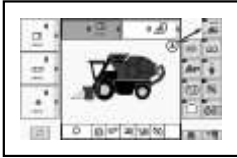
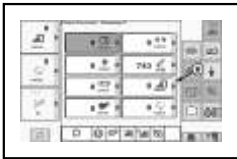




omkk33832 - CP690 Cotton Picker -: (Export Edition) - Check and Adjust Cotton Handling System Speed Sensors



N124980-UN: Home Page Button



N124978-UN: Home Page Screen 2

LEGEND:

A - Home Page Button

B - Drop-Down Arrow

If module forming or wrap process does not initiate properly when operating machine in auto mode, check feeding component operating speeds as follows and adjust applicable sensors as necessary.

1. Start engine and wait a few seconds for control units and CommandCenter™ display to initialize.
2. Press home page button (A) on CommandCenter™ display.
3. Home page screen 2 appears on the display. Screen 2 shows the current readout for previously selected sensors.
4. If the speed sensor data for any of the components listed in the following table is not currently shown on the display screen, select the drop-down arrow (B) on any unneeded data box. Select the needed data item from the drop-down menu and the new selection appears in that data box.
5. With the machine at high idle, press the floor switch to engage the cotton handling system. Operate the system for at least 5—10 minutes to ensure that hydraulic oil is warm before monitoring speeds.
6. Check the following component speeds on the display:

-: CHS Component Speeds

Cotton Handling System Component Speeds	
Component	Nominal Speed (rpm)
Feeder Belt	275
Beater Rollers	400
Metering Rollers	30
Round Module Builder (Baler) During Forming Process	120
Round Module Builder (Baler) During Wrapping Process	140 and 60
Cotton Fan	4300
Wrap Roller Speed During First Stage of Wrap Sequence	233
Wrap Roller Speed During Separation Stage of Wrap Sequence	100

7. If any speed is out of range or reading fluctuates by more than 5 percent, check sensor position and adjust as necessary.

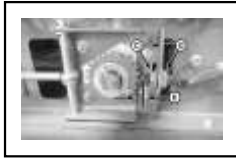
8.

NOTE:

*See diagrams following this procedure for sensor locations.
A standard tie band is approximately 1 mm thick and can be used to check gap.*



N101138-UN: Fan Speed Sensor Adjustment



N125023-UN: Feeder Belt Speed Sensor Adjustment

LEGEND:

A - Lock Nut

B - Fan Speed Sensor

C - Lock Nut

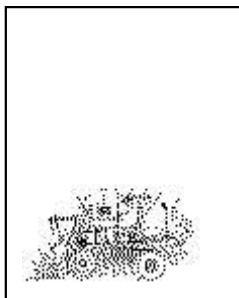
D - Adjusting Nut

E - Gap

Cotton Fan speed sensor adjustment. Loosen lock nut (A) and screw the fan speed sensor (B) in until it contacts fan rotor. Unscrew sensor two full turns and tighten lock nut.

9. **All RMB component speed sensor adjustment.** Loosen lock nut (C) and turn adjusting nut (D) to adjust position of sensor to set gap (E) to approximately 1 mm (0.039 in). Make sure that sensor is aligned with the tone wheel.
10. If speeds are still out of range, perform RMB calibration. See CALIBRATION SCREENS procedure in the CommandCenter™ Display Screens section.

Sensor Location Diagrams



N119702-UN: Speed Sensor Locations-Left Side

LEGEND:

A - Accumulator Position Switch

B - Upper Accumulator Sensor (Receiver)

C - Rockshaft Position Sensor

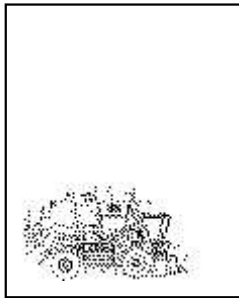
D - Upper RMB Speed Sensor

E - Gate Position Sensor

F - Lower RMB Speed Sensor

G - Wrap Hoist Position Sensor

H - Gate in Handler Switch
 I - Rear Bale On Handler Sensor (Receiver)
 J - Wrap Speed Sensor
 K - Front Bale On Handler Sensor (Receiver)
 L - Wrap Separation Sensor
 M - Ladder Position Switch
 N - Wheel Angle Sensor
 O - Gate Latch Switch
 P - RMB Lock-Unlock Switches
 Q - Beater Roller Speed Sensor
 R - Feeder Belt Speed Sensor
 S - Metering Roller Speed Sensor
 T - Fan Speed Sensor
 U - Rear Drum Speed Sensor
 V - Front Drum Speed Sensor
 W - Header Height Sensors



N119703-UN: Speed Sensor Locations-Right Side

LEGEND:

A - Lower Accumulator Sensor (Emitter) (3 used)
 B - Upper Accumulator Sensor (Emitter)
 C - Accumulator Position Switch
 D - Lower Accumulator Sensor (Receiver) (3 used)
 E - Unit Reduction Gearcase Speed Sensor (2 used)
 F - Row Sense Crop Sensor
 G - Fan Speed Sensor
 H - RMB Lock-Unlock Switches
 I - Gate Latch Switch
 J - Handler Position Sensor
 K - Front Bale On Handler Sensor (Emitter)
 L - Gate in Handler Switch

M - Rear Bale On Handler Sensor (Emitter)

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