



ROADMASTER TIRES™
ENGINEERED BY *COOPERTIRES*

COMMERCIAL TRUCK TIRES
2016 PRODUCT MANUAL

**ENGINEERED
TO HANDLE
EVERYTHING
ALONG THE WAY.**



STEER / ALL-POSITION



RM180 **EM** page 2 RM234 **EM** page 3 RM185 page 4 RM185HH page 5 RM170 page 6 RM230 HH page 7 RM230 WH page 8 RM230 HH+ page 9 RM230 WB page 10 RM332 WB page 11

DRIVE



RM851 **EM** page 12 RM852 page 13 RM275 page 14 RM256 **EM** page 15 RM254 page 16 RM253 page 17 RM300 HH page 18

TRAILER



RM872 **EM** page 19 RM272 page 20 RM120 page 21



Competitive Comparison

Roadmaster	RM180 EM *	RM234 EM *	RM185*	RM185HH	RM170	RM230 HH	RM230 WH	RM332 WB RM230 WB
Michelin	XZA3+*	XZE2	X Multi Energy Z*	XZA1	XZE	XZY3	XZUS2	XZY3
Bridgestone	R283 Ecopia*	R268 Ecopia	R268 Ecopia	R249	R250F	M853	M860A	M854
Goodyear	G399A*	G661 HSA	G662 RSA*	G291	G647	G287	G289 WHA	G296
Yokohama	101ZL Spec-2*	103ZR	RY023*	104ZR	RY023	501ZA	MY627W	MY507A
Firestone	FS591*	FS507 Plus	FS560 PLUS	FS400	FS560 PLUS	T819	FS820	T839
Hankook	AL11*	AH24*	AH12	AH11S	AH11	AM06	AM06	AM15

*SmartWay Verified.

RM180



**LONG HAUL
STEER APPLICATION
SMARTWAY VERIFIED**

The RM180  is a long haul steer tire that is SmartWay verified. The modern tread pattern and high tensile strength four-belt construction combine to provide the retreadability, treadwear and fuel efficiency to meet your fleet's requirements.

**SMARTWAY VERIFIED
LOW ROLLING RESISTANCE TIRE**

Tire design and rubber compounding provide low tire rolling resistance and contribute to fuel efficiency.

**MODERN HIGHWAY TREAD PATTERN WITH
OPTIMIZED FOOTPRINT SHAPE**

Computer designed tread pattern and footprint shape providing even wear and minimized strain energy density.

DECOUPLING GROOVES

Resist uneven shoulder wear in long haul applications.

EVOLVING GROOVE SHAPE

As the tread wears down, the groove shape changes to maintain traction throughout the life of the tread.

MICRO SIPES ON GROOVES EDGES

Provide enhanced traction in wet road conditions and resists "river wear."



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM180  tubeless sizes:

90000007225	93853	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.0) 8.25-9.0	110 760	6,175 2,800	5,675 2,575	40.04 1,017	11.10 281	18.70 475	13.2 335	518 322	18.0 14.4	26 660	8.74 222	108 49.2	029142663720
90000025683	n/a	295/75R22.5 H/16 149/146L 75 mph 120 km/h	(9.0) 8.25-9.0	125 850	7,160 3,250	6,610 3,000	40.12 1,019	10.90 278	18.74 476	13.2 335	517 321	18.0 14.4	26 660	8.74 222	110 49.9	029142841722
90000007223	93834	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,175 2,800	5,840 2,650	41.38 1,051	11.00 280	19.29 490	12.5 318	501 311	18.0 14.4	26 660	8.74 222	112 51.1	029142663706
90000007228	93845	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 8.25-8.25	110 760	6,175 2,800	5,675 2,575	41.46 1,053	10.70 272	19.45 494	12.5 318	500 311	18.0 14.4	26 660	8.74 222	114 52.0	029142663737
90000007226	93854	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,610 3,000	6,005 2,725	43.35 1,101	10.90 278	20.28 515	12.5 318	478 297	18.0 14.4	26 660	9.02 229	120 54.7	029142663713

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



Visit cooperworld.net for up-to-date spec information.

RM234

SmartWay
Verified



**REGIONAL HAUL
ALL-POSITION APPLICATION
SMARTWAY VERIFIED**

The RM234 is now SmartWay verified. This is still a premium regional all position tire for high scrub applications with deep tread grooves and a premium tread compound providing excellent treadwear and cut and chip resistance.

DEEP TREAD DEPTH

22.5/32" tread depth provides extended mileage in high scrub applications.

PREMIUM HIGH SCRUB TREAD COMPOUND

Premium tread compound developed to increase treadwear and provide solid protection against cutting and chipping.

STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

FOUR FULL-WIDTH STEEL BELTS

Four full-width steel belts provide durability, casing integrity and a performance-designed footprint.

CURB BAR

Curb bars on the sidewalls protect them from curbing damage preserving the casing for retreading.

SMARTWAY VERIFIED

LOW ROLLING RESISTANCE TIRE

Tire design and rubber compounding provide low tire rolling resistance and contribute to fuel efficiency.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM234  tubeless sizes:

90000026379	295/75R22.5	G/14	144/141L	75 mph	(9.0) 8.25-9.0	110	6,175	5,675	40.35	11.10	18.82	13.2	514	22.5	30	8.87	115	029142849278
				120 km/h		760	2,800	2,575	1,025	283	478	335	319	18.0	762	225	52.1	
90000026378	11R22.5	G/14	144/142L	75 mph	(8.25) 7.5-8.25	105	6,175	5,840	41.69	11.10	19.41	12.5	497	22.5	26	8.87	119	029142849261
				120 km/h		720	2,800	2,650	1,059	283	493	318	309	18.0	660	225	54.0	
90000026377	11R22.5	H/16	146/143L	75 mph	(8.25) 7.5-8.25	120	6,610	6,005	41.69	11.10	19.41	12.5	497	22.5	26	8.87	121	029142849254
				120 km/h		830	3,000	2,725	1,059	283	493	318	309	18.0	660	225	55.2	
90000026502	285/75R24.5	G/14	144/141L	75 mph	(8.25) 8.25-8.25	110	6,175	5,675	41.69	10.90	19.57	12.5	497	22.5	30	8.87	120	029142850007
				120 km/h		760	2,800	2,575	1,059	276	497	318	309	18.0	762	225	54.6	
90000026501	11R24.5	G/14	146/143L	75 mph	(8.25) 7.5-8.25	105	6,610	6,005	43.66	11.10	20.39	12.5	475	22.5	26	8.87	129	029142849292
				120 km/h		720	3,000	2,725	1,109	282	518	318	295	18.0	660	225	58.6	
90000026500	11R24.5	H/16	149/146L	75 mph	(8.25) 7.5-8.25	120	7,160	6,610	43.66	11.10	20.39	12.5	475	22.5	26	8.87	129	029142849285
				120 km/h		830	3,250	3,000	1,109	282	518	318	295	18.0	660	225	58.6	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM185



**SmartWay
Verified**



**REGIONAL HAUL
PICK-UP AND DELIVERY
ALL-POSITION APPLICATION
SMARTWAY VERIFIED**

The RM185 is a regional all-position tire that is SmartWay verified for steer axle applications. The solid shoulder tread design and high tensile strength four-belt construction combine to provide the retreadability, treadwear and fuel efficiency to meet your fleet's requirements.

**SMARTWAY VERIFIED
LOW ROLLING RESISTANCE TIRE**

Tire design and rubber compounding provide low tire rolling resistance and contribute to fuel efficiency.

MICRO SIPES ON GROOVES EDGES

Provide enhanced traction in wet road conditions and resists "river wear."

