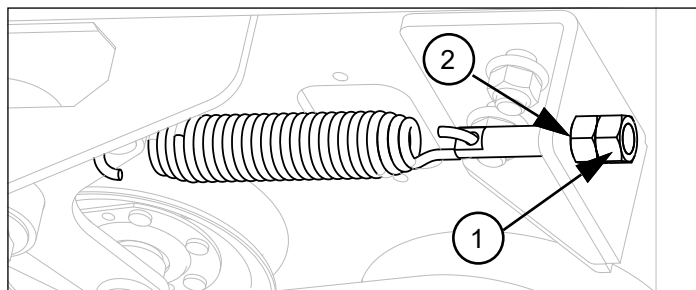


Figure 8: Pump Belt Spring Tensioner

4. Turn the bottom nut (2) clockwise to increase belt tension or counterclockwise to decrease belt tension.
5. Once the desired tension is achieved, tighten the top nut (1) securely.
6. The tension should be adjusted so that there is between 50-55 lbs (23-25 kg) of tension on the belt. Recheck belt tension after 10 minutes.

Tracking Adjustment

The mower is equipped with a hydrostatic transaxle tracking adjustment. Tracking refers to the ability of the mower to travel in a straight line at full forward speed without steering correction. If the mower pulls or drifts to one side during operation, a tracking adjustment is necessary. Before making any adjustments, verify that the tires have been inflated to the proper pressure.

Adjustments should be made to the faster side first. If the mower pulls to the right, adjust the left swivel joint. If the mower pulls to the left, adjust the right swivel joint.

1. Park the machine on a flat, firm, and level surface.
2. Disengage the PTO switch, move the handles to the neutral position, engage the parking brake, and turn off the engine.
3. Locate the push rod to the right or left of the floorboard.
4. Screw the swivel joint in to shorten the push rod to decrease the transaxle speed, or out to lengthen the push rod to increase the transaxle speed. Rotate a small amount to make minor adjustments.
5. Start the mower and drive forward with the control levers fully forward to check if the mower tracks straight. Repeat the procedure as needed.

Engine

Engine Oil

⚠ WARNING

Always clean up spilled flammable fluids or oil. Keep flammable liquids away from heat, flames, sparks, and lighted tobacco. Failure to follow this warning could cause serious injury or death.

An oil drain is installed on the engine to simplify the oil change process. Use Bad Boy 10W-30 synthetic blend engine oil for maximum protection. Bad Boy recommends changing the engine oil and inspecting the oil filter at the intervals specified in the Service Intervals table.

NOTE: Refer to the engine service manual shipped with your machine for additional information on changing the engine oil and replacing the engine oil filter.

⚠ WARNING

Hot oil can cause serious burns. Allow the engine to cool before performing this procedure.

NOTICE

Dispose of used oil in accordance with local, state, and federal regulations.

Remove Oil

1. Run the engine to warm.
2. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
3. Turn the fuel shutoff valve to the OFF position.
4. Remove the dipstick (1). Remove the oil with a clean cloth.
5. Place an oil collection container beneath the oil drain (2).
6. Remove the cap from the oil drain (2) and direct the hose downward to drain the oil completely.

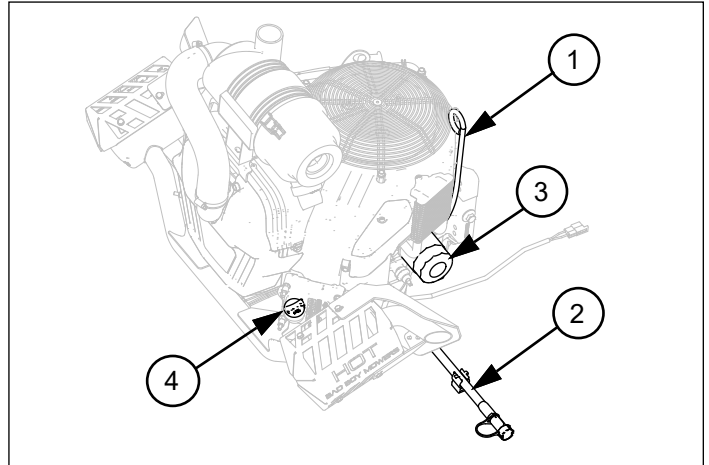


Figure 9: Oil Drain, Oil Filter, and Oil Location

7. Reinstall the cap on the oil drain (1) securely.

Change Oil Filter

8. Position the oil collection container under the oil filter (3).
9. Remove the oil filter (3) and allow any remaining oil to drain completely.
10. Clean the filter mounting surface on the engine.
11. Before installing the new oil filter, lightly lubricate the oil filter gasket with clean oil.
12. Install the oil filter by hand until the gasket touches the oil filter adapter, then tighten the oil filter 1/2 to 3/4 turns.

Add Oil

13. Remove the engine oil fill cap (4) and slowly add new 10W-30 synthetic blend engine oil.
14. Wait one minute then check the oil level.
15. Install and tighten the dipstick (1).
16. Remove the dipstick and check the oil level. The correct oil level is at the top of the full indicator on the dipstick.
17. Install and tighten the dipstick.
18. Turn the fuel shutoff valve to the ON position.
19. Start the engine and wait until the engine is warm to check for oil leaks.
20. Shut off the engine and remove the ignition key.
21. Dispose of used oil and filter in accordance with local ordinances.

Spark Plug

For spark plug location, specifications and more information, refer to the engine service manual shipped with your machine.

