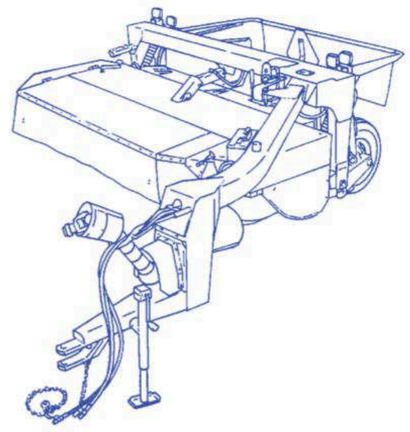


NEW HOLLAND

REPAIR MANUAL

1411
1412

NEW HOLLAND

SERVICE

86630282 10/01

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SECTION 00 – GENERAL INFORMATION

Chapter 1 – General Information

CONTENTS

Section	Description	Page
	Foreword	00-2
	Precautionary Statements	00-3
	Safety	00-4
	Serial Number	00-6
	Manual Holder	00-6
	Hardware Torque Values	00-7
	Installation of Adjustable Fittings	00-10
	Standard Torque Data For Hydraulic Tubes and Fittings	00-10
	Pipe Thread Fitting Torque	00-11
	Installation of ORFS (O Ring Flat Faced) Fittings	00-11
	Ecology and the Environment	00-12
	International Symbols	00-13
	Tractor Requirements	00-14
	Tractor Drawbar Dimensions	00-15
	Attaching the Mower-conditioner to the Tractor	00-16
	Jack Assembly	00-16
	Hydraulic Hoses	00-17
	Hydraulic Cylinders	00-18
	Connecting Hydraulic Hoses to the Tractor	00-18
	Bleeding Air from the Lift Cylinders	00-19
	Transporting the Mower-conditioner	00-20
	Slow-moving Vehicle Emblem	00-20
	Transporting On Highways	00-20
	Safety Chain	00-20
	Trailing Lights	00-20
	Towing with a Tractor	00-21
	Towing with a Truck	00-22
	Parking the Machine	00-23
	Storing the Mower-conditioner	00-23
	Specifications	00-24

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CUTTER BAR FLOTATION

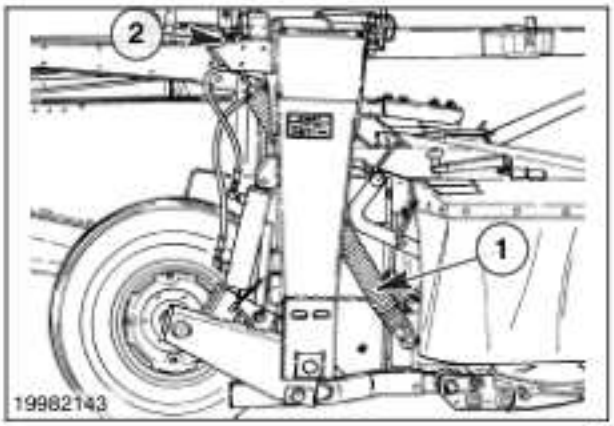
The cutter bar flotation is controlled by flotation springs, 1, at each end of the header.

Adjust the cutter bar flotation for about 45 - 55 kg (100 - 120 lbs.) at each end of the header, if operating in rocky fields at lower 5 - 8 KPH (3 - 5 MPH) ground speeds. If the 1412 is to be operated in relatively smooth fields at higher 8 - 11 KPH (5 - 7 MPH) ground speeds, it may be necessary to adjust the flotation to obtain 59 - 68 kg (130 - 150 lbs.) weight at each end of the header to prevent excessive header bounce.

NOTE: *Do not exceed 68 kg (150 lbs.) flotation force, or header damage may result.*

Turn adjusting bolts, 2, as required. Check flotation with the header swung fully to the right, lowered to the ground, and tilted as desired.

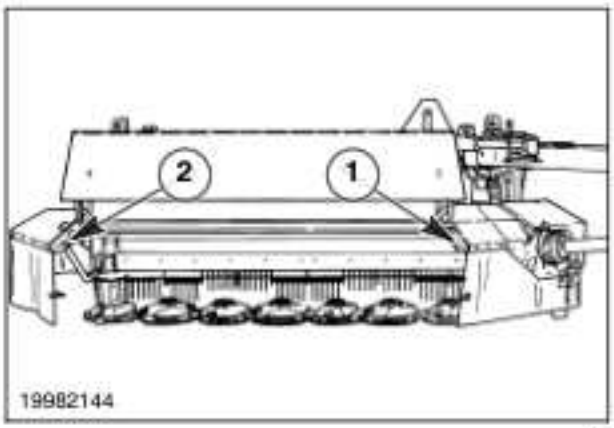
NOTE: *The cutter bar flotation should be checked and adjusted when using tractors with different drawbar heights, or when installing or removing the high stubble kit.*



13

Raise the cutter bar center shield and lift on the left and right end supports, 1 and 2. Operating with heavier than necessary weight results in side draft and excessive wear to cutter bar components. If the header is too light, long stubble results when the header does not quickly return to ground level after crossing a bump.

NOTE: *Check flotation frequently, because crop and dirt buildup can cause the flotation weights to change.*



14

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TROUBLESHOOTING

MODEL 1411

PROBLEM	POSSIBLE CAUSE	CORRECTION
Leaves damaged or stripped off stems.	Too much pressure on the rolls.	Reduce the pressure until the leaves are not damaged.
Leaving ragged or long stubble.	Ground speed too fast.	Reduce the ground speed.
	Dull, bent, or broken knives.	Turn over or replace the knives.
	Knives installed on wrong discs.	Install knives on correct discs.
	PTO speed too slow.	Maintain RPM on the tractor PTO. (Do not overspeed.)
	Cutting too high.	Remove high stubble kit, if installed. Increase header tilt.
	Header flotation too light.	Adjust flotation springs to increase header flotation weight.
Excessive breakage of the knives.	Cutting too low in stony conditions.	Raise the cutting height with header tilt. Install high stubble kit.
	Header flotation too heavy for stony fields.	Adjust the flotation springs to float the header with 45 kg (100 lbs.) force, per side.
	Ground speed too high in stony conditions.	Reduce ground speed.
Not cutting short enough in down material.	Ground speed too fast.	Reduce ground speed.
	Broken, bent, or dull knives.	Replace the knives or turn over the knives.
	Cutting height too high.	Lower the cutting height by tilting the header.
	Tractor PTO speed too slow.	Maintain tractor PTO RPM. (Do not overspeed.)
Strip of run-down, uncut material.	Ground speed too fast.	Use slower ground speed.
	Crowding of the uncut material.	Do not crowd the uncut material.
	Missing or dull knives.	Replace or turn over the knives.
	Material buildup on cutter bar.	Clean off cutter bar. Tilt cutter bar back towards horizontal to reduce material buildup.

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