

# **Cyclone SuperHauler™**



## **Owner's Manual**



# SAFETY AND OPERATING INSTRUCTIONS

**Read this Safety and Operating Instruction Manual before you use the Cyclone SuperHauler. Become familiar with service recommendations to ensure the best performance from your machine.**

## LABELS

Your Cyclone SuperHauler carries prominent labels as reminders for its proper and safe use. Take a moment to study them and make a note of their location on your Cyclone SuperHauler as you assemble and before you operate the machine. Replace damaged or missing safety and information labels immediately.

## IMPORTANT

This is a high-powered machine, with moving parts operating with high energy at high speeds. Use proper clothing and safety gear when operating this machine to prevent or minimize the risk of severe injury.

The Cyclone SuperHauler must be operated safely to prevent or minimize the risk of minor or moderate injury. Unsafe operation can create a number of hazards for you. Always take the following precautions when operating this machine:

- **ALWAYS WEAR SHOES WITH NON-SLIP TREADS** when using your Cyclone SuperHauler. If you have safety shoes we recommend wearing them. **DO NOT USE THE MACHINE WHILE BAREFOOT OR WEARING OPEN SANDALS.**
- **AVOID WEARING LOOSE CLOTHING OR JEWELRY**, which can catch on the machine's moving parts
- **NEVER ALLOW PEOPLE WHO ARE UNFAMILIAR WITH THESE INSTRUCTIONS TO USE the Cyclone SuperHauler.**
- **NEVER PLACE YOUR HANDS, FEET OR ANY PART OF YOUR BODY NEAR OR UNDER ANY MOVING PART WHILE THE MACHINE IS RUNNING.**
- **ALWAYS STOP THE ENGINE WHEN DUMPING A LOAD.**
- To be safe, **DO NOT OPERATE THE MACHINE NEAR SMALL CHILDREN OR PETS**, and **NEVER ALLOW CHILDREN TO OPERATE THE CYCLONE SUPERHAULER OR RIDE IN IT.**

# SAFETY

- **THE MUFFLER AND ENGINE BECOME VERY HOT** and can cause a severe burn. **DO NOT TOUCH.**
- **NEVER, UNDER ANY CONDITIONS, REMOVE, BEND, CUT, FIT, WELD OR OTHERWISE ALTER STANDARD PARTS ON THE CYCLONE SUPERHAULER. THIS INCLUDES ALL SHIELDS AND GUARDS. MODIFICATIONS TO YOUR MACHINE COULD CAUSE PERSONAL INJURIES AND WILL VOID YOUR WARRANTY.**
- Keep in mind that the **OPERATOR OR USER IS RESPONSIBLE FOR ACCIDENTS OR HAZARDS** occurring to other people, their property and themselves.
- Your Cyclone SuperHauler is not a plaything. **EXERCISE EXTREME CAUTION AT ALL TIMES. THE DESIGN OF THIS MACHINE IS TO HAUL MATERIAL. DO NOT USE IT FOR ANY OTHER PURPOSE.**
- Give complete and undivided attention to the job at hand. Before you use your new machine, **BE SURE YOU KNOW HOW TO STOP THE CYCLONE SUPERHAULER AT A MOMENT'S NOTICE.**
- **ALWAYS OPERATE THE CYCLONE SUPERHAULER FROM BEHIND THE HANDLEBARS, NEVER FROM THE SIDE.**
- **NEVER USE THE CYCLONE SUPERHAULER TO DRAG OR TOW ITEMS.**
- **DO NOT OVERLOAD THE CYCLONE SUPERHAULER.** Be careful of top-heavy loads. The higher the load, the more chance of tipping over the machine. Also loads may shift during operation; so to be safe, secure your loads and even them out when possible. **THE MAXIMUM LOAD IS 800 POUNDS (500 POUNDS ON SLOPES).**
- Use caution when moving downhill. Reduce speed slowly to avoid tipping forward. **TRAVERSE UP AND DOWN THE FACE OF SLOPES, NEVER ACROSS. EXERCISE EXTREME CAUTION WHEN CHANGING DIRECTION ON SLOPES.**
- **ALWAYS WATCH FOR TRAFFIC WHEN OPERATING NEAR ROADWAYS.**
- **NEVER ALLOW PEOPLE OR PETS TO RIDE IN THE CYCLONE SUPERHAULER.**
- Built-in safety features such as the brake release lever are effective only when maintained and kept in place.

# SAFETY

- **ALWAYS KEEP THE EQUIPMENT IN GOOD SAFE OPERATING CONDITION.** Always make certain nuts and bolts are tight and always use the supplied self-locking hardware. **DO NOT SUBSTITUTE. USE ONLY APPROVED WOODLAND POWER PRODUCTS PARTS.**
- **MAKE SURE THAT YOU HAVE 100% CONTROL OF THE SUPERHAULER AT ALL TIMES.** Do not hurry while using the SuperHauler. If you are unsure of the equipment or your surroundings, stop the machine, take a break, look things over before beginning again.
- **NEVER LEAVE THE CYCLONE SUPERHAULER UNATTENDED WITH THE ENGINE RUNNING.**
- **DO NOT OPERATE THE MACHINE WHEN UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR MEDICATION.**

## SAFETY USING GASOLINE POWERED MACHINES

Gasoline is a highly flammable liquid. Gasoline also gives off flammable vapor that can be easily ignited and cause a fire or explosion. Never overlook the hazards of gasoline. Always follow these precautions:

- **NEVER RUN THE ENGINE IN AN ENCLOSED AREA OR WITHOUT PROPER VENTILATION** as the exhaust contains carbon monoxide, which is an odorless, tasteless and deadly poisonous gas.
- **STORE ALL FUEL AND OIL IN CONTAINERS SPECIFICALLY DESIGNED AND APPROVED FOR THIS PURPOSE. KEEP AWAY FROM HEAT AND OPEN FLAME AND OUT OF THE REACH OF CHILDREN.**
- Fill the gasoline tank outdoors with the engine off and allow to cool completely. **DO NOT HANDLE GASOLINE IF YOU OR ANYONE NEARBY IS SMOKING**, or if you are near anything that could cause it to ignite or explode. Replace the fuel tank and fuel container caps securely.
- **IF YOU SPILL GASOLINE, DO NOT ATTEMPT TO START THE ENGINE.** Move the machine away from the spill area and avoid creating any source of ignition until the gasoline vapors have dissipated. Wipe up any spilled fuel to prevent a fire hazard and properly dispose of the waste.

# SAFETY

- **ALWAYS ALLOW THE ENGINE TO COOL COMPLETELY BEFORE STORING** the Cyclone SuperHauler in any enclosure. **NEVER STORE THE MACHINE WITH GAS IN THE TANK OR A FUEL CONTAINER NEAR AN OPEN FLAME** or spark such as a water heater.
- **NEVER MAKE ADJUSTMENTS OR REPAIRS WITH THE ENGINE RUNNING.** Disconnect the spark plug wire and keep the wire away from the spark plug to prevent accidental starting.
- **NEVER CHECK FOR AN IGNITION SPARK WITH THE SPARK PLUG OR SPARK PLUG WIRE REMOVED. USE AN APPROVED SPARK TESTER.**
- **NEVER TAMPER WITH SAFETY DEVICES.** Check their proper operation regularly.
- **DO NOT CHANGE THE ENGINE GOVERNOR SETTINGS OR MODIFY THE ENGINE SPEED. MODIFICATIONS WILL VOID YOUR WARRANTY.**
- To reduce fire hazard, **KEEP THE ENGINE COOLING FAN AND MUFFLER AREA FREE OF DEBRIS BUILD-UP** such as leaves, grass, oil, grease or any other combustible material.
- **NEVER OPERATE THE MACHINE WITHOUT THE MUFFLER.** Inspect the muffler periodically and replace if necessary.
- **NEVER OPERATE THE ENGINE WITH THE AIR CLEANER OR CARBURETOR INTAKE COVER REMOVED.** Removal of such parts could create a fire hazard. Do not use flammable solutions to clean air filter.
- **ALWAYS CHECK FUEL LINES AND FITTINGS FREQUENTLY FOR CRACKS OR LEAKS.** Replace if necessary.

## OPERATION ON SLOPES

Slopes are a major factor related to slip and fall accidents, which can result in severe injury. All slopes require caution. If you feel uneasy on a slope do not use the Cyclone SuperHauler on it. Always take the following precautions when using this machine on slopes.

### **ALWAYS:**

- Traverse up and down the face of slopes, never across. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, or bumps in the landscape.

# SAFETY

## NEVER:

- Operate near drop-offs, ditches or embankments; you could lose your footing or balance.
- Operate on slopes greater than 20 degrees.
- Operate on wet or slippery slopes; reduced traction could result in slipping.
- Park the Cyclone SuperHauler on a steep grade or slope.

## SAFETY FOR 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 hauling activity. Never assume that children will remain where you last saw them.

- **KEEP CHILDREN OUT OF THE WORK AREA** and under the watchful care of a responsible adult.
- Be alert and **ALWAYS TURN OFF THE CYCLONE SUPERHAULER ENGINE IF CHILDREN ENTER THE WORK AREA.**
- **BEFORE, AND WHILE MOVING BACKWARDS, LOOK BEHIND AND DOWN FOR SMALL CHILDREN.**
- **NEVER ALLOW CHILDREN TO OPERATE THE CYCLONE SUPERHAULER OR RIDE IN OR ON THE SUPERHAULER.**
- Use extra care when approaching blind corners, shrubs, trees or other objects that may obscure your vision.

No list of warnings and cautions can be all-inclusive. If situations occur that are not covered by this manual, the operator must apply common sense and operate this machine in a safe manner. Call Woodland Power Products toll-free 888-531-7253 for assistance.



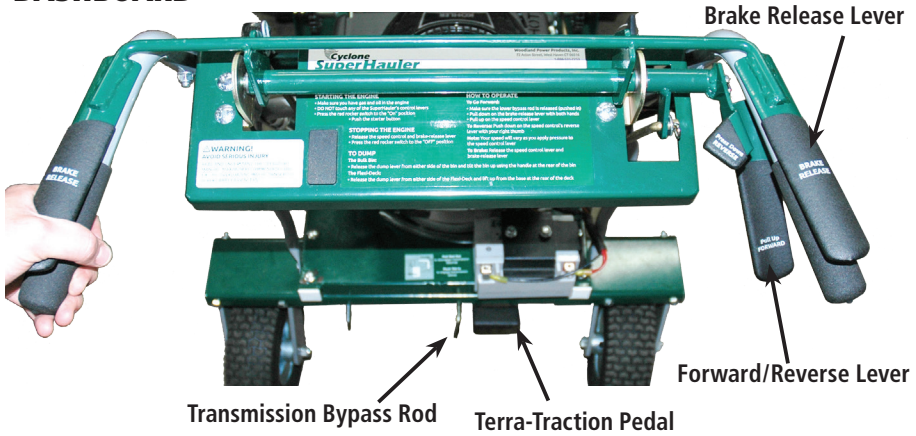


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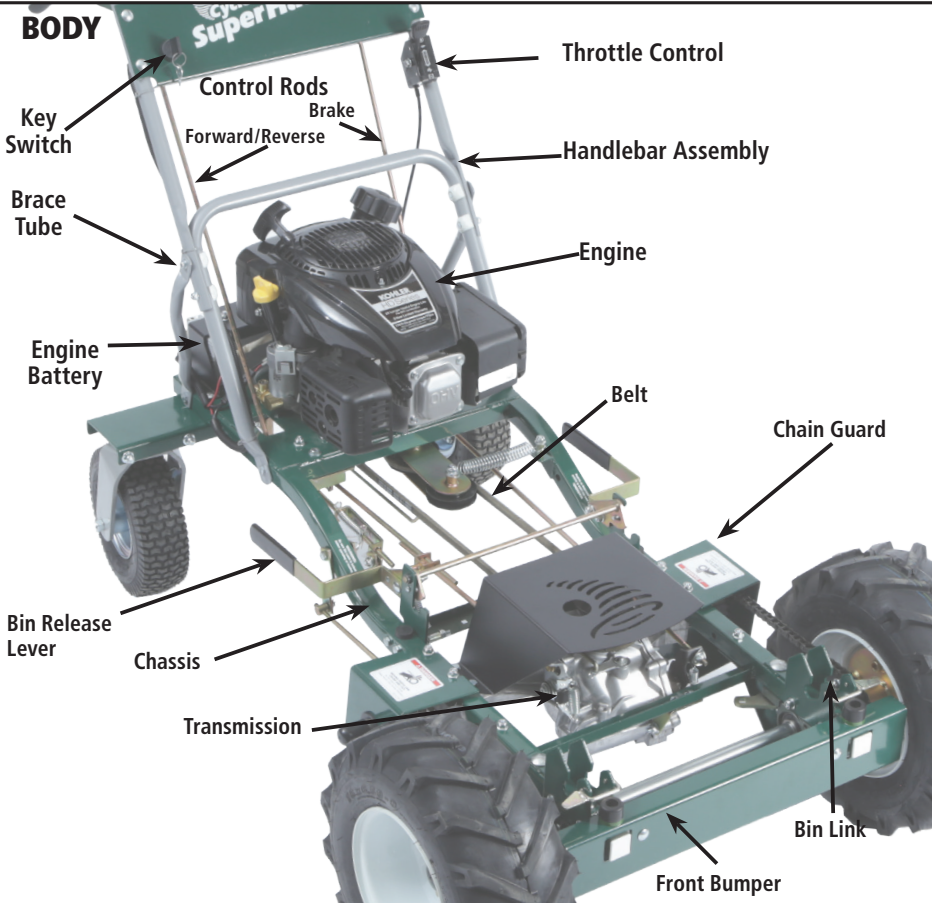
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# THE CYCLONE SUPERHAULER™ MAIN COMPONENTS

## DASHBOARD



## BODY



# YOUR CYCLONE SUPERHAULER OWNER'S MANUAL

At Woodland Power Products we take great care in crafting an owner's manual that is helpful, easy to read and understand, and full of useful information. But sometimes, there's just no substitute for talking to an expert, so we encourage you to call us with any questions you may have with the assembly, operation or ongoing maintenance of this great machine. We have a trained staff available every business day to make sure your ownership experience is second to none.

Customer Service Phone Number: **888-531-7253**

Customer Service Email: **info@CycloneSuperHauler.com**

## CONTENTS OF THIS MANUAL

This manual covers the assembly, operation and maintenance of your Cyclone SuperHauler.

## SOME HELPFUL ADDITIONS TO YOUR OWNER'S MANUAL

We love technology when it makes our customers' lives easier, so we've added some nice features to this manual that will do just that. In your Owner's Manual, you will come across some QR Codes, just like this one pictured. To read these codes visit the Apple App store or the Google Play store to download a QR code reader.



Whenever you see these QR codes, just scan them with your mobile phone or tablet, and immediately watch a video related to that section of the owner's manual. These codes, and the videos they take you to, will demonstrate some of the key maintenance and operating features of your new Cyclone SuperHauler. Try them out and watch them whenever and wherever you want. We think you'll find them very helpful and we're confident they will make your ownership experience more enjoyable.

# UNPACKING & ASSEMBLY:

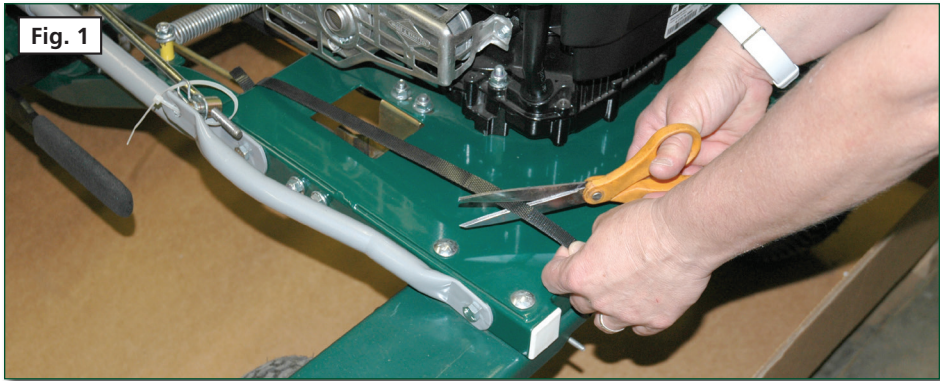
*Congratulations on the purchase of your new Cyclone SuperHauler!*

We think you will find it to be one of the most useful outdoor products anywhere. If you use and care for it properly, it will give you many years of excellent service.

