



Release Date: 12/09/2020

Revision Number: 00

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Rear Hitch Control Check Valve Installation

Document Number	Part Number	Model	Serial Number Range
12-80032	23-0158	520M / 520Y	All Units

⚠ WARNING

Before making repairs or adjustments set the parking brake, turn off the engine, and remove the ignition key.

Always disconnect the negative battery cable from the battery when working with electrical components. Always work in a manner that does not put safety at risk!

⚠ WARNING

Safety glasses must be worn during installation. Ear (hearing) protection must be worn when using air or power tools.

Installation Notes: Right and left hand orientation referred to in these instructions is determined as if facing forward from the operator station.

Installation Time (estimated) 30 Minutes

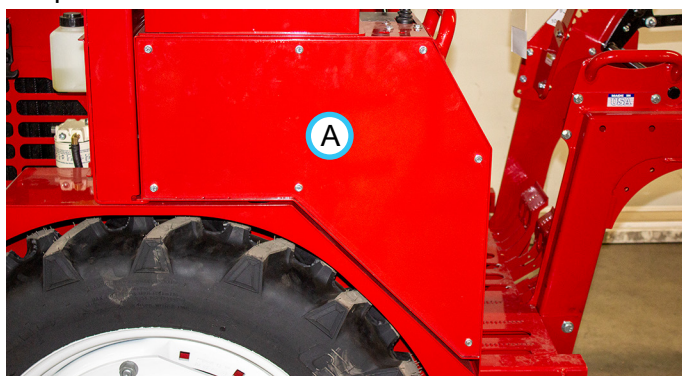
Tools Required: 3/8" wrench, 5/8" wrench, 3/4" wrench

The following instructions describe how to install an in-line check valve into the Tilmor 520 series tractor rear hitch hydraulic control. This update is being implemented to increase safety and the performance of the rear hitch. The check valve slows down the rate of speed at which the hitch can be lowered. Slowing the rate increases the control especially with heavier implements

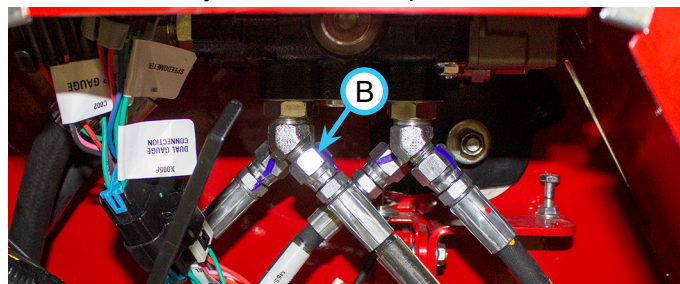
Kit Contents

Part #	Description	Qty.
23-0158	Valve, Check Vonberg 3-5 PSI	1

1. Park the tractor on a level surface.
2. Lower the front and rear hitches to the lowest position.
3. Engage the parking brake and shut off the engine.
4. Remove the key from the ignition switch
5. Remove the outer console cover (A) by removing the seven 1/4" bolts located around the perimeter of the cover.



6. Locate the hydraulic hose (B) connected to the rear hitch hydraulic control port.

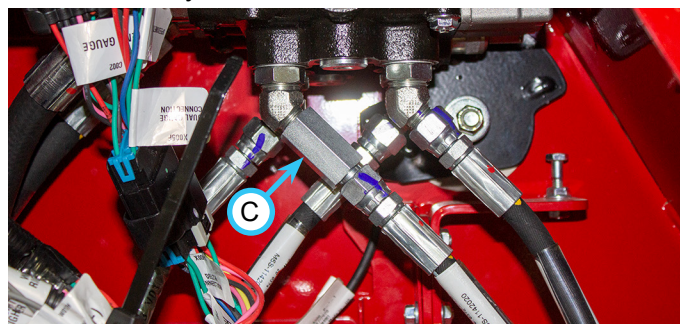


7. Place some towels around the hose in the console to catch any spilled hydraulic fluid.

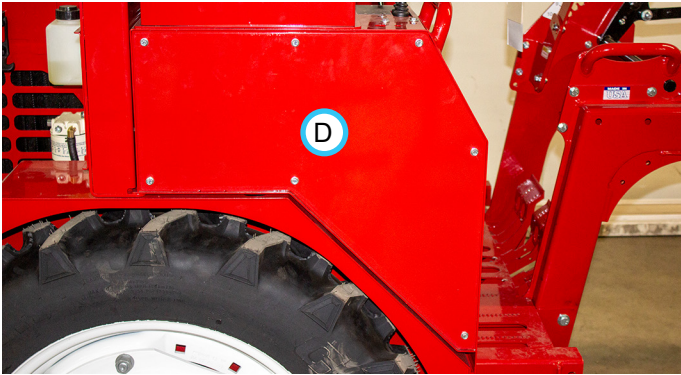
⚠ CAUTION

Avoid contact with hydraulic fluid. Wear safety glasses and chemical-resistant gloves.

8. Remove the hydraulic hose (B) from the port.
9. Install the check valve (C) onto the port and connect the hydraulic hose.



10. Ensure all connections are tight.
11. Start the tractor and cycle the rear hitch control.
12. Shut off the tractor and remove the key from the ignition.
13. Check for any leaks inside the console.
14. Position the outer console cover (D) against the console aligning the mounting holes.



15. Secure the cover in place using the seven 1/4" bolts.
16. Torque the bolts to 100 in-lbs (11 Nm).

END OF PROCEDURE