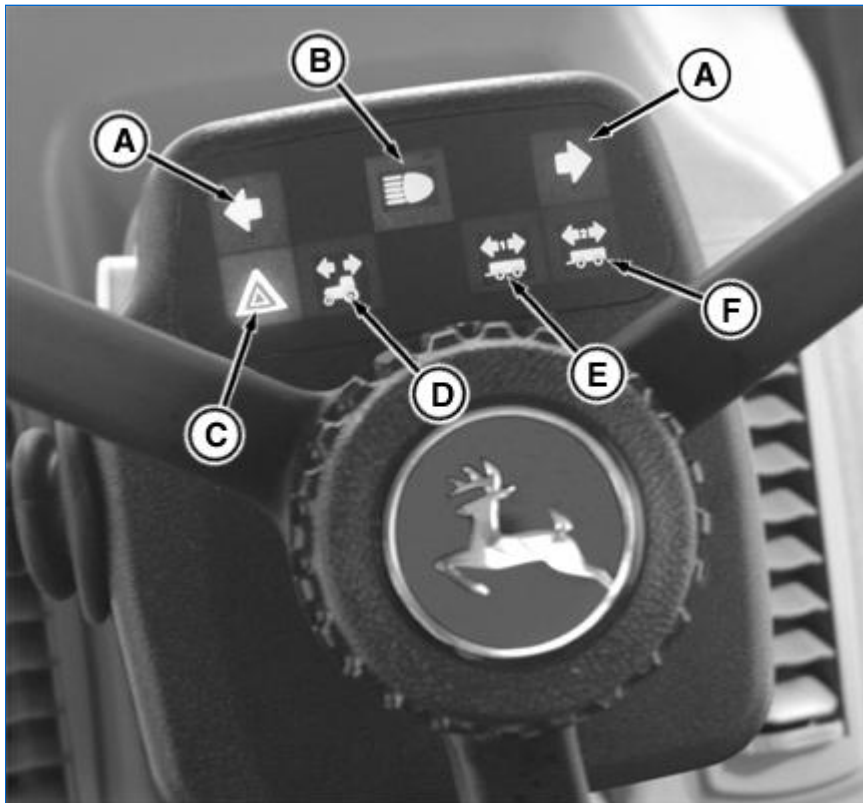


**omar178078 - 8120, 8220, 8320, 8420, and 8520 Tractors (European Edition)**  
**Front Console Display**

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**Front Console Display**



RXA0056330-UN: Front Console Display

LEGEND:

- A - Turn Indicators
- B - High-Beam Indicator
- C - Hazard Light Indicator
- D - Tractor Light Indicator
- E - Trailer 1 Light Indicator
- F - Trailer 2 Light Indicator

# omar178078 - 8120, 8220, 8320, 8420, and 8520 Tractors (European Edition) Corner Post Display

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## Corner Post Display



RW26225-UN: Corner Post Display

### LEGEND:

- A - Stop Engine Symbol
- B - Service Alert Symbol
- C - Engine Speed
- D - Transmission Gear
- E - Ground Speed [ Displays True Ground Speed With Radar; Displays Wheel Speed With No Radar ]

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Hello dear friend!

Thank you very much for reading.

