SR130 SR200
SR150 SR220
SR175 SR250
SV185 SV250
SV300
Tier 3

Alpha Series Skid Steer Loader

SR130 PIN NBM424838 and above
SR150 PIN NBM426353 and above
SR175 PIN NBM427853 and above
SV185 PIN NBM429043 and above
SR200 PIN NBM429843 and above
SR220 PIN NBM431423 and above
SR250 PIN NBM433948 and above
SV250 PIN NBM435143 and above
SV300 PIN NBM436928 and above

TR270
TR320
TV380
Tier 3

Alpha Series Compact Track Loader

TR270 PIN NBM438663 and above
TR320 PIN NBM439948 and above
TV380 PIN NBM440878 and above

OPERATOR'S MANUAL

Part number 47540652
5th edition English
July 2013
Replaces part number 84601205

CE

CASE CONSTRUCTION

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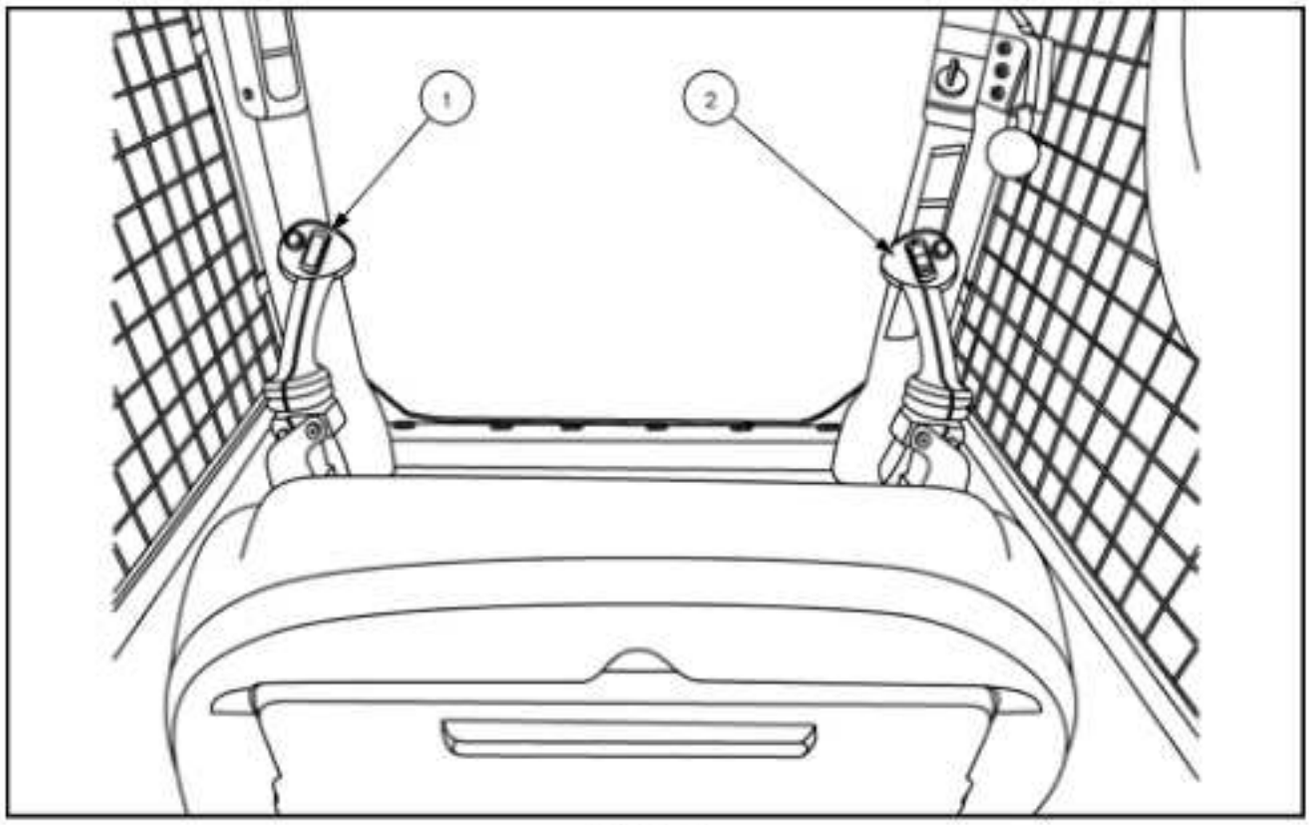
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H control pattern lift arm and bucket controls

