2050M
Tier 4
Crawler Dozer

PIN NCDC25000 and above
PIN NDDC25000 and above
PIN NEDC20000 and above
PIN NFDC20000 and above

OPERATOR'S MANUAL

Part number 47713577
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CASE
CONSTRUCTION

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Ripper control lever



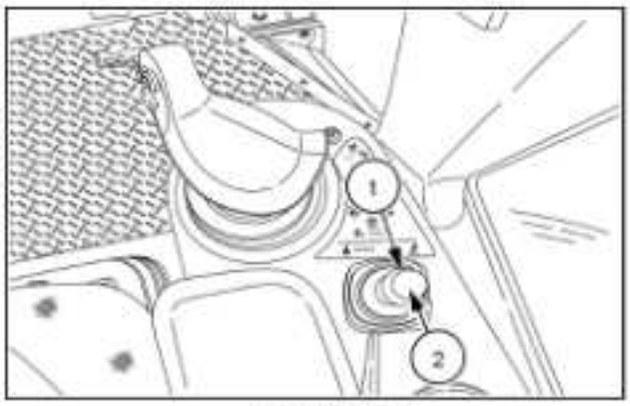
Move the ripper control lever forward right to the **(1)** position to lower the ripper.



Move the ripper control lever to the back left **(2)** position to raise the ripper.

The ripper will stop moving when the control lever is in the HOLD position. When released, the control lever will return to the HOLD position automatically.

A winch can also be used with this control. Select winch or ripper from the multi-function display configuration. Only use an approved winch.



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Every 500 hours

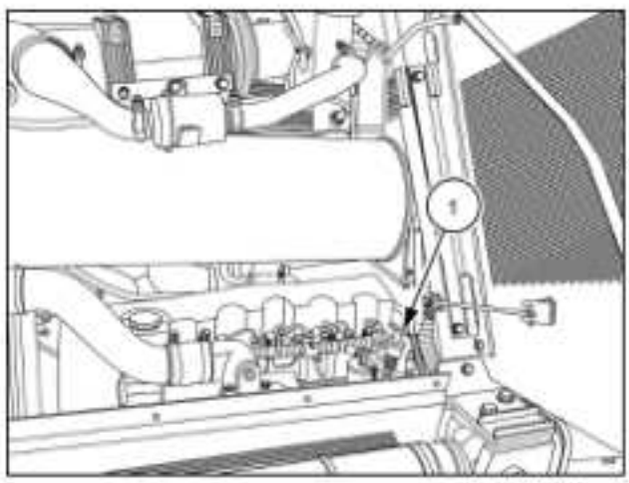
Change engine oil and filter

Change the engine oil and filter when the hour meter registers 500 hours Change the engine oil and filter 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. 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)	**16.4 l (17.3 US qt)**
Capacity (without filter change)	**15.6 l (16.5 US qt)**

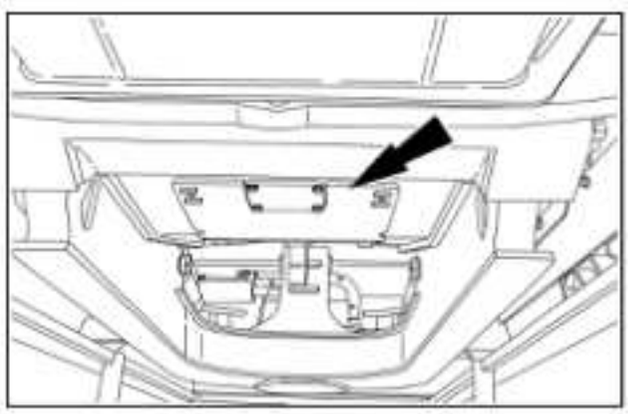
1. Open the left-hand front access door. Secure the access door with the door strut.
2. Remove the oil dipstick **(1)**.



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NOTE: *Oil drains faster when the oil is warm (but not hot) and the oil dipstick is removed.*

3. Use a suitable container to collect the drained oil.
4. Remove the bolts that secure the engine oil access plate under the engine.



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

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Tracks - General specification

Track adjustment	Hydraulic
Track frame suspension	Pivot shaft and oscillating equalizer beam
Track link pitch	**203.2 mm (8.0 in)**
Height of track shoe grouser	**71.5 mm (2.8 in)**
Track pin diameter	**44.53 mm (1.753 in)**
Track bushing diameter	* **72.7 mm (2.862 in)** or ** **93.2 mm (3.67 in)**
Number of sprocket teeth	* 25 total (Five 5 tooth segments) or ** 13
Sprocket pitch diameter	* **814.97 mm (32.09 in)** or ** **846.42 mm (33.324 in)**
Track frame	Reinforced boxed sections with replaceable sloped track covers
CASE lubricated track (CLT)	Standard
CASE extended life track (CELT)	Optional

