Farmall 65C, Farmall 75C, Farmall 85C, Farmall 95C Tractors

Operator's Manual

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PRECAUTIONARY STATEMENTS

PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements ("**DANGER**", "**WARNING**", and "**CAUTION**") followed by specific instructions. These precautions are intended for the personal safety of you and those working with you. Please take the time to read them.

DANGER

This word "DANGER" indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.

WARNING

This word "WARNING" indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.

CAUTION

This word "CAUTION" indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

FAILURE TO FOLLOW THE "DANGER", "WARNING", AND "CAUTION" INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS BODILY INJURY.

MACHINE SAFETY

The precautionary statement ("**IMPORTANT**") is followed by specific instructions. This statement is intended for machine safety.

IMPORTANT: *The word "IMPORTANT" is used to inform the reader of something he needs to know to prevent minor machine damage if a certain procedure is not followed.*

INFORMATION

NOTE: *Instructions used to identify and present supplementary information.*

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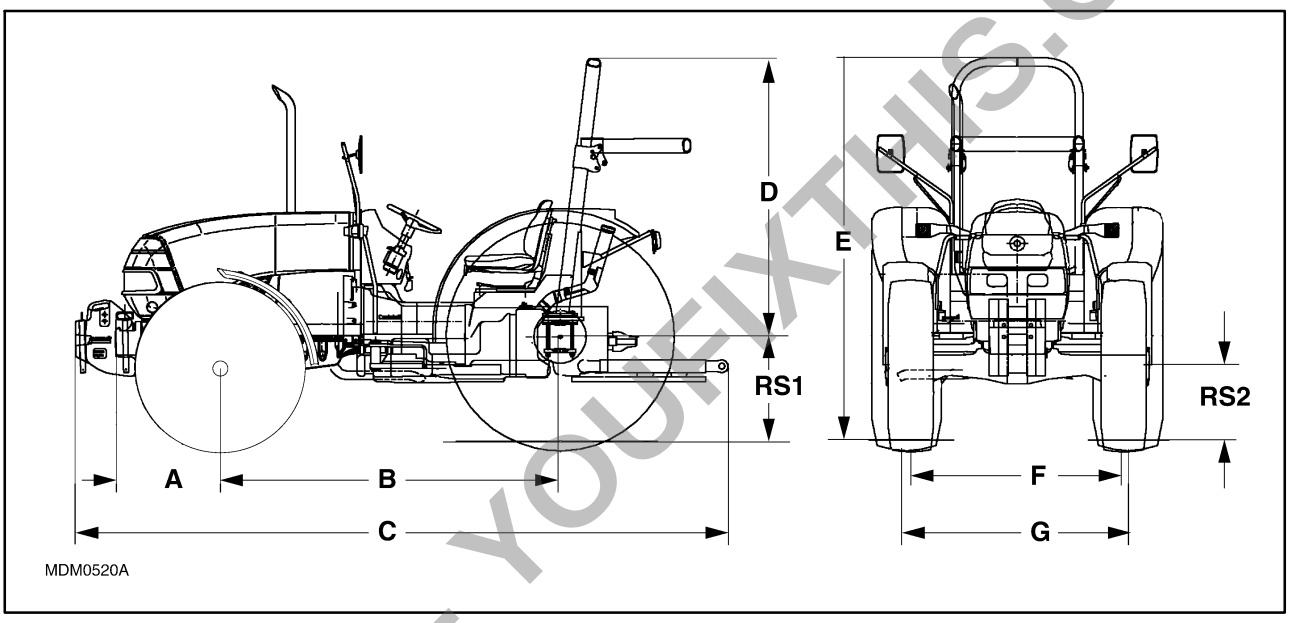
SECTION 8
SPECIFICATIONS AND DATA

The data on the following pages is provided for your information and guidance. For further details concerning your tractor, contact your dealer.

