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EVO: Wheels, Brakes & Tires

(Be sure to also check the REF section)

Axles & Bearing Parts

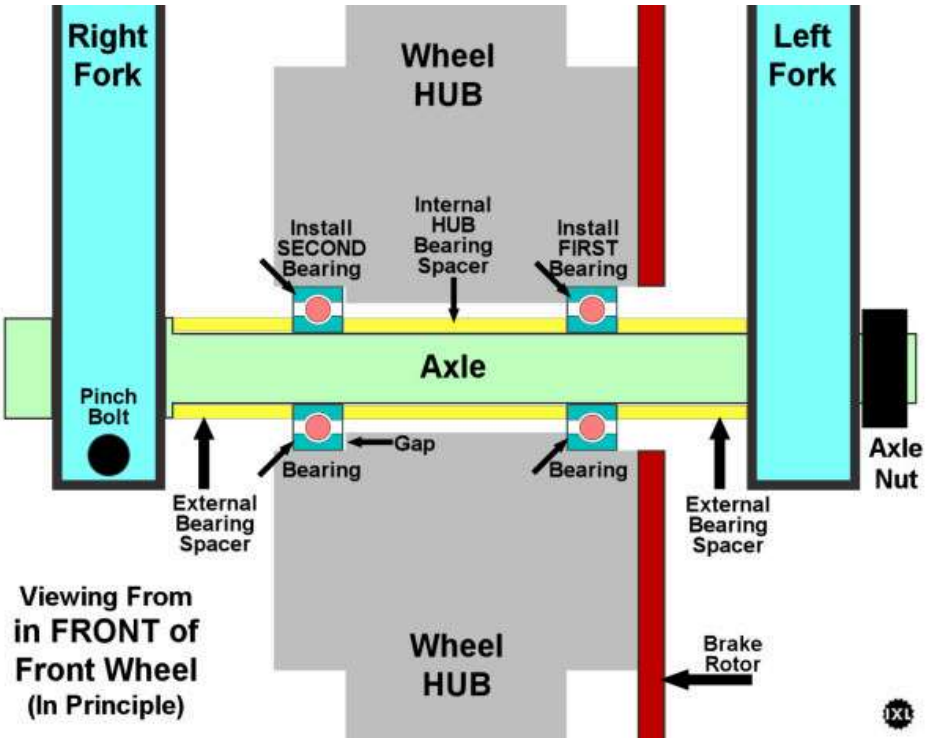
Bearing Concepts

Front Wheel Sealed Bearing Example

This is not a step-by-step install instruction. It is rather an explanation of the principles involved in placement of the bearings & spacers plus the overall concept of alignment.

Remember, the fork legs & axle produce an assembly in which all the spacers & the inner races of both bearings are clamped together but none of those parts rotate or move during operation. The bearing outer races are also fixed parts, pressed into the wheel hub. The roller or ball bearings between the inner & outer races of the wheel bearing are the real moving parts. Be sure you service these bearings well as the proper operation of each wheel is critical to your safety while riding.

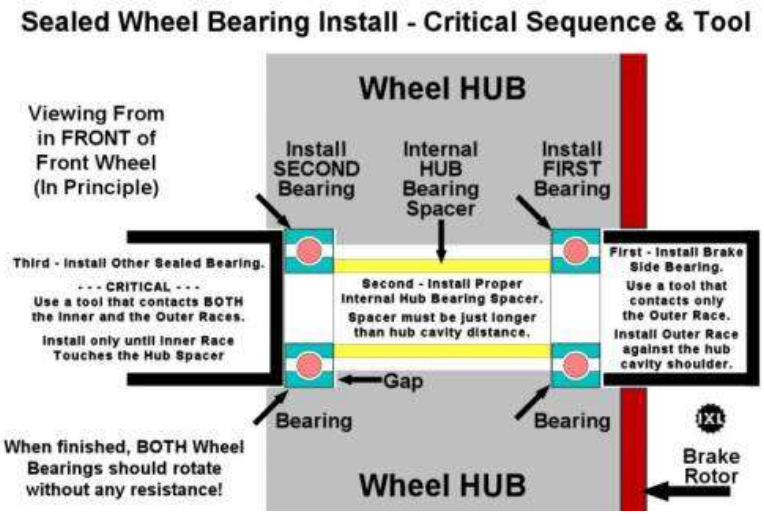
Here is a general diagram of the front wheel in the forks with various parts identified. This illustration uses sealed-bearings but the operational concepts apply to use of Timken bearings (with shims) as well.



1)

When installing sealed bearings, install the brake-side first so that the bearing is fully seated in the hub. This helps to keep the brake rotor alignment in conjunction with the external bearing spacer. Then place the internal hub spacer into the wheel and install the other bearing. Be sure that the internal hub bearing spacer is a few thousandth longer than the spacing of the hub bearing seats. This guarantees that the hub spacer will be in full contact with the inner race of the 2nd bearing and the bearing will not be laterally loaded (under tension). The outer race of the 2nd bearing should NOT fully seat against the hub cavity - You must stop the bearing insertion when the inner race of the 2nd bearing comes in contact with the hub spacer.

Notice in the diagram that there is a small GAP between the outer race of the 2nd bearing (right-side of forks) and the seat of the hub cavity. This is important to maintain (as described above) to prevent laterally loading the bearing. The goal is to never put differential lateral forces on the inner vs outer races while installing the bearing. We don't want to damage either the balls themselves or their races by causing the inner race to go one way while the outer race is pushed or held the other way.



2)

When re-installing the wheel to the forks, the axle will slip completely thru the right-side fork. It will clamp all the parts - the external spacer, the right-side bearing inner race, the hub spacer, the left-side bearing inner race and the second external spacer - to the left-side fork. At this point, when you tighten the nut on the axle, the wheel assembly is only clamped to the left-side fork. The right-side fork is then clamped to the wheel assembly by the Pinch Bolt which now allows both forks to support the front wheel assembly. This process allows the forks to rotate individually and align themselves to the axle.

If you are changing from a stock wheel, be sure your external and internal spacers are properly sized. The inner spacer must be **a few thousandth longer** than the measured distance between the two bearing cavities of the hub. The external spacers need to be the correct length to properly align the brake rotor with the brake caliper and also to center the wheel between the forks.

Take Note:

- Custom bearings can be found to match a wheel to an axle size (and there are OEM kits for 2000-later wheels) but the original bearings varied in width - Timken, 4-Seal Single-Row (4SSR) Sealed Bearing and 2-Seal Single-Row (2SSR) Bearing. This also means that internal & external spacer lengths varied.
  - The difference between two 15mm bearings & two 21mm bearings is 12mm = .472“
- If placing a 4SSR bearing (21mm wide) in a wheel designed for 2SSR bearings (15mm hub cavity), you will have 6mm of the bearing outside the hub face (meaning the centerline of the bearing is 3mm more outward).[3] There is no collected data on whether this configuration represents a problem, but it would seem that, when properly spacered and clamped on the axle, this variation should be functional. Safety is the responsibility of each rider.
  - See this XLForum thread [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/rubber-mount-sportster-motorcycle-talk-2004-2006/184423-2006-to-2013-rear-wheel-swap?t=1979985].

Installing 21mm-wide 4SSR bearing in 2008-later wheel (which has only 15mm-deep hub bearing cavity).

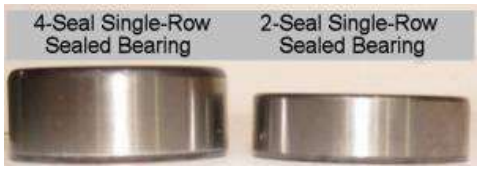
This shows the 6mm extra width that protrudes outside the narrower hub bearing cavity.

2000-later Sealed Wheel Bearings - Variations

Beginning in 2000, the Moco used sealed wheel bearings on all Sportster models (previous years used Timken Bearings). There were two basic styles of sealed bearings - 4-Seal Single-Row Ball Bearings (4SSR) and 2-Seal Single Row Ball Bearings (2SSR).

Front	Rear	Identification
2000-2007 4SSR – 3/4” Axle	2000-2004 4SSR – 3/4“ Axle	4SSR Bearings are 21mm wide
	2005-2007 4SSR – 1” Axle	
2008-later 2SSR - 25mm Axle	2008-later 2SSR - 25mm Axle	2SSR Bearings are 15mm wide

4)



These images, supplied by Multihdrdr of the XLForum.net, illustrate the make-up of the 4SSR-type bearings:

5)

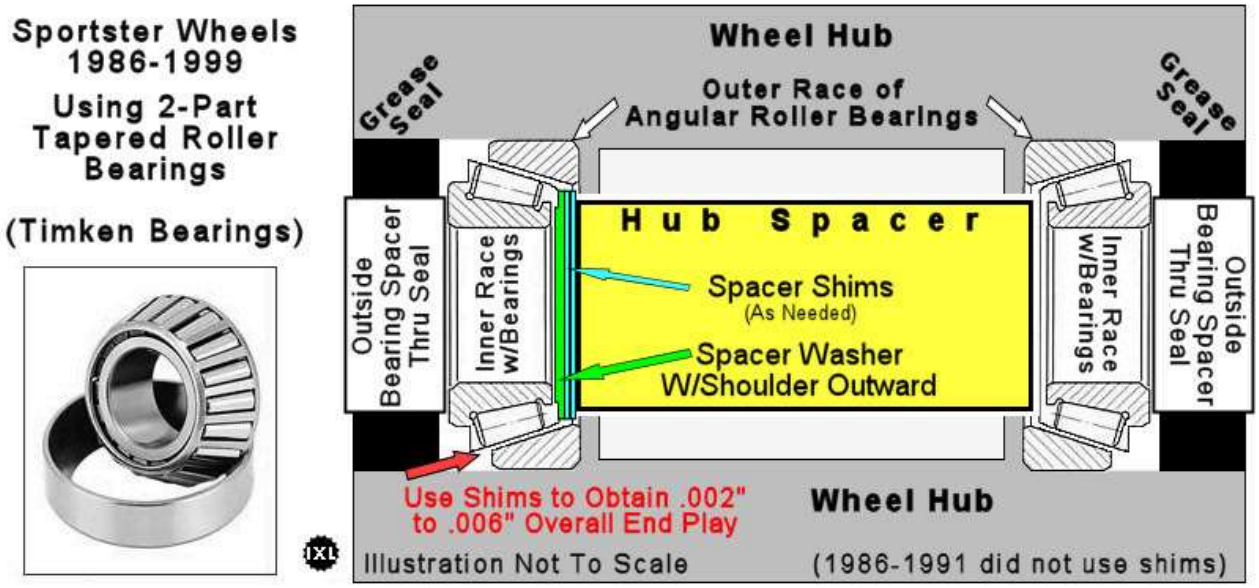
Multihdrdr goes on to say: “Besides being good quality bearings, I believe the seal arrangement contributes greatly to their longevity. The outer seal (on each side) is fixed to the stationary inner race and seals against the rotating outer race whereas the inner seal is fixed to the outer race and seals against the inner race with some grease between the seals. This creates a tough path for water and grit to arrive at the balls and races.”

The wheels that were supplied during these various years had hub bearing cavities to match the bearings - a 21mm deep hub cavity from 2000-2007 for 4SSR bearings and a 15mm deep hub cavity from 2008-onward for the 2SSR bearings.

Check out the section below about 'Conversion Bearings & Spacers' to see that all 2000-later wheels can accomodate bearings for 3/4“, 1” or 25mm axles.

End Play on Tapered Roller Bearings (AKA Timken Bearings)

Timken Tapered Bearings are a 2-piece angular roller bearing. This type wheel bearing was used up thru 1999, after which, unitized sealed bearings replaced them.



The first part is a simple outer race while the second part is not only the inner race but includes the roller bearings in a cage. When installed, in addition to using the two bearing sets, there is a hub spacer, a spacer washer and, possibly, SHIM washers. Because there must be a precise space between the inner & outer races of each bearing set, shims are used in setting that precise distance.

