



**54"**

# Mid Mount Mower

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## TRACTOR IMPLEMENT OWNER'S OPERATOR SERVICE MANUAL

For additional information, please see us at

[www.badboycountry.com](http://www.badboycountry.com)

# TO THE DEALER

Assembly, initial lubrication, and verification of proper installation of this product is the responsibility of the Bad Boy dealer. Be familiar with the safety rules and instructions found in this manual. Ensure all items on the Dealer's Pre-Delivery and Delivery Checklists in this manual are completed before releasing the cutter to the new owner.

# TO THE OWNER

Note: Anyone who operates your Bad Boy must first read this owner's manual. Although this implement has been engineered with safety and reliability as the foremost concerns, there is no substitute for an informed and cautious operator. This manual should be viewed as a part of the equipment itself. If this manual is lost, destroyed, or otherwise rendered unreadable, obtain a duplicate immediately. A duplicate can be obtained online at [www.badboycountry.com](http://www.badboycountry.com). As with all machinery, this cutter requires periodic maintenance and should be kept free of debris buildup. Proper care will ensure many years of dependable service. Replacement parts should only be obtained from your Bad Boy dealer. Failure to utilize approved parts can be dangerous and will void the warrant

# **SAFETY RULES/INFORMATION**

**NOTE: Safety instructions are important! While these instructions may seem lengthy or redundant, they are presented for your safety.**

- Safety alerts and symbols will appear throughout the manual to indicate potential hazards. When you see any of these symbols, be aware and read the instructions and or cautions carefully. Accidents

## **SAFETY WORDS**

- The meaning of the different signal words as defined in this standard may be explained in collateral materials. The following artwork may be used for this purpose.



**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 physical injury



**Safety instruction (or equivalent) signs indicate specific safety-related instructions or procedures**

## **SAFETY ALERT SYMBOLS**



-Indicates the DANGER signal word.



-Indicates the WARNING signal word.



-Indicates the CAUTION signal word.



- Can indicate DANGER, WARNING, or CAUTION signal words

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## SPECIFICATIONS 54" DECK

Category	Mid Mount Mower
Gear Box	200C
Warranty	3/16" Solid Welded
Total Width (With Chute)	67 ½"
Cut Range	1"-4"
Tractor Mid PTO RPM	2000 RPM
Oil and Fluid	AGMA 5 EP Gear Oil 6oz
Drive Type	Gearbox Over Belt
PTO Driveline Protection	Shear Pin
Belt Tension	40-50lbs



# SAFETY RULES

**Note: (Safety instructions are important!! While these instructions may seem lengthy or redundant, they are presented for your safety)**

## **TRAINING**

- Almost all accidents arising from the use of equipment such as this that has resulted in injury or death would have been avoided had instructions such as these been adhered to.
- If you do not understand any part of this manual, contact your dealer for assistance.
- Dangerous situations can arise quickly. Know your controls and how to stop the engine and attachment in an emergency. Fractions of a second can be extremely important.
- Do not allow anyone to operate the equipment without first requiring them to read this manual and giving proper instruction.
- Never allow children (< 16 years of age) or untrained persons to operate the equipment.

## **PREPARATION**

- Check that all hardware is properly installed.
- Loose clothing can become caught in moving parts. Entanglement with the rotating PTO shaft is the #1 cause of death and serious injury with equipment such as this. Always wear relatively tight and belted clothing to reduce this risk.
- Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head. Wear a respirator or filter mask where appropriate.
- Make sure the cutter is properly secured, adjusted, lubricated, and in good operating condition.
- Make sure spring-activated locking pin slides freely and is seated firmly in tractor PTO spline groove.
- Connect PTO drive line directly to power unit PTO shaft. Never use adapter sleeves or adapter shafts. Adapters can cause drive-line failures. (Engine must be off when attaching or working on PTO.)
- Before starting power unit, check drive-line guards for damage. Do not operate without replacing any damaged guards. Ensure the guards rotate freely on the drive-line. If they do not, repair or replace bearings before operating the cutter.

- Tractor must be equipped with Roll-Over Protective Structure (ROPS) or ROPS cab and seat belt. ALWAYS keep seat belt securely fastened. Falling off the tractor can, and does, result in death. Keep fold-able ROPS system in 'locked up' position at all times.
  - Inspect guards before use. Replace if damaged. DO NOT OPERATE the Mower without guards in place.
  - Accumulation of debris can present hazards. Remove accumulated debris from the Deck and Tractor before use.
  - Make sure all safety decals are installed and free from damage. Replace if damaged.
  - A minimum of 20% of tractor and equipment weight must be on the tractor front wheels when attachments are in transport position. Without this weight, front tractor wheels could raise up resulting in loss of steering. The weight may be attained with front wheel weights, ballast in tires.
- 
- Inspect and clear the area of stones, branches, or other hard objects that might be thrown, causing injury or damage.

