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Activate
Your Warranty
By Registering
TODAY!!!



B40 Straw Blower

Parts and Operator's Manual

Model 00 Serial No. _____

[illegible][illegible]



ACTIVATE YOUR FINN EQUIPMENT WARRANTY

 It is the responsibility of the Finn Dealer to register your Finn Equipment shortly after the equipment start-up and operation overview at which time you will be asked to sign off on the **WARRANTY VALIDATION FORM**.

Be sure to confirm with your sales representative that this has been done.

This registration process activates the Finn Limited Warranty.

What should you do if you need repairs or parts under Warranty?

How to get parts and or repairs done under warranty:

Notify **YOUR DEALER** immediately when you discover a faulty material, workmanship, or faulty component. **Do not** wait weeks or months to get it reported. Be sure to tell the dealer that this is a failure that occurred under warranty.

NOTE: Warranty work must be done by a Finn Authorized Dealer in order to be covered by the Finn Warranty Program, unless otherwise approved by the Finn Warranty Administrator.

Instructions to Dealer on processing warranty work:

Initiating a claim

1. Be sure to have the model, serial number and number of hours on unit.
2. A description of the problem as understood at the time.
3. Call Finn's Warranty Administrator to secure warranty claim authorization number.
4. Confirm with Warranty Administrator that the unit is eligible for warranty coverage.
5. Any parts needed for the repair work should be placed with the Warranty Administrator instead of the parts department. These will be shipped to you at no charge pending the outcome of the investigation.
6. Labor hours must coincide with the published "Labor Schedule" or estimate approved by the Finn Warranty Administrator.
7. Once work is done, a Finn Warranty Claim Form must be filled out and emailed along with any related receipts or invoices to the Warranty Administrator. We ask that this is done ASAP after work is completed.

Faulty or failed parts:

IF Finn wants you to return failed parts, you will receive a return shipping label in the package with new parts. On that Label will be marked a return authorization number. (Which is the same number as you claim number.)

Please also mark the outside of the package that you are shipping back (using a marker) with the claim/return number. **THESE PARTS MUST BE RETURNED WITHIN 10 DAYS!** Failure to do so can void warranty coverage.

NOTE: Further information and related forms can be found on the Finn Web site in the Dealer Portal warranty section.



WARRANTY PERIOD

Hydroseeders® and Straw Blowers: 2 years or 2000 hours, whichever comes first.

Bark Blowers: 1 year or 1200 hours, whichever comes first.

COMMERCIAL LIMITED WARRANTY
EFFECTIVE 01/01/2018

OUR WARRANTY TO YOU

Finn Corporation warrants to you, the original purchaser, for use (or rental to others for use) and to a second owner who purchases a used machine from an Authorized Dealer Rental Program (the remaining warranty), all new construction machinery, parts and attachments (except those referred to herein) that are manufactured by Finn to be free from defects in material and workmanship for a period noted above. Replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product to which parts are installed, as if parts were original components of the product.

TO QUALIFY FOR WARRANTY CONSIDERATION

- A. Your Finn Dealer will register your equipment with Finn.
FAILURE TO REGISTER WILL VOID THE WARRANTY.
- B. Notify your dealer same day or next day of any need for work under warranty.
- C. Warranty work must be done by an authorized Finn dealer or service provider of Finn's choice and any parts must be ordered through the Finn warranty administrator.

WHAT FINN WILL DO

Upon notification to Finn concerning a failure of material or workmanship in accordance with the above stated Warranty, Finn Corporation will:

- A. Verify claim falls within the valid warranty time frame.
- B. Verify the product and equipment has been registered with Finn.
- C. Upon affirmation of warranty period and registration, Finn will provide new or repaired replacement part(s), whichever Finn elects and a return shipping label for returning failed parts if applicable.
- D. Evaluate the part when defective part is returned. If damage to a part is determined not to be covered under the warranty, the customer will be billed.
- E. Reconcile costs with customer for parts and shipping, as determined by our inspection of failed parts, and confirmation of warranty coverage, per the terms of this warranty.
- F. Correction of nonconformities, in the manner provided above, shall constitute fulfillment of all liabilities of Finn Corporation.

WHAT THE WARRANTY DOES NOT COVER

1. Normal wear parts, Allied Equipment, trade accessories not manufactured by Finn, such as but not limited to items such as various filters, fluids, brakes, clutch linings, coupler insert, belts, hoses, light bulbs, mechanical seal, over center clutches, tires, ignitions, starters, batteries, carburetors, engines or like or unlike equipment or accessories. (Such being subject to the warranty, if any, by their respective manufacture).
2. Secondhand, used, altered, or rebuilt machines or parts.
3. Defects, malfunctions or failures resulting from accidents, abuse, misuse, improper servicing, or neglect of required operational guidelines and maintenance service, as outlined in the Finn Corporation's Operators Manual(s).
4. Any defect or failure of products warranted arises out of or is caused by accessories or parts not manufactured or supplied by Finn Corporation, whether same are supplied by purchaser, dealers, or any other party.

STORAGE

Dealers and customers are responsible to follow all guidelines related to Seasonal and Long Term Storage of Equipment, as advised in operation and equipment manuals. i.e. Finn, Engine, Clutch, Pump, Motor, etc. Equipment failures caused by neglect of these guidelines are not warrantable.

THIS IS THE ONLY EXPRESS WARRANTY ON OUR PRODUCTS

We neither assume nor authorize anyone to assume for us any other express warranty. The Distributor/Dealer has no authority to make any representation or promise on behalf of Finn Corporation or to modify the terms or limitations of this warranty in any way.

THIS WARRANTY THEREFORE SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

LIMITATIONS ON OUR RESPONSIBILITY WITH RESPECT TO PRODUCTS PURCHASED

THE REMEDIES OF THE USER SET FORTH HEREIN ARE EXCLUSIVE, WITHOUT REGARD TO WHETHER ANY DEFECT WAS DISCOVERABLE OR LATENT AT THE TIME OF DELIVERY OF THE PRODUCT TO THE PURCHASER.

ALL WARRANTY REPAIR MUST BE DONE BY A FINN AUTHORIZED SERVICE PROVIDER OR AUTHORIZED REPAIR SHOP OF FINN'S CHOICE.

TRANSPORTATION, HAULING, STORAGE, OR OTHER SIMILAR COSTS ARE NOT PART OF FINN'S OBLIGATION UNDER THE LIMITED WARRANTIES AND IS THE RESPONSIBILITY OF THE EQUIPMENT OWNER.

THE ESSENTIAL PURPOSE of this exclusive remedy shall be to provide the original purchaser with repair or replacement of parts that prove to be defective within the period and under the conditions previously set forth. This exclusive remedy shall not have failed of its essential purpose (as that term is used in the Uniform Commercial Code) provided Finn remains willing to repair or replace defective parts within a commercially reasonable time after it obtains actual knowledge of the existence of a particular defect.

IN NO EVENT shall Finn be liable for any special, consequential, incidental or indirect damages, including lost profits or lost commercial opportunities, with respect to the sale of the above warranted product or anything done in connection therewith, or for property damage sustained by a person claiming to be a third party beneficiary of a surviving warranty under the law of any jurisdiction.

NOTICE

FINN CORPORATION URGES the use of only Finn corporation supplied parts and attachments to assure proper performance and safe operation of Finn corporation equipment. Insist on parts and attachments manufactured or supplied by Finn corporation when you purchase, repair or replace your Finn equipment and attachments. Finn corporation cannot assure that parts and attachments not manufactured or supplied by Finn meet Finn corporation's quality standards, specifications, or operating requirements. Our warranty is not effective to the extent any failure of or defect in a Finn corporation product arises from or is caused by parts, attachments or components not originating with Finn corporation. Use of Finn corporation equipment with parts and attachments not manufactured or supplied by Finn could result in personal injury and void warranty coverage.

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SAFETY FIRST

With any piece of equipment, new or used, the most important part of its operation is **SAFETY!** FINN Corporation encourages you and your employees to familiarize yourselves with your new equipment and stresses safe operation.

The first six pages of this manual are a summary of the main safety aspects associated with this unit. Be sure to read and understand completely before operating the machine.

The symbols below are used throughout the operation and maintenance sections of this manual to call attention to safety procedures.

DANGER

Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

WARNING

Warning indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

CAUTION

Caution indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.

NOTICE

Notice indicates important information, that if not followed, MAY cause damage to equipment.

NOTE: This is helpful information.

The **DANGER**, **WARNING**, **CAUTION** and **NOTICE** notifications and instructions in this manual *cannot* cover all possible conditions and situations that may occur.

It must be understood by the operator that caution is a factor which *cannot* be built into this product; caution must be supplied by the operator.

CALIFORNIA PROPOSITION 65

WARNING

The engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm. Wear protective equipment. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.



WARNING

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

WARNING

This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. Go to www.P65Warnings.ca.gov for more information.

STRAW BLOWER SAFETY SUMMARY SECTION

It is important that all operators of this machine are familiar with all safety aspects mentioned below, and have read the entire Operator's Manual before operating the machine. Always keep a copy of this manual with the machine. It is the responsibility of the operator of the machine to fully understand this safety sheet. Remember that YOU are the key to safety. Good safety practices protect not only you, but also the people working with and around you. Keep in mind that this safety sheet is written for this type of machine only. Practice all other usual and customary safe working precautions. Above all, remember that safety is up to you.

