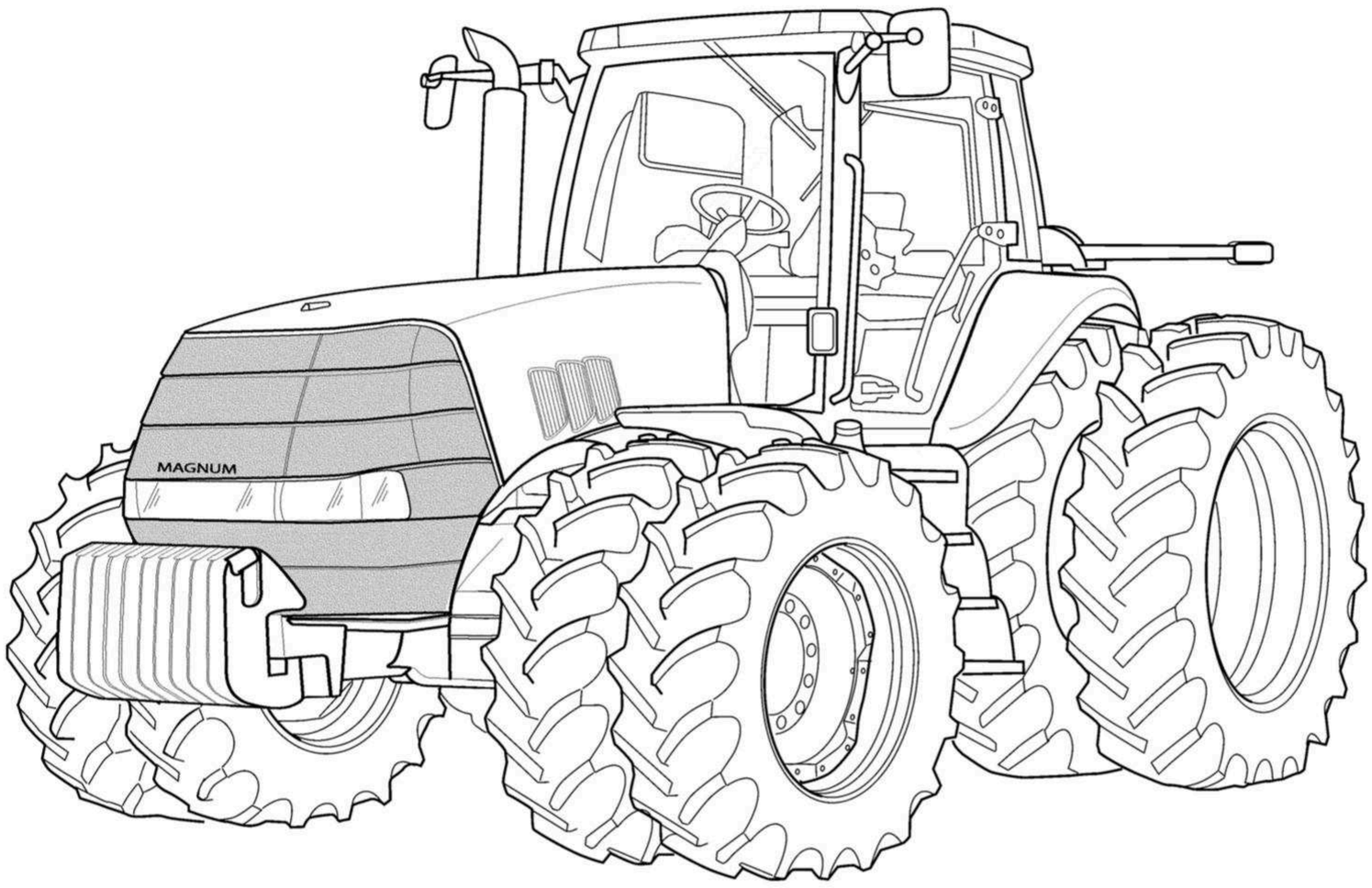


Magnum 215, 245, 275, 305 and 335 Series Tractors After P.I.N. Number Z8RZ06001

Operator's Manual

84129594
Issued August, 2008
1st Printing

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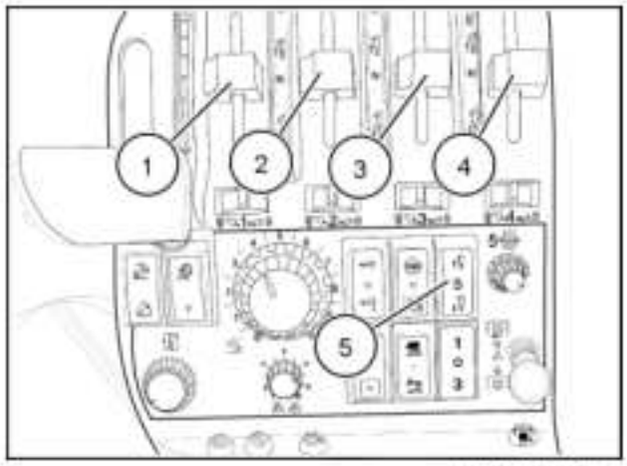
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Operating the controls

