ECOLAWN
APPLICATOR

Manuel de l’utilisateur

www.ecolawnapplicator.com

Eco 250

MERCI d'avoir acheté un épandeur Ecolawn. Votre nouvel équipement a été soigneusement conçu et assemblé pour que vous puissiez l'utiliser durant de nombreuses années. Ce manuel contient des instructions en matière de sécurité et des conseils sur l'entretien général qui vous permettront de conserver votre appareil dans un état de fonctionnement optimal. Veuillez lire ce manuel et la liste des pièces attentivement avant de débuter l'assemblage, l'utilisation ou l'entretien de l'appareil.

Voici 5 principes d'utilisation des produits Ecolawn:

1. Utiliser seulement des produits d'épandage de qualité et tamisés;
2. Respecter les poids et volumes de chargement recommandés;
3. Emplir la cuve délicatement pour éviter la compaction;
4. Planifier le processus d'épandage avant de débuter, surtout sur les terrains en pente;
5. Actionner le système de dispersion à vide avant l'utilisation pour en vérifier le fonctionnement. Préparer l'opération d'épandage à l'avance. Effectuer des ajustements au fur et à mesure et éviter les réparations majeures.

Pour de plus amples renseignements, consultez notre site internet ou contactez-nous.

Internet : www.ecolawnapplicator.com

Tél : 1-866-326-5296

Un épandage efficace commence par une bonne préparation!

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Moteur

Le boîtier d'engrenages de l'épandeur Ecolawn est rempli d'huile (SAE 30) avant l'expédition. Cependant, le niveau d'huile doit être vérifié pour s'assurer que la quantité d'huile soit conforme au manuel du propriétaire avant l'utilisation. **Le moteur ne contient pas d'huile** et doit être empli au niveau approprié avant l'utilisation. Utilisez de l'essence sans plomb seulement. N'utilisez PAS DE MÉLANGE HUILE/ESSENCE. Consultez le manuel du propriétaire pour plus d'information.

Garantie d'un an Ecolawn Applicator®

Conditions: Les équipements Ecolawn sont garantis contre tous défauts matériels et de fabrication pour une durée d'un an à partir de la date de l'achat. Pour être admissible, l'équipement doit avoir été enregistré sur le site www.ecolawnapplicator.com (sous l'onglet « Produits »). Cette garantie d'un an ne s'applique qu'au propriétaire d'origine du produit Ecolawn.

À compter de la date d'achat d'un produit enregistré, Ecolawn remplacera gratuitement toute pièce (autre que les pièces moteur*) jugée défectueuse en raison d'un vice de matière ou de fabrication par Ecolawn ou l'un de ses agents.

* Note : Le moteur est couvert par une garantie distincte. Consultez le manuel du moteur pour plus de détails.

Instructions de sécurité

Ce manuel contient des informations sur l'utilisation de l'épandeur ECO 250 d'Ecolawn seulement. Le mode d'emploi du moteur ne fait pas partie de ce manuel. Veuillez consulter la manuel du moteur pour obtenir des renseignements utiles.

1. Générales

• Ne permettez jamais à un enfant d'utiliser un équipement à moteur.

• N'utilisez pas l'épandeur Ecolawn sur une pente de plus de 10 à 15 degrés.

• Ne modifiez pas votre épandeur Ecolawn. Toute modification à l'appareil entraînera l'annulation de la garantie.

• Utilisez l'épandeur Ecolawn uniquement pour l'usage auquel il est destiné.

• Éloignez vos mains et autres objets de la trémie et de l'agitateur-mélangeur lorsque le moteur est en marche.

• Utilisez seulement des pièces originales Ecolawn pour effectuer des réparations sur l'équipement Ecolawn.

2. Protecteurs

Do not run the engine or operate the machine when any of the guards have been removed. This may result in severe injury and/or damage to the unit.

3. Trémie

The hopper's maximum load is 440 lb (200 kg). Never exceed the maximum load capacity; this may damage the spreader.

4. Autocollants

Replacement safety decals are available at no cost from Ecolawn.

Mode d’emploi

1. Épandage adéquat

When topdressing, follow the same pattern you would use when mowing. Start with the sections of lawn that are farthest away from the supply source to avoid repeated traffic over the areas that have been top-dressed.