DIMENSIONS OF MODELS WITH ROPS

2WD tire combinations (only models 65C, 75C and 85C): Front **7.50-16** Rear **380/70R28**

4WD tire combinations: Front **360/70R20** Rear **380/70R28**



1

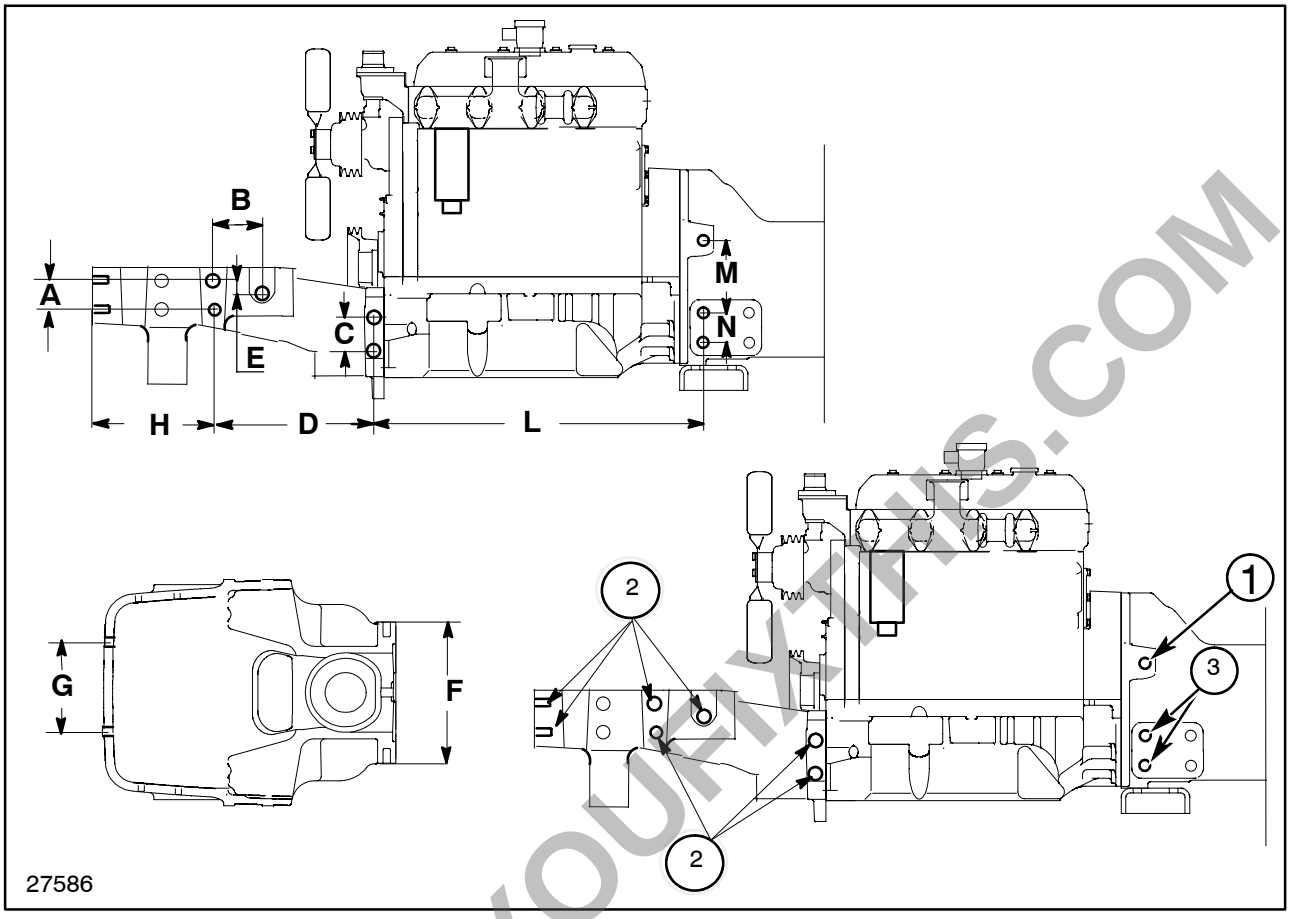
Dimensions	2WD	MFD
A . . . . . mm (inch)	587 (23.110)	664 (26.141)
B models 65C and 75C . . . . . mm (inch) model 85C . . . . . mm (inch) model 95C . . . . . mm (inch)	 2175 (85.62) 2262 (89.05) -	 2098 (82.59) 2185 (86.02) 2185 (86.02)
C models 65C and 75C . . . . . mm (inch) model 85C . . . . . mm (inch) model 95C . . . . . mm (inch)	4052 (159.52) 4139 (162.95) **-**	 4139 (162.95)
D . . . . . mm (inch)	1781 (70.117)	
E . . . . . mm (inch)	2371 (93.346)	
F . . . . . mm (inch)	1384 to 1984 (54.488 to 78.110)	1574 to 1806 (61968 to 71.102)
G . . . . . mm (inch)	1324 to 1930 (52125 to 75.984)	

