2025/10/10 03:05 1/24 IH: Wheels, Brakes & Tires

Table of Contents

IH: Wheels, Brakes & Tires	3
Front Wheel Bearing Lock Nut Retainer	3
Rear Wheel Rim, Tire and Tube Flap	3
Wheel Spokes	3
1979	3
Wheel Hub	4
Rear Wheel Hubs	4
Sub-Documents	4
Rear Wheel Hub Internal Parts	5
Axles & Wheel Bearings	5
Specs For Cast Wheels	5
Front Axle P/N	6
Drawing of '73 Front Axle	6
Front Axle Bearings	6
Front Hub Spacers	7
Measuring / Sizing Wheel Hub Spacers	8
Front Outside Bearing Spacers	8
Right Side Bearing Spacer Washer (between the bearings) 1963-1978	9
Wheels	10
Front	10
Rear	12
Tapered Bead Rims	15
Factory Wheels Pics	16
Tires	17
Tire Fitment Chart	17
Factory Tire Information	18
Tapered Bead Tires	20
Goodyear Taper Bead Tires (70-78)	20

Last update: 2024/01/25 03:48

2025/10/10 03:05 3/24 IH: Wheels, Brakes & Tires



IH: Wheels, Brakes & Tires

Front Wheel Bearing Lock Nut Retainer

A number of 1972 Super Glide and Sportster models were produced with the front wheel bearing lock ring (11035) installed backwards which can result in the front wheel to be loose or the bearing (9009) to lock up. The retaining ring is flat on one side and beveled on the other and used on wheel hubs from 1964-1972 to hold the bearing in the hub. Affected Sportster VINs were (3A or 4A) 39624H2 to 50531H2. Some of the motorcycles affected were caught and corrected at the factory and affected dealers were notified also. But in case some of these motorcycles were already sold to customers, the MoCo treated it as a safety defect in accordance with the National Motor Vehicle Safety laws. The dealers were to remove all suspect front wheels and inspect the retaining ring and bearing for damages at a reimbursed cost of \$2.10 for labor and handling each and reinstall the retainer with the flat side toward the bearing (beveled side out). ¹⁾

Rear Wheel Rim, Tire and Tube Flap

- From September 20, 1966 through the 1969 model season, a rubber tube flap (43148-67) was
 installed on the rear (steel wheel only) of Sportsters before the tube and tire were installed.
- This new tube flap was also recommended as a retro fit to earlier model Sportsters. Consequently, the '59-'69 FSM includes the installation of this flap with no specification of year model used on. However, this new flap did not make it into the 57-67 Parts Catalog or the 68 Supplement Catalog. It first appeared in the 1969 supplement Catalog.
- This is a wider rubber piece than the standard rim strip that extended from bead to bead and all the way around the rim. It rode between the tube and the tire at the bead area and between the tube and the rim at the spoke areas. This change was made as a safety precaution to provide greater protection against tube wear caused by the tire bead edge rubbing on the tube at this point under heavy operating conditions such as off rode or maximum accel / braking conditions.
- The use this rubber flap was ended with the 1969 year models with the introduction of the 1970 year model taper beaded rims and tires.

Wheel Spokes

1979

The procedure for lacing 16 inch wheels changed to make them easier to lace in production. The relationship of the spoke flanges on the wheel hubs changed to match the new lacing pattern. Rims, spokes and nipples did not change. ³⁾

Last update: 2024/01/25 03:48

- With the new style wheels:
 - The inner spoke pairs on opposite sides of the wheel cross each other. The outer spokes on opposite sides of the wheel cross each other.
 - Pick any outside spoke hole and sight straight across the hub. The first spoke hole to the right of the line of sight is an outside spoke hole.
- With the old style wheels:
 - The inner spokes on both sides of the wheel angle in the same direction. All outer spokes angle in the opposite direction.
 - Pick any outside spoke hole and sight straight across the hub. The first spoke hole to the right of the line of sight is an inside spoke hole.

Wheel Hub

• Rim / Hub Dimension Chart - PDF

Front & Re	ar Hubs (by year	and part num	iber)	
FRONT				
Year	Model(s)	Hub Position	Rim Size	Hub and Brake Shell w/ bearings
1953-1963	K/KH/XL/XLH/XLCH	Front	18",19"	43600-52 ⁴⁾
1964-1972	XLH/XLCH	Front	18",19"	43600-64 ⁵⁾
Year	Model(s)	Hub Position	Rim Size	Hub Assembly w/ bearings and seals)
1973	XLH/XLCH	Front	19"	43600-73 ⁶⁾
1974-1977	XLH/XLCH	Front	19"	43600-74 ⁷⁾
1978	XLH/XLCH	Front	19"	43600-78 ⁸⁾
1979-1983	XL/XLS	Front	19"	43600-78 ⁹⁾
1984-1985	XL	Front	19"	43619-84 10)
REAR				
Year	Model(s)	Hub Position	Rim Size	Hub Assembly w/ bearings
1953-1954	K/KH	Rear	19"	41017-52 ¹¹⁾
1955-1963	KH/XL/XLH/XLCH	Rear	18"	41017-55B ¹²⁾
1955-1978	KH/XL/XLH/XLCH	Rear	18"	41017-66A ¹³⁾
1979-1981	XL	Rear	16"	43457-79 14)
1982-1985	XL/XLS/XLX	Rear	16"	40952-82A ¹⁵⁾

Rear Wheel Hubs

Sub-Documents

* . . . Problems Associated with Drum Brake Rear Hubs

2025/10/10 03:05 5/24 IH: Wheels, Brakes & Tires

Rear Wheel Hub Internal Parts



Axles & Wheel Bearings

Specs For Cast Wheels

Front Bearing Info								
Model/Year	Bearing ID/Type	OD*	Width*	AxleType/Threads/WrenchSize				
	3/4" Timken (9052) 1.781" .655"							
1979-85	Hub Spacer = ID=????" OD=????" Length=????"							
1979-05	*=Specs from Timken LM11910 / LM11949							
	Hub depth for bearing (expected to be .820) accommodates .400 width Oil Seal							

