1021F
1121F
Tier 4
Wheel Loader

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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RIGHT-HAND SIDE CONTROLS

Overview

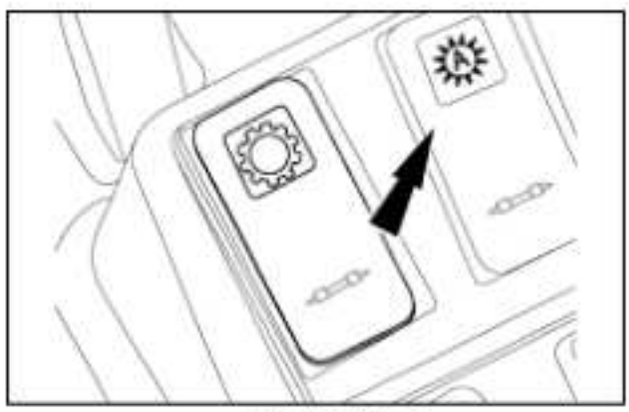
A number of controls and switches are placed on the right side of the operator for ease of use. Control levers, the side console housing the machine operation switches, and the climate control functions are located on the right side of the machine in the operator's compartment.

The configurations on the right side of the operator's compartment in your machine may vary slightly in appearance from those represented in this manual, though all switch symbols and switch functions remain the same.

Control levers can vary as well depending on options selected. The different spool valves and control levers are explained on the following pages.

Automatic shift mode

When the transmission is in the automatic mode, the transmission will start out in first gear or second gear (dependent upon gear minimum setting), and automatically up-shift until the gear selected has been reached. The transmission will also down-shift automatically as the speed decreases.



RQL18WHL177BAL 1

Down-shift button automatic mode

The down-shift button is used to shift down through the gears in single steps. Each time the switch is pressed, the transmission will shift down one gear range until first gear is reached. Once the down-shift button has been pressed down, the transmission maximum gear allowed is lowered. It will return to the automatic mode when (1) the transmission control lever gear changes, or (2) the transmission control lever is moved to NEUTRAL and then to FORWARD or to REVERSE. When the Automatic Mode has been chosen by the operator, the Automatic Mode indicator will be shown in the multi-function display.



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Manual downshift

Manual shifting can be used to down shift in a first to second pattern. First and second gear are the only shift pattern available in the manual downshift mode.

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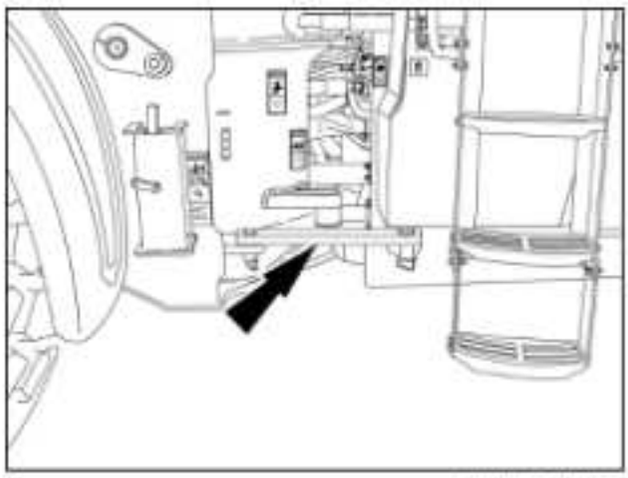
Every 3000 hours

Selective Catalytic Reduction System - Replace supply module filter

Replace the **DEF** supply module filter every 3000 hours. The supply module has a spin-on type filter.

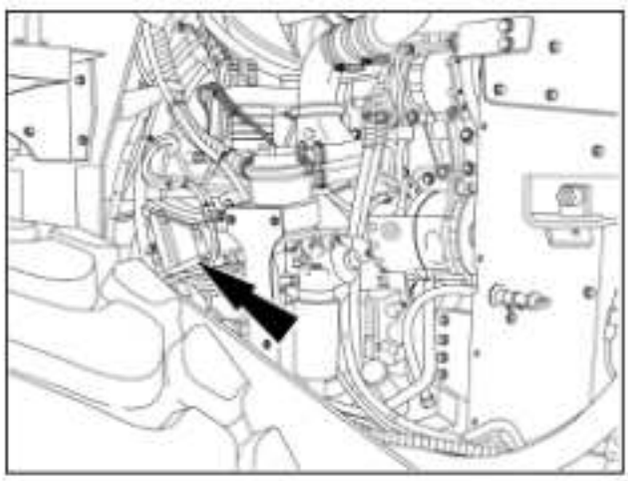
Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground.