Types of Spreading Materials:
• Screened compost
• Granular and pelletized products
• Sand
• Soil
• Crumb rubber
• Soil amendments
• Custom blends

2. Utilisation optimale

Never exceed the maximum load capacity of the hopper (440 lb/200 kg). Some substrates (such as sand or soil) are much denser than others, so it is not possible to judge load size visually. The same volume of sand or soil can weigh significantly more than compost. Overloading the hopper may damage the spreader.

Comparative: Materials and Weights

Material Volume Weight:
Compost: (60% humidity) 10 cubic feet 300 lbs
Mix Blend: 50% compost, 50% sand 10 cubic feet 550 lbs
Sand: 10 cubic feet 800 lbs

3. Usages principaux

The Eco 250 Broadcast Top Dresser is designed for compost topdressing, sand topdressing, lawn restoration and renovation, soil amending, and over seeding. To learn more about topdressing, please visit our website at www.ecolawnapplicator.com.

Mise en service de l’Ecolawn

Before using the spreader for the first time, check the oil and gas levels on the engine, the reducer and the fuel tank. While the spreader has been pre-adjusted for immediate use, some minor adjustments may be necessary. We recommend the following startup procedure to ensure that the machine is properly adjusted before use.

Step 1. The spreader's belts are new, so they may not adhere perfectly to the pulleys; they may slip when the machine is started for the first time until they are properly seated. Before loading the spreader with substrate, start the engine and let it idle and run it around empty for about 10 minutes to allow the belts to become seated properly on the pulleys.

Step 2. Fill the hopper to 1/3 capacity (see Page 7, Step 1), then fully run the spreader at this level for the first 3 or 4 loads.

Step 3. Fill the hopper to its maximum capacity (440 lb/200 kg) and begin using the spreader normally.

Step 4. After one hour of use, visually inspect the spreader. Vibrations combined with a heavy load may cause the nuts and bolts to loosen. Tighten these if necessary.

Step 5. After 8 hours of use, inspect the nuts and bolts again and tighten if necessary.

If some pulleys do not run correctly after these trials, please refer to Ecolawn Application: Troubleshooting and Adjustments (pages 11-13).

Utilisation de l’épandeur Ecolawn

Step 1. Filling the Hopper

To fill the hopper, first ensure that the Feed Trap (Figure 1) is properly closed by pulling up on the Feed Trap Lever (Figure 2).

Fill the hopper with the substrate to be spread. Note: Never exceed the hopper's maximum load capacity (440 lbs/200 kg); this can damage the machine.