The outer races are simply installed fully into the hub cavity on each side of the wheel. Then, on the brake rotor side, the selected shims are installed (contacting the counterbore), followed by the spacer washer, then the inner bearing race (with rollers) and the oil seal. On the opposite side of the wheel, you must insert the hub spacer (to fully contact shim washers), then the 2nd inner bearing race (with rollers) followed by the oil seal. Then the proper outside bearing spacers are inserted through the center of the oil seals to make contact with the inner races on each side. Early models use a mechanical speedo drive unit on the front wheel as an outer bearing spacer.

When assembled, between the front forks (or rear swingarm), the axle clamps the assembly together. The installed shims will create a gap between the inner & outer races to create the End Play (the ability of the wheel to move horizontally on the axle). You must check the End Play after clamping the axle components to be sure you are within the specs (typically, .002“ to .006” combined total for End Play of the assembly). Check your factory manual for the recommended procedure.

The 1991-earlier stock models used a selection of different length center hub spacers to adjust End Play of the Timken bearings but did not use additional SHIMs. See the Center Hub Spacers listed below.

Additional Reading

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/183419-fxr-wheels-to-sporty-swap?t=1973858 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/183419-fxr-

wheels-to-sporty-swap?t=1973858]
https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/134980-front-axle-help-needed?t=1457354 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/134980-front-axle-help-needed?t=1457354]
https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/54134-front-wheel-bearings?t=257343 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/54134-front-wheel-bearings?t=257343]

Also:

ReddTigger - https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/148088-center-spacer-too-big-for-rear-hub?t=1608830https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/148088-center-spacer-too-big-for-rear-hub?t=1608830 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/148088-center-spacer-too-big-for-rear-hub?t=1608830https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/148088-center-spacer-too-big-for-rear-hub?t=1608830]
Decman - - - https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/166497-wheel-bearing-upgrade?t=1788732 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/166497-wheel-bearing-upgrade?t=1788732]
Folkie - - - https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-transmission-clutch-primary-secondary-drive/151420-rear-axle-diameter?t=1635642 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-transmission-clutch-primary-secondary-drive/151420-rear-axle-diameter?t=1635642]

Front Axles & Bearings

Bearing 9276B (South Korea) replaced 9276A (South Korea) around 2017.
Bearing 9252A (South Korea) has a gray seal and replaced 9252 (Canada in 2013, Mexico in 2015) which has a tan seal. [6)]
Bearing 9252A installs with the red side inboard and the gray side outboard, towards the installation tool.
The SKF bearing replacement for HD 9276B is 6205 2RSJEM (25x52x15 deep groove, double sealed, C3). [7)]

(From HD Parts Catalogs and online fiche sources [8)] unless noted otherwise)

Front Axles

- The same axle is used for dual disc / single disc wheels as well as cast / spoked wheels within the same wheel year models (not bike year models).

Cast or Laced Wheels [9) 10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21)]			
Ref #	**Part #**	**Size**	**Kit Includes**
A01	**43883-84** 1984-1987	**3/4“**	**Axle Only.** Also required are (6653) axle washer (7022) lock washer (7813) nut.
	Additional Information		
A02	**43895-87** 1988-1996	**3/4” Steel** **Threads**: 1/2“ x 20	**Axle Only.** Also required are (6590HW) axle washer (7068) lock washer (7845) Standard nut w / 3/4” socket head.
	Additional Information	**Head Dia**: 0.869”, **Head Length**: 2.720“, **Usable shaft Length**: 4.940” **Shaft Dia**: 0.7485“ **@ bearing surfaces**, 0.7435” **@ center hub spacer.** **Shoulder Dia**: 0.667“, **Length**: 1.300”, **Overall length**: 9.850“, **Weight** (axle only): 1.180 lbs.	
A03	**43895-87A** 1997	**3/4”**	**Axle Only.** Also required are (6590HW) axle washer (7068) lock washer (7845) nut.
	Additional Information		
A04	**43895-87B** 1998-1999 **All wheels**	**3/4“ Stainless Steel** **Threads**: 1/2” x 20	**Axle Only.** Also required are (**6590HW**) axle washer (**7068**) lock washer (**7956**) nut. (Flange nut 11/16“ socket head) (Standard nut 3/4” socket head)
	Additional Information	**Head Dia**: 0.869“, **Head Length**: 2.715”, **Usable shaft Length**: 4.975“ **Shaft Dia**: 0.7485” **@ bearing surfaces**, 0.7435“ **@ center hub spacer.** **Shoulder Dia**: 0.667”, **Length**: 1.300“, **Overall length**: 9.850”, **Weight** (axle only): 1.175 lbs.	
A05	**43895-00** 2000-2007 **All wheels**	**3/4“ Stainless Steel** **Threads**: 1/2” x 20	**Axle Only.** Also required are (**6590HW**) axle washer (**7068**) lock washer (**7956**) nut. (Flange nut 11/16“ socket head) (Standard nut 3/4” socket head)

Cast or Laced Wheels [9) 10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21)]			
	Additional Information	Same dims as A04 except Head Length **Head Dia**: 0.869“, **Head Length**: 2.546”, **Usable shaft Length**: 5.125“, **Shaft Dia**: 0.7485”, **@ bearing surfaces**, 0.7435“ **@ center hub spacer.** **Shoulder: Dia**: 0.667”, **Length**: 1.300“, **Overall length**: 9.850”, **Weight** (axle only): 1.180 lbs**.**	
A06	**43895-08** 2008-2013 **All wheels except**: 16“ & 18” cast 3, 5, 9 spoke, 16“ Laced	**25 mm**	**2008 Axle Only.** Also required are **(6594)** axle washer **(7068)** lock washer **(7813A)** 5/8”-18 x 9/16“ x 15/16” head - nut [22)]**.** **2009 and up Axle Only.** Also required are (6594) axle washer (7813A) 5/8“-18 x 9/16” x 15/16“ head - nut [23)]
	Additional Information		
A07	**41628-08** 2009-2022 **All** 16” & 18“ cast 3, 5, 9 spoke, 16” laced only	**25mm**	**Axle Only.** Also required are **(6594)** axle washer **(7813A)** 5/8“-18 x 9/16” x 15/16“ head - nut [24)]
	Additional Information		
A08	**43000001** 2014-2016 **All wheels except**: 16” & 18“ cast 5, 9 spoke 16” laced	**25mm**	**Axle Only.** Also required are **(6594)** axle washer **(7813A)** 5/8“-18 x 9/16” x 15/16“ head - nut [25)]
	Additional Information		

Pics (Front Axles)

Click on a pic to enlarge:

Used 1988-1996 Front Steel Axle 43895-87 [26)]

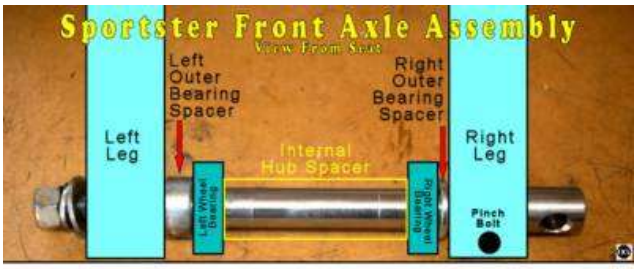
Used 1998-1999 3/4” Front Stainless Steel Axle 43895-87B [27)]

Used 2000-2007 3/4“ Front Stainless Steel Axle 43895-00 [28)]

Front axle comparison: 98-99 (back) vs 00-07 (front) [29)]
Pics skewed / Same overall length w/ longer head

This example is for 2000-later sealed bearings.

With earlier Timken-type bearings, the outer bearing spacer will insert thru the oil seal to reach the inner bearing race.



Front Axle Bearings

Factory Information - Front, Cast or Laced Rear Wheels					
B01	HD Part #	**1986-1999 Model Year Front Bearing Info**			
	9052 (2)	Bearing ID/Type	OD	Width[30)]	AxleType/Threads/WrenchSize
		3/4” Timken	1.781“	.655”	Solid - 5/8-18UNF - 15/16Nut&Head
		Hub Spacer = ID=????“ … OD=????” … Length=????“			
		Bearing Outer Race - OD: 1.781” - ID: 1.405“ - Width: .475”			
		Bearing Inner Race Assy - Cage OD: 1.534“ - Rollers OD: 1.566” - ID: .750“ - Width: .655”			
	47519-83A (2)	Wheel Bearing Oil Seal - OD: 1.781“ - ID: 1.110” - Width: .410“ - Fits in hub after bearing installed			
B02	HD Part #	**2000-2007 Model Year Front Bearing Info**			
	9267 (2)	Bearing ID/Type	OD	Width	AxleType/Threads/WrenchSize
		3/4” Sealed 4SSR	52mm	21mm	Solid - 5/8-18UNF - 15/16Nut&Head
		Hub Spacer = ID=????“ … OD=????” … Length=????“ Length may be same as 2005-07			
B04	HD Part #	**2008-2011 Model Year Front Bearing Info**			
	9276 (2)	Bearing ID/Type	OD	Width	AxleType/Threads/WrenchSize
		25mm Sealed 2SSR	52mm	15mm	Hollow - 24x2mm - 28mm Nut&Head (1-1/8Nut&Head)
		Hub Spacer = ID=? … OD= … Length=			

B05	HD Part #	**2012-2016 Model Year Front Bearing Info**			
	9276A (2)	Bearing ID/Type	OD	Width	AxleType/Threads/WrenchSize
		25mm Sealed 2SSR	52mm	15mm	Hollow - 24x2mm - 36mmNut . 28mmHead (1-7/16Nut.1-1/8Head)
		Hub Spacer = ID=26mm (1.0??") … OD=32mm (1.25") … Length=133mm (5.250")			
B06	HD Part #	**2014-2016 Model Year w/ ABS Front Bearing Info**			
	9276A (1) 9252 (1)	Bearing ID/Type	OD	Width	AxleType/Threads/WrenchSize
		25mm Sealed 2SSR	52mm	15mm	Hollow - 24x2mm - 36mmNut . 28mmHead (1-7/16Nut.1-1/8Head)
		Hub Spacer = ID=26mm (1.0??") … OD=32mm (1.25") … Length=133mm (5.250")			
		9252 bearing has an ABS encoder			
		4SSR=21mm Wide with 2 Seals/side = 4 total Seals – 2SSR=Single-Row Ball Bearing - 1 Seal/side			

*Ref: https://cad.timken.com/item/tapered-roller-bearings-ts-tapered-single-/tapered-roller-bearings-ts-tapered-single-imperi-2/item-27295
[https://cad.timken.com/item/tapered-roller-bearings-ts-tapered-single-/tapered-roller-bearings-ts-tapered-single-imperi-2/item-27295]

31)

Front Hub Spacers

H01	ALL 19" CAST 9 SPOKE OR LACED FRONT WHEEL - Uses 2, (9052) 2-Piece 3/4" Timken Tapered Roller Bearings	
1979-1991	HD PART #	CENTER HUB BEARING SPACER (no flange)
	43623-78	Length - 2.564" (Violet) 32) 33)
	43624-78	Length - 2.550" (Pink)34) 35)
	43625-78	Length - 2.536" (Gold) 36) 37)
H02	ALL 19" CAST 9, 13 SPOKE OR 19", 21" LACED FRONT WHEEL - Uses 2, (9052) 2-Piece 3/4" Timken Tapered Roller Bearings	
1992-1999	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43613-92	Length - 2.424" 38)
	HD Part #	CENTER SPACER SHIMS for Setting 3/4" Timken Bearing End Play - ID=3/4" OD=1-3/8" 39)
	43290-82	0.032" thick40)
	43291-82	0.016" thick41)
	43292-82	0.008" thick42)
	43293-82	0.004" thick43)
	43294-82	0.002" thick44)
	HD Part #	**SPACER SHOULDER WASHER**
	43650-82	ID=3/4" Thickness=.095" LgOD=1-3/8" SmOD=1" 45)46)
H03	ALL 19" CAST 13 SPOKE, OR 19", 21" LACED FRONT WHEEL - Uses 2, (9267) 1-Piece 3/4" Sealed Roller Bearings	
2000-2007	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43613-00	ID=3/4" Length=3.040" 47) 48) 49) 50) 51) 52) 53)
H04		
H05	ALL 19" CAST 13 OR 9 SPOKE, 19" OR 21" LACED OR PROFILE LACED FRONT WHEEL - Uses 2, (9276) '08-'11 / (9276A) '12-'13 25 mm Ball Bearings Uses 1 right (9276A) '14 & up and either 1- left (9276A) non ABS or 1- left (9252) w/ ABS 25 mm Ball Bearings	
2008-2016	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43906-08	ID=25mm Length=2.980" 54) 55) 56) 57) 58) 59) 60) 61) 62) 63) Will not work w / cast 3 / 5 spoke or 16" laced wheels