The FINN STRAW BLOWER is intended to be used as an applicator of vegetative hay or straw mulches onto the seedbed. Its use with other products or for other applications must be by approval of the product's manufacturer. If there are any questions, contact FINN Corporation at 1-800-543-7166.

I. PRE-START EQUIPMENT CHECK

(equipment check is to be made with the engine off)

1. Check hitch and hitch bolts, safety chains, lights, brakes, and breakaway switch. Verify that the hitch ball is the correct size for the coupler.
2. Check that all guard railing is in place and secure.
3. Verify that all guards are in place.
4. By carefully looking in the shredder box, inspect the shredder box for foreign objects.
5. With the ignition switch ON, verify that the signal horn is operating correctly.
6. Make sure no one is working on or inside the machine. Give a visual and audible signal that all is clear before starting the engine.

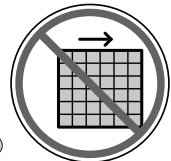


II. MACHINE OPERATION

1. Always wear safety goggles when operating or feeding the machine. Other safety attire, such as safety shoes, ear protection, gloves, hard hats, dust masks, etc., should be worn as required by warning decals on machine, operator's manuals, or job site requirements. Remove rings, watches, etc. Avoid wearing loose-fitting clothing that may get caught in rotating machinery.



2. Do not operate the machine without all guards in place.



3. Make sure the discharge spray area is clear of all persons, animals, etc.
4. The driver of the carrying or towing vehicle is responsible for the safety of the operator(s) and feeder(s) of the machine. Make sure the driver is aware of and avoids all possible hazards to the operator(s) on the machine, such as tree limbs, low power lines, etc. Vehicles on which equipment is mounted or towed must be started or stopped gradually. Avoid abrupt starts and stops. Never operate on a slope or a hill that may endanger the operator(s). All personnel should review and be familiar with start/stop signals between the driver and operator(s) before operation of the equipment.
5. Operator(s) of equipment should never ride on machine at speeds greater than 5 MPH (8 km/h).



II. MACHINE OPERATION (Continued)

6. Never operate machine in an enclosed area without venting the exhaust of both the equipment and the vehicle on which the equipment is mounted or towed. Deadly carbon monoxide fumes can accumulate. 
7. Never operate this or any other machinery when fatigued, tired, under the influence of alcohol, illegal drugs, or medication. You must be in good physical condition and mentally alert to operate this machine. 
8. Never modify the machine. Never remove any part of the machine (except for service and then reinstall before operating).
9. Use proper means for mounting and dismounting of machine. Never mount or dismount a moving machine.
10. Do not open any doors or access panels while machine is in operation. Severe injury may result from rotating parts. 
11. Do not attempt to pull anything out of the feed chute or shredder box when machine is in operation. Shut down the engine using Occupational Safety and Health Administration (OSHA) lockout/tagout procedure (29CFR 1910.147) before removing any foreign objects. Give a visual and audible signal that all is clear before restarting the machine. 

III. MAINTENANCE (Continued)

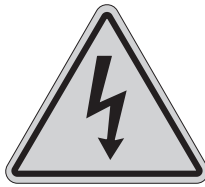
1. Before servicing the machine, turn off engine and allow all moving parts to stop. Disconnect the battery cables to prevent accidental starting of the machine. Tag the engine operating area to show that the machine is being serviced. Use lockout/tagout procedure (29 CFR 1910.147). 

2. On trailer units, perform general maintenance such as checking the safety chains, hitch, hitch bolts, tires, and brakes. Repair or replace if worn or broken. Never operate machine on improperly inflated or damaged tires. Always use a safety cage or cable restraints when reinflating a repaired tire. 
3. Battery maintenance. Lead-acid batteries contain sulfuric acid, that will damage eyes or skin on contact. Always wear a face shield to avoid getting acid in the eyes. If acid contacts eyes, flush immediately with clean water and get medical attention. Wear rubber gloves and protective clothing to keep acid off skin. Lead-acid batteries produce flammable and explosive gases. Keep arcs, sparks, flames, and lighted tobacco away. 
4. Filling of fuel. Never fill the fuel tank while the engine is running, while smoking, or when near an open flame. Never smoke while handling fuel or working on the fuel system. The fumes in an empty fuel container are explosive. Never cut or weld on fuel lines, tanks, or containers. Move at least 10 feet (3 meters) away from fueling point before starting engine. Wipe off any spilled fuel and let dry before starting engine. 
IMPORTANT: Be careful not to allow fuel, lubricant, hydraulic fluid, or cooling fluids to penetrate into the ground or be discharged into the water system. Collect all used fluids and dispose of them properly.
5. It is recommended that only authorized, genuine FINN replacement parts be used on the machine.
6. Make certain that all decals on the machine are maintained in good legible condition. Replacement decals are available through FINN Corporation by specifying the part number shown in the lower right-hand corner of the decal. See the current set of safety decals mounted on the unit. See Parts Manual for the location and quantity of all decals on this unit.

COMMON SAFETY SYMBOLS



Hazard/
Attention



Electrical
Shock Hazard



Hearing
Hazard



Arc Flash
Hazard or
Explosion
Hazard



Electrocution
Hazard



Fire Hazard



Body
Entanglement
Hazard



Electrostatic
Discharge
Hazard



Fumes/Dust
Hazard



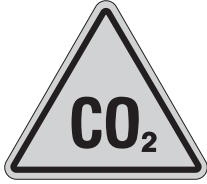
Burn Hazard



Electrostatic
Sensitive Area
Hazard



Pinch Point/
Entanglement
Hazard



Carbon
Dioxide
Hazard



Explosive or
High Pressure
Hazard



Grounding
Required
Hazard



Corrosive
Hazard



Explosive
Material
Hazard



Crush Hazard



Cut/Crush
Hazard



Vision Damage
Hazard



Crush/Pinch-
point Hazard



Cut/Sever
Hazard



Vision and
Hearing
Damage
Hazard



Crush/
Entrapment
Hazard



Sever/Reach
Hazard



Vision,
Hearing and
Respiratory
Damage
Hazard



High Voltage
Hazard

COMMON SAFETY SYMBOLS



Heavy Object Hazard



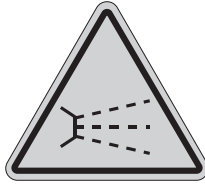
Skin Puncture Hazard



Vision Protection Required



Hot Surface Hazard



Splash/Spray Hazard



Hearing Protection Required



Loose Clothing Entanglement Hazard



Stumble Hazard



Vision, Hearing and Head Protection Required



Pinch Point/
Moving Belt Hazard



Trip Hazard



Breathing, Vision, Hearing and Head Protection Required



Poison Hazard



Watch Head/
Overhead Hazard



Foot Protection Required



Radio Frequency Hazard



Fall/Loss of Balance Hazard



Lockout/
Tagout Procedure Required



Remote Start Hazard



Mandatory Operator Action Required



Gloves Required



Sever by Rotating Parts Hazard



Read Manual



Trailer Safety



Rotating Shaft Hazard



Breathing Protection Required

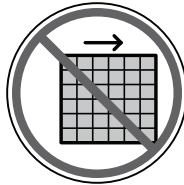


Lift Point

COMMON SAFETY SYMBOLS



Do Not Ride
on Moving
Vehicle



Do Not
Remove
Guards



Do Not
Obstruct
or Block



Do Not Spray
Power Lines

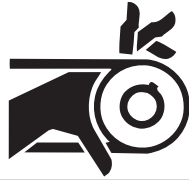


Do Not Touch

SAFETY DECAL EXAMPLES

	⚠ WARNING SEVERE HAZARD! Keep hands clear! Rotating fan and gears. DO NOT operate without guards or doors in place. Shut off engine, disconnect battery and allow all moving parts to stop before servicing. FLYING DEBRIS! Wear eye protection around equipment. Failure to comply could result in death or serious injury.	
		

PIN 31463

⚠ WARNING  Do not operate without guards in place. Failure to comply could result in death or serious injury.

PIN 12170

	⚠ WARNING RUNAWAY VEHICLE HAZARD! Always inspect tow vehicle and equipment hitch before towing. Tighten all hitch bolts and properly connect wiring and safety chains. BREAKAWAY SWITCH DO NOT use for parking. Attach cable to towing vehicle with enough slack for turning. Engine battery on trailer must be charged and hooked-up for proper breakaway function. SAFETY CHAIN INSTALLATION Both the single and double chains must be crossed under tongue. They must be oriented in such a manner as to prevent tongue from dropping to ground in event of failure to hitch, coupler or ball. Chains must be connected to towing vehicle so slack for each length of chain, between trailer and towing vehicle, is the same and must have no more slack when in use than necessary to permit proper turning of vehicles. Forward end of chain must be attached to towing vehicle, not to ball, but to hitch or other frame member. Chain must be looped around member and hooked back into itself. Failure to comply could result in death or serious injury.	
		

PIN 31461

⚠ WARNING	
	
FLYING OBJECTS! STAY BACK! Stay away from discharge area during operation. Keep bystanders away. DO NOT point discharge toward people, animals or property. ALWAYS wear appropriate protective gear. Failure to comply could result in death or serious injury.	