## LET'S GET STARTED!

**Tools Supplied:** 1/2" - 7/16" box wrench

**Tools Needed:** Scissors or Box Cutter, An additional 7/16" box wrench

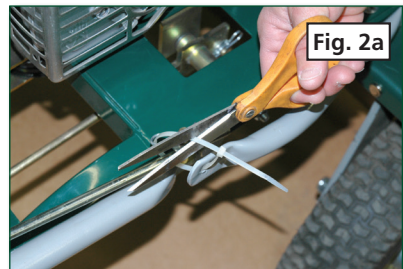


Your Cyclone SuperHauler is attached to a sturdy wood pallet for shipment.

1. Cut the banding straps that are holding the Cyclone SuperHauler to the bottom pallet. (Figure 1)

**NOTE: ALWAYS WEAR EYE PROTECTION**  
*when cutting the banding. The banding may have a lot of tension on it and might snap when cut.*

2. Cut the 4 nylon cable ties. (Figures 2a, 2b)



## HANDLEBAR & CONTROL ROD ASSEMBLY

Before removing the Cyclone SuperHauler from the pallet, you will need to setup the handlebar, brake control and the forward/reverse control rods.

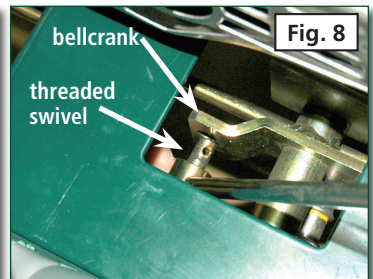
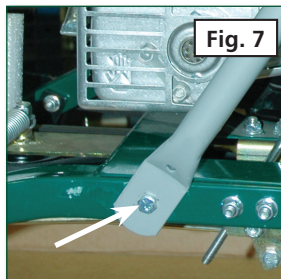
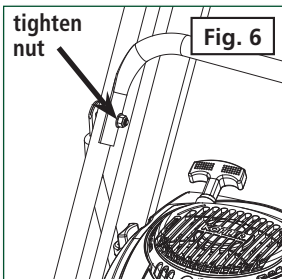
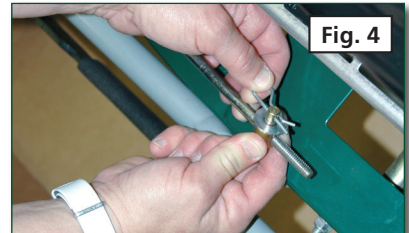
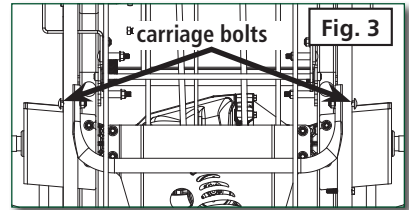


**NOTE:** *Having someone to help with this assembly will make it much easier.*

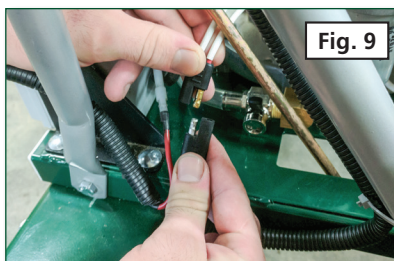
1. Remove the carriage bolt and nut from each side of the handlebar assembly. (No need for wrench they're finger tight). (Figure 3) Set these aside for use later.
2. Locate the forward/reverse and brake control rods. Remove the washer and R-clip from the threaded swivel at the end of each rod and set aside for use later. (Figure 4)

**Note:** *Be sure not to turn the threaded swivel. It's adjusted to proper position.*

3. Slowly raise the handle bars being careful to place the lower end of each control rod in the slots in the bottom panel of the chassis. (Figure 5)
4. While holding the handlebar up, lift and attach the brace tube to the handlebar on each side using the carriage bolt and nut removed in step 1. Tighten with 1/2" wrench.(Figure 6)
5. Tighten the bolt at the lower end of the handlebar where it attaches to the chassis. (Figure 7)
6. Starting on either side, place the end of the threaded swivel through the bell crank below the chassis and attach with the washer and R-clip removed in step 2. (Figure 8)

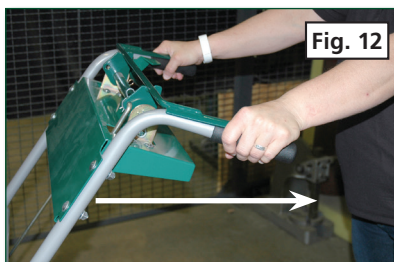
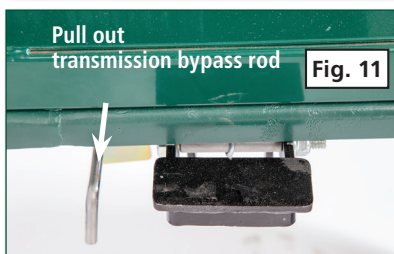


7. Repeat this process for the other side.
8. Connect the SAE wire terminals between the wire harness and the engine. (Figure 9)
9. Attach the throttle control to the left handle bar using the attached hardware and two 7/16" wrenches. (Figure 10)
10. Remove the foam packing from the top of the transmission fan shroud.



## REMOVING THE SUPERHAULER FROM THE PALLET.

1. Pull the transmission bypass rod located directly below the handlebars, in the center of the chassis, to put the SuperHauler in neutral. (Figure 11)
2. Once the rod is pulled out, place both palms on the brake release lever, press down to the handlebars and roll your SuperHauler backward off the pallet. (Figure 12)



## PREPARING THE ENGINE

The Cyclone SuperHauler is powered by a Kohler HD775 electric start engine.

### ADDING OIL

Locate the bottle of oil shipped in your Owner's Kit.

1. Add oil through the dipstick tube by unscrewing and removing the yellow oil cap. (Figure 13) Use the funnel provided in your owner's kit.
2. ***Be careful not to overfill.*** The oil level should be between the two dots on the dipstick. The oil capacity is 20 ounces, but add oil using the dipstick as the gauge since there may be a small amount of residual oil in the crankcase, left over from engine testing. (Figure 14)
3. Wipe up any oil spill.

**NOTE:** *It is recommended that you change the oil after the first five hours of operation and every 50 hours after that.*

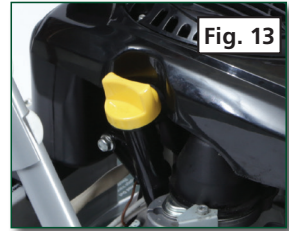


Fig. 13

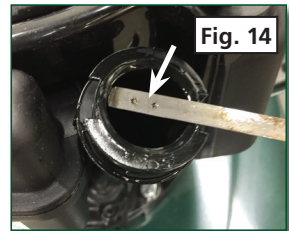


Fig. 14

**The recommended oil is 10W-30 service class SJ or higher.**

### ADDING GASOLINE

Use only clean, fresh, unleaded regular gasoline and make sure that the gas cap is firmly secured to prevent spillage. Wipe up any spilt gasoline before starting.

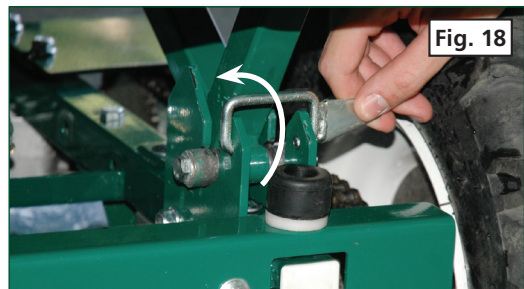
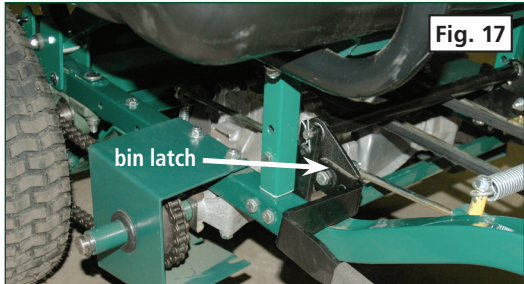
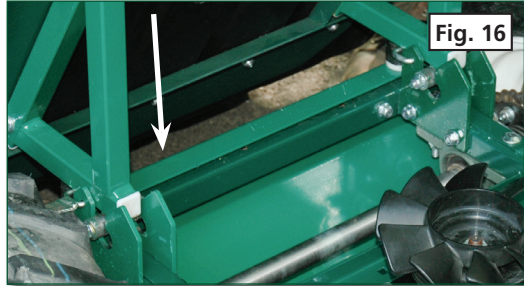
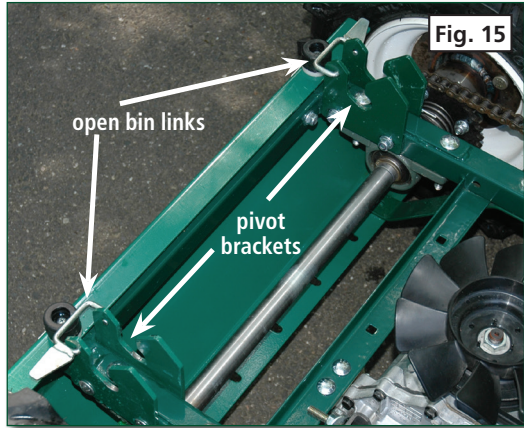
# ASSEMBLE & INSTALLING THE BIN

## ASSEMBLING THE BIN

Locate the box with the bin you purchased. Inside you will find a separate set of instructions to assemble and install your bin.

## INSTALLING THE BIN

1. Make sure the bin links are in the open position. (Figure 15)
2. Lift the bin and place it on the pivot brackets. (Figure 16)
3. Lower, then drop the bin down so it latches. (Figure 17)
4. Then flip the bin links to the rear to lock it in place. (Figure 18)





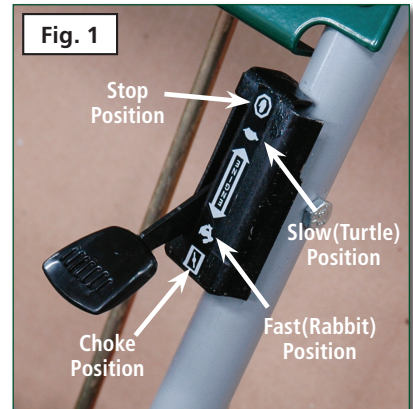
# PUTTING YOUR CYCLONE SUPERHAULER TO WORK

## STARTING & STOPPING THE ENGINE

*Be sure the engine has sufficient oil and gasoline before starting.*

### STARTING THE ENGINE WITH ELECTRIC START

1. Move the throttle control lever to the full forward (choke) position. (Figure 1)
2. Turn the start key to crank the engine until it starts, then release.
3. As the engine warms up, move the throttle control up to the fast (rabbit) position. When moving the SuperHauler, always run the engine at the fast speed. When parked, you can move the throttle control to the slow (turtle) position.



### STARTING THE ENGINE MANUALLY

1. Move the throttle control lever to the full forward (choke) position.
2. Pull the recoil starter cord to start the engine. As the engine warms up, move the throttle control back to the fast (rabbit) position. When moving the SuperHauler, always run the engine at the fast speed. When parked, you can move the throttle control to the slow (turtle) position.

### STOPPING THE ENGINE

1. Slowly move the throttle control back to the "stop" position.

**IMPORTANT:** *If you are not going to use the engine for 30 days or more, always add fuel stabilizer. This is available at any hardware store or in our SuperHauler Maintenance Kit. Refer to your Kohler® Owner's Manual.*

## USING YOUR CYCLONE SUPERHAULER

1. Push on the sheet metal tab located below the bypass rod and the rod will pop forward engaging the transmission. (Figure 2)

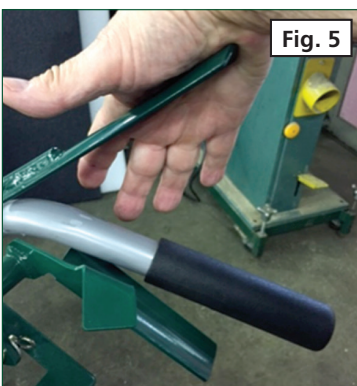
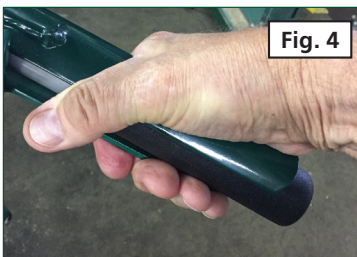
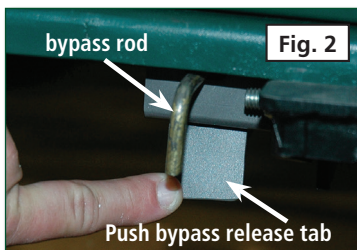
### MOVING FORWARD

1. Place both palms on the brake release lever and press down to the handle bars. This will release the brake and allow the SuperHauler to move. (Figure 3)
2. With the brake release lever held down, pull up on the forward/reverse control lever with your right hand to move forward. (Figure 4)

**NOTE:** *Be a little timid the first time. Just pull up a little; THE MORE YOU PULL, THE FASTER YOU GO. This is the beauty of a hydrostatic transmission – no gears to shift.*

### STOPPING THE SUPERHAULER

To stop the Cyclone SuperHauler either in normal operation or in any kind of unforeseen situation, just **take your hands off the brake release lever; the Cyclone SuperHauler will stop immediately.** (Figure 5)

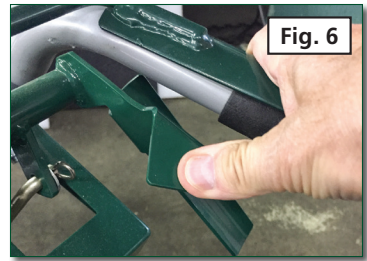


## MOVING IN REVERSE

Reversing is just as easy.

1. With the brake release lever held down, *push down with your thumb on the forward/reverse lever* and back up. (Figure 6)

**NOTE:** *By design, the reverse speed is limited, but please exercise caution until you get a feel for the controls and a solid understanding of the speed adjustment mechanism.*



## DUMPING THE CYCLONE SUPERHAULER

1. Locate the bin release lever on either side of the SuperHauler. (Figure 7)
2. Release the bin latch by pulling up and holding it as you begin to lift the bin. (Figure 8)



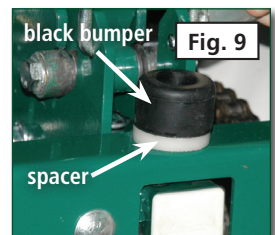
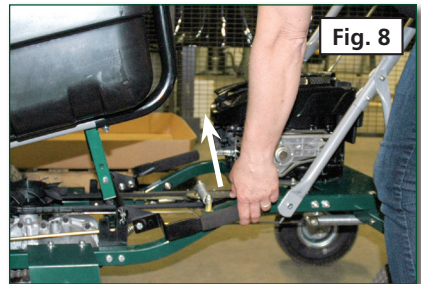
## TO DUMP THE BULK BIN:

1. Tilt the bin up *using the handle* at the rear of the bin.

## TO DUMP THE FLEXI-DECK BIN:

1. Tilt the bin *up from the base* at the rear of the bin

**NOTE:** *There is a spacer installed between the SuperHauler's front bumper and each of the black rubber bumpers. (Figure 9) These are installed so that the bin, when fully tilted, will not touch the ground. If you need to have the bin go all the way to the ground, you can remove the spacers and reinstall only the black bumpers using the shorter screws found in your Owner's Kit.*

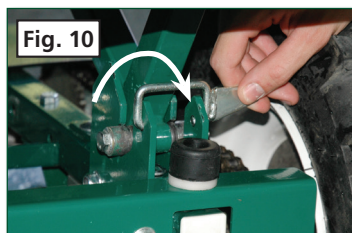


## CHANGING BINS

Changing bins is simple and can be accomplished without the need for any tools.

