

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

FORD

MODELS 3230, 3430, 3930, 4630, 4830

The tractor identification plate is located under the tractor hood. Serial and model numbers of the tractor, engine, transmission, rear axle, hydraulic pump and the hydraulic lift are recorded on this identification plate. If equipped with Front-Wheel Drive, a similar plate is attached to the rear surface of the front drive axle housing.

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CONDENSED SERVICE DATA

	3230	3430	3930	4630	4830
GENERAL					
Engine Make	Own				
Number of Cylinders	3	3	3	3	4
Bore	111.8 mm				
	(4.4 in.)				
Stroke	106.7 mm	106.7 mm	111.8 mm	111.8 mm	106.7 mm
	(4.2 in.)	(4.2 in.)	(4.4 in.)	(4.4 in.)	(4.2 in.)
Displacement	3147 cc	3147 cc	3294 cc	3294 cc	4186 cc
	(192 cid)	(192 cid)	(201 cid)	(201 cid)	(256 cid)
Compression Ratio	16.3:1				
Firing Order	1-2-3	1-2-3	1-2-3	1-2-3	1-3-4-2
Valve Clearance (Cold):					
Inlet	0.36-0.46 mm				
	(0.014-0.018 in.)				
Exhaust	0.43-0.48 mm				
	(0.017-0.019 in.)				
Valve Face Angle, Degrees					
Inlet and Exhaust	44.25-44.5				
Valve Seat Angle, Degrees					
Inlet and Exhaust	45-45.5				