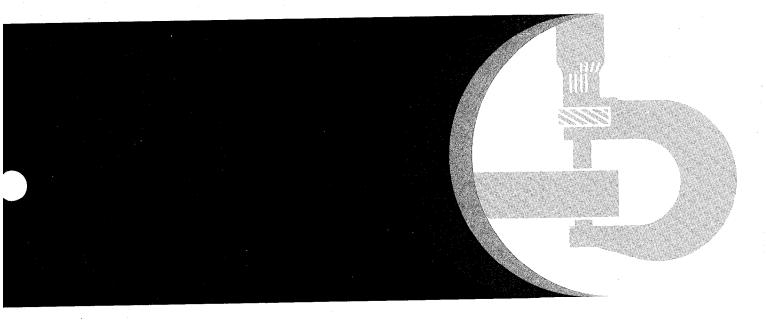
John Deere 710B Backhoe Loader





TECHNICAL MANUAL

TM-1286 (Dec-86)

710B BACKHOE LOADER TECHNICAL MANUAL TM-1286 (DEC-86)

SECTION AND GROUP CONTENTS

SECTION I-GENERAL INFORMATION

Group I-Introduction and Safety Information

Group II—General Specifications

Group III—Torque Values

Group IV—Lubrication

SECTION 01—WHEELS

Group 0110-Powered Wheels and Fastenings

Group 0120—Non-Powered Wheels and Fastenings

SECTION 02—AXLES AND SUSPENSION SYSTEMS

Group 0200—Removal and Installation

Group 0210-Differential or Bevel Drive

Group 0225-Input Drive Shaft and U-Joints

Group 0230-Non-Powered Wheel Axles

Group 0240—Powered Wheel Axle (MFWD)

Group 0250-Axle Shafts, Bearings and

Reduction Gears

Group 0260—Hydraulic System

SECTION 03—TRANSMISSION

Group 0300—Removal and Installation

Group 0315—Controls

Group 0350-Gears, Shafts, Bearings and

Power Shift Clutch

Group 0360-Hydraulic System

SECTION 04—ENGINE

Group 0400-Removal and Installation

Group 0401-Crankshaft and Main Bearings

SECTION 04—ENGINE—Continued

Group 0402—Camshaft and Valve Actuating

Means

Group 0403—Connecting Rods and Pistons

Group 0404—Cylinder Block

Group 0407—Oiling System

Group 0409-Cylinder Head and Valves

Group 0413-Fuel Injection System

Group 0414-Intake Manifold

Group 0416—Turbocharger

Group 0417—Water Pump

Group 0418—Thermostats, Housing and Water Piping

Group 0419-Oil Cooler

Group 0420-Fuel Filter

Group 0421—Fuel Transfer Pump

Group 0422—Starting Motor and Fastenings

Group 0433-Flywheel, Housing and

Fastenings

SECTION 05—ENGINE AUXILIARY SYSTEMS

Group 0505—Cold Weather Starting Aids

Group 0510—Cooling Systems

Group 0515—Speed Controls

Group 0520—Intake System

Group 0560—External Fuel Supply Systems

SECTION 07—DAMPENER DRIVE

Group 0752—Elements

Continued on next page

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SECTION AND GROUP CONTENTS - Continued

SECTION 09 - STEERING SYSTEM

Group 0960 - Hydraulic System

SECTION 10 - SERVICE BRAKES

Group 1011 - Active Elements Group 1060 - Hydraulic System

SECTION 11 - PARKING-EMERGENCY BRAKES

Group 1111 - Active Elements Group 1115 - Controls Linkage

SECTION 16 - ELECTRICAL SYSTEMS

Group 1671 - Batteries, Support and Cables Group 1672 - Alternator, Regulator and Charging System Wiring

Group 1673 - Lighting System

Group 1674 - Wiring Harness and Switches Group 1676 - Instruments and Indicators

SECTION 17 - FRAME, CHASSIS, OR SUPPORTING STRUCTURE

Group 1740 - Frame Installation Group 1749 - Chassis Weights

SECTION 18 - OPERATOR'S STATION

Group 1800 - Removal and Installation Group 1810 - Operator Enclosure Group 1821 - Seat and Seat Belt

Group 1830 - Heating and Air Conditioning

SECTION 19 - SHEET METAL AND STYLING

Group 1910 - Hood or Engine Enclosure Group 1921 - Grille and Grille Housing Group 1927 - Fenders

SECTION 20 - SAFETY, CONVENIENCE AND MISCELLANEOUS

Group 2004 - Horn and Warning Devices

SECTION 21 - MAIN HYDRAULIC SYSTEM

Group 2160 - Hydraulic System

SECTION 31 - LOADER

Group 3102 - Buckets

Group 3115 - Controls Linkage

Group 3140 - Frames

Group 3160 - Hydraulic System

SECTION 33 - BACKHOE

Group 3302 - Buckets, Teeth, Shanks, and Sidecutters

Group 3315 - Controls Linkage

Group 3340 - Frames

Group 3360 - Hydraulic System

SECTION 90 - SYSTEM TESTING

Group 9005 - General Information

Group 9010 - Engine

Group 9015 - Electrical System

Group 9020 - Power Train

Group 9025 - Hydraulic System

SECTION 99 - SPECIAL TOOLS

INDEX

SAFETY AND YOU

This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury .



