

Round Baler

540



OPERATOR'S MANUAL

Round Baler

540

OMCC27522 Issue J9 (ANGLAIS)

John Deere Arc-lès-Gray
European version
Printed in U.S.A.





We appreciate the confidence you have shown in John Deere for the purchase of this equipment.

INSPECTIONS

Before handing over this new machine, your dealer performed a Predelivery Inspection. After the machine has operated the first 100 hours, your dealer should perform an After-Sale Inspection in order to guarantee the reliable operation of the machine.

The check list provided for the Predelivery Inspection (at the beginning of the Operator's Manual) will be completed and removed by your John Deere dealer as the inspection is being performed. The dealer will confirm completion of the inspection on the check list and will hand over the pink colored copy to you.

IMPORTANT: This round baler is designed solely for use in customary agricultural operations ("intended use"). Use in any other way is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

This round baler should be operated, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine and the road traffic regulations must be observed at all times.

Any arbitrary modifications carried out on this baler will relieve the manufacturer of all liability for any resulting damage or injury.

SAFETY



CAUTION: This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

At the hand over, your dealer explained the proper operation and maintenance of the machine. Read this Operator's Manual carefully before using the machine for the first time, and pay particular attention to the Safety Rules on the first pages.

MEASUREMENTS

Your operator's manual contains the international standardized SI metric measurement system.

DIRECTION

Right-hand and left-hand sides of this machine are determined by facing in the direction of forward travel.

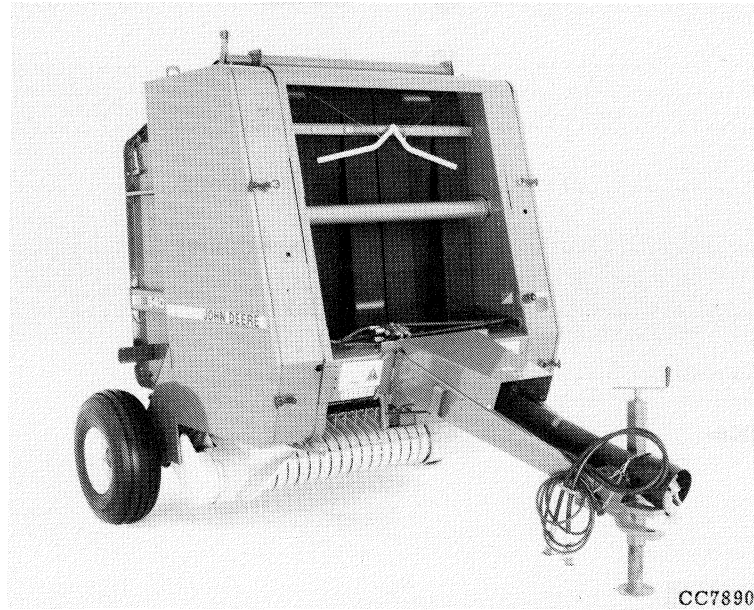
SERIAL NUMBERS

Record the serial numbers of your machine in the spaces provided at the end of this manual. Your dealer needs this information when ordering spare parts.

All information, illustrations, and specifications contained in this operator's 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.

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Identification View



540 Round Baler

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Safety

OBSERVE SAFETY SIGNS AND MESSAGES



CAUTION: This message is used for general reminders of good safety practices or to direct attention to unsafe practices. The message will appear in your operator's manual and/or the sign will appear on the machine with the color combination of yellow and black.

WARNING: This message denotes a specific potential hazard. The sign will be displayed on the machine in areas of potential hazard. The sign will have the color combination of yellow and black.

DANGER: This message denotes the most serious specific potential hazard. The sign will be displayed on the machine in areas of potential hazard. The sign will have the color combination of red and white.



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OBSERVE "IMPORTANT" MESSAGES

Messages labeled "Important" will appear in your operator's manual and/or on the machine to provide specific instructions for performing adjustments, services, etc. If these instructions are not followed, it could result in damage to the machine.

530SABE-030285

AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, relieve all pressure. Before applying pressure to system all connections must be tight and lines and hoses must be in good condition. Pressure oil escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood to search for suspected leaks. If injured by escaping fluid, see a doctor at once. Serious infection can develop if proper medical treatment is not administered immediately.

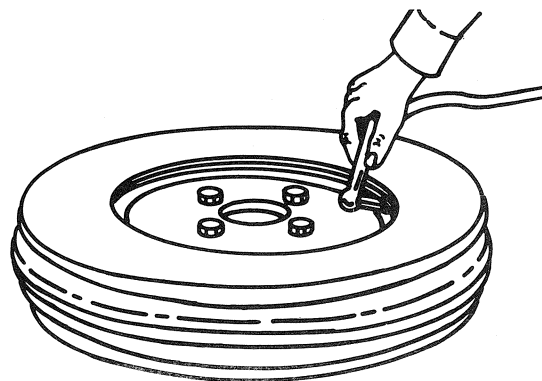


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MOUNT TIRES SAFELY

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your JOHN DEERE dealer or a qualified tire repair service.

When sealing tire beads on rims, never exceed maximum inflation pressure specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when maximum recommended pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.



E19547-550ACCE-030285

DO NOT MODIFY MACHINE

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

530-SAFE-030285

USE SAFETY LIGHTS AND DEVICES

When transporting your machine on a road or highway at night or during the day, use necessary lights for adequate warning to operators of other vehicles. In this regard check local governmental regulations. These various safety lights and devices are available from your JOHN DEERE dealer.

SECURITE-550ACCE-030285

OPERATE SAFELY

Wear relatively tight and belted clothing to prevent catching on machine parts.

Never allow riders on the baler.

Keep all shields in place when operating baler.

Do not attempt to pull hay or twine from pickup when baler is running.

Never hand-feed twine or hay into baler.

All machinery should be operated by responsible persons who have been properly instructed and delegated to do so.

Stand clear of baler at all times when machine is operating.

Become familiar with all controls affecting machine functions.

Before servicing, adjusting, or removing material from the baler, always disengage power and shut off engine.



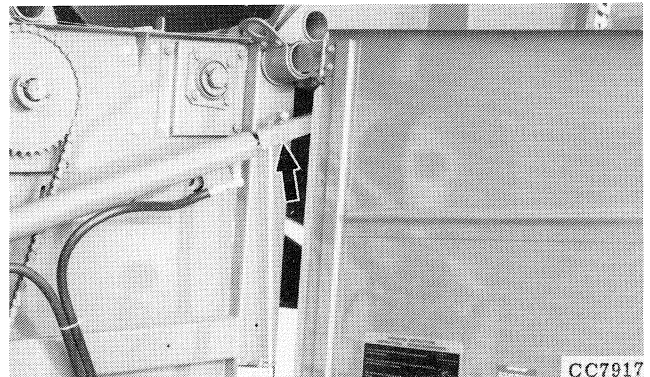
Z20912-545ACCE-030285

Position gate stop in locked position before working on or around baler with gate in raised position. See "Operating the Baler" for gate stop instructions.

To avoid injury stay clear of gate while it is being raised and lowered.

Be sure bystanders are clear before operating gate.

Remove foreign objects from machine. See "Operating The Baler" for removal of foreign objects.



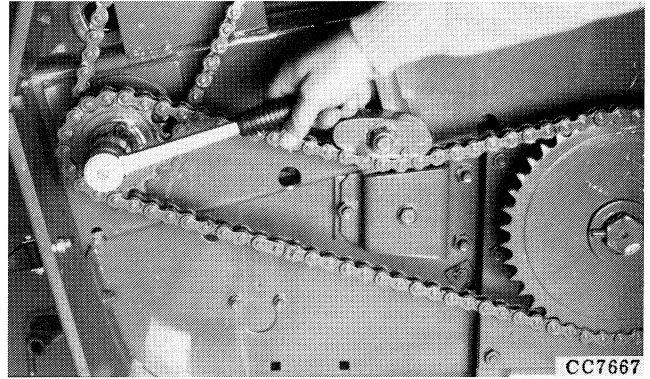
CC7917-540ACCE-031286

Safety

Use a spanner to turn hex. gear case output shaft to aid in servicing. Never use any type of tool or spanner on shaft while tractor engine is running. Always remove tool from the shaft whenever you have finished using it.

Check to make sure hookup is securely latched by pulling rearward on yoke.

Become familiar with operator's manual and the safety and instruction signs on the machine.



CC7667-540ACCE-031286

USING FRONT-END LOADER TO MOVE ROUND BALES



CAUTION: Use extreme caution when using a front-end loader to handle round bales.

If using a tractor loader to move bales, the loader **MUST** be equipped with a grapple to prevent bale from rolling down loader frame onto tractor operator.

Be especially careful when operating on hillsides. The tractor may tip sideways if it strikes a hole, ditch, or other irregularity.

Due to the weight and rolling tendency of large round bales, be careful when moving bales.

To prevent injury or damage from a rolling bale, discharge bales on level ground or in such a manner that the bale will not roll.

Do not allow anyone to stand near the rear of the baler when it is discharging a bale.

Even when using proper equipment, handling round bales can be hazardous. Follow the instructions shown in this manual and on the decals attached to the loader and round bale clamp.

Do not handle round bales with the loader unless a specially designed round bale clamp is installed. Without the clamp, the bale can fall on the operator when the loader is raised.

To avoid handling and stability problems, do not exceed the manufacturer's rated capacity of the tractor.

The tractor must be equipped with a roll-over protective structure to prevent injury to operator in case of a tractor roll-over accident.

The tractor must have maximum rear ballast per wheel and maximum tread width. See your tractor operator's manual.

Reduce the tractor ground speed. Carry the bale as low as possible and maintain adequate visibility and ground clearance at all times.

Jerky operation causes tractor-loader instability. Operate the loader controls smoothly.



W8104

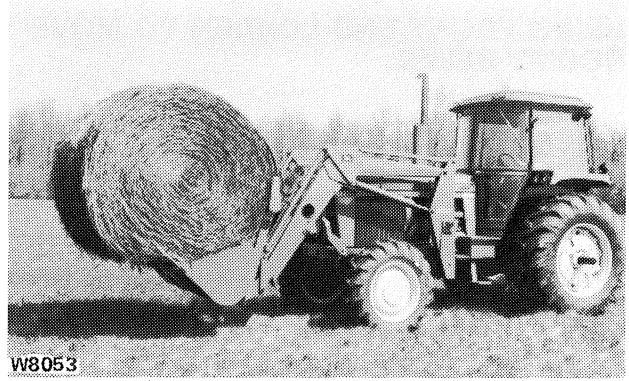
When handling round bales, open clamp and lower fork or bucket to the ground. Keep fork or bucket level with the ground to avoid damaging the round bale. Drive ahead until bale is on the fork or bucket. Close clamp to grasp the bale, roll fork or bucket back, and raise loader boom to provide adequate visibility and ground clearance for transport.

When handling round bales on a slope, approach bale with tractor facing uphill. Open clamp and lower fork or bucket to the ground. Keep fork or bucket level with ground to avoid damaging round bale. Drive ahead until bale is on fork or bucket. Close clamp to grasp bale, roll fork or bucket back, and raise loader boom approx. 15 cm (6 in.) to provide ground clearance for transport on slopes. Proceed slowly with extreme caution.

Never use the tractor loader to stop a rolling bale.

Improper use of loader to handle round bales can result in injury to the tractor operator from:

- a. The bale rolling back down the loader boom into operator's station.
- b. A tractor roll-over accident caused by instability when the bale is not carried low.



W8053-545ACCE-281186

JOINTED SHAFT

Make sure that jointed shaft, tractor PTO and baler hook-up are adequately protected.

Make sure that jointed shaft is correctly connected to PTO.

Make sure that the guards are secured by means of chains.

Always stay clear of jointed shaft during operation.

SECUOM-550ACCE-030285

EXTINGUISHING A FIRE

1. Eject bale immediately.
2. Move tractor and baler upwind as far as possible from flammable material.
3. Raise gate and engage locking device.
4. Use pressurized water fire extinguisher or other water supply to put out fire.

SECUOM-545ACCE-030285

INSTALL A FIRE EXTINGUISHER

Legally homologated pressurized water fire extinguishers are available in various countries and can be purchased by the owner to equip his baler.

Contact your JOHN DEERE dealer to obtain information on fire extinguishers and how to install one on your baler.

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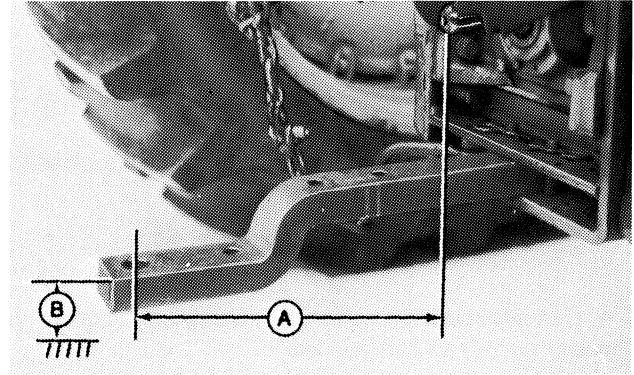
Preparing the Tractor

ADJUSTING DRAWBAR

Vertically align drawbar hitch pin hole with center-line of tractor PTO.

IMPORTANT: Before attaching baler, be sure to adjust drawbar. Replace all shields.

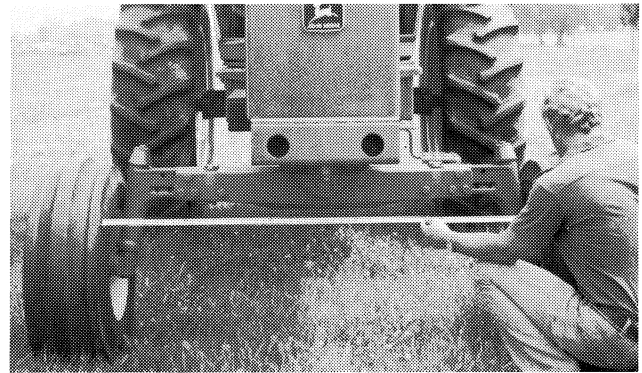
A-350 mm (14 in.)
B-330 to 508 mm
(13 to 20 in.)



E21641-545ACCE-281186

SETTING TRACTOR FRONT WHEELS

Set front wheels to provide an inside tire to tire dimension of 1372 to 1524 mm (54 to 60 in.).



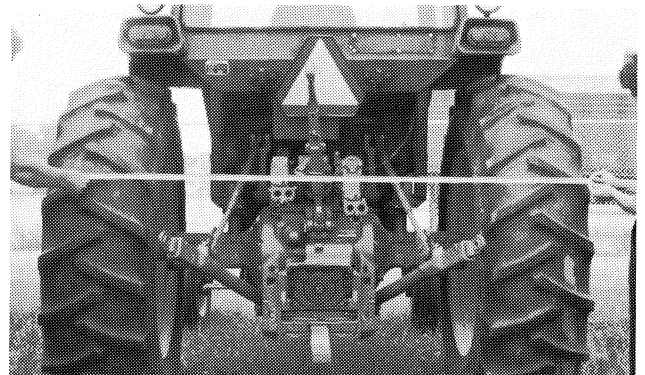
E21602-550ACCE-030285

SETTING TRACTOR REAR WHEELS

Set rear tractor wheels to provide an outside tire dimension of 2591 to 2743 mm (102 to 108 in.)

NOTE: If converging wheels are installed, the outside dimension of the rear wheels must not exceed 2286 mm (90 in.).

IMPORTANT: Do not make extremely short turns or cause the baler to jackknife while backing, as damage may occur to the converging wheels.



E21603-545ACCE-001186

CHECKING BALLAST, WHEEL SPACING AND TIRE INFLATION

Provide sufficient weight to stabilize tractor when operating on hilly ground or other adverse conditions. See your tractor operator's manual.

To insure proper stability, adjust ballast, wheel spacing and tire inflation according to tractor operator's manual.

530PTE-030285

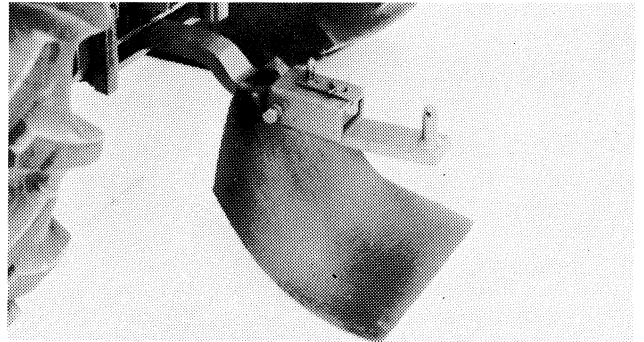
SETTING HYDRAULIC OUTLETS

Set tractor hydraulic remote outlets to maximum flow rate.

530PTGE-030285

USING DRAWBAR SHIELD

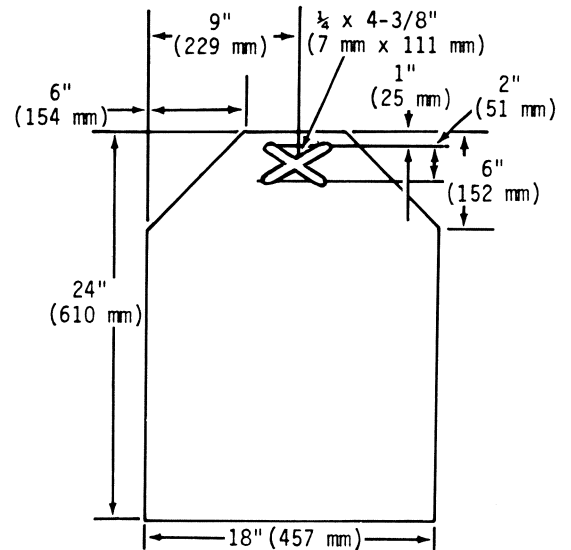
If a tractor drawbar catches and disturbs the windrow under the tractor, a drawbar shield can be used.



E21604-530PTIE-030285

MAKING DRAWBAR SHIELD

Use 2 or 4 ply belting.



E19651-550ACCE-030285

SELECTING TRACTOR PTO SPEED



CAUTION: Under no circumstances should a baler equipped for 540 rpm PTO drive be operated with a tractor at 1000 rpm PTO speed.

530PTFE-000285

Preparing the Baler

SELECTING TWINE

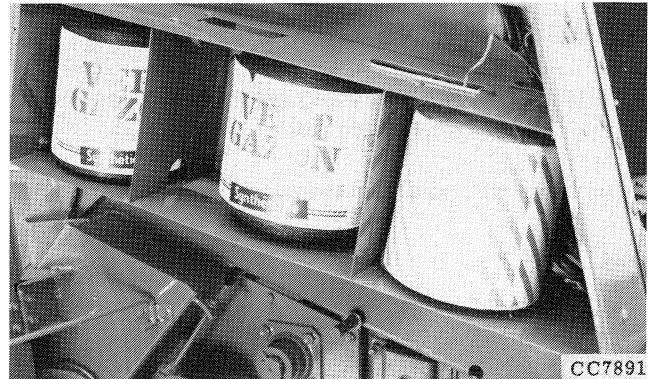
A good quality twine plays a very important part in proper baler operation.

Twine of good tensile strength and uniformity in size should be selected for proper baling operation. This will also help prevent twine from breaking during handling and transporting of bales.

PREPPRES-550ACCE-030285

LOADING TWINE BOX

1. Place one ball of good quality twine in each compartment of the twine box. Be sure twine is pulled from end of the ball marked "top".
2. Join twine by tying the inside end of one ball to the outside of the other ball. In joining twine, use a modified square knot with sisal twine and a sheet bend knot with plastic twine.
3. Trim loose ends of twine as close to knot as possible.

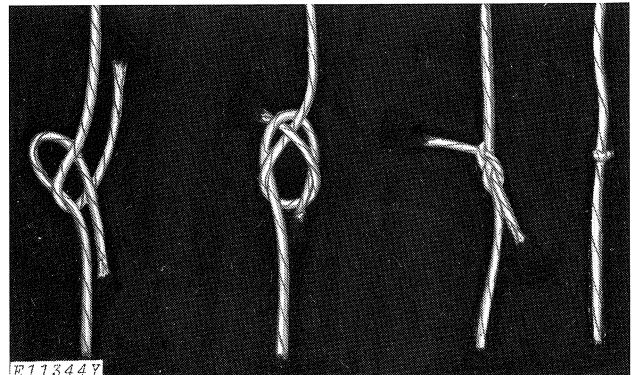


CC7891-540ACCE-031286

TYING SHEET BEND KNOT – PLASTIC TWINE

IMPORTANT: The knot must be small enough to pass through the guides and twine arm.

Tie plastic twine balls together with a sheet bend knot as shown.

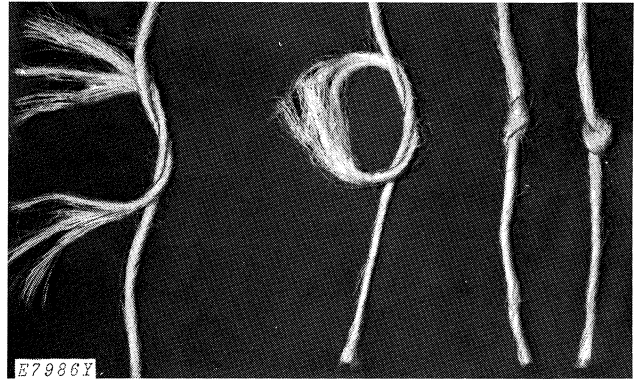


E11344-530PMCE-030285

TYING MODIFIED SQUARE KNOT – SISAL TWINE

IMPORTANT: The knot must be small enough to pass through the guides and twine arm.

Tie twine balls together with a square or modified square knot as shown.

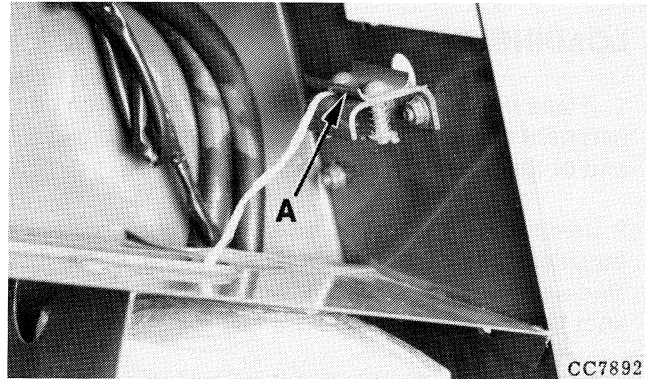


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ROUTING TWINE THROUGH GUIDES

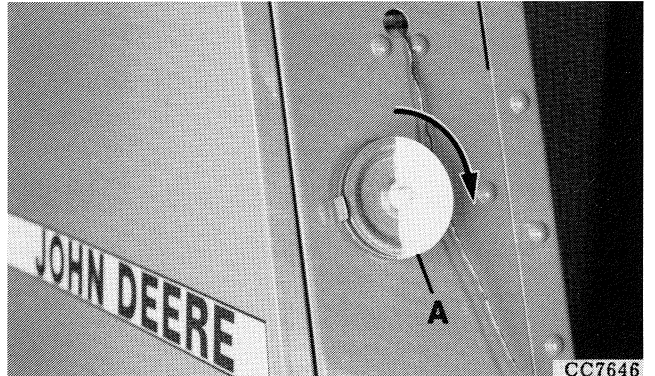
NOTE: A detailed threading diagram is located inside right-hand shield door.

Pull twine through twine tension plate and opening (A).



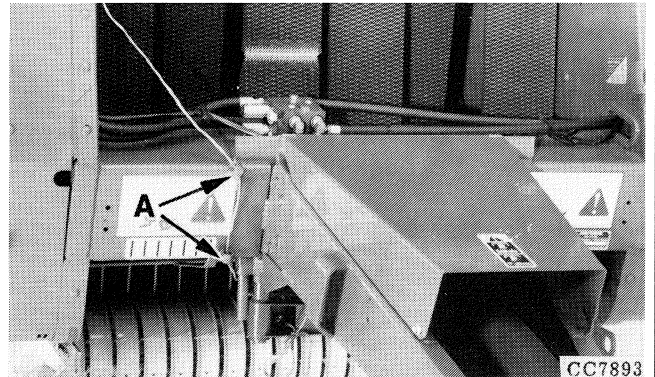
CC7892
CC7892-540ACCE-031286

If the baler is equipped with a twine wrapping indicator (option), loop twine around pulley (A).



