420
430
440
Series 3
Skid Steer

420CT
440CT
Series 3
Compact Track

Operator's Manual

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CASE
CONSTRUCTION

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Chapter 2

SAFETY, AND SAFETY DECALS

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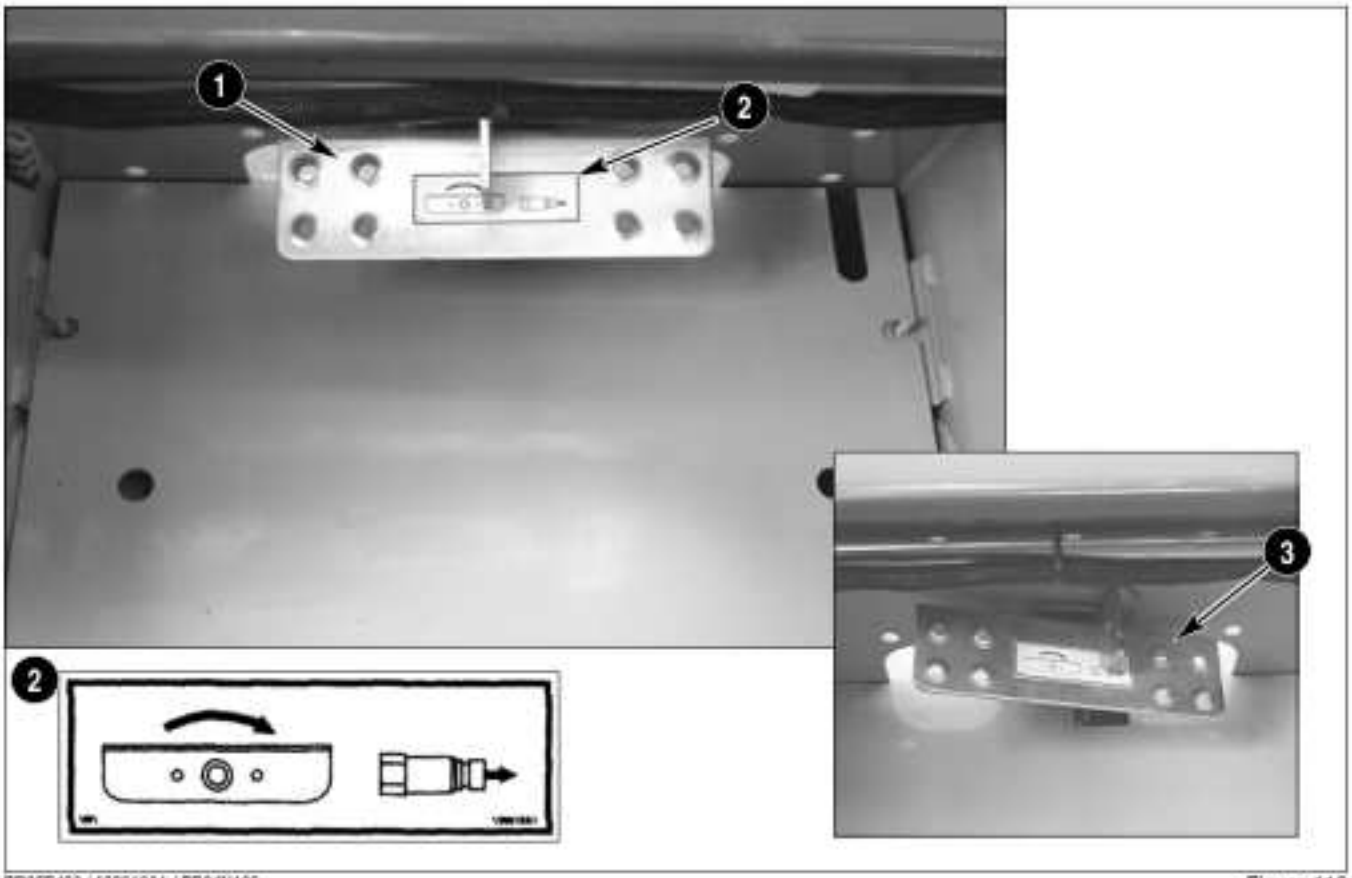
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AUXILIARY HYDRAULIC CONTROL PEDAL



