FARMALL® 40C
FARMALL® 50C
Compact Tractor

OPERATOR'S MANUAL

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CASE IH AGRICULTURE

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RIGHT-HAND SIDE CONTROLS

Hydraulic power lift (HPL)

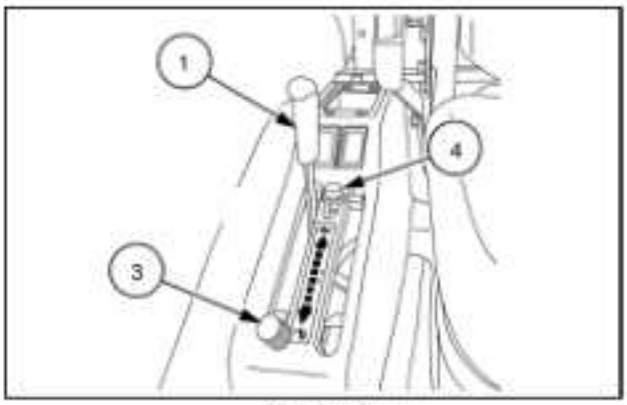
The HPL lever **(1)** is located on the right-hand control pod. The lever controls the position of the two lift arms.

⚠DANGER

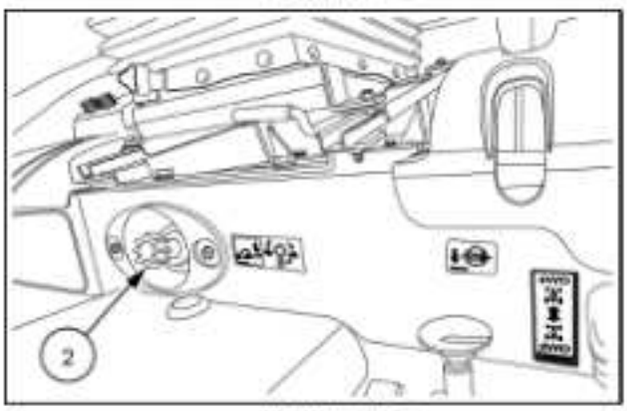
Crushing hazard!
Make sure area is clear of all persons before lowering equipment.
Failure to comply will result in death or serious injury.

D0018A

To lower the lift arms, first make sure the drop rate control valve **(2)** is open, then move the HPL lever forward. To raise the lift arms, move the lever rearward. An adjustable lower stop **(3)** is located in this quadrant for returning the lever to a preset lowering position of the hitch. An adjustable upper HPL control lever height stop **(4)** prevents the control lever from exceeding the lift limit and causing the tractor hydraulic system to go over the relief valve setting.



MHL13CT01175AA 1



MHL13CT01026AA 2

The hydraulic lift system provides accurate, smooth, and instant hydraulic power for raising a variety of compatible equipment whenever the engine is running. The system's position control feature maintains the selected height or depth of three-point linkage equipment in relation to the tractor. When the hydraulic lift control lever is moved to a higher or lower setting in the quadrant, the system repositions the equipment to a higher or lower position and maintains the selected position.

Position control

Position control provides easy, accurate control of the three-point linkage equipment which operated above the ground, such as sprayers, rakes, mowers etc. It also provides uniform depth when using a blade or similar equipment on ground level.

When operating in position control, there is a definite relationship between the position of the control lever in the quadrant and the position of the equipment. The lever must be moved to change the position of the equipment relative to the tractor. The system will automatically maintain the equipment in the selected position.

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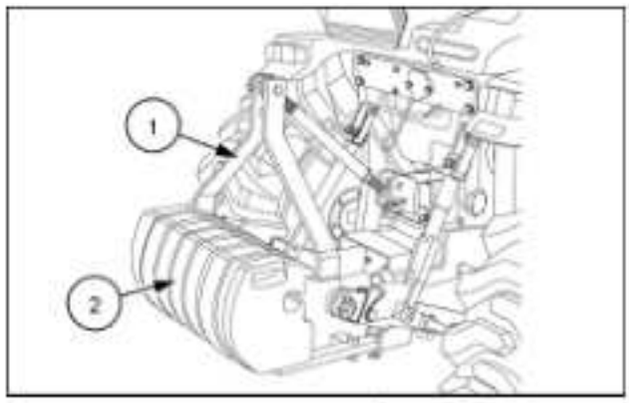
Rear counter weight bracket (Optional)

To mount cast iron weights on the rear of the tractor an optional weight bracket **(1)** must be installed on the rear 3-point hitch. A maximum of seven suitcase weights **(2)** can be fitted to the bracket.