⚠ WARNING

Shut off engine, allow all moving parts to come to a complete stop, and allow to cool before performing service. Failure to follow warning can cause serious injury or death.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Disconnect the spark plug wires from the spark plugs (1).

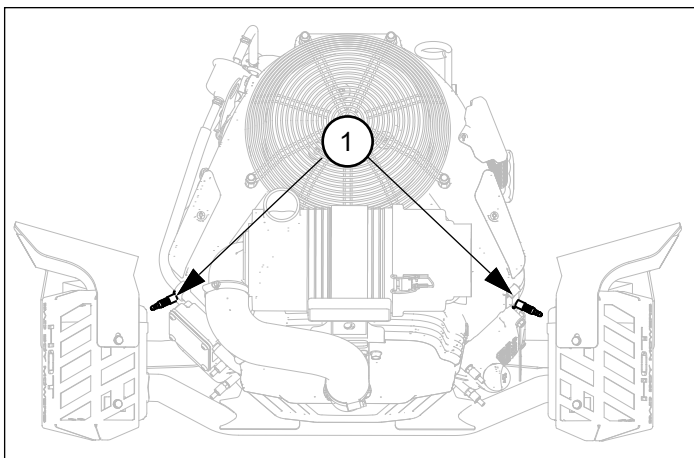


Figure 10: Spark Plug Location

4. Remove the spark plugs using a spark plug socket and ratchet.
5. Inspect the electrode for wear, fouling, or damage.
6. Check the gap against the engine manufacturer's specification. See the engine service manual for gap and torque specifications.

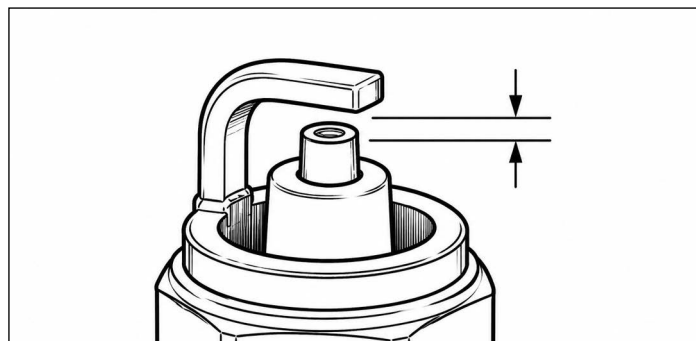


Figure 11: Spark Plug Gap

7. Install the new or gapped spark plugs and tighten to the torque specification listed in the engine service manual.
8. Reconnect the spark plug wires.

Air Filter

The air filter must be replaced at the interval specified for your engine. Operating the engine with a dirty or damaged air filter can cause loss of power and premature engine failure. Refer to the engine service manual shipped with your machine for recommended replacement interval and additional information specific to your engine.

NOTICE

Do not clean the air cleaner element with compressed air or solvents. Pressurized air could result in damage to the filter and solvents will dissolve the filter.

⚠ CAUTION

Shut off engine, allow all moving parts to come to a complete stop, and allow to cool before performing service. Failure to follow this warning can cause serious injury or death.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Remove the air cleaner cover by opening the fasteners (1).

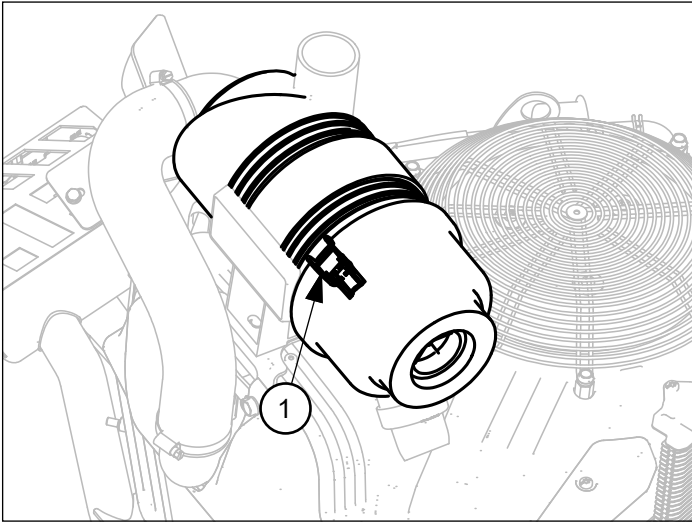


Figure 12: Air Filter

4. Remove the air filter.
5. To loosen debris, lightly tap the air filter on a hard surface. If the air filter is dirty, replace it with a new air filter.
6. To remove the safety filter, if installed, carefully pull it away from the air cleaner body. Make sure that dirt and debris does not go into the engine.
7. Install the new safety filter in the air cleaner body.
8. Install the air filter above the safety filter.
9. Install the cover and close the fasteners (1).

Fuel Filter

The fuel filter is located in the fuel line.

⚠ WARNING

Gasoline is extremely flammable and the vapors are explosive. Always clean up spilled fuel immediately. Keep flammable liquids away from heat, flames, sparks, and lighted tobacco. Perform service in a well-ventilated area or outdoors. Failure to follow this warning could cause serious injury or death.

NOTICE

Dispose of used fuel filter in accordance with local, state, and federal regulations.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.

