750M
Tier 4
Crawler Dozer

PIN NCDC75000 and above
PIN NDDC70000 and above
PIN NEDC70000 and above
PIN NFDC70000 and above

OPERATOR'S MANUAL

Part number 47713441
2nd edition English
March 2015
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CASE CONSTRUCTION

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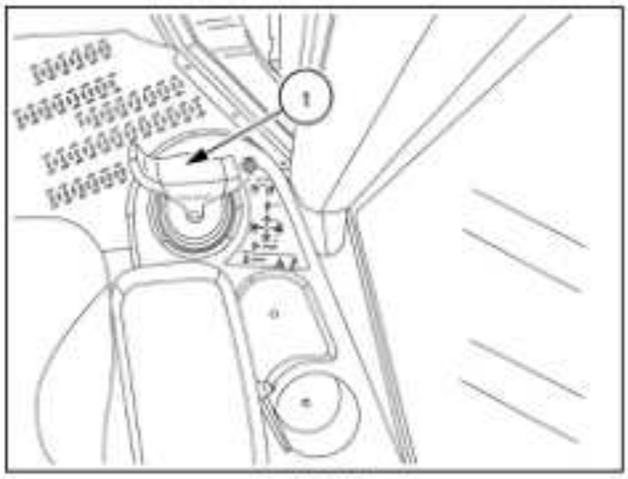
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RIGHT-HAND SIDE CONTROLS

Dozer blade control lever

The dozer blade control lever **(1)** is located on the right hand console. Position **(A)** FLOAT is the only position that the lever will remain in without the operator holding the lever. The blade will stop, and the lever will return to neutral or the HOLD position in any other position when the lever is released.

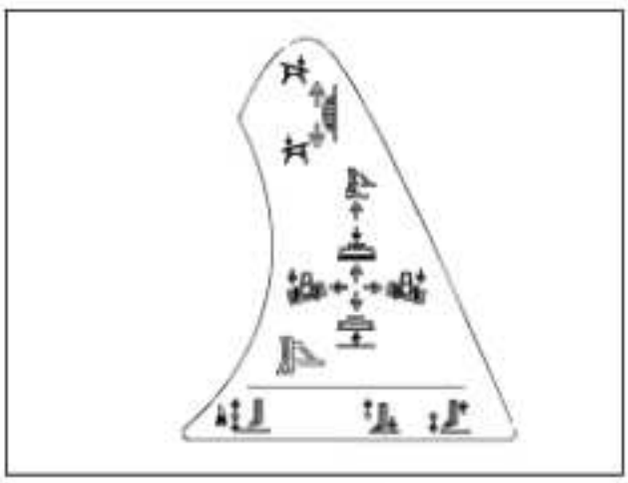


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Float



FLOAT **(A)** is a detent position. When in the FLOAT position, the blade can follow the level of the ground without movement of the control lever.



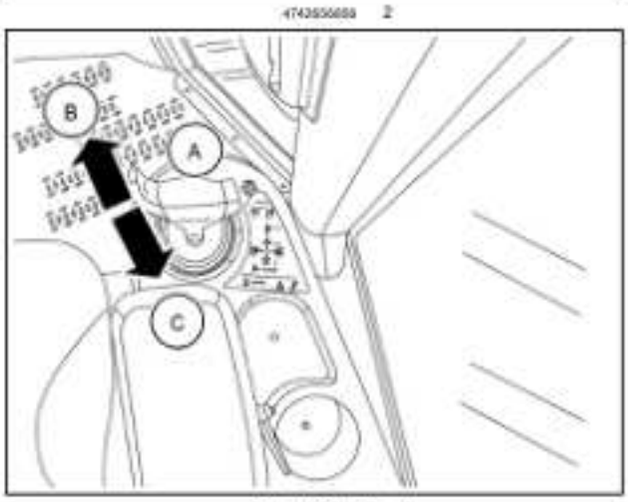
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Lower



Push the control lever forward **(B)** to LOWER the blade. The control lever must be held in this position in order to lower the blade. When the lever is released, it will return to the HOLD position.

