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EQUIPPED WITH  
BOBCAT INTERLOCK  
CONTROL SYSTEM (BICS™)



# Service Manual

(450-S/N 561711001 & Above)  
(453-S/N 561811001 & Above)



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**MELROE  
INGERSOLL-RAND**

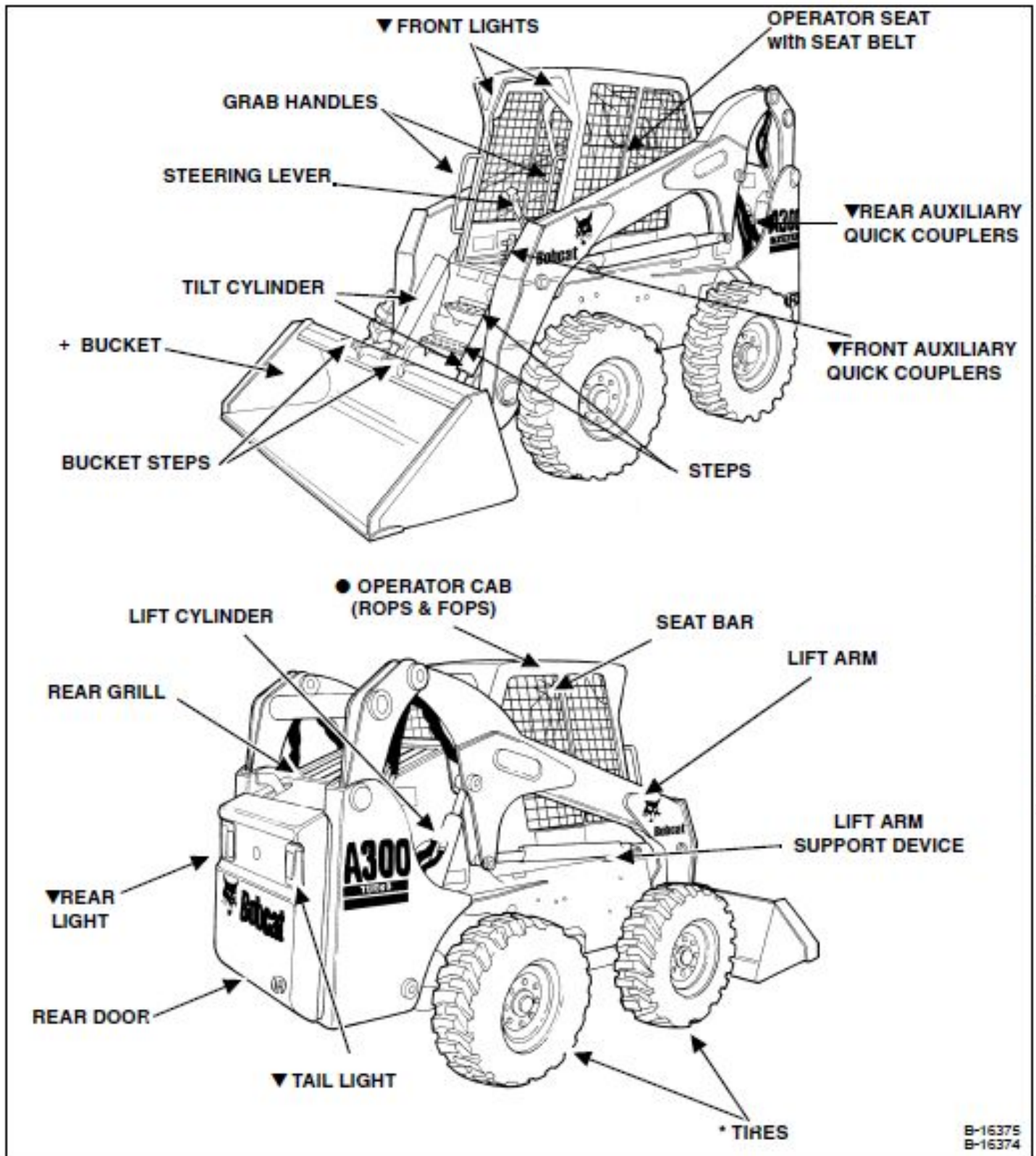
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## BOBCAT LOADER IDENTIFICATION



▼ OPTIONAL OR FIELD ACCESSORY (Not Standard Equipment)

\* TIRES - Flotation tires ▼ are shown. The Bobcat loader is factory equipped with standard tires.

+ BUCKET - Several different buckets and other attachments are available for the Bobcat loader.

● ROPS, FOPS - Roll Over Protective Structure, per SAE J1040 and ISO 3471, and Falling Object Protective Structure per SAEJ1043 and ISO 3449, Level I. Level II is available. The Bobcat loader is base-equipped with a standard operator cab as shown. Extra insulated cab is available as an option (Reduced noise level).