PIN 95280

	⚠ WARNING FIRE HAZARD! Keep area around engine clear of flammable material. Failure to comply could result in death or serious injury.
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PIN 35101

	⚠ WARNING FALL HAZARD! DO NOT ride on equipment when moving at speeds in excess of 5 MPH (8 km/h). Failure to comply could result in death or serious injury.
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PIN 35501

	⚠ WARNING BURN HAZARD! Hot exhaust! Stay back! Failure to comply could result in death or serious injury.
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PIN 12270

Operation and Maintenance Manual for B40 Straw Blower

INTRODUCTION

This manual is designed for step-by-step instructions of the operation, care, and maintenance of the B40 Straw Blower. In addition, it contains illustrations and descriptions of a complete list of parts and components for easy identification. For best results and to ensure longer life of the equipment, please follow the instructions carefully. For your safety, read the entire manual before operating this unit.

DEFINITION OF MULCHING

Mulching is the process whereby a vegetative mulch such as hay or straw, sometimes excelsior, or other wood product or other vegetative material is spread on previously seeded areas to promote germination, while providing temporary erosion control.

THE FINN B40 STRAW BLOWER AND HOW IT WORKS

The FINN B40 Straw Blower will apply vegetative mulch at a fast and uniform rate, utilizing a minimum amount of manpower. The baled vegetative mulch material is placed on the feed chute and separated by the bale feeder as he feeds these bales into the beater box. In the beater box, a combination of beater chains and air currents separates the mulch into individual fibers. These fibers are drawn into the blower housing and blown through the discharge assembly onto the seedbed.

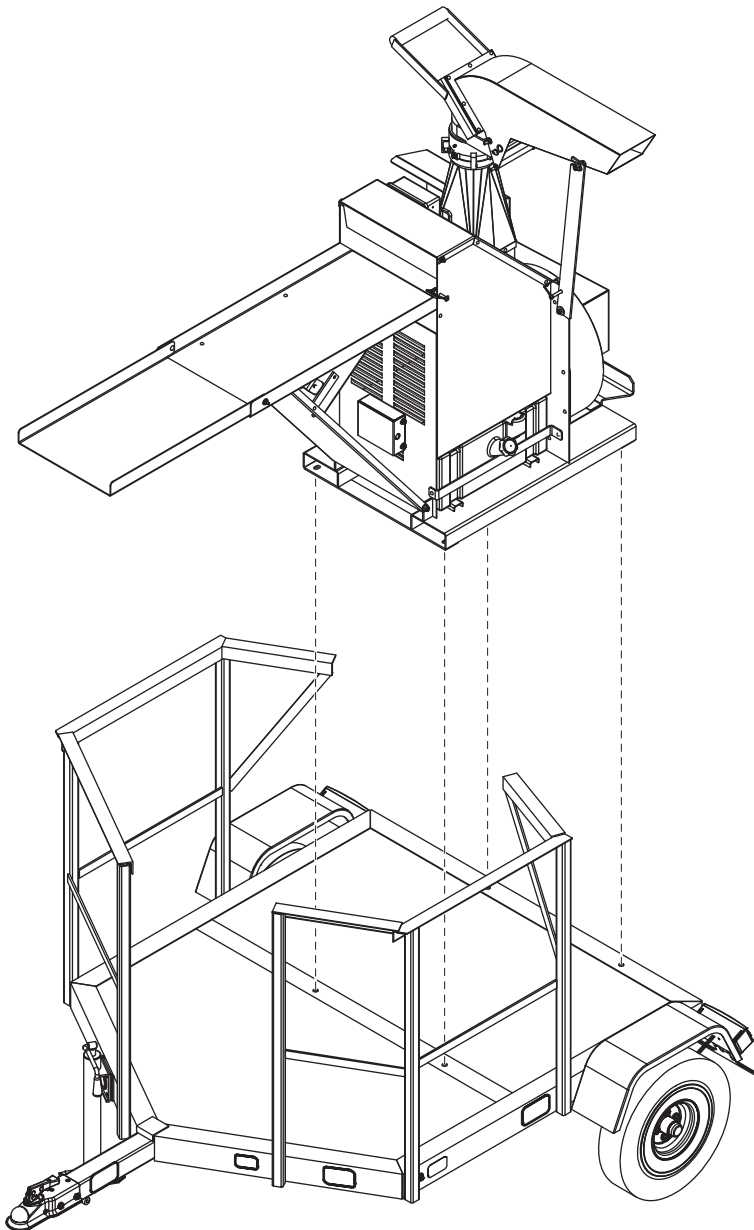
TOWING VEHICLE

The truck used to tow the FINN B40 Straw Blower should have a bed large enough to carry the quantity of mulch needed for economical operation. The truck must be equipped with a 2 in. ball rated 3000 lb. (1360 kg). The tow vehicle must be able to support 400 lb. (181 kg) down on its hitch.

TRAILER MOUNTING

The skid unit can be mounted to a trailer or converted to a trailer unit after initial purchase of a skid unit. To convert the skid unit to a trailer unit, the trailer assembly must be purchased. Optional trailer unit information and part numbers can be found at the end of this manual. The following information covers the conversion process.

1. Raise skid unit with forklift from rear, high enough to clear the trailer deck.
2. Position trailer under skid.
3. Lower skid onto trailer slowly while aligning the mounting holes on the skid and trailer.
4. Secure two (2) mounting bolts per side.
5. Connect 12VDC and GND (ground) lines from trailer harness to battery.
6. Verify lights and brakes function correctly.



Trailer Mounting and Wiring Instructions - Final Steps

- Verify all mounting hardware is properly torqued and trailer lighting and brakes function correctly prior to towing.
- Complete Dealer Mounted Trailer Checklist (ENG-FRM-014) and return the signed form along with a photo of the mounted equipment to Compliance@finncorp.com
- Upon receipt of the form and photo, Finn Corp. will issue the Certificate of Origin to the dealer for the customer to properly title the trailer.

PRE-START CHECK

1. Skid Unit – Check condition of all mounting hardware securing the Straw Blower to the truck bed.
Trailer Unit – Inspect hitch, safety chains, lights, brakes, and breakaway switch.
2. Ensure all guards are in place.

LOADING BALES

Load the bales of mulch on the truck bed with binder twine or wire on top rather than on the side. This makes it easier to grab the bales while the Straw Blower is in operation.

Place the first layer of bales lengthwise on the truck. The second layer of bales should be placed crosswise. Alternate successive layers lengthwise and crosswise in order to secure the load. Leave enough room at the rear of the truck bed for the bale handler to stand.

EQUIPMENT CHECK

⚠ WARNING *Equipment check should be made with the engine OFF and all rotating parts stopped. Failure to comply could result in death or serious injury.*

1. Tool kit - Make sure that it contains the following items: twine knife (number 20057) and ENGINE OPERATOR'S MANUAL. See TOOL KIT.
2. Check beater box for foreign objects that could damage the equipment or injure workers.
3. Check fuel tank and fill as required. Use gasoline only.
4. Check engine oil and fill or change as required. Refer to ENGINE OPERATOR'S MANUAL.
5. Inspect air cleaner for dust and dirt. Refer to ENGINE OPERATOR'S MANUAL.
6. Check beater chains and their mounting pins for damage or wear. Replace if necessary.
9. Lubricate equipment. Use hand gun only. See LUBRICATION CHART.

STARTING PROCEDURE

⚠ CAUTION *See safety section of the manual before operating the machine. Failure to comply could result in minor to moderate personal injury. Failure to comply could also result in product or property damage.*

1. Place the clutch switch in the DISENGAGE position.
2. Set throttle about 1/4 open.
3. Pull choke control out.
3. Turn key counterclockwise until starter engages and the engine starts.
4. Push the choke control in for even running.
5. Allow the engine to warm up for 3 to 5 minutes.

NOTE: This engine has a safety system that will shut the engine off if the engine oil pressure decreases below an acceptable level.

6. With the engine running between 1250 and 1750 rpm (check tachometer), move the clutch switch to the ENGAGE position. The clutch is then activated using an electrical pulse and will gradually engage over a 3-second time span.

NOTE: When starting your B40 Straw Blower under cold conditions: until engine warms to the appropriate operating temperature, it may be necessary to slightly increase the choke before engaging the blower.

CREW MEMBERS AND THEIR DUTIES

1. The Operator controls the placement of the mulch on the seedbed by moving the discharge assembly. He also controls the movement of the towing truck along the seedbed by using a predetermined set of hand signals.
2. The Bale Handler operates from the truck bed and supplies the feeder with bales of mulch material, cut side up.
3. The Bale Feeder cuts and disposes of the twine or wire. He also separates the bale into 1-1/2-inch to 2-inch bats and feeds those into the shredder box allowing about 10 inches of space between bats. Uniform feeding assures fast separation and more uniform application.
4. The Truck Driver follows the directions of the operator for the movement of the towing truck. The truck driver should be cautious in starting or stopping the truck so that the crew members are not thrown off balance.

BLOWER DISCHARGE

The B40 Straw Blower should be towed to a point approximately 20 ft. (6 m) from the area where the mulch is to be applied. The operator elevates the discharge spout about 10 degrees above the plane of the seedbed so that the mulch floats onto the seedbed.