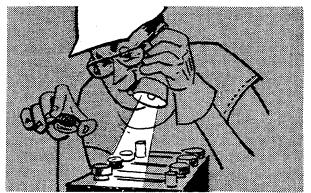
AB6;T81389 053;TMSAFE 071085

PREVENT BATTERY EXPLOSIONS

Battery gas can explode. Keep sparks and flames away from batteries. Use a flashlight to check battery electrolyte level.

Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.

Always remove grounded (-) battery clamp first and replace it last.



AB6;TS181 053;EXPLO 180485

HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks.

Always stop engine before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease, and debris. Always clean up spilled fuel.

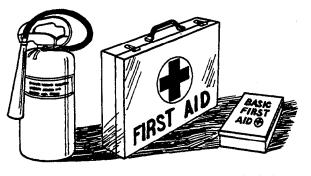


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguishers handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



AB6;TS186 053;FIRE2 080785

HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. To prevent accidental discharge when storing the pressurized can, keep the cap on the container, and store in a cool, protected location.

Do not incinerate or puncture a starting fluid container.



AB6;T6089A U 053;FIRE3 080785

UNDERSTAND CORRECT MACHINE OPERATION AND SERVICE

Only qualified people should operate and service the machine.

Learn the location and purpose of all controls, instruments, indicators, and labels.

Be sure you understand a service procedure before you work on the machine.

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If it is necessary to make checks with the engine running, ALWAYS USE TWO PEOPLE—with the operator at the controls, able to see the person doing the checking.

Be sure transmission shift lever is in neutral. Apply and lock park brake.

KEEP HANDS AWAY FROM MOVING PARTS.



8NA;T6073AO T82;BHSA C 030485

WEAR PROTECTIVE CLOTHING

Wear fairly tight clothing . . . and safety equipment.

44A;T85056 T82;EXSA B 060684

PROTECT AGAINST NOISE

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable uncomfortable loud noises.



AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.



AB6;X9811 053;FLUID 100584

PREVENT MACHINE RUNAWAY

Avoid possible injury or death from machinery runaway.

Do not start engine by shorting across starter terminals. Machine will start in gear if normal circuitry is by passed.

NEVER start engine while standing on ground. Start engine only from operator's seat, with transmission in neutral or park.



INSPECT MACHINE

Inspect your machine carefully each day before you start it. (See Pre-Start Inspection chapter.)

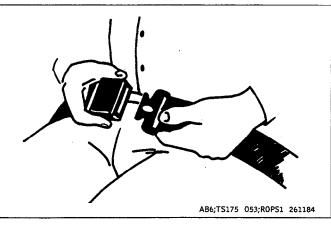
Use handholds and steps when you get on and off the machine. DO NOT use the steering wheel as a handrail.



USE SEAT BELT PROPERLY

Use a seat belt when you operate with a roll-over protective structure (ROPS) to minimize chance of injury from an accident such as an overturn.

Do not use a seat belt if operating without a ROPS.



KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

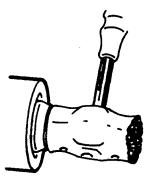
Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



AB6;TS173 053;RIDER 261184

PROTECT AGAINST FLYING DEBRIS

When you drive connecting pins in or out, guard against injury from flying pieces of metal or debris; wear goggles or safety glasses.

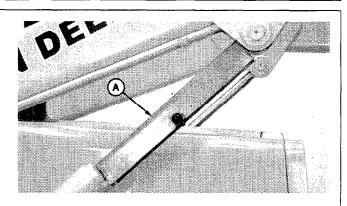


8NA;T6073AP T82;BHSA R 070585 JW

SUPPORT RAISED EQUIPMENT

Put a support (A) under all raised equipment.

Do not work under a raised bucket. Lower the bucket to around or onto blocks.

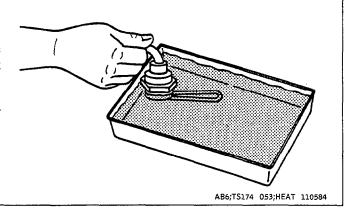


8NA;T86911 T82;BHSA S 250882

TEST COOLANT HEATER IN LIQUID ONLY

Do not plug coolant heater into electrical power unless heating element is immersed in coolant. Sheath could burst and result in personal injury.

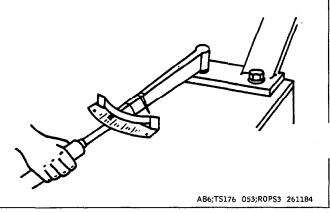
Use a heavy-duty grounded cord to connect coolant heater to electrical power.



KEEP ROPS INSTALLED PROPERLY

Make certain all parts are reinstalled correctly if the roll-over protective structure (ROPS) is loosened or removed for any reason. Tighten mounting bolts to proper torque.

The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered. A damaged ROPS should be replaced, not reused.



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