SBX550 Baler

Operators Manual

86627611

CASE

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SECTION 2
OPERATION

TRACTOR REQUIREMENTS

For efficient and safe baler operation, use a tractor of at least 60 kw (80 PTO). When operating in hilly conditions, make sure that the tractor is of sufficient size and weight to be able to maintain control of the baler in all possible operating conditions.

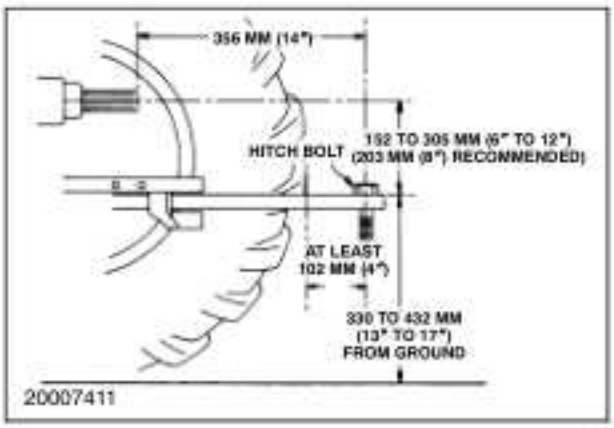
BEFORE USING YOUR BALER

1. Read the operating instructions carefully.
2. Check all bolts and nuts to be sure they are tight.
3. Check all belts and chains to be sure they are properly aligned and adjusted.
4. Check tire pressures.
5. Lubricate the baler carefully. In general, lubrication every 1,000 bales should be sufficient.

TRACTOR DRAWBAR

Adjust the tractor drawbar so that the hitch pin hole is 356 mm (14″) from the end of the tractor PTO shaft and at least 102 mm (4″) past the outside radius of the tractor tire. The drawbar should be centered under the PTO and secured so it cannot swing in either direction. ASAE further specifies that the distance from the center of the PTO shaft to the top of the drawbar should be from 152 mm - 305 mm (6″ - 12″), 203 mm (8″) is recommended. The top of the drawbar should be 330 mm - 432 mm (13″ - 17″) from the ground. On some tractors a hitch adapter plate must be used to obtain the correct distance, while on others, which are not ASAE standard, it may be necessary to install a tractor PTO conversion kit.

The baler is designed for use with an ASAE standard tractor hitch. The hitch point must be located exactly as specified because an improperly located hitch point will subject the universal joints of the PTO drive to undue stresses which may result in inefficient baler operation or damage to these parts.



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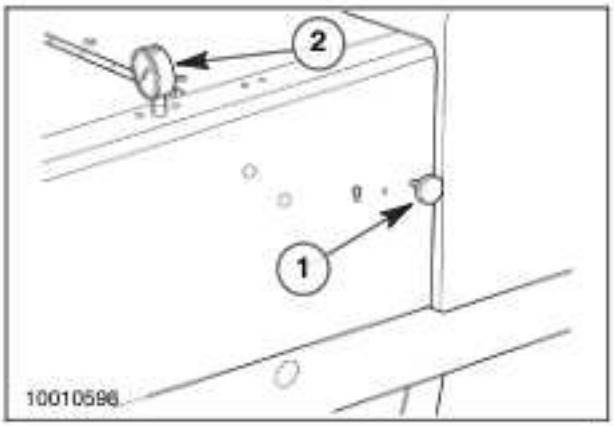
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BALE WEIGHT

The density of the material in the bale, and consequently the bale weight, is determined by the amount of pressure applied to the tension rails by the hydraulic cylinder, 5, Figure 16.

Turning the relief valve knob, 1, clockwise increases the pressure and consequently the bale weight. Turning the knob counterclockwise decreases the pressure and bale weight.

Gauge, 2, indicates the amount of pressure being applied. Experience will help you determine the setting required for your operation.



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IMPORTANT: *Attempting to bale too tightly may cause tying difficulties.*

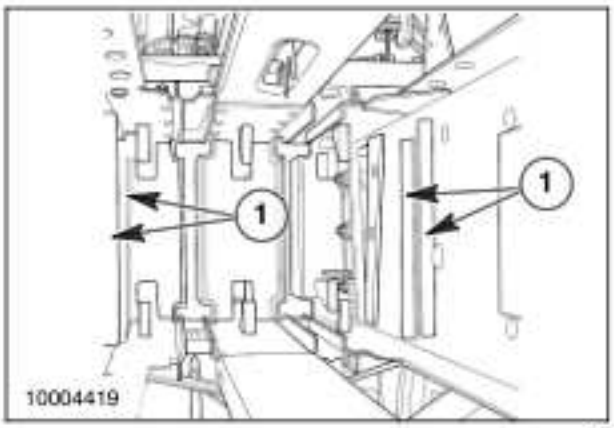
Increasing ground speed usually decreases bale density.

When starting to bale with a new baler, reduce the bale tension for the first few bales until the paint is worn off the inside of the bale chamber.

Additional bale weight may be desired in extremely dry, fluffy materials such as straw. This can be obtained by installing additional hay wedges in the bale chamber. Refer to the Bale Weight (Hay Wedges) section.

BALE WEIGHT (Hay Wedges)

The number of hay wedges, 1, will also affect bale weight. Increasing the number of wedges will increase bale density which will also increase bale weight.



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IMPORTANT: *Never remove the front set of wedges or tying problems may result, especially when baling springy material.*

Always install additional wedges in pairs directly opposite each other. Install the wedges with the tapered edge toward the front and the blunt edge to the rear. Holes are provided for a total of four pairs of wedges.

The bale weight should be adjusted using the hydraulic tension system before adding wedges. Insufficient tension on the bale by the tension rails will result in more variation in bale length and weight.

The side density doors should be adjusted before adding wedges.

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SECTION 3
LUBRICATION

LUBRICATION

Adequate lubrication and maintenance on a regular schedule is vital to maintaining your equipment. To ensure long service and efficient operation, follow the lubrication and maintenance schedules outlined in this manual. The use of proper fuels, oils, grease and filters, as well as keeping the systems clean, will also extend machine and component life.

IMPORTANT: *Always use genuine* ***Case IH*** *replacement parts, oils and filters to ensure proper operation, filtration of engine and hydraulic systems. See your* ***Case IH*** *dealer for additional quantities.*

RECOMMENDED LUBRICANTS

Lubricant	Location Used	Type	Case IH No.	Amount
Oil	Engine and Pivot Points without Grease Fittings, Chains	10W-30	104104A1	1-quart
			104106A1	5-gallons
			139033A1	1-gallon
		15W-40	407410R2	1-quart
			407414R2	5-gallons
Coolant	Engine	Ethylene. Coolant Concentrate		
Hydraulic Oil	Hydraulic System Hydrostatic System Transmission Front Axle Rear Axle Power Steering	HY - Tran Ultra	139029A2	1-gallon
			143945A2	2.5-gallons
			372706R7	5-gallons
Gear Oil	Gearboxes	80W90 SAE API GL5	135H EP Gear Lube	
Grease	All Grease Fittings	High Viscosity Lithium Base-NLGI#2	132096A1	Cartridge

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