

310G-350 CRAWLER

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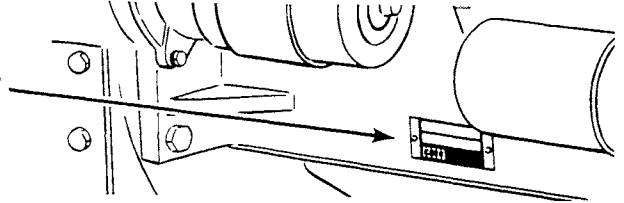
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Section 1010

GENERAL ENGINE SPECIFICATIONS 350 CRAWLER

THE MODEL AND ENGINE SERIAL NUMBER IS STAMPED ON A PLATE LOCATED ON THE RIGHT SIDE OF THE ENGINE BELOW THE CRANKING MOTOR.



General

188 DIESEL ENGINES

Type	Case Open Chamber, 4 Cylinder, 4 Stroke Cycle, Valve-in-Head
Firing Order	1-3-4-2
Bore	3-13/16 Inches (96.8mm)
Stroke	4-1/8 Inches (104.8mm)
Piston Displacement	188 Cubic In. (3 080.8 cm ³)
Compression Ratio	17.5 to 1
No Load Governed Speed	2150 RPM
Rated Engine Speed	2000 RPM
Engine Idling Speed	700 to 750 RPM
*Valve Tappet Clearance (Exhaust)	(Hot and Cold) .014 Inch (0.356mm)
(Intake)	(Hot and Cold) .012 Inch (0.305mm)

*Hot Settings Are Made After the Engine Has Operated At Thermostat Controlled Temperature For At Least Fifteen Minutes.

Piston and Connecting Rods

Rings per Piston	3
Number of Compression Rings	2
Number of Oil Rings	1
Type Pins	Full Floating Type
Type Bearing	Replaceable Precision, Steel Back, Copper-Lead Alloy Liners

Main Bearings

Number of Bearings	5
Type Bearings	Replaceable Precision Steel Back, Copper-Lead Alloy Liners

Engine Lubricating System

Crankcase Capacity (Without Filter)	6 U.S. Quarts (5.7 Litres)
(With Filter Change)	7 U.S. Quarts (6.6 Litres)
Oil Pressure	50 to 70 PSI (345 to 483 kPa) Eng. Warm and Operating at Rated Eng. Speed
Type System	Pressure and Spray Circulation
Oil Pump	Gear Type
Oil Filter	Full Flow Spin on Type

Fuel System

Fuel Injection Pump	Roosa-Master
Pump Timing	8 Degrees Before Top Dead Center
Fuel Injectors (Prior Eng. SN 2726393)	Pencil Type (Opening Press. 2800 PSI) (19 306 kPa)
Fuel Injectors (Start'g W/Eng. SN 2726393) ..	Pencil Type (Opening Press. 3200 PSI) (22 064 kPa)
Fuel Transfer Pump	Vane Type, Integral Part of Injection Pump
Governor	Variable Speed, Fly-Weight Centrifugal Type, Integral Part of Injection Pump
Fuel Filters (Prior Eng. SN 2718490)	Replaceable Element Type
Fuel Filters (Starting W/Eng. SN 2718490)	Full Flow Spin on Type