NOTE: *A quick drop feature allows the blade to lower quickly. The further the joystick is moved forward, the more quickly the blade moves. To activate the quick drop, move the joystick to the end of blade down stoke before the float detent feel point.*



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Raise



Move the control lever back to the RAISE **(C)** position to lift the blade. When the control lever is released, it will return to the neutral or HOLD position.

Hold

The blade will stop moving in the HOLD position. When released, the control lever will return automatically to the HOLD position. You must manually move the control lever from the FLOAT position to the HOLD position.

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Initial 100 hours

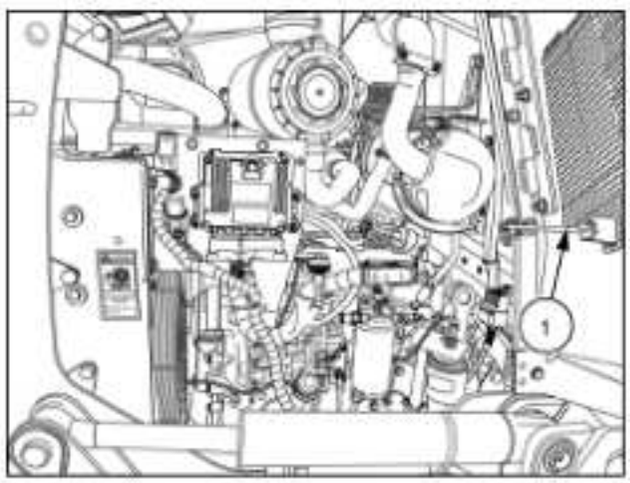
Change engine oil and filter (Initial)

Change the engine oil and filter when the hour meter registers 100 hours for a new machine during the initial run-in period. The engine oil and filter should be changed every 500 hours thereafter or more frequently when the engine 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, turn off the engine, remove the key, and verify that engine components have cooled or avoid contact. Make sure that all residual pressure is relieved from circuits before beginning maintenance.

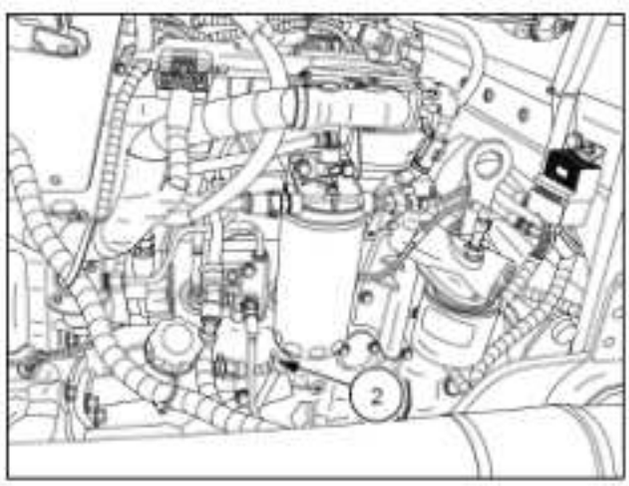
Service specifications	
Type of oil	**CASE AKCELA UNITEK NO. 1™ SBL CJ-4 SAE 10W-40**
Capacity (with filter change)	**8.0 l (8.45 US qt)**

1. Open the left front access door, and secure the door open with the door strut **(1)**.
2. Remove the lower engine access panel.



RAIL13DOZ1107AA 1

3. Remove the oil dipstick **(2)**. Warm oil (not hot) along with the removal of the oil dipstick **(2)** allows the oil to drain faster.