3. Locate the fuel filter (1) and note the direction of fuel flow as indicated on the filter.

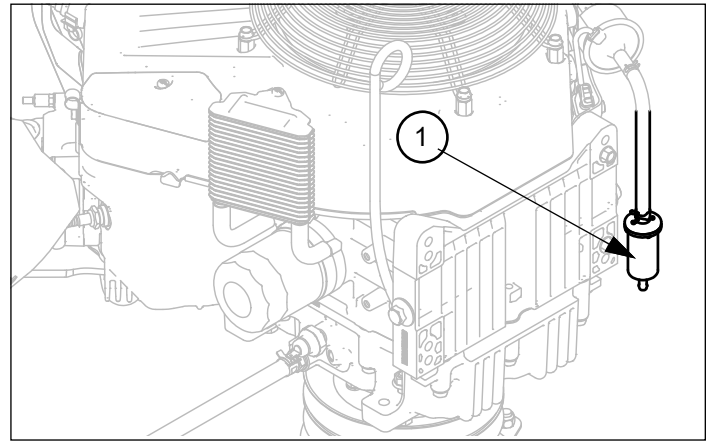


Figure 13: Fuel Filter

4. Squeeze the tabs on the clamps with pliers. Move the clamps away from the fuel filter.
5. Remove the fuel line clips from each side of the fuel filter and remove the fuel filter.
6. Twist and pull the fuel lines off of the fuel filter.
7. Examine the fuel lines for cracks or leaks. If it is necessary, replace the fuel lines.
8. Replace the fuel filter.
9. Attach the fuel lines with clamps.
10. Turn the fuel shutoff valve to the ON position.
11. Start the engine to check for fuel leaks.

Gearbox

⚠ WARNING

The gear drive housing, oil, and plugs may reach high temperatures during operation and can cause severe burns. Allow the gear drive to cool before servicing.

⚠ CAUTION

Do not add or change gear drive oil while the machine is running. Damage to the gear drive or injury to personnel may result.

Change interval

Check oil level every 24 hours of operation. Change oil after the first 50 hours of service. Routine changes thereafter every 250-1000 hours, depending on operating conditions.

Approved Lubricants

- For gear drives operating in ambient temperatures of 15°F to 125°F, with oil temperatures up to 200°F: Mobilube HD 80W-90 or equivalent.
 - For gear drives requiring start-up below 15°F, or operating continuously above 200°F: Mobilube synthetic SHC 75W-90 or equivalent.
1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
 2. Turn the fuel shutoff valve to the OFF position.
 3. Allow the gear drive to cool completely before beginning service.
 4. Remove the bottom drain plug and drain the oil into an approved container.
 5. Reinstall and tighten the drain plug.
 6. Remove the fill plug on the top housing and add the specified oil.
 7. Check the oil level.
 8. Reinstall and tighten the fill plug.

Gearbox Input Belt

NOTICE

The gearbox belt system uses two belts per set. Both belts must be replaced together, even if only one shows wear or damage. Installing a new belt alongside a worn belt can cause uneven tension, premature wear, and belt slippage.

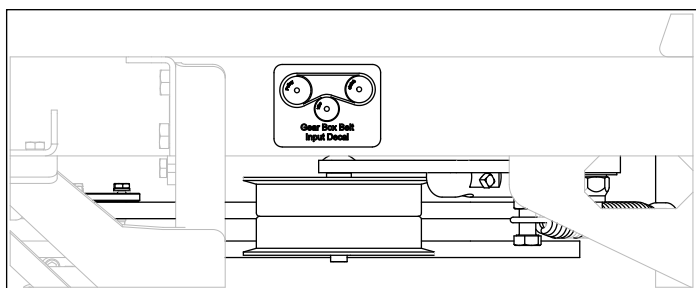


Figure 14: Gearbox Input Belt, Top Down

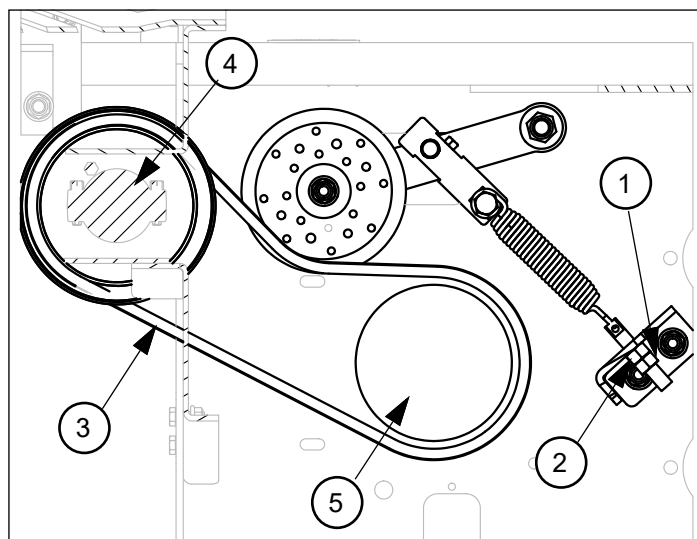


Figure 15: Gearbox Input Belt, Front View

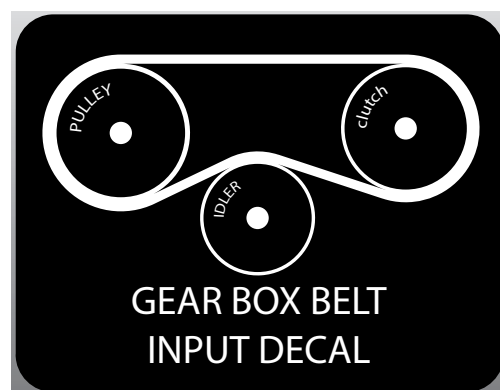


Figure 16: Gearbox Input Belt Route Decal

Removal

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Locate the gearbox input belt system under the frame weldment.
4. Using a 3/4 in wrench, loosen the top nut (1) and turn the bottom nut (2) counterclockwise to release belt tension.
5. Work the outer most belt (3) around the double groove pulley, 6.95 DIA (4) then around the clutch pulley (5) to fully release it from the pulley system.
6. Take the second belt and work around the double groove pulley, 6.95 DIA (4) then the clutch pulley (5) to fully release it from the pulley system.

