



**OPERATOR'S MANUAL
SET-UP INSTRUCTIONS
&
PARTS LIST**

MARKET GRAVITY BOXES



MARKET FARM EQUIPMENT LIMITED, R.R.#1 DASHWOOD, ONTARIO, CANADA

TEL# 519-238-2301 FAX# 519-238-6044 E-MAIL: mfeltd@execulink.com

www.marketfarmequipment.com

"SERVING THE FARM INDUSTRY SINCE 1962"

WARRANTY PROCEDURE

MARKET FARM EQUIPMENT WARRANTS THEIR MANUFACTURED PRODUCTS TO BE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF PURCHASE TO THE FIRST END USER AND IS SUBJECT TO THE FOLLOWING CONDITIONS.

- 1. Damage caused by improper use, negligence, or operation beyond rated capacity, improper set-up, adjustment, or any unauthorized modifications made by the dealer or customer, shall void this warranty.**
- 2. Notification of damage or warranty claims must be submitted to Market Farm Equipment (M.F.E.) within seven (7) days of the date of failure.**
- 3. All defective parts must be made available by the dealer, for inspection by M.F.E. if required, and returned at the dealer's expense.**
- 4. All warranty claims must be approved by M.F.E.**
- 5. The labour and freight required to replace defective parts is not reimbursable.**
- 6. Exchange, credit or warranty status will be based on the results of the inspection of damaged items by the manufacturer.**
- 7. Credit will be issued if and when the warranty claim is approved and MUST NOT be deducted from the account by the dealer.**
- 8. Products and/or parts not manufactured by M.F.E. are subject to their own manufacturer's warranty conditions.**

WARRANTY CONSIDERATION IS ONLY VALID WHEN THE WARRANTY REGISTRATION FORM HAS BEEN RECEIVED BY MARKET FARM EQUIPMENT.

MARKET FARM EQUIPMENT LIMITED

EXPRESS WARRANTY

Market Farm Equipment Limited warrants against defects in construction and materials for a period of ONE year. We reserve the right to inspect and decide whether material or construction was faulty, or whether abuse or accident voids our guarantee.

This warranty does not cover a component which fails, malfunctions or is damaged as a result of (I) improper modification or repair, (II) accident, abuse or improper use, including loading beyond the specified maximum weights and requirements (III) improper or insufficient maintenance, or (IV) normal wear and tear.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

In no way shall Market Farm Equipment Limited be liable for special, direct, incidental or consequential damages of any kind, including but not limited to labour charges.

The exclusive remedy under this warranty shall be repair or replacement of the defective component at Market Farm Equipment Limited's option. This is the entire agreement between Market Farm Equipment Limited and the owner about warranty. NO M.F.E. Ltd. employee or dealer is authorized to make additional warranty on behalf of Market Farm Equipment Limited.

(Fill in the following for future reference)

Serial number:_____

Date of purchase:_____

Purchased from:_____

WARRANTY REGISTRATION

MARKET FARM EQUIPMENT LIMITED
R.R. 1 DASHWOOD, ONTARIO, CANADA, N0M 1N0
Fax: 519-238-6044 E-mail: mfeltd@execulink.com

Purchaser's warranty protection on this equipment is valid only when this registration form is completed by the purchaser and returned to Market Farm Equipment Limited.

Date of purchase: _____

Type of equipment: _____

Model number: _____ **Serial number:** _____

PURCHASER'S SIGNATURE INDICATES:

- Acceptance of equipment, fully assembled () unassembled ()
- Receipt of operator's manual
- Clear understanding of warranty
- Receipt of instructions on special safety equipment available
- Receipt of instructions on safe and proper operating procedures

PURCHASER:

Name: _____

Signature: _____

Mailing Address: _____

Prov./State: _____ **Postal/Zip Code:** _____

Telephone number: _____

Purchased from: _____

THIS WARRANTY MUST BE VALIDATED BY THE MANUFACTURER

It is valid only when a copy of the registration has been received by the manufacturer at address shown.

SAFETY

Understand that your safety and the safety of other persons is measured by how you service, and operate this machine. Know the positions and functions of all controls before you try to operate them. Make sure to check all controls in a safe area before starting your work.

The safety information given in this manual does not replace safety codes, federal, provincial, state and local laws. Make certain your machine has the proper equipment needed as designated by local laws and regulations.

A frequent cause of personal injury or death is from persons falling off equipment and being run over. Do not permit persons to ride on this machine.