**NOTE:** *Please make sure the engine is stopped before changing bins.*

1. With the bin in the down (latched) position, open the bin links by flipping them forward. (Figure 10)
2. Pull up on the bin latch lever and tilt the bin forward until it is in its full dump position.
3. In this position the bin can be easily lifted off the pivot brackets.
4. Lift the new bin and place into the pivot brackets. Lower the bin so it latches.
5. Flip the bin links to the rear to lock it in place.



**NOTE:** *When installing or removing the Flexi-Deck Bin, it will be easier to handle if you remove the sides first to reduce the weight.*

## TERRA-TRACTION CONTROL

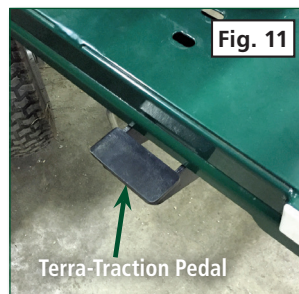
The Cyclone SuperHauler has a differential transmission. During regular drive mode the differential transmission makes for easy steering and maneuverability. When aggressive traction in tough conditions is needed then the differential can be locked by engaging the Terra-Traction feature.

### ENGAGING TERRA-TRACTION

1. For maximum traction, simply stop the unit and kick the Terra-Traction pedal down with your foot to engage the differential lock. (Figure 11)

Now the front wheels are locked together and you will have traction to get you through most any terrain.

**NOTE:** *This is an on-demand function for when you need the traction.*



### DISENGAGING TERRA-TRACTION

1. When you're moving again and out of the difficult situation, simply stop the unit and **pull up the Terra-Traction pedal with your toe to release.**

**NOTE:** *Leaving the Terra-Traction engaged will make it much more difficult to steer the Cyclone SuperHauler.*

# WARRANTY & MAINTENANCE

## PROTECTING YOUR INVESTMENT – PLEASE READ CAREFULLY

Your Cyclone SuperHauler is fully warrantied against defects in materials and workmanship for a period of three years from date of delivery for home use and one year for commercial use. It's very similar to a car warranty: if we did anything wrong in building your Cyclone SuperHauler, we will fix it. The owner is responsible for routine maintenance including oil changes, air filters and spark plugs.

**NOTE:** *Our SuperHauler Maintenance Kit includes everything you need: air filter, oil, spark plug, spark plug wrench, fuel stabilizer, drain pan, chain lube, and brush and shop towel. Order online or by phone.*

### WHAT'S NOT COVERED

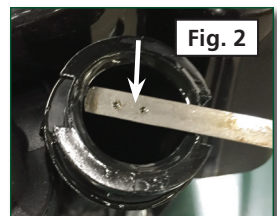
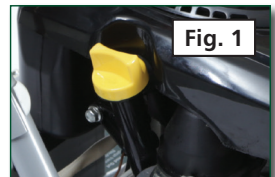
Just like your new car warranty, you are not covered for collision damage, accidents, abuse or failure to perform basic maintenance, like changing engine oil, spark plug, and air filter. Good news: There should be no need for out-of-warranty service if you follow the simple guidelines below.

## ENGINE MAINTENANCE

### CHECKING ENGINE OIL

1. Check the engine oil level with the yellow cap dipstick. (Figure 1)
2. The oil level should be between the two dots on the dipstick. (Figure 2)
3. Add oil as needed through the dipstick tube. Then, wipe up any oil spill.

**NOTE:** *Be careful not to overfill. The oil capacity is 20 ounces, but add oil using the dipstick as the measuring guide.*



**The recommended oil is 10W-30 service class SJ or higher.**

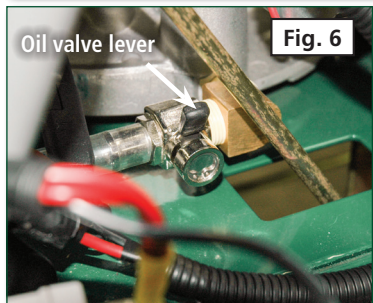
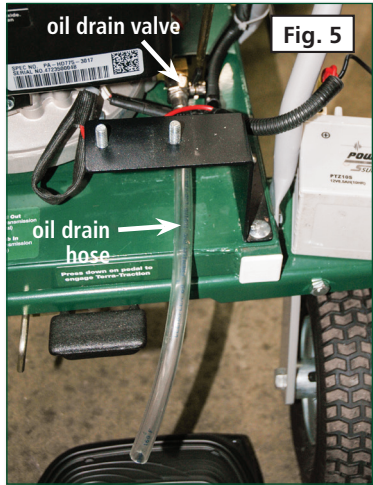
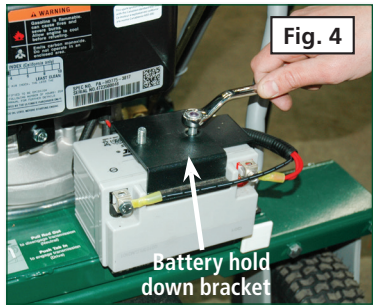
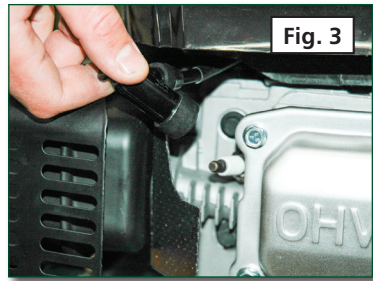
## CHANGING THE OIL

It is recommended to change the oil after the first 5 hours of operation and every 50 hours after that.

**Tools Supplied:** 1/2" box wrench

1. Make sure the SuperHauler is on a flat surface, the bin removed and the engine should be slightly warm.
2. Locate and disconnect the spark plug wire at the front of the engine (Figure 3) and then remove the dipstick.
3. Use the 1/2" wrench to remove the two nuts holding 07-01-474 "Battery Hold Down Bracket" over the battery. Set the bracket aside. (Figure 4)
4. Slide the battery off of the chassis and balance on the wheel strut.
5. Hold the end of the oil drain hose off the back of the SuperHauler, over a drain pan or empty bottle. (Figure 5)
6. Lift up on the drain valve's lever at the base of the hose and turn it away from the engine to drain. Once the oil is finished draining, close the valve again. (Figure 6)
7. Add new oil through the dipstick tube. **Do not overfill.** Wait one minute and check the oil level. Add more if needed. Wipe up any oil spill.
8. Reinstall the battery and battery hold down bracket. Tighten down the two nuts to secure.
9. Reinstall, tighten the dipstick and reconnect the spark plug wire.

**IMPORTANT:** *If you are not going to use the engine for 30 days or more, always add fuel stabilizer. This is available at any hardware store or in our SuperHauler Maintenance Kit. Refer to your Kohler® Owner's Manual.*

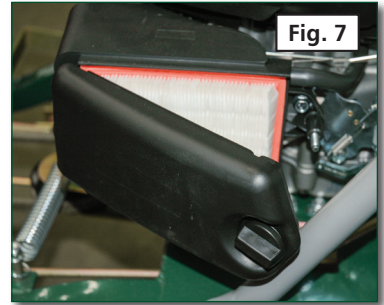


## AIR FILTER MAINTENANCE

It is recommended that you clean the air filter every 50 hours of use or at least once per year.

**NOTE:** *Operating engine with loose or damaged air cleaner components could cause premature wear and failure. Replace all bent or damaged components.*

1. Loosen knob and open air cleaner cover. (Figure 7)
2. Remove precleaner from inside the cover.
3. Replace or wash precleaner in warm water with detergent. Rinse and allow to air dry.
4. Reinstall precleaner into the cover.
5. Remove the paper element from base and replace.



**NOTE:** *The paper element cannot be blown out with compressed air.*

6. Install new paper element with pleated side out and seat the rubber seal onto the edges of the base.

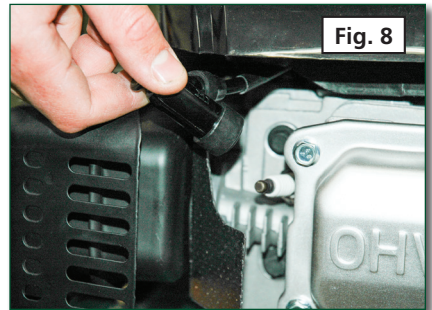
## SPARK PLUG MAINTENANCE

It is recommended that you replace the spark plug annually.

**Tools Needed:** 11/16" deep socket or spark plug wrench.

### REPLACING THE SPARK PLUG

1. Remove the bin for better access.
2. Locate and disconnect the spark plug wire at the front of the engine. (Figure 8)
3. Remove the spark plug with the 11/16" deep socket or spark plug wrench. Replace with a Kohler #14 132 14-S or equivalent.



**The spark plug gap should be 0.030 inches.**

# GENERAL SUPERHAULER MAINTENANCE:

## CHANGING THE DRIVE BELT

The drive belt is tensioned by a spring loaded idler and should never require adjustment.

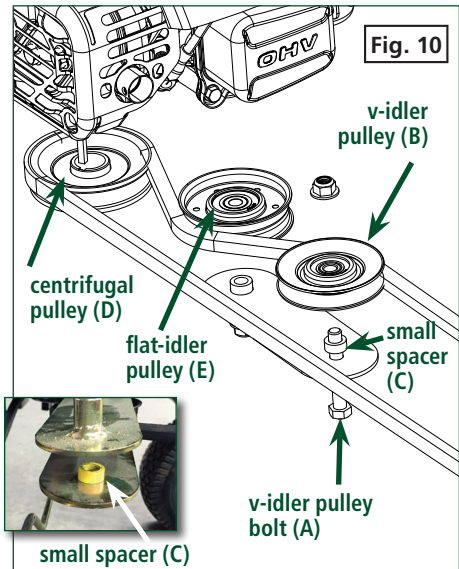
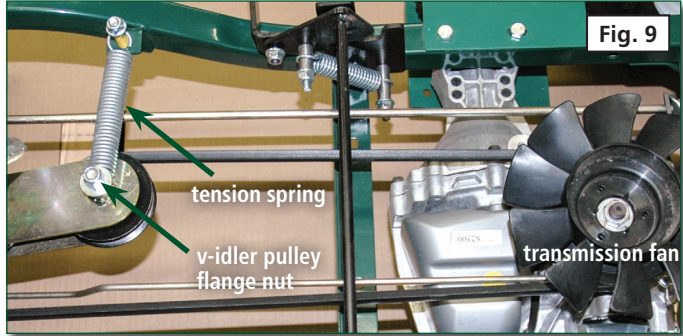


**However, if you notice belt slip while your Cyclone SuperHauler is under load, it is time to replace the belt.**

**NOTE:** *Make sure the engine is off and cold.*

**Tools Needed:** (2)  
9/16" wrenches

1. Turn the engine off and remove the bin for easier access to the drive belt. (Figure 9)
2. Start by removing the v-idler pulley flange nut and the tension spring from the v-idler pulley with two 9/16" wrenches. Leave the spring attached to the chassis. (Figure 9)
3. Remove the bolt holding the v-idler pulley **(A)** and remove the v-idler pulley **(B)**. Be careful to save the small spacer **(C)** under the pulley. (Figure 10)
4. The belt can now be removed.
5. Loosely drape the new belt over the transmission and below the fan. Pull the belt and wrap it around the centrifugal clutch pulley **(D)**. (Figure 10)
6. Route the flat side of the belt up against the flat idler pulley **(E)**. (Figure 10)





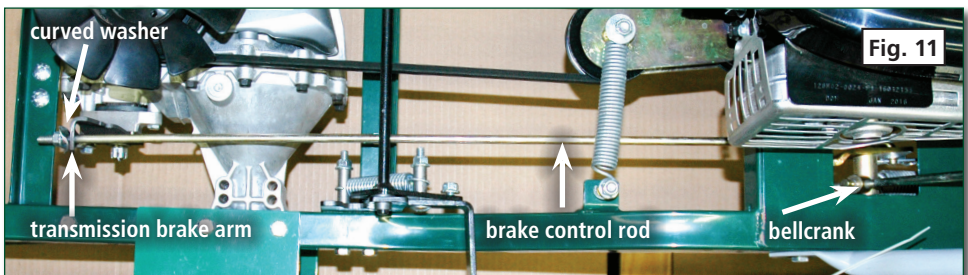
7. Replace the v-idler pulley *making sure to include the small spacer below the pulley*. Insert the bolt up through spacer and pulley.
8. Hook the spring over the v-idler pulley bolt then secure with the washer and nylon lock nut.
9. Now, walk the belt around to the transmission pulley and you're done.

## BRAKE CONTROL

When the brake release lever is released, the brake control rod running to the transmission brake arm should pull the curved washer snug against the surface of the brake arm. This ensures the brake fully engages when the operator is not at the SuperHauler's controls.

When the brake release lever is pressed to the handle bar, the brake control rod moves forward, releasing from the transmission brake arm. If the curved washer can move freely, the brake is fully disengaged.

**If releasing the brake fails to hold your Cyclone SuperHauler in place, the brake control linkage may need adjustment.**

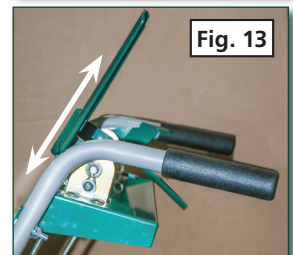
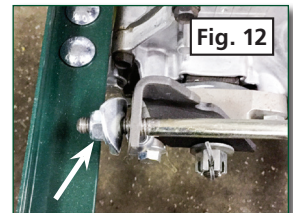


## ADJUSTING THE BRAKE CONTROL

**Tools Supplied:** 1/2" wrench

1. Turn the engine off and remove the bin for easier access to the brake control linkage. (Figure 11)
2. Loosen the 5/16-18 nylon flange locknut that holds the curved washer against the transmission brake arm. (Figure 12) The brake release lever *should align with the front face of the control panel*. (Figure 13)

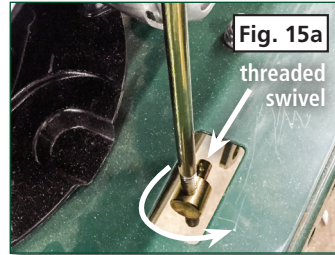
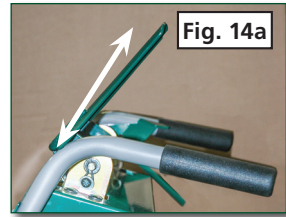
**If it does, your brake linkage is properly adjusted and you can continue to step 4.**



**If It does not, continue to step 3A or 3B.**

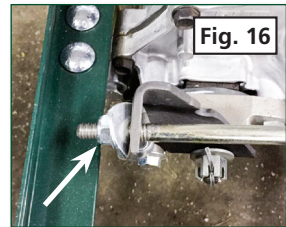
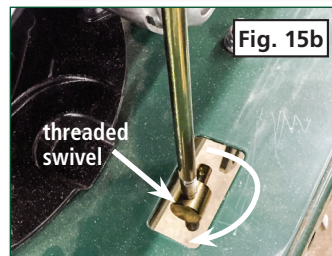
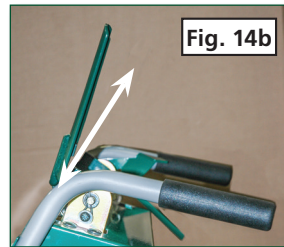
**3A If your brake release lever leans too far back (Figure 14a):**

- 1a. Locate the brake bellcrank. (Figure 11)
- 2a. Remove the R-clip and washer and set aside. Slide the threaded swivel out of the brake bellcrank.
- 3a. Shorten the brake release control rod by turning the threaded swivel *counter-clockwise (looking down at the engine plate) 1 rotation.* (Figure 15a)
- 4a. Reinstall the threaded swivel into the bellcrank and check again. Repeat until the brake release lever is in line with the front of the control panel.



