

Table of Contents

EVO: Suspension	1
Fork Oil for 1986-Present Front Forks	1

[Go To Technical Menu](#)

EVO: Suspension

Fork Oil for 1986-Present Front Forks

Typically, the fork oil is replaced with the forks on the bike. One fork at a time, the drain screw is removed and the forks are exercised to 'pump' the oil from the fork. Then the drain screw is replaced and a specific amount of fork oil is poured back into the fork.

The MoCo specifies the proper quantity of oil to use in the forks based on the fork design, ie., length of the sliders, slider travel distance, etc.

If the forks are removed from the bike and serviced, replacement of the fork oil is specified by the MoCo in two different terms. It is specified as to quantity (ounces) but is also specified by then measuring the distance the fork oil is down from the top of the slider tube. This measurement is taken with the fork spring removed and the slider & leg compressed together.

Both measurements are found below.

The MoCo specifies HD Type B or E (and respective equivalents) fork oil depending on year/model.

Year Model	Fork Oil Type	Fork Oil Amount (Wet)	Fork Oil Amount (Dry)		
1984-1987 all models	HD Type "E" (99884-80). ^{1) 2)}	5.4 fl oz (160CC) ^{3)4) 5)}	6.4 fl oz (189CC) ⁶⁾⁷⁾⁸⁾		
1988-1996, 1998-2000, 2003-2004 (All except 1992-1998 883 Hugger)	HD Type "E" (99884-80)	9 fl oz (266CC) ^{9)10) 11) 12) 13) 14) 15)16) 17) 18)}	10.2 fl oz (302CC) ^{19)20) 21)22)23) 24)}		
1992-1998 883 Hugger ²⁵⁾	HD Type "E" (99884-80). ^{26) 27) 28)29) 30) 31)}	10.7 fl oz (316CC) ^{32) 33)34) 35)}	12.1 fl oz (358CC) ^{36) 37)38) 39)}		
Year Model	Fork Oil Type	Amount Per Side		Measurement Down	
		Oz	ml	In	mm
2005-2006 all models (except 883L) ^{40) 41)42)}	HD Type "E" (99884-80)	11.6	342 ⁴³⁾⁴⁴⁾	5.75	146 ⁴⁵⁾⁴⁶⁾
2005-2006 883L ⁴⁷⁾⁴⁸⁾	HD Type "E" (99884-80)	12.3 ⁴⁹⁾⁵⁰⁾⁵¹⁾	364 ⁵²⁾⁵³⁾	4.80 ⁵⁴⁾⁵⁵⁾	122 ⁵⁶⁾⁵⁷⁾
2008 all models (except 883L, 1200L, 1200N)	HD Type "E" (99884-80)	11.6	342	5.75	146
2008 883L, 1200L, 1200N	HD Type "E" (99884-80)	12.3	3.64	4.80	122

2009 all models (except 883L, 1200L, 1200N)	HD Type "E" (99884-80)	11.6	342	5.75	146
2009 883L, 1200N	HD Type "E" (99884-80)	13.6	401	3.11	79
2009 1200L	HD Type "E" (99884-80)	12.3	364	4.80	122
2010 all models (except 883L, 883N, 1200N)	HD Type "E" (99884-80)			5.75	146
2010 883L, 883N, 1200N	HD Type "E" (99884-80)			3.11	79
2010 1200L	HD Type "E" (99884-80)			4.80	122
2013 883L	HD Type "E" (99884-80)	12.3	364	4.80	122
2013 883N	HD Type "E" (99884-80)	13.6	401	3.11	79
2013 883R	HD Type "E" (99884-80)	12.4	366	4.92	125
2013 1200V	HD Type "E" (99884-80)	12.4	366	4.92	125
2013 1200C, C Aniv, CP, CA, CB	HD Type "E" (99884-80)	12.4	366	4.72	120
2013 1200X	HD Type "E" (99884-80)	11.4	337	6.34	161
	HD Type "E" (99884-80)				
	HD Type "E" (99884-80)				
	HD Type "E" (99884-80)				
	HD Type "E" (99884-80)				
	HD Type "E" (99884-80)				
	HD Type "E" (99884-80)				

For more information, refer to the Sportsterpedia REF Section on [Fork Oil](#).

Go To Technical Menu

- 1) [30\)](#)
Clymer Repair Manual for Sportsters 1959-1985 pg 83
- 2) [5\)](#) [8\)](#) [25\)](#) [31\)](#) [35\)](#) [39\)](#)
Haynes Service Manual for Sportsters 1970-2010 pg 1.3
- 3) [6\)](#)
1986 - 1988 HD Sportster FSM pg 2-44
- 4) [7\)](#)
1979-1985 HD Sportster FSM pg 2-47
- 9) [19\)](#)
2004 HD Sportster FSM pg 2-1
- 10) [20\)](#)
2003 HD Sportster FSM pg 2-1
- 11)
2000 HD Sportster FSM pg 2-1
- 12)
1999 HD Sportster FSM pg 2-1
- 13) [26\)](#) [32\)](#) [36\)](#)

1998 HD Sportster FSM pg 2-1

14) 27)

1995-1996 HD Sportster FSM pg 2-1

15) 21) 28) 33) 37)

1993 - 1994 HD Sportster FSM pg 2-46

16) 22) 29) 34) 38)

1991 - 1992 HD Sportster FSM pg 2-41

17) 23)

1986-1988 HD FSM pg 2-47

18)

1986 - 1990 HD Sportster FSM pg 2-48

24)

1988 - 1990 HD Sportster FSM pg 2-48

40) 50)

Thanks to IXL2Relax for FSM info

41) 43) 45) 47) 49) 52) 54) 56)

2005 HD Sportster FSM pg 2-1

42) 44) 46) 48) 51) 53) 55) 57)

2006 HD Sportster FSM pg 2-1

From:

<http://sportsterpedia.com/> - **Sportsterpedia**

Permanent link:

<http://sportsterpedia.com/doku.php/techtalk:evo:susp04>

Last update: **2018/01/11 23:54**

