

OUTLAW STAND-ON MODEL

ZERO-TURN MOWER

OWNER'S, SERVICE & PARTS MANUAL

For additional information, please see us at
www.badboymowers.com

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This manual applies to the following equipment:

Bad Boy Stand-On Series

BBS 4800 48" 810cc Briggs Commercial

BBS 5400 54" 810cc Briggs Commercial

BBS 4800 48" 726cc Kawasaki FS-730V

BBS 5400 54" 726cc Kawasaki FS-730V

COMMONLY USED ITEMS AND PART NUMBERS

54" Blade	Hi-Lift Fusion 038-0001-00	Gator Blade 038-0003-00	Wave Blade 038-5220-00
48" Blade	Hi-Lift Fusion 038-4826-00	Gator Blade 038-5000-00	Wave Blade 038-4825-00
Deck Belt	54" 041-0120-00	48" 041-5200-00	
Pump Belt	041-6400-00		
KAWASAKI Oil Filter	Kawasaki 726cc 063-8017-00		
Air Filter	Kawasaki 726cc 063-2097-00		
BRIGGS Oil Filter	Briggs 810cc 063-8018-00		
Air Filter	Briggs 810cc 063-3003-00		
Motor Oil	10w30 (Reference Engine's Owner Manual)		
Hydro Oil	20w50 (2 quarts in each transaxle)		

SECTION 1: BASIC INFORMATION

Congratulations on the purchase of your new Bad Boy Mower! The purpose of this manual is to assist operators in maintaining and operating their machine. The information and instructions in this manual can help you attain years of performance from your new Bad Boy. Also, check out our website to learn more about the Bad Boy family.

- 1.1 All Bad Boy engines use 10W30 engine oil. Conventional or Synthetic may be used.
- 1.2 All Bad Boy hydraulic systems use 20W50 engine oil. Conventional or Synthetic may be used.
- 1.3 All Bad Boy Mowers use hi-temp multi-purpose grease. NLGI No. 2 for the grease fittings.
- 1.4 Outlaw models have 12 psi in both front and rear tires.
- 1.5 Most Briggs, Kohler, Kawasaki, and Vanguard engines hold approximately two (2) quarts of motor oil. Be careful not to over fill engine oil. Refer to the engine's service manual.

Warranty Registration

The Warranty Registration form must be completed and signed to validate your warranty. As the new equipment owner, you are expected to see that the form is completed and forwarded to Bad Boy, Inc., at time of delivery. Warranty is non transferable.

Model/Serial Number

Your Stand-On model serial numbers are found on the SIN plate inside podium and under the floor panel. The serial numbers are necessary on the warranty registration form. Also, these numbers can assist you in the ordering of new parts when replacements become necessary.

Parts/Service

Only Bad Boy replacement parts are to be used on your mower.

Replacement parts are available through your local Bad Boy Mower Dealer. Remember to always provide the following information when ordering parts:

1. Correct part number
2. Correct serial number

All warranty repair and service must be handled through your authorized Bad Boy Mowers dealer.

To locate the nearest dealer, go to our website and click on Locate a Dealer.

EVAPORATIVE EMISSION CONTROL WARRANTY STATEMENT

Federal Evaporative Emission Control Warranty: Your Warranty Rights and Obligations

The Environmental Protection Agency (EPA), and Bad Boy Inc. are pleased to explain the evaporative emission control system's warranty on your 2014 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 Inc. must warrant the evaporative emission control system on your equipment for two 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 two years Bad Boy Inc. 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.



SECTION 2: MOWER SAFETY GUIDELINES

Never allow untrained people 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. Do not mow around people. The factory discharge chute is designed to deflect debris downward, but it could be possible for debris to be thrown in a way that can cause damage to people or property. Seek additional training when possible to learn more about safety techniques and practices. **This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.**

GENERAL OPERATION

- 2.1 Read, understand, and follow all instructions on the machine and in the manual before starting.
- 2.2 Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- 2.3 Always remain seated while operating the machine. If the machine is equipped with Roll Over Protection (ROPs), always buckle your seat belt.
- 2.4 Only allow responsible adults who are familiar with the instructions to operate this machine.
- 2.5 Clear the area of objects such as rocks, wire, toys, etc., which could be thrown by the blades.
- 2.6 Always maintain a safe distance from people and pets just prior to, and during, operation. Stop the machine if anyone enters the area.
- 2.7 Never carry passengers.
- 2.8 Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- 2.9 Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction as material may ricochet back toward the operator. Stop the blades when crossing gravel surfaces.
- 2.10 Never operate the machine without the discharge chute, grass catcher, or other safety devices correctly in place and functioning properly.
- 2.11 Slow down before turning.
- 2.12 Always disengage blades, place steering controls in neutral, engage parking brake, and remove ignition key when leaving operators seat. Never leave a running machine unattended.
- 2.13 Disengage blades when not mowing. Shut off engine and wait for all parts to come to a complete stop before cleaning the machine, inspecting the machine for damage, removing the grass catcher, or unclogging the discharge guard.
- 2.14 Always operate machine in daylight or with adequate working lights.
- 2.15 Do not operate the machine while under the influence of alcohol or drugs.
- 2.16 Watch for traffic when operating near or crossing roadways.
- 2.17 Always wear eye protection when operating or servicing the machine.
- 2.18 Always wear ear protection, such as earplugs, while mowing.
- 2.19 Use extra care when loading or unloading the machine into a trailer or truck.
- 2.20 Be alert of surroundings. Watch for rocks, stumps, mounds, depressions, and low hanging limbs or objects that could be potentially hazardous while mowing.
- 2.21 Data indicates that operators 60 years of age and above are involved in a large percentage of riding mower related injuries. These operators should periodically evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.

SLOPE OPERATION

Slopes are a major factor related to loss of control and tip over accidents, which can result in severe injury or death. Operation on all slopes requires extra caution. If you cannot back up the slope, or you feel uneasy on it, do not mow it.

- 2.22 Mow up and down slopes, not across.
- 2.23 Watch for holes, ruts, bumps, rocks, or other hidden objects that tall grass can obscure. Uneven terrain could overturn the machine.
- 2.24 Choose a low ground speed when operating the machine on a slope.
- 2.25 Do not mow on wet grass, the tires may lose traction.
- 2.26 Do not attempt to coast down a slope in the neutral position.
- 2.27 Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly, straight down the slope.
- 2.28 Keep all movement on slopes slow and gradual. Sudden changes in speed or direction could cause the machine to roll over.
- 2.29 Use extra care while operating machine with grass catchers or other attachments: they can affect the stability of the machine. Do not use on steep slopes.
- 2.30 Do not try to stabilize the machine by putting your foot on the ground.
- 2.31 Do not mow near drop offs, ditches or embankments. The machine could suddenly roll over if a wheel goes over the edge or the edge caves in.
- 2.32 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 mowing activity. NEVER assume that children will remain where you last saw them.

- 2.33 Keep children out of the mowing area and in the watchful care of a responsible adult other than the operator.**
- 2.34 Maintain alertness and turn machine off if a child enters the area.**
- 2.35 Before and while backing, look behind and down for small children.**
- 2.36 Never carry children, even with the blades shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.**
- 2.37 Never allow children to operate the machine.**
- 2.38 Never leave key in the ignition, especially around children.**
- 2.39 Use extreme care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.**

TOWING

- 2.40 Tow only with a machine that has a hitch specifically designed for towing. Do not attach towed equipment except at the hitch point.
- 2.41 Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.
- 2.42 Never allow children or others in or on towed equipment.
- 2.43 On slopes, the weight of the towed equipment may cause loss of traction and loss of control.
- 2.44 Travel slowly and allow extra distance to stop.



SERVICE:

SAFE HANDLING OF GASOLINE

To avoid personal injury or property damage, use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.

- 2.45 Extinguish all cigarettes, cigars, pipes, and all other sources of ignition.
- 2.46 Use only an approved gasoline container.
- 2.47 Never remove gas cap or add fuel with the engine running.
- 2.48 Allow engine to cool before refueling.
- 2.49 Never fuel the machine indoors.
- 2.50 Do not store machine near open flame or source of ignition, such as a water heater or furnace.
- 2.51 Remove gas powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a gasoline dispenser nozzle.
- 2.52 Never fill gasoline containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before filling.
- 2.53 Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- 2.54 If fuel is spilled on clothing, change clothing immediately.
- 2.55 Never overfill fuel tank. Replace gas cap and tighten securely.

GENERAL SERVICE

- 2.56 Never operate machine in a closed area where dangerous carbon monoxide fumes can collect.
- 2.57 Keep all nuts and bolts tight to be sure the equipment is in safe working condition. Never operate a poorly maintained machine.
- 2.58 Do not touch hot areas of the machine.
- 2.59 Never interfere with the intended function of a safety device or reduce the protection provided by a safety device. Check their proper operation regularly.
- 2.60 Keep the entire machine free of grass, leaves, or other debris build up. Clean up oil or fuel spillage and remove any fuel soaked debris. 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.
- 2.61 Allow machine to cool before storing.
- 2.62 If you strike something with the mower, turn the mower and blades off, engage the parking brake, and inspect the machine for damage. Repair, if necessary, before resuming.
- 2.63 Never make any adjustments or repairs with the engine running.
- 2.64 Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary.
- 2.65 Mower blades are sharp. Wrap the blade or wear gloves before servicing them.
- 2.66 Check parking brake operation frequently. Adjust and service as required.
- 2.67 Maintain or replace safety and instruction labels, as necessary.
- 2.68 Do not attempt to mount a tire without the proper equipment and experience to perform the job.

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- 2.69 Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.
 - 2.70 Park machine on level ground. Never allow untrained personnel to service machine. Understand service procedure before doing work.

SAFETY INTERLOCK SYSTEM

Your Bad Boy mower is equipped with a safety interlock system. This system is designed to prevent serious injury or death to the operator and other people or property damage. The system consists of an operator presence switch in the seat, the parking brake, drive lever neutral position, the mower blade engagement switch, and the ignition switch.

These interlocks are vitally important and must be tested frequently. Following are instructions to test these very important safety precautions. **Note: the operator must be seated properly on the machine during these tests and the engine should have been previously allowed to warm to operating temperature.**

- 2.71 With the parking brake engaged, bring lever arms to their inward position, then attempt to start the machine (the blade actuator should be in off position); the engine should not start.
- 2.72 On a level surface, disengage the parking brake and place lever arms to their outward position, then attempt to start the machine (the blade actuator should be in off position); the engine should not start.
- 2.73 Engage parking brake and leave lever arms in outward position, put blade actuator in the on position, then attempt to start the machine; the engine should not start.
- 2.74 Next, start the engine as stated in the "Mower Operation Section", disengage parking brake, and Very Slowly begin to rise from the seat; the engine should stop.

If any of these tests fail to produce the results indicated and the problem cannot be identified, contact your Bad Boy Mower dealer or the support contacts in the rear of this manual.

ROLL OVER PROTECTION STRUCTURES (ROPS)

If your machine is equipped with ROPS, it is of utmost importance they are used properly. ROPS, when used correctly, dramatically decrease the fatality rate in instances when the machine overturns.

- 2.75 Periodically ensure the bolts that attach the ROPS to the machine are securely fastened.
- 2.76 Always operated the machine with the ROPS secured in the upright position.
- 2.77 If the surrounding environment (e.g. low lying limbs, signage, etc.) makes it impossible to mow with the ROPS upright, lower the ROPS at the hinge point, mow the area, then immediately secure the ROPS upright.
- 2.78 Upright ROPS are taller than then operators head. Be aware of this and your surrounding environment, as referenced above. The mower and operator may clear low lying items, but the ROPS may not.
- 2.79 Always wear the provided seat belt when ROPS are utilized. Failure to use the seat belt severely handicaps the safety benefits of the ROPS.
- 2.80 In the event of a roll-over, replace the ROPS before resuming use of the machine.



SECTION 3: MOWER OPERATION

Never operate the machine with faulty equipment. Always be alert of sudden changes in landscape, as the mower will react differently on slopes or embankments than it will on flat surfaces. Never operate the mower with the discharge chute open. Do not cross terrain, other than grass, with blades turning. This could cause damage to property or bystanders.

- 3.1 Place parking brake in up position
- 3.2 Drive arms must be in the “open” position. While sitting on the machine, each arm is positioned away from the operator, to the right and left. Drive arms will lock into place and must be in this position to start machine.
- 3.3 Put PTO switch in the OFF position.
- 3.4 If your machine has been equipped with a ROPS (Roll Over Protection System) then you must fasten seatbelt.
- 3.5 If machine has not been started recently, engage the choke.
- 3.6 Make sure nothing is under or around machine.
- 3.7 Place key in ignition and turn.
- 3.8 Once machine is started, disengage the choke.
- 3.9 Increase RPM by sliding the throttle to fast position, toward the rabbit.
- 3.10 Owners must become familiar with the controls before operating a zero-turn radius vehicle.
- 3.11 Start slowly and build your skill level. Have ample practice before using the machine at full capabilities.
- 3.12 Be comfortable with machine before engaging blades. Know what each component controls before using machine.
- 3.13 Your mower will perform differently on an incline /decline. Be cautious, slow down, and do not make any sudden jerking movements with control arms. The machine could lose traction on a decline or tip backwards on an incline.
- 3.14 Once you become comfortable with your Bad Boy Mower you will notice your overall mowing time will decrease.

***Avoid operating your mower on side hills of over 5 degrees,
inclines of over 10 degrees,
and declines of over 15 degrees.***

SECTION 4: MOWER MAINTENANCE

***Check each and provide maintenance when needed.*

DAILY

- 4.1 Check Engine Oil
- 4.2 Check Engine Air Filter
- 4.3 Tire Pressure
- 4.4 Inspect Blades

Within FIRST five hours of usage, change engine oil and filter

EVERY 30 HOURS OF USAGE

- 4.5 Grease Machine

EVERY 50 HOURS OF USAGE

- 4.6 Change Engine Oil and Filters

Check filters once a year if under 50 hours

Check air and fuel filters more often in dry, dusty conditions

Within FIRST 50 hours of usage, change hydraulic oil and filters

EVERY 250 HOURS OF USAGE

- 4.7 Change Hydraulic Fluid and Filters
- 4.8 Refer to manufacturer manual for specific information on maintenance schedules.