Rs1 = (rear tire radius under load)

Rs2 = (front tire radius under load)

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THREE-POINT LINKAGE POINTS



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Both sides of the tractor are equipped with threaded holes for connecting implements and auxiliary equipment.

The figure shows the free fixing holes on the left hand side of the tractor, which are identical and symmetrical to the fixing holes on the right hand side.

⚠ WARNING ⚠

Use exclusively the holes specified in figure 45 when mounting auxiliary equipment. The use of different holes for auxiliary applications automatically exonerates CNH America LLC from all liability in relation to damage to the vehicle or injury to persons, resulting from failure to observe the relative regulations.

Hole	mm → (inch)	Tightening torque N·m (ft-lbs)
1	28 (1.10)	350 to 400 (258 to 295)
2	38 (1.49)	400 to 450 (258 to 332)
3	35 (1.37)	400 to 450 (258 to 332)

Measurement mm (inch)		
A	75 (2.9)	M 20 x 2.5
B	193 (7.59)	M 20 x 2.5
C	70 (2.7)	M 20 x 2.5
D	508 (19.99)	M 20 x 2.5
E	32 (1.2)	M 20 x 2.5
F	360 (14.17)	M 20 x 2.5
G	174 (6.8)	M 20 x 2.5
H	236.5 (9.31)	M 20 x 2.5
L . . (model 65C and 75C)	632.5 (24.90)	M 20 x 2.5
L . . (model 85C and 95C)	719.5 (28.33)	M 20 x 2.5
M	185 (7.2)	M 20 x 2.5
N	60 (2.3)	M 20 x 2.5

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Fault codes of digital instrument displayed combined with related symbol

Fault code	Symbol	Function	Audible warning	Indicator (Amber) on
14011		Engine speed sensor shorted or Vdc circuit open	YES	YES
14012		Engine speed sensor short to GND	YES	YES
14015		Supply voltage	NO	YES
14016		Supply voltage	NO	YES
14021		Starting	NO	YES
14022		Starting	NO	YES
14041		Coolant temperature	YES	YES
14042		Coolant temperature	YES	YES
14051		Fuel level sensor shorted or Vdc circuit open	NO	YES
14052		Fuel level sensor short to GND	NO	YES
14058		Seat switch	YES	YES
14091		Transmission speed	NO	YES
14092		Transmission speed	NO	YES
14001		Rear PTO	NO	YES
14002		Rear PTO	NO	YES

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TROUBLESHOOTING, CAUSES AND SOLUTIONS

Fault	POSSIBLE CAUSE	SOLUTION
1	The audible warning comes on with the related icon on the display when the operator leaves the driving seat without engaging the hand brake or with the seat safety switch broken.	Engage the hand brake. The signal must stop when the brake is disengaged.
2	The audible warning and indicator warn of an incorrect or dangerous maneuver.	Press the clutch pedal fully down and release it slowly.
3	An audible warning is activated with the related icon on the display if the operator starts the tractor automatically with the hand brake engaged.	Disengage the hand brake. The signal must stop when the brake is disengaged.
4	The audible warning and indicator warn of an incorrect or dangerous maneuver.	Move the Power Shuttle control lever into the neutral position
5	The signal displayed shows that the transmission oil has exceeded its normal working temperature.	Slow the engine down to idling and let it idle for 2 to 3 minutes. Switch off the engine and check that the cooler is not clogged. Clean it if necessary as described in section 4. ***IMPORTANT:*** *If the problem is not resolved, do not use the tractor and call your local dealer.*
6	The audible warning comes on with the related icon on the display with the engine running when the operator leaves the driving seat without disengaging the PTO control lever or with the seat safety switch broken.	Move the rear PTO control lever into the neutral position before leaving the driving seat.
7	The audible warning comes on with the related icon on the display when the battery charge is low.	Recharge/renew the battery.
8	The audible warning comes on with the related icon on the display when the engine coolant temperature is too high.	Stop the engine immediately and let it cool down. Make sure the radiator is clean and the fluid is at the right level. ***IMPORTANT:*** *If the problem is not resolved, do not use the tractor and call your local dealer.*