Travel speed should be such that complete control and machine stability is maintained at all times. Where possible, avoid operating near ditches, embankments and holes. Reduce speed when turning, crossing slopes and rough, slick, or muddy surfaces.

Collision of high speed road traffic and slow moving machines can cause personal injury or death. On roads, use flasher lights according to local law. Keep slow-moving-vehicle emblem visible. Pull over to let faster traffic pass.

Never adjust, service, clean or lubricate gravity box until all power is shut off.

Keep all safety shields in place.

Keep hands, feet, and clothing away from moving parts while unit is in operation.

Never overload wagon. Overloading wagon is dangerous and can cause extensive damage to both box and running gear. Do not tow loaded gravity box in excess of 32 km/h (20 mph).

Never add more sideboards to gravity box than what is recommended, as gravity box is not designed to handle the added weight.

The service ladder is for service work only. If you must climb into gravity box, be certain that all power is shut off and then use extreme caution when climbing into the gravity box.

Never allow anyone in, near or on gravity box during transporting or unloading of grain. Moving grain is dangerous and can cause entrapment, resulting in severe injury or death by suffocation.

Make sure that the gravity box is properly fastened to the running gear.

Make sure that everyone is clear of equipment before applying power to machinery used in conjunction with the box or when moving the equipment.

OPERATING INSTRUCTIONS / MAINTENANCE

NOTE: For pulling gravity boxes and running gears without brakes on highways, observe the following:

<u>Road Speed</u>	<u>Weight of the gravity box and running gear (loaded or unloaded) relative to the weight of the tractor</u>
Up to 32 km/h (20 mph)	1 to 1 or less
Up to 16 km/h (10 mph)	2 to 1, or less
Do not tow	More than 2 to 1

Before filling the gravity box, make certain that no one is inside the gravity box. Never allow children or anyone in, near, or on the gravity box during transport or during loading and unloading of grain. Be aware that moving grain is dangerous and can cause entrapment, resulting in severe injury or death by suffocation.

After hauling corrosive materials such as fertilizers, be sure to wash out the gravity box to prevent premature rusting. Bare spots on metal should be primer coated before applying the outer surface paint.

Check the box periodically for cracks in welds and for other structural damage. Have cracked welds fixed immediately. Failure to do so could result in extensive damage and greatly reduce the life of the gravity box.

OPERATING INSTRUCTIONS / MAINTENANCE

NOTE: BE CERTAIN THAT ALL POWER IS SHUT OFF BEFORE SERVICING THE GRAVITY BOX.

Before the gravity box is put into service, make certain to:

Lubricate the track assembly (opens door) for less wear on the sprocket and track and also for easier door operation.

Position SMV (Slow Moving Vehicle) emblem with a point of the triangle upward and as near to the rear and centered or as near to the left of center of the unit as practicable. Locate it two to six feet above the ground measured from the lower edge of the emblem. Position reflective tapes as shown on diagram. (All reflective tapes and SMV sign provided)

Properly attach the gravity box to the running gear. Bolt all 4 corners when using a rocking bolster. If no rocking bolster is used, bolt two corners and chain or cable the remaining corners to allow more box flexibility.

Check all braces, bolts, nuts, lug bolts, and lug nuts, and be sure that they are properly fastened.

Read and understand all danger, warning, caution, and important signs on the equipment. If employees or others use or are near this equipment, make sure that they also have read and understood all danger, warning, caution, and important signs on the equipment and have also read the operator's manual.

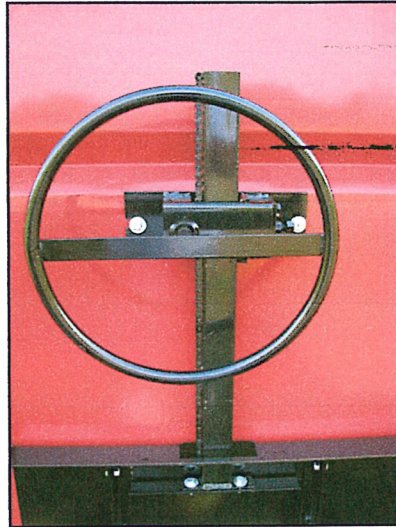
WAGON RECOMMENDATIONS

Market 2000 / 2900	10 Ton Wagon
Market 4000	12 Ton Wagon c/w Rocking Bolster
Market 5000	14 Ton Wagon c/w Rocking Bolster
Market 6500	18 Ton Wagon c/w Rocking Bolster 2 Wheel Brakes
Market 7500	24 Ton Wagon c/w Rocking Bolster 2 Wheel Brakes

