

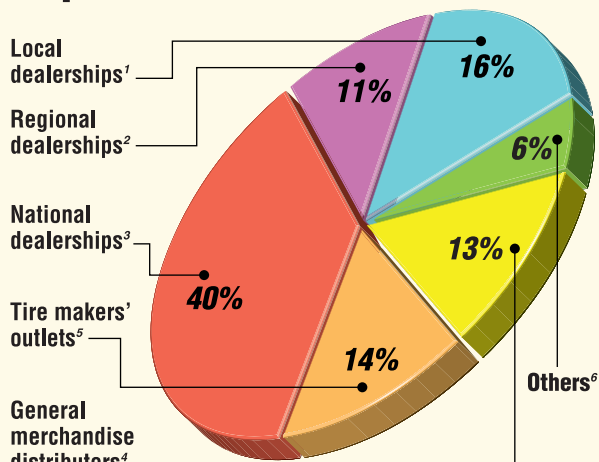
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TIRE BUSINESS

MARKET DATA BOOK

North American tire market profile

U.S. replacement passenger tire shipments from manufacturers

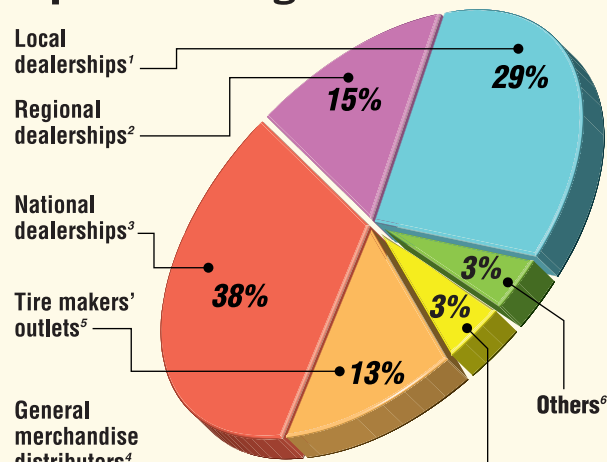


¹**Local dealerships:** Independents with fewer than 10 outlets in a single regional distribution area.

²**Regional dealerships:** Independents with 10 to 40 outlets in at least two regions.

³**National dealerships:** Independents with more than 40 outlets in three or more regions.

Manufacturers' shipments of U.S. replacement light truck tires*



⁴**General merchandise distributors:** Mass merchandisers, wholesale clubs, etc.

⁵**Tire makers' outlets:** Those operated by the manufacturers using various names and store formats.

⁶**Others:** Service stations, garages, car dealerships, etc.

Source: Rubber Manufacturers Association's preliminary 2015 data

*Percentages may not add to 100% due to rounding.

Tire shipments

by U.S. region*

New England

Connecticut,
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Passenger 4%
Light Truck 3%

Middle Atlantic

Pennsylvania
New Jersey
New York

Passenger 11%
Light Truck 7%

South Atlantic

West Virginia
Delaware
Maryland
Washington D.C.
Virginia
North Carolina
South Carolina
Georgia
Florida

Passenger 25%
Light Truck 17%

East North Central

Illinois
Indiana
Michigan
Ohio
Wisconsin

Passenger 16%
Light Truck 13%

East South Central

Alabama
Kentucky
Mississippi
Tennessee

Passenger 6%
Light Truck 7%

West North Central

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

Passenger 6%
Light Truck 8%

West South Central

Arkansas
Louisiana
Oklahoma
Texas

Passenger 13%
Light Truck 18%

Mountain

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

Passenger 5%
Light Truck 8%

Pacific

Alaska
California
Hawaii
Oregon
Washington

Passenger 15%
Light Truck 18%

*Percentage may not add to 100% due to rounding.

Source: Rubber Manufacturers Association's preliminary 2015 data

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Top North American retailers

(2014 retail sales of tires & related automotive services)

Company/Chain	Sales (millions)	No. of outlets (year-end 2015)
Bridgestone Americas ¹	\$4,500 *	2,313
Discount Tire/America's Tire ²	\$4,320	910
TBC Corp./Tire Kingdom ³	\$3,000 *	779
Wal-Mart Stores Inc.	\$3,000 *	3,266
Pep Boys ⁴	\$2,085	801
Les Schwab Tire Centers	\$1,694	394
Sears Holdings Corp.	\$1,200 *	668
Midas International ⁵	\$1,000 *	1,149
Monro Muffler Brake Inc. ⁶	\$895	999
Quick Lane Tire & Auto Centers ⁷	\$800 *	780+
Big O Tires network ⁸	\$800 *	398
Costco Wholesale Corp. ⁹	\$750 *	478
Goodyear ^{10,11}	\$600 *	588
Canadian Tire Corp. [†]	\$600 *	495
Fountain Tire Corp. ^{11†}	\$465	158
Kal Tire [†]	\$286	252
Tire Factory/Point S Group ¹²	\$300+*	220
Belle Tire Distributors	\$275	95
Best One Tire & Service	\$275	202
Dunlap & Kyle Co. Inc.	\$160	57
Rent-a-Wheel/Rent-A-Tire	\$124	125
A.T.V. Inc.	\$110	87
Kauffman Tire Inc.	\$108 *	57
Sullivan Tire Co.	\$106 *	65
Dobbs Tire & Auto Centers	\$105	40
VIP Parts, Tires & Service	\$100 *	56
Dunn Tire Corp.	\$51	30
Leeds West Group ¹³	\$50	52

* Estimated; † Figures in U.S.\$, translated at average annual rate

¹ Estimated sales for Firestone Complete Car Care, Tires Plus and Wheel Works stores.

² Bridgestone also operates 200+ GCR and TDS stores in the U.S. and 39 GCR stores in Canada that primarily are commercial, but which also do a measurable amount of retail/consumer business.

³ Discount Tire's sales include revenue from Discounttire.com

⁴ TBC also franchises 398 Big O Tires outlets in the U.S. and Canada

⁵ Represents 'service center' revenue, which includes tires and automotive service; Pep Boys was acquired in Jan. 2016 by Icahn Enterprises.

⁶ Estimated collective sales figure for Midas' franchised locations in the U.S. and Canada

⁷ Total corporate sales; tires represent 44% of sales and auto maintenance 28%

⁸ Collective sales figure for Quicklane network in the U.S. and Canada; stores are independently owned by Ford/Lincoln dealers

⁹ Estimated collective sales figure for Big O Tires' franchised locations in the U.S. and Canada

¹⁰ No. of Costco outlets with tire service; includes Puerto Rico

¹¹ Estimated sales for Goodyear's U.S. retail network (including Just Tires)

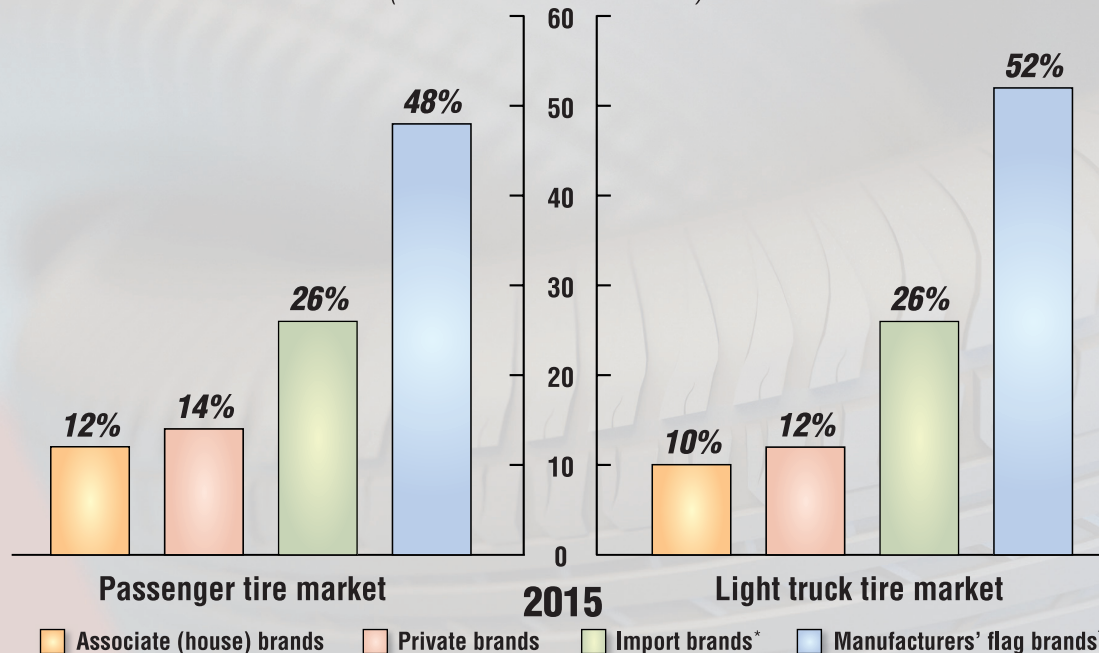
¹² Goodyear is 50% owner of Fountain Tire

¹³ Estimated collective retail sales figure for Tire Factory/Point S group members

¹⁴ Big O Tires and Midas International franchisee

U.S. replacement market brand shares

(Tire Business estimates)



Based on data from Rubber Manufacturers Association; U.S. Dept. of Commerce; etc.

*Flag brands of offshore firms with no U.S. manufacturing presence. [†]Companies with U.S. manufacturing base.

TIRE BUSINESS graphics by Scott Merryweather

Vehicle mileage/costs

Miles of travel - 2014*

U.S. total 3.02 trillion

Car ownership costs per mile¹

(based on 15,000 miles per year)

2015	58.0 cents
2014	59.2 cents
2013	60.8 cents
2012	59.6 cents
2011	58.5 cents
2010	56.6 cents
2005	56.1 cents
2000	49.1 cents
1995	41.2 cents
1990	33.0 cents
1985	23.2 cents

Car maintenance costs per mile¹

(based on 15,000 miles per year)

2015	5.1 cents
2014	5.1 cents
2013	5.0 cents
2012	4.2 cents
2011	4.4 cents
2010	4.5 cents
2005	5.3 cents
2000	3.6 cents
1995	2.6 cents
1990	2.1 cents
1985	1.2 cents

Tire costs per mile¹

(passenger cars-15,000 miles per year)

2015	1.0 cents
2014	1.0 cent
2013	1.0 cent
2012	0.7 cent
2011	1.0 cent
2010	0.8 cent
2005	0.6 cent
2000	1.7 cents
1995	1.2 cents
1990	0.9 cent
1985	0.7 cent

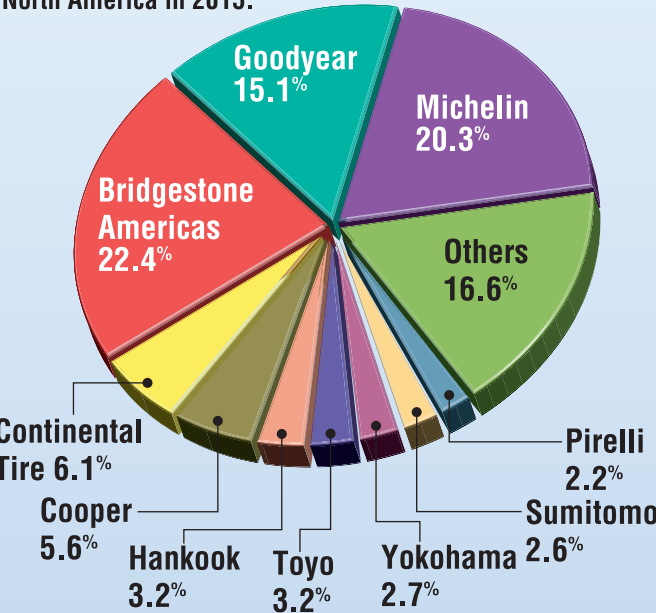
* U.S. Department of Transportation

¹ American Automobile Association

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N. American market leaders

The 10 largest tire manufacturers collectively accounted for an estimated 83.4 percent of the \$46.8 billion tire sales in North America in 2015.



Source: Tire Business: company financial reports

TIRE BUSINESS graphic by Scott Merryweather

North American tire sales¹

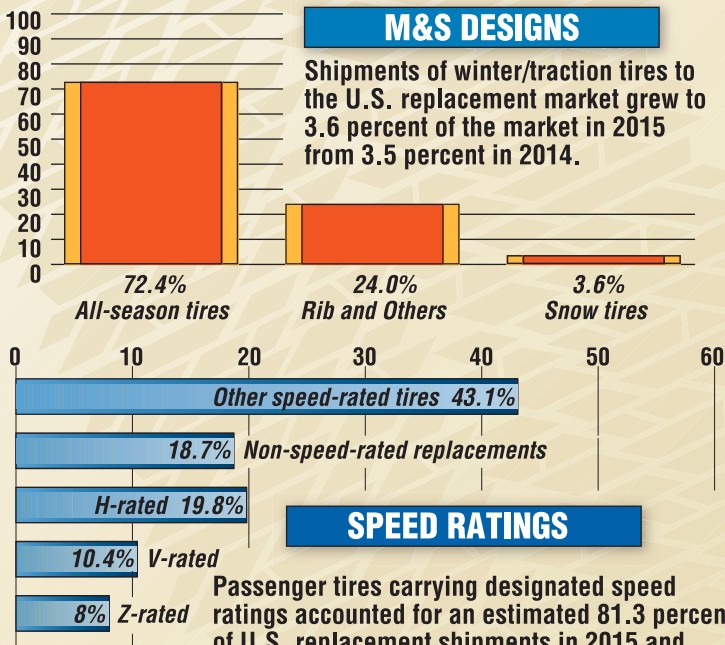
(in millions of dollars)

	2014 [®]	2015*
Bridgestone Americas Inc.	9,700	10,500
Michelin North America Inc.	9,250	9,500
Goodyear Tire & Rubber Co.	7,250	7,050
Continental Tire the Americas	2,700	2,850
Cooper Tire & Rubber Co.	2,525	2,625
Hankook Tire America Corp.	1,350	1,500
Toyo Tire (USA) Corp. ²	1,300	1,500
Yokohama Tire Corp.	1,225	1,250
Sumitomo Rubber Industries Ltd. ³	850	1,200
Pirelli Tire North America	900	1,050
Kumho Tire USA	700	650
Titan Wheel International Inc.	900	650
Giti Tire	650	600
Nexen Tire	350	400
Others	5,350	5,580
TOTAL (rounded)	45,000	46,800

*= estimated; based on preliminary sales data [®]= revised from previous charts
1 tire manufacturers' sales; excludes vehicle service revenue from 'captive' retail operations
2 includes Nitto Tire
3 includes estimates for Sumitomo Tire and Falken Tire Corp.

TIRE BUSINESS graphic by Scott Merryweather

Replacement passenger tires*



*Replacement figures are based on RMA member data only and should be used only for establishing trends.
Source: Rubber Manufacturers Association preliminary 2016 data

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Original equipment passenger-LT tire market

North American shares

Goodyear/Dunlop	.28.0
Michelin/Goodrich	.25.0
Bridgestone/Firestone	.17.5
Continental/General	.15.5
Hankook	.3.5
Pirelli	.3.5
Kumho	.3.0
Toyo	.1.5
Yokohama	.1.5
Nexen	.1.0
Cooper	<.1.0
Falken	<.1.0

BMW of North America

Pirelli	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Continental/General	■ ■ ■
Goodyear/Dunlop	■ ■ ■
Michelin/Goodrich	■ ■ ■

Fiat-Chrysler

Goodyear/Dunlop	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Michelin/Goodrich	■ ■ ■
Continental/General	■ ■ ■
Kumho	■ ■ ■
Nexen	■ ■ ■
Pirelli	■ ■ ■
Yokohama	■ ■ ■

Ford Motor Co.

Continental/General	■ ■ ■
---------------------	-------

Michelin/Goodrich	■ ■ ■
Goodyear/Dunlop	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Cooper	■ ■ ■
Hankook	■ ■ ■
Pirelli	■ ■ ■
Toyo	■ ■ ■

General Motors Co.

Bridgestone/Firestone	■ ■ ■
Goodyear/Dunlop	■ ■ ■
Michelin/Goodrich	■ ■ ■
Continental/General	■ ■ ■
Hankook	■ ■ ■
Pirelli	■ ■ ■

Honda North America Inc.

Goodyear/Dunlop	■ ■ ■
Michelin/Goodrich	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Continental/General	■ ■ ■
Hankook	■ ■ ■
Yokohama	■ ■ ■

Hyundai/Kia Automotive

Hankook	■ ■ ■
Kumho	■ ■ ■
Nexen	■ ■ ■
Continental/General	■ ■ ■

Mazda (North America) Inc.

Michelin/Goodrich	■ ■ ■
Others	■ ■ ■

Mercedes-Benz of North America	
Continental/General	■ ■ ■

Pirelli	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Goodyear/Dunlop	■ ■ ■
Michelin/Goodrich	■ ■ ■

Mitsubishi Motor Mfg. Inc.

Nexen	■ ■ ■
Toyo	■ ■ ■

Nissan North America Inc.

Continental/General	■ ■ ■
Michelin/Goodrich	■ ■ ■
Goodyear/Dunlop	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Toyo	■ ■ ■

Subaru of America

Continental/General	■ ■ ■
Bridgestone/Firestone	■ ■ ■
Goodyear/Dunlop	■ ■ ■

Toyota Motor Manufacturing

Bridgestone/Firestone	■ ■ ■
Michelin/Goodrich	■ ■ ■
Goodyear/Dunlop	■ ■ ■
Continental/General	■ ■ ■
Toyo	■ ■ ■
Yokohama	■ ■ ■

Estimates based on 2015 production of 17.7 million cars, SUVs and light trucks in North America.

■ ■ ■ = >25% ■ ■ = 10-25% ■ = <10%

Replacement market shares — U.S. & Canada

Passenger tires

Goodyear	.11.5%
Michelin	.9.5%
Bridgestone	.7.5%
Firestone	.6.5%
BFGoodrich	.5.5%
Cooper	.5.0%
Hankook/Aurora	.4.5%
Continental	.3.5%
Falken	.3.5%
GT Radial/Primewell	.3.5%
Yokohama	.3.5%
General	.3.0%
Pirelli	.3.0%
Toyo	.3.0%
Nexen	.2.5%
Kumho/Marshall	.2.0%
Sumitomo	.2.0%
Uniroyal	.1.5%
Dunlop	.1.0%
Fuzion/Dayton	.1.0%
Hercules	.1.0%
Kelly ²	.1.0%
Mastercraft	.1.0%
Nitto	.1.0%

Passenger tires

Others ¹	.13.0%
---------------------	--------

Light truck tires

Goodyear	.10.5%
BFGoodrich	.9.0%
Michelin	.8.0%
Firestone	.7.5%
Bridgestone	.6.5%
Cooper	.6.5%
General	.4.5%
Hankook	.4.5%
Toyo	.4.5%
GT Radial/Primewell	.4.0%
Yokohama	.4.0%
Pirelli	.2.5%
Continental	.2.0%
Hercules	.2.0%
Kumho	.2.0%
Nexen	.2.0%
Dunlop	.1.5%
Falken	.1.5%
Mastercraft	.1.5%
Uniroyal	.1.5%
Kelly ²	.1.0%
Others ¹	.13.0%

Highway truck tires

Bridgestone	.16.5%
Michelin	.16.5%
Goodyear	.12.0%
Yokohama	.7.0%
Firestone	.6.5%
Double Coin/Dynatrac	.5.0%
Continental	.4.5%
Hankook	.3.5%
General	.3.0%
Hercules	.2.5%
Toyo	.2.5%
BFGoodrich	.2.0%
Roadmaster (Cooper)	.2.0%
Sumitomo	.2.0%
GT Radial	.1.5%
Dunlop	.1.0%
Kelly ²	.1.0%
Kumho	.1.0%
Others ¹	.10.0%

Share estimates based on 224.3 million passenger tires, 32.6 million light truck tires and 19.7 million truck tires shipped in 2015.