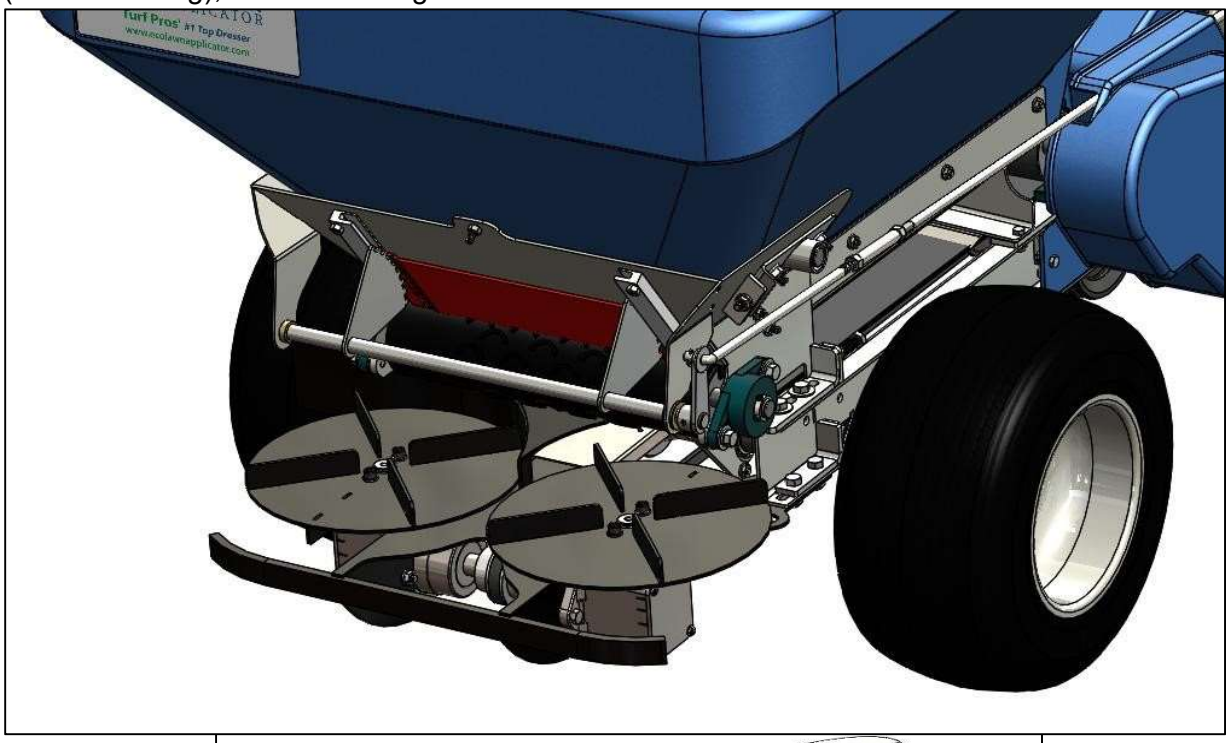


Figure 1

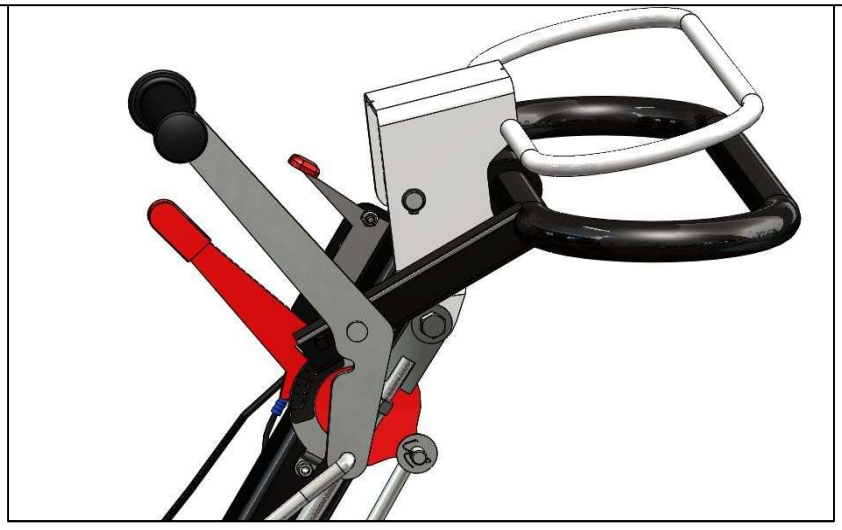


Figure 2

Step 2. Starting the Engine

Before starting the engine, make sure the conveyor system is not engaged. Be sure that the Conveyor Action Lever (Figure 3) is disengaged and the Feed Trap is properly closed, then start the engine. For additional information about operating or troubleshooting the engine, consult the Engine Manual.

Figure 3

Step 3: Topdressing with a Substrate

After loading the machine, start the engine. In order to spread the substrate, you must open the Feed Trap to desired height. (Figure 2). Pull the Conveyor Activation Lever toward you. Squeeze the Self-Propel Handle (Figure 4) to move the spreader forward and spread the substrate. Note: The engine's speed determines the ground speed and the width over which the substrate is spread. The height at which the feed trap is open determines the thickness at which the substrate is spread.

Figure 4

Step 4. Stopping the Spreader

When the hopper is empty, disengage the Conveyor Lever to stop the conveyor belt. Close the feed trap with the Feeding Trap Lever. If filling the hopper again, propel the machine to the substrate source and release the Self-Propel Handle to stop the spreader, turn the engine off, and then refill the hopper.

Produits d’épandage : choisir les matériaux appropriés

1. Qualité et Charactéristiques

It is very important to choose a high-quality topdressing substrate. For greatest cost efficiency, Ecolawn recommends using a bulk substrate which is friable, has a moisture content lower than 65%, and contains no inorganic matter (plastic, glass, or concrete, etc.) or raw organic matter (such as pieces of wood, raw or manure).

2. Friabilityé

A friable material is one that crumbles easily into small fragments. A substrate that is not very friable appears to be composed of numerous, compact pieces which do not readily break down. Screening a substrate makes it much more friable. Additionally, a substrate containing 10% sand is more friable and will flow more smoothly and efficiently through the applicator.

3. Taux d’humidité

A substrate with a moisture content greater than 65% will tend to stick to the inside walls of the hopper and other parts of the spreader. When working with a substrate with a high moisture content, coat the insides of the hopper, as well as the spreading disk, with a graphite-based lubricant. Consult the SLIP Plate Lubricant website at www.slipplate.com for more information.

