

NEW HOLLAND

71C
73C

REPAIR MANUAL

NEW HOLLAND
SERVICE

86622081 7/01

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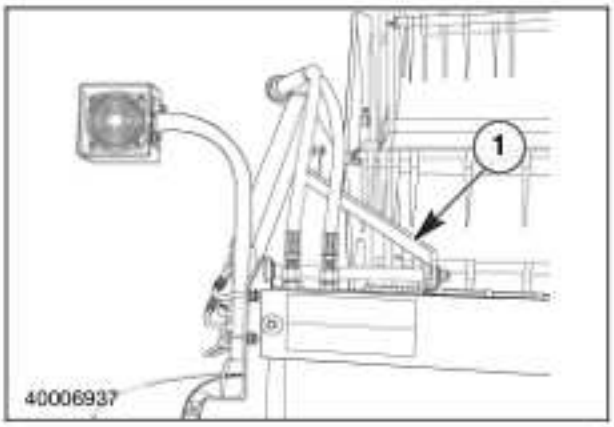
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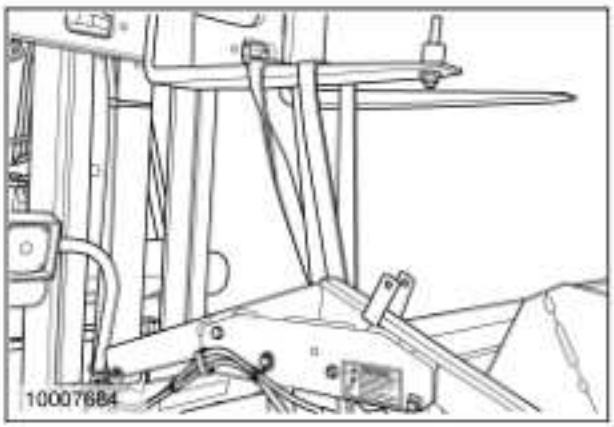
AUGER REMOVAL

Remove the reel arm support braces, 1, from both ends of the head.



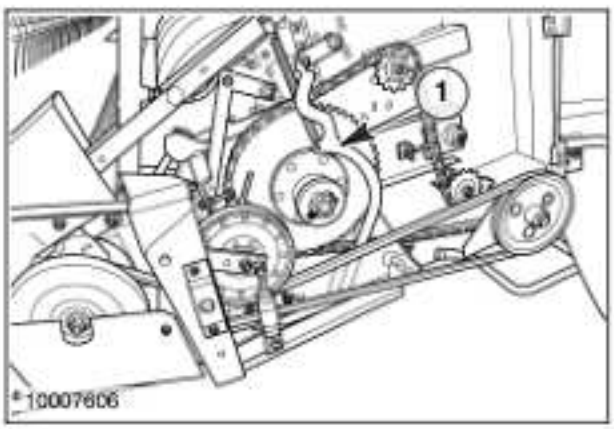
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Rotate the auger until the access panel on the right side is at the top. Support the weight of the auger at both ends with tow motors or other suitable lifting devices.



5

NOTE: *For flexible grain heads, apply match marks and remove the actuating rod, 1.*



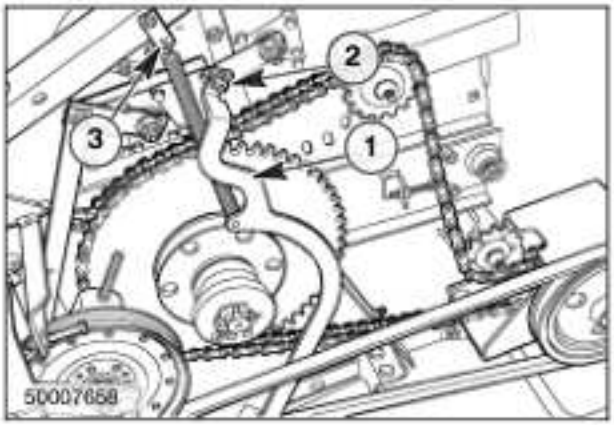
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SECTION 4 - SLIP CLUTCH

SLIP CLUTCH

A mechanical slip clutch is used in the drive circuit to prevent damage to the auger or drive components. The inner clutch plate is held stationary in relation to the drive sprocket using six integral pins that fit into holes drilled in the sprocket. The outer clutch plate is held stationary in relation to the drive hub using the same method. Two clutch plates are pressed together by a stiff spring. The spring tension is adjusted by varying the number or shims between the hub and itself. A spline shaft transfers the torque from the hub to the auger. When the auger becomes jammed, the spine shaft and hub will become more difficult to rotate. If the torque required to turn the auger is greater than 1491 N·m (1100 ft. lbs.), beveled teeth will allow relative motion between the clutch plates, protecting the auger drive components.



1

Slip Clutch Removal/Disassembly

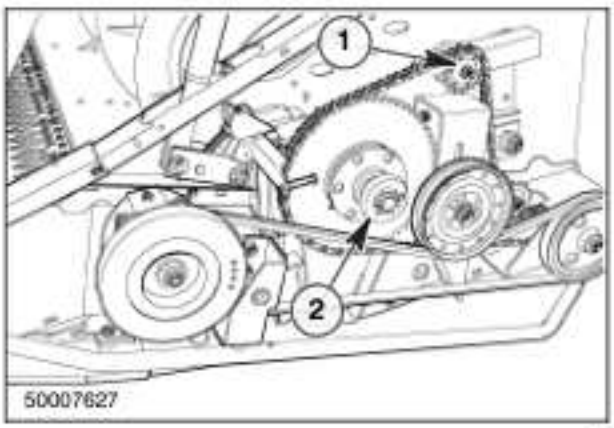
Match mark and remove the limit switch actuating rod, 1, at 2 and 3 if equipped.

Loosen the auger drive chain idler sprocket, 1. Lift the chain from the auger drive sprocket and set it out of the way.

NOTE: *The clutch spring will become fully expanded before the retaining nut has been completely removed from the auger shaft.*

NOTE: *The auger shaft possesses left hand threads.*

Remove the cotter pin from the clutch spring retaining nut at 2. Turn off the retaining nut.



2

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PROBLEM	POSSIBLE CAUSE	CORRECTION
Head oscillates side-to-side (automatic lateral float only).	Lateral float switches not adjusted to head height control switches.	Adjust lateral float switches.
Head rotates to one side (automatic lateral float only).	Hoses to feeder tilt cylinders reversed.	Reverse hoses.
Occurs during initial start after assembly or repair.	Electric wires at the hydraulic valve reversed.	Reverse wires.
Head does not correct parallel to ground (automatic lateral float only).	Lateral float switches not adjusted the same on each end of the head.	Readjust lateral float switches.
Automatic head height activating too much.	Microswitches too sensitive for ground conditions.	Relocate sensing strap that attaches to sensing bar.
	Head raise or lower rate is too fast.	Adjust head raise or lower rate.
Terrain Tracer (lateral float) activating too much.	Microswitches too sensitive for ground conditions.	Relocate Terrain Tracer strap on microswitch arm.
	Head raise or lower rate is too fast.	Adjust head raise or lower rate.

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