NOTE: Do not drive the mulch into the seedbed with air pressure. The higher the tube is held, the more uniform the application will be.

A full circle horizontal travel of the discharge spout allows the operator to vary the direction of the discharge spout according to the prevailing winds. The tube should never be directed into the wind, towards any persons, or at the towing vehicle. Use the engine throttle to control the distance of the mulch.

⚠ CAUTION *Be sure beater chains are mounted opposite each other at all times to avoid throwing the blower shaft out of balance. Failure to comply could result in minor to moderate personal injury. Failure to comply could also result in product or property damage.*

If any obstruction stops the flow of mulch, immediately disengage clutch and shut engine OFF. Do not reach into the beater box or attempt any adjustment until the engine and all rotating parts have stopped. When the obstruction has been removed, the motor can be restarted and mulch application can continue.

⚠ DANGER *Do not reach into the beater box or attempt any adjustment until the engine and all rotating parts have stopped. Failure to comply will result in death or serious injury.*

CLEANING AND MAINTENANCE

AFTER FIRST 4 TO 8 HOURS OF OPERATION

1. Check and adjust belt. Proper tension is obtained when 3/8 in. (1 cm) of belt deflection is obtained at the center of the belt span with a force of 5 lb. (2.2 kg) with a used belt and 7 lb. (3.2 kg) with a new belt.
2. Torque wheel lugs to 85 to 98 ft.lb. (12 to 13 kg-m), and again after 7 days. (Trailer option only.)
3. Change engine oil and filter.

DAILY CLEAN-UP AND MAINTENANCE

Follow this procedure daily to keep the equipment in good operating condition:

1. Clean the air cleaner following the instructions in the ENGINE OPERATOR'S MANUAL.
2. Clean the beater chains, making sure to remove all twine, wire, and other foreign objects. Check pins and nuts.
3. Lock the discharge tube into place.
4. Check engine oil level and fill as necessary.
5. Check hitch bolts and safety chains. Repair or replace as necessary.

EVERY 50 HOUR MAINTENANCE

After each 50 hour period of operation, follow this procedure:

1. Lubricate bearings with general-purpose chassis lubricant, using a grease gun. Wipe each bearing before lubrication to remove dirt and prevent overheating.
2. Inflate tires to 35 psi (241 kPa).
3. Check belt adjustment.

EVERY 100 HOUR MAINTENANCE

1. Change engine oil, following engine manufacturer's recommendations, after every 100 hours.
2. Change the engine oil filter cartridge with every oil change (once every 100 hours).

⚠ CAUTION *Perform maintenance only while engine is OFF. Failure to comply could result in minor to moderate personal injury. Failure to comply could also result in product or property damage.*

LUBRICATION AND FLUIDS CHART

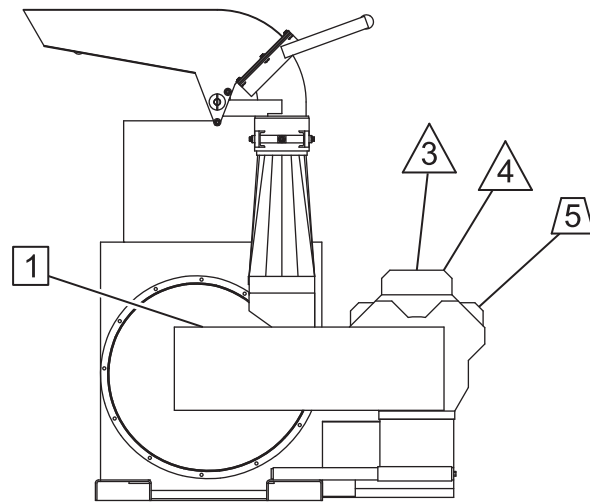
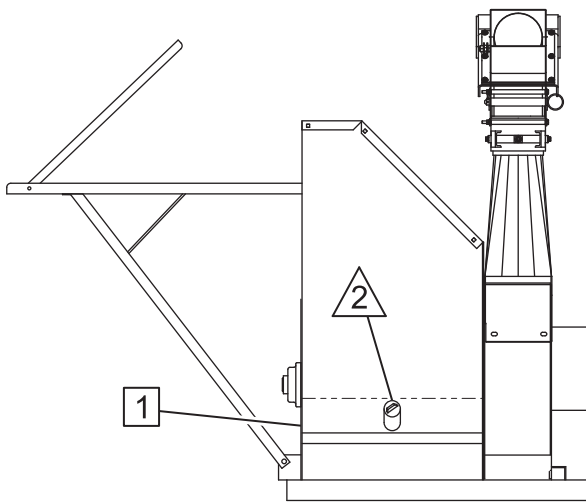
Ref. No.	Location	Lubricant	Frequency	Number
1.	Grease drive shaft bearings.	CL	Weekly	2
2.	Check fuel tank level.	GA	Daily	1
3.	Check engine oil level.	MO	Daily	1
4.	Check air cleaner.		Daily	1
	Service pre-cleaner element.		Every 25 Hours	1
	Change air cleaner element.		Every 100 Hours	1
5.	Change engine oil and filter.	MO	Every 100 Hours	1

LUBRICANT OR FLUID USED

CL Chassis Lubricant
 MO Motor oil SAE 30 CD/SF
 GA Gasoline Fuel

FLUID CAPACITIES

Fuel - 4.0 gal (15 L)
 Engine Oil - 2.1 qt (2 L)



TIME KEY

	DAILY (8 hours)
	WEEKLY (50 hours)
	EVERY 100 hours

B40 Straw Blower

Parts Manual

Model 00

TOOL KIT

Part No.	Description	No. Required
410003-05	B40 Tool Box Parts Kit	1
012305	Adhesive Label	1
020057	Twine Knife #13	1
012681A	FINN Beige Aerosol Paint	1
020063	Twine Knife #11	1

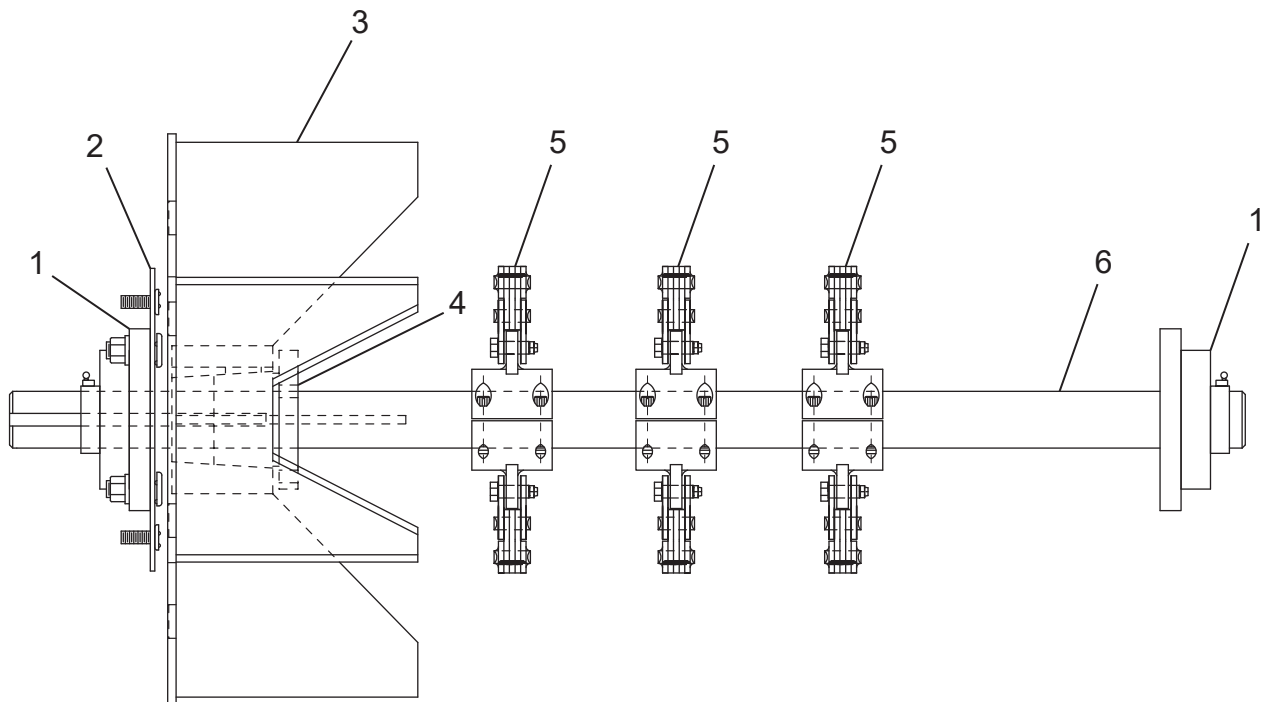
MISCELLANEOUS PARTS

Part No.	Description	No. Required
KL1205001	Oil Filter	1
KL4708303	Air Filter	1
KL2406857-S	Muffler	1
080105	Fuel Filter	1
A1096-001	Manual Canister	1