To help the substrate flow freely from the hopper, stop the machine and loosen with shovel. This will loosen the substrate so that it can flow freely from the hopper.

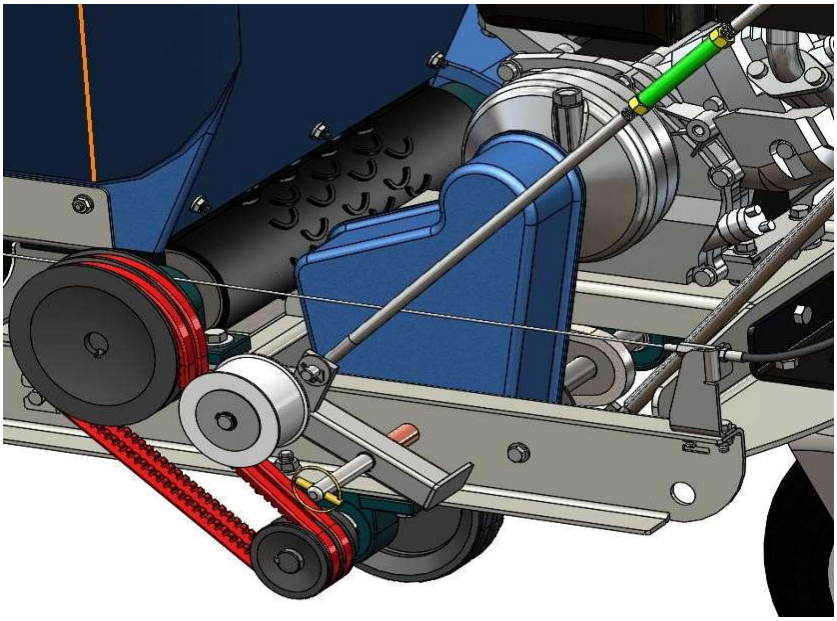
Dépannage et ajustements

Important: Be sure the engine is turned off before performing any adjustments or maintenance on the spreader.

The most frequently encountered problems involve the conveyor, but these can be easily resolved with a few simple solutions. Check the following issue for your particular problem, and make the corresponding adjustments as needed.

Issue: The V-belts are slipping. The spreader's hopper is full. The conveyor has been activated by activating the conveyor lever, but the conveyor belt does not turn because the V-belts are slipping.

Solution: The V-belts (denoted in red) are not tight enough. First remove the guards from the tensioner and check the tension of the belts, which may be slipping on the pulleys that power the conveyor belt. If the tension is incorrect, adjust it by lengthening the stretch rod of the conveyor activation clutch, a few turns at a time, as follows:



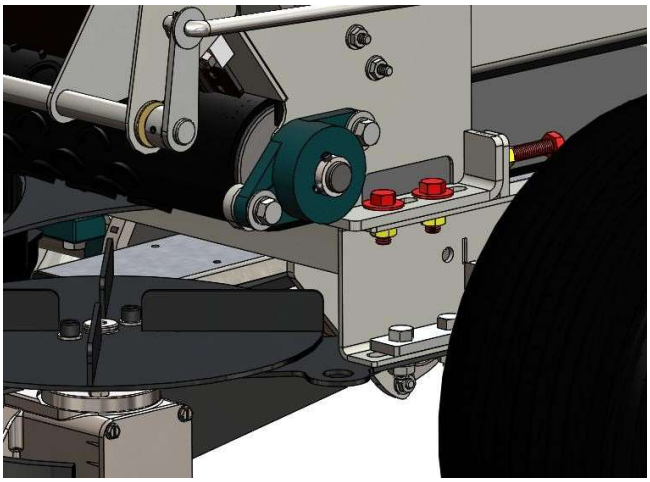
1.Loosen the (yellow) jam nuts to adjust the tension of the tension rod.

2.Turn the (green) tension collar counter clockwise to increase tension, or clockwise to reduce it.

3.Tighten the (yellow) jam nuts to lock the tension at the proper level.

Issue: The spreader's hopper is full. The conveyor has been activated by pulling the conveyor activation lever back, but the conveyor belt is not turning even though the tension rod has been adjusted properly and the conveyor drive roller is turning.

Solution: Adjust the tension of the conveyor belt rollers on each side, 1/2 a turn at a time, to increase the tension on the conveyor belt, as follows: do this on both sides of the unit equally.



1.Loosen the three (yellow) nuts.

2.Tighten the horizontal (red) bolt to push the conveyor belt roller forward about 1/2 turn

3.Tighten the three (yellow) nuts to hold the conveyor belt in place.