Installation

1. Place the first input belt onto the double groove pulley, 6.95 DIA (4) then pull over the gearbox input pulley (5). Make sure to place it closest to the frame weldment.
2. Place the second input belt onto the double groove pulley, 6.95 DIA (4) then pull the belt onto the double groove pulley (5).
3. Follow the instructions below to tension the belts.

Tension Adjustment

1. Using a 3/4 in wrench, loosen the top nut (1).
2. Turn the bottom nut (2) clockwise to increase belt tension, or counterclockwise to decrease belt tension.
3. Using a belt tension gauge, adjust the tension so there is 45 lbs (21 kg) of tension on the belt.
4. Once the desired tension is achieved, tighten the top nut (1) securely. Recheck belt tension after 10 minutes.

Gearbox Output Belt

NOTICE

The gearbox belt system uses two belts per set. Both belts must be replaced together, even if only one shows wear or damage. Installing a new belt alongside a worn belt can cause uneven tension, premature wear, and belt slippage.

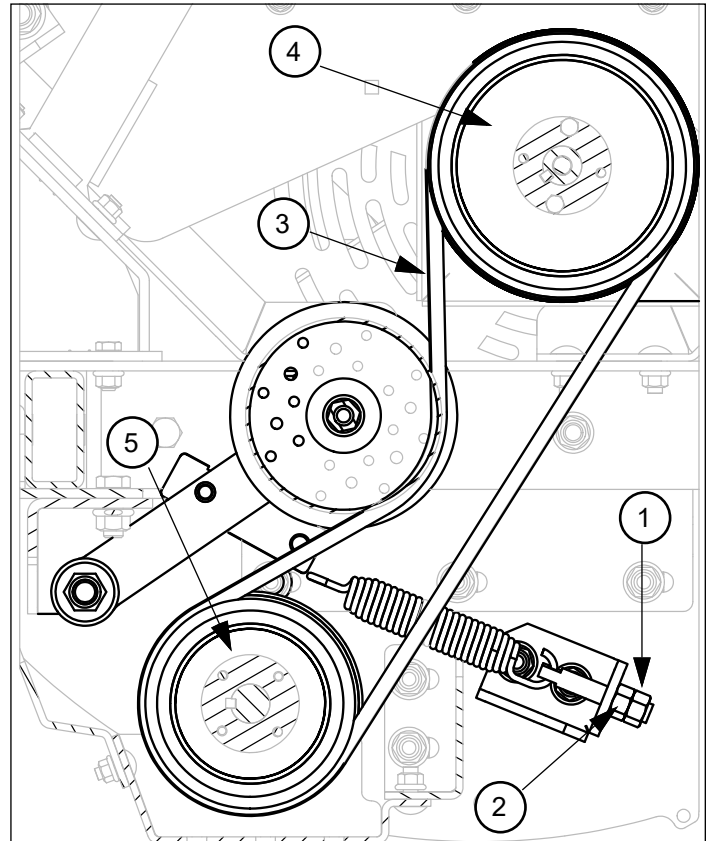


Figure 17: Gearbox Output Belt System

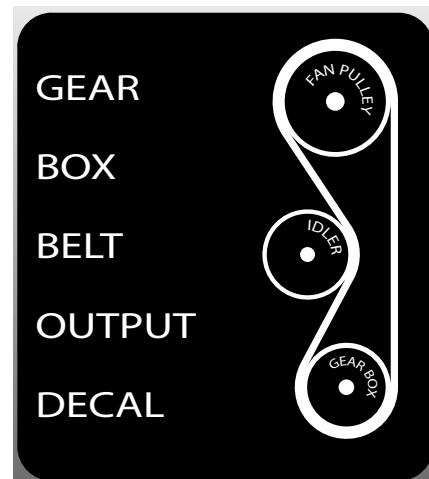


Figure 18: Gearbox Output Belt Route Decal

Removal

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.

3. Locate the gearbox output belt system between the fan housing and frame.
4. Using a 3/4 in wrench, loosen the top nut (1) and turn the bottom nut (2) counterclockwise to release belt tension.
5. Work the outer most belt (3) around the double groove pulley, 5.73 OD (4) then around the double groove pulley, 6.95 OD (5).
6. Work the second belt around the double groove pulley, 5.73 OD (4) then around the double groove pulley, 6.95 OD (5).

Installation

1. Place the first input belt onto the double groove pulley 6.95 OD (4) then pull the belt over the double groove pulley 5.73 OD (5). Make sure to place it closest to the fan system.
2. Place the second input belt onto the double groove pulley 6.95 OD (4) then pull the belt over the double groove pulley 5.73 OD (5).
3. Follow the directions below to tension the belts.