CC7646
CC7646-540ACCE-031286

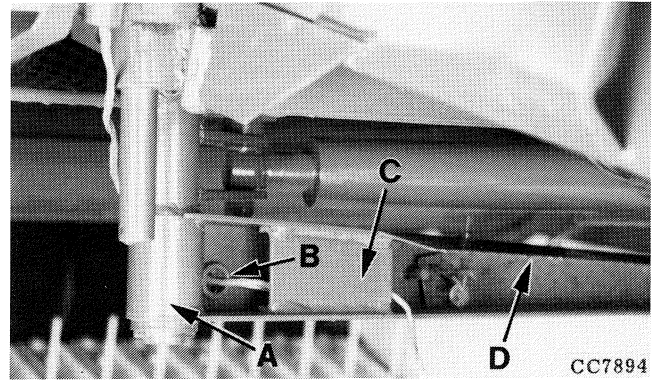
Route twine through guides (A).



CC7893
CC7893-540ACCE-031286

Preparing the Baler

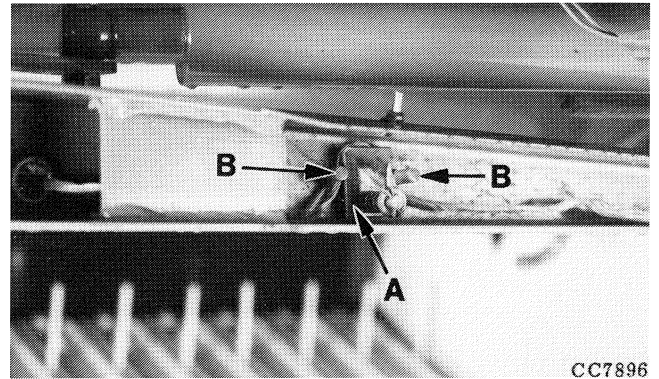
Open twine arm cover (D). Pass twine behind twine arm (A), route it through eyelet (B) and behind plate (C).



CC7894

CC7894-540ACCE-031286

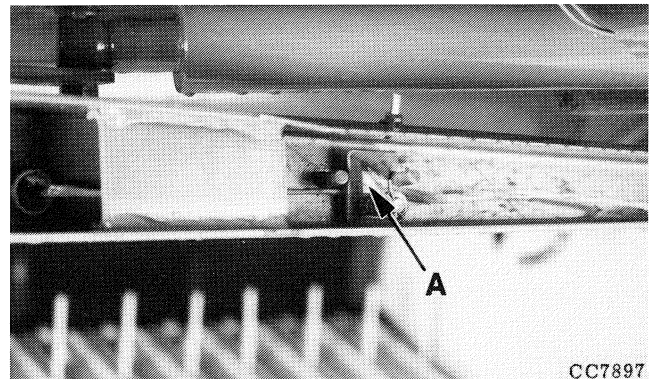
Route twine behind tension plate (A) and under studs (B).



CC7896

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Pull on twine from both sides of tension plate (A) to get twine under the plate.

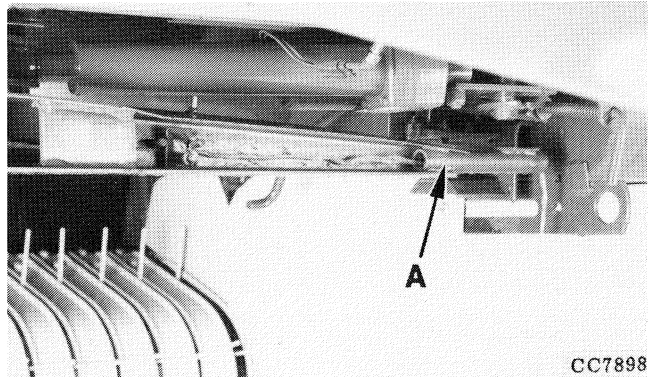


CC7897

CC7897-540ACCE-031286

Thread twine through twine arm (A). There must be 300 mm (12 in.) of twine exposed from end of twine arm.

Close twine arm cover.



CC7898

CC7898-540ACCE-031286

TIRE INFLATION

10.0/80 x 12 (6 PR) 207 kPa (2.1 bar; 30 psi)

PREPPRES-540ACCE-031286

Attaching and Detaching

ATTACHING BALER TO 540 RPM PTO



CAUTION: Never operate 540 rpm baler with 1000 rpm PTO.

The baler can be attached to any tractor equipped with a drawbar or trailer hitch and a 540 rpm PTO.

If the baler must be run with a 1000 rpm PTO tractor, see your JOHN DEERE dealer.

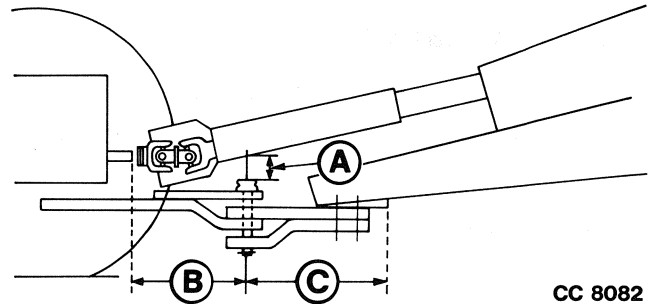
ATTACHOM-545ACCE-281186

ATTACHING BALER TO DRAWBAR

Adjust baler hitch clevis and tractor drawbar to obtain dimensions (A), (B) and (C) as shown.

- A-75 mm (3 in.)
- B-350 mm (14 in.)
- C-430 mm (17 in.)

NOTE: Balers are delivered from the factory with tongue positioned for hitching to drawbar.



CC8082-545ACCE-281186

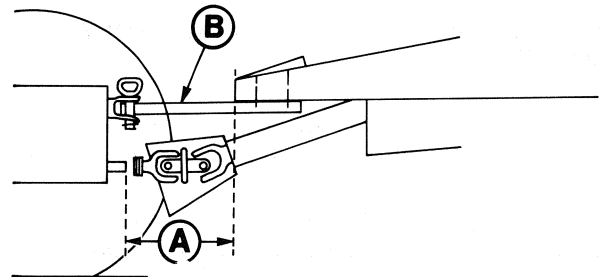
ATTACHING BALER TO TRACTOR TRAILER HITCH

Clearance between ground and baler tongue can be increased by this hitching method. This is particularly convenient when baling very thick windrows.

An adapting kit is available from your JOHN DEERE dealer to reverse the tongue position.

Adjust ball joint hitch (B) to obtain a minimum distance (A) of 300 mm (12 in.) between end of tractor PTO and tip of tongue.

- A-300 mm (12 in.)
minimum
- B-Ball joint hitch

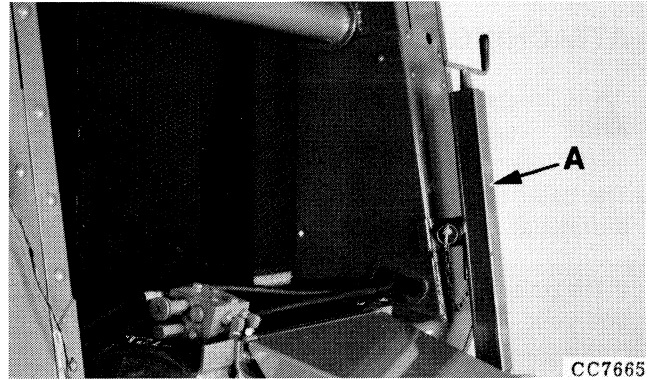


CC 8083

CC8083-545ACCE-281186

STORING JACKSTAND

After hitching to tractor, secure jackstand (A) in storage position as shown.



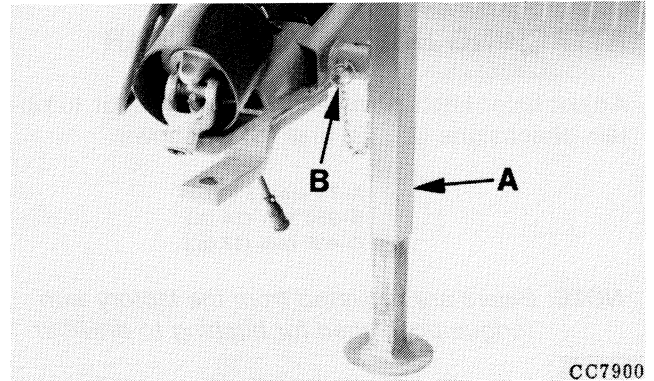
CC7665

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USING JACKSTAND

When unhitching tractor from baler, remove jackstand from storage position and place it in vertical position (A).

Secure to tongue with pin and quick-lock pin (B).



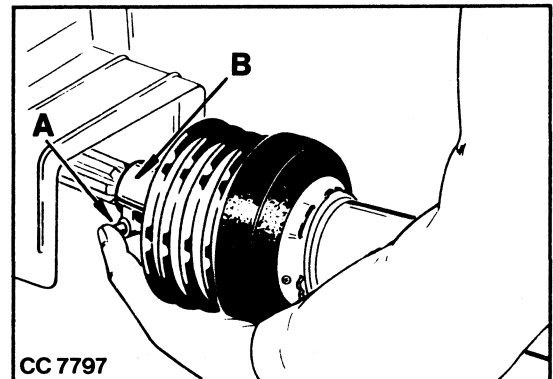
CC7900

CC7900-540ACCE-031286

CONNECTING AND DISCONNECTING HOOKUP

Press pin (A) and simultaneously push telescoping shaft (B) onto tractor PTO until pin engages.

Disconnecting: Press pin (A) and simultaneously hold telescoping shaft (B) at guard tube. Retract shaft from tractor PTO.



CC 7797

CC7797-540ACCE-031286



CAUTION: Always stay clear of PTO when it is running.

Before starting work, make sure all locks are securely engaged and safety chains are attached.

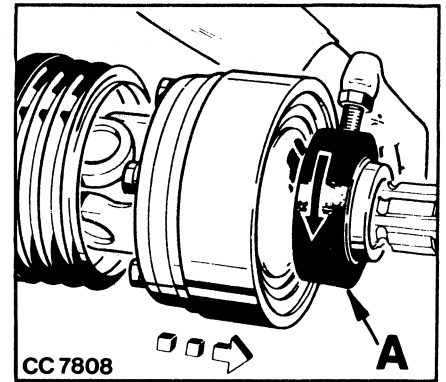
Reinstall PTO shields which have been removed to attach hookup.

Immediately replace any damaged plastic hookup shields.

ATTACHOM-545BCCE-281186

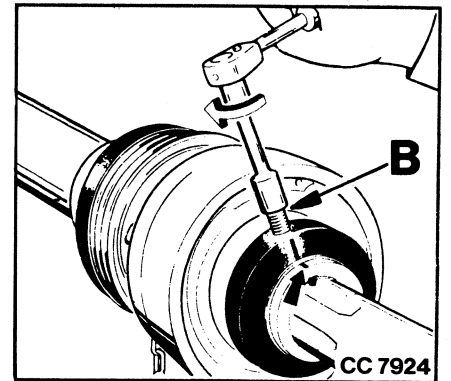
CONNECTING HOOKUP TO GEAR CASE INPUT SHAFT

Turn lock ring (A) and simultaneously push telescoping shaft onto input shaft until lock engages.



CC7808-545ACCE-281186

Tighten screw (B) on clamp key (marked) to 50 Nm (35 ft-lb) torque.

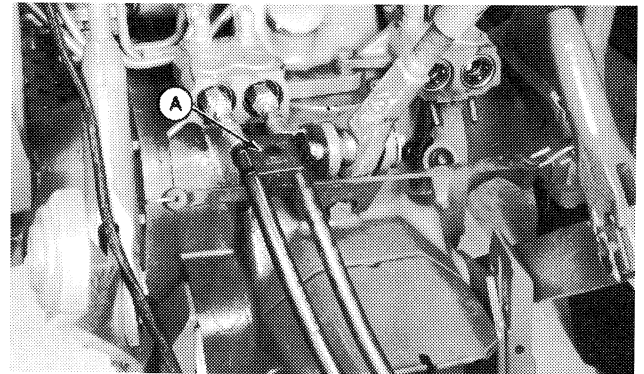


CC7924-545ACCE-281186

ATTACHING TO TRACTOR HYDRAULIC SYSTEM

ISO hydraulic couplers are standard with the baler. If they do not fit the tractor, see your JOHN DEERE dealer.

1. Identify which hydraulic receptacle is pressurized when tractor hydraulic lever is moved rearward.
2. Connect hose with cylinder extension symbol on identification tag (A) to this receptacle.
3. Connect remaining hose.



E21606-530ADIE-000382

CONNECTING ELECTRIC CYLINDER CONTROL BOX TO TRACTOR

Connect the positive wire of the electric cylinder control box to the positive strap of the tractor battery or to the wire connecting the tractor battery with the starting motor.

Connect the ground wire of the electric cylinder control box to the negative strap of the tractor battery.

NOTE: An amperage of 30 A is required for an efficient functioning of the electric cylinder.

ATTACHOM-540ACCE-031286

Transporting

RECOMMENDED WARNING LIGHTS



CAUTION: Use of flashing warning lights and turn signals are recommended when towing this equipment on public roads. An implement safety lighting kit is available from your JOHN DEERE dealer.

TRANSPOM-550ACCE-030285

PREPARING FOR TRANSPORT

Close gate, raise pickup and converging wheels, if equipped.

IMPORTANT: Do not make sharp turns when transporting baler. Damage could result if tongue strikes tractor tire.



CAUTION: Use care when towing baler at transport speeds. Reduce speed if the combined weight of baler with bale exceeds weight of tractor.

When transporting baler at higher speeds, a rocking motion may occur. Reduce speed until rocking stops.

Do not tow baler at a speed exceeding 25 km/h (16 mph).

Baler must be empty when transporting it on roads.

TRANSPOM-545ACCE-281186

Operating the Baler

CROP PREPARATION

Make windrows either:

- a. Not more than one half the width of pickup.
- b. The full width of pickup to eliminate weaving.

To prevent spoilage, do not bale until the hay could be baled with a square baler.

UTILISOM-545ACCE-281186

BALING SHORT, DRY, SLICK CROPS



CAUTION: DO NOT TAKE CHANCES! To avoid injury or death from 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.

To reduce plugging, try one or more of the following techniques:

Raise pickup as high as practical.

Reduce engine speed to 1500 rpm and shift to higher gear.

Reduce bale density as necessary.

Make larger windrows (rake together as necessary).

IMPORTANT: Under these conditions the silage attachment (if equipped) must be removed.

UTILISOM-540ACCE-031286

BALING CORNSTALKS

Cut stalks prior to baling to improve pickup tooth life.

Do not rake more than six rows together or plugging may occur at the pickup area. Higher productivity can be obtained by baling smaller windrows at faster ground speeds.

Increase feed opening by lowering pickup as low as practical.

Replace missing pickup teeth.

UTILISOM-540BCCE-031286

BALING SILAGE

Silage baling will very often require the installation of the silage adapting bundle (see "Installing Silage Equipment").

IMPORTANT: When baling silage in short and very damp crop and bales are not perfectly cylindrical, it is recommended to install the "Torsion Bar" bundle on upper tension arm.

When baling silage, the bottom side of the windrow is generally very damp. This dampness reduces the "gripability" of the crop on the belts and this may disturb the starting process of the bale.

To solve this problem, proceed as follows:

Always start the bale with the pickup centered on the windrow.

Reduce the tractor engine speed to low idle before entering the windrow. Select a gear ratio which will give 6 to 10 km/h (4 to 6 mph) at rated PTO speed.

Do not stop forward travel for at least 2 to 3 m (80 to 120 in.) once you have entered the crop, as this is the critical moment when more material is needed to force the bale to start.

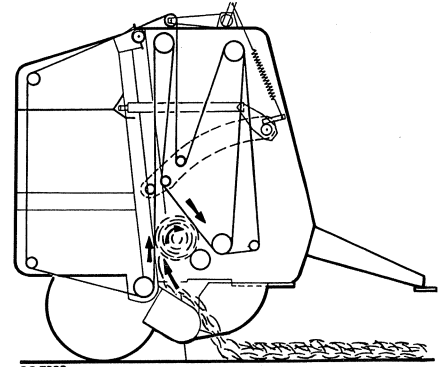
Operate the pickup in the lowest position.

To ensure a smooth feeding, make sure tractor drawbar does not catch or disturb windrow (See "Using Drawbar Shield").

NOTE: Check for crop accumulation near bearings and clean baler at the end of each day to prevent corrosion damage to bearings.

HOW THE BALER FORMS A BALE

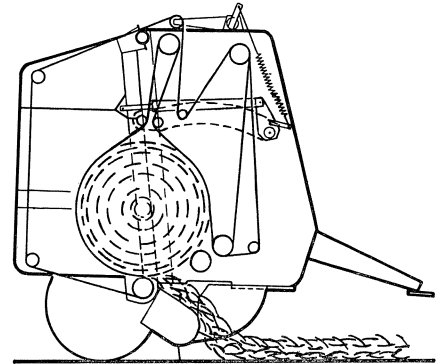
Starting the bale.



CC 7222

CC7222-545ACCE-030285

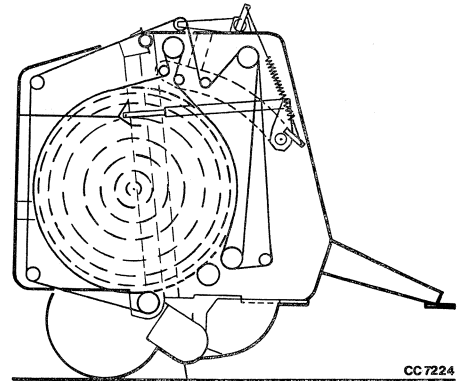
Forming the bale.



CC 7223

CC7223-545ACCE-030285

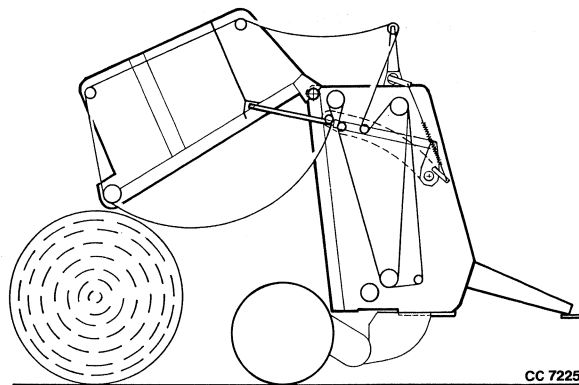
Completed bale.



CC 7224

CC7224-545ACCE-030285

Discharging the bale.



CC7225-545ACCE-030285

BREAK-IN PERIOD

IMPORTANT: Belt and drive loads increase as bale size approaches maximum diameter. Frequent forming of oversize bales can lead to premature failures.

Consider period of approximately first fifty bales as the break-in period, i.e. until paint inside bale chamber has worn off.

Before operation, lubricate telescoping members of PTO hook-up liberally.

UTILISOM-545CCCE-030285

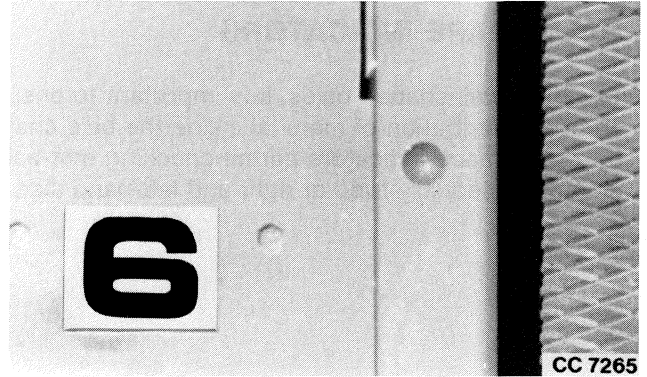
FORMING A BALE



CAUTION: DO NOT TAKE CHANCES ! 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.



Operate tractor at rated PTO speed.

Move selective control valve lever to close gate. Hold in this position until upper tension arm is completely lowered. Shift lever to neutral.

Engage PTO.

Check that cypher (from 3 to 6) corresponding to the selected bale diameter appears in the bale size window. Never exceed "6", otherwise the bale will be oversized.

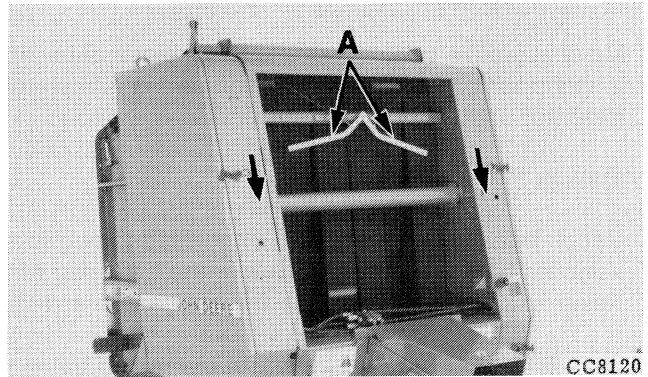
IMPORTANT: Frequent baling of oversized bales will damage the baler.

BALE SHAPE INDICATORS

To obtain well shaped bales, it is important to ensure an even distribution of material inside the bale chamber. Bale shape indicators permit checking that bale chamber is equally filled at right and left-hand side.

UTILISOM-540DCCE-031286

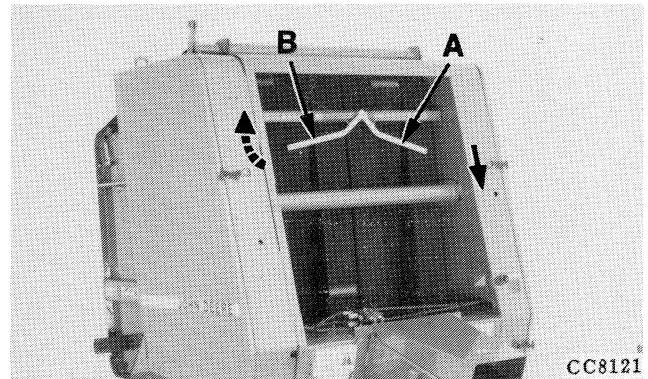
When baler is empty, bale shape indicators (A) are in downward position (see illustration).



CC8120-540ACCE-031286

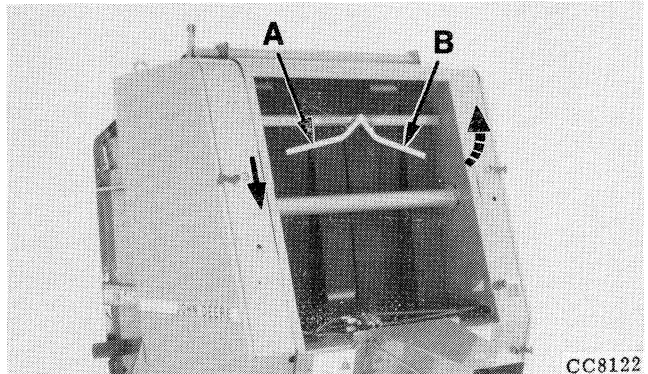
If left-hand bale shape indicator (A) remains in the down position while right-hand indicator (B) has risen to nearly horizontal position, the baler is underfed at the left-hand side. Weave to the right over windrow to bring more material to left-hand side of pick-up.

NOTE: The weaving from side to side has to be done quickly to avoid feeding too much material in center of pick-up, which would result in barrel shaped bales.



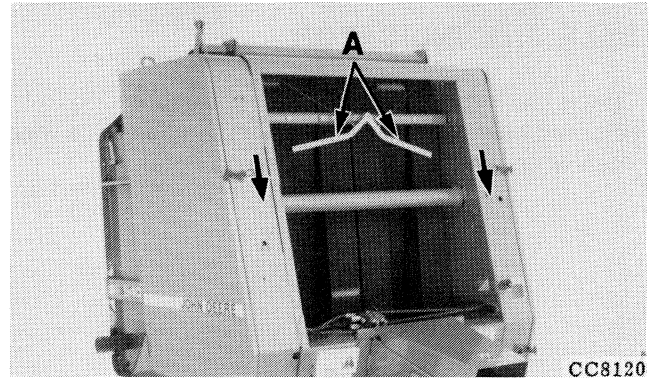
CC8121-540ACCE-031286

If right-hand bale shape indicator (A) remains in the down position while left-hand indicator (B) has risen to nearly horizontal position, the baler is underfed at the right-hand side. Weave to the left over windrow to bring more material to right-hand side of pick-up.



CC8122-540ACCE-031286

When both bale shape indicators (A) remain in down position while crop is being fed into bale chamber, center of bale chamber is overfed, resulting in a barrel-shaped bale.



CC8120

CC8120-540BCE-031286

ELECTRONIC BALE MONITOR

The electronic bale monitor (A) allows a programmed or manual bale tying mode.