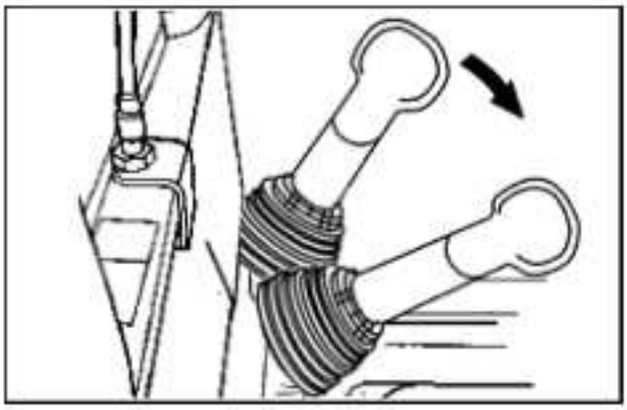
Lift arm raise/lower control



83109347C 1

Lift arm raise and lower control.

- The left-hand control lever **(1)** controls the lift arm. The lift arm will raise by pivoting the handle "UP" to the outside of the cab. Pivoting the handle "DOWN" to the inside of the cab will lower the lift arm.
- The lift arm spool is equipped with a detented "FLOAT" circuit if the operator wants the lift arm to float over changing ground contour.
  For the EH system, the float is engaged by pressing the float button on the right handle **(2)** and pushing the left handle **(1)** partially to the down stroke. If the operator has the left handle partially in the down stroke position and then presses the float button, the float will engage. To disengage the float, pull the left handle to the up stroke slightly.



[illegible] 2

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Engine oil and filter

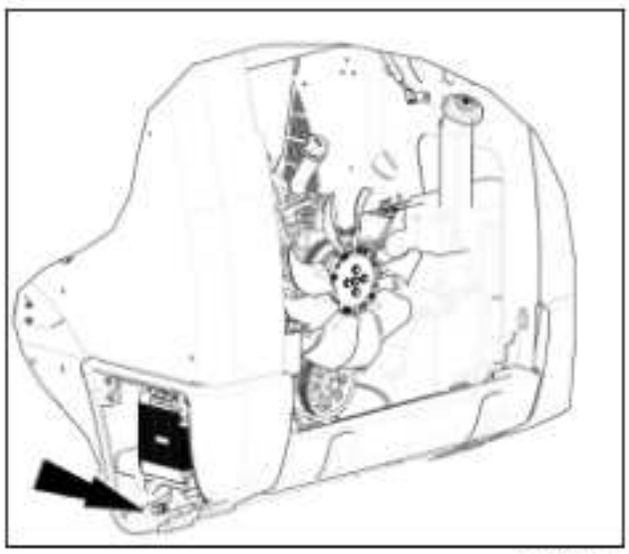
Change the engine oil and filter after the first 50 hours on a new machine or a rebuilt engine. Change engine oil and filter at 250 hr intervals for ISM 2.0L and 500 hour intervals for ISM 2.2L and F5C 3.2L, after the initial service.