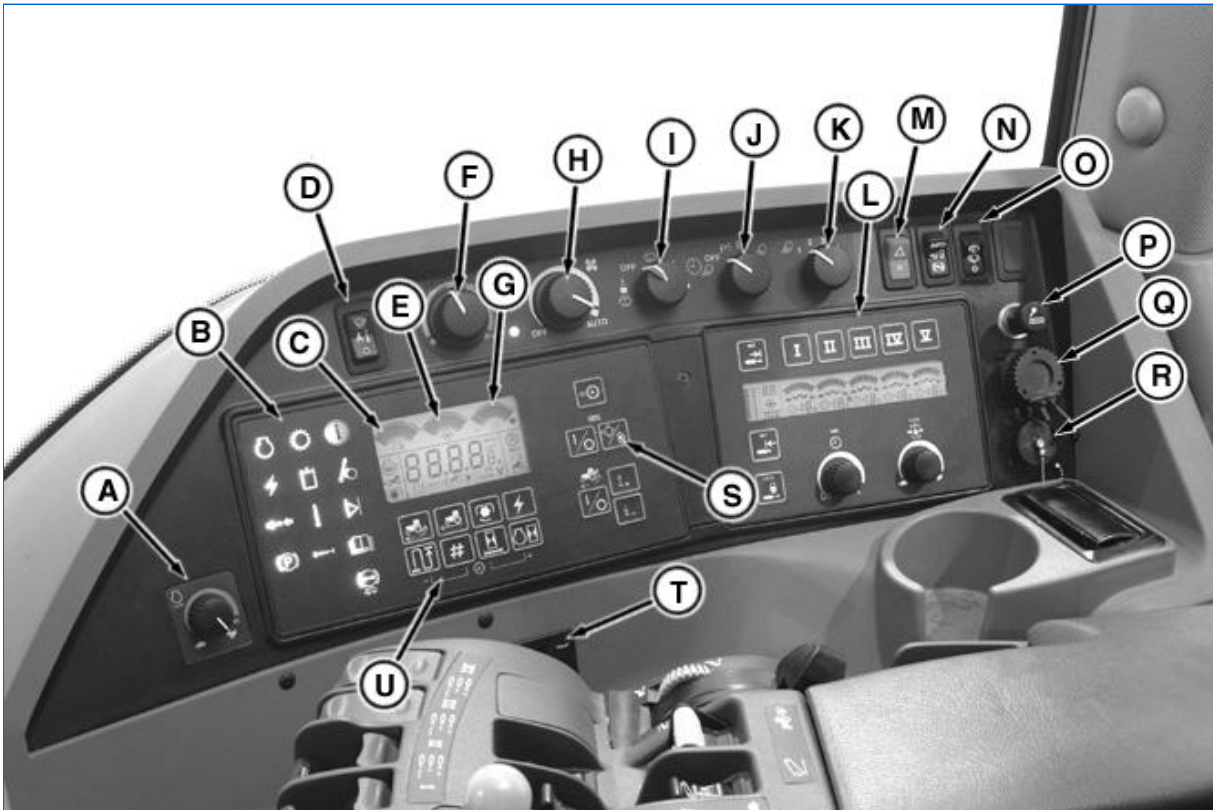
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# omar178078 - 8120, 8220, 8320, 8420, and 8520 Tractors (European Edition) Side Console

## Side Console



RXA0056331-UN: Side Console

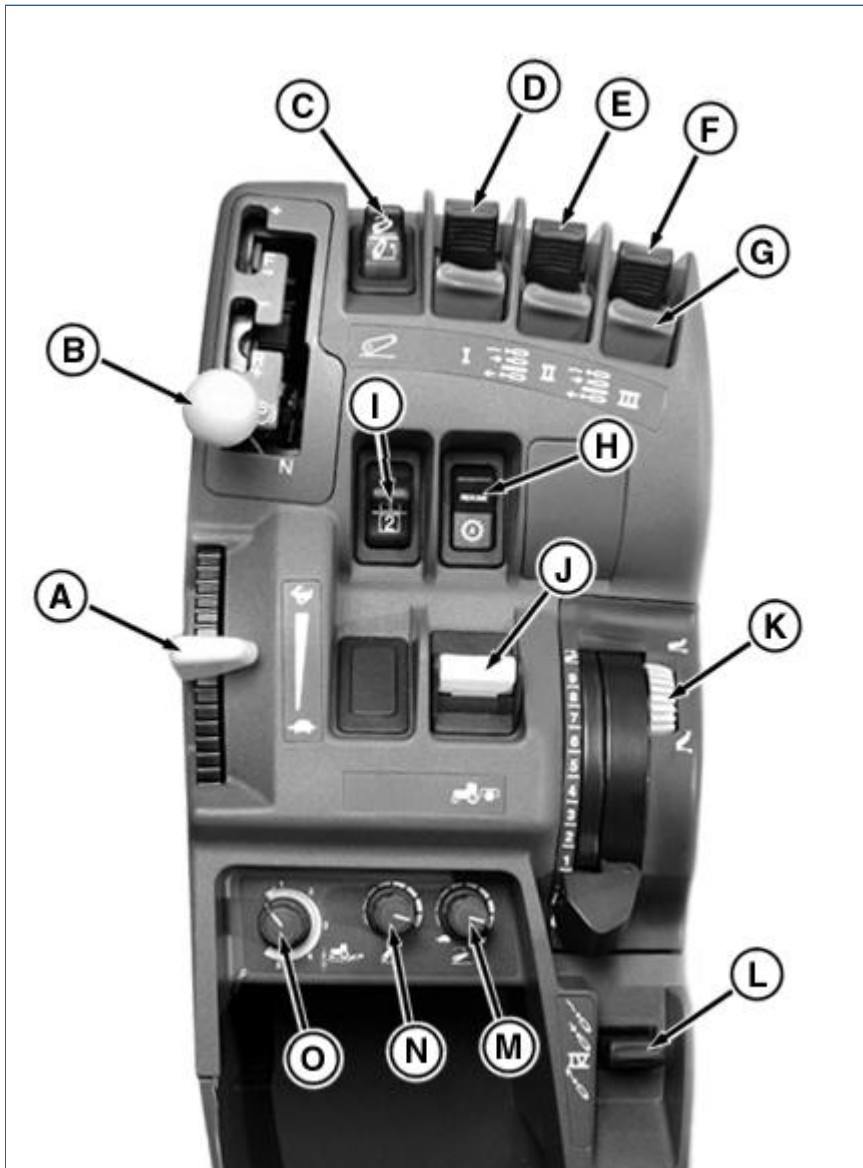
### LEGEND:

- A - Field Cruise
- B - Vehicle Monitor
- C - Engine Temperature Gauge
- D - Air Conditioning Switch
- E - Engine Oil Pressure Gauge
- F - Temperature Control
- G - Fuel Level
- H - Blower Speed Control
- I - Wiper Control
- J - Road Light Switch
- K - Field Light Switch
- L - SCV TouchSet Control Panel
- M - Hazard Light Switch
- N - MFWD Switch
- O - Rear Washer/Wiper Switch
- P - Cigarette Lighter
- Q - Diagnostic Outlet [ Used by your John Deere Dealer]
- R - Accessory Electrical Outlet
- S - Command Control System
- T - Clock
- U - Display Functions

**omar178078 - 8120, 8220, 8320, 8420, and 8520 Tractors (European Edition)**  
**Armrest Controls**

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**Armrest Controls**



RXA0056441-UN: Armrest Controls

LEGEND:

- A - Hand Throttle
- B - Gear Shift Lever
- C - Hitch Raise/Lower Switch
- D - Remote Hydraulic Lever (**SCV I**)
- E - Remote Hydraulic Lever (**SCV II**)
- F - Remote Hydraulic Lever (**SCV III**)
- G - SCV Covers
- H - Automatic Powershift Switch
- I - Sequence Switch (**IMS**)

- J - Rear PTO Switch
- K - Hitch Control
- L - Remote Hydraulic Lever (*SCV IV*)
- M - Hitch Rate of Drop (*Inside Armrest*)
- N - Hitch Height Limit (*Inside Armrest*)
- O - Hitch Load/Depth Control (*Inside Armrest*)



RXA0070892-UN: Current Version Armrest with Raised Throttle Guard

LEGEND:

- A - Raised Rib

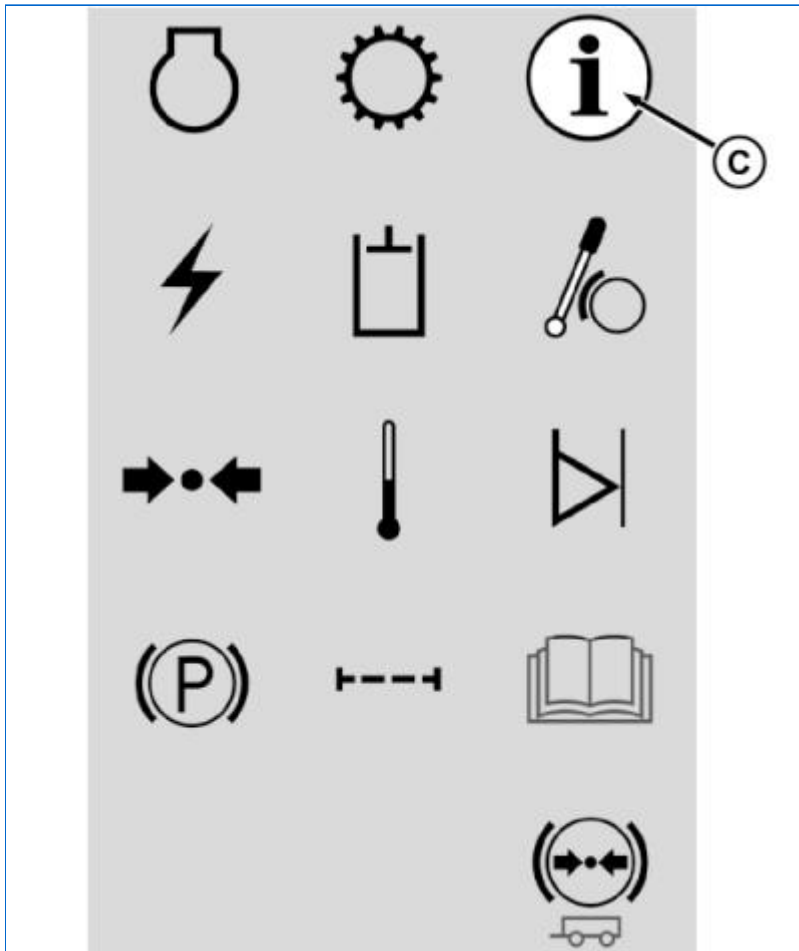
**omar178078 - 8120, 8220, 8320, 8420, and 8520 Tractors (European Edition)  
Vehicle Monitor Warning System**