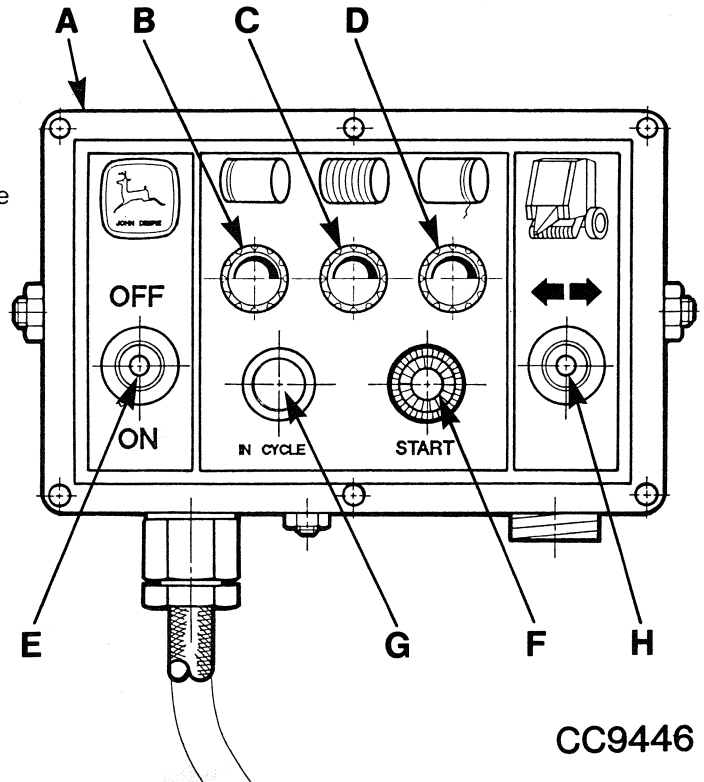
1. Programmed tying mode = Select tying time sequence (twine distribution) by adjusting potentiometers (B) for right-hand side twine distribution, (C) for the middle and (D) for the left-hand side.

Turn potentiometers clockwise to get more twine coils around the bale. Switch ON toggle switch (E) then form bale as described under "Forming a Bale".

When selected bale diameter is reached, push "START" button (F) to activate programmed tying mode.

2. Manual tying mode = Switch ON toggle switch (E), then form bale as described under "Forming a Bale". When the selected bale diameter is reached, trip twine wrapping cycle by means of control switch (H), referring to the information given under "Wrapping Bale".

NOTE: During tying time (programmed and manual), red "IN CYCLE" light (G) glows continuously.



CC9446

IMPORTANT: Monitor is protected by circuit breaker.

If control switch (H) is actuated with the cylinder fully extended or fully retracted, circuit breaker will trip and "IN CYCLE" light (G) goes off. In this case, wait a few seconds for the breaker to cool down and then reset by switching OFF and ON again.

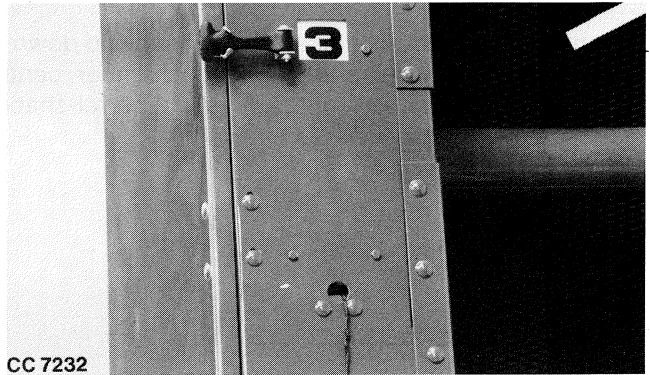
A—Electronic bale monitor
B—L-H side twine distribution potentiometer
C—Middle twine distribution potentiometer

D—R-H side twine distribution potentiometer
E—ON - OFF switch
F—"START" button
G—"IN CYCLE" light
H—Manual control switch

CC9446-540ACCE-011089

BALE SIZE INDICATOR

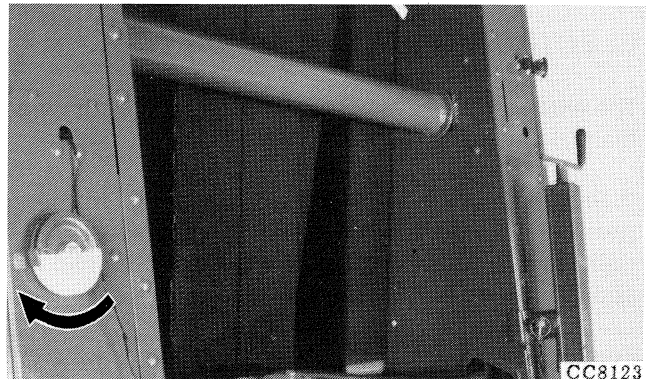
Check that cypher (from 3 to 6) corresponding to the selected bale diameter appears in the bale size window. Then wrap the bale (see "Wrapping Bale").



CC7232-540ACCE-031286

TWINE WRAPPING INDICATOR (Option)

This attachment indicates, that twine is unwinding normally during twine wrapping cycle.



CC8123-540ACCE-031286

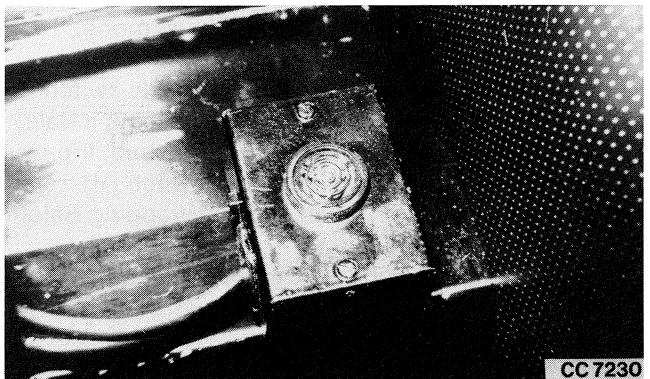
SOUND ALARM (Option)

The sound alarm alerts the operator in two cases:

- When gate is not correctly closed.
- When bale has reached maximum permissible diameter (oversize).

If sound alarm is heard while baler is empty, the gate is not correctly closed (see "Forming a Bale").

If sound alarm is heard when bale has reached the maximum permissible diameter (oversize), stop forward travel of tractor, back up tractor 2 to 3 m (8 to 10 ft.) and wrap bale.



CC7230-540ACCE-031286

WRAPPING BALE

When cypher (from 3 to 6) corresponding to the selected bale diameter appears in the bale size window, stop forward travel of tractor. Do not disengage PTO.

NOTE: Never exceed cypher "6" otherwise the bale will be oversized.

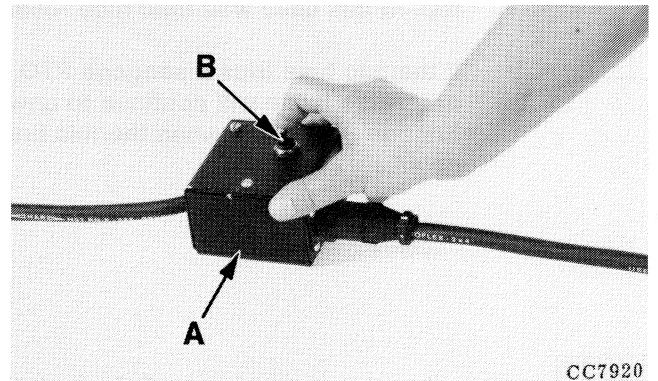


CC 7240

CC7240-540ACCE-031286

If baler is not equipped with a discharging ramp, back up baler 2 to 3 m (8 to 10 ft.). This is not necessary on balers with discharging ramp.

Using control box (A), trip twine wrapping cycle by means of switch (B). The twine arm will move to the extreme right-hand position.

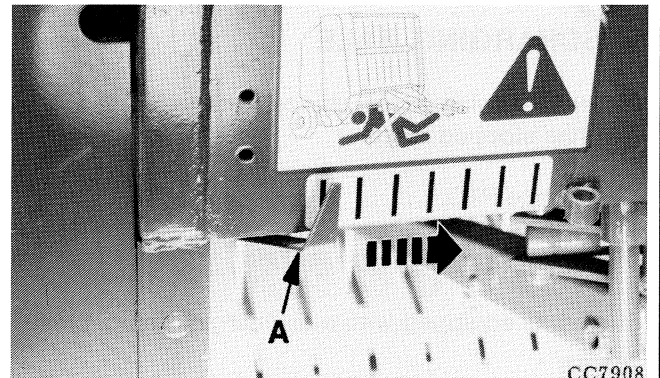


CC7920

CC7920-540ACCE-031286

By means of the switch keep the twine arm in the extreme right-hand position for some seconds to ensure a sufficient number of twine coils at the right end of the bale. This will ensure a stronger wrapping.

Bring back twine arm to "home" position by means of switch. Stop the return movement several times to ensure a sufficient number of twine coils around the bale. The return movement can easily be controlled by means of the twine arm indicator (A), which shows the position of the twine arm.



CC7908

A—Twine arm indicator in extreme right hand position

CC7908-540ACCE-031286

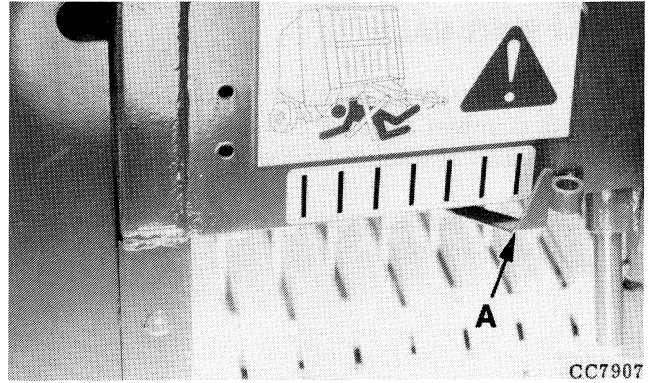
Just before the twine arm indicator reaches "home" position (A), stop twine arm for a few seconds to ensure a sufficient number of twine coils around left end of bale.

Let twine arm finish its movement and trip twine cutter linkage.

A-Twine arm indicator in "home" position

IMPORTANT: The electric cylinder motor is protected by a thermic fuse. If control switch is actuated when cylinder is fully extended or fully retracted, the thermic fuse will trip. In this case wait until fuse resets.

If thermic fuse trips disengage PTO, otherwise twine will continue to unwind. Engage PTO again when thermic fuse resets.



CC7907-540ACCE-031286

DISCHARGING BALE

To ensure twine is cut, glance back to see that sheave (A) has stopped rotating.

Disengage PTO.

Raise gate.

If baler is equipped with a discharging ramp, close gate.

If baler is not equipped with a discharging ramp drive forward to clear bale and close gate.

UTILISOM-540ECCE-031286

WRAPPING A SMALL BALE

A small bale can be wrapped at any time before it has reached its selected diameter.

See "Wrapping Bale"

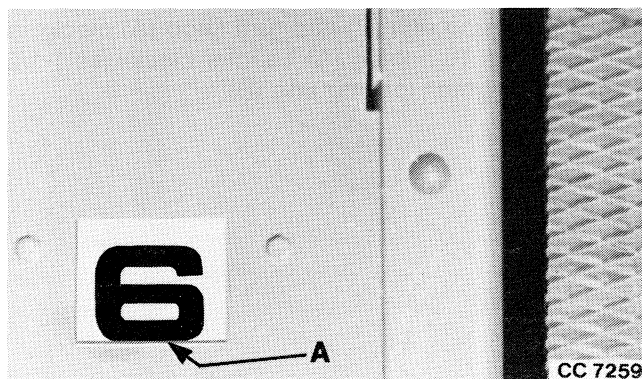
UTILISOM-540OMP-281186

WRAPPING AN OVERSIZE BALE

When cypher "6" is flush with the bottom (A) of bale size window an oversize bale will result.

Stop forward travel and wrap bale immediately (see "Wrapping Bale").

IMPORTANT: Frequent baling of oversized bales will damage the baler.



CC7259-540BCCE-031286

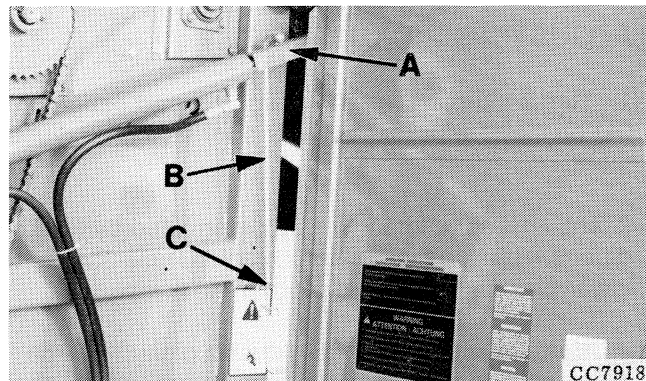
GATE LOCKING DEVICE

The gate locking device (A) prevents any accidental lowering of gate when servicing inside the baler.



CAUTION: When working inside or around the baler with an open gate, the gate locking device (A) must be moved to the locked position. Use this safety feature any time the gate is open. Close the gate any time the baler must be left unattended.

A—Gate locking device in locked position
B—Locking device control lever
C—Securing pin



CC7918-540ACCE-031286

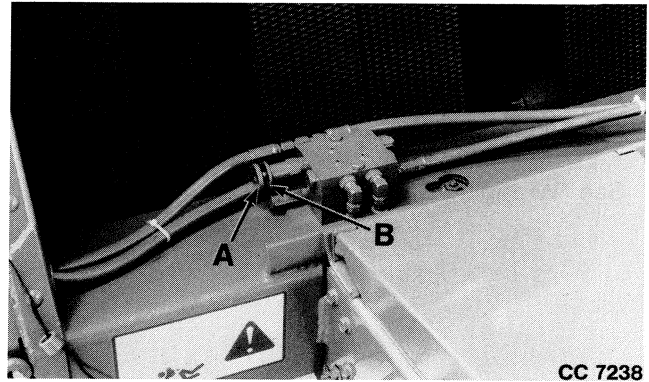
ADJUSTING BALE DENSITY (Option)

NOTE: To adjust bale density, close gate and lower belt tension arm. This will allow bale density knob (A) to be turned more easily.

To obtain maximum bale density, loosen locking ring (B) and turn knob (A) clockwise until seated. If less compact bales are required, turn knob counter-clockwise (maximum four turns from seated position). Tighten locking ring (B).

For initial adjustment on a new baler:

Loosen locking ring (B) and turn knob (A) clockwise until seated. Turn knob (A) counter-clockwise 1-1/2 turns and tighten locking ring (B).



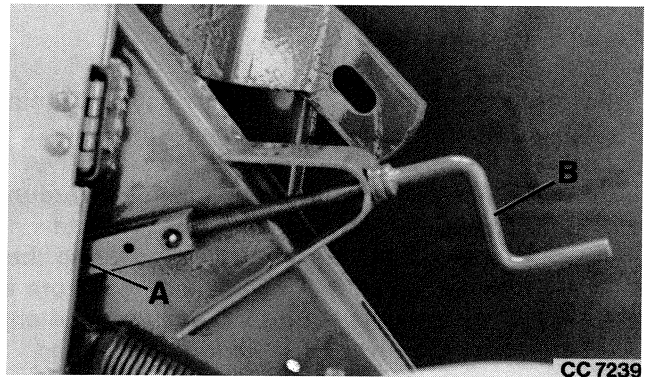
CC 7238

CC7238-540ACCE-031286

ADJUSTING PICKUP HEIGHT

1. Turn pickup crank (B) to align second gauge hole (A) on clevis with rear edge of door as initial adjustment.
2. The final adjustment will be determined by field conditions. To raise pickup, turn crank (B) clockwise; to lower pickup, turn crank counter-clockwise.

If baler is equipped with a hydraulic pickup lift, the crank acts as the downstop, controlling pickup operating height. This feature allows pickup to return to same operating height after raising and lowering.



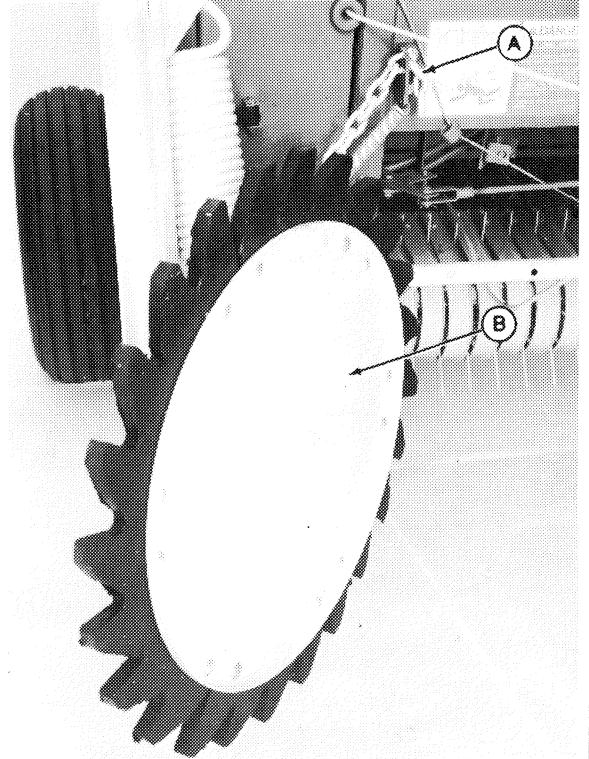
CC 7239

CC7239-545ACCE-030285

ADJUSTING CONVERGING WHEEL HEIGHT

1. Remove chain (A) from chain anchor support and lower wheel (B) to ground.
2. Raise chain (A) one link and install back in chain anchor support. Wheel should be approximately 25 mm (1 in.) from the ground.

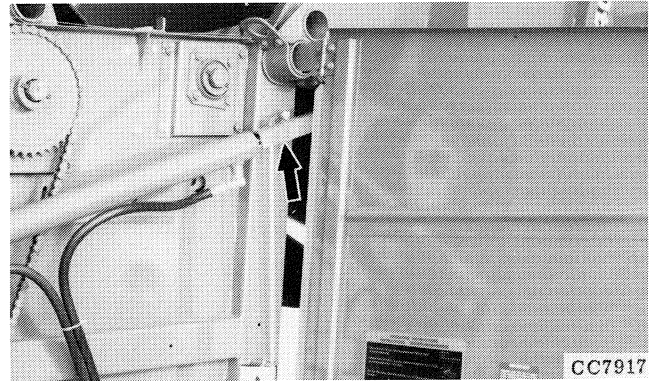
NOTE: This is an initial setting. Final adjustment will be determined by field conditions. The converging wheel should never be in heavy contact with the ground.



E21636-530OMAE-030285

UNPLUGGING BALER

1. Open gate.
2. Lock gate in "open" position.
3. Shut off tractor engine.
4. Remove bale core from bale chamber.
5. Unplug pickup by pushing crowded material with foot from inside the machine.
6. Make a new windrow with bale core removed at step "4" and bale it.

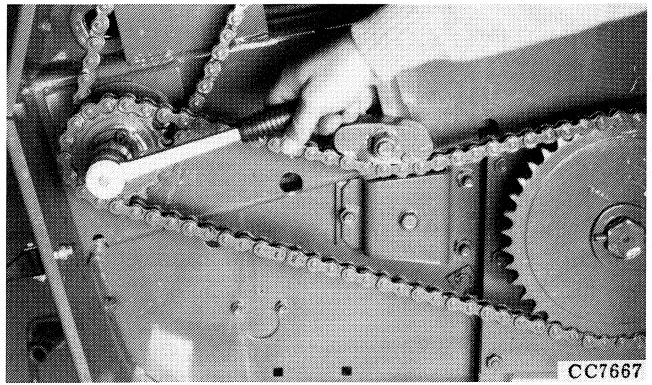


CC7917-540BCCE-031286

ROTATING BALER BY HAND

Never use any type of tool or spanner on shaft while tractor engine is running. Always remove tool from shaft as soon as you have finished using it.

A spanner can be positioned on gear case output shaft of baler if it is necessary to rotate baler by hand.



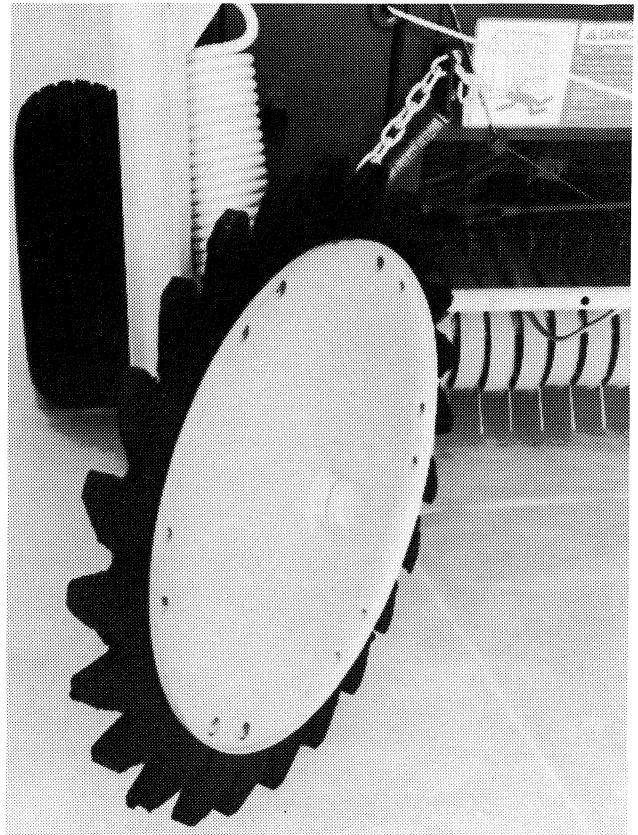
CC7667-540BCCE-031286

Attachments

CONVERGING WHEELS

These wheels are mounted on each side of baler in front of the pickup.

Converging wheels aid in handling wider windrows and reducing crop loss in uneven windrows. The wheels also have a special "breakaway" feature to eliminate damage from hitting obstructions.



E21643-530ATBE-030285

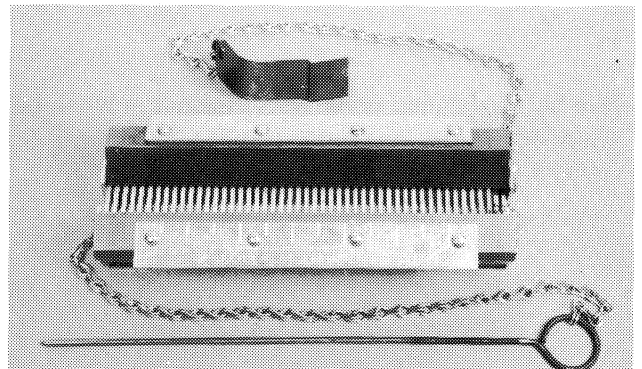
HYDRAULIC PICKUP LIFT

The hydraulic pickup lift enables control from the tractor seat. Hydraulic lines are attached to tractor hydraulic system.

ACCESSOM-545ACCE-281186

BELT LACING TOOL

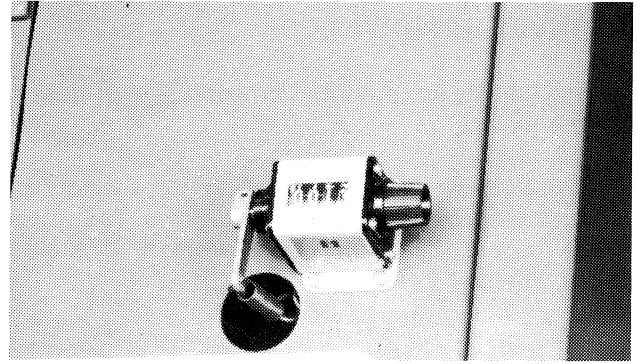
A belt lacing tool and hardware is available for repairing broken belts.



E21645-530ATIE-030285

BALE COUNTER

The Bale counter keeps a record of the number of bales.



E21646-530ATJE-000285

WARNING LIGHT KIT

When tractor warning lights are hidden by the baler, install warning light kit to alert operators of other vehicles.

ACCESSOM-550ACCE-030285

SILAGE ADAPTING BUNDLE

A silage adapting bundle permits baling of silage (see "Baling Silage" and "Installing Silage Equipment").

ACCESSOM-545FCCE-281186

TORSION BAR

This bar is installed on upper tension arm when baling silage in adverse conditions: short and very wet grass causing irregular feeding.

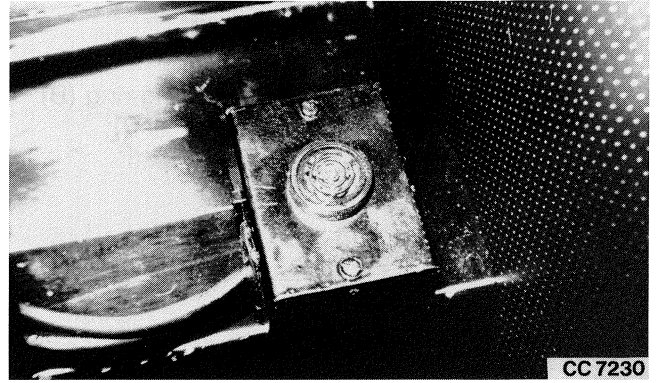
ACCESSOM-545ACCE-030285

SOUND ALARM

The sound alarm informs the operator:

- If gate is not closed when starting a bale.
- When a bale is oversized.

