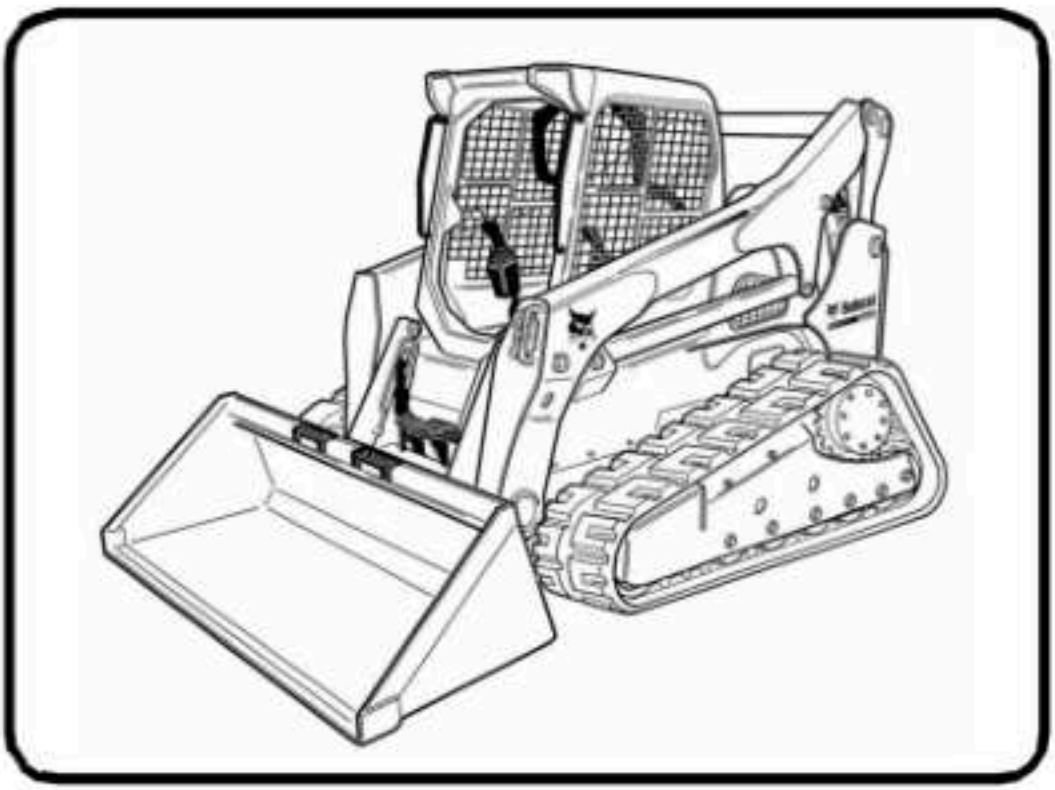
Bobcat®

Operation & Maintenance Manual
T770 Compact Track Loader

S/N A3P811001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6989475 (12-10)

Printed in U.S.A.

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REFERENCE INFORMATION

Write the correct information for YOUR Bobcat loader in the spaces below. Always use these numbers when referring to your Bobcat loader.

Loader Serial Number _____

Engine Serial Number _____

NOTES:

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128
UNITED STATES OF AMERICA

Doosan Benelux SA
Drève Richelle 167
B-1410 Waterloo
BELGIUM

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FOREWORD

This Operation & Maintenance Manual was written to give the owner / operator instructions on the safe operation and maintenance of the Bobcat loader. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR BOBCAT LOADER. If you have any questions, see your Bobcat dealer. This manual may illustrate options and accessories not installed on your loader.