Tension Adjustment

1. Using a 3/4 in wrench, loosen the top nut (1).
2. Turn the bottom nut (2) clockwise to increase belt tension, or counterclockwise to decrease belt tension.
3. Using a belt tension gauge, adjust the tension so there is 45 lbs (21 kg) of tension on the belt.
4. Once the desired tension is achieved, tighten the top nut (1) securely. Recheck belt tension after 10 minutes.

Electrical System

Inspect all wiring and connectors regularly for chafing, corrosion, or loose fittings. A tight, clean connection at the battery terminals is critical to reliable starting and charging performance. Replace any wire or connector that shows heat discoloration, cracked insulation, or corrosion buildup.

Fuses

One fuse protect this machine's electrical system:

Fuse	Main fuse
Rating	25A
Protects	All electrical systems
Location	By the starter solenoid

A blown fuse indicates that excess current has occurred within that circuit, typically due to a fault in the electrical system or a connected component. Do not replace a fuse with one of a higher amperage rating, and do not bypass a fuse under any circumstance. Doing so removes circuit protection and creates a risk of fire or permanent damage to the electrical system. If a fuse blows repeatedly, discontinue use and have the circuit diagnosed before continuing operation.

In order to access the main fuse, lift up the knee pad.

Relay-Controlled Interlocks

The load center contains four relays that govern the safety interlocks controlling machine power-on, drive engagement, and clutch activation. Each relay monitors a specific operator or machine condition; certain functions require confirmation from multiple relays before the corresponding action is permitted. A detailed wiring diagram is available at www.badboycountry.com or by contacting your local Bad Boy dealer.

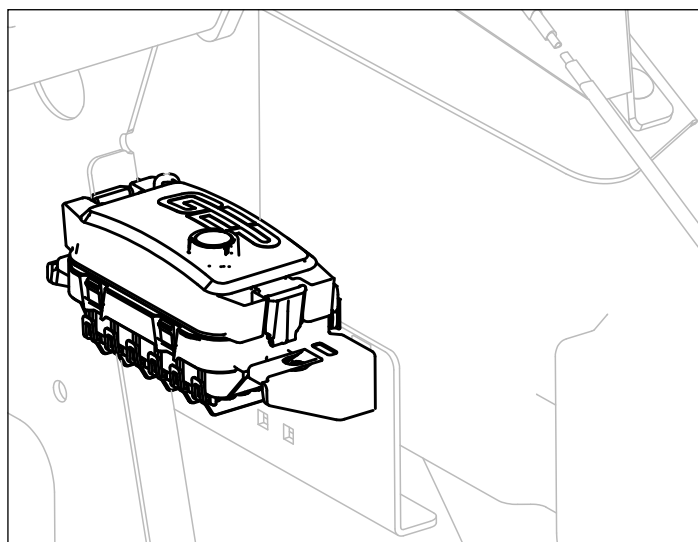


Figure 19: Relay Location

Starter Signal Solenoid

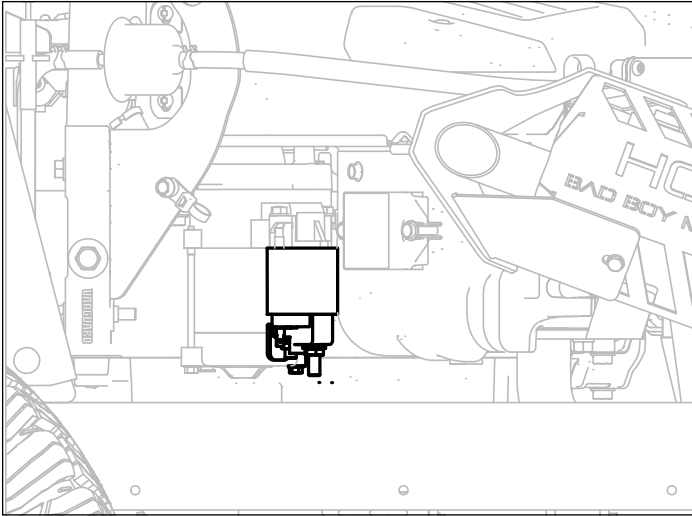


Figure 20: Starter Solenoid Location

The starter solenoid requires two conditions to engage and crank the engine: full battery voltage present at its large terminals, and a low-current signal present at its control terminal. The signal originates from the starter relay and instructs the solenoid to close its internal contacts, completing the high-current path from the battery to the starter motor.

If the engine fails to crank and battery voltage tests within specification, verify that the signal wire is fully seated at the starter solenoid's control terminal before replacing the solenoid or starter motor.

Battery

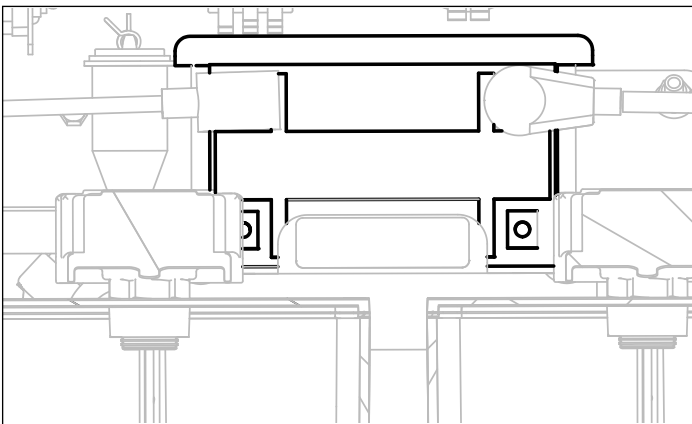


Figure 21: Battery Location

Inspect all wiring, terminals, and connections associated with the battery for damage, corrosion, or looseness prior to service. Battery terminals must remain clean and tight to ensure reliable starting and charging performance. Replace any wiring or connection exhibiting damage, corrosion, or looseness.