1. Lower bucket/attachment to the ground and install the transport/service link into the lock position.



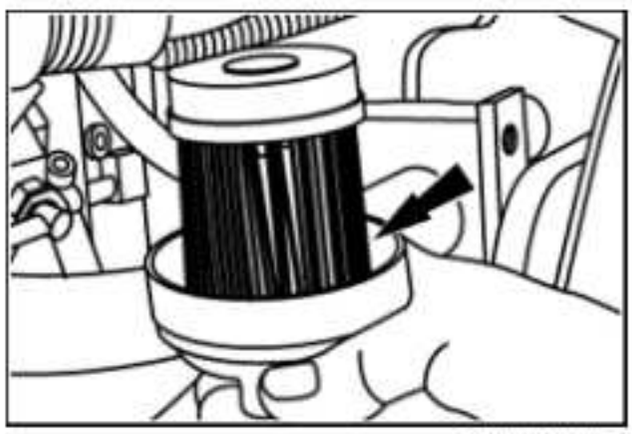
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2. Open the engine compartment. The supply module filter is located on the left side of the machine directly below the supply module.



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3. Use a suitable container to catch any fluid that is discharged during hose and filter disassembly. Thoroughly clean the underside of the supply module and the **DEF** supply line fitting using compressed air. Disconnect the supply line by squeezing the tabs on the fitting and pulling downward. If the fitting doesn't release easily, reclean the fitting with compressed air directing it down into the fitting. Water may also be squirted into the fitting to lubricate the O-ring. Once the fitting is disconnected, remove the **DEF** filter cartridge base by turning counterclockwise.
4. Turn the spin-on filter **(1)** counterclockwise to remove. Remove and discard the filter following local environmental and waste regulations.
5. Discard the O-ring and inspect the filter housing for damage. Clean cartridge housing with a damp cloth.



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Lift capacities

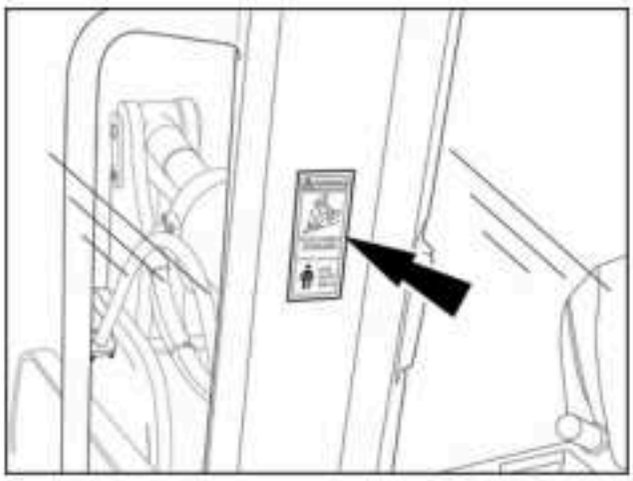
1021F Model Configurations

The following table lists hydraulic lift capacities for **1021F Z-Bar** lift applications:

	Bolt-on Edge Bucket	w/Teeth Bucket
1021F Z-Bar Specifications - **3.6 m³ (4.75 yd³)** Bucket		
Full height	**14143 kg (31180 lb)**	**14130 kg (31151 lb)**
Maximum reach	**20221 kg (44580 lb)**	**20253 kg (44650 lb)**
Ground	**23895 kg (52679 lb)**	**24156 kg (53256 lb)**
1021F Z-Bar Specifications - **4.2 m³ (5.5 yd³)** Bucket		
Full height	**14027 kg (30924 lb)**	**14016 kg (30900 lb)**
Maximum reach	**20094 kg (44300 lb)**	**20126 kg (44370 lb)**
Ground	**23413 kg (51617 lb)**	**23659 kg (52160 lb)**
1021F Z-Bar Specifications - **4.4 m³ (5.75 yd³)** Bucket Flat Bottom with Blade		
Full height	**13840 kg (30513 lb)**	—
Maximum reach	**19901 kg (43875 lb)**	—
Ground	**23000 kg (50706 lb)**	—
1021F Z-Bar Specifications - **4.4 m³ (5.75 yd³)** Bucket Flat Bottom with Teeth		
Full height	—	**13950 kg (30755 lb)**
Maximum reach	—	**20082 kg (44273 lb)**
Ground	—	**23479 kg (51763 lb)**

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WARNING – Use Seat Belt



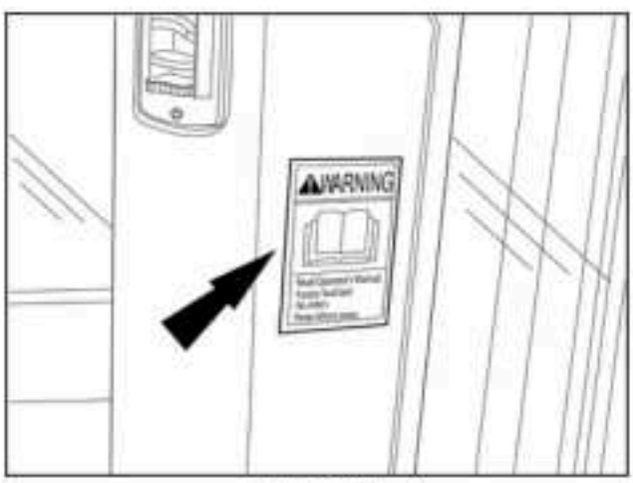
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This WARNING safety sign is located inside the operator compartment.
WARNING: To avoid crushing, do not jump if machine tips. Use seat belt. Failure to comply with this warning could result in death or serious injury.
North American decal number: 321-7030
French Canadian decal number: 124269A1
Spanish decal number: 124271A1



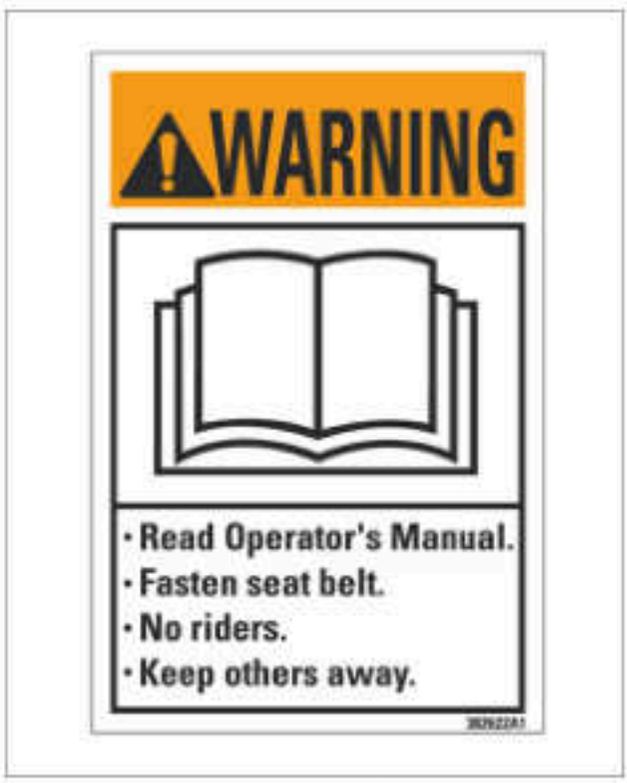
321T030 4

WARNING – Read Operator's Manual



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This WARNING safety sign is located inside the operator compartment.
WARNING: Read Operator's Manual. Fasten seat belt. Allow no riders. Keep others away. Failure to comply with this warning could result in death or serious injury.
North American decal number: 382622A1
French Canadian decal number: 333999A2
Spanish decal number: 3334000A2



382622A1 6

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