

AUTO-CHARGEUSE
TAC-14 TAC-20
Self load trailer



CE

OPERATOR'S
MANUAL

MANUFACTURED IN CANADA BY :

MACHINERIE
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MACHINERY

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Note : la version française a préséance sur les versions en d'autres langues.

TAC-14, TAC-20 Twelve Months Warranty*

Congratulations ! You are now the proud owner of the best Self Loader on the market, the TAC-14 or TAC-20. We are convinced that you will enjoy the trouble free experience of working with the TAC.



CAUTION !

For your safety and to get the best out of your investment, please read the operator's manual carefully before operation.



IMPORTANT

Warranty registration form (page 5) must be completed and returned to A.M. Machinery within ten days of ownership to validate warranty.

Warranty coverage

AM Machinery Inc. warrants that the TAC-14, TAC-20 is manufactured under high quality standards and agrees to replace or repair at seller's place of business all parts (**except : tires), which are defective in material or workmanship without charge for parts and labor if a defect appears within 12 months from the date of the purchase by the original purchaser.

The warranty is only valid if the fault is reported to us or our distributors by the dealer submitting a complete warranty claim form *within 15 days of the breakdown*. The purchaser shall pay any charge for making service call and for transporting the machine to the place where the warranty work is to be performed.

Exclusion

This warranty covers only defective material or workmanship. It does not cover depreciation or damage caused under normal wear, accidents, improper maintenance, and improper protection in storage or improper use.

The cost of normal maintenance and normal replacement of service items such as air filters, oil filters, etc. shall be paid by the purchaser.

Disclaimer of consequential damage

The warranty exclude any secondary damage, for example consequential losses caused as a result of machine breakdown or non-availability of spare parts.

As for the final product, high quality forage depends on many factors (example : the quality of forage being put up, the quality of the plastic used etc.)

A.M. Machinery accepts no liability for forage losses or poor quality forage conservation.

* If used and maintained according to the owner's manual instructions.

** Tires, battery, film tensionners and motor are under the warranty of their respective manufacturer.

Warranty Registration

Must be completed and returned to A.M. Machinery within 10 days of ownership to validated warranty.

MODEL : _____ SERIAL No. : _____

DATE OF PURCHASE : _____

Dealer Information :

Name _____
Address _____
City _____
State _____ Zip Code _____
Country _____
Telephone _____
Fax _____

(Dealer's signature)

Owner Information :

Name _____
Address _____
City _____
State _____ Zip Code _____
Country _____
Telephone _____
Fax _____
Occupation _____

(Owener's signature)

Returned to :

A.M. Machinery,
9, Des Industries, L'Islet (Québec) G0R 1X0 CANADA
Safety Guides Lines

Take note : this safety alert symbol found throughout this manual is used to call your attention

to instructions involving your personal safety and the safety of others.
Failure to follow these instructions can result in injury or death.

These symbol means :



ATTENTION !

BECOME ALERT !

YOUR SAFETY IS INVOLVED

Important Signal Words

DANGER : indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components which, for functional purposes, cannot be guarded.

WARNING : indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury and include hazard that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION : indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If you have any questions not answered in this manual or require additional copies or, if your copy of this manual is damaged, please contact your local dealer.

Remember

- Your best insurance against accidents is a careful and responsible operator.
- If there is any portion of this manual or function you do not understand, contact your local authorized dealer or the manufacturer.

General information

- This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operation. Do not allow anyone to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and how it works.
- Review the safety instructions with all users annually.
- Never exceed the limits of a piece of machinery. If its ability to do a job or to do so safely is in question, DON'T TRY IT.
- Do not attempt to operate this equipment under the influence of drugs or alcohol.
- Replace any «CAUTION», «WARNING», «DANGER» or instruction safety decal that is not readable or is missing.

Lighting, marking, National Road Rules

It is the responsibility of the customer to know the lighting and marking requirements of the local highway authorities and to install and maintain the equipment to provide compliance with the regulations.

Add extra lights when transporting at night or during periods of limited visibility.

Lighting kits are available from your dealer or from the manufacturer.

Safety sign care

Keep safety signs clean and legible at all times.

Replace safety signs that are missing or have become illegible.

Replaced parts that displayed a safety sign should also display the current sign.

Safety signs are available from your Dealer Parts Department or Distributor or directly from AM Machinery.

Serial Number

You will find the serial number in the front of the TAC, on the frame.



GETTING STARTED

- 1) The recommended oil flow is from 15 to 18 US gal./min.
- 2) Lubricate all grease fittings with good quality, multi-purpose grease.
- 3) Adjust the tire pressure as recommended by the manufacturer.
- 4) Install all hoses and adapters to suit your standard equipment.
- 5) Couple the auto-loader to the tractor and connect the hydraulic hoses, as indicated.
- 6) Operate all hydraulic functions in order to eliminate the air that might stay in the hoses.
- 7) Check the hydraulic oil level in the tractor's reservoir.

ADJUSTEMENTS

Loading arm

Adjust the position and opening of the loading arm according to recommendations (FIG. 1). The dimensions given are for reference only and may vary depending on the size of the ball, its weight and hardness.

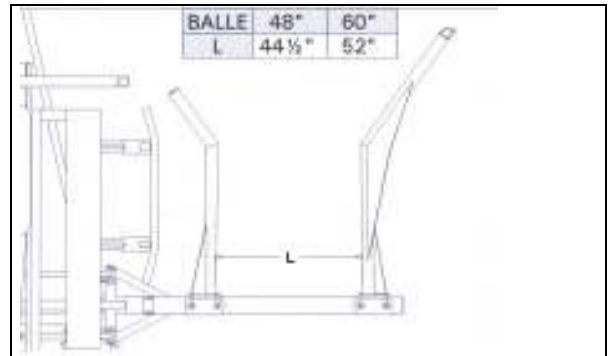


Fig 1.



