MD72, MD82, MD92 Disc Mowers

Service Manual

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SECTION 00 - GENERAL INFORMATION

Chapter 1 - General Information

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Chapter 3 - Lubrication

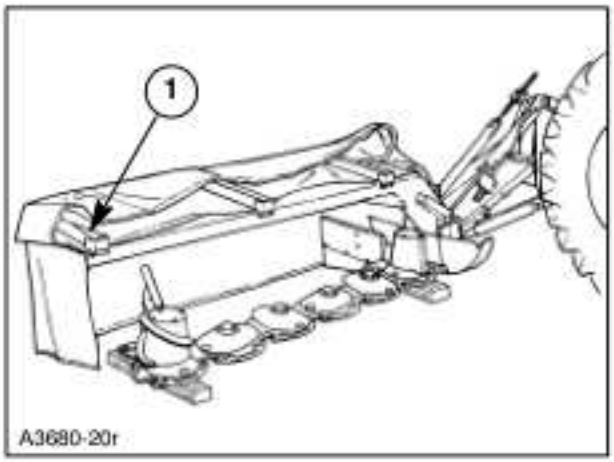
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Lighter cutter bar weight will reduce pull on the tractor, but setting flotation too light will prevent the cutter bar from staying on the ground at faster ground speeds. The cutter bar weight may be felt by lifting on the right end of the canopy support, 1.

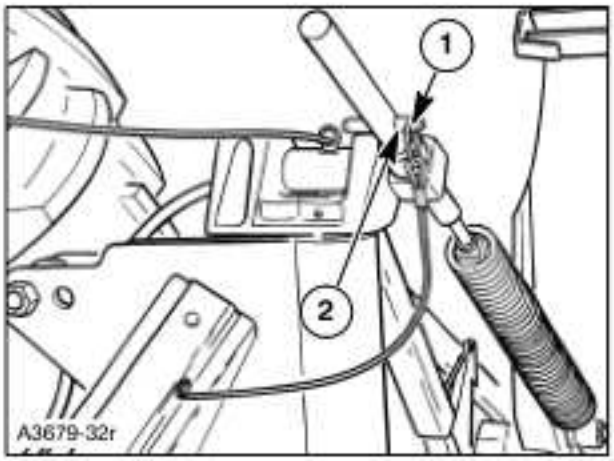
NOTICE: *When completing adjustment, position flotation spring rod so that hole, 2, Figure 39, is slightly above horizontal as viewed from the rear before tightening the jam nut, as this will ease flotation pin installation.*



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After adjustment, reinstall the pin, 1, which is wired to the jack stand in the flotation spring rod hole. The pin has two detent balls and is properly installed when detents are on either side of the flotation spring rod.

NOTICE: *If the pin is inserted too far, the retaining ring may be knocked off and the pin may be lost, causing loss of flotation.*



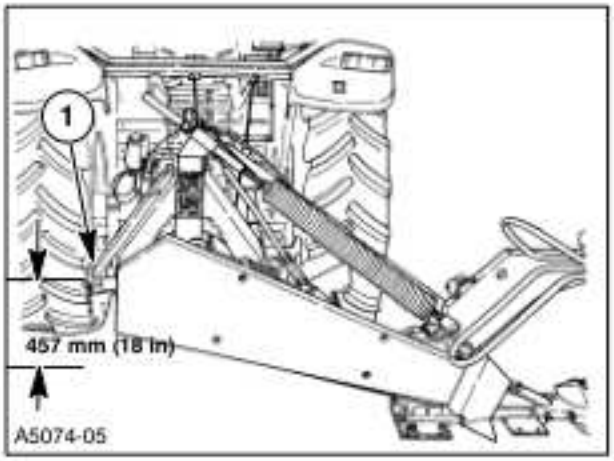
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Model MD92

Cutter bar flotation is controlled by the height of the frame off the ground and the length of the flotation spring.

Adjust the limit chains so the hitch pins, 1, are as close to, but not less than, 457 mm (18 in) as possible from the ground. This adjustment is explained in the "Attaching the Mower to the Tractor" section of this manual.

NOTICE: *If the high stubble kit is installed on the mower, adjust the frame height to 508 mm (20 in) from the ground in order to provide adequate flotation.*



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TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTION
Vibration.	PTO shaft or U-joint damage.	Inspect and repair PTO shaft.
	Material buildup in cutter bar drums.	Remove top cover and clean out drums.
	Cutter bar components damaged or missing.	Inspect and repair components.
Cutter bar not floating.	Main frame setting incorrect.	Adjust check chains to carry main frame 450 mm (18 in) from ground and parallel.
	Cutter bar pivot points binding.	Clean and lubricate pivot points.
	Flotation system not engaged.	Install jack pin into flotation spring upper rod.
	Flotation spring adjustment.	Adjust flotation spring tension.
	High stubble kit installed.	Readjust check chains to carry main frame 508 mm (20 in) from ground and parallel.
Machine breaking back too easily.	Insufficient tension on breakaway spring.	Tighten breakaway spring until nut bottoms out.
	Ground speed too fast for crop conditions.	Reduce ground speed.
	Insufficient cutter bar flotation.	Check and adjust flotation system.
Difficulty in obtaining correct angle on cutter bar.	Lack of adjustment on top link.	Reposition top link to rear hole in main frame.
Uneven stubble/streaking.	Too much tilt on cutter bar.	Reduce tilt.
	Low PTO speed.	Run PTO at 540 rpm. (Do not over-speed)
	Excessive forward speed.	Reduce forward speed.
	Knives dull or broken.	Install new knives.
	Knives stuck under disc.	Straighten or replace knives.
	Knives installed on wrong discs.	Install knives on correct discs.
	Drive belt loose.	Tighten drive belt spring to correct length.

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