1 - Others represents private and import brands

2 - May include associate brands

U.S. tire shipments (in millions)

	2009	2010	2011	2012	2013	2014	2015 ¹
Passenger:							
Replacement	189.5	200.6	194.4	190.9	199.3	206.5	206.2
Imports ²	100.6	120.4	120.5	126.0	143.7	148.9	149.5
OE	24.6	33.2	35.7	40.0	43.6	47.8	49.7
Light Truck:							
Replacement	27.5	28.5	28.6	28.1	28.0	28.7	29.3
Imports	17.3	20.6	20.6	21.0	24.7	25.9	24.3
OE	2.8	3.7	4.2	4.2	4.4	4.6	4.4
Medium Truck/Bus:							
Replacement	12.9	15.8	16.5	15.8	15.7	17.4	18.0
Imports	6.7	8.8	10.3	10.5	10.2	13.2	14.4
OE	2.4	3.3	4.9	5.1	4.8	5.7	6.2

Canadian tire shipments (in millions)

	2009	2010	2011	2012	2013	2014	2015 ¹
Passenger:							
Replacement	19.2	16.1	15.9	15.6	15.7	18.1	18.1
Light Truck:							
Replacement	2.8	2.7	2.9	2.8	2.8	3.3	3.2
Medium Truck/Bus:							
Replacement	1.3	1.4	1.5	1.6	1.6	1.7	1.9

1 – Based on preliminary year-end data; subject to revision 2 – Imports are included in the replacement shipment numbers

Sources: Rubber Manufacturers Association; Rubber Association of Canada; U.S. Dept. of Commerce

New England

1,738 tire stores 11.7 million vehicles

Monro Muffler Brake ¹	138
Town Fair	87
Sullivan Tire	66
Firestone ²	61
V.I.P. Discount	56
Sears	45
Quick Lane	37
Goodyear stores	22
Pep Boys	20
B1 Advantage	16

¹ dba: Monro, Mr. Tire, Tire Warehouse Central² dba: Firestone Complete Auto Care

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Upper Midwest

7,009 tire stores 39.3 million vehicles

Firestone ¹	307
Monro Muffler Brake ²	221
Sears	140
Discount Tire	135
Quick Lane	117
Best One Tire	103
Car-X Tire	98
Goodyear	95
TBC Retail ³	92
Belle Tire	91

¹ dba: Firestone Complete Auto Care, Tires Plus² dba: Monro, Mr. Tire³ dba: Tire Kingdom, Merchant's, NTB

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Southeast Central

3,420 tire stores 15 million vehicles

Firestone ¹	125
Tire Pros	66
Sears	56
Goodyear	51
Gateway / Hesselbein	44
Monro	36
Tire Discounters	36
TBC Retail ²	34
Quick Lane	32
Best One Tire	29
Big O Tires	24

¹ dba: Firestone Complete Auto Care, Tires Plus² dba: Tire Kingdom, NTB

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Southwest Central

5,437 tire stores 23.7 million vehicles

Firestone ¹	318
Discount Tire	248
TBC Retail ²	112
Tire Pros	93
Quick Lane	81
Sears	78
Pep Boys	64
Goodyear	59
Rent-A-Wheel/ Rent-A-Tire	52
Costco	25

¹ dba: Firestone Complete Auto Care, Tires Plus² dba: Tire Kingdom, Merchant's, NTB

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Northwest Central

4,264 tire stores 18.6 million vehicles

Firestone ¹	135
Quick Lane	82
Tire Pros	51
Discount Tire	44
Sears	44
Car-X Tire	40
TBC Retail ²	40
Plaza Tire	40
Dobbs Tire	33
Nebraskaland/Kansasland	30

¹ dba: Firestone Complete Auto Care, Tires Plus² dba: Tire Kingdom, NTB

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South Atlantic

5,140 tire stores 25.5 million vehicles

Monro Muffler Brake ¹	212
Firestone ²	208
TBC Retail ³	203
Goodyear	100
Tire Pros	91
Sears	75
Pep Boys	67
Quick Lane	49
Discount Tire	40
Black's Tire	39

¹ dba: Monro, Mr. Tire, Treadquarters² dba: Firestone Complete Auto Care, Tires Plus³ dba: Tire Kingdom, Merchant's, NTB

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Middle Atlantic

4,465 tire stores 28.8 million vehicles

Mavis Discount	320
Monro Muffler Brake ¹	317
Firestone ²	158
Pep Boys	145
Sears	98
Goodyear	92
Quick Lane	49
Costco	43
Jack Williams	35
Dunn Tire	30
Tire Pros	30

¹ dba: Monro, Mr. Tire² dba: Firestone Complete Auto Care, Tires Plus

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Southeast

6,126 tire stores 28.2 million vehicles

Firestone ¹	415
TBC Retail ²	240
Pep Boys	190
Goodyear	142
Sears	87
Tire Pros	83
Quick Lane	82
Monro Muffler Brake ³	64
Discount Tire	55
Kauffman Tire	53

¹ dba: Firestone Complete Auto Care, Tires Plus² dba: Tire Kingdom, NTB³ dba: Tire Choice

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Mountain

3,521 tire stores 17.8 million vehicles

Big O Tires	207
Discount Tire	183
Firestone ¹	151
Les Schwab	107
Tire Pros	90
Tire Factory	85
Quick Lane	65
Costco	62
Pep Boys	53
Sears	47

¹ dba: Firestone Complete Auto Care, Tires Plus

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Pacific

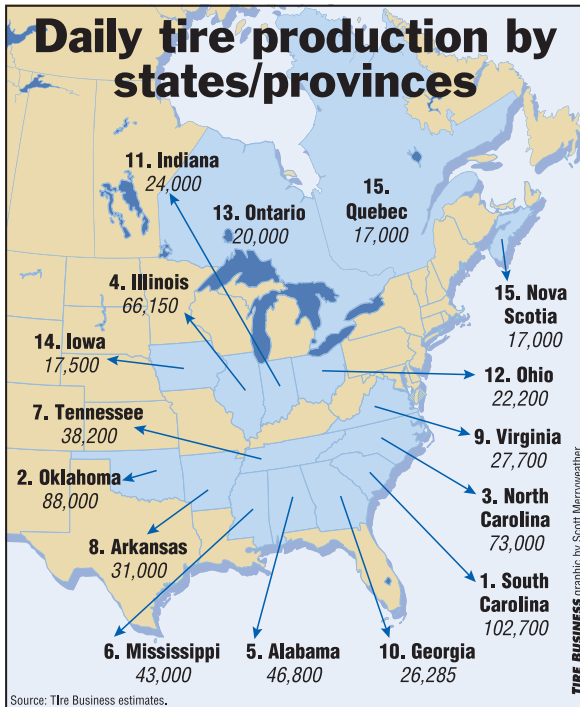
6,177 tire stores 39.1 million vehicles

Les Schwab	336
Firestone ¹	246
America's Tire/ Discount Tire	178
Costco	172
Pep Boys	156
Sears	121
Big O Tires	112
Tire Pros	104
Tire Factory	86
Goodyear	83

¹ dba: Firestone Complete Auto Care, Tires Plus/Wheel Works

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Daily tire production by states/provinces



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Vehicles per tire outlet

(Passenger, bus and truck vehicles)

State	Tire outlets	Vehicles (000)	Vehicles per outlet	State	Tire outlets	Vehicles (000)	Vehicles per outlet
Alabama	889	4,787	5,385	Montana	221	1,540	6,968
Alaska	80	786	9,825	Nebraska	334	1,891	5,662
Arizona	666	5,381	8,078	Nevada	278	2,203	7,924
Arkansas	536	2,418	4,511	New Hampshire	207	1,409	6,807
California	3,893	28,075	7,212	New Jersey	780	7,061	9,053
Colorado	686	4,683	6,827	New Mexico	296	1,882	6,358
Connecticut	341	2,856	8,375	New York	1,382	10,674	7,724
Delaware	116	947	8,164	North Carolina	1,585	7,814	4,930
District of Columbia	11	333	30,273	North Dakota	162	845	5,216
Florida	2,583	15,132	5,858	Ohio	1,797	10,360	5,765
Georgia	1,570	7,780	4,955	Oklahoma	606	3,460	5,710
Hawaii	82	1,335	16,280	Oregon	395	3,604	9,124
Idaho	198	1,692	8,545	Pennsylvania	1,531	10,461	6,833
Illinois	1,362	10,193	7,484	Rhode Island	88	853	9,693
Indiana	864	5,574	6,451	South Carolina	756	3,987	5,274
Iowa	630	3,541	5,621	South Dakota	165	1,015	6,152
Kansas	585	2,628	4,492	Tennessee	1,022	5,452	5,335
Kentucky	647	4,032	6,232	Texas	3,480	20,171	5,796
Louisiana	709	3,957	5,581	Utah	395	2,061	5,218
Maine	209	1,199	7,737	Vermont	97	612	6,309
Maryland	560	3,834	6,846	Virginia	1,029	7,051	6,852
Massachusetts	580	4,985	8,595	Washington	665	6,393	9,614
Michigan	1,223	8,192	6,698	West Virginia	253	1,453	5,743
Minnesota	893	5,219	5,844	Wisconsin	951	5,339	5,614
Mississippi	516	2,074	4,019	Wyoming	118	831	7,042
Missouri	1,103	5,821	5,277	TOTAL	40,125	255,876	Avg. 7,292

Source: InfoUSA 2016 data; Federal Highway Administration 2013 data

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North American tire production facilities

Company/ Plant location	Year opened	DOT codes	Employees (u=unionized)	Tire types	Estimated capacity
Canada					
Bridgestone Canada Inc. (Bridgestone Americas Inc.)					
Joliette, Quebec	1965	VN,9B,XY,1VN,19B,1XY	1,300u	1,2 (r)	17,000 u/d
Goodyear Canada Inc. (Goodyear)					
Medicine Hat, Alberta	1960	PC,1PC	300u	1 (r,b)	13,000 u/d
Napanee, Ontario	1990	4B,14B	800	1 (r)	20,000 u/d
Michelin North America (Canada) Inc. (Group Michelin)					
Bridgewater, Nova Scotia	1973	B3,1B3	1,111	1,2 (r)	58,200 t/y
Granton-Pictou, Nova Scotia	1971	HN,1HN	600	1 (r)	—
Waterville, Nova Scotia	1982	M5,1M5	1,272	3 (r)	117,300 t/y
Mexico					
Bridgestone de Mexico S.A. de C.V. (Bridgestone Americas Inc.)					
Cuernavaca	1980	V6,1V6	1,000u	1,2 (r)	21,000 u/d
Bridgestone Neumaticos de Monterrey S.A. de C.V. (Bridgestone Americas Inc.)					
Cienega de Flores, Nuevo Leon	2007	RB,1RB	200	1,2 (r)	6,350 u/d
Continental Tire de Mexico S.A. de C.V. (Continental A.G.)					
San Luis Potosi	1975	P5,1P5	1,500u	1,2 (r,b)	4.2 mil. u/y
Corporacion de Occidente S.A. de C.V. (Cooper Tire & Rubber Co. and Cooperativa Tradoc S.R.L., joint venture)					
El Salto, Jalisco	1972	RD,R7,1RD,1R7	889	1,2 (r)	18,500 u/d
Industrias Michelin S.A. de C.V. (Group Michelin)					
Queretaro	1987	K4,1K4	365	1,2 (r)	6,000 u/d
JK Tormel S.A. de C.V. (JK Tyre & Industries Ltd.)					
Mexico City, Mexico City	1972	5F,15F	402u	1,2,3,4,7 (b)	4,216 u/d
Tacuba, Mexico City	1946	AG,2A6	248	1,2,3 (b)	3,775 u/d
Tululan, Edo, Mex	1984	4F,14F	797u	1,2,4,7 (r,b)	10,638 u/d
Pirelli Neumaticos S.A. de C.V. (Pirelli & C. S.p.A.)					
Silao, Guajanaajuato	2012	UN,1UN	1,000	1,2 (r)	4 mil. u/y
United States					
Bridgestone Americas Tire Operations L.L.C. (Bridgestone Americas Inc.)					
Akron, Ohio	1911	—	38u	9 (r)	600 u/d
Bloomington, Ill.	1965	2M,3M,12M,13M	460u	6,7 (r,b)	300 u/d
Des Moines, Iowa	1945	VE,8B,1VE,18B	1,358u	4 (r,b)	3,600 u/d
Graniteville, S.C.	1998	7X,8X,9X,17X,18X,19X	1,200	1,2 (r)	37,750 u/d
LaVergne, Tenn.	1972	Y7,W1,D2,1Y7,1W1,1D2	803u	2,3 (r)	6,050 u/d
Trenton, S.C.	2014	—	330	6 (r)	130 t/d
Warren County, Tenn.	1990	2C,4D,5D,12C,14D,15D	774u	3 (r)	9,000 u/d
Wilson, N.C.	1974	W2,0B,Y3,1W2,10B,1Y3	1,740	1,2 (r)	32,000 u/d
Carlstar Group L.L.C. (American Industrial Partners)					
Clinton, Tenn.	1974	C4,1C4	500	4,7	10,200 u/d
Jackson, Tenn.	2011	P4,1P4	400	4,7 (r,b)	11,700 u/d
Continental Tire the Americas Inc. (Continental A.G.)					
Mount Vernon, Ill.	1974	A3,1A3	3,000	1,2,3 (r)	16.4 mil. u/y
Sumter, S.C.	2013	VY,1VY	590	1,2 (r)	2 mil. u/y
Cooper Tire & Rubber Co.					
Findlay, Ohio	1914	UP,1UP	948u	1,2 (r)	21,000 u/d
Texarkana, Ark.	1964	UT,1UT	1,458u	1,2 (r)	31,000 u/d

Company/ Plant location	Year opened	DOT codes	Employees (u=unionized)	Tire types	Estimated capacity
Tupelo, Miss.	1984	U9,1U9	1,311	1 (r)	42,000 u/d
Goodyear Tire & Rubber Co.					
Akron, Ohio	1983	MB,1MB	375u	9 (r)	2,000 u/d
Danville, Va.	1966	MC,1MC	2,300u	3,8 (r,b)	10,000 u/d
Fayetteville, N.C.	1969	PJ,1PJ	2,900u	1,2 (r)	40,000 u/d
Gadsden, Ala.	1929	MD,1MD	1,600u	1,2 (r)	25,000 u/d
Lawton, Okla.	1978	M6,1M6	2,800	1,2 (r)	65,000 u/d
Topeka, Kan.	1944	MJ,1MJ	1,600u	2,3,6 (r,b)	7,000 u/d
GTY Tire Co. (Continental Tire and Yokohama joint venture)					
Mount Vernon, Ill.	1991	6B,3C,13C,16B	3,000	3 (r)	3.2 mil. u/y
Hoosier Racing Tire Corp.					
Plymouth, Ind.	1979	J7,1J7	300	9 (r,b)	—
Kumho Tire Georgia Inc. (Kumho Tire Co. Inc.)					
Macon, Ga.	2016	000	450	1,2(r)	3 mil. u/y
Michelin North America Inc. (Group Michelin)					
Ardmore, Okla.	1969	AP,1AP	1,887	1,2 (r)	23,000 u/d
Dothan, Ala.	1979	B7,1B7	537	2 (r)	6,800 u/d
Fort Wayne, Ind.	1961	BF,1BF	1,629u	1,2 (r)	21,000 u/d
Greenville, S.C.	1975	M3,4M,1M3,1M4	1,020	1,2 (r)	27,000 u/d
Lexington, S.C.	1981	B9,1B9	2,179	1,2,6 (r)	273,100 t/y
Norwood, N.C.	1987	—	439	8 (b)	7,000 t/y
Spartanburg, S.C.	1978	B6,1B6	1,079	3 (r)	7,000 u/d
Starr, S.C.	2013	—	168	6 (r)	6,100 t/y
Tuscaloosa, Ala.	1945	BE,1BE	1,254u	1,2 (r)	15,000 u/d
Mitas Tires North America Inc. (CGS Czech Rubber Co.)¹					
Charles City, Iowa	2012	UD,1UD	237	4 (r)	13,500 t/y
Pirelli Tire L.L.C. (Pirelli & C. S.p.A.)					
Rome, Ga.	2002	JR,1JR	250	1,2 (r)	400,000 u/y
Specialty Tires of America Inc. (Polymer Enterprises Inc.)					
Indiana, Pa.	1915	CY,1CY	300	2,4,7,8,9 (b)	3,300 u/d
Unicoi, Tenn.	1997	3U,13U	200	2,4,7 (b)	400,000 u/y
Sumitomo Rubber USA L.L.C. (Sumitomo Rubber Industries Ltd.)					
Tonawanda, N.Y.	1923	DA,1DA	1,000u	1,2,3,5,7 (r,b)	15,000 u/d
Titan Tire Corp. (Titan International Inc.)					
Bryan, Ohio	1966	A9,1A9	220u	4,6,7 (r,b)	450 u/d
Des Moines, Iowa	1943	CF,1CF	600u	2,4,6,7 (r,b)	13,000 u/d
Freeport, Ill.	1964	PK,1PK	600u	4,6,7 (r,b)	10,000 u/d
Toyco Tire North America Manufacturing Inc. (Toyco Tire & Rubber Co. Ltd.)					
White, Ga.	2005	73,173	1,000	1,2 (r)	8.5 mil. u/y
Trelleborg Wheel Systems Americas L.L.C. (Trelleborg A.B.)¹					
Red Lion, Pa.	2011	—	50	7 (b)	—
Spartanburg, S.C.	2015	—	150	4 (r)	—
Yokohama Tire Corp. (Yokohama Rubber Co. Ltd.)					
Salem, Va.	1968	CC,1CC	910u	1,2 (r)	6.2 mil. u/y
West Point, Miss.	2015	1FA	500	3 (r)	1 mil. u/y

¹ = Trelleborg is buying CGS/Mitas; deal to close by mid-year.

Explanation of abbreviations

TIRE TYPES: 1—Auto; 2—Light truck; 3—Truck/bus; 4—Agricultural; 5—Motorcycle; 6—Earthmover/OTR; 7—Industrial; 8—Aircraft; 9—Racing

TIRE CONSTRUCTION: R—Radial; B—Bias-ply

PLANT CAPACITIES: u/d—Units per day; u/w—Units per week; u/m—Units per month; u/y—Units per year; t/d—Tons per day; t/w—Tons per week; t/m—Tons per month; t/y—Tons per year

Names in italic following company names are other names by which the companies are known. Names in parentheses indicate the parent companies.