The sound alarm may be installed anywhere inside the tractor cab.



CC7230-540BCCE-031286

BALL JOINT HITCH

The ball joint hitch permits the use of two different size hitch pins. To change from 26.5 mm (1.04 in.) to 33 mm (1.3 in.) or vice versa, simply remove or install bushing. The ball joint hitch eliminates strain on hitch pin.

NOTE: The ball joint hitch must be attached to the swinging drawbar of the tractor.

ACCESSOM-540ACCE-031286

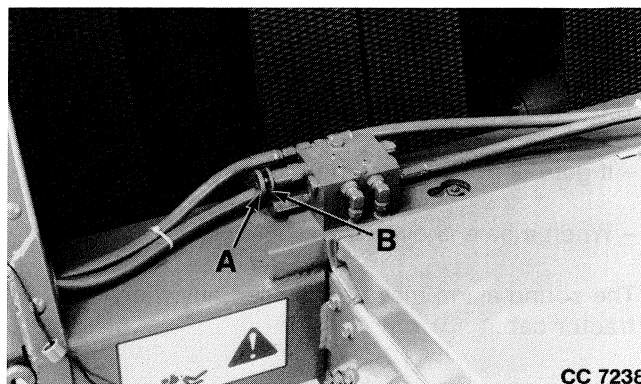
JACKSTAND EXTENSION AND BALL JOINT HITCH FOR REVERSIBLE TONGUE

To facilitate baling of very big windrows, clearance between ground and baler tongue may be increased. For this purpose a jackstand extension and ball joint hitch bundle is available, permitting to reverse the tongue.

ACCESSOM-545DCCE-281186

BALE DENSITY RELIEF VALVE

An adjustable relief valve (A) with locking ring (B) permits to adjust the bale density.



CC 7238

CC7238-540BCCE-031286

BALE DISCHARGING RAMP

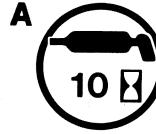
This ramp allows the operator to work without reversing for bale ejection. The rear gate will not interfere with the bale when closing it.

ACCESSOM-545ECCE-281186

Lubrication and Maintenance

OBSERVE LUBRICATION SYMBOLS

A – Lubricate with JOHN DEERE Multi-Purpose Lubricant or an equivalent SAE multipurpose-type grease at hourly intervals indicated on the symbols.



B – Lubricate with SAE 30 oil at hourly intervals indicated on the symbols.

CC 7196

CC7196-1340ACCE-030185



CAUTION: Do not attempt to clean, lubricate, or adjust machine while it is in motion.

IMPORTANT: The lubrication period recommended is based on normal conditions. Severe or unusual conditions may require more frequent lubrication or oil changes.

Perform each lubrication and service illustrated in this section.

Clean grease fittings before using grease gun. Replace any lost or broken fittings immediately. If a new fitting fails to take grease, remove and check for failure of adjoining parts.

GRAISSOM-1326BCCE-060284

ALTERNATIVE LUBRICANTS

Conditions in certain geographical areas may require special lubricants and lubrication practices which do not appear in this operator's manual. If you have any questions, consult your JOHN DEERE dealer to obtain the latest information and recommendations.

530LMCE-030285

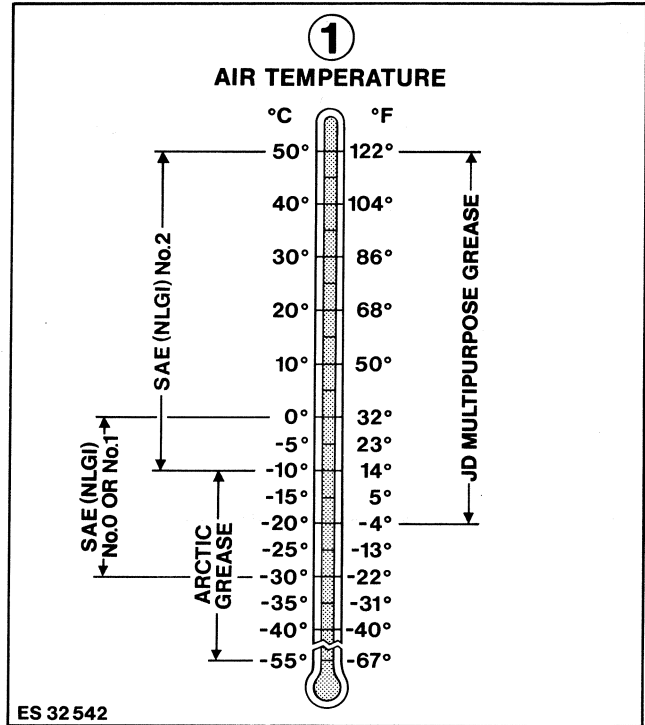
MULTIPURPOSE GREASE

Depending upon the expected air temperature range during the service interval, use grease as shown on the adjoining temperature chart.

JOHN DEERE Multipurpose Grease is recommended. If other greases are used, use:

- SAE Multipurpose Grease
- SAE Multipurpose Grease containing 3 to 5 % molybdenum disulfide.

At temperatures below -30°C (-22°F), use arctic greases such as those meeting Military Specifications MIL-G-10924C.



ES32542-550ACCE-030285

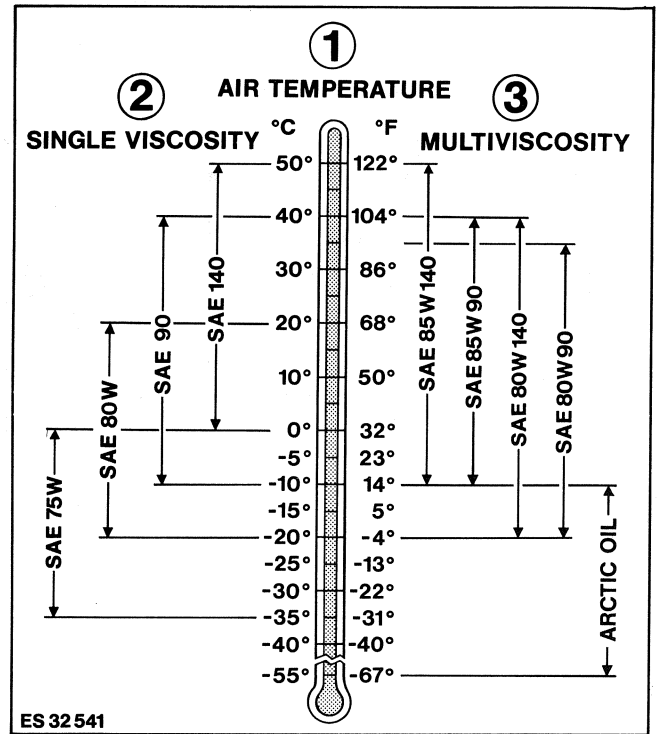
GEAR CASE OIL

Depending upon expected air temperature range during the drain interval, use oil viscosity shown in the temperature chart.

JOHN DEERE SAE 85W 140 API GL-5 Gear oil is recommended. If other oils are used, they must be oils meeting the following requirements:

- API Service Classification GL-5
- Military Specification MIL-L-2105B
- Military Specification MIL-L-2105C

At temperatures below -35°C (-31°F), use arctic oil (API CC/SC, MIL-L-10324A).



ES32541-550ACCE-030285

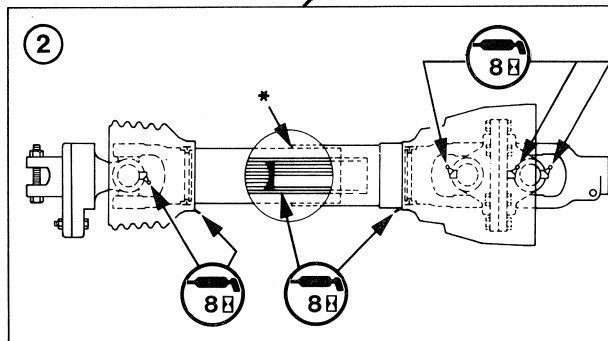
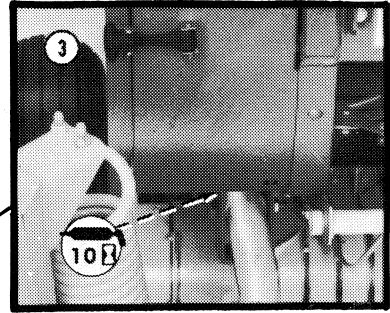
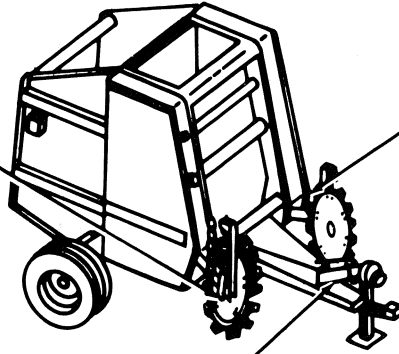
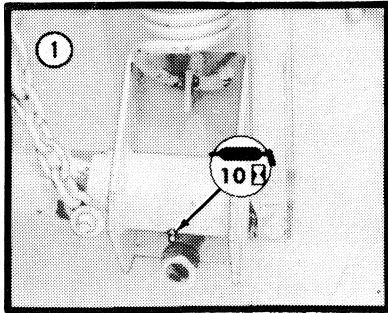
CHAINS

Liberal apply SAE 30 or heavier oil to chains every 10 hours of operation.

Lubricate chains immediately after operation when the chains are still warm. Let the machine stand idle for a short period to insure effective oil penetration, resulting in longer chain life.

530LMKE-030285

EVERY 8 OR 10 HOURS



CC 8124

1. Converging wheels

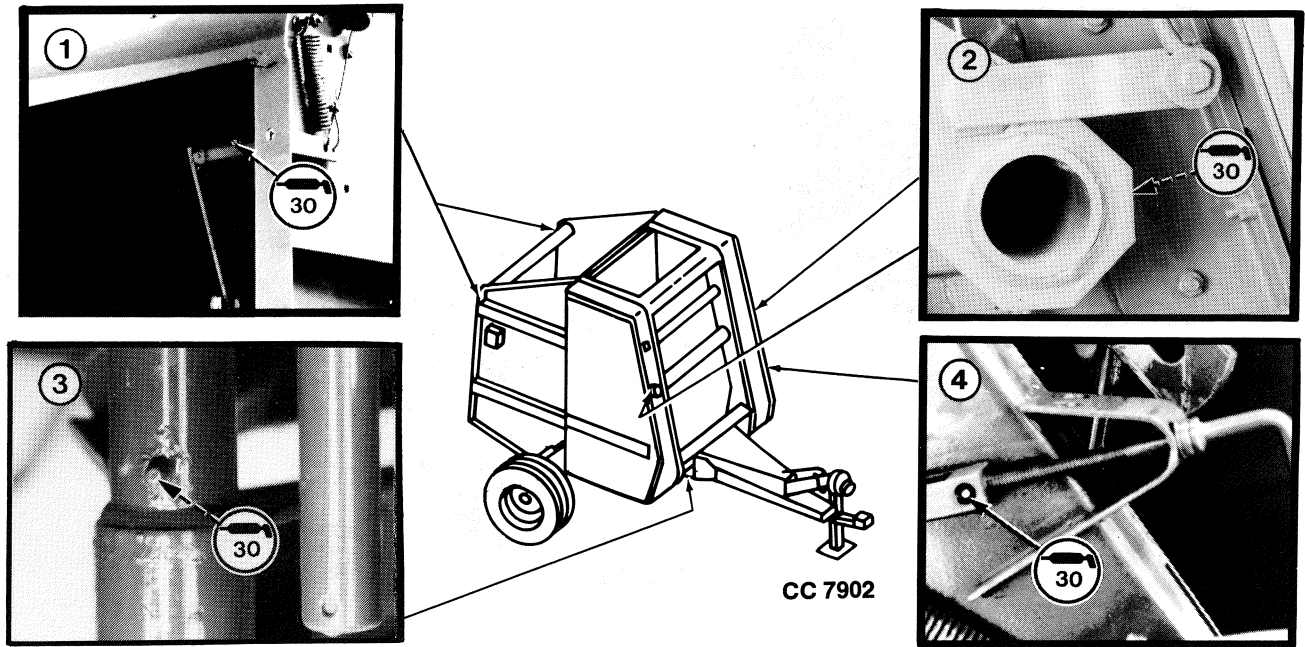
3. Wheel support pivot

2. Powerline

* Grease guard tubes in winter to prevent freezing

CC8124-540ACCE-031286

EVERY 30 HOURS



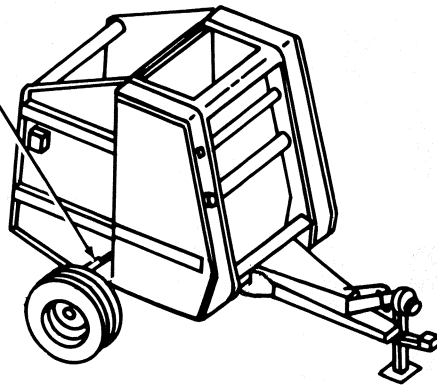
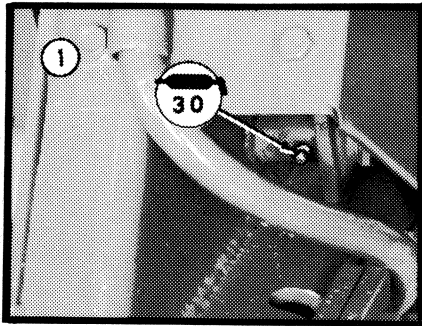
1. Bale shape sender arm

2. Belt tension arm (lubricate both sides)

3. Twine arm hub and gear hub

4. Pickup lift crank

EVERY 30 HOURS

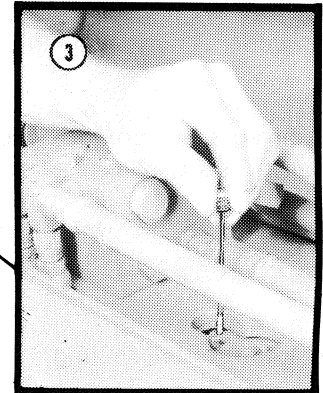
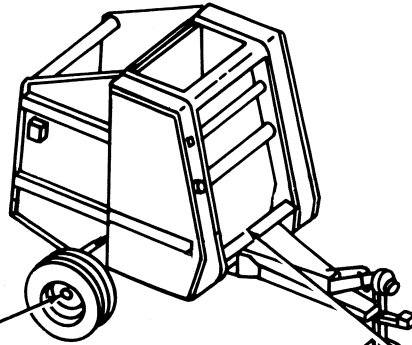
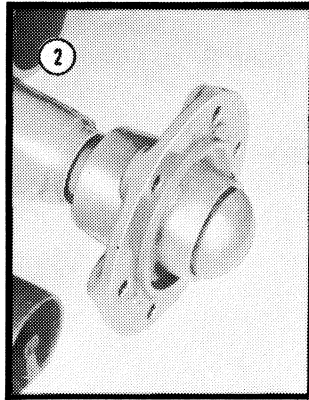


CC 8125

1. Pickup belt idler

CC8125-540ACCE-031286

ANNUALLY



CC 8126

2. Wheel Bearings

Remove wheels. Then clean, re-pack and adjust bearings. Use JOHN DEERE Multipurpose-Type Lubricant, or an equivalent SAE multipurpose-type grease, or wheel bearing grease. Retighten wheel nut to 400 ± 40 Nm.

IMPORTANT: Do not overfill gear case as this will result in overheating and oil leakage.

3. Gear Case

Check level of lubricant and refill as necessary using SAE 85-140 API GL-5 gear lubricant.

If filler cap head looks like a hexagonal socket screw ("Superior" gear case), refill with 0.65 l (0.17 U.S.gal.).

If filler cap head looks like a hexagonal cap screw ("Comer" gear case), refill with 1.3 l (0.34 U.S.gal.).

Change oil annually.

Trouble Shooting

TWINE WRAP

Twine arm moves too slow from left to right

Binding in linkage –
Find cause of binding and correct

Twine arm will not move

Wrong connection on electric cylinder –
Repair

Defective control box or switch –
Repair or replace as necessary

Twine too tight or twine breaks while wrapping

Twine routing wrong –
Check for correct routing

Bad twine, knots in twine, new ball with tight core, wet twine –
Pull out bad twine or replace twine

Wrong twine tension plate pin or springs –
Replace with correct parts

Twine too loose on bale

Broken or missing twine tension spring –
Replace spring

Wrong tension spring pin –
Replace pin

Worn twine tension plates –
Replace worn parts

Twine too close to edge of bale

Twine arm travel not properly adjusted –
Adjust twine arm travel

Barrel shaped bales –
Fill ends of bale by crowding windrow.
When weaving, move quickly from one side of windrow to the other

No twine on bale or twine not caught by bale

Twine from end of twine tube too short –
With tractor shut off, pull out twine until 300 mm (1 ft.) is exposed from end of twine arm

Twine tension too high –
See “Twine Too Tight or Twine Breaks While Wrapping”

Twine not fed in with crop –
Do not stop forward travel of tractor. Allow a few seconds for twine to be fed in with hay

Baler out of twine –
Add twine

Twine not cut

PTO disengaged before twine is cut –
Look at twine to see that it has stopped moving before disengaging PTO

Twine cutter out of adjustment –
Adjust twine cutter

Dull knife or uneven edge not making contact with anvil –
Sharpen or replace knife

Knife not parallel to anvil –
Position knife pivot shaft so knife gets in contact with anvil in the area where twine is cut

Obstruction causing twine not to be guided under knife –
Remove obstruction

Binding in twine arm or cutter linkage –
Repair or replace so that linkage operates freely

Incorrect twine routing or bad ball of twine causing high twine tension –
Correct cause of high tension

–

–

–

–

15-2

15-1

–

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–

–

50-16

30-7

15-3

45-1

–

15-1

–

50-16

–

50-11

–

–

15-1

SOUND ALARM DIFFICULTIES

Sound alarm functions while gate is closed

Oversize switch out of adjustment –
Adjust 50-12

Sound alarm functions with gate closed and machine empty

Gate switch out of adjustment –
Adjust 50-11

Sound alarm does not function

Low voltage –
Make sure minimum voltage is 12 V –

Defective sound alarm –
Replace sound alarm –

Poor connection or defective cable –
Repair –

Sound alarm does not function when gate is open, but functions in other cases

Defective gate switch or defective cable –
Repair –

Sound alarm does not function when gate is closed; bale has reached maximum diameter

Oversize switch not adjusted properly –
Adjust oversize switch 50-12

Defective oversize switch –
Replace oversize switch –

Defective cable –
Repair cable –

Erratic function of sound alarm

Switch(es) defective or cables shorted –
Repair –

FEEDING DIFFICULTIES

Baler will not feed hay plugged at feed opening

Large windrows and/or too fast ground speed –
Reduce windrow size and/or tractor ground speed

–

Missing pickup teeth –
Replace teeth

–

Gate opening while baling –
Repair leaking gate hydraulic cylinders

–

Check bale density adjustment (option) 30-13

Gate not closed –
Eject bale. Close gate

–

Bale density too high (option) –
Decrease density 30-13

Incorrect belt routing –
Route belts properly 50-18

Shear bolt sheared –
Replace shear bolt 50-17

Baler will not bale short, dry, slick crops –

PTO speed too fast –
Reduce PTO speed to 1500 rpm and shift to higher gear

–

Bale density too high (option) –
Decrease density

30-13

Pickup too low –
Raise pickup

30-13

Windrows too light –
Rake heavier windrows

–

Wet windrows (rained on several times) –
Rake heavier windrows

–

Baler will not feed cornstalks

Pickup too high –
Lower pickup 30-13

Windrows too large –
Rake smaller windrows

–

Missing or broken pickup teeth –
Replace teeth

–

PICKUP DIFFICULTIES

Pickup teeth do not revolve

Belt slipping –
Replace or tighten belt 50-15

Broken cam –
Check for failed or worn cam –

Pickup will not float or drop freely

Excess or insufficient float assist –
Adjust float springs 50-14

Binding at pivots –
Remove chaff and dirt. Make clearance between sliding parts –

Not picking up hay clean

Pickup teeth set too high –
Lower pickup 30-13

Pickup stays up –
Loosen float springs 50-14

Ground speed too fast –
Reduce ground speed –

Windrows too light –
Rake heavier windrows –

Pickup teeth bent or broken –
Straighten or replace teeth –

Pickup teeth digging in ground

Pickup set too low –
Raise pickup 30-13

Poor pickup floatation –
Tighten float springs. Check pivots 50-14

Pickup tooth breakage

Pickup set too low –
Raise pickup 30-13

Foreign material inside and/or broken teeth –
Remove material and/or teeth –

Baling cornstalks –
Raise pickup. Higher tooth breakage can be expected 30-13

Plugging at flares

Over-crowding ends –
Reduce crowding –

Pickup set too low –
Raise pickup 30-13

Tractor tires smashing crop into stubble –
Widen wheel tread 10-1

Inside of strippers worn

Strippers bent up hitting tooth coils –
Check for binding at flares –

Increase float 50-14
Raise pickup 30-13

BALE QUALITY

Cone shaped bales

Bale shape indicators out of adjustment –
Readjust to correct setting 50-13

Broken belt roller arm spring –
Replace spring –

Barrel shaped bales

Belt roller arms out of adjustment –
Adjust belt roller arms 50-13

Outer belts too short –
Correct belt length. Belts should have the
same length within 38 mm (1-1/2 in.). See
“Specifications” for correct belt length. 50-19

Baler will not make dense bales

Internal leak in belt tension hydraulic
cylinder –
See your JOHN DEERE dealer –

Dirty or defective relief valve –
See your JOHN DEERE dealer –

Bale ends not filled tightly –
Crowd more hay in ends of baler –

Density control (option) adjusted for light
bales –
Adjust for heavier bales 30-13

Bale forming belts too short –
Check length and correct 50-19

Baler will not make full size bale

Bale forming belts are too short –
Increase belt length to recommended length,
see “Specifications”. 50-19

GENERAL BALER DIFFICULTIES

Gate opens while baling

Bale density knob (option) too loose or tractor hydraulic system failure –
 Check bale density adjustment and position of tractor's selective control valve lever which must be in neutral position. Check tractor hydraulic system 30-13

Belts do not track properly

Lower rear gate roll out of adjustment –
 Adjust roll 50-9

Belts not routed correctly –
 See belt routing diagram and reroute belts 50-3

Twine or mud buildup on baler rolls –
 Remove buildup –

Belts not cut square when splicing –
 Resplice belt 50-19

Bale forming belts rubbing

Belt tension arm not fully down –
 Lower tension arm with tractor hydraulic lever –

Belts not routed correctly –
 See belt routing diagram and reroute 50-3

Starter roll wraps with hay

Ground speed and rpm too high when starting bale –
 Reduce rpm until bale core has formed –

Baling silage –
 See "Silage Equipment Difficulties" 45-8

Bale sticks in chamber

New baler –
 Reduce density until baler has made several bales to polish side sheets 30-13

Bale density (option) too high –
 Lower bale density at control valve 30-13

GENERAL BALER DIFFICULTIES

Bale density control knob (option) hard to turn

Locking ring locked against valve body –
 Unscrew locking ring before adjusting
 density control knob –

Dry threads on adjusting screw –
 Apply a few drops of oil or dry graphite
 lubricant on the threads –

Raised gate and/or belt tension arm creates
 additional turning force –
 Adjust with gate closed and belt tension arm
 down 30-13

Belt lacing failure

Belts are not the same length –
 Belts must be the same length within
 38 mm (1-1/2 in.) 50-19

Improper belt splice hooks or poor quality
 splice –
 See "Repairing Belts" 50-19

Crop accumulation on rolls or belt guides –
 Remove crop accumulation –

Belts slipping or not turning

Belt tension arm not returning all the way
 to tension belts –
 Check if tension arm tightens belts –

Belts too long –
 Cut belts to proper length –

Belts are wet on their smooth face and bales
 are not cylindrical –
 Install torsion bar 60-8

**Gate does not close completely
 (sound alarm functions)**

Obstruction between gate and frame –
 Remove obstruction –

Damage to belt diamond patterns

Material build-up causing belts to contact
 starter roll –
 See "Baling Short, Dry Slick Crops" and
 "Baling Silage" 30-1,30-3

Excessive shear bolt breakage

Tractor PTO engaged too fast –
 Engage tractor PTO slowly –
 Reduce tractor engine rpm while engaging PTO –

Wrong size or grade of shear bolt –
 Replace with recommended shear bolt 50-17

Hay wrapped on starter roll –
 Remove hay –

SILAGE EQUIPMENT DIFFICULTIES

Crop accumulation at starter roll

Scraper not adjusted properly –
Adjust scraper

60-6

Difficulties when starting a bale (wet crop due to rain)

Core does not start to turn –
Discharge the core and start to bale at the lowest rpm until the core starts turning (see “Baling Silage”)

30-3

Belt(s) slipping

Too heavy silage bales –
Reduce bale diameter

–

Bale when dry material content is 40 %

–

Belts are wet on their smooth face and bales are not cylindrical –
Install torsion bar

60-8

Crop accumulation at the staggering roll

Raise and lock the gate. Stop tractor engine and clean staggering roll

–

Plugging the baler by feeding a too large bunch of silage

Irregular windrows –
Discharge bale and clean inside of baler

30-14

Service

PRACTICE SAFETY



CAUTION: Before servicing or adjusting baler:

1. Disengage all power.
2. Shut off engine.
3. Wait until all moving parts have stopped.

530SVAE-030285

MOUNTING TIRES



CAUTION: Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job.