H06	18” CAST 3 SPOKE FRONT WHEEL - Uses 2, (9276) '09-'11 / (9276A) '12-'13 25 mm Ball Bearings	
2009-2013	HD Part #	CENTER HUB BEARING SPACER (no flange)
	41748-08	ID=25mm Length=3.858 64) 65) 66) 67)68)69)
H07	ALL 16“ OR 18” CAST 5 SPOKE FRONT WHEEL - Uses 2, (9276) '11 / (9276A) '12-'13 25 mm Ball Bearings Uses 1 right (9276A) '14 & up and either 1- left (9276A) non ABS or 1- left (9252) w/ ABS 25 mm Ball Bearings	
2011-2016	HD Part #	CENTER HUB BEARING SPACER (no flange)
	11888	ID=25mm Length=4.104“ 70) 71) 72) 73) 74) 75) 76)
H08	ALL 16” LACED FRONT WHEEL - Uses 2, (9276) '10-'11 / (9276A) '12-'13 25 mm Ball Bearings Uses 1 right (9276A) '14 & up and either 1- left (9276A) non ABS or 1- left (9252) w/ ABS 25 mm Ball Bearings	
2010-2016	HD Part #	CENTER HUB BEARING SPACER (no flange)
	11888	ID=25mm Length=4.104“ 77) 78) 79) 80) 81) 82) 83) 84)
H09	16” CAST 9 SPOKE FRONT WHEEL Uses 1 right (9276A) '16 & up and either 1- left (9276A) non ABS or 1- left (9252) w/ ABS 25 mm Ball Bearings	
2016	HD Part #	CENTER HUB BEARING SPACER (no flange)
	11888	ID=25mm Length=4.104“ 85) 86)

87)

88)

Front Outside Bearing Spacers

	Against Left Bearing	Against Right Bearing	Year Model Info
BS01	**67127-84A** steel Speedometer Pickup ID: 0.753” … OD: 1.125“ Width: 0.930” nominal	**43358-83A** steel ID: 0.752“ … OD: 1.125” Width: 0.380“	**1986-1994** Cast or Laced Front Wheel
BS02	**43617-95** steel ID: 0.753” … OD: 1.125“ Width: 0.930”	**43358-83A** steel ID: 0.752“ … OD: 1.125” Width: 0.380“	**1995-1999** 19” Cast 13 Spoke or 19“ / 21” Laced Front Wheel
BS03	**43617-00A** alum. ID: 0.762“ … OD: 1.125” Width: 0.520“	**43358-00** alum. w/ 3 'V' notches ID: 0.762” … OD: 1.125“ Width: 0.140”	**2000-2007** 19“ Cast 13 Spoke or 19” / 21“ Laced or Profile Laced Front Wheel Sizes based on this XLForum Thread [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/81523-00-05-front-wheel-spacer-width?t=600256]
BS04			
BS05	**43522-08** ID: 1.000” … OD: 1.480 Width: 0.648	**43358-08** ID: 1.000“ … OD: 1.480 Width: 0.317	**2008-2013** 19” Cast 13 Spoke or 19“ / 21” Laced or Profile Laced Front Wheel
BS06	**11804** ID: 1.000“ … OD: 1.480 Width: 0.981	**11804** ID: ID: 1.000” … OD: 1.480 Width: 0.981	**2009-2013** 18“ Cast 3 Spoke Front Wheel **2011** 18” Cast 5 Spoke Front Wheel

	Against Left Bearing	Against Right Bearing	Year Model Info
BS07	**41242-08** (non ABS) ID: 1.000“ … OD: 1.480 Width: 0.736	**43358-08** ID: 1.000” … OD: 1.480 Width: 0.317	**2014-2016** 19“ Cast 9 / 13 Spoke or 21” Laced Front Wheel
BS08	**41100024** (with ABS) Sensor Ring Width (Nom): 0.736	**43358-08** ID: 1.000“ … OD: 1.480 Width: 0.317	**2014-2016** 19” Cast 9 / 13 Spoke or 21“ Laced Front Wheel
BS09	**41242-08** (non ABS) ID: 1.000” … OD: 1.480 Width: 0.736	**11804** ID: 1.000“ … OD: 1.480 Width: 0.981	**2012-2016** 18” Cast 5 spoke **2012-2016** 16“ Cast 5 spoke **2016** 16” 9 spoke **2010-2016** 16“ Laced Front Wheel
BS10	**41100024** (with ABS) Sensor Ring Width (Nom): 0.736	**11804** ID: 1.000” … OD: 1.480 Width: 0.981	**2014-2016** 18“ Cast 5 spoke **2014-2016** 16” Cast 5 spoke **2016** 16“ 9 spoke **2014-2016** 16” Laced Front Wheel
2014-later: Sensor Ring Spacer is part of the ABS sensor 41100024 (used instead of the 41242-08 spacer).			
See the REF section for some spacer widths: HERE			
Aftermarket spacers are available in various sizes - such as here: http://vulcanworks.net/Axle-Spacers-orderby0-p-1-c-3.html [http://vulcanworks.net/Axle-Spacers-orderby0-p-1-c-3.html] If you purchase/make alternative parts, be sure you know what you are doing - Your life may depend on it!			

Pics (Front OBS)

(L) 43617-95 - (R) 43358-83A [89]	1995-1999 External Front Wheel Spacers

Rear Axles & Bearings

(From HD Parts Catalogs and online fiche sources [90] unless noted otherwise)

Rear Axles

Cast or Laced Wheels [91] [92] [93] [94] [95] [96] [97] [98] [99] [100] [101] [102] [103] [104] [105] [106] [107] [108] [109] [110] [111] [112] [113] [114] [115]			
Ref #	**Part #**	**Axle Size**	**Kit Includes**
A21	**41563-77** 1979-1988 **All wheels**	**3/4“ dia**	**Axle Only.** Also required are **(6653)** axle washer, **(7022)** lock washer & **(7986)** nut
	Additional Information		
A22	**41563-77A** 1989-2003 **All Wheels**	**3/4” dia steel** (0.7385“) 15/16” hex head **Threads**: 5/8“x18	(**5756**) axle spacer washer, (**7987**) castle nut w/ 15/16” hex head (**511**) cotter pin

Cast or Laced Wheels [91) 92) 93) 94) 95) 96) 97) 98) 99) 100) 101) 102) 103) 104) 105) 106) 107) 108) 109) 110) 111) 112) 113) 114) 115)]			
	Additional Information	**Usable shaft Length**: 10.185", **Overall Bolt Length**: 11.425", **Weight** (axle only): 1.490 lbs.	
A23	**41110-89** 2004 **All Wheels**	**3/4" dia** (0.7385")	**(5756)** axle spacer washer, **(7987)** castle nut w / 3/4" hex head **(508)** cotter clip
	Additional Information		
A24	**41176-05** 2005-2007 **All Wheels**	**1" dia steel** (0.9975") 1-1/8" (28mm) Hex Head **Threads**: 3/4"x16	(**40582-05**) axle spacer washer, (**8039**) flange nut w/ 1-1/8" (28mm) hex head (**41296-05**) retaining ring
	Additional Information	**Usable shaft length**: 11.120", **Overall Bolt Length**: 12.350", **Weight** (axle only): 2.830 lbs.	
A25	**41176-08** 2008-2016 **All except cast 3 spoke**	**25mm dia steel** (0.982") 1-1/8" (28mm) Hex Head [116) 117)] **Threads**: M24x ? (O.D.: 0.936")	**(6551)** axle washer, **(8190)** flange nut w/ 1-1/4" (36mm) hex head [118)] **(41229-08)** retaining ring
	Additional Information	**Usable shaft length**: 11.120", **Overall Bolt Length**: 12.512", **Weight** (axle only): 1.685 lbs. Hollow center with stepped hole, 0.630", right side thru to left beginning of threads, then stepped to .0530" under threads to the end of axle	
A26	**41627-08** 2009-2013 **Cast 3 spoke only**	**25mm dia steel** (0.982") (1-1/8") (28mm) socket [119) 120)]	**(6551)** axle washer, **(8190)** flange nut w/ 1-1/4" (36mm) hex head [121)] **(41229-08)** retaining ring
	Additional Information		

Pics (Rear Axles)

Used 1989-2003 3/4" Rear Steel Axle 41563-77A [122)]

Used 2005-2007 1" Rear Steel Axle 41176-05 [123)]

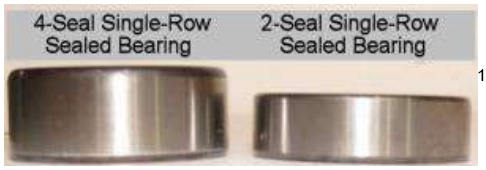
Used 2008-2017 25mm Rear Axle 41176-08 [124)]

Rear Axle Bearings

- Custom rear bearings can be found to match a wheel to an axle size but the original bearings varied in width (Timken, Double-Sealed Bearing, Single-Row Bearing) - This also means that spacer lengths varied.
    - Note: Difference between two 15mm bearings & two 21mm bearings is 12mm = .472”
- Don't forget the Swingarm slots & Axle Adjusters need to match the axle diameter. Axle Adjusters changed from '04-earlier (centered) to '05-later (flush to inside)
- NOTE: If placing a 21mm width bearing in a wheel designed for bearings of 15mm width, you will have 6mm of the bearing outside the hub face (meaning the centerline of the bearing is 3mm more outward). There is no collected data on whether this configuration represents a problem, but it would seem that, when properly spacered and clamped on the axle, this variation should be functional. Safety is the responsibility of each rider.
    - See this XLForum thread [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/rubber-mount-sportster-motorcycle-talk-2004-2006/184423-2006-to-2013-rear-wheel-swap?t=1979985].