Passenger tire sizes—replacement*

Rank	Size	Percent
1.	205/55R16	4.1%
2.	215/60R16	3.4%
3.	195/65R15	2.7%
4.	225/60R16	2.3%
5.	225/65R17	2.2%
6.	215/55R17	2.1%
7.	P235/75R15	1.9%
7.	225/50R17	1.9%
9.	P265/70R17	1.8%
10.	195/60R15	1.7%
Top 10 Sizes		24.2%
Other Sizes		75.8%

Passenger tire sizes—original equipment*

Rank	Size	Percent
1.	P215/55R17	4.1%
2.	P265/70R17	3.4%
3.	P215/60R16	3.2%
4.	215/55R17	2.8%
4.	225/65R17	2.8%
6.	275/65R18	2.6%
6.	P195/65R15	2.6%
8.	P275/60R20	2.5%
8.	235/55R17	2.5%
10.	P205/55R16	1.9%
Top 10		28.3%
Other Sizes		71.7%

Medium truck tire sizes—replacement*

Rank	Size	Percent
1.	295/75R22.5	24.1%
2.	11R22.5	22.3%
3.	11R24.5	10.5%
4.	225/70R19.5	6.9%
5.	255/80R22.5	5.8%
Top 5		69.6%
Other Sizes		30.4%

Source: RMA Preliminary 2016 Factbook

Medium truck tire sizes—original equipment*

Rank	Size	Percent
1.	295/75R22.5	31.2%
2.	11R22.5	25.2%
3.	275/80R22.5	13.7%
4.	11R24.5	6.6%
4.	225/70R19.5	6.6%
Top 5		83.3%
Other Sizes		16.7%

* 2015 estimates

Retreading Systems — U.S. & Canada

Company	Name of system	Type	No. of retread plants	Operators (N. America)
Bridgestone Bandag	Bandag Retreading Systems	Precure	258	104
Continental	ContiLifeCycle	Precure	17	12
Goodyear	Goodyear Authorized Retread Process	Mold cure Precure, Unicycle	89	49 ¹
Hawkinson	Hawkinson System	Mold cure	4	4
Marangoni	RingTread System* Unitread*	Precure Precure	30 33	26 29
Michelin	Michelin Retread Technologies	Precure, Mold cure	74	42
	Oliver Retreading Systems	Precure, Mold cure	109	111

U.S./Canadian retread plants — 2013: 725/84² **2014:** 710/80² **2015:** 650/50³

¹ Estimated ² Source: TRIB estimate ³ Source: Retread Tire Association estimate * All Ringtread licenses with Marangoni are also Unitread licensees.

Light truck tire sizes—replacement*

Rank	Size	Percent
1.	LT245/75R16	12.7%
2.	LT265/70R17	9.9%
3.	LT265/75R16	9.3%
4.	LT225/75R16	7.7%
5.	LT235/85R16	5.8%
6.	LT245/75R17	4.7%
7.	LT285/70R17	3.8%
7.	LT275/70R18	3.8%
9.	LT285/75R16	3.7%
10.	31X10.50R15	3.2%
Top 10		64.6%
Other Sizes		35.4%

Light truck tire sizes—OE*

Rank	Size	Percent
1.	LT245/75R17	18.6%
2.	LT225/75R16	9.8%
3.	LT265/70R18	9.7%
4.	LT275/70R18	7.9%
5.	LT245/75R16	7.6%
6.	LT265/70R17	7.5%
7.	LT255/75R17	6.1%
8.	LT265/60R20	5.8%
9.	LT275/65R18	5.7%
10.	LT235/80R17	5.5%
Top 10		84.0%
Other Sizes		16.0%

*2015 estimates

Source: RMA Preliminary 2016 Factbook

Tire makers' DOT codes expanded

Editor's note:

This listing was compiled by Tire Business from the Department of Transportation's list of DOT codes, current as of year-end 2015. The DOT list was cross-checked with Tire Business' Global Tire Report databases to ensure codes are matched accurately with each plant's current owner/operator. This list excludes codes assigned to plants that are closed or are assigned to facilities that don't make new pneumatic tires (such as retread plants or R&D centers).

The DOT has issued a second set of 3-place alpha/numeric codes, covering every existing plant location in its database, in line with regulations issued in April 2015 by the National Highway Traffic Safety Administration. The existing 2-place codes are to be phased out no later than 2025. All new factories will be issued 3-place codes only.

A complete list of all codes is available for purchase from Tire Business' Data Store at www.tirebusiness.com. The list is organized alphabetically and numerically; the numbers-first and numbers-only codes follow the letters-first codes.

Some plants have multiple codes assigned.

Editor's note: This listing was compiled by Tire Business from the Department of Transportation's list of DOT codes, current as of year-end 2015. The DOT list was cross-checked with Tire Business' Global Tire Report databases to ensure codes are matched accurately with each plant's current owner/operator. This list excludes codes assigned to plants that are closed or are assigned to facilities that don't make new pneumatic tires (such as retread plants or R&D centers). The DOT has issued a second set of 3-place alpha/numeric codes, covering every existing plant location in its database, in line with regulations issued in April 2015 by the National Highway Traffic Safety Administration. The existing 2-place codes are to be phased out no later than 2025. All new factories will be issued 3-place codes only. A complete list of all codes is available for purchase from Tire Business' Data Store at www.tirebusiness.com . The list is organized alphabetically and numerically; the numbers-first and numbers-only codes follow the letters-first codes. Some plants have multiple codes assigned.		...Lippo Cikarang, Bekasi, Indonesia BD, 1BD Hubei Aulice Tyre Co. Ltd.Huangshi, Hubei, China BE, 1BE Michelin (UGTC)Tuscaloosa, AL BF, 1BF Michelin (UGTC)Ft.Wayne (Woodburn), Ind. BH Xuzhou Tongfei Tyre Co. Ltd.Xuzhou City, Jiangsu, China BJ, 1BJ Jiangsu Hankook Tire Co. Ltd.Huaiyin/Jiangsu, China BK, 1BK Anshan Tyre FactoryAnshan City, China BN, 1BN Shandong Chuanghua Tire Co. Ltd.Rizhao City, Shandong, China BP, 1BP Shandong Yinbao GroupShouguang, Shandong, China BR, 1BR SDF General Rubber Co. Ltd.Pudong/Shanghai, China BT Shandong Zhongchuang Tyres Co. Ltd....Linyi City, Shandong, China BU, 1BU Shouguang Firemax Tyre Co. Ltd.Shouguang, Shandong, China B0, 1B0 Sichuan Yuan Xing Rubber Co. Ltd.Dayi, Sichuan, China B1, 1B1 Groupe MichelinLaRoche sur Yon, France B2, 1B2 Continental Sime TyresSelangor, Malaysia B3, 1B3 MichelinBridgewater, Nova Scotia Co. Inc. B4, 1B4 Taurus (Michelin)Budapest, Hungary B5, 1B5 Stomil-Olsztyn (Michelin)Olsztyn, Poland B6, 1B6 Michelin . . . Spartanburg, S.C. B7, 1B7 Michelin . . . Dothan, Ala. B8, 1B8 MichelinRio de Janeiro, Brazil B9, 1B9 Michelin Lexington, S.C.	DF, 1DF Qingdao Newhawk Tyres Co. Ltd....Jimo Qingdao/Shandong, China DH, 1DH BridgestoneShenyang, Liaoning, China DJ, 1DJ Qingdao Anli Rubber Co. Ltd.Qingdao/Shandong, China DK, 1DK GoodyearMontlucon, France DL, 1DL GoodyearAmiens, France DM, 1DM GoodyearHanau, Germany DN, 1DN GoodyearWittlich, Germany DP, 1DP J.S.C. Cordiant-VostokOmsk, Russia DR, 1DR Weifang Antai TyreWeifang/Shandong, China DT, 1DT Qingdao Fuyuan Tyre Co. Ltd.Qingdao, Shandong, China DU, 1DU Giti Greatwall Tire (Yinchuan) Co. Ltd.Yinchuan/Ningxia, China DV, 1DV Vredestein Banden B.V.Enschede, Netherlands D0, 1D0 Kumho Tire (Changchun) Co. Inc.Changchun, Jilin, China D2, 1D2 Bridgestone Corp.LaVergne, Tenn. D4, 1D4 Dunlop India . . . Calcutta, India D5, 1D5 Dunlop India . . . Madras, India D6, 1D6 Fujian Haian Rubber Co. Ltd.Putian City, China D7, 1D7 Sumitomo RubberLadysmith, South Africa D8, 1D8 Apollo Tyres South AfricaDurban, South Africa	FH, 1FH MichelinClermont-Ferrand/Cataroux, France FJ, 1FJ Michelin Bourges, France FK, 1FK Michelin Cholet, France FL, 1FL MichelinMontceau-les-Mines, France FN, 1FN Michelin Tours, France FR, 1FR Coaxian Guidestone Tyre Co. Ltd.Coaxian/Shandong, China FS, 2FS Jinzhou Xin Xing Rubber Production Co. Ltd.Xin Xing, China FT, 1FT MichelinBad Kreuznach, Germany FU, 1FU Michelin Bamberg, Germany FV, 1FV MichelinHomburg/Saar, Germany FW, 1FW MichelinKarlsruhe, Germany FY, 1FY Balkrishna Industries Ltd.Kutch, Gujarat, India F0, 1F0 Titan Tire Natchez, Miss. F1, 1F1 MichelinDundee, Scotland/U.K. F2, 1F2 Bridgestone Corp.Valencia, Venezuela F3, 1F3 Michelin Roanne, France F4, 1F4 CNB/Camac . . . Porto, Portugal F5, 1F5 FATEBuenos Aires, Argentina F6, 1F6 Bridgestone Corp.Puente San Miguel, Spain F7, 1F7 Bridgestone Corp.Puente San Miguel, Spain F8, 1F8 JK Tyre (ex-Vikrant)Mysore, India	J8, 1J8 Ta Chung HuaShanghai, China J9, 1J9 PT IntirubJakarta, Indonesia JA, 1JA Liaoning Permanent Tyre Co. Ltd.Chaoyang, Liaoning, China JB, 1JB1 Shandong Zhengxing Tyres Co. Ltd.Linyi, Shandong, China JD, 1JD P.T. Suryaraya Rubberindo Industries Bogor, Indonesia JE, 1JE Shandong Yongsheng Rubber Co. Ltd.Dongying, Shandong, China JG, 2J6 Jilin Province Chunwei Tyre Co. Ltd.Gongzhuiling/Jilin, China JH, 1JH Shandong Shuanwang Rubber Co. Ltd.Dongying, Shandong, China JJ, 1JJ Nexen Tire Corp.Laikishi, Qingdao, China JK, 1JK Tovic Tire Co. Ltd.Changwon City, South Korea JL, 1JL Shandong Bayi Sailan Tyre Manufacturer Co. Ltd.Zao Zhuang, Shandong, China JM, 1JM YokohamaSuzhou, Jiangsu, China JN, 1JN Dongying Fangxing Rubber Co. Ltd.Dongying, Shandong, China JP, 1JP Anhui Primewell Rubber & Plastics Co. Ltd.Hefei/Anhui, China JR, 1JR Pirelli Tire L.L.C.Rome, Ga.	JT, 1JT K.R.M. Tyres Baddi, India JU, 1JU Hangzhou Zhongce Rubber Co. Ltd.Hangzhou, Zhejiang, China JV, 1JV Fullrun Tyre Tech Corp. Ltd.Qingdao, Shandong, China JW, 1JW Pirelli Voronezh, Russia JX, 1JX Dongying Xinjinshan Rubber Co. Ltd.Dongying, Shandong, China JY, 1JY Bridgestone StargardStargard Szczecinski, Poland	K KA, 1KA Deestone Radial Tyre (dba Svizz One Corp. Ltd.)Banglana,Nakompathom, Thailand KB, 1KB Zhaoqing Junhong Co. Ltd.Zhaoqing, Guangdong, China KC, 1KC RosavaBelaya Tserkov/Kiev, Ukraine KD, 1KD Valisa Bila Tserkva TyreBelaya Tserkov/Kiev, Ukraine KE, 1KE Shandong Jinyu Industrial Rubber Co. Ltd.Dongying, Shandong, China KF, 1KF Shandong Linglong Rubber Co. Ltd.Zhao yuan, Shandong, China KH, 1KH Shandong Sangong Rubber Co. Ltd.Shandong, China KJ, 1KJ Shandong Province Sanli Tire Mfg. Co. Ltd.Caoxian, Shandong, China KK, 1KK Dalian Tyre Factory Co. Ltd.Dalian, Liaoning, China KL, 1KL Anlas Anadolu Lastik Sanayi ve Ticaret A.S.Ulus, Istanbul, Turkey KM, 1KM Lee Tire/GoodyearColmar-Berg, Luxembourg KN, 1KN Hangzhou Chaoyang Rubber Co. Ltd.Hangzhou, Zhejiang, China KP, 1KP Shandong Zhushenghua Rubber Co. Ltd.Dongying, Shandong, China KR, 1KR Wuxi Double FlyingWuxi, China KT, 1KT Automobile Tyre & TubeDanang, Vietnam KU, 1KU Welsfa Dawang Rubber Products Co. Ltd.Changyi, Shandong, China KV, 1KV Nanjing Tire Co. Ltd.Nanjing, Jiangsu, China KW, 1KW Shengtai Group Co. Ltd.Dongying, Shandong, China KX, 1KX Shandong New Dong Yue Group Co. Ltd.Dongying City, Shandong, China KY, 1KY Dongying Tiantong Rubber & Plastic Co. Ltd.Dongying City, Shandong, China
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K0, 1K0 Nexen Tire
.....Yang San, South Korea
K2, 1K2 Kumho Tire (Vietnam) Co. Ltd.
.....Ho Chi Minh City, Vietnam
K3, 1K3 Kenda Rubber
.....Yuanlin, Taiwan
K4, 1K4 Industrias Michelin
S.A. de C.V.Queretaro, Mexico
K5, 1K5 Pneumant (Goodyear-Dunlop)
.....Fuerstenwalde, Germany
K6, 1K6 Qingzhou Hua Han Rubber
Co. Ltd.Qinzhou City, China
K7, 1K7 Foshan Shunde Tian Di
Rubber Co. Ltd.Foshan, Guangdong, China
K8, 1K8 Shandong Zhengfang Tyre
Co. Ltd.Taian, Shandong, China
K9, 1K9 Tech Rubber Co. Ltd.
.....Changhua, Taiwan

L

LA, 1LA Wuxi Yangfang Rubber
Engineering Co. Ltd.Wuxi, Jiangsu, China
LB, 1LB Shandong Fengyuan Tire Mfg.
Co. Ltd.Zahzhuan City, Shandong, China
LC, 1LC Casumina
.....Ho Chi Minh, Vietnam
LD, 1LD Zhejiang Wanxin Rubber
Co. Ltd.Xianju, Zhejiang, China
LE, 1LE Weifang Lutong Rubber Co.
Ltd.Weifang, Shandong, China
LF, 1LF Continental A.G.
.....Hannover, Germany
LH, 1LH Speedways Rubber Co.
.....Jalandhar, India
LJ, 1LJ Schefer Comercio
InternacionalPinhais, Parana, Brazil
LL, 1LL Uniroyal Englebert
(Continental)Clairoix, France
LM, 1LM Uniroyal Englebert
(Continental)Aachen, Germany
LP, 1LP Shandong ZhenTai Group Co.
Ltd.Gaomi City, Shandong, China
LR, 1LR TVS Srichakra Ltd.
.....Tamil Nadu, India
LT, 1LT GoodyearAapazari, Turkey
LU, 1LU PirelliValencia, Venezuela
LW, 1LW Trelleborg
.....Trelleborg, Sweden
LX, 1LX Mitsubishi Belting
.....Kobe, Japan
LY, 1LY Mitsubishi Belting
.....Shikoku, Japan
L0, 1L0 Michelin
.....Gravanches, France
L1, 1L1 GoodyearTaipei, Taiwan
L4, 1L4 Danubiana
.....Bucharest, Romania
L5, 1L5 BRISA/LASSA
.....Izmit, Turkey
L6, 1L6 Continental India Ltd.
.....Modipuram, India
L7, 1L7 S.C. Silvania S.A. (Michelin)
.....Zalau, Romania

M

MA, 1MA Zhejiang Best Rubber Co. Ltd.
.....Shaoxing, Zhejiang, China
MB, 1MB GoodyearAkron/Plant 2
MC, 1MC GoodyearDanville, Va.
MD, 1MD GoodyearGadsden, Ala.
ME, 1ME Zhejiang Yizheng Tyre Co.
.....Ruian, Zhejiang, China
MF, 1MF Danang Rubber J.S.C.
.....Danang, Vietnam
MH, 1MH Weifang Jingtong Da Tyre Co.
Ltd.Goomi City, Shandong, China
MJ, 1MJ GoodyearTopeka, KS
MK, 1MK Qingdao Taihao Tyre Co. Ltd.
.....Pingdu City, Qingdao, China
ML, 1ML P.T. Banteng Pratama Rubber
.....Bogor, Indonesia
MM, 1MM Kenda Tire (Tianjin) Co. Ltd.
.....Tianjin, China
MN, 1MN Dong Nai Rubber Factory
(CASUMINA)Dong Nai Province, Vietnam
MP, 1MP Binh Loi Rubber Factory
.....Ho Chi Minh City, Vietnam
MR, 1MR Qingdao Yellow Sea Tire
FactoryQingdao/Shandong, China
MT, 1MT Suntop Tire (Wuxi) Co. Ltd.
.....Wuxi, Jiangsu, China
MU, 1MU Ruian Jianda Tyre
Manufacture Co. Ltd.Ruian, Zhejiang, China
MV, 1MV Shandong Wonbon Rubber
Co. Ltd.Dongying, Shandong, China
MW, 1MW Shenyang Peace Radial
Tyre Mfg. Co. Ltd.Shenyang, Liaoning
MX, 1MX GoodyearSao Paulo, Brazil

MY, 1MY GoodyearCali, Colombia
M0, 1M0 Neumaticos de Chile (BFS)
.....Coquimbo, Chile
M1, 1M1 Laoliling Vheal Rubber
Co. Ltd.Laoling City, China
M2, 1M2 Dongying Huantai Rubber
Co. Ltd.Dongying, China
M3, 1M3 Michelin,Greenville, SC
M5, 1M5 Michelin
.....Waterville, Nova Scotia
M6, 1M6 GoodyearLawton, Okla.
M7, 1M7 GoodyearSantiago, Chile
M8, 1M8 Premier Tyres
.....Kalamassery, India
M9, 1M9 Shandong Havstear Rubber
Technology Co. Ltd.Dongying City, Shandong, China

N

NA, 1NA Sumitomo Rubber
do Brasil Ltd.Fazenda Rio Grande, Parana, Brazil
NB, 1NB Goodyear
.....Wolverhampton, England
NC, 1NC GoodyearAmiens, France
ND, 1ND Goodyear
.....Philippsburg, Germany
NE, 1NE Gummiwerke Fulda (Goodyear)
.....Fulda, Germany
NF, 1NF Jinyong (Qingyuan) Rubber
Industrial Co. Ltd.Qingyuan City, Guangdong, China
NH, 1NH Qingdao Huasheng Rubber
Co. Ltd.Pingdu Qingdao City, China
NJ, 1NJ Goodyear
.....Colmar-Berg, Luxembourg
NK, 1NK GoodyearHaryana, India
NL, 1NL GoodyearBogor, Indonesia
NM, 1NM Tianjin Xieli Rubber Product
Ltd. Co.Tianjin, China
NN, 1NN Chongqing Dragon Rubber
Products Co. Ltd.Changshou/
Chongqing, Chongqing, China
NP, 1NP I-Greatest Rubber Ind.
Co. Ltd.Mexico City, Mexico
NR, 1NR Shandong Rongcheng Tire
Factory Co.Rongcheng/Shandong, China
NT, 1NT GoodyearLima, Peru
NU, 1NU Qingdao Honghua Tyre
FactoryQingdao City, China
NV, 1NV Weifang Huadong Rubber Co.
Ltd.Shouguang, Shandong, China
NW, 1NW Goodyear
.....Uitenhage, South Africa
NX, 1NX Weifang Angu Rubber
Industry Co. Ltd.Shouguang City, Shandong, China
NY, 1NY Goodyear
.....Bangkok, Thailand
N3, 1N3 Toyo TireKuwana, Japan
N4, 1N4 Victoria (Michelin)
.....Floresti, Romania
N5, 1N5 Pneumant (Goodyear)
.....Riesa, Germany
N6, 1N6 Reifen. Heidenau
.....Heidenau, Germany
N7, 1N7 CaracalCaracal, Romania
N8, 1N8 Shandong Cascen Rubber
Ind. Ltd.Zaozhuan City, Shandong, China
N9, 1N9 Pirelli
.....Feira de Santana/ Bahia, Brazil

