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REF: Wheels, Brakes & Tires

Rim Construction

1. The aluminum alloy cast wheel has been used with both tube and tubeless type tires.
 - Tube type aluminum wheels are no longer in production by the MoCo.
2. The disc type wheel has been manufactured as either:
 - Two assembled halves, bolted and riveted together (no longer in production).
 - Cast as one piece.
3. The steel alloy rim with chrome finish used with laced (or spoke) type rims.
4. The extruded aluminum rim was used on 18" and 19" spoked rims on XL and FX models until 1979.

Rim Profile

The rim profile is the configuration or the shape of the inside of the rim along with the width and diameter stamping.

The different profiles are generally marked on the outside of the rim

- The 3.00" D:
Used on HD wheels since the mid 1960's and on 16" cast wheels since the mid 1970's.
- TL or MT:
Used on 19" cast wheels and some 16" cast wheels.
The tire and Wheel association renamed the TL to the MT around 1985 but the change was in name only.
So a TL is the same as a MT.
- TLA:
Used on 19" and 21" laced wheels.
- CM:
Used on 18" and 19" laced wheels on XLs thru 1978 and on FX models thru 1979 (now obsolete).
If this type rim is damaged, the dealership's first reponce is to replace the rim with a current production rim.

Axle/Bearing Spacers - Miscellaneous Info

Outer Spacer Widths - From 'fergerburger' at this XLForum Thread:

<http://xlforum.net/forums/showthread.php?t=1681432>

Outer Spacers For 3/4" Axles	
Width	P/N
.300"	43548-74 Stepped spacer
.380"	43358-83A
.440"	43548-73 stepped spacer
.465"	43488-77 Stepped spacer
.506"	41607-83
.653"	41594-73
.750"	43654-86A
.930"	43617-95 - Speedo Drive Width (84-94)
1.00"	43657-89
1.165"	41591-81
1.245"	40915-94
1.250"	40910-84A
1.340"	43683-97
1.420"	43674-95

For 1" Axles	
Width	P/N
.470"	43654-00
.515"	43617-00
.887"	40910-00
.986"	43683-00
1.880"	41595-00

Preston Cycle Products - Chrome Axle Spacers¹⁾

HD P/N	ID	Length	PCP#
41591-81	0.710	1.265	43016
40915-94	0.720	1.253	43003
43657-89	0.725	1.030	43018
43674-95	0.725	1.412	43004
43683-97	0.730	1.350	43005
41607-83	0.735	0.510	43014
43648-86	0.735	1.370	43017
40910-00	0.740	0.900	43019
43683-00	0.740	0.990	43021
41591-90	0.740	1.435	43006
41595-86	0.745	0.123	43013
47517-58	0.745	0.380	43015

41594-73	0.745	0.655	43010
41592-79	0.745	1.210	43012
43358-83A	0.750	0.370	43009
43654-00	0.750	0.470	43022
43617-00	0.750	0.520	43023
43654-86A	0.750	0.750	43007
41595-73	0.750	0.830	43011
43617-95	0.750	0.930	43002
40910-84A	0.750	1.255	43008
41595-00	0.750	1.980	43020
43613-00	0.755	3.040	43026*
43608-00	0.755	4.810	43025*
43517-00	1.000	4.810	43024*

* Hub Spacers - Not Chromed

ColonyMachine.com ²⁾				
HD Equiv#	Axle	OD	ID	Length/Width
43358-08	25mm	1.470	25mm	.317
43522-08	25mm	1.480	25mm	.648