**3B If your brake release lever leans too far forward (Figure 14b):**

- 1b. Locate the brake bellcrank. (Figure 11)
  - 2b. Remove the R-clip and washer and set aside. Slide the threaded swivel out of the brake bellcrank.
  - 3b. Lengthen the brake release control rod by turning the threaded swivel *clockwise (looking down at the engine plate) 1 rotation.* (Figure 15b)
  - 4b Reinstall the threaded swivel into the bellcrank and check again. Repeat until the brake release lever is in line with the front of the control panel.
4. Tighten the 5/16-18 nylon flange locknut until the brake release lever barely "dips" or tilts back from the front of the control panel. (Figure 16)

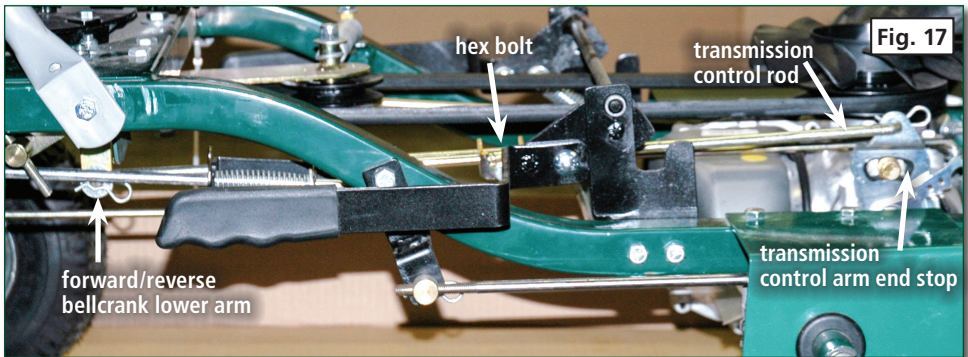


## FORWARD/REVERSE CONTROL

The linkage is designed so that the transmission control arm reaches the end stop just as the forward/reverse lever meets the handlebar grip.



**If your Cyclone SuperHauler fails to reach its full forward speed of 3.0 mph with the forward/reverse lever fully pulled up, or you are unable to pull the lever up to meet the handlebar grip, you may need to adjust the forward/reverse control linkage.**



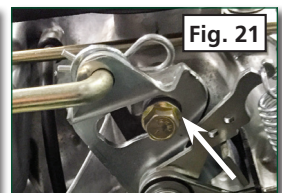
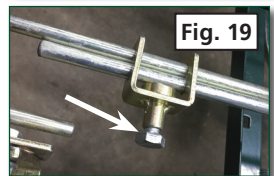
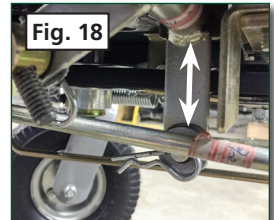
### ADJUSTING THE FORWARD/REVERSE CONTROL

Tools Supplied: 1/2" wrench

1. Turn the engine off and remove the bin for easier access to the forward/reverse control linkage. (Figure 17)
2. Locate the forward/reverse bellcrank under the engine. (Figure 17) Check that the lower arm of the bellcrank is vertical. (Figure 18)

**If it is not vertical**, loosen the 5/16-18 hex bolt holding the two lower control rods together in the adjustment bracket. (Figure 19) Manually move the forward/reverse bellcrank until its lower arm is vertical. Then tighten the 5/16-18 hex bolt in the adjustment bracket.

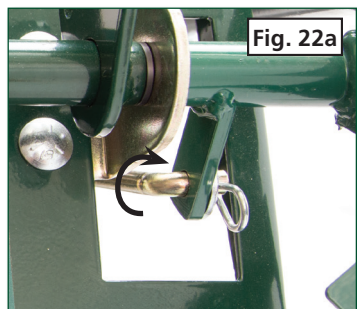
3. Stand at the handlebar, pull the forward/reverse lever up to the handlebar grip. The lever should just meet the underside of the handlebar grip when fully pulled up. (Figure 20) And, the slot on the transmission control arm should be very close to its end stop. (Figure 21)



*If the transmission control arm does not reach the end stop or you still can't pull the lever up to the grip* continue to step 4A or 4B.

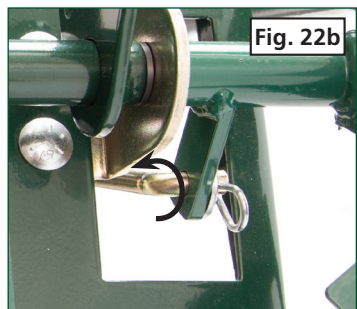
**4A The forward/reverse lever reaches the underside of the handlebar grip before the transmission bellcrank reaches the end stop, or you still can't hit full forward speed:**

- 1a. Locate and remove the R-clip and washer holding the upper forward/reverse control rod in the control lever, under the dashboard.
- 2a. Slip the bent end of the rod out of the lever and rotate the rod **clockwise one rotation**. Replace the rod.(Figure 22a)
- 3a. Pull the forward/reverse lever up and check to see if the transmission control arm has reached its end stop.
- 4a. **If not**, repeat until the control lever meets the handlebar grip and the transmission control arm reaches its end stop.
- 5a. Replace the washer and R-clip into the control lever.



**4B If you are unable to pull the forward/reverse lever up fully to meet the handlebar grip:**

- 1b. Locate and remove the R-clip and washer holding the upper forward/reverse control rod in the control lever, under the dashboard.
- 2b. Slip the bent end of the rod out of the lever and rotate the rod **counter-clockwise one rotation**. (Figure 22b)
- 3b. Pull the forward/reverse lever up and check to see if the transmission control arm has reached its end stop.
- 4b. **If not**, repeat until the control lever meets the handlebar grip and the transmission control arm reaches its end stop.
- 5b. Replace the washer and R-clip into the control lever.



## ADJUSTING THE CHAIN TENSION

Over time, and particularly with heavy-duty use, you may notice the drive chains connecting the transmission to the drive wheels getting loose.

**If you notice excessive slack in the drive chains, or hear your chain "popping" over sprocket teeth while under load, you may need to adjust chain tension.**

**Tools Needed: 3/4" wrench or ratchet, 1/2" wrench (2),  
3/8" ratchet with short extension (optional)**

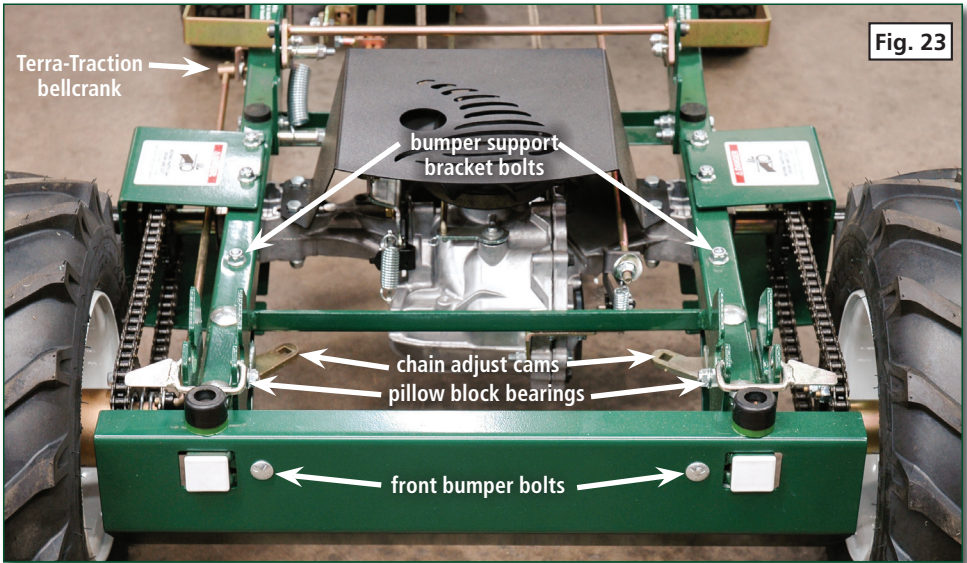


Fig. 23

1. Make sure the SuperHauler is on flat surface, the engine is turned off and the Terra-Traction pedal is in the "up" or disengaged position.
2. Remove the bin for best access. (Figure 23)
3. Remove the two 5/16-18 bumper support bracket hex bolts and the two 5/16-18 carriage bolts holding the front bumper to the front of the chassis. Set these aside. (Figure 23)
4. Raise the front end of the SuperHauler frame so that the drive wheels are off the ground and can spin freely.
5. Locate and loosen the two 1/2-13 nylon lock nuts under each pillow block bearing supporting the front axle. (Figure 24)

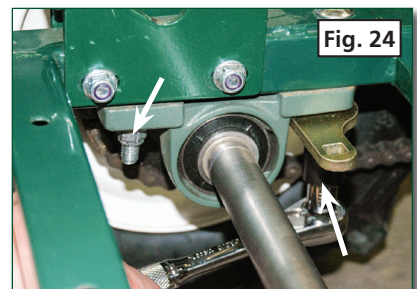
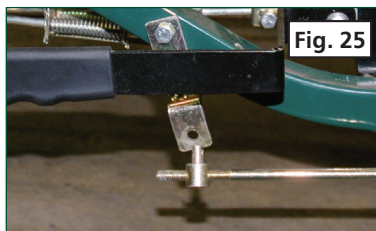


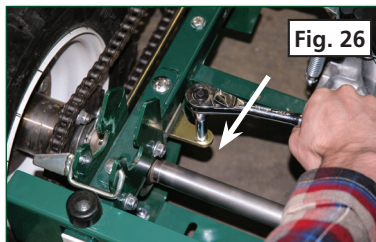
Fig. 24

6. Locate the Terra-Traction bellcrank (Figure 23). Remove the R-clip and washer holding the threaded swivel in the bellcrank. Slip the threaded swivel out of the bellcrank and allow to sit loose. (Figure 25)



7. Reach into the chassis of the SuperHauler and locate the two chain adjust cams. (Figure 23)

8. Tighten the chain tension by pulling the end of the chain adjust cams **toward the front** of the machine. If it is difficult to move the cams, a 3/8" square ratchet drive with extension can be fitted into the square hole on each cam, allowing for more leverage. **Try to maintain equal tension in both chains.** (Figure 26)



**NOTE:** *The loose side of each chain should allow for 1/4"-1/2" of slack. Too tight a chain will lead to premature wear.*

9. After the chains are tensioned, tighten the 1/2-13 lock nuts under the pillow blocks that hold the front axle in place.

**IMPORTANT:** *Alternate from side to side as you tighten the lock nuts. An equal chain tension is easier to obtain with the alternating method. The nuts should be very tight to avoid loosening of the chain.*

10. Move over to the Terra-Traction bellcrank. Rotate the threaded swivel until its smaller end lines up with the hole in the Terra-Traction bellcrank. Push the threaded swivel back into the hole and replace its washer and R-clip.
11. Replace the front bumper and support brackets before using.

## REPLACING THE CHAIN



**Tools Needed:** 3/4" wrench or ratchet, 1/2" wrenches (2), 3/8" ratchet with short extension (optional), small flat head screwdriver

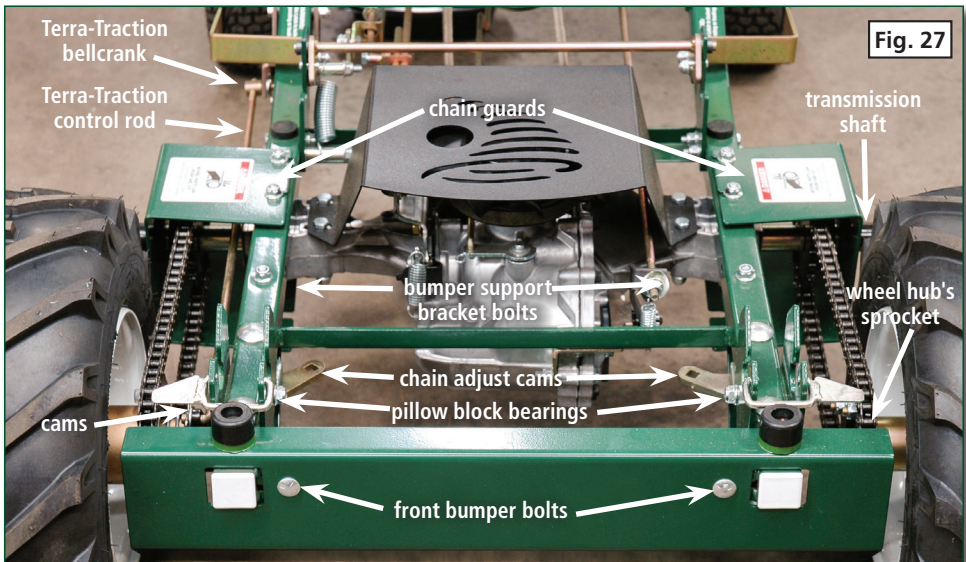


Fig. 27

1. Make sure the SuperHauler is on a flat surface, the engine is turned off and the Terra-Traction pedal is in the "up" or disengaged position.
2. Remove the bin for best access. (Figure 27)
3. Remove the two 5/16-18 bumper support bracket hex bolts and the two 5/16-18 carriage bolts holding the front bumper to the front of the chassis. Set these aside. (Figure 27)
4. Raise the front end of the SuperHauler frame so that the wheels are off the ground and can spin freely.
5. Locate and loosen the two 1/2-13 nylon lock nuts under each pillow block bearing supporting the front axle. (Figure 28)
6. Locate the Terra-Traction bellcrank attached to the Terra-Traction control rod. (Figure 27). Remove the R-clip and washer holding the threaded swivel in the bellcrank. Slip the threaded swivel out of the bellcrank and allow to sit loose. (Figure 29)

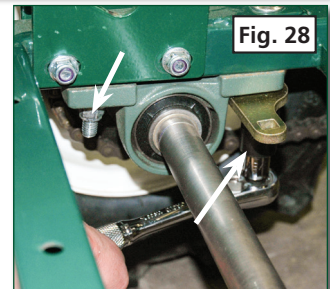


Fig. 28

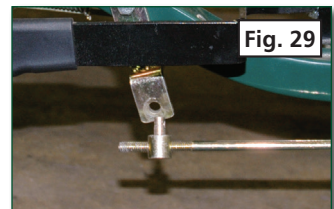
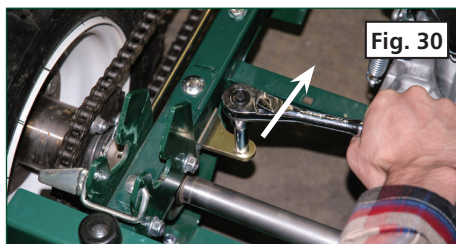


Fig. 29

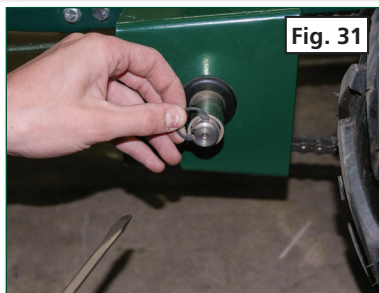
7. Reach into the chassis of the SuperHauler and locate the two chain adjust cams. (Figure 27)

8. Push both cam ends towards the rear of the machine. Then, push the axle towards the rear of the machine until it stops. (Figure 30)



9. Locate the transmission shaft. Remove the vinyl shaft cover on each side of the transmission. (Figure 27)

10. Remove the retaining ring on the end of the shaft with a flat head screwdriver and set aside. (Figure 31)

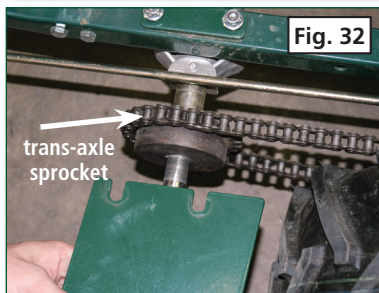


11. Loosen the 5/16-18 nylon flange locknuts holding each chain guard on. Slip the chain guard and spacer off the end of the transmission shaft to reveal the trans-axle sprocket (Figure. 32)

10. Spin the front wheel until you locate the chain's connecting link.

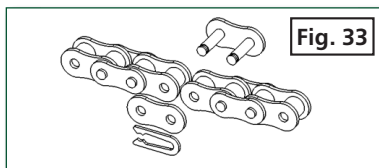
11. Using a flathead screwdriver, push or pry the connecting link away from its open end until it unseats and pops off the chain link's pins.

