SBX520 Baler

Operator's Manual

87533247
Replaces 86627607

CASE IH

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SECTION 2
OPERATION

TRACTOR REQUIREMENTS

For efficient and safe baler operation, use a tractor of at least 26 kw (35 hp) to operate the baler. When operating in hilly conditions or when towing a wagon behind the baler, make sure that the tractor is of sufficient size and weight to be able to maintain control of the baler and a loaded wagon in all possible operating conditions.

A category II or III hitch is required. The PTO must be Type I which is 540 rpm with a 6B spline.

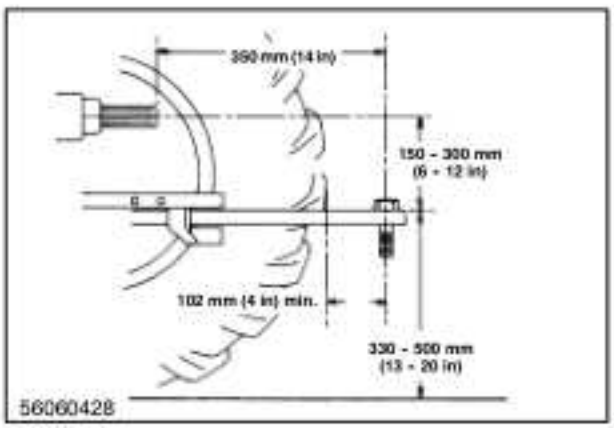
BEFORE USING YOUR BALER

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

The tractor drawbar hitch pin hole must be 356 mm (14 in) from the end of the tractor PTO shaft and at least 102 mm (4 in) past the outside radius of the tractor tire. The drawbar should be centered under the PTO and secured. 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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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 oils and grease, as well as keeping the systems clean, will also extend machine and component life.

IMPORTANT: *Always use genuine* ***Case IH*** *replacement parts and lubricants to ensure proper operation.*

The baler is designed to require a minimum of lubrication. However, regular lubrication is the best insurance against delays and repairs and greatly increases the life of the machine.

Under normal conditions, lubricate the baler daily or after every 1,000 bales of operation, unless otherwise specified.

⚠ WARNING ⚠

Disengage the PTO, turn off the tractor engine and remove the key. Wait for all movement to stop before leaving the operator's position. Never adjust, lubricate, clean or unplug machine with the engine running. Failure to comply could result in death or serious injury.

CLEANING THE BALER

Prior to performing regular inspections, adjustments and lubrication, the baler should be cleaned following use. This is especially critical if the baler is stored outdoors where it is exposed to rain and high moisture. Using the time while cleaning to visually check the unit is a good way to perform a basic baler inspection.

Compressed air is most effective for removing chaff and debris from the many cracks, crevices and corners on the baler. Another highly effective, and very portable option, is the high velocity, high volume air blast from a gas- or electric-powered leaf blower. Remember to wear eye protection any time air is used to clean the baler.

Do not use water to clean the baler. Any debris that inadvertently remains after cleaning, but is soaked with water, may become the source of accelerated rust and corrosion damage.

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PICKUP AREA

PROBLEM	POSSIBLE CAUSE	CORRECTION
Windrow not picked up cleanly.	Missing teeth on pickup.	Replace teeth.
	Pickup carried too high.	Adjust pickup wheel. Teeth to clear ground by 25 - 50 mm (1 - 2 in).
	Pickup flotation too light.	Adjust spring(s) to maintain 12 - 14 kg (25 - 30 lb) weight on pickup wheel.
	Driving too fast.	Slow ground speed.
	Improperly raked windrow.	Rerake windrow. Sometimes baling in opposite direction of raking will improve pickup performance.
	Pickup drive belt slips excessively.	Check and adjust pickup to specifications in this manual.
Pickup teeth bending or breaking.	Pickup set too low.	Adjust pickup wheel. Teeth to clear ground by 25 - 50 mm (1 - 2 in).
	Pickup weight too high.	Adjust lift spring(s) to obtain 12 -14 kg (25 - 30 lb) weight on the pickup wheel.
	Driving through uncut material.	Raise pickup in these areas.
	Driving over ridges or furrows.	Raise pickup in these areas.
	Bent pickup guards.	Straighten guards.
	Pickup drive belt set too tight causing overfeeding.	Check and adjust pickup drive belt.
Pickup wheel or tire failure or bending of pickup wheel support bracket.	Too much weight on pickup.	Adjust lift spring(s) to obtain 12 -14 kg (25 - 30 lb) weight on the pickup wheel.
	Wheel caught on obstruction or dropping in hole when turning.	Raise pickup when turning.
	Pickup down when traveling on roads at high speed.	Raise pickup during transport.
Pickup does not float freely.	Binding in pivot points.	Oil pivot points daily.
	Pickup lift spring(s) improperly adjusted.	Adjust lift spring(s) to obtain 12 -14 kg (25 - 30 lb) on the pickup wheel.
Pickup guards bending.	Driving over rocks, stumps, high spots in field.	Check pickup lift spring(s) for proper flotation.
Pickup belt failure.	Overfeeding	Replace belt tension spring with link #86544355

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Part #86629205

6



Part #86630717

7



Part #87041061

8



Part #87041060

9



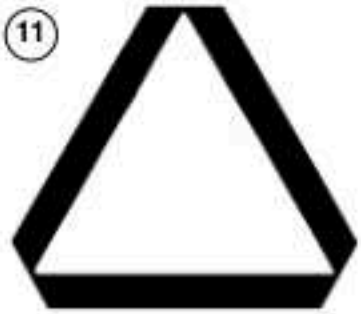
Part #86547782
Yellow Reflective Tape

10



Part #86547781
Red Reflective Tape

11



Part #86547711
Slow-moving Vehicle Sign (SMV)

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