SECTION 5: MOWER STORAGE & TRANSPORTATION

- 5.1 Keep machine from collecting debris by storing in a covered area while not in use.
- 5.2 Fuel can harm your machine if left for more than 30 days without changing, especially if the fuel contains ethanol. Never use fuel with more than 10% ethanol by volume. E-15 is not permitted.
- 5.3 Disconnect the negative battery cable when machine will be stored for more than 30 days.
- 5.4 Always secure machine properly when transporting machine.
- 5.5 Do not load machine on trailer with blades engaged.
- 5.6 Do not use ramps to load the machine.
- 5.7 Make sure Parking Brake is in “up” position.
- 5.8 In wet conditions tires may spin while loading / unloading. If necessary, wait for dry conditions before loading / unloading.
- 5.9 Make sure mode of transportation is suitable to bear the weight of mower.
- 5.10 Deck height should be set at maximum before attempting to load.
- 5.11 Secure mower with at least two straps capable of securing weight of mower.



SECTION 6: TROUBLESHOOTING

6.1 **Q:** *How do I prevent an uneven cutting pattern and increase the quality of cut?*

6.1 **A:** Check tire pressure, check blade sharpness (replace blades or sharpen at least once per year or when needed), make sure blades are tightened properly, check spring and belt tension, check the underside of the deck to ensure the mower deck is free of grass build-up and debris, make sure your machine is at full throttle, and vary your mowing pattern each time you cut your grass.

6.2 **Q:** *What should I do if my mower won't start?*

6.2 **A:** Check battery charge and connection (grounds), check your fuel (make sure fuel is less than 30 days old and contains no water), make sure your spark plug is in good condition and spark plug wire is attached, and make sure air filter is clean (a dirty filter makes it more difficult for the engine to draw air). Check for broken wires or bad connections.

6.3 **Q:** *What should I do if the blades won't engage?*

6.3 **A:** Make sure the safety switch is plugged in on the bottom of seat. Check the underside of the PTO engager to ensure the plug is secure at switch. Also check PTO fuse underneath operator console (10amps)

6.4 **Q:** *What type of fuel is recommended for my mower?*

6.4 **A:** We recommend that you use a name brand fuel to ensure quality. Use fuel with an octane rating near 87. Higher octane fuels offer no benefit. Only fuels with an ethanol content of 10% or less may be used. E-15 is not permitted.

6.5 **Q:** *Do you offer touch-up paint for your mowers?*

6.5 **A:** Touch-up paint is available. Contact your local dealer for more information.

6.6 **Q:** *How durable is the electric deck lift?*

6.6 **A:** The actuator which controls the deck height is designed for moving loads of up to 1000 pounds and has a static holding capability which exceeds 3,000 pounds. Our 1/4" deck weighs approximately 250 pounds which is only 25% of working capability. If deck lift will not operate, check fuse located underneath operator console (15amp).

SECTION 7: CONTROLS

- 7.1 **Ignition Switch**—Bad Boy Mowers have a three position ignition switch: off, run, and start. With key inserted, rotate it clockwise to START position and release key when engine starts, and switch will automatically return to the RUN position.
- 7.2 **Throttle Control**—A cable is connected to the engine throttle for controlling engine speed. Move lever forward to increase engine rpm, move lever backward to decrease engine rpm.
- 7.3 **Choke Control**—A cable is linked to manually operate the engine choke. When the lever is in the down position, the choke is in the off (run) position. When the lever is pulled up, the choke is in the on (start) position. Do not operate the machine in the on (start) position. The choke lever is on the driver's left side, next to the seat.
- 7.4 **Control Levers**—These levers control the mower's speed, direction, and neutral lock. These levers are used to steer, accelerate, decelerate and change direction. (Drive Arms)
- 7.5 **Blade Engage Switch**—This switch engages the blades. Pull the switch up to engage the blades and push the switch down to disengage the blades.
- 7.6 **Deck Lift Control**—The deck lift switch is used to raise and lower the deck. Pull the switch backwards to raise the deck and push the switch forward to lower the deck.





SECTION 8: MOVING INOPERABLE MOWER

- 8.1 Do not tow machine. Use a winch to load on a trailer for transporting.
- 8.2 **ATTENTION:** RETURN BYPASS VALVES TO OPERATING POSITION BEFORE RUNNING MOWER FOLLOWING REPAIRS.
- 8.3 Stand-On Models are equipped with two neutral engage/disengage arms, located at the rear of the mowing deck protruding from the front of the transaxles. By pushing the arms in the mower can be put in a neutral position. Return the arms to the “forward position for normal operation.



- 8.4 Your Bad Boy Mower Weighs: **OUTLAW STAND-ON: 897 lbs**

**** Weights fluctuate with the addition of accessories.*

- 8.5 As you can see by the weights of the machines, you shouldn't ever try to push or pull a Bad Boy Mower by hand. This could cause serious bodily injury.
- 8.6 Hopefully, you'll never need to use this section of the manual. However, if you do, use extreme caution when moving machine!

SECTION 9: INSTRUMENTATION

- 9.1 **Electronic Hour Meter**—Registers Hour increments up to 9,999.9 total hours. This meter records the cumulative time the engine is running.

SECTION 10: MOWER BLADE MAINTENANCE

- 10.1 Check mower blades after each use. This is essential for maintaining well-groomed turf. Keep the blades sharp. If a dull blade is used for cutting, the grass will tear rather than cut. This could damage the grass leaving a brown frayed top on the grass within a few hours. A dull blade will also require more power from the engine.
- 10.2 NEVER attempt to straighten a bent blade by heating. NEVER attempt to weld a cracked blade. The blades can break and cause serious injury or death.
- 10.3 NEVER work with blades while engine is running or deck clutch is engaged.
- 10.4 ALWAYS place deck clutch in DISENGAGE position while performing maintenance.
- 10.5 Use blocks when you MUST work under mower.
- 10.6 ALWAYS wear thick gloves when handling blades.
- 10.7 ALWAYS check for blade damage if mower strikes rock, branch, or other objects that could potentially damage the blade.

***(REMEMBER: NEVER CHECK BLADE WHILE ENGINE IS ON!
NEVER CHECK BLADES WHILE BLADES ARE ENGAGED!)***

SECTION 11: GREASING THE BEARINGS

- 11.1 Park the machine on a level surface and disengage the blade control switch.
- 11.2 Move the motion control levers outward to the neutral position, engage parking brake, stop the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
- 11.3 Grease Type: NGLI grade #2 multi-purpose gun grease. Grease the front caster pivots.
- 11.4 Clean the grease fittings with a cloth. Scrape any paint off the front of the fitting(s).
- 11.5 Connect a grease gun to each fitting. Pump grease in fittings until grease begins to seep out of the bearings. Wipe up excess grease.
- 11.6 Refer to service manual section for grease fitting locations.



HOW TO CHOOSE THE RIGHT BLADE

Essentially there are only TWO basic styles of mowing blades used or approved for use on our current products:

- 1) The standard style of mowing blade is essentially designed for cutting grass and effectively discharging the clippings out from the deck to fall onto the lawn or to be captured in a grass collection system. Standard blades are also referred to as “2-in-1” (discharging & bagging) or “high-lift” blades (because they are designed to create a higher-lifting airflow).
- 2) Mulching blades generally have a more curved style surface and frequently include extra cutting surfaces along the blade edges. These blades may also come in a “+” design (which is actually two individual blades arranged in a perpendicular fashion to enhance mulching). The “+” blades are usually found on older style mowers; newer ones utilize blades with more advanced mulching technology. Mulching blades may also be referred to as “3-in-1” (mulching, discharging & bagging) or “all-purpose” blades.

Bear in mind that the re-circulating airflow design of 3/1 blades makes them less efficient at discharging grass clippings than a standard 2/1 blade. As with most all-purpose tools, there is some give and take as opposed to using a tool designed for a more specific purpose.

If you’re experiencing less-than-desired cutting or discharging performance with a 3/1 blade, you may want to check into using a 2/1 blade. Conversely, if you’re using a 2/1 blade and want to mulch clippings, you should see about the availability of mulching blades or a mulching kit.*

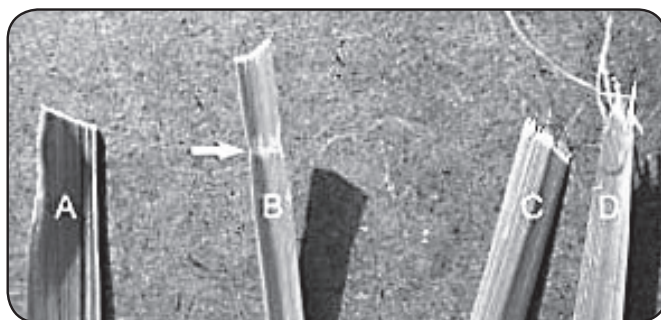
The type of blade installed on a new mower is a decision the retailer makes for each model of mower, based on the expected needs of most customers. If you’re unsure of which blade is on a particular model, inspect the blade. Blades have part numbers stamped into them. Then compare these part numbers with the unit’s Operator’s Manual or Parts List.

It is true there are many other styles of blades available. But since we don’t manufacture or recommend using these other aftermarket styles, we will leave them out of this discussion. Should you want more information on special application or aftermarket blades, you should contact the companies that make these products. NOTE: Customers using non-OEM blades do so at their own risk. The use of unapproved (non-OEM) blades may void any or all of the mower and engine factory warranties.

* **MULCHING KITS** – These generally consist of mulching blades and a mulching plug (which closes off the discharge opening to keep the clippings contained under the deck for re-cutting) plus any necessary hardware for installation. Please check with your parts distributor regarding the contents of a particular mulching kit.

MOWING TIPS:

- Mow header strips at the ends of the lawn and around flower beds first. Make them wide enough that you can turn the mower around in the already mown section. Then mow back and forth between these header strips overlapping each lap by about 1/8 the width of the mower's deck.
- Don't cut your grass too short, particular for cool season grasses. Higher heights usually provide for a deeper root system, looks better, and is less likely to have weeds invading, particularly crabgrass.
- Don't remove any more than one third of the grass leaf at any one cutting. If circumstances arise that a lawn gets too tall and you just have to lop off a bunch to get caught up, bite the bullet and break it down into several mowings to get caught up with 3 or so days between cuttings.
- **NEVER SCALP YOUR LAWN.** Scalping severely damages the root system to such a degree that it may die.
- Avoid mowing when the grass is wet or when it's dark
- Avoid throwing grass clippings into the street and driveway where they can be washed into the sewer system. After mowing, clean up driveway and walkways.
- When mowing remove only a third with each cutting (except for the first mowing of the season when it's ok to remove more). You can safely leave clippings that will quickly decompose and add nutrients back into the soil. Contrary to popular opinion, grass clippings do not add to thatch buildup. Grass blades are made up of about 75% water.
- Mow your lawn in a different direction with each mowing, especially with lawns of shorter grass types. Altering the direction ensures a more even cut since grass blades will grow more erect and less likely to develop into a set pattern.
- Keep your mower's blade sharp, which means having it sharpened several times during the mowing season. Keep several blades around so you'll always have a sharp one on hand. Sharp blades cut the grass cleanly and help mulch clippings into small pieces which break down quickly.
- Don't forget to change your mower's oil at least once during the mowing season. For brand new mowers, change the oil after about 5 hours of operation during the initial break-in period.
- At the end of the mowing season use a fuel stabilizer in the remaining gasoline
- In the spring, don't use that old gas unless you properly used a fuel stabilizer, it can cause a number of problems. Better to use fresh gasoline to begin the new mowing season.
- **Leaf blade A** demonstrates what a leaf blade should look like after mowing with a sharp blade.
- **Leaf blade B** demonstrates a leaf blade that was injured by a dull mower blade.
- **Leaf blade C** was cut by the mower but indicates that the mower blade is not sharp enough. The shredded white tissue protruding from the leaf blades C and D is the vascular tissue of the plant.
- **Leaf blade D** has been mown for quite some time with a dull mower blade.



To bag or mulch?

Grass clippings do not contribute to thatch buildup or increase the chances of disease. If you mow your lawn at the right height, without removing any more than 1/3 of it's total height, clippings will quickly breakdown without a trace. These clippings contribute additional nitrogen and other nutrients to the soil and supply it with additional organic materials. Clippings from a 1000 sq. ft. lawn can add as much as 1 - 2 pounds of nitrogen back into the soil.

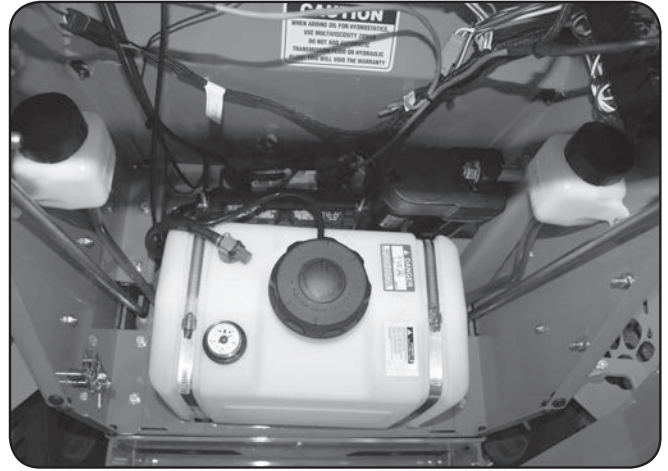
If you have a compost pile, then you may want to bag your clippings occasionally to add much needed green-matter to the compost pile. Make sure it is mixed thoroughly with brown matter to avoid a strong ammonia odor. **DO NOT COMPOST CLIPPINGS** after applying any weed control or weed-feed type product. Before adding clippings to the compost pile wait at least 3 mowings after these products have been applied.