P

PA, 1PA GoodyearIzmit, Turkey
PB, 1PB Goodyear
.....Valencia, Venezuela
PC, 1PC Goodyear
.....Medicine Hat, Alberta
PD, 1PD Xinjiang Kunlun Engineering
Tyre Co. Ltd.Korle City, China
PE, 1PE MRF Ltd.
.....Perambalur, Tamil Nadu, India
PF, 1PF Qingdao Huawu Rubber &
Plastic Co. Ltd.Qingdao, Shandong, China
PH, 1PH Dongying Durun Tyre Co. Ltd.
.....Dawang, Dongying, China
PJ, 1PJ Kelly-Springfield (Goodyear)
.....Fayetteville, N.C.
PK, 1PK Titan Tire Corp.
.....Freeport, Ill.
PM, 1PM Qingdao Chengtai Hand Truck
Co. Ltd.Jiaonan Qingdao, Shandong, China
PN, 1PN Sifute Industrial Group Ltd.
.....Shandong, China
PP, 1PP Shandong Guofeng Rubber &
Plastic Co. Ltd.Dawang, Guangrao, China
PR, 1PR Weihai Pingan Tyre Co. Ltd.
.....Rongcheng, China
PT, 1PT Ceat Ltd.
.....Baroda, Gujarat, India

PU, 1PU Arai Shoji Co. Ltd.
.....Minato-Ku (Tokyo), Japan
PV, 1PV Cenchelyn Tire Co. Ltd.
.....Jimo, Shandong, China
PW, 1PW Toyo Tire & Rubber Co. Ltd.
.....Hyogo, Itami, Japan
PX, 1PX Techno Innovative Rubber
Enterprise Inc.Scarborough, Ontario
PY, 1PY Weifang Huari Rubber
Co. Ltd.Shouguang City, Shandong
P0, 1P0 Apollo Tyres Ltd.
.....Sriperumbudur, Tamil Nadu, India
P1, 1P1 Goodyear
.....Hebron, Ohio, USA
P2, 1P2 Cenchelyn Tire Co. Ltd.
.....Jimo, Shandong, China
P4, 1P4 Caristar Group
.....Jackson, Tenn.
P5, 1P5 Continental Tire de Mexico
.....San Luis Potosi, Mexico
P6, 1P6 Yonkang City Huajin Silicon
Rubber Co. Ltd.Yongkang, China
P7, 1P7 Maggion Industrias de Pneus
e Maquinas Ltd.Guarulhos, Brazil
P8, 1P8 Qingdao Rubber
.....Qingdao, China
P9, 1P9 MRF Ltd.Kottayam, India

R

RA, 1RA Taizhou Renli Tire Co. Ltd.
.....Taizhou, China
RB, 1RB Bridgestone Neumaticos
de Monterrey
.....Cieneaga de Flores, Mexico
RC, 1RC Qingdao Mao Xing Rubber
Co. Ltd.Qingdao, China
RD, 1RD Corporacion de Occidente
.....El Salto, Mexico
RE, 1RE Qingdao Elite Rubber Co. Ltd.
.....Qingdao, China
RF, 1RF Qingdao Tianchi Tyre Co. Ltd.
.....Qingdao, China
RH, 1RH Qingdao Huashi Industrial
Products Co. Ltd.Qingdao, China
RJ, 1RJ Anlas Anadolu Lastik Sanayii
ve Ticaret A.S.Duzce, Turkey
RK, 1RK Innovative Tyres & Tubes Ltd.
.....Halol, Gujarat, India
RL, 1RL International Machinery &
Equipment (Zhengzhou) Co. Ltd.Zhengzhou, Henan, China
RM, 1RM Cooper Kunshan Tire Co. Ltd.
.....Kunshan, China
RP, 1RP Taizhou Taiyangfeng Rubber
Co. Ltd.Xianju County, China
RR, 1RR BelshinaBobruisk, Belarus
RT, 1RT Dongguan Huacheng Tyre
FactoryDongguan, Guangdong, China
RU, 1RU RekordBelgrade, Serbia
RV, 1RV Eternal Rise Tyre (Tianjin)
Co. Ltd.Tianjin, China
RW, 1RW Societe Tunisienne des
Industries de Pneumatique (STIP)Sousse, Tunisia
RX, 1RX PRS Tyres Ltd.
.....Rasipuram, Tamil Nadu, India
RY, 1RY Shandong Changfeng Tyres
Co. Ltd.Dongying, Shandong, China
R0, 1P0 Amerityre Corp.
.....Boulder City, Nev.
R1, 1R1 Dezhou Linglong Tyre Co. Ltd.
.....Dezhou, China
R2, 1R2 Tianjin Zhenxin Rubber
Co. Ltd.Tianjin, China
R3, 1R3 Zhejiang Xinchang Zhongyia
IndustryXinchang, China
R4, 1R4 Shandong Shifeng (Group)
Co. Ltd.Gaotang, China
R5, 1R5 Shandong Hengyu Rubber
Co. Ltd.Guangrao, China
R6, 1R6 Qingdao Chongkun Industrial
DevelopmentQingdao, China
R7, 1R7 Corporacion de Occidente
.....El Salto, Mexico
R8, 1R8 Sumitomo Rubber (Thailand)
Co. Ltd.Rayong, Thailand
R9, 1R9 Taizhou Julun Tyre Co. Ltd.
.....Lunan/Taizhou, China

T

TA, 1TA Wendeng Sanjing Chemistry
Co. Ltd.Wendeng, Shandong, China
TB, 1TB Sentaia Group Co.
.....Jimo, Shandong, China
TC, 1TC Goodyear Dalian Tire Co. Ltd.
.....Pulandian, Dalian, China
TD, 1TD Acme Rubber Ind. Co. Ltd.
.....Tianjhong, Changhua, Taiwan
TE, 1TE CST Rubber (Zhangzhou)
Ind. Ltd.Zhangzhou, Henan, China

.....Gangwei, Longhai, Fujian, China
TF, 1TF Qingdao Qianzhen Tyre
Co. Ltd.Pingdu City, Shandong, China
TH, 1TH Weifang Longshan Tyre
Co. Ltd.Gaomi, Shandong, China
TJ, 1TJ Chaoyang Long March Tyre
New Co. Ltd.Chaoyang, Liaoning, China
TK, 1TK Yokohama Russia P.Z.
.....Lipetsk, Russia
TL, 1TL Sichuan Kalevei Technology
Co. Ltd.Jianyang, Sichuan, China
TM, 1TM Bridgestone Huizhou
.....Huizhou, Guangdong, China
TN, 1TN Weifang Huantai Rubber
Co. Ltd.Changyi City, Shandong, China
TP, 1TP Double Coin Group
(Chongqing) Tire Co. Ltd.Shanghai, China
TR, 1TR Qingdao Shuanghe Tyre
Co. Ltd.Pingdu, Shandong, China
TT, 1TT Shandong Deruibao Tire Co.
Ltd.Guangrao, Qingdao, China
TU, 1TU Qingdao Morewin Rubberware
Co. Ltd.Jiaonan, Qingdao, China
TV, 1TV Shandong O'Green Tyres
Co. Ltd. Dongying, Shandong, China
TW, 1TW Weifang Shunfuchang Rubber
& Plastic Co. Ltd.Shouguang, Shandong, China
TX, 1TX Wiegell Rubber Co. Ltd.
.....Handan, Hebei, China
TY, 1TY Wiegell Rubber Co. Ltd.
.....Pingdu, Shandong, China
T1, 1T1 HankookSeoul, South Korea
T2, 1T2 Stomil (Michelin)
.....Olstzyn, Poland
T3, 1T3 TC Debica (Goodyear)
.....Debica, Poland
T5, 1T5 Tigar Tyres D.o.o.Michelin
.....Piro, Serbia
T6, 1T6 Qingdao Yuanda Tyre Co. Ltd.
.....Pingdu, Shandong, China
T7, 1T7 Hankook
.....Taejeon, South Korea
T8, 1T8 GoodyearSelangor, Malaysia
T9, 1T9 MRF Ltd.Goa, India

U

UA, 1UA Nexen Tire Corp.
.....Changnyeong-gun,
Gyeongsangnam-do, South Korea
UB, 1UB Shandong Hengyu Science &
Technology Co. Ltd.Dawang, Shandong, China
UC, 1UC Shandong Fuyu Bluestone
Tyre Co. Ltd.Zibo, Shandong, China
UD, 1UD Mitas Tires North America Inc.
.....Charles City, Iowa
UE, 1UE Tiensun Rubber Tire (Weihai)
Co. Ltd.Weihai, Shandong, China
UF, 1UF Shaanxi Yanchang Petroleum
Group Rubber Co.Xianyang, Shaanxi, China
UH, 1UH Shandong Yinuo Engineering
Tyre Co. Ltd.Tengzhou City, Shandong, China
UJ, 1UJ China National Tyre & Rubber
Guilin Co. Ltd.Suqiao, Guilin, China
UK, 1UK Toyama Tyre Corp. Ltd.
.....Beijing, China
UL, 1UL Chen Shin Tire & Rubber
(Chongqing) Co. Ltd.Chang-Hua Hsien, Taiwan
UN, 1UN Pirelli Neumaticos S.A.
de C.V.Silao, Mexico
UP, 1UP Cooper Tire
.....Findlay, Ohio
UR, 1UR Good Friend Tyre Co. Ltd.
.....Jiaozuo, Henan, China
UT, 1UT Cooper Tire
.....Texarkana, Ark.
UV, 1UV Kzowa Rubber
.....Osaka, Japan
UW, 1UW Okada Tire
.....Tokyo, Japan
UX, 1UX FederalTaipei, Taiwan
UY, 1UY Cheng Shin
.....Yuanlin, Taiwan
U1, 1U1 Lien Shin Tire
.....Taipei, Taiwan
U2, 1U2 Sumitomo Rubber
.....Shirakawa, Japan
U3, 1U3 Cooper Tire
.....Krusevac, Serbia
U8, 1U8 NankangHsin Fung, Taiwan
U9, 1U9 Cooper Tire
.....Tupelo, Miss.

V

VA, 1VA Sumitomo Rubber (Thailand)
Co. Ltd.Amphur Pluakdaeng,

.....Rayong, Thailand
VB, 1VB Anhui Darui Rubber Co. Ltd.
.....Wuhu, Anhui, China
VC, 1VC Shandong Haoyu Rubber
Co. Ltd.Guangrao County,
Shandong, China
VD, 1VD Qingdao Hongchi Tyre
Co. Ltd.Pingdu, Qingdao, China
VE, 1VE Bridgestone Corp.
.....Des Moines, Iowa
VF, 1VF Weifang Zhenfu Industrial Co.
Ltd.Gaomi City, Shandong, China
VH, 1VH Sumitomo Rubber (Hunan)
Co. Ltd.Changsha, Hunan, China
VJ, 1VJ Aeolus Tyre Co. Ltd.
.....Jiaozuo, Henan, China
VK, 1VK Qingdao Yuanzhou Rubber
Products Co. Ltd.Jiaonan, Shandong, China
VL, 1VL Continental Kaluga
.....Kaluga, Russia
VM, 1VM Zhucheng Guoxin Rubber Co.
Ltd.Zhucheng, Shandong, China
VN, 1VN Bridgestone Corp.
.....Joliette, Quebec
VP, 1VP Bridgestone Corp.Bari, Italy
VR, 1VR Bridgestone Tatabanya
Manufacturing Co. Ltd.Tatabanya, Hungary
VT, 1VT Bridgestone Corp.
.....Bilbao, Spain
VV, 1VV Brilard Rubber Tire Co. Ltd.
.....Wenzhou, China
VW, 1VW Sumitomo Rubber
.....Izumi-ohsu, Japan
VX, 1VX Weihai Huamao Rubber
Science & TechnologyWeihai, Shandong
VY, 1VY Continental Tire - Sumter
.....South Sumter, South Carolina
V1, 1V1 Livingston's Tire
.....Hubbard, Ohio
V2, 1V2 Volzhsky Tire
.....Volzhsky, Russia
V3, 1V3 Ta Hsin TireTaipei, Taiwan
V4, 1V4 Sumitomo Rubber
.....Miyazaki, Japan
V6, 1V6 Bridgestone Corp.
.....Cuernavaca, Mexico
V7, 1V7 Voronezhsky Tire
.....Voronezh, Russia
V8, 1V8 Michelin India Tamil Nadu
Tyres Pvt. Ltd.Gummipoondi Taluk Tiruvallur, India

W

WA, 1WA Bridgestone Corp.
.....Bethune, France
WB, 1WB Bridgestone Corp.
.....San Jose, Costa Rica
WC, 1WC Sumitomo Rubber do Brasil
Ltda.Rio Grande, Parana, Brazil
WD, 1WD Hebei Tianrui Rubber Co. Ltd.
.....Handan, Hebei, China
WE, 1WE Nankang
.....West Taipei, Taiwan
WF, 1WF Bridgestone Corp.
.....Burgos, Spain
WH, 1WH Shandong Fenglun Tyre Co.
Ltd.Zaozhuan, Shandong, China
WJ, 1WJ Shanghai Hanghong Rubber
ManufactureShanghai, China
WK, 1WK Wuyi Fengyuan Mining
Machine Manufacturer Co. Ltd.Wuyi, Zhejiang, China
WL, 1WL Ningbo Hualin
.....Yuyao, Zhe Jiang, China
WM, 1WM South Pacific Tyres
.....W. Footscray, Australia
WN, 1WN Trelleborg Wheel Systems
(ex-Hebei Starbright Tire Co. Ltd.)Xingtai, Hebei, China
WP, 1WP Guangzhou South China Tire
& Rubber Co. Ltd.Aotou, Guangdong, China
WR, 1WR JK Tyre & Industries Ltd.
.....Kancheepuram, Tamil Nadu, India
WT, 1WT MRF Ltd.Madras, India
WU, 1WU Ceat TyresBombay, India
WV, 1WV General Rubber
.....Taipei, Taiwan
WY, 1WY Pneustone S.A.
.....Guadalajara, Mexico
W0, 1W0 Inoue Rubber
.....Bangkok, Thailand
W1, 1W1 Bridgestone Corp.
.....La Vergne, Tenn.
W2, 1W2 Bridgestone Corp.
.....Wilson, N.C.
W5, 1W5 Bridgestone Corp.
.....Buenos Aires, Argentina
W7, 1W7 Jiangsu Chengtong Tire
Co. Ltd.Xuzhou, China
W8, 1W8 Siam Tire
.....Bangkok, Thailand
W9, 1W9 Bridgestone India Pvt. Ltd.
.....Maharashtra, India

X

XA, 1XA	Pirelli	Bollate, Italy
XB, 1XB	Pirelli	
XC, 1XC	Settimo Veicoli/Turin, Italy	
XD, 1XD	Trelleborg Wheel Systems S.p.A.	Tivoli, Italy
XE, 1XE	P.T. Evoluzione Tyres (Pirelli)	Wanakerta Purwadadi, Subang, Indonesia
XH, 1XH	Pirelli Pneu S.A.	Gravatá, Brazil
XI, 1XI	Pirelli Kirov O.p.c.o.	Kirov, Russia
XJ, 1XJ	Pirelli	Izmit, Turkey
XK, 1XK	Pirelli	Sao Paulo, Brazil
XL, 1XL	Pirelli	
XM, 1XM	Pirelli	Sao Paulo/Campinas, Brazil
XN, 1XN	Pirelli	Merlo, Argentina
XP, 1XP	Pirelli	Carlisle, England
XR, 1XR	Burton-on-Trent, England	
XS, 1XS	Qingdao Morechi Rubber Co. Ltd.	Jiaonan, Shandong, China
XT, 1XT	Pirelli	Breuberg, Germany
XU, 1XU	Dongying Zhongyi Rubber Co. Ltd.	Dongying, Shandong, China
XV, 1XV	Tolins Tyres Pvt. Ltd.	Kalady, Kerala, India
XW, 1XW	Qingzhou Huachen Rubber Co. Ltd.	Qingzhou, Shandong, China
XX, 1XX	Bandag Inc.	Muscatine, Iowa
XY, 1XY	Bridgestone	Joliet, Quebec
XZ, 1XZ	Nizhnekamskshina	Nizhnekamsk, Russia
Y1, 1Y1	Tong Shin Chemical	Seoul, South Korea
Y2, 1Y2	Hwa Fong Rubber	Yuanlin, Taiwan
Y3, 1Y3	Rosava	Belaya Tserkov, Ukraine
Y4, 1Y4	Pars Tyre	Savah, Iran
Y5, 1Y5	JK Industries	Kankrolli, India
Y6, 1Y6	Belshina	Bobruysk, Byelorussia
Y7, 1Y7	Chimkentsky Tire	Chimkent, Kazakhstan
Y8, 1Y8	Dneproshina	Dnepropetrovsk, Ukraine
Y9, 1Y9	Moscow Tire	Moscow, Russia
Y10, 1Y10	MRF Ltd.	Perambalur, Tamil Nadu, India
Y11, 1Y11	Pirelli Voronezh O.p.c.o.	Voronezh, Russia
Y12, 1Y12	LLIT (Thailand) Co. Ltd.	(Shandong Linglong Tyre Co. Ltd.)
Y13, 1Y13	Sriracha, Chonburi, Thailand	
Y14, 1Y14	Bridgestone Corp.	Des Moines, Iowa
Y15, 1Y15	Numsiam Rubber (Laos) Co. Ltd.	Spen District, Savannakhet, Laos
Y16, 1Y16	Sailun (Vietnam) Co. Ltd.	Dong Ward, Tay Ninh, Vietnam
Y17, 1Y17	Shandong Anchi Tyres Co. Ltd.	Zhucheng City, Shandong, China
Y18, 1Y18	Nokian Tyres	Nokia, Finland
Y19, 1Y19	Yokohama India Pvt. Ltd.	Bahadurgarh Plant
Y20, 1Y20	District Jhajjar, India	
Y21, 1Y21	Aung Htet Myet Co. Ltd.	Yangon, Myanmar
Y22, 1Y22	Hangzhou Shunyu Tire Manufacture Co. Ltd.	Hangzhou, China
Y23, 1Y23	Qingdao Huada Rubber Production Co. Ltd.	Jiaonan, Shandong, China
Y24, 1Y24	Birla Tyres (Kesoram Industries Ltd.)	Hardiwar, Uttar Khand, India
Y25, 1Y25	Hangzhou Yokohama Tire Co. Ltd.	Hangzhou, China
Y26, 1Y26	Longkou Yongan Vehicle Window Co. Ltd.	Longkou City, China
Y27, 1Y27	Anhui Heding Tyres Technology Co. Ltd.	Bengbu, Anhui, China
Y28, 1Y28	Nizhnekamsk Truck Tire Plant Ltd.	Nizhnekamsk, Russia
Y29, 1Y29	Nizhnekamsk All Steel Tyres Plant Ltd. (NASTP)	Nizhnekamsk, Russia
Y30, 1Y30	Kumho	Koksung, S.Korea
Y31, 1Y31	Goodyear	Americana, Brazil
Y32, 1Y32	Bridgestone Corp.	Wilson, N.C.

