



Cockshutt

Operator's Manual

**CO-OP
E-3**

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Operator's Manual

CO-O-COOP E3

Make: Cockshutt	Model: 30	Years Made: 1946-1952
HP-PTO: 32.9	HP-Engine:	HP-Drawbar:
HP-Range: 33	Engine-Make: BUDA	Engine-Fuel: GAS
Engine-Cyl(s)-CID: 4/153.1	Transmission-STD:	Optional:
Fwd/Rev Standard: 4/1	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front:	Tires-Std Rear: 11-38	Wheelbase-Inch:
Pto Type:	Pto Speed:	CAT I-3pt Hitch: False
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type:	Hyd-Cap:	Hyd-Flow:
Hyd Std Outlets:	Cooling Capacity:	Fuel Tank Capacity:
Cab-Stdm A/C; Rops:	Weight: 3609	New Price: 2478

LEFT SIDE OF MAIN FRAME		
Year		Beginning Serial Number
1946		1
1947		442
1948		6705
1949		17370
1950		26161
1951		28505
1952		32389
1953		35580
1955		40001

Make: Cockshutt	Model: E3	Years Made: 1946 - 1957
Factory: Brantford, Ontario, Canada	Chassis: 4x2 2WD	Wheelbase: n/a
Front tire: 5.50-16	Rear tire: 11-38	Weight: 3620 to 5528 pounds
Length: 132 inches [335 cm]	Width: n/a	Height: n/a
Elec. Grounding: positive	Elec. Charging Amps: n/a	Elec. Volts: n/a
Hitch Rear Type: n/a	Hitch Rear Lift: n/a	Fuel Capacity: 15 gal [56.8 L]
Hydraulics Type: n/a	Hydraulics Capacity: 1.5 gal [5.7 L]	Hydraulics Pressure: n/a
Hydraulics Valves: n/a	Hydraulics Total Flow: n/a	Hydraulics Valve Flow: n/a
Steering: n/a	Brakes: mechanical contracting band	New Price: \$2,500 (1952)

Engine type: Buda	Cylinders: 4	Displacement: 153.1 ci [2.5 L]
Bore/Stroke: 3.4375x4.125 inches [87 x 105	Compression: 6:1	RPM: 1650
Gross Power: n/a	Torque: n/a	Torque RPM: n/a
Net Power: n/a	PTO: n/a	Drawbar: n/a
Rear PTO: live	Rear RPM: n/a	Clutch: n/a
Cooling: liquid	Coolant: 18 qts [17.0 L]	Air Cleaner Type: n/a
Oil Capacity: n/a	Oil Change: n/a	Fuel: gasoline
Transmission Type: gear	Gears: 4 forward and 1 reverse	

Serial Number:	Year Made:	Plate Location:
101	1946	n/a
442	1947	n/a
6705	1948	n/a
17371	1949	n/a
26151	1950	n/a
28505	1951	n/a
32389	1952	n/a
35580	1953	n/a
35974	1954	n/a
40001	1955	n/a
50001	1956	n/a
60001	1957	n/a