ROBUST ALL-POSITION TREAD PATTERN

18 / 32" tread depth combined with solid shoulder ribs make this tire ideally suited for regional haul and pick-up and delivery service.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM185 tubeless sizes:

^ 90000007235	97853	295/75R22.5	G/14	144/141L	75 mph	(9.0) 8.25-9.0	110	6,175	5,675	40.12	10.90	18.74	13.2	517	18.0	26	8.74	108	029142676614
					120 km/h		760	2,800	2,575	1,019	278	476	335	321	14.4	660	222	49.1	
90000007230	92034	11R22.5	G/14	144/142L	75 mph	(8.25) 7.5-8.25	105	6,175	5,840	41.42	10.80	19.29	12.5	501	18.0	24	8.50	111	029142648932
					120 km/h		720	2,800	2,650	1,052	274	490	318	311	14.5	610	216	50.6	
90000007229	92036	11R22.5	H/16	146/143L	75 mph	(8.25) 7.5-8.25	120	6,610	6,005	41.42	10.80	19.29	12.5	501	18.0	24	8.50	113	029142648949
					120 km/h		830	3,000	2,725	1,052	274	490	318	311	14.5	610	216	51.4	
90000007233	92045	285/75R24.5	G/14	144/141L	75 mph	(8.25) 8.25-8.25	110	6,175	5,675	41.50	10.70	19.49	12.5	500	18.0	26	8.39	114	029142648987
					120 km/h		760	2,800	2,575	1,054	273	495	318	310	14.5	660	213	51.7	
90000007232	92054	11R24.5	G/14	146/143L	75 mph	(8.25) 7.5-8.25	105	6,610	6,005	43.46	11.00	20.31	12.5	477	18.0	22	8.74	119	029142648956
					120 km/h		720	3,000	2,725	1,104	279	516	318	296	14.5	559	222	54.2	
90000007231	92056	11R24.5	H/16	149/146L	75 mph	(8.25) 7.5-8.25	120	7,160	6,610	43.46	11.00	20.31	12.5	477	18.0	22	8.74	121	029142648963
					120 km/h		830	3,250	3,000	1,104	279	516	318	296	14.5	559	222	55.1	

^ This size is produced as an RM185^A. Cooper Tire does not recommend mixing the "A" and "non-A" products in a dual assembly on the same tractor or trailer to ensure the best mileage performance.

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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RM185HH



REGIONAL AND HIGHWAY HAULER ALL-POSITION APPLICATION

The RM185HH is a regional all-position tire designed to handle the heavy hauling. The 5-rib tread design and high tensile strength four-belt package combine to provide the retreadability and treadwear that your fleets require.

5-RIB TREAD DESIGN

Chevron shaped ribs provide good mix of wear and traction for the premium highway hauler.

RADIAL SIPING

The radial siping enhances wet traction and braking.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM185HH tubeless size:

9000007234	91838	315/80R22.5 J/18 154/151L 75 mph (9.0) 9.0-9.75 120 8,270 7,610 42.24 12.40 19.65 13.8 491 18.0 26 9.49 128 029142685043														

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM170



PICK-UP AND DELIVERY ALL-POSITION APPLICATION

The RM170 is a pick-up and delivery all-position tire and with the addition of the 17.5" sizes it is also ideal for low-platform trailers. The solid shoulder tread design and high tensile strength belt construction combine to provide the retreadability and treadwear that your local haulers require.

WIDE TREAD AND OPTIMIZED FOOTPRINT

Delivers long, even treadwear.

V-SHAPED TREAD GROOVES

Groove shape works to reduce stone retention.

STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed			(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC	
RM170 tubeless sizes:																			
90000007215	95804	215/75R17.5	H/16	135/133L	75 mph 120 km/h	(6.0) 6.0-6.75	125 860	4,805 2,180	4,540 2,060	30.51 775	8.40 214	14.29 363	9.4 239	680 422	15.0 12.1	18 457	7.13 181	60 27.1	029142748656
90000007216	95805	235/75R17.5	J/18	143/141J	62 mph 100 km/h	(6.75) 6.75-7.5	125 860	6,005 2,725	5,675 2,575	31.50 800	9.40 238	14.69 373	10.3 262	658 409	15.0 12.1	24 610	7.52 191	68 30.8	029142748663
90000007217	n/a	225/70R19.5	F/12	125/123L	75 mph 120 km/h	(6.75) 6.0-6.75	95 660	3,640 1,650	3,415 1,550	32.09 815	9.00 228	14.96 380	10.0 254	646 402	15.0 11.9	28 711	7.60 193	65 29.6	029142678243
90000007218	95803	225/70R19.5	G/14	128/126L	75 mph 120 km/h	(6.75) 6.0-6.75	110 760	3,970 1,800	3,750 1,700	32.09 815	9.00 228	14.96 380	10.0 254	646 402	15.0 11.9	28 711	7.60 193	65 29.6	029142678250
90000007220	95801	245/70R19.5	G/14	133/131L	75 mph 120 km/h	(7.5) 6.75-7.5	110 760	4,540 2,060	4,300 1,950	33.11 841	9.90 252	15.35 390	11.0 279	626 389	16.0 12.7	26 660	8.39 213	76 34.6	029142678267
90000007219	95806	245/70R19.5	H/16	136/134M	81 mph 130 km/h	(7.5) 6.75-7.5	120 825	4,940 2,240	4,675 2,120	33.11 841	9.90 252	15.35 390	11.0 279	626 389	16.0 12.7	26 660	8.39 213	76 34.6	029142750468
90000007221	95819	265/70R19.5	G/14	137/134L	75 mph 120 km/h	(7.5) 7.5-8.25	110 760	5,070 2,300	4,675 2,120	34.33 872	10.40 264	15.87 403	11.6 295	604 375	17.5 13.8	30 762	8.62 219	85 38.5	029142721659
90000007222	95810	10R22.5	G/14	141/139L	75 mph 120 km/h	(7.5) 6.75-8.25	115 790	5,675 2,575	5,355 2,430	40.31 1,024	10.20 258	18.82 478	11.4 290	514 320	18.0 14.5	24 610	7.87 200	101 46.1	029142721666

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM230 HH



ON/OFF-ROAD ALL-POSITION APPLICATION

The RM230HH is an on/off-road all-position tire designed to handle heavy hauling. The robust tread pattern, tread compounding and high tensile strength four-belt package combine to provide the retreadability, treadwear, and cut and chip resistance that your fleets require.

CUT AND CHIP RESISTANT TREAD COMPOUND

The cut and chip resistant tread compounding is specifically designed to perform in mixed service applications.

STONE PROTECTOR LEDGE

Stone protector ledges on all grooves resist stone penetrations.

CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

DEEP TREAD DEPTH

22.5/32" tread depth provides extended tread life in on/off-road applications.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max. Speed			(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter Inch mm	Section Width Inch mm	Static Loaded Radius In./mm	Dual Spcg. Inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. Inch mm	Buff Width Inch mm	Ship Wt. lbs. kg	UPC	
RM230 HH tubeless sizes:																			
90000024676	n/a	275/70R22.5	J/18	148/145K	68 mph 110 km/h	(8.25) 7.5-8.25	130 900	6,940 3,150	6,395 2,900	37.87 962	11.10 281	17.60 447	11.9 303	547 340	22.0 17.5		115 52.3	029142837602	
90000007239	93336	11R22.5	H/16	146/143K	68 mph 110 km/h	(8.25) 7.5-8.25	120 830	6,610 3,000	6,005 2,725	41.65 1,058	11.10 283	19.41 493	12.5 318	498 309	22.5 18.0	26 660	9.02 229	123 56.1	029142663843
90000007238	93322	12R22.5	H/16	150/147K	68 mph 110 km/h	(9.0) 8.25-9.0	120 830	7,390 3,350	6,780 3,075	42.91 1,090	12.00 304	19.92 506	13.5 343	483 300	22.5 18.0	26 660	9.61 244	142 64.5	029142692850
90000007243	93356	11R24.5	H/16	149/146K	68 mph 110 km/h	(8.25) 7.5-8.25	120 830	7,160 3,250	6,610 3,000	43.66 1,109	11.10 281	20.39 518	12.5 318	475 295	22.5 18.0	26 660	9.02 229	132 59.9	029142663850
90000007242	93324	12R24.5	H/16	152/149K	68 mph 110 km/h	(9.0) 8.25-9.0	120 830	7,830 3,550	7,160 3,250	45.00 1,143	12.10 307	20.94 532	13.5 343	461 286	22.5 18.0	26 660	9.61 244	152 69.2	029142692867

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM230 WH



ON/OFF-ROAD ALL-POSITION APPLICATION

The RM230 WH is designed for waste hauling fleets in urban environments. The NEW high wear-resistant compound, tread pattern and high tensile strength four-belt package combine to provide the enhanced treadwear, retreadability and sidewall protection that is essential to every waste hauler.

