OPERATOR'S MANUAL

L213 L223
L215 L225
L218 L230
L220
Tier 3

200 Series Skid Steer Loader

L213 PIN NBM441228 and above
L215 PIN NBM439248 and above
L218 PIN NBM437313 and above
L220 PIN NBM435678 and above
L223 PIN NBM434543 and above
L225 PIN NBM433048 and above
L230 PIN NBM432323 and above

C227
C232
C238
Tier 3

200 Series Compact Track Loader

C227 PIN NBM429443 and above
C232 PIN NBM427253 and above
C238 PIN NBM425088 and above

Part number 47571742
6th edition English
July 2013
Replaces part number 84601284

NEW HOLLAND CONSTRUCTION

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GENERAL INFORMATION

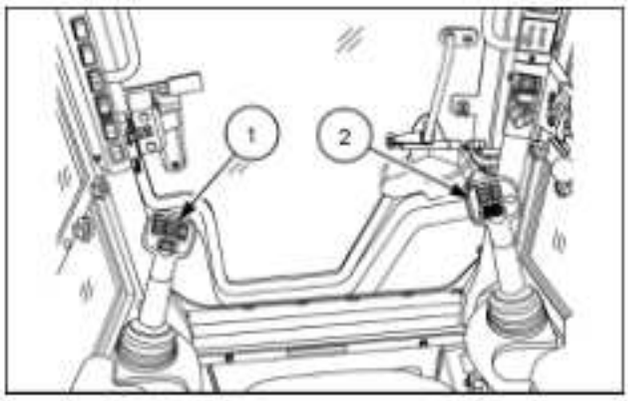
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Moving the machine

Push both the left hand control lever **(1)** and the right hand control lever **(2)** forward, from neutral, to move the machine forward. Pull both of the control levers rearward, from neutral, to move the machine in the reverse direction. Move the control levers forward a short distance for maximum power and slow speed. Move the control levers completely forward for maximum speed.

Move both control levers to NEUTRAL to stop movement of the machine.



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Engine oil and filter

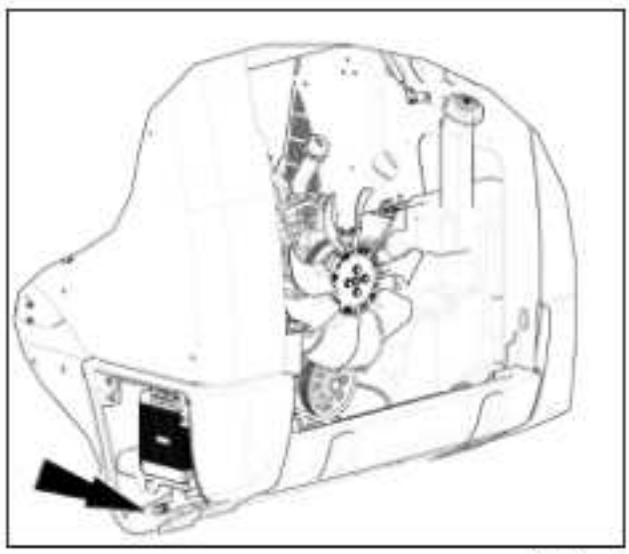
Change the engine oil and filter after the first 50 hours on a new machine or a rebuilt engine. Change engine oil and filter at 250 hr intervals for ISM 2.0L and 500 hour intervals for ISM 2.2L and F5C 3.2L, after the initial service.