SERVICE SECTION

SECTION 1: HYDROSTATIC SYSTEM

The hydro overflow tank on the Stand-On model is located inside cabinet (one on each side). Notice the “full cold” line at the bottom of the tank. Use only 20w50 motor oil in this tank. Conventional or synthetic oil may be used.



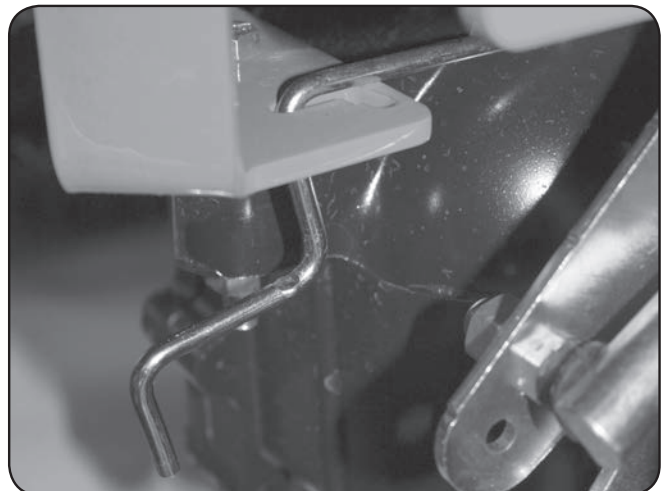
When servicing a mower with a sealed transaxle unit, start by removing the filter skid plate on the bottom of each unit. The skid is held on by three 10mm bolts. Next, remove the filter. The filter also serves as the oil drain. Each transaxle holds about 2 quarts of hydro oil.



Reinstall new filters and skid plates. Use only hydro-gear filters. Use of any other type of filter will result in damage to the hydro system and void the warranty. Transaxle service recommended within the first 50 hours of usage and every 250 hours thereafter or once a year.

The check plug is located at the top center of the inside case of each transaxle. The transaxle can be filled with oil by removing these check plugs from both transaxles and pouring the oil in the hydro overflow tank, located behind the seat. Oil will begin to run out of the check plug holes when the transaxles are full. Use only 20w50 motor oil in the hydro system.

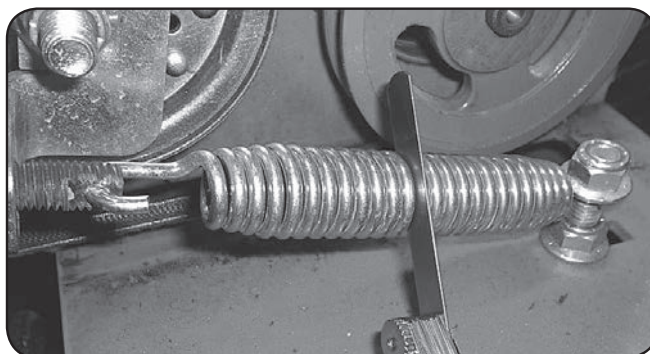
Once the system is filled with oil, lift rear of mower until rear tires are off the ground. Start engine, release parking brake, stay clear of moving rear tires. Next, push the neutral bypass levers, move the drive arms forward and backward 4 to 6 times slowly. This relieves any air that may be trapped in the system. It may be necessary to add more oil to the hydro overflow tank after 10-15 minutes of running. These bypass levers also serve as a neutral for moving the mower without the engine running.



SECTION 2: DRIVE BELT

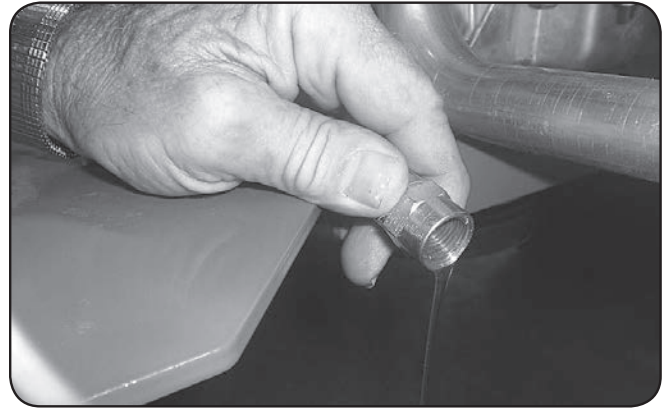
Shown on the right is a typical pump belt tensioner for your model mower.

Tightening the two $\frac{3}{4}$ " jam nuts on the right side will increase the belt tension on all models. Factory setting is about .030" (about the thickness of a credit card) between coils as shown.

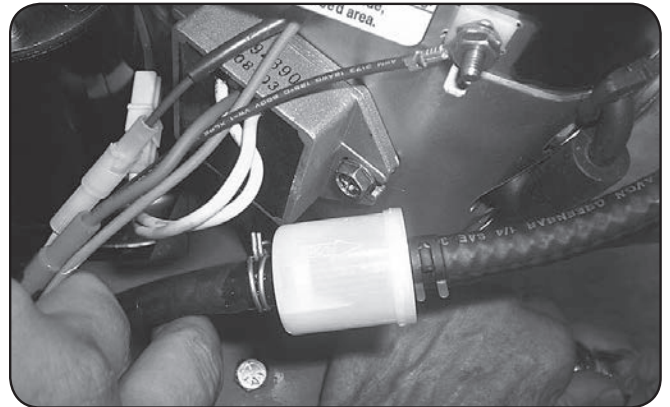


SECTION 3: ENGINE

Most models have a drain hose installed on the engine, for easier oil changes. All gas engines used by Bad Boy use 10w30 and have an oil capacity of 2 quarts. Bad Boy recommends that the oil and filter be changed every 50 hours of usage.



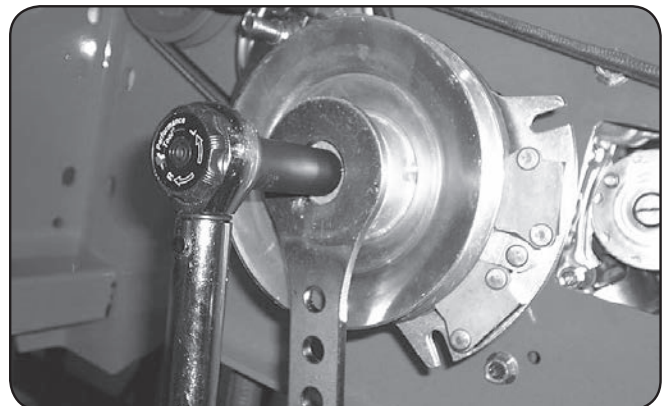
The fuel filter is located in the fuel line about 12" from the carburetor on the side of the engine. Note the direction of flow on the side of the filter. Replace once a year.



Remove and inspect air cleaner weekly. (More often in dusty conditions). Do not blow filter out with air pressure, this will cause the filter to be filled with tiny holes that will allow dirt to enter. Instead, tap filter on side to remove any debris. Replace at least once a year, more often in dusty conditions

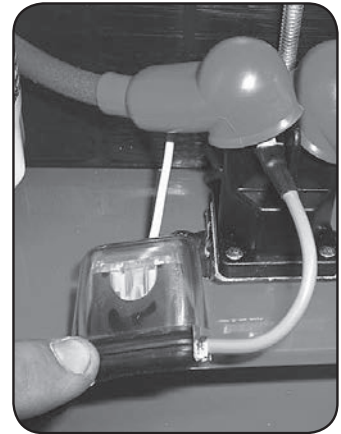
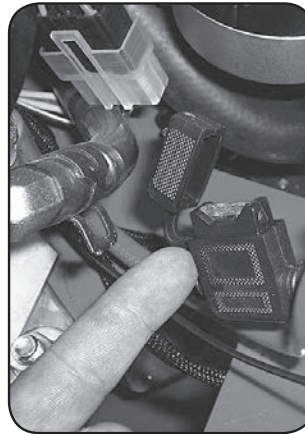


Torque the clutch bolt to 50 ft. lbs. on all models.
Re-torque at every oil change.
(All Models)



SECTION 4: ELECTRICAL SYSTEM

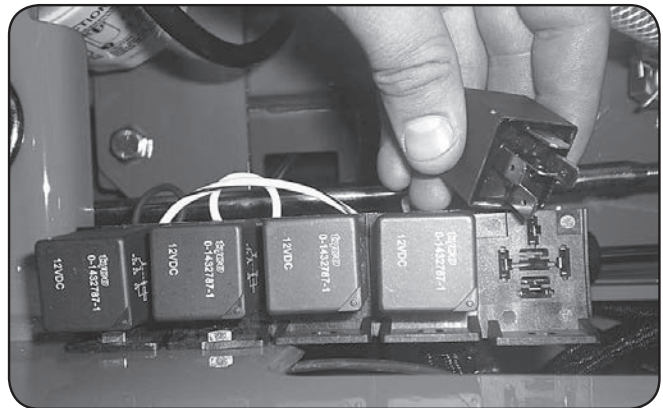
On most larger commercial engines (27 hp and up), the 25 amp main fuse is located about 3" from the starter on the engine. (shown in first image on right). On smaller commercial and light duty commercial mowers, the 25 amp main fuse is located just behind the battery connected to the starter solenoid. (Shown in second image on right).



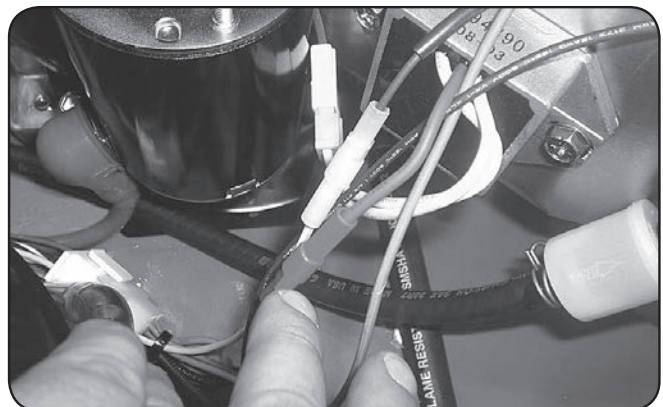
Always check the condition of the wiring harness ground cable. Ensure that the ground is connected, clean, and tight. On some models, this wire may be connected to the negative side of the battery.



Check the condition and connection of the relays located under the seat. Ensure that they are clean and connected. Make sure that wire terminal ends have not been pushed out of the relay block.



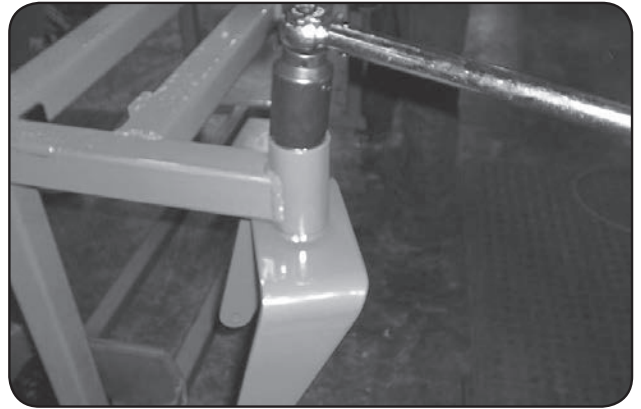
On most models, the red wire coming out of the engine is the charging wire from the alternator. Check for 13.6—14.2 volts DC at this wire with engine at full throttle.





SECTION 5: FRAME

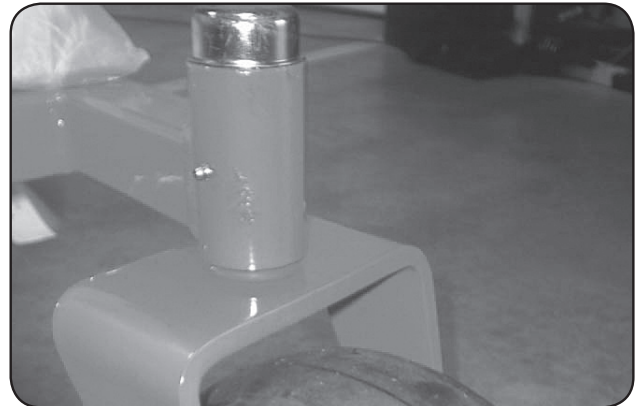
For non-suspension models, torque front fork nut to 40 ft.lbs. Be sure to spin the fork while torquing the nut to ensure that no bearing damage is done.



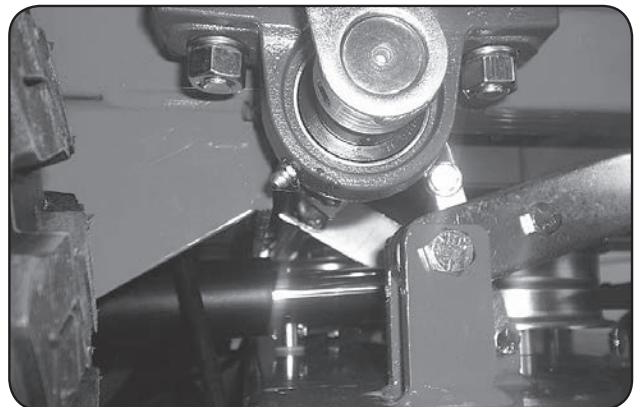
Torque rear wheel lugs to 65-75 ft.lbs.
Re-torque at every oil change.



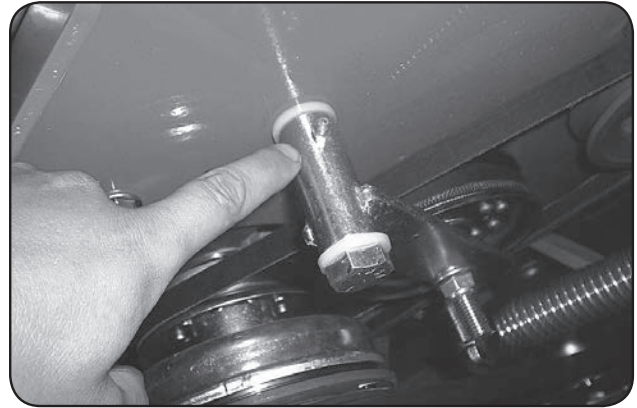
There is one grease fitting in each front wheel and one in each front caster bearing housing. Grease at every engine oil change.