PREMIUM TREAD WIDTH AND TREAD DEPTH

The premium tread width and tread depth provides extended mileage in waste hauling applications.

NEW HIGH-WEAR RESISTANT COMPOUND

Unique tread compound was specifically designed for waste haul fleets.

STONE PROTECTOR LEDGE

The stone protector ledge in the center groove resists stone penetrations, thereby preserving the casing for retread.

24/32" DEEP TREAD DEPTH

Provides extended tread life in severe, high-scrub applications.

315/80R22.5 WITH 10,000 LBS. LOAD CAPACITY

A robust tire construction provides the load carrying capacity for trucks with 20,000 pound steer axles.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM230 WH tubeless size:

90000025755	315/80R22.5 L/20 160/154K 68 mph 110 km/h	(9.0) 9.0-9.75	130 900	10,000 4,540	8,270 3,750	43.19 1,097	12.50 318	20.04 509	13.8 351	480 298	24.0 19.0	28 711	10.67 271	166 75.6	029142840527
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Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM230 HH+



HEAVY HAULER ALL-POSITION APPLICATION

The RM230 HH+ was designed for heavy hauling in urban environments. The *NEW* tread compounding, tread pattern and high tensile strength four-belt package combine to provide the retreadability, treadwear and sidewall protection that is essential to every heavy hauling fleet for high-scrub applications.

NEW HIGH WEAR-RESISTANT TREAD COMPOUND

Unique tread compound was specifically designed for fleets in heavy hauling applications.

23/32" DEEP TREAD DEPTH

Provides extended tread life in high-scrub applications.

STONE PROTECTOR LEDGE

Stone protector ledges on all grooves resist stone penetrations, thereby extending the casing durability.

CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

315/80R22.5 WITH 10,000 LBS LOAD CAPACITY

A robust tire construction provides the load carrying capacity for high load steer axles.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed				(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
90000022527	315/80R22.5	L/20	160/154J	62 mph 100 km/h	(9.0) 9.0-9.75	130 900	10,000 4,540	8,270 3,750	42.80 1,087	12.50 318	19.88 505	13.8 351	484 301	22.5 18.0	28 711	10.00 254	147 66.7	029142816003

RM230 HH+ tubeless size:

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



Visit cooperworld.net for up-to-date spec information.

RM230 WB



**WIDE BASE
ON/OFF-ROAD
ALL-POSITION APPLICATION**

The RM230 WB is a heavy duty, wide base tire. The tread pattern is specially designed for mixed service conditions. The tread compound and heavy-duty belt construction will deliver the performance and durability your fleet requires.

M+S Rated

AGGRESSIVE ALL-POSITION TREAD DESIGN

The aggressive tread pattern has biting edges to handle harsh rock and gravel terrain and provides excellent all-position traction and handling for on and off-road applications.

CUT AND CHIP RESISTANT TREAD COMPOUND

The cut and chip resistant tread compounding is specifically designed to perform in mixed service applications.

HEAVY-DUTY 4-BELT CONSTRUCTION

Four heavy-duty steel belts enable hauling heavy loads with the assurance of the tire's durability.

STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM230 WB tubeless sizes:

90000007244	93438	385/65R22.5	L/20 160K	68 mph	(11.75)	11.75-12.25	130	9,920	n/a	42.32	15.20	19.57	n/a	490	22.5	46	12.24	180	029142663683
				110 km/h		900	4,500	n/a	1,075	387	497	n/a	304	18.0	1,168	311	81.7		
90000007245	93442	425/65R22.5	L/20 165K	68 mph	(12.25)	11.75-13.0	120	11,400	n/a	44.53	17.10	20.51	n/a	466	22.5	48	13.50	203	029142663690
				110 km/h		830	5,150	n/a	1,131	435	521	n/a	289	18.0	1,219	343	92.3		

Please call Cooper Tire's Consumer Relations Department for a proper fitment recommendation if using this product in a dual application.

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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Visit cooperworld.net for up-to-date spec information.

RM332 WB



**ON / OFF ROAD APPLICATION
ALL-POSITION
WIDE BASE**

The new, premium RM332 WB is a heavy-duty, wide base tire designed for the steer axle in mixed service applications. The rib-type tread pattern was specially designed to withstand the rigors of on/off-road, heavy haul driving while also providing great tread life and even wear. Through its specially formulated tread compound and heavy-duty four belt construction, this tire will deliver the performance and durability that fleets demand.

23/32" DEEP TREAD DEPTH

23/32" tread depth provides extended tread life in severe, high-scrub applications.

RIB-TYPE TREAD DESIGN FOR STEER AXLES

The rib-type tread pattern promotes great tread life and even wear in mixed service applications.

CUT AND CHIP RESISTENT TREAD COMPOUND

The cut and chip resistant compound was specially formulated to meet the performance requirements in mixed service applications.

FOUR HEAVY-DUTY, FULL-WIDTH STEEL BELT CONSTRUCTION

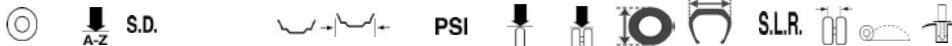
Four heavy-duty, full-width steel belts promote durability in heavy-haul fleets while also preserving the casing for retread.

STONE PROTECTOR LEDGES

The stone protector ledges in all four circumferential grooves help resist stone penetrations, thereby preserving the casing for retread.

CURB BAR ON SIDEWALLS

The curb bar on both sidewalls protects the tire from curbing damage thus helping to preserve the casing for retread.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	kg
RM332 WB tubeless sizes:														
90000022869	385/65R22.5 L/20 160K 68 mph 110 km/h	(11.75) 11.75-12.25	130 900	9,920 4,500	n/a n/a	42.32 1,075		19.57 497	n/a n/a	490 304	22.5 18.0	46 1,168	12.24 311	180 81.7
90000022900	425/65R22.5 L/20 165K 68 mph 110 km/h	(12.25) 11.75-13.0	120 830	11,400 5,150	n/a n/a	44.53 1,131	16.08 431	20.51 521	n/a n/a	466 289	22.5 18.0	46 1,168	13.50 343	203 92.3

Availability to be announced

Please call Cooper Tire's Consumer Relations Department for a proper fitment recommendation if using this product in a dual application.

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



Visit cooperworld.net for up-to-date spec information.

RM851^{EM}

SmartWay
Verified



LONG HAUL / HIGHWAY SMARTWAY VERIFIED DRIVE APPLICATION

The tread compound is specifically formulated for fuel efficiency. The RM851^{EM} is designed for regional to long haul applications. The solid shoulder provides long, even wear while the lugs provide the traction necessary for a drive position tire.

M+S Rated

FUEL EFFICIENT TREAD COMPOUND

The tire design and rubber compounding provide low tire rolling resistance and contribute to fuel efficiency earning SmartWay verification.

STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.