Oil specification.....API CI-4, SAE 10W-30

Remote engine oil drain

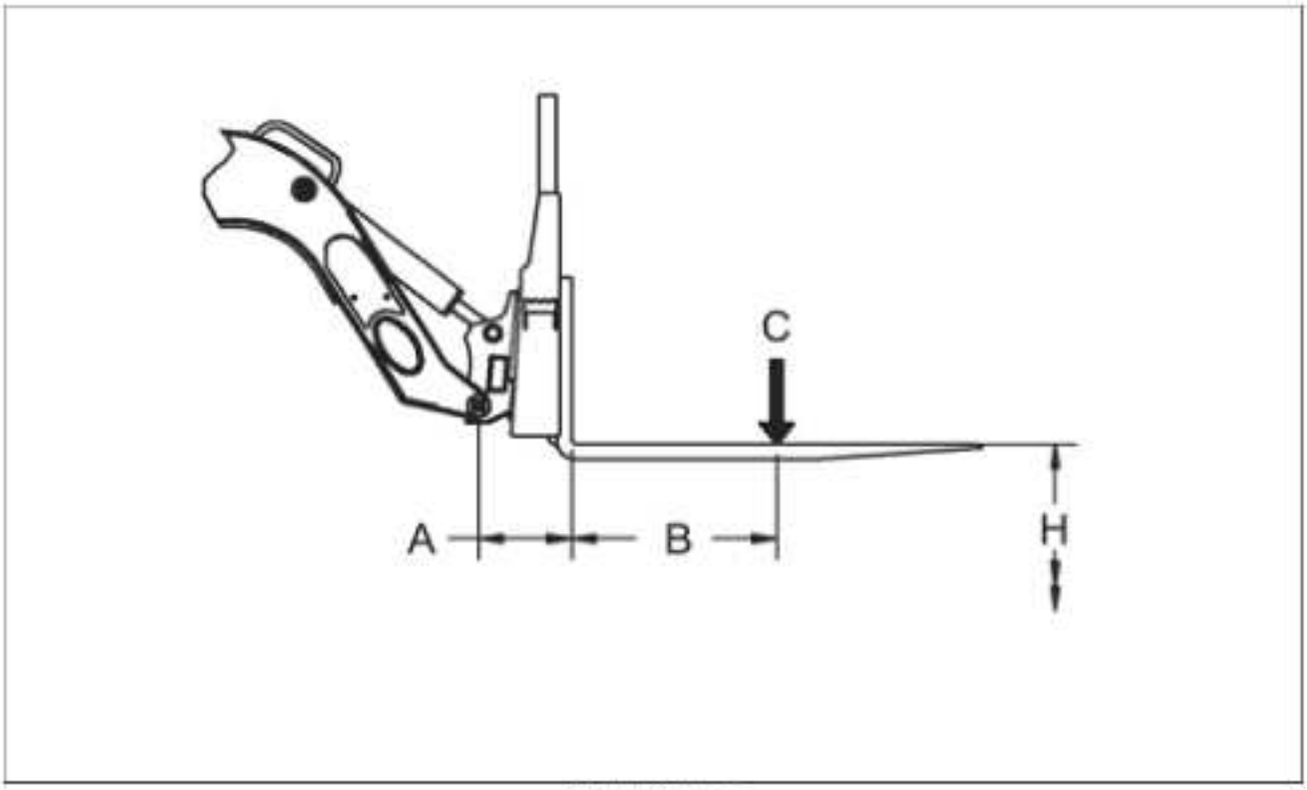
NOTE: *For more complete removal of foreign material, change the engine oil when the engine is still warm, but not hot from operation.*

1. Place the machine on firm, level ground, with brakes on and in transport position.
2. Remove the access cover at the rear lower left of the machine exposing the engine oil drain hose and remote filter for draining engine oil.
3. If applicable, use compressed air to clean the area the engine oil filter assembly and drain hose. If compressed air is not available, use a clean rag or cloth to wipe the area, clean to reduce the potential of dirt contamination into the engine.
4. Turn the old engine oil filter counter - clockwise to remove. Dispose of the filter properly. Use a clean cloth and wipe sealing surface of the old filter base to remove all dirt. Apply a thin layer of clean grease or oil to the gasket of the new filter. Put new oil into the engine oil filter. Then turn the new oil filter clockwise onto the base until the gasket makes contact with the base. Continue to tighten the filter with your hand for 1/2 to 3/4 turn.



NOTICE: *DO NOT use a filter strap wrench to install the oil filter. An oil filter strap wrench can cause a leak if the filter is dented or overstressed.*

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Pallet Fork 201 kg (443 lb) – Rated Operating Capacity (ROC)

Legend:	A = **277 mm (10.9 in)**	B= **610 mm (24.0 in)**	C= Load Center of Gravity (CG)
Model	H = Height @ maximum reach	ROC	ROC w/Standard Weight Kit
L213	**1330 mm (52.4 in)**	**290 kg (639 lb)**	**320 kg (705 lb)**
L215	**1330 mm (52.4 in)**	**345 kg (639 lb)**	**375 kg (827 lb)**
L218	**2495 mm (52.4 in)**	**410 kg (904 lb)**	**440 kg (970 lb)**
L220	**2495 mm (52.4 in)**	**490 kg (1080 lb)**	**520 kg (1146 lb)**
L223	**2650 mm (104 in)**	**560 kg (1235 lb)**	**635 kg (1400 lb)**
L225	**2650 mm (104 in)**	**630 kg (1389 lb)**	**705 kg (1554 lb)**
L230	**2690 mm (106 in)**	**770 kg (1698 lb)**	**845 kg (1863 lb)**
C227[1]	**1505 mm (59.3 in)**	**470 kg (1036 lb)**	**490 kg (1080 lb)**
C232[1]	**2690 mm (106 in)**	**550 kg (1213 lb)**	**660 kg (1455 lb)**
C238[1]	**2690 mm (106 in)**	**660 kg (1455 lb)**	**770 kg (1698 lb)**

[1]Specified ROC for track models is 35% tipping load.