12. Remove the outer plate and master link from the chain, and remove the chain. (Figure 33)



13. Wrap the replacement chain around the trans-axle sprocket, and feed it around the wheel hub's sprocket.

14. Stage the loose ends of the chain on two adjacent teeth of the wheel hub's sprocket for ease of connecting link replacement.



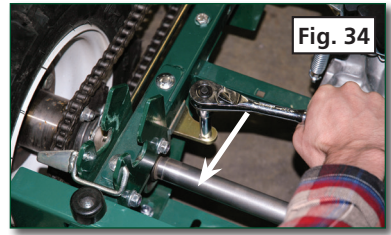
15. Slip the new connecting link's pins through the rollers on each loose end of the chain. Push the outer plate back over those pins, and slide the connecting link clip back over the pins until it "clicks" into place.

16. Repeat steps 10-15 on the other chain.

17. Replace both chain guards.



18. Pull the end of the chain adjust cams toward the front of the machine. If it is difficult to move the cams, a 3/8" square ratchet drive with extension can be fitted into the square hole on each cam, allowing for more leverage. **Try to maintain equal tension in both chains.** (Figure 34)

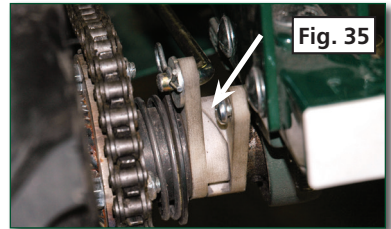


**NOTE:** *The loose side of each chain should allow for 1/4"-1/2" of slack. Too tight a chain will lead to premature wear.*

19. After the chains are tensioned, tighten the 1/2-13 lock nuts under the pillow blocks that hold the front axle in place.

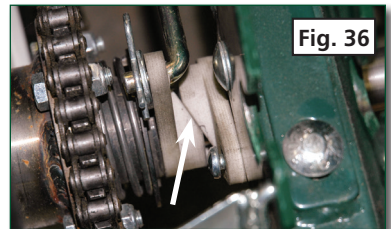
**IMPORTANT:** *Alternate from side to side as you tighten the lock nuts. An equal chain tension is easier to obtain with the alternating method. The nuts should be very tight to avoid loosening of the chain.*

20. Locate the cams on the front axle. Gently pull the Terra-Traction control rod toward the back of the SuperHauler to align the cams as shown. (Figure 35)



**NOTE:** *Use care in pulling the Terra-traction control rod. Pulling too hard will misalign the cams. (Figure 36)*

21. Once the cams are aligned properly, move over to the Terra-Traction bellcrank. Rotate the threaded swivel until its smaller end lines up with the hole in the Terra-Traction bellcrank. Push the threaded swivel back into the hole and replace its washer and R-clip.



22. Replace the front bumper and support brackets before using.

## CHANGING A REAR WHEEL TIRE / REPLACING A TUBE

Tools needed: 3/4" wrench (2), 1/2" socket (2), 9/16" wrench (2)

1. Make sure the SuperHauler engine is turned off. Then raise the back end so the wheels spin freely.
2. Remove the rear wheel assembly by removing the outside 3/8-16 bolt with two 9/16" wrenches. The wheel assembly can then be removed. (Figure 37)
3. Next you'll remove the main axle bolt with a pair of 3/4" wrenches. (Figure 38)
4. Now you'll separate the two wheel flanges using two 1/2" sockets. (Figure 39)
5. The rear wheel has a tube which can now be removed and repaired or replaced.
6. Reverse the procedure to finish the repair.

**NOTE:** *Make sure the tire stem is fully inserted in the wheel flange.*

7. After the two flanges are reattached, *inflate to 25 psi air pressure.*



Fig. 37

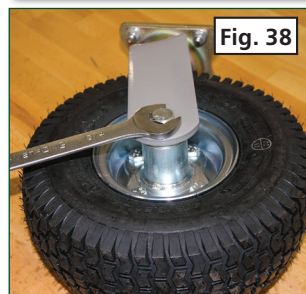


Fig. 38

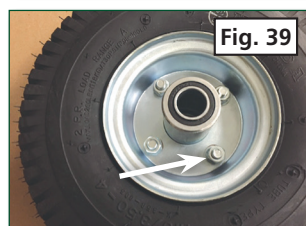


Fig. 39

## CHANGING THE FRONT WHEELS

Tools Needed: 3/4" or 19 mm socket

The front wheels are tubeless tires which cannot be easily repaired by the average user.

1. Make sure the SuperHauler engine is turned off. Then remove the four nylon insert lock nuts with a 3/4" socket. (Figure 40)
2. Take the tire to a power equipment dealer or tire shop for repair.
3. Replace the wheel by fitting it over the wheel studs and firmly tighten the nylon insert lock nuts with the 3/4" socket.

**NOTE:** *The tire should be inflated to 14 psi air pressure.*

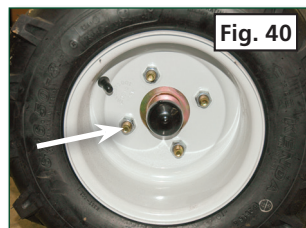


Fig. 40





# **Cyclone SuperHauler**

## **PARTS LIST**





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<b>Chassis Assembly</b> .....	2
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# CHASSIS ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-03-001	Chassis as Assembled	1
2	01-01-153	5/16" -18 x 2" Bolt, Grade 5	3
3	07-01-151	5/16" -18 Nylon Insert Flange Nut	23
4	01-01-170	5/16" -18 x 1.5" Hex Bolt	3
5	07-01-100	1/2" -13 x 3" Carriage Bolt	4
6	07-01-243	Spring Standoff Tube	1
7	07-01-099	1/2" -13 Nylon Insert Flange Nut	4
8	07-02-053	Front Bumper with Rubber Feet	1
9	01-01-1034	5/16" -18 x 1.75 Carriage Bolt	2
10	07-01-217	Bumper Support Bracket	2
11	01-01-1131	5/16" -18 x 1.75" Hex Bolt	4
12	07-01-034	5/16" -18 x 0.75" Carriage Bolt	2
13	07-01-290	Nylon Bushing, 12OD x 8ID x 6LG	1
14	01-01-165	5/16" -18 x 2.5 Bolt, Grade 5	5
15	07-03-024	Transmission Assembly	1
16	07-01-103	5/16" -18 x 4" Hex Bolt	4
17	07-01-004	Transmission Backing Plate	2
18	07-01-249	Chain Guard Grommet	2
19	07-01-248	Chain Guard	2
20	07-01-309	Reverse Limit Bracket	1
21	07-01-310	Threaded Backing Plate	1
22	07-01-328	Latch Spring Lower Spring Standoff Tube	2
23	01-01-170	5/16" -18 x 3.5" Bolt	2
24	07-03-018	Bin Latch Assembly	1
25	07-01-256	Bin Latch Spring	1
26	07-01-423	Chain Adjust Cam	2
27	07-03-025	Engine Assembly	1
28	01-01-070	Rubber Foot	2
29	07-01-438	Front Bumper Spacer	2
30	07-01-016	10-24 x 3/4" Pan Head Screw	2
31	07-01-443	10-24 x 1" Pan Head Screw	2
32	07-01-017	10-24 Nylon Insert Flange Nut	2



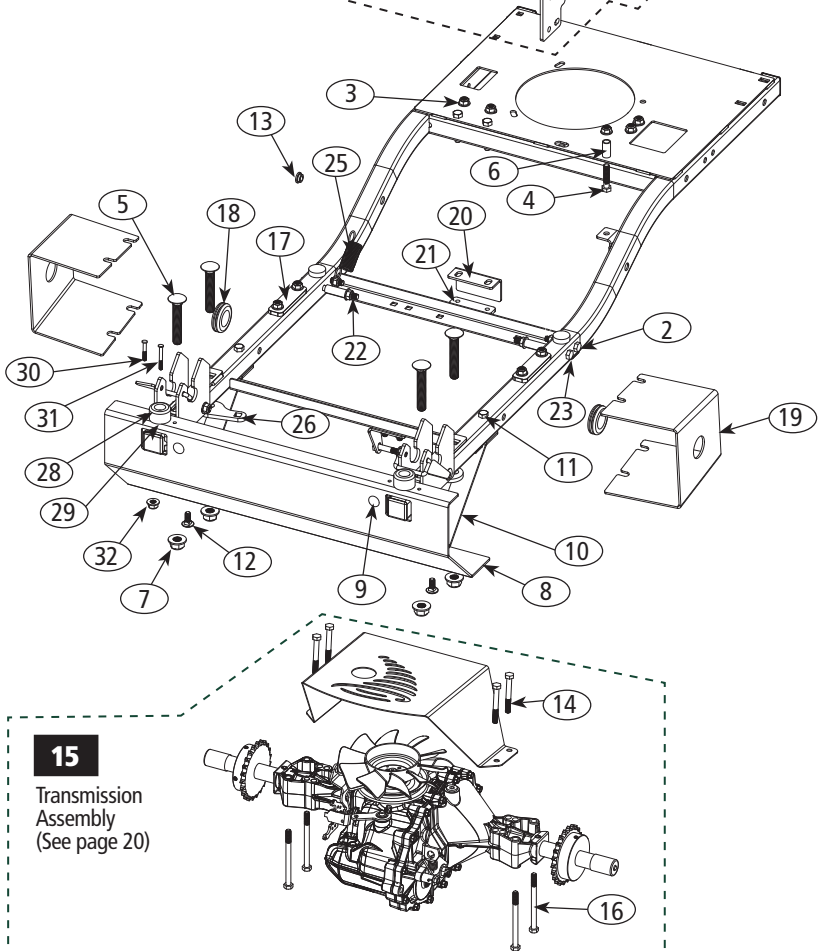
# CHASSIS ASSEMBLY

**1** Chassis Assembly

**27** Engine Assembly (see page 21)

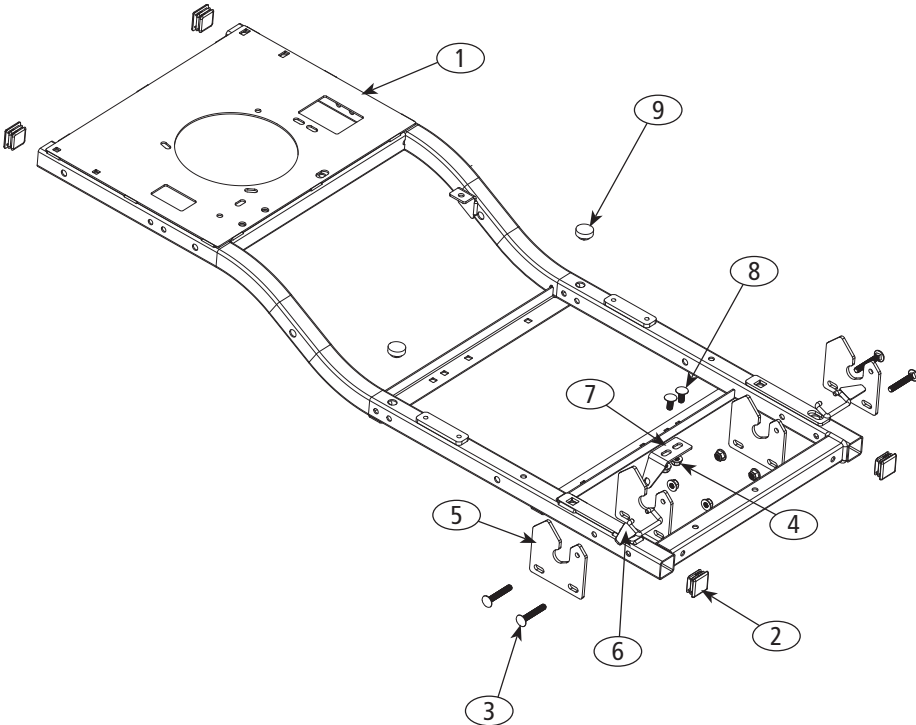
**24**

Bin Latch Assembly  
(See page 5)



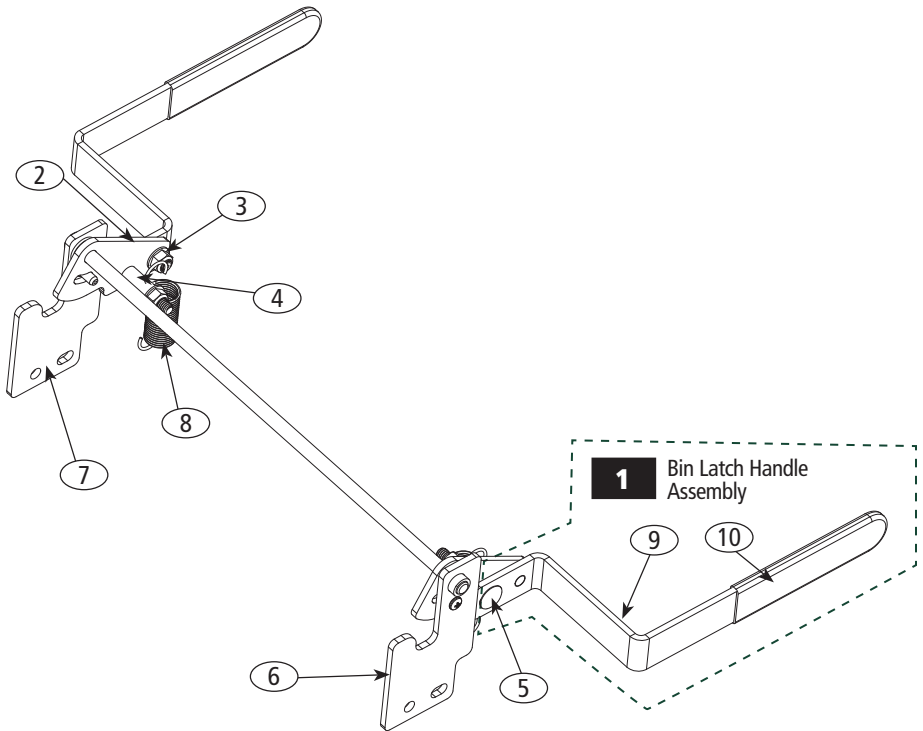
# CHASSIS

Key #	Part #	Part Name	Qty
1	07-02-001	Chassis as Welded	1
2	01-01-472	Cap Plug, 32 mm or 1.25" square	4
3	07-01-014	5/16" - 18 x 2" Carriage Bolt	4
4	07-01-151	5/16" - 18 Nylon Insert Flange Nut	6
5	07-01-009	Bin Pivot Bracket	4
6	07-02-067	Lock Link Weldment	2
7	07-01-012	Transmission Anti Pitch Bracket	1
8	07-01-034	5/16" - 18 x 0.75" Carriage Bolt	2
9	07-01-329	Rubber Grommet Bumper	2