SOLID SHOULDER DRIVE TIRE

Solid shoulder ribs provide even wear in long haul application, while the lugs provide traction in wet and snow.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spc. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM851^{EM} tubeless sizes:

90000007290	81653	295/75R22.5	G/14	144/141L	75 mph	(9.0) 8.25-9.0	110	6,175	5,675	40.59	11.00	18.94	13.2	511	26.5	26	8.74	114	029142734260
					120 km/h		760	2,800	2,575										
90000007289	81634	11R22.5	G/14	144/142L	75 mph	(8.25) 7.5-8.25	105	6,175	5,840	42.09	10.90	19.57	12.5	493	26.5	22	8.86	122	029142734253
					120 km/h		720	2,800	2,650										
90000007292	81645	285/75R24.5	G/14	144/141L	75 mph	(8.25) 8.25-8.25	110	6,175	5,675	41.85	10.70	19.61	12.5	495	26.5	22	8.86	118	029142742937
					120 km/h		760	2,800	2,575										
90000007291	81654	11R24.5	G/14	146/143L	75 mph	(8.25) 7.5-8.25	105	6,610	6,005	44.06	10.70	20.55	12.5	471	26.5	24	8.62	130	029142742920
					120 km/h		720	3,000	2,725										

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



Visit cooperworld.net for up-to-date spec information.

RM852



PREMIUM LONG HAUL DRIVE HIGHWAY APPLICATION

The RM852 is Roadmaster's newest premium long haul drive tire. The 3-D micro-gauge siping along with the solid shoulder design offers improved traction in challenging weather conditions. The tread lugs are uniquely designed to resist squirm and promote even wear. The RM852 has a deep 30/32nd tread depth along with premium tread compounding to provide exceptional mileage and help lower fleet's operating expenses.

M+S Rated

DEEP, WIDE TREAD DESIGN

30/32 of tread depth, provides the extended mileage and premium wear that is expected in long haul applications.

SOLID SHOULDER

The solid shoulder design provides even wear in long haul applications, while the intermediate and center lugs provide traction in wet and winter conditions.

3-D MICRO-GAUGE SIPED

The dovetailed (3-D Micro-Gauge) siping offers improved traction throughout the life of the tire while maintaining the tread lug's stability to resist squirm and promote even wear.

ASYMMETRIC DRAFT GROOVE WALLS

The draft angles on the tread element walls resist stone retention and stone drilling, promoting a longer wearing tire and supporting casing integrity.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed				(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius inch mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
RM852 tubeless sizes:																		
90000022551	295/75R22.5	G/14	144/141L	75 mph 120 km/h	(9.0) 8.25-9.0	110 760	6,175 2,800	5,675 2,575	40.91 1,039	11.40 290	19.21 488	13.2 335	507 315	30.0 23.6	28 711	9.63 245	130 58.9	029142816218
90000022546	11R22.5	G/14	144/142L	75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,175 2,800	5,840 2,650	42.13 1,070	11.40 289	19.61 498	12.5 318	492 306	30.0 23.6	26 660	9.75 248	134 60.7	029142816164
90000022547	11R22.5	H/16	146/143L	75 mph 120 km/h	(8.25) 7.5-8.25	120 830	6,610 3,000	6,005 2,725	42.13 1,070	11.50 292	19.61 498	12.5 318	492 306	30.0 23.6	26 660	9.75 248	135 61.4	029142816171
90000022550	285/75R24.5	G/14	144/141L	75 mph 120 km/h	(8.25) 8.25-8.25	110 760	6,175 2,800	5,675 2,575	42.17 1,071	10.80 275	19.76 502	12.5 318	492 306	30.0 23.6	28 711	9.50 241	135 61.3	029142816201
90000022549	11R24.5	G/14	146/143L	75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,610 3,000	6,005 2,725	44.06 1,119	11.50 293	20.59 523	12.5 318	471 292	30.0 23.6	26 660	9.75 248	142 64.6	029142816195
90000022548	11R24.5	H/16	149/146L	75 mph 120 km/h	(8.25) 7.5-8.25	120 830	7,160 3,250	6,610 3,000	44.06 1,119	11.50 293	20.59 523	12.5 318	471 292	30.0 23.6	26 660	9.75 248	144 65.5	029142816188

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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Visit cooperworld.net for up-to-date spec information.

RM275



LONG HAUL / HIGHWAY AND REGIONAL DRIVE APPLICATION

The RM275 is a long haul drive tire. The solid shoulder traction design and high tensile strength four-belt package combine to provide the retreadability, treadwear and traction to meet your fleet's requirements.

M+S Rated

SOLID SHOULDER DRIVE TIRE

Solid shoulder ribs provide even wear in long haul application, while the lugs provide traction in wet and snow.

STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
RM275 tubeless sizes:																
^ 90000007286	97953	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.0) 8.25-9.0	110 760	6,175 2,800	5,675 2,575	40.59 1,031	11.00 279	18.94 481	13.2 335	511 317	26.5 21.2	26 660	8.74 222	115 52.2	029142676621
90000007281	92134	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,175 2,800	5,840 2,650	42.09 1,069	10.90 276	19.57 497	12.5 318	493 306	26.5 21.2	22 559	8.86 225	122 55.6	029142648994
90000007282	92136	11R22.5 H/16 146/143L 75 mph 120 km/h	(8.25) 7.5-8.25	120 830	6,610 3,000	6,005 2,725	42.09 1,069	10.90 276	19.57 497	12.5 318	493 306	26.5 21.2	22 559	8.86 225	124 56.4	029142649007
90000007285	92145	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 8.25-8.25	110 760	6,175 2,800	5,675 2,575	41.85 1,063	10.70 272	19.61 498	12.5 318	495 308	26.5 21.2	22 559	8.86 225	118 53.7	029142649045
90000007284	92154	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,610 3,000	6,005 2,725	44.06 1,119	10.70 272	20.55 522	12.5 318	471 292	26.5 21.2	24 610	8.62 219	130 59.3	029142649014
90000007283	92156	11R24.5 H/16 149/146L 75 mph 120 km/h	(8.25) 7.5-8.25	120 830	7,160 3,250	6,610 3,000	44.06 1,119	10.70 272	20.55 522	12.5 318	471 292	26.5 21.2	24 610	8.62 219	132 60.2	029142649021

^ This size is produced as an RM275^A. Cooper Tire does not recommend mixing the "A" and "non-A" products in a dual assembly on the same tractor or trailer to ensure the best mileage performance.

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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Visit cooperworld.net for up-to-date spec information.

RM256 ^{EM}



**SmartWay
Verified**



**PREMIUM REGIONAL DRIVE
SMARTWAY VERIFIED**

The RM256 ^{EM} is a premium regional SmartWay Verified drive tire. The tread compound is specifically formulated for fuel efficiency while also providing the traction a regional drive tire requires. The robust tie-bars in the shoulder area help fight irregular wear and promote extended treadwear. In addition, the RM256 ^{EM} is offered with Roadmaster's industry leading casing warranty. The Roadmaster team is proud to be one of the few brands to offer a SmartWay Verified open shoulder drive tire.

M+S Rated

ROBUST TIE-BARS

Provides support to the tread blocks which helps resist heel-toe wear, tearing, and cracking.

STONE PROTECTOR LEDGE

Stone protector ledges on tread blocks resist stone penetration and stone drilling.

CURB BAR

Curb bars on the sidewalls protect from curbing damage preserving the casing for retreading.