Have it done by your **JOHN DEERE** dealer or a qualified tire repair service. When sealing tire beads on rims, never exceed maximum inflation pressure specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

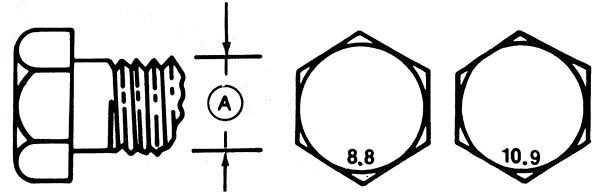
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BOLT TORQUE CHARTS

The tables shown below give correct torque values for various bolts and cap screws. Check tightness of bolts periodically, using bolt torque chart as a guide.

METRIC MEASUREMENT

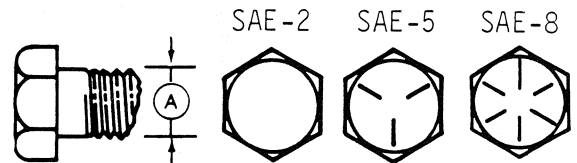
Bolt Diameter	Bolt Torque in Nm (ft-lb)			
	"A"	8.8		10.9
5 mm	6	(5)	9	(7)
6 mm	11	(9)	17	(13)
8 mm	28	(20)	40	(30)
10 mm	55	(40)	80	(59)
12 mm	95	(70)	140	(103)
16 mm	235	(173)	350	(258)
20 mm	475	(350)	675	(498)
24 mm	825	(608)	1170	(863)
30 mm	1630	(1201)	2320	(1712)



Replace hardware with the same strength bolt.

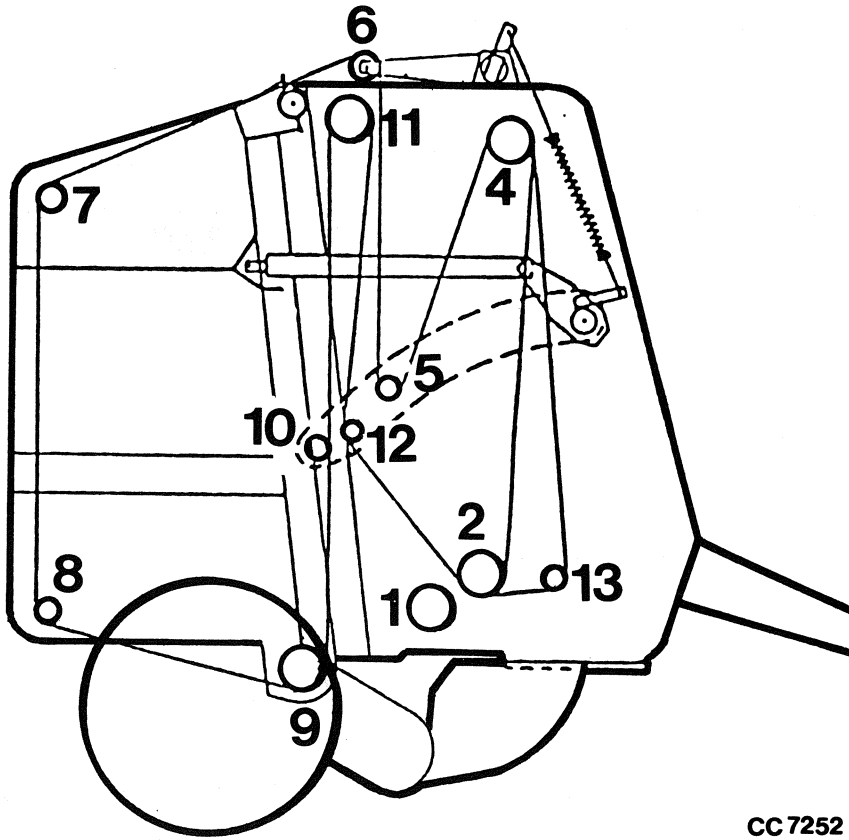
U.S. MEASUREMENT

Bolt Diameter	Bolt Torque in Nm (ft-lb)			
	"A"	SAE 2	SAE 5	SAE 8
1/4"	Not used		19 (14)	26 (19)
5/16"	Not used		37 (27)	56 (41)
3/8"	31 (23)		47 (35)	68 (50)
7/16"	47 (35)		75 (55)	108 (80)
1/2"	75 (55)		115 (85)	163 (120)
9/16"	102 (75)		176 (130)	237 (175)
5/8"	142 (105)		231 (170)	325 (240)
3/4"	217 (160)		407 (300)	576 (425)
7/8"	251 (185)		603 (445)	929 (685)
1"	339 (250)		910 (670)	1396 (1030)
1-1/4"	447 (330)		1235 (910)	1979 (1460)



NOTE: Bolts having lock nuts should be torqued to approximately 65% of amounts shown in above chart.

NUMBERING SYSTEM FOR BALER ROLLS



CC 7252

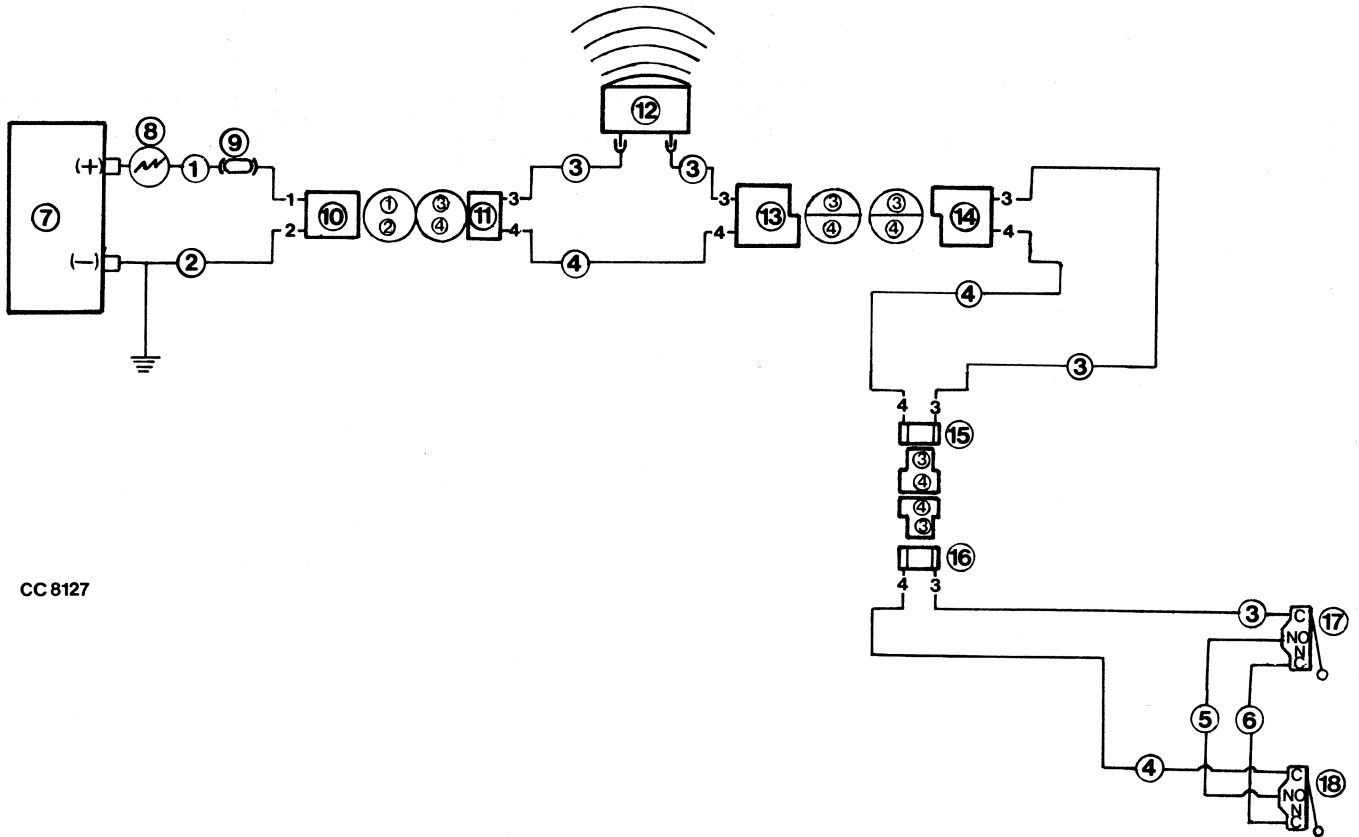
- 1-Starter roll
- 2-Lower belt drive roll
- 4-Upper belt drive roll
- 5-Front tension arm idler roll

- 6-Top arm roll
- 7-Upper rear gate roll
- 8-Lower rear gate roll
- 9-Lower gate roll

- 10-Rear tension arm idler roll
- 11-Top idler roll
- 12-Center tension arm idler roll
- 13-Belt staggering roll

NOTE: The numbers shown above must not be used when ordering roll replacement parts. Always refer to relevant parts catalog.

WIRING DIAGRAM – SOUND ALARM (Option)



CC 8127

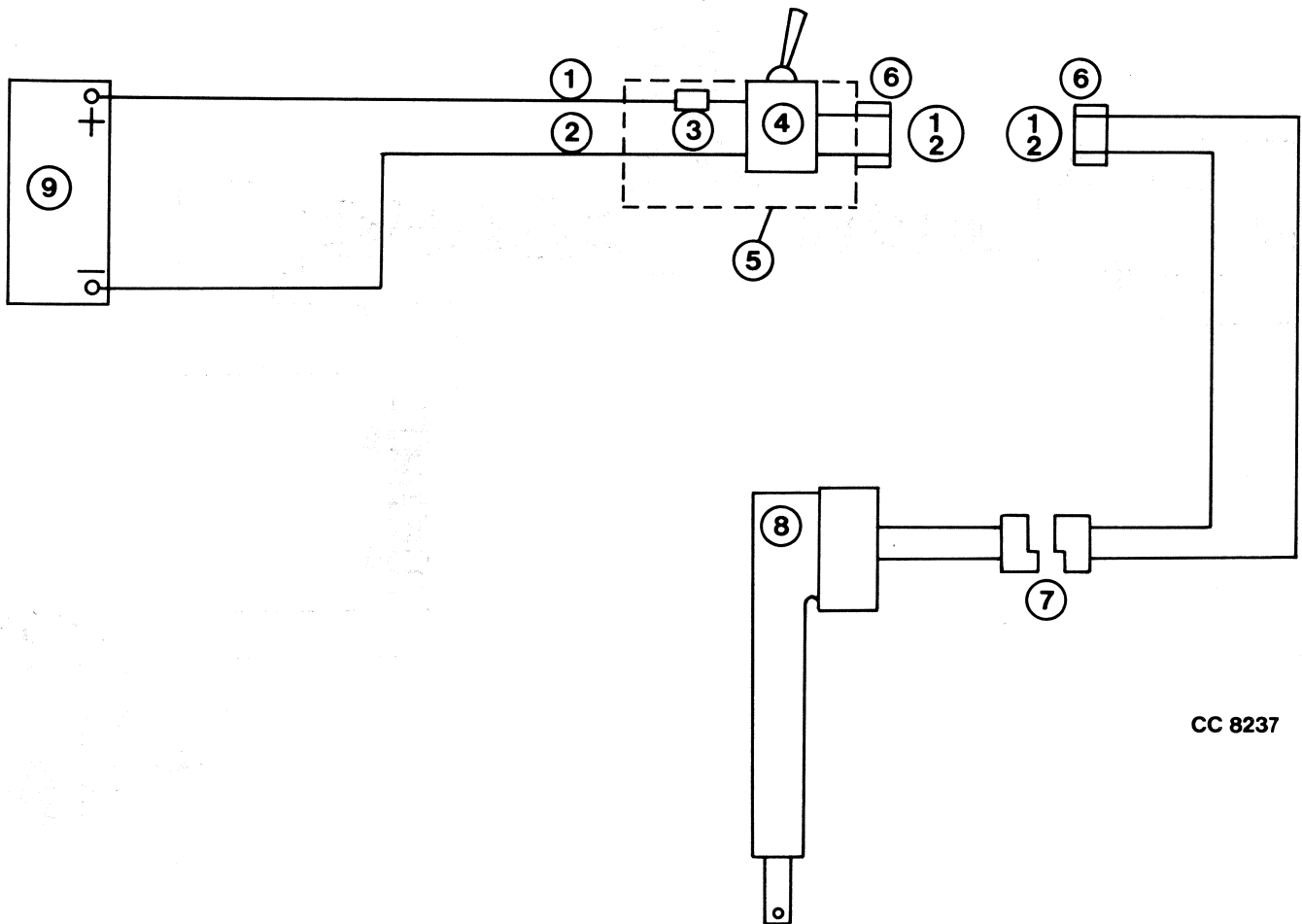
1-Red
2-Brown
3-Blue
4-Brown
5-Green
6-Black

7-Battery
8-Tractor switch
9-Circuit breaker
10-Tractor socket
11-Tractor plug

12-Sound alarm
13-Socket, tractor to baler
14-Plug, baler to tractor
15-Socket
16-Plug

17-Oversize switch
18-Gate switch
C- Common
NC-Normally closed
NO-Normally open

WIRING DIAGRAM - ELECTRIC CYLINDER

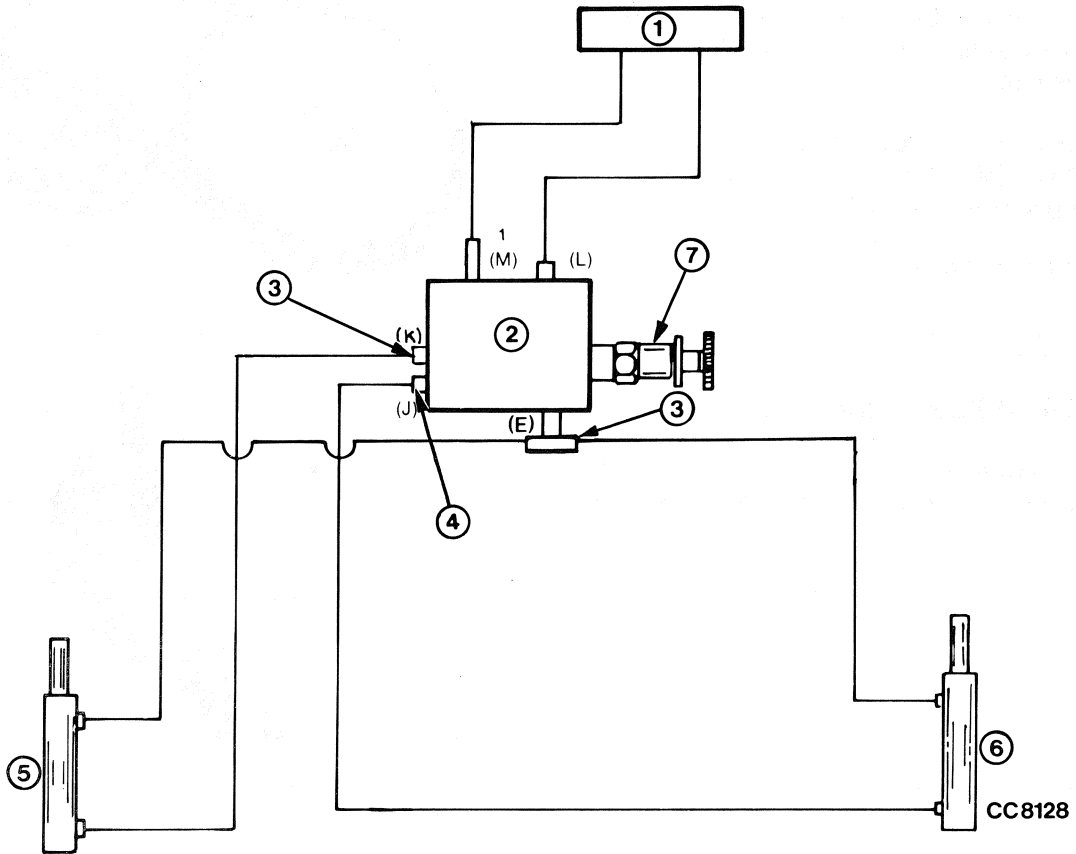


CC 8237

- 1-Red
- 2-Black
- 3-Thermic fuse
- 4-Toggle switch
- 5-Control box

- 6-Box plug
- 7-Cylinder plug
- 8-Electric cylinder
- 9-Battery

BALE TENSION AND GATE HYDRAULIC SYSTEM



1-Tractor outlet ports
2-Baie density control valve

3-Upper port
4-Lower port

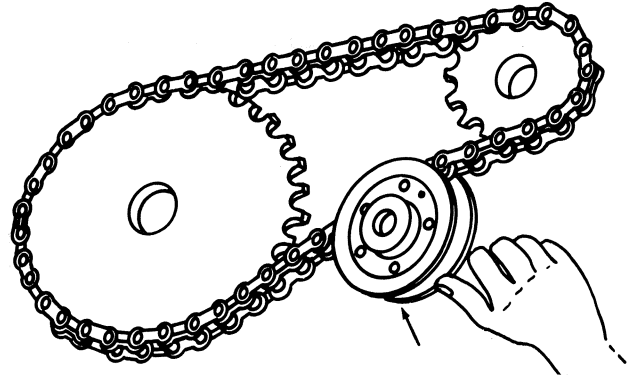
5-Cylinder
6-Cylinder
7-Adjusting valve (option)

ADJUSTING CHAINS

Adjust tension on all roller chains by loosening idler mounting bolts and pressing idler against chain with 22,6 to 44,1 N force.

Tighten lower drive roll chain plastic idler mounting cap screws to 81 Nm (60 ft-lb) torque. Tighten remaining idler mounting cap screws to 163 Nm (120 ft-lb) torque.

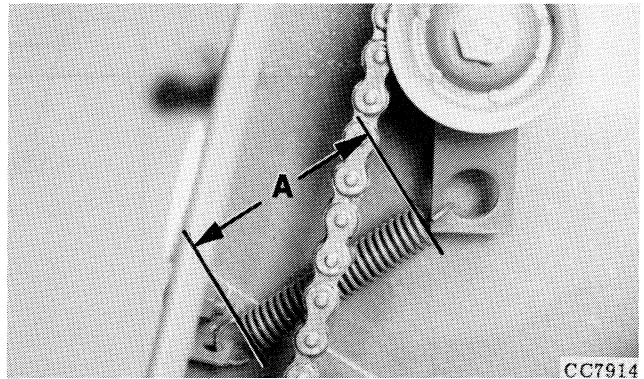
Readjust chain tension when necessary.



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ADJUSTING UPPER DRIVE ROLL CHAIN

If dimension between hooks on spring (A) is less than 140 mm (5-1/2 in.), remove one pitch from drive chain.



CC7914

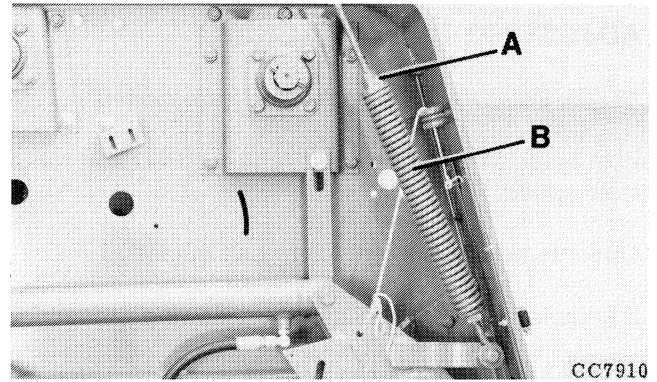
CC7914-540ACCE-031286

ADJUSTING UPPER ARM SPRING

NOTE: Baler must be empty and belt tension arm in down position.

Upper arm tension spring is located on right-hand side of baler.

1. Loosen lock nut (A).
2. Rotate spring (B) until it measures 380 mm (15 in).
3. Re-tighten lock nut (A), using spanner on spring plug.



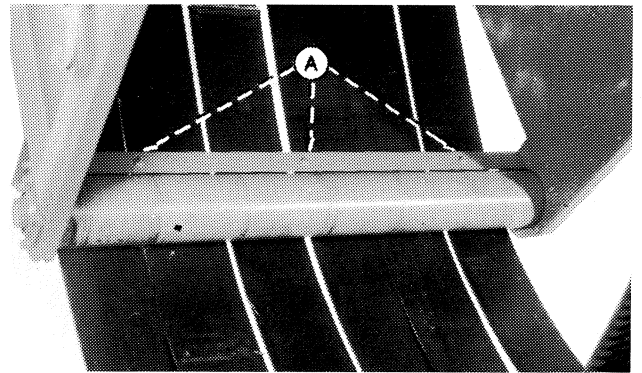
CC7910

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ADJUSTING LOWER FEED ROLL SCRAPER

Open gate to convenient height and lock with gate latch.

Loosen nuts (A) and adjust scraper until it contacts feed roll. Retighten nuts (A).



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ADJUSTING BELT TRACKING

NOTE: *Baler must be empty and gate closed.*

With baler on a level surface, engage PTO and run at slow speed.

Observe belt tracking at lower belt guide.

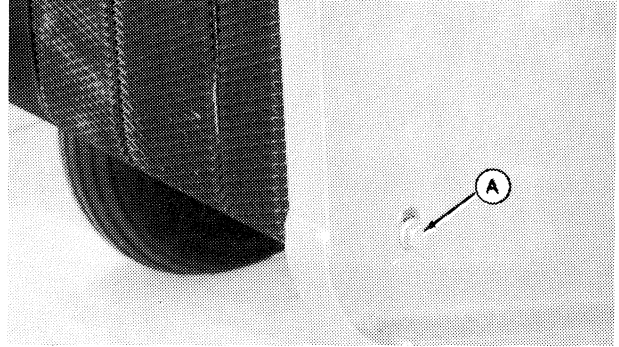
If belts track to the left, use the following procedure.

1. Using tractor selective control valve, raise belt tension arm to slacken belts.
2. Shut off tractor engine.
3. Loosen bolt (A), raise right-hand end of roller in its slot, and tighten bolt.
4. Start engine, lower belt tension arm, and re-check tracking. Readjust if necessary.

If belts track to the right, repeat steps 1 and 2.

5. Loosen bolt on left-hand side and raise roller in its slot. Tighten bolt.
6. Start engine, lower belt tension arm, and re-check tracking. Readjust if necessary.
7. If cap screw has been raised to top of slot and adjustment is necessary, lower cap screw in slot on opposite side of baler.

NOTE: *If gate and frame of the baler are not properly aligned, improper belt tracking may be the result. See your JOHN DEERE dealer and have the gate straightened.*

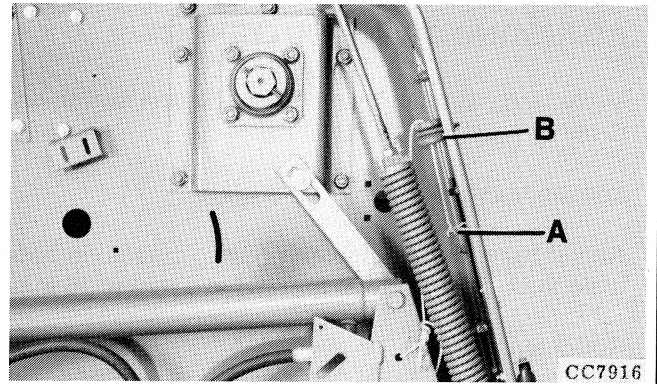


ADJUSTING BALE SIZE INDICATOR

Close the gate.