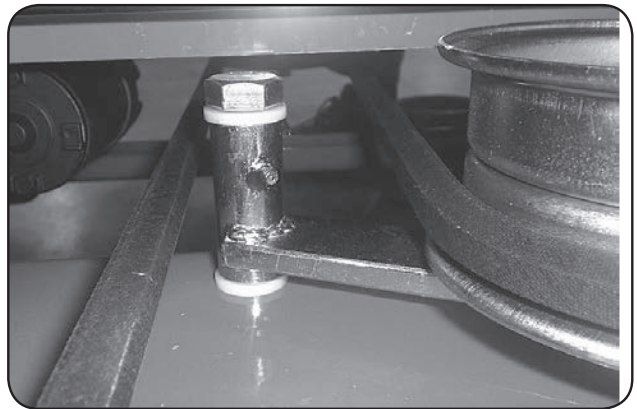
There is one grease fitting on each of the actuator bar pillow blocks located on top of the frame. Grease twice a season.



The pump belt tensioner is located under the engine and has a grease fitting at its pivot point. Grease at every engine oil change.



The deck belt tensioner is located at the rear of the deck and has a grease fitting on its pivot point. Grease at every engine oil change.

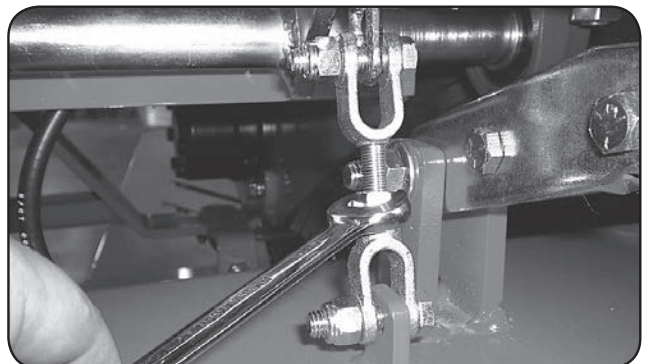


SECTION 6: CUTTING DECK

To remove the deck belt, lift up on the belt while rotating the pulley to roll the belt up and off of the pulley. (be sure not to get your fingers between belt and pulley).

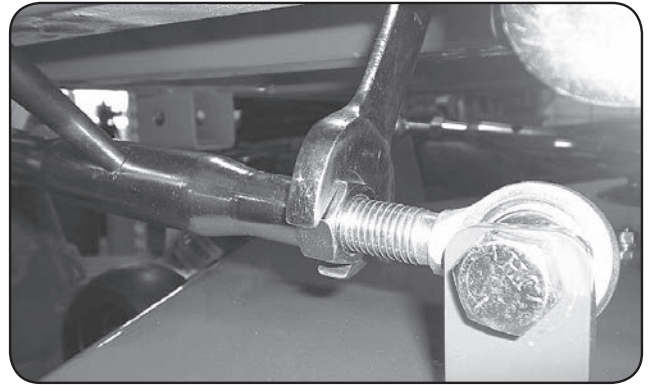
To check the level of the deck, start on a flat surface and set the air pressure in all four tires. Raise the deck up, and measure all four corners of the deck to see if it is level from left to right and front to back. All decks should be level from left to right and have a 1/8" pitch down in the front.

If deck adjustments are necessary, start with the chain length adjusters. These adjusters affect the overall height of the deck and the level from left to right.

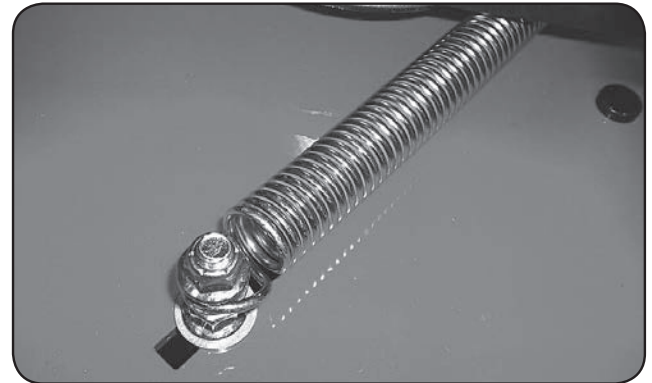




The large turn buckles on the front of the deck only affect the pitch of the deck or the level from front to back.



The deck spring tension is critical. If the tension is too much, it will cause the spring to break. If too loose, the belt can jump off or slip on the pulleys and cause a cut quality issue. With the deck up, the spring coil gap should be about .025" - .030" (about the thickness of a credit card). Spring tension adjustments can be made by sliding the bolt shown above forward or backward in the slot of the deck.

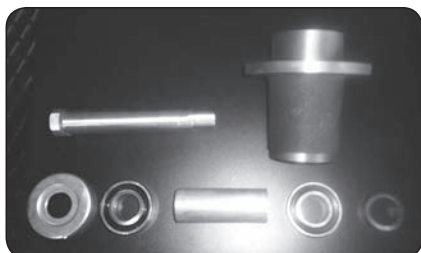


The condition of the blades can drastically affect the cut quality of the mower deck. Replace as necessary. These blades were used considerably too long. Resharpening is recommended by professionals only to determine when the blade needs to be replaced and because of the need for rebalancing.



To change blades, it may be easier to use a piece of wood to keep the blade from turning so that the bolt can be loosened.

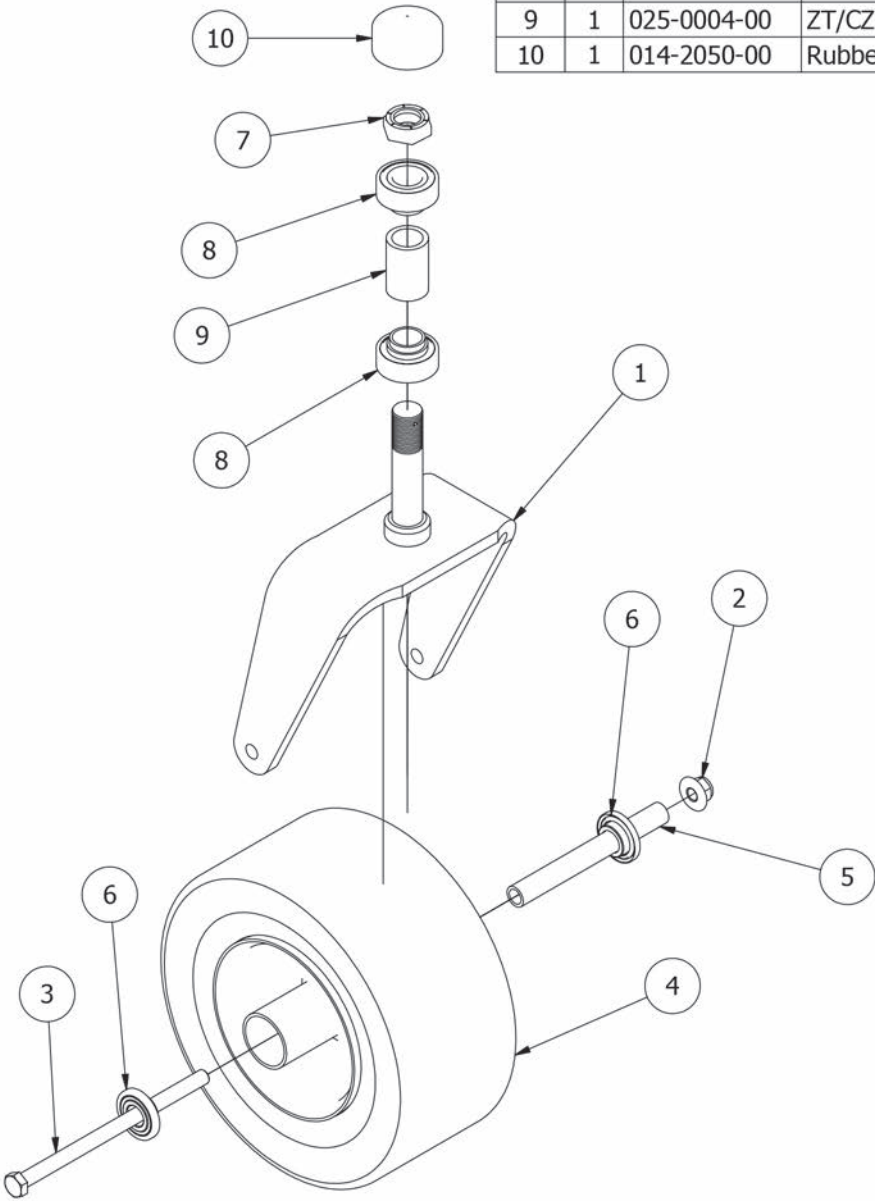
Bolts used have standard threads. Re-torque the blade bolts to 90-110 lbs. The blade spindles contain a sealed ball bearing in the top and bottom of the spindle. The bearings are replaceable for a more cost effective repair.



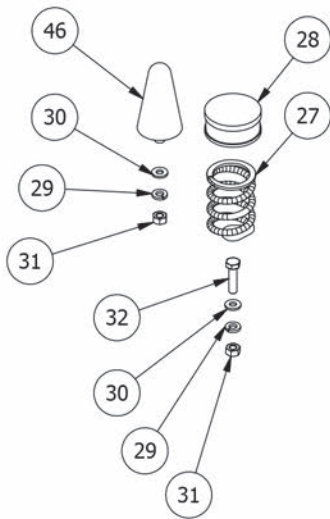
PARTS SECTION

Stand On Front Fork Assembly

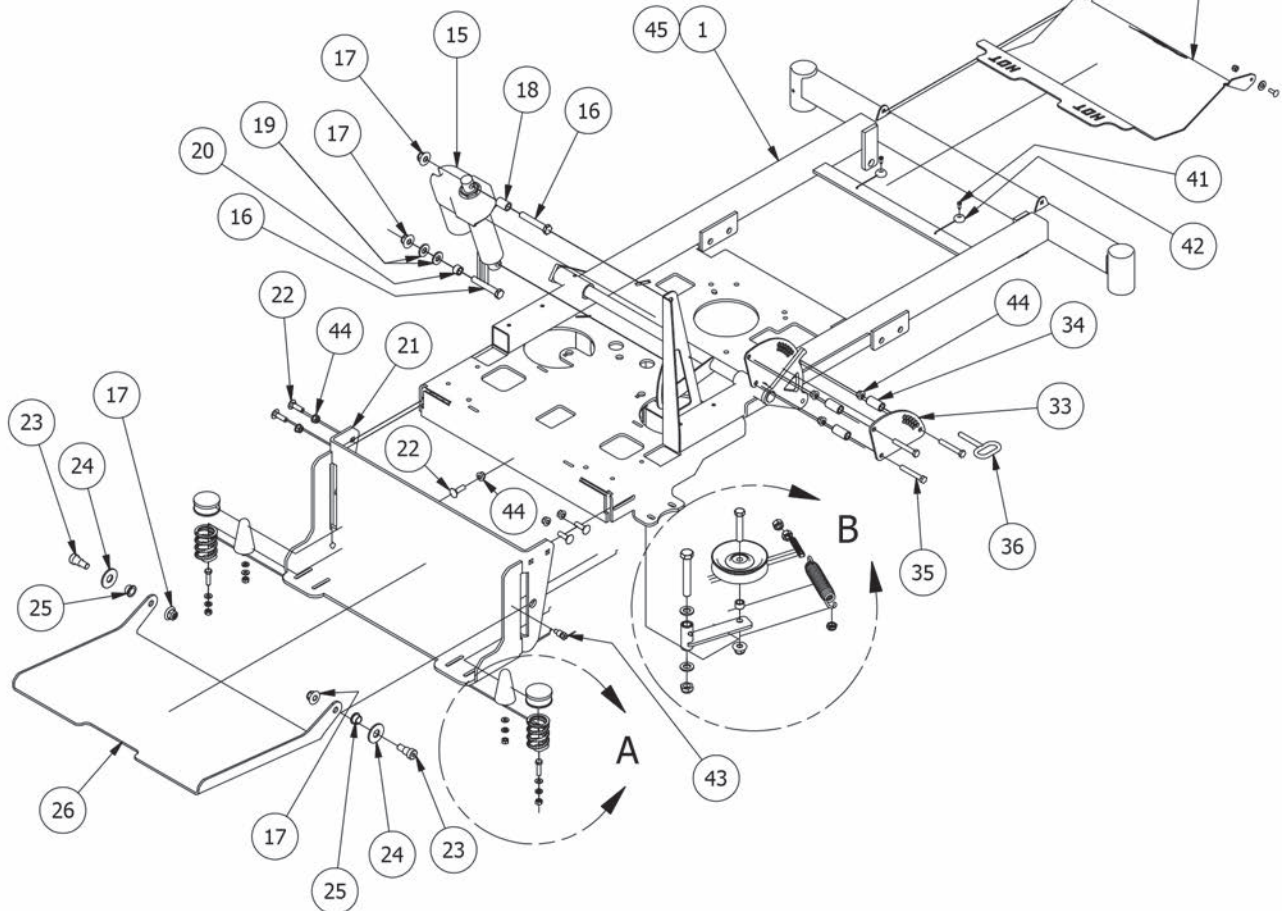
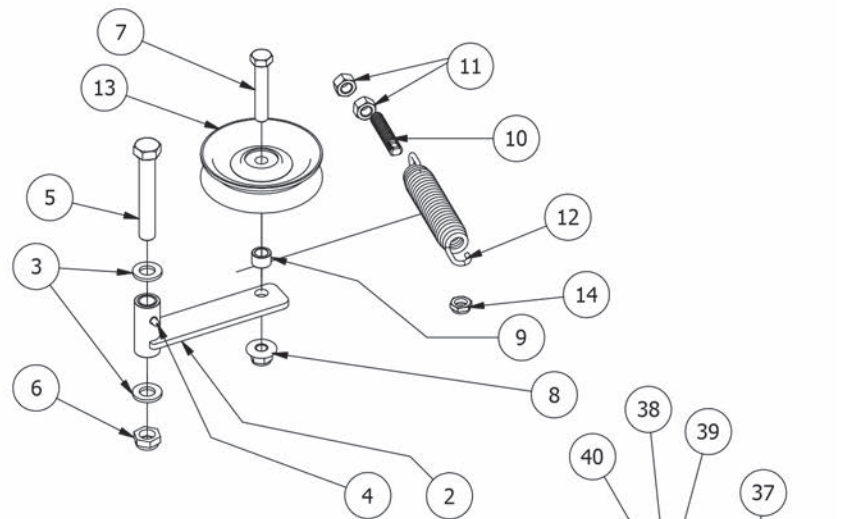
Front Fork Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	023-7913-00	Front Fork
2	1	013-8050-00	1/2-13 Nylon Flange Nut-Orange
3	1	018-7010-00	1/2" x 9" Bolt
4	1	022-2006-00	Tire and wheel assembly
5	1	025-5202-00	Front Wheel Spanner
6	2	022-7009-00	Wheel Bearing
7	1	013-9004-00	1" Fine Thread Nut
8	2	010-2000-00	Caster Bearing -MZ, 2009 & up
9	1	025-0004-00	ZT/CZT Caster Bearing Spacer
10	1	014-2050-00	Rubber Bearing Cap