Y

Y3, 1Y3	Shandong Goodyear Rubber Co. Ltd.	Dezhou, China
Y4, 1Y4	ATC Tires Pvt. Ltd.	Mumbai, India
Y5, 1Y5	Shanghai Michelin Warrior Tyre Co. Ltd.	Shanghai, China
Y6, 1Y6	Continental-Sime Tyres	Kedah, Malaysia
Y7, 1Y7	Bridgestone Corp.	La Vergne, Tenn.
Y8, 1Y8	Bombay Tyres	Bombay, India
Y9, 1Y9	P.T. Gajah Tunggal	Tangerang, Indonesia
NUMBERS FIRST CODES		
00A	Zhucheng Yihesheng Rubber Co. Ltd.	Zhucheng City, China
00B	Radial Tire Factory	Yuen Town, Vietnam
00C	Delun Tire Co. Ltd.	Dingyuan, Anhui, China
00D	Jilin Jixing Tire Co. Ltd.	Gaoxin District, China
00E	Link Fortune Tyre Tube Co. Ltd.	Huyen Go Dao, Vietnam
00F	Open Joint Stock Co. Omskshina	Omsk, Russia
00H	Ningbo Fleming Machine Co. Ltd.	Ningo, China
00J	Weihai Good Partner Tire Co. Ltd.	Wehai, China
00K	Zhongce Rubber (Thailand) Co. Ltd.	Pluakdaeng, Thailand
00L	Dongying Monday Rubber Technology Co. Ltd.	Dongying, China
00M	Qingdao Fleming Tyre Co. Ltd.	Qingdao, China
00N	Rizhao Fleming Rubber Co. Ltd.	Rizhao, China
00P	Tristar Tyre Factory	Insein Township, Myanmar
00R	Ceat Kelani Radials (Pvt) Ltd.	Kelaniya, Sri Lanka
00T	Hankook Tire Manufacturing Tennessee L.P.	Clarksville, Tenn.
00U	Ozka Lastik ve Kaucuk San Tic S.A.	Kocaeli, Turkey
00V	Qingdao Kunhua Machinery Co. Ltd.	Qingdao City, China
00W	Qingdao Fleming Tyres Co. Ltd.	Qingdao, China
00X	Yongan Fleming Fujian Co. Ltd.	Yongan, China
00Y	Ace Tyre Ltd.	Medak Dist, India
0A, 10A	Siam Rubber	Samutsakhon, Thailand
0B, 10B	Bridgestone Corp.	Wilson, N.C.
0C, 10C	Michelin Siam	Laem Chabang, Thailand
0D, 10D	Guizhou Tyre Factory	Guizhou, China
0E, 10E	Bridgestone Corp.	Puente San Miguel, Spain
0F, 10F	Innova Rubber (Pingu) Co. Ltd.	Pinghu City/Zhejiang, China
0H, 10H	Triangle Group (Shandong Tyre Factory)	Weihai, China
0J, 10J	Beijing Tyre Factory	Sheng Men Wai, Beijing, China
0K, 10K	Guangzhou Pearl River Rubber Tyre Ltd.	Guilin, Guangxi, China
0L, 10L	MRF	Madras, India
0M, 10M	TRENCO	Alexandria, Egypt
0N, 10N	Zhejiang Huntington Forlong Rubber Co. Ltd.	Fuyang/Zhejiang, China
0P, 10P	B.F. Goodrich do Brazil	Sao Paulo, Brazil
0R, 10R	Cheng Shing Rubber (Tianjin Dafeng) Ind. Co. Ltd.	Tianjin, China
0T, 10T	Sumitomo Rubber (Suzhou) Co. Ltd.	Changshu, Jiangsu, China
0U, 10U	Shandong Linglong Rubber Co. Ltd.	Zhaoyan/Shandong, China
0V, 10V	Hangzhou Yokohama Tire Co. Ltd.	Hangzhou, China
0W, 10W	Voronezh O.p.c.o.	Voronezh, Russia
0X, 10X	Achievor Tire	Qingdao, China
0Y, 10Y	China Qingdao No. 6 Group Co. Ltd.	Qingdao/Shandong, China
1A, 11A	Union Rubber Industries Co. Ltd.	Taipei, Taiwan
1B, 11B	Pirelli	Valencia, Venezuela
1D, 11D	Bridgestone	Shimonoseki, Japan
1E, 11E	Liaoning Tyre Factory	Chaoyang, China
1G, 21G	Hankook Tire (Jiaxing) Co. Ltd.	Jiaxing/Zhejiang, China

1H, 11H	Continental Tire Andina S.A.	Cuenca, Ecuador
1J, 11J	Xiamen Petrel Rubber Co. Ltd.	Xiamen, Fujian, China
1K, 11K	Doublestar Dong Feng Tyre Co. Ltd.	Shi Yan City, Hubei, China
1L, 11L	Continental Tyre South Africa	Port Elizabeth, South Africa
1M, 11M	Shandong Taishan Tyre Factory	Feicheng City/Shandong, China
1N, 11N	Tianjin Kings Glory Tire Co. Ltd.	Yang Liu Qing, Tianjin, China
1P, 11P	Shandong Haohua Tire Co. Ltd.	Shouguang, China
1R, 11R	Chaoyang Long March Tyre Co. Ltd.	Chaoyang, Liaoning, China
1S, 20S	Thai Sin Rubber Industry Ltd.	Samutsakorn, Thailand
1T, 11T	Bridgestone Tire Manufacturing Vietnam L.L.C.	Hai Phong City, Vietnam
1U, 11U	Bridgestone (Tianjin)	Tianjin, China
1V, 11V	Thai Bridgestone	Nong Khae/Saraburi, Thailand
1W, 11W	Goodyear India	Aurangabad, India
1X, 11X	Sichuan Lion Tyre Co. Ltd.	Jianyang/Sichuan, China
1Y, 11Y	Shandong Huatui Rubber Co. Ltd.	Laiwu/Shandong, China
1Z, 11Z	Otani Tire Co. Ltd.	Nakornpathom, Thailand
2A, 12A	Jiuh Shuenn Enterprise Co. Ltd.	Taichung, Taiwan
2B, 12B	Deestone Ltd.	Samutsakorn, Thailand
2C, 12C	Bridgestone Corp.	Warren County, Tenn.
2D, 12D	Silverstone (Toyo Tire & Rubber Co. Ltd.)	Kamunting/Perak, Malaysia
2E, 12E	Federal Tire (Jiangxi Taifeng Tire Co. Ltd.)	Nanchang, China
2G, 22G	PT Mega Rubber	Semarang, Indonesia
2H, 12H	Dewan Tyres Ltd.	Meerat, India
2I, 12I	Qingdao Glen Group Co.	Yangjiaquan/Qingdao, China
2J, 12J	Double Coin Heavy-Duty Tire Co. Ltd.	Ta Chung Hua, China
2K, 12K	Liaoning Long March	Liaoning, China
2L, 12L	Quindao Tongtai Rubber Factory	Quingdao City, China
2M, 12M	Bridgestone Corp.	Bloomington, Ill.
2N, 12N	Ningbo Hualin	Yuyao, Zhe Jiang, China
2P, 12P	Yokohama Tyre Vietnam Inc.	Binh Duong, Vietnam
2Q, 22Q	Kenda Rubber	Guangdong, China
2R, 12R	Bridgestone	Karawang, Indonesia
2T, 12T	Wuxi Far East Tyre Co. Ltd.	Wuxi, China
2U, 12U	Cheng Shin-Maxxis	Jiangsu, China
2V, 12V	Triangle (Weihai) Huasheng Tyre Co. Ltd.	Weihai, Shandong, China
2W, 12W	Yantai Tyre Factory	Shandong, China
2X, 12X	Hankook Tire Hungary Ltd.	Dunaújváros, Hungary
2Y, 12Y	Yunnan Tire	Yunnan, China
3A, 13A	GITI Tire (Hua Lin) Co. Ltd.	Heilongjiang, China
3B, 13B	Tianjin United Tire & Rubber Intl. Co. Ltd.	Tianjin, China
3C, 13C	GTY Tire (General)	Mt. Vernon, Ill.
3D, 13D	Petroshina Joint Stock Co. Ltd.	St. Petersburg, Russia
3E, 13E	Qingdao No. 2 Rubber Factory	Qingdao, China
3F, 13F	Trelleborg Wheel Systems (Hebei Tyre Factory)	Xingtai, China
3H, 13H	Birla Tyres	Balasore, India
3J, 13J	Rhoden (M) Sdn. Bhd.	Port Klang, Malaysia
3L, 13L	Michelin Siam	Nong Khae, Thailand
3M, 13M	Bridgestone Corp.	Bloomington, Ill.
3N, 13N	Chongqing Jindun Rubber Products Co. Ltd.	Chongqing, China
3P, 13P	Hwa Fong	Samutprakarn, Thailand
3Q, 23Q	Continental	Hannover, Germany
3R, 13R	Michelin	Italiaia, Brazil

3T, 13T	PT Mega Safe Tyre Industry	Salatiga, Indonesia
3U, 13U	Specialty Tire	Unicoi, Tenn.
3V, 13V	Balkrishna Industries Ltd.	Waluj, India
3W, 13W	Shandong Qi Xia Tire Factory	Shandong, China
3X, 13X	Tianjin Tyre	Tianjin, China
3Y, 13Y	Bridgestone	Poznan, Poland
4A, 14A	Vee Rubber Co. Ltd.	Samutsakorn, Thailand
4B, 14B	Goodyear	Napanee, Ontario
4C, 14C	South Pacific	Somerton, Australia
4D, 14D	Bridgestone Corp.	Warren County, Tenn.
4E, 14E	Anhui Kaiyuan Tire	Hefei, China
4F, 14F	JK Tormel S.A. de C.V.	Tultitlan, Mexico
4G, 24G	Henan Tyre	Henan, China
4H, 14H	South China Tire & Rubber Co. Ltd.	Panyu, China
4J, 14J	Sverdlovsk Tire	Sverdlovsk, Russia
4K, 14K	Tianjin Tyre	Tianjin, China
4L, 14L	Carlstar Group	Bu Ji Town, China
4M, 14M	Michelin	Greenville, S.C.
4N, 14N	Hwa Fong Rubber Co.	(Suzhou) Co. Ltd.
4P, 14P	P.T. Suryaray RubberIndo Industries	Bogor, Indonesia
4Q, 24Q	FUNSA - Fabrica Uruguaya de Neumaticos S.A.	Montevideo, Uruguay
4R, 14R	Rumaguma A.D. (Mitás)	Belgrade, Serbia
4S, 24S	Belshina	Bobruisk, Belarus
4T, 14T	Nanjing Kumho	Nanjing, Jiangsu, China
4U, 14U	Yokohama	Clark Field, Philippines
4V, 14V	Chonche Auto Double Happiness Tyre Co. Ltd.	Taiyuan City, Shanxi, China
4W, 14W	Bridgestone India	Madhya Pradesh, India
4X, 14X	Super East Industrial Co. Ltd.	Chang-Hwa, Taiwan
4Y, 14Y	Shandong Chengshan Tire Co. Ltd.	Rong Cheng, China
5A, 15A	Vee Rubber	Bangkok, Thailand
5B, 15B	Tianjin Century Rubber Co. Ltd.	Tianjin, China
5C, 15C	Bridgestone	Billbao, Spain
5D, 15D	Bridgestone Corp.	Warren County, Tenn.
5E, 15E	Michelin	Le Puy, France
5F, 15F	JK Tormel S.A. de C.V.	Mexico City, Mexico
5G, 25G	Yokohama/Southern Rubber	Ho Chi Minh, Vietnam
5H, 15H	Dee Rubber	Samutsakorn, Thailand
5J, 15J	Shanghai Da Fu Rubber Plant	Da Fu, China
5K, 15K	P.T. Multistrada	Bekasi, Indonesia
5L, 15L	Guilin Tyre	Guilin, China
5M, 15M	Hankook	Kumsan, S. Korea
5N, 15N	Cheng Shin Rubber (Vietnam) Ind. Co. Ltd.	Dong Nai, Vietnam
5P, 15P	Balkrishna Industries Ltd.	Rajasthan, India
5Q, 25Q	Rongcheng Guotai Tyre Co. Ltd.	Rongcheng/Shandong, China
5R, 15R	Falcon Tyres Ltd.	Mysore, India
5S, 25S	Lanyu Aircraft Tire Developmen	Guilin/Guangxi, China
5T, 15T	Bridgestone Corp.	Santo Andre, Brazil
5U, 15U	Jiangsu Feichi	Jiangsu, China
5V, 15V	Michelin	Lille, France
5W, 15W	GITI Tire (Fujian) Co. Ltd.	Fujian, China
5X, 15X	Aeolus Tyre Co. Ltd.	Henan, China
5Y, 15Y	Tianjin Wanda	Tianjin, China
6A, 16A	Roadstone Tyre & Rubber Co. Ltd.	Bangkok, Thailand
6B, 16B	GTY (General)	Mt. Vernon, Ill.
6C, 16C	Bridgestone Corp.	Burgos, Spain
6D, 16D	Henan Tyre Plant	Jiazuo, China
6E, 16E	Double Happiness Tyre Ind.	

6G, 26G	Continental	TaiYuan Shen Xi, China
6H, 16H	Srichakra Tyres Ltd.	Timisoara, Romania
6I, 26I	Michelin / Taurus	Tamilnadu, India
6J, 16J	CGS / Mitas	Nyiregyhaza, Hungary
6K, 16K	Ceat Ltd.	Zlin, Czech Republic
6L, 16L	Mabor de Mocambique	Aurangabad, India
6M, 16M	Vee Tyre	Maputo, Mozambique
6N, 16N	Mewat Tire & Rubber (P) Ltd.	Samutsakorn, Thailand
6P, 16P	Pirelli, Kirov	Rajasthan, India
6Q, 26Q	Shandong Weihai Rubber Plant	Russia
6R, 16R	Qingdao Henghua Industrial Group Corp.	Weihai City/Shandong, China
6T, 16T	Bridgestone Corp.	Qingdao, Shandong, China
6U, 16U	Michelin	Sao Paulo, Brazil
6V, 16V	Hwa Fong (Ferrand, France)	Clermont-Ferrand, France
6X, 16X	Guangzhou Bolex	Jiang Su, China
6Y, 16Y	Continental Matador	Guangdong, China
7A, 17A	Kings Tire	Puchov, Slovak Republic
7B, 17B	Shandong Longyue Rubber Co. Ltd.	Bangkok, Thailand
7C, 17C	Laiwu Sunshine Tyre Co. Ltd.	Heze City, China
7D, 17D	Hangzhou Zhongce Rubber Co. Ltd.	Laiwu, Shandong, China
7E, 17E	Lima Caucho	Guangzhou Zhongce, China
7F, 17F	Cheng Shin	Lima, Peru
7G, 27G	Bridgestone Corp.	Xiamen Sez, China
7H, 17H	Shenyang Sunshine Tyre Co. Ltd.	Poznan, Poland
7I, 27I	P.T. Hung-A	Shenyang, China
7J, 17J	Northwest General Rubber	Vest Java, Indonesia
7K, 17K	Friendship Rubber	Shaanxi, China
7L, 17L	Goodyear	Selangor, Malaysia
7M, 17M	Haohau South (Guilin) Rubber Ltd.	Dalian, China
7N, 17N	Guilin, Guangxi, China	
7P, 17P	Weifang Yue-long Rubber Co. Ltd.	Guilin, China
7Q, 17Q	Michelin	Shouguang, Shandong, China
7R, 17R	Dongying Weide Tyre Co. Ltd.	Clermont-Ferrand, France
7S, 17S	Dongying, Shandong, China	
7T, 17T	P.T. Sumi Rubber (Sumitomo)	Dongying, Shandong, China
7U, 17U	Nanjing Kumho Tire Co. Ltd.	Cikampek, Indonesia
7V, 17V	Michelin Shenyang	Nanjing, Jiangsu, China
7W, 17W	Siamese Tyre	Shenyang, China
7X, 17X	Bridgestone Corp.	Minburi, Thailand
7Y, 17Y	Kenda Rubber China Co. Ltd.	Graniteville, S.C.
7Z, 27Z	Rong Cheng Rongda Rubber Co. Ltd.	Kunshan/Jiangsu, China
8A, 18A	Zapater Diaz	Buenos Aires, Argentina
8B, 18B	Bridgestone Corp.	Des Moines, Iowa
8C, 18C	Bridgestone Corp.	Bethune, France
8D, 18D	Hangzhou General Rubber Factory	Jiande, Zhejiang, China
8E, 18E	Nexen Tire Corp.	Yangsang, S. Korea
8F, 18F	Apollo Tyres	Vadodara, India
8G, 28G	Haikou Haihua Tyre Co. Ltd.	Haikou/Hainan, China
8H, 18H	Ceat Ltd.	Nasik, India
8J, 18J	Jiangsu Hanta Tire (Hankook)	Jiangsu, China
8K, 18K	Chongqing Tyre Chief Factory (GITI Tire)	Chongqing, China
8L, 18L	Deestone	Nakornpratom, Thailand
8M, 18M	Liangshan Dahua Tyre Co. Ltd.	Jining City, Shandong, China
8P, 18P	Rongcheng Fengfu Rubber Co. Ltd.	Rongsheng, Shandong, China
8R, 18R	Qingdao Doublestar Tire Industrial Co. Ltd.	Jiaonan/Qingdao/Shandong, China

