FINN CORPORATION®
9281 LeSaint Drive • Fairfield, Ohio 45014
Phone (513) 874-2818 • Fax (513) 874-2914
Sales: 1-800-543-7166

B260 Straw Blower

Parts and Operator's Manual

Model **SEB** Serial No. _____

LBB260-SEB Rev A

NOTES

ACTIVATE YOUR FINN EQUIPMENT WARRANTY

IMPORTANT INFORMATION ON ACTIVATING
YOUR FINN EQUIPMENT WARRANTY!!!

IT IS IMPERATIVE THAT YOU, THE PURCHASER, COMPLETE THE FOLLOWING STEP IN ORDER TO ACTIVATE THE FINN CORPORATION LIMITED WARRANTY.

COMPLETE THE "EQUIPMENT REGISTRATION" FORM ON THE NEXT PAGE AND MAIL TO THE FINN CORPORATION.

IF FINN CORPORATION DOES NOT HAVE YOUR COMPLETED REGISTRATION FORM ON FILE, YOUR WARRANTY CLAIM WILL BE DENIED.

Once your Finn equipment has been registered, your Finn Limited Warranty will be activated per the warranty statement on the other side of this notice.

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

1. NOTIFY FINN CORPORATION OF THE FAILURE OF MATERIAL OR WORKMANSHIP

1-800-543-7166 Extension (246)
WARRANTY@FINNCORP.COM

2. AFTER YOU OR YOUR SERVICE DEALER NOTIFY FINN, FINN WILL:

- VERIFY THAT WE HAVE YOUR "REGISTRATION" ON FILE
- VERIFY THAT THE WARRANTY PERIOD IS IN EFFECT
- VERIFY THAT THE RELATED PART(s) ARE INCLUDED IN THE SCOPE OF WARRANTY (PENDING FINN'S INSPECTION OF DEFECTIVE PARTS)
- SEND YOU REPLACEMENT PART(S) AND A "WARRANTY INFORMATION PACKET"
- REQUEST YOU FOLLOW ALL INSTRUCTIONS AS NOTED IN THE "PACKET"

  - **Fill out the Parts Tag. (Completely)**
  - **Attach the Parts Tag to the defective part(s).**
  - **Return the part(s) and the completed Warranty Claim Form to Finn Corporation using the return shipping label. (Within 2 weeks)**
  - **Tape the Orange identifier sheet, marked with the W / RMA# on the outside of the box you are shipping the defective part(s) to Finn in.**

Finn Corporation Commercial Limited Warranty

Effective August 23, 2010

OUR WARRANTY TO YOU:

Finn Corporation warrants to you, the original purchaser, for use (or rental to others for use) 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 of 12 months from date of purchase or 1200 hours of use, whichever comes first. 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.

WHAT FINN WILL DO:

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

- Verify claim falls within the valid warranty time frame.
- Verify the product and equipment has been **registered** with Finn in order to be eligible for warranty coverage.
- Upon affirmation of warranty period and registration, Finn will send to you a new or repaired replacement part(s), whichever Finn elects and a "Warranty Claim Information packet" containing instructions for processing the warranty claim.
- Evaluate the part when defective part is returned. Note: Failure to return defective part within **two weeks** will result in an invoice being sent to the customer. In addition, if damage to a part is determined not to be covered under the warranty, the customer will be billed for the replacement part.
- 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.
- Correction of nonconformities, in the manner provided above, shall constitute fulfillment of all liabilities of Finn Corporation under this warranty.

WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE:

- As the purchaser covered under the above limited warranty you must **REGISTER** the equipment with Finn as such owner. Should registration not be on file with Finn Corporation, your **warranty will be void**. (See Operators manual for Registration Form)
- All warranty labor must be pre-approved by providing Finn with an estimate of labor costs. Once approved, Finn will issue you a Work Authorization Number, prior to work being performed.
- The labor costs reimbursement will be based on the Labor Allowance Schedule established by Finn and where not applicable, on a reasonable number of hours as determined by Finn.
- Notify Finn Corporation of any failure of material or workmanship as described under this warranty.
  - Web notification: Warranty@Finncorp.com
  - Phone 1-800-543-7166 extension 246
- Complete the required steps in the "Warranty Claim Information packet" (which Finn will send you) and return the defective part(s) as directed in the packet to Finn Corporation.
- Should the failed part be a hydraulic component, Finn may send you an "**Oil Analysis Kit**", requesting that a sample of oil from the hydraulic system be taken, and mail it to a lab. Follow the instruction sheet, on how to use your Finn Oil Analysis Kit that comes with the Kit. Failure to comply when requested will void the warranty.

WHAT THE WARRANTY DOES NOT COVER:

1. Normal wear parts and Allied Equipment or trade accessories not manufactured by it, such as but not limited to items such as various filters, fluids, brakes, clutch linings, belts, hoses, light bulbs, mechanical seal, over center clutches, tires, ignitions, starters, batteries, magnetos, carburetors, engines and labor, or like or unlike equipment or accessories. (Such being subject to the warranty, if any, provided 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. The warranty shall be null and void to the extent any defect or failure of the products warranted arises out of or is caused by accessories or component parts not manufactured or supplied by Finn Corporation, whether same are supplied by purchaser, dealers, or any other party.
5. This Warranty does **NOT** cover any costs associated with transporting the equipment for warranty service, such as mileage, fuel, or man hours; such is the responsibility of the equipment owner.
6. Dealers & Customers are responsible to follow all guidelines related to Seasonal & Long Term Storage of Equipment, as advised in operation & 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. Because 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.

Effective August 23, 2010

INDEX

Continued . . .

INDEX CONTINUED

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 to stress safe operation.

The first three pages of this manual are a summary of all the main safety aspects associated with this unit. Be sure to read completely before operation of machine.

This symbol is used throughout the operation and maintenance sections of this manual to call attention to safety procedures.

- Pay Attention -

DANGER: **Immediate hazards which WILL result in severe personal injury or death.**

WARNING: **Hazards or unsafe practices which COULD result in severe personal injury or death.**

CAUTION: **Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.**

IMPORTANT: Indicates that equipment or property damage could result if instructions are not followed.

NOTE: Gives helpful information.

Finn Corporation

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.

CALIFORNIA

Proposition 65 Warning

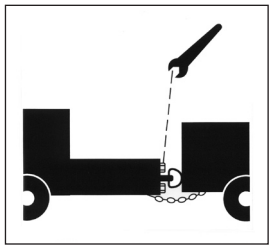
Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

STRAW BLOWER SAFETY SUMMARY SECTION

It is important that all operators of this machine are familiar with all the 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 section. 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 section is written for this type of machine only. Practice all other usual and customary safe working precautions; and above all, remember that safety is up to you.

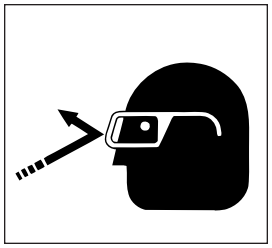
The FINN STRAW BLOWER is intended to be used as an applicator of vegetative hay or straw mulches onto the seedbed. Its use with other products or for other applications must be by approval of the product's manufacturer. If there are any questions contact FINN Corporation at 1-800-543-7166.

I. PRE-START EQUIPMENT CHECK (equipment check is to be made with the engine off):

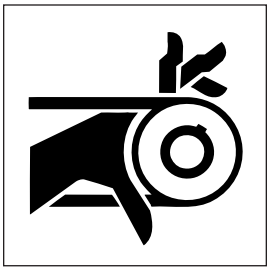


1. Check hitch and hitch bolts, safety chains, lights, brakes and breakaway switch. Verify that the hitch ball is the correct size for the coupler.
2. Check that all guard railing is in place and secure.
3. Verify that all guards are in place.
4. By carefully looking in the shredder box, inspect the 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. Signal "All Clear" before starting the engine.
7. Inspect all hydraulic hoses for cracks, buldges or damage. If hose is bad, replace immediately.

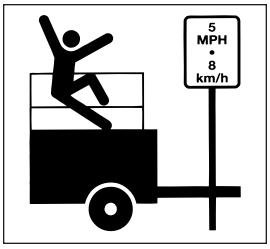
II. MACHINE OPERATION:



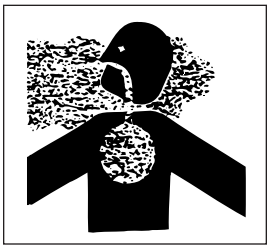
1. Always wear safety goggles when operating or feeding the machine. Other safety attire such as safety shoes, ear protection, gloves, hard hats, dust masks, etc., should be worn as required by warning decals on machine, operator's manuals, or jobsite requirements. Remove rings, watches, etc. Avoid loose fitting clothing which 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 (8km/h).



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.

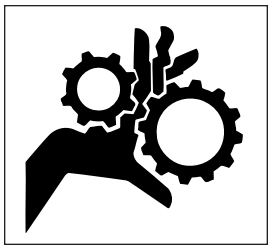
10. Do not aim discharge at people, animals, etc. Only aim the discharge at the intended seedbed.

11. Do not open any doors or access panels while machine is in operation. Severe injury may result from rotating parts.

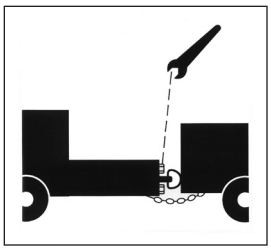
12. Do not attempt to pull anything out of the feed chute or shredder box when machine is in operation. Shut down the engine, using OSHA lockout/tagout procedure (29CFR 1910.147) before removing any foreign objects. Signal "All Clear" before restarting the machine.

III. MAINTENANCE:

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 and 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 cable or cable restraints when reinflating a repaired tire.



3. Radiator maintenance. Liquid cooling systems build up pressure as the engine gets hot. Before removing the radiator cap, stop the engine and let the system cool. Remove the radiator cap only after the coolant is cool.

4. Battery maintenance. Lead-acid batteries contain sulfuric acid which may damage eyes or skin on contact. Always wear a face shield to avoid 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 gasses. Keep arcs, sparks, flames, and lighted tobacco away.

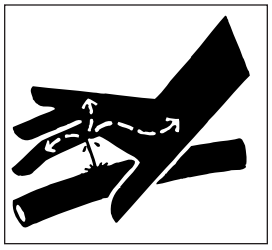
5. Filling of fuel. Never fill the fuel tank with the engine running, while smoking or when near an open flame. Never smoke while handling fuel or working on the fuel system. The fumes in an empty container are explosive. Never cut or weld on fuel lines, tanks, or containers. Move at least 10 feet (3 meters) away from fueling point before starting engine. Wipe off any spilled fuel and let dry before starting engine.

   NOTE: 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.

6. It is recommended that only authorized genuine FINN replacement parts be used on the machine.

7. Do not use ether cold start fluid if engine is equipped with glow plug type preheater or other intake manifold type preheater. It could cause an explosion or fire and severe injury or death.

8. Diesel fuel or hydraulic fluid under pressure can penetrate the skin or eyes and cause injury, blindness or death. Pressure may build up in the hydraulic system so use caution when removing the cap.



9. 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 page 4 for the current set of safety decals mounted on the unit. See Parts Manual for the location and quantity of all decals on this unit.

CURRENT SET OF SAFETY DECALS

CAUTION

HYDRAULIC SYSTEM INSTRUCTIONS

1. Check oil level weekly. Add oil when level goes down to first ring on filler screen.
2. Change filter on oil tank every 500 operating hours. (Use a 10 micron filter element only).
3. Check and clean suction strainer once a year or when oil is changed.
4. Change hydraulic oil when the color turns milky white. (Color change is due to water getting into hydraulic system).
5. Keep all fittings and hoses tight and leak free.
6. Keep system clean at all times.
7. DO NOT start or run engine without hydraulic oil in reservoir. Permanent pump damage will occur

HYDRAULIC FLUID ONLY
See Operator's Manual for type

P/N 12687

CAUTION

NEW CLUTCH INFORMATION

A new clutch may require several adjustments until friction surfaces are worn in.

DO NOT let clutch slip. This will glaze and ruin friction surfaces.

When properly adjusted a heavy pressure is required at lever to move throwout linkage to Òover centerÓ or locked position.

Always maintain proper adjustment.

Consult operations manual for adjustment instructions.

Failure to comply may result in equipment damage.

P/N 31297

WARNING

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

012278

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.

P/N 26892

WARNING

FLYING OBJECTS!
Wear proper eye protection when feeding machine.
Failure to comply could result in death or serious injury.

P/N 22690

WARNING

SEVER 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.

P/N 31463

WARNING

Do not operate without guards in place.

Failure to comply could result in death or serious injury.

P/N 12179

WARNING

BURN HAZARD!
Cooling system is under pressure.
Allow system to cool before handling.
Remove radiator cap slowly.
Wear appropriate safety gear.
Failure to comply could result in death or serious injury.

RADIATOR HANDLING INSTRUCTIONS

1. Use a 50/50 solution of water and antifreeze. Using 100% antifreeze will result in engine damage.
2. Check and replenish water prior to use. More water will be consumed when operating in hot conditions.
3. If overflow pipe begins emitting vapor, check and replenish water.
4. Remove and clean screen when dirty.
5. Check and clean fins periodically. Clogged fins will increase water consumption.
6. Protect radiator from fertilizer corrosion by washing radiator core with water.

P/N 31462

WARNING

Wear proper eye and ear protection when operating machine.

Failure to comply could result in death or serious injury.

P/N 23879

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.

P/N 31461

OPERATION AND MAINTENANCE MANUAL FOR THE FINN B260 STRAW BLOWER

This manual is designed for step-by-step instructions of the operation, care and maintenance on the B260 Straw Blower and, in addition, it contains a complete list of parts and components with descriptions and illustrations for easy identification. For best results and to insure longer life of the equipment, please follow these instructions carefully. For your safety, read the entire manual before operating of 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 any other vegetative material is spread on previously seeded areas to promote germination, while providing for temporary erosion control.

THE FINN B260 STRAW BLOWER AND HOW IT WORKS:

The Finn Straw Blower will apply any vegetative mulch at a fast and uniform rate utilizing a minimum amount of manpower.

The baled vegetative mulch material, when placed on the feed chute is being moved to the shredder housing by the variable speed power feed system. In the shredder housing, a combination of beater chains and air currents separate the mulch into individual fibers, which are drawn into the blower housing and blown through the discharge assembly and onto the seedbed.

TOWING TRUCK:

The truck used to tow the Finn Straw Blower should have a bed large enough to carry the quantity of mulch needed for economical operation. If the Straw Blower is going to be used on rough, hilly terrain, a truck with a two-speed axle is suggested. This will supply the necessary slow speed required for careful, uniform application. The truck must be equipped with a ball or pintle hitch with a large enough rating to tow the Straw Blower. Use a 2-5/16" ball rated at least 7,500 lbs. (3,401 kg). The tow truck must be able to support 750 lbs. (340 kg) down on its hitch. There must be provisions for the safety chains to be attached. The hitch should be mounted as near the end of the truck bed as possible.

ATTACHMENTS:

50' (15 m) EXTENSION FOR DISCHARGE SPOUT

The collapsible tube, when secured to the spout of the adapter provided, will extend the length of the discharge spout 50' (15 m). When this tube is attached, mulch material must be pushed farther before discharge. Thus, it is important to keep the air pressure as high as possible. This can be done by feeding not more than two (2) bales per minute of good bright material, less if the material being used is of poor quality. KEEP THE TUBE AS STRAIGHT AS POSSIBLE. DO NOT FEED MULCH UNTIL TUBE IS FILLED WITH AIR.

Asphalt hoses for the discharge spout extension are connected to the manifold at the side of the blower housing using a quick connect coupling. The valve on the extension is used the same way as the main valve on your Finn Straw Blower.

Since less mulch is being fed into the machine, less asphalt is required and smaller asphalt spray nozzles are used when the spout extension is in place. Clean the hoses and nozzles by the same technique as used with the hand held asphalt spray bar.

STACKING THE BALES ON THE TRUCK:

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 layers of bales "lengthwise" on the truck. The second layer of bales should be placed "crosswise". Then alternate successive layers lengthwise and crosswise so that the load is secure.

Leave enough room (at least the width of one bale) at the rear of the truck bed where the bale handlers have to work.

POSITIONING THE FEED CHUTE EXTENSION:

The feed chute extension should extend at least 18" (45 cm) over the rear edge of the truck bed. Achieve this as follows:

1. Unhook the discharge spout holddown, and fold it down to the horizontal position.
2. Swing the discharge tube to the side.
3. Swing the feed chute extension down to the feed position. If the extension is short of the edge of the truck bed, move it to the rear set of mounting holes.
4. The feed chute should then be adjusted so that it is 6 to 12 inches (15 to 30 cm) higher than the bed of the truck.
5. Be sure that when turning the truck, the truckload will not come in contact with the power feed mechanism.

PRE-START CHECK:

Safety check to insure operator safety:

1. Check the bolts on the hitch and safety chains, the brakes, and the trailer lights.
2. With ignition "On", check the amber safety light.
3. Check the signal horn.
4. Insure that all guards are in place.
5. Verify that the red safety light is "Out". Check the safety switches if the red safety light is "On"

EQUIPMENT CHECK:

CAUTION: Equipment Check is made with the engine off and all rotating parts stopped.

1. Tool Kit - see that it contains all prescribed items (see page 60 in parts manual).
2. Lubricate equipment - use handgun only (see lube chart pages 20-21).
3. Check engine oil and fuel. Refer to the engine manual for proper oil and fuel. Also, check hydraulic oil level. (See hydraulic system for oil spec.)
4. Inspect air cleaner for dust and dirt and clean if necessary.

   a) Knock the loose particles from element.

   b) Wash with water and detergent.

   c) Rinse and allow to dry . . . Do not force dry, do not use compressed air or heat.
5. Check belts for proper tightness. Belts are in proper adjustment when 8 lbs. (3.6 kg) pressure in the center of the belt produces 3/8" (1 cm) depression.
6. Engage and disengage clutch to determine if it "snaps" in and out of gear.
7. When not using an adhesive, remove the belts, which drive the asphalt pump (running the pump dry will permanently damage it).
8. Check the radiator liquid level (protected to -34˚F. (-37˚C) when shipped).
9. Check shredder box for foreign objects, which could damage the equipment or injure workers.
10. Check beater chains and their mounting pins for damage or wear. Replace if necessary.

STARTING THE ENGINE:

CAUTION: **See safety section of the manual (pages 2-4) before operating the machine.**

1. Be sure that the clutch is disengaged and that the power feed handle is in the "Off" position.
2. Turn ignition switch to "START" position. If engine does not start within 10 seconds, turn the key back to the "Off" position and wait at least 30 seconds before trying again.

NOTE: This engine has a safety system that will shut the engine off if the engine oil pressure drops below 7 psi (48 kPa), or if the water temperature reaches 239˚F (115˚C).

3. Allow the engine to warm up at fast idle for 3 to 5 minutes.
4. The engine information display will show the current engine conditions. The display can be customized to show different engine parameters (RPM, hours, volts, coolant temperature, etc.). See "PowerView" on pages 9-11.
5. With the engine still idling, engage the clutch slowly. Move the throttle to wide-open position and let the governor control the engine speed. Governed speed of the engine on the Finn Straw Blower should be 2550 to 2600 RPM under load.