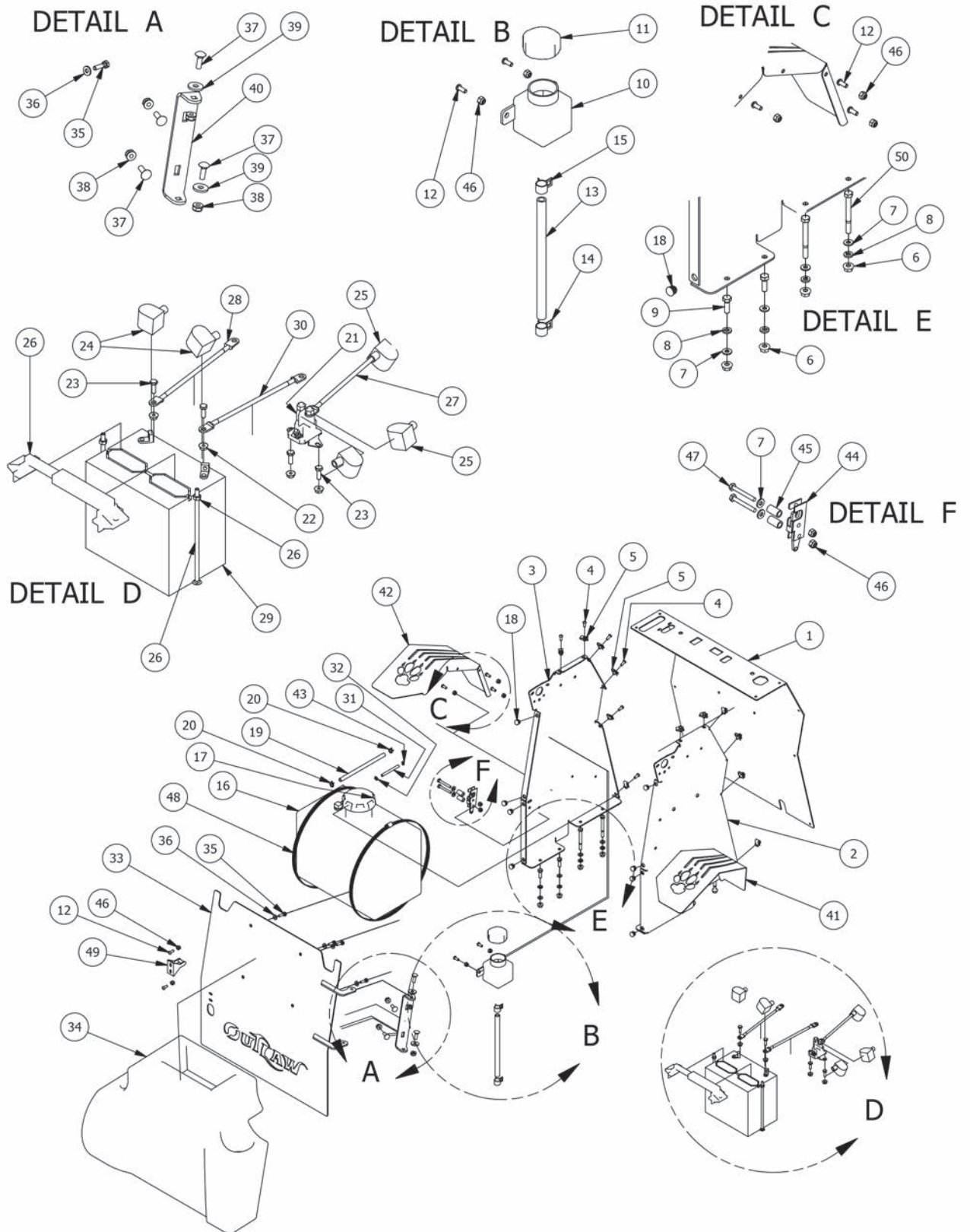
DETAIL A



DETAIL B

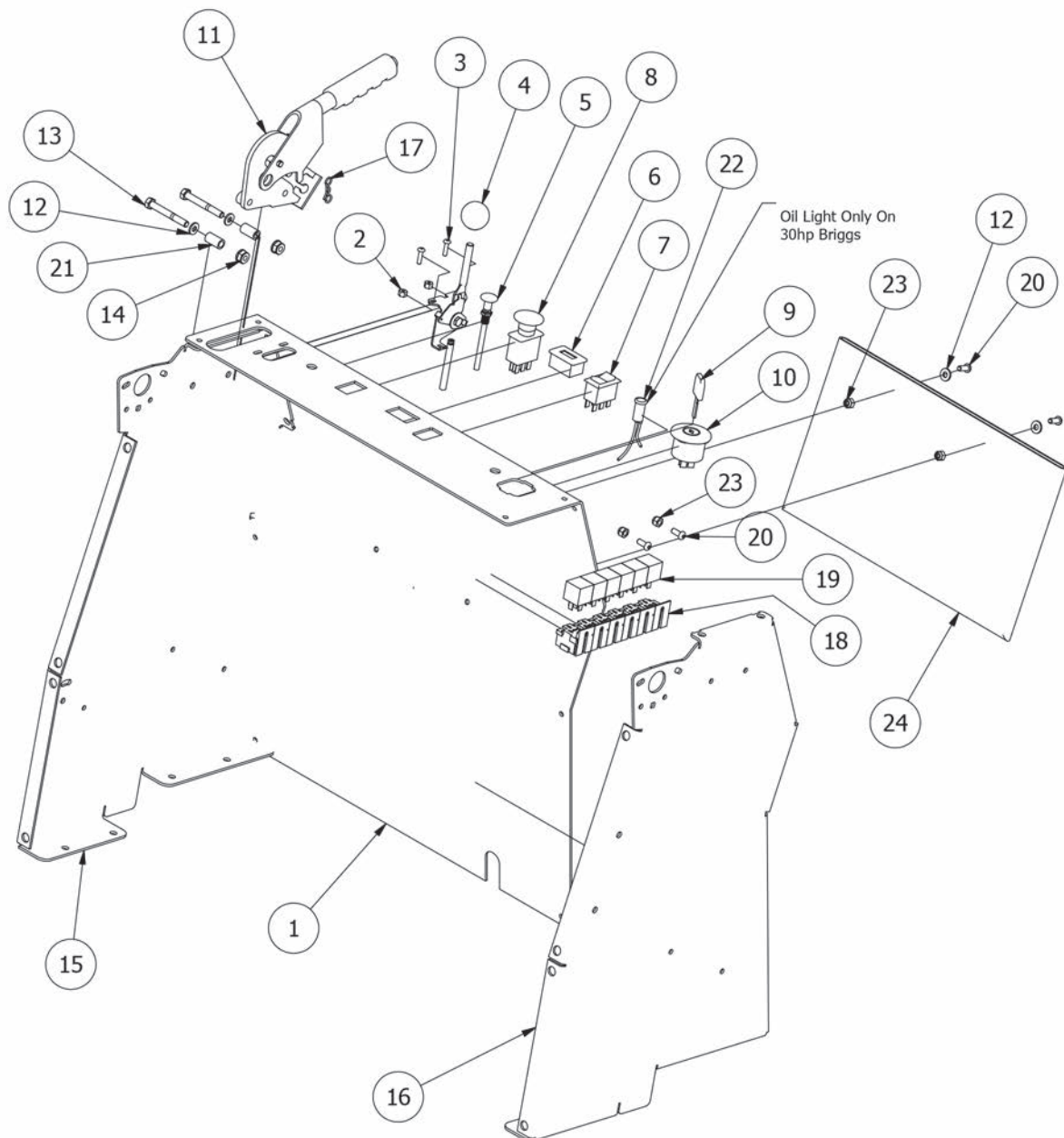


Stand On Actuator, Pump Idler, back plate, and height indicator Assemblies			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	070-5200-00	Stand On Frame 2012 (54" Decks)
2	1	039-5949-00	Stand-On Pump Idler Bracket
3	2	019-6017-00	.635 ID Plastic Washer
4	1	024-6034-00	1/4" Drive in Grease Fitting
5	1	018-5311-00	5/8" x 4" Hex Bolt
6	1	013-5301-00	5/8" Nylock (1/2 Jam)
7	1	018-6036-00	1/2" x 2 3/4" Hex Bolt
8	1	013-8050-00	1/2-13 Nylon Flange Nut-Orange
9	1	025-7036-00	1/2 x 1/2 Spacer
10	1	018-2004-00	All Thread-pump Idler Tensioner
11	2	013-7018-00	1/2" Hex Nut
12	1	034-2009-00	2009 Deck/Pump Idler Spring
13	1	033-6001-00	4 3/4" Idler Pulley
14	1	018-4010-00	1/2" Nylcock Nut (1/2 Jam)
15	1	035-7033-00	Actuator
16	2	018-7016-00	1/2-13 x GR 5 Hex Bolt Zinc
17	4	013-8050-00	1/2-13 Nylon Flange Nut-Orange
18	1	025-5337-00	.502 x .750 x 1.25 Length Spacer
19	2	019-8054-00	.505 Nylon Spacer
20	1	025-7036-00	1/2 x 1/2 Spacer
21	1	201-1100-00	Stand Frame Support
22	5	018-5043-00	3/8" x 1 1/4" Carriage Bolt
23	2	018-3001-00	5/8" x 5/8" Shoulder Bolt
24	2	019-5038-00	5/8" Flat Washer
25	2	032-5052-00	Bronze Bushing - SF - 2024-8
26	1	026-5040-00	Stand Plate for Stand On
27	2	034-8045-00	Seat Spring
28	2	014-8047-00	Spring Cap Cover
29	4	019-8051-00	5/16" Lock Washer
30	4	019-7040-00	1/4" Flat Washer
31	4	013-8043-00	5/16" Nut
32	2	018-2006-00	5/16 x 1 1/4 Hex Bolt
33	1	026-5020-00	Height Indicator Plate Stand On (Bolt on)
34	3	025-5338-00	.502 ID X .75 OD X 1.500 Leng
35	3	018-2071-00	3/8 x 2 1/2 Hex Tap Bolt
36	1	040-4075-00	Pin And Lanyard
37	1	079-4000-00	Floor Panel Stand On
38	2	019-6042-00	.360 ID Plastic Washer
39	2	013-8073-00	1/4" Nylock Nut
40	2	018-8040-00	1/4" x 3/4" Carriage Bolt
41	2	030-3050-00	#10 x 1/2" Self Taping Screw
42	2	029-4010-00	Button Bumper
43	1	040-4060-00	Deck Height Pin-Stand On-New
44	8	013-5202-00	3/8" Nylock Flange Nut
45	1	070-5210-00	Stand On Frame (48" Decks)
46	2	034-1444-00	Rubber Cone-1621-153