By means of tractor selective control valve lever, raise belt tension arm to highest position.

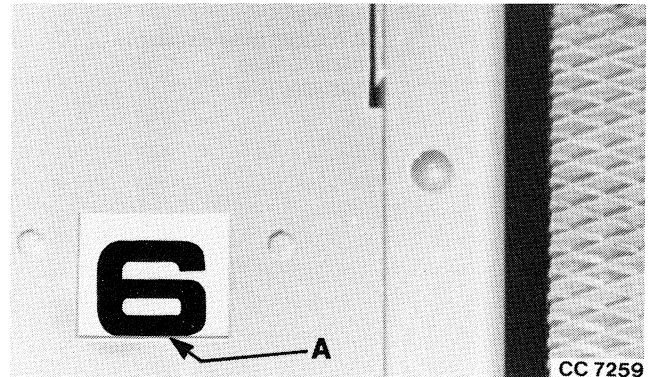
Tie rope to hole of bale size indicator (A) and thread it through twine guide (B).



CC7916

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Adjust rope so that bottom of number "6" is flush with bottom of bale size window (A).

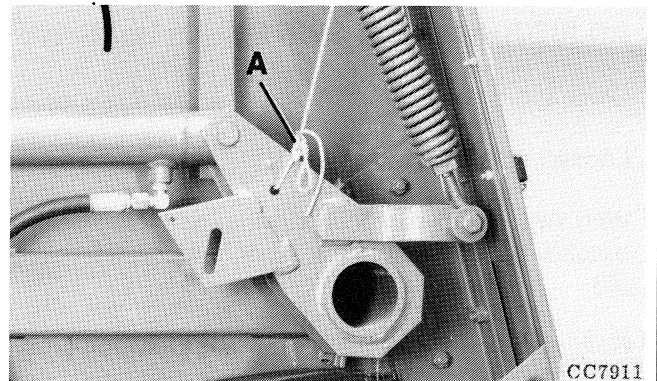


CC 7259

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Tie other end of rope to belt tension arm (A) as shown.

By means of tractor selective control valve lever, lower belt tension arm.



CC7911

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ADJUSTING TWINE CUTTER ANVIL

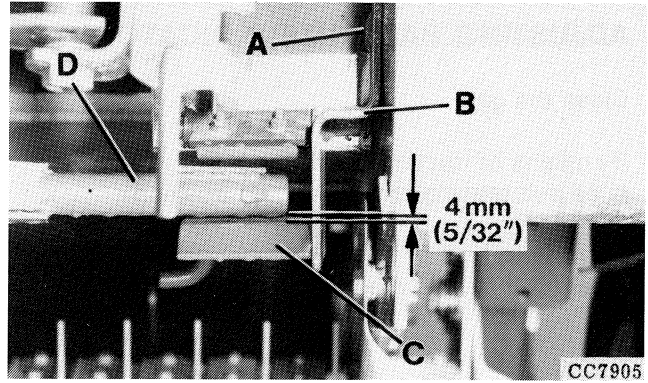
Move twine arm (D) by means of control switch until it is centered over knife anvil (C).

Loosen nuts (A).

Adjust twine cutter assembly (B) so clearance between knife anvil (C) and twine arm (D) is 4 mm (0.16 in.).

Retighten nuts (A).

Move twine arm to "home" position.



- A-Nuts
- B-Twine cutter assembly
- C-Knife anvil
- D-Twine arm

CC7905-540ACCE-031286

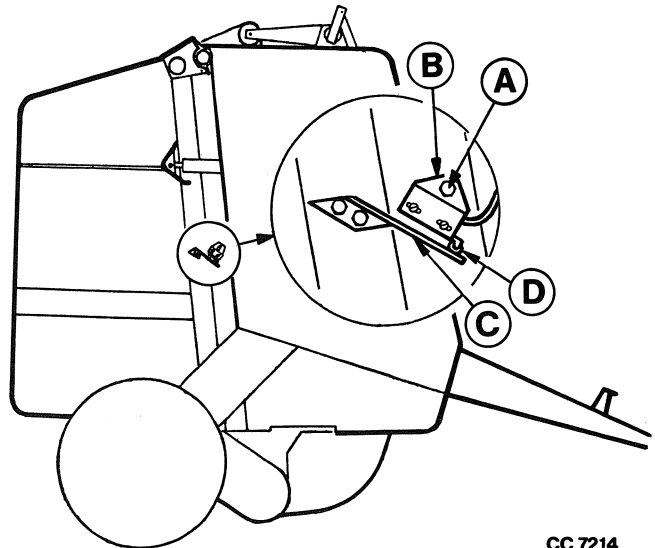
ADJUSTING GATE SWITCH (Option)

Close the gate.

Loosen screw (A).

With switch arm contacting switch body, adjust switch bracket (B) so that ramp (C) contacts switch roller (D).

Retighten screw (A), making sure that switch arm is not at the end of its stroke.



CC7214-540ACCE-031286

ADJUSTING OVERSIZE BALE SWITCH (Option)

Close the gate.

Raise belt tension arm to extreme top position by means of tractor selective control valve lever.

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Loosen nuts (A).

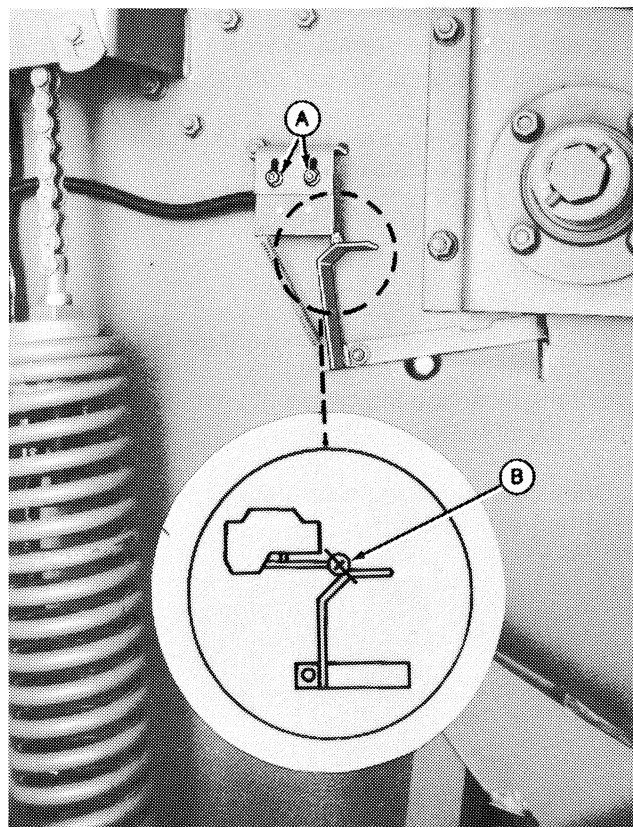
Move switch horizontally until it is in position (B).

Move switch vertically until switch is just activated.

Tighten nuts (A).

Lower and raise belt tension arm to check adjustment.

Lower belt tension arm.



E21773-545ACCE-030285

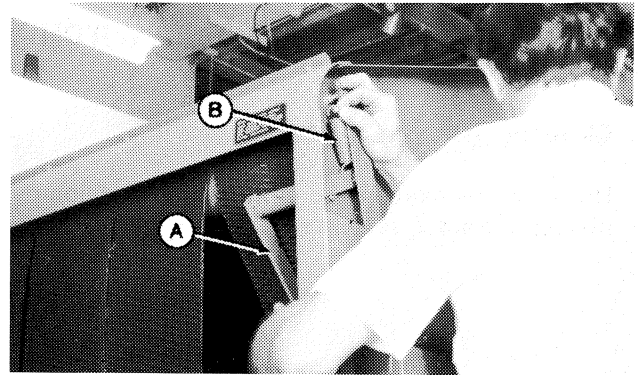
ADJUSTING BALE SHAPE SENDERS

Bale shape senders are located at rear of baler on left and right-hand side.

Close the gate.

Raise belt tension arm to highest position by means of tractor selective control valve lever to slacken belts.

Push in bale shape sender arm (A) and unhook spring (B). Repeat on the other side.



E21774-545ACCE-000285

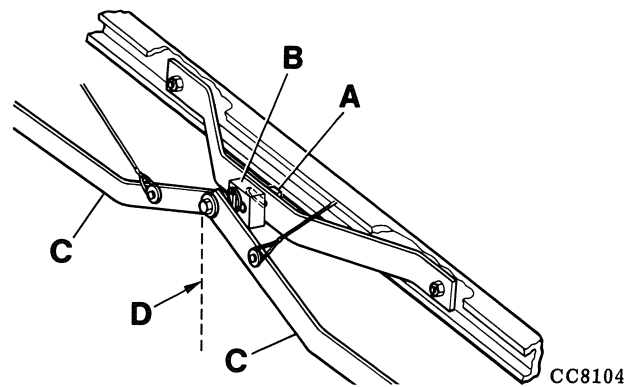
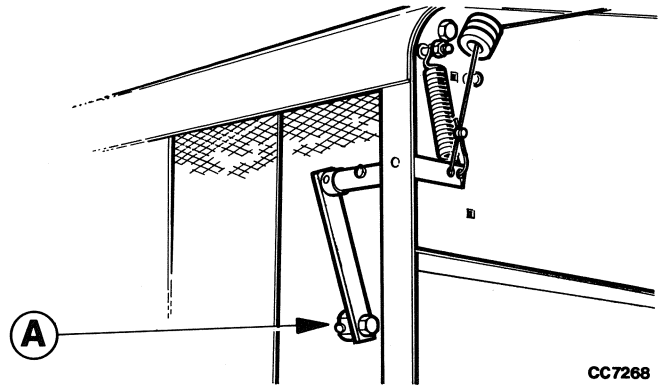
Lower belt tension arm and engage PTO for a few seconds to ensure belts are tensioned.

The rollers (A) are now just touching their respective belts on right or left-hand side.

A-Roller

Loosen cap screw (A). Move adjusting plate (B) up- or downwards and/or to right or left-hand side to position bale shape indicators (C) symmetrical to center line (D) of baler.

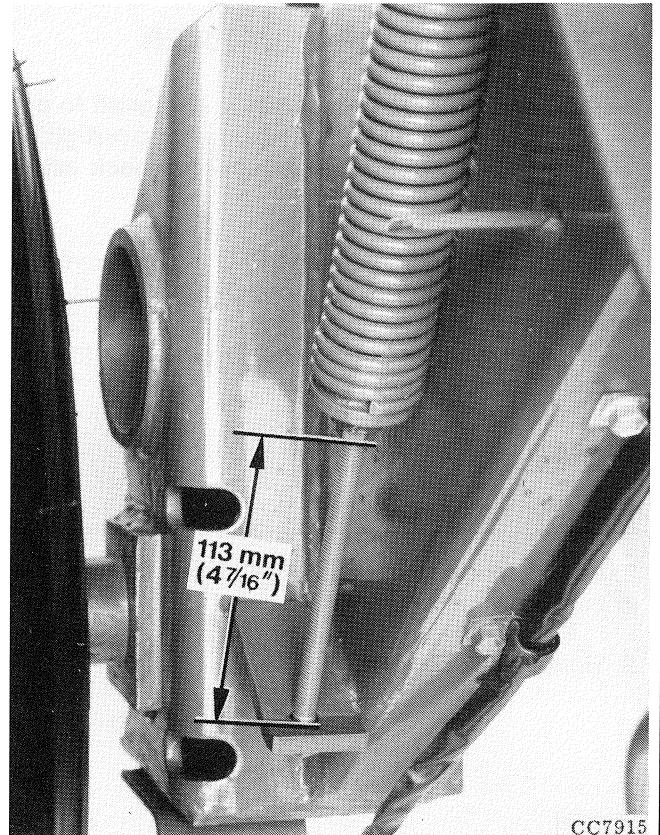
Once bale shape indicators are in correct position, re-tighten cap screw (A).



CC7268,CC8104-545ACCE-281186

ADJUSTING PICK-UP FLOAT SPRING, LEFT-HAND SIDE

Adjust left-hand side by tightening screw into spring plug until 113 mm (4.45 in.) dimension is attained.



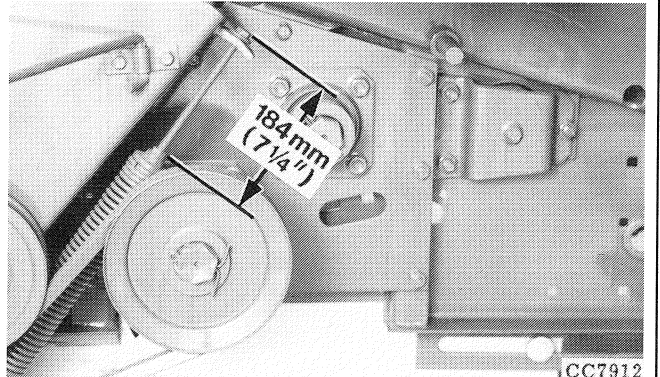
CC7915-540ACCE-031286

ADJUSTING PICK-UP FLOAT SPRING, RIGHT-HAND SIDE

Adjust right-hand side by tightening screw into spring plug until 184 mm (7-1/4 in.) dimension is attained.

This setting should allow the pickup to drop completely when lowered. If not, slightly reduce spring setting.

When operating at heights other than extreme down position, additional spring force will be required to obtain adequate float.



CC7912-540ACCE-031286

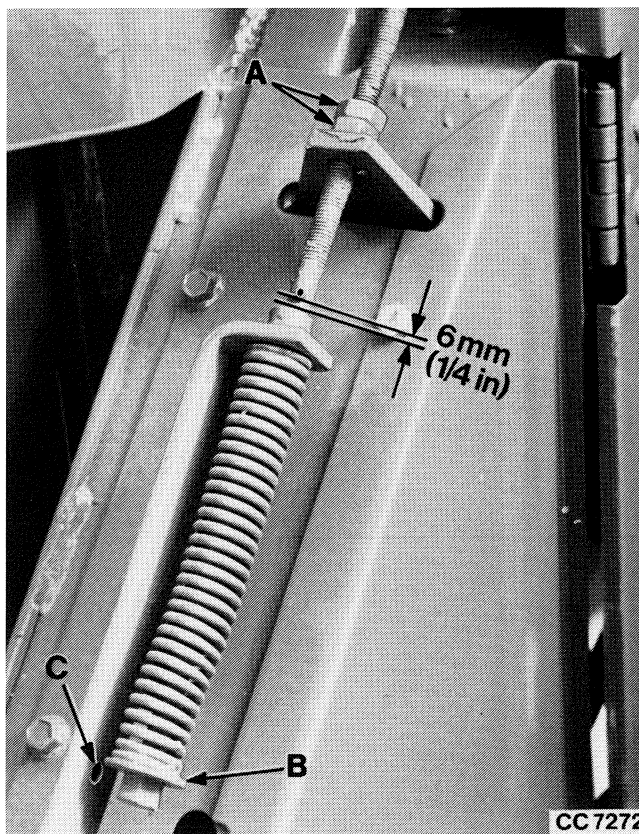
ADJUSTING PICKUP BELT IDLER

IMPORTANT: The belt tensioner is designed to protect pickup components; overtightening reduces the protection. Check adjustment daily.

Before adjusting idler, engage PTO and observe washer (B) movement with respect to sight hole (C). If total movement is more than 2 to 3 mm (0.08 to 0.12 in.), there may be a burnt or thin spot in the belt. Inspect belt and replace if necessary.

To adjust pickup belt idler:

1. Loosen lock nuts (A).
2. Adjust spring to obtain a dimension of 6 mm (1/4 in.) as shown.
3. Tighten lock nuts (A).

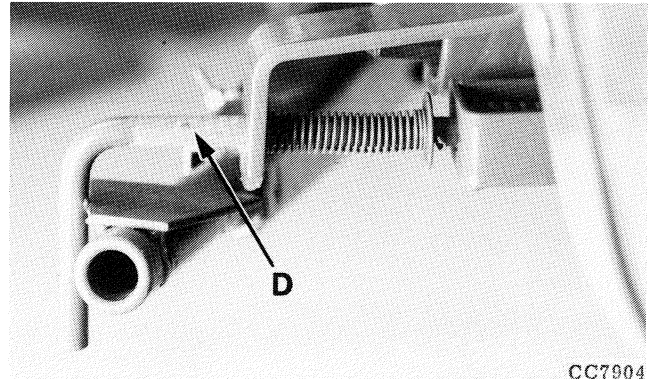
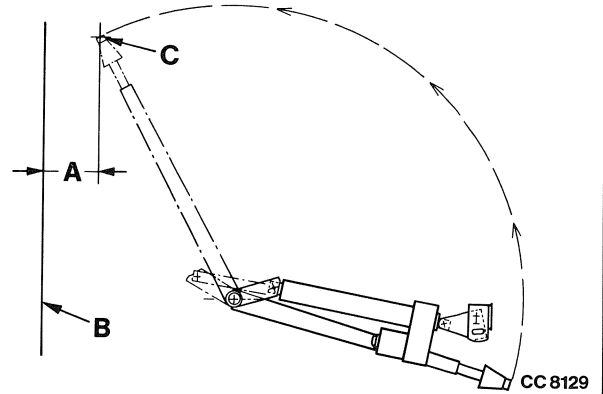


CC7272-545ACCE-030285

ADJUSTING TWINE ARM TRAVEL

There must be a distance (A) of 80 to 150 mm (3.15 to 5.90 in.) between right-hand panel of bale chamber (B) and tip of twine arm (C). The twine arm must also exert a positive action on twine cutter linkage (D) on its way back to "home" position, otherwise twine will not be cut.

A—80 to 150 mm (3.15 to 5.90 in.)
B—Right-hand panel of bale chamber
C—Twine arm tip
D—Twine cutter linkage



CC8129, CC7904-540ACCE-031286

Adjust as follows:

Move twine arm to the extreme right-hand position by means of the control switch. The electric cylinder is now fully extended.

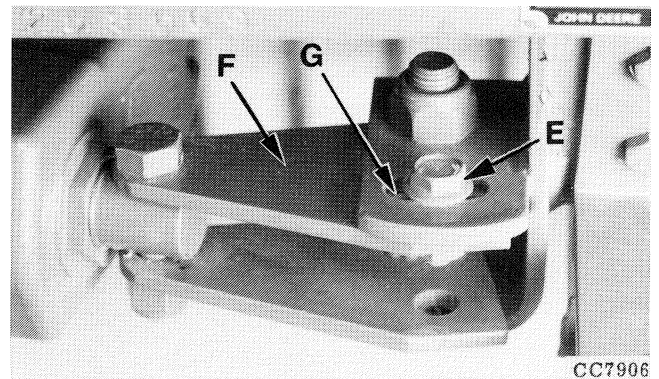
Loosen cap screw (E).

Move cylinder support (F) in slot (G) to obtain distance (A) from 80 to 150 mm (3.15 to 5.90 in.) and to obtain positive action of twine arm on twine cutter linkage.

Retighten cap screw (E).

Move twine arm to "home" position.

E—Cap screw
F—Cylinder support
G—Adjusting slot



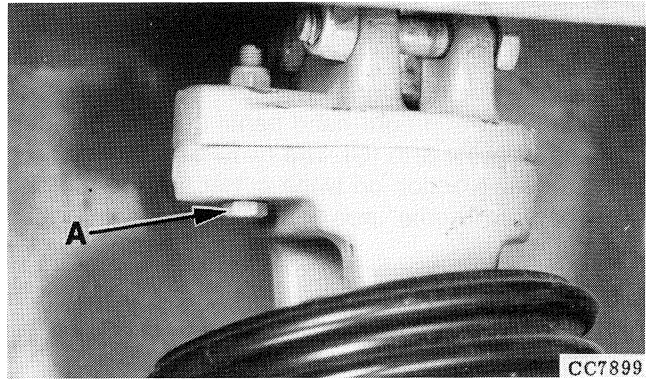
CC7906-540ACCE-031286

REPLACING POWERLINE SHEAR BOLT

Line up holes in shear pin hub and install a 8 x 50 mm, grade 8.8 cap screw and lock nut (A).

IMPORTANT: To avoid overloads on shear bolt, the PTO must be engaged slowly.

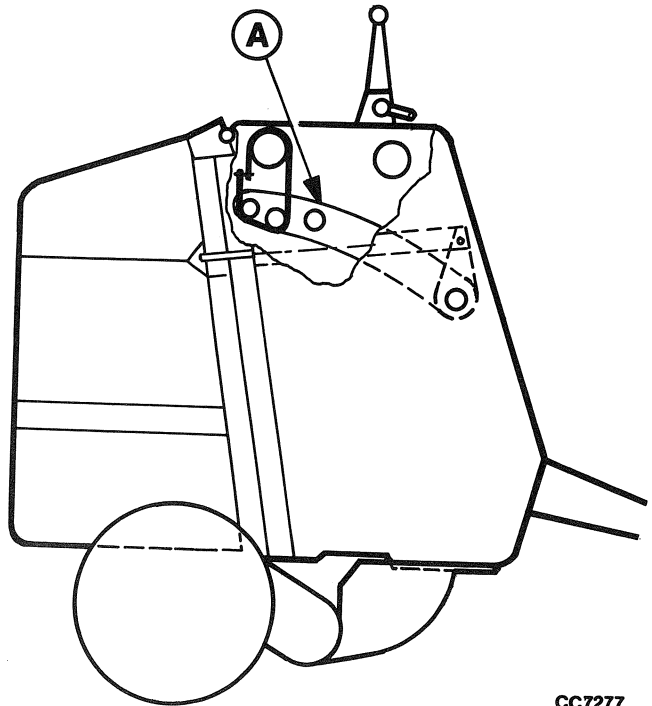
Reinstall powerline shield on baler tongue.



CC7899-540ACCE-031286

REMOVING THE BELTS

If all belts should be removed, secure belt tension arm (A) in upper position, as shown.

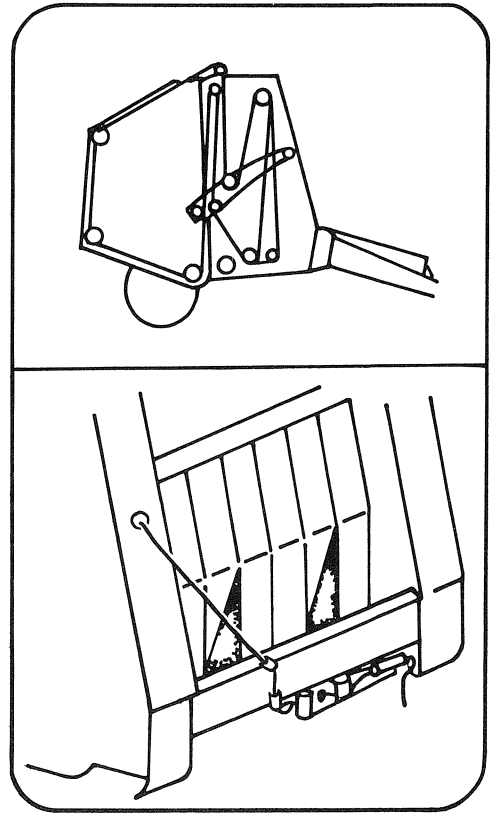


CC7277-545ACCE-030285

INSTALLING BELTS

Slacken belts by raising belt tension arm with tractor selective control valve lever.

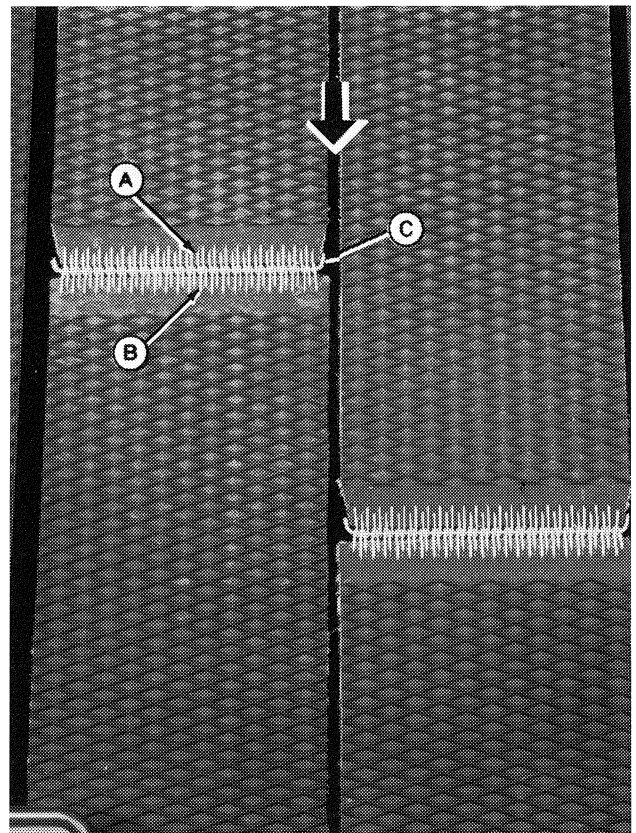
Attach belts with diamond portion of belt to the outside. Thread as shown in illustration, passing through the individual guides. See illustrations for location of long and short belts.