CAUTION: **Before engaging the clutch, be certain that the discharge tube is under control and is pointed in the proper direction.**

IMPORTANT: After the first 4 to 8 hours of operation, the drive belt should be checked and retightened (see pages 16-17) , and the clutch checked and adjusted (see page 19).

POWERVIEW

The PowerView is a multifunctional tool that enables the operator to view many different engine parameters and service codes. A graphical back-lit LCD screen can display either a single parameter or a quadrant display showing four parameters simultaneously. Diagnostic capabilities include fault codes with text translation for the most common fault conditions.

The following relative engine parameters can be displayed in either English or Metric units, as well as in Spanish, French, or German:

- Engine RPM
- Engine Hours
- System Voltage
- % Engine Load at Current RPM
- Coolant Temperature
- Oil Pressure
- Throttle Position
- Active Service Codes

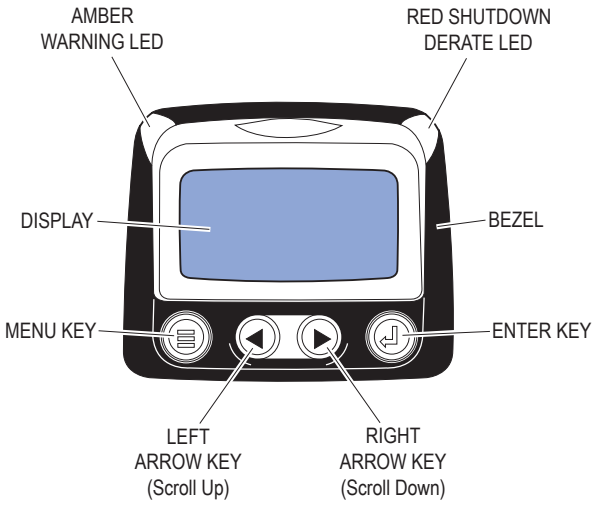
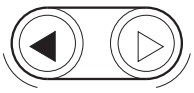


FIGURE 1 - FACEPLATE FEATURES

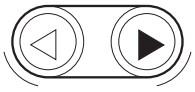
FACEPLATE

The keypad on the PowerView is a capacitive touch sensing system. There are no mechanical switches to stick or wear out. It operates in extreme temperatures, with gloves, through ice, snow, mud, grease, etc. When the key is touched, feedback is provided by flashing the screen. The keys on the keypad perform the following functions (refer to Figure 1):

Menu Key
The Menu Key is used to either enter or exit the menu screens.



Left Arrow Key
The Left Arrow Key is used to scroll through the screen, either moving the parameter selection towards the left or upward.



Right Arrow Key
The Right Arrow Key is used to scroll through the screen, either moving the parameter selection towards the right or downward.

Enter Key
The Enter Key is used to select the parameter that is highlighted on the screen.

POWERVIEW OPERATION

PowerView Menus (First Time Start Up)

1. Once the engine has been started and the keyswitch is turned to "RUN", the RPM Engine Parameter is displayed. See Figure 2.
2. To toggle through the various engine parameters, touch either the left or right arrow key.
3. To switch to the "4-Up Display", touch the Menu Key to display the first seven items of the Main Menu. See Figure 3.
4. Since the first menu item listed is "Go To 4-Up Display", touch the Enter Key to select the four parameter display.

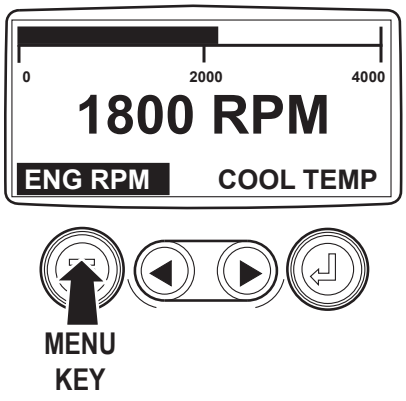


Figure 2 - 1-Up Display

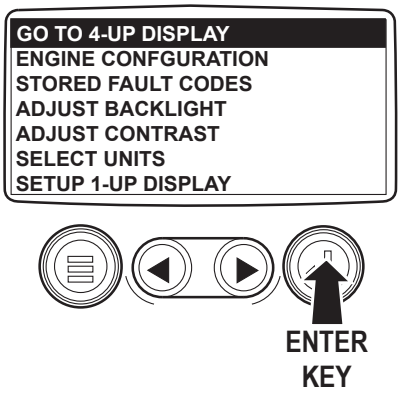


Figure 3 - Main Menu

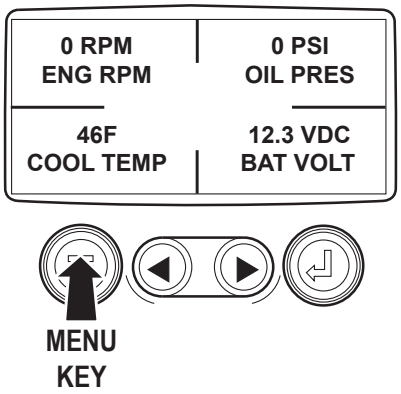


Figure 4 - 4-Up Display

Stored Fault Codes

The PowerView Display will store any fault codes generated by the engine and display them along with a text description. To access these fault codes:

1. Touch the Menu Key to display the Main Menu.
2. Using the Right Arrow Key, toggle down the list until "Stored Fault Codes" is highlighted. See Figure 5.
3. Touch the Enter Key to view any stored fault codes. The display will respond by presenting a "Requesting Fault Codes" message while the system retrieves the codes. See Figure 6.

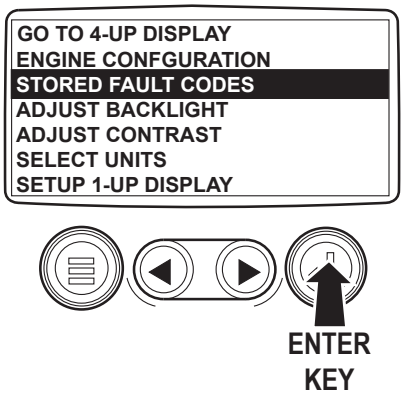


Figure 5 - Main Menu

4. Once the stored fault codes have been retrieved, the initial code will be displayed along with a text description. See Figure 7.
5. If the word "MORE" appears at the bottom of the display, this indicates that there are additional fault codes being stored. Use the Right Arrow key to advance to the next code.
6. As long as the arrow appears to the right of the word "MORE" as you advance through the fault codes, this means there are more codes available for viewing. When the arrow shifts to the left of the word "MORE", this is an indication that you have accessed the final fault code being stored. At this point you can touch the Left Arrow Key to review the fault codes or touch the Menu Key to return to the Main Menu.

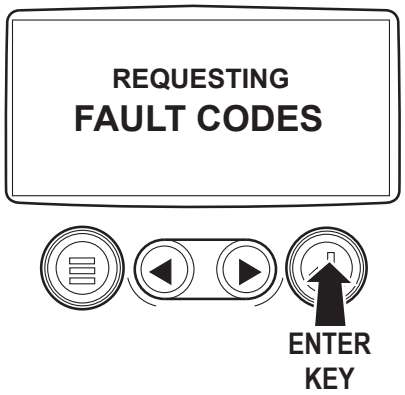


Figure 6 - Access Stored Fault Codes

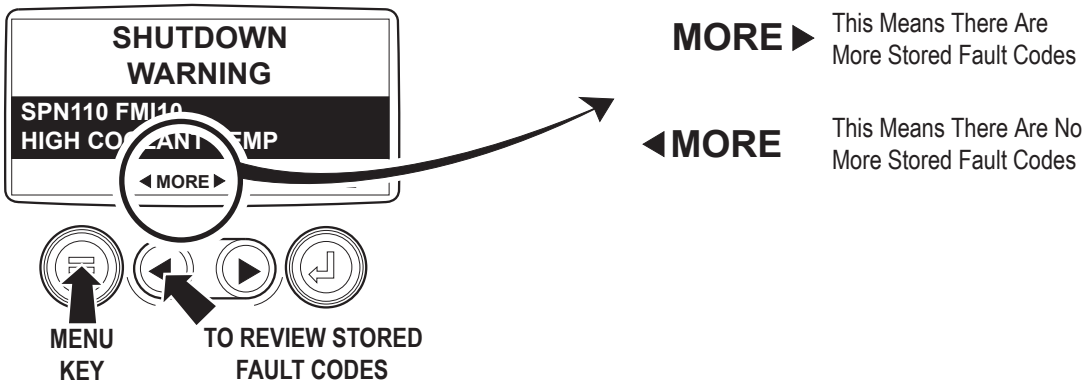


Figure 7 - Stored Fault Codes

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 signals with the signal horn.
2. The Bale Handlers operate from the truck bed and supply the power feed assembly with bales of mulch material; they cut and dispose of bale twine or wire, and keep the power feed chute full of material with no gaps so there will be no interruption in distribution of the mulch to the seedbed.
3. The Truck Driver follows the directions of the operator for the movement of the towing truck. The truck driver should be cautious in stopping the truck so crew members are not thrown off balance.

FEEDING THE MULCH:

The power feed assembly of the Finn Straw Blower has been designed to give fast, uniform, mechanical feeding. The adjustable feeding rate allows use of varied materials and at the same time obtains maximum production.

The power feed assembly, by means of a power feed chain, feed the mulch material at an adjustable rate to the separator roll which drops the bats into the shredder housing.

The power feed assembly is driven by a hydraulic motor mounted on the top side of the power feed chute and is controlled by the operator at the discharge control station. The power feed control is a lever which, when it is pulled back from the center position, makes the power feed chain run away from and when pushed forward from the center position causes the power feed chain to move toward the shredder housing. Forward or rearward, the further the lever is moved, the faster the chain travels. Once a speed has been selected, centering the lever stops the chain and returning the lever to the same position gives the same speed. Through use of the power feed control lever, the operator can momentarily stop the feeding cycle when wet bales are encountered or when it's necessary to stop application because of driveways, bridge abutments, etc. The operator can slow down or speed up the rate of feeding depending on the type of material that is being encountered bale-by-bale.

To start the power feed, push the control lever slowly until the desired speed is reached. It is necessary for bale handlers to keep the power feed chute completely full at all times to get the maximum production rate of the Finn Straw Blower.

The operator should have a full stream of mulch coming at all times, directing the material to the area to be mulched. He has complete control of the power feed mechanism by the use of the control lever and can vary the rate of feed instantaneously to fit all conditions. If the bale handlers are unable to keep the feed chute full, the operator should slow the feed down slightly until the bale handlers can keep up. This gives a more uniform application. If the feed rate is not fast enough for good bright straw, and the control handle is full forward, move the handle to the right and then forward into the high speed forward slot.

It is suggested that every truckload of mulch, the power feed tray is emptied to allow the operator to remove any wire or twine from around the feeder roll.

Rate of feed should never be set beyond the capacity of the machine to compensate for the poor quality of mulch material being used as overloading the machine will occur, causing extensive wear and maintenance problems.

DISTRIBUTING THE MULCH:

The Straw Blower should be towed to a point approximately 60' (18 m) from the area where mulch is to be applied. The elevator elevates the discharge spout about 10˚ above the plain of the seedbed so that the mulch floats onto the seedbed.

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 prevailing winds. The tube should never be directed into the wind, towards any person, or at the towing vehicle.

SMOOTHING OUT MULCH PATTERNS:

The lower roll assembly in the shredder housing which is driven by the blower power band, is equipped with mounting points for 8 beater chains and 6 fingers. For normal straw application, 4 or 6 chains are all that are needed. If you have material coming out in lumps or find it impossible to handle because the mulch is wet or hard, install extra chains in pairs until smoothness of mulch application is reached.

CAUTION: Be sure beater chains are mounted opposite each other at all times to avoid throwing the blower shaft out of balance.

If your equipment is still throwing mulch material out in lumps and does not have a good discharge pattern, move the last beater hub closer to the blower housing, but have it in the shredder box.

CLOGGING OF THE MULCH BLOWING SYSTEM:

If during operation the machine gets plugged, simply shut off the power feed. If the machine does not clear, disengage clutch and let the machine coast to a stop; before turning off engine the operator can reverse the power feed chain using the control lever to unload the power feed chute to facilitate cleaning the machine.

DANGER: Do not reach into the shredder box or attempt any adjustment until the engine and all rotating parts have stopped.

Four locations have been provided to help remove any obstructions:

1. The opening into the beater box into which the mulch material is fed.
2. The access door in the shredder housing.
3. The access door into the blower discharge transition.
4. The discharge tube itself

When the obstruction has been removed and access doors closed, the motor can again be started and mulch application continued.

If consistent plugging occurs, it can be caused by one of several reasons:

1. The bale handlers do not feed the bales at a consistent rate and/or do not guide the bales properly onto the power feed mechanism after they remove the strings or wires, leaving gaps in the stream of bales or the bats lay flat on the tray.
2. The power band is out of adjustment, causing it to slip.
3. The clutch is out of adjustment and is slipping.
4. Check that the necessary beater chains are installed.
5. Operator is feeding the mulch material too fast and overloading the shredder housing. The blower will only suck separated mulch fibers into the blower housing; this separation process takes longer with wet and hard material than with dry mulch material.

HYDRAULIC SYSTEM:

The hydraulic system on your Finn Straw Blower consists of a pump, reservoir with suction strainer, oil filter, and power feed hydraulic motor with flow control valve set to operate at 2000 psi (13790 kPa). The most important maintenance areas are the hydraulic oil and filtration. The reservoir holds 8 gallons of ISO Grade 46 Hydraulic Oil. Hydraulic oil should be replaced per the lubrication schedule or if the oil becomes milky or gives off a burnt odor. Hydraulic oil filter must be replaced with a 25 Micron absolute filter – Finn part # 021618. The following checks will keep your Finn Straw Blower in proper operating condition:

1. Check oil level once a week. Add additional oil when level goes down below 1-1/2" (3.8 cm).
2. Change oil filter on oil tank every 500 hours of operation.
3. Check and clean suction strainer once a year or whenever the oil is changed.
4. Change hydraulic oil whenever the color turns to milky white, (change is caused by water getting into hydraulic system) or if oil gives off a burnt odor.
5. Keep all fittings and hoses tight and leak free.
6. Keep system clean at all times.

CAUTION: **Do not start or run the engine without hydraulic oil in the reservoir or with a closed reservoir ball valve as permanent damage to the hydraulic pump will occur.**

TROUBLE SHOOTING THE HYDRAULIC SYSTEM:

Symptom	Probable Cause	Remedy
Power feed motor will not run in either direction.	Plugged suction strainer.	Clean strainer.
	Suction line valve closed.	Open valve.
	Collapsed suction hose.	Replace hose.
	Worn pump.	Repair or replace.
Power feed chain runs unevenly.	Loose chain.	Adjust tension on chains.
Power feed motor runs in reverse only.	Flow control stuck or plugged.	Repair or replace.
	Flow control cable inoperative.	Repair cable.

CLEANING AND MAINTENANCE:

CAUTION: Turn off engine and disconnect battery before servicing equipment.

AFTER FIRST 100 HOURS OF OPERATION:

1. Check belt tension on the drive belt - see pages 16-17.
2. Check and adjust clutch - see page 19.
3. Retorque wheel lugs – again after 7 days.

DAILY CLEAN-UP MAINTENANCE:

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

1. Check the air cleaner on the engine by removing the element and checking the cleanliness of the element by using a light inserted inside. If the light cannot be seen, element is dirty. Wash it with clean water and detergent; do not use a pressure hose. If you cannot get it clean enough to see the light, element should be replaced.

2. Clean the radiator and radiator screen with tap water.
3. Check crankcase oil level and add oil if necessary.
4. Check the tension on the power band 3/8" (1 cm) depression at the center of the band using 8 lbs. (3.6 kg) of pressure and adjust if necessary.
5. Clean beater rolls, making sure to remove all twine, wire and other foreign objects.
6. Lock the discharge tube (using the hold down strap) into the carrying saddle.
7. Fill the fuel tank.
8. Check hitch bolts, safety chains, and brakes.

WEEKLY MAINTENANCE:

After each 40 hours of operation, follow this procedure:

1. Change the engine oil, following the engine manufacturer's recommendations.
2. Change the engine oil filter cartridge with every other oil change.
3. Lubricate bearings with general-purpose chassis lubricant to remove dirt and prevent overheating.
4. Inflate tires to proper pressure as specified on the tire.
5. Check clutch adjustment. If clutch does not sharply snap in or out, clutch needs adjustment. Refer to your clutch manual for instructions.

ADJUSTING THE DRIVE BELT:

1. Remove the Belt Guard to expose the Drive Belt.
2. Position a straight edge across the belt from the Blower Shaft Sheave and extending across the top of the Engine Clutch Sheave. See Figure 8.
3. Applying 8 lbs of pressure directly down on the Drive Belt (about halfway between the two sheaves), measure the distance from the bottom of the straight edge to the top of the drive belt. This dimension should be 3/8".
4. If the drive belt requires adjustment, loosen the four bolts securing the Front Engine Mount and the Rear Engine Foot to the Trailer Frame.
5. Mark the Rear and Front Jacking Bolts to identify the current positions.
6. To tighten the Drive Belt, tighten the Rear Jacking Bolt by turning clockwise two full turns.
7. To keep the Engine in proper alignment, loosen the Front Jacking Bolt two full turns counter-clockwise.
8. Recheck the Drive Belt measurement as described in Steps 2 and 3.
9. Continue to adjust Jacking Bolts to obtain the correct measurement.
10. After obtaining the correct measurement, retighten the four bolts securing the Front Engine Mount and the Rear Engine Foot to the Trailer Frame.
11. Replace the Belt Guard.