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LUBRICANTS AND FLUIDS

COMPONENT TO BE FILLED OR TOPPED UP	QUANTITY liters (US gal).	RECOMMENDED CASE IH PRODUCT	CASE IH SPECIFICATION	INTERNATIONAL SPECIFICATION
Cooling system: – less cab . . . . . . – with cab	14.0 (3.69) 16.0 (4.22)	Water and **Fleetguard Complete** Concentrate liquid 50% + 50%	MS1710	–
Windscreen wash reservoir	2.0 (0.52)	Water & liquid	–	–
Fuel tank: . . . . . . – mod. 65C and 75C . . – mod. 65C and 75C . .	 75 (19.81) 88 (23.24)	Decanted, filtered diesel fuel	–	–
Engine sump: – mod. 65C and 75C	8.5 (2.24)	Oil **AAKCELA No. 1 ENGINE OIL**	MS 1121	API CH -4 ACEA E5 SAE 15W-40
– mod. 65C and 75C	9.5 (2.50)			API CH -4 SAE 10W-30
Brake circuit	0.7 (0.18)	**AKCELA LHM FLUID** oil	–	ISO 7308
With front brakes	1.0(0.26)			
Front axle: axle housing	4.5 (1.18)	**AKCELA NEXPLORE** oil	MAT 3525	
final drives without brakes . (each)	1.0 (0.26)			
final drives with brakes (each)	0.5 (0.13)			
Rear transmission (bevel drive, final drives and brakes), gearbox, hydraulic lift, PTO and hydraulic steering:	44 (11.62)			
Grease fittings	–	**AKCELA MULTIPURPOSE GREASE** grease	251H EP	NLGI 2
Air conditioning system – coolant . . . . . . – oil	– 1.4 (0.36) 0.185 (0.0488)	–	–	R-134a SP10

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LUBRICATION AND MAINTENANCE TABLE

The numbers in the second column are with reference to the operations shown in the following pages of this section.

Hours of work	Operation Number	Maintenance operations	Efficiency check	Fill-up level	Cleaning	Greasing	Adjust	Replace	Page
Flexible maintenance	1.	Radiator expansion tank		X					4-10
	2.	Windscreen washer tank		X					4-10
	3.	Tractor lights	X						4-10
	4.	Transmission handbrake	X	X					4-11
	5.	Control valve oil recovery cup			X				4-11
	6.	Adjust transmission clutch					X		4-11
	7.	Radiator			X				4-12
	8.	Oil cooler			X				4-12
	9.	Condensor			X				4-13
	10.	Brake pedals					X		4-13
	11.	Tire pressures	X						4-14
	12.	Wheel nut torque	X						4-14
With warning light ON	13.	Air filter outlet valve			X				4-15
	14.	Air cleaner outlet element			X				4-16
	15.	Fuel filter			X				4-17
	16.	Brake fluid level	X	X					4-18
Every 10 hours	17.	Engine sump oil level		X					4-20
Every 50 hours	18.	Rear wheel hubs				X			4-21
	19.	Lift and linkage device				X			4-21
	20.	Front axle pivots MFD				X			4-21

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SPEED CALIBRATION

If rear tires of a different size are to be fitted, with a difference in radius of more than 13 mm (0.5 inches) compared to the standard ones, it will be necessary to recalibrate the electronic control module so as to get the display of a specific ground speed. For resetting, proceed as follows:

- Select a dry, compact and level surface (preferably concrete) and measure out a section exactly 100 m long. Mark the start and finish of this measured distance with a bold chalk line.
- Press the switch, 1, figure 13 on position (**B**) for more than three seconds.