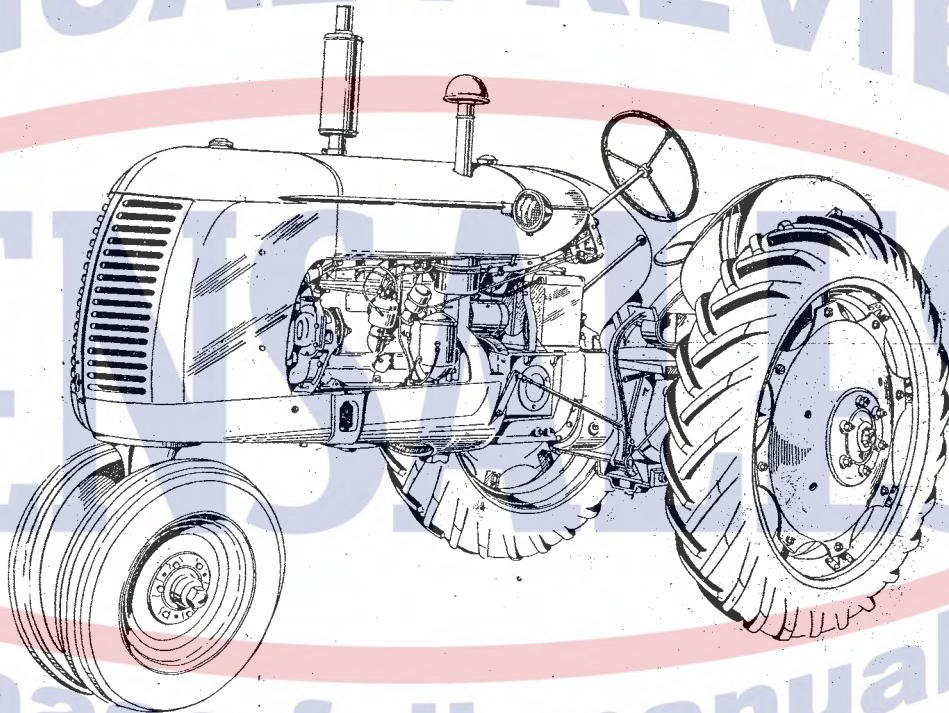
Paint Codes		
Location		MFG Color Name
TRIM & WHEELS		CREAM ENAMEL
BODY		VERMILLION RED

Operating Instructions

for

CO-OP "E3" TRACTOR

GASOLINE, DIESEL and DISTILLATE



NATIONAL FARM MACHINERY CO-OPERATIVE INC.

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INDIANA FARM BUREAU COOPERATIVE
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FARM BUREAU COOPERATIVE ASSOCIATION
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DIFFERENTIAL — Spiral bevel.

FINAL DRIVE — One piece forged steel bull gears splined to alloy steel main axle.

WHEELS AND TREAD

Front Wheels (All Row Crop use 5.50 x 16)	7.50 x 16 or 5.50 x 16
Single Front Wheel	7.50 x 10
Rear Wheels	10.00 x 38 or 11.00 x 38
Tread Front — Standard	55-3/8" and 56-5/8"
Row Crop	7-3/4" and 11"
Wide Adjustable	55-1/4" to 82" in 2" steps for each wheel
Rear Wheels — Adjustable	56", 60", 64", 68", 72", 76", 80", 84"
Non Adjustable	58"
Wheel Base — Standard	81-3/4"
Row Crop	84-3/4"
Single Front Wheel	87-1/4"

CAPACITIES

IMPERIAL

U.S.

Steering gear	2½ pints	3 pints
Engine crankcase	4 quarts	5 quarts
Pulley housing	1¾ gallons	2 gallons
Transmission and differential	4¼ gallons	5 gallons
Cooling system	3 gallons	3½ gallons
Fuel tank	12½ gallons	15 gallons
Oil cup in air cleaner	1⅜ pints	1⅝ pints
Live power take-off	8½ pints	1-2/5 gallons