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- Engine Serial Number 8

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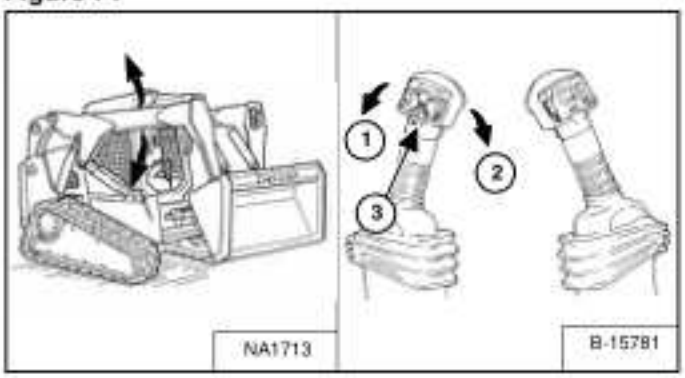
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- Forestry Door And Window Kit Inspection And Maintenance 13

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Advanced Control System (ACS) In HAND Control Mode

Figure 71



Lift Arm Operation - (Left Hand Lever)

Move the lever outward (Item 1) **[Figure 71]** to raise the lift arms.

Move the lever inward (Item 2) **[Figure 71]** to lower the lift arms.

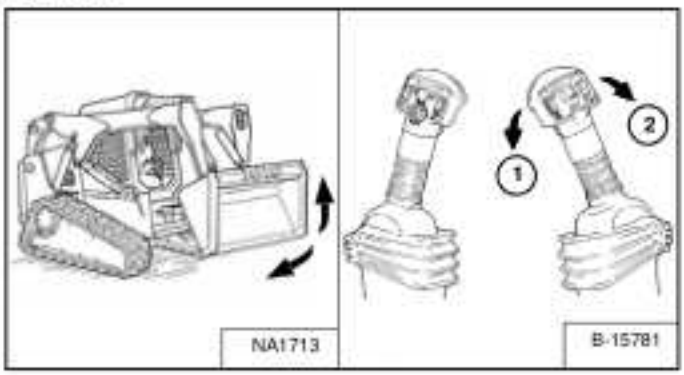
Lift Arm Float Position - (Left Hand Lever)

Press and hold the Float button (Item 3) while the lever is in neutral. Move the lever to lift arm down position (Item 2) **[Figure 71]**, then release the button.

Press Float button (Item 3) **[Figure 71]** again or move the lever to lift arm up position to disengage.

Use the float position of the lift arms to level loose material while driving backward.

Figure 72



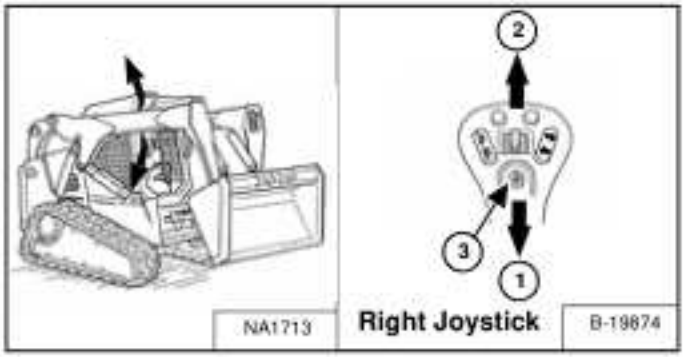
Tilt Operation - (Right Hand Lever)

Move the lever inward (Item 1) **[Figure 72]** to tilt the bucket backward.

Move the lever outward (Item 2) **[Figure 72]** to tilt the bucket forward.

Selectable Joystick Controls (SJC) In 'ISO' Control Pattern

Figure 73



Lift Arm Operation - (Right Hand Joystick)

Move the joystick backward (Item 1) **[Figure 73]** to raise the lift arms.

Move the joystick forward (Item 2) **[Figure 73]** to lower the lift arms.

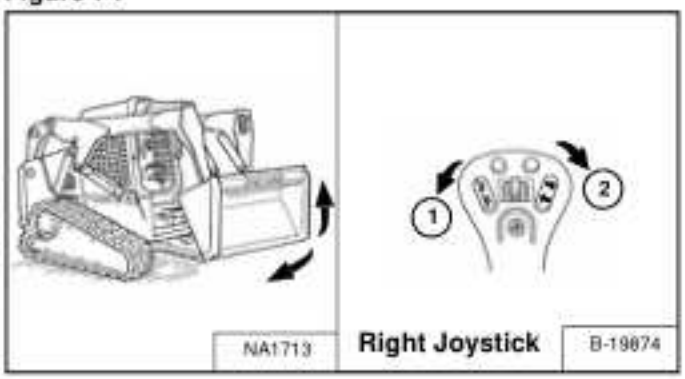
Lift Arm Float Position - (Right Hand Joystick)

Press and hold the Float button (Item 3) while the joystick is in neutral. Move the joystick to lift arm down position (Item 2) **[Figure 73]**, then release the button.

