2200 Series Corn Head

Operator's Manual

87058564 – 9/05

CASE IH AGRICULTURE

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COMBINE REAR WEIGHT REQUIREMENTS

To ensure combine stability while combining corn, use only the recommended head sizes and rear weight packages for the combine.

A steering axle weight bracket and weights are available from your Case IH dealer. Each weight, 1, is 45.5 kg (100 lbs.). Two sizes of header weight brackets are available from your Case IH Dealer. The number of weights needed varies by combine and header size. Consult "Combine Weight Requirement Chart".

Wheel weights are available for 480-70R24 or 540-65R24 guide tires on non-power guide axles. Up to three weights can be added to each wheel.

If additional ballast is required, add fluid (calcium chloride solution) to the steering tires as required.

Fewer weights are required when a Power Guide axle is installed on the combine. The Power Guide axle weighs approximately 182 kg. (400 lbs.) more than the standard axle.

If harvesting in areas where steep slopes are common, the combine should be equipped with the maximum weight at the rear, regardless of the head size.

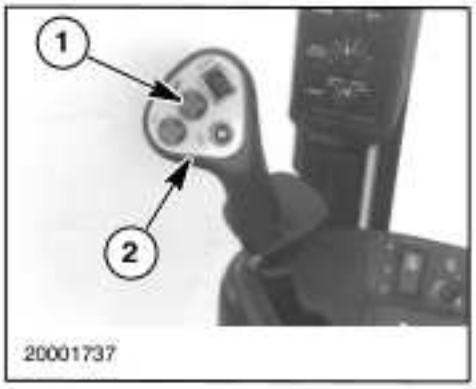


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CORN HEAD OPERATING HEIGHT

The corn head can be raised and lowered (tilted left or right if equipped with the Field Tracker® option) using the Feeder Raise/Lower switch, 1. The control switch is located on the combine propulsion handle, 2. Use the feeder raise/lower switch to adjust the operating height as required.



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For 2300 Series Combines:

To lower the corn head, push the top (-) of the switch. To raise the corn head, push the bottom (+) of the switch.

For other combine models, consult the combine operator's manual for correct operation.

NOTE: *The corn head raise and lowering speed can be adjusted with the header raise rate and lowering rate controls located under the right console armrest. Refer to "Adjusting Head Raise and Lower Rate" in the General Information section of this manual for more information.*

IMPORTANT: *When connecting to a specific corn head for the first time, the combine height display needs to be calibrated. Refer to AHHC Calibration section in your combine Operator's Manual for more information.*

NOTE: *If using auto header height with 2300 Series Combines equipped with three lift cylinders, make sure the AHHC system has been properly calibrated. Refer to the header calibration section of the combine operator's manual for more information.*

Always operate the corn head as high as practical according to the field and crop conditions. This will permit handling a minimal amount of material, and can help prevent possible damage to the gathering chains and sprockets due to rocks or obstructions in the field.

NOTE: *The position of the divider points should be adjusted to match the crop conditions and operating height of the head. Refer to "Divider Point Adjustment" later in this section.*

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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.*

Lubricant	Location Used	Type	Case IH No.	Amount
Oil	Pivot Points without Grease Fittings, Auger Drive Chains	10W-30	104104A1	1-quart
			104106A1	5-gallons
			139033A1	1-gallon
		15W-40	407410R2	1-quart
			407414R2	5-gallons
Hydraulic Oil	Hydraulic System	HY-Tran Ultra	139029A2	1-gallon
			143945A2	2.5-gallons
			372705R7	5-gallons
Gear Oil	Main Drive 2-Speed Gearboxes, Main Drive Chains (in oil bath)	80W90 SAE API GL5	135H EP Gear Lube	
Grease	All Grease Fittings	High Viscosity Lithium Base-L+NLGI#2	132096A1	Cartridge
Grease	Corn Head Row Unit Gearbox	0-51H-EP	B95920	14oz Tube/ Cartridge

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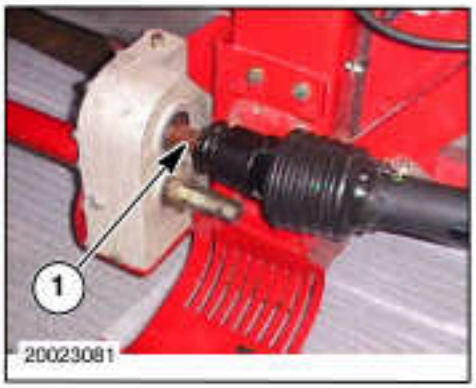
To change to the low operating speed of the head, install the PTO driveshaft on the lower shaft of the gearbox, 1, by pulling back the locking collar and slide the PTO driveshaft onto the gearbox shaft until the pins engage in the gearbox shaft groove when the collar is released.



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To change to the high operating speed of the head, install the PTO driveshaft onto the upper shaft of the gearbox, 1, by pulling back the locking collar and slide the PTO driveshaft onto the gearbox shaft until the pins engage in the gearbox shaft groove when the collar is released.

IMPORTANT: *On 2208 and 2212 heads with two gearboxes, ensure the PTO driveshafts are installed on the same gearbox shafts so that the entire header is operated at the same speed.*



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Auger Speeds

A two speed auger drive is standard on 2006 model year headers and newer, and available as an option on earlier units.

High and low speed settings are achieved by loosening the chain tension and reversing sprocket, 1. For low speed, install the smaller sprocket closer to the end sheet. For high speed, install the larger sprocket closer to the end sheet.



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AUGER SLIP CLUTCH

⚠ WARNING ⚠

Keep hands and feet away from rotating stalk rolls and moving gathering chains.

Adjust the slip clutch, 1, to provide enough torque to drive the auger without slipping under normal conditions. Under extremely heavy loading, the slip clutch should slip to eliminate damage to the auger and its drives.



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NOTE: *2208-36", 2208-38", 2212-22" and 2212-30" heads have two slip clutches; one on each end of the corn head.*

Auger Slip Clutch Field Check/ Adjustment

This procedure is to be used to check the clutch slip torque installed on the corn head, and to make adjustments as necessary to obtain the proper slip torque to eliminate damage to the auger and its' drives. Refer to the 2200 Series Corn Head Repair Manual for repairs.

1. Disconnect the auger drive chain, 2, Figure 15, and remove it from the slip clutch sprocket.
2. Remove the PTO drive shaft from the two speed gearbox, 1.
3. Using a torque wrench and 1-1/4" socket on the lower gearbox shaft, take a torque reading required to turn the lower shaft. This is reading "A".
4. Connect auger drive chain, 2, Figure 15.



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