Part Numbers For 1979-1985 Wheel Bearings & Spacers

(Based on Ronnie's Microfiche) unless noted otherwise

FRONT AXLE

1979-1985 - 3/4" Front Axle

43623-78 - Sleeve, bearing spacer - 4.564" (Violet)

43624-78 - Sleeve, bearing spacer - 4.550" (Pink)

43625-78 - Sleeve, bearing spacer - 4.536" (Gold)

REAR AXLE

1979-1985 - 3/4" Rear Axle

41563-77 - 3/4" Axle shank, with 5/8"-18 Nut ¹⁷⁾ — Lock Washer, Washer)

9052 — Bearing (Timken Tapered Roller)

• 1979 to 1981

43620-78 Spacer - between bearings - 3.937" (Red)¹⁸⁾

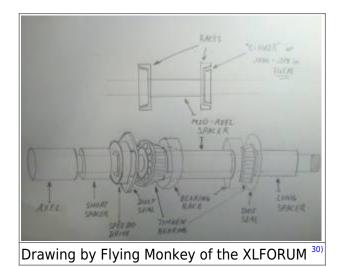
43621-78 Spacer - between bearings - 3.951" (Green)¹⁹⁾

43622-78 Spacer - between bearings - 3.923" (Blue)²⁰⁾

Cast	or Laced W	heels	27) 28) 29)	
Ref.#	Part # _{01/25}	<u>Şi</u> ze	Kit Includes techtalk:ih:wheels01 http://sportsterpedia.com/doku.php/techtalk:ih:	wheels01
	43871-52		Axle Only. Also required are (7067) lock washer	
A01	#9 5/419872		(43886-52) shoulder nut.	
43601	IIIIIOIIIIauoii		ඕ්ඎඅාල්ණ - K4.M4.2 ම්ල් \$ with flanges) 21)	
43602	78 Spacer -	betw	Axie Orly: Also required are (6653) axle washer (5/8" x 1-5/16" x 3/32")	
43603	78 56ace7- 1973-1977	394w	१९% Þ£ariðgswashers (15/8 vith flanges)23)	
A01	1373 1377	OE	(7813) nut (5/8" x 18 x 9/16" x 15/16" Hex)	
• 1	ate 1982-19 Additional	100		
43604	Information	learin	ng spacer - 4.420" (without flanges) (Orange) ²⁴⁾	
43605	48883-77	earin	Axle Only, Also required are (6653) axle Washer (5/8" x 1-5/16" x 3/32")	
43606	79759e€9% 3k	3/4 " earin)	g spacer - 4.420" (without flanges) (Orange) ²⁴⁾ Axle Only , Also required are (6653) axle washer (5/8" x 1-5/16" x 3/32") (7022) lock washer (5/8") flanges) (Yellow) (7022) lock washer (5/8") flanges) (White) ²⁶⁾	
AUI	Additional		(7/013) Ndt (3/0 X·10 X 9/10 X=13/10 Nex)	
	Information			
Fror	it Axle	P/N	Axle Only . Also required are (6653) axle washer (5/8" x 1-5/16" x 3/32")	
	43883-84	3/4"	(7022) lock washer (5/8")	
A01	1984-1987	,	(7813) nut (5/8" x 18 x 9/16" x 15/16" Hex)	
	Additional			
	Information			

Drawing of '73 Front Axle

Click on drawing to enlarge:



Front Axle Bearings

Fac	Factory Information - Front, Cast or Laced Rear Wheels							
	HD Part #	1957-1963 Sportster	- 1952-19	56 K Models - Model Year Front Bearing Info				
B01	9009 (1)	Bearing ID/Type: Ball Bearings (shielded single row)	OD:	Width:				
	9008 (1) (brake side)	Bearing ID/Type: Ball Bearings (open single row)	OD:	Width:				

2025/10/10 03:05 7/24 IH: Wheels, Brakes & Tires

Fact	Factory Information - Front, Cast or Laced Rear Wheels								
	HD Part # 1964-1972 Sportster - Model Year Front Bearing Info Retro fit to 1957-63 Sportster - 1954-1956 K Model								
B02	9009 (2)	Bearing ID/Type: Ball Bearings (shielded single row)	OD: Width:						
	HD Part #	1973-1999	Sportste	r Model -	Year Front Bearing Info				
		Bearing ID/Type:	OD:	Width:					
	9052 (2)	3/4" Timken	1.781"	.655"	Solid - 5/8-18UNF - 15/16Nut&Head				
B03		Hub Spacer = ID=????" OD=????" Length=????"							
		Hub depth for bearing (expected to be .820) accommodates .400 width Oil Seal							
		*=Specs ta	*=Specs taken from Timken LM11910 / LM11949 Bearing Components						
	47519-83A (2)	Wheel Bearing Oil Seal -	Fits in hub	after bea	ring installed				

Front Hub Spacers

H01		
	HD PART #	CENTER HUB BEARING SPACER (with flange)
1953-1963 XL/XLC/XLH/XLCH	43740-52 31)	Length ??
1952-1956 K Models	HD PART #	Bearing Washer (shim)
18" & 19" Laced Wheels	41205-52	
(chrome or aluminum)	HD PART #	Bearing Locknut
	41201-52	
H02	Replaced 4	3740-52 for previous year models
1964-1972 XLH/XLCH 32) 18" & 19" Laced Wheels (chrome or aluminum)	HD PART #	CENTER HUB BEARING SPACER (with flange)
Retro fit to 1954-1956 K Models ³³⁾ 1957-1963 Sportster ³⁴⁾	43740-64	Length ??
ноз		973 single spacer (43745-73) y variable length spacers below
1974-1977 XLH/XLCH 35)	HD PART #	CENTER HUB BEARING SPACER (no flange)
19" Cast 7 / 9 Spoke	43745-73	Replaced by spacers below
1973-1978 XLH/XLCH 36)	43633-74	Length - 2.162" (White / Red) 38)
19" Laced	43634-74	Length - 2.177" (Orange / Green) 39)
All w/ Single Disc Brake 37)	43635-74	Length - 2.148" (Violet / Gold) 40)
H04		
1978 XLH/XLCH ⁴¹⁾ 19" Cast 7 / 9 Spoke	HD PART #	CENTER HUB BEARING SPACER (no flange)
Dual Disc Brake	43469-77	
H05		