### **STORAGE**

- Keep children and bystanders away from storage area.
- Disconnect mower driveshaft and secure up and off the ground. Raise mower with 3- point hitch. Place blocks under mower. Lower mower onto blocks. Disconnect mower from tractor and carefully drive tractor off of mower.
  
- Before leaving the area, check to ensure the mower is stable.
- Keep bystanders away from the storage area.



## **CLEANING**

- Remove large debris (clumps of dirt, grass, crop residue, etc.) from machine.
- Inspect machine and replace worn or damaged parts.
- Replace any missing, damaged, or otherwise unreadable safety decals.
  
- Clean large debris (clumps of dirt, grass, crop residue, etc.) from machine.
- Remove the remainder using a low-pressure water spray.
  1. Take extra care when spraying near safety decals. The water spray could penetrate under the decal and peel it off.
  2. Be careful when spraying near any paint damage. The spray could remove more paint.



## **OPERATION**

- Do not allow bystanders in the area when operating, attaching, removing, assembling, or servicing the cutter.
- This machine is equipped with front and rear guards. **DO NOT** operate the machine without the guards in place.
- Never direct discharge toward people, animals, or property.
- Do not operate or transport equipment while under the influence of alcohol or drugs.
- Operate only in daylight or good artificial light.
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.
- Always comply with all state and local lighting and marking requirements.
- **NEVER ALLOW RIDERS ON POWER UNIT OR IMPLEMENT!**
- Always sit in the tractor seat when operating controls or starting engine. Securely fasten seat belt, place transmission in neutral, engage brake, and ensure all other controls are disengaged before starting tractor engine.
- Operate tractor (mid) PTO at 2000 RPM. Do not exceed 2000 RPM.
- Do not operate PTO during transport.
- Look down and to the rear and make sure area is clear of people, animals, property, or foreign objects before operating in reverse. Children often do not understand the severity of the potential
  
- Do not operate or transport on steep slopes.
- Do not stop, start, or change directions suddenly on slopes.
- Use extreme care and reduce ground speed on slopes and rough terrain.
- Watch for hidden hazards on the terrain during operation.
- Stop tractor unit and equipment immediately upon striking an obstruction. Turn off engine, remove key, inspect, and repair any damage before operation resumes.
- Leak down or failure of mechanical or hydraulic system can cause equipment to drop.
- Make certain all movement of equipment components have stopped before exiting the tractor.



## **MAINTENANCE**

- Before performing any service or maintenance, disconnect drive-line from tractor PTO.
- Before working underneath the equipment, disconnect drive-line, raise Mower, and block Mower securely. Hydraulic system leaks down and failure of mechanical or hydraulic system can cause equipment to drop.



## **OPERATION**

The operator is responsible for the safe operation of the mower. The operator must be properly trained. Operators should be familiar with the mower, the tractor utilized, and all safety practices before starting operation.

This mower is designed for grass, weeds. Recommended mowing speed for most conditions is between 2-5 mph.

- Deck must be lowered to rest on dial lock before PTO is engaged failure to do so will result in PTO damage.
- Move slowly into material. Adjust tractor ground speed to provide a clean cut without lugging the tractor engine. Proper ground speed will depend on the terrain and the material's height, type, density, and moisture content. The operator will be able to determine appropriate ground speeds for different conditions. Normal ground speed ranges from between 2 and 5 mph.
- Under certain conditions, the tractor tires may push the grass down. This can result in an uneven cut. When this occurs, reduce your ground speed, but maintain the PTO at 2000 RPM. Lowering your travel speed will allow the grass more time to rebound.



## **LUBRICATION**

1. Do not allow excess grease to collect on or around parts, particularly when operating in sandy areas.
2. Use a spray lithium grease for all locations unless otherwise noted.
3. Equipment is shipped with gear oil in the gearbox. Gearbox needs 6 oz. of SAE gear oil;

80W-90 is recommended for all temperatures. The oil level will be at the same level as the horizontal input shaft when filled properly. The gearbox has a side plug that is designed to allow for oil level checks. If oil runs out of the hole when the plug is removed, the oil level is sufficient. First oil change at 50 hours then every 1000 hours or one-year whichever comes first.