Condition	Voltage
Engine running, full throttle	~ 14 volts DC
Engine off, minimum	12 volts DC

A voltage reading outside these ranges indicates a fault in the charging system or battery condition rather than a wiring fault.

Removal

⚠ CAUTION

Disconnect the negative battery cable before the positive battery cable to prevent electrical arcing. Failure to follow this caution could result in machine damage or personal injury.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Loosen both retainers on the sides of the knee pad at least a full rotation until the knee pad is free to lift off.
4. Lift the knee pad straight up and off the machine.
5. Disconnect the negative battery cable first to prevent electrical arcing.
6. Disconnect the positive battery cable.
7. Remove the battery strap and lift the battery off.

Installation

⚠ CAUTION

Connect the positive battery cable before the negative battery cable to prevent electrical arcing. Failure to follow this caution could result in machine damage or personal injury. Actually

1. Position the battery in the battery tray.
2. Place the battery strap over the battery to secure the battery to the machine.
3. Connect the positive battery cable.
4. Connect the negative battery cable.
5. Place the knee pad onto the machine.
6. Tighten both retainers on the sides of the podium.

Wheels

Front Caster

The front caster wheel assembly requires periodic inspection and maintenance to ensure proper operation. Inspect the caster wheels for excessive play or wobble before each use.

1. Park the machine on a flat, firm, and level surface. Engage the parking brake, shut off the engine, and remove the ignition key.
2. Turn the fuel shutoff valve to the OFF position.
3. Inspect the caster wheel for excessive play, wobble, or unusual noise. If any of these conditions are present, the bearing may need to be replaced.
4. To access the caster fork bolt, remove the dust cap (1) by prying gently around its edges using a flat-head screwdriver.

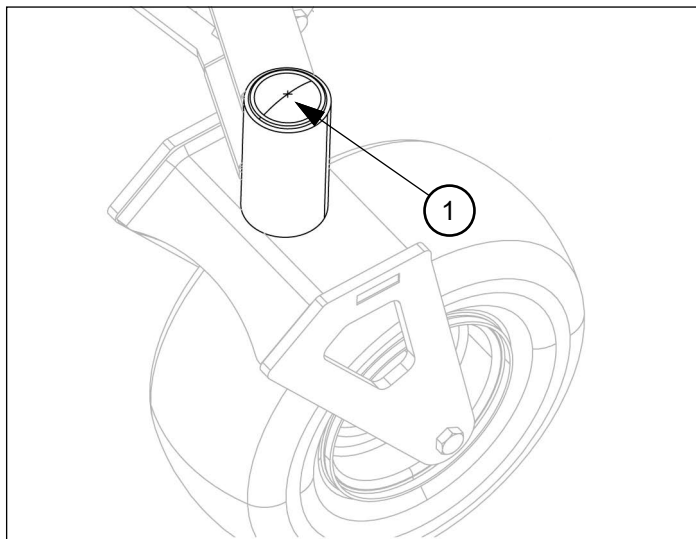


Figure 22: Dust Cap Location

5. Using a 1-7/16 in socket on the caster fork bolt (2) and a 1-1/2 in wrench to secure the bolt (3), tighten the caster fork bolt to a torque of 100 ft-lb (135 N·m).

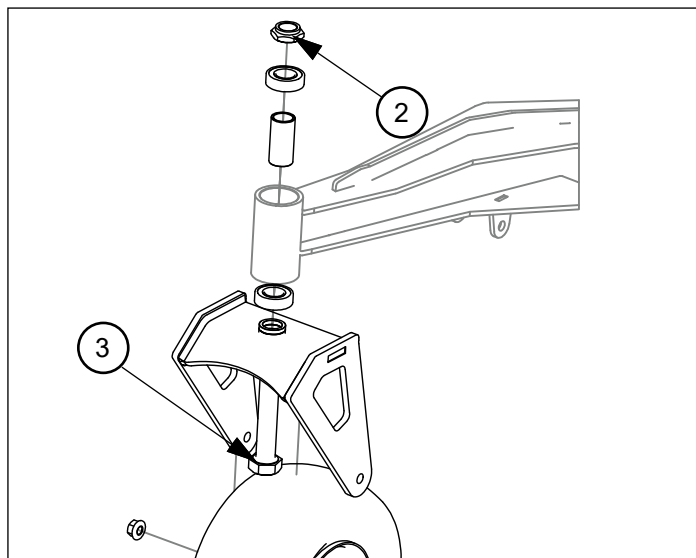


Figure 23: Front Fork Nut

6. Reinstall the dust cap (1) by gently tapping around its edges. Do NOT hit the center of the cap.

Wheel Lugs

Torque rear wheel lugs (4) to 65 ft-lb (88 N·m). Retorque at every oil change and before each use

