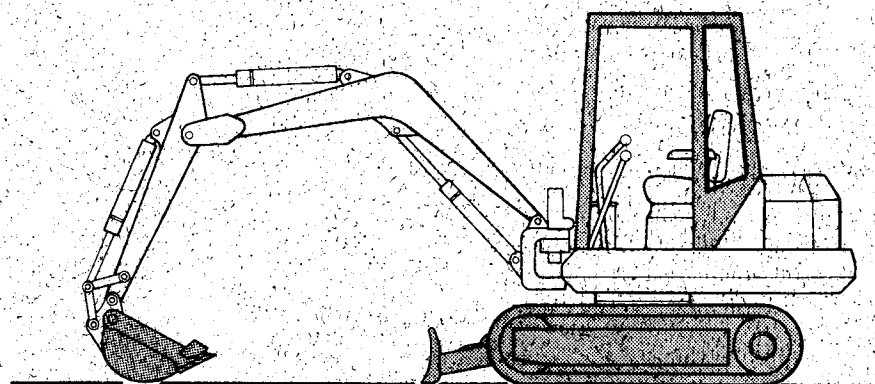




**S/N 11999 & Below**

# **OPERATOR'S MANUAL**



## **HYDRAULIC EXCAVATOR**

**MELROE** COMPANY



A BUSINESS UNIT OF CLARK EQUIPMENT COMPANY

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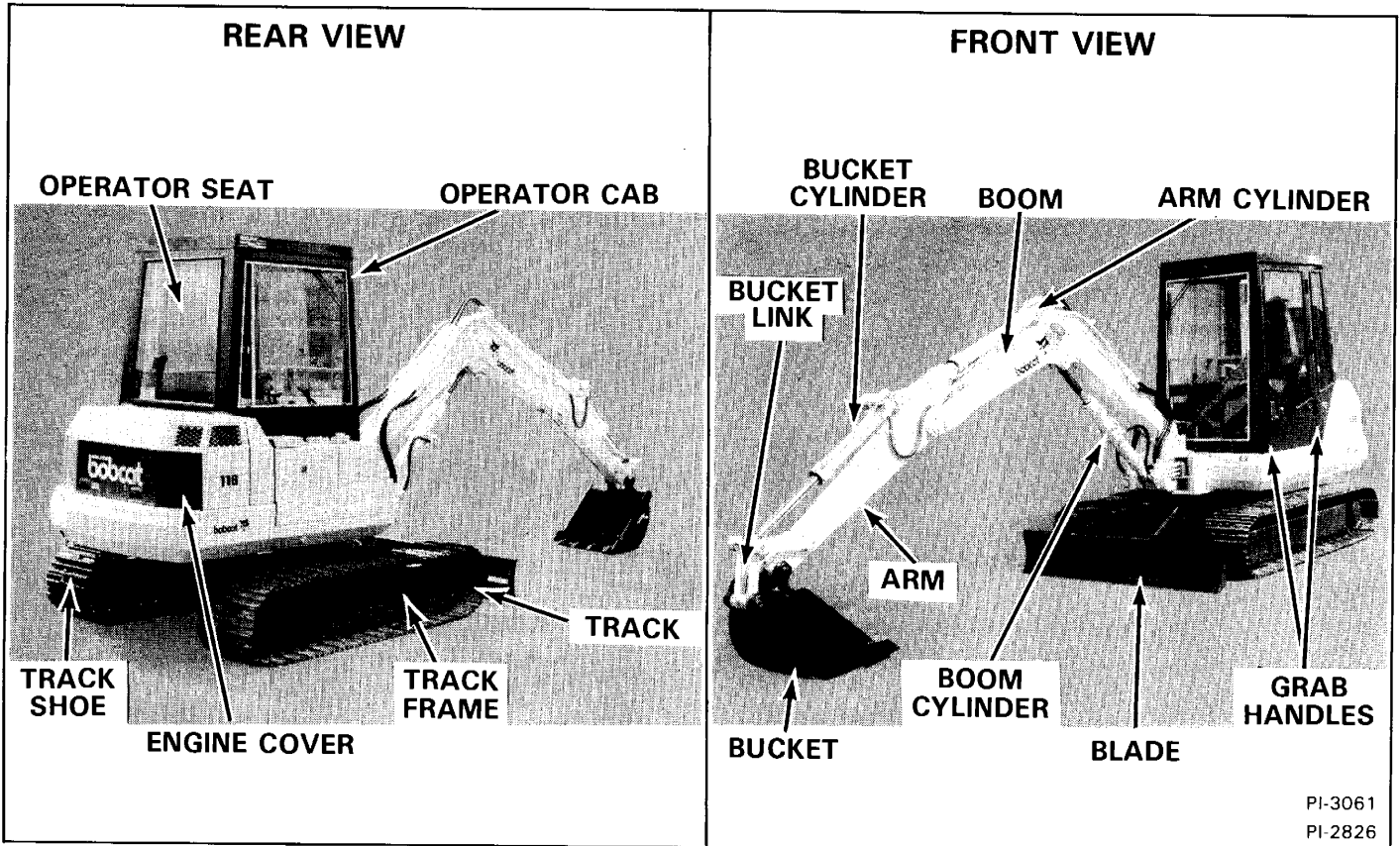
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## V. HYDRAULIC EXCAVATOR IDENTIFICATION



PI-3061  
PI-2826

## CONTROL LEVERS

### Control Lock Operation

The control lock (Item 1) locks the control levers when in the lowered position **A** **B**.