Factory Information - Rear, Cast or Laced Rear Wheels					
B21	HD Part #	**1986-1999 Model Year Rear Bearing Info**			
	9052 (2)	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize
		3/4“ Timken	1.781”	.655“	Solid - 5/8-18UNF - 15/16Nut&Head
		Hub Spacer = ID=????” … OD=????“ … Length=????”			
		Hub depth for bearing (expected to be .820) accommodates .400 width Oil Seal			
		*=Specs taken from Timken LM11910 / LM11949 Bearing Components			
	47519-83A (2)	Wheel Bearing Oil Seal - Fits in hub after bearing installed			
B22	HD Part #	**2000-2004 Model Year Rear Bearing Info**			
	9267 (2)	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize
		3/4“ Sealed 4SSR	52mm	21mm	Solid - 5/8-18UNF - 15/16Nut&Head
		Hub Spacer = ID=????” … OD=????“ … Length=????” Length may be same as 2005-07			
B23	HD Part #	**2005-2007 Model Year Rear Bearing Info**			
	9247 (2)	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize
		1“ Sealed 4SSR	52mm	21mm	Solid - 3/4-16UNF - 1-1/8Nut&Head
		Hub Spacer = ID=1.004” … OD=1.25“ … Length=4.812”			
B24	HD Part #	**2008-2011 Model Year Rear Bearing Info**			
	9276 (2)	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize
		25mm Sealed 2SSR	52mm	15mm	Hollow - 24x2mm - 28mm Nut&Head (1-1/8Nut&Head)
		Hub Spacer = ID=? … OD= … Length=			
B25	HD Part #	**2012-2016 Model Year Rear Bearing Info (without ABS)**			
	9276A (2)	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize
		25mm Sealed 2SSR	52mm	15mm	Hollow - 24x2mm - 36mmNut . 28mmHead (1-7/16Nut.1-1/8Head)
		Hub Spacer = ID=26mm (1.0??“) … OD=32mm (1.25”) … Length=133mm (5.250“)			
B26	HD Part #	**2014-2016 Model Year w/ ABS Rear Bearing Info**			
	9276A (1) 9252 (1)	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize
		25mm Sealed 2SSR	52mm	15mm	Hollow - 24x2mm - 36mmNut . 28mmHead (1-7/16Nut.1-1/8Head)
		Hub Spacer = ID=26mm (1.0??”) … OD=32mm (1.25“) … Length=133mm (5.250”)			
		9252 bearing has an ABS encoder			
		4SSR=21mm Wide with 2 Seals/side = 4 total Seals – 2SSR=Single-Row Ball Bearing - 1 Seal/side			

*Ref: https://cad.timken.com/item/tapered-roller-bearings-ts-tapered-single-/tapered-roller-bearings-ts-tapered-single-imperi-2/item-27295
[https://cad.timken.com/item/tapered-roller-bearings-ts-tapered-single-/tapered-roller-bearings-ts-tapered-single-imperi-2/item-27295]



125)

Rear Hub Spacers

H21	16“ CAST 9 SPOKE REAR WHEEL - Uses 2, (9052) 2-Piece 3/4” Timken Tapered Roller Bearings	
1986-1991 Chain Drive	HD PART #	CENTER HUB BEARING SPACER (no flange)
	43604-78	Length - 4.420“ (orange) [126] [127]
	43605-78	Length - 4.434” (yellow) [128] [129]
	43606-78	Length - 4.448“ (white) [130] [131]
H22	16” LACED REAR WHEEL - Uses 2, (9052) 2-Piece 3/4“ Timken Tapered Roller Bearings	
1986-1991 Chain Drive	HD PART #	CENTER HUB BEARING SPACER (with flange)
	43601-78A	Length - 4.420” (orange) [132] [133]
	43602-78A	Length - 4.434“ (yellow) [134] [135]
	43603-78A	Length - 4.448” (white) [136] [137]
H23	16“ CAST 9, 13 SPOKE REAR WHEEL - Uses 2, (9052) 2-Piece 3/4” Timken Tapered Roller Bearings	
1991-1999 Belt Drive	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43608-82 [138]	Length 4.308“
	HD Part #	CENTER SPACER SHIMS for Setting 3/4” Timken Bearing End Play
	43290-82	0.032“ thick [139] Tolerance 0.0300-0.0330” (0.76 mm-0.84 mm)
	43291-82	0.016“ thick [140] Tolerance 0.0150-0.0170” (0.38 mm-0.43 mm)
	43292-82	0.008“ thick [141] Tolerance 0.0075-0.0085” (0.190 mm-0.216mm)
	43293-82	0.004“ thick [142] Tolerance 0.0035-0.0045” (0.089 mm-0.114 mm)
	43294-82	0.002“ thick [143] Tolerance 0.0015-0.0025” (0.038 mm-0.064) mm [144]
	HD Part #	**SPACER SHOULDER WASHER**
	43650-82	ID=3/4“ Thickness=.095” LgOD=1-3/8“ SmOD=1” [145] [146]
When the bearings are installed, the bearing End Play (meaning the play between the outer race & the inner race/bearings) must be set as .002“ to .006” for overall assembly for proper operation & safety. Shims are used to create this End Play correction.		
H24	16“ LACED REAR WHEEL - Uses 2, (9052) 2-Piece 3/4” Timken Tapered Roller Bearings	
1991-1999 Belt Drive	HD Part #	CENTER HUB BEARING SPACER (with flange)
	43668-82 [147]	Length ??
	HD Part #	CENTER SPACER SHIMS for Setting 3/4“ Timken Bearing End Play
	43290-82	0.032” thick [148] Tolerance 0.0300-0.0330“ (0.76 mm-0.84 mm)
	43291-82	0.016” thick [149] Tolerance 0.0150-0.0170“ (0.38 mm-0.43 mm)
	43292-82	0.008” thick [150] Tolerance 0.0075-0.0085“ (0.190 mm-0.216mm)
	43293-82	0.004” thick [151] Tolerance 0.0035-0.0045“ (0.089 mm-0.114 mm)
	43294-82	0.002” thick [152] Tolerance 0.0015-0.0025“ (0.038 mm-0.064) mm [153]
	HD Part #	**SPACER SHOULDER WASHER**
	43650-82	ID=3/4” Thickness=.095“ LgOD=1-3/8” SmOD=1“ [154] [155]
When the bearings are installed, the bearing End Play (meaning the play between the outer race & the inner race/bearings) must be set as .002” to .006“ for overall assembly for proper operation & safety. Shims are used to create this End Play correction.		

H25	16" CAST SOLID / 13 SPOKE or 16" LACED REAR WHEEL Uses 2, (9267) 1-Piece Sealed Roller Bearings	
2000-2004 Belt Drive	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43608-00	ID=3/4" Length=4.810 [156) 157) 158) 159) 160) 161)]
H26	16" CAST SOLID / 13 SPOKE or 16" LACED REAR WHEEL Uses 2, (9247) 1-Piece Sealed Roller Bearings	
2005-2007 Belt Drive	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43517-00	ID=1" Length=4.810" [162) 163) 164) 165)]
H27	Includes 16" CAST SOLID / 13,9 SPOKE or 16" LACED / PROFILE LACED or 16", 17" CAST 5 SPOKE REAR WHEEL Uses 2, (9276) '08-'11 25 mm Ball Bearings. 2, (9276A) '12-'13 25 mm Ball Bearings. 1, (9276A) '14 & up and either 1- left (9276A) non ABS or 1- left (9252) w/ ABS 25 mm Ball Bearings.	
2008-2016 Belt Drive	HD Part #	CENTER HUB BEARING SPACER (no flange)
	43905-08	ID=26mm (1.0xx") … OD=32mm (1.25") … Length=133mm (5.250") [166) 167)168)169)170) 171) 172) 173) 174)]
Will not work with cast 3 spoke wheels		
H28	17" CAST 3 SPOKE REAR WHEEL Uses 2, (9276) '11, (9276A) '12-'13 25 mm Ball Bearings	
2009-2013 Belt Drive	HD Part #	CENTER HUB BEARING SPACER (no flange)
	41858-08	Length ?? [175) 176) 177) 178) 179)]

Rear Outside Bearing Spacers

	Against Left Bearing	Against Right Bearing	Against Right Spacer	Year Model Info
BS21	40906-82	40906-82	41606-77 - (3/4" long) [180)]	1986-1987 Cast or Laced Rear Wheel
BS22	43654-86A	43654-86A	41606-77 - (3/4" long) [181)]	1982-1987 Cast or Laced Rear Wheel
BS23	**43654-86A** ID: 0.07515" OD: 1.125" (1-1/8") Width: 0.728" (Nom 3/4")	**43654-86A** ID: 0.07515" OD: 1.125" (1-1/8") Width: 0.728"	**41594-73** ID: 0.07515" OD: 1.125" (1-1/8") Width: 0.643"	**1988-1999** Cast or Laced Rear Wheel
BS24	43654-00	40910-00	N/A	2000-2002 Cast or Laced Wheel
BS25	43654-00A	40910-00A	N/A	2003 Cast or Laced Wheel
BS26	**43654-00A** ID: 0.759" OD: 1.125 (Nom 1-1/8") Width: 0.473	**40930-04** ID: 0.759" OD: 1.250" (Nom 1-1/4") Width: 1.474"	N/A	**2004** Cast Rear Wheel
BS27	**41084-02A** ID: 1.003" OD: 1.377 (Nom 1-3/8") Width: 0.470	**40930-05** ID: 1.003" OD: 1.498" (Nom 1-1/2") Width: 1.472"	N/A	**2005-2007** Cast or Laced Rear Wheel
BS28	41730-08	40930-05	N/A	2008-2010 Cast or Laced Rear Wheel 2009-2013 Cast 3 Spoke Rear Wheel
BS29	41242-08	40930-05	N/A	2011-2016 Cast or Laced Rear Wheel with non-ABS
BS30	41100023 Sensor Ring	40930-05	N/A	2014-2016 Cast or Laced Rear Wheel with ABS Brakes
Note: The brake caliper bracket on the left side also acts as a spacer between the left swingarm & left bearing spacer.				
2014 and up, Sensor Ring (replaces 41242-08, same size) is built into the ABS sensor wire				

Pics (Rear OBS)

1988-1999 L-R, (2) - 43654-86A, (1) - 41594-73	1988-1999 Rear Wheel External Spacers
2004 R - 40930-04, L - 43654-00A	2010 and 2013 Wheel Space Comparison [182]
2005-2007 L - 41084-02A, R - 40930-05	2005-2007 Rear Wheel External Spacers

NOTES - Regarding 2000 and Up Conversion Bearings & Spacers

The Outside Diameter of all 2000-later sealed bearings is 52mm, regardless of the Inner Diameter for the axle. This provides for the potential conversion installation of any 2000-later bearing set (3/4“, 1” or 25mm Axle) on any 2000-later wheel. If performing a conversion from stock, the Inner Hub Spacers & Outer Axle Spacers may vary between front & rear installations and between various models.

All stock wheels created for 2000-2007 models (whether for front or rear) have a hub bearing depth designed to accept 21mm wide wheel bearings. Stock wheels for 2008-later models have a hub depth design for 15mm wide wheel bearings.

Part Numbers listed below for 2000-Later Front Wheel Bearings & Spacers

For 3/4“ Axle - Frt Bearing .. .. 9267(w=21mm)
For 25mm Axle - Frt Bearing . . 9276(w=15mm)
For 25mm Axle - Frt Bearing . . 9276A(w=15mm)
For 25mm Axle - Frt Bearing . . 9252(w=15mm) - For ABS

For 3/4” Axle .. .. .. 3.040“ Frt Center Hub Spacer . .. 43613-00
For 25mm Axle .. .. .. 2.980” Frt Center Hub Spacer . .. 43906-08*
For 25mm Axle .. .. .. 4.104“ Frt Center Hub Spacer . .. 11888*
(HD calls these Axle Sleeves)

For 25mm Axle - .111” Bearing Shim Spacer - Left Front .. 43315-07
(Used with 15mm wide bearings in wheels designed for 21mm wide Bearings) (Hub Spacer passes thru center of Bearing Shim Spacers)

The axle part numbers vary somewhat by year/model - Check for your specific model.
*Some spacer part numbers may vary depending on the exact wheel

Part Numbers listed below for 2000-Later Rear Wheel Bearings & Spacers
(Based on https://serviceinfo.harley-davidson.com/sip/service/document/215511?locale=en_US [https://serviceinfo.harley-davidson.com/sip/service/document/215511?locale=en_US])

For 3/4“ Axle - Rr Bearing .. .. 9267(w=21mm)
For 1” Axle - Rr Bearing .. .. .. 9247(w=21mm)
For 25mm Axle - Rr Bearing . . 9276(w=15mm)
For 25mm Axle - Rr Bearing . . 9276A(w=15mm)
For 25mm Axle - Rr Bearing . . 9252(w=15mm) - For ABS

For 3/4“ Axle .. .. .. 4.810” Rr Center Hub Spacer 43608-00
For 1“ Axle .. .. 4.810” Rr Center Hub Spacer 43517-00
For 25mm Axle .. .. .. 5.235“ Rr Center Hub Spacer . 41900-08*
(HD calls these Axle Sleeves)

For 25mm Axle - .203” (5mm) Bearing Shim Spacer - Rear .. 43904-08
(Used with 15mm wide bearings in wheels designed for 21mm wide Bearings) (Hub Spacer passes thru center of Bearing Shim Spacers)