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8U, 18U PirelliMilan, Italy	001 Qingdao Fleming Tyre Co. Ltd.Qingdao, China	20, 120 Maxxis International (Thailand) Co. Ltd.Tasit/Rayong, Thailand	50, 150 Shandong Shengtai Rubber Group Co. Ltd.Dongying, Shandong, China	76, 176 Double Coin Group Rugao Co. Ltd.Rugao, Jiangsu, China
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8Y, 18Y Kenda Rubber (Vietnam) Co. Ltd.Huyen Thong Nhat, Vietnam	005 Pingdu Fleming Tyre Co. Ltd.Mingcun Town/Pingdu, China	25, 125 Shandong Yong Tai Chemical Industry GroupDongying/Shandong, China	54, 154 Mitas A.S. / CGSPrague, Czech Republic	80, 180 Shangdong Wanda Boto Tyre Co. Ltd.Shandong, China
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9A, 19A Siamese Rubber Co. Ltd.Bangkok, Thailand	007 Qingdao Haorun Hand Truck Co. Ltd.Jiaonan, Qindao, China	27, 127 Kumho Tire Co. Ltd.Peongtaek, South Korea	56, 156 Qingdao Qihang Tyre Co. Ltd.Qingdao, Shandong, China	82, 182 Shandong Wanshine Tire Co. Ltd.Zibo, Shandong, China
9B, 19B Bridgestone Corp.Joliette, Quebec	008 Siamtruck Radial Co. Ltd.Paihoohang, Thailand	28, 128 Qingdao Hongguang Chemical Co. Ltd.Jiaozhou/Shandong, China	57, 157 Hwa Fong Rubber (Thailand) Public Co.Muang, Samuttrakarn, Thailand	83, 183 Shandong Hengfeng Rubber & Plastics Co. Ltd.Guangrao, China
9C, 19C BridgestoneBari, Italy	009 Tianjin Huge Dragon Tire Co. Ltd.Jinnan, China	29, 129 General Transworld Mfg. CJSEYerevan, Armenia	58, 158 Zhejiang Qingda Rubber Co. Ltd.Yongkang City, Zhejiang, China	84, 184 Shifeng Double-Star Tyre Co. Ltd.Chongqing, China
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9F, 19F J.K. IndustriesBanmore, India	02, 102 Caodian Guidestone Tyre Co. Ltd.Caodian/Shandong, China	33, 133 Sichuan Tyre & Rubber Group Co. Ltd.Jianyang City/Sichuan, China	61, 161 Eu-Retec (Pvt.) Ltd.Nagoda, Sri Lanka	87, 187 Shandong Hongsing Rubber Co. Ltd.Guangrao, China
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9K, 19K Rong Cheng Guotai Tyre Co. Ltd.Rong Cheng, China	07, 107 Rinaldi S.A.Bento Goncalves, Brazil	38, 138 Qingdao Tengjian Tyre Co. Ltd.Pingdu/Shandong, China	66, 166 Xingyua Tire Group Co. Ltd.Dongying, Shandong, China	92, 192 Tengzhou Broncho Tyre Co. Ltd.Tengzhou, Shandong, China
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9M, 19M Alexandria Tire Co. (Pirelli)Alexandria, Egypt	09, 109 P.T. Elangperdana Tyre IndustryBogor, Indonesia	40, 140 Superking Mfr. (Tyre) Pvt. Ltd.Ghaziabad, India	68, 168 Gumonde Industrial Corp.Jyi Jyi Town, Taiwan	94, 194 Qingdao Longhai Tire Manufacturing Co. Ltd.Qingdao, China
9N, 19N Balkrishna Industries Ltd.Alwar, Raja, India	10, 110 Nankang Rubber Industrial Co. Ltd.Jiangsu, China	41, 141 Metro TyresLudhiana, India	69, 169 Qingdao Xiyangmen Double Camel Tire Co. Ltd.Qingdao, Shandong, China	95, 195 Jiangsu General Science Technology Co. Ltd.Wuxi, China
9P, 19P Qingdao Taifa Group CP Ltd.Jionan, China	11, 111 Shandong Hawk International Rubber Industry Co. Ltd.Laizhou, Shandong, China	42, 142 Xuzhou Handband Tire Co. Ltd.Xuzhou, Jiangsu, China	70, 170 Shandong Sattai Rubber Co. Ltd.Dongying, Shandong, China	96, 196 Bridgestone Firestone do Brasil Industria e Com.Camacari, Brazil
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9X, 19X Bridgestone Corp.Graniteville, S.C.				
9Y, 19Y Lanxi Fuchuen Rubber Co. Ltd.Lanxi/Zhejiang, China				

Top Selling Cars/Light Trucks 2015

Passenger Cars	Units	% change
Toyota Camry	429,355	0.2%
Toyota Corolla/Matrix	363,332	7.0%
Honda Accord	355,557	-8.4%
Honda Civic	335,384	2.9%
Nissan Altima	333,398	-0.7%
Ford Fusion	300,170	-2.2%
Hyundai Elantra	241,706	8.9%
Chevrolet Cruze	226,602	-17.0%
Hyundai Sonata	213,303	-1.7%
Ford Focus	202,478	-7.8%

Minivans	Units	% change
Toyota Sienna	137,497	10.4%
Honda Odyssey	127,736	4.1%
Dodge Journey	105,400	12.6%
Dodge Grand Caravan	97,141	-27.6%
Kia Sedona	36,755	191.2%

SUVs/CUVs	Units	% change
Honda CR-V	345,647	3.2%
Toyota RAV4	315,412	17.8%
Ford Escape	306,492	0.1%
Nissan Rogue	287,190	44.2%
Chevrolet Equinox	277,589	14.6%
Ford Explorer	249,251	18.6%
Jeep Cherokee	220,260	23.4%
Jeep Wrangler	202,702	15.6%
Jeep Grand Cherokee	195,598	6.4%
Subaru Forester	175,192	9.5%

Light Trucks	Units	% change
Ford F series	780,354	3.5%
Chevrolet Silverado	600,544	13.4%
Ram	451,116	2.6%
GMC Sierra	244,139	15.2%
Toyota Tacoma	179,562	15.8%
Toyota Tundra	118,880	0.3%
Chevrolet Colorado	84,430	955.0%
Nissan Frontier	62,817	-15.5%
GMC Canyon	30,077	879.7%
Nissan Armada	12,737	1.1%

Cargo/Delivery Van	Units	% change
Ford Transit	117,577	475.0%
Chevrolet Express	63,382	-20.1%
Ford Transit Connect	52,221	20.9%
Ford E-Series	50,541	-43.1%
Mercedes Sprinter	29,889	16.1%
Ram ProMaster	28,345	57.1%
GMC Savana	21,992	-17.5%
Nissan NV200	17,317	29.4%
Nissan NV	16,958	13.9%
Ram ProMaster City	11,124	N.M.

Top Nameplates 2015 (PC/LT/SUV)

	Units	% change
Ford	2,501,855	5.3%
Chevrolet	2,125,347	4.5%
Toyota	2,098,545	4.7%
Honda	1,409,386	2.6%
Nissan	1,351,420	6.4%
Jeep	865,028	24.9%
Hyundai	761,710	5.0%
Kia	625,818	7.9%
Subaru	582,675	13.4%
Dodge	517,153	-9.9%
Others	4,631,722	2.1%
TOTAL U.S.	17,470,659	5.7%

Sales by country of origin

	Units	% change
U.S./Canada/Mexico	13,881,058	5.3%
Japan	1,764,032	6.0%
Europe	1,160,190	8.6%
South Korea	639,124	9.1%
Others	26,255	9.8%
Imports	3,589,601	7.4%

Source: Automotive News

U.S. high-performance tire trends

	2015	2014	2013	2012	2011	2010	2009	2008	2007
Original Equipment (millions of units)									
H-rated	15.7	14.6	12.7	10.6	7.9	5.9	3.7	5.2	5.4
V-rated	6.6	7.0	7.0	5.9	4.4	4.5	3.7	5.5	5.8
Z-rated¹	<u>2.7</u>	<u>2.4</u>	<u>1.8</u>	<u>1.0</u>	<u>0.8</u>	<u>0.9</u>	<u>0.6</u>	<u>1.4</u>	<u>1.4</u>
Performance subtotal	25.0	24.0	21.5	17.5	13.1	11.3	8.0	12.1	12.6
% of OE shipments	50.3%	50.2%	45.0%	43.7%	37.5%	34.1%	32.5%	32.2%	27.2%
Replacement (millions of units)									
H-rated	40.8	37.3	33.8	31.6	30.0	30.5	28.3	29.7	31.6
V-rated	21.4	18.9	16.3	14.7	14.4	13.1	11.4	10.7	10.2
Z-rated¹	<u>16.5</u>	<u>15.2</u>	<u>13.5</u>	<u>12.9</u>	<u>12.7</u>	<u>12.1</u>	<u>10.6</u>	<u>10.4</u>	<u>10.6</u>
Performance subtotal	78.7	71.4	63.6	59.2	57.1	55.7	50.3	50.8	52.4
% of replacement shipments	38.2%	34.6%	31.9%	30.4%	29.3%	27.6%	26.5%	26.2%	25.7%
Import share (millions of units)									
Imports (17" & higher)	35.4	28.8	24.1	21.3	19.2	17.0	13.2	14.6	13.6
% of performance sector	45.0%	40.3%	37.9%	35.9%	33.3%	30.5%	26.2%	28.7%	27.8%
Non-captive imports¹	17.5	13.5	10.5	8.7	7.1	6.0	5.3	4.9	4.4
% of performance sector	22.2%	18.9%	16.5%	14.7%	12.4%	10.9%	10.5%	9.6%	8.4%

Sources: Rubber Manufacturers Association; Department of Commerce; Tire Business research

1 = Comprises W-, Y- and Z-rated tires

2 = Imports from countries where local manufacturers don't have North American capacity; primarily China, South Korea, Taiwan, India, etc.

Scrapage rates

(Percent of vehicles scrapped)

Year	Cars	Lt. trucks
2015	5.2%	3.6%
2014	5.4%	4.0%
2013	6.7%	4.8%
2012	6.5%	4.4%
2011	5.4%	3.8%
2010	5.9%	4.5%
2009	6.1%	4.2%
2008	6.5%	4.3%

Source: IHS Automotive Inc.

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2015 TIRE IMPORTS

Agricultural / Implement Tires

Country	2015 (units)	2014 (units)	% change	Avg. \$ Value
China	1,007,353	855,221	17.8%	\$38.83
India	645,559	676,895	-4.6%	\$147.49
Thailand	236,013	239,387	-1.4%	\$50.95
Mexico	75,027	76,606	-2.1%	\$58.92
France	34,799	58,417	-43.1%	\$904.97
Costa Rica	31,404	30,719	2.2%	\$121.43
Israel	31,262	24,973	25.2%	\$1,071.91
Spain	24,728	29,599	-16.6%	\$1,651.86
Taiwan	24,218	11,821	104.9%	\$33.32
Poland	21,743	25,705	-15.6%	\$517.07
Others	57,367	77,124	-25.6%	
TOTAL:	2,189,473	2,106,467	3.9%	\$132.03

Construction / Industrial Tires

Country	2015 (units)	2014 (units)	% change	Avg. \$ Value
China	1,137,736	1,359,054	-16.3%	\$87.23
Sri Lanka	473,327	515,415	-8.2%	\$139.06
India	371,203	293,362	26.5%	\$152.68
Thailand	163,120	166,695	-2.2%	\$142.77
Taiwan	106,907	185,703	-42.4%	\$89.51
Japan	102,160	86,101	18.6%	\$2,339.74
Vietnam	63,193	23,707	166.7%	\$159.45
Canada	44,814	43,590	2.8%	\$1,073.07
Spain	33,024	47,294	-30.2%	\$1,158.67
Czech Republic	29,479	23,401	26.1%	\$210.60
Others	94,985	102,894	-7.8%	
TOTAL:	2,619,948	2,847,216	-8.0%	\$254.94

Source: U.S. Department of Commerce

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Automotive aftermarket employment trends

(Thousands of jobs)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Compounded Annual Growth Rate 2005/2014
Automobile dealers											
Total employees	1,261.4	1,246.7	1,242.2	1,176.7	1,018.2	1,011.5	1,056.9	1,095.5	1,138.5	1,184.9	-0.7%
Average hourly wage (non-supervisory)	\$17.85	\$17.93	\$17.61	\$17.13	\$17.67	\$18.22	\$18.61	\$19.10	\$19.86	\$20.30	1.4%
Motor vehicles/parts wholesalers											
Total employees	344.2	348.3	349.6	338.1	314.5	309.0	313.0	319.9	324.8	331.4	-0.4%
Average hourly wage (non-supervisory)	\$16.18	\$16.58	\$16.52	\$16.32	\$16.99	\$17.61	\$17.96	\$17.95	\$19.09	\$20.28	2.5%
Tire dealers											
Total employees	162.1	166.2	167.8	166.9	163.1	165.9	170.6	174.5	176.9	178.6	1.1%
Average hourly wage (non-supervisory)	\$13.57	\$14.01	\$14.38	\$14.51	\$14.80	\$15.48	\$15.90	\$15.54	\$15.44	\$15.34	1.4%
Automotive repair/maintenance											
Total employees	886.1	886.7	884.6	856.3	805.8	801.1	819.6	832.1	847.5	868.5	-0.2%
Average hourly wage (non-supervisory)	\$14.11	\$14.31	\$14.71	\$15.23	\$15.27	\$15.55	\$16.03	\$16.00	\$16.18	\$16.95	2.1%

Note: Historical data have been revised Source: U.S. Bureau of Labor Statistics

Growth rate of U.S. motor vehicle aftermarket auto care industry

(Percent change from previous year)

Year	% change	Year	% change
2018*	3.2	2008.	0.3
2017*	3.0	2007 (Census)	2.7
2016*	4.4	2006.	3.9
2015*	3.9	2005.	3.1
2014*	3.5	2004.	2.7
2013 [#]	3.1	2003.	2.1
2012.	3.5	2002 (Census)	5.5
2011.	4.7	2001.	3.9
2010.	3.7	2000.	5.5
2009.	-1.4		

Source: Auto Care Association 2015 Fact Book; Automotive Aftermarket Suppliers Association

Technicians' wages

(Dollars per hour)

Year	Rate
2014	\$17.82
2013	\$16.13
2012	\$16.27
2011	\$16.16
2010	\$16.13
2009	\$15.99
2008	\$15.70
2007	\$15.37
2006	\$14.70
2005	\$14.09
2004	\$13.68
2003	\$13.51
2002	\$13.31
2001	\$12.94

Source: U.S. Bureau of Labor Statistics

Auto care services sales to end users by distribution channel

(Millions of consumer dollars)

Outlet	2015 [#]	2014 [#]	2013 [#]	% change 2014/2015
New car dealers	68,632	66,106	63,807	3.8
General repair shops	39,585	38,179	37,038	3.7
Tire dealers	17,957	17,242	16,654	4.1
Warehouse clubs, superstores	12,414	11,796	11,214	5.2
Oil change/lube shops	5,927	5,693	5,458	4.1
Auto parts/accessories ¹	28,245	27,183	26,271	3.9
Other auto mech./electrical	2,629	2,570	2,513	2.3
All other auto repair	1,400	1,349	1,307	3.8
Auto exhaust	1,776	1,712	1,650	3.7
Auto transmission repair	3,497	3,379	3,263	3.5
Wholesalers	2,368	2,306	2,254	2.7

[#] Estimate ² Auto parts and accessories store sales include only those sales to general public
Source: Auto Care Association/Automotive Aftermarket Suppliers Association Channel Forecast model

Top five issues facing automotive aftermarket

Key issue	Ranking on 1-5 scale ¹ by year			
	2014	2013	2012	2011
Average age of vehicles	4.06	4.03	3.99	3.90
Longer lasting vehicles extending repair window	3.90	3.97	3.81	3.72
General health of the economy	3.89	3.91	3.84	3.72
Increasing vehicle complexity/better tech expertise	3.79	3.75	3.65	3.65
Telematics that could exclude small repair shops	3.70	3.56	3.26	3.41

Other key issues impacting aftermarket

- Consumers opting to maintain their vehicles vs. buying new vehicle
- Unemployment and household budgets
- Changing volume of new vehicle sales
- Aging baby boomers' preference for professional technician's expertise
- Consumer debt
- Telematics that currently connect vehicles to primary, new car dealers
- Changes in do-it-for-me service events
- Increased efficiency and productivity of service bays
- Telematics that level the playing field by connecting vehicles to repair shops
- Fewer new light truck sales
- Decrease in the number of new car dealers
- Consumers seeking alternative forms of transportation
- Virtual office/telecommuting

Source: Auto Care Association's "Key Issues Impact Survey"

¹ Members are asked to rate key issues on a scale from one to five, with one having the least impact and five having the greatest impact on their businesses. During the past four years, market intelligence has gathered feedback from these quarterly surveys, annualized the results and summarized their findings.

To purchase Market Data Book information, visit the Data Store at www.tirebusiness.com

General repair shop sales

(in billions of dollars)

Year	Total sales	No. outlets	Avg. sales per outlet (thousands)	Yr./Yr. change
2014	\$38,179	79,317	\$481,347	1.8%
2013	\$37,038	78,354	\$472,701	1.7%
2012	\$36,040	77,561	\$464,667	1.9%
2011	\$35,006	76,731	\$456,217	3.4%
2010	\$33,567	76,108	\$441,044	4.0%
2009	\$32,064	75,637	\$423,920	1.8%

Source: Auto Care Association

2014 automotive aftermarket sales*

Sales channel	Percent change
New car dealer	3.5%
Auto parts stores	3.6%
General auto repair	3.1%
Total industry	3.5%

* Three sales channels shown comprise more than 50% of total aftermarket sales

Source: IHS Inc./Auto Care Association Fact Book

Global Tire Company Rankings

Based on 2014 sales. Includes subsidiaries.

(Figures in millions of dollars, translated at average annual currency exchange rates)