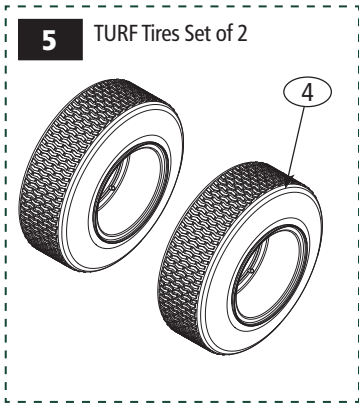
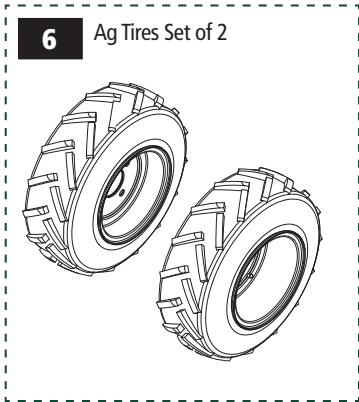
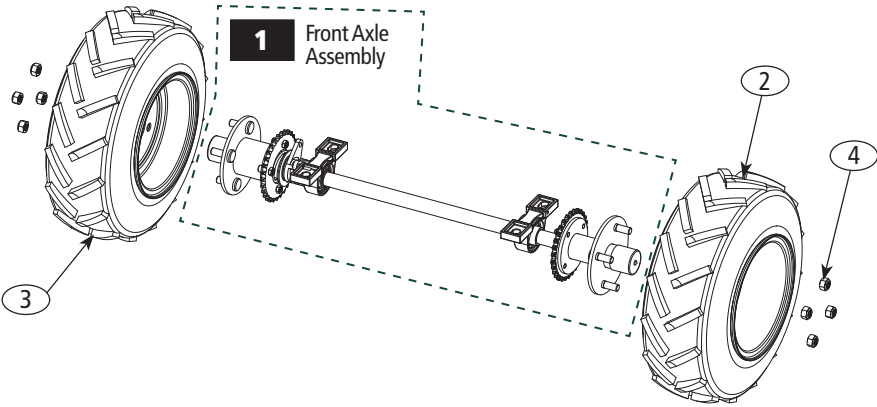
# BIN LATCH ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-02-043	Bin Latch Handle Assembly	2
2	07-02-042	Bin Latch Weldment	1
3	07-01-151	5/16" -18 Nylon Insert Flange Nut	4
4	07-01-243	Spring Standoff Tube	2
5	07-01-014	5/16" -18 x 2" Carriage Bolt	2
6	07-02-058	Bin Latch Bracket Assembly - Left	1
7	07-02-059	Bin Latch Bracket Assembly - Right	1
8	07-01-256	Bin Latch Spring	1
9	07-01-250	Latch Handle	1
10	07-01-253	Bin Latch Grip	1



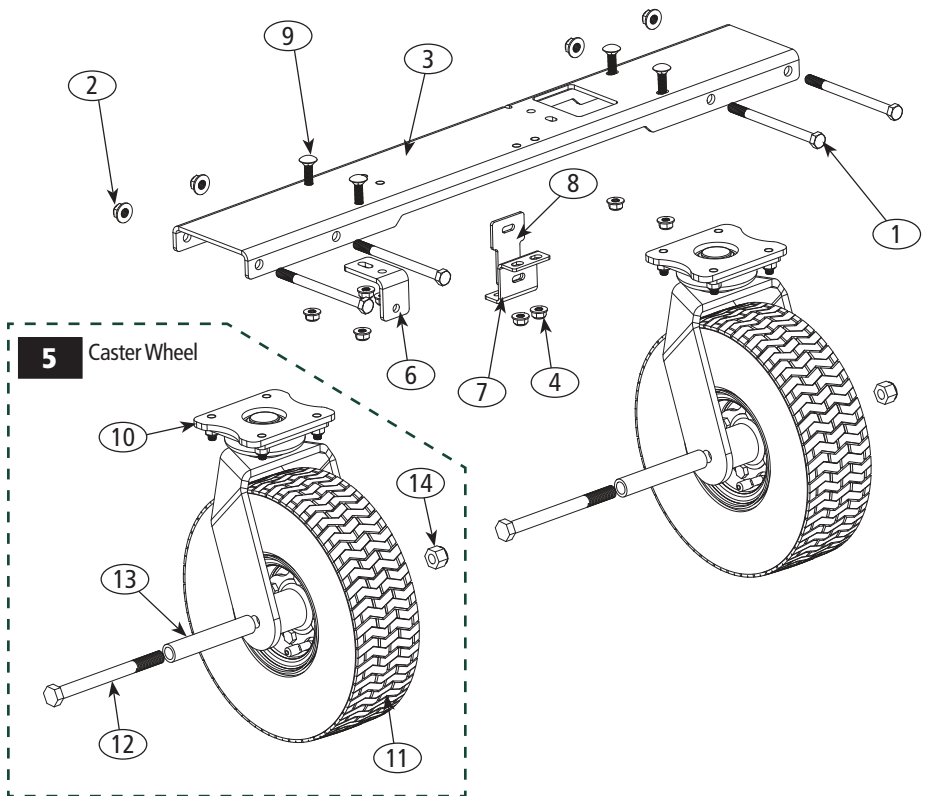
# FRONT AXLE AND WHEELS

Key #	Part #	Part Name	Qty
1	07-03-014	Front Axle Assembly	1
2	07-02-004	16" All Terrain Wheel - Left	1
3	07-02-002	16" All Terrain Wheel - Right	1
4	07-01-028	M12 x 1.25" Nylon Insert Lock Nut	8
5	709	Turf Tire - set of 2	1
6	708	All-Terrain Tire - set of 2	1



# REAR WHEEL STRUT ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-01-422	3/8" -16 x 5" Hex Bolt	4
2	07-01-230	3/8" -16 Nylon Insert Lock Nut	4
3	07-02-024	Rear Wheel Strut with Studs	1
4	07-01-151	5/16" -18 Nylon Insert Flange Nut	8
5	01-02-602	Caster Wheel	2
6	07-01-247	Brake Spring Tensioning Bracket	1
7	07-01-273	Pull Rod Plate	1
8	07-01-274	Locking Tab Bypass	1
9	07-01-014	5/16" -18 x 2" Carriage Bolt	4
10	01-03-055	Fork and Bearing Assembly	2
11	01-01-826	Tire and Wheel Assembly	2
12	01-01-822	1/2" -13 x 5.5" Single Wheel Axle Bolt	2
13	01-01-881	Single Wheel Axle Tube	2
14	01-01-823	1/2" -13 Nylon Insert Lock Nut	2
15	01-01-399	Inner Tube (not shown)	2



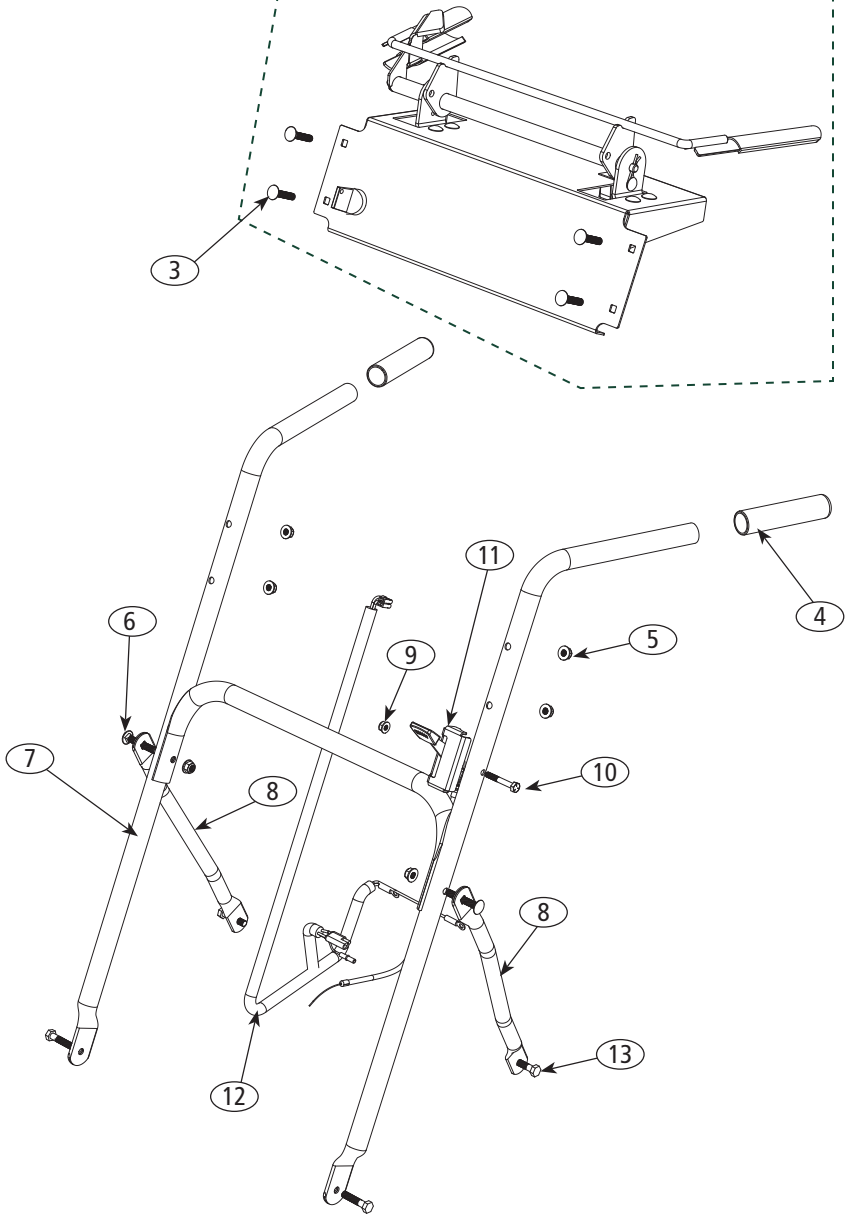
## HANDLEBAR ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-03-005	Handlebar Assembly	1
2	07-02-007	Dashboard and Control Assembly	1
3	07-01-075	5/16" -18 x 1.5" Carriage Bolt	4
4	07-01-045	Hand Grip	2
5	07-01-151	5/16" -18 Nylon Insert Flange Nut	6
6	07-01-014	5/16" -18 x 2" Carriage Bolt	2
7	07-02-080	Handle Tube Weldment	1
8	07-01-501	Brace Tube	2
9	07-01-137	1/4"-20 Nylon Insert Flange Nut	1
10	07-01-476	1/4"-20 x 1.75" Hex Bolt	1
11	07-02-022	Cable Control Assembly	1
12	07-01-505	Electric Start Wire Harness	1
13	01-01-170	5/16" -18" x 1.5" Hex Bolt	4

# HANDLEBAR ASSEMBLY

## 1 Handlebar Assembly

## 2 Dashboard and Control Assembly (See page 10)

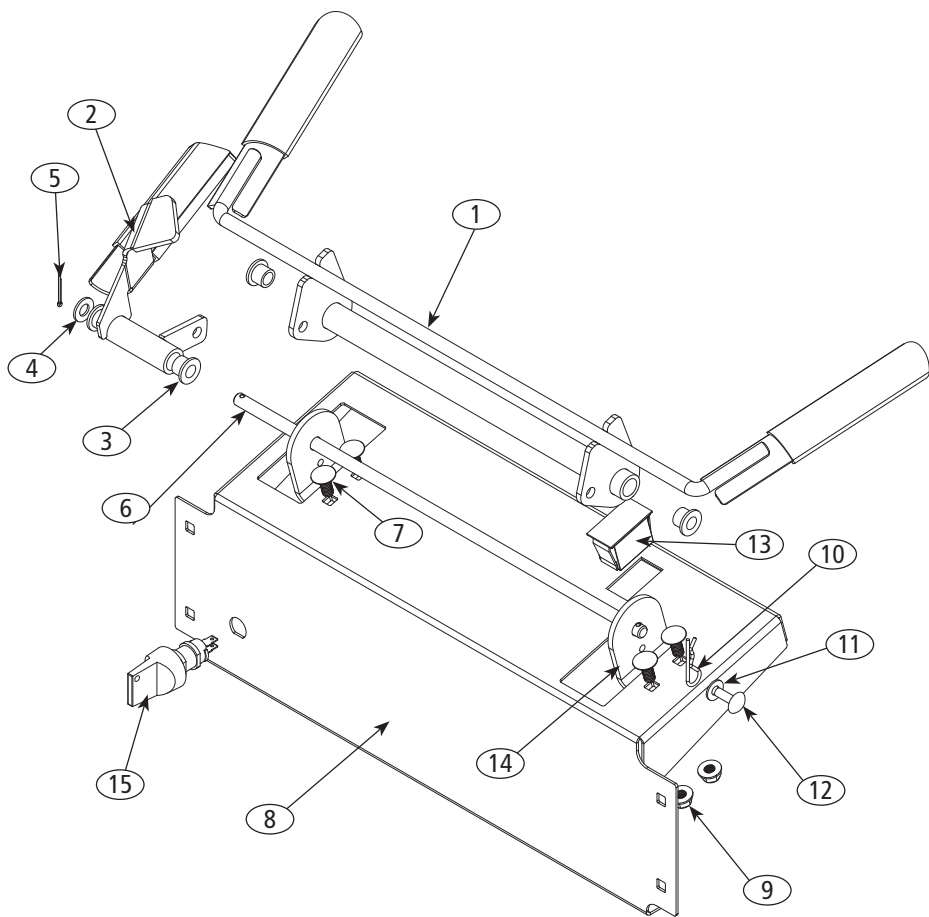


## DASHBOARD AND CONTROL ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-02-008	Brake Release Weldment	1
2	07-02-006	Forward and Reverse Control Weldment	1
3	07-01-245	Nylon Bushing, 14OD x 10ID x 12LG	4
4	01-01-180	3/8" Washer	1
5	07-01-321	3/32" x 3/4" Cotter Pin	1
6	07-01-030	Control Pivot Rod	1
7	07-01-034	5/16"-18 x 0.75" Carriage Bolt	4
8	07-01-050	Control Panel	1
9	07-01-151	5/16"-18 Nylon Insert Flange Nut	4
10	01-01-473	R-Clip, 42mm	1
11	01-01-1610	1/4" Washer	1
12	01-01-188	1/4"-20 x 0.75" Truss Head Screw	1
13	07-01-097	Knockout Cover	1
14	07-01-033	Control Pivot Bracket	2
15	07-01-457	Key Switch and Key	1



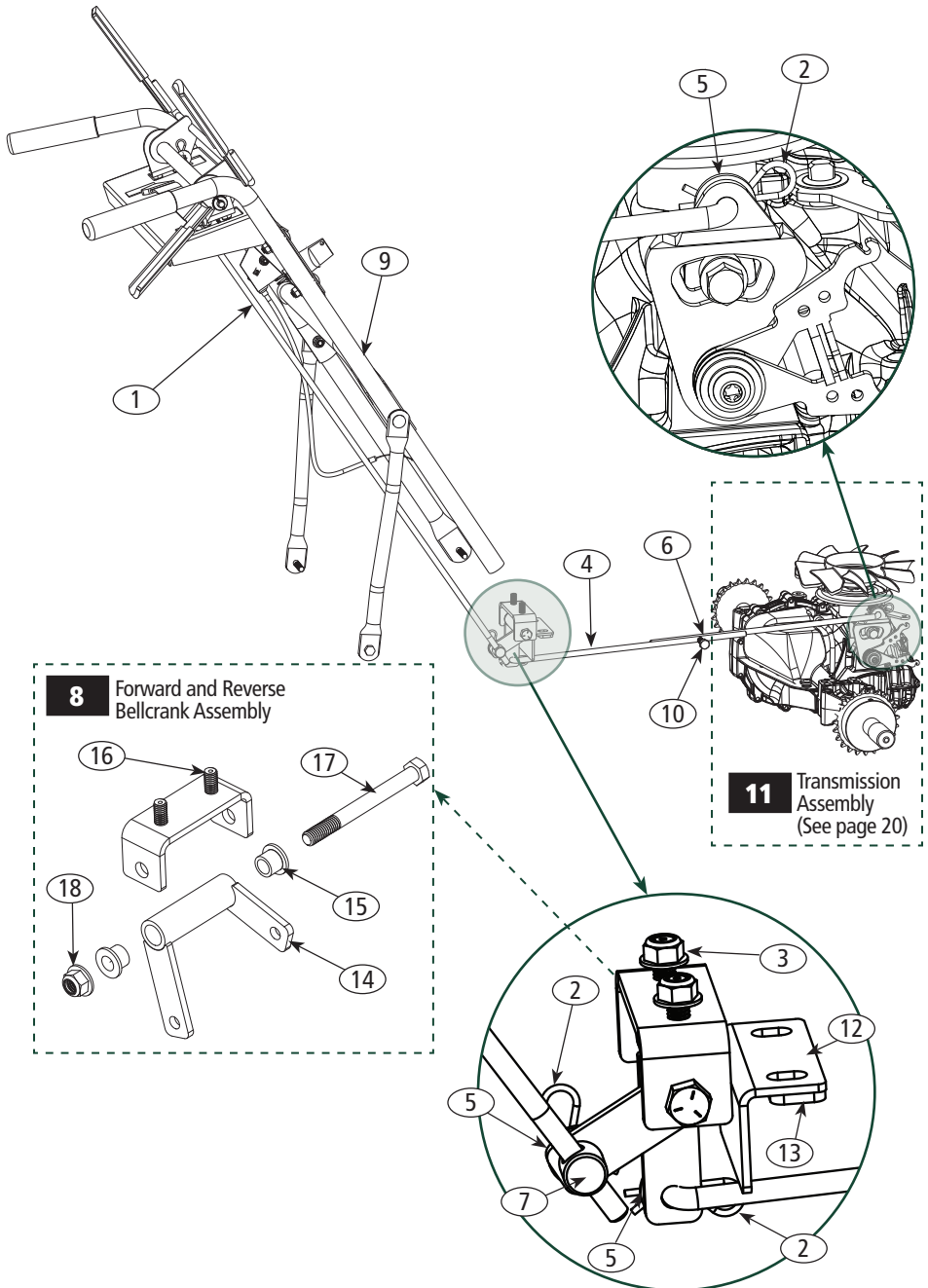
# DASHBOARD AND CONTROL ASSEMBLY



## ACCELERATOR LINKAGE

Key #	Part #	Part Name	Qty
1	07-01-141	Upper Control Rod.....	1
2	01-01-473	R-Clip, 42mm.....	6
3	07-01-151	5/16" -18 Nylon Flange Nut.....	5
4	07-01-133	Forward and Reverse Lower Rod.....	2
5	01-01-152	5/16" Washer Type A Series W.....	7
6	07-02-017	Forward and Reverse Adjustment Bracket Weldment.....	1
7	07-01-139	Threaded Swivel.....	1
8	07-03-017	Forward and Reverse Bellcrank as Assembled.....	1
9	07-03-005	Handlebar Assembly.....	1
10	01-01-201	5/16" -18 x 3/4" Hex Bolt.....	1
11	07-03-024	Transmission Assembly.....	1
12	07-01-309	Reverse Limit Bracket.....	1
13	07-01-310	Threaded Backing Plate.....	1
14	07-02-020	Forward and Reverse Bellcrank Weldment.....	1
15	07-01-245	Nylon Bushing, 14OD x 10ID x 12LG.....	2
16	07-02-019	Forward and Reverse Bellcrank Pivot with Studs.....	1
17	07-01-266	3/8" -16 x 3.75" Hex Bolt.....	1
18	07-01-230	3/8" -16 Nylon Insert Lock Nut.....	1