(?? 25mm ABS Rr Axle Bearing .. 9252(w=15mm))

The axle part numbers vary somewhat by year/model - Check for your specific model.
*Some spacer part numbers may vary depending on the exact wheel

Part Numbers For Wheel Bearing Install Kits for 2000-later Wheels:
(These kits come with two bearings and various spacers to fit multiple models)
Front
2000-2007 - Using 3/4“ Axle .. .. .. 43833-07A (Bearings will be 21mm wide)
2008-up — Using 25mm Axle . . .. 41452-08C (Bearings will be 15mm wide)

Rear
2000-2004 - Using 3/4” Axle .. .. ..43854-08A (Bearings will be 21mm wide)
2005-2007 - Using 1“ Axle . .. . 43861-08A (Bearings will be 21mm wide)
2008-up — Using 25mm Axle .. .. 43878-08B (BUT NOT 2011-later XL883L) (Bearings will be 15mm wide)
(HD 43878-08B comes with two 25mm bearings, one 5mm spacer, a 133mm & 147mm center hub spacer and valve stems)

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V-Twin No: 44-2995 - Rear Sealed Wheel Bearing Conversion Kit for 3/4" Axle
-------------------------------------------------------------------------
Retro fit for models with Timken bearings. Double row wheel bearings eliminate wheel play,
have a longer wear life, require no adjustment. Kit includes two bearings, center spacer
& spacers. Fits 1991-99 XL.
Double Row Sealed Wheel Bearing - OD=1.782" - ID=.747" - Width=.81"
Center_Spacer length=4.5"
```

Wheels

Sub Documents

- Removing the Front Wheel on a 2007 883L

Front

Front Wheel 1986-2007

Sportster Model	Year	Size	Wheel and Position	HD Wheel Assembly with bearings & bearing spacer	Brakes **(S)** Standard Single **(D)** Standard Dual A - **Axle** B - **Bearings** H - **Hub Spacer** BS - **Outer Bearing Spacers**
XLH 883	1986-1987 1988-1991 1992-1994 1995-1996	19”	Front Laced	43312-84 183)184) 185) 186)	(S) A01 B01 H01 BS01 (S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02
	1986-1987 1988-1991 1992-1994 1995	19“	Front Cast 9 Spoke (silver)	43338-83 187) 188) 189) 190)	(S) A01 B01 H01 BS01 (S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02
	1996 1997	19”	Front Cast 13 Spoke (silver)	43338-96 191) 192)	(S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1996 1997	19“	Front Laced	43312-84 193) 194)	(S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1998	19”	Front Cast 13 Spoke (silver)	43594-96 195)	(S) A04 B01 H02 BS02
	1998	19“	Front Laced	43312-84B196)	(S) A04 B01 H02 BS02
	1999	19”	Front Cast 13 Spoke (silver)	43338-96 197)	(S) A04 B01 H02 BS02
	1999	19“	Front Laced	43312-84 198)	(S) A04 B01 H02 BS02
	2000–2007	19”	Front Cast 13 Spoke (silver)	43338-00 199) 200)201) 202) 203) 204) 205) 206)	(S) A05 B02 H03 BS03
	2000-2001	19“	Front Laced	43312-00 207) 208)	(S) A05 B02 H03 BS03
	2002-2003	19”	Front Laced	43312-00A 209) 210)	(S) A05 B02 H03 BS03
	2005-2007	19“	Front Laced	43312-05 211) 212) 213)	(S) A05 B02 H03 BS03
XLH883 Deluxe	1986-1987 1988-1991 1992-1994 1995	19”	Front Laced	43312-84 214)215) 216) 217)	(S) A01 B01 H01 BS01 (S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02
	1986-1987 1988-1991 1992-1994 1995	19“	Front Cast 9 Spoke (silver)	43338-83 218) 219) 220) 221)	(S) A01 B01 H01 BS01 (S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02

XL 883C	1998	21”	Front Laced	43557-87B [222)]	(S) A04 B01 H02 BS02
	1999	21“	Front Laced	43557-87 [223)]	(S) A04 B01 H02 BS02
	2000-2001	21”	Front Laced	43557-00 [224) 225)]	(S) A05 B02 H03 BS03
	2002-2004	21“	Front Laced	43557-00A [226) 227)228)]	(S) A05 B02 H03 BS03
	2005-2007	21”	Front Laced	43557-05 [229) 230) 231)]	(S) A05 B02 H03 BS03
	2005-2007	21“	Front “Profile” Laced	44610-05 [232) 233) 234)]	(S) A05 B02 H03 BS03
XL883 Hug	1987 1988-1991 1992-1994 1995-1996	19”	Front Laced	43312-84 [235)236) 237) 238)]	(S) A01 B01 H01 BS01 (S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02
	1987 1988-1991 1992-1994 1995	19“	Front Cast 9 Spoke (silver)	43338-83 [239) 240) 241) 242)]	(S) A01 B01 H01 BS01 (S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02
	1996 1997	19”	Front Cast 13 Spoke (silver)	43338-96 [243) 244)]	(S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1996 1997	19“	Front Laced	43312-84 [245) 246)]	(S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1998	19”	Front Cast 13 Spoke (silver)	43594-96 [247)]	(S) A04 B01 H02 BS02
	1998	19“	Front Laced	43312-84B[248)]	(S) A04 B01 H02 BS02
	1999	19”	Front Cast 13 Spoke (silver)	43338-96 [249)]	(S) A04 B01 H02 BS02
	1999	19“	Front Laced	43312-84 [250)]	(S) A04 B01 H02 BS02
	2000-2001	19”	Front Laced	43312-00 [251) 252)]	(S) A05 B02 H03 BS03
	2002-2003	19“	Front Laced	43312-00A [253) 254)]	(S) A05 B02 H03 BS03
	2000-2003	19”	Front Cast 13 Spoke (silver)	43338-00 [255) 256)257) 258)]	(S) A05 B02 H03 BS03
XL883L	2005-2007	19“	Front Cast 13 Spoke (silver)	43338-00 [259) 260) 261)]	(S) A05 B02 H03 BS03
	2005-2007	19”	Front Laced	43312-05 [262) 263) 264)]	(S) A05 B02 H03 BS03
XL883R	2002-2003	19“	Front Cast 13 Spoke (silver)	43338-00 [265) 266)]	(D) A05 B02 H03 BS03
	2005-2006	19”	Front Cast 13 Spoke (black)	43626-00 [267) 268)]	(D) A05 B02 H03 BS03
	2006	19“	Front Laced	43312-05 [269)]	(D) A05 B02 H03 BS03
	2007	19”	Front Cast 13 Spoke (black)	40857-05 [270)]	(D) A05 B02 H03 BS03
	2007	19“	Front Laced	43547-05A [271)]	(D) A05 B02 H03 BS03
XLH 1100	1986-1987	19”	Front Laced	43312-84 [272)273) 274) 275)]	(S) A01 B01 H01 BS01
	1986-1987	19“	Front Cast 9 Spoke (black)	43626-84 [276)]	(S) A01 B01 H01 BS01
XLH 1200	1988-1991 1992-1994 1995-1996 1997	19”	Front Laced	43312-84 [277)278) 279) 280)]	(S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1988-1991 1992-1994 1995	19“	Front Cast 9 Spoke (black)	43626-84 [281)282) 283) 284)]	(S) A02 B01 H01 BS01 (S) A02 B01 H02 BS01 (S) A02 B01 H02 BS02
	1996 1997	19”	Front Cast 13 Spoke (black)	43626-96 [285) 286)]	(S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1998	19“	Front Cast 13 Spoke (silver)	43594-96 [287)]	(S) A04 B01 H02 BS02
	1998	19”	Front Cast 13 Spoke (black)	43499-96 [288)]	(S) A04 B01 H02 BS02
	1998	19“	Front Laced	43312-84B[289)]	(S) A04 B01 H02 BS02
	1999	19”	Front Cast 13 Spoke (black)	43626-96 [290)]	(S) A04 B01 H02 BS02

	1999	19“	Front Laced	43312-84 [291]	(S) A04 B01 H02 BS02
	2000-2003	19”	Front Cast 13 Spoke (black)	43626-00 [292] [293] [294] [295]	(S) A05 B02 H03 BS03
	2002-2003	19“	Front Laced	43312-00A [296] [297]	(S) A05 B02 H03 BS03
XL1200C	1996 1997	21”	Front Laced	43557-87 [298] [299]	(S) A02 B01 H02 BS02 (S) A03 B01 H02 BS02
	1998	21“	Front Laced	43557-87B [300]	(S) A04 B01 H02 BS02
	1999	21”	Front Laced	43557-87 [301]	(S) A04 B01 H02 BS02
	2000-2001	21“	Front Laced	43557-00 [302] [303]	(S) A05 B02 H03 BS03
	2002-2004	21”	Front Laced	43557-00A [304] [305][306]	(S) A05 B02 H03 BS03
	2005-2007	21“	Front Laced	43557-05 [307] [308] [309]	(S) A05 B02 H03 BS03
	2005-2007	21”	Front “Profile” Laced	44610-05 [310] [311] [312]	(S) A05 B02 H03 BS03
XL-50	2007	19“	Front Laced	43312-05 [313]	(S) A05 B02 H03 BS03
XL1200L	2007	19”	Front Laced	43312-05 [314]	(S) A05 B02 H03 BS03
	2007	19“	Front Cast 13 Spoke (black)	40865-00 [315]	(S) A05 B02 H03 BS03
XL1200N Nightster	2007	19”	Front Laced (black)	43831-07 [316]	(S) A05 B02 H03 BS03
XL1200R	2004–2007	19“	Front Cast 13 Spoke (silver)	43338-00 [317] [318] [319] [320]	(D) A05 B02 H03 BS03
	2005-2007	19”	Front Laced	43547-05A [321] [322] [323]	(D) A05 B02 H03 BS03
	2006	19“	Front Laced	43312-05 [324]	(D) A05 B02 H03 BS03
XL1200S	1996 1997	19”	Front Cast 13 Spoke (silver)	43338-96 [325] [326]	(D) A02 B01 H02 BS02 (D) A03 B01 H02 BS02
	1998	19“	Front Cast 13 Spoke (silver)	43594-96 [327]	(D) A04 B01 H02 BS02
	1998	19”	Front Laced	43312-84B[328]	(D) A04 B01 H02 BS02
	1999	19“	Front Cast 13 Spoke (silver)	43338-96 [329]	(D) A04 B01 H02 BS02
	1999	19”	Front Laced	43312-84 [330]	(D) A04 B01 H02 BS02
	2000-2001	19“	Front Laced	43312-00 [331] [332]	(D) A05 B02 H03 BS03
	2000-2003	19”	Front Cast 13 Spoke (silver)	43338-00 [333] [334][335] [336]	(D) A05 B02 H03 BS03

Front Wheel 2008 and up

Sportster Model	**Year**	**Size**	**Wheel and Position**	**HD Wheel Assembly without bearings & bearing spacer** Note: Wheel Listing Change	**Brakes** **(S)** Standard Single **(D)** Standard Dual A - **Axle** B **- Bearings** H - **Hub Spacer** BS - **Outer Bearing Spacers**
XL883	2008-2009	19“	Front Cast 13 Spoke (silver)	43594-08 [337] [338]	(S) A06 B04 H05 BS05
	2008-2009	19”	Front Laced	43312-08 [339] [340]	(S) A06 B04 H05 BS05
XL883C Custom	2008-2010	21“	Front Laced	43557-08 [341][342] [343]	(S) A06 B04 H05 BS05