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**Vehicle Monitor Warning System**



RW26849-UN: Corner Post Display



RW26346-UN: Vehicle Monitor Indicators

LEGEND:

- A - PRIORITY-Stop Engine Symbol
- B - PRIORITY-Service Alert Symbol
- C - PRIORITY-Information Symbol

**IMPORTANT:**

**See your John Deere Dealer if any system indicates malfunction.**

Vehicle monitor warning system alerts operator to malfunctions or needed service of the engine, transmission, electrical and hydraulic functions.

Indicators light and a warning sounds momentarily when the key switch is turned to the ON position.

A serious malfunction is indicated when the **Stop Engine Symbol** (A) flashes and a warning sounds in conjunction with a system indicator and function indicator. **Stop engine immediately** and determine the cause.

**Automatic Shut-Down System** -Engine will stop if the tractor is in PARK position, operator is not present, and the **Stop Engine Symbol** is active for more than 3 seconds.

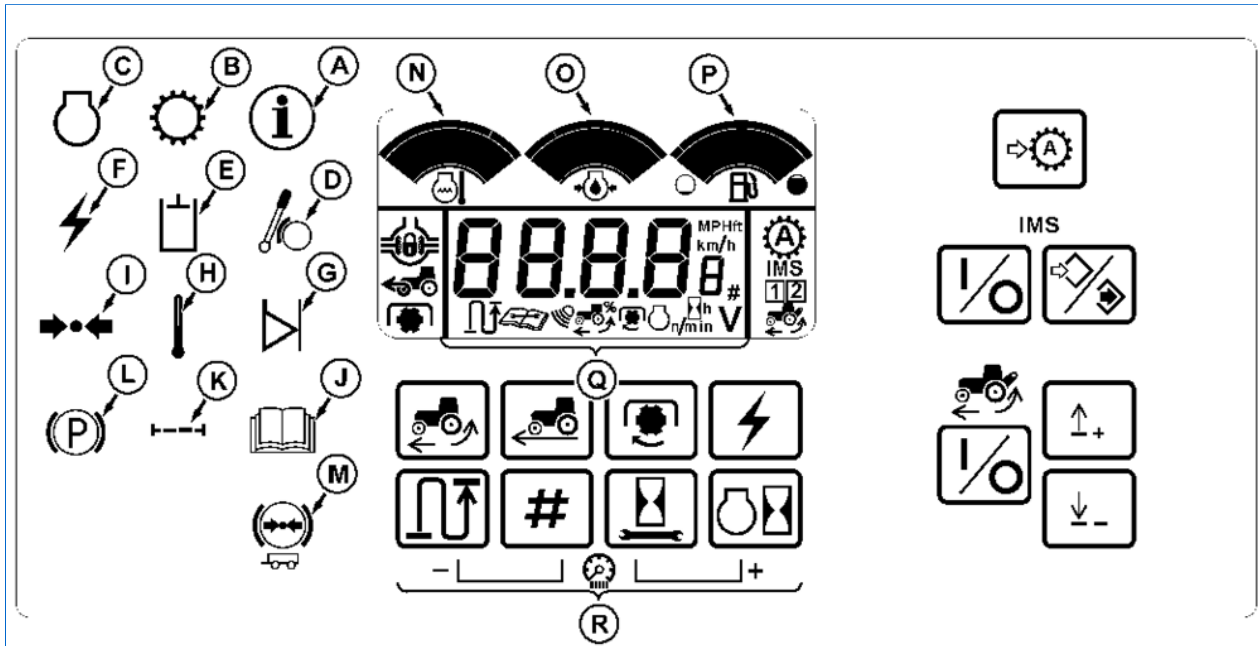
A serious problem has developed when the **Service Alert Symbol** (B) flashes and warning horn sounds in conjunction with a system, function, or status indicator. Observe gauges and indicator lights.

