

Information and Instructions

This shop manual contains several sections each covering a specific group of wheel type tractors. The Tab Index on the preceding page can be used to locate the section pertaining to each group of tractors. Each section contains 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.

Within each section, 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. Interspersed 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

ALLIS-CHALMERS

MODELS D-19

D-19 DIESEL

Tractor serial number is stamped on the left front of torque tube. Engine serial number is stamped on the center left side of the engine block. Transmission serial number is stamped on the lower right hand corner of rear face of transmission case.

The D-19 tractor is available with an LP-Gas, gasoline or a turbo-charged diesel engine in dual wheel tricycle, single wheel tricycle or adjustable axle versions.

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SHOP MANUAL

ALLIS-CHALMERS

MODELS 180, 185, 190, 190XT, 200, 7000

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SHOP MANUAL

ALLIS-CHALMERS

MODELS D-21, D-21 SERIES II, TWO-TEN AND TWO-TWENTY

Tractor serial number is located on the front flange of the torque (clutch) housing at left hand side of tractor. Engine serial number is located on nameplate which is attached to the upper rear corner of cylinder block on the left hand side of tractor.

Model D-21 tractors were available with a naturally aspirated diesel engine. D-21 Series II, Two-Ten and Two-Twenty tractors are equipped with a turbo-charged diesel engine. All models are available with an adjustable, wide front axle. Two-Twenty models are also available with a driving front axle (Front Wheel Assist).

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CONDENSED SERVICE DATA

GENERAL

	D-21	D-21 Series II	210 220
Liquid Capacities			
Cooling System	21 Qts.	31 Qts.	21 Qts.
Crankcase (with filter)	12 Qts.	12 Qts.	†21 Qts.
Fuel Tank	52 Gals.	52 Gals.	51 Gals.
Transmission (approx.)	21 Gals.	21 Gals.	27 Gals.

†Capacity is 15 qts. for 220 model.

Front Wheels

Toe-In $\frac{1}{16}$ - $\frac{1}{8}$ Inch

Speeds

Number Forward 8

Number Reverse 2

Electrical System

Voltage 12

Ground Polarity Negative

No. of Batteries 2 or 4

Battery Voltage, each 12

SHOP MANUAL ALLIS-CHALMERS

MODELS 7010-7020-7030-7040-7045-7050-7060-7080

Tractor serial number is stamped on rear side of differential housing above power take-off shield. Engine serial number plate is on upper left side of engine block.

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DUAL DIMENSIONS

This service manual provides specifications in both the U.S. Customary and Metric (SI) systems of measurement. The first specification is given in the measuring system perceived by us to be the preferred system when servicing a particular component, while the second specification (given in parenthesis) is the converted measurement. For instance, a specification of “0.011 inch (0.28 mm)” would indicate that we feel the preferred measurement, in this instance, is the U.S. system of measurement and the metric equivalent of 0.011 inch is 0.28 mm.