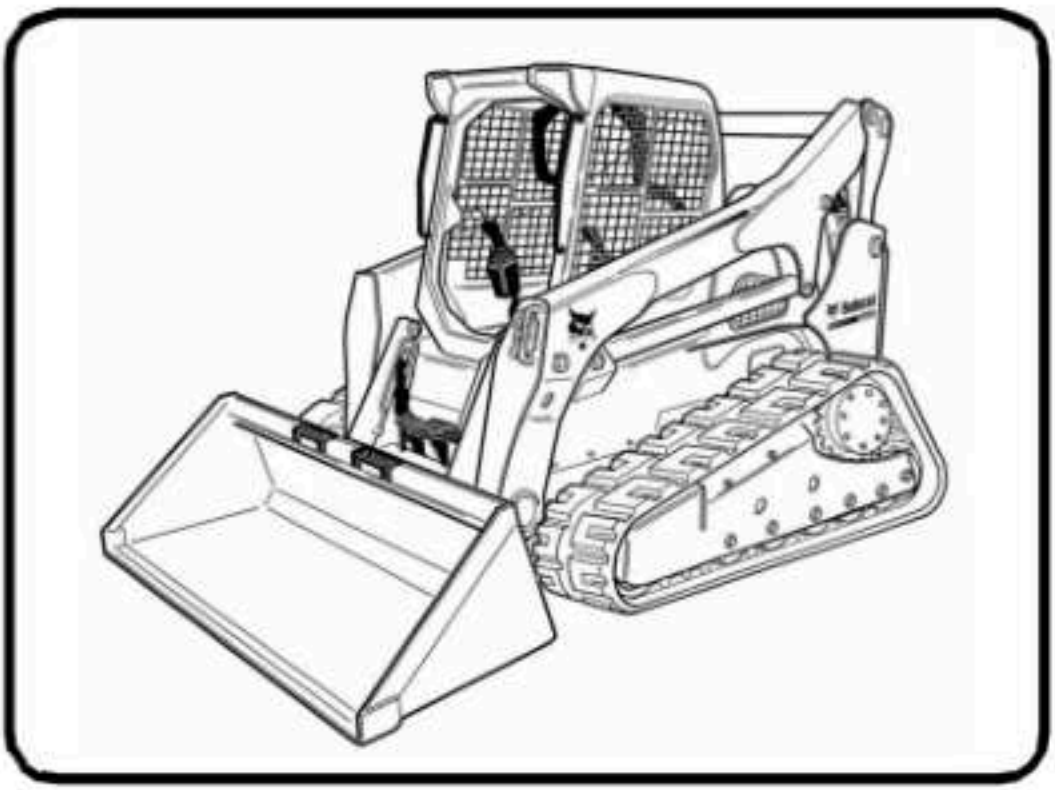
Bobcat®

Operation & Maintenance Manual
T770 Compact Track Loader

S/N A3P811001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6989475 (12-10) Revised (3-11) (1)

Printed in U.S.A.

© Bobcat Company 2011

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD 5

SAFETY & TRAINING RESOURCES 15

OPERATING INSTRUCTIONS 27

PREVENTIVE MAINTENANCE 115

SYSTEM SETUP & ANALYSIS 175

MACHINE SIGN TRANSLATIONS 189

SPECIFICATIONS 205

WARRANTY 213

ALPHABETICAL INDEX 217

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

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

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.

BOBCAT COMPANY IS IS0 9001 CERTIFIED 7

REGULAR MAINTENANCE ITEMS 7

SERIAL NUMBER LOCATIONS 8
- Loader Serial Number 8
- Engine Serial Number 8

DELIVERY REPORT 8

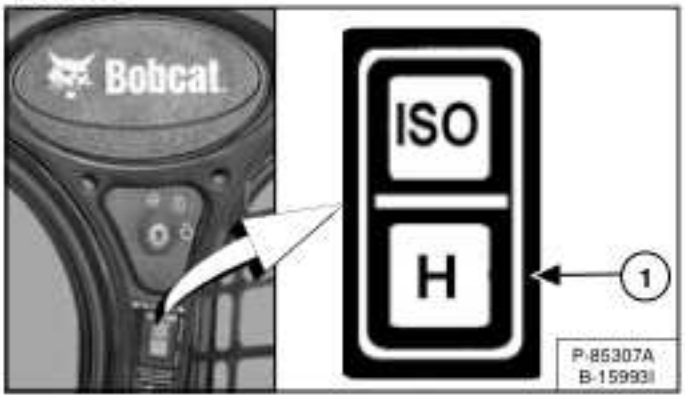
LOADER IDENTIFICATION 9

FEATURES, ACCESSORIES AND ATTACHMENTS 10
- Standard Items 10
- Options And Accessories 10
- Buckets Available 11
- Attachments 11
- High-Flow Attachments 11
- Special Applications Kit 12
- Special Applications Kit Inspection And Maintenance 12
- Forestry Door And Window Kit 13
- Forestry Door And Window Kit Inspection And Maintenance 13

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

Operation (SJC) In 'H' Control Pattern

Figure 54



Select the 'H' control pattern by pressing the bottom of the switch (Item 1) **[Figure 54]**.