4.Repeat the same procedure on the other side, making sure the adjustments to both sides

Issue: The spreader does not move forward, or does so only with difficulty.

Solution: An adjustment to the tension of the activation arm of the Self-Propel Handle may be necessary:

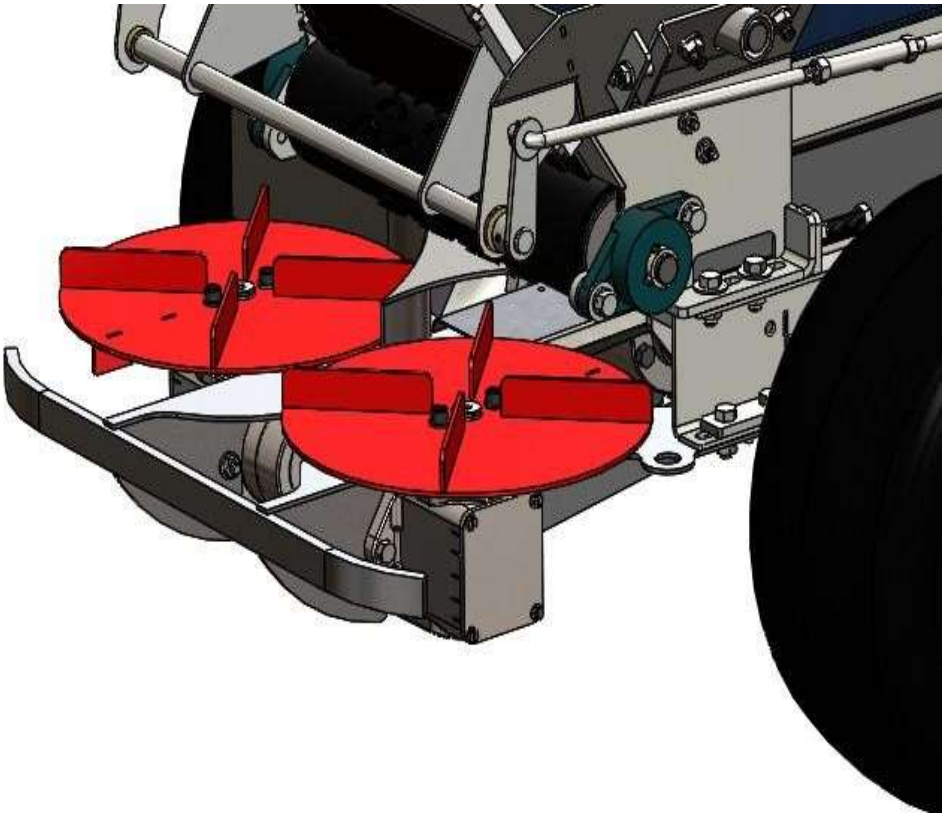
1.Loosen the (yellow) jam nut to release the tension.

2.Turn the (green) adjustment collar clockwise to increase pressure, or counter clockwise to reduce pressure.

3.Tighten the (yellow) jam nut to maintain the desired pressure.

Issue: The spreader moves forward and the conveyor works, but the spreading disk does not spin.

Solution: To free the disk, turn the machine off, and then turn the spreading disk backward manually to remove any debris. Visually inspect the pulleys and clean them as needed. If the pulley used to turn the spreading disk is filled with substrate, it may cause the belt to come off. Clean the pulley and the disk, then re-mount the belt on the pulley.



Entretien général

1. Paliers de l’arbre

Grease the two crankshaft ball bearings after every 50 hours of operation.

2. Moteur : huile et filtre

Change the oil and filter after every 50 hours of operation. See the engine manufacturer's instructions.

3. Courroies

The proper belt tension is tight enough that the belts will not slip during operation. Occasionally, belt tension must be readjusted. Do not over-adjust the tension, as this may damage other parts.

Short agitator - sand, heavy materials, for less resistance on agitator, Biochar products.

Trap door opening - full range.
Rotation – forward.

SHORT AGITATOR

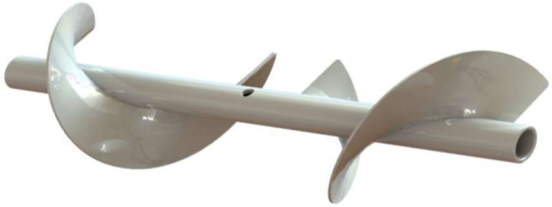
Long agitator - compost, dry materials, wet materials, for greater agitator power

Trap door opening - 3/4 to wide open.
Rotation - forward or reverse depending on specific product.