Remote control levers

The remote hydraulic control levers (and a switch for remote 5 if equipped) are located on the armrest console. The number of remote circuits and levers depends on how your tractor is equipped. The first remote lever operates the lower left rear hydraulic coupler.

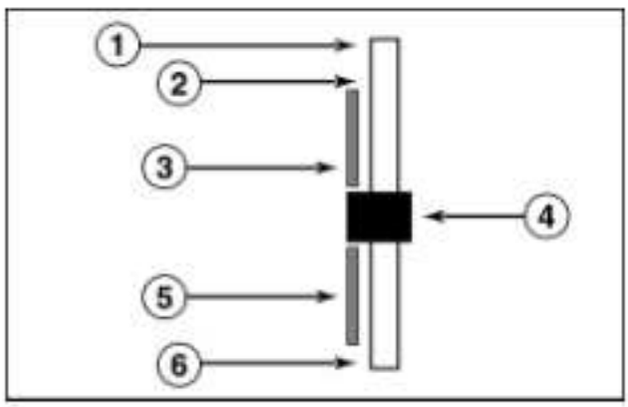
NOTE: *The remote couplers are numbered to match the in cab hydraulic control levers.*



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Each lever (1 through 4) has several positions:

1. Float
2. Lowering detent (timer controlled)
3. Momentary
4. Neutral
5. Momentary
6. Raising detent (timer controlled)

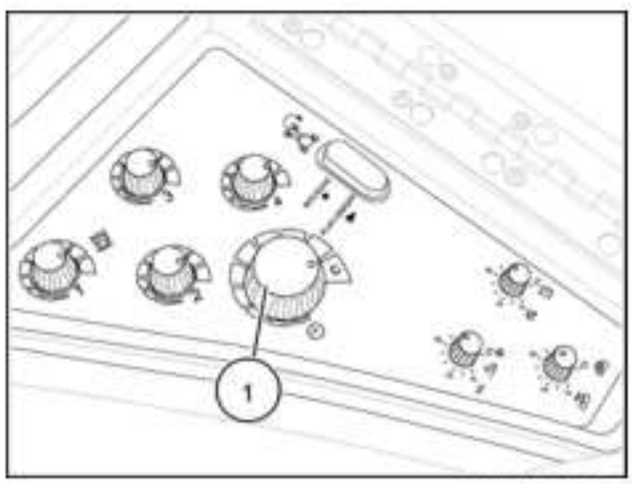


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Timer control

With standard instrumentation, the timer control **(1)**, located under the armrest cover, determines the amount of time the remote circuits have hydraulic flow after the remote hydraulic control lever is moved to the detent position or the fifth remote switch is activated.

Turning the timer control clockwise increases the amount of time; turning the control counterclockwise decreases the amount of time. If the timer control is turned fully clockwise, hydraulic flow is continuous. The general range is from 1 to 30 seconds. Continuous flow is only required for special applications – e.g., powering an implement motor.



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Rear wheel cast metal weights

Cast wheel weights are available in: **90 kg** (**200 lb**), **225 kg** (**500 lb**)and **455 kg** (**1000 lb**).

Cast wheel weights are recommended instead of fluid filled tires. Cast wheel weights allow the tire to flex with the contour of the ground, increasing tire contact area, reducing compaction and providing a smoother ride.

Cast wheel weights do not increase rolling resistance due to internal friction (as fluid does); this increases the efficiency of your tractor.

Follow these guidelines when installing rear wheel weights. See wheel weight installation diagrams.

- A maximum of **680 kg** (**1500 lb**) can be assembled to the inside wheel.
- A maximum of **455 kg** (**1000 lb**) can be assembled to the dual wheel.
- Weights mount to **34 in** or larger diameter solid steel wheel.
- Three hex head bolts with a coating of Macuguard with three nylock nuts and washers are used to fasten each weight.
- Use the holes in the weight to fasten the weight to the wheel.
- When adding another weight, use the slot in the existing weight and the hole in the weight to be added.
- Only the **90 kg** (**200 lb**) and the **225 kg** (**500 lb**) weights can be mounted to each other.
- Maintain a minimum of **50 mm** (**2.0 in**) clearance between weight and tractor components.