1979-1991 XL/XLH/XLCH/XLCR 19" Cast 7 / 9 Spoke or Laced Dual Disc Brake

Last update: 2024/01/25 03:48

HD PART #	CENTER HUB BEARING SPACER (no flange)
43623-78	Length - 2.564" (Violet) 42) 43) 44)
43624-78	Length - 2.550" (Pink) 45 46 47)
43625-78	Length - 2.536" (Gold) 48) 49) 50)

Measuring / Sizing Wheel Hub Spacers

- ullet If your unsure of which hub spacer you need , the best way to find out is to mock up your wheel / hub and do some measuring: $^{51)}$
 - Wheel bearing endplay should be.004"-.018" with the axle nut torqued to 60-70 ft/lbs. 52)
- 1. Install outer races into the hub, make sure they're fully seated. Don't install any seals yet.
- 2. Clamp the axle in a vise vertically, threaded end up.
- 3. Put axle spacer onto axle. (doesn't really matter which one)
- 4. Slide 1 bearing onto the axle. (no grease or oil in the bearing)
- 5. Put hub/wheel onto the axle.
- 6. Slide bearing spacer onto the axle.
- 7. Slide the other cone onto the axle.
- 8. Put a spacer onto the axle that's long enough to reach the axle threads and still leave enough room to put the axle nut on.
- 9. Put the axle nut on and snug it up. (not too tight yet)
- 10. Lift the rim/hub and see if you have any end play.
 - 1. If you have too much, the spacer is too long and a shorter spacer is needed. You can try and find a shorter spacer or shorten the one you have. (a lathe is the best way to shorten it).
 - 2. If you don't have any play, the spacer is too short. Add shims until you get just a little play.
- 11. Once you have a little end play, torque the axle nut to 60ft/lbs and check end play again. Use shims to get your desired end play (shown in the FSM).
- 12. When you have the correct end play you can either: use with the spacer and shims that you have in there, or have a single spacer machined to the combined length of the spacer and shims.

Front Outside Bearing Spacers

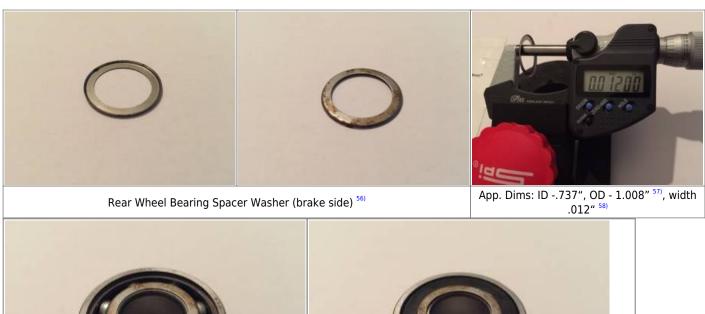
	Against Left Bearing	Against Right Bearing	Year Model Info
BS01	43636-52 Grease Retainer ID: OD: Width:	41201-52 Bearing Locknut ID: OD: Width:	1957-1972 Sportster 1952-1956 K Models Laced Front Wheel
BS01	PID: OD: Width:	PID: OD: Width:	Laced Front Wheel
BS01	PID: OD: Width:	PID: OD: Width:	Laced Front Wheel

2025/10/10 03:05 9/24 IH: Wheels, Brakes & Tires

	Against Left Bearing	Against Right Bearing	Year Model Info
	?	?	
BS01	ID:	ID:	Laced Front Wheel
рэот	OD:	OD:	Laced Front Wheel
	Width:	Width:	

Right Side Bearing Spacer Washer (between the bearings) 1963-1978

- On 1963-1978 XLH/XLCH Models, a bearing spacer washer HD part #41195-63 (or V-Twin part number 44-0395 ⁵³⁾) is placed between the two bearings on the right hub (brake side). This spacer washer is reportedly not installed at the factory but is a service part for alignment where the aluminum back plate butts to the bearing inner race due to wear. The race will plow right into the soft back plate when the axle flexes ⁵⁴⁾.
 - This is not a grease shield for the bearing. The grease shield used on the brake side →'62 was no longer in use by '63 and up models.
- This small washer has a lip, its very thin, and is not a regular flat washer. It goes in between the right side bearings in the hub, and pushes/holds the outer bearing flush with the hub where it goes up against the inside of the brake backing plate. Others have also said it is OK to use a second one in between the backing pate and the outer bearing if you need a little clearance so the backing plate wont rub, but if you need more than those 2, you should look inside your hub for issues... 55)



Last update: 2024/01/25 03:48

Wheels

Front

See also Factory Tire Information
All front wheels are the same from '74-'77 61)

Front Wheel 1957-1985

Sportster Model			Wheel and Position	HD Wheel Assembly without bearings & bearing spacer	Wheel Assembly includes brake shell
XLC 900 (883)	1958	19"	Front Laced (chrome)	43506-52 62) 63)	(drum brakes)
XLH 900 (883)	1957-1959	18"	Front Laced (chrome)	43507-53 ^{64) 65)}	(drum brakes)
XLCH 900 (883)	1958-1963	19"	Front Laced (chrome)	43506-52 66) 67)	(drum brakes)
		Fr	ont Wheel		Notes
Sportster Model	Year	Size	Wheel and Position	HD Wheel Assembly w/ bearings & bearing spacer	Wheel Assembly includes brake shell
XLH 900 (883)	1960-1963	18"	Front Laced (aluminum)	43496-60 ⁶⁸⁾	(drum brakes)
	1960-1963	19"	Front Laced (aluminum)	43497-60 ⁶⁹⁾	(drum brakes)
	1964-1967	18"	Front Laced (aluminum)	43496-64 ⁷⁰⁾	(drum brakes)
	1967-1969	19"	Front Laced (aluminum)	43497-64 ⁷¹⁾	(drum brakes)
	1970-1972	18"	Front Laced (aluminum)	43496-64 ⁷²⁾	(drum brakes)
	1970-1972	19"	Front Laced (aluminum)	43495-70 ⁷³⁾	(drum brakes)
	1970-1972	19"	Front Laced (chrome)	43505-70 ⁷⁴⁾	(drum brakes)
Also used on '73 FX	1973	19"	Front Laced (chrome)	43509-73 ⁷⁵⁾	(single disc brake)
Also used on FX/FXE	1974-1977	19"	Front Cast 7 Spoke (black)	43522-77 ⁷⁶⁾	(single disc brake)
	1974-1977	19"	Front Cast 9 Spoke (black)	43615-74 ⁷⁷⁾	(single disc brake)
	1974-1977	19"	Front Laced (aluminum)	43508-74 ⁷⁸⁾	(single disc brake)
Also used on '74-'77 FX	1974-1977	19"	Front Laced (chrome)	43509-74 ⁷⁹⁾	(single disc brake)
	1978	19"	Front Cast 7 Spoke	43461-7880)	(dual disc brake)