⚠ WARNING

AVOID INJURY OR DEATH

When operating the machine:

- **Keep the seat belt fastened snugly.**
- **The seat bar must be lowered.**
- **Keep your feet on the foot rests and hands on control levers.**

W-2399-0501

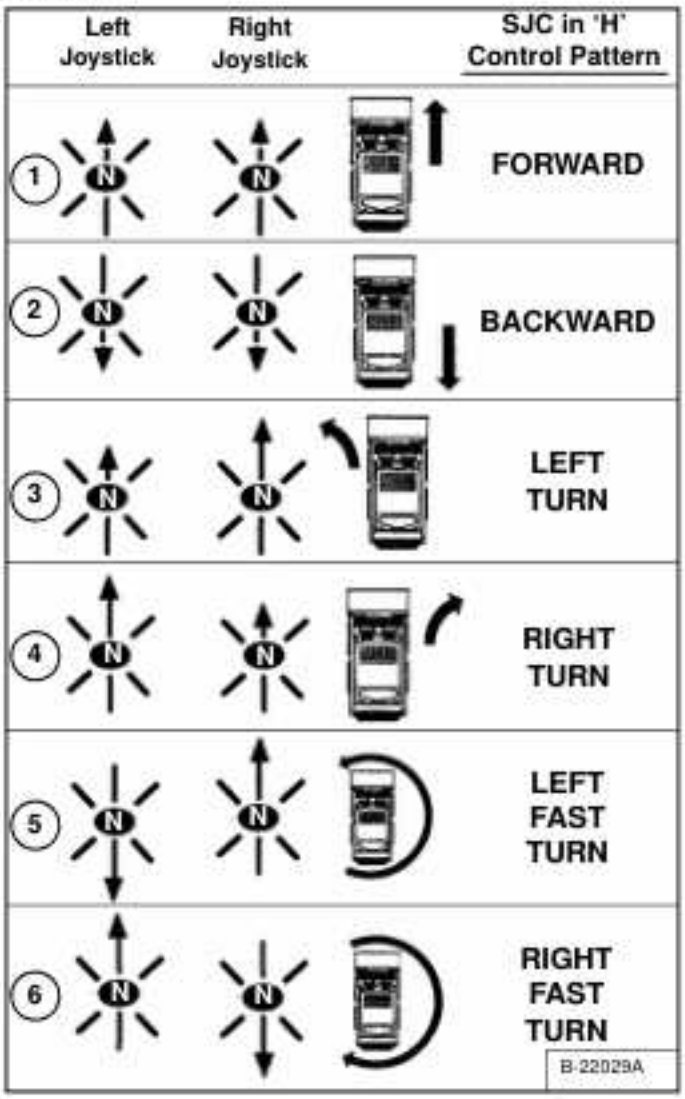
Figure 55



Both joysticks control drive and steering and are located on the left and right side in front of the seat (Item 1) **[Figure 55]**.

Move the joysticks smoothly. Avoid sudden starting and stopping.

Figure 56



Joystick Functions (Drive And Steering) **[Figure 56]**

1. **Forward Travel** - Move both joysticks forward.
2. **Backward Travel** - Move both joysticks backward.
3. **Forward Left Turn** - Move the right joystick farther forward than the left joystick.
4. **Forward Right Turn** - Move the left joystick farther forward than the right joystick.
5. **Left Fast Turn** - Move the left joystick backward and the right joystick forward.
6. **Right Fast Turn** - Move the left joystick forward and the right joystick backward.

STOPPING THE LOADER

Using The Control Levers Or Joysticks

When the steering levers or joysticks are moved to the neutral position, the hydrostatic transmission will act as a *service brake* to stop the loader.

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

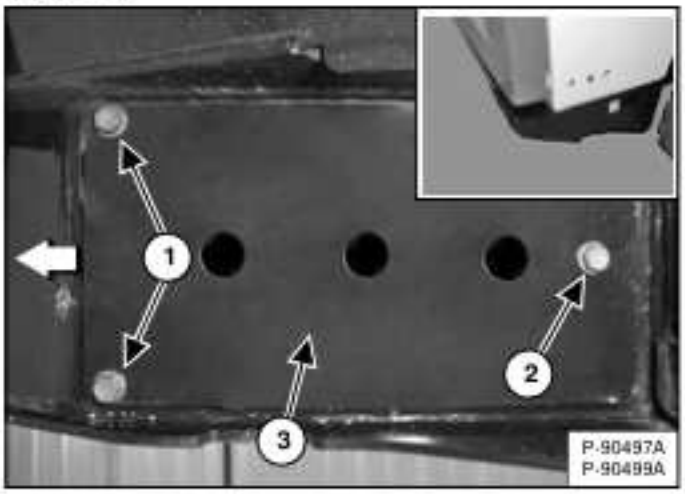
ENGINE LUBRICATION SYSTEM (CONT'D)

Removing And Replacing Oil And Filter

For the service interval for replacing the engine oil and filter (See SERVICE SCHEDULE on Page 121.)