# ACCELERATOR LINKAGE



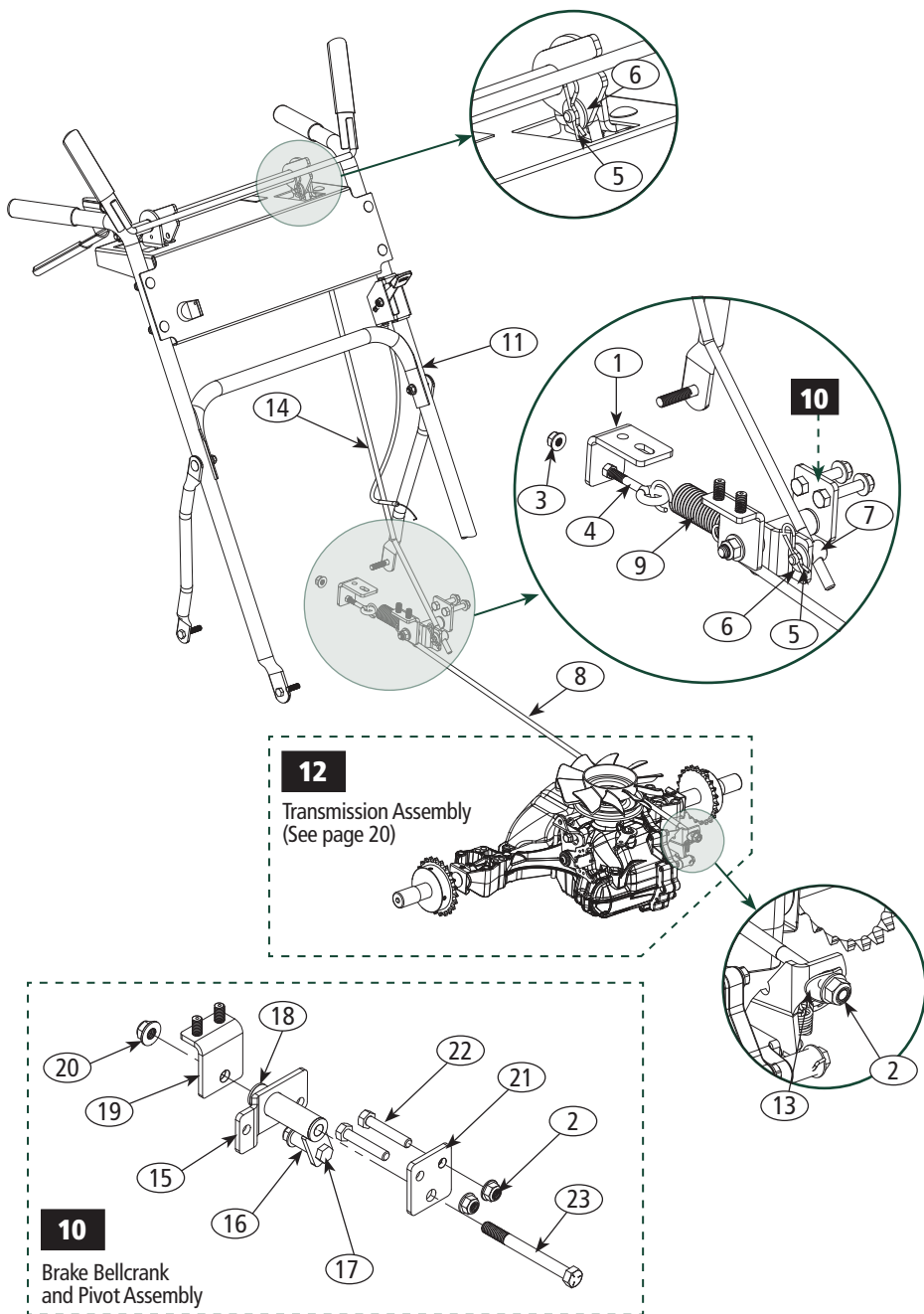
**8** Forward and Reverse Bellcrank Assembly

**11** Transmission Assembly (See page 20)

## BRAKE LINKAGE

Key #	Part #	Part Name	Qty
1	07-01-247	Brake Spring Tensioning Bracket	1
2	07-01-151	5/16" -18 Nylon Insert Flange Nut	6
3	07-01-137	1/4" -20 Nylon Insert Flange Nut	1
4	07-01-109	1/4" -20 x 2" Routing Eyebolt	1
5	01-01-473	R-Clip, 42mm	3
6	01-01-152	5/16" Washer	3
7	07-01-139	Threaded Swivel	1
8	07-01-146	Brake Release Lower Rod	1
9	07-01-158	Brake Spring	1
10	07-03-026	Brake Bellcrank and Pivot Assembly	1
11	07-03-005	Handlebar Assembly	1
12	07-03-024	Transmission Assembly	1
13	07-01-144	Curved Washer	1
14	07-01-346	Brake Upper Control Rod	1
15	07-02-014	Brake Release Bellcrank Weldment	1
16	07-01-243	Spring Standoff Tube	1
17	01-01-170	5/16" -18 x 1.5" Hex Bolt	1
18	07-01-245	Nylon Bushing, 14OD x 10ID x 12LG	2
19	07-02-015	Brake Pivot Bracket with Studs	1
20	07-01-230	3/8" -16 Nylon Insert Lock Nut	1
21	07-01-234	Brake Pivot Flat	1
22	01-01-1131	5/16" -18 x 1.75" Hex Bolt	2
23	07-01-266	3/8" -16 x 3.75" Hex Bolt	1

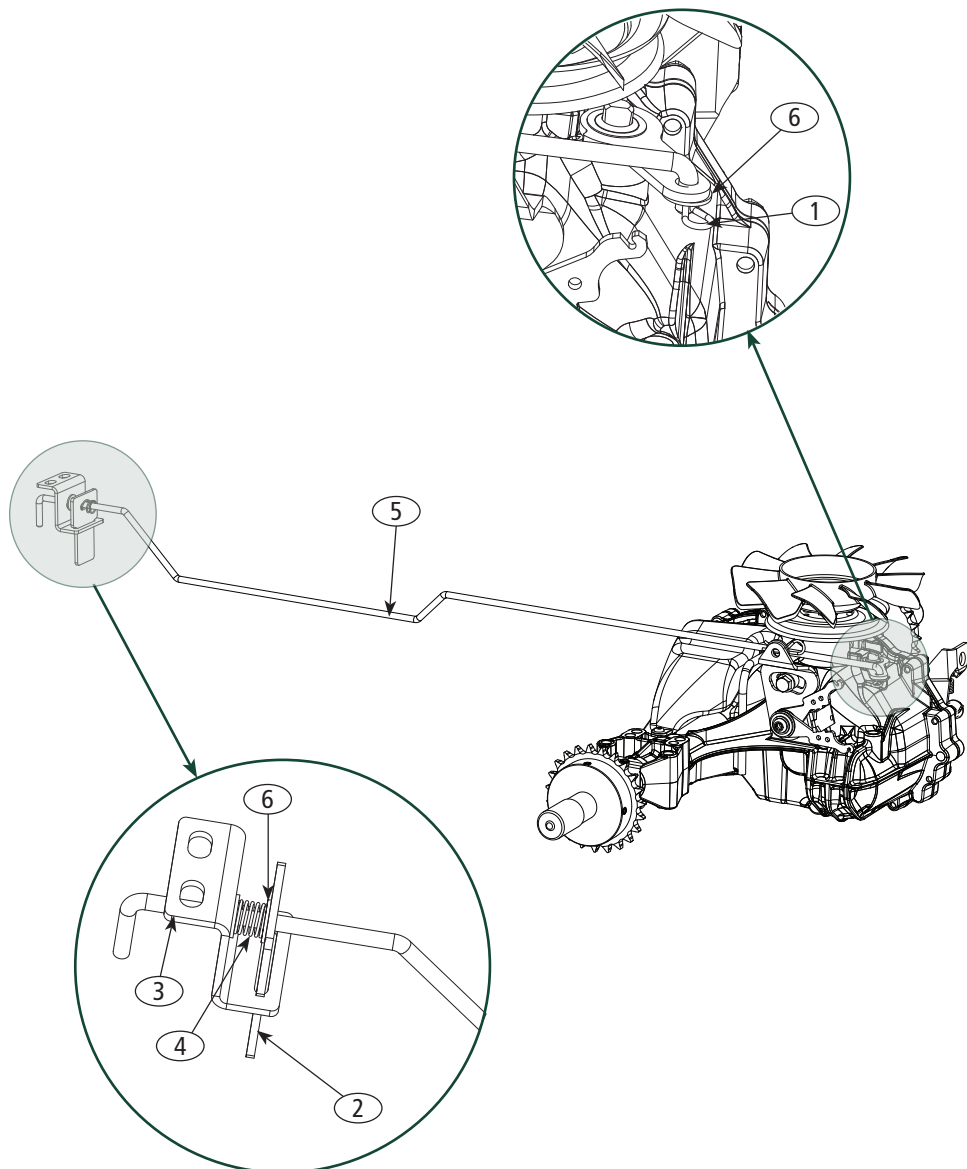
# BRAKE LINKAGE



## BYPASS LINKAGE

Key #	Part #	Part Name	Qty
1	07-01-307	Bypass Rod R-Clip for 1/4" Rod	1
2	07-01-274	Locking Tab Bypass	1
3	07-01-273	Pull Rod Plate	1
4	07-01-275	Bypass Spring	1
5	07-01-142	Transmission Bypass Rod	1
6	01-01-1610	1/4" Washer	3

# BYPASS LINKAGE



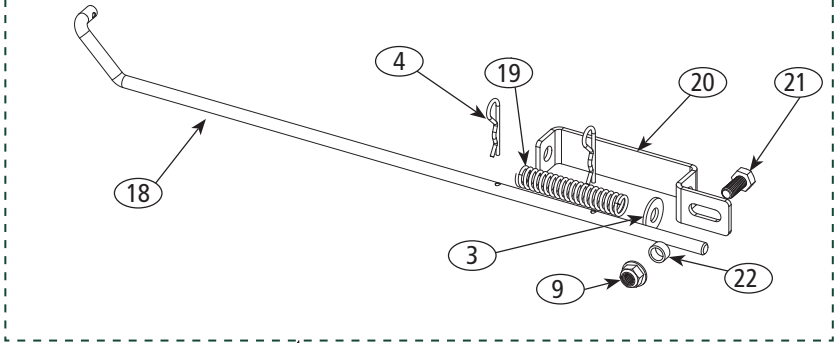
# TERRA-TRACTION LINKAGE

Key #	Part #	Part Name	Qty
1	07-03-014	Front Axle Assembly	1
2	07-01-258	Terra-Traction Front Rod	1
3	01-01-152	5/16" Washer	3
4	01-01-473	R-Clip, 42mm	4
5	07-02-046	Terra-Traction Bellcrank Weldment	1
6	07-01-139	Threaded Swivel	1
7	07-01-290	Nylon Bushing, 12OD x 8ID x 6LG	2
8	01-01-165	5/16" x 18 x 2.5" Lg Hex Bolt	1
9	07-01-151	5/16" -18 Nylon Flange Nut	3
10	07-02-052	Terra-Traction Rear Control Rod Assembly	1
11	07-03-027	Terra-Traction Pedal Assembly - Complete	1
12	07-01-321	3/32" x 3/4" Cotter Pin	1
13	07-02-023	Pedal Assembly	1
14	07-02-010	Terra-Traction Pivot Bracket with Studs	1
15	07-01-242	Terra-Traction Overcentering Spring	1
16	01-01-135	5/16" -18 x 1" Carriage Bolt	2
17	07-01-280	Dog Clutch Pedal Inner Bushing	2
18	07-01-157	Terra-Traction Control Rod Rear	1
19	07-01-263	Terra-Traction Yield Spring	1
20	07-01-261	Terra-Traction Yield Spring Bracket	1
21	01-01-201	5/16" -18 x 3/4" Hex Bolt	1
22	07-01-262	Pivot Standoff Tube	1

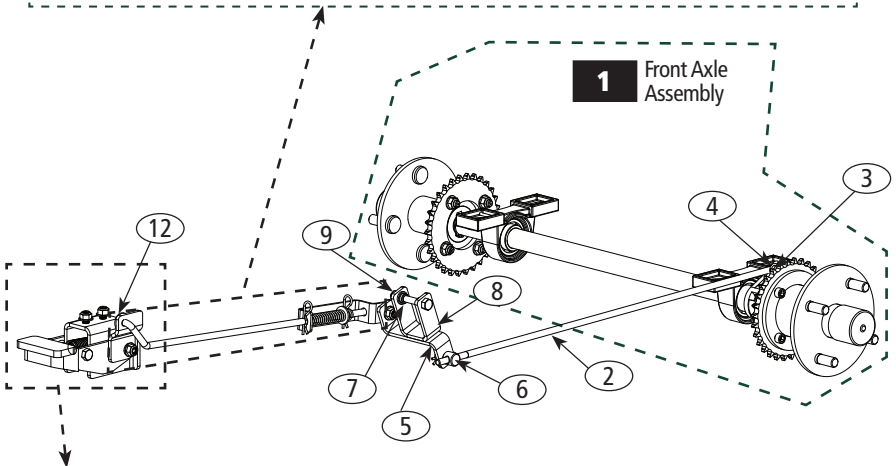


# TERRA-TRACTION LINKAGE

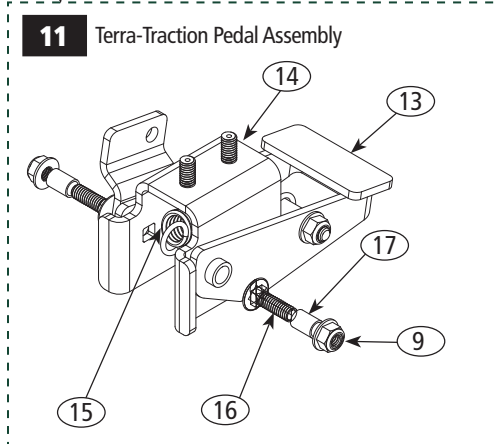
**10** Terra-Traction Control Rod Assembly