COMMON GRAVITY BOX PARTS



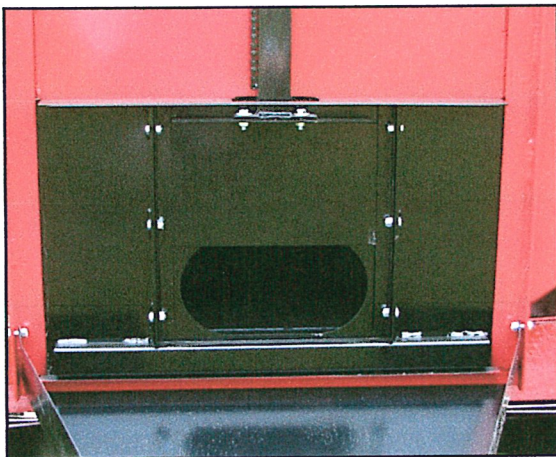
#102B LADDER



#240 DOOR OPENER



#710 INSPECTION WINDOW



**32" DOOR ASSEMBLY
38" DOOR ASSEMBLY**



**#268 32 $\frac{3}{4}$ " GRAIN CHUTE
#269 38" GRAIN CHUTE**



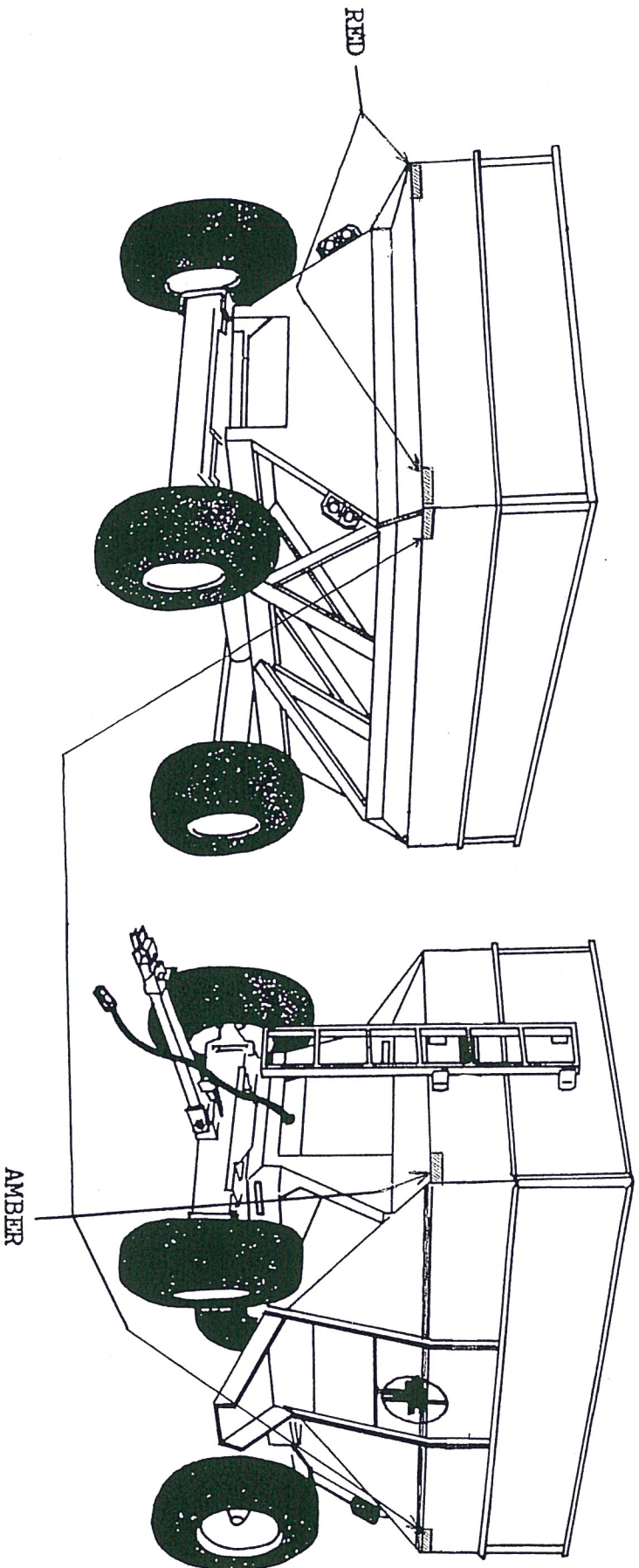
#341 LIGHT KIT

DOOR OPENER PARTS

#236.....11 TOOTH SPROCKET C/W ROLL PIN

#237.....27 $\frac{1}{2}$ " DOOR TRACK (OLD STYLE)