A problem has developed when the **Information Symbol** (C) flashes in conjunction with a system, function, or status indicator. Continue to operate tractor and address problem when convenient.

Service codes can be viewed on the digital display whenever a “priority” lights. (See Changing Display Functions in this section.) One problem will be displayed at a time, with most severe problem overriding all others. (See Service Codes Section.)

**omar178078 - 8120, 8220, 8320, 8420, and 8520 Tractors (European Edition)  
Vehicle Monitor**

**Vehicle Monitor**



RW26339-UN: Vehicle Monitor

A "PRIORITY" is the STOP ENGINE, SERVICE ALERT, or INFORMATION indicators.

A "SYSTEM" refers to engine, transmission, hydraulic, electrical, or axle indicators.

A "FUNCTION" refers to pressure, temperature, level, or filter.

A "STATUS" indicates operational mode.

-: Vehicle Monitor

KEY	INDICATOR	FUNCTION
A	INFORMATION	Problem has developed possibly reducing performance-Continue to operate and address problem when convenient-Push Code # and check displayed code-Indicator flashes in conjunction with a "SYSTEM", "FUNCTION", or "STATUS" indicator
B	Transmission	Flashes in conjunction with "PRIORITY" and "FUNCTION" indicators
C	Engine	Flashes in conjunction with "PRIORITY" and "FUNCTION" indicators
D	Secondary Brake	Secondary brake is engaged or oil level is low. Flashes in conjunction with "PRIORITY" and "FUNCTION" indicators
E	Hydraulic	Flashes in conjunction with "PRIORITY" and "FUNCTION" indicators
F	Electrical	Flashes in conjunction with "PRIORITY" and "FUNCTION" indicators
G	Level	Flashes in conjunction with "PRIORITY" and "SYSTEM" indicators
H	Temperature	Flashes in conjunction with "PRIORITY" and "SYSTEM" indicators
I	Oil Pressure	Flashes in conjunction with "PRIORITY" and "SYSTEM" indicators
J	Read Manual	Lights in conjunction with "PRIORITY" indicator and "FUNCTION" indicator-See Service Sections
K	Filter	Flashes in conjunction with "PRIORITY" and "SYSTEM" indicators
L	Park Brake	Lights when transmission is in PARK position
M	Trailer Brakes	Lights when trailer brakes are engaged
N	Coolant Temperature	Indicates coolant temperature of engine
O	Oil Pressure	Indicates oil pressure of engine
P	Fuel	Indicates remaining amount of fuel-Flashes when approximately 60 L (16 gal) of fuel remains
Q	Digital Display *	Displays percent wheel slip, ground speed, PTO speed, distance traveled, service codes, hours since last service, electrical system voltage, and total engine hours
R	Function Selectors	Changes digital display functions

\* Wheel Slip, Ground Speed, and Distance Traveled requires radar for accurate reading