^{EM} ENERGY MAX FUEL EFFICIENT COMPOUND

The tire's tread design and rubber compounding provides low tire rolling resistance and contributes to fuel efficiency, earning SmartWay verification.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM256 ^{EM} tubeless sizes:

90000022530	295/75R22.5	G/14	144/141L	75 mph	(9.0) 8.25-9.0	110	6,175	5,675	40.75	11.10	19.02	13.2	509	26.0	28	9.00	117	029142816034
				120 km/h		760	2,800	2,575	1,035	281	483	335	316	20.7	711	229	53.3	
90000022529	11R22.5	G/14	144/142L	75 mph	(8.25) 7.5-8.25	105	6,175	5,840	41.93	11.20	19.49	12.5	494	26.0	26	8.60	120	029142816027
				120 km/h		720	2,800	2,650	1,065	284	495	318	307	20.7	660	218	54.5	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM254



REGIONAL PICK-UP AND DELIVERY DRIVE APPLICATION

The RM254 is a regional traction tire. Whether on a beverage truck or delivery truck, this tire will provide the traction and treadwear required for frequent stopping and accelerating. The premium tread compound and high tensile strength four-belt package combine to provide the retreadability, treadwear, and traction to meet your fleet's expectations.

M+S Rated

AGGRESSIVE TRACTION TREAD PATTERN

Provides superior performance in all types of conditions.

ROBUST TIE-BARS

Provide support and to resist cracking, tearing and heal-toe wear.

STONE PROTECTOR LEDGE

Stone protector ledges on lugs resist stone penetrations.

CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed				(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
RM254 tubeless sizes:																			
90000007271	71053	295/75R22.5	G/14	144/141L	75 mph 120 km/h	(9.0) 8.25-9.0	110	6,175	5,675	40.75	11.10	19.02	13.2	509	26.0	28	9.00	117	029142731993
90000007269	71034	11R22.5	G/14	144/142L	75 mph 120 km/h	(8.25) 7.5-8.25	105	6,175	5,840	41.93	11.20	19.49	12.5	494	26.0	26	8.60	120	029142731955
90000007270	71036	11R22.5	H/16	146/143L	75 mph 120 km/h	(8.25) 7.5-8.25	120	6,610	6,005	41.93	11.20	19.53	12.5	494	26.0	26	8.60	122	029142731962
90000007274	71045	285/75R24.5	G/14	144/141L	75 mph 120 km/h	(8.25) 8.25-8.25	110	6,175	5,675	41.93	10.80	19.65	12.5	494	26.0	28	9.00	122	029142732006
90000007272	71054	11R24.5	G/14	146/143L	75 mph 120 km/h	(8.25) 7.5-8.25	105	6,610	6,005	43.94	11.20	20.51	12.5	472	26.0	26	8.60	128	029142731979
90000007273	71056	11R24.5	H/16	149/146L	75 mph 120 km/h	(8.25) 7.5-8.25	120	7,160	6,610	43.94	11.20	20.51	12.5	472	26.0	26	8.60	130	029142731986
							830	3,250	3,000	1,116	285	521	318	293	20.7	660	218	59.1	

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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Visit cooperworld.net for up-to-date spec information.

RM253



ASYMMETRIC
DRAFT GROOVE WALL



REGIONAL PICK-UP AND DELIVERY DRIVE APPLICATION

The RM253 features isle siping on the lugs to maximize traction in all types of weather conditions. The aggressive geometric groove base is designed to prevent stone retention and promote self cleaning ability. An all-purpose tread and base compound is specifically formulated for regional pick-up and delivery applications to enhance overall performance.

M+S Rated

MODERN TRACTION TREAD PATTERN

Computer designed tread pattern for an attractive modern appearance providing excellent all-season tire performance (M+S rating). The RM253 complements the RM170 in the steer position.

STONE PROTECTOR LEDGE

Stone protector ledges on lugs resist stone penetrations.

ASYMMETRIC DRAFT GROOVE WALLS

Promotes self-cleaning and to prevent stone retention.

CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

ROBUST CENTER RIB

Engineered to optimize handling response.

APPLICATION-SPECIFIC TREAD COMPOUND

Optimizes treadwear, handling and traction performance for pickup and delivery application.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
RM253 tubeless sizes:																
90000007265	n/a	225/70R19.5 F/12 125/123L 75 mph 120 km/h	(6.75) 6.0-6.75	95 660	3,640 1,650	3,415 1,550	32.24 819	8.90 225	15.00 381	10.0 254	643 400	18.5 14.9	18 457	7.24 184	66 29.9	029142721857
90000007266	71826	225/70R19.5 G/14 128/126L 75 mph 120 km/h	(6.75) 6.0-6.75	110 760	3,970 1,800	3,750 1,700	32.24 819	8.90 225	15.00 381	10.0 254	643 400	18.5 14.9	18 457	7.24 184	66 29.9	029142721864
90000007267	71845	245/70R19.5 G/14 133/131L 75 mph 120 km/h	(7.5) 6.75-7.5	110 760	4,540 2,060	4,300 1,950	33.27 845	9.80 250	15.43 392	11.0 279	623 387	18.5 14.9	22 559	7.99 203	75 34.2	029142721871
90000007268	71846	245/70R19.5 H/16 136/134M 81 mph 130 km/h	(7.5) 6.75-7.5	120 825	4,940 2,240	4,675 2,120	33.27 845	9.80 250	15.43 392	11.0 279	623 387	18.5 14.9	22 559	7.99 203	75 34.2	029142750475

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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Cooper Tire reserves the right to change and improve construction, materials or specifications without notice or obligation.



Visit cooperworld.net for up-to-date spec information.

RM300 HH



ON/OFF-ROAD DRIVE APPLICATION

The RM300 HH is an on/off-road drive tire designed to handle heavy hauling. The deep traction pattern, tread compounding and high tensile strength four-belt package combine to provide the retreadability, treadwear, and cut and chip resistance that your fleets require.

M+S Rated

STONE PROTECTOR LEDGE

Stone protector ledges on all lugs resist stone penetrations.

STONE EJECTORS

Stone ejectors in the bottom of the tread grooves protect the casing from stone penetrations.

CURB BAR WITH SIDEWALL DEPTH INDICATOR

Protects the sidewall from scuffing damage and indicates when a tire should be rotated to preserve the casing for retreading.

CUT AND CHIP RESISTANT TREAD COMPOUND

The cut and chip resistant tread compounding is specifically designed to perform in mixed service applications.

DEEP TREAD DEPTH

Rugged 29.5/32" of tread provides excellent traction and durability.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
RM300 HH tubeless sizes:																
90000007287	93734	11R22.5 H/16 146/143K 68 mph 110 km/h	(8.25) 7.5-8.25	120 830	6,610 3,000	6,005 2,725	42.09 1,069	11.20 284	19.57 497	12.5 318	493 306	29.5 23.5	26 660	9.02 229	127 57.7	029142663669
90000007288	93756	11R24.5 H/16 149/146K 68 mph 110 km/h	(8.25) 7.5-8.25	120 830	7,160 3,250	6,610 3,000	44.09 1,120	11.10 282	20.59 523	12.5 318	470 292	29.5 23.5	26 660	9.02 229	135 61.5	029142663676

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

Please refer to the Commercial Truck Tire and Vehicle Safety reference pages for proper care and service of truck and bus tires.

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Visit cooperworld.net for up-to-date spec information.

RM872

**SmartWay
Verified**



PREMIUM LONG HAUL TRAILER SMARTWAY VERIFIED

The RM872  is the newest addition to the Roadmaster line of fuel-efficient SmartWay verified tires. This premium long haul trailer tire has been extensively tested to deliver exceptional performance along with excellent fuel efficiency. The RM872  features unique shoulder grooves and micro-sipes that provide outstanding resistance to abnormal shoulder wear. Finally, stone ejectors located in the bottom of the tread grooves protect against stone penetration to enhance casing integrity.

ENERGY MAX FUEL EFFICIENT COMPOUND

The tire's tread design and rubber compounding provides low tire rolling resistance and contributes to fuel efficiency, earning SmartWay verification.