Raise the control locks to operate the control levers **A** **B**.

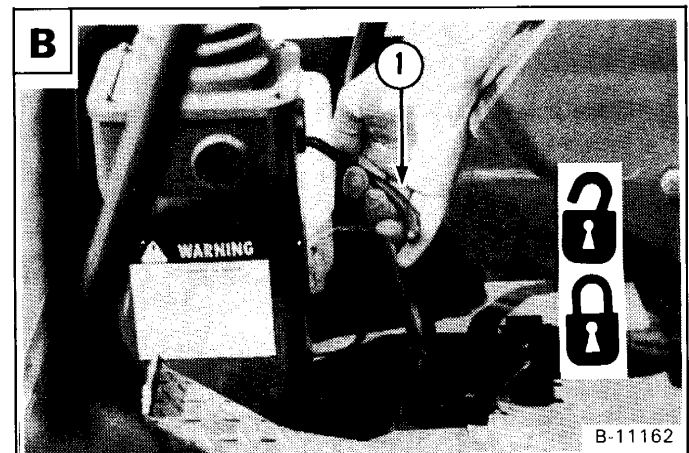
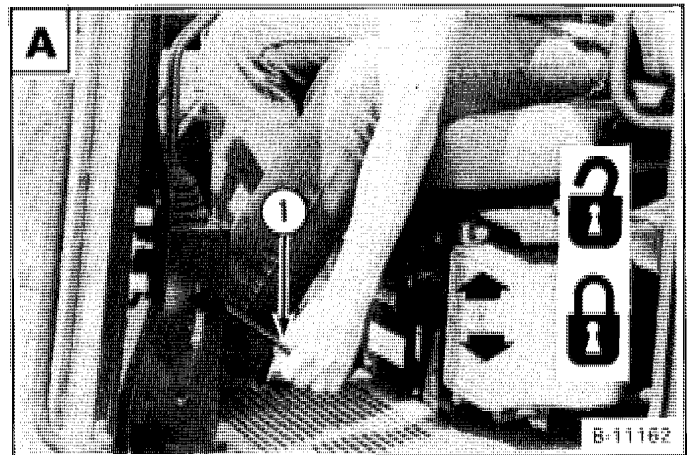


## WARNING

### AVOID INJURY OR DEATH

Before leaving the machine:

- Lower the bucket and blade to the ground.
- Lock the control levers.
- Stop the engine and remove the key.



### BEFORE STARTING THE ENGINE

Check the following items before each days operation:

- Engine Fuel
- Engine Oil
- Hydraulic Fluid Level
- Air Cleaner
- Engine Cooling System
- Operator Cab & Seat Belt
- Cylinder Pivot Pins
- Any Loose or Broken Parts
- Any Leaks at Cooling or Hydraulic System
- Safety Signs (Decals)



## WARNING

Instructions are necessary before operating or servicing machine. Read Operator's Manual, and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Failure to follow instructions can cause injury or death.

W-2003-1285



## WARNING

When an engine is running in an enclosed area, fresh air must be added to avoid concentration of exhaust fumes. If the engine is stationary, vent the exhaust outside. Exhaust fumes contain odorless, invisible gases which can kill without warning.

W-2050-1285



## WARNING

- Engines can have hot parts and hot exhaust gas. Keep flammable material away.
- Do not use machine in atmosphere containing explosive gas.

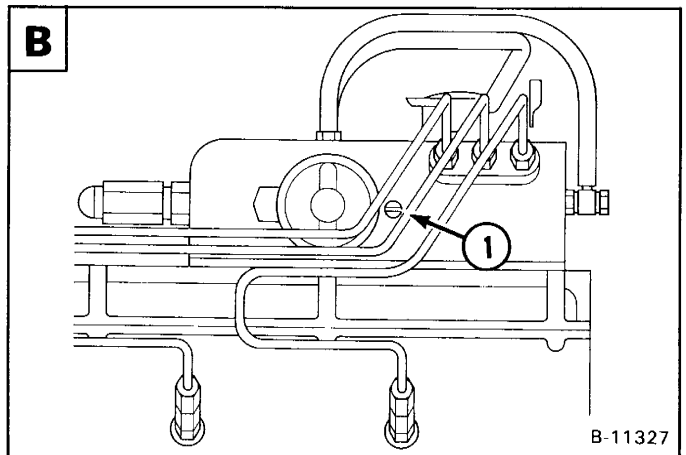
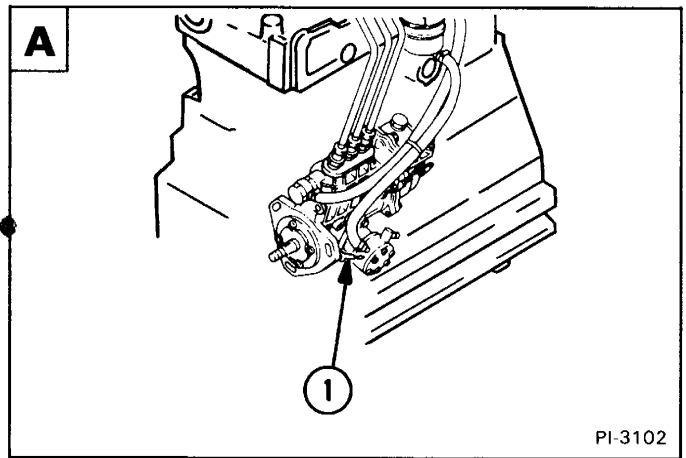
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**FUEL SYSTEM (Cont'd)**