Stand On Podium Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	079-4020-00	Podium Front Panel
2	1	079-4030-00	Podium Panel Right Side
3	1	079-4040-00	Podium Panel Left Side
4	12	018-8064-00	1/4" x 5/8" BS C/S 18-8 SS
5	12	013-0054-00	1/4-20 Cage Nut
6	8	013-9002-00	5/16" Flange Nut
7	10	019-7040-00	1/4" Flat Washer
8	8	019-8051-00	5/16" Lock Washer
9	4	018-2007-00	5/16" x 1" Bolt
10	2	067-8090-00	350ml Expansion Tank-CZT
11	2	066-5050-00	Hydraulic Tank Cap
12	12	018-8064-00	1/4" x 5/8" BS C/S 18-8 SS
13	2	051-8063-00	3/8 clear hose price per foot
14	2	072-8066-00	1/2 Hose Clamp
15	2	072-8065-00	3/8 hose clamp
16	1	067-0001-00	5 Gal tank w/gauge-Stand On
17	1	066-8083-00	Fuel Cap
18	8	014-3010-00	5/8 Round Insert
19	1	051-8067-00	1/4" fuel line hose
20	2	072-8069-00	1/4 fuel clamp
21	1	108-5349-00	Solenoid
22	4	013-9001-00	1/4-20 Hex Flange Nuts Zinc w/Serrations
23	4	018-8052-00	1/4-20 x 3/4 GR 5 Hex Bolts Zinc
24	2	103-5400-00	Black Boot For ground cable
25	3	103-5300-00	Red Boot
26	1	043-8929-00	Hold Down Assembly
27	1	086-0003-00	red battery cable alternator to Started cable
28	1	064-0030-00	Ground Cable
29	1	068-8049-00	Battery
30	1	064-5301-00	12 in red battery cable
31	1	051-8073-00	3/16 vinyl tubing
32	1	072-8070-00	3/16 vinyl clamp
33	1	079-4050-00	Door Panel Assembly
34	1	071-6000-00	Cushion- Stand On Mower
35	4	018-4007-00	1/4-20 x 1 GR 5 hex bolt zinc
36	4	019-7040-00	1/4" Flat Washer
37	4	018-8065-00	5/16" x 1" Carriage Bolt
38	4	013-8049-00	5/16-18 Nylon Flange Nut
39	2	019-6042-00	.360 ID Plastic Washer
40	1	039-0070-00	Back Cover Hinge Bracket
41	1	074-0060-00	Fender (Right Side)
42	1	074-0050-00	Fender (Left Side)
43	1	072-8073-00	3/16" Vinyl Hose Clamp
44	1	052-1000-00	Latch-Stand On
45	2	025-0011-00	Brake/Latch Spacer-Stand On
46	14	013-8073-00	1/4" Nylock Nut
47	2	018-0011-00	1/4-20 x 2 Hex Bolt
48	2	072-0050-00	Fuel Tank Clamp-Stand On
49	1	052-1010-00	Latch Striker Post-Stand On
50	4	018-4701-00	5/16" x 3" Hex Bolt

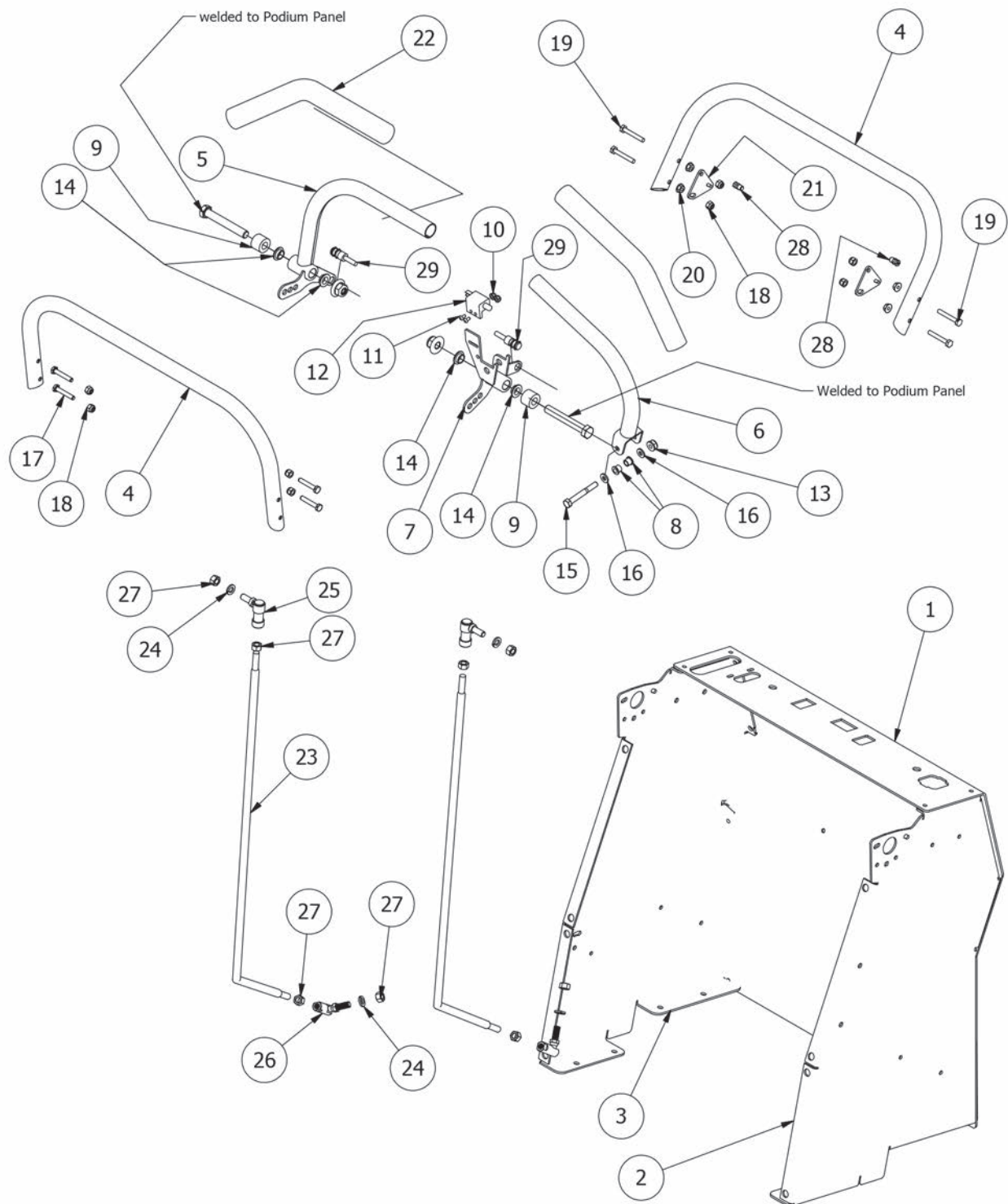
Control Panel Assembly



Control Panel Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	079-4020-00	Podium Front Panel
2	2	013-5019-00	10-24 Nylon Insert Locknut
3	2	018-8056-00	10-24 x 1 BS C/S 18-8 SS
4	1	055-8021-00	Throttle-All Outlaws
5	1	054-8017-00	Choke
6	1	083-4013-00	Tachometer
7	1	078-3000-00	Rocker Deck Lift Switch - 2011
8	1	056-8058-00	PTO Engager
9	1	042-9000-00	Ignition Key
10	1	077-8076-00	Ignition Switch
11	1	069-2012-00	Brake Handle- Stand On
12	4	019-7040-00	1/4" Flat Washer
13	2	018-5344-00	5/16" x 2 1/2" Bolt
14	2	013-8049-00	5/16-18 Nylon Flange Nut
15	1	079-4040-00	Podium Panel Left Side
16	1	079-4030-00	Podium Panel Right Side
17	1	044-2004-00	Bow Pin
18	6	086-0080-00	Wiring Harness- Stand on Models
19	6	086-1201-00	Relay Terminal
20	4	018-8064-00	1/4" x 5/8" BS C/S 18-8 SS
21	2	025-0011-00	Brake/Latch Spacer-Stand On
22	1	089-1000-00	Oil Light
23	4	013-8073-00	1/4" Nylock Nut
24	1	071-6001-00	Trash Collection Bag Bandit Stand On

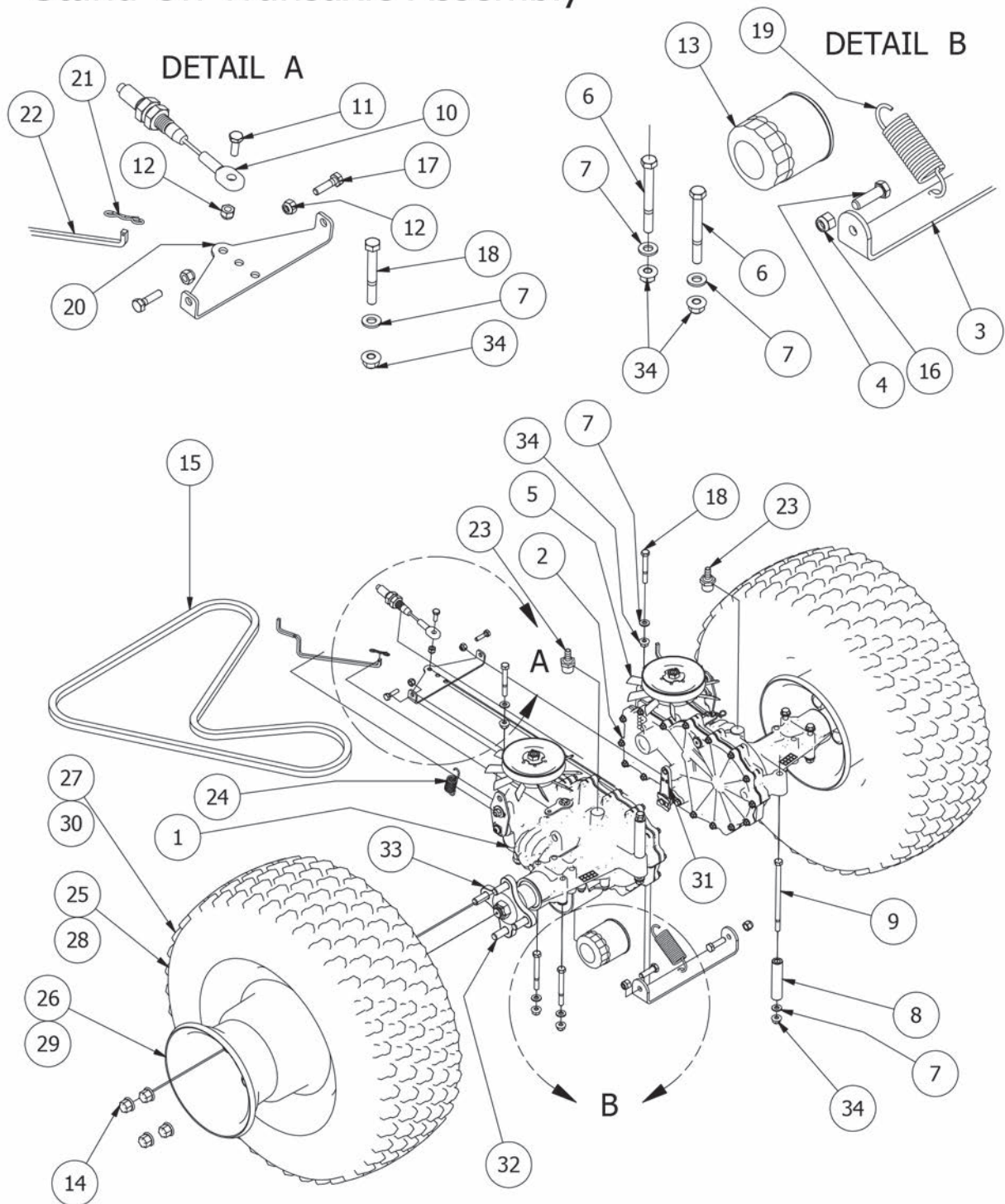


Stand On Push Rods & Drive Arms Assembly



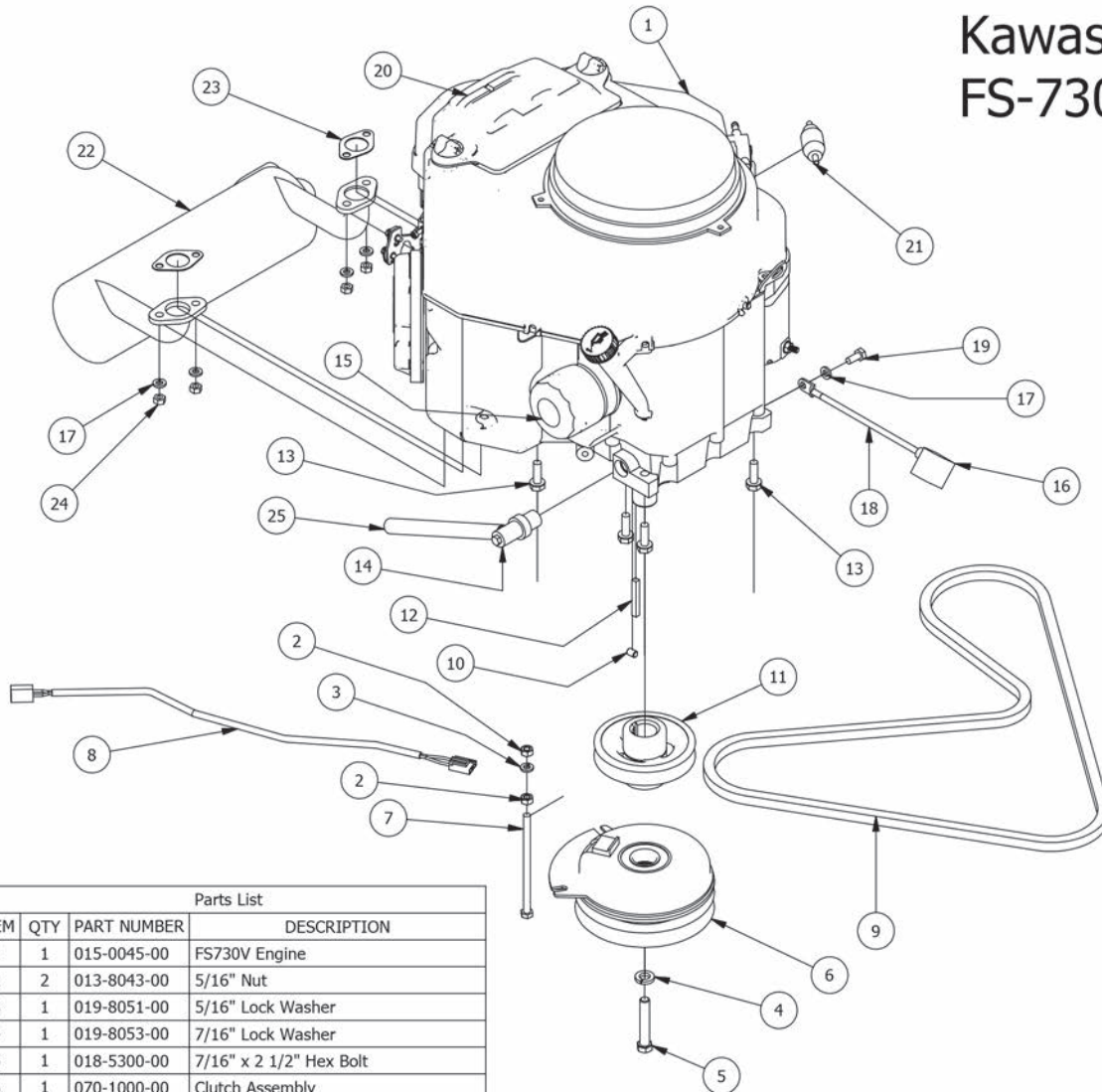
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	079-4020-00	Podium Front Panel
2	1	079-4030-00	Podium Panel Right Side
3	1	079-4040-00	Podium Panel Left Side
4	2	031-7120-00	Support Handle Stand Up (Front & Back)
5	1	031-7130-00	Left Steering Handle Assembly
6	1	031-7140-00	Right Steering Handle Assembly
7	1	039-0210-00	Safety Kill Switch Assembly Bracket
8	2	032-5002-00	Stand On Flange Bushing-Steering Arms
9	2	025-0012-00	Steering Arm Spacer- Stand On
10	2	013-5019-00	10-24 Nylon Insert Locknut
11	2	018-5200-00	1024 X 5/8" Buttonhead Bolt
12	1	077-8073-00	Safety Switch
13	1	013-8049-00	5/16-18 Nylon Flange Nut
14	4	032-5055-00	Bushing for 2012 Drive Arms
15	1	018-5344-00	5/16" x 2 1/2" Bolt
16	2	019-7040-00	1/4" Flat Washer
17	4	018-5005-00	1/4-20 x 1 1/2" Bolt
18	8	013-8073-00	1/4" Nylock Nut
19	4	018-0018-00	1/4-20x 1-3/4" Hex Bolt
20	4	013-9001-00	1/4-20 Hex Flange Nuts Zinc w/Serrations
21	2	039-0203-00	Neutral Safety Tab
22	2	069-4010-00	Black Steering Grip
23	2	035-1000-00	Push Rod Stand On
24	4	019-5037-00	3/8" Lock Washer
25	2	099-2009-00	3/8-24 Quick Release Ball Joint
26	2	099-6046-00	3/8-24 Ball Joint
27	8	013-6051-00	3/8" Fine Threaded Jam Nut
28	2	077-1000-00	Magnet-Steering Arm-Stand On
29	2	086-0015-00	Safety Switch Harness
14	2	013-8050-00	1/2-13 Nylon Flange Nut-Orange

