

**570, 580  
and 590  
Round Balers**

**John Deere Arc-lès-Gray  
OMCC41367 Issue J4**

**European Edition**

Printed in Germany

**ANGLAIS**

# Contents

	Page		Page
<b>Identification Views</b> . . . . .	00-1	<b>Transporting</b>	
<b>Safety</b> . . . . .	05-1	Warning lights . . . . .	30-1
<b>Safety Decals</b> . . . . .	10-1	Preparing for transport . . . . .	30-1
		Storing jackstand . . . . .	30-1
<b>Preparing the Tractor</b>		<b>Operating the Baler</b>	
Adjusting drawbar . . . . .	15-1	Break-in period . . . . .	35-1
Adjusting front tread . . . . .	15-1	Rotating baler by hand . . . . .	35-2
Adjusting rear tire spacing . . . . .	15-1	How the net wrapping works . . . . .	35-3
Checking ballast . . . . .	15-2	How the soft core works . . . . .	35-4
PTO speed . . . . .	15-2	Crop preparation . . . . .	35-4
Setting selective control valves . . . . .	15-2	Feeding the material . . . . .	35-6
Installing monitors . . . . .	15-3	Basic baler settings . . . . .	35-8
Installing monitor support . . . . .	15-4	Manual Twine Control . . . . .	35-14
Connecting monitors . . . . .	15-6	Electronic Wrapping Control Monitor . . . . .	35-15
Using drawbar shield . . . . .	15-8	BaleMaster Control Monitor . . . . .	35-18
		LCD screen description . . . . .	35-19
<b>Preparing the Baler</b>		BaleMaster keyboard description . . . . .	35-20
Selecting twine . . . . .	20-1	BaleMaster key functions . . . . .	35-20
Loading twine boxes . . . . .	20-1	BaleMaster initial settings . . . . .	35-25
Tying sheet bend knot . . . . .	20-2	Switching ON BaleMaster . . . . .	35-26
Tying modified square knot . . . . .	20-2	Selecting BaleMaster wrapping mode . . . . .	35-27
Routing twine . . . . .	20-3	Operating BaleMaster . . . . .	35-28
Selecting net roll . . . . .	20-5	BaleMaster special display . . . . .	35-42
Care of net roll . . . . .	20-5	BaleMaster diagnostic mode . . . . .	35-43
Loading net boxes . . . . .	20-6	Forming a bale with BaleMaster . . . . .	35-54
Routing net . . . . .	20-7	Forming a bale without BaleMaster . . . . .	35-56
Tire inflation . . . . .	20-8	Wrapping a bale with BaleMaster . . . . .	35-58
		Wrapping a bale with Electronic Wrapping Control . . . . .	35-69
<b>Attaching and Detaching</b>		Wrapping a bale with Manual Twine Control Switch . . . . .	35-72
Attaching to 540 rpm PTO . . . . .	25-1	Discharging bale with BaleMaster . . . . .	35-74
Attaching to drawbar . . . . .	25-2	Discharging bale without BaleMaster . . . . .	35-75
Attaching to trailer hitch . . . . .	25-3	Gate lock valve (590 only) . . . . .	35-75
Storing jackstand . . . . .	25-4	Gate lock device (570-580 only) . . . . .	35-76
Using jackstand . . . . .	25-4	Unplugging baler (590 only) . . . . .	35-76
Connecting/disconnecting hookup . . . . .	25-4	Unplugging baler (570-580 only) . . . . .	35-77
Attaching to hydraulic system . . . . .	25-5	Adjusting bale size without BaleMaster . . . . .	35-77
Connecting wiring harness . . . . .	25-6	Adjusting twine spacing . . . . .	35-78
Storing hookup . . . . .	25-6	Bale density gauge (590 only) . . . . .	35-79

Continued on next page

*All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.*

OMCC41367 J4-19-31JUL03

COPYRIGHT© 1994  
DEERE & COMPANY  
European Office Mannheim  
All rights reserved  
A John Deere ILLUSTRATION™ Manual

