310G-350 CRAWLER

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CASE CORPORATION

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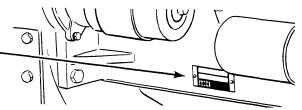
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Section 1010

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.



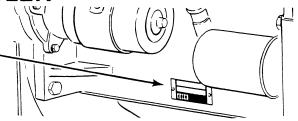
General 188 DIESEL ENGINES

Type Case Open Chamber, 4 Cylinder, 4 Stroke Cycle, Valve-in-Head
Firing Order
Bore
Stroke 4-1/8 Inches (104.8mm)
Piston Displacement
Compression Ratio 17.5 to 1
No Load Governed Speed
Rated Engine Speed 2000 RPM
Engine Idling Speed
*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
Number of Compression Rings
Number of Oil Rings
Type Pins Full Floating Type
Tpye Bearing Replaceable Precision, Steel Back, Copper-Lead Alloy Liners
Main Bearings
Number of Bearings
Type Bearings
Engine Lubricating System
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
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Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
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)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)
Engine Lubricating System Crankcase Capacity (Without Filter)

Rac 9-77885

GENERAL ENGINE SPECIFICATIONS 310 CRAWLER

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



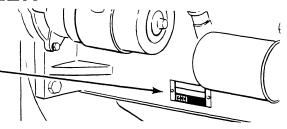
188 DIESEL ENGINES

General	180 DIESEL ENGINES
Type	Case Open Chamber, 4 Cylinder, 4 Stroke Cycle, Valve-in-Head
Bore	3-13/16 Inches (96.8mm)
	4-1/8 Inches (104.8mm)
=	
• • • • • • • • • • • • • • • • • • •	2015 RPM
	575 to 675 RPM
	(Hot and Cold) .014 Inch (0.356mm)
	(Hot and Cold) .012 Inch (0.305mm) the Engine Has Operated At Thermostat Controlled Temperature
Piston and Connectin	g Rods
Rings per Piston	3
Number of Compression Rings	2
	Full Floating Type
Type Bearings	Replaceable Precison, Steel Back, Copper-Lead Alloy Liners
Main Bearings	
	5
	Replaceable Precision Steel Back, Copper-Lead Alloy Liners
Engine Lubricating Sy	ystem
Crankcase Capacity (Without Fil-	ter) 5 U.S. Quarts (4.7 Litres)
	ge) 6 U.S. Quarts (5.7 Litres)
	I (345 to 483 kPa) Eng. Warm and Operating at Rated Eng. Speed
	Pressure and Spray Circulation
_	Gear Type
Oil Filter	Full Flow Spin on Type
Fuel System	
Fuel Injection Pump	Roosa-Master
	N 2726393) Pencil Type (Opening Press. 2800 PSI) (19 300 kPa)
	Speed, Fly-Weight Centrifugal Type, Integral Part of Injection Pump
Fuel Filters (Starting W/Eng. SI	3490) Replaceable Element Type

GENERAL ENGINE SPECIFICATIONS 310 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