LONG AGITATOR

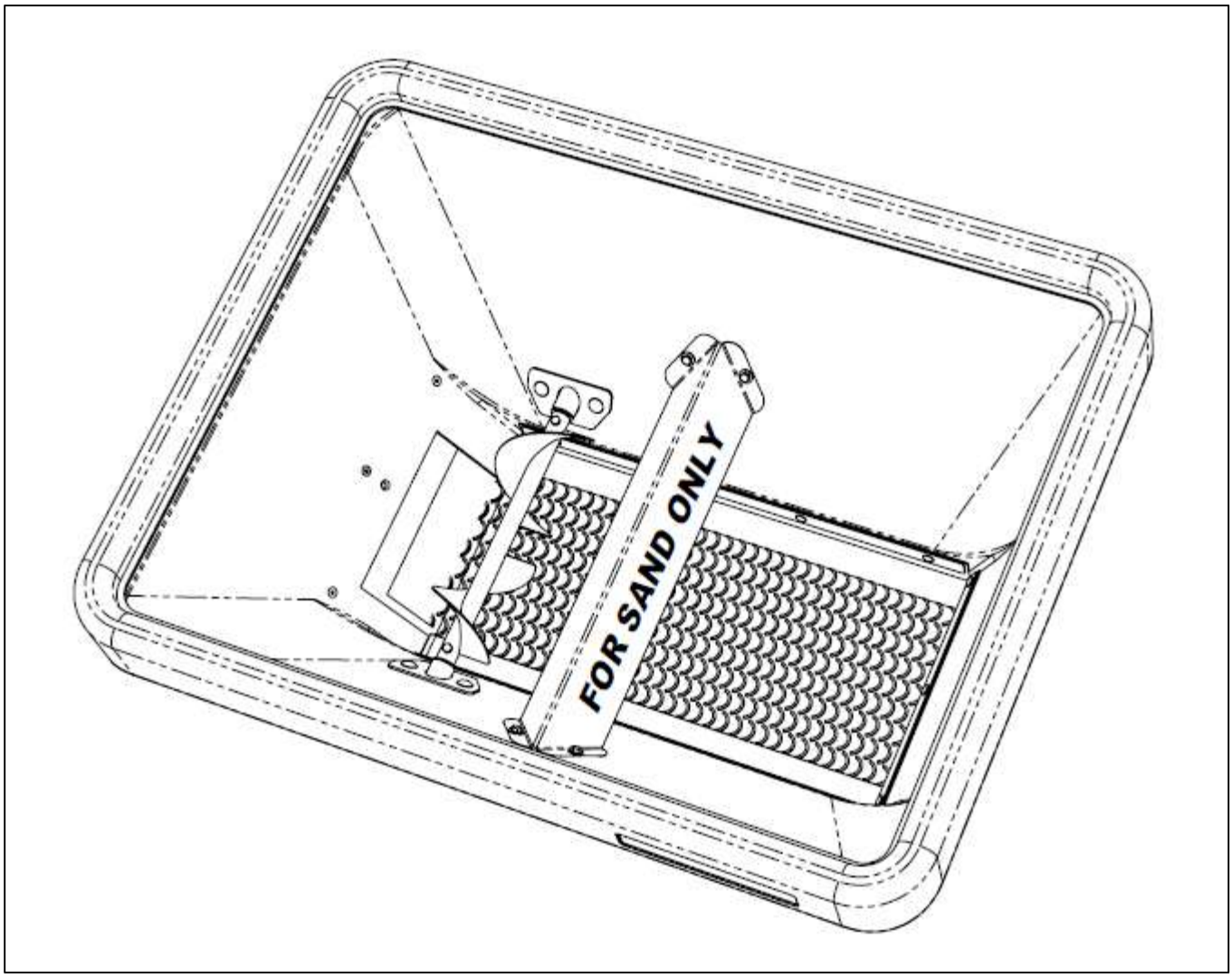
Corkscrew agitator - dry sand, screened crumbly compost, dry pulverized dirt, powder materials, Biochar products and mealy products.

Trap door opening - 1/2 to wide open.
Rotation - forward or reverse depending on specific product.
Pam spray for inside hopper.