CC 8130

CC8130-540ACCE-031286

Begin threading so that in the end and with belts travelling in direction shown, there will be 44 hooks in splice (A) and 45 hooks in splice (B). Insert pin and bend ends at 70 to 80 degrees angle pointing in an upward direction (C) against direction of travel (arrow).



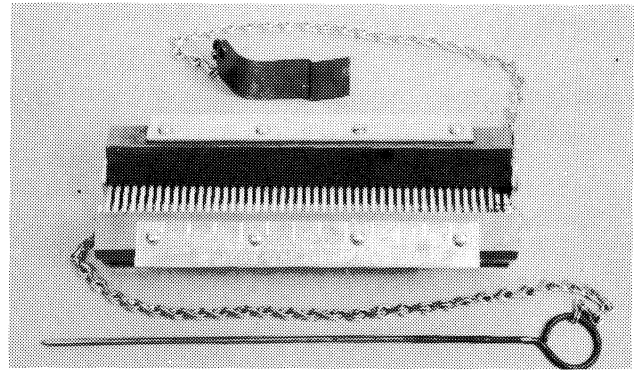
E21796-540ACCE-031286

REPAIRING BELTS

A belt lacing tool and hardware is available for repairing belts.

Belt slack may be obtained by raising the gate and latching it.

NOTE: Belts may fray at the edges or cut. Trim the frayed cords as they appear, this reduces the chances of frayed cords being caught as the bale is formed, causing additional fraying or damage to the belts.

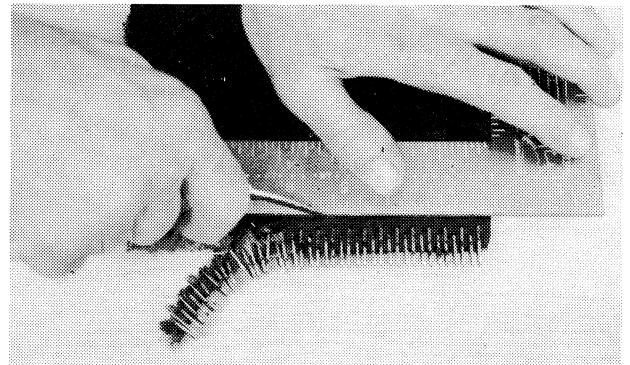


E21645-545ACCE-030285

Remove broken belt.

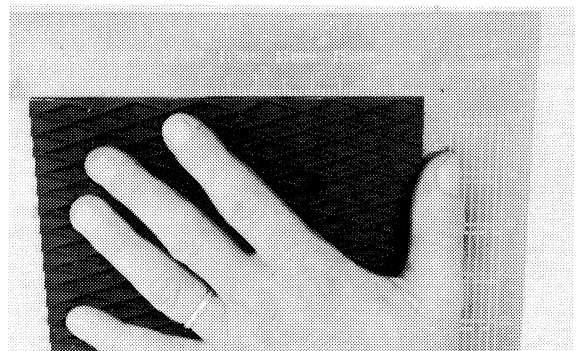
Using a square and a sharp knife, remove damaged area.

IMPORTANT: Belt length variation must not be more than 38 mm (1-1/2 in.).



E21797-545ACCE-030285

Recheck belt to make sure that it is cut squarely.

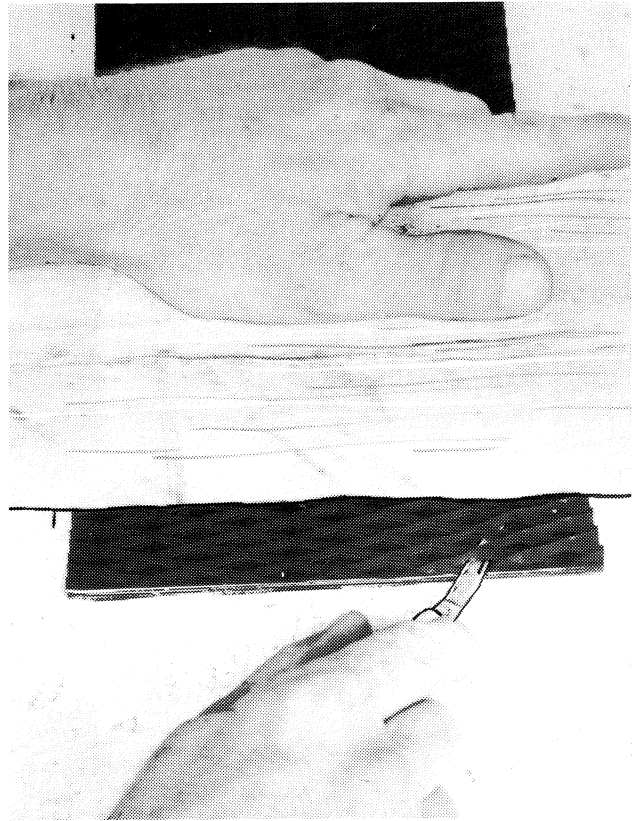


E21798-550ACCE-030285

Use a 25 to 51 mm (1 to 2 in.) thick board to hold belt as shown.

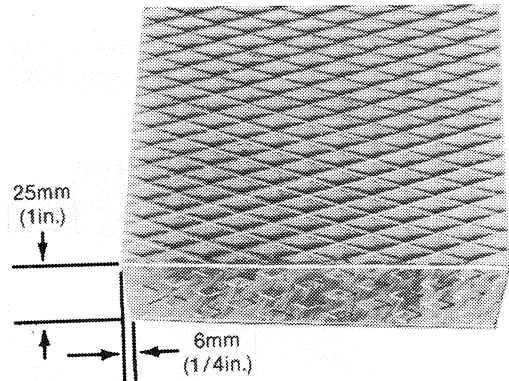
With a sharp knife, remove 25 mm (1 in.) of diamond pattern from end of belt, similar to that removed for original belt splice. To reduce cutting effort, dip knife blade in liquid soap.

IMPORTANT: Cut only the diamond pattern. Cutting deeper can damage the belt cords.



E21799-550ACCE-030285

Trim trailing end of belt only as shown in illustration.

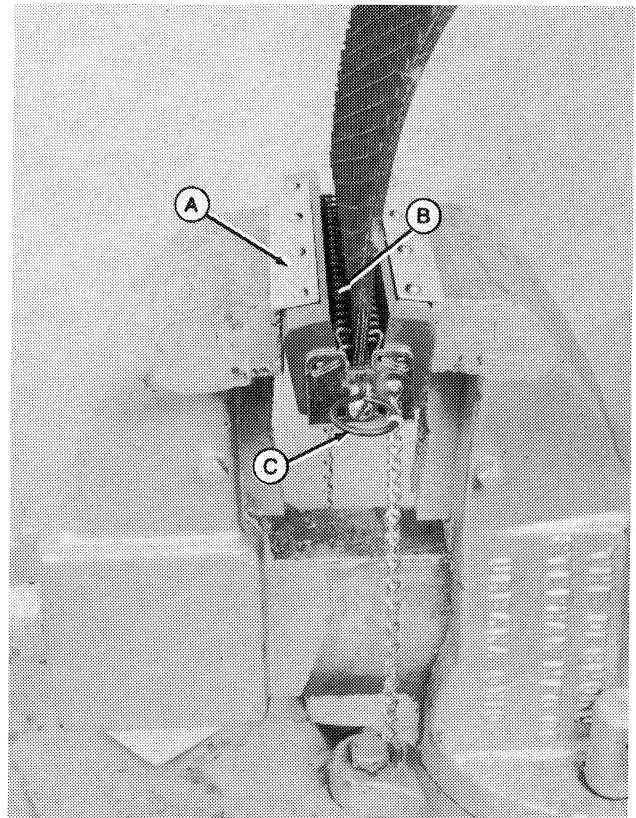


E22649-550ACCE-030285

IMPORTANT: If repair is needed on only one end of belt, count the hooks. There should be 44 hooks for trailing end of belt and 45 hooks for leading end of belt.

Place the belt lacing tool (A) in a vice, setting the determined amount of hooks (B) in center of the lacing tool, and inserting long pin (C) to hold hooks (B) in place.

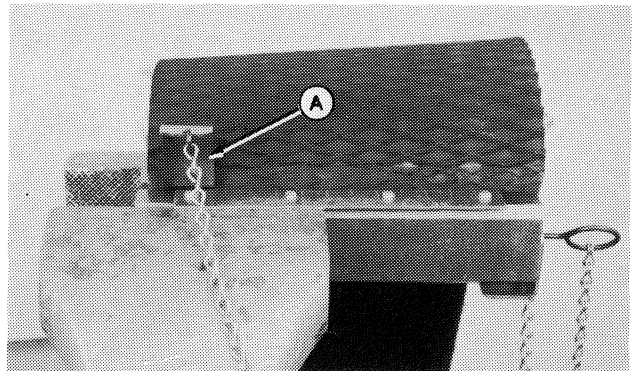
Visually align belt so hooks (B) are centered in belt. Make sure full width of belt is in contact with bottom of lacer. Tighten vice forcing hooks through belt.



E21801-550ACCE-030285

IMPORTANT: To clinch hooks in the belt correctly and to ensure long splice life, use the following procedure.

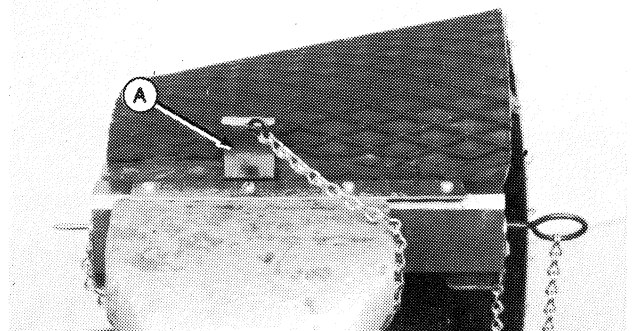
Starting at one end of belt, and keeping pressure plate (A) centered in vice, retighten vice to exert maximum pressure on approximately six hooks at a time.



E21802-550ACCE-000285

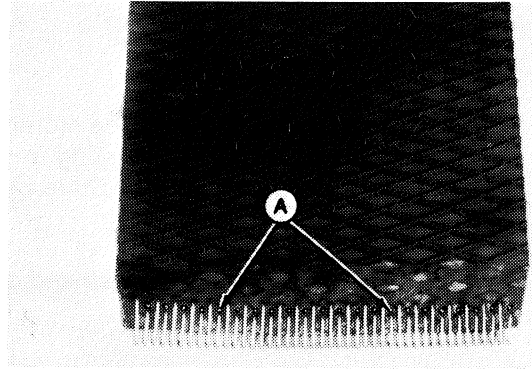
Always keeping pressure plate (A) centered in the vice, move belt and lacing tool over and retighten vice.

Repeat procedure until all hooks are clinched.



E21803-550ACCE-000285

When properly installed, the points (A) have come through the belt from the opposite side and are slightly clinched (see "Installing Belts" for proper installation).



E21804-550ACCE-030285

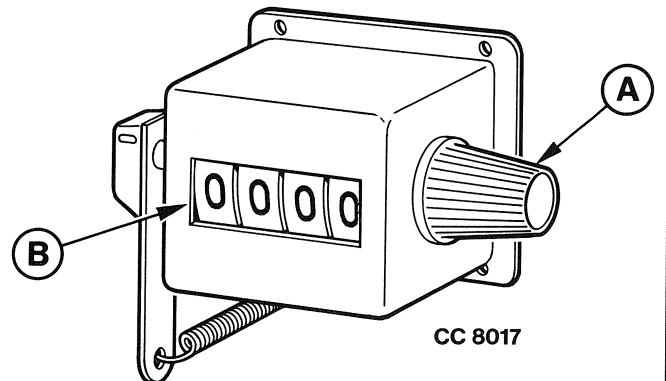
CHECKING BELT PINS

Check pins for wear or damage after baling 2000 bales (1000 bales in sandy conditions).
Replace worn or damaged pins.

ENTRETOM-545CCCE-281186

RESETTING BALE COUNTER

Reset bale counter by means of knob (A).
When resetting, take care to align cyphers "0" (B) perfectly, otherwise bale counter will not work properly.



CC8017-545ACCE-281186

Storage

STORING BALER AT THE END OF SEASON

Shelter baler in a dry place. If baler must be stored outside, belt life can be prolonged by covering or removing belts to protect from sunlight etc. Store belts in a cool dry place.

Clean baler thoroughly inside and out. Trash and dirt will draw moisture and cause rust.

NOTE: Should a high-pressure washer be used to clean the baler, do not direct pressurized water on the bearings.

Check that all idler rolls are working freely. If one of them is hard to rotate, remove it, clean bearing housing and replace bearing, if necessary.

Apply a few drops of oil to all pivot points and linkages.

Thoroughly lubricate baler (see "Lubrication Section").

Apply a thin layer of grease to threads of all adjusting bolts.

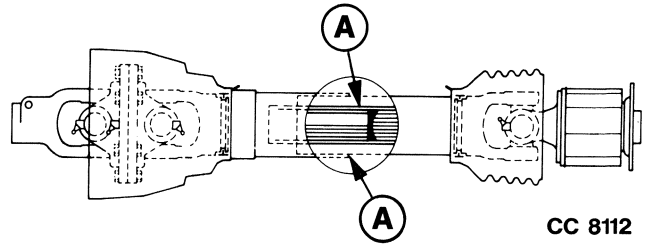
Grease guard tubes (A) at the beginning of the winter season to prevent freezing.

All parts from which the paint has been worn should be painted or coated with oil.

Clean all chains by washing them with diesel fuel. Dry thoroughly and coat with a heavy oil.

Block up baler, taking load off tires. Do NOT deflate tires. If exposed, cover tires to protect them from light, grease and oil.

List the replacement parts that will be needed and order them.



PREPARING FOR BEGINNING OF SEASON

Check and fill gear case to check plug level (A) (see "Lubrication and Maintenance").

Remove the heavy oil from the chains and lubricate with 30W or heavier oil.

Lubricate complete machine (see "Lubrication Section"). This will force any collected moisture out of bearings.

Check tires for correct air pressure.

Tighten all bolts, nuts and set screws.

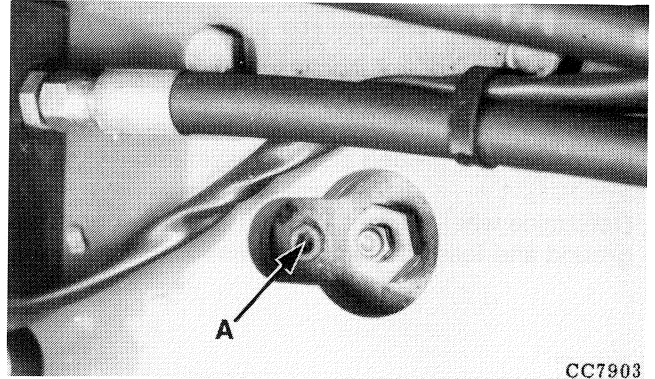
Check all belt splice pins for damage and replace as necessary.

Check adjustments of baler as described in "Service" section.

Check for correct functioning of sound alarm. Adjust or replace switches as necessary.

Remove converging wheel break-away springs and trip wheel. If wheel does not pivot freely by hand, remove wheel bracket from tube. Apply grease to pivoting surfaces and reassemble.

Review your operator's manual.



CC7903

Assembly

ELECTRICAL HOOK-UP FOR SOUND ALARM

The sound alarm is designed for use on 12-volt negative or positive ground electrical systems.

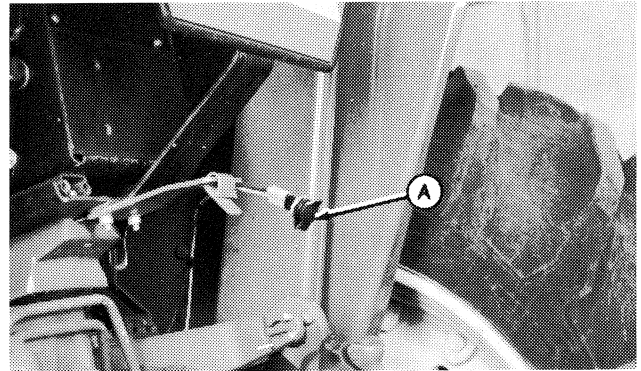
Determine whether your tractor is negative or positive ground and follow the instructions for that system.

MONTAGOM-540ACCE-031286

INSTALL CONVENIENCE OUTLET ON NEGATIVE GROUND TRACTORS WITHOUT SOUND-GARD BODIES

Install socket (A) in convenient location.

NOTE: Route cables away from tires, lift links, and other pinch points. Avoid all sharp edges. Secure cables with tie straps provided.

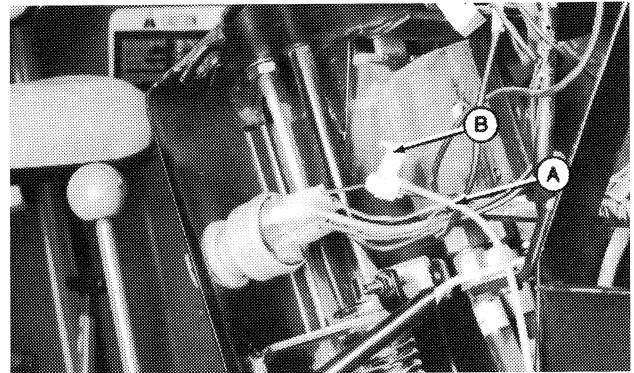


E21694-550ACCE-030285



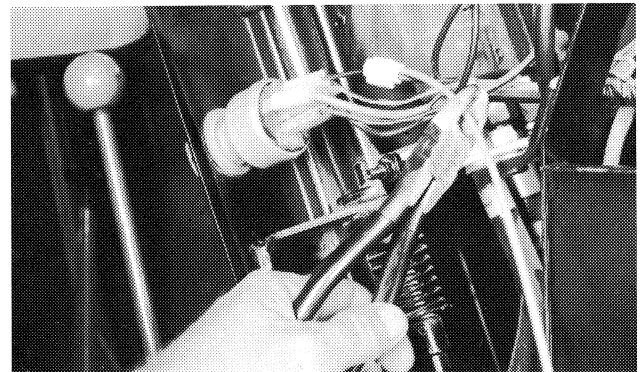
CAUTION: To avoid injury from a spark or short circuit, **DISCONNECT GROUND STRAP FROM BATTERY** when working on any part of the electrical system.

Locate a switch-controlled terminal. Cut red wire (A) to length and splice to a "live" wire from terminal using connector (B).



E21695-545ACCE-281186

Cut red wire approximately 10 cm (4 in.) from terminal and strip the end. Strip end of cut wire connected to convenience outlet.



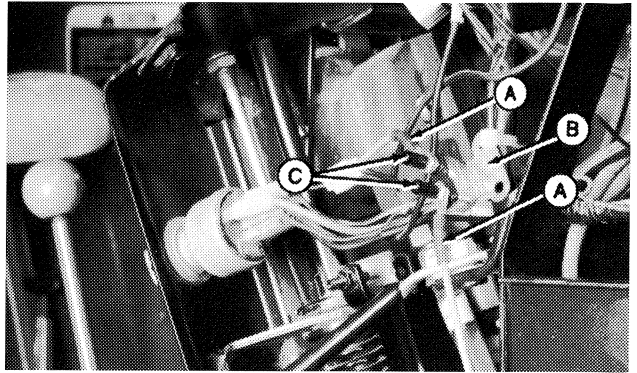
E21696-550ACCE-030285

Assembly

Slip insulating sleeves (A) and eyelets over stripped wires. Crimp eyelets to wires and cover crimp with insulating sleeves (A).

Connect wires to circuit breaker (B) using two M 10 nuts on each post clamping eyelet between nuts.

Wrap circuit breaker posts with electrical tape (C) to prevent shorting and secure circuit breaker using tie strap.

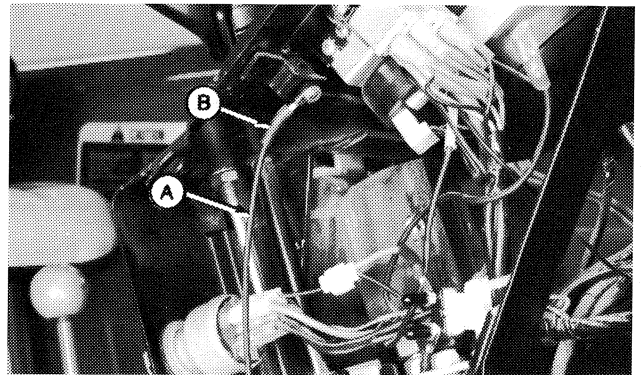


E21697-550ACCE-000285

Locate a ground screw and cut black wire to reach this location. Strip end of wire.

Slip insulating sleeve (B) and eyelet over stripped end of black wire (A). Crimp eyelet to wire and cover crimp with insulating sleeve (B).

Connect eyelet to ground screw.

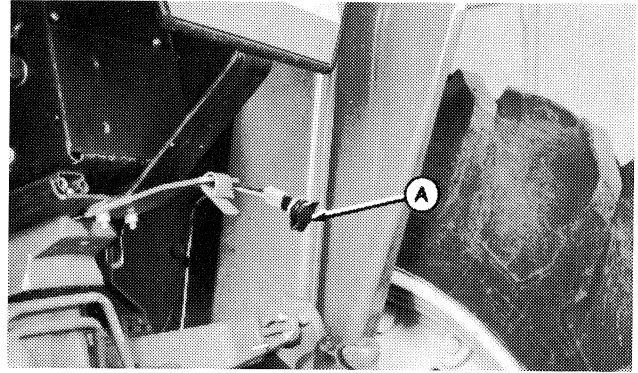


E21698-550ACCE-030285

INSTALL CONVENIENCE OUTLET ON POSITIVE GROUND TRACTORS WITHOUT SOUND-GARD BODIES

Install socket (A) in convenient location.

NOTE: Route cables away from tires, lift links, and other pinch points. Avoid all sharp edges. Secure cables with tie straps provided.

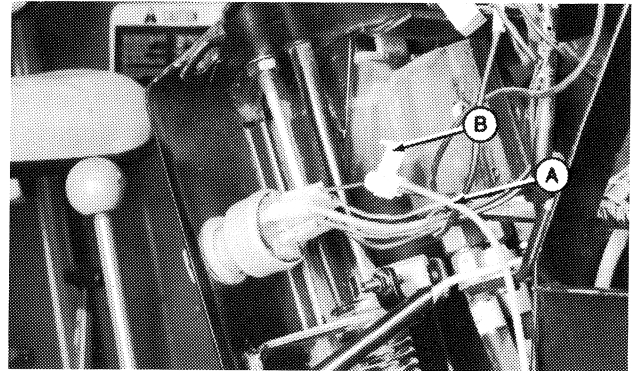


E21694-550BCCE-030285



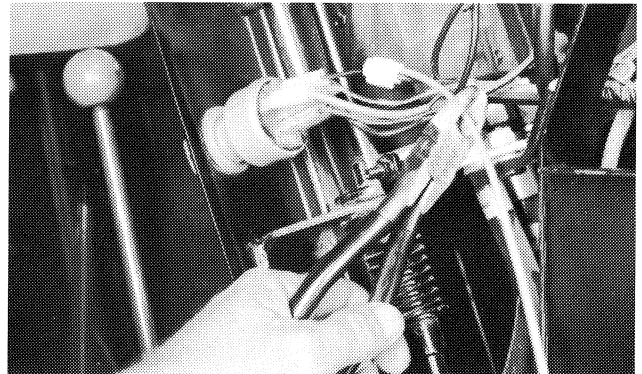
CAUTION: To avoid injury from a spark or short circuit, **DISCONNECT GROUND STRAP FROM BATTERY** when working on any part of the electrical system.

Locate a switch-controlled terminal. Cut black wire (A) to length and splice to a "hot" wire from terminal using connector (B).



E21695-550BCCE-030285

Cut black wire approx. 10 cm (4 in.) from terminal and strip the end. Strip end of cut wire connected to convenience outlet.