## **DRIVELINE SHEAR-BOLT REPLACEMENT**

- Always use a 5/16" x 2 1/2" SAE grade 5 bolt as a replacement part. Using a hardened bolt (such as grade 8) may result in damage to driveline or gearbox.
1. Remove the damaged shear bolt.
  2. Rotate the driveline to align the holes in the yoke with the hole in the input shaft of the gearbox. Install shear bolt and secure with Ny lock nut.

# GENERAL INFORMATION



## WARNING

The purpose of this manual is to assist you in operating and maintaining your implement. Read it carefully. It furnishes information and instructions that will help you achieve years of dependable performance. These instructions are the product of extensive field experience, engineering data, accident reports, and statistical data. Although some information may be general in nature due to unknown and varying operating conditions, through experience and adherence to these instructions, you should be able to develop sound operating procedures suitable to your particular situation.

The illustrations and data used in this manual were current at the time of printing, but due to possible running changes, your machine may vary slightly in detail. Bad Boy reserves the right to redesign and change the machines as necessary without notification.

Throughout this manual, references are made to right and left sides of the equipment. These directions are determined by standing behind the equipment. Also, blade rotation is clockwise. This direction is as viewed from the top of the cutter.



## **CHILDREN**

Extremely tragic accidents can, and do occur if the operator is not continually alert to the presence of children. Children are often attracted to machinery and the mowing activity. NEVER assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of responsible adult other than the operator.