A. The central display shows "**SETUP MENU**" as in detail, 1. Release the symbol to go to detail, 2.

B. Press the switch on the symbol and the symbol will show "**CAL READY**", as in detail, 3.

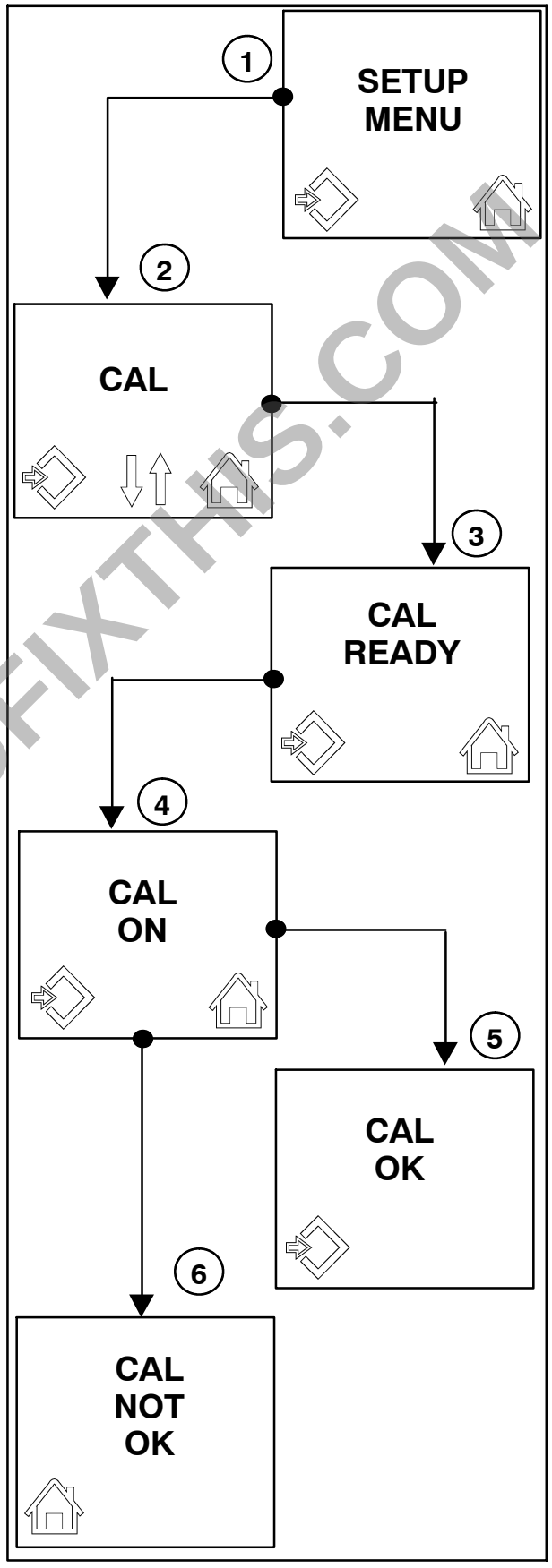
C. Select a suitable gear and provide a speed above 2 km/h (1.25 mph) and at the start of the line drawn beforehand, press the pushbutton and on the display "**CAL ON**" will blink as in detail, 4.

NOTE: *The ground speed must not drop under 2 km/h (1.25 mph). If the speed is less than as prescribed, calibration will stop.*

D. When the central portion of the front tires passes over the end line, press the button again on the symbol and the display must show "**CAL OK**"as in detail, 5.

Now again press the symbol to save the calibration value. If on the contrary the procedure has not been performed correctly the display will show "**CAL NOT OK**", as in detail, 6.