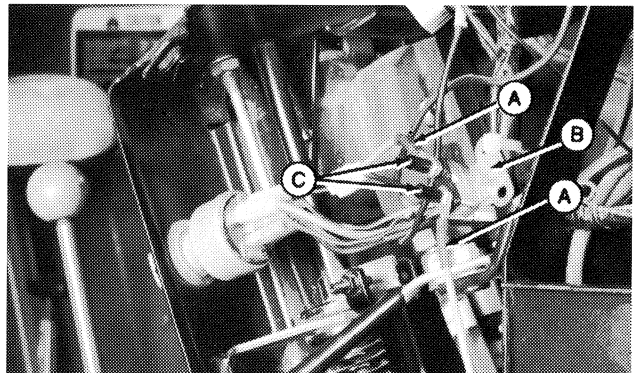


E21696-550BCCE-030285

Slip insulating sleeves (A) and eyelets over stripped wires. Crimp eyelets to wires and cover crimp with insulating sleeves (A).

Connect wires to circuit breaker (B) using two M 10 nuts on each post clamping eyelet between nuts.

Wrap circuit breaker posts with electrical tape (C) to prevent shorting and secure circuit breaker using tie strap.

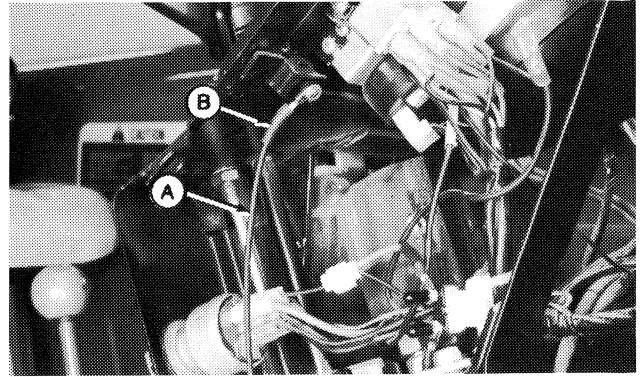


E21697-550BCCE-000285

Locate a ground screw and cut red wire to reach this location. Strip end of wire.

Slip insulating sleeve (B) and eyelet over stripped end of red wire (A). Crimp eyelet to wire and cover crimp with insulating sleeve (B).

Connect eyelet to ground screw.

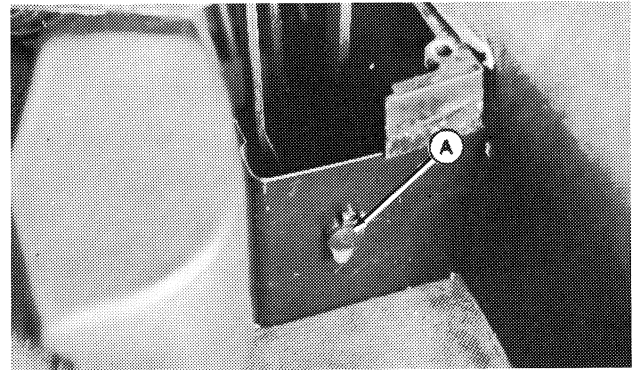


E21698-550BCCE-030285

INSTALL CONVENIENCE OUTLET ON TRACTORS WITH SOUND-GARD BODIES

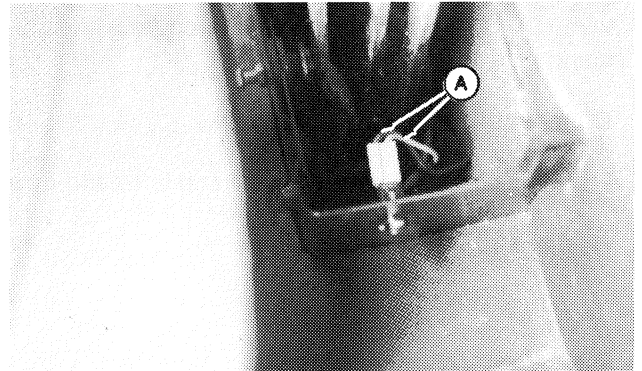
Remove top of control console at the right-hand side of the operator. Move all control levers to their rear positions.

Locate socket so it will not interfere with the control levers. Drill a 19 mm (3/4 in.) hole in the panel and install socket (A). Secure with nut.



E21699-550ACCE-030285

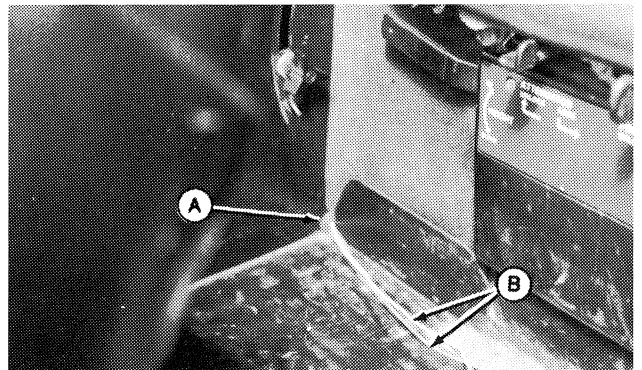
Connect wires (A) to socket. Route wires (A) to the floor level of console, avoiding all moving parts and pinch points.



E21700-550ACCE-030285

Drill a 14 mm (0.55 in.) hole in console at floor level and install grommet (A).

Route wires (B) through the hole and under the floor mat to the left cowl.



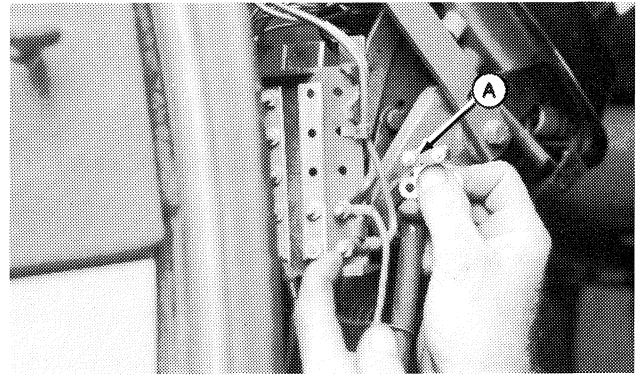
E21701-550ACCE-030285



CAUTION: To avoid injury from a spark or short circuit, **DISCONNECT BATTERY GROUND STRAP.**

Remove the left cowl and plate covering the tractor electrical center.

Connect circuit breaker (A) to the right-hand switch-controlled terminal strip. Secure with nuts.



E21702-550ACCE-030285

Route red wire (positive) (A) to circuit breaker and cut to length. Strip end of wire.

Slip insulating sleeve (B) and eyelet over stripped wire. Crimp eyelet to wire and cover crimp with insulating sleeve (B).

Connect red wire (A) to circuit breaker using one M 10 nut.

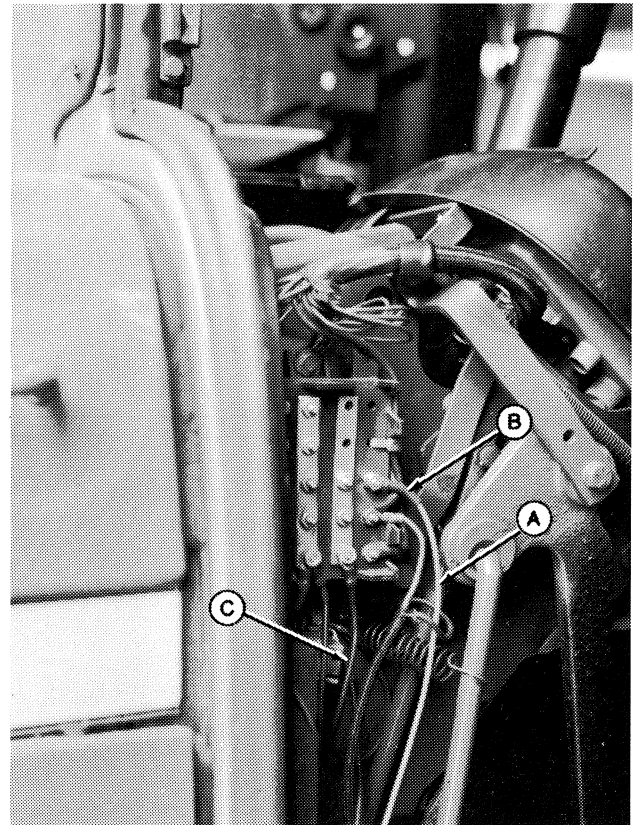
Route black wire (negative) (C) to any convenient ground bolt or screw. Cut to length and strip end.

Slip insulating sleeve and eyelet over the stripped wire (C). Crimp eyelet to wire and cover with insulating sleeve (B).

Connect to ground bolt or screw.

Reinstall electrical center cover and left-hand cowl.

Reinstall top of control console.



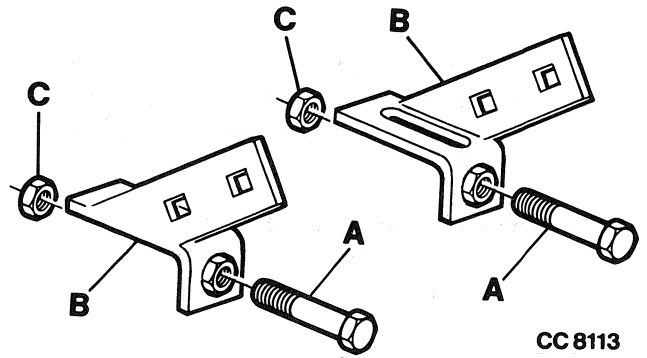
E21703-550ACCE-000285

INSTALLING SILAGE EQUIPMENT

Install two M 10 x 80 stop bolts (A) on both scraper supports (B), using two M 10 nuts (C).

Do not tighten the stop bolts at this stage.

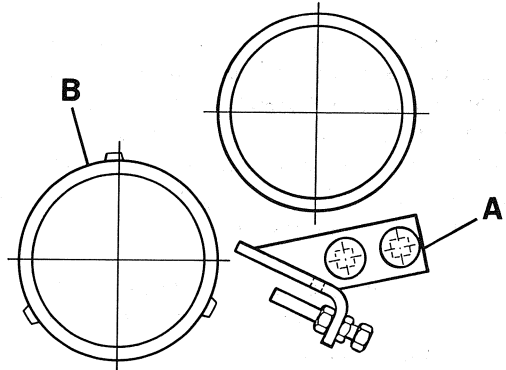
- A-Stop bolts
- B-Scraper supports
- C-M 10 nuts



CC8113-545ACCE-281186

Install scraper supports (A) on each side of the baler in front of starter roll (B) (see "Numbering System for Baler Rolls" in Service Section for location of starter roll).

Use four M 12 x 25 bolts and four M 12 lock nuts to install scraper supports.



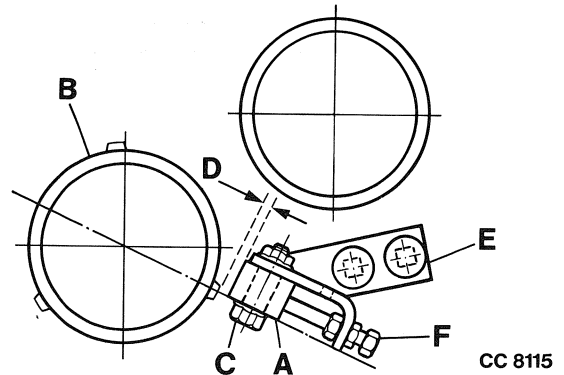
CC8114-545ACCE-281186

Install scraper bar (A) on supports (E) by means of two M 12 x 50 cap screws and two M 12 flange nuts. Slightly tighten screws (C).

Position scraper bar (A) as close as possible to starter roll (B), leaving enough clearance (D) to avoid any contact between scraper bar and roll. Adjust clearance (D) by means of adjusting screws (C). Having obtained correct adjustment, tighten screws (C).

With scraper bar in correct position, tighten attaching screws (F).

- A-Scraper bar
- B-Starter roll
- C-Adjusting screw
- D-Clearance
- E-Support
- F-Attaching screw

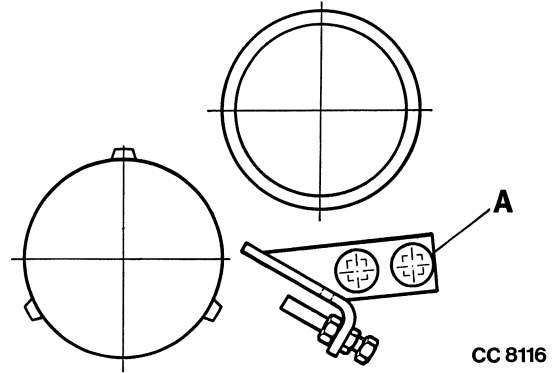


CC8115-545ACCE-281186

Assembly

NOTE: When removing scraper bar before baling dry crops, do not remove scraper supports (A). This will ensure that scraper supports are still in proper position when reinstalling scraper bar.

IMPORTANT: Remove scraper bar before baling dry crops such as hay or straw.



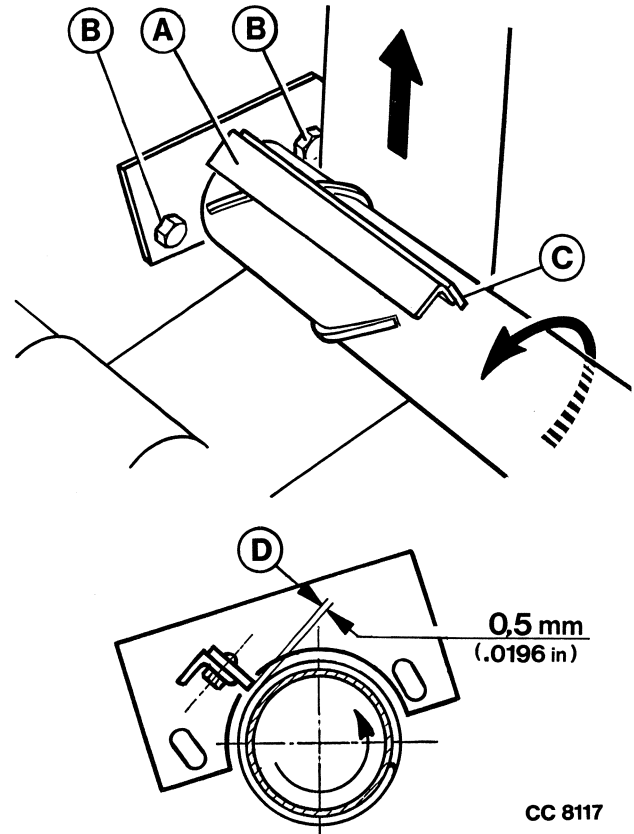
CC8116-545ACCE-281186

Install right and left-hand scraper brackets (A) with adjustable scrapers (C) on roll no. 13 (see "Numbering System for Baler Rolls" in Service Section for location of roll no. 13). Replace four existing M 12 x 30 cap screws used to retain roll supports by four M 12 x 35 cap screws (B) supplied with the bundle. Reuse existing M 12 nuts.

Adjust scrapers and scraper brackets so as to obtain 0.5 mm (0.02 in.) clearance (D) between edge of scraper and top of spiral.

Tighten all hardware firmly.

NOTE: Brackets (A) and scrapers (C) can be left on the machine when baling dry crops.



CC8117-545ACCE-281186

IMPORTANT: When baling silage, the bearings will suffer from crop accumulations and the corrosive action of crop juices. It is recommended to check idler rolls for free rotation when starting to bale again.

If a roll does not rotate freely, remove it, clean and check bearings.

MONTAGOM-545CCCE-281186

INSTALLING TORSION BAR

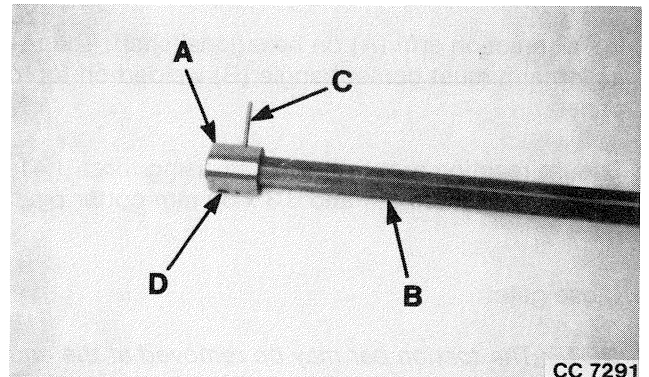
Install torsion bar attachment when baling very wet silage crop and non-cylindrical bales are formed.

MONTAGOM-540BCCE-031286

Position bushing (A) on end of hex. shaft (B) having two 8 mm (0.31 in.) diameter holes.

Align the 8 mm (0.31 in.) holes on hex. shaft with those of bushing and secure bushing (A) to shaft (B) with 8 x 50 mm spring pin (C).

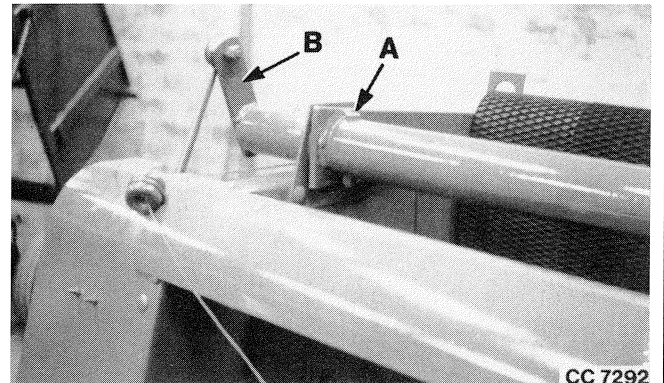
The 16 mm (0.63 in.) holes (D) on the bushing must be positioned as illustrated.



CC7291-540ACCE-031286

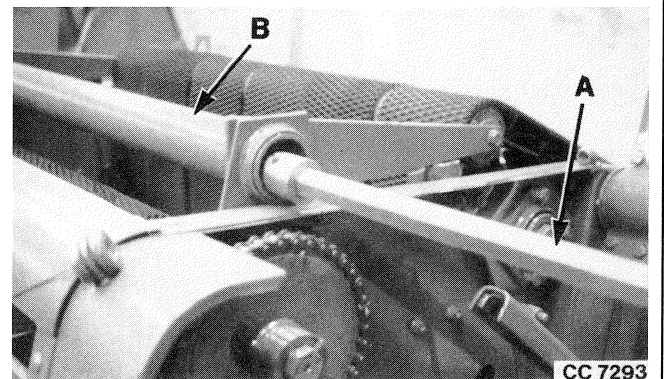
Close gate and slacken upper arm tension spring completely.

Remove bolt (A) but do not discard. Remove arm (B).



CC 7292

Install shaft (A) with bushing first in left-hand hole of tube (B).



CC 7293

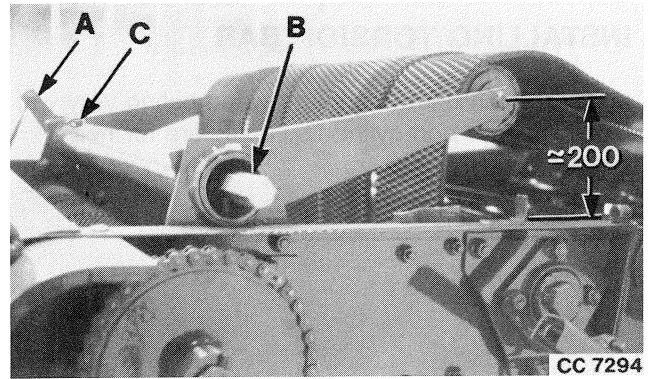
CC7292,CC7293-545ACCE-281186

Assembly

Connect arm (A) to shaft (B), using bolt (C) removed previously.

Retension upper arm tension spring. See "Adjusting Upper Arm Spring".

Open gate until a distance of approximately 200 mm (7.87 in.) is obtained as illustrated.



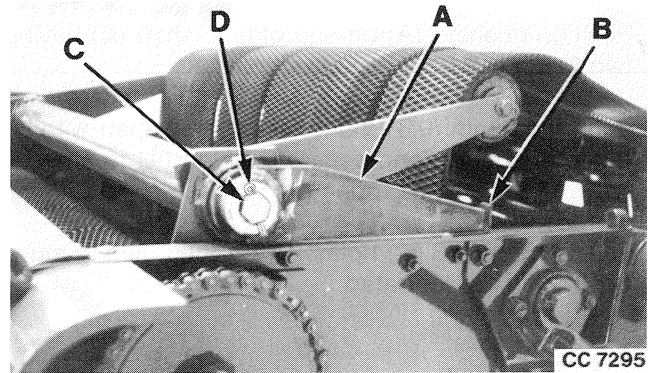
CC7294-540ACCE-031286

Install reaction arm (A) on hexagonal shaft. The reaction arm must contact angle (B) welded on top of side panel.

Secure reaction arm to hex. shaft using three 1.41 x 2 x 0.06 in. washers (C) and 6.3 x 50 mm cotter pin (D).

Close gate.

NOTE: The torsion bar may be removed at the end of the silage baling season.



CC7295-540ACCE-031286

Specifications

SIZE OF BALES

Diameter	0.90 to 1.30 m (35 to 51 in.)
Width	1.17 m (46 in.)

BALER

Weight	1450 kg (3197 lb)
Length, gate closed	3.62 m (143 in.)
Length, gate open	4.52 m (178 in.)
Height, gate closed	2.40 m (94 in.)
Height, gate open	2.88 m (113 in.)
Width	2.31 m (91 in.)

PICKUP

Width (inside)	1.17 m (46 in.)
Width (on flare)	1.41 m (55.5 in.)
Width (between outer teeth)	1.12 m (44 in.)
Tooth bars	4
Number of teeth	72
Tooth spacing	66 mm (2.5 in.)
Stripper diameter	255 mm (10 in.)

FORMING BELTS

Number of belts	6
Type	3-ply fabric, diamond tread
Width	178 mm (7 in.)
Length	10.23 m (402.75 in.) (2 belts) 10.42 m (410.25 in.) (4 belts)

TWINE WRAP

Control	Manual
Type	Electrically driven
Spacing	Manually controlled

BALE FORMATION CONTROLS

Bale shape indicators	Mechanical
Oversize bale protection	Sound alarm (option)
Gate closed	Sound alarm (option)

MISCELLANEOUS

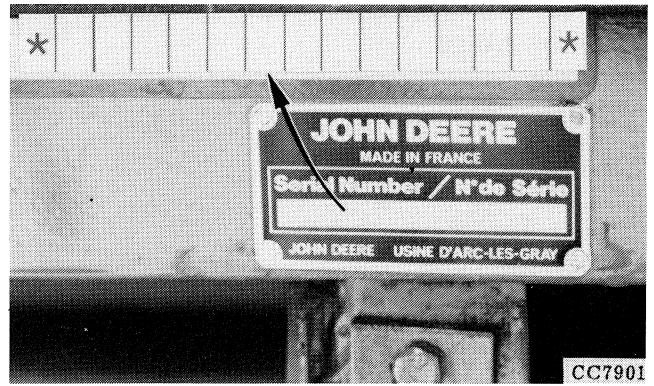
PTO shaft speed	540 or 1000 rpm
Drive protection	Shear bolt
Powerline	Constant velocity powerline
Recommended tractor power (minimum)	35 kW (47 hp) at PTO
Tire size	10.00/80 x 12 (6 PR)
Tongue	Reversible

ATTACHMENTS FOR SPECIAL CROPS	Silage attachment
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Specifications and design are subject to change without notice

Serial Number

The letters and figures on the serial number plate are required for warranty claims and when ordering spare parts. For this reason, please record this serial number in the space provided.



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We help minimize downtime by putting genuine John Deere parts in your hands in a hurry.

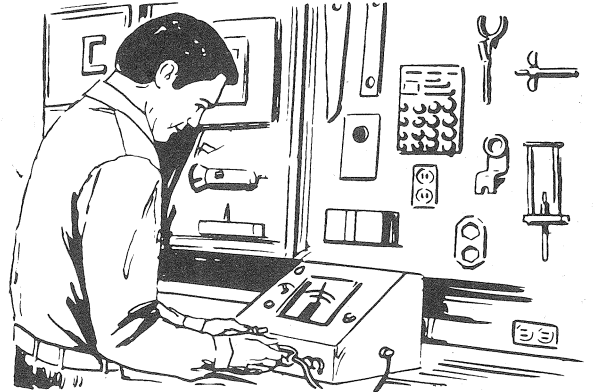
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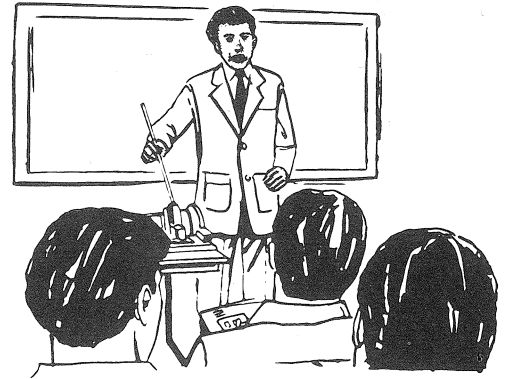
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