2025/10/10 03:05 11/24 IH: Wheels, Brakes & Tires

	1			01)	1
	1978	19"	Front Cast 9 Spoke	43617-8381)	(dual disc brake)
	1978	19"	Front Cast 9 Spoke (black)	43320-80 ⁸²⁾	(dual disc brake)
	1978	19"	Front Laced (aluminum)	43351-78 ⁸³⁾	(dual disc brake)
Also used on '78-'81 FX,FXE FXEF, FXEF-80 FXE-80 models ⁸⁴⁾	1978	19"	Front Laced (steel)	43341-78 ⁸⁵⁾	(dual disc brake)
XLCH 900 (883)	1960-1963	18"	Front Laced (aluminum)	43496-6086)	(drum brakes)
	1960-1963	19"	Front Laced (aluminum)	43497-60 ⁸⁷⁾	(drum brakes)
	1964-1969	19"	Front Laced (aluminum)	43497-6488)	(drum brakes)
	1970-1972	19"	Front Laced (aluminum)	43495-70 ⁸⁹⁾	(drum brakes)
	1970-1972	19"	Front Laced (chrome)	43505-70 ⁹⁰⁾	(drum brakes)
	1973	19"	Front Laced (chrome)	43509-73 ⁹¹⁾	(single disc brake)
43522-77 also on FX/FXE	1974-1977	19"	Front Cast 7 Spoke (black)	43522-77 ⁹²⁾	(single disc brake)
	1974-1977	19"	Front Cast 9 Spoke (black)	43615-74 ⁹³⁾	(single disc brake)
	1974-1977	19"	Front Laced (aluminum)	43508-74 ⁹⁴⁾	(single disc brake)
	1974-1977	19"	Front Laced (chrome)	43509-74 ⁹⁵⁾	(single disc brake)
	1978	19"	Front Cast 7 Spoke	43461-78 ⁹⁶⁾	(dual disc brake)
	1978	19"	Front Cast 9 Spoke	43617-83 ⁹⁷⁾	(dual disc brake)
	1978	19"	Front Cast 9 Spoke (black)	43320-80 ⁹⁸⁾	(dual disc brake)
	1978	19"	Front Laced (aluminum)	43351-78 ⁹⁹⁾	(dual disc brake)
43341-78 also on '78-'81 FX,FXE FXEF, FXEF-80 FXE-80 models ¹⁰⁰⁾	1978	19"	Front Laced (steel)	43341-78 ¹⁰¹⁾	(dual disc brakes)
XLH 1000	1979	19"	Front Cast 9 Spoke	43311-78 ¹⁰²⁾	(dual disc brake)
	1979-1983	19"	Front Cast (black)	43617-83) ¹⁰³⁾	(dual disc brake)
	(L) 1979-1983	19"	Front Laced	43321-79 ¹⁰⁴⁾	(dual disc brake)
43312-84 also on '84 FXE 105)	1984-1985	19"	Front Laced	43312-84 106)	(single disc brake)
XLCH 1000					
Also used on '77 FXS 78-80 FX/FXEF FXS-80/FXEF-80	1979	19"	Front Cast 9 Spoke	43311-78 ¹⁰⁷⁾	(dual disc brake)
XLCR 1000	1977	19"	Front Cast 7 Spoke	43499-77 108)	without bearings/ sleeve (dual disc brakes)
	1978	19"	Front Cast 7 Spoke	43499-78 ¹⁰⁹⁾	without bearings/ sleeve (dual disc brakes)
XLS 1000	1979	19"	Front Cast 9 Spoke	43311-78 110)	(dual disc brake)
	1979-1982	19"	Front Cast 9 Spoke (black)	43617-83)111)	(dual disc brake)

Last upd	ate.	20	24	/N1	/25	03.4	48

	(L) 1979-1983	19"	Front Laced	43321-79 ¹¹²⁾	(dual disc brake)
	1983	19"	Front Cast 9 Spoke	43309-83 ¹¹³⁾	(dual disc brake)
	1984-1985	19"	Front Cast 9 Spoke (black-tubeless)		First use of tubeless tires (single disc brake)
Also used on '84 FXE 115)	1984-1985	19"	Front Laced	43312-84 116)	(single disc brake)
XLX-61 (1000)	1983	19"	Front Cast 9 Spoke (black)	43617-83) ¹¹⁷⁾	(dual disc brake)
	1984-1985	19"	Front Cast 9 Spoke (black-tubeless)		First use of tubeless tires (single disc brake)
	1984-1985	19"	Front Cast 9 Spoke (silver-tubeless)	43338-83A ¹¹⁹⁾	(single disc brake)

Rear

See also Factory Tire Information
All rear wheels 55-78 will interchange. 120)

