OPERATOR'S MANUAL

W110C
Tier 4
Wheel Loader

Part number 84474083
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NEW HOLLAND CONSTRUCTION

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LEFT-HAND SIDE CONTROLS

Transmission controls

Transmission control lever

The transmission control lever is used to shift the transmission gears from first through fourth gear. Turn the transmission control lever away from you to select a higher gear. Turn the lever toward you to select a lower gear. This control lever is also used to put the transmission in FORWARD, NEUTRAL, and REVERSE (F-N-R).

A. Move the control lever away from you for FORWARD.

B. The center position of the control lever is NEUTRAL.

C. Move the control lever toward you for REVERSE.



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Using the steering column transmission lever

All the following steps are required in order to use the steering column transmission lever:

1. Service brake pressure must be at operating pressure.
2. Transmission control lever must be in neutral.
3. Push down on the bottom of the parking brake switch to release the parking brake switch.

NOTE: *If the parking brake was NOT set when the machine was turned OFF, the parking brake switch must be cycled at step 3.*

4. Place the transmission control lever in either FORWARD or REVERSE to move the machine.

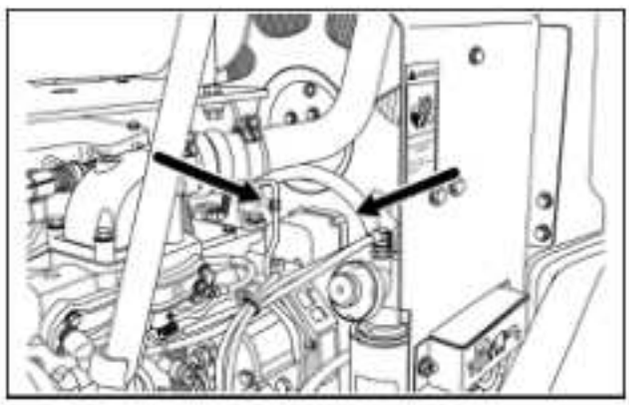
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Replacing the engine breather filter

Replace the engine breather filter when the hour meter registers 1000 hours The engine breather filter should be changed every 1000 hours thereafter or more frequently when operating conditions are severe.

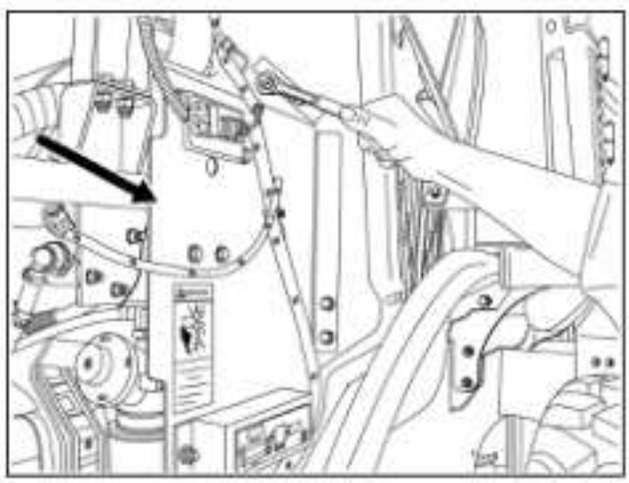
Prior operation:
Keep all unauthorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied, and the attachment lowered to the ground. Make sure that all residual pressure is relieved from circuits before beginning maintenance. Install the service link to prevent unexpected articulation.

1. Access the engine breather filter from the right side of the machine. The engine breather filter is located in back of the fan.



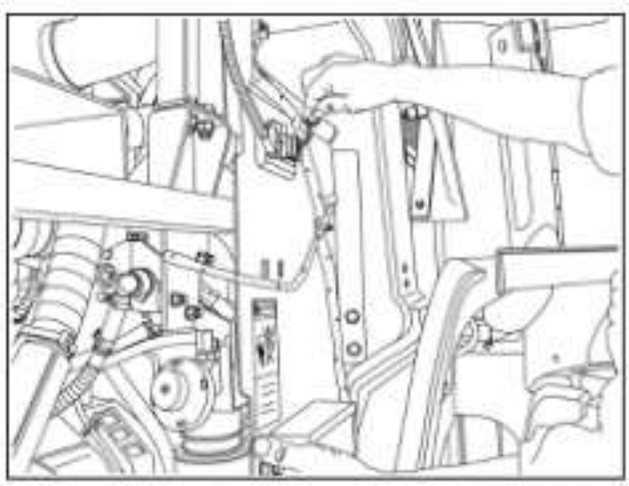
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2. Remove the bolts from the shield on the right side of the machine.



RAIL12WEL3260AA 2

3. Disconnect the electric connections located on the shield.



RAIL12WEL3286AA 3

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Machine specifications and dimensions

The following specifications are common for all W110C model configurations:

Common Specifications

Feature	Specification
Overall height (top of exhaust)	**3001 mm (118.2 in)**
Rear axle oscillation total	**24 °**
Height to drawbar	**954 mm (37.6 in)**
Wheelbase	**2750 mm (108.3 in)**
Overall width exclusive of bucket (20.5 R 25 XTLA TL tires	**1950 mm (76.8 in)**
Overall width exclusive of bucket (17.5 R 25 XTLA TL tires	**2000 mm (78.7 in)**
Ground clearance	**377 mm (14.9 in)**
Vertical wheel travel (trunnion fully oscillated) 1705 tires	**496 mm (19.5 in)**
Loader Speeds	
Loaded raise (rollback @ ground)	**5.4 s**
Loaded dump (@ full height)	**1.2 s**
Empty power down	**3.9 s**
Empty float	**3.9 s**

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