CX210B
Tier 3
Crawler Excavator

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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SAFETY AND DECALS

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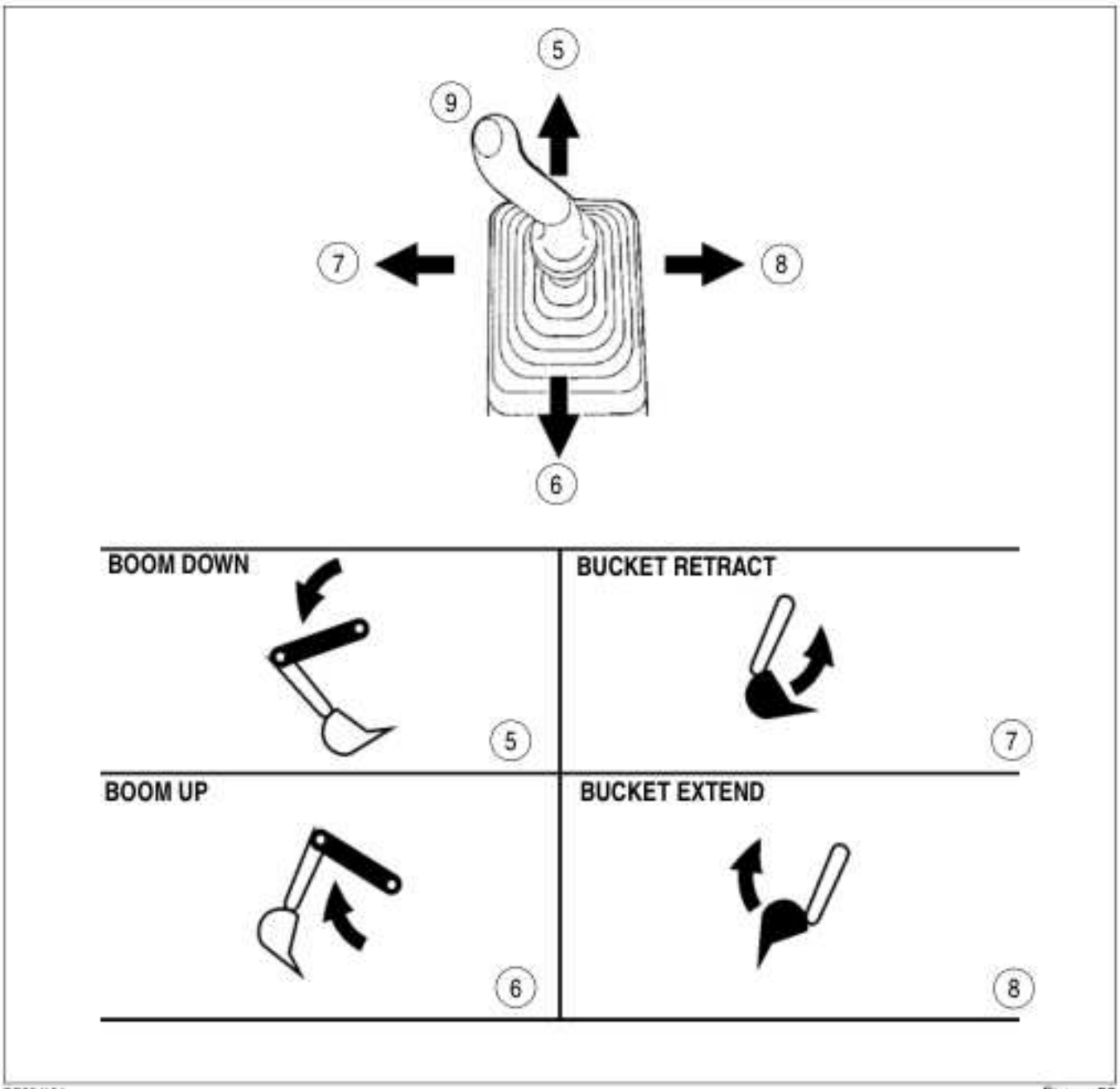
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OPTIONAL CONTROL PATTERN
BOOM AND BUCKET RIGHT-HAND CONTROL LEVER



BC03J124

Figure 52

5.Boom Down

6.Boom Up

7.Bucket close (retracts)

8.Bucket open (extends)

9. NEUTRAL (HOLD) When the control levers are returned to NEUTRAL (HOLD), all movement stops. When released, both control levers return to NEUTRAL (HOLD) automatically.

IMPORTANT: *When the upper structure swing control is released it may continue to rotate due to the force of inertia. Make allowance for the extra movement by releasing the control slightly earlier.*

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10 HOUR MAINTENANCE

HYDRAULIC FLUID RESERVOIR LEVEL

Service Specifications

Reservoir capacity . . . . . 39 Gal. (147 Liters)

Total system capacity . . . . . .52.8 Gal. (240 Liters)

Check the hydraulic fluid reservoir level before you start the engine each day or before the start of each 10 hour shift. Always check levels with the engine stopped and with the machine on firm, level ground.

IMPORTANT: *After replacing the hydraulic fluid, it is necessary to bleed all air from the hydraulic components. See "Bleeding Air from the Hydraulic Components".*

⚠ WARNING ⚠

Before performing any service on the hydraulic system, you must allow it to cool. Hydraulic fluid temperature should not exceed 40 °C (104 °F). Failure to comply could result in death or serious injury.