**1** Front Axle Assembly

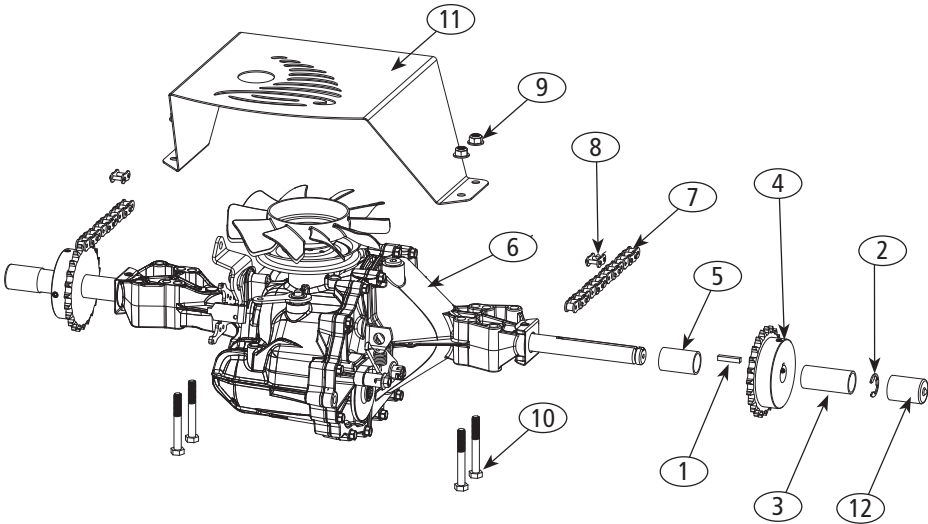


**11** Terra-Traction Pedal Assembly



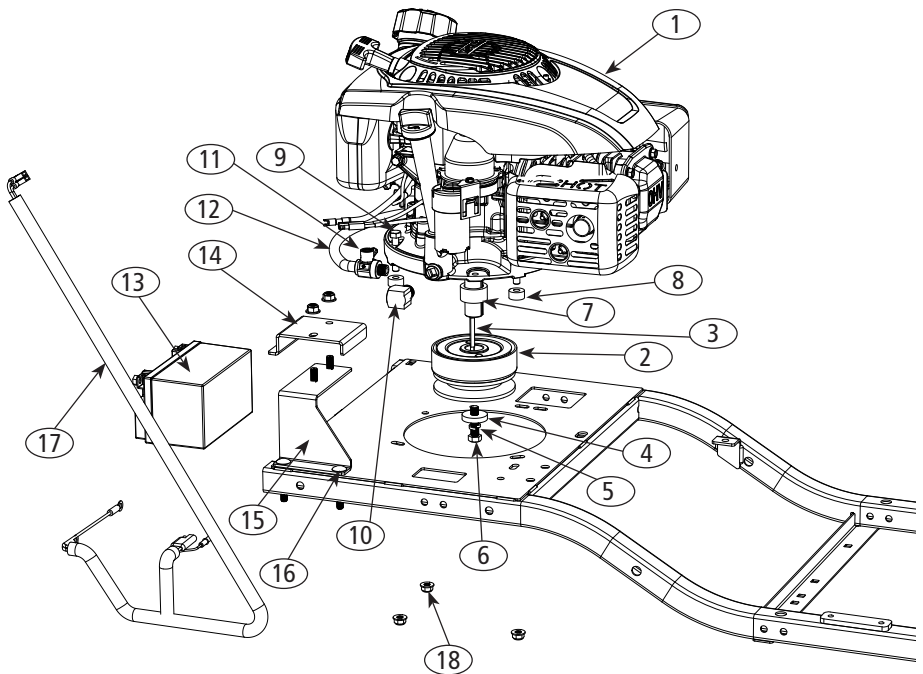
# TRANSMISSION ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-01-112	Transaxle Key	2
2	07-01-113	0.75" Side Mount Retaining Ring	2
3	07-01-114	Transaxle Spacer Tube - Outer	2
4	07-01-111	ANSI 40 Sprocket, 23 Teeth	2
5	07-01-115	Transaxle Spacer Tube - Inner	2
6	07-01-108	HydroGear Transmission	1
7	07-01-135	ANSI 40 Chain	2
8	07-01-118	Chain Connecting Link	2
9	07-01-151	5/16" -18 Nylon Insert Flange Nut	4
10	01-01-165	5/16" -18 x 2.5" Hex Bolt	4
11	07-01-444	Cam Shroud	1
12	07-01-453	RVC 1x1.5"	2



# ENGINE ASSEMBLY

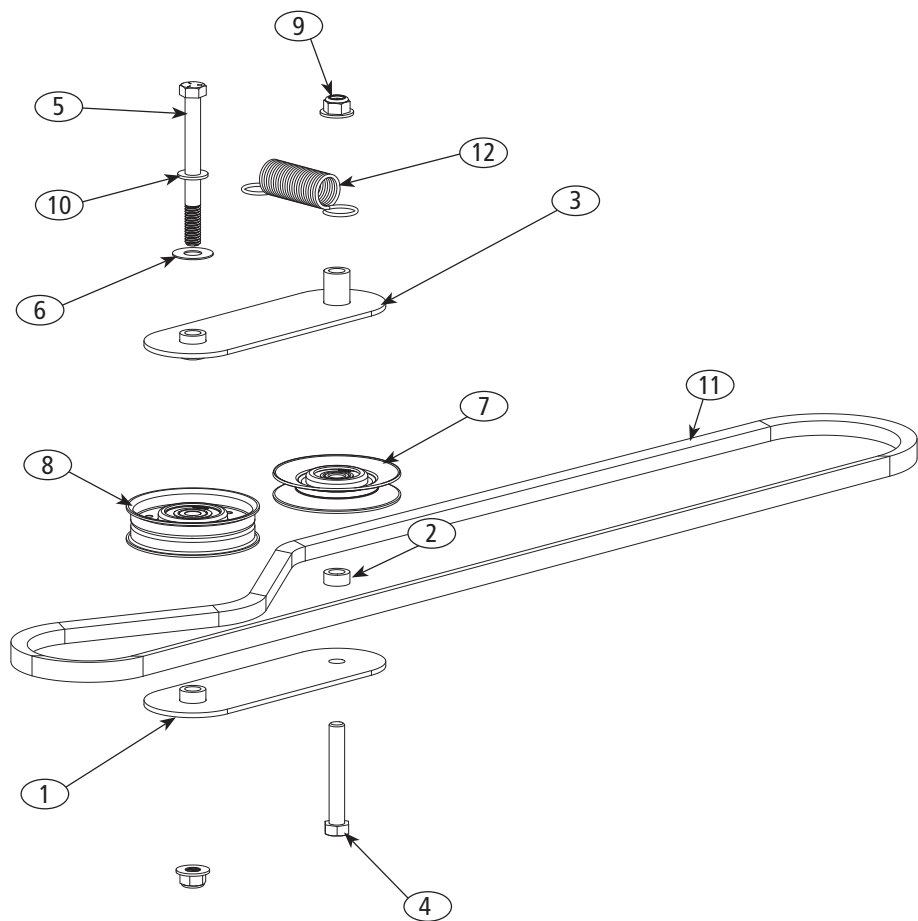
Key #	Part #	Part Name	Qty
1	07-01-458	Kohler HD775-3017 Engine	1
2	07-01-451	Centrifugal Clutch	1
3	07-01-106	Engine Pulley Key	1
4	01-01-302	Fan Washer	1
5	01-01-192	3/8" Lockwasher	1
6	07-01-162	3/8"-24 x 1.5" Hex Bolt	1
7	07-01-455	Engine Crank Spacer	1
8	07-01-450	Engine Spacer	3
9	01-01-1131	5/16"-18 x 1.75" Hex Bolt	3
10	07-01-460	3/8" NPT Elbow	1
11	07-01-504	Oil Drain Valve	1
12	07-01-520	Oil Drain Hose	1
13	07-01-456	Battery	1
14	07-01-474	Battery Hold Down Bracket	1
15	07-02-083	Battery Standoff with Studs	1
16	07-01-014	5/16"-18 x 2" Carriage Bolt	2
17	07-01-505	Wire Harness	1
18	07-01-151	5/16"-18 Nylon Insert Flange Nut	5



## DRIVE BELT & TENSIONER

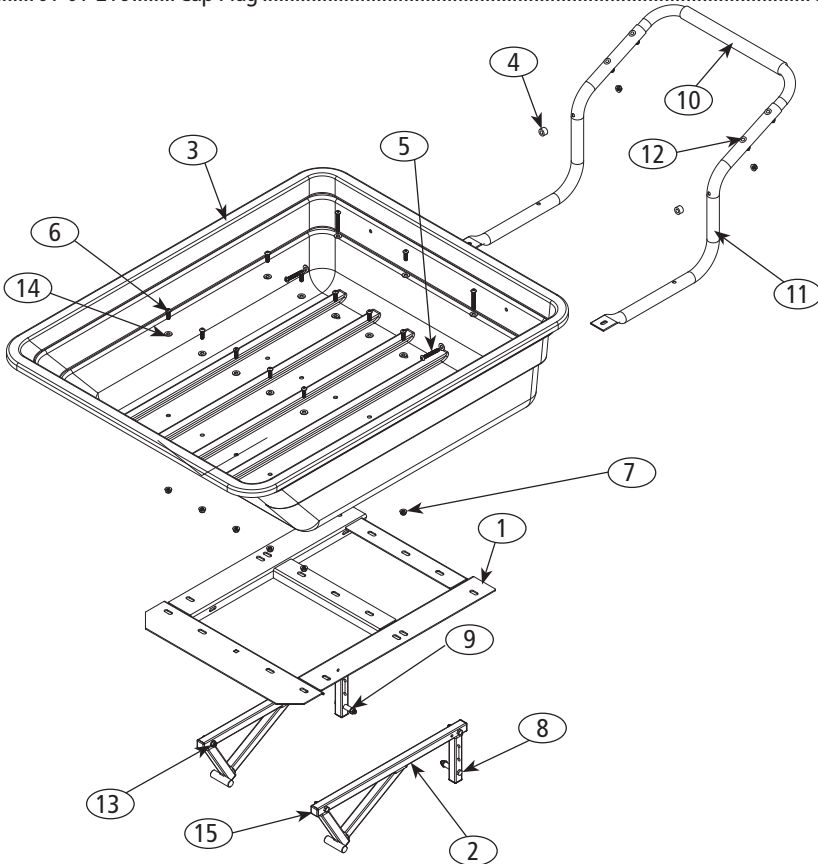
Key #	Part #	Part Name	Qty
1	07-02-035	Tensioner Weldment - Lower	1
2	07-01-229	Tensioner Bushing 7 mm	1
3	07-02-034	Tensioner Weldment - Upper	1
4	01-01-1815	3/8-16 x 2.5" Grade 5 Hex Bolt	1
5	07-01-266	3/8-16 x 3.75" Hex Bolt	1
6	01-01-196	Nylon washer, 11 x 25 x 0.8 mm	1
7	07-01-083	V Belt Idler, 3" OD	1
8	07-01-084	Flat Idler	1
9	07-01-230	3/8" -16 Nylon Insert Lock Nut	2
10	01-01-180	3/8" Washer	1
11	07-01-107	4L650 Drive Belt	1
12	07-01-110	Idler Spring	1

# DRIVE BELT & TENSIONER



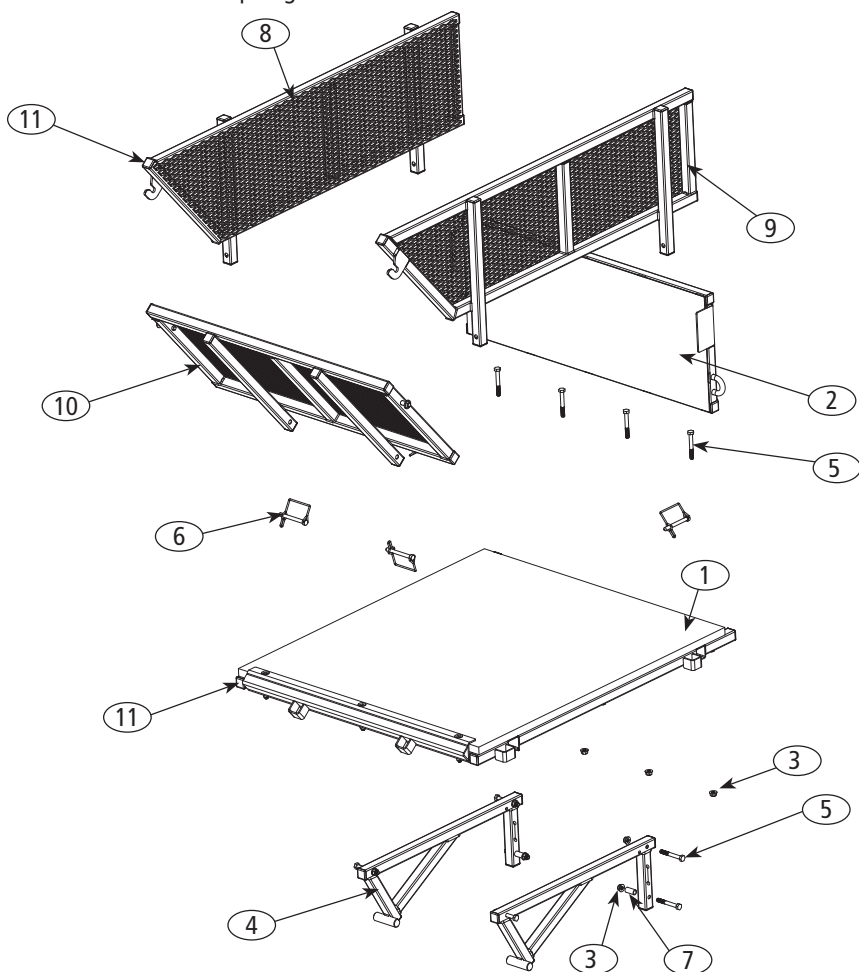
# BULK BIN ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-02-056	BTC-001 Chassis Weldment	1
2	07-03-011	Bin Leg as Assembled	2
3	07-01-287	BTC-001 Bulk Bin	1
4	07-01-143	Steel Bushing	2
5	07-01-379	5/16" -18 x 2.25" Button Head Cap Screw	4
6	07-01-378	5/16" -18 x 1" Button Socket Cap Screw	11
7	07-01-151	5/16" -18 Nylon Insert Flange Nut	25
8	01-01-165	5/16" -18 x 2.5" Bolt, Grade 5	2
9	07-01-243	Spring Standoff Tube	2
10	07-02-071	Bulk Bin Handle Tube with Pad	1
11	07-01-356	BTC001 Bin Handle Leg	2
12	01-01-1034	5/16" -18 x 1.75" Carriage Bolt	4
13	01-01-150	5/16" -18 x 1.5" Hex Bolt	4
14	07-01-380	Washer Black	15
15	01-01-216	Cap Plug	8



# FLEXI-DECK ASSEMBLY

Key #	Part #	Part Name	Qty
1	07-03-008	Flexi-Deck Chassis as Assembled	1
2	07-03-019	Rear Panel as Assembled	1
3	07-01-151	5/16" -18 Nylon Insert Flange Nut	10
4	07-03-011	Bin Leg as Assembled	2
5	01-01-165	5/16" -18 x 2.5" Bolt, Grade 5	10
6	07-01-294	5/16" x 2.5" Clevis Pin	4
7	07-01-243	Spring Standoff Tube	2
8	07-03-030	Flexi-Deck Right Panel	1
9	07-03-031	Flexi-Deck Left Panel	1
10	07-03-032	Flexi-Deck Front Panel	1
11	01-01-216	Cap Plug	30



# NOTES





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