

Sugar Cane Harvester CH570 & CH670 Quick Reference Guide



moo.enbedndob.www

Code: CXT14619 - F5 Quick Reference Guide





1.1 - Operator's Manual

* This Quick Reference Guide does not substitute for reading and understanding by the user of the guidelines contained in the Operator's Manual. The images placed here are merely illustrative. Read carefully and follow all instructions in the Operator's Manual. For questions regarding the use of the equipment, see your John Deere dealer for vour region.



Before operating the harvester or performing any maintenance or for information regarding safety, please read the safety section of Operator's

2 - CAB

2.1 - Access to the Cab

Enter and exit the cab facing the machine. All controls to operate the harvester are located inside the cab.



Always use the stairs and handrails up and down the access platform

2.2 - Controls and Instruments

Become familiar with switches and controls, before operating the machine.

- A Multi-Function Lever
- B GreenStar™ 3 (GS3) 2630 Display
- C CommandARM™ Controls
- D Armrest Console Controls

Move multi-function lever (A) forward to move harvester forward or pull back to move harvester in reverse.

To put machine in neutral, move multi-function lever to the center position.

Pull lever (E) under palm rest and adjust palm rest to desired position.

CommandARM™ Controls

- A Left-Hand Topper Engage Switch
- B Right-Hand Topper Engage Switch
- C Left-Hand Side Knife Engage Switch (If Equipped)
- D Right-Hand Side Knife Engage Switch (If Equipped)
- E Left-Hand Crop Divider Tilt Up Switch (If Equipped)
- F Right-Hand Crop Divider Tilt Up Switch (If Equipped)
- G Left-Hand Crop Divider Tilt Down Switch (If Equipped) H - Right-Hand Crop Divider Tilt Down Switch
- (If Equipped)
- I Primary Extractor Engage Switch
- J Secondary Extractor Engage Switch (If Equipped)
- K Primary Extractor Hood Rotate Left Switch L - Primary Extractor Hood Rotate Right
- Switch
- M Confirm Switch
- N Cancel Switch O - Main Menu Switch
- P Home Switch
- Q Selection Dial
- R A J Shortcut Switches S - Knockdown Roller Raise/Lower Switch
- T Left-Hand Side Knife Raise/Lower Switch
- U Right-Hand Side Knife Raise/Lower Switch y -V - Elevator Reverse Switch
- W Elevator Raise Switch
- X Elevator Lower Switch





ClimaTrak™ Automatic Temperature

Z - Radio Function Switches (If Equipped)

AA -Light Switches

Armrest Console Controls

- Harvesting Functions Switch (Crop Divider, Base Cutter, Feed Rollers, and Chopper)
- Auxiliary Function Switch (Side Knives, Primary Extractor, Elevator and Secondary Extractor)
- C Positive Traction Engage Switch (If Equipped)
- D Automatic FieldCruise™ Engage Switch
- E High Engine Speed Switch F - Medium Engine Speed Switch
- G Low Engine Speed Switch
- Travel Speed Switches
- 1 Low 2 - Medium
- 3 High
- Park Brake Switch
- Road Transport Disconnect Switch K - Floating Crop Dividers Engage Switch
- Contour Base Cutter Height Control Engage Switch
- M Configurable Encoder
- N Propulsion Encoder
- O Alarm and Operator Controls Switch
- P Cooling Fan Reversing Switch
- Q Side Windows Washer Switch R - Side Windows Wiper Switches
- S Diagnostic Switch

Switches Multi-Function Lever

- A Harvesting Function Quick Stop Switch
- B Configurable Switch
- C AutoTrac™ Resume Switch
- D Elevator Discharge Flap Out Switch
- E Elevator Discharge Flap In Switch F - Secondary Extractor Hood Rotate Left
- G Secondary Extractor Hood Rotate Right Switch
- H Base Cutter Raise Switch
- I Base Cutter Lower Switch J - Topper Raise Switch
- K Topper Lower Switch
- I Flevator Swing Left Switch M - Elevator Swing Right Switch
- N Elevator ON and OFF Switch
- O Right-Hand Crop Divider Raise Switch
- P Right-Hand Crop Divider Lower Switch
- Q Left-Hand Crop Divider Raise Switch
- R Left-Hand Crop Divider Lower Switch S - Horn Switch

Control Pedals

- A LH Elevator Swing Pedal (If Equipped) B - RH Elevator Swing Pedal (If Equipped)
- C LH Brake Pedal (Wheel Machines Only)
- D RH Brake Pedal (Wheel Machines Only)
- E Steering Column Horizontal Adjustmen

3 - TOPPER

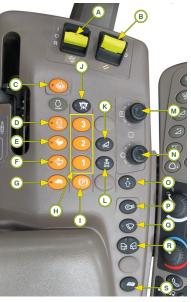
Eliminates top and leaves of the plant in the height determinate by the operator.



The height of the sugar cane determines what position the topper should be operated.

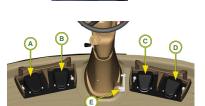
3.1 - Cutting Height Adjustment

Press switch (A) to raise or switch (B) to lower the topper until desired height.











3.2 - Operation and Direction Rotation

Operate and change the direction rotation of topper pressing the switches (C).



Always allow topper to stop completely rotating before changing rotational direction



4 - CROP DIVIDERS Separating rows of downed or tangled cane.

- A Crop Divider Scrolls
- B Outer Scrolls
- C Side Knives (If equipped)



4.1 - Operation Crop Dividers

To engage harvesting functions, push down and push forward the switch (A).

Push down and push forward on switch to enable side knives.

Floating Crop Dividers

Press switch (B) to enable the floating.

4.2 - Adjust Crop Divider

Use switches (E) and (F) to adjust tilt of the dividers up or down.