REFLECTIVE TAPE POSITIONING



Location: [Ministry Home](#) > [Publications](#) > [Farm Vehicles and Equipment and The Highway Traffic Act](#) > Lighting Requirements

Farm Vehicles & Equipment and The Highway Traffic Act

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LIGHTING REQUIREMENTS

See References Below

Lighting requirements apply to all farm equipment, regardless of their size or shape. Other lighting requirements are in place for larger farm equipment.

When Lights Must Be Used:

HTA 62(1),(4)

Lights are required and must be used one-half hour before sunset to one-half hour after sunrise or at any other time, when there is insufficient light or atmospheric conditions, people or vehicles on the highway are not clearly visible at a distance of 150 metres (500 ft) or less. When in use, lights must be visible for a distance of 150 metres.

Lighting Requirements:

Dimensions	Daytime	When Lights are Required
Required by All Vehicles		
All sizes		<ul style="list-style-type: none"> • 2 white or amber headlamps • 1 red tail light (minimum) - if over 2.6 m (8'6") wide: 2 red tail lights or 2 red reflectors
Combination of vehicles exceeding 6.1 m (20 ft) length		<ul style="list-style-type: none"> • 2 green or amber side marker lamps on the front and • 2 red side marker lamps on the rear; or • 4 reflectors
Required by Larger Vehicles		
The following lighting is required in addition to the requirements listed above. These lamps are not required to be operating while the vehicle is being driven across a highway.		
Length:		
Combination of vehicles exceeding 23 m (75 ft)		<ul style="list-style-type: none"> • 2 flashing amber lights on the front and • 2 flashing amber lights on the rear
Width:		
Over 2.6 m (8'6") up		• 2 flashing amber lights on

Over 2.6 m (8'6") up to and including 3.8 (12'6")m		<ul style="list-style-type: none"> • 2 flashing amber lights on the front and • 2 flashing amber lights on the rear
Over 3.8 m (12'6") up to and including 4.8 m (15'9")	<ul style="list-style-type: none"> • 2 flashing amber lights on the front and • 2 flashing amber lights on the rear OR • rotating amber light mounted on the uppermost part of the vehicle and visible to the front and rear 	<ul style="list-style-type: none"> • 2 flashing amber lights on the front and • 2 flashing amber lights on the rear AND EITHER • rotating amber light mounted on the uppermost part of the vehicle and visible to the front and rear OR • escort vehicles front and rear
Over 4.8 m (15'9")	<ul style="list-style-type: none"> • 2 flashing amber lights on the front and • 2 flashing amber lights on the rear OR • rotating amber light mounted on the uppermost part of the vehicle and visible to the front and rear 	<ul style="list-style-type: none"> • 2 flashing amber lights on the front and • 2 flashing amber lights on the rear AND • rotating amber light mounted on the uppermost part of the vehicle and visible to the front and rear AND • escort vehicles front and rear

It is important to note the following:

- Flashing amber lights are to be placed not more than 15 cm (6 inches) from the side of the permanent structure of the vehicle and be visible at a distance of 150 m (500 ft) from the front and rear
- If farm equipment is not equipped with an electric lighting system, the following applies: 1) Lamp or lamps displaying at least 1 white light to the front 2) 1 red lamp on the rear
- Additional lighting requirements and escort vehicles are not required when directly crossing the highway
- Farm tractors and SPIH of any length, when not towing implements, are not required to have side marker lamps
- One (1) red or amber stop lamp which operates when the brakes are applied is required when the operation of other vehicles is affected and hand signals cannot be seen by other drivers

Escort Equipment and Location Requirements:

Escort vehicles must:

- have hazard warning signal lamps (four-way flashers)
- carry intermittent flashing, rotating amber light mounted on the uppermost part of the vehicle and visible to the front and rear
- be located to the front and rear at a distance of approximately 60 m (200 ft)