Stand On Transaxle Assembly

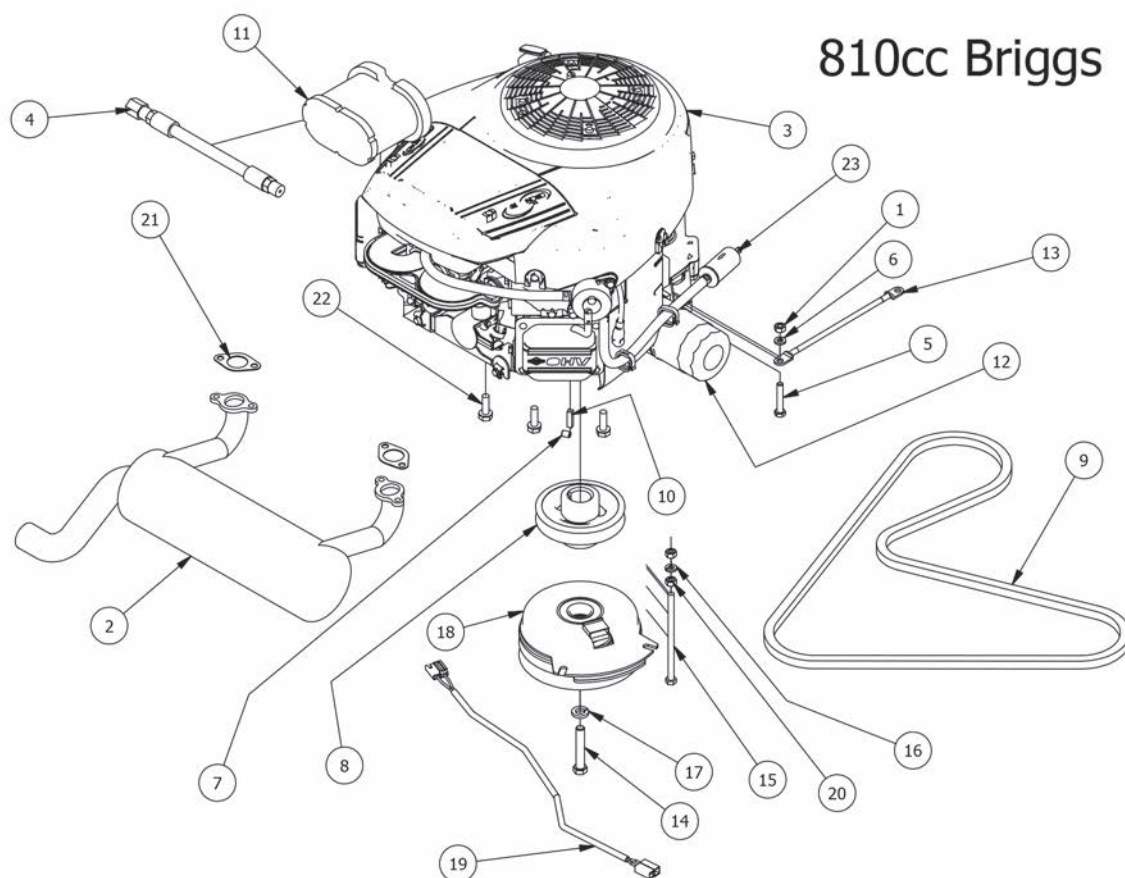


Stand On Transaxle Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	050-6000-00	Left 3400 IZT for CZT
2	1	050-6001-00	Right 3400 IZT for CZT
3	1	028-4801-00	Crossover Bar for ZT
4	2	018-3000-00	3/8" x2" Hex Bolt
5	2	050-2072-00	Fan/Pulley Kit For CZT
6	4	018-4701-00	5/16" x 3" Hex Bolt
7	12	019-8044-00	5/16" Flat Washer
8	2	025-5340-00	3 1/4" Spacer
9	2	018-5355-00	5/16" x 6" Bolt
10	1	064-3000-00	Brake Cable
11	1	018-8052-00	1/4" x 3/4" Hex Bolt
12	3	013-8073-00	1/4" Nylock Nut
13	2	063-1050-00	Transaxle Hydro Filter
14	8	013-3000-00	Acorn Lug Nut
15	1	041-6400-00	Pump Belt
16	2	013-5041-00	3/8 Nylock Nut
17	2	018-4007-00	1/4-20 x 1 GR 5 hex bolt zinc
18	2	018-5344-00	5/16" x 2 1/2" Bolt
19	1	034-9000-00	ZT spring
20	1	039-0212-00	Brake Bracket
21	2	044-2004-00	Bow Pin
22	2	028-0060-00	MZ Brake Release Bar
23	2	024-1200-00	45 degree fitting
24	2	034-1050-00	Spring for Stand On Models
25	2	022-5460-00	23 x 10.50 -12 Assembly W/Negative Offset Wheel
26	1	022-7061-00	12 Orange Wheel
27	1	022-5351-00	23 x 10.50 -12 Tire
28	1	022-3000-00	23 x 8.50 - 12 Tire & Wheel Assembly (48" Deck only)
29	1	022-3026-00	23 x 8.50 (Wheel 48" Deck only)
30	1	022-3025-00	23 x 8.50 -12 Tire (48" Deck only)
31	2	092-8000-00	Transaxle Brake Lever
32	8	050-2012-00	Transaxle Wheel Studs
33	2	050-2076-00	ZT Transaxle Hub
34	8	013-8049-00	5/16" Nylon Flange Nut

Kawasaki FS-730V



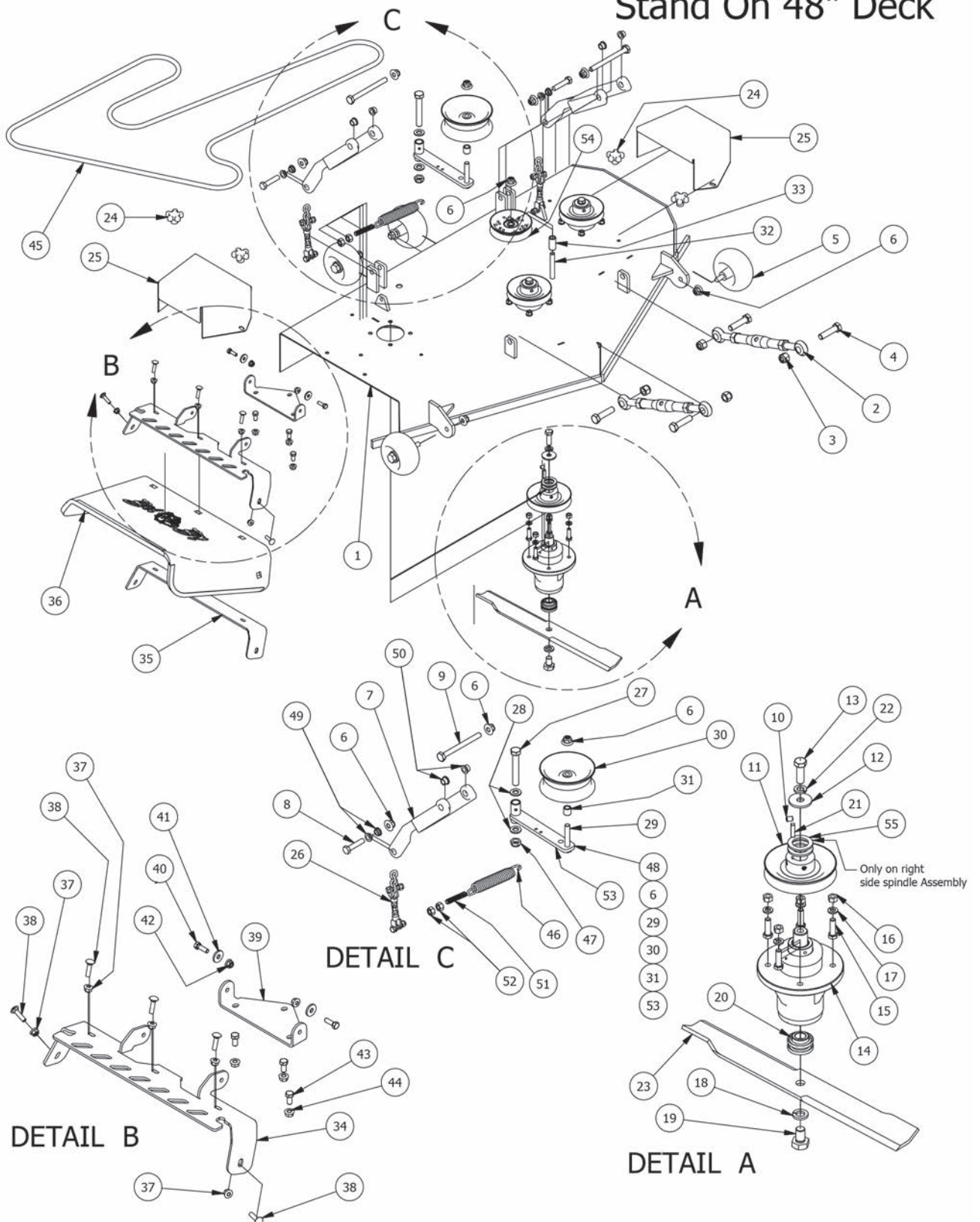
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	015-0045-00	FS730V Engine
2	2	013-8043-00	5/16" Nut
3	1	019-8051-00	5/16" Lock Washer
4	1	019-8053-00	7/16" Lock Washer
5	1	018-5300-00	7/16" x 2 1/2" Hex Bolt
6	1	070-1000-00	Clutch Assembly
7	1	018-5350-00	5/16-18 x 5-1/2 GR 5 Hex Bolt
8	1	070-2000-00	Clutch Pigtail
9	1	041-6400-00	Pump Belt
10	1	030-0050-00	5/16 Set Screw
11	1	033-5035-00	4 3/4 Motor Pulley
12	1	042-5020-00	1/4 x 2 Square key Stock
13	4	018-1075-00	3/8 x 1 1/8 bolt
14	1	015-5404-00	oil drain
15	1	063-8017-00	Oil Filter
16	1	103-5400-00	Black Boot For ground cable
17	5	019-8051-00	5/16" Lock Washer
18	1	064-0030-00	Ground Cable
19	1	018-5321-00	M8x1.20x20MM Hex head bolt
20	1	063-2097-00	Kaw air Filter For Engine
21	1	063-6000-00	Universal inline Fuel Filter
22	1	015-0008-00	Exhaust- Stand On (kawasaki engine)
23	2	015-2709-00	Exhaust gasket
24	4	013-0075-00	M8-1.25 Zinc Nut
25	1	051-8064-00	1/2 Clear Braded Hose Priced/Foot



30HP Briggs			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	013-8043-00	5/16" Nut
2	1	015-0009-00	Exhaust- Stand On
3	1	015-3030-00	810cc Briggs Engine W/Cyclonic Filter
4	1	051-5401-00	Oil drain Hose
5	1	018-8059-00	5/16" x 1 3/4" Hex Bolt
6	1	019-8051-00	5/16" Lock Washer
7	1	030-6029-00	3/8" Set Screw
8	1	033-5035-00	4 3/4 Motor Pulley
9	1	041-6400-00	Pump Belt
10	1	042-6030-00	1/4" x 1" Key
11	1	063-3003-00	Briggs Air Filter
12	1	063-8018-00	Oil Filter
13	1	086-0005-00	Starter to chassis cable
14	1	018-5300-00	7/16" x 2 1/2" Hex Bolt
15	1	018-5350-00	5/16-18 x 5-1/2 GR 5 Hex Bolt
16	1	019-8051-00	5/16" Lock Washer
17	1	019-8053-00	7/16" Lock Washer
18	1	070-1000-00	Clutch Assembly
19	1	070-2000-00	Clutch Pigtail
20	2	013-8043-00	5/16" Nut
21	2	015-2709-00	Exhaust gasket
22	3	018-1075-00	3/8 x 1 1/8 bolt
23	1	063-6000-00	Universal Inline Fuel Filter