- As this machine is capable of, and used for, cutting relatively tall grass, always be vigilant in monitoring the field ahead. Accidents in which children were obscured by tall grass and not easily seen by the operator have occurred with equipment of this type. The results are often life shattering for all involved. Be constantly aware during operation!
- Immediately turn the equipment off if a child enters the area.
- Never allow children to operate the equipment (<16 years of age).
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

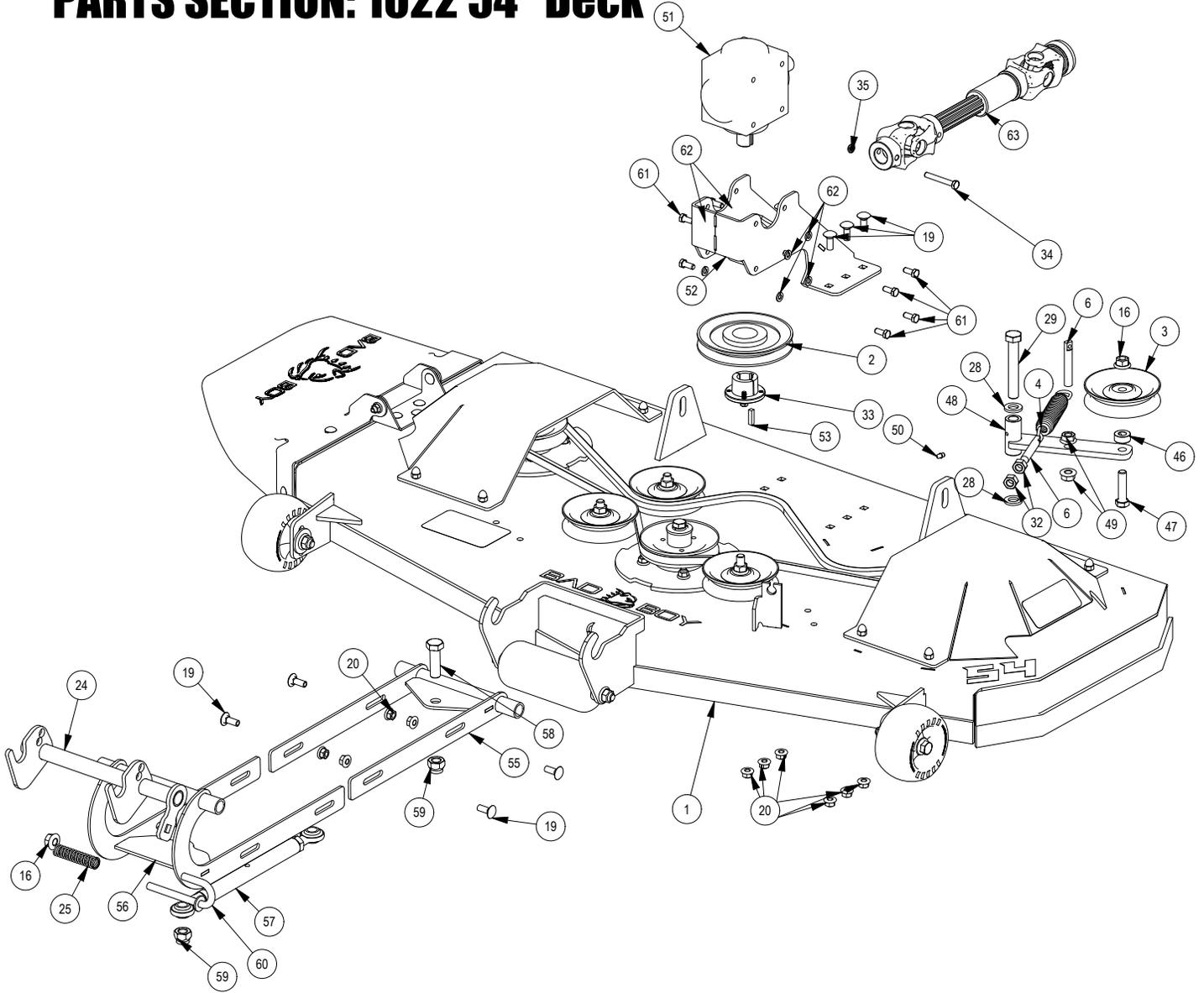
# TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Grass is cut lower in the center of the path than at the edge.	Height of cutter is too low at rear or front.	Adjust cutter height and attitude so that cutter rear and front are within ½" of same height.
Streaking conditions in path.	<p>Conditions too wet for mowing.</p> <p>Blades unable to cut grass pressed flat by tractor tires.</p> <p>Dull Blades</p>	<p>Allow grass to dry before mowing.</p> <p>Slow ground speed of tractor but keep PTO running at 2000 RPM.</p> <p>Sharpen or replace blades.</p>
Material discharges from cutter unevenly; material bunches along path.	<p>Material too high and dense.</p> <p>Grass wet.</p> <p>Rear of mower too low, trapping material under cutter.</p>	<p>Reduce ground speed (maintaining 2000 RPM tractor PTO) or make two passes. Raise cutter for the first pass; then lower cutter to desired height and cut perpendicular to the first passes.</p> <p>Allow grass to dry before mowing.</p> <p>Adjust mower height and attitude.</p>
mower no longer cuts at all (Shear bolt model).	Shear-bolt has sheared.	Install new shear-bolt.