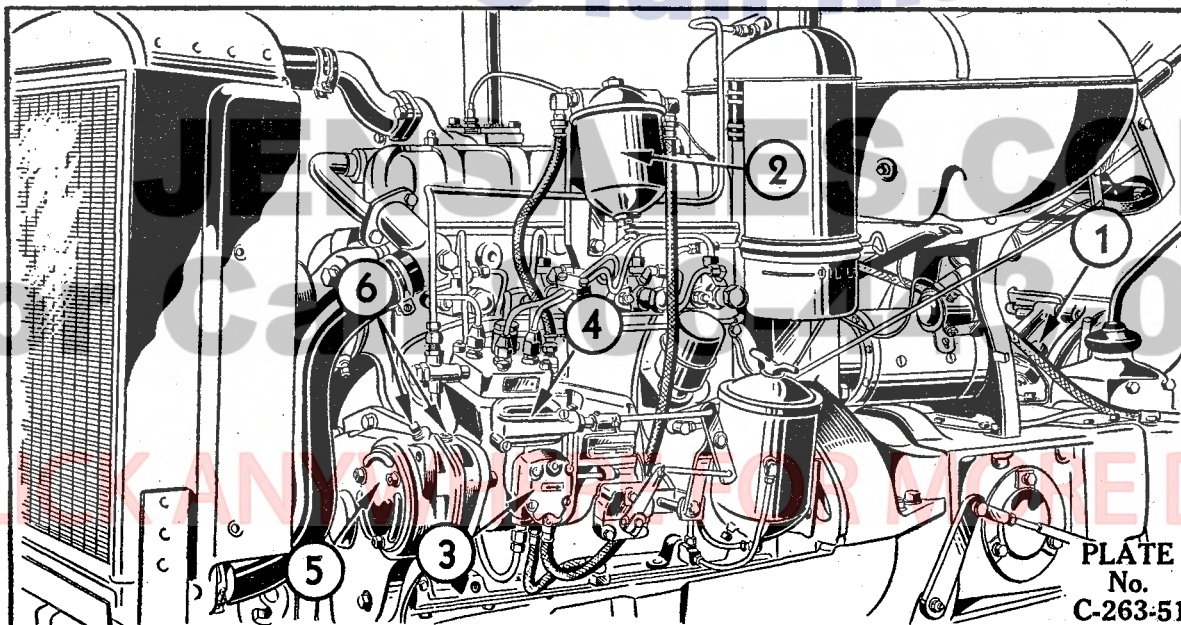
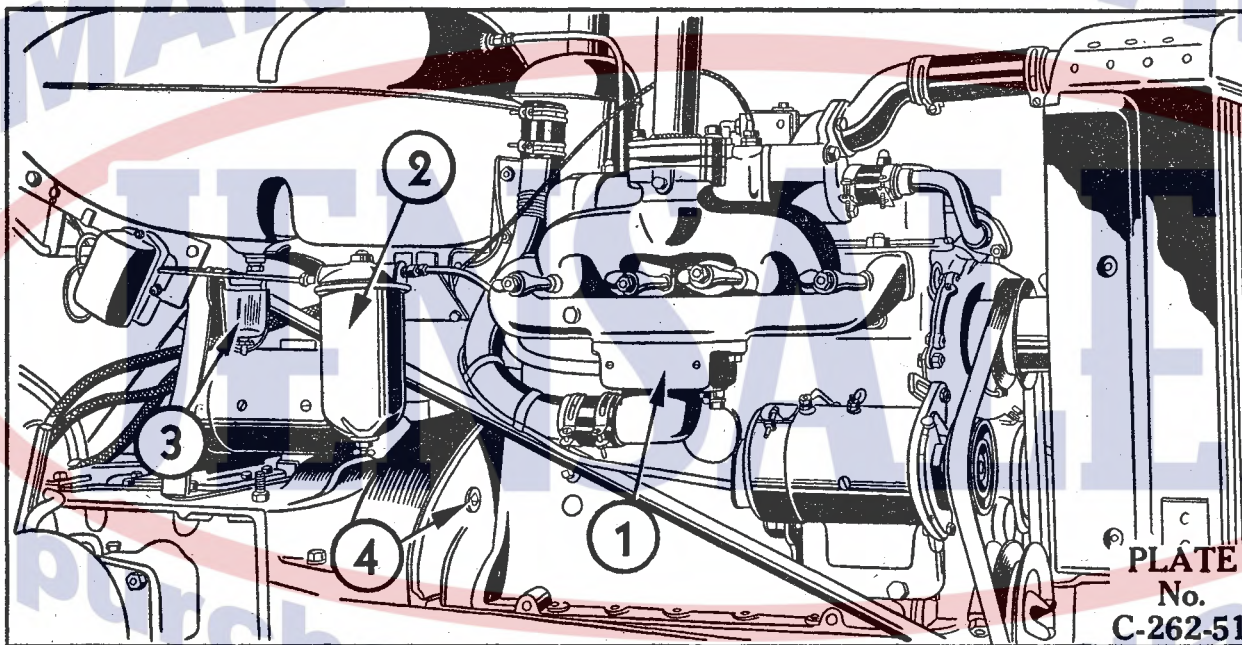
GENERAL DIMENSIONS (Approximate)

Length overall — (with pneumatic tires)	
Standard Model	124"
Row Crop Model	127"
Width overall — (minimum tread)	75"
Height overall — (to top of steering wheel)	69"
Drawbar — (Vertical adjustments above ground)	10¼", 13", 16¼", 19¾"
(Lateral adjustments, on each side of central position)	11½"

The primary filter is of the replaceable element type. It is designed with a drain cock in the bottom so that it may be drained. A small amount should be drained each morning before the tractor is started. In this way any water which has reached the primary filter will be eliminated from the primary system.