Rear Wheel 1957 - 1985

Sportster Model	Year	Size	Wheel and Position	HD Wheel Assembly w/ bearings & bearing spacer	
XL 900 (883)	1957	18"	Rear Laced (chrome)	40989-53B ¹²¹⁾	(drum brakes) also fits '53-56 K models
	1957-1959	18"	Rear Laced (chrome)	40989-53A ^{122) 123)}	(drum brakes) also fits '53-56 K models
	1957-1959	18"	Rear Laced (chrome)	40989-53C ¹²⁴⁾	(drum brakes)
	1957-1959	18"	Rear Cast 7 Spoke (black)	41037-77 125)	Option retro'd for prior years (drum brakes)
	1957-1959	16"	Rear Cast 7 Spoke	41035-77A ¹²⁶⁾	Option retro'd for prior years (drum brakes)
	1957-1959	18"	Rear Cast 9 Spoke (black)	40999-78 127)	Option retro'd for prior years (drum brakes)
	1957-1959	18"	Rear Cast 9 Spoke (gold)	41002-78 128)	XLH 75th Anniversary - option retro'd for prior years (drum brakes)

2025/10/10 03:05 13/24 IH: Wheels, Brakes & Tires

					,
XLH 900 (883)	1958-1959	18"	Rear Laced (chrome)	40989-53A ¹²⁹⁾ 130)	(drum brakes) also fits '53-56 K models
	1958-1963	18"	Rear Laced (chrome)	40989-53C ¹³¹⁾	(drum brakes)
	1960-1963	18"	Rear Laced (aluminum)	40990-60A ¹³²⁾	(drum brakes)
	1960-1969	18"	Rear Laced (aluminum)	40990-60C ¹³³⁾	(drum brakes)
	1970-1971	18"	Rear Laced (chrome)	40989-70 ¹³⁴⁾	(drum brakes)
	1970-1971	18"	Rear Laced (aluminum) Low Road Clearance	40990-60C ¹³⁵⁾	(drum brakes)
	1958-1971	18"	Rear Cast 7 Spoke (black)	41037-77 136)	Option retro'd for prior years (drum brakes)
	1958-1971	16"	Rear Cast 7 Spoke	41035-77A ¹³⁷⁾	Option retro'd for prior years (drum brakes)
	1958-1971	18"	Rear Cast 9 Spoke (black)	40999-78 138)	Option retro'd for prior years (drum brakes)
	1958-1978	18"	Rear Cast 9 Spoke (gold)	41002-78 139)	XLH 75th Anniversary - option retro'd for prior years (drum brakes)
XLCH 900 (883)	1958-1959	18"	Rear Laced (chrome)	40989-53A ¹⁴⁰⁾ ¹⁴¹⁾	(drum brakes) also fits '53-56 K models
	1958-1963	18"	Rear Laced (chrome)	40989-53C ¹⁴²⁾	(drum brakes)
	1960-1963	18"	Rear Laced (aluminum)	40990-60A ¹⁴³⁾	(drum brakes)
	1960-1969	18"	Rear Laced (aluminum)	40990-60C ¹⁴⁴⁾	(drum brakes)
	1970-1971	18"	Rear Laced (chrome)	40989-70 ¹⁴⁵⁾	(drum brakes)
	1970-1971	18"	Rear Laced (aluminum)	40991-70A ¹⁴⁶⁾	(drum brakes)
	1958-1971	18"	Rear Cast 7 Spoke (black)	41037-77 147)	Option retro'd for prior years (drum brakes)
	1958-1971	16"	Rear Cast 7 Spoke	41035-77A ¹⁴⁸⁾	Option retro'd for prior years (drum brakes)
	1958-1971	18"	Rear Cast 9 Spoke (black)	40999-78 ¹⁴⁹⁾	Option retro'd for prior years (drum brakes)
	1958-1978	18"	Rear Cast 9 Spoke (gold)	41002-78 150)	XLH 75th Anniversary - option retro'd for prior years (drum brakes)
XLH 1000	1972-1977	18"	Rear Laced (chrome)	40989-70 ¹⁵¹⁾	(drum brakes)
	1973-1978	18"	Rear Laced (aluminum)	40991-70A ¹⁵²⁾	(drum brakes)

	1972-1978	18"	Rear Cast 7 Spoke (black)	41037-77 153)	Option retro'd for prior years (drum brakes)	
	1972-1978	1972-1978 16" Rear Cast 7		41035-77A ¹⁵⁴⁾	Option retro'd for prior years (drum brakes)	
	1972-1978	18"	Rear Cast 9 Spoke (black)	40999-78 ¹⁵⁵⁾	Option retro'd for prior years (drum brakes)	
	(E)1979	18"	Rear Cast 9 Spoke	40962-79 ¹⁵⁶⁾ 40952-79 ¹⁵⁷⁾	(disc brake - this year & all future models)	
	(L) 1979-1980	16"	Rear Laced (chrome)	43720-79 158)		
	1980	16"	Rear Cast 9 Spoke (black)	40953-79A 159)		
	1981	16"	Rear Cast 9 Spoke (black)	40955-81 160)		
	1981	16"	Rear Laced (chrome)	43720-81 161)		
	1982-1985	16"	Rear Laced (chrome)	40951-82 ¹⁶²⁾		
	1982-1985	16"	Rear Cast 9 Spoke	41015-82A 163)		
	1958-1978 18		Rear Cast 9 Spoke (gold)	41002-78 164)	XLH 75th Anniversary - option retro'd for prior years (drum brakes)	
XLCH 1000	1972-1977	18"	Rear Laced (chrome)	40989-70 ¹⁶⁵⁾	(drum brakes)	
	1972-1978 18" R		Rear Laced (aluminum) 40991-70A ¹⁶⁶⁾		(drum brakes)	
	1972-1978	18"	Rear Cast 7 Spoke (black)	41037-77 167)	Option retro'd for prior years (drum brakes)	
	1972-1978	16"	Rear Cast 7 Spoke	41035-77A ¹⁶⁸⁾	Option retro'd for prior years (drum brakes)	
	1972-1978	18"	Rear Cast 9 Spoke (black)	40999-78 ¹⁶⁹⁾	Option retro'd for prior years (drum brakes)	
	1979	18"	Rear Cast 9 Spoke	40962-79 ¹⁷⁰⁾ 40952-79 ¹⁷¹⁾	,	
	1958-1978	18"	Rear Cast 9 Spoke (gold)	41002-78 172)	XLH 75th Anniversary - option retro'd for prior years (drum brakes)	
XLCR 1000	1977	18"	Rear Cast 7 Spoke	40995-77 173)	without bearings/ sleeve (disc brake)	
	1978	18"	Rear Cast 7 Spoke	40995-78 174)	without bearings/ sleeve (disc brake)	

