

SHOP MANUAL

JOHN DEERE

SERIES 6030

Tractor serial number located on rear of transmission case. Engine serial number located on front right side of engine block.

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CONDENSED SERVICE DATA

GENERAL

Engine Make	Own
No. of Cylinders	6
Bore, Inches	4 $\frac{3}{4}$
Stroke, Inches	5
Displacement, Cu. In.	531
Compression Ratio	15.4:1
Induction	*NA. & Turbocharged
Cylinder sleeves	Wet
Forward Speeds	8

TUNE-UP

Firing Order	1-5-3-6-2-4
Compression Pressure	
Cranking Speed	325-395
Valve Tappet Gap	
Intake	0.018
Exhaust	0.028
Injection Pump Timing	27° BTDC
Injector Opening Pressure	3100 psi
Engine Rated Speeds	
Slow Idle	800 rpm
Working Range	1500-2100 rpm
Maximum Transport Speed	2300 rpm

TUNE-UP Cont.

Horsepower @ 2100 rpm	
PTO *(N.A.)	145
PTO (Turbo)	175

SIZES—CAPACITIES—

CLEARANCES

Cooling System (Quarts)	*N.A.33-Turbo. 40
Crankcase Oil (Quarts with filter)	*N.A.20-Turbo. 26
Transmission & Hydraulic System	
(Gallons) (Refill)	16
Fuel Tank (Gallons)	*N.A.68-Turbo. 73
Crankshaft Journal Diameter	3.748-3.749
Crankpin Diameter	3.498-3.499
Piston Pin Diameter	1.8739-1.8745
Crankshaft End Play	0.004-0.010
Main Bearing Clearance	0.0019-0.0049
Connecting Rod Bearing Clearance	0.0024-0.0054

TIGHTENING TORQUES—Ft.-Lbs.

Cylinder Head	175-185
Main Bearings	205-215
Connecting Rods	155-165

*Naturally aspirated

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