Press Float button (Item 3) again or move the joystick to lift arm up position (Item 1) **[Figure 73]** to disengage.

Use the float position of the lift arms to level loose material while driving backward.

Figure 74



Tilt Operation - (Right Hand Joystick)

Move the joystick inward (Item 1) **[Figure 74]** to tilt the bucket backward.

Move the joystick outward (Item 2) **[Figure 74]** to tilt the bucket forward.

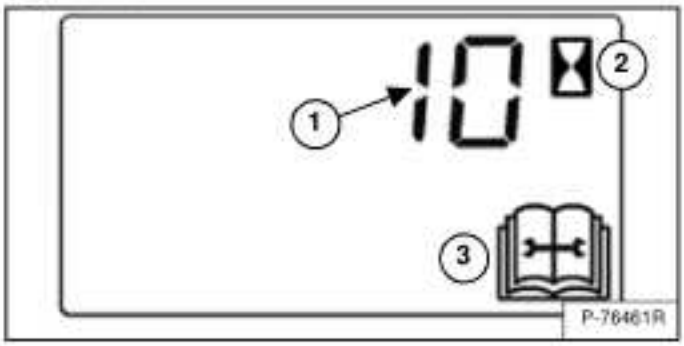
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MAINTENANCE CLOCK

Description

The Maintenance Clock alerts the operator when the next service interval is due. *EXAMPLE:* The Maintenance Clock can be set to a 500 hour interval as a reminder for the next 500 hour planned maintenance.

Figure 319



During machine operation, a two beep alarm will sound when there are less than 10 hours until the next planned maintenance.

The remaining hours before maintenance is required will appear in the data display (Item 1) for 5 seconds while the service icon (Item 3) and hourmeter icon (Item 2) **[Figure 319]** flash.

NOTE: The display will show negative numbers after counting down to zero.

The display will then revert back to the previous display and will appear for 5 seconds every time the machine is started until the maintenance clock is reset.

Figure 320



The Deluxe Instrumentation Panel, if equipped, will display a message (Item 1) **[Figure 320]** alerting the operator to service the machine.

This message will remain for 10 seconds and will appear for 10 seconds every time the machine is started until the maintenance clock is reset.

Figure 321



The Deluxe Instrumentation Panel, if equipped, will display a bar (Item 1) **[Figure 321]** showing time remaining until next service. This bar will turn red when service is past due. NEXT MAINTENANCE DUE will change to MAINTENANCE PAST DUE and display the number of hours past due.

Keys **[4]** and **[9]** can be used to adjust the service interval when the owner is logged in **[Figure 321]**.

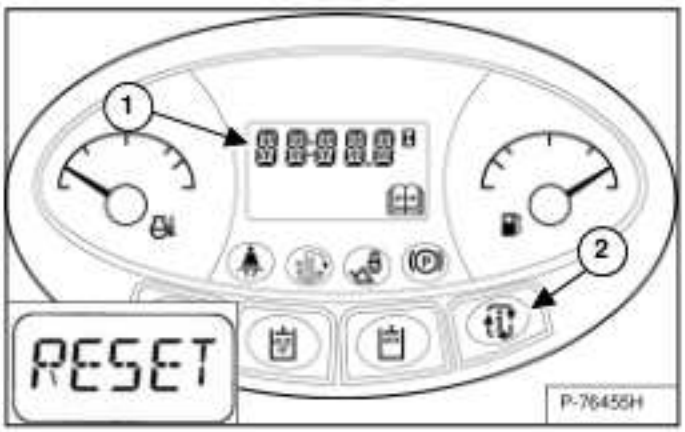
NOTE: Loaders equipped with a Standard Key Panel or Keyless Start Panel will not display the BobCARE PM℠ message or NEXT MAINTENANCE TYPE on the right panel.