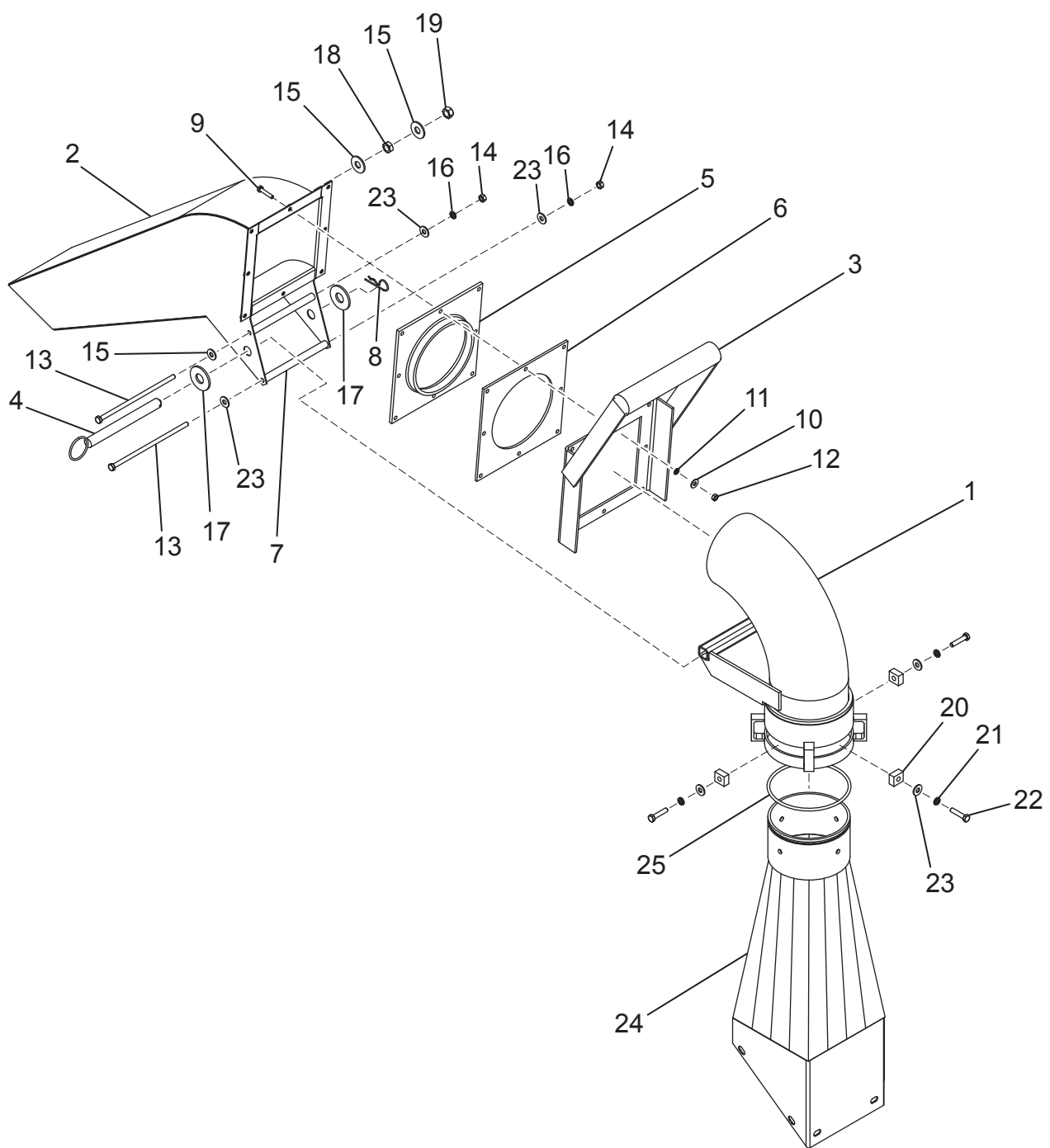
**WHEN ORDERING PARTS, BE SURE TO STATE
SERIAL NUMBER OF MACHINE**

BLOWER SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Required
1	035033	Blower Shaft Bearing	2
2	035021	Shaft Pad Weldment	1
3	035104	Blower Blade Assembly	1
4	003051B	Bushing, Q1 1-11/16 in.	1
	190125-70	Blower Blade Key	1
5	035081	Beater Chain Assembly	3
	022487	5/16 Flex Lock Pivot Nut	6
	020119	Hardened Shoulder Bolt	6
	035080	Beater Hub Weldment	3
	020238	Beater Chains - 2 Pitch	6
6	035013	Blower Shaft	1
	035074	Driven Sheave	1
	035075	Gripnotch Belts - Matched set of 2	1



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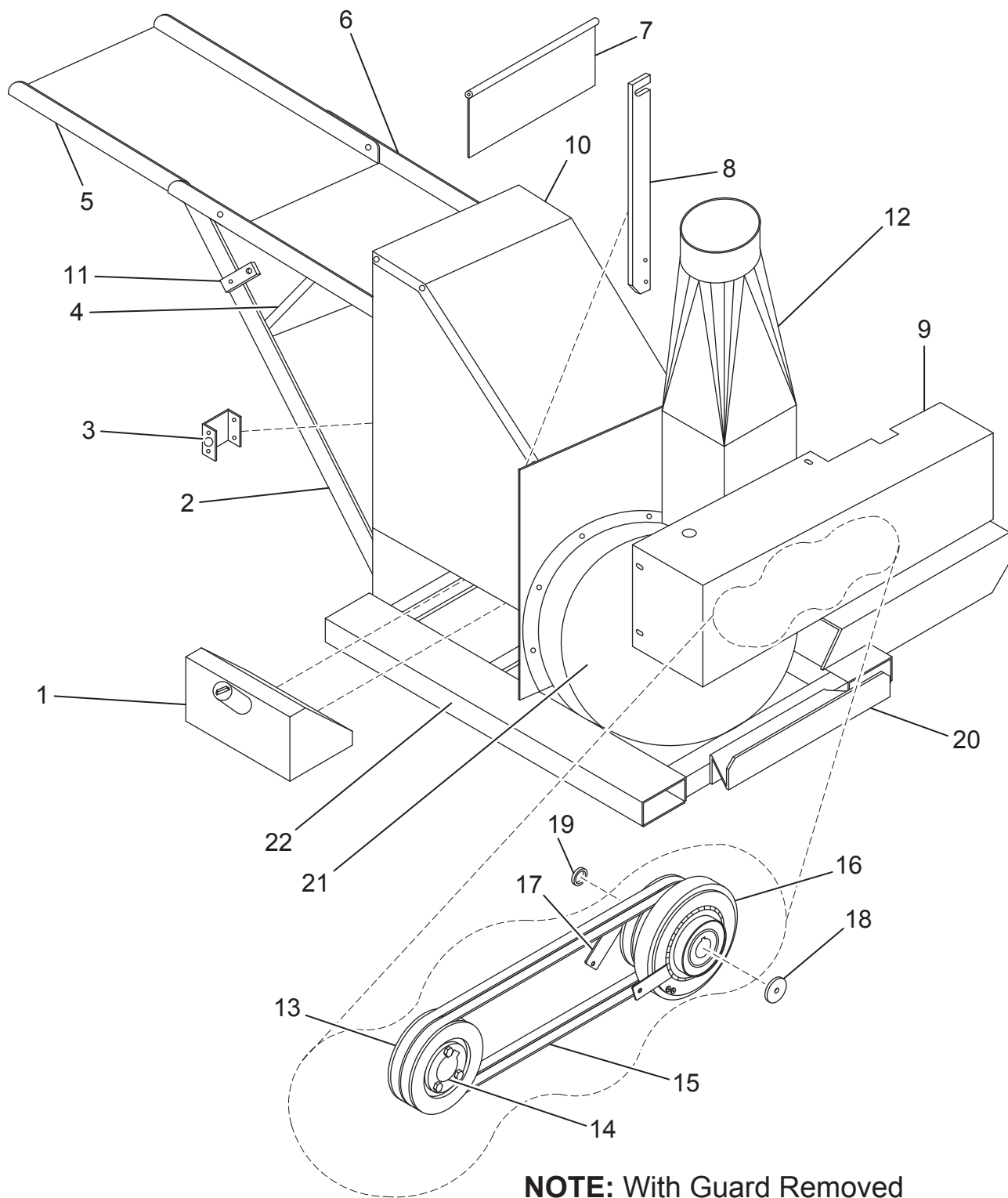


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DISCHARGE HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Required
1	035115	Discharge Elbow	1
2	035111	Discharge Tube Weldment	1
3	035117	Discharge Head Handle	1
4	035118	Pivot Pin	1
5	035114-01	Discharge Seal - Felt	1
6	035114-02	Discharge Main Seal - Rubber	1
7	035116-03	Head Stop Tubes	2
8	022962	Hair Pin Cotter	1
9	X0420	1/4 in. Bolt	8
10	W04F	1/4 in. Flat Washer	16
11	W04L	1/4 in. Lock Washer	8
12	Y04	1/4 in. Hex Nut	8
13	X05128	5/16 in. Bolt	2
14	Y05	5/16 in. Hex Nut	2
15	W08F	1/2 in. Flat Washer	2
16	W05L	5/16 in. Lock Washer	2
17	W12F	3/4 in. Flat Washer	2
18	Y08J	1/2 in. Jam Nut	1
19	Y08L	1/2 in. Lock Nut	1
20	035024-09	Swivel Spacer	4
21	W05L	5/16 in. Lock Washer	4
22	X0524	5/16 in. Bolt	4
23	W05F	5/16 in. Flat Washer	8
24	035136	Transition Weldment	1
25	035037	O-Ring	1