**Suggest:**

**For more complete manuals. Please go to the home page.**

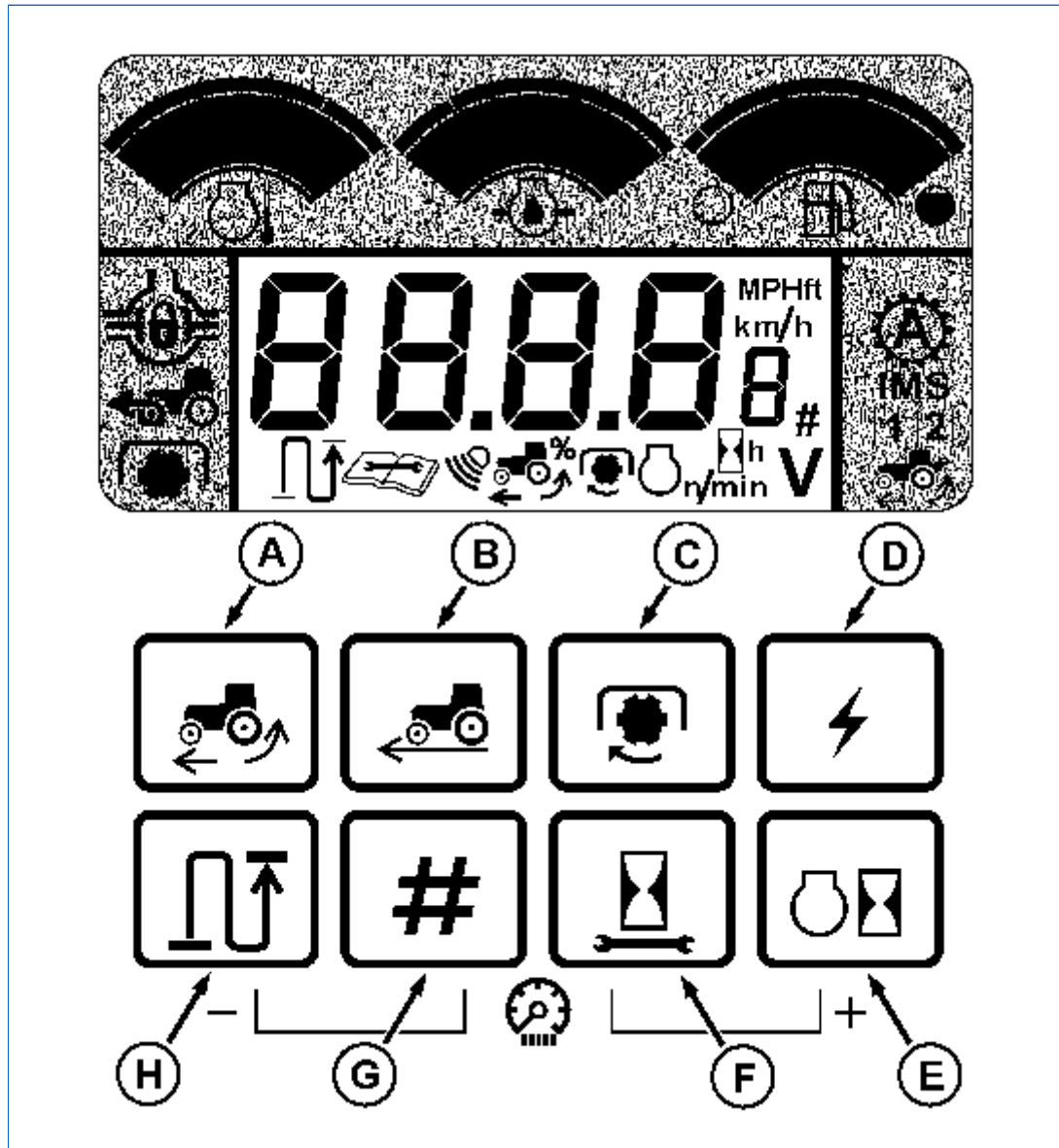
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**Changing Display Functions**

**Changing Display Functions**



RW26348-UN: Change Display Functions Using Touch Switches

LEGEND:

- A - Wheel Slip Percentage
- B - Ground Speed
- C - PTO Speed
- D - Voltage
- E - Engine Hours
- F - Service Hours
- G - Diagnostic Codes
- H - Distance Traveled

Display functions are changed using the touch switches on the center of the vehicle monitor.

## Ground Speed and Wheel Slip (**TRACTORS WITH RADAR**)

### NOTE:

*Dashes are displayed for tractors **without** radar unit.*

*Tractors equipped with radar, will display true ground speed below 26 km/h. (16 mph) and actual wheel speed above 27 km/h. (16 mph).*

*The calculated ground speed does not allow for traction slip.*

Press % slip switch (A) to display percent of wheel slip.

Press ground speed switch (B) to display true ground speed. Pressing switch a second time will change to a calculated speed. Display will alternate between axle speed and true ground speed each time switch is pressed.

## PTO Speed

Press PTO speed switch (C) to display the PTO rpm.

## Volts

Press volts switch (D) to display the current system voltage in tenths of volts.

## Engine Hours

### NOTE:

*Tenths of hours digit is half size and decimal point is implied.*

Press engine hours switch (E) to display accumulated engine hours.

## Service Hours

Press service hours switch (F) to display operating hours since tractor was last serviced. Display will show current service hours and service book symbol will flash when operating hours since last service exceeds interval set point.

### NOTE:

*The service hour set point can be changed. See your John Deere Dealer.*

Default service interval set point is 250 hours. Press switch (F) for 3 seconds to reset to zero after scheduled service.

## Diagnostic Code

Press code switch (G) to display code for current active alarm, if any. Press switch to display electronic controller and code number. Record controller and code number for future reference.

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