Fig 2.

Adjust the valve (fig 3.) by turning the plate, thus to avoid that the loading arm does not interfere with the upper frame for unloading.



Fig 3.

Sidewalls ajustement

Adjust the sidewalls to the shape and size of the Balls (Figure 3). This adjustment is to prevent balls rolling from one side to the other during transport.



Fig 4.

Flange ring ajustement

Adjust the attachment flange ring to keep Machine at level. There are three sets of bolts holes for ajustement to the attachment to keep the machine Parallel to ground during operation. (Figure 4)



Fig. 5

Transport position

Lock the loading arm, during transport with the provided security pins (fig 6)



Fig 6.

Rear bale support adjustment

Nuts should be placed outward the bale row

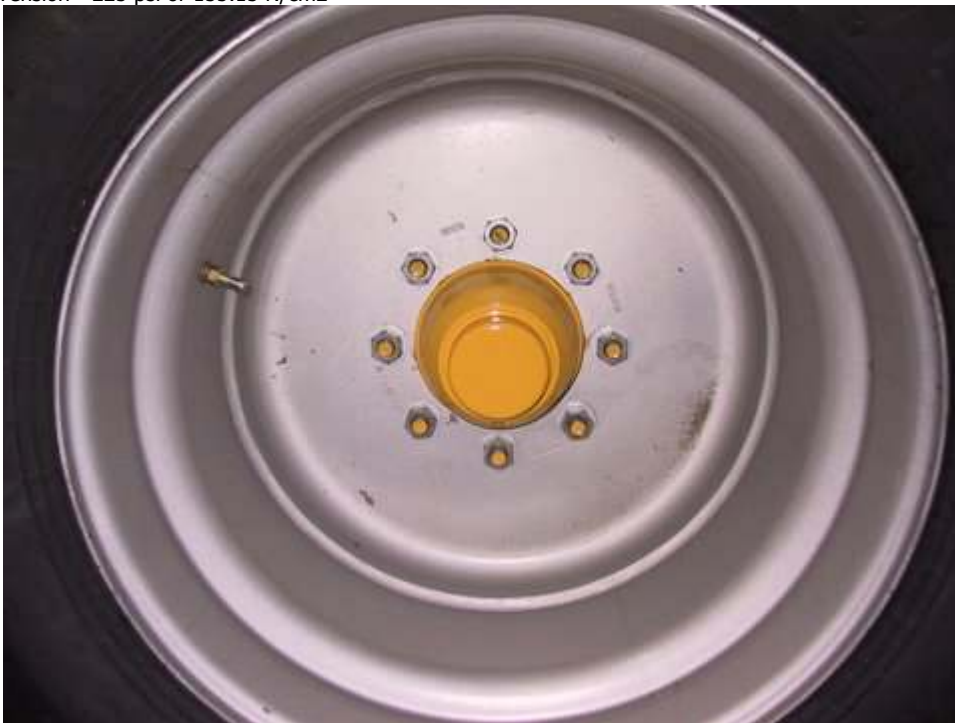


Misplaced nut

Wheels adjustments

Tighten the bolts after 5 hours of operation

Tension " 225 psi or 155.15 N/cm2"



When the first bale arrive at the rear support, a switch activates the light on the front right to indicate the bale has reached the rear bale support.



Blue = pusher
Yellow = arm
Green = dump

OPERATION

- 1) Keep in mind that the auto loader is designed and made to rotate balls and load without stopping, the path followed will be the same as that of a bale press.
- 2) When you are ready for the first ball
Lower the loading arm a few inches
Above the ground, do slowly to get used to,
Align the machine so that the outer corner
Within the ball comes into contact with the loading fork
Exterior to about $\frac{1}{3}$ to $\frac{1}{2}$ of its angled portion.
- 3) Raise the loading arm as soon or just before the ball touches the bottom of the "U".
- 4) Continue to push the ball until it falls on the platform.
Follow the same procedure to load the second row of balls.
Then begin to lower the upper loading arm
In order to disengage the safety switch (on the auto loader, a device is installed to prevent the pusher and the tilting platform to operate if the loading arm is not enough down).
- 5) when you get used to the machine and its operation, you will notice that changing slightly the position of the ball relative to the external fork, you will be able to turn and charge the ball even faster.
In this case, the ball must come into contact with the outer fork slightly closer to the elbow.

Maintenance

The round bale self-loader is designed to save energy, time and money, take care of it, protect your investment

1) Wipe out the grease with a clean cloth before performing lubrication, to avoid introducing dirt or sand

2) Repair or replace broken greasers.

3) Lubricate all les greasers after every 20 hours of operation.

4) Disassemble, clean and lubricate the roller bearings hubs once a year.

5) Check the tightness of all nuts once a year. If necessary, tighten according to the table.

6) Check the tightness of the wheel nuts after the first 5 hours of use and then every 50 hours of operation.

7) Check the tire pressure after every 50 hours of operation. Adjust as mentioned on the tire

8) Keep your equipment clean, it is a good habit.

STORAGE

1) Store your self loader in a cool and dry storage location 4) Clean the round bale self loader

2) Install wooden blocks under the axles so that the tires are not in contact with the ground and cover them if they are exposed to sunlight. 5 Check all parts of the auto-loader. Repair or replace worn, bent or broken pieces.

3 Place all cylinders in closed position (the loading arm must be lowered). This will ensure better protection of rods, cylinders against the weather. 6) Treat or repaint places where paint is missing to prevent rust.

7) Lubricate all the greasers before storage.