455 kg (**1000 lb**) weight:

- Only mount to concave side of wheel.
- Cannot mount to adjustable rear wheels.
- Use a lock nut to secure weight to wheel.

225 kg (**500 lb**) weight:

- Can be mounted to the concave or the convex side of the wheel.
- A maximum of three **225 kg** (**500 lb**) weights can be installed on the same side of the wheel.

90 kg (**200 lb**) weight

- Can be mounted to the concave or the convex side of the wheel.
- A maximum of five **90 kg** (**200 lb**) weights can be installed on the same side of the wheel.
- When used opposite a **225 kg** (**500 lb**) or a **455 kg** (**1000 lb**) weight, install **225 kg** (**500 lb**) or **455 kg** (**1000 lb**) weights first.
- When used opposite a **90 kg** (**200 lb**) weight, install the bolts for the second weight through the wheel then install the first weight.

IMPORTANT: *Never exceed the maximum recommended operating weights for your tractor or road limitations. See maximum operating weights for tractor and axle limits.*

Cast metal weight bolt torque

Torque wheel weight hardware as follows:

- Grade 10.9, **16 mm** bolts – **175 - 225 Nm** (**130 - 165 lb ft**)
- Check bolt torque after the first 30 minutes of field use, every 10 hours until torques stabilize and every 300 hours thereafter.

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Engine oil and filter

⚠ WARNING ⚠

When handling lubricants (oil, grease etc.,) and other chemical products, always follow instructions for their proper use. Use proper containers to collect fluid. Dispose of fluids and filters in a way that will protect the environment and in accordance with the law. DO NOT smoke or use an open flame during the service procedure. Use eye protection. DO NOT handle engine coolant , engine oil or hydraulic oil at temperatures that exceed 49° C (120° F). Failure to comply will result in an environmental hazard and cause death or serious injury.

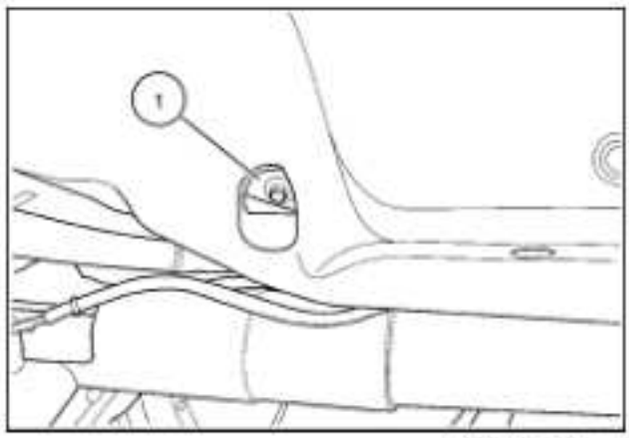
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For best results, change the oil while the engine is still warm from operation. Use caution when removing plug and draining oil.

Your dealer has approved oil and filters.

Place the tractor on level ground, shut off the engine, remove the key and follow this procedure.

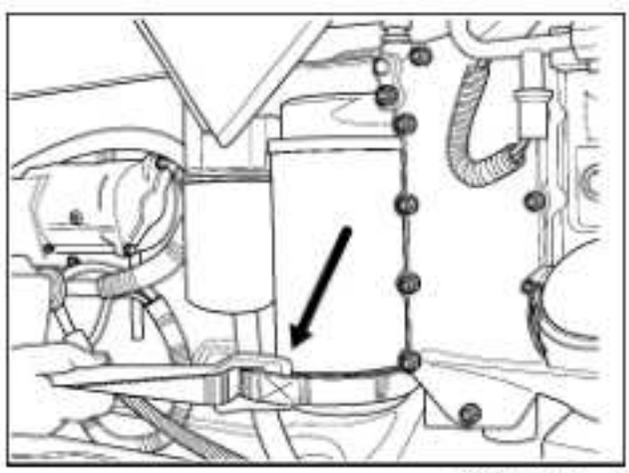
1. Remove the oil pan drain plug **(1)** which is located on the left side of the frame just behind the front axle, and drain the oil from the engine.



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2. Once the oil is completely drained, reinstall the drain plug.

3. Turn the filter counterclockwise to remove. Use a strap wrench, if necessary.



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4. Apply clean oil to the gasket on a new filter.

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