148 SPARK IGNITION ENGINE

G 01101 a.	
	Case Open Chamber, 4 Cylinder, 4 Stroke Cycle, Valve-in-Head
(2aut)	(Cold) .020 Inch (0.508mm)
(Intake)	(Hot and Cold) .014 Inch (0.356mm)
	Engine Has Operated At Thermostat Controlled Temperature
Piston and Connecting	Rods
Rings per Piston	4
	Full Floating Type
Type Bearing	
Main Bearings	
Type Bearings	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners.
	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners.
Type Bearings Engine Lubricating Syst	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners.
Type Bearings Engine Lubricating Syst Crankcase Capacity (Without Filter)	
Type Bearings Engine Lubricating Syst Crankcase Capacity (Without Filter) (With Filter Cha	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners.
Type Bearings Engine Lubricating Syst Crankcase Capacity (Without Filter) (With Filter Cha	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) Gen 6 U.S. Quarts (5.7 Litres) Comparison of U.S. Quarts (5.7 Litres)
Type Bearings Engine Lubricating Syst Crankcase Capacity (Without Filter) (With Filter Cha Oil Pressure Type System	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 6 U.S. Quarts (5.7 Litres) 7 Litres Aluminum Alloy Liners. 8 U.S. Quarts (5.7 Litres) 9 Departing at Rated Engine Speed 1 Pressure and Spray Circulation
Type Bearings Engine Lubricating Syst Crankcase Capacity (Without Filter) (With Filter Cha Oil Pressure Type System Oil Pump	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 1 Gear Type 1 Gear Type
Type Bearings Engine Lubricating Syst Crankcase Capacity (Without Filter) (With Filter Cha Oil Pressure Type System Oil Pump	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 6 U.S. Quarts (5.7 Litres) 7 Litres Aluminum Alloy Liners. 8 U.S. Quarts (5.7 Litres) 9 Departing at Rated Engine Speed 1 Pressure and Spray Circulation
Type Bearings Engine Lubricating System (With Filter Cha Oil Pressure Type System Oil Pump Oil Filter	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 24 to 32 PSI (165 to 221 kPa) with Engine Warm and Operating at Rated Engine Speed Pressure and Spray Circulation Gear Type
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chance Chance) Type System Oil Pump Oil Filter Fuel System	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 1 Germ 6 U.S. Quarts (5.7 Litres) 1 Germ 1 Operating at Rated Engine Speed 1 Pressure and Spray Circulation 2 Gear Type 1 Full Flow Spin-on Type
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chatolic Pressure Type System Oil Pump Oil Filter Fuel System Carburetor	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 9 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 11 U.S. Quarts (5.7 Litres) 12 U.S. Quarts (4.7 Litres) 13 U.S. Quarts (5.7 Litres) 14 U.S. Quarts (5.7 Litres) 15 U.S. Quarts (5.7 Litres) 16 U.S. Quarts (5.7 Litres) 17 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 11 U.S. Quarts (5.7 Litres) 12 U.S. Quarts (5.7 Litres) 13 U.S. Quarts (5.7 Litres) 14 U.S. Quarts (5.7 Litres) 15 U.S. Quarts (5.7 Litres) 16 U.S. Quarts (5.7 Litres) 17 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 11 U.S. Quarts (5.7 Litres) 12 U.S. Quarts (5.7 Litres) 13 U.S. Quarts (5.7 Litres) 14 U.S. Quarts (5.7 Litres) 15 U.S. Quarts (5.7 Litres) 16 U.S. Quarts (5.7 Litres) 17 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres)
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chatolic Cha	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 7 Departing at Rated Engine Warm and Operating at Rated Engine Speed 8 Pressure and Spray Circulation 9 Gear Type 9 Full Flow Spin-on Type 9 Marvel-Schebler No. TSX-957 9 Approx. 1-3/4 Turns Open
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chatolic Pressure Type System Oil Pump Oil Filter Fuel System Carburetor Main Jet Adjustment Idle Jet Adjustment	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 9 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 11 U.S. Quarts (5.7 Litres) 12 U.S. Quarts (4.7 Litres) 13 U.S. Quarts (5.7 Litres) 14 U.S. Quarts (5.7 Litres) 15 U.S. Quarts (5.7 Litres) 16 U.S. Quarts (5.7 Litres) 17 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 11 U.S. Quarts (5.7 Litres) 12 U.S. Quarts (5.7 Litres) 13 U.S. Quarts (5.7 Litres) 14 U.S. Quarts (5.7 Litres) 15 U.S. Quarts (5.7 Litres) 16 U.S. Quarts (5.7 Litres) 17 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 19 U.S. Quarts (5.7 Litres) 10 U.S. Quarts (5.7 Litres) 11 U.S. Quarts (5.7 Litres) 12 U.S. Quarts (5.7 Litres) 13 U.S. Quarts (5.7 Litres) 14 U.S. Quarts (5.7 Litres) 15 U.S. Quarts (5.7 Litres) 16 U.S. Quarts (5.7 Litres) 17 U.S. Quarts (5.7 Litres) 18 U.S. Quarts (5.7 Litres)
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chance Chance) Type System Oil Pump Oil Filter Fuel System Carburetor Main Jet Adjustment Idle Jet Adjustment Distributor Ignition	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 24 to 32 PSI (165 to 221 kPa) with Engine Warm and Operating at Rated Engine Speed Pressure and Spray Circulation Gear Type Full Flow Spin-on Type Marvel-Schebler No. TSX-957 Approx. 1-3/4 Turns Open Approx. 1 Turn Open
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chance Chance) Type System Oil Pump Oil Filter Fuel System Carburetor Main Jet Adjustment Idle Jet Adjustment Distributor Ignition Contact Point Gap	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 24 to 32 PSI (165 to 221 kPa) with Engine Warm and Operating at Rated Engine Speed Pressure and Spray Circulation Gear Type Full Flow Spin-on Type Marvel-Schebler No. TSX-957 Approx. 1-3/4 Turns Open Approx. 1 Turn Open
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chatolic Pressure) Type System Oil Pump Oil Filter Fuel System Carburetor Main Jet Adjustment Idle Jet Adjustment Distributor Ignition Contact Point Gap Dwell Angle	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 24 to 32 PSI (165 to 221 kPa) with Engine Warm and Operating at Rated Engine Speed Pressure and Spray Circulation Gear Type Full Flow Spin-on Type Marvel-Schebler No. TSX-957 Approx. 1-3/4 Turns Open Approx. 1 Turn Open
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chatolic Pressure) Type System Oil Pump Oil Filter Fuel System Carburetor Main Jet Adjustment Idle Jet Adjustment Distributor Ignition Contact Point Gap Dwell Angle	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 24 to 32 PSI (165 to 221 kPa) with Engine Warm and Operating at Rated Engine Speed Pressure and Spray Circulation Gear Type Full Flow Spin-on Type Marvel-Schebler No. TSX-957 Approx. 1-3/4 Turns Open Approx. 1 Turn Open
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Engine Lubricating System Crankcase Capacity (Without Filter) (With Filter Chatolic Pressure Type System Oil Pump Oil Filter Fuel System Carburetor Main Jet Adjustment Idle Jet Adjustment Idle Jet Adjustment Distributor Ignition Contact Point Gap Dwell Angle Spark Plug Gap (18mm) (Heat Ranker) Engine Timing	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 24 to 32 PSI (165 to 221 kPa) with Engine Warm and Operating at Rated Engine Speed Pressure and Spray Circulation Gear Type Full Flow Spin-on Type Marvel-Schebler No. TSX-957 Approx. 1-3/4 Turns Open Approx. 1 Turn Open
Type Bearings Engine Lubricating System Crankcase Capacity (Without Filter)	Replaceable Precision, Steel Back, Copper-Lead or Aluminum Alloy Liners. Sem 5 U.S. Quarts (4.7 Litres) 6 U.S. Quarts (5.7 Litres) 7 Circulation 8 Pressure and Spray Circulation 9 Gear Type 7 Full Flow Spin-on Type 8 Full Flow Spin-on Type 8 Approx. 1-3/4 Turns Open 9 Approx. 1 Turn Open 9 Approx. 1 Turn Open 9 42° 9 Ge-8) .025 Inch (0.635mm)

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