Weight options:

A maximum of seven **27 kg** (**60 lb**) weights for a total weight of **191 kg** (**421 lb**).

A maximum of two **27 kg** (**60 lb**) weights, and five **45 kg** (**100 lb**) weights, for a total weight of **282 kg** (**622 lb**).

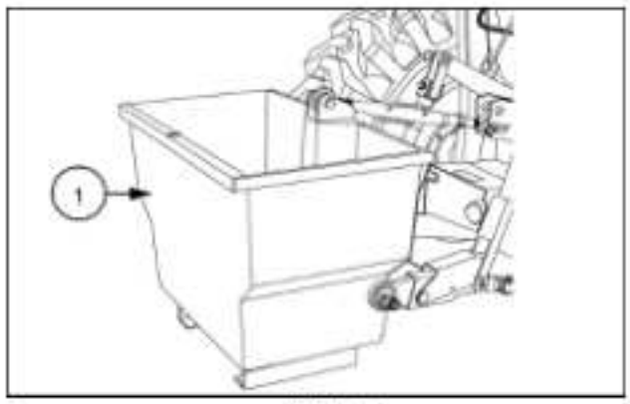


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Ballasting box (Optional)

A category-1, 3-point hitch, **227 kg** (**500 lb**) capacity ballasting box **(1)** may be purchased as extra equipment. Load with sand, gravel, or similar loose ballast as needed.

	Weight (Empty)	Weight (Loaded)
3-Point Hitch Ballasting Box	**46 kg** (**101 lb**)	**228 kg** (**503 lb**)



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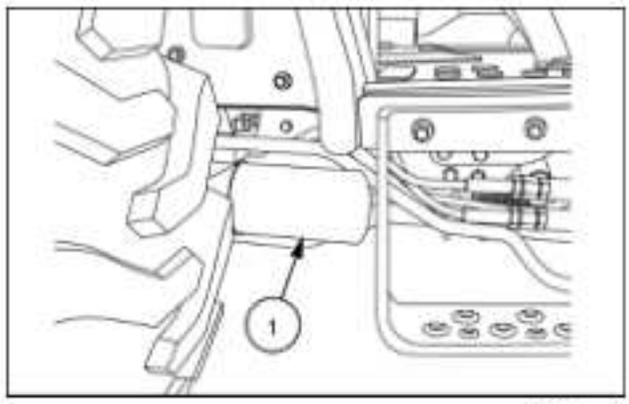
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Hydraulic oil filter - Hydraulic system

NOTE: *Replace the hydraulic system oil filter after the first 50 hours of operation, and then following every 300 hours of operation thereafter.*

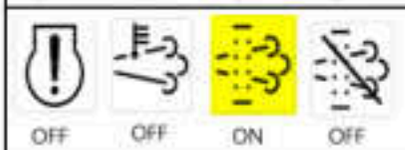
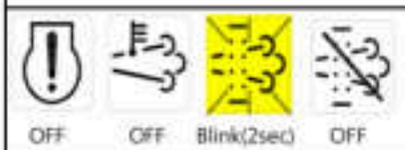
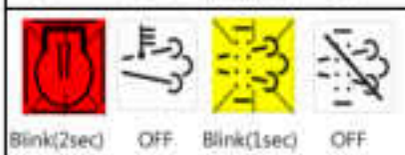
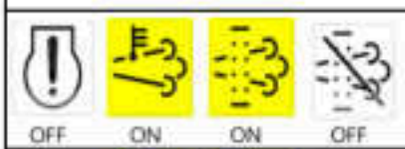
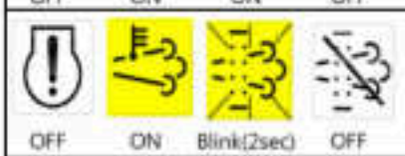
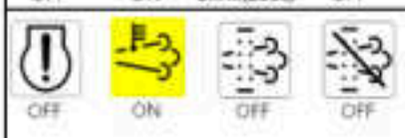
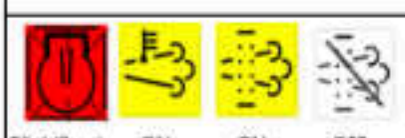
The hydraulic system uses a spin-on type oil filter **(1)**, located on the right-hand side of the tractor underneath the operator's platform. To replace the filter :

1. Unscrew the used oil filter and discard.
2. Coat the gasket on the new filter with a film of clean oil. Screw the filter into place until the gasket contacts the sealing surface, then tighten the filter by hand approximately three-quarters of a turn. Do not overtighten.
3. Start the engine and check the filter for leaks.
4. Stop the engine and check the hydraulic system oil level. Add oil if necessary.