BD05E493 / 139618A1 / BD04N106

Figure 112

1. AUXILIARY HYDRAULIC FOOT CONTROL PEDAL
2. AUXILIARY HYDRAULIC FOOT CONTROL PEDAL INSTRUCTIONAL DECAL
3. AUXILIARY HYDRAULIC FOOT CONTROL PEDAL IN ***ON*** POSITION (RIGHT SIDE OF PEDAL DOWN)

Figure 113

WARNING: *Always relieve hydraulic pressure before attaching or removing auxiliary hydraulic attachments.*

To relieve pressure:

1. Turn off the engine.
2. Actuate the auxiliary hydraulic pedal both ways several times.

Figure 114

WARNING: *Make sure not to accidently make contact with the auxiliary hydraulic foot control pedal while entering or exiting the cab. Accidental contact could alter hydraulic flow and cause Death or serious injury.*

Figure 115

IMPORTANT: *The High Flow Switch must be turned to the OFF position when not in use or required. Overheating of the hydraulic fluid or poor attachment operation may occur.*

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LIFTING THE MACHINE

WARNING: *Only personnel with heavy machine lifting experience should attempt craning the machine. Contact your Dealer.*

Figure 73

Use only lifting equipment with a rated capacity to handle the weight of the model skid steer being lifted. The lifting equipment weight must be added.

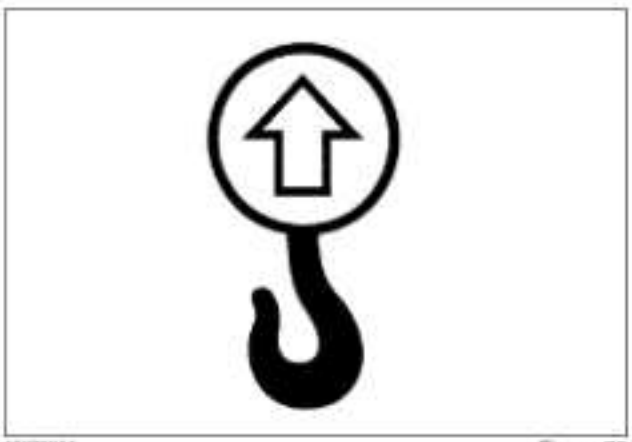
Remove the attachment before lifting the machine.

Remove counterweights, if equipped.



BT97F064 Figure 74

Use a four leg sling with a 39 degree sling angle. Each leg of the sling must have a minimum length of 1.8 m (6 feet).



139723AA1 Figure 75

LIFT POINT DECAL PROVIDED WITH LIFT KIT HARDWARE

To prevent sharp angles and damage to the skid steer cab and lift arm, the correct length of equipment must be used and the proper lift hook point above the cab must be maintained.

WARNING: *Always use properly rated lifting devices to prevent personal injury or damage to the skid steer.*

Figure 76

The following precautions must be followed when craning (lifting or lowering) a machine.

- Never allow personnel on the machine while craning.
- Remove attachments before craning.
- Remove counterweights, if equipped.
- Use only properly rated lifting devices.
- The weight of the lifting equipment must be added to the machine weight for proper lift capacity requirement.
- Always inspect the lifting equipment to confirm safe condition. Do not use if worn or damaged.
- Do not attach lifting devices to the loader lift arm or attachments on the skid steer.
- Make sure the loader lift arm is in the completely lowered position.
- Make sure the engine is shut off before craning.
- Keep bystanders a safe distance away from the machine while craning.

MOVING A DISABLED MACHINE

WARNING: *Death or serious injury may result when you attempt to tow a disabled machine incorrectly.*

Figure 77

IMPORTANT: ***Towing the Skid Steer is not recommended.*** *If your machine is disabled, you must make a judgment if the machine can be moved without more damage. If possible, repair the machine at the job site. This machine may be severely damaged if towing or moving is attempted incorrectly. Contact your Dealer if the machine is disabled.*

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INITIAL 50 HOUR ENGINE OIL AND FILTER CHANGE

Change the engine oil and filter after the first 50 hours on a new machine or engine rebuild.

420 - 430 total system w/filter . . . . . 8.5 L (9.0 qts.)