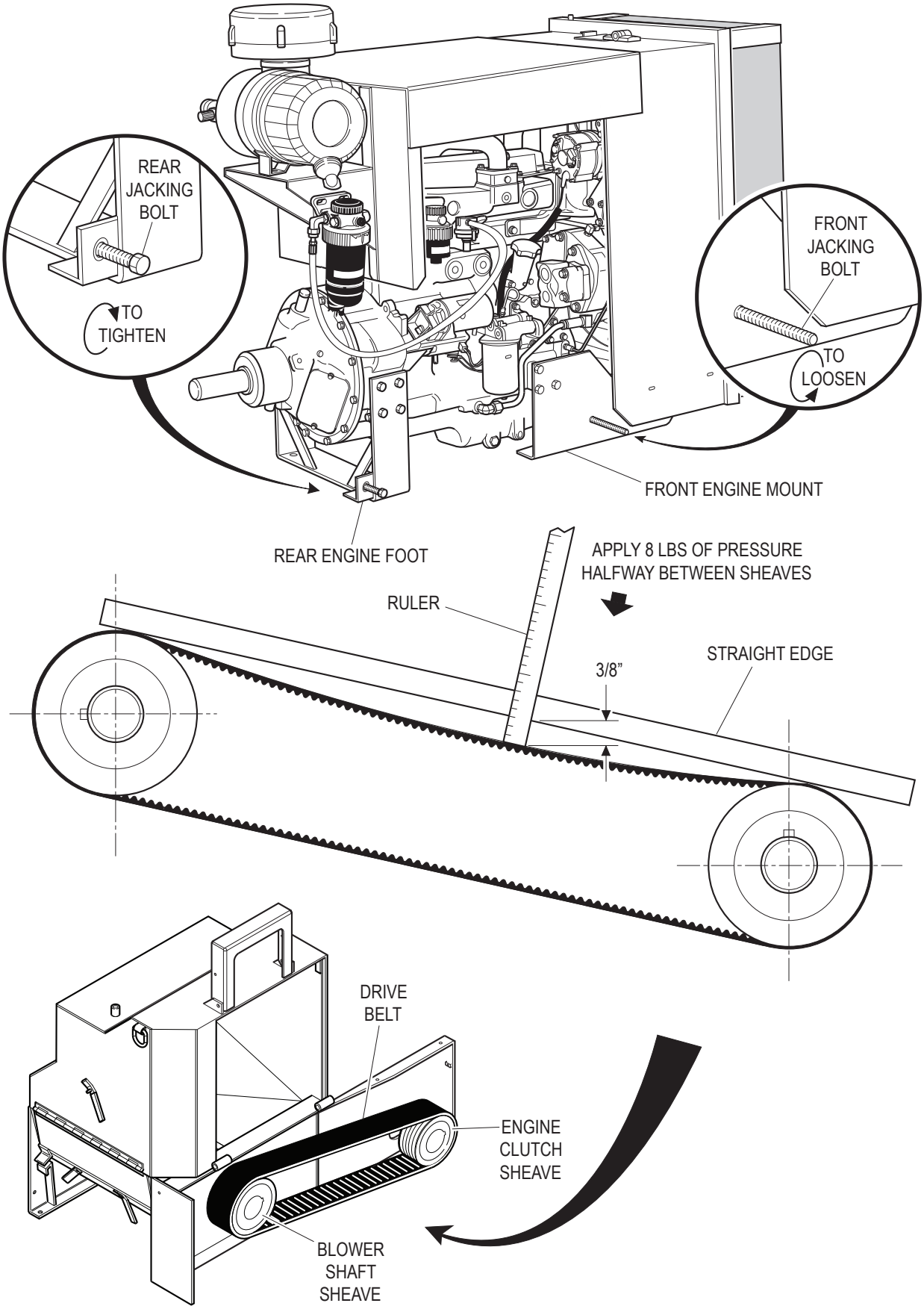


FIGURE 8 - ADJUSTING THE DRIVE BELT

ADJUSTING THE FEED CHAIN:

1. About halfway between the Idler Sprocket Assembly and the Drive Shaft Idler Assembly, pull the Feed Chain taut away from the bottom of the Feed Chute Weldment. At the point where you have pulled the Feed Chain away measure the distance between the top of the Feed Chain and the bottom of the Feed Chute Weldment. This dimension should be 4-1/2". See Figure 9.
2. If the Feed Chain requires adjustment, loosen the four bolts securing the Idler Sprocket Assembly to the Feed Chute Weldment.
3. Adjust by moving the Idler Sprocket Assembly towards the end of the Feed Chute until you obtain the measurement provided in Step 2. If the 4-1/2" measurement cannot be obtained by shifting the Idler Sprocket Assembly, remove links from the Feed Chain as necessary.
4. Tighten the four bolts securing the Idler Sprocket Assembly to the Feed Chute Weldment.

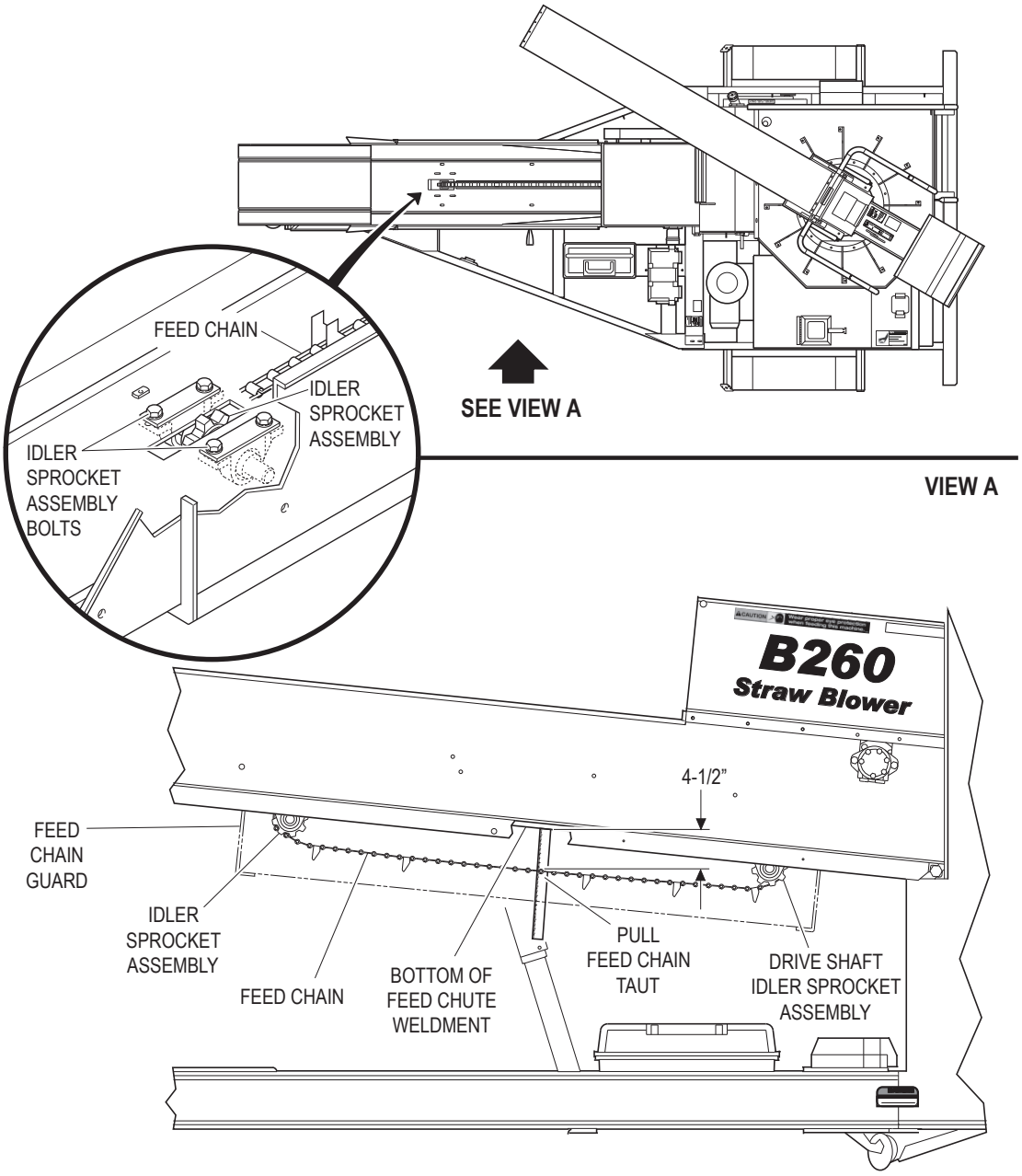


FIGURE 9 - ADJUSTING THE FEED CHAIN

CLUTCH CARE AND MAINTENANCE:

This is a short, simple outline of the Twin Disk Clutch adjustment and lubrication procedures. When performing maintenance beyond this brief outline, refer to the Twin Disk Clutch Care and Operations Manual. In order to properly identify parts when ordering replacement parts, always refer to the unit and specification number stamped on the name plate on the top center of the power take-off housing.

NOTE: If your Straw Blower is equipped with a NACD Clutch, refer to the "NACD Power Take-Off Service Manual For 6-1/2", 7-1/2", 8", 10" and 11-1/2" HE Clutches."

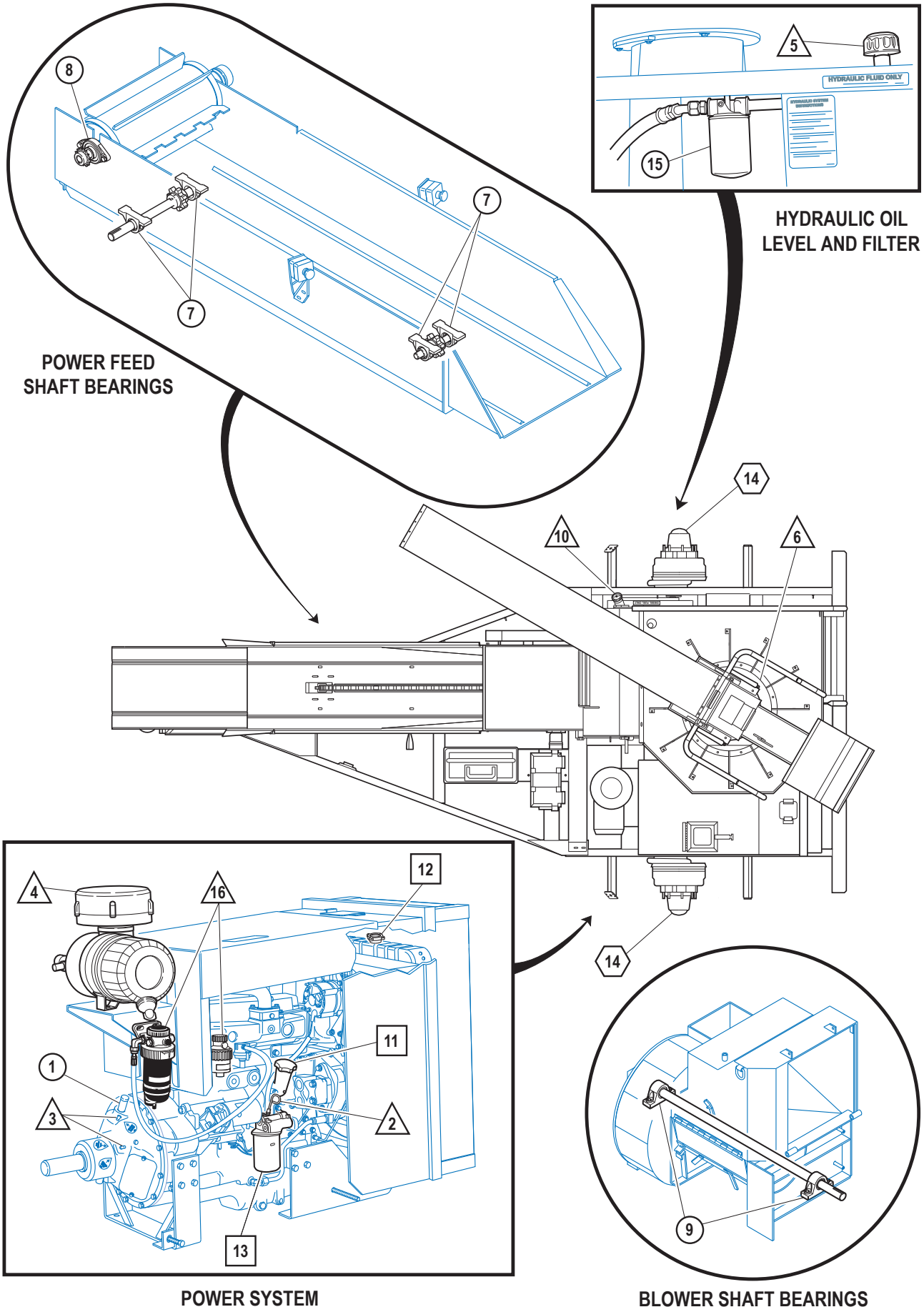
LUBRICATION:

The Twin Disk Clutch is equipped with life-time lubrication internal bearings and should not be lubricated. The operating shaft bearing located where the drive shaft exits the clutch housing should, however, be lubricated every 1-3 months, depending on usage. The clutch engage lever shaft should be lubricated weekly.

ADJUSTMENT:

If the clutch does not pull, heats, or if the operating lever jumps out of engagement, the clutch must be adjusted. To adjust the clutch, remove the name plate located on the top center of the power take-off housing. Turn the clutch shaft assembly until the adjusting pin can be reached. Disengage the adjusting lock pin and turn the adjusting yoke or ring to the right or clockwise until the lever requires a distinct pressure to engage (approximately 26 lbs. of pull). A new clutch generally requires several adjustments until the friction surfaces are worn in. After the clutch is "worn in", the adjustment should be checked regularly.

NOTE: Do not adjust clutch too tight. Overtightening can cause component failure.


8
7
7
POWER FEED
SHAFT BEARINGS
5
HYDRAULIC FLUID ONLY
15
HYDRAULIC OIL
LEVEL AND FILTER
14
10
6
14
4
16
12
11
1
3
2
13
POWER SYSTEM
9
BLOWER SHAFT BEARINGS

LUBRICATION CHART

Ref. No.	Location	Lubricant	Frequency	Number
1	Clutch Shaft Bearing	CL	Weekly	1
2	Check Engine Oil Level	MO	Daily	1
3	Clutch Yoke Shaft	CL	Weekly	2
4	Check Air Cleaner		Daily	1
5	Check Hydraulic Oil Level	HO	Daily	1
	Change Hydraulic Oil and Filter	HO	Annually	1
6	Discharge Elbow Bearing	CL	Daily	1
	Rotate Elbow to 6 or 8 different positions			
7	Power Feed Shaft Bearings	CL	Weekly	4
8	Feeder Roll Bearing	CL	Weekly	1
9	Blower Shaft Bearings	CL	Weekly	2
10	Check Fuel Tank Level	DF	Daily	1
11	Change Engine Oil	MO	See Engine Manual	1
12	Check Engine Coolant Level	AF	Daily	1
	Check Engine Coolant	AF	Seasonally	1
13	Check Oil Filter		See Engine Manual	1
14	Repack Wheel Bearings	CL	Seasonally	2
15	Change Hydraulic Oil Filter	HO	Seasonally	1
16	Check Fuel Filter		Daily	2

LUBRICANT OR FLUID USED

CL	Chassis Lubricant
MO	Motor Oil - See Engine Manual
AF	50/50 Anti-Freeze and Water Mixture
DF	Diesel Fuel
HO	Hydraulic Oil, ISO Grade 46

TIME KEY

DAILY (8 hours)

WEEKLY (40 hours)

SEASONALLY (500 hours)

ANNUALLY (2000 hours)

SEE ENGINE MANUAL

FLUID CAPACITIES

Fuel - 27 Gallons (102 L)
Hydraulic Oil - 8 Gallons (30 L)
Engine Coolant - 3.75 Gallons (14.2 L) 50/50 Mix Only
Engine Oil - 14 Quarts (13.3 L)