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

Remote engine oil drain

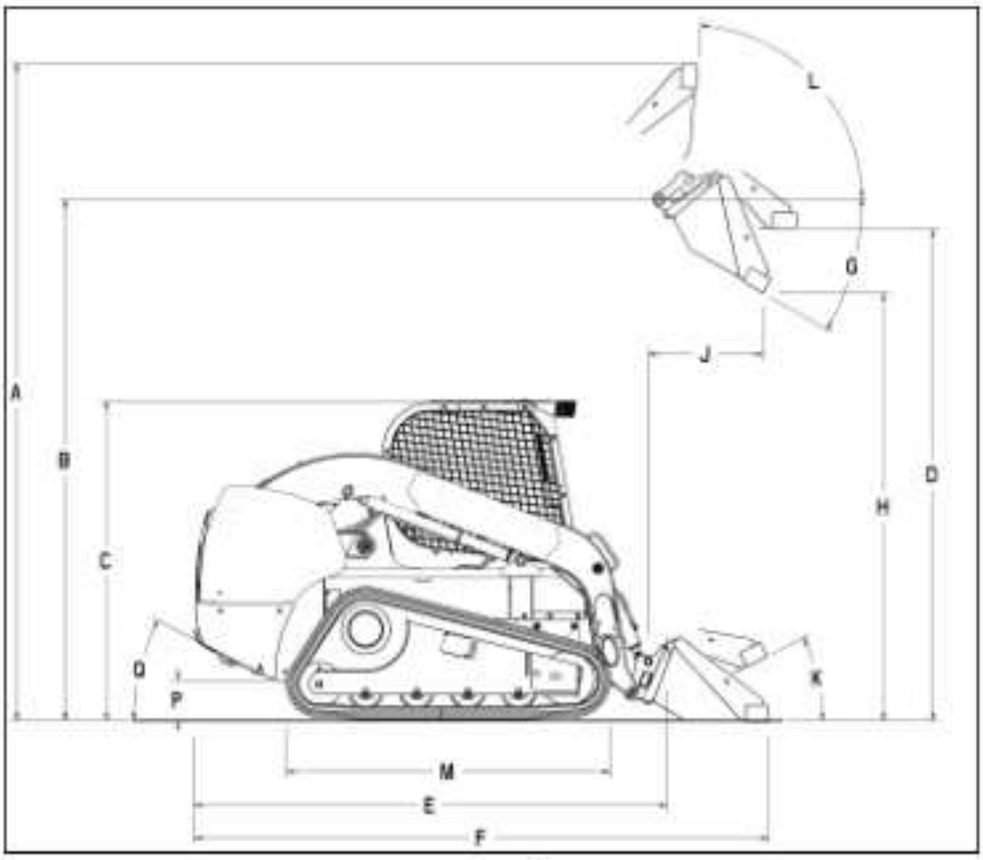
NOTE: *For more complete removal of foreign material, change the engine oil when the engine is still warm, but not hot from operation.*

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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LARGE RADIAL FRAME TRACK UNITS (TR320)

LOCATION	COMPONENT	MEASUREMENT
A	Overall Operating Height (Fully Raised)	4009 mm (157.8 in)
B	Height to Hinge Pin (Fully Raised)	3215 mm (126.5 in)
C	Cab Height	2043 mm (80.4 in)
D	Highest Level Bucket Height	3038 mm (119.6 in)
E	Overall Length (No Attachment)	2981 mm (117.4 in)
F	Overall Length (With std Bucket)	3611 mm (142.2 in)
G	Dump Angle (Fully Raised)	38.3 °
H	Dump Height (Maximum Reach)	2598 mm (102.2 in)
J	Dump Reach (Fully Raised)	540 mm (21.2 in)
K	Maximum Rollback @ Ground	29.7 °
L	Maximum Rollback (Fully Raised)	99.7 °
M	Wheel Base	1602 mm (63.1 in)
P	Ground Clearance (Belly Pan)	243 mm (9.5 in)
Q	Angle of Departure	32 °
U	Rear Axle to Bumper	N/A

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Safety signs

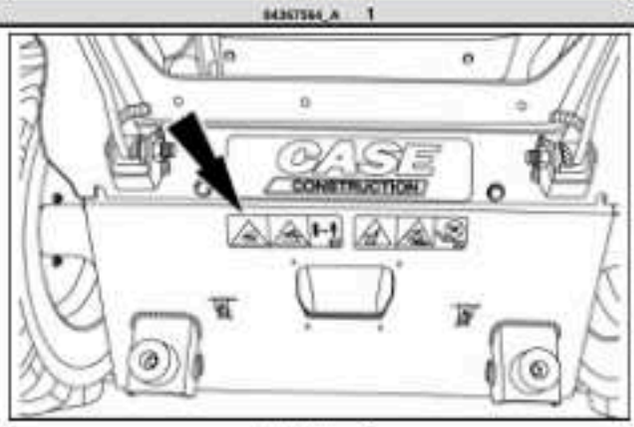
Following is a listing of Safety Decals and locations. Read and understand them before operating the machine.

