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MANUAL PREVIEW

International Harvester Operator's Manual for FARMALL

BN

W/Exhaust Lift

All Serial Numbers

or Call 800-443-0625



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Operator's Manual

IH-O-BN

Make: International Harvester	Model: BN	Years Made: 1940 - 1947
Factory: n/a	Chassis: 4x2 2WD	Wheelbase: n/a
Front tire: 6x12	Rear tire: n/a	Weight: n/a
Length: n/a	Width: n/a	Height: n/a
Elec. Grounding: n/a	Elec. Charging Amps: n/a	Elec. Volts: n/a
Hitch Rear Type: n/a	Hitch Rear Lift: n/a	Fuel Capacity: n/a
Hydraulics Type: n/a	Hydraulics Capacity: n/a	Hydraulics Pressure: n/a
Hydraulics Valves: n/a	Hydraulics Total Flow: n/a	Hydraulics Valve Flow: n/a
Steering: manual	Brakes: mechanical external contracting band	New Price: n/a

Serial Number:	Year Made:	Plate Location:
501	1939	Seat support bracket
6744	1940	Seat support bracket
41500	1941	Seat support bracket
80739	1942	Seat support bracket
96390	1944	Seat support bracket
113218	1945	Seat support bracket
146700	1946	Seat support bracket
182964 (Chicago)	1947	Seat support bracket

Paint Codes

Ag Farmall Antique Red (to 1981)

IH.....991012R3 (aerosol)

IH991010R2 (quart)

IHB90882 (gallon)

Silver (for wheel rims)

IHb17567 (aerosol)

IH.....b17565 (quart)

IHb17563 (gallon)

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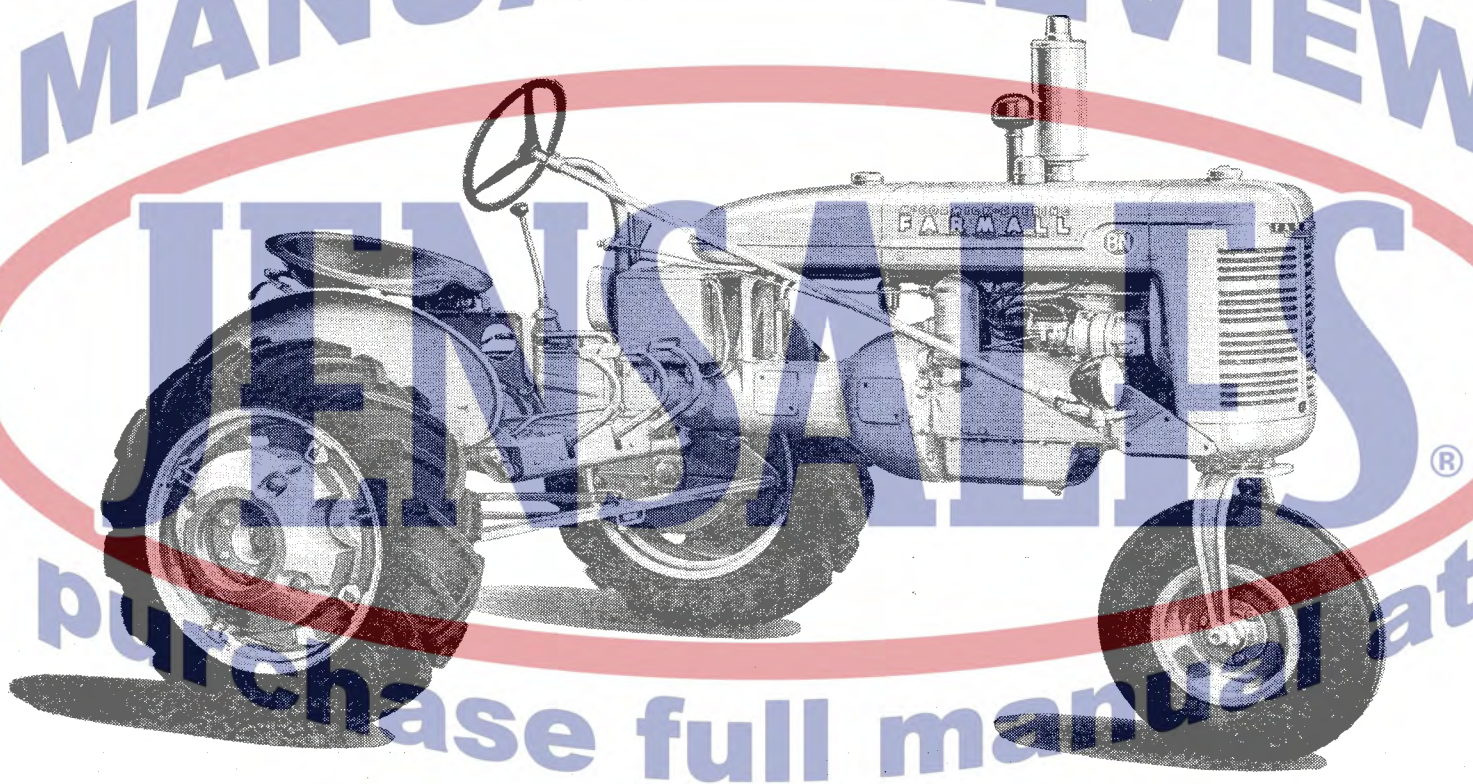
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NOTE: The instructions in this manual cover the operation of tractors on all types of fuel, except where otherwise specified.