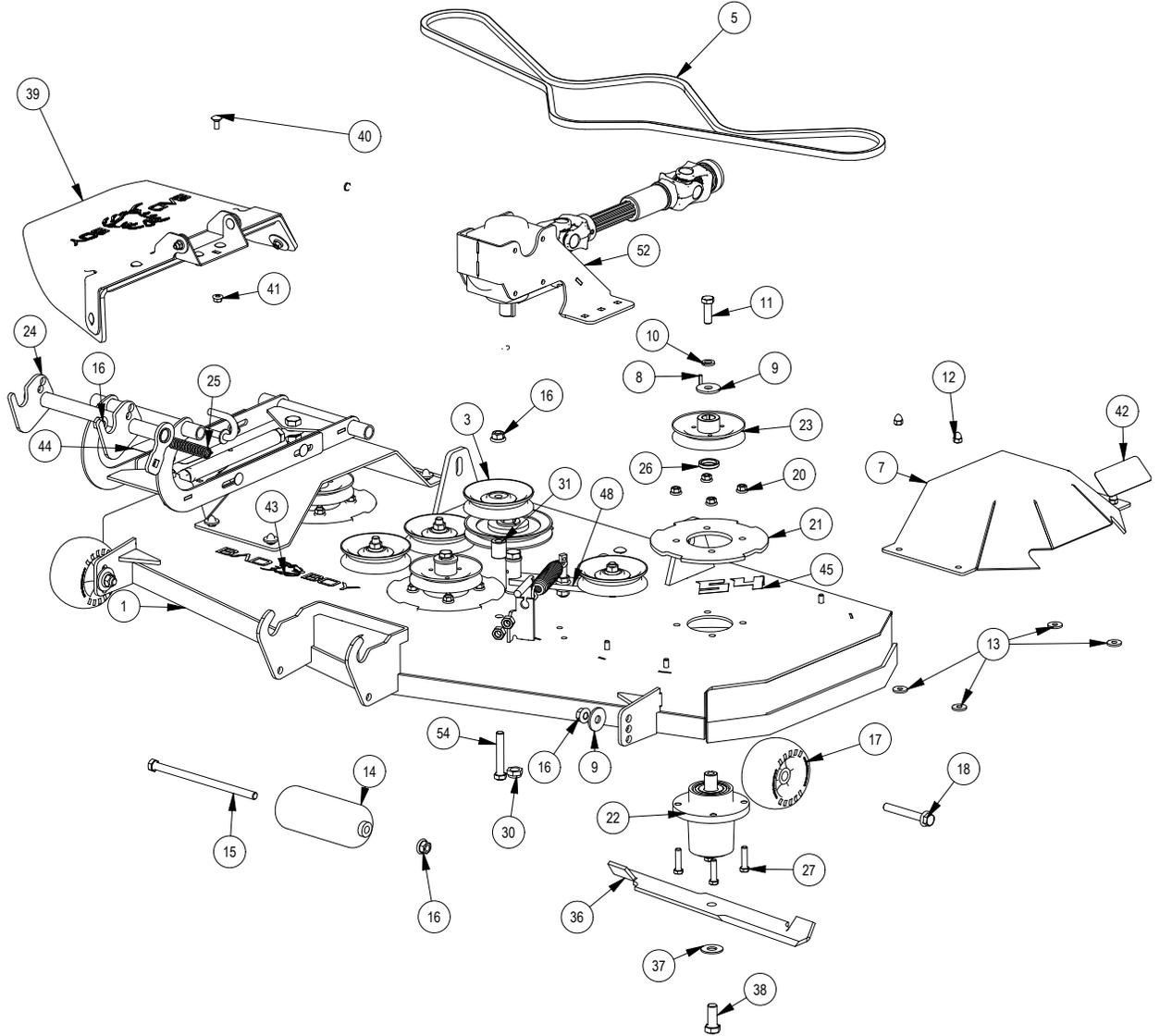
## PARTS SECTION: 1022 54" Deck

Parts List				Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	360-9000-01	1022 54 4in Deck Weldment	33	1	801-0010-00	Quick-Disconnect Bushing
2	1	801-0011-00	Split-Tapered Bushing-Bore Pulley	34	1	018-0104-00	5/16-18 X 2-1/4 HEX CAP SCREW (GR.2) ZINC
3	4	033-6001-00	4 3/4" Idler Pulley	35	1	013-9005-00	5/16-18 Nylock Jam Nut
4	1	034-2020-00	Deck Idler Spring	36	3	038-0001-00	54" Fusion Blade for Avenger/ZT/Mav/Outlaw/Revolt
5	1	041-8054-00	54 Mid mount mower Belt	37	3	019-5038-00	5/8 USS FLAT WASHER (1-3/4" OD) GR.8 ZINC YELLOW
6	2	018-2004-50	All Thread	38	3	018-6020-00	5/8-18 X 1-1/2 HEX CAP SCREW (GR.8) ZINC YELLOW
7	2	314-0030-07	60 Tractor Deck Pulley covers	39	1	210-6015-98	MZ Discharge Chute Assembly
8	3	042-0010-00	3/16 X 1 SQ MACHINERY KEY 1018 STL ZINC	40	3	018-8062-00	5/16-18 x 3/4 Carriage Bolt
9	5	019-6020-00	1/2 BELLEVILLE WASHER (1-5/8 OD X .140 THK) ZINC	41	3	013-8049-00	5/16-18 NYLON INSERT FLANGE LOCKNUT ZINC
10	3	019-5007-00	1/2 SPLIT LOCKWASHER (GR.8) ZINC/YELLOW	42	2	091-3012-LE	Danger Decal for Black Parts
11	3	018-6019-00	1/2-20 X 1-1/2 HEX CAP SCREW (GR.5) ZINC	43	1	091-4063-00	Flying Bulldog Front Bumper Decal
12	8	013-0004-00	5/16-18 ACORN NUT HIGH-CROWN ZC	44	1	091-0421-00	60" Mid Mount Mower Belt Route Decal
13	8	019-6050-00	.360 ID X .983 OD X .120 THICK FLAT WASHER NYLON BLACK	45	1	091-0504-00	54" Deck Decal
14	1	822-2055-00	3in deck roller	46	1	025-7036-00	1/2 SOLID SHAFT COLLAR (W/1 SET SCREW) ZINC
15	1	018-7010-00	1/2-13 X 9 HEX CAP SCREW (GR.5) ZINC	47	1	018-5049-00	1/2-13 X 2 HEX CAP SCREW (GR.5) ZINC
16	8	013-8050-00	1/2-13 NYLON INSERT FLANGE LOCKNUT ZINC	48	1	039-6954-10	TD Deck Tensioner weldment
17	2	022-1000-00	Deck Wheel	49	2	013-5300-00	1/2-13 HEX SERRATED FLANGE NUT HARD/ZINC
18	2	018-0010-00	1/2-13 X 90MM HEX FLANGE BOLT W/SHOULDER (GR.8) ZINC	50	1	024-0001-00	1/4-28 Grease Fitting
19	10	018-5044-00	3/8-16 X 1 CARRIAGE BOLT (GR.5) ZINC	51	1	350-0041-00	200c Gearbox
20	22	013-5202-00	3/8-16 NYLON INSERT FLANGE LOCKNUT (GR.F) ZINC	52	1	339-0216-07	1022 gearbox Mount weldment
21	3	026-0025-00	Deck Spindle Support Plate	53	1	042-6030-00	1/4 X 1 SQ MACHINERY KEY 1018 STL PLN
22	3	037-2000-00	Spindle Assembly-MZ	54	3	018-7016-00	1/2-13 X 3 HEX CAP SCREW (GR.5) ZINC
