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KOHLER K141



equipped with Kohler or Walbro carburetor and magneto, battery or breakerless ignition systems.

The **Kohler K141** is a 277 cc (16.9 cu-in) single-cylinder air-cooled four-stroke internal combustion gasoline engine from K-series, manufactured by Kohler Co.

The Kohler K141 engine has an L-head (side valve) design and horizontal PTO-shaft. This engine can be

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The cylinder bore is 74.62 mm (2.94 in) and the piston stroke is 63.50 mm (2.5 in). This engine produced 6.1 PS (4.5 kW; 6.0 HP) at 3,600 rpm of horsepower.

The breakdown of the engine code is as follows:

- **K** – K-series
- **14** – Approximate displacement (cu-in)
- **1** – Single cylinder
- **Suffix** (engine is available with the following options):
 - S** – Electric starter;
 - T** – Retractable starter;
 - ST** – Electric and retractable starter;
 - EP** – Electric plant;
 - A** – Special oil pan;
 - C** – Clutch model;
 - G** – Generator applications;
 - P** – Pump model;
 - Q** – Quiled model;
 - R** – Reduction gear;

GENERAL INFORMATION

Engine Specifications	
Model	K141
Type	4-stroke, L-head, single cylinder
Displacement	277 cm ³ (16.9 cu-in)
Max. horsepower	6.1 PS (4.5 kW; 6.0 HP) at 3,600 rpm
Max. torque (crank PTO)	-



Kohler SV471



Kohler SV470



Rato
Russell Newbery
Subaru-Robin
Torx
Toyosha
Yamaha
Zongshen

Fuel system	Carburetor (Kohler or Walbro, fixed main jet or adjustable main jet)
Cooling system	Forced-air
Ignition system	Magneto or battery or breakerless ignition system
Lubricating system	Splash type
Starting system	Recoil or electric starter
Fuel used	Unleaded gasoline (octane number 86 or higher)
Fuel tank capacity	-

Kohler SV541



OUTBOARD ENGINES

Kama

AIRCRAFT ENGINES

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CYLINDER BLOCK AND HEAD

Cylinder block		
Compression ratio:	-	
Bore x Stroke	74.62 X 63.50 mm (2.94 x 2.50 in)	
Sleeve internal diameter	74.6252-74.5998 mm (2.938-2.937 in)	
Piston skirt outer diameter	74.4143-74.3737 mm (2.9297-2.9281 in)	
Number of piston rings (compression / oil):	2 / 1	
Ring end gap	Top	0.177-0.432 mm (0.007-0.017 in)
	Second	0.177-0.432 mm (0.007-0.017 in)
Connecting rod small end ID	15.8877-15.8953 mm (0.6255-0.6258 in)	
Piston pin outer diameter	15.8673-15.8724 mm (0.6247-0.6249 in)	
Cylinder Head		
Valve Arrangement:	L-head (sidevalve)	
Valves:	2	
Valve head diameter:	INTAKE	34.925 mm (1.375 in)

Kohler SV540

RECENT COMMENTS

 **FAREASTWOOD ON** Nissan HR15DE

 **CANDICE ON** Toyota 2JZ-GTE

 **DAVID SALAZAR ON** Kawasaki FC150V

 **PEDRO RAMIREZ ON** Caterpillar C1.5

 **ALOYSHA WICKHAM ON** Toyota 1JZ-GTE

 **GREGORY GERHARD ON** Kohler

	EXHAUST	28.575 mm (1.125 in)
Stem outer diameter (standard):	INTAKE	7.886-7.899 mm (0.3105-0.311 in)
	EXHAUST	7.848-7.861 mm (0.309-0.3095 in)

SV480

 **MARTY ON** Kawasaki FD731V

 **FLORIN PANAINTE ON** Nissan MR20DE / Renault M4R







TIGHTENING TORQUE SPECS

Tightening torque specs	
Cylinder head bolt	20-27 Nm; 2.0-2.7 kg·m; 15-20 ft·lb
Flywheel	115-122 Nm; 11.7-12.3 kg·m; 85-90 ft·lb
Spark plug	25-30 Nm; 2.55-3.06 kg·m; 18-22 ft·lb

SERVICE INFORMATION

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Engine	
Max speed	3,600 rpm
Valve clearance	
Intake valve clearance	0.15-0.20 mm (0.0059-0.0079 in)
Exhaust valve clearance	0.43-0.48 mm (0.0169-0.0189 in)
Oil system	
Oil type	API SF or SG
Recommended oil	Summer: SAE 30W Winter: SAE 5W-20, 5W-30
Oil capacity	1.2 L (1.27 US. qt, 1.06 Imp. qt.)
Ignition system	
Spark plug	Champion: RJ8C
Spark plug gap	0.65 mm (0.0256 in)

     
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3 COMMENTS



Frank Jones says:

MAY 20, 2020 AT 3:53 PM

Thank you for this information. I found it very useful

 **REPLY**



gerard dervan conty galway says:

JUNE 23, 2020 AT 7:14 PM

thanks for this information replasing piston found the silender bore very help full

 **REPLY**



Ted Churchill says:

MARCH 21, 2021 AT 3:44 PM

I have been restoring a 1965 cub cadet tractor. Over the year of teardown and assemble I forgot how the throttle attaches to the carburetor. Will some kind soul send me a picture. Thanks in advance.

 **REPLY**

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