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Sportster History - Sub-01D

Charting Sportster Engines and Specs

Engine Information

Year	Model	Bore in (mm)	Stroke in (mm)	Displacement CI / (cc)	Compression Ratio	BHP @ RPM	Torque @ RPM	Cam Grind
1986-1990 ¹⁾	883	3.0 (76)	3.812 (96.82)	53.9 (883)	9:1	52 @ 6000	53 @ 4250	
1986-1987 ²⁾	1100	3.350 (85.09)	3.812 (96.82)	67.2 (1100)	9:1	62 @ 6000	63 @ 4000	
1988-1990 ³⁾	1200	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	9:1	68 @ 6000	72 @ 4500	
1991 ⁴⁾	883	3.0 (76)	3.812 (96.82)	53.9 (883)	9:1	52 @ 6000	53 @ 4250	
	1200	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	9:1	68 @ 6000	72 @ 4000	
1992 ⁵⁾	883	3.0 (76)	3.812 (96.82)	53.9 (883)	9:1	55 @ 6000	55 @ 4500	
	1200	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	9:1	64 @ 5200	71.5 @ 4500	
1993-1996 ^{6) 7)}	883	3.0 (76)	3.812 (96.82)	53.9 (883)	9:1	55 @ 6000	50 @ 4600	
	1200	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	9:1	65 @ 5200	71 @ 4000	
1998 ⁸⁾	883	3.0 (76)	3.812 (96.82)	53.9 (883)	9:1	57 @ 6000	53 @ 4500	
	1200 1200C	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	9:1	66 @ 5200	72 @ 4000	
	1200S	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	10:1	69 @ 5500	76 @ 4000	
1999 ⁹⁾	883	3.0 (76)	3.812 (96.82)	53.9 (883)	9:1	57 @ 6000	53 @ 4500	
	1200	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	9:1	66 @ 5200	72 @ 4000	
	1200S	3.498 (88.85)	3.812 (96.82)	73.3 (1200)	10:1	69 @ 5500	76 @ 4000	

2000 ¹⁰⁾	883	3.0005 (76.20)	3.812 (96.82)	53.9 (883)	9:1	57 @ 6000	53 @ 4500	
	1200	3.498 (88.85)	3.812 (96.82)	73.3 (1203)	9:1	66 @ 5200	72 @ 4000	
	1200S	3.498 (88.85)	3.812 (96.82)	73.3 (1203)	10:1	69 @ 5500	76 @ 4000	
2001 ¹¹⁾	883	3.00 (76.20)	3.81 (96.77)	53.9 (883)	9:1	not stated	53 @ 4500	
	1200	3.50 (88.90)	3.81 (96.77)	73.4 (1200)	9:1	not stated	72 @ 4000	
	1200S	3.508 (88.90)	3.81 (96.77)	73.4 (1200)	10:1	not stated	76 @ 4000	
2002 ¹²⁾	883 / 883C	3.00 (76.20)	3.81 (96.77)	53.9 (883)	9:1	not stated	53 @ 4500	
	883R						52 @ 4500	
	1200 / 1200C	3.50 (88.90)	3.81 (96.77)	73.4 (1200)	9:1	not stated	72 @ 4000	
	1200S	3.50 (88.90)	3.81 (96.77)	73.4 (1200)	10:1	not stated	76 @ 4000	
2003 ¹³⁾	883	3.00 (76.20)	3.812 (96.82)	53.86 (883)	9:1	not stated	49 @ 4500	
	1200	3.498 (88.85)	3.812 (96.82)	73.2 (1200)	9:1	not stated	68 @ 4000	
	1200S	3.498 (88.85)	3.812 (96.82)	73.2 (1200)	10:1	not stated	72 @ 4000	
2004 ¹⁴⁾	883	3.0005 (76.20)	3.812 (96.82)	53.9 (883)	8.9:1	not stated	51 @ 4000	
	1200	3.498 (88.85)	3.812 (96.82)	73.2 (1203)	9.7:1	not stated	79 @ 3500	
2005-2006 ^{15) 16)}	883	3.00 (76.20)	3.81 (96.82)	53.86 (883)	8.9:1	not stated	51 @ 4300	
	1200	3.50 (88.85)	3.81 (96.82)	73.2 (1200)	9.7:1	not stated	79 @ 3500	
2007-2008 ^{17) 18)}	883	3.00 (76.20)	3.81 (96.77)	53.86 (883)	8.9:1	not stated	55 @ 3500	
	1200	3.50 (88.9)	3.81 (96.77)	73.2 (1200)	9.7:1	not stated	79.1 @ 4000	
2009-2010 ^{19) 20)}							55 @ 3500	
North America	883	3.000 (76.20)	3.812 (96.82)	53.89 (883.10)	8.9:1	not stated		
World							51.29 @ 3750	
Japan							49.07 @ 3500	

