PUMA 165
PUMA 180
PUMA 195
PUMA 210
PUMA 225

Tractors

OPERATOR'S MANUAL

Part Number 47372727
2nd edition English
June 2012
Replaces part number 84276863

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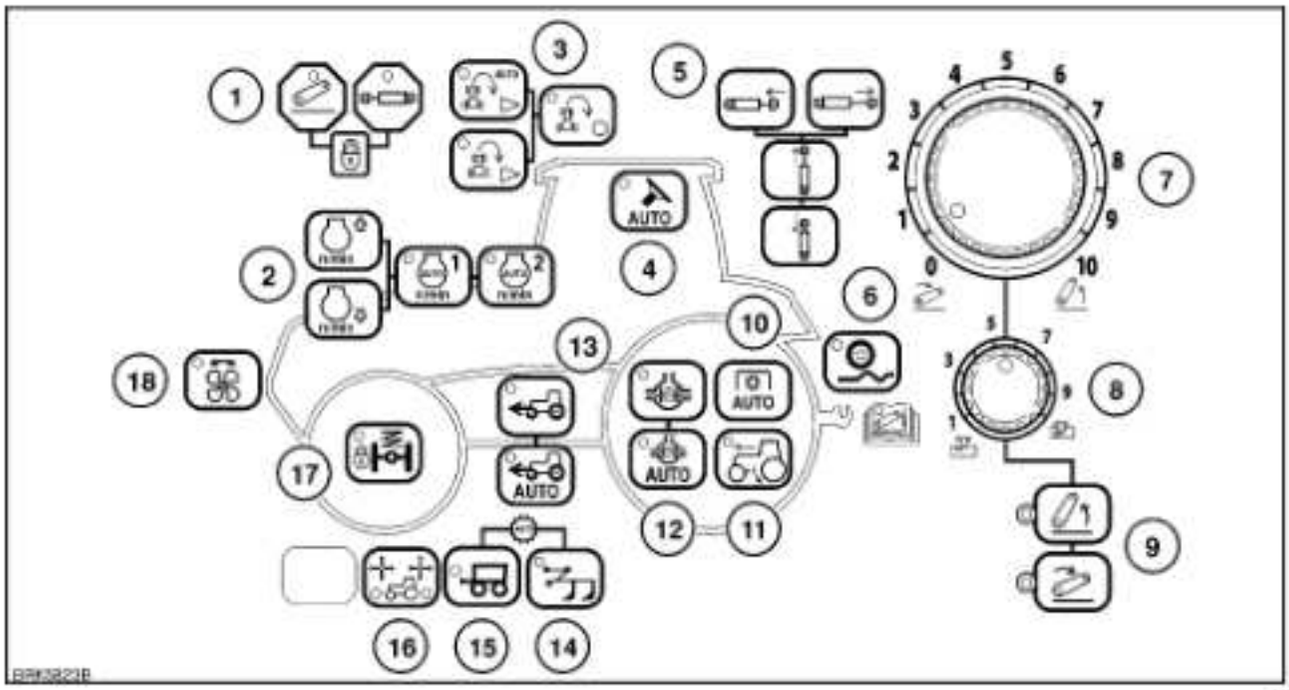
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INTEGRATED CONTROL PANELS

FULL POWERSHIFT TRANSMISSION



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Your tractor is equipped with a number of electronic controls located on the arm rest unit. A full explanation of individual switch operation can be found in the relevant sections of this manual.

Right-Hand Control Console

1. Electronic remote valves and 3-point hitch lock warning lights
2. Constant Engine Speed settings
3. Auto/Manual HMC record/playback operation
4. Auto Guidance on/off (see Section 6)
5. Hydraulic top link and lift rod controls
6. Ride Control
7. 3-point hitch position control
8. 3-point hitch draft loading control
9. 3-point hitch raise/lower buttons and operating lights
10. Rear Auto PTO control
11. Slip Control
12. Auto/manual rear axle differential lock engagement
13. 4WD Auto or Manual engagement
14. Transmission field auto function
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16. Front/rear joystick operation select
17. Front axle suspension lock
18. Reversible engine fan control

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EVERY 1200 HOURS OR 12 MONTHS (whichever occurs first) carry out the preceding checks plus the following:

OPERATION 25
CHANGE CAB AIR FILTERS

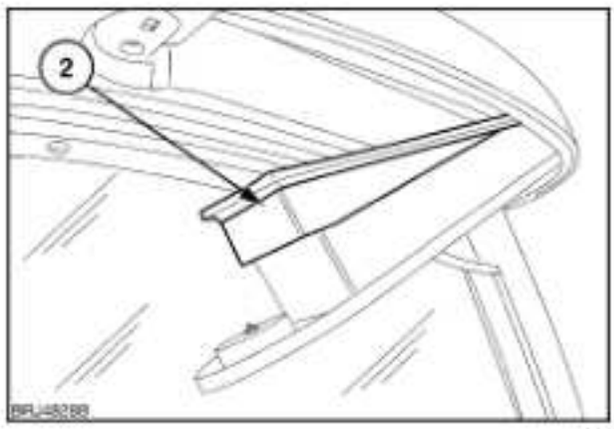
External Filters

To remove the external filter, loosen the thumbscrew at the front end of the filter housing. Allow the housing to drop downwards and lift out the filter element (2). Dispose of the filter elements properly.