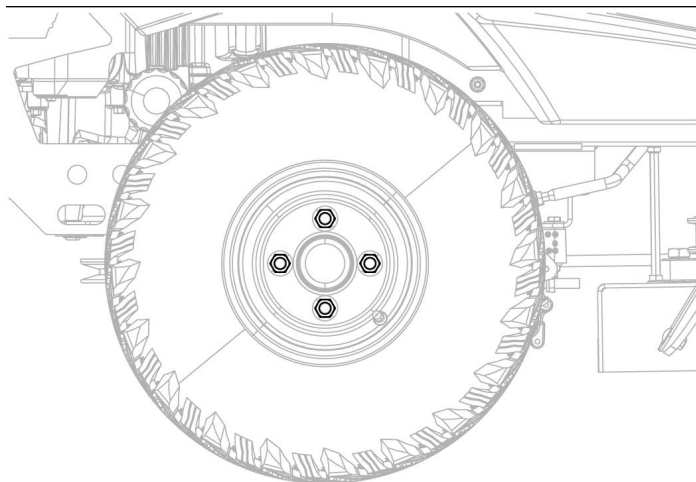


Figure 24: Rear Wheel Lug

Decals

Replace damaged or faded safety decals.

1. Clean the area where the label will be placed with soapy water and clean cloth.
2. Spray soapy water on the area again.
3. Peel backing from the label and press the label against the wet surface.

SERVICE

4. Smooth out any air bubbles using a straight edge like a ruler or credit card to create the adhesion to the machine.

Section 8

TRANSPORTING

Before transporting the machine, ensure the transport vehicle is suitable to bear the weight of the machine. Weight will fluctuate with the addition of accessories.

Loading

⚠ WARNING

Improper fastening during transportation may lead to machine movement and possible loss of load. Failure to follow this warning could cause serious injury or death.

1. Rotate the fuel shutoff valve to the ON position.
2. Set the nozzle height to the maximum height to ensure proper clearance.
3. Start the engine and release the parking brake.
4. Drive the machine onto the trailer in the forward direction.
5. Center the machine's weight slightly forward of the trailer axles.
6. Engage the parking brake, shut off the engine, and remove the ignition key.
7. Rotate the fuel shutoff valve to the OFF position.

NOTE: Machine securement requirements may vary by state and local regulations. Always comply with all applicable federal, state, and local regulations when transporting this machine on public roads.

8. Attach straps on the right front and rear side and left front and rear side tie down points.

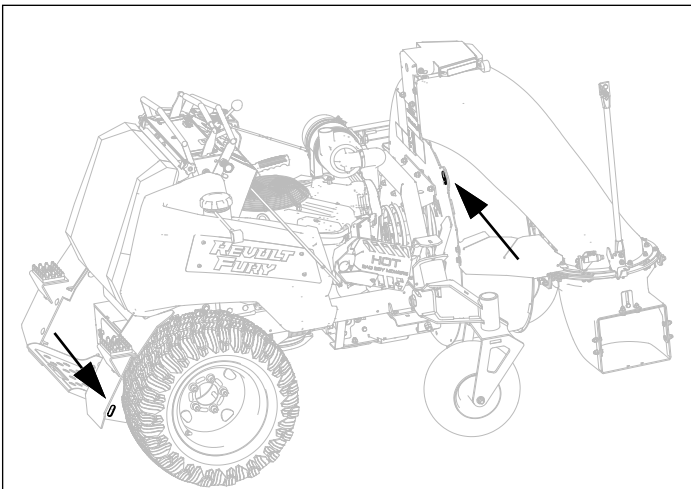


Figure 1: Right Side Tie Down Points

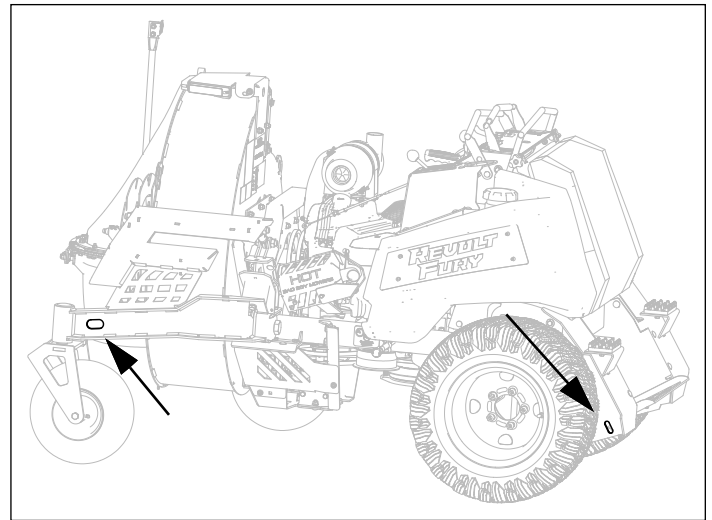


Figure 2: Left Side Tie Down Points

9. Securely fasten all four straps to the truck or trailer.
10. Secure the ends of the straps.

Unloading

1. Position the trailer ramp or gate for unloading.
2. Rotate the fuel shutoff valve to the ON position.
3. Set the nozzle to the maximum height to ensure proper clearance.
4. Start the engine and release the parking brake.
5. Back the machine down the ramp slowly and carefully.
6. Once clear of the ramp, engage the parking brake, shut off the engine, and remove the ignition key.
7. Rotate the fuel shutoff valve to the OFF position.

Moving Inoperable Machine

⚠ CAUTION

Never try to push or pull the machine by hand. Failure to follow this caution could cause serious bodily injury.

Do not tow the machine onto a trailer. Use a winch to load the machine onto a trailer for transporting.