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MANUAL PREVIEW



View of the Farmall-BN. The electric lighting, wheel weights, muffler and swinging drawbar shown in this illustration are special features.

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AIR CLEANING SYSTEM—Continued

on the air cleaner. Be sure it is held securely in place by the cup clamp.

General Precautions

As an added precaution against dirt getting into the engine, frequently inspect the flexible rubber hose connections between the carburetor and the air cleaner. If they show any sign

of deterioration, replace them. To eliminate strain on the rubber hose connections, be sure the pipes line up.

All joints between the air cleaner and carburetor, and between the manifold and the cylinders of the engine, should be tight. All gaskets must be in good condition, and the bolts should be drawn up tightly.

COOLING SYSTEM

The water is circulated through the engine block, cylinder head and radiator by the thermo-syphon method. As the engine warms up, the water is heated; it expands and circulates back through the radiator where the water is cooled before again circulating through the engine.

To Clean Out Dirt and Sludge

(1) Drain the cooling system by removing the drain plug (*see Illust. 19*). Allow the system to drain, and replace the plug.

(2) Fill the cooling system with a solution of two pounds of ordinary washing soda mixed with three and one-quarter U.S. gallons of water (cooling system capacity).

(3) With the radiator filler cap off, operate the engine until the water is hot; then drain the system and flush it with clean water.

To Fill the Cooling System

(1) The water capacity is approximately three and one-quarter U.S. gallons.

(2) Replace the drain plug.

(3) Fill radiator to a level slightly below the bottom of the filler neck. Filling the radiator to this level will allow for expansion of the coolant under normal operation conditions.



RADIATOR DRAIN PLUG

A-4451

Illust. 19

Water Cooling System.

STORING AND HOUSING TRACTORS—Continued

(4) After the engine has cooled, remove the spark plugs and pour one tablespoonful of SAE-50 lubricating oil of good grade into each cylinder. Crank the engine two or three times to distribute oil over the cylinder walls. Then replace the spark plugs.

(5) Remove the valve housing cover and flush the valves, rocker arms, and push rods with SAE-50 oil. (If any evidence of rust is found, remove it before lubricating.) Replace the valve housing cover.

(6) Plug the ends of the breather pipe and the exhaust pipe.

(7) Remove the oil filter element. (If any evidence of rust is found on the center stud, clean it thoroughly.) Re-

place the filter element with a new element, and drain out any sludge from the filter base.

(8) Drain the fuel from the fuel tank and carburetor and clean out fuel strainer glass bowl.

(9) If your tractor has a storage battery, remove the battery and place it on a rack in a cool room. Check the battery at least once each month for water level and for specific gravity.

CAUTION: Gum will eventually form in tanks, lines, and carburetor if the tractor is not used. Gum in carburetor jets and passages affects engine starting. This gum can be dissolved with acetone or a fifty-fifty mixture of alcohol and benzol.

STARTING ENGINES THAT HAVE BEEN IN STORAGE

(1) Remove the spark plugs and pour a mixture of one-half gasoline and one-half light lubricating oil into each cylinder (two tablespoonfuls per cylinder is enough).

(2) Remove the valve housing cover and flush the valve and valve operating mechanism with the same mixture.

(3) Crank the engine rapidly until excess oil has been blown out of spark plug holes. This operation will loosen any tight piston rings and wash old gummy oil from valves and pistons.

(4) Flush out the impulse coupling with kerosene, and lubricate as specified.

(5) Drain the oil from the crankcase, and flush out with kerosene or flushing oil. Fill with a specified lubricating oil. (Refer to the Lubrication Chart.)

(6) Be sure the lubricating oil filter has a new element before starting the engine.

(7) Remove the crankcase breather pipe plug and exhaust pipe plug.

(8) Install the spark plugs after cleaning them and setting the gaps.

(9) Fill the water cooling system.

(10) Fill the fuel tanks.

(11) Install a fully charged battery (if used) and be sure that the connections are made properly.

(12) Clean the air cleaner and refill the oil cup.

(13) Start the engine and let it idle slowly; observe if any valves are sticking. If so, pour a small quantity of kerosene on each valve stem until loose.

(14) Assemble the valve housing cover.

CAUTION! Do not accelerate the engine rapidly or operate it at high speed immediately after starting.

SPECIAL ATTACHMENTS

The following pages contain information on various attachments available for use with your tractor. You are urged to read and study this information on the care and operation of these attachments in order to be assured of satisfactory service. Special attachments must not be ordered from this manual. Consult your International Harvester dealer, giving the model of your tractor also the tractor and engine serial numbers.

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* For gasoline tractors.

† For distillate-gasoline tractors.