2015 Rank	2014 Rank	Company/Headquarters	2014		2015 Rank	2014 Rank	Company/Headquarters	2014		
			Tire sales	% of total corp. sales				Tire sales	% of total corp. sales	
1	1	Bridgestone Corp. ^{#1} Tokyo, Japan	*26,045.0	*75.0%	39	42	Balkrishna Industries Ltd. [*] Maharashtra, India	619.1	100.0%	
2	2	Group Michelin [#] Clermont-Ferrand, France	*24,668.5	*95.0%	40	32	Nizhnekamskshina ¹² Nizhnekamsk, Russia	588.5	100.0%	
3	3	Goodyear Tire & Rubber Co. ^{#2} Akron, Ohio	*16,355.0	90.0%	41	44	Alliance Tire Group Mumbai, India	580.0	100.0%	
4	4	Continental A.G. [#] Hanover, Germany	*11,875.0	*26.0%	42	48	Mitas A.S. / CGS Prague, Czech Republic	544.8	67.2%	
5	5	Pirelli & C. S.p.A. ^{#3} Milan, Italy	7,992.2	100.0%	43	N.R.	Weifang Yuelong Rubber Group Qingdao, China	527.9	100.0%	
6	6	Sumitomo Rubber Industries Ltd. ^{#2,4} Kobe, Japan	6,917.7	87.3%	44	46	Shanxi Suanxi Tyre Co. Ltd. ¹³ Qingxi, Shanxi, China	525.6	100.0%	
7	7	Hankook Tire Co. Ltd. Seoul, South Korea	*6,200.6	*97.5%	45	49	Nankang Rubber Tire Corp. Ltd. Taipei, Taiwan	*525.0	100.0%	
8	8	Yokohama Rubber Co. Ltd. ⁵ Tokyo, Japan	4,703.2	79.6%	46	47	Birla Tyres Ltd. Orissa, India	506.5	100.0%	
9	9	Maxxis International/Cheng Shin Rubber Yuanlin, Taiwan	4,441.3	100.0%	[	47	55	Carlstar Group L.L.C. ¹⁶ Jackson, Tennessee	*500.0	*50.0%
10	10	Zhongce Rubber Group Co. Ltd. Hangzhou, China	4,118.5	96.5%		47	N.R.	Camso Ltd. ¹⁴ Magog, Quebec	*500.0	100.0%
11	11	Giti Tire Pte. Ltd. ⁶ Singapore	3,474.0	100.0%	49	45	South China Tire & Rubber Co. Ltd. Guangzhou City, China	497.9	100.0%	
12	12	Cooper Tire & Rubber Co. Findlay, Ohio	3,424.8	100.0%	50	50	Trelleborg Wheel Systems S.p.A. Tivoli, Italy	*486.0	*14.8%	
13	13	Kumho Tire Co. Inc. ⁵ Seoul, South Korea	3,239.9	*99.0%	51	N.R.	Shandong Zhongyi Rubber Co. Ltd. Dawang / Shandong, China	468.2	100.0%	
14	14	Toyo Tire & Rubber Co. Ltd. Osaka, Japan	2,959.3	79.3%	52	41	O.J.S.C. Cordiant ¹⁵ Moscow, Russia	462.1	100.0%	
15	15	Triangle Group Co. Ltd. Shandong, China	2,869.7	100.0%	53	54	Sichuan Haida Tyre Group Co. Ltd. Haida, Sichuan, China	414.5	100.0%	
16	16	MRF Ltd. [*] Chennai, India	2,325.8	98.7%	54	51	Shandong Sangong Tyre Co. Ltd. Zucheng City, China	413.8	100.0%	
17	17	Apollo Tyres Ltd. ^{*7} Kerala, India	2,084.5	100.0%	55	56	Petlas Tyre Industry & Trade Co. Ankara, Turkey	360.4	100.0%	
18	22	Nexen Tire Corp. ⁸ Seoul, South Korea	1,862.3	92.6%	56	57	TVS Srichakra Ltd. [*] Chennai, India	356.4	100.0%	
19	19	Nokian Tyres P.L.C. ^{#1} Nokia, Finland	1,752.7	95.0%	57	59	Barez Tire Group Tehran, Iran	354.1	98.2%	
20	18	Shandong Linglong Rubber Co. Ltd. Shandong, China	1,672.8	100.0%	58	52	FATE S.A.I.C.I. San Fernando, Argentina	326.8	97.4%	
21	23	Shandong Hengfeng Tyre Co. Ltd. Guangrao County, China	1,623.0	100.0%	59	61	Qingdao Sentury Tire Co. Ltd. (Sentaída Group) Jimo, China	314.3	100.0%	
22	20t	Double Coin Holdings Ltd. ⁹ Shanghai, China	*1,530.0	100.0%	60	60	Chaoyang Long March Tyre Co. Ltd. Liaoning, China	301.0	100.0%	
23	20t	Titan International Inc. Quincy, Illinois	*1,515.0	*80.0%	61	53	Xuzhou Xugong Tyre Co. Ltd. Xuzhou, Jiangsu, China	299.9	100.0%	
24	27	Sailun Jinyu Tyre Co. Ltd. ¹⁰ Dongying City, China	1,454.2	100.0%	62	58	P.T. Multistrada Arah Sarana TBK Cikarang, Indonesia	284.3	100.0%	
25	24	Xingyuan Tyre Co. Ltd. Dongying City, China	1,408.0	100.0%	63	66	Shandong Bayi Tyre Manufacture Co. Ltd. Zhouzhuang, China	261.1	100.0%	
26	26	Aeolus Tyre Co. Ltd. Jiaozuo, China	1,334.3	100.0%	64	62	Federal Corp. Tao Yuan, Taiwan	239.9	100.0%	
27	25	JK Tyre & Industries Ltd. [*] New Delhi, India	1,320.1	100.0%	65	63	Hwa Fong Rubber Ind. Co. Ltd. Taipei, Taiwan	219.1	100.0%	
28	28	Kenda Rubber Industrial Co. Ltd. Yuanlin, Taiwan	1,168.1	100.0%	66	65	Shandong Taishan Tyre Co. Ltd. Faicheng, China	218.9	100.0%	
29	29	Shandong Shengtai Tyre Co. Ltd. Guangrao County, China	972.7	100.0%	67	69	Specialty Tires of America Inc. Indiana, Pennsylvania	*155.0	100.0%	
30	33	Ceat Ltd. [*] Mumbai, India	953.9	100.0%	68	68	Casumina (Southern Rubber Industry Co.) Ho Chi Minh City, Vietnam	148.9	99.7%	
31	30	Guizhou Tyre Co. Ltd. Guizhou, China	886.9	100.0%	69	N.R.	Altai Tyre Kombinat Barnaul, Russia	*142.0	100.0%	
32	N.R.	Prinx Chengshan (Shandong) Tire Co. ¹¹ Shandong, China	844.9	100.0%	[	70	71	Metro Tyres Ltd. Ludhiana, India	*140.0	100.0%
33	37	Qingdao Doublestar Industrial Co. Ltd. Qingdao, China	828.1	100.0%		70	70	Falcon Tyres Ltd. ^{*17} Mysore, India	*140.0	100.0%
34	36	JSC Belshina Belarus Tyre Works Bobruisk, Belarus	*800.0	100.0%	72	67	Beijing Shouchuang Tire Co. Ltd. Beijing, China	123.0	100.0%	
35	39	BRISA/Bridgestone-Sabanci Tire Mfg. ¹ Izmit, Turkey	739.5	100.0%	73	74	Haoyou Tire Co. Ltd. Henan, China	119.2	100.0%	
36	38	Jiangshu Tongyong Tire Ltd. Wuxi, China	710.1	100.0%	74	72	Vee Rubber Corp. Ltd. Bangkok, Thailand	109.7	74.7%	
37	43	Shandong Hengyu Tire Co. Ltd. Dongying City, China	639.3	100.0%	75	N.R.	Qingdao Yellow Sea Rubber Co. Ltd. Qingdao, China	100.9	100.0%	
38	40	Shandong Wanda Tyre Co. Ltd. Dongying City, China	628.8	100.0%			Subtotal (rounded)	*171,900.0		
							Others ¹⁸	*8,000.0		
							TOTAL	*179,900.0		

Footnotes: # = non-tire revenue from company-owned retail operations excluded ^ = fiscal year ends other than Dec. 31
N.A. = not available; N.M. = not meaningful
1 Bridgestone owns 16% of Nokian Tyres P.L.C. (No. 19 on this year's Top 75) and 44% of BRISA Bridgestone (No. 35).
2 Goodyear and Sumitomo Rubber dissolved their 16-year-old global alliance in the 4th quarter, with Goodyear retaining Dunlop-brand rights in North America and Europe and Sumitomo taking over 1 factory in the U.S.
3 Pirelli acquired late 2015 by China National Chemical Co.; commercial tire activities to be spun off into venture with ChemChina's National Tire & Rubber Co. unit.
4 Sumitomo acquired Dunlop-related assets in Africa, including Ladysmith, South Africa, plant, from Apollo Tyres (No. 17 on this year's Top 75) in late 2013; \$180M sales.
5 Yokohama and Kumho (No. 11) are participating in a joint R&D agreement.
6 Giti's 2014 and 2013 sales include revenue (\$1B+) of P.T. Gajah Tunggal of Indonesia, in which Giti owns 49.7% stake; Michelin also owns a 10% share of Gajah Tunggal.
7 Apollo sold Dunlop-related assets in Africa, including Ladysmith, South Africa, plant, to Sumitomo Rubber (\$180M sales) in late 2013.

8 Nexen's sales include industrial tire and tube revenue from Nexen Corp.
9 2014 sales include revenue (approx. \$240M) from Xinjiang Kunlun Tire Co. Ltd., which Double Coin acquired in 2014.
10 Sailun Jinyu is the merged activities of Sailun Co. Ltd. and Shandong Jinyu Industrial Co. Ltd.
11 Previously Cooper Tire Shandong (Chengshan) Co. Ltd.; renamed after Chengshan Group bought out Cooper Tire's 65% share in Dec. 2014.
12 Pirelli, through a joint venture with Russian Technologies, owns an option to buy into or merge with Nizhnekamskshina.
13 Formerly known as Double Happiness Tyre Co. Ltd.
14 Previously known as Camoplast Solideal Group; previously ranked as Solideal and/or Loadstar of Sri Lanka.
15 Formerly Sibur-Russian Tyres; Sibur sold its JSC Voltair Prom unit to Titan International; 3rd quarter 2013.
16 Formerly the tire, wheel and conveyor belting business unit of CTP Transportation Products, and prior to 2013, Carlisle Cos. Inc.
17 Part of India's Ruia Group, which also comprises Dunlop India Ltd. and Monotana Tyres of India.
18 Others' represents as many as 100 other companies. The next largest are: General Tyre & Rubber Co. of Pakistan Ltd., Pakistan; Magna Tyres Group, Netherlands; Tianjin United Tire & Rubber Co., China; Govind Rubber Ltd., India; Raison (India) Ltd., India; Inoue Rubber Thailand Co. Ltd., Thailand; Guangzhou Pearl River Rubber Tyre Ltd., China; Tolins Tyres Ltd., India; Raisons India

N. America's Largest Commercial Dealerships

The largest independents in the U.S. and Canada, based on 2014 sales

Rank 2015	Company/headquarters	Commercial Sales (\$ millions)	Company owned outlets	Commercial employees: service/sales	Service Trucks
1	Southern Tire Mart L.L.C. <i>Columbia, Miss.</i>	800.0	68	N.A.	768
2	Kal Tire <i>Vernon, British Columbia</i>	488.8†	129†	N.A.	1,000+
3	Fountain Tire Ltd.¹ <i>Edmonton, Alberta</i>	481.0†	116†	513 / 256	191
4	Best One Tire & Service L.L.C.² <i>Indianapolis</i>	380.0	121	N.A.	N.A.
5	Pomp's Tire Service Inc. <i>Green Bay, Wis.</i>	*350.0	78†	N.A.	300+
6	Les Schwab Tire Centers³ <i>Bend, Ore.</i>	349.7	453†	N.A.	N.A.
7	Snider Fleet Solutions <i>Greensboro, N.C.</i>	*280.0	45	N.A.	220
8	McCarthy Tire Service Co. Inc.⁴ <i>Wilkes-Barre, Pa.</i>	250.0	44†	N.A.	200
9	Service Tire Truck Center Inc.⁵ <i>Bethlehem, Pa.</i>	*230.0	43†	310 / 65	200
10	Tredroc Tire Services⁶ <i>Antioch, Ill.</i>	*200.0	18	350 / 51	200
11	Purcell Tire & Rubber Co. <i>Potosi, Mo.</i>	192.0	37†	N.A.	N.A.
12	Bauer Built Inc. <i>Durand, Wis.</i>	185.0	30†	152 / 108	82
13	Boulevard Tire Center <i>Deland, Fla.</i>	149.0	21†	280 / 33	148
14	Parkhouse Tire Inc. <i>Bell Gardens, Calif.</i>	140.0	12	<--350-->	130
15	Cross-Midwest Tire Co. <i>Kansas City, Kan.</i>	*135.0	14	N.A.	N.A.
16	Raben Tire Co. Inc. <i>Evansville, Ind.</i>	106.0	20†	100 / 40	94
17	Redburn Tire Co. <i>Phoenix</i>	*101.0	12	120 / 38	130
18	Ziegler Tire & Supply Co. <i>Massillon, Ohio</i>	94.5	18†	85 / 40	90
19	Belle Tire Distributors Inc. <i>Allen Park, Mich.</i>	*92.5	13†	300 / 20	95
20	Bob Sumerel Tire Co. <i>Erlanger, Ky.</i>	90.0	16†	70 / 90	70
21	Dillon Tire Inc. / Cross Dillon Tire <i>Lincoln, Neb.</i>	*81.0	6	N.A.	N.A.
22	Jack's Tire & Oil Inc. <i>Logan, Utah</i>	72.2	10†	103 / 28	55
23	Sullivan Tire Co. Inc. <i>Norwell, Mass.</i>	71.5	15†	87 / 17	74
24	Atlanta Commercial Tire <i>Forest Park, Ga.</i>	68.9	12†	70 / 40	45
25	Eastern Iowa Tire Inc. <i>Davenport, Iowa</i>	63.0	15	47 / 32	47
26	Commercial Tire Inc. <i>Meridian, Idaho</i>	*61.5	34†	<--70-->	128
27	McGriff Tire Co. / McGriff Treading Co. Inc. <i>Cullman, Ala.</i>	*61.0	12†	N.A.	N.A.
28	Pete's Tire Barns Inc. <i>Orange, Mass.</i>	*60.0	19†	N.A.	120
28	Royal Tire Inc. <i>St. Cloud, Minn.</i>	60.0	16	65 / 50	80
28	Valley Tire Co. Inc. <i>Charleroi, Pa.</i>	60.0	21†	50 / 25	75
31	Good Tire Service Inc. <i>Kittanning, Pa.</i>	*55.0	6†	<--140-->	30
32	Custom Bandag Inc. <i>Linden, N.J.</i>	*51.0	15†	231 / 14	100
33	Allied Oil & Tire Co. <i>Omaha, Neb.</i>	50.4	8†	260 / 30	34
34	Rice Tire Co. <i>Frederick, Md.</i>	48.4	10†	110 / 30	37
35	Strouhal Tire Inc. <i>Hungerford, Texas</i>	*46.0	9	<--220-->	150

* = estimated; N.A. = not available; † = includes combination retail/commercial outlets
‡ = converted from Canadian \$ at 1.03 per U.S. \$

1 — Minority owned by Goodyear Canada; 54 Fountain stores are corporate partnerships, 12 are associate dealers; 2 — d.b.a.— Best One Tire & Service; includes sales of S&S Tire, Southern Indiana Tire, Tommy House Tire, Huber Tire, Zurcher Tire, Southern Illinois Tire, etc.; acquired 4 Terry's Tire Town commercial locations/1 retread plant in mid-2014 from American Tire Distributors Holdings Inc.; 3 — Also has 86 "member dealers"; 4 — Acquired Terry Haggerty Tire Tire, Albany, N.Y. (1 location/retread plant), in Q2 2014; 5 — Also operates through seven associate dealers in New Hampshire, New York and Vermont; 6 — Store locations include 7 outlets operating under a Tredroc/Belle Tire joint venture in western Michigan.

Top Franchise/Marketing Groups

As of July 2015

Program/Administrator	No. of outlets	Type of program
ATD ServiceBay American Tire Distributors	14,000+	Marketing group www.atd-us.com
Alliance Michelin North America Inc.	10,000+	Partnership www.michelinman.com
Century/Medallion Cooper Tire & Rubber Co.	5,000+	Affiliate www.coopermedallion.com
G3Xpress Goodyear	4,691	Affiliate www.goodyeartires.com
Next Level Nexen Tire America Corp.	3,200	Associate www.nexennextlevel.com
Premium Fuel Kumho Tire U.S.A. Inc.	2,900+	Associate www.kumhousa.com
Treadmaxx Kauffman Tire Inc.	2,900+	Affiliate www.treadmaxx.com
Bridgestone Affiliated Retailer Bridgestone Americas	2,700+	Affiliate www.affiliateddealer.com
Gold Dealer Continental Tire	2,500+ ¹	Affiliate www.continentaltire.com
Tire & Service Network Goodyear	2,355+	Marketing group www.goodyear.com/services
Advantage Yokohama Tire Corp.	2,300+	Affiliate www.yokohamatire.com
TAG Tire Alliance Groupe	2,100+	Affiliate www.tirealliance.com
One Associate Dealer Hankook Tire America	2,000+	Associate www.hankooktire.com
Fanatic Falken Tire Corp.	1,900+	Associate www.falkentire.com
FasTrack Pirelli Tire N.A. Inc.	1,900+	Associate www.pirelli.com
Driven Toyo Tire USA Corp.	1,000+	Associate www.toyoDriven.com
T3 Marketing Program TCI (Michelin)	1,000+	Affiliate www.t3tires.com
Point S ² Northwest Tire Factory/ Pneu Unimax	800+	Cooperative www.points-development.com
Mr. Tire/Big 3 Tire K&M Tire Inc.	691	Associate www.mr-tire.com
Tire Pros American Tire Distributors	651	Franchise www.tirepros.com
Tire One/Tread Pros/ DealerForce ³ U.S. AutoForce	575	Affiliate www.tireone.com
ITDG Indep. Tire Dealers Group	567	Buying group www.independent-tire.net
MTMA Mickey Thompson Performance Tires and Wheels	550+	Associate www.mickeythompsons tires.com
Big O Tires L.L.C. TBC Corp.	389+	Franchise www.bigotires.com
OK Tire/OK Pneu OK Tire Stores Inc.	272	Franchise www.oktire.com
Tirecraft/Signature Tirecraft Canada Inc.	270	Affiliate www.tirecraft.com
Kal Tire Kal Tire	252 ¹	Affiliate www.kaltire.com
Xpress Tire & Auto Conrad's Tire Express	183	Affiliate www.xpresstire.com
TireStarz (Canada) Bridgestone Americas	180	Affiliate www.tirestarz.com
Tire Solutions Tire Solutions Inc.	175	Associate www.mytire solutions.com
Fountain Tire Fountain Tire Ltd.	160	Partnership www.fountaintire.com
ITD/Independent Tire Dealers Community Wholesale Tire	145	Affiliate www.itdroll.com
B1 Advantage Zurcher Group	139	Associate www.bestonetire.com
Integra Tire National Tire Distributors ⁴	87	Affiliate www.integratire.com
RNR Tire Express & Custom Wheels SPF Management Inc.	74	Franchise www.rnrfranchise.com

1 Store count includes company stores.

2. Tire Factory and Pneu Unimax Ltee partnered with internationally active Point S Development to launch the Point S program in the U.S. and Canada, respectively.

3. Tire's Warehouse Inc. of Corma, Calif., also offers the Tire One program in its distribution area under license from U.S. AutoForce.