1. Turn the fuel shutoff valve to the OFF position.
2. Loosen both retainers on the sides of the knee pad at least a full rotation until the knee pad is free to lift off.
3. Lift the knee pad straight up and off the machine.
4. Locate the two bypass valves at the rear of the pumps.

TRANSPORTING

5. Using a 5/8 inch wrench, rotate the bolt a 1/2 to full turn to allow for proper bypass. Repeat on the other side.
6. Move the machine with the engine off and the bypass rods in the neutral position. Move only as far as necessary.

Section 9

LIMITED WARRANTY

1. WHAT THIS WARRANTY COVERS, AND FOR HOW LONG:

Bad Boy Mowers, LLC will, at its option, repair or replace, without charge, any part covered by the warranty which is found to be defective in material and/or workmanship for **two (2) years** after the date of sale to the original retail purchaser **unless the product is used for rental purposes, in which case this warranty is limited to ninety (90) days.**

- Belts are warranted for a period of **ninety (90) days** against materials or workmanship defects.
- Knee pads are warranted for a period of **two (2) years** against material or workmanship defects.
- Batteries are warranted for **six (6) months** (free replacement) from the retail purchase date against materials or workmanship defects. The battery warranty must be obtained through the battery manufacturer.

At Bad Boy Mowers, LLC's request, customer will make the defective part available for inspection by Bad Boy Mowers, LLC and/or return the defective part to Bad Boy Mowers, LLC, **transportation charges prepaid.**

2. WHAT THIS WARRANTY DOES NOT COVER:

- A. This warranty does not cover defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations, or failure to follow the instruction contained in the Owner's Manual for operation and maintenance.
- B. The customer shall pay any charges for making service calls and/or for transporting the machine to and from the place where the inspection and/or warranty work is performed. **Bad Boy Mowers, LLC will not be responsible for the pickup and delivery of a machine for warranty purposes.**
- C. Engines are warranted separately by their respective manufacturer. The available warranties covering this item are furnished with each machine. Bad Boy Mowers, LLC does not assume any warranty obligation, liability or modification for this item, which is covered exclusively by the stated warranty of the respective manufacturers.
- D. Tires are considered to be consumable wear items and are therefore not warranted.
- E. Normal maintenance services such as oil change, cleaning, lubrication, and adjustments.
- F. Replacement of services and items, such as oil, lubricants, spark plugs, belts, rubber hoses or other items subject to normal service replacement.

3. HOW TO OBTAIN SERVICE UNDER THIS WARRANTY:

- A. Warranty service can be arranged by contacting the authorized Bad Boy dealer where you purchased your machine or your nearest authorized Bad Boy dealer. Proof of purchase may be required to verify warranty coverage. Warranty repairs must be completed by an authorized Bad Boy dealer.
- B. **Warranty claims will not be reviewed or paid unless the warranty registration is received by Bad Boy Mowers, LLC within 30 days of the retail purchase date.**
- C. Warranty claims requiring parts returned will be settled upon return of parts to Bad Boy for inspection.
- D. All warranty issues must be handled through an authorized service center or dealership.

4. WARRANTY LIMITATION:

- A. **THERE IS NO OTHER EXPRESS WARRANTY. ANY WARRANTY THAT MAY BE IMPLIED FROM THIS PURCHASE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IS HEREBY LIMITED TO THE DURATION OF THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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- B. **BAD BOY MOWERS, LLC WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES AND/OR EXPENSES IN CONNECTION WITH THE PURCHASE OR USE OF THE MOWER.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you.
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- C. Only the warranty expressed in this limited warranty shall apply and no dealer, distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements such as
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LIMITED WARRANTY

dealer advertising or presentations, whether oral or written, do not constitute warranties by Bad Boy Mowers, LLC, and should not be relied on.

- D. This warranty extends only to turf equipment operated under normal conditions and properly serviced and maintained. The warranty expressly does not cover (i) any defects, damage or deterioration due to normal use, wear and tear, or exposure; (ii) normal maintenance services such as oil change, cleaning, lubrication, adjustment; (iii) replacement of services, items, such as oil, lubricants, spark plugs, belts, rubber hoses or other items subject to normal service replacement; (iv) damage or defects arising out of or relating to misuse, neglect, alteration, negligence or accident; (v) repair or replacement arising from operation of or use of the turf equipment which is not in accordance with operating instructions as specified in the operator's manual or other operational instructions provided by Bad Boy Mowers, LLC; (vi) repair or replacement arising as a result of any operation from turf equipment that has been altered or modified so as to, indetermination of Bad Boy Mowers, LLC, adversely affect the operation, performance or durability of the equipment or that has altered, modified or affected the turf equipment so as to change the intended use of the product; (vii) repair or replacement necessitated by use of parts, accessories or supplies, including gasoline, oil or lubricants, incompatible with the turf equipment or other than as recommended in the operator's manual or other operational instructions provided by Bad Boy Mowers, LLC; (viii) repairs or replacements resulting from parts or accessories which have adversely affected the operation, performance or durability of the turf equipment; or (ix) damage or defects due to or arising out of repair of turf equipment by person or persons other than an authorized Bad Boy Mowers, LLC, service dealer or the installation of parts other than genuine Bad Boy Mowers, LLC, recommended parts. **As a condition to this warranty, customer shall have read the operator's manual and ensured the machine has been registered within 30 days of purchase.**
- E. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.



**BAD BOY
MOWERS**

www.badboycountry.com

Bad Boy, Inc.

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