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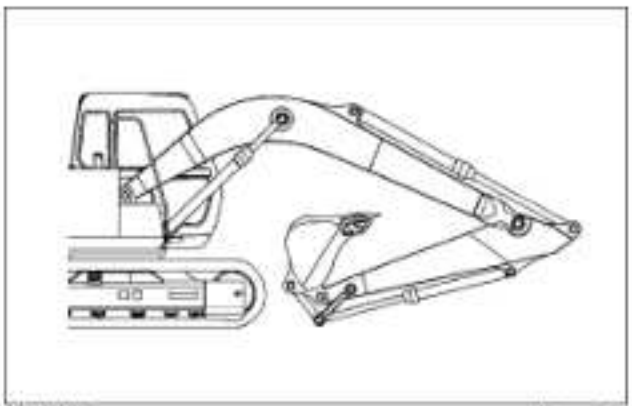
⚠ WARNING ⚠

Pressurized hydraulic fluid can penetrate the skin and cause severe injuries.

Hydraulic fluid is under extreme pressure. Rest the bucket or attachment on the ground. Shut the engine off, turn the key on, and move the hydraulic control lever through all movements several times to relieve residual pressure in the system.. Failure to comply could result in death or serious injury.

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Check Hydraulic Fluid Level In The Reservoir



CS98N547 Figure 17

1. Keep all non-authorized personnel clear of the area. Start and position the machine on firm, level ground, and place the attachment in the position shown. Stop the engine, and remove the starter switch key.



CT05K088 Figure 18

2. The oil should be in the middle of the indicator. Add more oil if necessary.

⚠ WARNING ⚠

Hydraulic fluid or diesel fuel leaking under pressure can penetrate the skin and cause infection or other injury. To prevent personal injury: Relieve all pressure before disconnecting fluid lines or performing work on the hydraulic system. Before applying pressure, make sure all connections are tight and all components are in good condition. Never use your hand to check for suspected leaks under pressure. Use a piece of cardboard or wood for this purpose. If injured by leaking fluid, see your doctor immediately. Failure to comply could result in death or serious injury.

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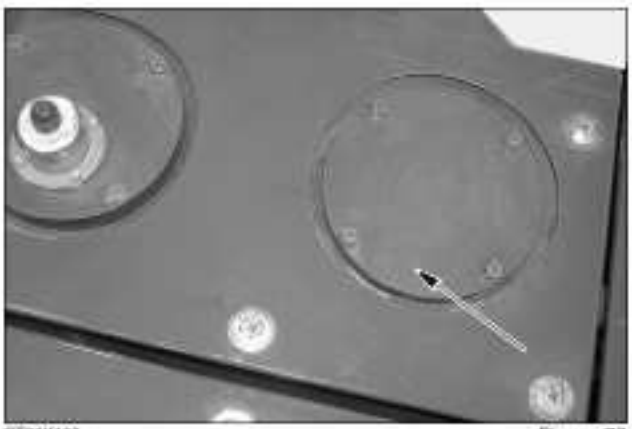
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2000 HOUR MAINTENANCE

RETURN FILTER REPLACEMENT

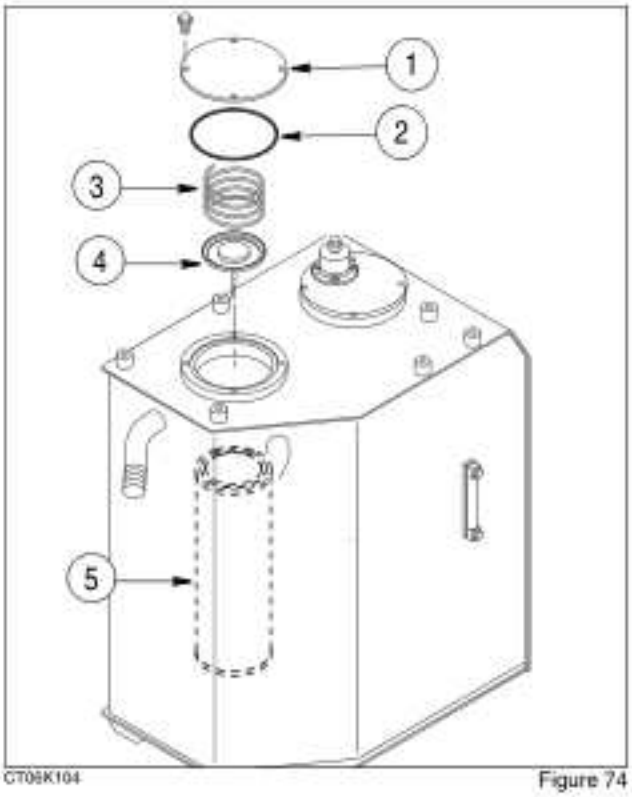
Replace the return filter when the hour meter registers every 2000 hours or sooner if conditions so require.

1. Keep all non-authorized personnel clear of the area. Release all pressure in the hydraulic reservoir. See "Releasing Pressure in the Hydraulic System." Clean the top of the hydraulic reservoir and clean the return filter cover.



CT06K103 Figure 73

2. Remove the upper plate (1) on the hydraulic reservoir.
3. Clean the top of the hydraulic reservoir and clean the return filter cover.



CT06K104 Figure 74

4. Remove the cover (1) and O-ring (2).
5. Take out the spring (3), valve (4) and return filter (5).
6. Install a new filter. Clean the spring (3) and valve (4) and assemble them.
7. Check O-ring (2), and replace it if worn or damaged.
8. Install the cover (1).
9. Check the level of the hydraulic fluid and add more fluid, if necessary. See "Filling the Reservoir".

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