MICRO-SIPES ON GROOVES EDGES

Provide enhanced traction in wet road conditions and resists abnormal or "river wear."

WIDE OUTSIDE SHOULDER RIBS

The large shoulder and center ribs resist scrubbing from high side forces which in turn promote long, even wear for long haul applications.

STONE EJECTOR RIBS

Stone ejectors in the bottom of the tread grooves protect the casing from stone penetrations and help resist stone retention.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REVs miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
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RM872 tubeless sizes:

90000007297	295/75R22.5 G/14 144/141L 75 mph 120 km/h	(9.0) 8.25-9.0	110 760	6,175 2,800	5,675 2,575	39.65 1,007	11.10 282	18.54 471	13.2 335	523 325	12.0 9.5	26 660	8.74 222	102 46.2	029142752219
90000022298	11R22.5 G/14 144/142L 75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,175 2,800	5,840 2,650	40.91 1,039	11.10 282	19.06 484	12.5 318	507 315	12.0 9.5	24 610	8.50 216	106 48.2	029142815259
90000022310	285/75R24.5 G/14 144/141L 75 mph 120 km/h	(8.25) 8.25-8.25	110 760	6,175 2,800	5,675 2,575	41.02 1,042	10.90 276	19.29 490	12.5 318	505 314	12.0 9.5	26 660	8.74 222	106 48.1	029142815273
90000022299	11R24.5 G/14 146/143L 75 mph 120 km/h	(8.25) 7.5-8.25	105 720	6,610 3,000	6,005 2,725	42.95 1,091	11.10 283	20.08 510	12.5 318	483 300	12.0 9.5	24 610	8.50 216	113 51.5	029142815266

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

Exceeding posted speed limits is unlawful and is not recommended by Cooper Tire.

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RM272



**STANDARD LIMITED WARRANTY
ALL POSITION
SPREAD AXLE TRAILER APPLICATION**

The RM272 is an all-position/trailer tire featuring a premium, high-scrub tread compound that provides improved treadwear and solid, long-lasting protection against cutting and chipping in spread axle trailer applications. It is also well suited for straight trucks and recreational vehicles where stopping and starting occur frequently. The stone ejector ribs in the grooves help preserve the casing for retreading and the rounded shoulder design help minimize the effect of high lateral forces on the tire.

PREMIUM HIGH-SCRUB TREAD COMPOUND

The premium tread compound was developed to provide improved treadwear and solid, long-lasting protection against cutting and chipping.

ROUNDED SHOULDER PROFILE

The rounded shoulder design minimizes the effect of high lateral forces in spread axle applications.

STONE EJECTOR RIBS IN TREAD GROOVES

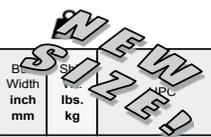
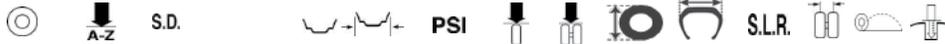
The stone ejector ribs in the center grooves help prevent stone retention and drilling thus preserving the casing for retreading.

MULTI-PURPOSE SIZE DESIGN

The 255/70R22.5 is designed with 16/32 tread depth and is suitable for use on spread-axle trailers, straight trucks and recreational vehicles.

ENGINEERED FOR RETREADABILITY

All Roadmaster tires are engineered for retreadability. With a cool-running base compound, optimized belt / tread package, and tread patterns designed to resist stone penetrations, Roadmaster tires deliver the durability and retreadability fleet owners expect.



Material #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Weight lbs. kg
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RM272 tubeless sizes:

* 90000026979	245/70R17.5 J/18 143/141K 68 mph 110 km/h	(7.5) 6.75-7.5	125 875	6,005 2,725	5,675 2,575	31.22 793	9.40 240	14.41 366	11.0 279	664 413	17.5 14.0			69 31.3	029142850878
90000022852	255/70R22.5 H/16 140/137L 75 mph 120 km/h	(7.5) 7.5-8.25	120 830	5,510 2,500	5,070 2,300	36.61 930	10.00 253	17.24 438	11.3 287	566 352	16.0 12.5	28 711	8.25 210	92 41.9	029142817239
90000022853	275/70R22.5 J/18 148/145L 75 mph 120 km/h	(8.25) 7.5-8.25	130 900	6,940 3,150	6,395 2,900	38.11 968	10.90 277	17.68 449	13.2 335	544 338	18.0 14.5			108 49.2	029142817246

* Availability to be announced

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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RM120



LONG HAUL TRAILER AND ALL-POSITION APPLICATION

The RM120 is a long haul trailer tire that has an optimized tread depth and high tensile strength four-belt package combine to provide the retreadability and even treadwear that your fleets require.

MICRO SIPES ON GROOVES EDGES

Provide enhanced traction in wet road conditions and resists "river wear."

STONE EJECTORS

Stone ejectors in the tread grooves protect the casing from stone penetrations.



Material #	Item #	Tire Size, Load Range / Ply Rating, Service Description & Max Speed	(Measured) Approved Rim Widths	Max. Inflation Pressure psi kPa	Single Max. Load lb./kg	Dual Max. Load lb./kg	Overall Diameter inch mm	Section Width inch mm	Static Loaded Radius in./mm	Dual Spcg. inch mm	REV's miles kilo	Tread Depth 32nds mm	Buff Rad. inch mm	Buff Width inch mm	Ship Wt. lbs. kg	UPC
RM120 tubeless sizes:																
^ 90000007212	98153	295/75R22.5 G/14 144/141L 75 mph	(9.0) 8.25-9.0	110	6,175	5,675	39.65	11.00	18.54	13.2	523	12.0	26	8.74	100	029142676645
		120 km/h		760	2,800	2,575	1,007	279	471	335	325	9.5	660	222	45.3	
90000007206	92334	11R22.5 G/14 144/142L 75 mph	(8.25) 7.5-8.25	105	6,175	5,840	41.10	10.90	19.17	12.5	504	12.0	24	8.50	103	029142649113
		120 km/h		720	2,800	2,650	1,044	276	487	318	313	9.5	610	216	46.9	
90000007207	92336	11R22.5 H/16 146/143L 75 mph	(8.25) 7.5-8.25	120	6,610	6,005	41.10	10.90	19.17	12.5	504	12.0	24	8.50	105	029142649120
		120 km/h		830	3,000	2,725	1,044	276	487	318	313	9.5	610	216	47.8	
90000007211	92345	285/75R24.5 G/14 144/141L 75 mph	(8.25) 8.25-8.25	110	6,175	5,675	40.94	10.80	19.25	12.5	506	12.0	24	8.62	107	029142649168
		120 km/h		760	2,800	2,575	1,040	275	489	318	315	9.5	610	219	48.4	
90000007210	92354	11R24.5 G/14 146/143L 75 mph	(8.25) 7.5-8.25	105	6,610	6,005	43.15	10.90	20.16	12.5	480	12.0	24	8.50	110	029142649137
		120 km/h		720	3,000	2,725	1,096	277	512	318	299	9.5	610	216	50.2	
90000007209	92356	11R24.5 H/16 149/146L 75 mph	(8.25) 7.5-8.25	120	7,160	6,610	43.15	10.90	20.16	12.5	480	12.0	24	8.50	112	029142649144
		120 km/h		830	3,250	3,000	1,096	277	512	318	299	9.5	610	216	51.1	

^ This size is produced as an RM120^A. Cooper Tire does not recommend mixing the "A" and "non-A" products in a dual assembly on the same tractor or trailer to ensure the best mileage performance.

Refer to the Load and Inflation Table for approved tire load limits at various cold inflation pressures.