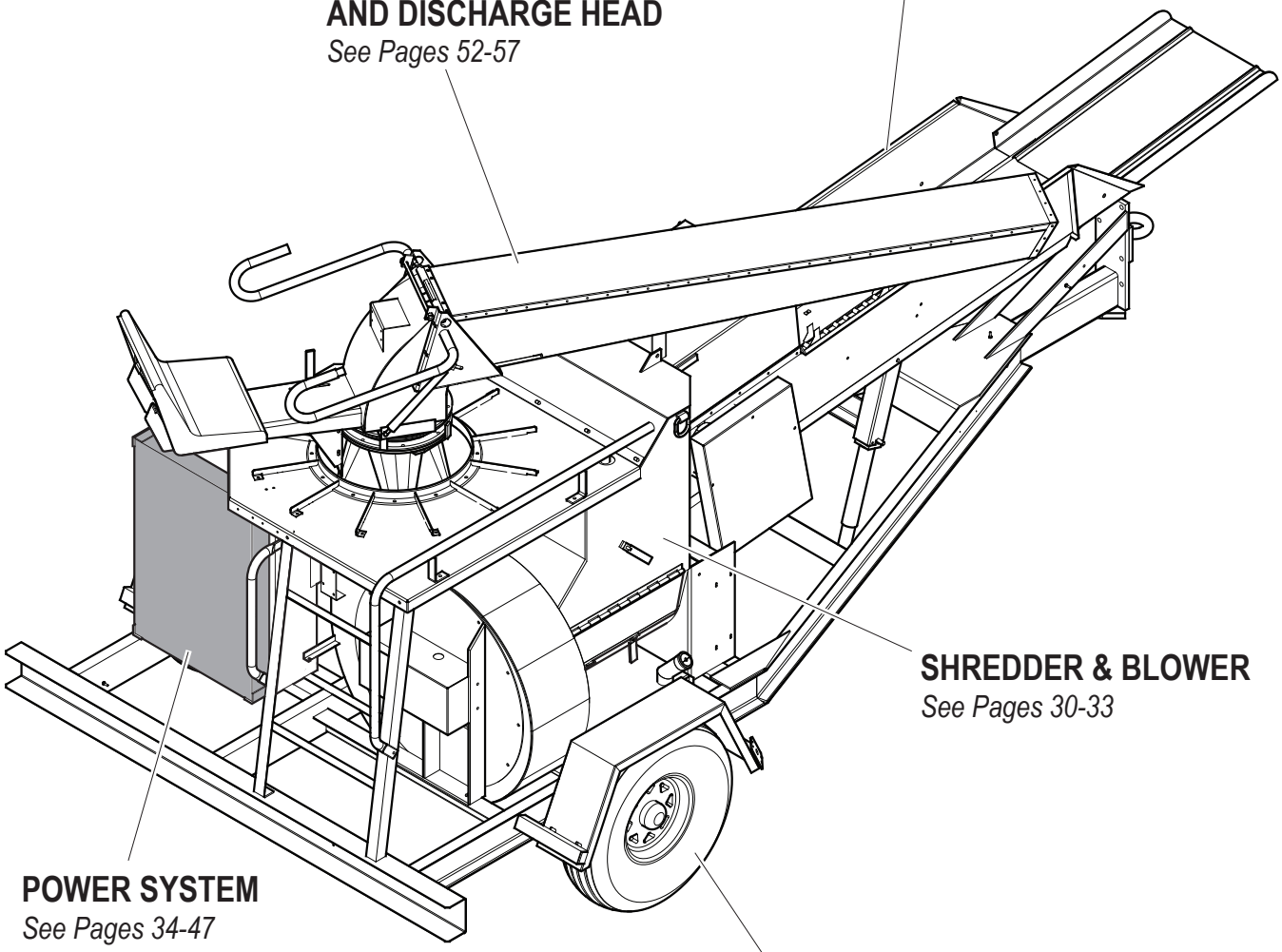
NOTES

B260
Straw Blower
Parts Manual

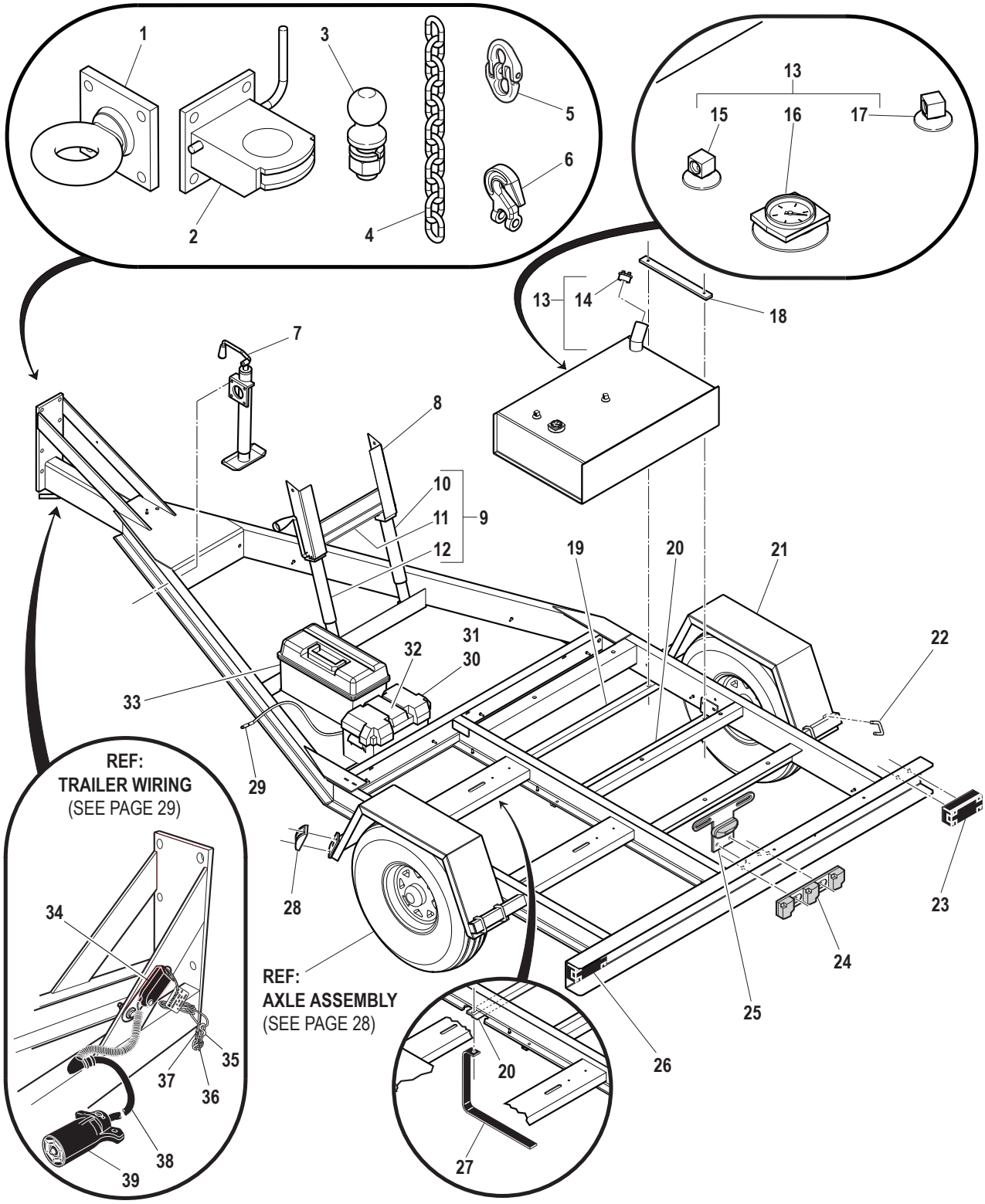
Model SEB

NOTES

FINN B260 STRAW BLOWER



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



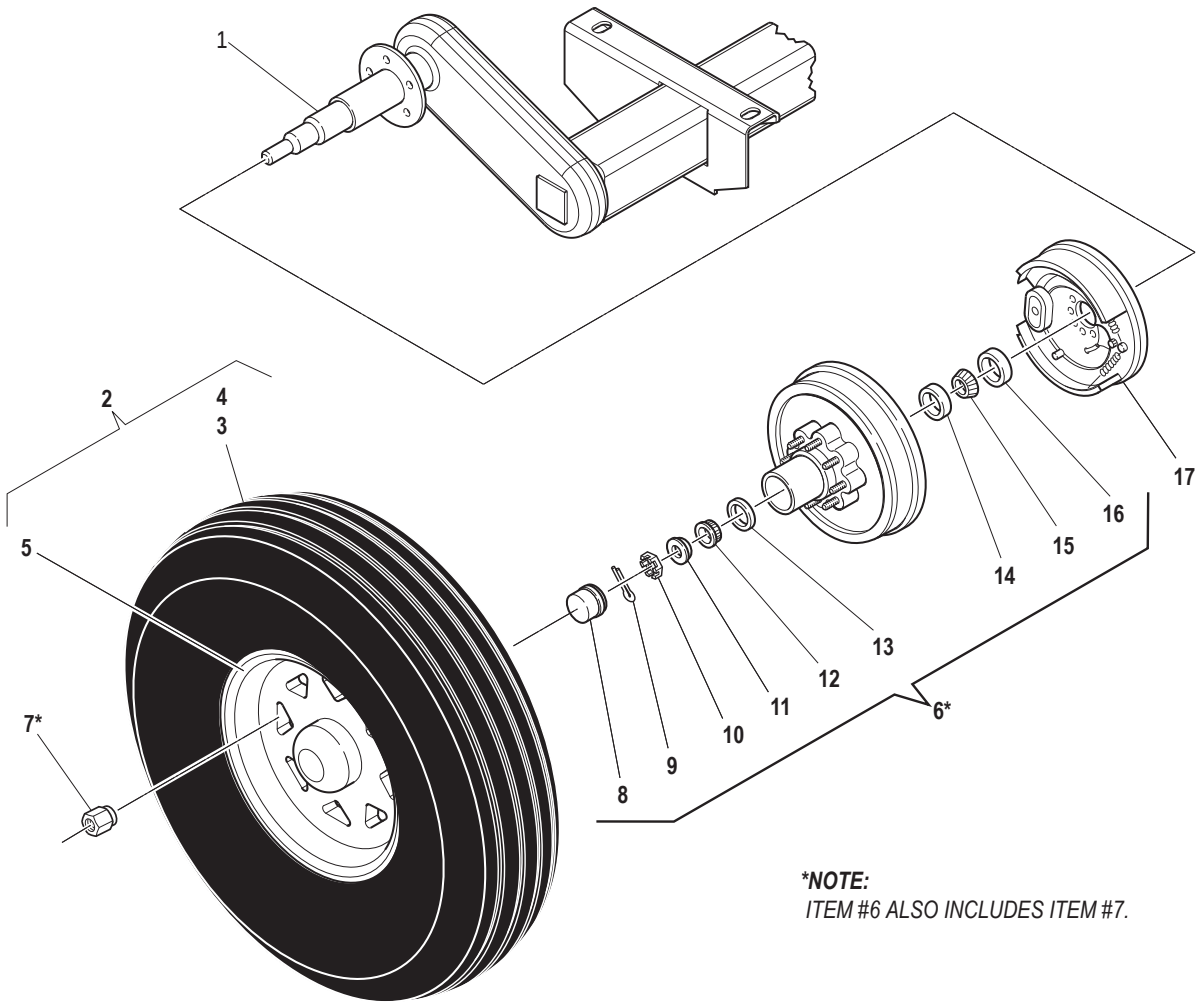
WHEN ORDERING PARTS, BE SURE TO STATE SERIAL NUMBER OF MACHINE

TRAILER

Ref. No.	Part Number	Description	No. Req'd
1	080043	Tow Ring (Standard)	1
2	005134	Coupler (Optional)	1
3	005135	2-5/16" Ball (Optional)	1
4	190033	Safety Chain - 3' Length	2
5	004888	Coupling Link	2
6	023485	Clevis Grab Hook	2
7	022588	Frame Jack	1
8	023592	Dual Jack Mount	1
9	023654	Dual Jack Arrangement	1
10	023637	Jack With Stub Shaft	1
11	023591-06	Connecting Pipe	1
12	023636	Jack With Crank	1
13	023062	Fuel Tank Assembly	1
14	007914	Fuel Tank Cap	1
15	023770-02	Return Tube Assembly	1
16	022739-04	Fuel Level Gauge	1
17	023770-01	Suction Tube Assembly	1
18	023529-11	Front Fuel Tank Support	1
19	023529-10	Rear Fuel Tank Support	1
20	023742	Fuel Tank Mounting Weldment	1
21	F60-0015	Fender	2
22	005545	U-Bolt	8
23	005138*	Right Taillight Assembly	1
24	060316*	3-Bar Light	1
25	005236*	License Light	1
26	005137*	Left Taillight Assembly	1
27	000489	Static Strip	1
28	FW71090*	Marker Light	2
29	080096	Battery Cable	1
30	011770	Battery Box	1
31	011851*	Battery	1
32	080220	Battery Tie Down Strap	1
33	052160	Tool Box	1
34	023424*	Breakaway Switch	1
35	005016	"S" Hook	2
36	190029	Chain	1-1/2'
37	005017	Snap Hook	1
38	023635*	Trailer Wiring Harness	1
39	075592*	7-Blade Trailer Plug	1

*__NOTE:__ *See Page 29 for Wiring Diagram.*

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

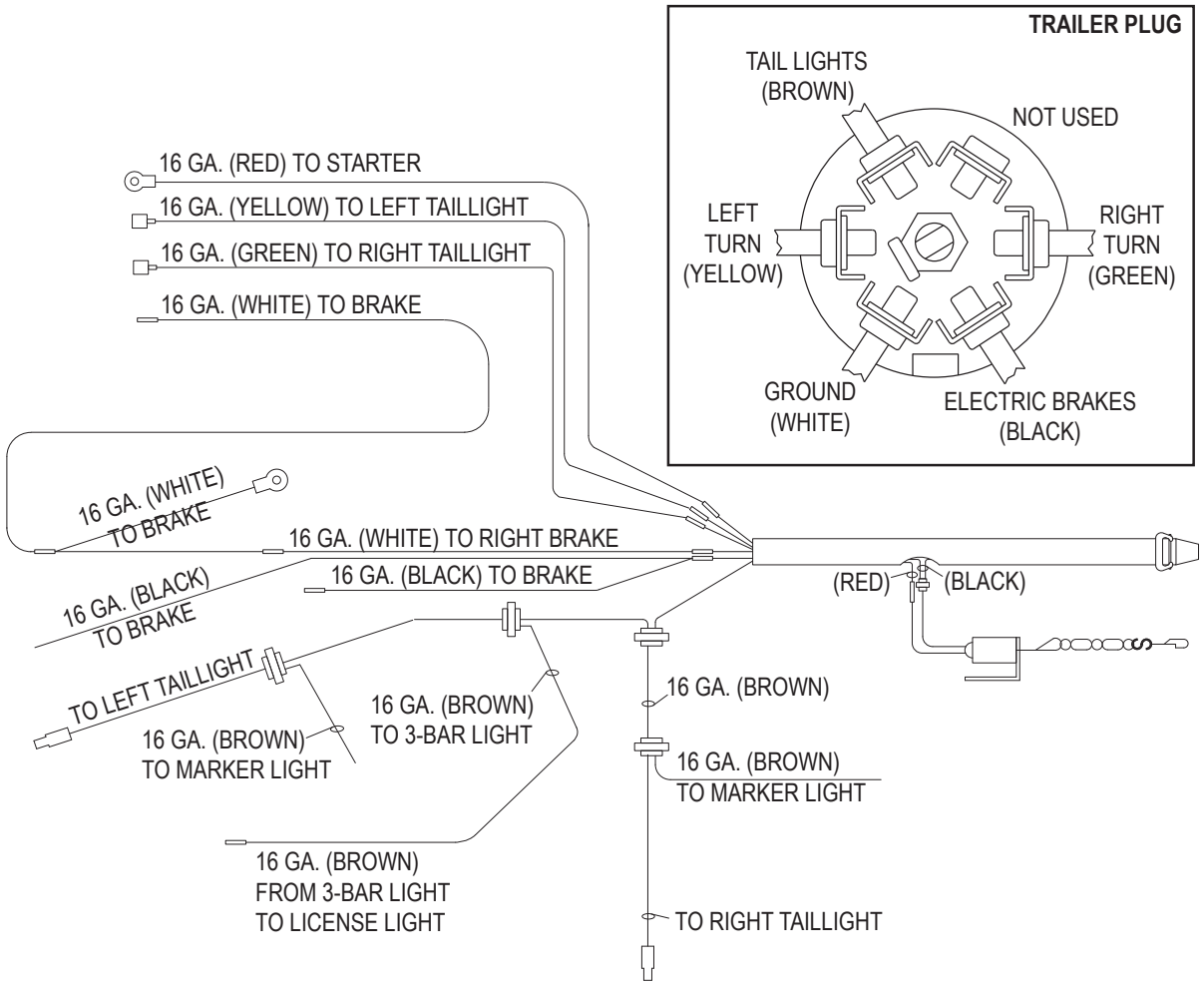


NOTE:
ITEM #6 ALSO INCLUDES ITEM #7.

AXLE ASSEMBLY

Ref. No.	Part Number	Description	No. Req'd
1	023741	Axle with Spindles, Hubs and Drums	1
2	080669	Wheel and Tire Assembly	2
3	080668	Tire	1 per
4	023780	Tire Valve	1 per
5	080663	Wheel	2
6	WL8-219-4	Hub and Drum Assembly	2
7	WL6-80	Wheel Nut	8 per
8	WL21-1	Grease Cap	1 per
9	WL19-2	Cotter Pin	1 per
10	WL6-1	Spindle Nut	1 per
11	WL5-23	Spindle Washer	1 per
12	WL5-123	Outer Bearing Cone	1 per
13	WL15245	Outer Bearing Cup	1 per
14	WL25520	Inner Bearing Cup	1 per
15	WL25580	Inner Bearing Cone	1 per
16	WL25580	Grease Seal	1 per
17	022441	Brake Assembly	2

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

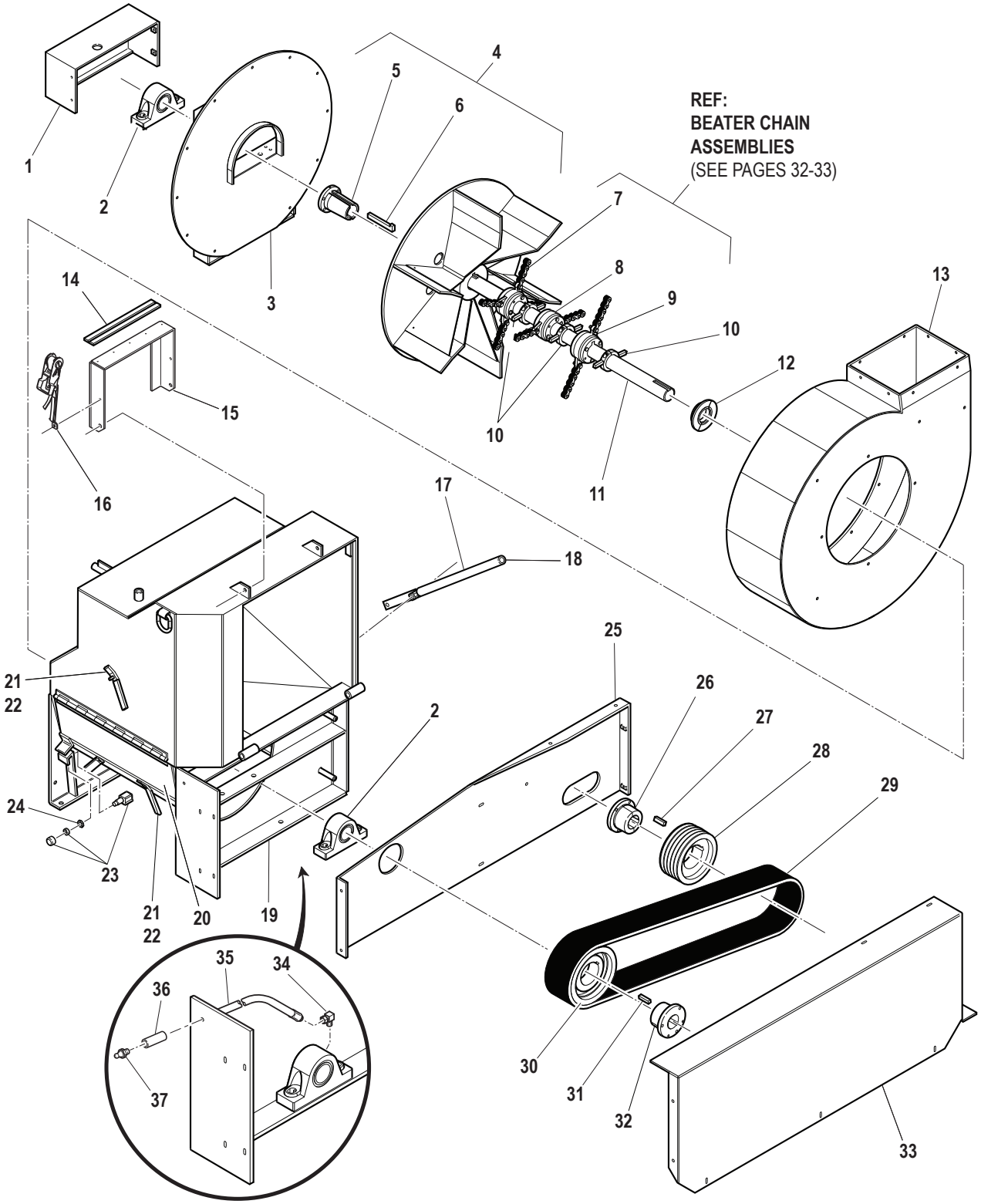


TRAILER WIRING

Part Number	Description	No. Req'd
023635	Trailer Wiring Harness	1
075592	7-Blade Trailer Plug	1
023424	Breakaway Switch	1
FW71090	Marker Light	2
005138	Right Taillight Assembly	1
005137	Left Taillight Assembly	1
005236	License Light	1
060316	3-Bar Light	1