2025/10/10 03:05 15/24 IH: Wheels, Brakes & Tires

XLS 1000	1979	16"	Rear Cast 9 Spoke	40963-79 ¹⁷⁵⁾	
	1979-1980	16"	Rear Cast 9 Spoke (black)	40953-79A ¹⁷⁶⁾	
	(L)1979-1980	16"	Rear Laced (chrome)	43720-79 ¹⁷⁷⁾	
	1981	16"	Rear Cast 9 Spoke (black)	40955-81 178)	
	1981	16"	Rear Laced (chrome)	43720-81 179)	
	1982	16"	Rear Cast 9 Spoke	41015-82A ¹⁸⁰⁾	
	1982-1985	1982-1985 16" Rear Laced (chrome)		40951-82 181)	
	1983-1985	16"	Rear Cast 9 Spoke	40983-83A ¹⁸²⁾	
	1984-1985	16"	Rear Cast 9 Spoke	41015-82A ¹⁸³⁾	
XLT 1000	1977-1978	18"	Rear 7 Spoke (black)	41037-77 184)	Option retro'd for prior years (drum brakes)
XLX-61 (1000)	1983-1985	16"	Rear Laced (chrome)40951-82 185)		
	1983-1985	16"	Rear Cast 9 Spoke	41015-82A ¹⁸⁶⁾	
	1983-1985	16"	Rear Cast 9 Spoke	40983-83A ¹⁸⁷⁾	

Tapered Bead Rims

The "special" tapered wheels that were paired to the "special" tapered bead rims were known as "C-section" rims. 188)

"C-section" rims can be positively identified after the tire is removed from the rim by the part numbers stamped in rim.

The taper was at the 'normally flat' area from the inside bead seat corner and the shelf edge at the drop towards the drop center.

The metal 'shelf' tapered toward the center with a safety hump just before the drop down.

This was a "special package" buy from Goodyear with the rim included since you couldn't buy the tires to properly fit the rims anywhere else but them.

- "C-section" Rim Part#s for "High Ground Clearance" Sportsters:
 - Steel Rims:
 - Front (43003-70) 19 x 2.50C
 - Rear (43004-70) 18 x 2.50C
 - Aluminum Rims:
 - Front (43010-70) 2.50C-19
 - Rear (43008-70) 2.50C-18

Standard low clearance models did not have the "special" rims and use standard tires.

- Other notes:
 - 43005-70 steel 18" steel spool rear drum
 - 43008-70 (250 C) aluminum 18" steel spool rear drum
 - 43002-70 steel 19" '64-72 style front drum
 - 43010-70 aluminum 19" '64-72 style front drum
 - 42998-74 (250 C) aluminum 19" aluminum hub front disc (made in Italy)

∘ 43018-73 steel 19" aluminum hub front disc

Factory Wheels Pics

Click on a picture to enlarge it.



2025/10/10 03:05 17/24 IH: Wheels, Brakes & Tires



Tires

Tire Fitment Chart

- HD issued a bulletin in June of 1978 regarding tire fitment on 1000cc, 1200cc and 1340CC models for proper matching of tires and rims. ¹⁹²⁾
 - "For the personal safety of the motorcycle rider, tires and inner tubes must be correctly matched to the wheel rims. Mismatching tires, tubes and rims may result in damage to the tire bead during mounting or may allow the tire to slip on the rim damaging the tube and causing rapid tire deflation. In addition, using tires and tubes other than those specified may adversely affect motorcycle stability".
 - Tires:
 - Use only tube type tires with inner tubes on all Harley-Davidson wheels. Tubeless type tires will not seat properly. Protective rubber rim strips must be used on laced (wire spoke) wheels.
 - 16" (seven spoke cast) wheel requires a center valve tube (40553-78) while all other 16" wheels use a side valve tube (40550-77). Tires were interchangeable between cast and laced (wire spoke) wheels.
 - 18" tires and tubes were not interchangeable between cast and laced (wire spoke) wheels. The bead <u>diameter</u> of the MN90-18 tire was app. 0.075" (app. the thickness of a nickel) larger than the 4.25-18T tire.
 - 19" used the same size tube for both cast and laced (wire spoke) wheels but the tires were not interchangeable. The MJ90-19 tire also had a larger bead diameter.

June 1978 ¹⁹³⁾									
Wheel Size	Wheel Description	Models	Tube Size (Goodyear)	Tire Size					
	Rear Cast 7 Spoke	FX/FXE/FXS	MT-90-16cv (center valve)	5.00-16T					
16"	Front & Rear Laced 16 Spoke			5.10-16T					
	Rear Laced & Cast 9 Spoke	FX/FXE/FXS	G5.10-16T (side valve)	MT-90-16T					
18"	Rear Laced	VI /VI LI/VI CLI/VI T/VI CD	W18 / W19	4.25-18T					
10	Rear Cast 7 or 9 Spoke	XL/XLH/XLCH/XLT/XLCR	V18 / V19	MN90-18					
	Front Laced	XL/XLH/XLCH/XLT/XLCR		3.75-19T					
19"		FX/FXE/FXS	V19 / V19	MM90-19T					
	Front Cast 7 or 9 Spoke	17,17,12,17,0		MJ-90-19					