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Machine safety sign information

⚠ WARNING

Avoid injury!
Make sure safety signs are legible. Clean safety signs regularly. Replace all damaged, missing, painted over, or illegible safety signs. See your dealer for replacement safety signs. If a safety sign is on a part that is replaced, make sure the new part has a safety sign.
Failure to comply could result in death or serious injury.

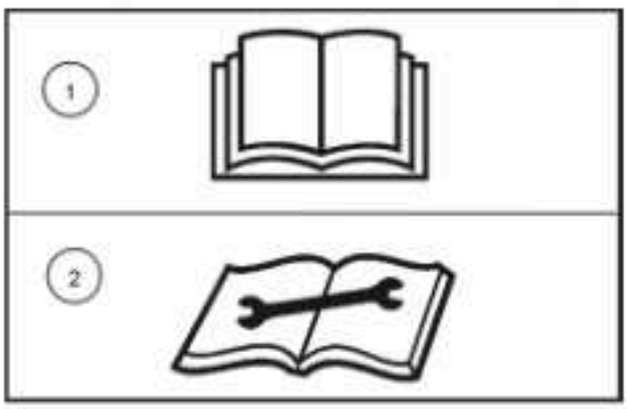
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The following safety signs are placed on your machine as a guide for your safety and for those working with you. Walk around the machine and note the content and location of these safety signs before operating your machine.

Keep safety signs clean and legible. Clean safety signs with a soft cloth, water, and a gentle detergent. Do not use solvent, gasoline, or other harsh chemicals. Solvents, gasoline, and other harsh chemicals may damage or remove safety signs.

Replace all safety signs that are damaged, missing, painted over, or illegible. If a safety sign is on a part that is replaced, make sure the safety sign is installed on the new part. See your dealer for replacement safety signs.

Read operators manual symbol.
Safety signs that display the "Read Operator's Manual" symbol **(1)** are intended to direct the operator to the operator's manual for further information regarding maintenance, adjustments, or procedures for particular areas of the machine. When a safety sign displays this symbol, refer to the appropriate page of the operator's manual.
Read service manual symbol.
When a decal displays the "read service manual" symbol **(2)**, refer to the service manual for specific information such as service, operation, maintenance or adjustment. See an authorized dealer for a service manual.
One or both of these symbols may appear on a decal relating to safety, machine operation or service. To the right is a sample safety sign that directs the machine operator or service technician to the operators manual **(1)** for additional information concerning this procedure.



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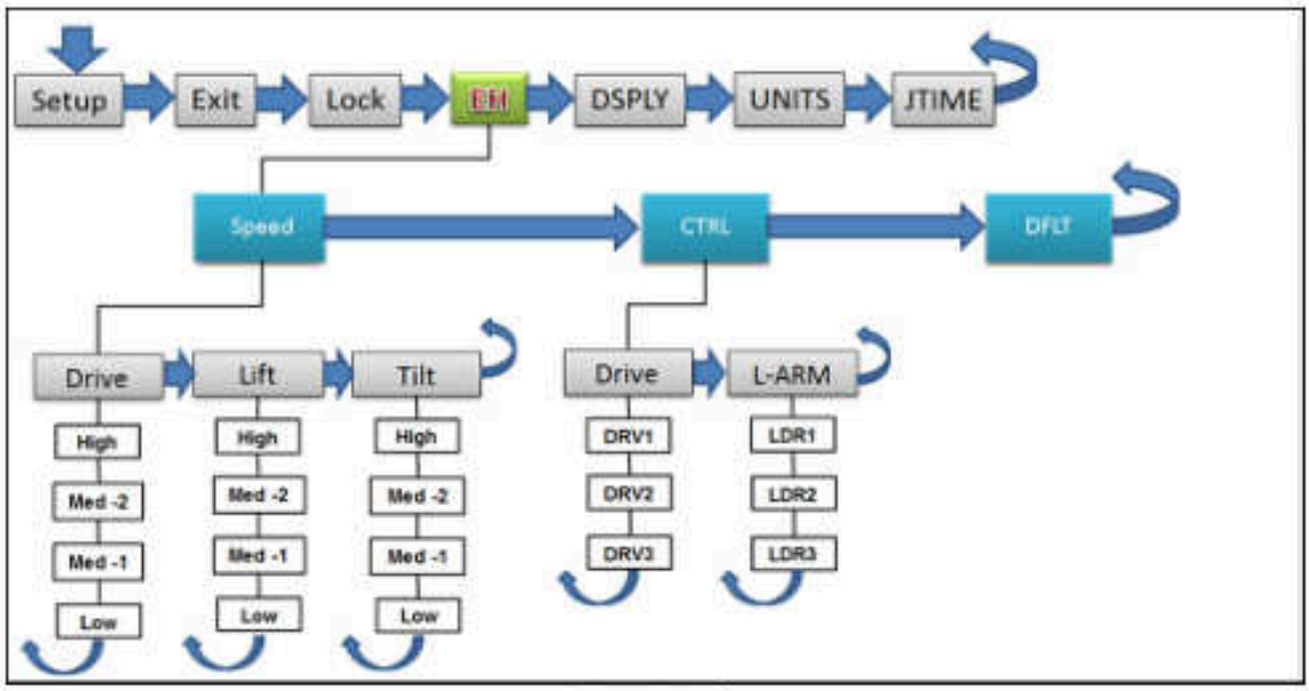
ISO two-panel pictorial symbol safety signs.
The first panel indicates the nature of the hazard. The second panel indicates the appropriate avoidance of the hazard. The background color is YELLOW. Prohibition symbols such as STOP, if used are RED.