CORKSCREW AGITATOR

Déflecteur de sable



Étapes d’assemblage

Assembly Steps ECO150&250

Step #1:
Install pre-assembled steering column assembly (01) on the frame, put the 3/8-16 x 1" lg bolts and nuts (13x) (02) and the swivel wheels and tighten the 4 pieces together.
Note: Make sure that the ajustable clutch rod (03) is inserted in the frame correctly in order to attach to the clutch assembly.
Note: FOR ECO-150 THERE IS ONLY ONE SWIVEL WHEEL THAT IS INSTALLED LINED UP UNDER THE STEERING COLUMN.
THE BOLTS ARE 3/8-16 X 1 1/4" LG AND NUTS (5x)

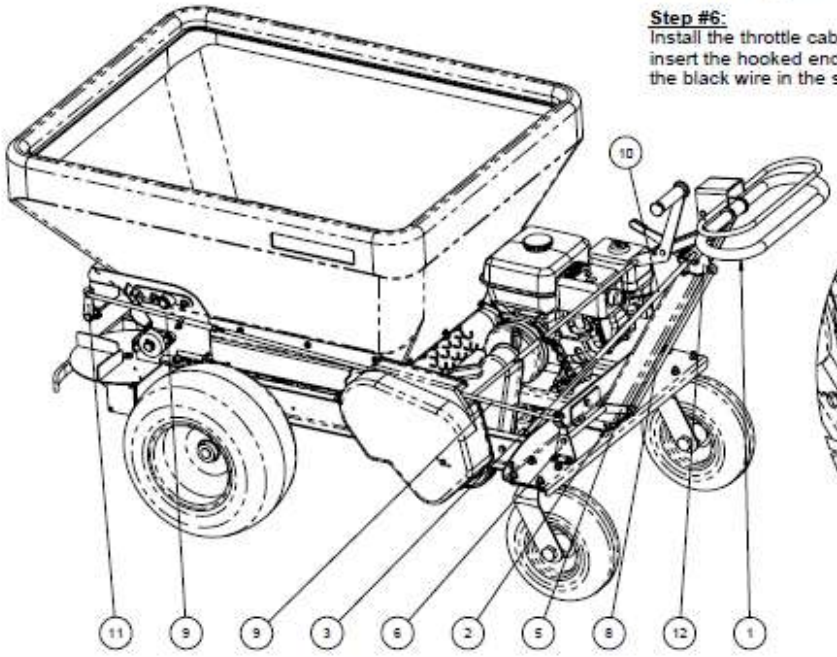
Step #2:
Tighten the ajustable clutch rod (03) to the clutch assembly using the 3/8"-16 x 1.5" lg. nut and bolt (1x) (04).
Note: The rod is pre-set to approximate measurement.

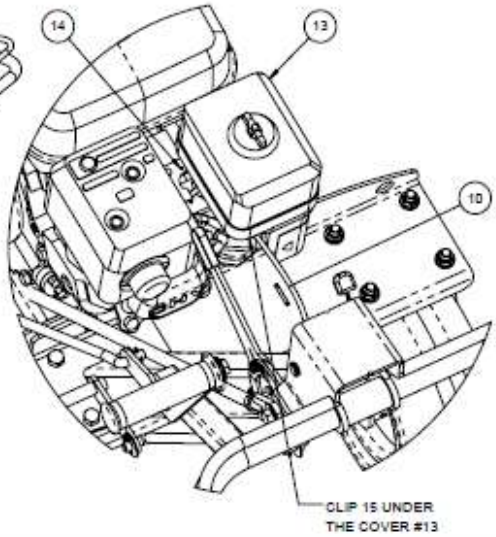
Step #3:
Install the pivot rod for feed trap opening (05) using spacers in the steering column hole and in the feed trap-support lever (06).
Attach it to the frame using Hex 1/4"-20 x 3/4" lg bolts and nuts (2x) (07).
Note: Make sure to properly aligned.