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ROADMASTER TIRES™

ENGINEERED BY **COOPERTIRES**

COMMERCIAL APPLICATION TIRE SELECTION GUIDE



STEER	RM180 (EM)	RM230 WB RM185HH RM230 HH	RM185HH RM230 HH	RM180 (EM) RM185	RM185 RM230 HH RM234 (EM)
DRIVE	RM851 (EM) RM852 RM275 RM256 (EM) RM254	RM852 RM256 (EM) RM254 RM300 HH RM230 HH	RM852 RM256 (EM) RM254 RM300 HH RM230 HH	RM851 (EM) RM852 RM275 RM256 (EM) RM254	RM852 RM275 RM256 (EM) RM254 RM300 HH
TRAILER	RM872 (EM) RM120	RM185 RM170 RM230 HH RM272	RM230 HH RM185	RM872 (EM) RM120 RM185	RM230 HH RM185 RM234 (EM)



STEER	RM185 RM230 HH RM234 (EM)	RM234 (EM) RM230 HH	RM185 RM234 (EM)	RM180 (EM)	RM332 WB RM230 WB RM185HH RM230 HH	RM230 WH
DRIVE	RM852 RM275 RM256 (EM) RM254 RM230 HH RM185	RM852 RM275 RM256 (EM) RM254 RM300 HH RM185 RM230 HH	RM852 RM275 RM256 (EM) RM254	RM851 (EM) RM852 RM275 RM256 (EM) RM254	RM256 (EM) RM254 RM300 HH RM230 HH	RM230 WH RM254 RM300 HH
TRAILER	RM185 RM230 HH RM234 (EM)	RM185 RM230 HH RM272	RM872 (EM) RM120 RM234 (EM) RM185 RM230 HH	RM872 (EM) RM120	TAG FITMENT RM185 RM170 RM230 HH	



STEER	RM180 (EM) RM170 RM185 RM185HH	RM234 (EM) RM185	RM185 RM234 (EM)	RM332 WB RM230 WB RM230 HH RM185HH	RM185 RM230 HH RM234 (EM)	RM185 RM234 (EM)	RM332 WB RM230 WB RM230 HH	RM185 RM230 HH RM234 (EM)
DRIVE	RM851 (EM) RM852 RM275 RM185 RM185HH	RM852 RM275 RM256 (EM) RM254	RM256 (EM) RM254	RM256 (EM) RM254 RM300 HH RM230 HH	RM256 (EM) RM254 RM300 HH RM230 HH	RM275 RM256 (EM) RM254 RM234 (EM)	RM256 (EM) RM254 RM300 HH RM230 HH	RM852 RM275 RM256 (EM) RM254



Load and Inflation Table for Radial Medium Truck Tires

TIRE SIZE DESIGNATION	USAGE	TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES													
		kPa psi	480 70	520 75	550 80	590 85	620 90	660 95	690 100	720 105	760 110	790 115	830 120	860 125	900 130
245/70R17.5	DUAL	kg lbs.			1800 3970	1900 4190	1980 4365	2080 4585	2160 4760	2230 4915	2330 5135	2410 5315	2500 5510	2575(J) 5675(J)	
	SINGLE	kg lbs.			1910 4210	2020 4455	2100 4630	2210 4870	2280 5025	2360 5200	2470 5445	2550 5620	2650 5840	2725(J) 6005(J)	
215/75R17.5	DUAL	kg lbs.			1450 3195	1520 3345	1590 3500	1650 3650	1720 3795	1790 3945	1860 4095	1910 4220	1990 4390	2060(H) 4540(H)	
	SINGLE	kg lbs.			1530 3375	1610 3540	1680 3695	1750 3860	1820 4010	1900 4180	1960 4330	2040 4495	2110 4650	2180(H) 4805(H)	
235/75R17.5	DUAL	kg lbs.			1800 3970	1900 4170	1980 4365	2070 4555	2150 4745	2240 4935	2330 5125	2410 5310	2490 5495	2575(J) 5675(J)	
	SINGLE	kg lbs.			1910 4200	2000 4410	2100 4615	2200 4820	2280 5025	2360 5225	2460 5420	2550 5620	2640 5810	2725(J) 6005(J)	
225/70R19.5	DUAL	kg lbs.	1230 2720	1300 2860	1360 3000	1410 3115	1470 3245	1550(F) 3415(F)	1580 3490	1640 3615	1700(G) 3750(G)				
	SINGLE	kg lbs.	1310 2895	1380 3040	1450 3195	1500 3315	1570 3450	1650(F) 3640(F)	1690 3715	1740 3845	1800(G) 3970(G)				
245/70R19.5	DUAL	kg lbs.	1390 3070	1460 3220	1550 3415	1590 3515	1660 3655	1750 3860	1790 3940	1850 4075	1950(G) 4300(G)	2040 4520	2120(H) 4675(H)		
	SINGLE	kg lbs.	1480 3265	1550 3425	1650 3640	1700 3740	1770 3890	1850 4080	1900 4190	1970 4335	2060(G) 4540(G)	2150 4740	2240(H) 4940(H)		
265/70R19.5	DUAL	kg lbs.	1560 3430	1640 3600	1700 3750	1780 3930	1860 4095	1950 4300	2000 4405	2000 4415	2120(G) 4675(G)				
	SINGLE	kg lbs.	1660 3650	1740 3830	1800 3970	1900 4180	1970 4355	2060 4540	2130 4685	2200 4850	2300(G) 5070(G)				
10R22.5	DUAL	kg lbs.	1750 3860	1830 4045	1910 4230	2000 4410	2080 4585	2160 4760	2240 4940	2300 5075	2360 5210	2430(G) 5355(G)			
	SINGLE	kg lbs.	1850 4080	1940 4280	2030 4480	2120 4675	2200 4850	2280 5025	2360 5205	2430 5360	2500 5515	2575(G) 5675(G)			
11R22.5	DUAL	kg lbs.	1990 4380	2080 4580	2160 4760	2250 4950	2360 5205	2460 5415	2560 5625	2650(G) 5840(G)	2680 5895	2710 5950	2725(H) 6005(H)		
	SINGLE	kg lbs.	2050 4530	2160 4770	2260 4990	2370 5220	2500 5510	2600 5730	2700 5950	2800(G) 6175(G)	2870 6320	2940 6465	3000(H) 6610(H)		
12R22.5	DUAL	kg lbs.	2170 4780	2260 4990	2350 5190	2440 5390	2575 5675	2630 5785	2680 5895	2725 6005	2840 6265	2960 6525	3075(H) 6780(H)		
	SINGLE	kg lbs.	2240 4940	2360 5200	2470 5450	2580 5690	2725 6005	2820 6205	2910 6405	3000 6610	3120 6870	3240 7130	3350(H) 7390(H)		
255/70R22.5	DUAL	kg lbs.	1630 3585	1710 3765	1800 3970	1860 4110	1940 4275	2000 4410	2020 4455	2090 4610	2120 4675	2230 4915	2300(H) 5070(H)		
	SINGLE	kg lbs.	1730 3815	1820 4005	1900 4190	1980 4370	2060 4550	2120 4675	2220 4895	2300 5065	2360 5205	2450 5400	2500(H) 5510(H)		
275/70R22.5	DUAL	kg lbs.	1750 3865	1870 4120	1950 4315	2070 4560	2150 4745	2260 4990	2350 5170	2420 5350	2530 5585	2610 5760	2720 5995	2800 6170	2900(J) 6395(J)
	SINGLE	kg lbs.	1910 4200	2030 4475	2130 4685	2250 4955	2340 5155	2460 5420	2550 5615	2640 5810	2750 6065	2840 6255	2950 6510	3040 6700	3150(J) 6940(J)
295/75R22.5	DUAL	kg lbs.	1860 4095	1950 4300	2060 4540	2130 4690	2220 4885	2300 5070	2390 5260	2470 5440	2575(G) 5675(G)	2680 6220	2820 6220	3000 (H) 6610 (H)	
	SINGLE	kg lbs.	2040 4500	2140 4725	2240 4940	2340 5155	2440 5370	2500 5510	2620 5780	2710 5980	2800(G) 6175(G)	2950 6500	3100 6830	3250 (H) 7160 (H)	
315/80R22.5 RM185 HH	DUAL	kg lbs.	2310 5095	2420 5345	2575 5675	2650 5840	2750 6070	2900 6395	2970 6545	3070 6770	3150 6940	3270 7210	3450(J) 7610(J)		
	SINGLE	kg lbs.	2540 5600	2660 5875	2800 6175	2910 6415	3030 6670	3150 6940	3260 7190	3370 7440	3450 7610	3590 7920	3750(J) 8270(J)		
315/80R22.5 RM230 HH+ RM230 WH	DUAL	kg lbs.	2310 5095	2420 5345	2575 5675	2650 5840	2750 6070	2900 6395	2970 6545	3070 6770	3150 6940	3270 7210	3450 7610	3580 7900	3750(L) 8270(L)
	SINGLE	kg lbs.	2540 5600	2660 5875	2800 6175	2910 6415	3030 6670	3150 6940	3260 7190	3370 7440	3450 7610	3590 7920	3750 8270	4150 9140	4540(L) 10000(L)
385/65R22.5	SINGLE	kg lbs.	2880 6380	3060 6720	3150 6940	3350 7350	3470 7650	3650 8050	3740 8230	3850 8510	4000 8820	4100 9050	4250 9370	4380 9650	4500(L) 9920(L)
425/65R22.5	SINGLE	kg lbs.	3430 7590	3640 7990	3750 8270	3980 8740	4130 9100	4250 9370	4440 9790	4580 10100	4750 10500	4880 10700	5150(L) 11400(L)		
11R24.5	DUAL	kg lbs.	2110 4660	2210 4870	2300 5070	2390 5260	2500 5510	2580 5675	2660 5840	2725(G) 6005(G)	2820 6205	2910 6405	3000(H) 6610(H)		
	SINGLE	kg lbs.	2190 4820	2300 5070	2410 5310	2520 5550	2650 5840	2770 6095	2890 6350	3000(G) 6610(G)	3080 6790	3160 6970	3250(H) 7160(H)		
12R24.5	DUAL	kg lbs.	2300 5080	2400 5300	2500 5520	2600 5730	2650 5840	2770 6095	2890 6350	3000 6610	3080 6790	3160 6970	3250(H) 7160(H)		
	SINGLE	kg lbs.	2380 5240	2500 5520	2630 5790	2740 6040	2900 6395	3020 6650	3140 6910	3250 7160	3350 7380	3450 7600	3550(H) 7830(H)		
285/75R24.5	DUAL	kg lbs.	1870 4135	1970 4340	2060 4540	2150 4740	2240 4930	2360 5205	2410 5310	2490 5495	2575(G) 5675(G)				
	SINGLE	kg lbs.	2060 4545	2160 4770	2240 4940	2360 5210	2460 5450	2575 5675	2650 5835	2740 6040	2800(G) 6175(G)				