Adjust height the dividers pressing switches (I).



Side Knives

Press switches (G) and (H) to adjust side knives in desired position.

Change direction rotation pressing switches

5 - KNOCKDOWN ROLLERS

A - Adjustable Upper Roller

B - Lower Roller

The position of upper roller (A) can be manually adjusted or by switches (C), if equipped, in desired position.





6 - BASE CUTTER

Is a pair of counter-rotating disks (A) with replaceable blades (B) designed to cleanly cut









cane at ground level.





Press switch (C) to raise or switch (D) to lower the base cutter to desired cut height.

Press switch (E) to enable floating base cutter.

To engage harvesting functions, push down and push forward the switch (F).

3008

7 - HYDRAULIC SYSTEM

7.1 - Pump Drive Gear Case

When filling the hydraulic reservoir rer

vent plug (D) and close it after filling.

The level should be within the green rectangle

if necessary add oil, removing fill plug (B).

Check level when oil is cold.

A - Filter

D - Vent Cap

A - Sight Gauge

B - Fill Plug

Note

B - Supply Connector

C - Oil Level Sight Gauge



Engage the extractor pressing switch (A).

Use switches (B) to rotate extractor hood to right or left.



If necessary, add oil at the fill tube (C).



Transports and dumps the chopped cane in transport systems.

11.1 - Operation Elevator

To turn Off or On elevator, pressing switch (A).

Use switch (B) to swing elevator left or right, until desired position.

Press and hold elevator reverse switch (B) to

To raise or lower the elevator press switches (D and E).





11 - ELEVATOR

operate elevator in reverse.





12 - ENGINE

12.1 - Cooling System

Add coolant in expansion tank, whenever necessary.

A - Reservoir

B - Cap



The coolant should be the proportion of water and additive recommended in the Operator's Manual.



8 - FEED ROLLERS

The feed rollers carry the flow of cane to the chopper to cut uniform sized billets.



12.2 - Fuel System

A - Primary Fuel Filter

B - Secondary Fuel Filter

C - Prefilter Element



The fuel purity and cleanliness are factors for the proper functioning of the system



9 - CHOPPER

Cuts the clean cane billets and then delivers the billets to the elevator basket.



The choppers blades should always be in good condition and synchronized, thus reducing losses and increasing efficiency.



12.3 - Air Supply System

A - Primary Filter

B - Safety Filter



The safety air filters CANNOT be cleaned for reuse. If filter is not functioning properly it must



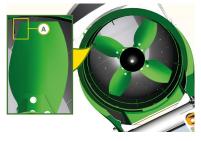
10 - EXTRACTOR

The extractor removes trash, leaves and dirt from the cane.



Caution!

Replace fan blade when blade thickness at location (A) is at 5,00 mm (0.197 in.). See the Operator's Manual for details.



12.4 - Lubrication System

Check level of engine oil, removing dipstick (A) and level should be in the range of the crosshatch pattern of the dipstick.



See the Operator's Manual for information ab changing the oil and filter (B) system



13 - ELECTRICAL SYSTEM

Fuses are protection devices that break whenever excessive current flows through the circuit.

A - Fuse Box

B - Batteries Cover

Fuse center is on front, left-hand side of harvester.

Batteries are on left-hand side of cab platform.



Before making repairs to the electrical system, turn the battery disconnect switch, avoiding the risk of short circuit.



16 - MAINTENANCE

16.1 - Contamination Risks



Always dispose of waste properly in appropriate containers. Clean and





14 - DIGITAL CORNERPOST DISPLAY

A - Left Turn Signal Indicator

B - Stop Engine Warning Indicator

C - Service Warning Indicator

D - Information Warning Indicator E - Right Turn Signal Indicator

F - Not Used

G - High Beam Indicator

H - Not Used

I - Engine Power Meter Indicator

J - Engine Temperature Indicator

K - Fuel Gauge Indicator L - Not Used

M - Transmission Gear or Range Indicator N - Park Brake Indicator

O - Neutral Indicator

P - Engine Speed Indicator

Q - Ground Speed Indicator

R - Base Cutter Cutting Pressure

S - Hydraulic Oil Temperature

T - Base Cutter Actual Height U - Base Cutter Target Height

V - Extractor Fan RPM

15 - GreenStar™ 3 2630 DISPLAY SCREENS

Touch in the icon of desired system to advance to display screen and to access setups.

A - Sugar Main

B - Floating Crop Dividers and Contour Base Cutter Height Control Setup

C - Alarm and Operator Controls Setup D - Extractor Fan Setup

E - Engine Setup

F - Drivetrain Control Setup

G - Elevator Setup

H - Harvester Activity Monitor 16.2 - Good Practices for Maintenance

- Check fluid levels: engine oil, hydraulic oil, engine coolant, and diesel
- Inspect blades on: side knives (if equipped), base cutter, chopper, topper, primary extractor, and secondary extractor (if equipped).

Clean harvester of excess mud and trash.

- Check engine belt and tensioner.

Check tension of elevator chain.

Check fluid level: final drives base cutter, chopper and pump drive



Lubricate points indicated in Operator's Manual

Clean air conditioning recirculation filter Inspect the elevator support cable for signs of wear, frays, or breaks

Change engine oil and filter Change hydraulic oil filters

Change fuel filters Change pump drive gear case oil

Change chopper gear case oil Change base cutter gear case oil

Change final drive oil - Wheel and 2 speed track machines Change final drive oil - Track machines

Collect fluid sample: Hydraulic oil

Collect fluid sample: Coolant Replace torsional dampener rubber blocks

Replace thermostats and gaskets



25 50 Ш

29 \$ 0.0 ×100 kPa