Run the engine until it is at operating temperature. Stop the engine.

Figure 222

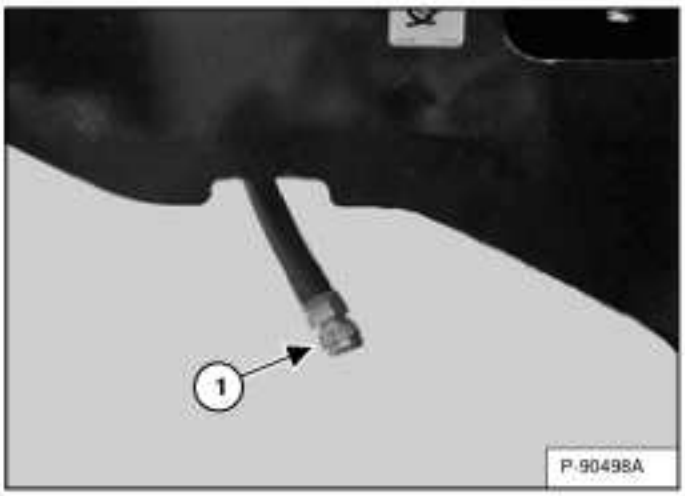


The oil drain hose is located behind a cover under the right rear corner of the loader (Inset) **[Figure 222]**.

Remove two cover mounting bolts (Item 1) **[Figure 222]**.

Loosen one cover mounting bolt (Item 2) and slide the cover (Item 3) **[Figure 222]** to the rear of the loader.

Figure 223

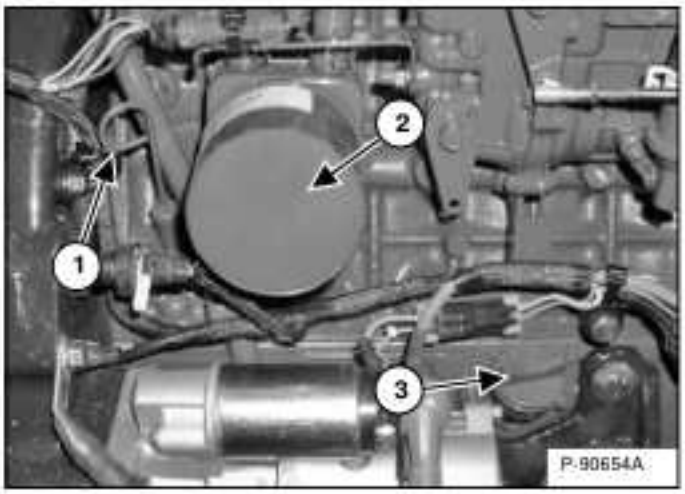


Remove the oil drain cap (Item 1) **[Figure 223]** from the oil drain hose and drain the oil into a container. Recycle or dispose of used oil in an environmentally safe manner.

Install and tighten the oil drain cap **[Figure 223]**.

Install the cover and the cover mounting bolts **[Figure 222]**. Tighten all bolts.

Figure 224



Open the rear door, remove the oil filter (Item 2) **[Figure 224]** and clean the filter housing surface.

Use genuine Bobcat filter only.

Put clean oil on the new filter gasket, install the filter and hand tighten.

Remove the oil fill cap (Item 3) **[Figure 224]**.

Put oil in the engine and replace the fill cap. For the correct quantity (See Capacities on Page 211.) Do not overfill.

Start the engine and let it run for several minutes. Stop the engine and check for leaks at the filter.

Remove the dipstick (Item 1) **[Figure 224]** and check the oil level.

Add oil as needed if it is not at the top mark on the dipstick. Install the dipstick and close the rear door.

⚠ WARNING

AVOID INJURY OR DEATH

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.