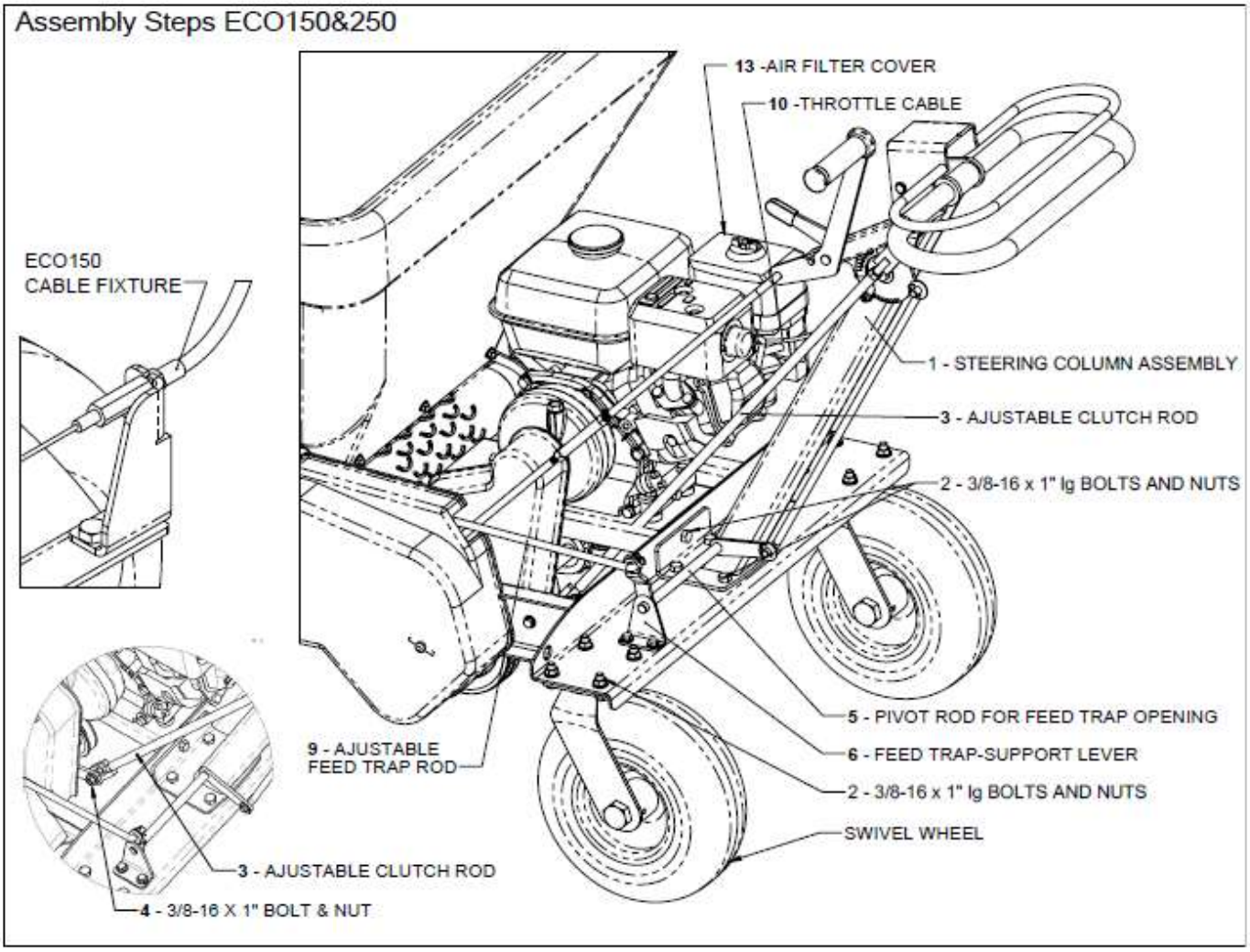
Step #4:
Install rod (01) for feeding trap mechanism into the feed trap handle (12) and in the lever opening trap (11) for feeding trap opening hole.
Install using 3/32" cutter pins and washers Ø 3/8"(2x).

Step #5:
Install the adjustable feed trap rod (09), insert the long end in the lever opening trap (05) and the short end in the lever opening (11) in the front of the machine.
Note: The length of the rod has been pre-set.

Step #6:
Install the throttle cable (10) by first removing the air filter cover (13), insert the hooked end of the wire in the hole on the engine (14) and tighten the black wire in the small clip (15) under the cover (13).






Assembly Steps ECO150&250
13 -AIR FILTER COVER
10 -THROTTLE CABLE
ECO150
CABLE FIXTURE
1 - STEERING COLUMN ASSEMBLY
3 - AJUSTABLE CLUTCH ROD
2 - 3/8-16 x 1" lg BOLTS AND NUTS
5 - PIVOT ROD FOR FEED TRAP OPENING
6 - FEED TRAP-SUPPORT LEVER
9 - AJUSTABLE
FEED TRAP ROD
2 - 3/8-16 x 1" lg BOLTS AND NUTS
SWIVEL WHEEL
3 - AJUSTABLE CLUTCH ROD
4 - 3/8-16 X 1" BOLT & NUT