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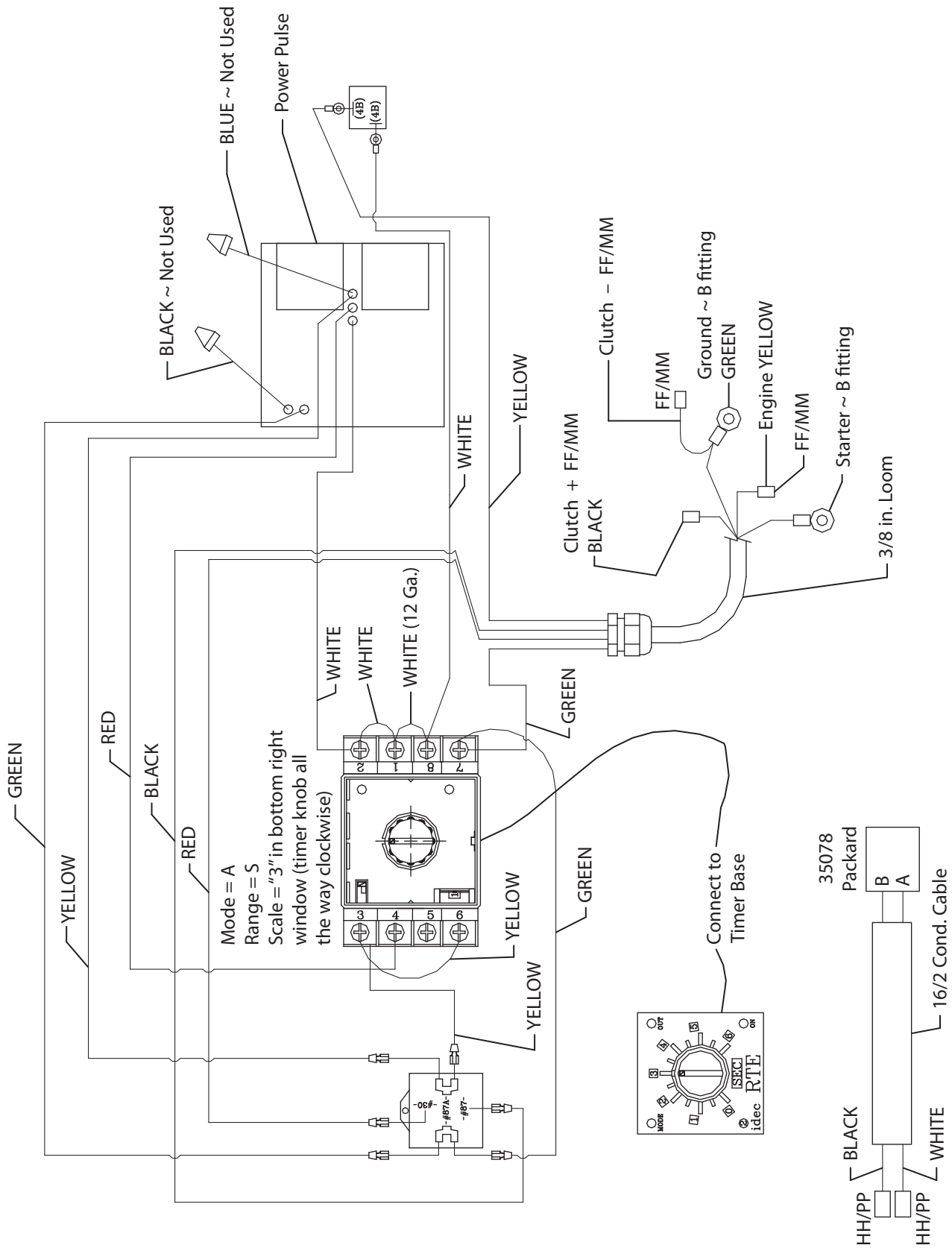
NOTE: With Guard Removed

**WHEN ORDERING PARTS, BE SURE TO STATE
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BEATER BOX AND FEED CHUTE

Ref. No.	Part No.	Description	No. Required
1	A7147-001	Fuel Tank Assembly	1
	A7103-001	Fuel Cap	1
	A7145-001	Needle Valve	1
	A7119-001	Fuel Gauge	1
	A7230-001	Strap, Fuel Tank Retainer	1
2	035004-01	Feed Chute Support	1
3	035109-02	Shaft Guard Cover	1
	035109-01	Shaft Guard Base	1
4	035004-02	Feed Chute Gusset	1
5	035113-01	Feed Chute Extension	1
6	035113-02	Feed Chute	1
7	035018	Feed Swing Door	1
	035018-04	Swing Rod	1
8	035012-01	Tube Hold-Down	1
	031245	Snapper Pin	1
9	035070	Belt Guard	1
	035071	Belt Guard Mount	1
10	035008	Beater Box Cover	1
11	035018-08	Feed Chute Latch	1
	035041	Cotterless Hitch Pin	1
12	035136	Transition Weldment	1
13	035074	Clutch Sheave	1
14	030876	Clutch Sheave Bushing	1
15	035075	Gripnotch Belts - Matched set of 2	1
16	035073-01	Electric Clutch	1
17	035135	Clutch Retainer	1
	035025	20.5 HP Engine	1
	KL1205001	Oil Filter	1
	KL4708303	Air Filter	1
	KL2406857-S	Muffler	1
	080105	Fuel Filter	1
18	035069-05	Clutch Retaining Washer	1
19	035069-04	Clutch Spacer	1
20	035083	Bumper Guard	1
21	035000	Blower Housing Weldment	1
22	035001	Frame Weldment	1

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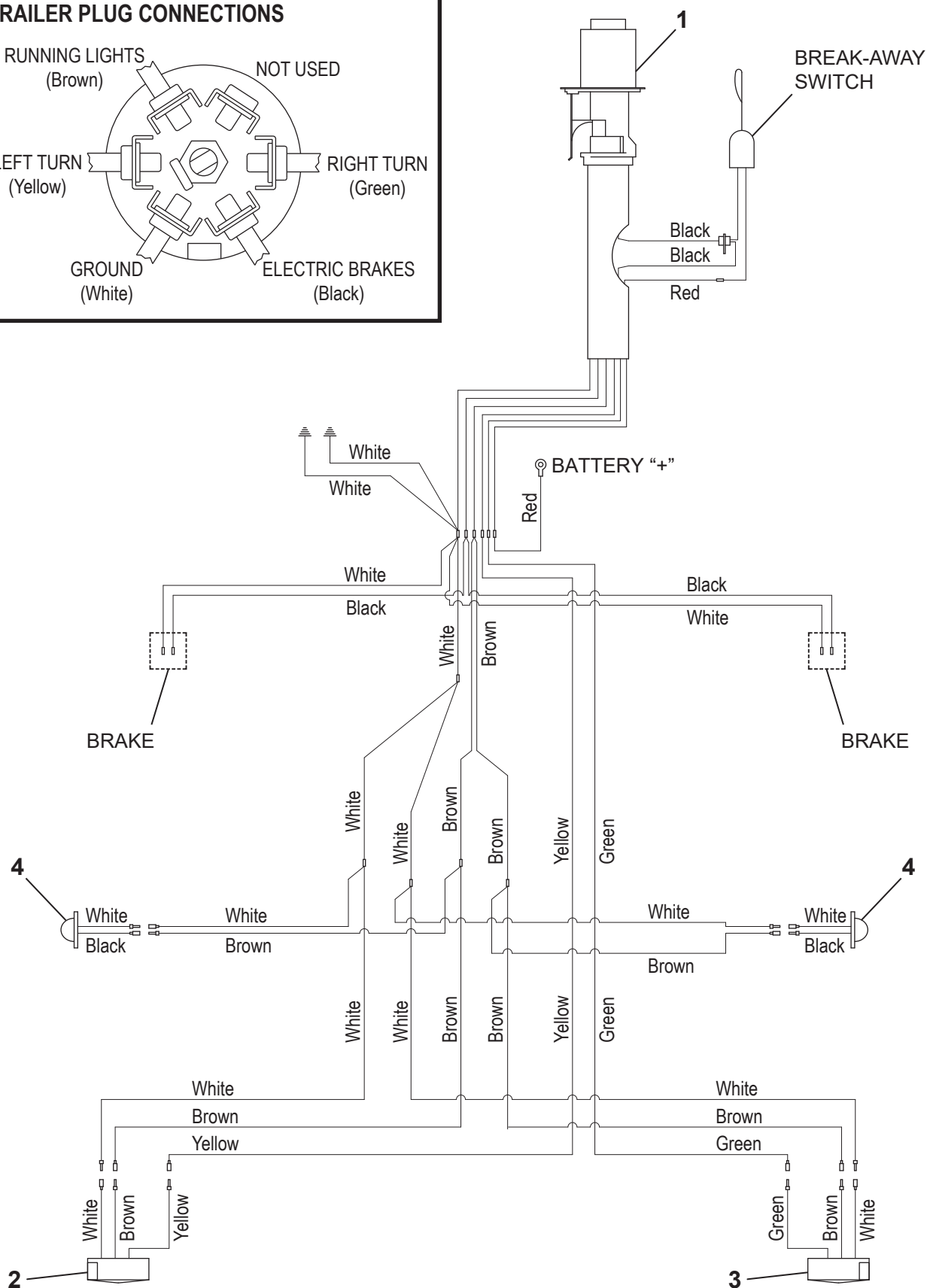
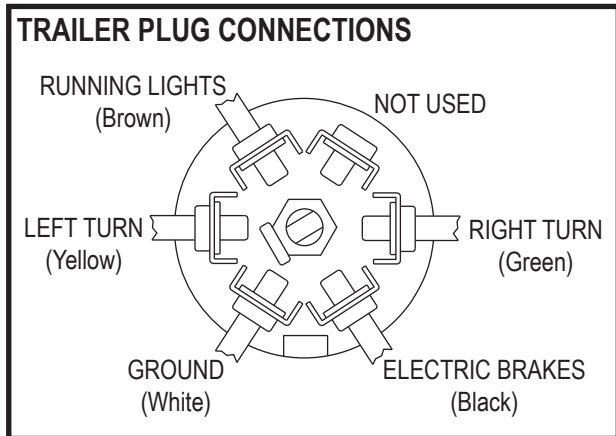