23	3	033-4890-00	54 MZ Spindle Pulley	55	1	339-0217-07	1022- Rear Pull Bar Weldment
24	1	339-0188-07	front hook bar weldment	56	1	339-0221-07	1022- Front Pull Bar Weldment
25	1	034-1001-00	3-1/8" x 0.75 OD x 0.568 ID Compression Spring	57	1	048-6061-00	2019 Suspension Radius Rod Assembly
26	3	058-1000-00	Spacer, 1x1.375x.25	58	2	318-0015-00	5/8-11 X 2 HEX C/S (GR.5) ZC
27	12	018-6012-00	3/8-16 X 1-1/2 HEX CAP SCREW (GR.5) ZINC	59	2	013-7021-00	5/8-11 NYLON INSERT LOCKNUT ZINC
28	2	019-6017-00	.635 ID X 1.120 OD X .140 THICK FLAT WASHER NYLON	60	1	834-0003-00	1022 Belly mower J-Hook
29	1	018-5311-00	5/8-11 X 4 HEX CAP SCREW (GR.8) ZINC YELLOW	61	8	018-8063-00	5/16-18 X 3/4 HEX CAP SCREW (GR.5) ZINC
30	1	013-5301-00	5/8" Nylock (1/2 Jam)	62	8	019-8051-00	5/16 SPLIT LOCKWASHER ZINC
31	3	025-5344-00	.502 ID X .750 OD X 1.125 Long Spacer	63	1	350-0051-00	1022 Mid PTO
32	2	013-7018-00	1/2-13 HEX NUT ZINC				

**PARTS SECTION: 1022 54" Deck**



**PARTS SECTION: 1022 54" Deck**



# INSTALLATION INSTRUCTIONS



## Please Read Disclaimer



Please read all instructions before beginning installation. These guidelines are provided in good faith to help prevent any problems caused by errors in installation. The manufacturer of this product shall not be held responsible for installation actions taken or not taken. There are many details of installation that are assumed to be general construction knowledge to experienced installers which are not included in these instructions. These installation guidelines are intended to be strictly recommendations and are not to serve as a step-by-step, fail-safe installation checklist. Selection of an experienced installer is the sole responsibility of the project owner and architect. Bad Boy Mowers. Does not accept any responsibility for job failure resulting from or associated with improper site environmental conditions and installation failure due to expansion contraction issues.

## MOWER ADJUSTMENT



### CAUTION

- Park the tractor on a firm, flat and level surface and set the parking brake.
- Stop the engine, remove the key, and allow the blades to stop before making adjustments.
- Wear heavy gloves or wrap end of blade with a rag when you handle blades.
- Before starting the engine, set the PTO clutch lever to off position and range gear shift lever to the neutral position.