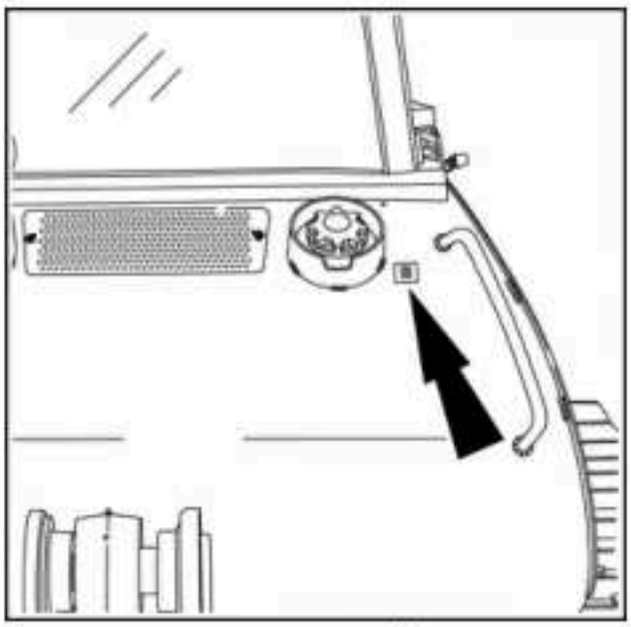
NOTE: *If machine is equipped with optional CELT chain ground pressure will be* ***0.7 kPa (0.1 psi)*** *greater.*

LT = Long Track
XLT = Extra Long Track
WT = Wide Track
LGP = Low Ground Pressure

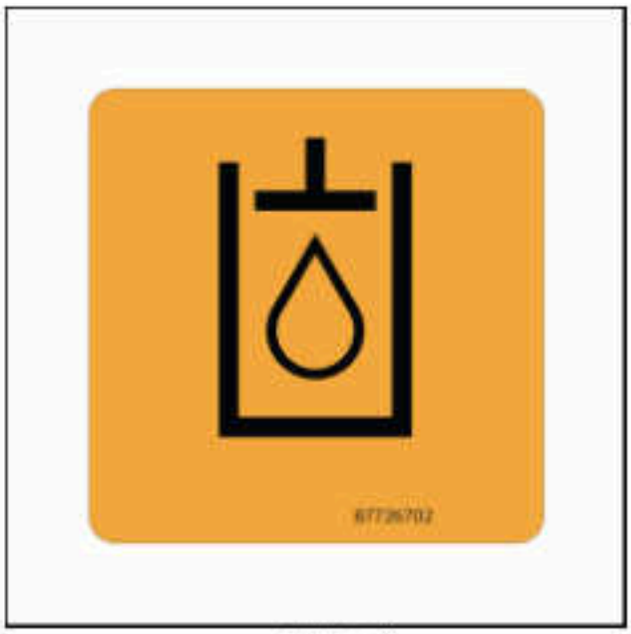
	Tractor models		
	LT	XLT	WT / LGP
Number of track shoes per side	40	45	45
Number of carrier rollers per side	2	2	2
Number of track rollers per side	7	8	8
Roller flange configuration from sprocket	SF,DF,SF,DF,SF,DF SF	SF,DF,SF,DF,SF,DF SF	SF,DF,SF,DF,SF,DF SF
Carrier roller diameter	**187.5 mm (7.38 in)**	**187.5 mm (7.38 in)**	**187.5 mm (7.38 in)**
Track roller rail diameter	**210 mm (8.27 in)**	**210 mm (8.27 in)**	**210 mm (8.27 in)**
Idler rail diameter	**678 mm (26.69 in)**	**678 mm (26.69 in)**	**678 mm (26.69 in)**
Length of track on ground model — CASE Lubricated Track (CLT)	**2645 mm (104 in)**	**3277 mm (129 in)**	**3277 mm (129 in)**
Length of track on ground model with optional CASE Extended Life Track (CELT)	**2624 mm (103 in)**	**3251 mm (128 in)**	**3251 mm (128 in)**
Track gauge	**1941 mm (76 in)**	**1941 mm (76 in)**	**2261 mm (89 in)**
Track shoe width options	**610 mm (24 in)**	**610 mm (24 in)**	**711 mm (28 in)**
	—	**711 mm (28 in)**	**762 mm (30 in)**
	—	—	**914 mm (36 in)**

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Hydraulic oil fill location



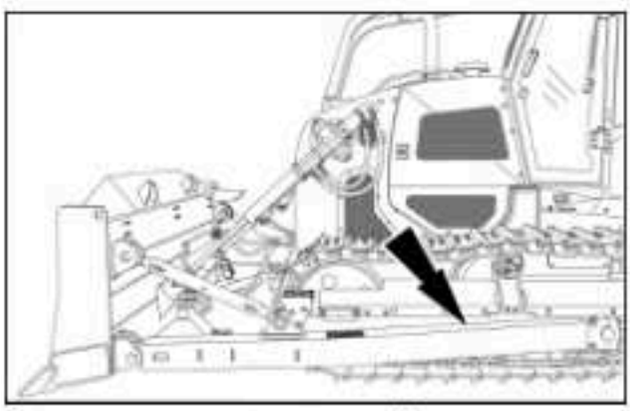
RAIL15DOZ0903AA 42



87726702 43

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

WARNING — Do Not Step (Optional dozer blade only)



RAIL13DOZ1999AA 44



RGLTDWHL1908AL 45

This WARNING safety sign is located on the bulldozer arm cylinder cover. One each side.
WARNING — Do Not Step. Fall hazard. Mount the machine with the optional bulldozer blade from the step on the push beam or from the rear of the machine.
ISO safety sign number: 134402

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