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CONTROL BOX WIRING

Part No.	Description	No. Required
035128	Control Box Assembly	1
035128W	Wiring Harness for 035128	1
035098	Power Pulse Flasher	1
052112	Toggle Switch	1
080526	Toggle Switch Boot	1
FW71584	Idec Timer Relay	1
FW71585	Idec Timer Relay Socket	1
FW71749-02	Relay	1
085212	Ground Cable	1
035127	Battery	1
035073	Electric Clutch	1
035103	Control Box	1
035129	Battery Cable (RED)	1

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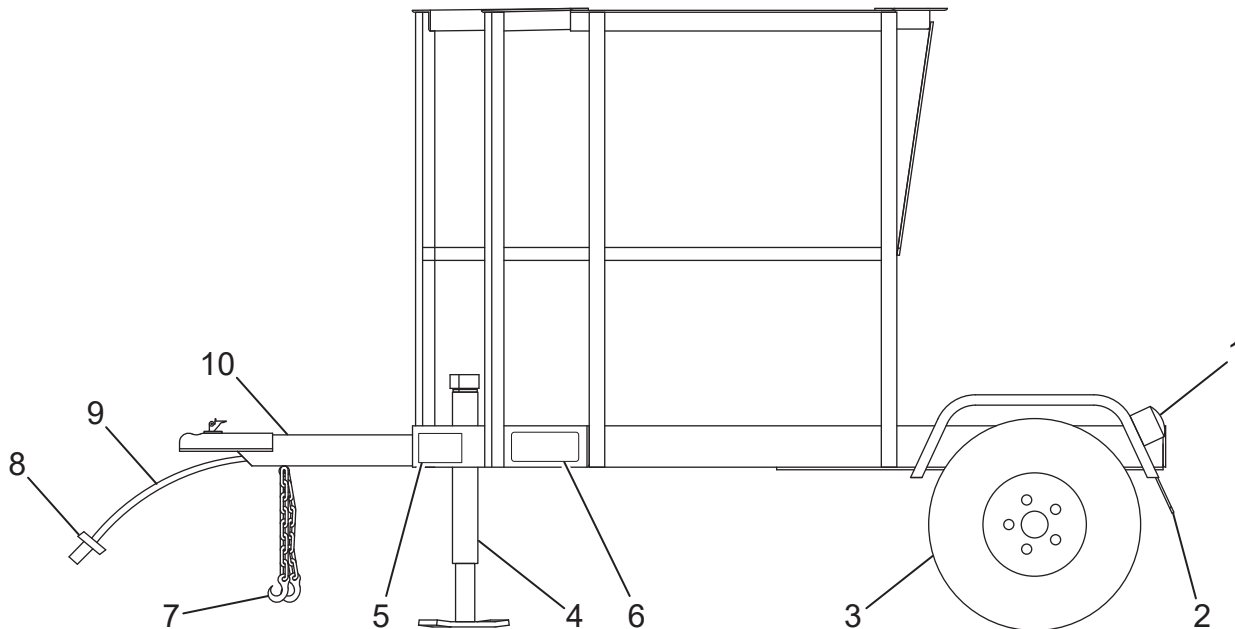
TRAILER WIRING

Ref. No.	Part No.	Description	No. Required
1	060069	Trailer Plug	1
2	A1228-001	Left-Hand Taillight	1
3	A1259-001	Right-Hand Taillight	1
4	A1227-001	LED Marker Light	2
	A1521-001	Wiring Harness	1

**WHEN ORDERING PARTS, BE SURE TO STATE
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TRAILER ASSEMBLY

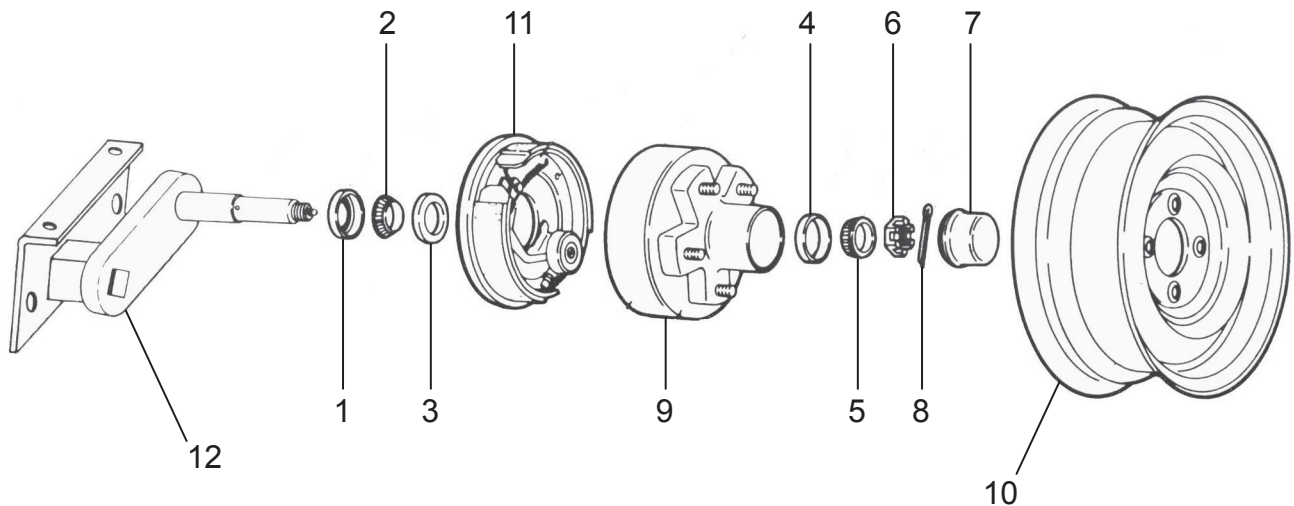
Ref. No.	Part No.	Description	No. Required
1 LH	A1228-001	Left-Hand Taillight	1
1 RH	A1259-001	Right-Hand Taillight	1
2	004720	License Plate Bracket	1
3	035140	Rubber Torsion Axle	1
	055493	Wheel and Tire Assembly	2
4	A6340-001	Jack	1
5	020970	Decal "Caution Do Not ..."	1
6	A1304-001	Front Side Reflex Reflector	2
7	A6807-001	Trailer Safety Chain, 12,600# GTW, 36 in.	2
8	060069	Trailer Plug	1
9	035060	Trailer Wiring Harness	1
10	061361	Trailer Assembly	1
NOT SHOWN			
	A1227-001	Front side Marker Lamp	2
	071097	Decal "Finn" (located on rear bumper)	1
KITS AND MARKERS			
☐	035133	B40 Decal Kit	