Contents

	Page		Page
Adjusting bale density . . . . .	35-80	Bale quality . . . . .	50-8
Adjusting soft core diameter . . . . .	35-81	General baler difficulties . . . . .	50-10
Adjusting twine guide . . . . .	35-82	Silage equipment . . . . .	50-13
Adjusting pickup height . . . . .	35-82	Net wrapping . . . . .	50-14
Setting wide pickup feeder forks . . . . .	35-83		
Adjusting compressor rack . . . . .	35-83	<b>Service</b>	
Adjusting converging wheel height . . . . .	35-84	Torques for hardware . . . . .	55-1
Adjusting wheel spindles . . . . .	35-85	Baler roll numbering . . . . .	55-2
Adjusting wide pickup gauge wheels . . . . .	35-87	Adjusting drive chains . . . . .	55-3
Adjusting starter roll scraper . . . . .	35-87	Adjusting upper drive roll chain . . . . .	55-4
Adjusting pickup float springs . . . . .	35-88	Adjusting upper arm spring . . . . .	55-5
Resetting bale counter . . . . .	35-88	Adjusting gate latch (590 only) . . . . .	55-5
Operating bale push bar . . . . .	35-89	Adjusting gate latch stop . . . . .	55-6
Setting baler for 1000 rpm PTO . . . . .	35-93	Adjusting gate locking hooks . . . . .	55-7
		Adjusting belt tracking . . . . .	55-8
		Adjusting bale size indicator . . . . .	55-8
<b>Attachments</b>		Adjusting twine cutter anvil . . . . .	55-10
Converging wheels . . . . .	40-1	Adjusting gate latch switch . . . . .	55-10
Hydraulic pickup lift . . . . .	40-1	Adjusting oversize bale switch . . . . .	55-11
Standard belt stapler . . . . .	40-1	Adjusting bale shape senders . . . . .	55-13
Goro belt stapler . . . . .	40-2	Adjusting pulley sensors . . . . .	55-15
Road light kit . . . . .	40-2	Adjusting lower drive roll sensor . . . . .	55-16
Flax bundle . . . . .	40-2	Adjusting bale size potentiometer . . . . .	55-17
Bale discharging ramp . . . . .	40-2	Adjusting bale size switch . . . . .	55-18
Gate deflectors . . . . .	40-3	Adjusting soft core switch . . . . .	55-19
Silage bundle . . . . .	40-3	Adjusting net switch . . . . .	55-19
Hemp bundle . . . . .	40-3	Adjusting pickup auger scrapers . . . . .	55-20
Pickup gauge wheel . . . . .	40-3	Adjusting twine arm travel . . . . .	55-21
Wide pickup . . . . .	40-4	Adjusting twine arm timing . . . . .	55-22
High floatation tires . . . . .	40-4	Resetting twine arm actuator rod . . . . .	55-23
Upper roll drive . . . . .	40-4	Adjusting net feed roll pressure . . . . .	55-24
55 bar soft core kit . . . . .	40-5	Checking net feed roll drive belt . . . . .	55-25
0 bar soft core kit . . . . .	40-5	Removing net feed roll drive belt . . . . .	55-25
Net wrapping . . . . .	40-5	Installing net feed roll drive belt . . . . .	55-26
Bale push bar . . . . .	40-6	Access to net knife . . . . .	55-26
Rubber covered shells . . . . .	40-6	Removing and installing net knife . . . . .	55-27
Low drive belt speed bundle . . . . .	40-6	Removing rear net guide . . . . .	55-27
		Installing rear net guide . . . . .	55-28
		Removing front net guide . . . . .	55-28
		Installing front net guide . . . . .	55-29
		Checking front net guide rubber band . . . . .	55-29
<b>Lubrication and Maintenance</b> . . . . .	45-1	Adjusting net knife arm stop . . . . .	55-30
Draining and refilling gear case . . . . .	45-3	Checking net feed roll brake . . . . .	55-30
Checking belt wires . . . . .	45-3	Removing net wrapped around feed roll . . . . .	55-31
Every 10 hours . . . . .	45-4	Checking lower front gate roll guide . . . . .	55-32
Every 30 hours . . . . .	45-6	Replacing powerline shear bolt . . . . .	55-32
Every 50 hours . . . . .	45-8	Replacing pickup drive shear bolt . . . . .	55-33
Annually . . . . .	45-9	Removing the belts . . . . .	55-33
		Installing belts . . . . .	55-34
		Routing belts through the baler . . . . .	55-35
<b>Troubleshooting</b>			
BaleMaster Control Monitor . . . . .	50-1		
Twine wrapping . . . . .	50-2		
Feeding . . . . .	50-4		
Pickup . . . . .	50-6		