NOTE: *See Pages 26-27 for Locations of the above components.*

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



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

SHREDDER BOX & BLOWER HOUSING

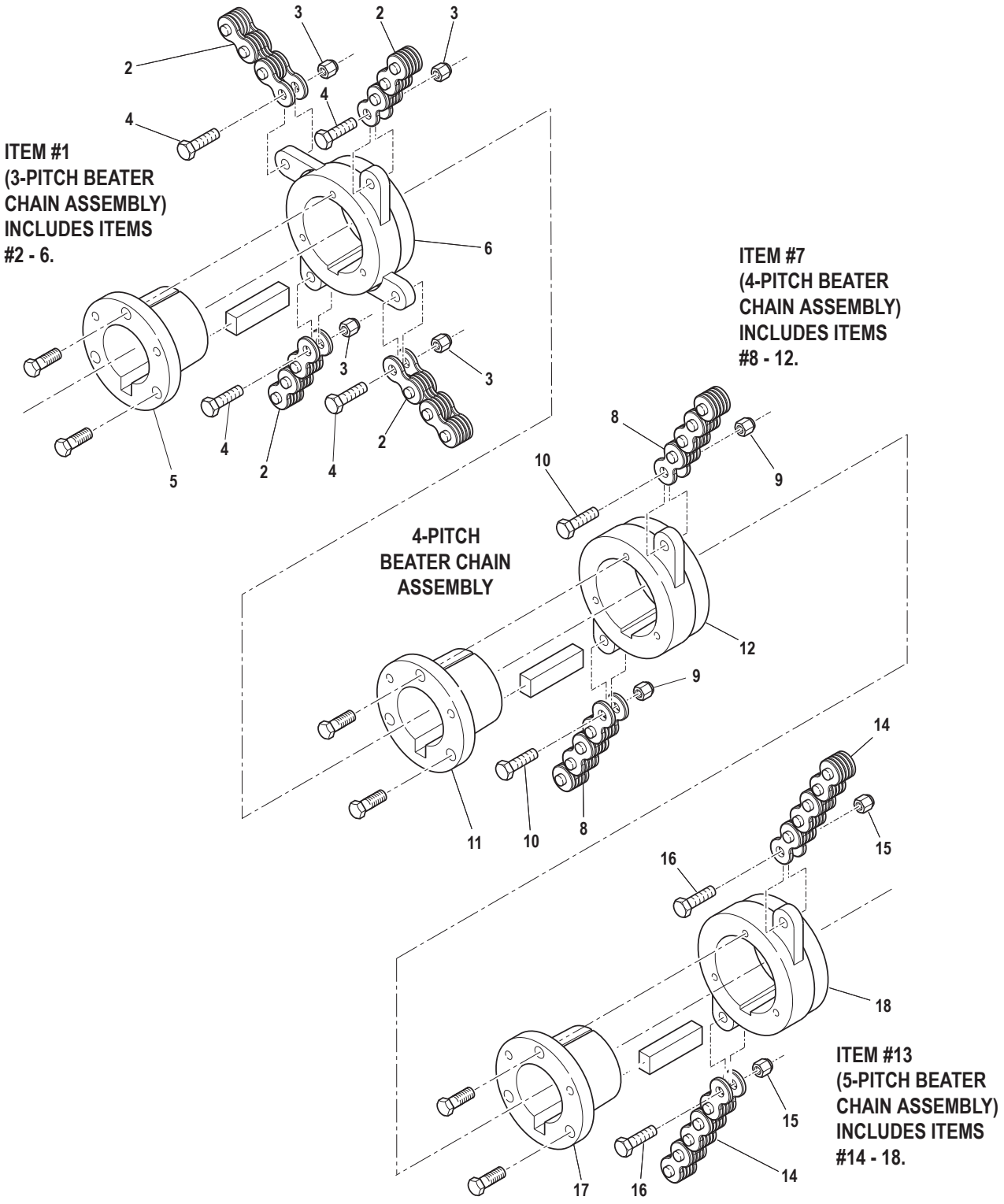
Ref. No.	Part Number	Description	No. Req'd
1	023418	Blower Shaft End Cover	1
2	021511	Bearing	2
3	023632	Blower Cover Weldment	1
4	023311	Blower Blade Assembly	1
5	021512	Bushing	1
6	022159	Key	1
7	021361*	Beater Chain Assembly - 3 Pitch	1
8	021822*	Beater Chain Assembly - 4 Pitch	1
9	023228*	Beater Chain Assembly - 5 Pitch	1
10	023334	Breaker Collar	3
11	021365	Blower Shaft	1
12	023752	Bearing Shield Assembly	1
13	023627	Blower Housing	1
14	023583-06	Holddown Rubber Cushion	1
15	F260-0017	Tube Holddown	1
16	023527	Holddown Strap Assembly	1
17	023794-01	Clutch Handle	1
18	004996	1" Pipe Plug	1
19	023571	Shredder Box Weldment	1
20	023574	Access Door	1
21	023572-09	Door Latch	3
22	022202	Plastic Handle Grip	3
23	052436**	Door Switch	1
24	052707	Hex Nut	1
25	023536	Dust Guard	1
26	060030	Bushing	1
27	011441	Key	1
28	023595	Engine Clutch Sheave	1
29	023839	Drive Belt	1
30	060032	Blower Shaft Sheave	1
31	023649	Key	1
32	060305B	Bushing	1
33	023537	Belt Guard	1
34	160052	Elbow 90 Degree ST 1/8	1
35	023850	15" Lg. Grease Hose	1
36	160152	1/8" Standard Coupling	1
37	007705	1/8" NPTF Straight Grease Fitting	1

NOTES:

** See Pages 32-33 for component breakdown.*

*** See Pages 46-47 for Wiring Diagram*

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

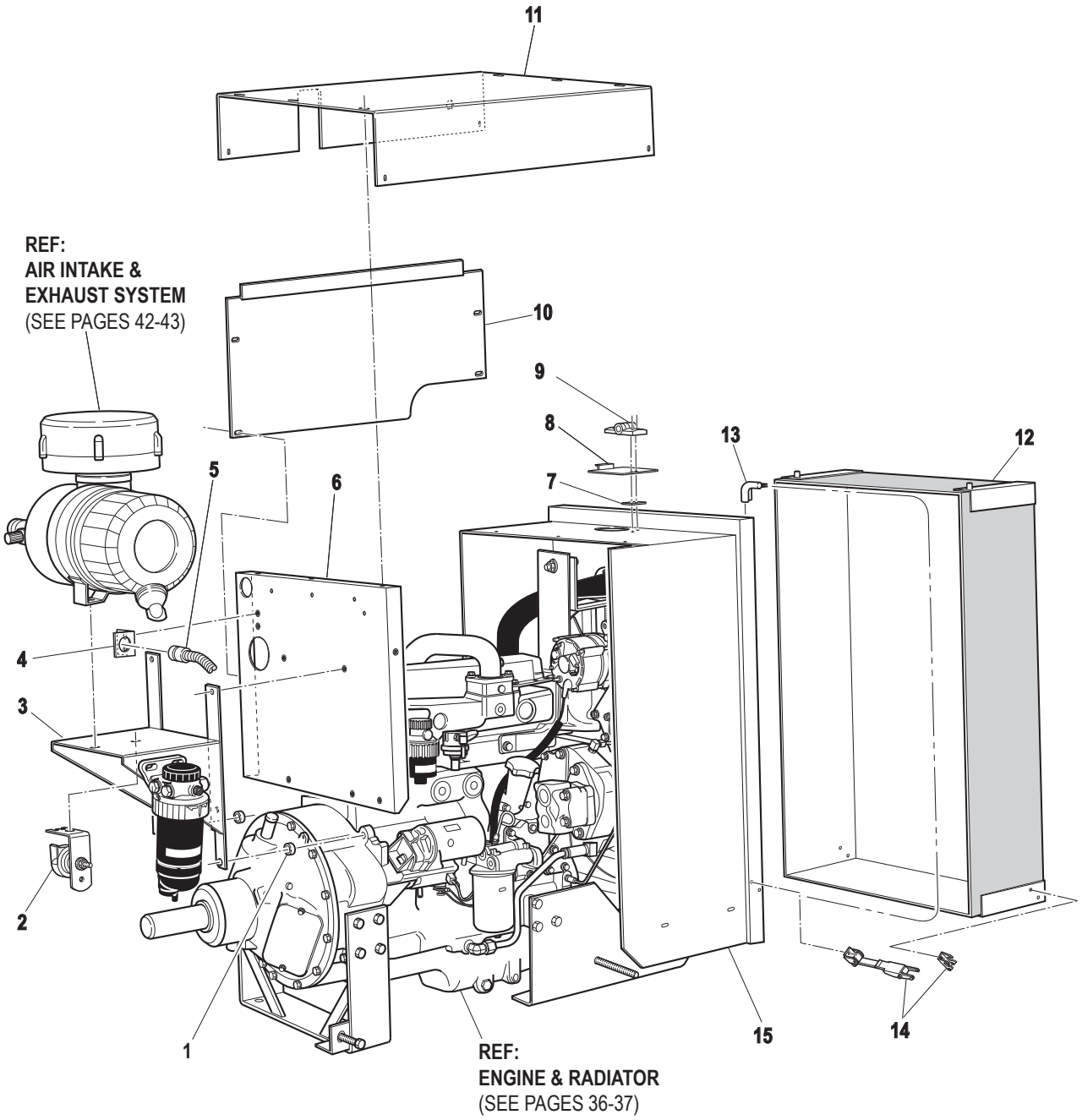


WHEN ORDERING PARTS, BE SURE TO STATE SERIAL NUMBER OF MACHINE

BEATER CHAIN ASSEMBLIES

Ref. No.	Part Number	Description	No. Req'd
1	021361	Beater Chain Assembly - 3-Pitch	1
2	020111	Chain - 3-Pitch	4
3	022487	Nut	4
4	020119	Chain Pin	4
5	021363	Bushing	1
6	021555	Beater Hub Weldment	1
7	021822	Beater Chain Assembly - 4-Pitch	1
8	020110	Chain - 4-Pitch	1
9	022487	Nut	2
10	020119	Chain Pin	2
11	021363	Bushing	1
12	021824	Beater Hub Weldment	1
13	023228	Beater Chain Assembly - 5-Pitch	1
14	023363	Chain - 5-Pitch	2
15	022487	Nut	2
16	020119	Chain Pin	2
17	021363	Bushing	1
18	021824	Beater Hub Weldment	1

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



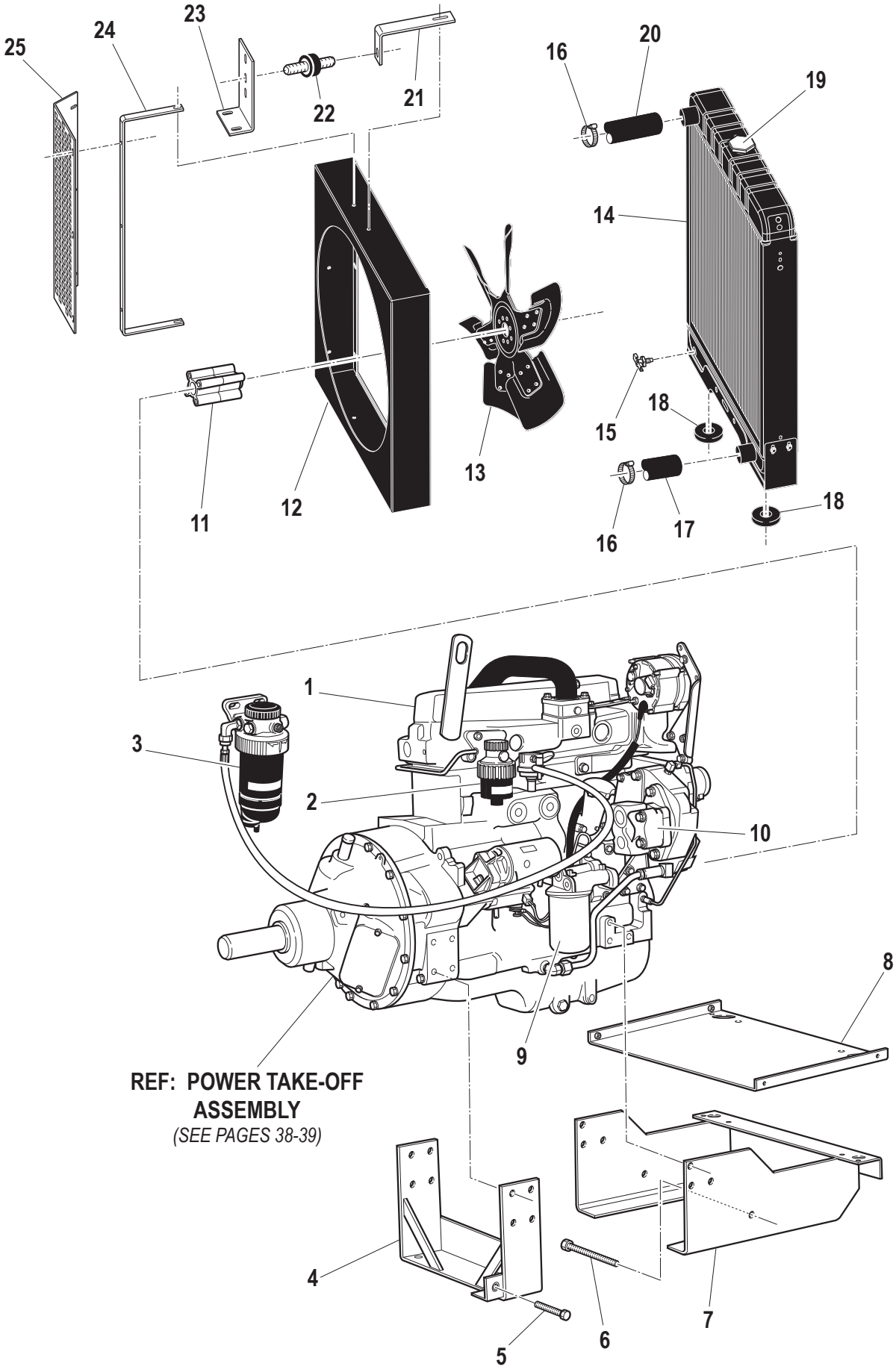
WHEN ORDERING PARTS, BE SURE TO STATE SERIAL NUMBER OF MACHINE

POWER SYSTEM

Ref. No.	Part Number	Description	No. Req'd
1	052398-08	Rear Engine Spacer	2
2	006499*	Horn	1
3	023847	Air Cleaner Bracket	1
4	F260-0025	Engine Plug Bracket	1
5	JDR517320	Engine Wiring Harness	1
6	F260-0023	Rear Engine Panel	1
7	F260-0006-03	Hinge Spacer	1
8	F260-0006-02	Radiator Cap Cover	1
9	055669	Position Locking Hinge	1
10	F260-0022	Engine Side Panel	1
11	F260-0021	Engine Top Cover	1
12	023666	Radiator Chaff Screen	1
13	190087	Chaff Screen Seal	124"
14	023667	Chaff Screen Latch	2
15	023844	Radiator Shroud Weldment	1

* ***NOTE:*** *See Pages 44-45 for Wiring Diagram.*

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



REF: POWER TAKE-OFF ASSEMBLY
(SEE PAGES 38-39)

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

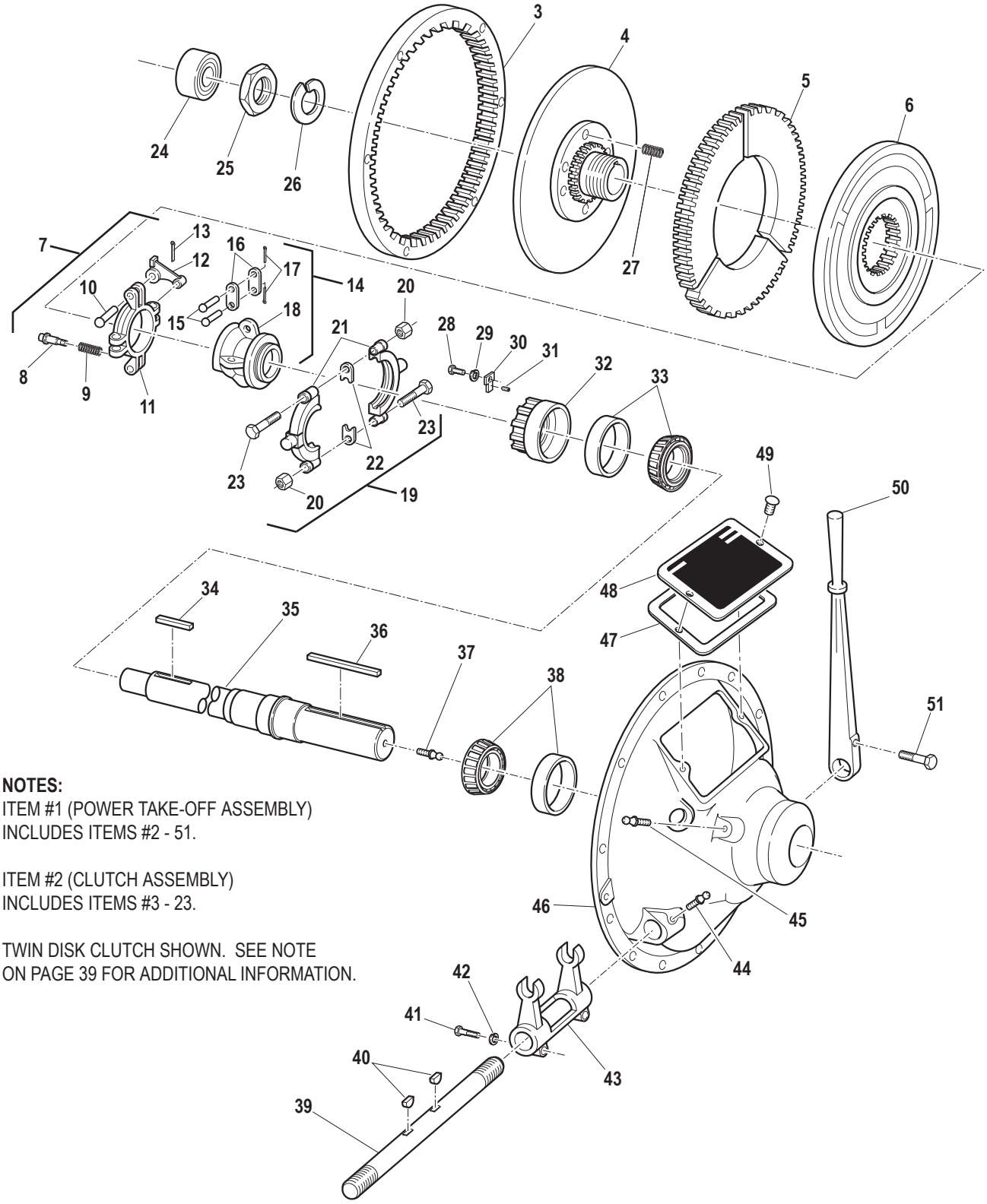
ENGINE AND RADIATOR

Ref. No.	Part Number	Description	No. Req'd
1	023864	4045T Tier 2 Engine Assembly	1
2	JDRE509031	Fuel Filter	1
3	JDRE517181	Water Separator	1
4	023539	Rear Engine Foot	1
5	023166	Rear Jacking Bolt	1
6	023167	Front Jacking Bolt	1
7	023846	Front Engine Mount	1
8	F260-0009	Air Deflector	1
9	JDRE504836	Oil Filter	1
10	023685	Hydraulic Pump*	1
11	JDR128443	Fan Spacer	1
12	F330-0093	Fan Shroud	1
13	JDAR98090	Fan	1
14	075562	Radiator Assembly	1
15	012832	Rubber Mount	2
16	022450	Hose Clamp	4
17	023854	Lower Radiator Hose	1
18	022452	Drain Cock	1
19	023807	Radiator Cap	1
20	JDR128455	Upper Radiator Hose	1
21	023792-08	Radiator Support Strap	1
22	023438	Rubber Mount	1
23	023812-02	Rear Radiator Mount	1
24	F330-0096	Fan Guard Mounting Strap	1
25	F816-0008-01	Fan Guard	1

NOTES:

** See Pages 40-41 for Hydraulic System Layout.*

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



NOTES:
ITEM #1 (POWER TAKE-OFF ASSEMBLY)
INCLUDES ITEMS #2 - 51.