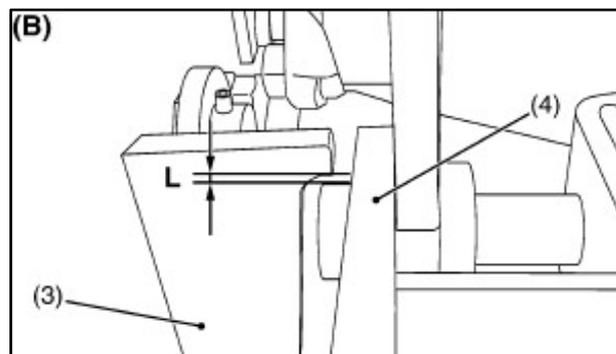
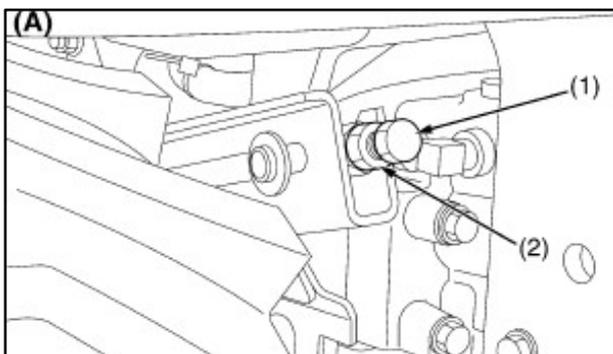
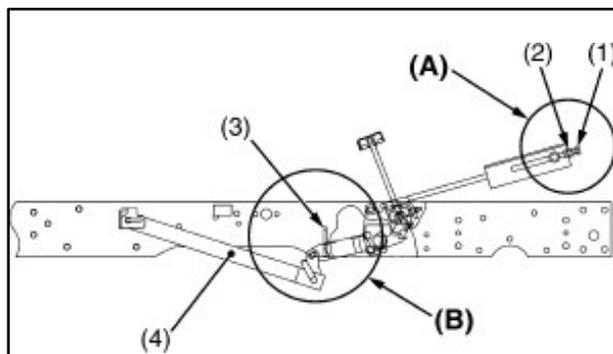
### Adjusting Mower Lin

1. Tire pressure must be correct.
2. Move the hydraulic control lever rearward to raise the mower to the highest position.
3. Stop the engine and remove the key.
4. Adjust the left side links with bolt so that the clearance L is as follows.

Clearance (L) between stopper and rear link	Factory spec.	0 to 0.5 mm 0 to 0.01 in.
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- (1) Bolt
- (2) Lock Nut
- (3) Stopper
- (4) Rear Link

**L: 0 to 0.5 mm**  
**(A) Adjustment Point**  
**(B) Check Point**





## Attaching the Mower Deck

1. Remove the bolt and cap on the tractors PTO as indicated in figure 1A.
2. With mower deck under tractor attach deck with spring pins as seen in figure 2A.
3. Attach pull bar to deck by hooking the bar in front hooks on deck figure 3A.
4. Place the front hook bar into the front pull bar hangers as indicated in figure 4A.
5. Place the front portion of the Front Pull Bar into the Front Hook bar and use a 1/2" drive ratchet to swing the Front Pull bar into position figure 5A.

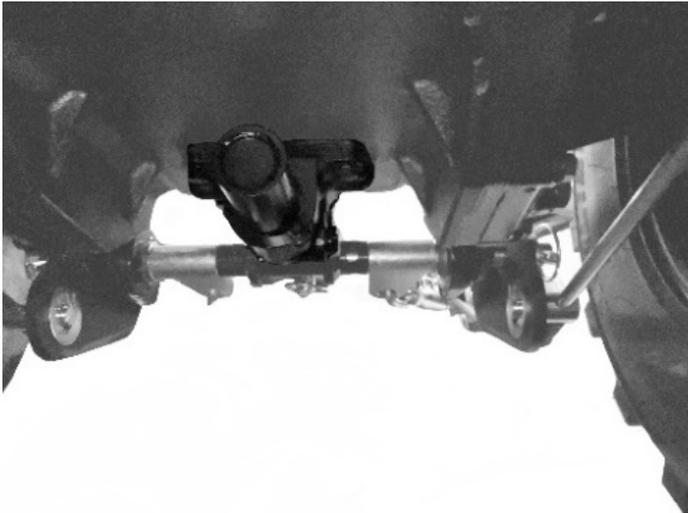


Figure 1A.