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Combination of (DPF) indicator lights on the instrument panel		
Indicator symbol	(DPF) Regeneration Mode	(DPF) Status and Work Restriction
	No regeneration mode	The soot load in the (DPF) is below 60%. Work is possible
	Auto-regenration preparation mode	The soot load in the (DPF) is 60-80% (DPF) will regenerate soon automatically after engine is started Work is possible
	Auto-regenration preparation mode	The soot load in the (DPF) is 80-100% (DPF) will regenerate soon automatically after engine is started Work is possible
	Power limit preparation mode	The soot load in the (DPF) is 100-140% (DPF) will regenerate soon automatically after engine is started It is possible to start work after completion of auto regeneration, with all indicator lights are "OFF" and engine speed has returned to normal speed.
	Auto-regeneration operation mode	The soot load in the (DPF) is 60–80% and (DPF) is regenerating automatically Work is possible
	Auto-regeneration operation mode	The soot load in the (DPF) is 80–100% and (DPF) is regenerating automatically Work is possible
	High exhaust temperature mode	The temperature at the (DPF) outlet is over 300°C (572°F) after auto regeneration The indicator light will be turned of under 300°C (572°F) Work is possible
	Power limit operation mode	The soot load in the (DPF) is 100-140% and (DPF) is regenerating automatically. Engine power is de-rated 50% and engine speed is limited to 1800 rpm. Have to STOP work It is possible to start work after completion of auto regeneration, with all indicator lights are "OFF" and engine speed has returned to normal speed.
	Engine shutdown mode	The soot load in the (DPF) is over 140% and the engine has been shutdown. Contact you authorized dealer immediately. If restarting the engine, the engine can run for only thirty seconds to escape an emergency.

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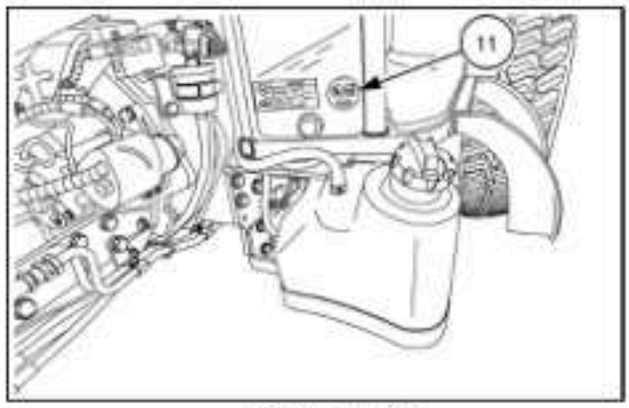
(11)
Fuel
Ultra low sulfur diesel fuel only

- English **MT40241059**

Location: Left side, on platform shield above the fuel tank.



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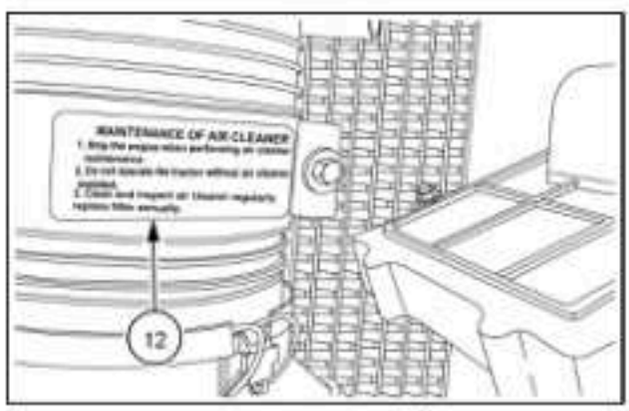
(12)
MAINTENANCE OF AIR CLEANER
1. Stop the engine when performing air cleaner maintenance.
2. Do not operate the tractor without air cleaner installed.
3. Clean and inspect air cleaner regularly
Failure to comply could result in machine damage.

- English **MT40195653**

Location: On top of the air cleaner.



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