The filter consists of two elements, a foam pre-filter and electrostatic main element that traps fine dust particles. Clean both filter chambers with a damp, lint-free cloth.

Install new filter elements. A flow direction arrow is moulded into the side of the filter. Install the filters with the arrow pointing upwards. Re-install the covers.

NOTE: *Take care not to damage the element during installation.*



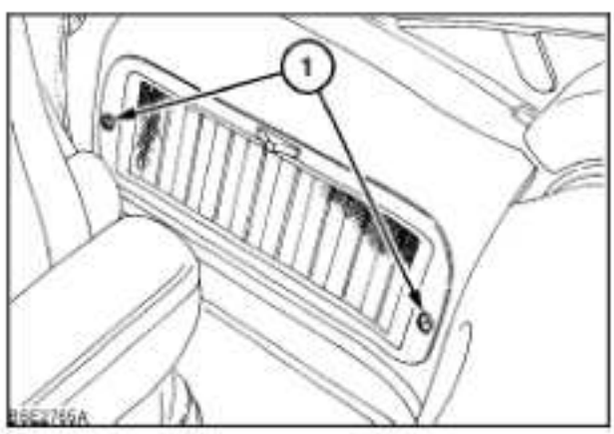
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Internal Filter

The internal filter is located in the panel behind the operators seat. To remove the internal filter turn captive screws (1) until the cover is loose.

Remove the filter cover and the filter element. Dispose of the filter element properly.

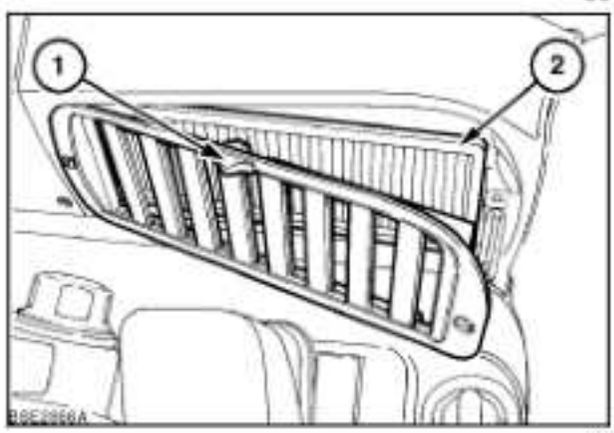
Clean the filter chamber with a damp lint-free cloth.



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Install the new filter element (2) making sure that the arrow on the filter points to the rear of the tractor.

Re-install the filter cover (1).



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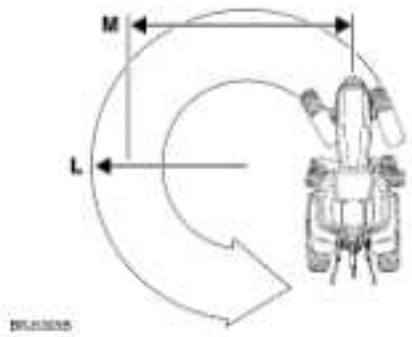
GENERAL DIMENSIONS

		4WD (Standard and Suspension Axles)
J.	**Wheelbase**	2884 mm (113.5 in)
K.	**Overall length to end of lower links**	5017 mm (197.5 in)
	Minimum turn radius (refer to illustration below)	
L.	Turning Radius	
	- without brakes at 61.0 in. front track setting	6.59 mtr (21.6 ft.)
	- without brakes at 72.0 in. front track setting	6.10 mtr (20.0 ft.)
M.	Turnaround Diameter	
	- without brakes at 61.0 in. front track setting	10.3 mtr (33.7 ft.)
	- without brakes at 72.0 in. front track setting	8.87 mtr (29.1 ft.)

Minimum Turn Radius

(L) SAE Turning Radius. Measured from the centre point of the circle to the centre of the tread on the outside front tyre.

(M) Turnaround Diameter. Measured from the centre point of the rear axle, in line with the drawbar.



NOTE: *All turn radius figures are measured without front fenders and steering stops adjusted to provide 20 mm (0.78in) wheel to chassis clearance on full lock with 0° front axle oscillation.*

NOTE: *If your tractor has tyres of a different size then the above dimensions will vary due to the difference in the rolling radius and section width of the tyres fitted.*

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