ITEM #2 (CLUTCH ASSEMBLY)
INCLUDES ITEMS #3 - 23.

TWIN DISK CLUTCH SHOWN. SEE NOTE
ON PAGE 39 FOR ADDITIONAL INFORMATION.

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

POWER TAKE-OFF ASSEMBLY

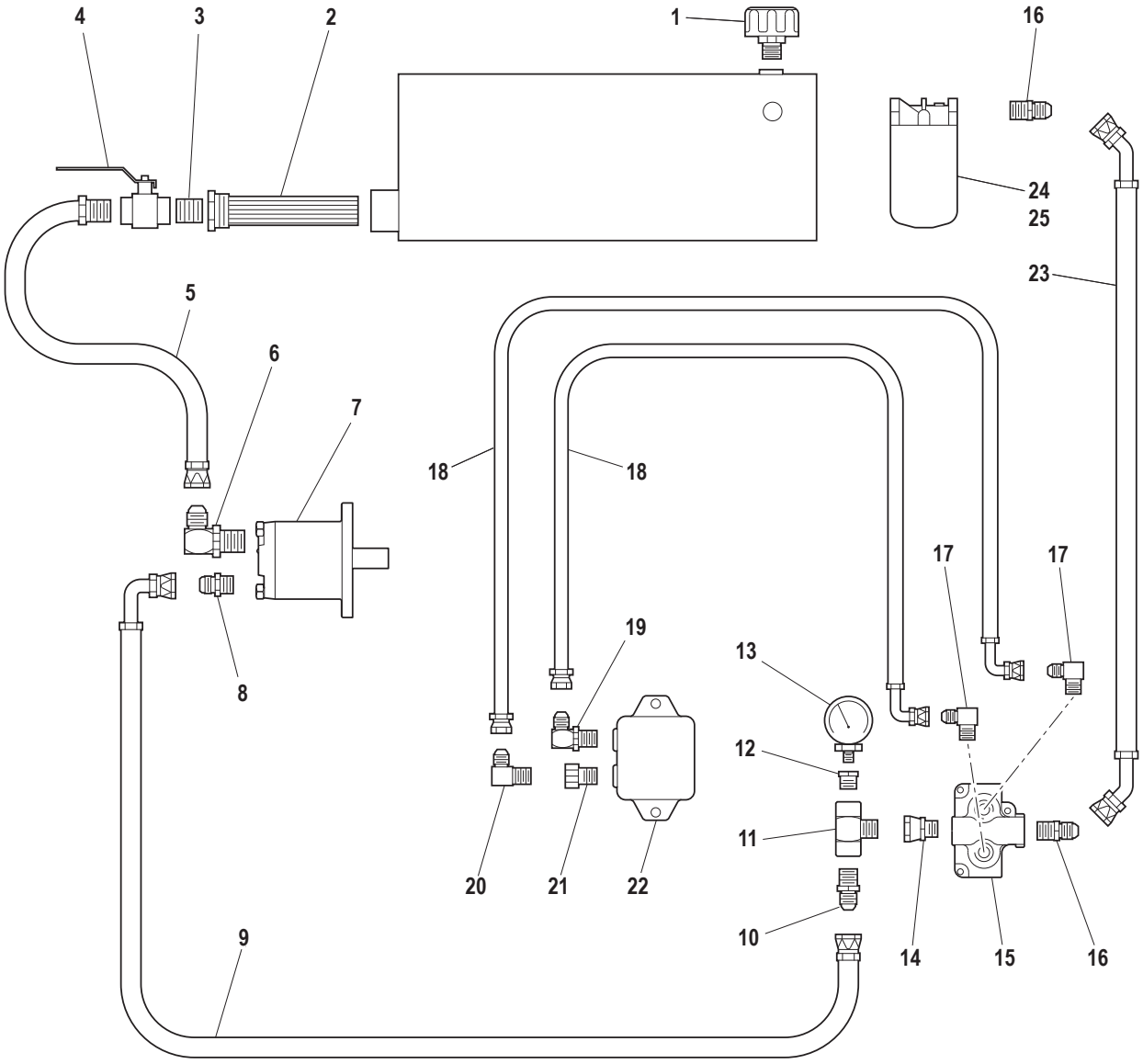
Ref. No.	Part Number	Description	No. Req'd
1	012069	Power Take-Off Assembly - SAE #4 w/10" Clutch	1
2	100345	10" Twin Disc Clutch Assembly	1
3		Driving Ring	1
4		Hub and Back Plate	1
5		Driving Plate	1
6		Floating Plate	1
7		Yoke Adjusting Assembly	1
8		Adjusting Lock Pin	1
9		Adjusting Lock Pin Spring	1
10		Finger Pin	4
11		Adjusting Yoke	1
12		Finger Lever	4
13		Cotter Pin	4
14		Sliding Sleeve Assembly	1
15		Lever Link Pin	8
16		Lever Link	8
17		Cotter Pin	8
18		Sliding Sleeve	1
19		Collar Assembly	1
20		Nut	2
21		Collar	1
22		Shim	2
23		Hex Hd. Cap Screw	2
24		Pilot Bearing	1
25		Hub Nut	1
26		Lock Washer	1
27		Release Spring	6
28		Hex Hd. Cap Screw	1
29		Lock Washer	1
30		Bearing Retainer Lock	1
31		Headless Set Screw	1
32		Bearing Retainer	1
33		Roller Bearing	1
34		Hub Key	1
35		Shaft	1
36		Key	1
37		Fitting	1
38		Roller Bearing	1
39		Operating Shaft	1
40		Woodruff Key	2
41		Hex Hd Cap Screw	2
42		Lock Washer	2
43		Throwout Yoke	1
44		Fitting	2
45		Fitting	1
46		No. 1 SAE Housing	1
47		Flat Gasket	1
48		Instruction Plate	1
49		Round Hd. Cap Screw	2
50	023811-01	Modified Clutch Handle	1
51		Hex Hd. Cap Screw	1

IMPORTANT

FINN B260 Straw Blowers have been provided with NACD & Twin Disk Clutch Assemblies. Refer to FINN Technical Bulletin #2005-0010 to determine which clutch you have. Then refer to the following documents for the appropriate replacement parts information:

- NACD Power Take-Off Service Manual (For 6-1/2", 7-1/2", 8", 10" & 11-1/2" "HE" Clutches).
- Twin Disc Power Take-Off Service Manual (For CE-106-SP, CE-107-SP, C-106-SP & C-107-SP Models).

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

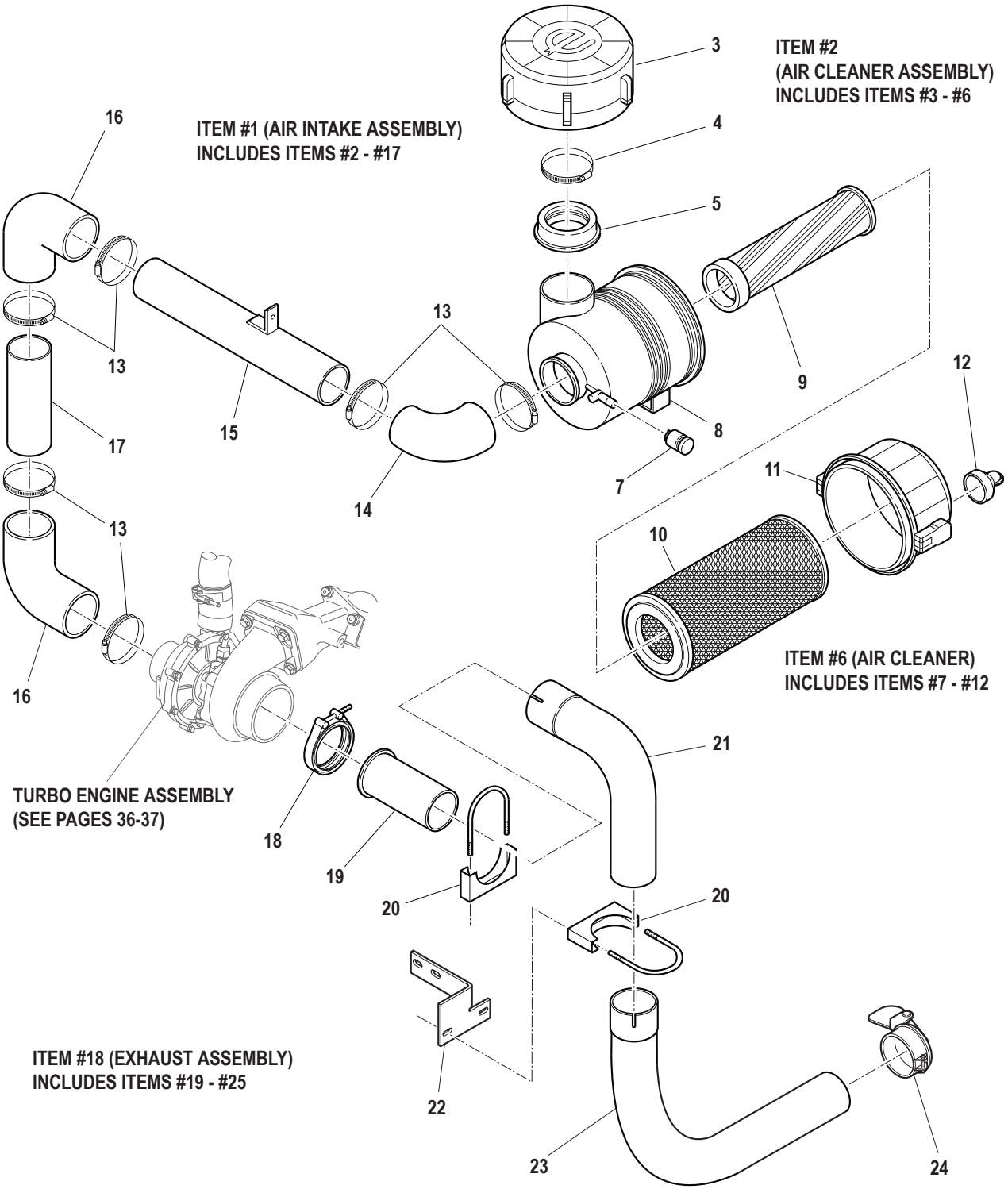


WHEN ORDERING PARTS, BE SURE TO STATE SERIAL NUMBER OF MACHINE

HYDRAULIC SYSTEM

Ref. No.	Part Number	Description	No. Req'd
1	004900	Filler Breather Cap	1
2	011466	Suction Strainer	1
3	160305	Close Nipple	1
4	021559	Ball Valve	1
5	023809	Suction Hose	1
6	023620	90 Degreę Adapter Elbow	1
7	023685	Hydraulic Pump	1
8	055359	Straight Adapter	1
9	023810	Pressure Hose	1
10	023617	Straight Adapter	1
11	011625	Female Run Tee	1
12	011936	Reducer Bushing	1
13	012044	Pressure Gauge	1
14	000668	Straight Swivel Adapter	1
15	008293	Hydraulic Valve	1
16	023616	Straight Adapter	2
17	023652	90 Degreę Adapter Elbow	2
18	023612	Work Hose	2
19	023621	90 Degreę Adapter Elbow	1
20	023618	90 Degreę Adapter Elbow	1
21	070408	Adapter Bushing	1
22	023754	Hydraulic Motor	1
23	023614	Return Hose	1
24	021617	Return Line Filter	1
25	021618	Filter Element	1

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

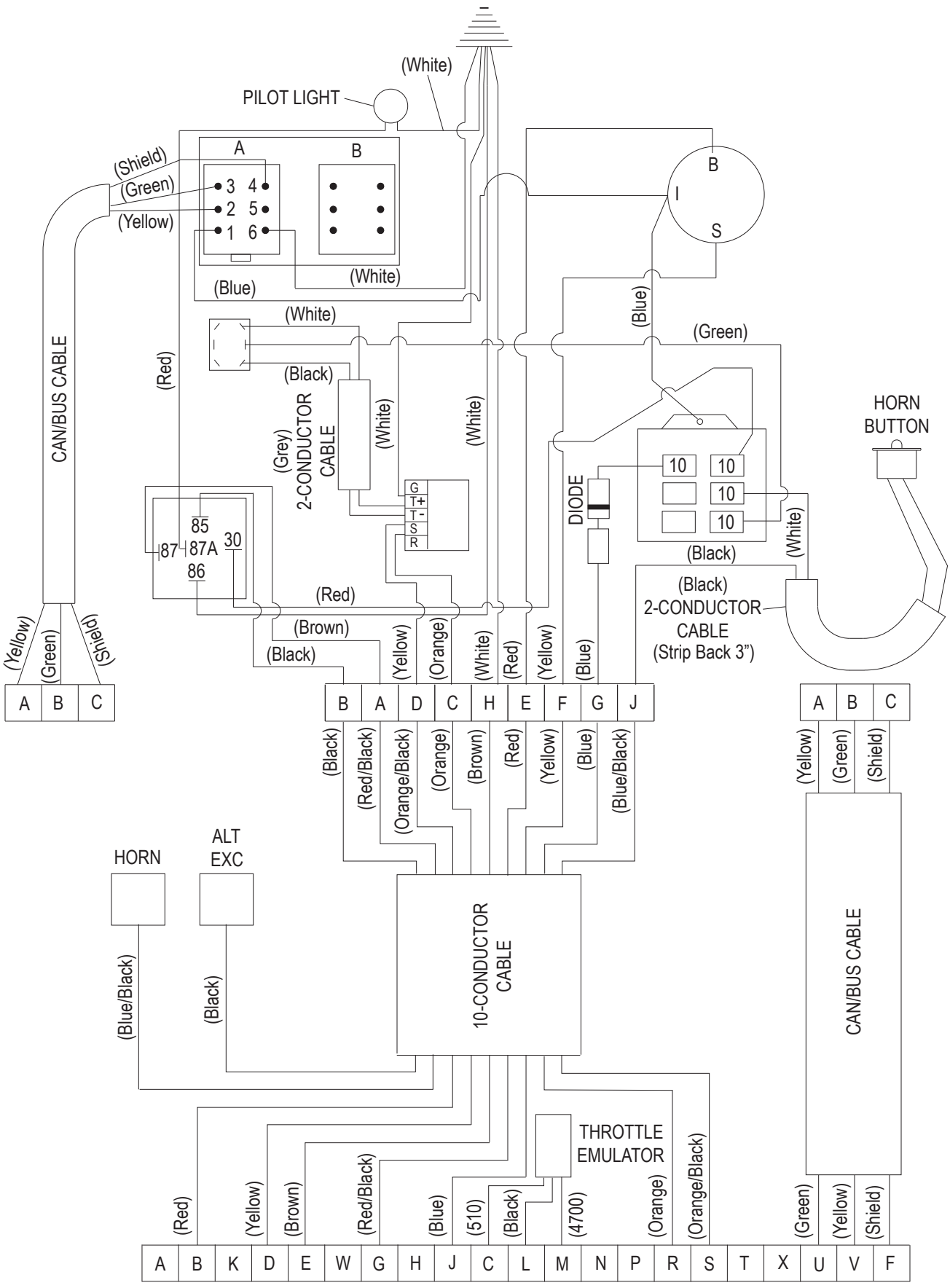


WHEN ORDERING PARTS, BE SURE TO STATE SERIAL NUMBER OF MACHINE

AIR INTAKE & EXHAUST SYSTEM

Ref. No.	Part Number	Description	No. Req'd
1	023848	Air Intake Assembly	1
2	012646	Air Cleaner & Pre-Cleaner Assembly	1
3	012608	Pre-Cleaner	1
4	022657	4" Clamp	1
5	012609	Pre-Cleaner Adapter	1
6	012621	Air Cleaner	1
7	012621B	Dust Load Indicator Gauge	1
8	012621C	Spring-Loaded Mount	1
9	012623	Safety Filter Element (3.75-E2)	1
10	012622	Main Filter Element (3.75-E1)	1
11	012621D	Filter Cap	1
12	012621A	Flapper Valve	1
13	022657	4" Clamp	6
14	060325	Reducer Rubber Elbow	1
15	023796-08	Long Connecting Pipe	1
16	011852	Rubber Elbow	2
17	023795-02	Short Connecting Pipe	1
18	023577	Exhaust Assembly	1
19	023800	V-Band Clamp	1
20	023799	Exhaust Flare	1
21	023801	Muffler Clamp	2
22	023798	Exhaust Elbow	1
23	F260-0019	Exhaust Support Bracket	1
24	023797	Exhaust Elbow	1
25	045014	Rain Cap	1

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



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

CONTROL BOX WIRING DIAGRAM

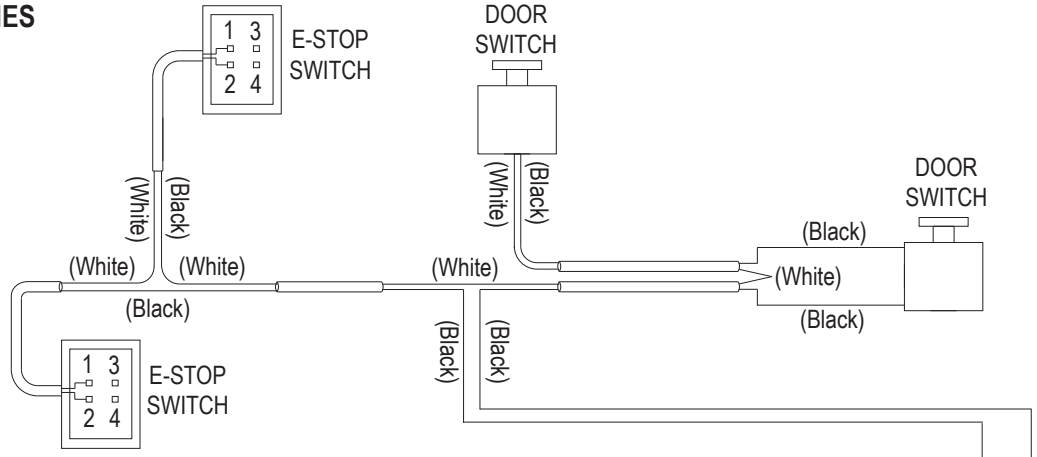
Part Number	Description	No. Req'd
023868	Tier II Control Box Cable Assembly	1
FW71555	Toggle Switch	1
080526	Switch Boot	1
052076	Key Switch	1
023076	Key For Ignition Switch	1
023869	Modified Control Box	1
012739	PowerView	1
006245	Pilot Light	1
022425	Diode	1
FW71749-02	30 Amp Relay	1
012727	Throttle Control Card	1
052118	Circuit Fuse Panel	1
045056	10 Amp Blade Mount Circuit Breaker	4
006499	Horn*	1
023720	Horn Button	1
JDRE503681	Throttle Emulator	

NOTES:

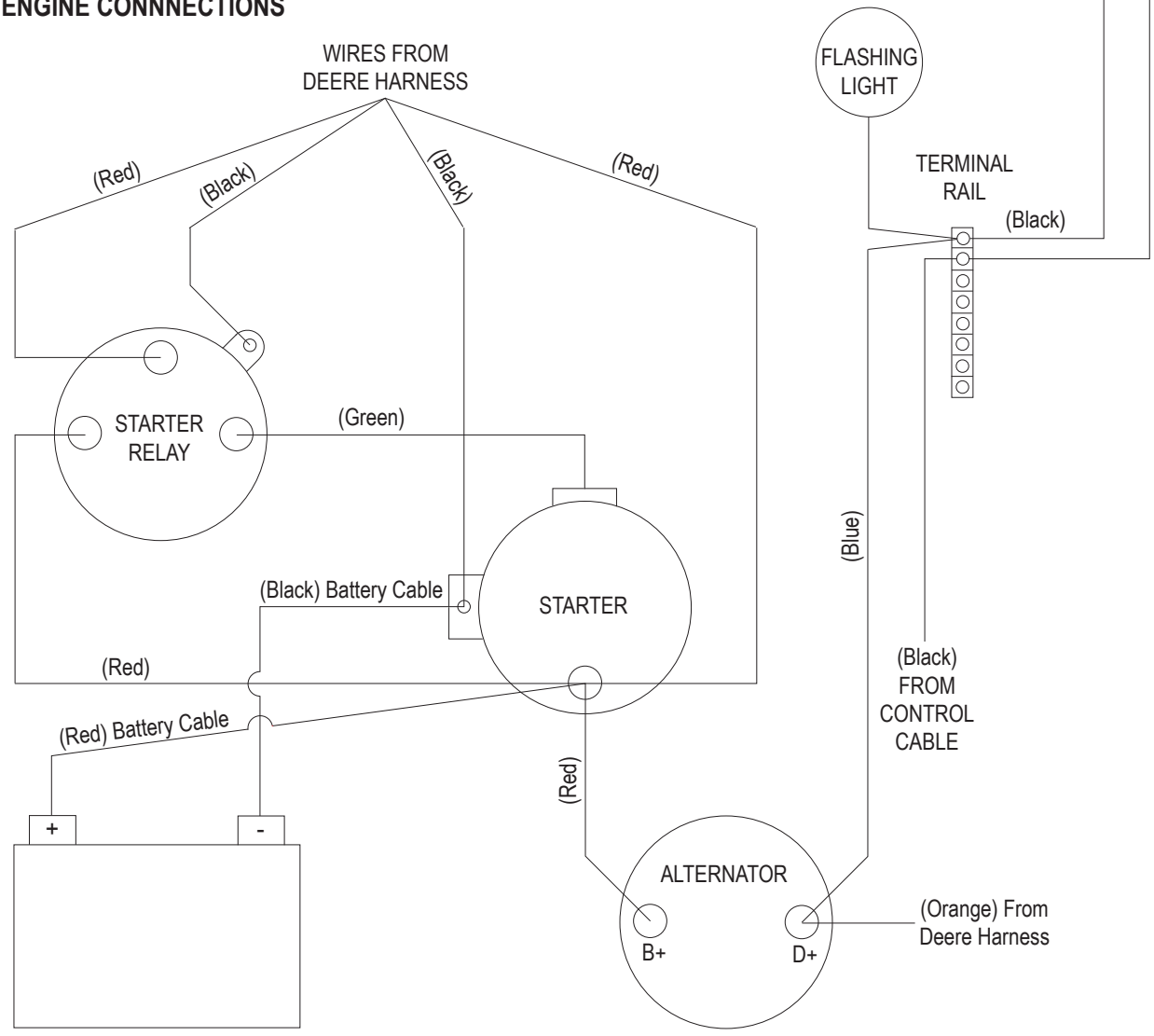
* *See Pages 34-35 For Location.*

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

SAFETY SWITCHES



ENGINE CONNNECTIONS



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

ENGINE WIRING DIAGRAM

Part Number	Description	No. Req'd
023862	E-Stop and Enclosure*	2
052436	Door Switch**	1
011851	Battery***	1
000241	Ground Strap	1
080096	Battery Cable***	1
007336	Amber Flashing Light****	1
021198	Flasher	1
075522	1-1/4" Dia Loop Clamp	1
022891	Starter Relay	1
031401	Stud Type Junction Block - 8 Std	1

NOTES:

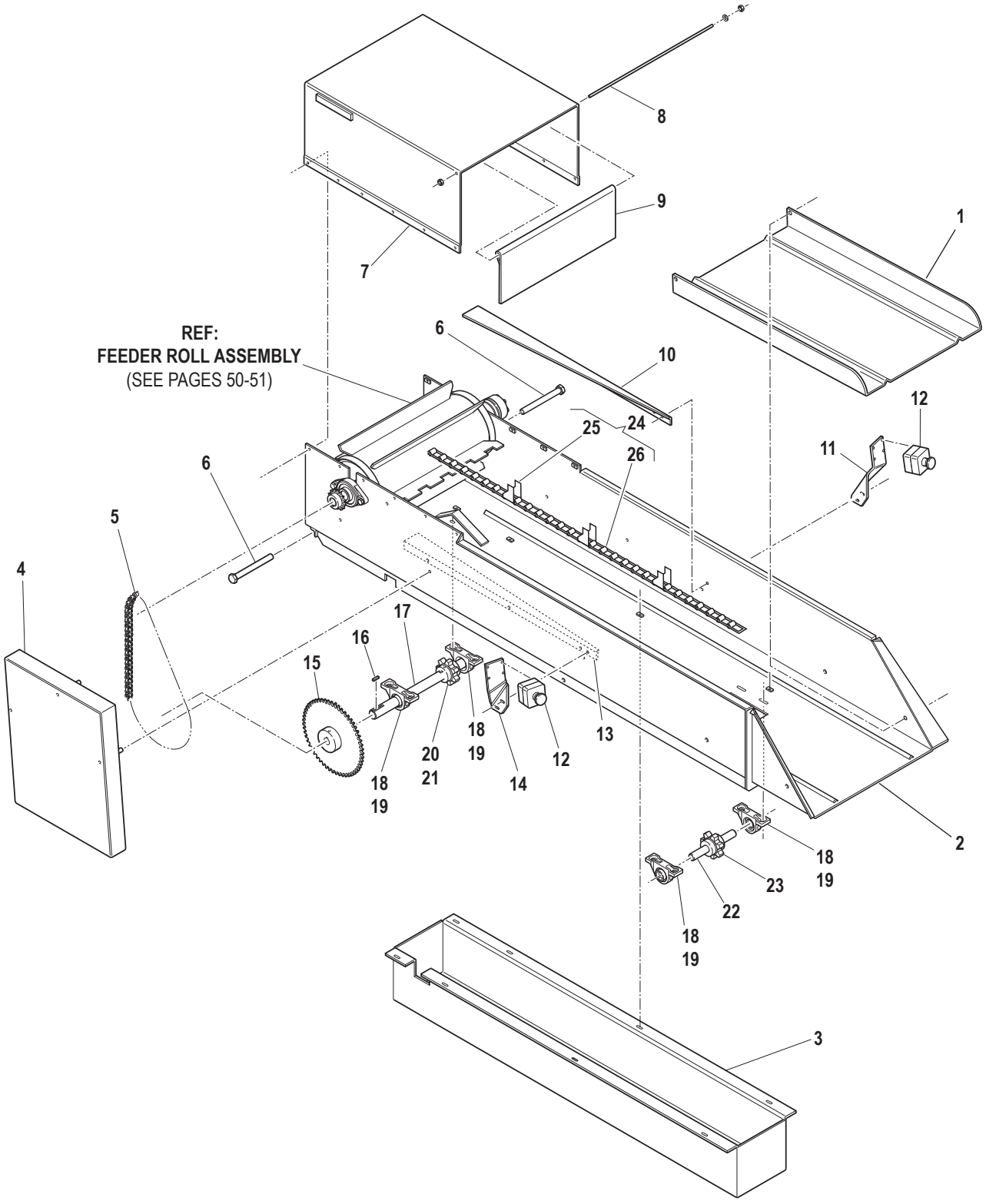
* *See Pages 48-49 for Location*

** *See Pages 30-31 and 52-53 for Location*

*** *See Pages 26-27 for Location*

**** *See Pages 52-53 for Location*

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



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

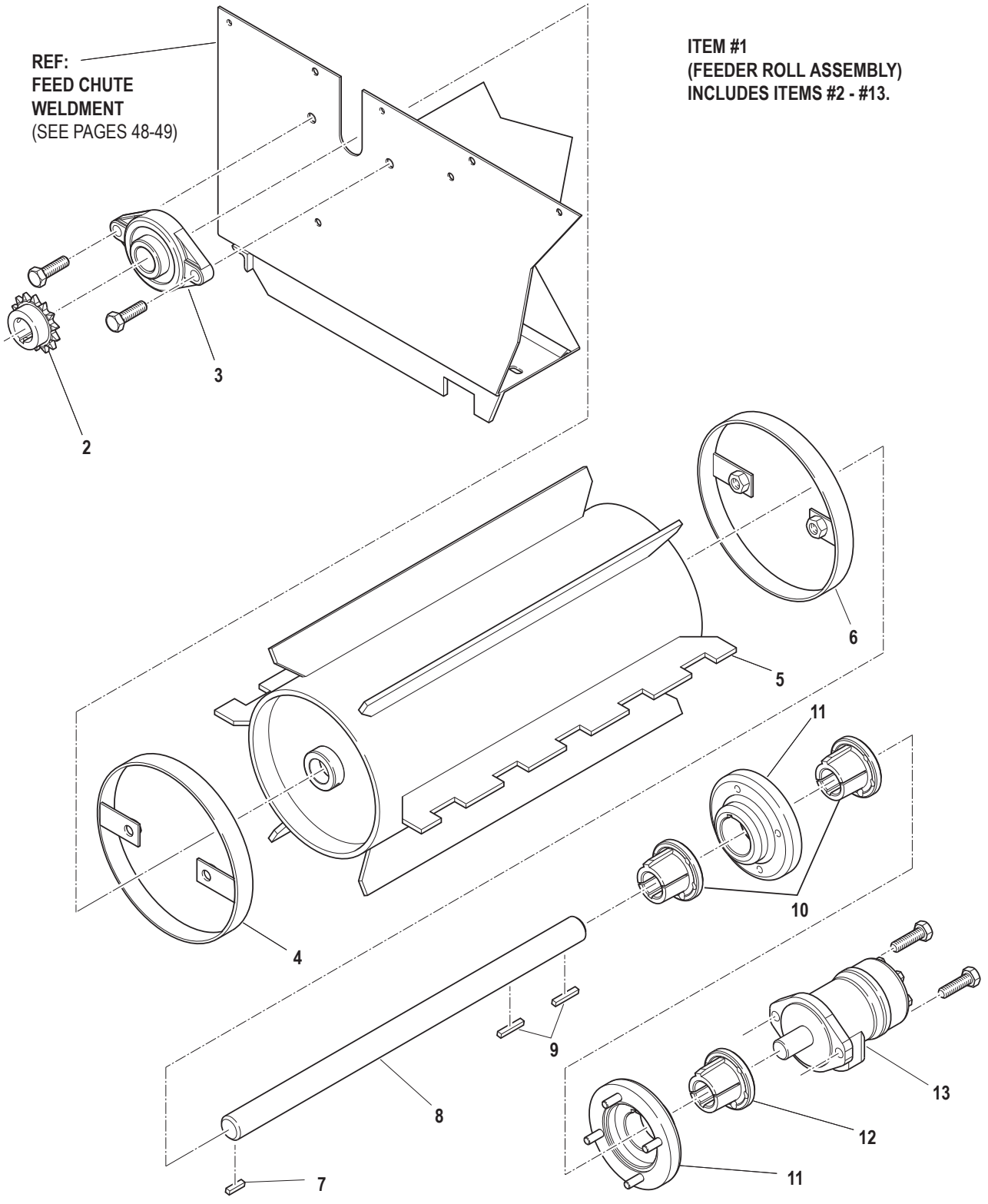
FEED CHUTE ASSEMBLY

Ref. No.	Part Number	Description	No. Req'd
1	023542	Feed Chute Extension	1
2	023570	Feed Chute Weldment	1
3	023590	Feed Chain Guard	1
4	023361	Drive Chain Guard	1
5	023153	Drive Chain	1
6	X12112	Hinge Bolt	2
7	023171-01	Feed Chute Cover	1
8	023348-02	Air Baffle Door Rod	1
9	F260-0016	Air Baffle Door	1
10	023158-02	Bale Holder - Right Hand Side	1
11	F260-0020-01	Right Hand E-Stop Mount	1
12	023862	E-Stop and Enclosure*	2
13	023158-01	Bale Holder - Left Hand Side	1
14	F260-0020-02	Left Hand E-Stop Mount	1
15	023134	Drive Sprocket	1
16	023249	Key	1
17	023198	Drive Shaft	1
18	020386	Feed Chain Shaft Bearing	4
19	021823	Grease Fitting	1 per
20	021517-02	Sprocket With Key	1
21	023250	Key	1
22	023197	Idler Shaft	1
23	021517-01	Sprocket - Plain Without key	1
24	021516	Feed Chain	1
25	020687	Pick Chain Link	A/R
26	020686	Plain Chain Link	A/R

NOTE:

** See Pages 46-47 for Wiring Diagram.*

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



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

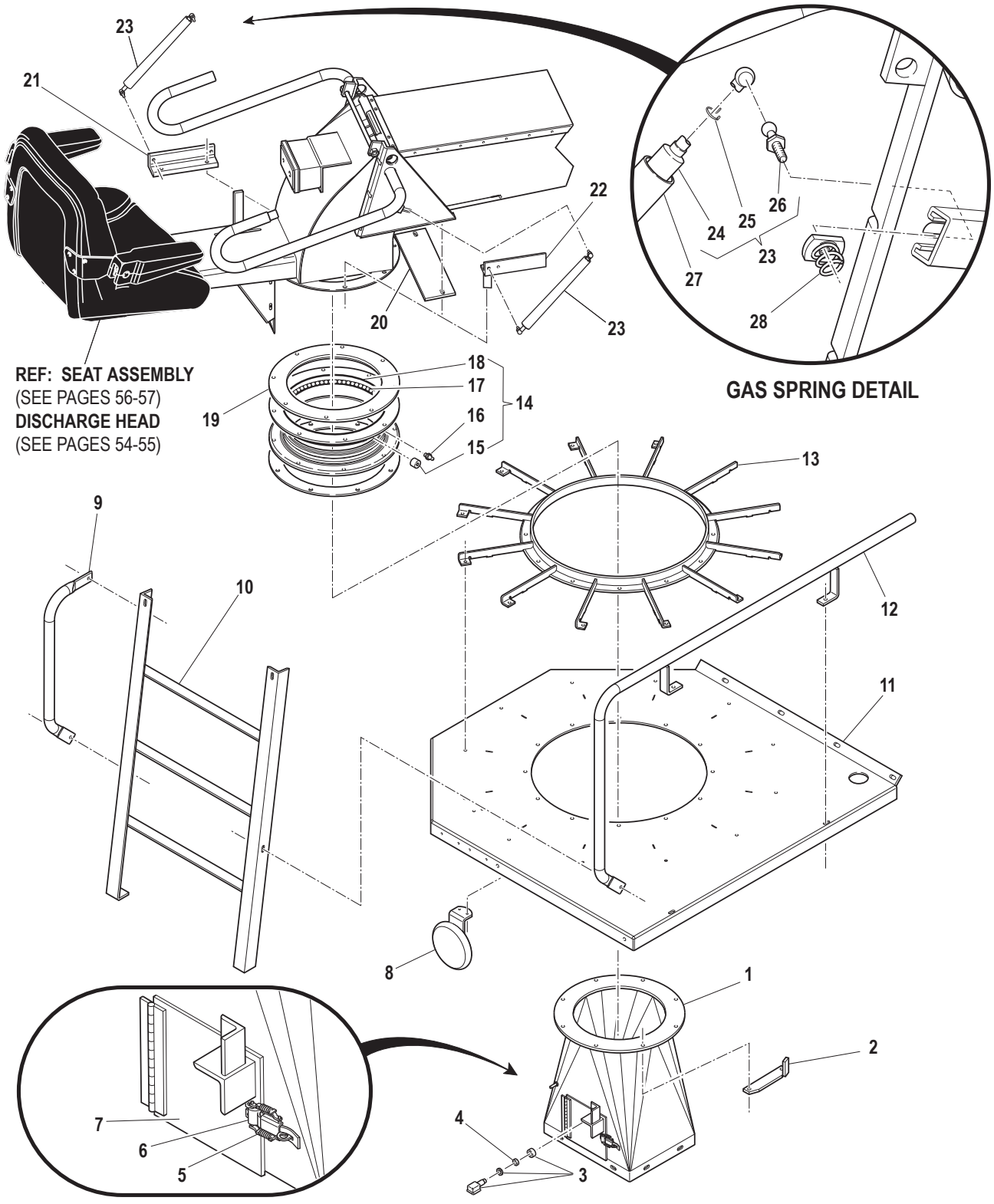
FEEDER ROLL ASSEMBLY

Ref. No.	Part Number	Description	No. Req'd
1	023189	Feeder Roll Assembly	1
2	023596	Drive Sprocket	1
3	020586	Flange Bearing	1
4	023125	Feeder Roll End Cap - Bearing Side	1
5	023123	Feeder Roll Weldment	1
6	023152	Feeder Roll End Cap - Motor Side	1
7	023249	Key	1
8	023190	Feeder Roll Drive Shaft	1
9	023250	Key	2
10	021440	Bushing	2
11	023156	Rigid Coupling	1
12	000393B	Bushing	1
13	023754	Hydraulic Motor*	1

NOTE:

** See Pages 40-41 for Hydraulic System Diagram.*

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



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

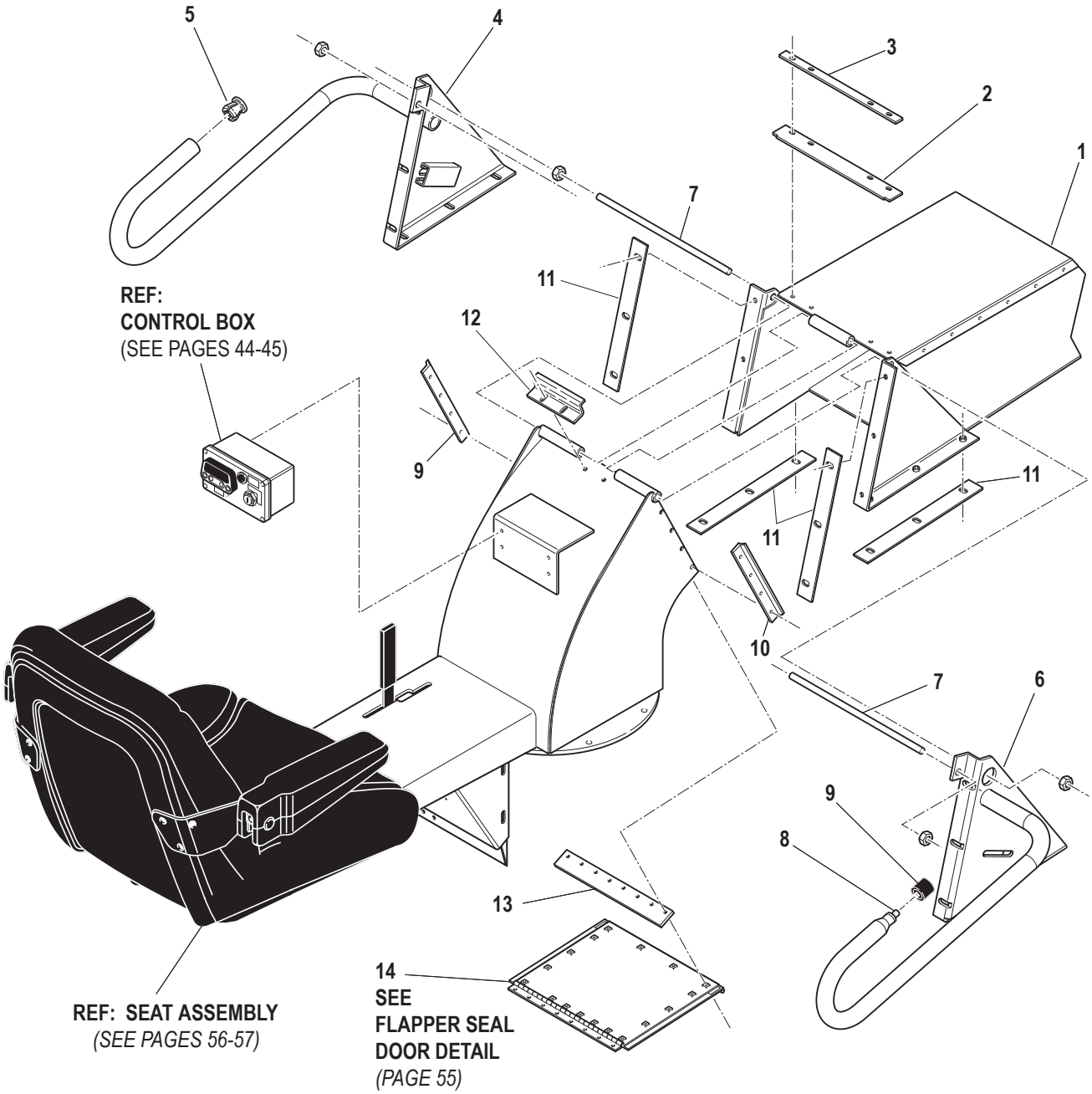
OPERATOR PLATFORM

Ref. No.	Part Number	Description	No. Req'd
1	023626	Lower Transition	1
2	023633-02	Rotary Stop	1
3	052436	Door Switch*	1
4	052707	Hex Nut	1
5	023689	Clamp	1
6	023690	Strike	1
7	023688	Access Door	1
8	007336	Amber Flashing Light*	1
9	023638-03	Hand Rail	1
10	023551	Ladder	1
11	023549	Platform	1
12	023638	Guard Rail	1
13	023836	Kick Strap Assembly	1
14	023374	Bearing Assembly	1
15	023473	Allen Wrench Pipe Plug	1
16	021823	Grease Fitting	2
17	023350	Bearing Balls	81
18	023351	O-Ring	1
19	023368	Gasket	2
20	023587-01	Elbow Stop Plate	1
21	023633-03	Gas Spring Lower Mount - Left Hand Side	1
22	023633-01	Gas Spring Lower Mount - Right Hand Side	1
23	023657	Gas Spring Assembly	2
24	023609	Gas Spring	1 per
25	023611	Safety Clip	2 per
26	023610	Ball Stud	2 per
27	023160	Gas Spring Cover	2
28	080086	Spring Nut	2

NOTE:

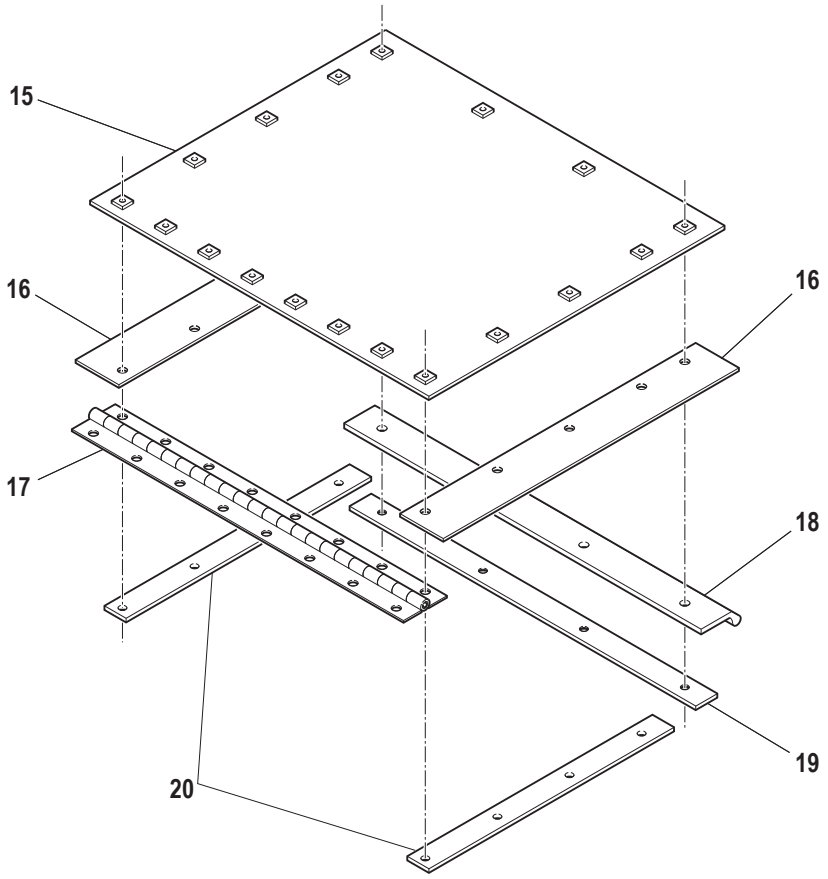
** See Pages 46-47 for Wiring Diagram*

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



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

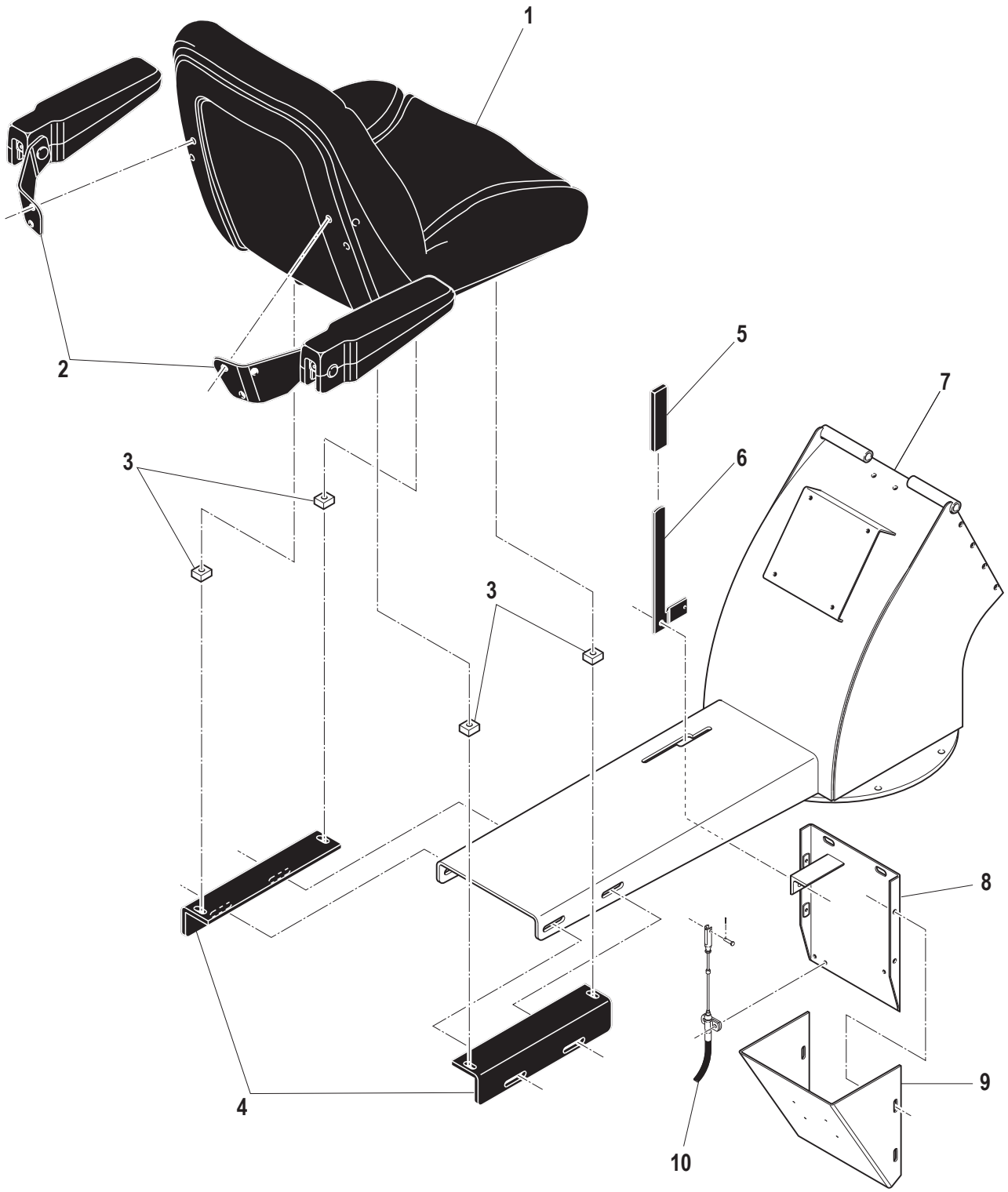
FLAPPER SEAL DOOR DETAIL
ITEM #14
(FLAPPER DOOR
SEAL ASSEMBLY)
INCLUDES ITEMS #15 - 20.



DISCHARGE HEAD

Ref. No.	Part Number	Description	No. Req'd
1	023629	Discharge Tube	1
2	023726-01	Top Seal	1
3	023726-04	Top Seal Retainer	1
4	023588-01	Handle Weldment - Left Hand Side	1
5	004996	Plastic Pipe Plug	1
6	023588-02	Handle Weldment - Right Hand Side	1
7	023586-05	Hinge Pin	2
8	023720	Horn Button	1
9	023721	Horn Button Cover	1
10	023726-07	Elbow Side Seal	2
11	023583-04	Elbow Seal	4
12	023560-05	"Z" Piece Seal Bracket	1
13	023726-03	Hinge Seal	1
14	023729	Flapper Door Seal Assembly *(See Detail above)*	1
15	023560-03	Seal Plate	1
16	023726-02	Flap Side Seal	2
17	023583-03	Hinge Seal	1
18	023726-08	Flap End Seal	1
19	023726-06	Flap End Seal Retainer	1
20	023726-05	Flap Side Seal Retainer	2

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



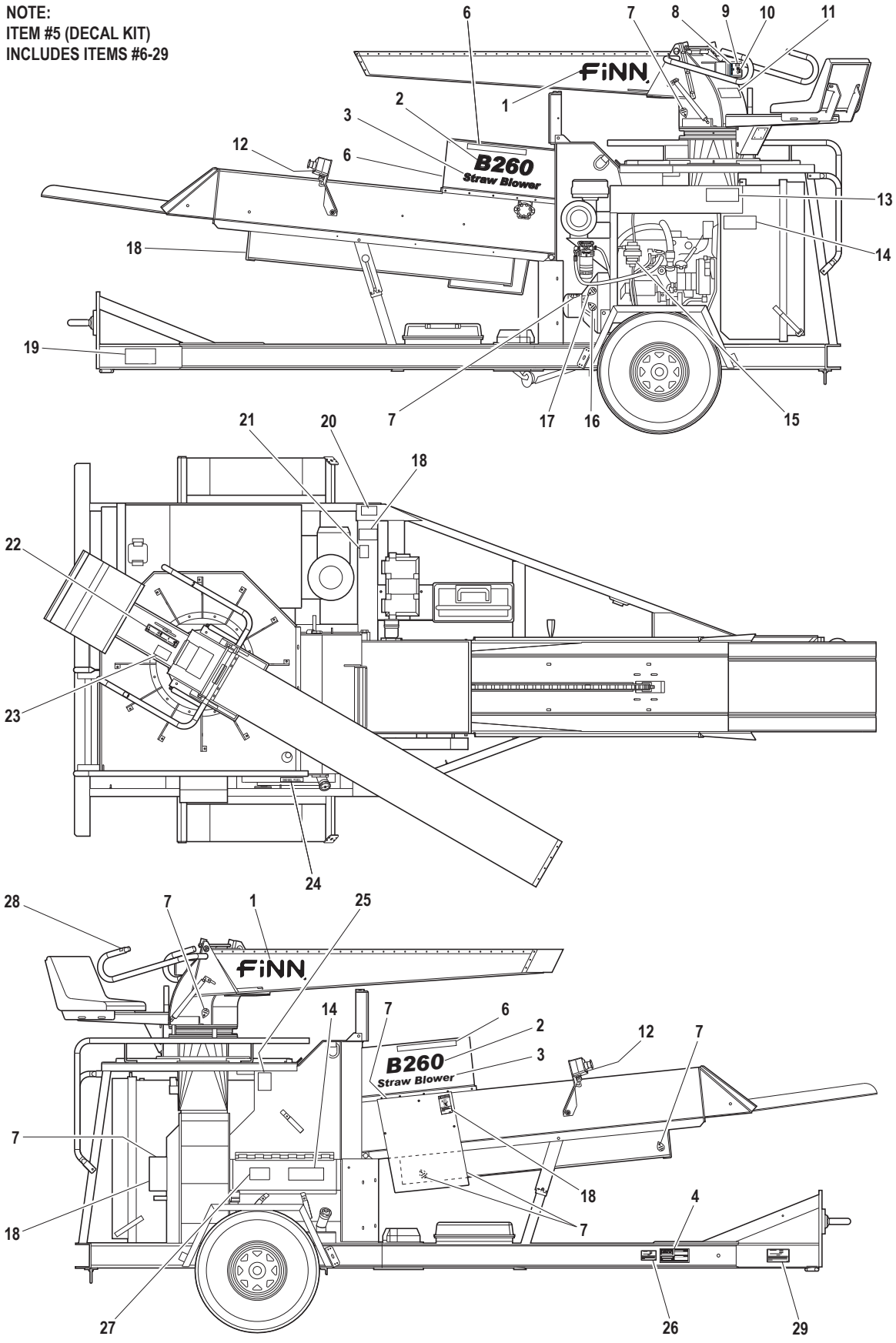
WHEN ORDERING PARTS, BE SURE TO STATE SERIAL NUMBER OF MACHINE

SEAT ASSEMBLY

Ref. No.	Part Number	Description	No. Req'd
1	023884	Seat Assembly	1
2	023885	Armrest Kit	1
3	035024-09	Spacer	4
4	F260-0026	Seat Mounting Bracket	2
5	022202	Black Handle Grip	1
6	F260-0015	Power Feed Handle	1
7	023876	Discharge Elbow Weldment	1
8	023639	99" Lg. Push-Pull Control Cable	1
9	023555-02	Control Cable Plate Weldment	1
10	023554-01	Control Cable Guard	1

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

NOTE:
ITEM #5 (DECAL KIT)
INCLUDES ITEMS #6-29



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

DECAL LOCATIONS

Ref. No.	Part Number	Description	No. Req'd
1	023174	Decal "FINN"	2
2	023856-01	Decal "B260"	2
3	023855	Decal "Straw Blower"	2
4	011690	FINN Nameplate	1
5	023881	Decal Kit	1
6	022690	Decal "WARNING! Flying Objects!"	3
7	007231	Decal "Service Weekly"	8
8	023877	Decal "Throttle"	1
9	023880	Decal "Safety Switches	1
10	KL2411303	Decal "Ignition"	1
11	020970	Decal "WARNING! Fall Hazard!"	1
12	023878	Decal "Emergency Stop"	2
13	031462	Decal "WARNING! Burn Hazard!"	1
14	031463	Decal "WARNING! Sever Hazard!"	2
15	007607	Decal "Drain Water Daily"	2
16	007230	Decal "Service Daily"	1
17	007351	Decal "Hand Gun"	1
18	012179	Decal "WARNING! Do Not Operate . . ."	4
19	031461	Decal "WARNING! Runaway Vehicle Hazard!"	1
20	012278	Decal "WARNING! Burn Hazard!"	1
21	031297	Decal "CAUTION - New Clutch Information"	1
22	023247	Decal "Power Feed"	1
23	023857	Decal "WARNING! Wear Proper Eye and Ear . . ."	1
24	023341	Decal "Diesel Fuel"	1
25	012687	Decal "CAUTION - Hydraulic System Instructions . . ."	1
26	023286	Decal "Patent Numbers"	1
27	023389	Decal "Operating Instructions . . ."	1
28	006870-HORN	Decal "Horn"	1
29	023863	Decal "B260 GVWR"	1

NOTE; *Individual Decals (Items #6 through 28) are listed merely as a reference for their appropriate locations and not available for replacement. Decals (items #6 through 28) are ONLY available by ordering the Decal Kit (P/N 023881, item #5).*

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

RECOMMENDED SPARE PARTS

Part Number	Description	No. Req'd
012622	Main Filter Element (3.75-E2)	1
012623	Safety Filter Element (3.75-E2)	1
JDRE509031	Primary Fuel Filter	1
JDRE517181	Water Separator	1
JDRE504836	Oil Filter	1
JDR123441	Fan Belt	1
020111	Beater Chain - 3 Pitch	4
020110	Beater Chain - 4 Pitch	2
023363	Beater Chain - 5 Pitch	2
020119	Chain Pin	8
022487	Nut	8
020686	Feed Chain Links	3
020687	Feed Chain Links With Attachment	3

TOOL KIT

Part Number	Description	No. Req'd
021375	Grease Gun	1
021741	Grease Gun Hose	1
020365	Grease Cartridge	1
012681A	Touch-Up Paint (FINN Beige - 4.5 oz. Aerosol)	1
012681T	Touch-Up Paint (FINN Beige - 0.5 oz. Wet)	1
020057	Twine Cutter (Size #13)	1
020063	Twine Cutter (Size #11)	1
	Engine Operation and Maintenance Manual	1
LBB260-SEA	FINN B260 Straw Blower Parts and Operator's Manual	1

REPAIR KITS

Part Number	Description	No. Req'd
023120	Seal Kit for #008293 Hydraulic Valve	1
023730	Seal Kit for #023710 Hydraulic Motor	1
023731	Seal Kit for #023685 Hydraulic Pump	1

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

NOTES