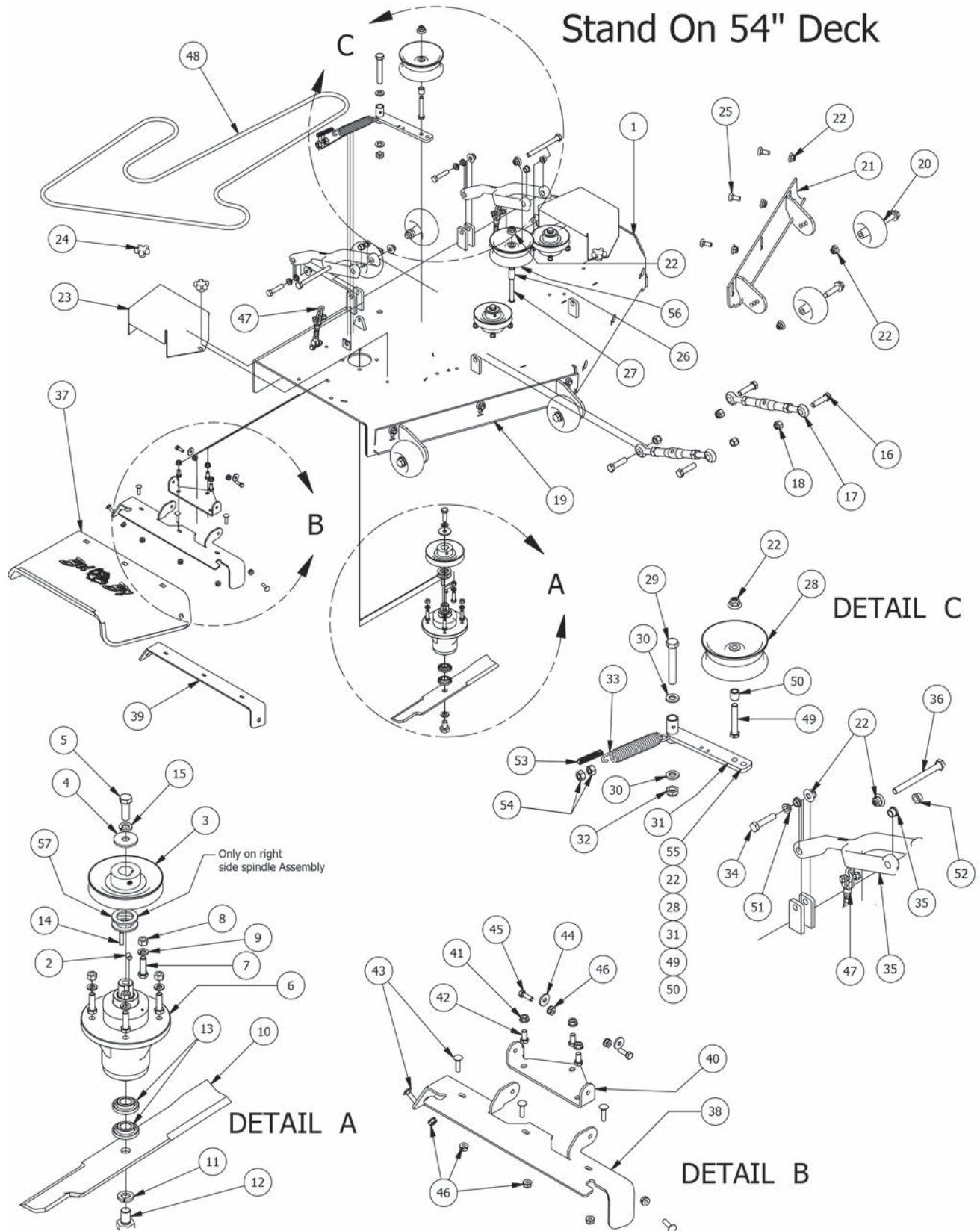


Stand On 48" Deck



Stand On 48" Deck Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	060-1010-00	48" Deck
2	2	048-6056-00	Turnbuckle (Top Link)
3	4	013-7021-00	5/8 Std NC Nylock Nut
4	4	018-6059-00	5/8" x 2 1/2" Hex Bolt
5	4	022-1000-00	Deck Wheel
6	10	013-8050-00	1/2-13 Nylon Flange Nut-Orange
7	2	031-6010-00	Deck Arm Assembly
8	2	018-6037-00	1/2-13X 2-1/4 GR Hex Bolts
9	2	018-1090-00	1/2" x 5 1/2" Bolt
10	3	030-0050-00	5/16 Set Screw
11	3	033-6003-00	5" Deck Pulley
12	3	019-6020-00	1/2 Belleville Washer
13	3	018-6019-00	1/2"-20 x 1 1/2 - Grade 5 Fine Thread Bolt
14	3	037-8000-50	Double Bearing Spindle
15	12	018-5040-00	3/8" x 1 1/4" Hex Bolt
16	12	013-6014-00	3/8-16 Hex Nuts Zinc
17	12	019-5037-00	3/8" Lock Washer
18	3	019-4807-00	5/8" Lock Washer
19	3	018-6020-00	5/8" x 1 1/2" Grade 8 Bolt
20	6	037-8001-00	Double Bearing For Spindle
21	3	042-6030-00	1/4" x 1" Key
22	3	019-5007-00	1/2" Lock Washer
23	3	038-5350-00	Fusion Blade
24	4	045-6043-00	5/16" Knob
25	2	014-6010-00	Pulley Cover
26	2	047-4000-00	4- Link Adjustable Deck Hange
27	1	018-5311-00	5/8" x 4" Hex Bolt
28	2	019-6017-00	.635 ID Plastic Washer
29	1	018-7016-00	1/2-13 x GR 5 Hex Bolt Zinc
30	1	033-5000-00	5 3/4" Deck Idler Pulley
31	1	025-5203-00	3/4 OD x 1/2 ID x 3\4 Length
32	1	018-2018-00	1/2 x 3 1/2 Flange Bolt Grade 8
33	1	025-5338-00	.502 ID X .75 OD X 1.500 Leng
34	1	039-4870-00	Upper Hanger
35	1	039-4871-00	Discharge Lower Chute Bracket
36	1	210-6005-00	Rubber Discharge Chute
37	5	013-8049-00	5/16" Nylon Flange Nut
38	5	018-4703-00	5/16" x 1 1/4" Carriage Bolt
39	1	206-6017-00	Discharge Chute Hanger (deck mounted)
40	2	018-2007-00	5/16" x 1" Bolt
41	2	019-6042-00	.360 ID Plastic Washer
42	2	013-8049-00	5/16" Nylon Flange Nut
43	3	018-5250-00	3/8" x 3/4" Hex Bolt
44	3	013-5201-00	3/8" Flange Nut
45	1	041-5200-00	B111 Belt 48" Stand On
46	1	034-2009-00	2009 Deck/Pump Idler Spring
47	1	013-5301-00	5/8" Nylock (1/2 Jam)
48	1	039-6945-98	Deck Idler Assembly Components 6,29,30,31,53
49	1	032-5057-00	Flange for lower Deck Arm
50	1	032-5056-00	Flange Bushing For Deck Arm Upper
51	1	018-2004-00	All Thread-pump Idler Tensioner
52	2	013-7018-00	1/2" Hex Nut
53	1	039-6945-00	Deck Idler 2009 AOS
54	1	033-6001-00	4-3/4 Idler Pulley
55	2	019-6029-00	1 1/8" Flat Spacer

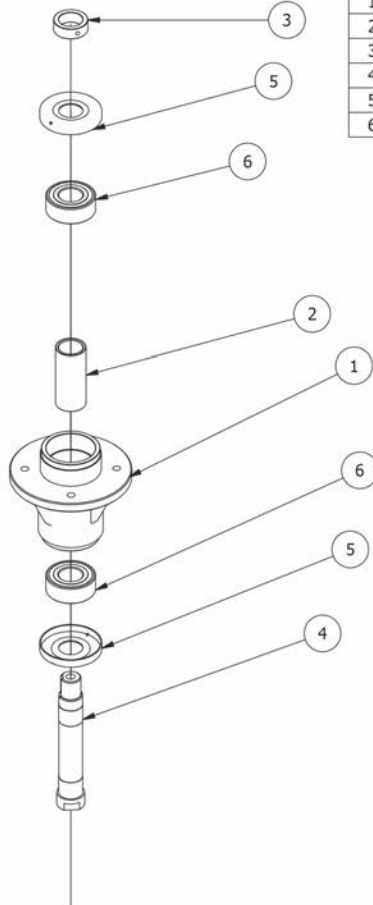
Stand On 54" Deck



Stand On 54" Deck Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	060-1110-00	54" Stand Up Deck
2	3	030-0050-00	5/16 Set Screw
3	3	033-6003-00	5" Deck Pulley
4	3	019-6020-00	1/2 Belleville Washer
5	3	018-6019-00	1/2"-20 x 1 1/2 - Grade 5 Fine Thread Bolt
6	3	037-8000-50	Double Bearing Spindle
7	12	018-5040-00	3/8" x 1 1/4" Hex Bolt
8	12	013-6014-00	3/8-16 Hex Nuts Zinc
9	12	019-5037-00	3/8" Lock Washer
10	3	038-0001-00	54" Deck Fusion Blade For Outlaw
11	3	019-4807-00	5/8" Lock Washer
12	3	018-6020-00	5/8" x 1 1/2" Grade 8 Bolt
13	6	037-8001-00	Double Bearing For Spindle
14	3	042-6030-00	1/4" x 1" Key
15	3	019-5007-00	1/2" Lock Washer
16	4	018-6059-00	5/8" x 2 1/2" Hex Bolt
17	2	048-6056-00	Turnbuckle (Top Link)
18	4	013-7021-00	5/8 Std NC Nylock Nut
19	1	060-5530-00	54 Outlaw Adjustable Deck Front (left)
20	6	022-1000-00	Deck Wheel
21	1	060-5520-00	54 Outlaw Adjustable Deck Front (Right)
22	18	013-8050-00	1/2-13 Nylon Flange Nut-Orange
23	2	014-6010-00	Pulley Cover
24	4	045-6043-00	5/16" Knob
25	6	018-3003-00	1/2" x 1 1/4 Carriage Bolt
26	1	025-5338-00	.502 ID X .75 OD X 1.500 Leng
27	1	018-2018-00	1/2 x 3 1/2 Flange Bolt Grade 8
28	1	033-5000-00	5 3/4" Deck Idler Pulley
29	1	018-5311-00	5/8" x 4" Hex Bolt
30	2	019-6017-00	.635 ID Plastic Washer
31	1	039-6945-00	Deck Idler 2009 AOS
32	1	013-5301-00	5/8" Nylock (1/2 Jam)
33	1	034-2009-00	2009 Deck/Pump Idler Spring
34	2	018-6037-00	1/2-13X 2-1/4 GR Hex Bolts
35	2	031-6010-00	Deck Arm Assembly
36	2	018-1090-00	1/2" x 5 1/2" Bolt
37	1	210-6005-00	Rubber Discharge Chute
38	1	039-4864-00	60" Discharge Chute Upper Hanger
39	1	039-4863-00	60" Lower Hanger
40	1	206-6017-00	Discharge Chute Hanger
41	3	013-5201-00	3/8" Flange Nut
42	3	018-5250-00	3/8" x 3/4" Hex Bolt
43	5	018-4703-00	5/16" x 1 1/4" Carriage Bolt
44	2	019-6042-00	.360 ID Plastic Washer
45	2	018-2007-00	5/16" x 1" Bolt
46	7	013-8049-00	5/16-18 Nylon Flange Nut
47	2	047-4000-00	4- Link Adjustable Deck Hange
48	1	041-0120-00	42" Deck Belt-B120
49	1	018-7016-00	1/2-13 x GR 5 Hex Bolt Zinc
50	1	025-5203-00	3/4 OD x 1/2 ID x 3/4 Length
51	4	032-5057-00	Flange for Lower Deck Arm
52	4	032-5056-00	Flange Bushing for Deck Arm Upper
53	1	018-2004-00	All Thread-pump Idler Tensioner
54	2	013-7018-00	1/2" Hex Nut
55	1	039-6945-98	Deck Idler Assembly Components 22,28,31,49,50
56	1	033-7201-00	5 3/4" Deck Idler Pulley
57	2	019-6029-00	1 1/8" Flat Spacer



037-8000-50 Double Bearing Spindle



037-8000-50				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	037-8005-50	Aluminum Spindle Housing	
2	1	037-8003-00	Tube Spacer Double Bearing Spindle	
3	1	037-9050-00	Collar Spacer - Top of Spindle	
4	1	037-6026-00	Short Spindle Shaft w/Locking	
5	2	037-8002-00	Dust Cover	
6	2	037-8001-00	Double Bearing for spindle	



091-0726-00
Z 726cc Pro Series Decal



091-3023-00
30hp Z-Pro Series Decal



091-3044-00
48" Deck Decal-



091-9000-00
Deck Height Decal
Bandit Stand On



091-9001-00
Control Panel Decal
Bandit Stand On



091-4000-00
Domed Label



091-0054-00
54" ARMORTEK Deck
Decal



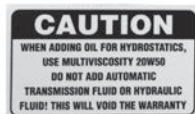
091-9009-00
Deck Belt Route Decal



091-1040-00
Floor Panel Cluster



091-3012-00
Danger Decal- Spindle/Discharge



091-3015-00
Caution Decal - hydraulic tank



091-3017-00
Pump Belt Route Decal



091-3300-00
Caution Decal-Front Grill

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