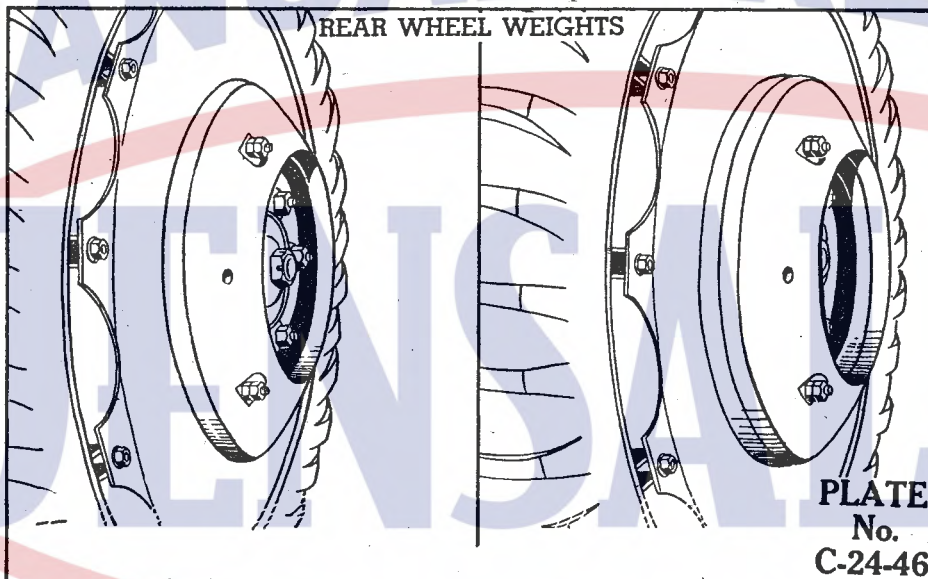
The fuel is then pumped through the transfer pump as indicated by arrow (3), plate C-263, and through the secondary filter as indicated by arrow (2), plate C-263, to the injection pump sump.

The secondary filter is also of the replaceable element type and designed with a drain cock in the bottom of the bowl. If any signs of water are found when the primary filter is checked, then the secondary filter should also have a small amount of fuel drained out to check for water carry over. Check at least once every 10 days or oftener.



easily secured. Bearing in mind that more efficient traction is secured when tires are run in the direction specified on them, the tires from the opposite wheel should be used when tread widths 64, 68, 80 and 84 are used.

EXAMPLE — To use a tread width of 80 inches when the tread has been set for 56 inches, jack up the rear wheels carefully and block the front wheels to prevent shifting, remove the rim bolts, and the bolts holding the disc to the hub. Then shift the tires to the opposite side of the tractor, re-install the discs on the hub with the dished side out, then mount the rims to the discs with the clamp inside the disc. **TIGHTEN ALL BOLTS AND NUTS SECURELY.**



REAR WHEEL WEIGHTS

PLATE No. C-24-46

REAR WHEELS — The drawbar pull of a tractor can be increased by adding weight to the driving wheels. This may be accomplished by adding cast iron weights to the wheels, or by the use of liquid in the tire tube or both if necessary, depending on the type of soil.

LIQUID WEIGHT — Tractor tires may be filled with a liquid to an extent recommended by the tire manufacturer concerned. Consult your dealer for recommended percentage of liquid to be used in your tractor tires. For temperatures above 30° F. use clean water as a liquid. When operating in temperatures below freezing (32° F.) a solution of calcium chloride is recommended. A solution of approximately 23 pounds of flaked calcium chloride to 10 Imperial gallons (12 U.S. gallons) of clean water is recommended when operating under freezing temperatures. The specific gravity of 1.225 gives a freezing point of — 25° F. for the solution. To prevent heating when mixing always add the chloride to the water slowly — NOT the water to the chloride. Allow solution to cool before using.

NOTE: Your dealer is equipped to put a liquid solution in the tires.