Figure 2A



Figure 3A

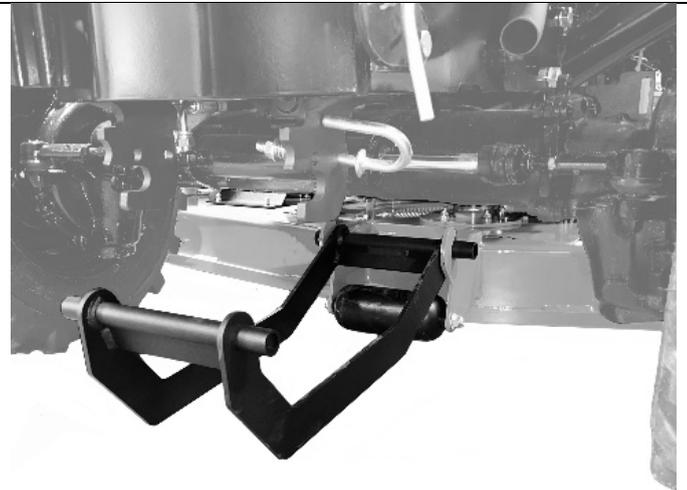


Figure 4A

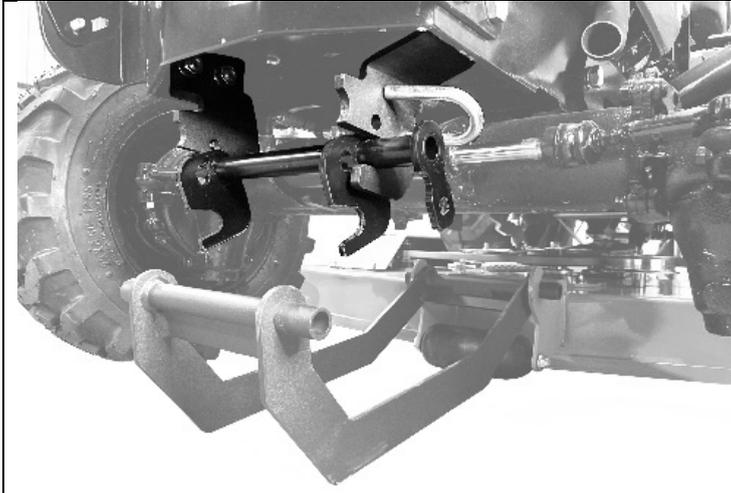


Figure 4A



Figure 5A

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# WARRANTY

## OWNER/OPERATOR'S RESPONSIBILITY

It is the owner and/or operator's responsibility to read the owner's manual before use. Failure to read the owner's manual is considered a misuse of this equipment.

It is the owner and/or operator's responsibility to inspect the product and to have any part(s) repaired or replaced before continued operation. Failure to do so could cause damage, excessive wear to other parts, or jeopardize operator safety.

## LIMITED WARRANTY

Bad Boy Cutters warrants to the original purchaser of any new Bad Boy Cutter(s) that the equipment be free from defects in material and workmanship for a period of two (2) year from date of retail sale.

At Bad Boy Cutters request, the customer will make the defective part available for inspection by Bad Boy Cutters and/or return the defective part to Bad Boy Cutters. Transportation charges prepaid.

### WHAT THIS WARRANTY DOES NOT COVER:

This warranty does not cover defects caused by depreciation or damage caused by 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.

Normal maintenance service and normal replacement items such as gearbox lubricant, worn blades, tire, or normal deterioration of exterior finish due to use or exposure.

**Bad Boy Cutters will not be responsible for the pickup and delivery of a machine for warranty purposes or inspection.**

## WARRANTY LIMITATION:

THERE IS NO OTHER EXPRESSED 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.

### **BAD BOY CUTTERS WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES AND/OR EXPENSES IN CONNECTION WITH THE PURCHASE OR USE OF THE CUTTER.**

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.

### **HOW TO OBTAIN SERVICE UNDER THIS WARRANTY:**

Warranty service can be arranged by contacting the dealer where you purchased the mower or by contacting Bad Boy Cutters at [warranty@badboycutters.com](mailto:warranty@badboycutters.com).

Proof of the date of purchase may be required to verify warranty coverage.

**B. Warranty claims will not be reviewed or paid unless the warranty registration is received by Bad Boy Cutters within 30 days of the retail purchase date.**

Record the model number, serial number and date purchased. This information will be helpful obtaining parts or service if required.

SERIAL NUMBER \_\_\_\_\_

DATE OF RETAIL SALE \_\_\_\_\_

PLACE OF PURCHASE \_\_\_\_\_



# **BAD BOY IMPLEMENTS**

**BAD BOY IMPLEMENTS  
102 INDUSTRIAL DRIVE  
BATESVILLE, AR 72501  
866-622-3269**