4. American Tire Distributors Inc. subsidiary.

Source: Tire Business survey data

Top Dealerships

(Store totals as of August 2015)

Ranked by company-owned outlets

Ranked by total retail outlets

Rank	Company	Outlets	Change vs. '14	Rank	Company	Outlets
1	Discount Tire / America's Tire ¹	906	13	1	TBC Corp.	2,610
2	TBC Corp. / Tire Kingdom ²	779	-32		<i>Midas International*</i>	1,265
3	Monro Muffler Brake Inc. ³	521	52		<i>Speedee*</i>	164
4	Les Schwab Tire Centers ⁴	394	10		<i>TBC Retail²</i>	779
5	Mavis Discount Tire ⁵	324	169		<i>Big O Tires*</i>	402
6	Pep Boys / Service & Tires ⁶	234	4	2	Monro Muffler Brake Inc.	1,176
7	Best-One Tire & Service / Zurcher Group ⁷	202	40		<i>Monro Muffler³¹</i>	1,030
					<i>Car-X Tire & Auto*</i>	146
7	Kal Tire	202	-17	3	Discount Tire / America's Tire	906
9	Fountain Tire ⁸	158	0	4	Pep Boys / Service & Tires ³²	801
10	Rent-A-Wheel / Rent-A-Tire ⁹	121	6	5	Les Schwab Tire Centers	457
11	Express Oil Change / Tire Engineers ¹⁰	103	1	6	Mavis Discount Tire	324
				7	OK Tire Stores Inc.	291
12	Tire Discounters Inc.	100	10	8	Tirecraft Group	279
13	Belle Tire Distributors	91	2	9	Kal Tire	252
14	Town Fair Tire Centers	87	0	10	Express Oil Change / Tire Engineers ¹⁰	203
15	A.T.V. Inc. ¹¹	81	12			
16	Tirecraft Group ¹²	80	0	11	Best-One Tire & Service ⁷	202
17	Sullivan Tire Co.	65	-1	12	Fountain Tire	160
18	Dunlap & Kyle ¹³	58	1	13	Rent-A-Wheel / Rent-A-Tire	125
18	Plaza Tire Service	58	1	14	Tire Discounters	100
20	Kauffman Tire Inc.	57	4	15	Belle Tire Distributors	92
20	Peerless Tire Co.	57	0	16	Town Fair Tire Centers	87
22	V.I.P. Parts, Tire & Service	56	0	16	Integra Tire & Auto Centres Ltd.	87
23	Leeds West Group ¹⁴	52	2			
24	Purcell Tire & Rubber Co.	46	2	18	ATV / American Tire Depot	81.
25	Nebraskaland / Kansasland Tire	41	1	19	RNR Custom Wheels & Tires	74
25	Pomp's Tire Service	41	0	20	Active Tire & Auto Centre	73
27	Certified Tire & Auto Centers	40	-1	21	Sullivan Tire	65
27	Dobbs Tire & Auto	40	0	22	Dunlap & Kyle	58
29	Black's Tire & Auto Service	39	4	22	Plaza Tire Service	58
30	Tire Guys ¹⁵	37	0	24	Kauffman Tire	57
31	Auto Systems Experts Inc.	36	0	24	Peerless Tire	57
32	Conrad's Total Car Car & Tire Centers	35	0	26	V.I.P. Parts, Tires	56
				27	Pneus Belisle Inc. ³³	49
32	Jack Williams Tire ¹⁶	35	6	28	Purcell Tire & Rubber	46
32	Fletcher's Tire & Auto Service Inc.	35	1	29	Certified Tire & Service Centers	42
35	Commercial Tire Inc.	32	0			
36	AKH Co. ¹⁷	30	0	30	Nebraskaland / Kansasland Tire	41
36	Ben Tire Distributors ¹⁸	30	5	30	Pomp's Tire Service	41
36	Dunn Tire L.L.C.	30	0	32	Dobbs Tire & Auto	40
36	Mountain View Tire	30	0	33	Black's Tire Service	39
40	McGee Tire Stores Inc.	29	4	34	Tire Guys / Tire-Rama	37
41	Action Gator Tire Stores ¹⁹	28	1	34	TreadPro Tire Centres	37
41	Gorrepati Enterprises Inc. ²⁰	28	0	36	RimTyme Inc.	36
43	Brex Inc. ²¹	27	9	37	Conrad's Tire Express & Total Car Care	35
44	AAA Allied Group Inc. ²²	26	0			
44	Golden West Tire / Southland Tire ²³	26	9	37	Fletcher's Tire & Auto	35
44	Graham Tire Co.	26	1	37	Jack Williams Tire	35
47	T.O. Haas Tire Co.	25	-1	40	Commercial Tire Inc.	32
48	Clark Tire & Auto Service	24	0	41	Ben Tire Distributors	30
48	McCarthy Tire & Automotive Centers	24	4	41	Dunn Tire	30
				41	AKH Co.	30
48	Raben Tire Co.	24	2	41	Mountain View Tire	30
48	Ziegler Tire ²⁴	24	0	45	McGee Tire Stores	29
52	Grismer Tire ²⁵	23	1	46	Action Gator Tire Stores	28
52	Kost Tire & Auto Care ²⁶	23	-28	47	Bob Sumerel Tire Co.	26
54	Coast Tire & Auto Service (2002) Ltd. ²⁷	21	0	47	Graham Tire Co.	26
				49	T.O. Haas Tire	25
54	Express Tire ²⁸	21	0	50	Clark Tire & Auto Service	24
54	Jack Furrier's Western Tire Centers ²⁹	21	0	50	McCarthy Tire & Automotive Centers	24
54	Jensen Tire & Auto	21	0	50	Raben Tire Co.	24
58	Beverly Tire & Auto	20	0	53	Kost Tire & Muffler	23
58	United Tire & Service ³⁰	20	3	53	Grismer Tire Co.	23
60	Flynn's Tire & Service Centers	19	0	55	Coast Tire & Auto Service	21
60	Pete's Tire Barns	19	0	55	Express Tire Auto Service Center	21
62	Allen Tire Co.	18	-1	55	Jack Furrier's Western Tire Centers	21
62	Tireman Auto Service Centers	18	1	55	Jensen Tire Co.	21

- Discount Tire — Thomas Reinault Corp. — uses the Discount Tire name in all states except California and Oregon, where it uses America's Tire; AKH Co. (No. 36) uses Discount Tire Centers in California
- dba: Tire Kingdom; National Tire & Battery (NTB); and Merchant's Tire; store total includes 2 Big O Tire stores; drop in store count includes the sale of 20+ Big O store locations, including the sale of its 50% share of a joint venture with MFA Oil Co. in Missouri
- Tire Group stores only: dba: Mr. Tire, Tread Quarters, Autotire, Tire Warehouse Central, Tire Choice, etc. Monro acquired 57 retail stores in the past year in five deals — Kost Tire (New York), 27 stores; Windsor Tire(Conn.), 4 stores; Martino Tire (Fla.), 8 stores; Gold Coast Tire (Fla.), 9 stores; and Wood & Fullerton (Ga.), 9 stores. Also bought the Car-X franchise business (146 locations)
- There also are 63 associate dealer stores operating under the Les Schwab name
- dba: Mavis Tire, Cole Muffler; STS Tire. Mavis acquired STS (Somerset Tire Service) of Bridgewater, N.J., (157 retail stores) in Aug. 2015; Sold a 49% ownership stake in Q4 2014 to Oncomp Group of Canada Service & Tire Centers stores only. Pep Boys also operates 567 Pep Boys-badged auto parts and tires and auto service stores
- Best One comprises more than two dozen independent dealerships with common ownership under the Zurcher family; among them are two dealerships that would have been listed separately — Southern Indiana Tire (18 stores) and Indy Tire (9 stores). Stores operate either as Best One Tire & Service or B1 Advantage Plus
- 90 of the 158 stores are owned 50-50 with local partners; Goodyear owns 49-percent of Fountain
- Rent-A-Wheel's business model is tire and/or wheel leasing to own.
- Express Oil Change franchisor made four acquisitions since Q3 2014: Empathy (Ga. of Columbus, Ga. (4 stores) Savannah Tire of Savannah, Ga. (9 stores); Upton Tire Pros of Jackson, Miss. (4 stores); and Trax Tires of Mobile, Ala. (10 stores). Express Oil stores adding 'Tire Engineers' identity as a co-branding. Also has 100+ franchised Express Oil

- locations, which are adopting the Tire Engineers identity
- dba: American Tire Depot
- Store total shown here represents stores owned/operated by Tirecraft's principal owners; the group also has 420 affiliated dealers under Tirecraft signage
- dba: Gateway Tire; Hesselbein Tire
- dba: Big O Tires and Midas/Speedee
- dba: Tire-Rama
- Acquired Lebelzetter's Tire (3 stores), Aug. 2015, and Pittston Tire (1 store) April 2015
- dba: Discount Tire Centers in California
- dba: Neal Tire & Auto Service
- owned by Christensen Enterprises; dba Action Gator Tire
- Car-X Tire & Auto franchisee in greater Cincinnati and Indianapolis metro areas
- dba: Car-X Tire & Auto in the greater St. Louis metro area
- dba: Bob Sumerel Tire
- Big O Tires franchise with stores in California and Colorado
- Predominantly commercial dealership that has been adding retail services
- dba: Grismer Tire; Dayton Tire; Detroit Tire
- Clarks Summit, Pa.-based Kost Tire & Auto Care; separate from Kost Tire of New York, which was acquired by Monro Muffler in July 2015
- dba: Coast Tire, Disco Tire, Johnston's Tire, Parent Tire
- also owns/operates four retail stores in Mexico
- dba: Jack Furrier's, Desert Rat, Ultra Performance
- formerly Main Line Tire Tire & Service and affiliated dealers, now operating under United Tire banner
- Total Monro store count, including Monro-brand stores as well as Monro's Tire Group brands
- Total Pep Boys store count, including the Service & Tire Center stores
- Includes 35 'AutoPneu' associate stores

Largest retail tire chains

Ranked by number of company-owned stores (as of December 2015)

1 Wal-Mart Stores Inc. ¹	3,263	8 Goodyear	588
Wal-Mart	2,463	Goodyear Auto Service Ctrs.	505
Sam's Club	655	Just Tires	83
Wal-Mart Canada	145	9 Canadian Tire Corp.	495
2 Bridgestone Americas/Retail ²	2,313	10 Costco Wholesale Inc.	478
Firestone Complete Auto Care	1,750	11 Les Schwab Tire Centers ⁶	394
Tires Plus	499	12 Mavis Discount Tire	324
Wheel Works	40	13 Kal Tire	252
Hibdon Tire	24	14 Best One Tire & Service ⁷	202
3 Monro Muffler Brake Inc. ³	999	15 Fountain Tire ⁸	158
Monro/Speedy	509	16 Rent-A-Wheel/Rent-A-Tire	125
Mr. Tire	251	17 Tire Discounters	100
Tire Choice	52	18 Belle Tire Distributors	95
Tread Quarters	50	19 Town Fair Tire Centers	87
Tire Warehouse	47	19 Integra Tire & Auto Centres Ltd.	87
Tire Barn	30		
Ken Towery's	33		
Autotire	27		
4 Discount Tire/America's Tire	910		
5 Pep Boys — Manny, Moe & Jack ⁴	801		
Superstores	567		
Service & Tire Centers	234		
6 TBC Corp. ⁵	779		
TBC Retail	777		
(NTB, Merchant's, Tire Kingdom)			
Big O Tires	2		
7 Sears Holdings Corp.	668		

- Wal-Mart and Sam's Clubs stores that sell tires
- Bridgestone also operates 200+ GCR and TDS stores in the U.S.
- Monro also franchises 146 Car-X Auto locations
- Being acquired by Icahn Enterprises L.P.; store total includes locations in Puerto Rico
- TBC also franchises 360+ Big O Tires outlets in the U.S. and 39 in Canada, as well as nearly 1,200 Midas/Speedee stores
- Also operates 64 associate stores
- Also operates 75 associate stores
- Goodyear is 50% owner of Fountain Tire

TIRE BUSINESS graphic by Scott Merryweather

Top Dealerships

Ranked by 2014 retail sales (Based on company-owned outlets, year-end 2014)

Rank	Company	2014 Retail Sales (\$ millions)	2014 \$ Sales/ outlet	% Breakdown tires/service/ other
1	Discount Tire / America's Tire ¹	4,320.0	4,800,000	100 / 00 / 00
2	TBC Retail	*3,000.0+	3,851,090	N.A.
3	Pep Boys - Manny, Moe & Jack	2,084.6	2,602,497	18 / 37 / 45
4	Les Schwab Tire Centers	1,694.4	4,300,508	N.A.
5	Monro Muffler Brake	894.5	895,395	42 / 58 / 00
6	Fountain Tire	464.5	2,903,125	83 / 17 / 00
7	Kal Tire	347.1	1,377,381	N.A.
8	Belle Tire Distributors	*275.0	3,160,920	64 / 34 / 02
8	Best One Tire & Service	*275.0	1,361,386	N.A.
10	Tire Discounters	*180.0	2,000,000	60 / 40 / 00
11	Dunlap & Kyle	*160.0	2,759,000	64 / 36 / 00
12	Rent-a-Wheel / Rent-A-Tire	123.5	1,073,913	100 / 00 / 00
13	ATV Inc.	*110.0	1,618,182	N.A.
14	Kauffman Tire Inc.	*108.0	1,900,000	70 / 30 / 00
15	Sullivan Tire	*106.0	1,630,707	40 / 60 / 00
16	Dobbs Tire & Auto Centers	*105.0	2,625,000	45 / 55 / 00
17	Dunn Tire Corp.	*50.5	1,683,333	85 / 15 / 00
18	Leeds West Group ²³	50.0	961,538	15 / 85 / 00
18	Peerless Tire Co.	*50.0	877,193	95 / 05 / 00
20	Graham Tire Co.	45.1	1,737,935	50 / 45 / 05
21	Tireman Auto Service Centers	*44.5	2,472,222	50 / 50 / 00
22	Ben Tire Distributors Ltd.	43.1	1,436,666	60 / 40 / 00
23	Raben Tire	39.8	1,656,250	N.A.
24	Virginia Tire & Auto	39.6	3,300,000	23 / 77 / 00
25	Purcell Tire & Rubber Co.	33.6	763,636	45 / 55 / 00
26	McGee Tire Stores	30.0	1,153,846	55 / 40 / 05
27	Ramona Tire	*28.0	1,647,059	35 / 65 / 00
28	Gorrepati Services ⁴	26.4	942,857	15 / 85 / 00
29	Commercial Tire Inc.	*27.0	843,750	N.A.
30	Tire Works Total Car Care	*25.0	1,666,667	45 / 55 / 00
31	Delta World Tire Co.	*24.0	1,500,000	73 / 27 / 00
32	Jack Furrier Tire & Auto Care	23.8	1,135,600	55 / 45 / 00
33	Ted Wiens Tire & Auto Centers	*23.0	2,090,909	24 / 76 / 00
34	Valley Tire Co. Inc.	22.8	1,753,846	N.A.
35	Pomp's Tire Service Inc.	*22.5	548,780	N.A.
36	MFA Petroleum Co. ²	21.1	1,507,142	58 / 42 / 00
37	McCarthy Tire Service	20.0	952,381	N.A.
38	Lex Brodie's Tire	19.4	3,881,000	50 / 46 / 04
39	Bauer Built Inc.	18.5	1,233,333	77 / 23 / 00
40	Warren Tire Service Center Inc.	17.6	1,036,765	65 / 35 / 00

- * = estimated; N.A. = Not Available
- Sales include revenue from Discount Tire's Discounttiredirect online business, which skews the per-store average upward.
 - Big O Tires franchisee
 - Speedee franchisee
 - Car-X Tire & Auto franchisee

Largest North American Retreaders

(Based on rubber used during last full year—2014)

Medium & Heavy Truck Tires

2015 Rank	Company/headquarters	Pounds/year (in millions)	% Change	Units/day	Plants	Days/week	Shifts	Curing processes ^a	2014 Rank
1	Goodyear Commercial Tire Systems L.L.C. ¹ Fort Smith, Ark.	*34.50	N.C.	4,810	28	N.A.	N.A.	GY p.c. & m.c.	1
2	Southern Tire Mart L.L.C. Columbia, Miss.	28.00	8.5%	4,320	18	5	1 to 2	GY Unicircle (25 plants) Bandag	2
3	GCR Tires & Service ² Nashville, Tenn.	23.66	-5.2%	3,550	35	N.A.	N.A.	Bandag	3
4	Best One Tire & Service ³ Indianapolis, Ind.	15.60	7.6%	2,311	16	5	1 to 2	Bandag	5
5	Snider Fleet Solutions ⁴ Greensboro, N.C.	*14.80	N.C.	2,000	6	5 to 6	2 to 3	MRT	4
6	TCi Tire Centers L.L.C. ⁵ Duncan, S.C.	14.00	N.A.	1,900	10	N.A.	N.A.	MRT	6
7	Pomp's Tire & Auto Service Inc. Green Bay, Wis.	*12.00	N.C.	2,000*	12	5	1 to 2	Bandag	7
8	Les Schwab Tire Centers Bend, Ore.	*11.50	N.A.	1,600*	3	N.A.	N.A.	Oliver; M-RTS; Galgo	8
9	Kal Tire ⁶ Vernon, British Columbia	*10.80	N.A.	1,475*	10	5	1 1/2	Bandag	9
10	McCarthy Tire Service Co. Inc. ⁷ Wilkes-Barre, Pa.	9.50	11.8%	1,400	7	5	3	Bandag	10
11	Service Tire Truck Centers Inc. Bethlehem, Pa.	7.80	4.0%	1,120	3	5 1/2	2 1/2	MRT	12
12	Bauer Built Inc. Durand, Wis.	7.00	N.C.	1,000	7^	5 1/2	1 to 2	MRT	13
13	Purcell Tire & Rubber Co. Potosi, Mo.	6.50	-18.5%	918	4	6	2	GY m.c. & p.c.	11
14	Boulevard Tire Center Deland, Fla.	5.80	7.4%	936	6	5	1	Bandag	15
15	Tredroc Tire Services Antioch, Ill.	5.30	N.C.	1,100	5	5	1	Bandag	16
16	Jack's Tire & Oil Inc. Logan, Utah	5.10	4.1%	784	5	5	1	MRT	17
17	Parkhouse Tire Inc. Bell Gardens, Calif.	5.00	11.1%	700	2	5	1	Bandag	19
18	Bob Sumerel Tire Co. Inc. ⁸ Erlanger, Ky.	4.90	-14.0%	850	6	5	1 1/2	Bandag	14
19	Ziegler Tire & Supply Co. Massillon, Ohio	4.20	10.5%	556	2	5	1 1/2	MRT	20 (tie)
20	Atlanta Commercial Tire Forest Park, Ga.	4.00	31.7%	750	3	5	1	Bandag	29

Off-The-Road Tires

1	NRI Inc. Portland, Ore.	8.65	2.0%	N.A.	1	N.A.	N.A.	m.c., p.c., sculpture	2
2	Purcell Tire & Rubber Co. Potosi, Mo.	7.00	-17.6%	123	1^	6	2	m.c., flexcure, sculpture	1
3	H&H Industries Inc. Oak Hill, Ohio	4.80	-15.8%	48	1	5 1/2	3	m.c., p.c., cut-tread	3
4	B.R. Retreading Inc. Glasgow, Ky.	5.50	N.A.	80	1	5	2	Marangoni, m.c., cut-tread	4
5	Kal Tire ⁹ Vernon, British Columbia	*5.00	N.C.	90*	2	5	1 1/2	Marangoni m.c., Bandag	5 (tie)
5	RDH Tire Co. Cleveland, N.C.	*5.00	N.A.	65-70	1	5	3	Marangoni m.c., cut-tread	5 (tie)

Passenger & Light Truck Tires

(units/day: first number is passenger, second is light truck)

1	Eastern Tire Service Ltd. New Glasgow, Nova Scotia	*1.80	N.C.	700 / 125	1	5	2	Italmatic B to B	1
2	Techno Pneu Inc./Moldex Rimouski, Quebec	1.00	N.A.	200 / 200	1	5	3	Moldex m.c.	2
2	Day & Night Tire Service Inc. Lakeland, Fla.	*1.00	N.A.	000 / 325	1	5	1	Oliver	3
4	Mt. Morris Tire Service Inc. Mt. Morris, Pa.	*0.83	N.A.	150 / 225	1	5	2	m.c. (Cima/REI)	4
5	Tread Wright Inc. Houston	*0.71	N.A.	00 / 165	1	5		m.c. (CIMA)	5

* = Estimated; N.A. = Not Available

^ = Some plants may produce other types of retreads; N.C. = No Change

— GY=Goodyear; MRT=Michelin Retread Technologies; M-RTS=Marangoni RingTread System; m.c.=mold cure; p.c.=precure

1 Goodyear subsidiary

2 Data cover GCR Truck Tire Centers in the U.S. and Canada, Tire Distribu-

3 ton Systems and White Tire L.L.C.

Includes sales/production of Southern Indiana Tire, Tommy House Tire, Huber Tire, Zurcher Tire, Southern Illinois Tire, etc.; acquired 4 Terry's Tire Town commercial locations/1 retread plant in mid-2014 from American Tire Distributors Holdings Inc.

4 Previously Snider Tire

5 Michelin North America subsidiary.

6 Also operates OTR retread plants in Kamloops, British Columbia, and

Oshawa, Ontario

7 Acquired Terry Haggerty Tire of Albany, N.Y., in mid-2014; also operates an OTR retread plant in Somerset, Pa.

8 Acquired 5 commercial locations, including 1 retread plant, from Kauffman Tire Inc., April 2014

9 Combined data for Kal Tire and Polar Rubber Products