Factory Tire Information

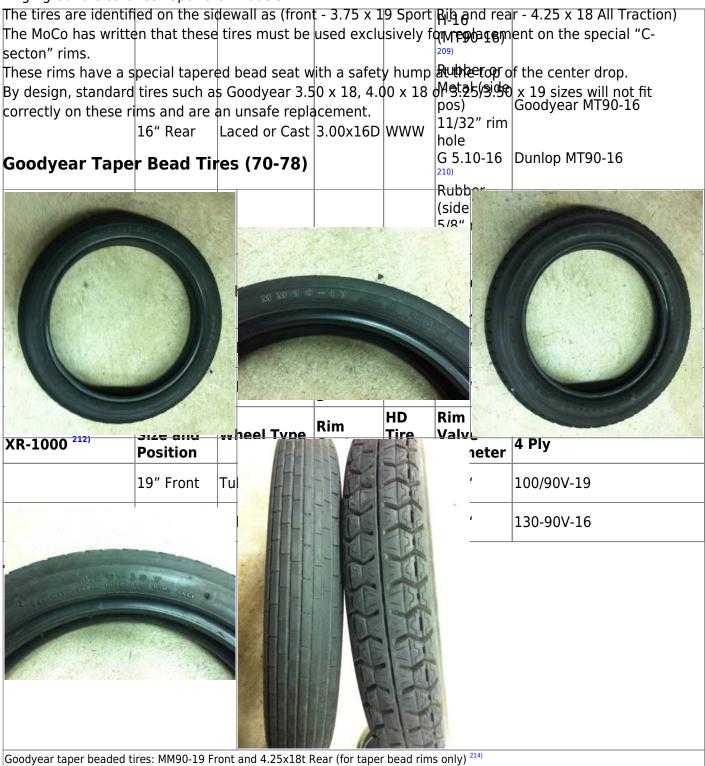
- Rim size and contour are cast or stamped into exterior surface of rim.
- Example: T19x2.50 CO DOT. "T" indicates the rim conforms to 'Tire and Rim Association' standards, 19 is the nominal diameter of the rim in inches measured at the bead center diameter, 2.5 is the width of the bead seat measured in inches, CO designates the rim contour, DOT means the rim meets Dept. of Motor Vehicle Standards. ¹⁹⁴⁾
- See also Factory Rear Rims and Factory Front Rims
- See Tire 101 for decoding sizes, conversion, cross reference charts, etc.

HD Recommendation	ons per Year	Model					
1957-1959 XL	Wheel Size and Position	Tire Size	Recomme Tire Pres				
	18" Front and Rear	3.50×18	14 psi Fro	nt, 18 psi Rear			
1958-1966 XLH	Wheel Size and Position	Tire Size					
	18" Front and Rear	3.50×18	14 psi Front, 18 psi Rear				
1967-1969 XLH	Wheel Size and Position	Tire Size					
	19" front	3.25/3.5×19	16 psi				
	18" Rear	4.00×18"	20 psi				
1959-1969 XLCH	Wheel Size and Position	Tire Size					
	19" Front	3.25/3.50×19	14 psi				
	18" Rear	4.0 x 18	18 psi				
1970-1978 ¹⁹⁵⁾	Wheel Size and Position	Wheel Type	Rim Contour	Tire Size (Goodyear or Yokohama) Use corresponding size inner tubes	Recommended Tire Pressure		

2025/10/10 03:05 19/24 IH: Wheels, Brakes & Tires

XLH-XLCH-XLT	19" Front	Cast, 7 or 9 spoke	T 19 2.15 TL ¹⁹⁶⁾	MJ90-19	MJ90-19 * (XLT use Yokohama Y-980 only)				
XLH-XLCH-XLT	19" Front	Laced		(Taper	se on taper base beau filli		18 psi ¹⁹⁹⁾		
XLH-XLCH-XLT	18" Rear	Cast, 7 or 9 spoke	T 18 2.50			able use Yokohama			
XLH/XLCH/XLT	18" Rear	Laced		tire size	BT (Taper ba e, use on tar m only) ²⁰¹⁾		30 psi ²⁰²⁾		
XLH-XLCH	16" Rear (accessory)	Cast 7 spoke		MT90-1	6 / 5.00-167	Г / 5.10-16Т			
1979 XLH-XLCH- XLS ²⁰³⁾	Wheel Size and Position	Wheel Type	Rim Contour	HD Tire Series			Goodyear Tire Size 4 Ply		
	19" Front	Laced Early '79	2.50 CM	NA	V 18/19	Sport Rib (Tapered Bead) 204)	MM90-19T		
	19" Front	Laced Late '79	2.50 TLA	YYY	V 19/19	Eagle A/T	MJ90-19		
	19" Front	Cast	2.15 TL	YYY	V 18/19	Eagle A/T	MJ90-19		
	18" Rear	Laced Early '79	2.50 CM	NA	W 18/19	All Traction (Tapered Bead) ²⁰⁵⁾	4.25-18T		
	18" Rear	Cast	2.50 TL	NA	V 18/19	Eagle A/T	MN90-18 Tire obsolete, Acceptable replacement 120/90-18 ²⁰⁶⁾		
	16" Rear	Laced	3.00 D	www	G5.10-16	Eagle A/T	MT90-16		
	16" Rear	Cast	3.00 D	www	G5.10-16	Eagle A/T	MT90-16		
1980-1985 XLH- XLS-XLX ²⁰⁷⁾	Wheel size and Position	Wheel Type	Rim Contour	HD Tire Series	Tube Size ²⁰⁸⁾ / Valve Stem Type	Tire Size Goodyear Eagle A/T or Dunlop K181 4 Ply			
	19" Front	Laced	2.50×19 TLA	YYY	MJ90-19 Rubber	Eithar bran	d MI00 10		
	19" Front	Cast	2.15×19 TL	YYY	(center pos.)		u MJ90-19		

Starting in 1970, Harley Davidson partnered with Goodyear for new "special" tires and rims for standard Last update: 2024/01/25 03:48." Sportster models. 213) techtalk:ih:wheels01 http://sportsterpedia.com/doku.php/techtalk:ih:wheels01 http://sportsterpedia.com/doku.php/techtalk:ih:wheels01



Go To Technical Menu

1)

HD Service Bulletin #638 dated August 14, 1972 pg OC-407

2)

HD Service Bulletin #545A dated June 7, 1968 as revised in April of 1970 pg OC-230