DANGER
CRUSH HAZARD Keep out of this area when lift arm is raised, unless lift arm is supported by the support strut. Failure to comply will result in death or serious injury.

Quantity: 1
84367564_A



Located under door way.

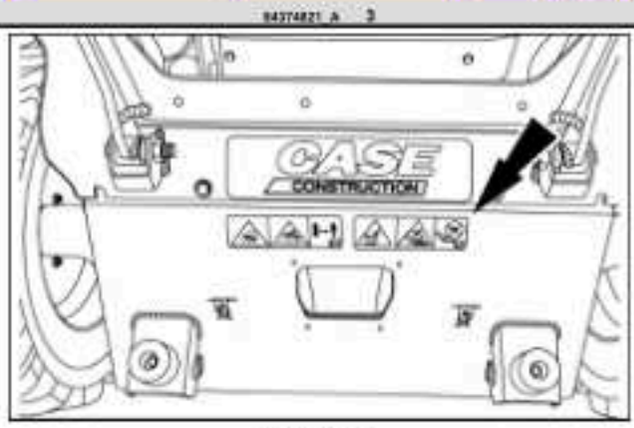


WARNING
FALL HAZARD NO Riders. Not a manlift or work platform. Failure to comply could result in death or serious injury.

Quantity: 1
84374821_A

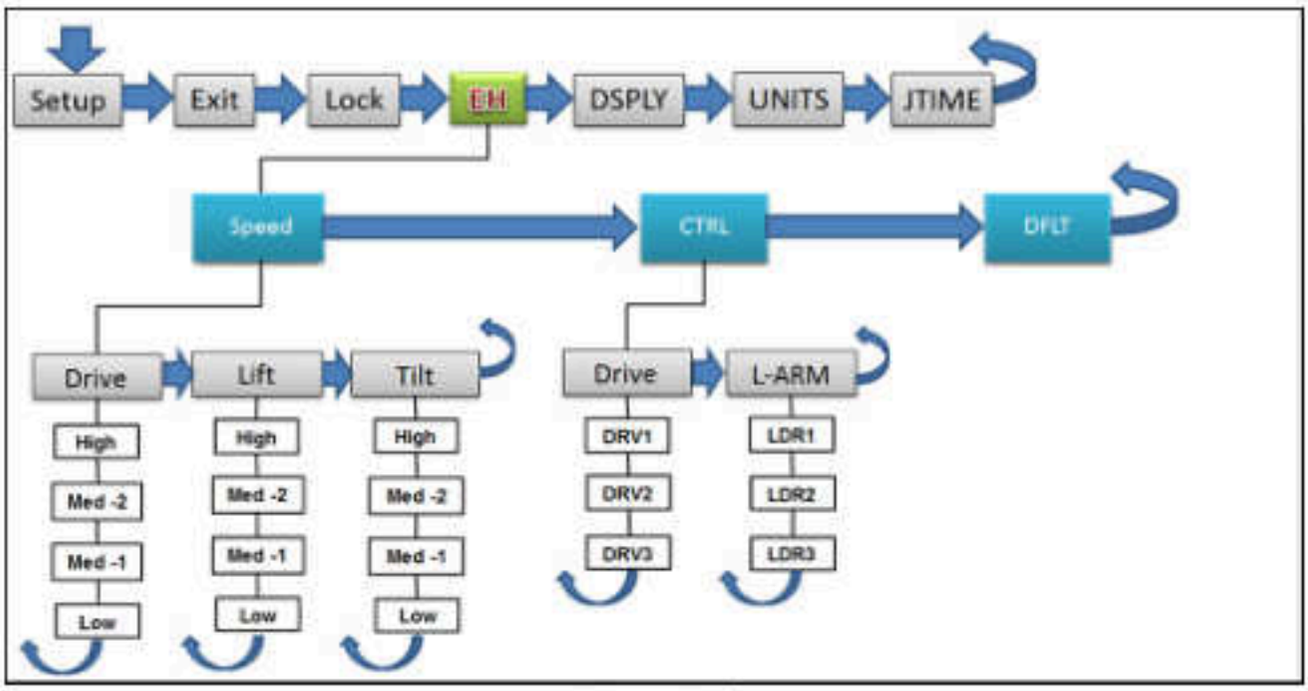


Located under door way.



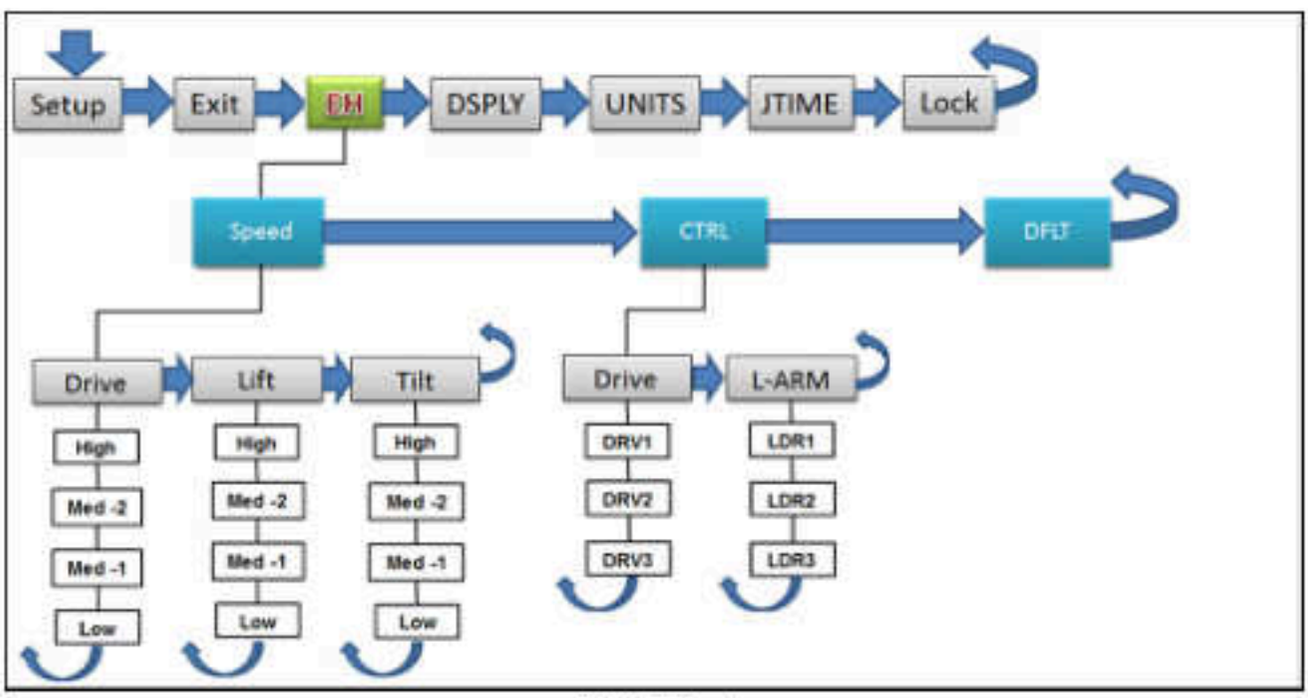
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The following figure is for machines built before August 2013



RAIL13SSL579TOA 5

The following figure is for machines built from August 2013



RAIL13SSLE756GA 6

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