2. Operate the fuel lift pump lever (Item 1) **A**.
  
3. As soon as fuel flows from the bleed hole with no air bubbles showing, tighten the bleed screws (Item 1) **B**.



**! WARNING**

Always clean up spilled fuel or oil. Keep heat, flames, sparks or lighted tobacco away from fuel and oil. Failure to use care around combustibles can cause explosion or fire which can result in injury or death.

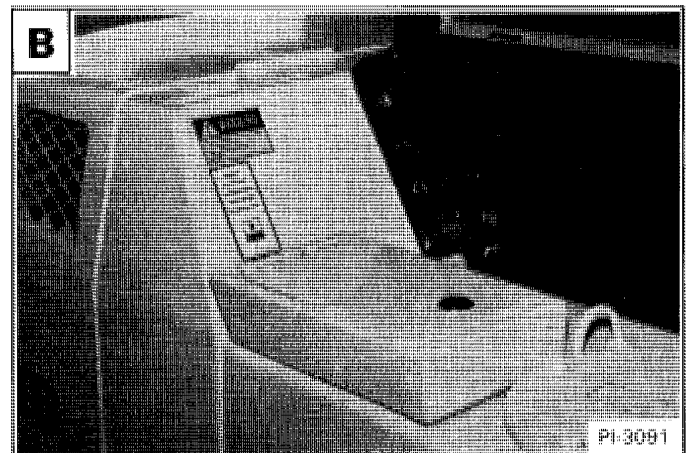
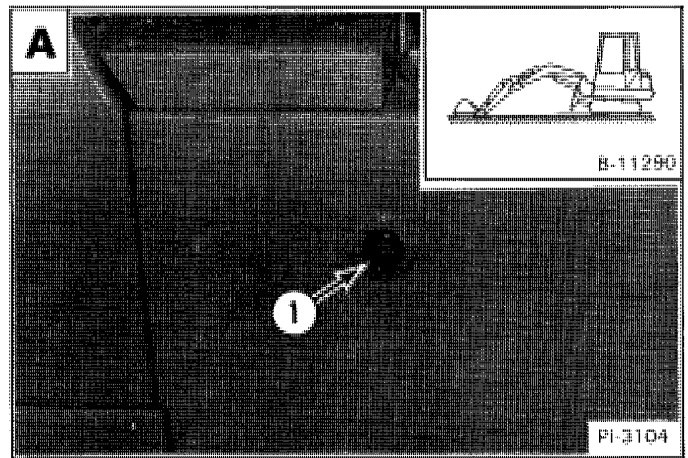
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## HYDRAULIC SYSTEM

### Checking and Adding Fluid

To check and add fluid to the hydraulic reservoir, use the following procedure:

1. Put the machine on a flat surface.
2. Retract the arm and bucket cylinders, put the bucket on the ground, the blade must be in the raised position (Inset **A**). Stop the engine.
3. Check the fluid at the hydraulic reservoir, the fluid level must be in the sight gauge (Item 1) **A**.
4. If the fluid is not correct, un-lock the cover using the starting switch key **B**.



### FUEL, COOLANT AND LUBRICANTS

Use this chart for correct selection of Fuel, Coolant and Lubricants.

RESERVOIR	KIND OF FLUID	AMBIENT TEMPERATURE					CAPACITY	
		14 -10	32 0	50 10	68 20	86°F 30°C	Specified	Refill
Engine oil pan (See Page 56)	Engine oil	SAE 30					5.6 qts. (5,3 L)	4.2 qts. (4,0 L)
Swing machinery case		SAE 10W					2.0 qts. (1,9 L)	1.8 qts. (1,7 L)
Final drive case (each)		SAE 30					0.5 qts. (0,5 L)	0.5 qts. (0,5 L)
Hydraulic tank *		SAE 10W					15.9 gals (60 L)	11.5 gals. (45 L)
		SAE 10W-30						
		SAE 15W-40						
Fuel tank	Diesel fuel	No. 1					13.2 gals (50 L)	—
		No. 2						
Cooling system	Water	Add anti-freeze*					7.1 qts. (6,7 L)	6.3 qts. (6,0 L)

\* Bobcat Fluid (P/N 6563328) can also be used in the Hydraulic System only.

★ Use 50% water and 50% anti-freeze mixture.

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