	2008-2010	21”	Front “Profile” Laced	44610-08 [344] [345] [346]	(S) A06 B04 H05 BS05
XL883L Low	2008-2010	19“	Front Laced	43312-08 [347] [348] [349]	(S) A06 B04 H05 BS05
	2008-2010	19”	Front Cast 13 Spoke (silver)	43594-08 [350] [351] [352]	(S) A06 B04 H05 BS05

XL883L Super Low	2011 2012-2016 2014-2016	18“	Front Cast 5 Spoke (black)	43689-11 [353) 354) 355) 356) 357) 358)]	(S) A07 B04 H07 BS06 (S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
XL883N Iron 883	2009-2011	19”	Front Cast 13 Spoke (black)	47875-09 [359) 360) 361)]	(S) A06 B04 H05 BS05
	2012-2013 2014-2015 2014-2015	19“	Front Cast 13 Spoke (black)	47875-09A [362) 363) 364) 365)]	(S) A06 B05 H05 BS05 (S) A08 B05 H05 BS07 (ABS) A08 B06 H05 BS08
	2016	19”	Front Cast 9 Spoke (black)	43300394 [366)]	(S) A08 B05 H05 BS07 (ABS) A08 B06 H05 BS08
XL883R	2008-2011 2012-2013	19“	Front Cast 13 Spoke (black)	43499-08 [367) 368) 369) 370) 371) 372)]	(D) A06 B04 H05 BS05 (D) A06 B05 H05 BS05
	2009-2010	19”	Front Laced	43547-08 [373) 374)]	(D) A06 B04 H05 BS05
	2014-2015	19“	Front Cast 13 Spoke (black)	43300156 [375) 376)]	(D) A08 B05 H05 BS07 (ABD) A08 B06 H05 BS08
XL1200C	2008-2010	21”	Front Laced	43557-08 [377)378) 379)]	(S) A06 B04 H05 BS05
	2008-2010	21“	Front “Profile” Laced	44610-08 [380) 381) 382)]	(S) A06 B04 H05 BS05
	2012-2013	16”	Front Cast 5 Spoke (chrome)	55018-11 [383) 384)]	(S) A07 B05 H07 BS09
	2014-2015	16“	Front Cast 5 Spoke (chrome)	4300158 [385) 386)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
	2016	16”	Front Cast 5 Spoke (chrome)	55018-11 [387)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
	2012-2016 2014-2016	16“	Front Laced (chrome)	55126-11 [388) 389) 390) 391) 392)]	(S) A07 B05 H08 BS09 (ABS) A07 B06 H08 BS10
XL1200CA	2013	16”	Front Cast 5 Spoke (black)	55074-11 [393)]	(S) A07 B05 H07 BS09
	2014-2016	16“	Front Cast 5 Spoke (black)	43300157 [394) 395) 396)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
XL1200CB	2013-2016 2014-2016	16”	Front Laced (black)	41388-10 [397) 398) 399) 400)]	(S) A07 B05 H08 BS09 (ABS) A07 B06 H08 BS10
XL1200CP Anniversary	2013	16“	Front Cast 5 Spoke (chrome)	55018-11 [401)]	(S) A07 B05 H07 BS09
XL1200CP	2012-2013	16”	Front Cast 5 Spoke (black)	55074-11 [402) 403)]	(S) A07 B05 H07 BS09
	2012-2013	16“	Front Cast 5 Spoke (chrome)	55018-11 [404) 405)]	(S) A07 B05 H07 BS09
	2014-2015	16”	Front Cast 5 Spoke (chrome)	43300158 [406) 407)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
	2014-2016	16“	Front Cast 5 Spoke (black)	43300157 [408) 409) 410)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
	2016	16”	Front Cast 5 Spoke (chrome)	55018-11 [411)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
	2012-2016 2014-2016	16“	Front Laced (black)	41388-10 [412) 413) 414) 415) 416)]	(S) A07 B05 H08 BS09 (ABS) A07 B06 H08 BS10
	2012-2016 2014-2016	16”	Front Laced (chrome)	55126-11 [417) 418) 419) 420) 421)]	(S) A07 B05 H08 BS09 (ABS) A07 B06 H08 BS10
XL1200L	2008	19“	Front Cast 13 Spoke (gloss black) 105th Anniversary restricted sale	43426-08 [422)]	(S) A06 B04 H05 BS05
	2008-2011	19”	Front Cast 13 Spoke (matte black)	41659-08 [423) 424) 425) 426)]	(S) A06 B04 H05 BS05
	2009-2011	19“	Front Laced	43312-08 [427) 428) 429)]	(S) A06 B04 H05 BS05
XL1200N Nightster	2008-2011 2012	19”	Front Laced (black)	43831-08 [430) 431) 432) 433) 434)]	(S) A06 B04 H05 BS05 (S) A06 B05 H05 BS05
XL1200R	2008-2009	19“	Front Cast 13 Spoke (black)	43499-08 [435) 436)]	(D) A06 B04 H05 BS05
	2008-2009	19”	Front Laced	43547-08 [437) 438)]	(D) A06 B04 H05 BS05

XL1200T	2015-2016	18“	Front Cast 5 Spoke (black)	43300282 [439) 440)]	(S) A07 B05 H07 BS09 (ABS) A07 B06 H07 BS10
XL1200V Seventy Two	2013 2014-2016 2014-2016	21”	Front Laced	43557-08 [441) 442) 443) 444)]	(S) A06 B05 H05 BS05 (S) A08 B05 H05 BS07 (ABS) A08 B06 H05 BS08
XL1200X Forty Eight	2010-2011 2012-2015 2014-2015	16“	Front Laced (black)	41388-10 [445) 446) 447) 448) 449) 450)]	(S) A07 B04 H08 BS09 (S) A07 B05 H08 BS09 (ABS) A07 B06 H08 BS10
	2016	16”	Front 9 Spoke (black)	43300392 [451)]	(S) A07 B05 H09 BS09 (ABS) A07 B06 H09 BS10
XR1200	2009-2010	18“	Front Cast 3 Spoke (black)	43103-08 [452) 453)]	(D) A07 B04 H06 BS06
XR1200X	2011 2012-2013	18”	Front 3 Spoke (black w/ stripe)	43343-10 [454) 455) 456) 457)]	(D) A07 B04 H06 BS06 (D) A07 B05 H06 BS06
NOTE:	Be sure to mount the tire matching the correct rotation to the wheel!				
	2008-later wheels may have Shallow Bearing Cavity on LEFT and Deeper Cavity on the RIGHT!				
	Example: 2008 Roadster, dual discs**.** Left & Right discs may be swapped based on Svc Bulletin M-1192A**.** [458)]				

Rear

Rear Wheel 1986 **-** 2007

Sportster Model	**Year**	**Size**	**Wheel and Position**	**HD Wheel Assembly with bearings & bearing spacer**	**Brake** **(SB)** standard A - **Axle** B - **Bearings** H - **Hub Spacer** BS - **Outer Bearing Spacers**
XLH 883 ← **'91 Chain Drive** → **'91 Belt Drive**	1986-1987 1988 1989-1991 1991-1996	16“	Rear Cast 9 Spoke (silver)	40983-86 [459) 460) 461) 462)]	SB A21 B21 H21 BS22 SB A21 B21 H21 BS23 SB A22 B21 H21 BS23 SB A22 B21 H23 BS23
  ← '91 Chain Drive → '91 Belt Drive	1986-1987 1988 1989-1991 1991-1996	16”	Rear Laced (chrome)	40975-86 [463) 464) 465)466)]	SB A21 B21 H22 BS22 SB A21 B21 H22 BS23 SB A22 B21 H22 BS23 SB A22 B21 H24 BS23
	1996-1997	16“	Rear Cast 13 Spoke (silver)	40983-96 [467) 468)]	SB A22 B21 H23 BS23
	1997	16”	Rear Laced	40975-86A [469)]	SB A22 B21 H24 BS23
	1998	16“	Rear Laced	40975-86C [470)]	SB A22 B21 H24 BS23
	1998	16”	Rear Cast 13 Spoke (silver)	40992-96 [471)]	SB A22 B21 H23 BS23
	1999	16“	Rear Cast 13 Spoke (silver)	40983-96 [472)]	SB A22 B21 H23 BS23
	1999	16”	Rear Laced	40975-86A [473)]	SB A22 B21 H24 BS23
	2000-2002	16“	Rear Cast 13 Spoke (silver)	40983-00 [474) 475) 476) 477)]	SB A22 B22 H25 BS24
	2003	16”	Rear Cast 13 Spoke (silver)	40983-00 [478) 479) 480) 481)]	SB A22 B22 H25 BS25
	2000-2002	16“	Rear Laced	40975-00 [482) 483) 484) 485)]	SB A22 B22 H25 BS24
	2003	16”	Rear Laced	40975-00 [486) 487) 488) 489)]	SB A22 B22 H25 BS25
	2004	16“	Rear Cast 13 Spoke (silver)	40983-00 [490)]	SB A23 B22 H25 BS26
	2005	16”	Rear Laced	41052-02 [491)]	SB A24 B23 H26 BS27
	2005-2007	16“	Rear Cast 13 Spoke (silver)	43637-05 [492) 493) 494)]	SB A24 B23 H26 BS27
	2006	16”	Rear Laced	41052-05 [495)]	SB A24 B23 H26 BS27

	2007	16“	Rear Laced	41052-05A [496)]	SB A24 B23 H26 BS27
XL883C	1999	16”	Rear Solid Disc	41008-00 [497) 498) 499)500) 501)]	SB A22 B21 H23 BS23
	2000-2002	16“	Rear Solid Disc	41008-00 [502) 503) 504)505) 506)]	SB A22 B22 H25 BS24
	2003	16”	Rear Solid Disc	41008-00 [507) 508) 509)510) 511)]	SB A22 B22 H25 BS25
	2004	16“	Rear Cast Solid w/holes (silver)	41008-00 [512)]	SB A23 B22 H25 BS26
	2005	16”	Rear Cast Solid w/Holes (silver)	41041-05 [513)]	SB A24 B23 H26 BS27
	2005-2006	16“	Rear “Profile” Laced	44606-05 [514) 515)]	SB A24 B23 H26 BS27
	2007	16”	Rear Cast Solid w/Holes (silver)	41041-05 [516)]	SB A24 B23 H26 BS27
	2007	16“	Rear “Profile” (chrome) Laced	44606-05B [517)]	SB A24 B23 H26 BS27
XLH 883 Deluxe ← **'91 Chain Drive** → **'91 Belt Drive**	1986-1987 1988 1989-1991 1991-1995	16”	Rear Cast 9 Spoke (silver)	40983-86 [518) 519) 520) 521)]	SB A21 B21 H21 BS22 SB A21 B21 H21 BS23 SB A22 B21 H21 BS23 SB A22 B21 H23 BS23
← '91 Chain Drive → '91 Belt Drive	1986-1987 1988 1989-1991 1991-1995	16“	Rear Laced (chrome)	40975-86 [522) 523) 524)525)]	SB A21 B21 H22 BS22 SB A21 B21 H22 BS23 SB A22 B21 H22 BS23 SB A22 B21 H24 BS23
XLH 883 Hug ← **'91 Chain Drive** → **'91 Belt Drive**	1987 1988 1989-1991 1991-1995	16”	Rear Cast 9 Spoke (silver)	40983-86 [526) 527) 528) 529)]	SB A21 B21 H21 BS22 SB A21 B21 H21 BS23 SB A22 B21 H21 BS23 SB A22 B21 H23 BS23
← '91 Chain Drive → '91 Belt Drive	1987 1988 1989-1991 1991-1996	16“	Rear Laced (chrome)	40975-86 [530) 531) 532)533)]	SB A21 B21 H22 BS22 SB A21 B21 H22 BS23 SB A22 B21 H22 BS23 SB A22 B21 H24 BS23
	1996-1997	16”	Rear Cast 13 Spoke (silver)	40983-96 [534) 535)]	SB A22 B21 H23 BS23
	1997	16“	Rear Laced	40975-86A [536)]	SB A22 B21 H24 BS23
	1998	16”	Rear Laced	40975-86C [537)]	SB A22 B21 H24 BS23
	1998	16“	Rear Cast 13 Spoke (silver)	40992-96 [538)]	SB A22 B21 H23 BS23
	1999	16”	Rear 13 Spoke (silver)	40983-96 [539)]	SB A22 B21 H23 BS23
	1999	16“	Rear Laced	40975-86A [540)]	SB A22 B21 H24 BS23
	2000-2002	16”	Rear Cast 13 Spoke (silver)	40983-00 [541) 542) 543) 544)]	SB A22 B22 H25 BS24
	2003	16“	Rear Cast 13 Spoke (silver)	40983-00 [545) 546) 547) 548)]	SB A22 B22 H25 BS25
	2000-2002	16”	Rear Laced	40975-00 [549) 550) 551) 552)]	SB A22 B22 H25 BS24