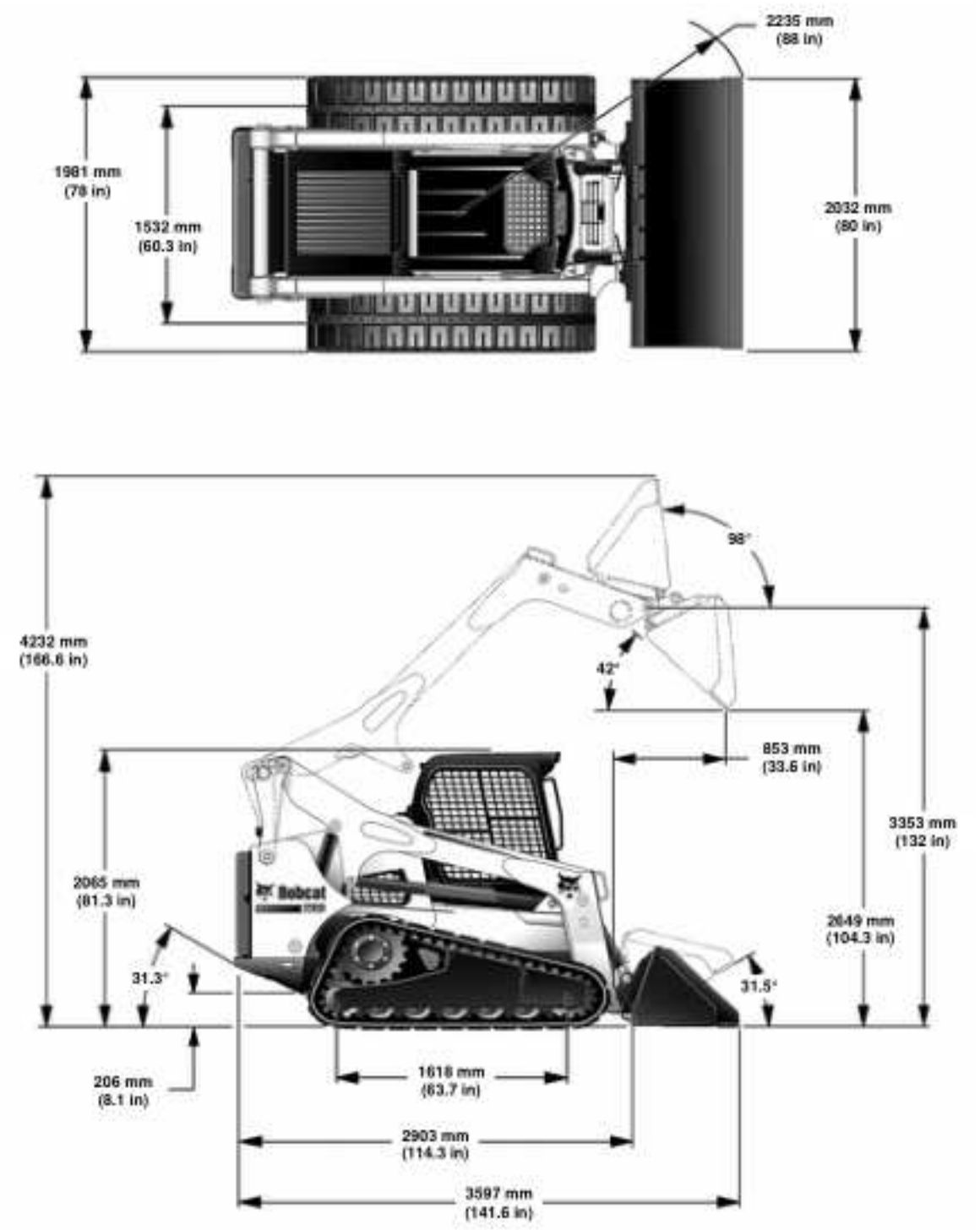
W-2103-0508

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

(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.

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >

No-Text Safety Signs (Cont'd)

3. High Pressure Gas (7169291)

This safety sign is located on the gas spring component(s) supporting the cab and also on the front door option.



⚠ WARNING

HIGH PRESSURE GAS CAN RELEASE ROD AND CAUSE SERIOUS INJURY OR DEATH

- **Do not open cylinder.**
- **See Service Manual for more information.**

W-2756-0908

4. Lift Arm Crushing (7170355)

This safety sign is located on certain hoses or tubelines inside the loader frame underneath the operator cab.



⚠ DANGER

AVOID DEATH

- **Disconnecting hydraulic lines can cause the lift arms or attachment to drop.**
- **Always use an approved lift arm support when lift arms are in a raised position.**

D-1008-0409

5. Flying Debrís or Objects (7168039)

This safety sign is located on track loader undercarriages near the grease cylinder tensioning fittings.



⚠ WARNING

HIGH PRESSURE GREASE CAN CAUSE SERIOUS INJURY

- **Do not loosen grease fitting.**
- **Do not loosen bleed fitting more than 1 - 1/2 turns.**

W-2781-0109

MidWestTech | Bobcat T770 Compact Track Loader Operation & Maintenance Manual | Pu... Order the manual at mid-west-tech.com >