Setup

See your Bobcat dealer about installation of this feature.

Reset

Figure 322



Press the information button (Item 2) until the display screen (Item 1) **[Figure 322]** shows the maintenance clock.

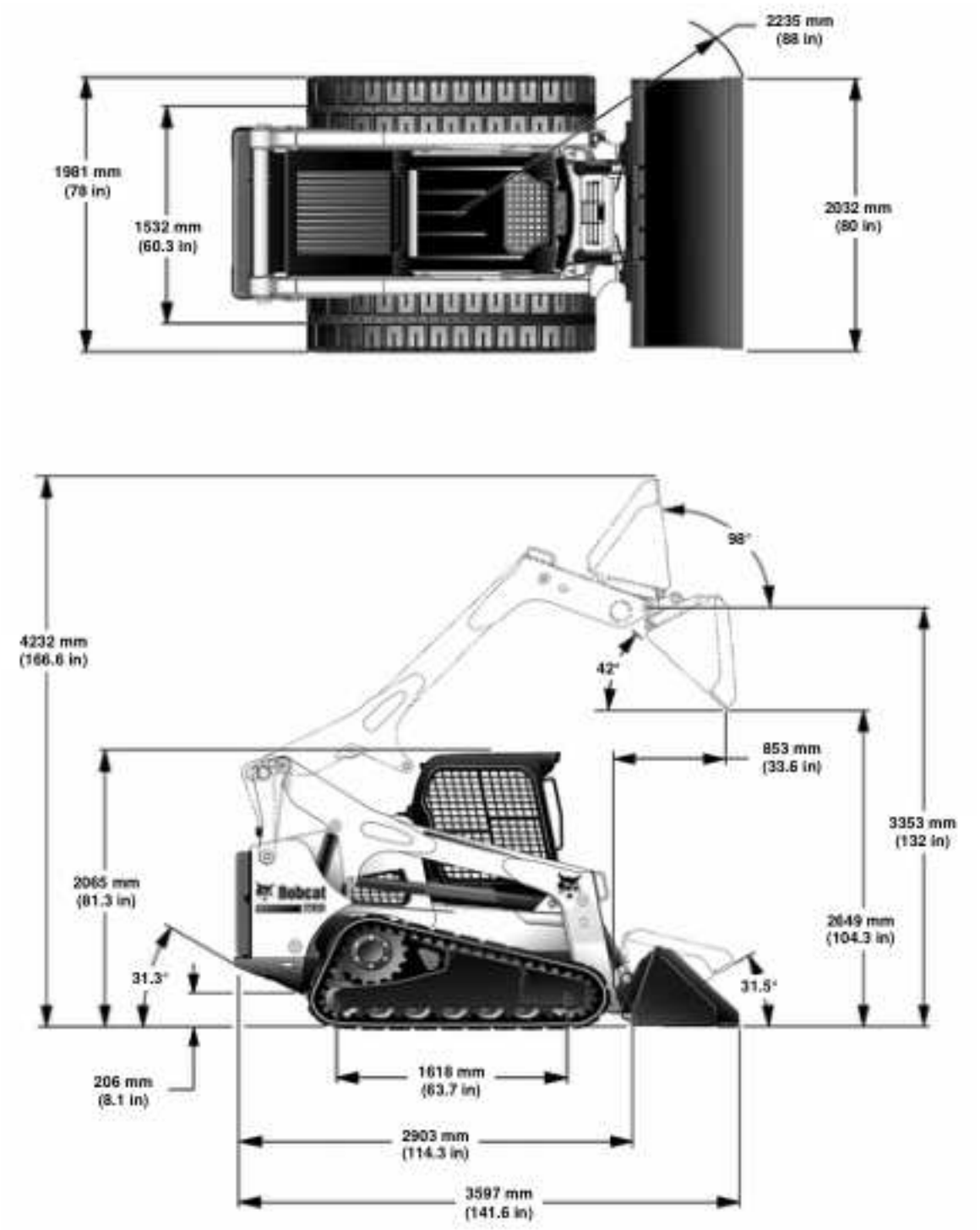
Press and hold the information button (Item 2) for 7 seconds until **[RESET]** (Inset) appears in the display screen (Item 1) **[Figure 322]**.