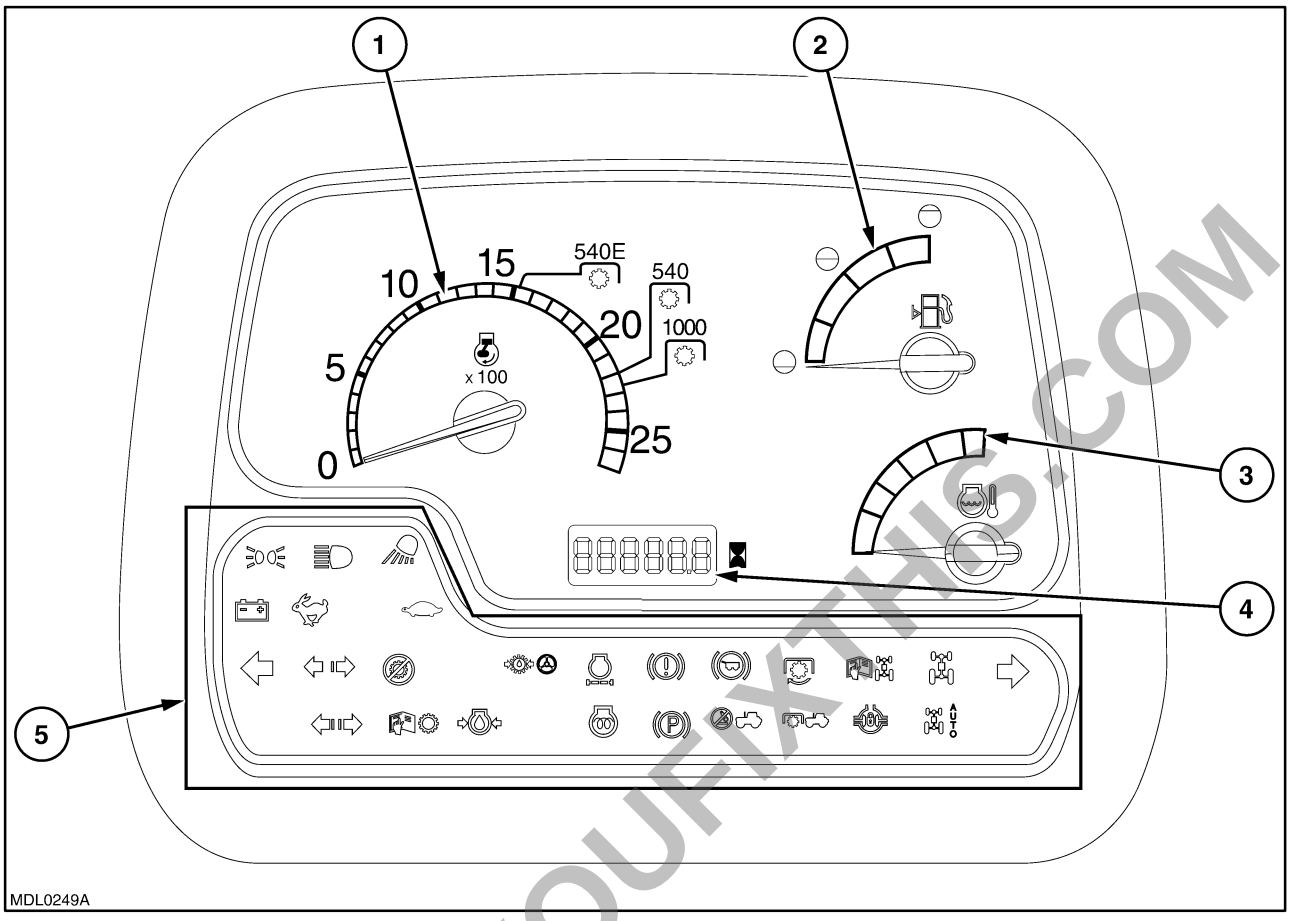
NOTE: *If you want to stop the display, press the symbol on the switch. Press the same symbol again to exit the programming menu.*



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1

Analog Control Panel

1. Tachometer.
2. Fuel level gauge.
3. Engine coolant temperature gauge.
4. Hours worked counter.
5. LED indicators to signal machine service status.

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