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NOTE: *If the machine is so equipped, and the special draining equipment is available, use the engine oil environmental drain located inside the left side engine access door.*

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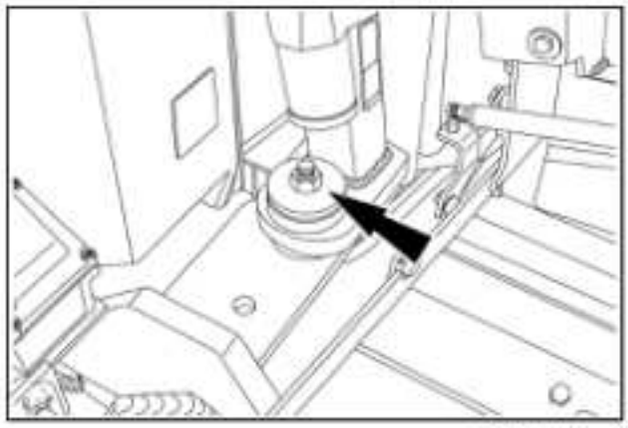
ROPS cab torque specifications

⚠ WARNING

Tip-over hazard!
Adding additional weight (buckets, attachments, etc.) to the machine can create a tipping hazard. Do not exceed the gross weight indicated by the machine specifications.
Failure to comply could result in death or serious injury.

W0153A

1. Check the torque of the ROPS mounting bolts. If necessary, tighten the bolts to the correct torque.
2. Check for cracks, rust, or holes in the ROPS and ROPS components. Age, weather, and accidents can cause damage to the ROPS and ROPS parts. If you have any doubt about the integrity of the ROPS system, see your authorized dealer.



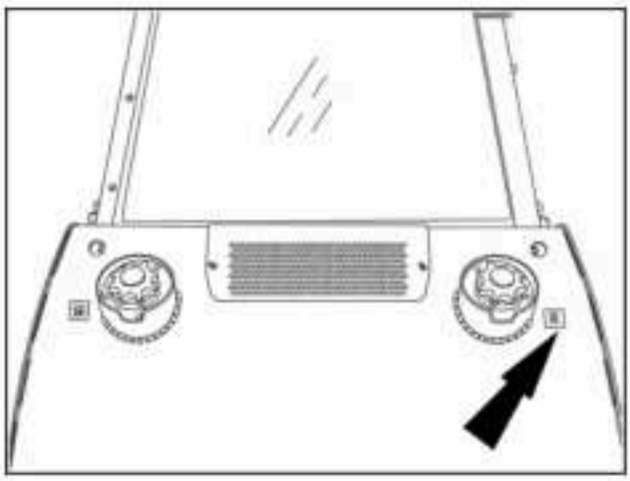
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Torque specifications	
ROPS cab mounting bolts (both sides)	Torque to: **773 - 854 N·m (570.1 - 629.9 lb ft)**

NOTE: *Torque specifications are for clean, dry threads.*

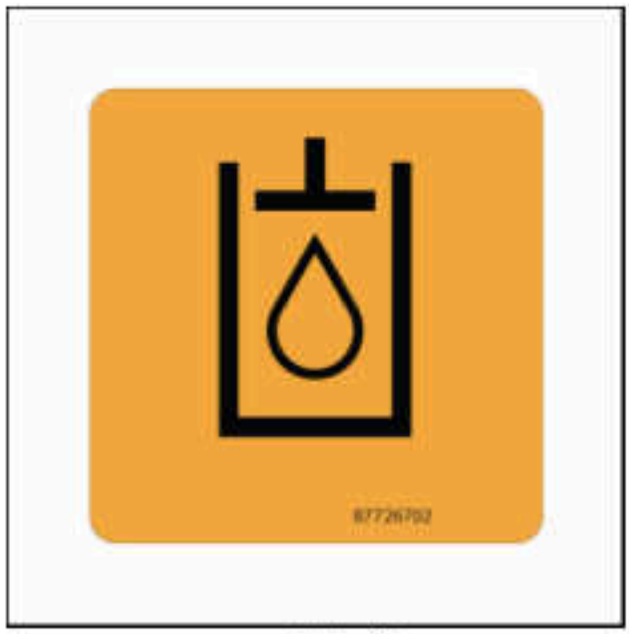
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Hydraulic oil fill location



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This informational sign is located next to the hydraulic oil fill. It indicates the correct hydraulic oil fill location. ISO sign number: 87726702



87726702 36

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