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(T770) LOADER SPECIFICATIONS

Machine Dimensions

- Dimensions are given for loader equipped with standard track and 80 in. Heavy Duty Construction and Industrial bucket and may vary with other bucket types. All dimensions are shown in millimeters. Respective imperial dimensions are given in inches enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



Changes of structure or weight distribution of the loader can cause changes in control and steering response and can cause failure of the loader parts.

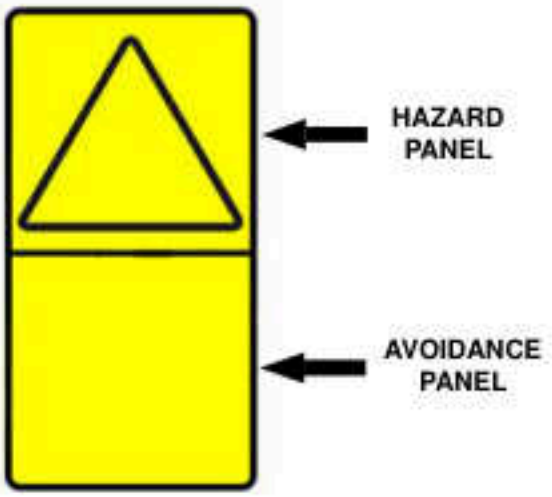
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MACHINE SIGNS (DECALS) (CONT'D)

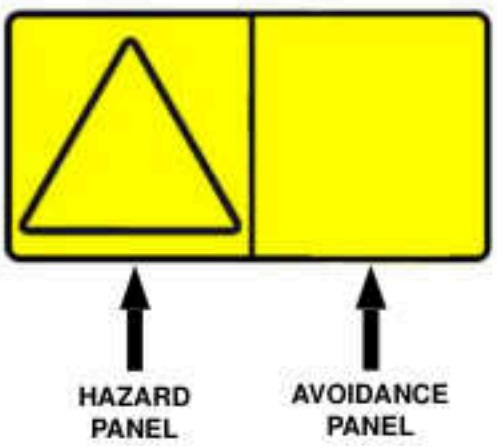
No-Text Safety Signs

Safety signs are used to alert the equipment operator or maintenance person to hazards that may be encountered in the use and maintenance of the equipment. The location and description of the safety signs are detailed in this section. Please become familiarized with all safety signs installed on the machine / attachment.

Vertical Configuration



Horizontal Configuration



The format consists of the hazard panel(s) and the avoidance panel(s):

Hazard panels depict a potential hazard enclosed in a safety alert triangle.

Avoidance panels depict actions required to avoid the hazards.

A safety sign may contain more than one hazard panel and more than one avoidance panel.

NOTE: See the numbered MACHINE SIGNS (DECALS) on Page 22 and MACHINE SIGNS (DECALS) (CONT'D) on Page 23 for the machine location of each correspondingly numbered no-text decal.

1. High Range Speeds (7184346)

This safety sign is located in the operator cab on loaders equipped with a seat belt with 3-point restraint.



⚠ WARNING

HITTING OBSTRUCTIONS AT HIGH RANGE SPEEDS CAN CAUSE SERIOUS INJURY OR DEATH

Fasten shoulder belt for additional restraint when operating at high range speeds.

W-2754-0908

2. Hot Pressurized Fluid (7169699)

This safety sign is located on the engine coolant tank cap.



⚠ WARNING

HOT PRESSURIZED FLUID CAN CAUSE SERIOUS BURNS

- **Never open hot.**
- **OPEN SLOWLY.**

W-2755-0908

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