	2003	16“	Rear Laced	40975-00 [553) 554) 555) 556)]	SB A22 B22 H25 BS25
XL883L	2005	16”	Rear Laced	41052-02 [557)]	SB A24 B23 H26 BS27
	2005-2007	16“	Rear Cast 13 Spoke (silver)	43637-05 [558) 559) 560)]	SB A24 B23 H26 BS27
	2006	16”	Rear Laced	41052-05 [561)]	SB A24 B23 H26 BS27
	2007	16“	Rear Laced	41052-05A [562)]	SB A24 B23 H26 BS27
XL883R	2005-2007	16”	Rear Cast 13 Spoke (black)	40855-05 [563) 564) 565)]	SB A24 B23 H26 BS27
	2007	16“	Rear Laced	41052-05A [566)]	SB A24 B23 H26 BS27
XLH 1100	1986-1987	16”	Rear Cast 9 Spoke (black)	41015-86 [567)]	SB A21 B21 H21 BS22
	1986-1987	16“	Rear Laced	40975-86 [568) 569) 570)571)]	SB A21 B21 H22 BS22
XL-50 (1200)	2007	16”	Rear Laced	41052-05A [572)]	SB A24 B23 H26 BS27
XLH 1200 ← **'91 Chain Drive** → **'91 Belt Drive**	1988 1989-1991 1991-1995	16“	Rear Cast 9 Spoke (black)	41015-86[573) 574) 575) 576)]	SB A21 B21 H21 BS23 SB A22 B21 H21 BS23 SB A22 B21 H23 BS23

← '91 Chain Drive → '91 Belt Drive	1988 1989-1991 1991-1996	16”	Rear Laced (chrome)	40975-86 577) 578) 579)580)	SB A21 B21 H22 BS23 SB A22 B21 H22 BS23 SB A22 B21 H24 BS23
	1996-1997	16“	Rear Cast 13 Spoke (black)	41015-96 581) 582)	SB A22 B21 H23 BS23
	1997	16”	Rear Laced	40975-86A 583)	SB A22 B21 H24 BS23
	1998	16“	Rear Laced	40975-86C 584)	SB A22 B21 H24 BS23
	1998	16”	Rear Cast 13 Spoke (black)	41012-96 585)	SB A22 B21 H23 BS23
	1999	16“	Rear Laced	40975-86A 586)	SB A22 B21 H24 BS23
	1999	16”	Rear Cast 13 Spoke (black)	41015-96 587)	SB A22 B21 H23 BS23
	2000-2002	16“	Rear Cast 13 Spoke (black)	41015-00 588) 589) 590) 591)	SB A22 B22 H25 BS24
	2003	16”	Rear Cast 13 Spoke (black)	41015-00 592) 593) 594) 595)	SB A22 B22 H25 BS25
	2000-2002	16“	Rear Laced	40975-00 596) 597) 598) 599)	SB A22 B22 H25 BS24
	2003	16”	Rear Laced	40975-00 600) 601) 602) 603)	SB A22 B22 H25 BS25
XL1200C	1996-1997	16“	Rear Cast Solid with Slots	41017-95 604) 605)	SB A22 B21 H23 BS23
	1998	16”	Rear Solid w/Slots	41013-95 606)	SB A22 B21 H23 BS23
	2000-2002	16“	Rear Chrome Solid with Slots	41017-00 607) 608) 609) 610) 611)	SB A22 B22 H25 BS24
	2003	16”	Rear Chrome Solid with Slots	41017-00 612) 613) 614) 615) 616)	SB A22 B22 H25 BS25
	2004	16“	Rear Chrome Solid with Slots	41017-00 617) 618) 619) 620) 621)	SB A23 B22 H25 BS26
	2005	16”	Rear Chrome Solid with Slots	43335-05 622)	SB A24 B23 H26 BS27
	2005-2006	16“	Rear “Profile” Laced	44606-05 623) 624)	SB A24 B23 H26 BS27
	2007	16”	Rear Chrome Solid with Slots	43335-05 625)	SB A24 B23 H26 BS27
	2007	16“	Rear “Profile” Laced (chrome)	44606-05B 626)	SB A24 B23 H26 BS27
XL1200L	2007	16”	Rear Cast 13 Spoke (black)	40871-06 627)	SB A24 B23 H26 BS27
	2007	16“	Rear Laced	41052-05A 628)	SB A24 B23 H26 BS27
XL1200N Nightster	2007	16”	Rear Laced (black)	43832-07 629)	SB A24 B23 H26 BS27
XL1200R	2004	16“	Rear Cast 13 Spoke (silver)	40983-00 630)	SB A23 B22 H25 BS26
	2005	16”	Rear Laced	41052-02 631)	SB A24 B23 H26 BS27
	2005-2007	16“	Rear Cast 13 Spoke (silver)	43637-05 632) 633) 634)	SB A24 B23 H26 BS27
	2006	16”	Rear Laced	41052-05 635)	SB A24 B23 H26 BS27
	2007	16“	Rear Laced	41052-05A 636)	SB A24 B23 H26 BS27
XL1200S	1996-1997	16”	Rear Cast 13 Spoke (silver)	40983-96 637) 638)	SB A22 B21 H23 BS23
	1997	16“	Rear Laced	40975-86A 639)	SB A22 B21 H23 BS23
	1998	16”	Rear Laced	40975-86C 640)	SB A22 B21 H23 BS23
	1998	16“	Rear Cast 13 Spoke (silver)	40992-96 641)	SB A22 B21 H23 BS23
	1999	16”	Rear 13 Spoke (silver)	40983-96 642)	SB A22 B21 H23 BS23
	2000-2002	16“	Rear Cast 13 Spoke (silver)	40983-00 643) 644) 645) 646)	SB A22 B22 H25 BS24
	2003	16”	Rear Cast 13 Spoke (silver)	40983-00 647) 648) 649) 650)	SB A22 B22 H25 BS25

Rear Wheel 2008 and Up

Sportster Model	**Year**	**Size**	**Wheel and Position**	**HD Wheel Assembly**	**Brake (SB) Standard**

				without bearings & bearing spacer Note: Wheel Listing Change	**(AB) ABS** A - **Axle** B - **Bearings** H - **Hub Spacer** BS - **Outer Bearing Spacers**
XL883	2008-2009	16“	Rear Cast 13 Spoke (silver)	40992-08 [651) 652)]	SB A25 B24 H27 BS28
	2008-2009	16”	Rear Laced	41082-08 [653) 654)]	SB A25 B24 H27 BS28
XL883C Custom	2008	16“	Rear Cast Solid w/ Holes (silver)	41058-08 [655)]	SB A25 B24 H27 BS28
	2008-2010	16”	Rear “Profile” Laced	41083-08 [656) 657) 658)]	SB A25 B24 H27 BS28
	2009-2010	16“	Rear Cast Solid w/ Holes (silver)	41058-09 [659) 660)]	SB A25 B24 H27 BS28
XL883L Low	2008-2009	16”	Rear Cast 13 Spoke (silver)	40992-08 [661) 662)]	SB A25 B24 H27 BS28
	2008-2009	16“	Rear Laced	41082-08 [663) 664)]	SB A25 B24 H27 BS28
	2010	16”	Rear Cast 13 Spoke (silver)	40992-08 [665)]	SB A25 B24 H27 BS28
	2010	16“	Rear Laced	41082-08 [666)]	SB A25 B24 H27 BS28
XL883L Super Low	2011	17”	Rear 5 Spoke (black)	44012-11 [667) 668)]	SB A25 B24 H27 BS29
	2012	17“	Rear 5 Spoke (black)	44012-11 [669) 670)]	SB A25 B25 H27 BS29
	2013	17”	Rear Cast 5 Spoke (black)	44012-11A [671) 672) 673)]	SB A25 B25 H27 BS29
	2014-2016	17“	Rear Cast 5 Spoke (black)	44012-11A [674) 675) 676)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL883N Iron 883	2009-2010	16”	Rear Cast 13 Spoke (black)	47878-09 [677) 678) 679)]	SB A25 B24 H27 BS28
	2011	16“	Rear Cast 13 Spoke (black)	47878-09 [680) 681) 682)]	SB A25 B24 H27 BS29
	2012-2013	16”	Rear Cast 13 Spoke (black)	47878-09A [683) 684)]	SB A25 B25 H27 BS29
	2014-2015	16“	Rear Cast 13 Spoke (black)	47878-09B [685) 686)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2016	16”	Rear Cast 9 Spoke (black)	40900402 [687)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL883R Roadster	2008-2009	16“	Rear Cast 13 Spoke (black)	41012-08 [688) 689)]	SB A25 B24 H27 BS28
	2009-2010	16”	Rear Laced	41082-08 [690) 691)]	SB A25 B24 H27 BS28
	2011	16“	Rear Cast 13 Spoke (black)	41012-08 [692) 693) 694)]	SB A25 B24 H27 BS29
	2012-2013	16”	Rear Cast 13 Spoke (black)	41012-08 [695) 696) 697)]	SB A25 B25 H27 BS29
	2014-2015	16“	Rear Cast 13 Spoke (black)	40900165 [698)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200C Anniversary	2013	16”	Rear Cast 5 Spoke (chrome)	55019-11A [699)]	SB A25 B25 H27 BS29
XL1200C	2008	16“	Rear Cast Solid w/ Slots (chrome)	41013-08 [700)]	SB A25 B24 H27 BS28
	2008-2010	16”	Rear “Profile” Laced	41083-08 [701) 702) 703)]	SB A25 B24 H27 BS28
	2009-2010	16“	Rear Cast Solid w/ Slots (chrome)	41013-09 [704) 705)]	SB A25 B24 H27 BS28
	2012	16”	Rear Cast 5 Spoke (chrome)	55019-11 [706)]	SB A25 B25 H27 BS29
	2012	16“	Rear Laced	41082-08 [707)]	SB A25 B25 H27 BS29
	2013	16”	Rear Cast 5 Spoke (chrome)	55019-11A [708)]	SB A25 B25 H27 BS29
	2013	16“	Rear Laced	41082-08A [709) 710) 711) 712)]	SB A25 B25 H27 BS29
	2014-2016	16”	Rear Laced	41082-08A [713) 714) 715) 716)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30

	2014-2015	16“	Rear Cast 5 Spoke (chrome)	40900167 [717) 718)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2016	16”	Rear Cast 5 Spoke (chrome)	55019-11A [719)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200CA	2013	16“	Rear Cast 5 Spoke (black)	55076-11A [720)]	SB A25 B25 H27 BS29
	2014-2016	16”	Rear Cast 5 Spoke (black)	40900166 [721) 722) 723)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200CB	2013	16“	Rear Laced (black)	41478-10A [724) 725) 726)]	SB A25 B25 H27 BS29
	2014-2016	16”	Rear Laced (black)	41478-10A [727) 728) 729)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2013	16“	Rear Laced	41082-08A [730) 731) 732) 733)]	SB A25 B25 H27 BS29
	2014-2016	16”	Rear Laced	41082-08A [734) 735) 736) 737)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200CP	2012	16“	Rear Cast 5 Spoke (chrome)	55019-11 [738)]	SB A25 B25 H27 BS29
	2012	16”	Rear Cast 5 Spoke (black)	55076-11 [739)]	SB A25 B25 H27 BS29
	2012	16“	Rear Laced	41082-08 [740)]	SB A25 B25 H27 BS29
	2012	16”	Rear Laced (black)	41478-10 [741)]	SB A25 B25 H27 BS29
	2013	16“	Rear Cast 5 Spoke (chrome)	55019-11A [742)]	SB A25 B25 H27 BS29
	2013	16”	Rear Cast 5 Spoke (black)	55076-11A [743)]	SB A25 B25 H27 BS29
	2013	16“	Rear Laced (chrome)	41082-08A [744)]	SB A25 B25 H27 BS29
	2014-2016	16”	Rear Laced (chrome)	41082-08A [745) 746)747)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2013	16“	Rear Laced (black)	41478-10A [748) 749) 750)]	SB A25 B25 H27 BS29
	2014-2016	16”	Rear Laced (black)	41478-10A [751) 752) 753)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2014-2015	16“	Rear Cast 5 Spoke (chrome)	40900167 [754) 755)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2014-2016	16”	Rear Cast 5 Spoke (black)	40900166 [756) 757) 758)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2016	16“	Rear Cast 5 Spoke (chrome)	55019-11A [759)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200L	2008	16”	Rear Cast 13 Spoke (gloss-black) 105th Anv. restricted sale	43427-08 [760)]	SB A25 B24 H27 BS28