2025/10/10 03:05 21/24 IH: Wheels, Brakes & Tires

```
HD Service Bulletin #M-738 dated October 17, 1978
4) 64) 69) 87)
HD 1953-1963 Sportsters and KH Models Parts Catalog pg44
5) 70) 71) 72) 73) 74) 88) 89) 90)
HD XLH, XLCH 1000 Sportster Parts Catalog pg 87 (99451-78B)
6) 7) 8) 75) 78) 79) 83) 85) 91) 94) 95) 99) 101)
HD XLH, XLCH 1000 Sportster Parts Catalog pg 89 (99451-78B)
9) 10) 104) 106) 112) 116)
HD 1979-1985 XL Parts Catalog pg 75
11) 12) 124) 131) 132) 142) 143)
HD 1953-1963 Sportsters and KH Models Parts Catalog pg 41
13) 133) 134) 135) 144) 145) 146) 151) 152) 165) 166)
HD XLH, XLCH 1000 Sportster Parts Catalog pg 79 (99451-78B)
14) 15) 158) 161) 162) 177) 179) 181) 185)
HD 1979-1985 XL Parts Catalog pg 65
1971 rear wheel hub components by The Doctor71 of the XLFORUM
https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-s
pecific/ironhead-sportster-motorcycle-talk-1957-1985/192374-rear-axle-spacer-and-swingarm-question-
kinda-long/page4?postid=5643997#post4166723
17)
Iron Mike of the XLFORUM
18) 19) 20) 21) 22) 23) 24) 25) 26)
1979-1985 HD Sportster Parts Catalog pg 63
Spare Parts Catalog for All Sportster and K Models pg 34
Spare Parts Catalog for All Sportster and K Models 1952-1959 pg 39
1979-1985 HD Sportster Parts Catalog pg 73-75
https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-s
pecific/ironhead-sportster-motorcycle-talk-1957-1985/134980-front-axle-help-
needed/page2?t=1457354&highlight=front+hub+spacers&page=2
31)
1952-1959 Spare Parts Catalog for all Sportster and K Models pg 39
1954-1976 HD Sportster Parts Catalog pg 63
1954-1978 HD Sportster Parts Catalog pg 91
1954-1978 HD Sportster Parts Catalog pg 89
37) 38) 39) 40) 44) 47) 50)
HD Service Bulletin #M-734 dated July 5, 1978
1979-1985 HD Sportster Parts Catalog pg 53-55
1991-1992 HD Sportster Parts Catalog pg 47-49
```

rivethog of the XLFORUM

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/151876-wheels-hub-

```
spacers/page2?t=1638639&page=2
```

```
1979-1985 Sportster FSM pgs 2-9, 2-15
```

Icefire of the XLFORUM

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/141577-size-of-the-rear-wheel-spacer-washer/page2?t=1533577&highlight=size+rear+wheel+spacer+washer&page=2

Dr Dick

58)

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/172161-rear-wheel-bearing-spacer?t=1844782

photos by DirtyHarry68 of the XLFORUM

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/191853-rear-drum-parts-wear-advice/page3?t=2047584&page=3

(Doc o of the XLFORUM

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/141577-size-of-the-rear-wheel-spacer-washer?t=1533577

DirtyHarry68 of the XLFORUM

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/191853-rear-drum-parts-wear-

```
advice/page3?t=2047584&page=3
```

photo by DirtyHarry68 of the XLFORUM

https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-specific/ironhead-sportster-motorcycle-talk-1957-1985/191853-rear-drum-parts-wear-

```
advice/page3?t=2047584&page=3
```

```
Dr Dick
62) , 66) , 68) , 86)

HD 1953-1963 Sportsters and KH Models Parts Catalog pg 44
63) , 65) , 67)

1952-1959 HD Sportster and K Model Spare Parts Catalog pg 39
76) , 77) , 80) , 81) , 82) , 92) , 93) , 96) , 97) , 98)

HD XLH, XLCH 1000 Sportster Parts Catalog pg 91 (99451-78B)
84) , 100) , 105) , 115)

1971-1984 HD FX Parts Catalog pg 119
102) , 107) , 110)

1979 Harley Davidson XLH/XLCH/XLS-1000 Parts Catalog pg45
103) , 111) , 113) , 114) , 117) , 118) , 119)
```

2025/10/10 03:05 23/24 IH: Wheels, Brakes & Tires

```
HD 1979-1985 XL Parts Catalog pg 73
1977 HD XLCR Parts Catalog pg 43
1978 HD XLCR Parts Catalog Supplement pg 43
DR Dick
121)
OSKRG/www.harleyKmodel.com Spare Parts Catalog for Sportster and K models pg 30
122) 129) 140)
Replaced 40989-53B
123) 130) 141)
1952-1959 HD Spare Parts Catalog pg 36
125) 126) 127) 128) 136) 137) 138) 139) 147) 148) 149) 150) 153) 154) 155) 164) 167) 168) 169) 172) 184)
HD XLH, XLCH 1000 Sportster Parts Catalog pg 81 (99451-78B)
156) 170)
1979 Harley Davidson XLH/XLCH/XLS-1000 Parts Catalog pg 39
157) 159) 160) 163) 171) 176) 178) 180) 182) 183) 186) 187)
HD 1979-1985 XL Parts Catalog pg 63
HD 1977 XLCR Parts Catalog pg 37
HD 1978 XLCR Parts Catalog Supplement pg 37
1979 Harley Davidson XLH/XLCH/XLS-1000 Parts Catalog
HD Service Bulletin #597
Photo by Mike02king of the XLFORM
190) 191) 214)
photos courtesy of The Doctor71 of the XLFORUM
HD Service Bulletin #M731 dated June 20, 1978
194) 203) 207) 211)
1979-1985 HD Sportster FSM
1970-1978 HD Sportster Parts Catalog pg 1-1
Mike02king from the XLFORUM
https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-era-specific-and-model-s
pecific/ironhead-sportster-motorcycle-talk-1957-1985/188763-morris-mag-wheels-on-a-73-xlch-
s?t=2010145
197)
The Doctor71 of the XLFORUM
198) 199) 201) 202)
HD Shop Dope Service Bulletin No 516A update from Oct 15, 1966
204) 205) 206)
HD Service School service bulletin #597
```

Last update: 2024/01/25 03:48

Manufacturer - Carlisle Tire & Rubber Company 209) 210)

HD Service Bulletin #M-838 dated October 2, 1981

HD Service Bulletin #M-867 dated March 11, 1983

From:

http://sportsterpedia.com/ - Sportsterpedia

Permanent link:

http://sportsterpedia.com/doku.php/techtalk:ih:wheels01

Last update: 2024/01/25 03:48