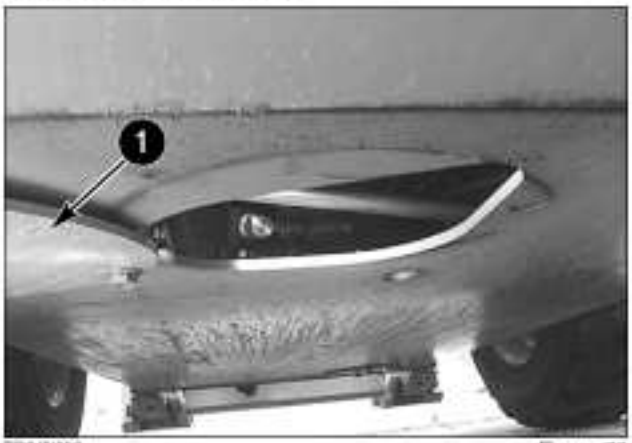
440 - 440CT total system w/filter . . 12.0 L (12.7 qts.)

Specification . . . . . Case Akcela No. 1, SAE 0W-40 full synthetic engine oil

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

Change the engine oil more frequently when the engine operating conditions are severe (frequent stopping and starting and high or low engine temperatures).

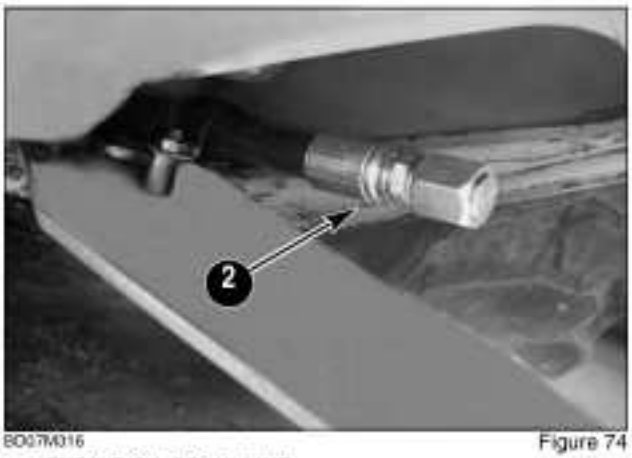
1. Remove any attachments from the skid steer.
2. Place the machine on firm, level, ground, in park.
3. Raise the loader arms and place the support strut or lock pin into position for maintenance.
4. Tilt the cab.
5. Remove the dipstick.



BD04N030 Figure 73

1. ENGINE OIL DRAIN PLUG ACCESS COVER

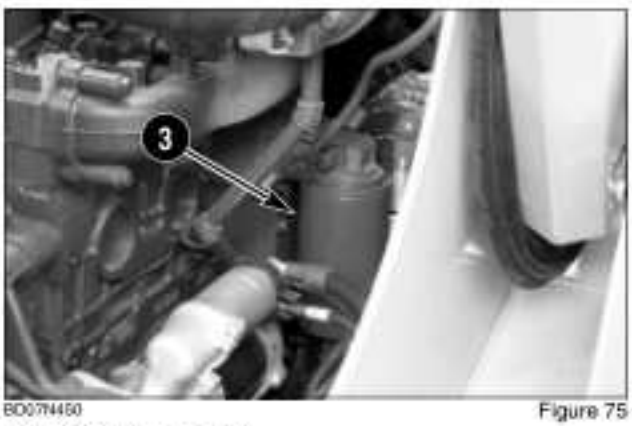
6. Use a 19 mm wrench or socket and remove the engine oil drain access cover.



BD07M016 Figure 74

2. ENGINE OIL DRAIN LINE

7. Clean the area around the engine oil drain line and the oil filter head and surrounding area.
8. Remove the remote engine oil drain plug and drain the oil into a suitable container.
9. Inspect the drain hose for wear or abrasion.



BD07N450 Figure 75

3. ENGINE OIL FILTER

10. Turn the old engine oil filter counterclockwise to remove. Dispose of the filter properly.
11. Apply a thin layer of clean grease or oil to the gasket of the new filter.
12. Put new oil into the engine oil filter.
13. Turn the new oil filter clockwise onto the filter head until the gasket makes contact with the base. Continue to tighten the filter with your hand until tight.

IMPORTANT: *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.*

continued on the following page

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