1979 Front Wheel Parts - All Models

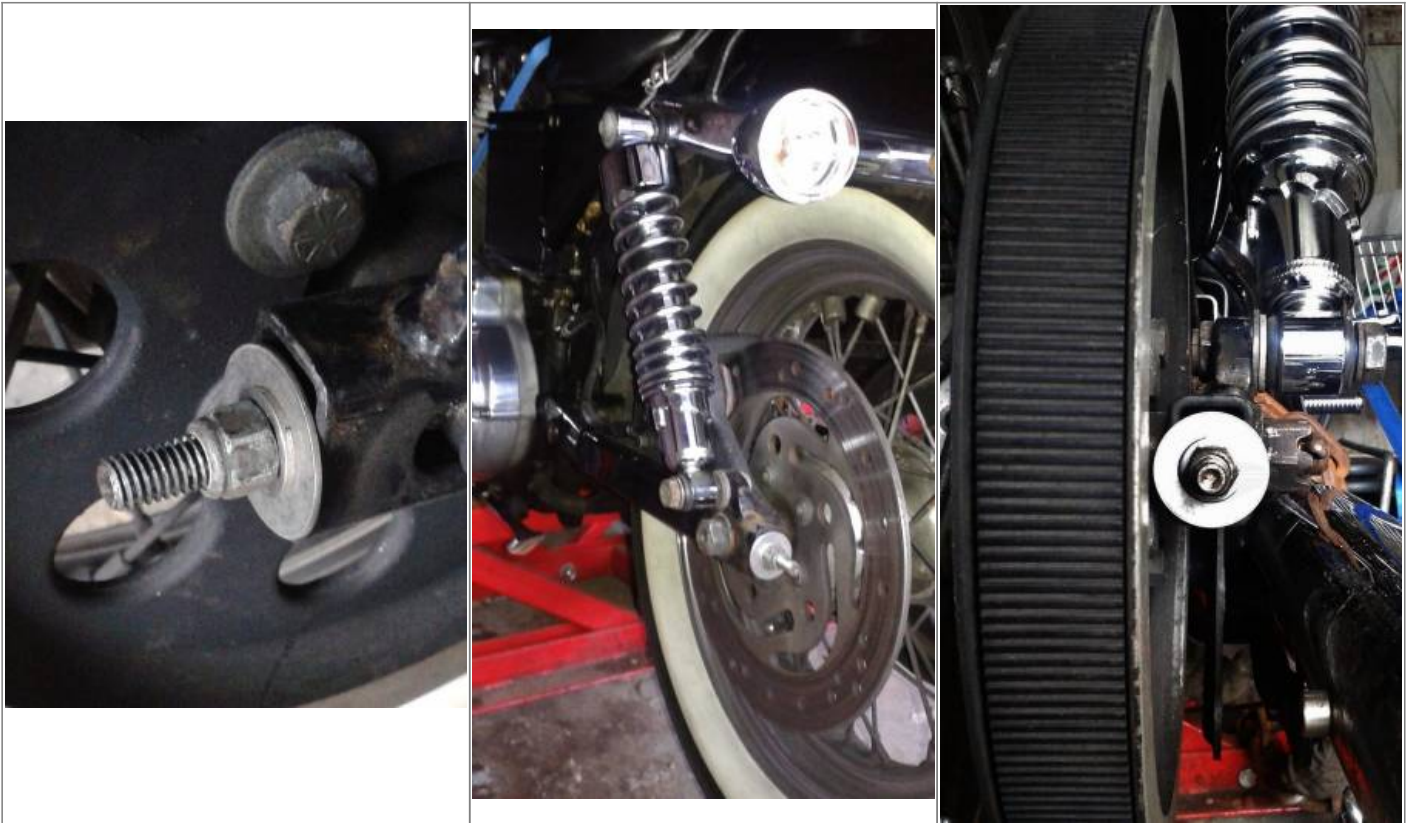
- Brake disc installation screws x (10) - (3680) - 5/16"-18 x 7/8" socket head cap bolts³⁾
- Wheel bearings (2) roller type (9052)⁴⁾
- Spacer (1) (inside) between the bearings⁵⁾
 - 2.564" violet (43623-78)
 - 2.550 pink (43624-78)
 - 2.536 gold (43625-78)
- Spacer (1) (outside) left bearing (43488-77)⁶⁾
- Hub seals (2) - (47519-72)⁷⁾
- Axle bolt 3/4" shank with 5/8"x 18 threads (43883-77) ⁸⁾
 - Washer 5/8" x 1 5/16" x 3/32" (6653)
 - Lock washer 5/8" (7022)
 - Nut 5/8" x 18 (10) (7813) - 15/16" hex head
- Wheel weight 1/2 oz (95590-77)
- Wheel weight 1 oz (95591-77)
- Brake rotor ⁹⁾
 - Early '79 XL, XLCH (2) (44137-77)
 - Late '79 XL, XLCH, XLS(2) (44137-79)

1979 Rear Wheel Parts - All Models

- Sprocket to wheel mounting bolts (5) - (3769) 7/16" x 14 x 1-1/2" with (7039) 7/16" lock-washers.
- Rear sprocket:
 - (41470-73A) Shot blast and chrome.
 - (41470-78) Polish and chrome.
- Inner retaining ring (2) - (11027)
- Bearing spacer washer (2) - (43559-73)
- Bearing spacer (outer right, 1-1/2") (41203-79)
- Bearing seal (to hub)(2) - (47519-72)
- Roller bearing (2) - (9052)
- Bearing spacer (outer left, 1") (41202-79)
- Disc brake (41791-79)
- Disc brake screw (5) - (43567-79)
- Axle bolt 3/4" shank threaded for 5/8" on the end with, (6655) 5/8" x 1-1/2" x 1/8" washer, (7022) 5/8" lock-washer and (7986) 5/16" x 18 x 1-1/2 hex head nut.
- Wheel weight 1/2 oz (95590-77)
- Wheel weight 1 oz (95591-77)

Homemade Axle Adjuster End Plate

If you break an adjuster end plate while your out riding, here is quick fix that might help get you home. Click on a pic to enlarge:



One large fender washer with a smaller one in front to keep the large one from bending.¹⁰⁾

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1)
<http://www.prestoncycle.com/ImageRepository/2015%20CA%20Web%20Catalogue/13A-CA%20Tires%20and%20Wheels.pdf>

2)
<http://www.colonymachine.com/ColonyCatalog2018.pdf>

3) 4) 5) 6) 7) 8) 9)
1979 Harley Davidson XLH/XLCH/XLS-1000 Parts Catalog

10)
photos by welshturk of the XLFORUM
<http://xlforum.net/forums/showthread.php?t=1935064&highlight=axle>

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