

Information and Instructions

This individual shop manual is one unit of a series on wheel type tractors. Contained in it are the necessary specifications and the brief but terse procedural data needed by a mechanic when repairing a tractor on which he has had no previous actual experience.

The material is arranged in a systematic order beginning with an index which is followed immediately by a Table of Condensed Service Specifications. These specifications include dimensions, fits, clearances and timing instructions. Next in order of arrangement is the procedures paragraphs.

In the procedures paragraphs, the order of presentation starts with the front axle system and steering and proceeding toward the rear axle. The last paragraphs are devoted to the power take-off and power lift systems. Interpersed where needed are additional tabular specifications pertaining to wear limits, torquing, etc.

HOW TO USE THE INDEX

Suppose you want to know the procedure for R&R (remove and reinstall) of the engine camshaft. Your first step is to look in the index under the main heading of ENGINE until you find the entry "Camshaft." Now read to the right where under the column covering the tractor you are repairing, you will find a number which indicates the beginning paragraph pertaining to the camshaft. To locate this wanted paragraph in the manual, turn the pages until the running index appearing on the top outside corner of each page contains the number you are seeking. In this paragraph you will find the information concerning the removal of the camshaft.

SHOP MANUAL

CASE/INTERNATIONAL

MAGNUM SERIES

MODELS

7110-7120-7130-7140

IDENTIFICATION

Tractor model number and identification serial number are located on a plate on lower left side of instrument panel cover. Engine serial number is located on a plate on left side of timing gear housing. Cab serial number is located on a plate just to the left of inching pedal. Transmission serial number is located on a plate on right front side of speed transmission housing. On models so equipped, front-wheel drive serial number is located on a plate on right rear side of front drive axle housing.

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DUAL DIMENSIONS

This service manual provides specifications in both the U.S. Customary and Metric (SI) system of measurements. The first specification is given in the measuring system used during manufacture, while the second specification (given in parenthesis) is the converted measurement. For instance, a specification of "0.011 inch (0.279 mm)" would indicate that the equipment was manufactured using the U.S. system of measurement and the metric equivalent of 0.011 inch is 0.279 mm.

CONDENSED SERVICE DATA

	Models			
	7110	7120	7130	7140
GENERAL				
Engine Make	Case-International			
Engine Model	6T-830		6TA-830	
Cylinders, No. of	6			
Bore	4.488 in. (114 mm)			
Stroke	5.315 in. (135 mm)			
Displacement	505 cu. in. (8.3 L)			
Compression Ratio	17.3:1		16.5:1	
Main Bearings, No. of	7			
Cylinder Sleeves	Wet			
Forward Speeds	18 or 24			
TUNE-UP				
Firing Order	1-5-3-6-2-4			
Valve Tappet Gap, Cold—				
Intake	0.012 in. (0.305 mm)			
Exhaust	0.024 in. (0.609 mm)			