North America							79 @ 4000	
World	1200	3.500 (88.90)	3.812 (96.82)	73.4 (1202.81)	9.7:1	not stated	72.26 @ 3200	
Japan							66.19 @ 3250	
North America							73.91 @ 4000	
World	XR1200	3.500 (88.90)	3.812 (96.82)	73.4 (1202.81)	10:1	not stated	72.43 @ 3600	
Japan							67.69 @ 3500	
2012-2013 ²¹⁾ ²²⁾	883	3.000 (76.20)	3.812 (96.82)	53.9 (883)	8.9:1	not stated	not stated	
	1200	3.500 (88.90)	3.812 (96.82)	73.4 (1202)	9.7:1	not stated	not stated	
	XR1200X	3.500 (88.90)	3.812 (96.82)	73.4 (1202)	10:1	not stated	not stated	
2015 ²³⁾	883	3.000 (76.20)	3.812 (96.82)	53.9 (883)	8.9:1	not stated	not stated	
	1200	3.500 (88.90)	3.812(96.82)	73.3 (1202)	10:1	not stated	not stated	
2016 ²⁴⁾	883	3.000 (76.2)	3.811 (96.8)	53.9 (883)	9:1	not stated	not stated	
	1200	3.500 (88.9)	3.811 (96.8)	73.4 (1202)	10:1	not stated	not stated	

Suspension Information

Year Model	Wheelbase	Overall Length	Overall Width	Overall Height	Road Clearance	Shipped Weight	GVWR	GAWR Front	GAWR Rear
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1993-1994 HD Sportster FSM pg 3-1

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1999 HD Sportster FSM pg 3-1

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11)

Thanks to bustert for his manual info - 2001 HD Sportster FSM pg 3-1

12)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?baseUrl=%2Fcontent%2Fdocument%2Fview%3Fid%3D90050&id=90050#af50fea8-217a-4373-9291-ab762ca964aa!!0!19>

13)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?baseUrl=%2Fcontent%2Fdocument%2Fview%3Fid%3D90016&id=90016#3768e0d6-cb19-4dbf-9a69-db0108d97aff!!0!21>

14)

2004 HD Sportster FSM pg 3-1

15)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?id=1270463000633846934¶meters=highlight%3D2001+sportster+owners+manual%26openProcedure%3D387727#379947!!1!4870>

16)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?id=1270463079767783574¶meters=highlight%3D2001+sportster+owners+manual%26openProcedure%3D387758#383301!!1!4878>

17)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?id=1270463196180695190¶meters=highlight%3D2001+sportster+owners+manual%26openProcedure%3D387787#496281!!1!4885>

18)

2008 HD Sportster FSM pg 3-1

19)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?id=1270463324979229849¶meters=highlight%3D2001+sportster+owners+manual%26openProcedure%3D498264#382146!!1!4913>

20)

2010 HD Sportster FSM pg 3-5

21)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?id=1270463880884065432¶meters=highlight%3D2012+sportster+owners+manual%26openProcedure%3D498264#381929!!1!4866>

22)

2013 HD Sportster FSM pg 3-5

23)

<https://serviceinfo.harley-davidson.com/sip/content/document/view?id=1270464662937233560¶meters=highlight%3D2011+sportster+owners+manual%26openProcedure%3D498264#382022!!1!4866>

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2016 HD Sportster FSM pg 3-3

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