## TOWING THE LOADER

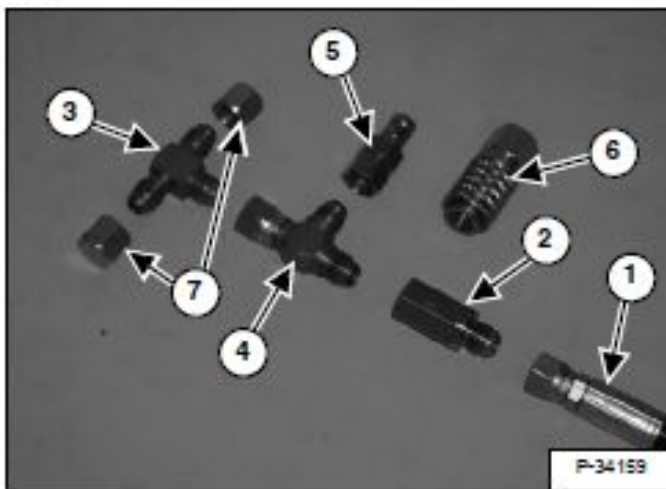
### Procedure



Never work on a machine with the lift arms up unless the lift arms are secured by an approved lift arm support device. Failure to use an approved lift arm support device can allow the lift arms or attachment to fall and cause injury or death.

W-2059-0598

Figure 10-50-1



Raise the operator cab. (See Raising The Operator Cab on Page 10-30-1.)

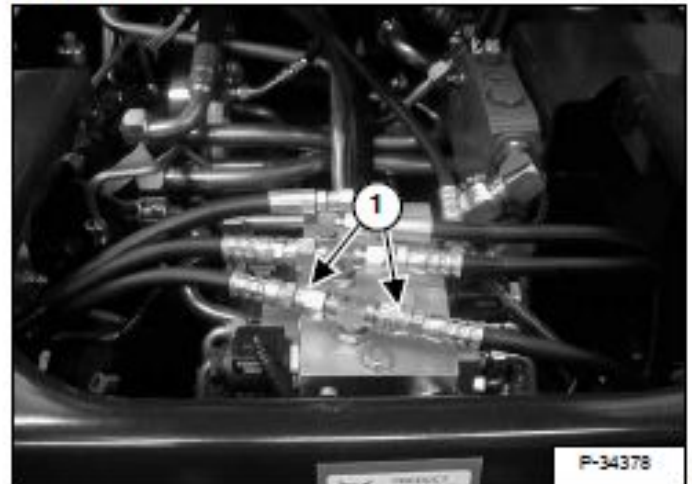
The parts from the list below are required to complete the towing tool needed in this procedure [Figure 10-50-1]:

- 1 - 2 ft. Common Drain Hose (Item 1)
- 1 - 8678026 - Check Relief Valve (500 PSI) (Item 2)
- 10K-5 - Tee Fitting (Item 3)
- 13K-5 - Swivel fitting (Item 4)
- 1 - 8681753 - Coupler, Male (Item 5)
- 1 - MEL1218 - Coupler, Female (Item 6)
- 2 - 36K-5 - Caps (Item 7)

Connect the drain hose (Item 1) [Figure 10-50-1] to the check valve (Item 2) [Figure 10-50-1].

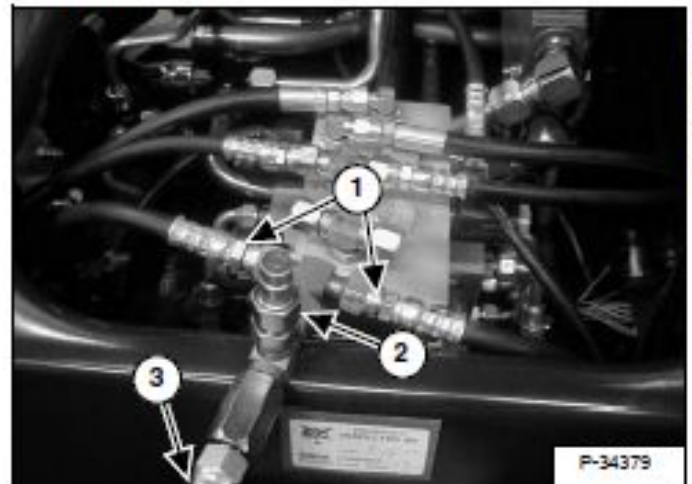
Connect the tee fitting (Item 3) [Figure 10-50-1], check valve (Item 2) [Figure 10-50-1], and the coupler (Item 5) [Figure 10-50-1] to the swivel fitting (Item 4) [Figure 10-50-1].

Figure 10-50-2



Disconnect the two hoses (Item 1) [Figure 10-50-2] from the parking brake solenoid valve that goes to the right and left brake housing on the hydrostatic motors.

Figure 10-50-3



Connect the two hoses (Item 1) [Figure 10-50-3] to the tee fitting of the towing tool.

Connect the Port-a-Power (with an attached gauge pressure, 600 PSI (4137 kPa) or larger) to the quick coupler (Item 2) [Figure 10-50-3] on the towing tool.

Route the drain hose (Item 3) [Figure 10-50-3] into a bucket.

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