	2008-2009	16“	Rear Laced	41082-08 [761) 762)]	SB A25 B24 H27 BS28
	2008-2010	16”	Rear Cast 13 Spoke (matte-black)	41660-08 [763) 764) 765) 766)]	SB A25 B24 H27 BS28
	2011	16“	Rear Cast 13 Spoke (matte-black)	41660-08 [767) 768) 769) 770)]	SB A25 B24 H27 BS29
	2010	16”	Rear Laced	41082-08 [771) 772)]	SB A25 B24 H27 BS28
	2011	16“	Rear Laced	41082-08 [773) 774)]	SB A25 B24 H27 BS29
XL1200N Nightster	2008-2010	16”	Rear Laced (black)	43832-08 [775) 776) 777) 778) 779)]	SB A25 B24 H27 BS28
	2011	16“	Rear Laced (black)	43832-08 [780) 781) 782) 783) 784)]	SB A25 B24 H27 BS29
	2012	16”	Rear Laced (black)	43832-08 [785) 786) 787) 788) 789)]	SB A25 B25 H27 BS29
XL1200R	2008-2009	16“	Rear Cast 13 Spoke (black)	41012-08 [790) 791)]	SB A25 B24 H27 BS28
	2008-2009	16”	Rear Laced	41082-08 [792) 793)]	SB A25 B24 H27 BS28
XL1200T	2015-2016	17“	Rear 5 Spoke (black)	40900291 [794) 795)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200V Seventy Two	2013	16”	Rear Laced	41082-08A [796) 797) 798) 799)]	SB A25 B25 H27 BS29

	2014-2016	16“	Rear Laced	41082-08A [800) 801) 802) 803)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XL1200X Forty Eight	2010	16”	Rear Laced (black)	41478-10 [804) 805) 806)]	SB A25 B24 H27 BS28
	2011	16“	Rear Laced (black)	41478-10 [807) 808) 809)]	SB A25 B24 H27 BS29
	2012	16”	Rear Laced (black)	41478-10 [810) 811) 812)]	SB A25 B25 H27 BS29
	2013	16“	Rear Laced (black)	41478-10A [813) 814) 815)]	SB A25 B25 H27 BS29
	2014-2015	16”	Rear Laced (black)	41478-10A [816) 817) 818)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
	2016	16“	Rear cast 9 spoke (black)	40900400 [819)]	SB A25 B25 H27 BS29 AB A25 B26 H27 BS30
XR1200	2009-2010	17”	Rear Cast 3 Spoke (black)	43107-08 [820) 821)]	SB A26 B24 H28 BS28
XR1200X	2010-2011	17“	Rear Cast 3 Spoke (black)	43348-10 [822) 823) 824) 825)]	SB A26 B24 H28 BS28
	2012-2013	17”	Rear Cast 3 Spoke (black)	43348-10 [826) 827) 828) 829)]	SB A26 B25 H28 BS28

Spoked Hub

FRONT				
Year	**Model(s)**	**Hub Position**	**Rim Size**	**Hub and Brake Shell w/ bearings**
1986-1995	All Models	Front	19“	43619-84 [830)831) 832) 833)]
1996-1997	XL883/Xl883 Hug/XL1200	Front	19”	43619-84 [834) 835)]
1996-1999	XL1200C	Front	21“	43610-87 [836) 837) 838)839)]
1998-1999	XL883C	Front	21”	43610-87 [840) 841)]
	XL883/Xl883 Hug/XL1200/XL1200S	Front	19“	43619-84 [842) 843) 844) 845)]
2000-2001	XL883/XL883 Hug/XL1200	Front	19”	43619-00 [846) 847)]
	XL883C/XL1200C	Front	21“	43610-00 [848) 849)]
2002-2003	XL883/XL883 Hug/XL1200	Front	19”	43619-00A [850) 851)]
2002-2007	XL883C/XL1200C	Front	21“	43610-00A [852) 853) 854) 855) 856) 857)]
2005-2006	XL883R/XL1200R	Front	19”	43619-00A [858) 859)]
2005-2007	XL883C/XL1200C	Front	21“	“Profile” type 43500-05 [860) 861) 862)]
	XL883/XL883L/	Front	19”	43619-00A [863) 864) 865)]
	XL1200R	Front	19“	43629-00A [866) 867) 868)]
2007	XL883R	Front	19”	43629-00A [869)]
	XL1200L/XL50/	Front	19“	43619-00A [870)]
	XL1200N	Front	19”	(black) 43652-07 [871)]

REAR				
Year	**Model(s)**	**Hub Position**	**Rim Size**	**Hub Assembly w/ bearings**
1986-1994	All Models	Rear	16“	40976-86 [872) 873) 874)]
1995-1996	All Models	Rear	16”	40976-86 [875)]
1997-1998	All Models	Rear	16“	40976-86A [876) 877)]
1999	XL883/XL883 Hug/XL1200	Rear	16”	40976-86A [878)]
2000-2003	XL883/XL883 Hug/XL1200	Rear	16“	40976-00 [879)880) 881) 882)]
2004	No laced rear wheels with hubs referenced by HD [883)]			

2005	All Models	Rear	16”	“Profile” 41053-02 [884]
2006	XL883/XL883L/XL883C/XL1200C	Rear	16“	“Profile” 41053-02 [885]
2007	All models (except XL1200N)	Rear	16”	“Profile” 41053-02A [886]
	XL1200N	Rear	16“	(black) 43696-07 [887]

2008 and up hubs are not sold separately but rather as an assembly with the rim

Valve Stems

Cast Wheels

Year	Front/Rear	P/N	Hole Dia	Notes	
1984-1997	Front	43150-83 Obsolete *See Below	0.453” 29/64“ 11.3mm	Metal Base - Two Stepped Threads	
1984-2010 1998-2010	Rear Front	43157-83A	0.344” 11/32“ 8.3mm	Metal Base - Straight Threads	
2011-2018	Front Rear	40999-87	0.453” 29/64“ 11.3mm	Rubber Base, Snap-in Auto Style	
* Napa has P/N 'NTH 90416' - Metal Tire Valve Stem / Hole Size = .453” or .625“ / Length = 1.44” V-Twin also has P/N 28-2130 which is said to be compatible Similarly, most auto stores and Grainger's sell various valve stems at different lengths					

Caution: Per HD Tech Tip #19;
Dice or Eight Ball decorative valve stem caps, or any other type of valve stem cap that is not stock could cause stem tear and rapid deflation of the tire. [888]
The combination of added weight and centrifugal force causes the stem to lean toward the caliper.
The decorative cap being larger than normal may make contact with the caliper at high road speeds.
The Service Department recommends that you do not use these decorative valve stem caps on our vehicles.

Tires

Factory Tire Information

HD Replacement Tire Guide: HERE [https://www.harley-davidson.com/app-content/eStore/OE_and_Recommended_Replacement_Tires.pdf]

- Rim size and contour are cast or stamped into exterior surface of rim.
- Example: T19x2.50 CO DOT. “T” indicates the rim conforms to 'Tire and Rim Association' standards, 19 is the nominal diameter of the rim in inches measured at the bead center diameter, 2.5 is the width of the bead seat measured in inches, CO designates the rim contour, DOT means the rim meets Dept. of Motor Vehicle Standards. [889]
- See also Factory Rear Wheels and Factory Front Wheels
- See also Tire 101 for decoding tire sizes, conversion, cross reference charts, etc.

HD Recommendations per Year Model						
1986 XLH [890]	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**HD Tire Size**	**Rim Valve Hole Dia.**	**Dunlop K181 Tire Size**
	19“ Front	Tubeless Cast	T19x2.15 MT	YYY	0.45”	MJ90-19
	16“ Rear	Tubeless Cast	T16x3.00 D	WWW	0.34”	MT90-16
1987-1990 [891]	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Rim Valve Hole Dia.**	**Dunlop K181 Tire Size**	**Dunlop K291 Tire Size**

	19“ Front	Tubeless Cast	T19-2.15 MT	0.45”	MJ90-19	MJ90-19
	16“ Rear	Tubeless Cast	T16x3.00 D	0.45”	MT90-16	MT90-16
1986-1988 [892]	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Tube Size**	**Dunlop K181 Tire Size**	**Dunlop K291 Tire Size**
	19“ Front	Laced	T19x2.50 TLA	MJ90-19	MJ90-19	MJ90-19
	16” Rear	Laced	T16x3.00 D	MT90-16	MT90-16	MT90-16
1989-1990 [893]	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Tube Size**	**Dunlop K181 Tire Size**	**Dunlop K291 Tire Size**
	19“ Front	Laced	T19x2.50 MTA	MJ90-19	MJ90-19	MJ90-19
	16” Rear	Laced	T16x3.00 D	MT90-16	MT90-16	MT90-16
1991-2003	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Rim Valve Hole Diameter**	**Dunlop D401 Elite S/T Tire Size**	**Dunlop K591 S&FR Elite SP Tire Size**
	19“ Front	Tubeless Cast	T19x2.15 MT[894]	0.45”(11.4mm)	100/90-19	100/90-V19
	16“ Rear	Tubeless Cast	T16x3.00 D[895]	0.45” (11.4mm)	130/90-16	130/90-V16
1991-2003	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Tube Size**	**Dunlop D401 Elite S/T Tire Size**	**Dunlop Touring Elite II Tire Size**
	19“ Front	Laced	T19x2.50 MTA [896]	MJ90-19	100/90-19	—-
	16” Rear	Laced	T16-3.00 D[897]	MT90-16	130/90-16	—-
	21“ Front	Laced	T21x2.15 TLA	3.00×21	—-	MH90-21 56H
	16” Rear	Laced	T16x3.00 D	MT90-16	—-	MT90-B16
2004 [898]	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Rim Valve Hole Diameter**	**Dunlop D401 Elite S/T Tire Size**	**Dunlop D401F Tire Size**
	19“ Front	Tubeless Cast	T19x2.15 MT	0.45”(11.4mm)	100/90-19	100/90-19 57H
	16“ Rear	Tubeless Cast	T16x3.00 D	0.35” (8.9mm)	130/90-16	150/80B16 71H
2004 [899]	**Wheel Size and Position**	**Wheel Type**	**Rim Size and Contour**	**Tube Size**	**Dunlop D401 Elite S/T Tire Size**	**Dunlop D402F Tire Size**
	19“ Front	Laced	T19x2.50 TLA	MJ90-19	100/90-19	—-
	21” Front	Laced	T21x2.15 TLA	3.00×21	—-	MH90-21 M/C 54H
No rear laced tires were factory installed on Sportsters in 2004						

Pics of Wheels

2018 XL1200N Mags [900]

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[1], [2]

Illustration created by IXL2Relax at the XLForum

[3]

Photo by HandOverFist - https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/131446-sportster-wheel-bearing-wheel-fitment?t=1392893 [https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-drivetrain/sportster-motorcycle-tires-wheels-and-brakes-aa/131446-sportster-wheel-bearing-wheel-fitment?t=1392893]
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