Continued on next page

**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**

Contents

	<b>Page</b>
Hook belt ends . . . . .	55-37
Repairing belts . . . . .	55-38
Installing standard belt hooks . . . . .	55-40
Installing Goro belt hooks . . . . .	55-41
Adjusting slip clutch . . . . .	55-43
Checking slip clutch . . . . .	55-43

**Storage**

At end of season . . . . .	60-1
Preparing for beginning of season . . . . .	60-2

**Specifications**

570 baler . . . . .	65-1
580 baler . . . . .	65-3
590 baler . . . . .	65-5

**Serial Numbers**

Serial number plates . . . . .	70-1
Baler serial number plate . . . . .	70-1
Product identification number . . . . .	70-1
Net wrapping serial number . . . . .	70-1

**Index**

*Contents*

# Identification Views



CC006596

570 Round Baler

-UN-12FEB96



CC000935

580 Round Baler

-UN-12FEB96



CC000936

590 Round Baler

-UN-12FEB96

CC.570RB 001433-19-20OCT94

# Safety

## RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



DX,ALERT -19-03MAR93

T81389 -UN-07DEC68

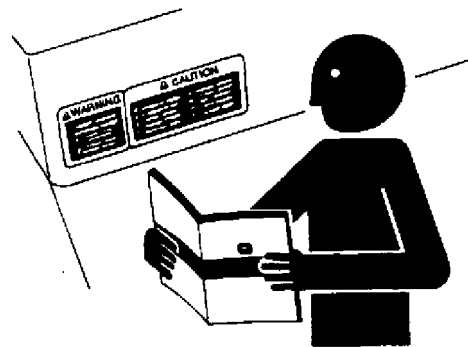
## FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-03MAR93

T5201 -UN-23AUG88

## UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-03MAR93

T5187 -19-30SEP88



## OBSERVE ROAD TRAFFIC REGULATIONS

Always observe local road traffic regulations when using public roads.



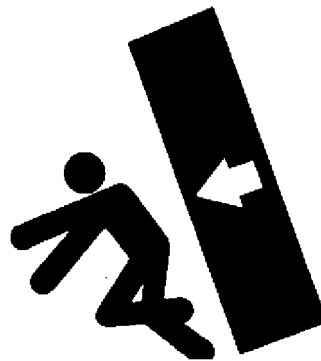
FX,ROAD -19-01MAY91

H28930 -UN-30JUN89

## STORE ATTACHMENTS SAFELY

Stored attachments such as dual wheels, cage wheels, and loaders can fall and cause serious injury or death.

Securely store attachments and implements to prevent falling. Keep playing children and bystanders away from storage area.



DX,STORE -19-03MAR93

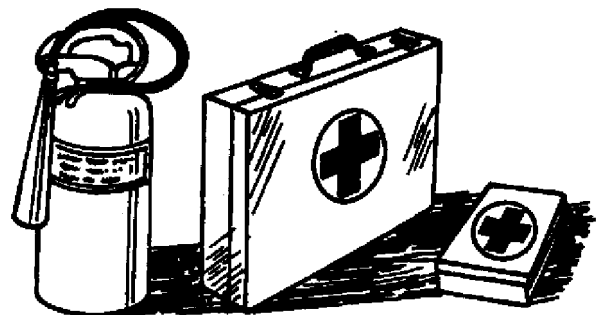
TS219 -UN-23AUG88

## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



DX,FIRE2 -19-03MAR93

TS291 -UN-23AUG88



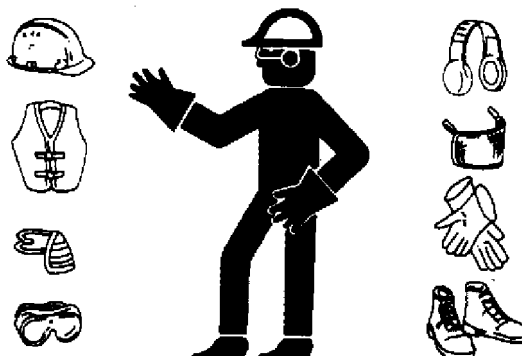
## WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



DX,WEAR -19-10SEP90

TS206 -UN-23AUG68

## CHECK MACHINE SAFETY

Always check the road and general operating safety of the machine before using.