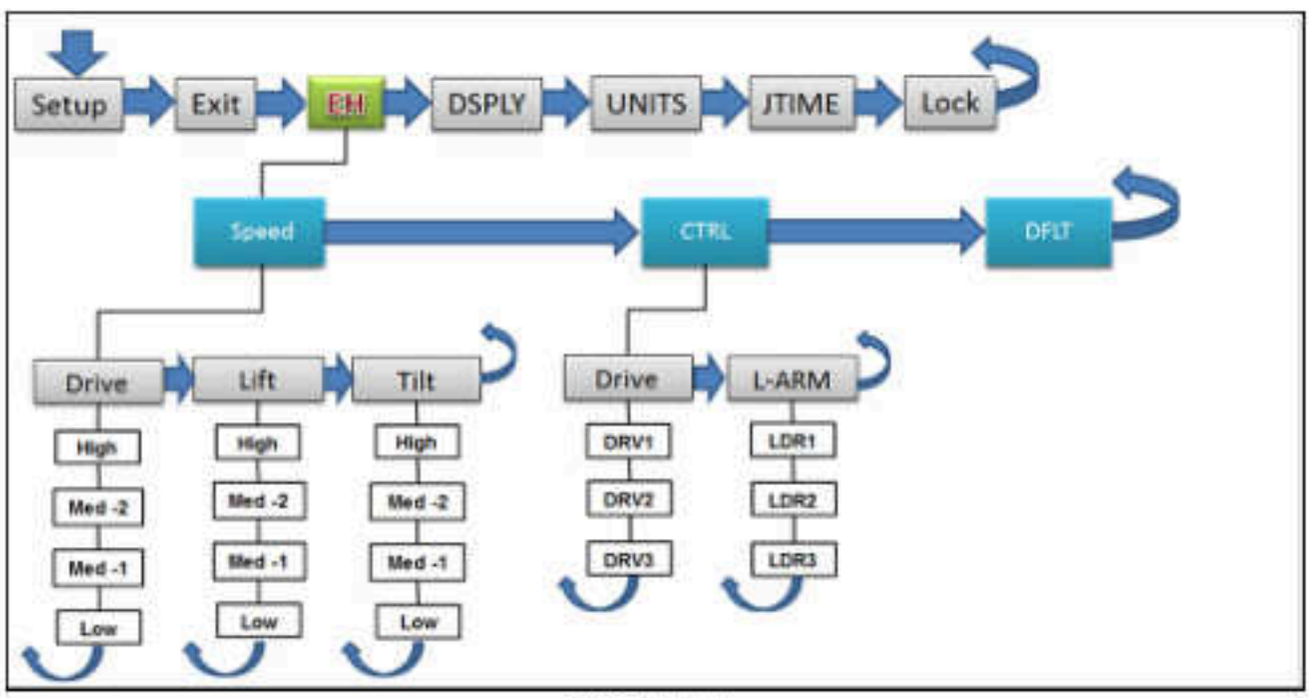
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The following figure is for machines built before August 2013



The following figure is for machines built from August 2013



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