

# DESCRIPTION AND SPECIFICATIONS

**NOTE** - The data appearing throughout this manual as British equivalents have been introduced for the reader's convenience, but the metric units only are to be considered as the original design and manufacturing data.

## ENGINE

Model	CO1D/55	CO2D/60 var. 10
4-cycle Diesel, direct-injection and double turbulence action		
Number of cylinders, vertical, in-line	4	4
Bore, inches	4.13 (105 mm)	4.25 (108 mm)
Stroke, inches	4.72 (120 mm)	4.72 (120 mm)
Number of main bearings	5	5
Displacement, cubic inches	253.6 (4156 cm <sup>3</sup> )	268.3 (4397 cm <sup>3</sup> )
Compression ratio, approx.	15 : 1	15.5 : 1
Maximum horse-power (without fan, air cleaner and exhaust pipe)	55	60
Speed at maximum horse-power, r.p.m.	1750	1750
Maximum torque (with fan, air cleaner and exhaust pipe), ft.lb.	177.2 (24,5 Kgm)	191.7 (26,5 Kgm)
Speed at maximum torque, r.p.m.	1200	1200
Weight, lbs. (dry)	1000 (454 Kg)	1000 (454 Kg)

## Main components.

- Cast-iron crankcase and cylinder head. Replaceable wet cylinder sleeves made of special cast-iron alloy.
- Aluminum-alloy pistons with combustion chamber located at top. Three compression, one oil-scraper and two oil-control piston rings.
- I-section, steel connecting rods.
- Steel crankshaft with 5 main bearings, induction hardened main and connecting-rod journals. Main and connecting-rod bearings of the thin shell Vandervell type.

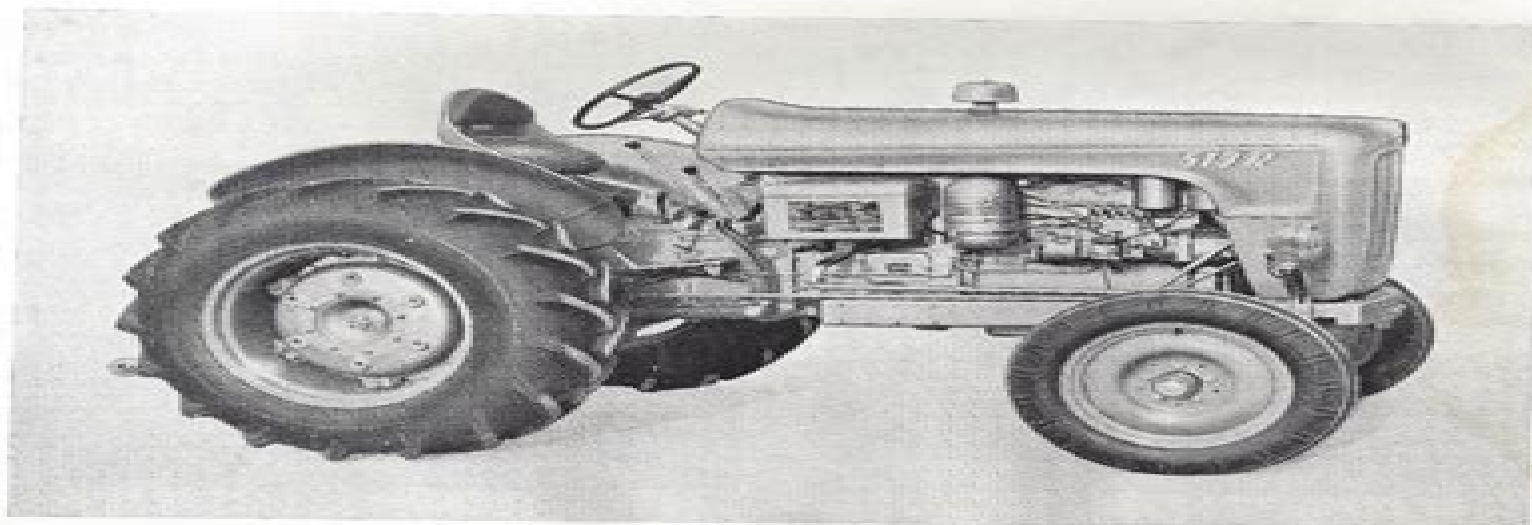


Fig. 1. - Side view of tractor.

# Fiat 513r Tractor Workshop Service Repair Manual

**John Harold Haynes, B. L. Chalmers-  
Hunt**



### **Fiat 513r Tractor Workshop Service Repair Manual:**

Fiat 500 Owner's Workshop Manual John Harold Haynes, James Larminie, 2012-09 Information on routine servicing and repair for the DIY mechanic with tasks described and photographed in a step by step sequence      **Fiat 850 Owner's Workshop Manual** John Harold Haynes, 1972      Fiat 1100, 1100d, 1100r and 1200 1957-1969 Owners Workshop Manual Autobooks, 2008-08-01 166 pages 217 illustrations size 7 5 x 9 25 inches As a service to the classic car enthusiast VelocePress in close cooperation with Brooklands Books Ltd has brought this and other repair manuals previously published as part of the Autobook Autopress Owners Workshop Manual Series back into print This series of manuals is an invaluable resource for the classic car enthusiast and a must have for owners interested in performing their own maintenance These manuals include detailed repair service data and comprehensive step by step instructions and illustrations on dismantling overhauling and re assembly Typically they contain individual chapters that deal with the following items Engine Carburetor Fuel System Ignition System Cooling System Clutch Transmission Drive Shaft Rear Axle Rear Suspension Front Suspension Hubs Steering Gear Braking System Electrical Equipment and Bodywork There are many time saving hints and tips included and there is an easy to follow fault diagnosis at the end of each chapter All of the manuals in this series include a detailed index and feature an oil resistant laminated cover      411 R Wheel Tractor Service Manual Fiat (Firm), 1963      **Fiat Panda Owner's Workshop Manual**, 2013-07 This is one in a series of manuals for car or motorcycle owners Each book provides information on routine maintenance and servicing with tasks described and photographed in a step by step sequence so that even a novice can do the work      Fiat 500 Owners Workshop Manual Autobooks, 2002-01-01 VelocePress in close cooperation with Brooklands Books Ltd has brought this and other repair manuals previously published as part of the Autobooks Owners Workshop Manual Series back into print The series is an invaluable resource for the classic car enthusiast and a must have for owners interested in performing their own maintenance      Fiat 125 & 125 Special 1967-1973 Owners Workshop Manual Autobooks, 2008-08-01 As a service to the classic car enthusiast VelocePress in close cooperation with Brooklands Books Ltd has brought this and other repair manuals previously published as part of the Autobook Autopress Owners Workshop Manual Series back into print This series of manuals is an invaluable resource for the classic car enthusiast and a must have for owners interested in performing their own maintenance These manuals include detailed repair service data and comprehensive step by step instructions and illustrations on dismantling overhauling and re assembly Typically they contain individual chapters that deal with the following items Engine Carburetor Fuel System Ignition System Cooling System Clutch Transmission Drive Shaft Rear Axle Rear Suspension Front Suspension Hubs Steering Gear Braking System Electrical Equipment and Bodywork There are many time saving hints and tips included and there is an easy to follow fault diagnosis at the end of each chapter All of the manuals in this series include a detailed index and feature an oil resistant laminated cover  
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