FX,READY -19-28FEB91

## STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



DX,PTO -19-03MAR93

TS198 -UN-23AUG68



**Suggest:**

**For more complete manuals. Please go to the home page.**

**<https://www.ebooklibonline.com>**

**If the above button click is invalid. Please download this document first, and then click the above link to download the complete manual.**

**Thank you so much for reading**

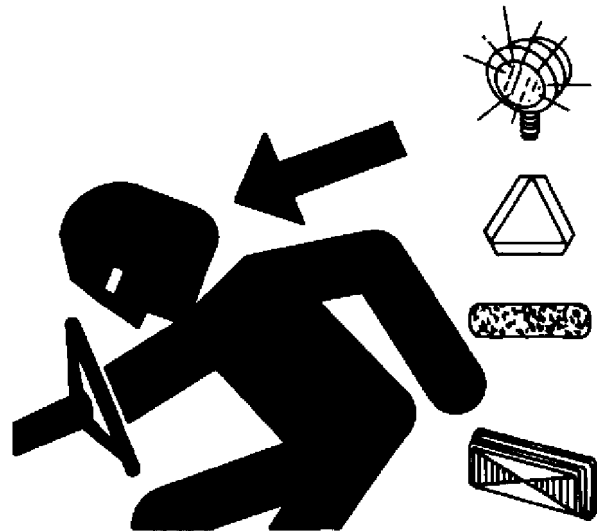


## USE SAFETY LIGHTS AND DEVICES

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driven on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

Whenever driving on public roads, use flashing warning lights and turn signal according to local regulation. To increase visibility, use the lights and devices provided with your machine. For some equipment, install extra flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items. An implement safety lighting kit is available from your John Deere dealer.



DX,FLASH -19-15MAR93

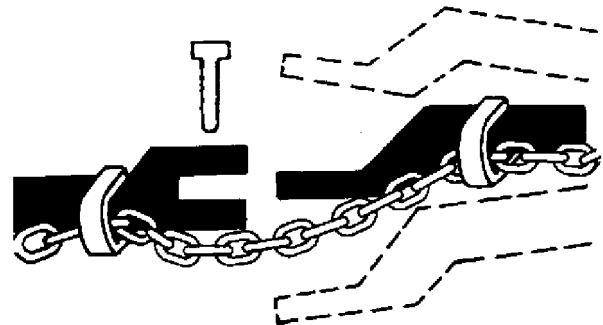
TSS951 -UN-12APR90

## USE A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar.

Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning.

See your John Deere dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine. Do not use safety chain for towing.



DX,CHAIN -19-03MAR93

TSS217 -UN-23AUG88



## OPERATE BALER SAFELY

To avoid injury or death by being pulled into the machine:

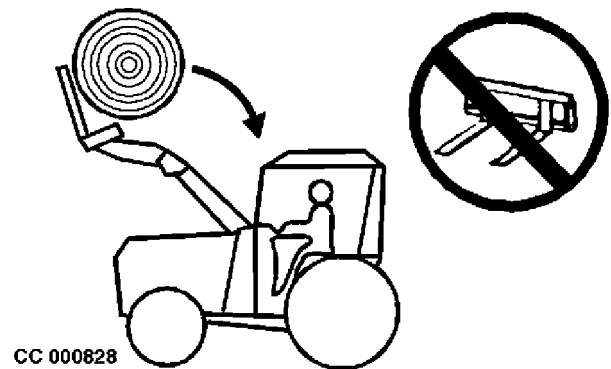
- DO NOT attempt to feed crop or twine into baler or unplug feed area WHILE BALER IS RUNNING. The baler feeds material faster than you can release it.
- Disengage PTO and shut off engine.
- Stand clear of baler at all times when machine is operating.

CC.575RB 001311-19-20MAY94

## AVOIDING INJURY OR DEATH FROM FALLING ROUND BALES

 **CAUTION:** To help prevent personal injury or death caused by falling loads:

- DO NOT handle round bales unless loader is equipped with an approved bale handling device. Otherwise, the bale can fall on the operator when the loader is raised.
- For 6000 and 7000 series tractors, set detent selector knobs on top of valves to "loader" position when using the selective control valve levers to operate the loader. See "Setting Valve Detent Selector" in "Preparing the Tractor" Section.
- Handle raised loads with caution.
- Carry loads low and drive slowly.



CC000828 -UN-05APR95

CC.575RB 001312-19-20MAY94

**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**