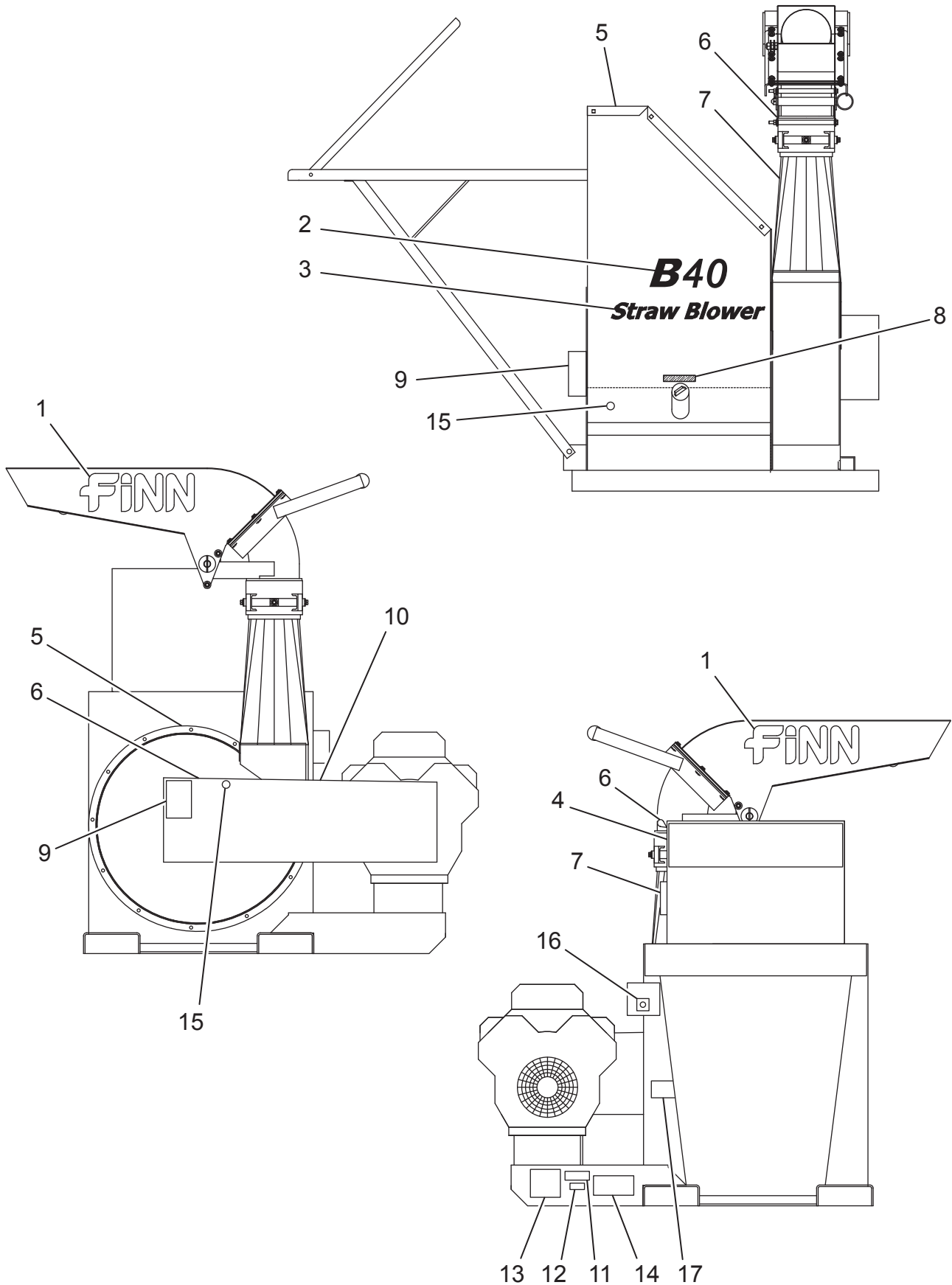
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AXLE AND HUB ASSEMBLY

Ref. No.	Part No.	Description	No. Required
	055503	Axle Assembly	2
1	WL10-9	Grease Seal	1
2	WL31-31-2	Inner Bearing Cone	1
3	WL31-31-1	Inner Bearing Cup	1
4	WL31-31-1	Outer Bearing Cup	1
5	WL31-31-2	Outer Bearing Cone	1
6	WL6-1	Spindle Nut	1
7	WL21-3	Grease Cap	1
8	WL19-2	Cotter Pin	1
9	WL8-257-4	Hub and Drum	1
	WL25-53	1/2 in. - 20 Stud	5
10	WL4-54	Brake Flange	1
11	055493	Wheel and Tire Assembly	1
	055493-R	Wheel	1
	055493-T	Tire	1
12	WL23-47	Left-Hand Brake Assembly	1
	WL23-48	Right-Hand Brake Assembly	1



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DECALS

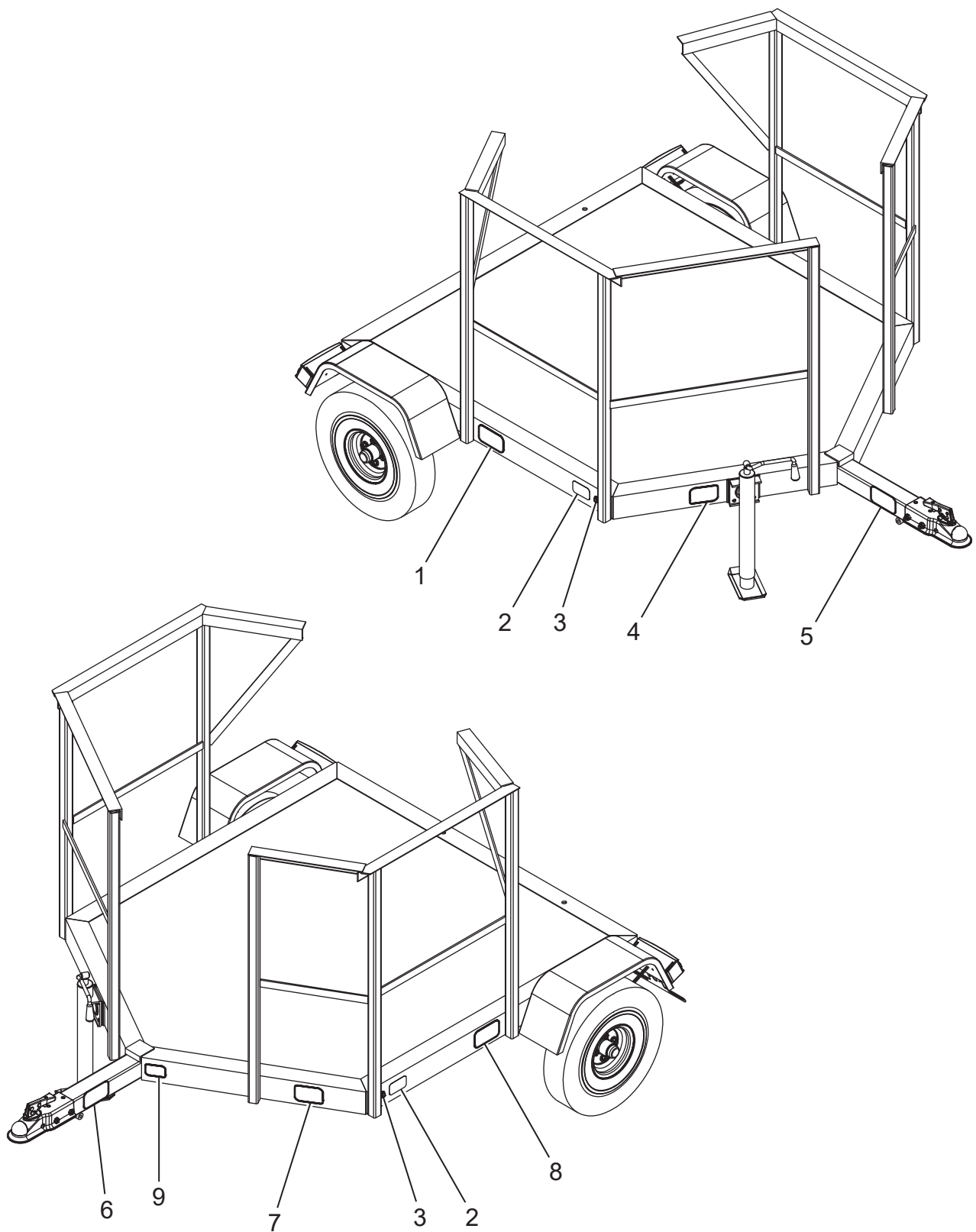
Ref. No.	Part No.	Description	No. Required
1	031235	Decal "FINN"	2
2	023856-03	Decal "B40"	2
3	023855	Decal "Straw Blower"	2
4	☐	Decal "Operating Instructions..."	1
5	☐	Decal "Warning Sever Hazard..."	2
6	☐	Decal "Service Weekly"	3
7	☐	Decal "Warning Flying Objects..."	1
8	☐	Decal "Gasoline"	1
9	☐	Decal "Warning Do Not Operate..."	1
10	☐	Decal "Warning Burn Hazard"	1
11	☐	Decal "U.S. Patent"	1
12	☐	Decal "Patent Infringement"	1
13	031569	FINN Serial Plate	1
14	012260	Maintain Safety Decal Plate	1
15	☐	Decal "Do NOT Pressure Wash"	2
16	☐	Decal "Clutch"	1
17	☐	Decal "Warning Fire Hazard..."	1

KITS AND MARKERS

☐	035133	B40 Decal Kit
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NOTE: All of the decals listed here with a ☐ in the part number space are available only in the B40 Decal Kit. Replacement decals and plates for those identified with a part number are **not** part of the decal kit and **must** be ordered separately.

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TRAILER COMPONENTS AND SAFETY DECALS

Ref. No.	Part No.	Description	No. Required
1	☐	Decal "Warning! Load Balance and GVWR..."	1
2	A1304-001	Front Side Reflex Reflector	2
3	A1227-001	Front side Marker Lamp	2
4	☐	Decal "Warning! Personal Injury Hazard! Trailer Jack..."	1
5	☐	Decal "Warning! Control Hazard! Lights..."	1
6	☐	Decal "Warning! Runaway Vehicle Hazard!..." and "Control Hazard! Chains..." (B40)	1
7	020970	Decal "Warning! Fall Hazard..."	1
8	☐	Decal "Warning! Control Hazard! Tires..." (Single Axle)	1
9	☐	Decal "Tire and Loading Information: B40 Model"	1

KITS AND MARKERS

☐	A2270-001	Trailer Safety Decal Kit
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NOTES

[illegible]