ROADMASTER TIRES
ENGINEERED BY COOPERTIRES

STANDARD LIMITED WARRANTY

REPLACEMENT ALL-STEEL RADIAL TRUCK TIRES

ELIGIBILITY

This warranty applies to the original purchaser of a Roadmaster All-Steel Radial truck tire and is not transferable. Eligible tires must be purchased new and used on the vehicle which they were originally installed. Proof of purchase is required for all warranty claims. Additionally, they must be the size, load index, and speed rating equivalent or greater than that specified by the vehicle manufacturer. This warranty applies to the 48 contiguous continental United States, District of Columbia and Canada. For warranty exclusions see "WHAT ISN'T COVERED".

WHAT IS COVERED AND FOR HOW LONG

Roadmaster warrants to the original purchaser that if a Roadmaster tire becomes unserviceable due to an eligible adjustable condition during the tread life (defined below), the tire will be replaced with an equivalent new Roadmaster tire. A replacement charge (defined below) will be required in order to obtain a replacement tire.

OTHER THAN FIRST QUALITY TRUCK TIRES

Roadmaster All-Steel Radial truck tires branded "BLEMISH" (non-uniform) have the same warranty as first quality tires except for ride complaints and the appearance or other conditions which caused the tires to be classified as other than first quality. Tires branded "NON-ADJ" (non-adjustable) are not covered by this Warranty.

TREAD LIFE

When the tread becomes worn down to 2/32" (1.6 mm) anywhere on the tire (shown by tread wear indicators molded into the tread grooves) the tire is worn out and this warranty ends. Driving habits, driving conditions, tire and vehicle maintenance all play a part in the tread life of a tire and all differ with each purchaser. **WARNING** - for important safety information, you must read the section titled "Tire Service Life" and the Tire Safety Warnings section of this guide. Safety information is also located at www.roadmastertires.com (and select: "Tire Safety"); and, from your dealer.

REPLACEMENT CHARGE

The Replacement Charge will be determined by multiplying the dealer's current selling price by the percentage of original tread depth worn from the tire. You must pay for mounting, balancing and any other additional charges, such as taxes or the acceptance of a higher priced replacement tire.

CASING ALLOWANCE

In normal highway service and off-road service, if within **six (6) years** of date of manufacture a Roadmaster All-Steel Radial medium truck tire becomes unserviceable and is not retreadable due to an adjustable condition in the casing, or if it does not provide two (2) retreads of service it is eligible for the applicable casing allowance specified:

First Retread = \$90.00 Second Retread = \$60.00	First Retread = \$60.00 Second Retread = \$30.00	First Retread = \$30.00 Second Retread = \$15.00
11R22.5 285/75R24.5	255/70R22.5	215/75R17.5 225/70R19.5
11R24.5 315/80R22.5	275/70R22.5	235/75R17.5 245/70R19.5
12R22.5 385/65R22.5	10R22.5	245/70R17.5 265/70R19.5
12R24.5 425/65R22.5	245/75R22.5	285/70R19.5
295/75R22.5	265/75R22.5	

Radial truck tires branded "BLEMISH", "MAL-WEAR", "NON-UNIF" (non-uniform) or "NON-ADJ" (non-adjustable) are not eligible for a casing allowance.

HOW TO OBTAIN AN ADJUSTMENT

Tire adjustments must be presented to your local Roadmaster dealer. You must present this booklet, proof of purchase and be the original owner when requesting a replacement for your tire. See "WHERE TO GO FOR WARRANTY REPLACEMENT".

WHAT IS NOT COVERED

Adjustments will not be made for:

- Tires that become unserviceable due to:
 - Conditions resulting from road hazards, such as (A) impact damage, (B) cuts, (C) snags, or (D) punctures, or (E) vandalism.
 - Conditions such as, but not limited to, uneven, cupping, spotty, feathering tread wear resulting from (A) improper installation, (B) wheel misalignment, (C) tire/wheel assembly imbalance, (D) use of an improper rim, (E) improper mounting or dismounting or (F) misapplication, or (G) use of chains.
 - Conditions resulting from consumer damage, such as (A) improper tire and vehicle maintenance, (B) misuse, (C) abuse, (D) accident, fire or chemical corrosion, (E) underinflation, (F) overloading, (G) over deflection, (H) failure to follow recommended rotation practices.
- Ride complaints after the first 2/32" (1.6mm) of tread wear on the original factory tread. Tread wear within the first 2/32" (1.6mm) will be credited on a pro-rated basis for the original Roadmaster factory tread.
- Ride complaints on tires branded "Blemish", "Mal-Wear", "Non-Uniform, or "Non-Adjustable".
- Use in any racing applications.

E. Ozone or weather checking on tires over (4) four years from date of manufacture or date of purchase. Proof of purchase is required. Without proof of purchase the manufacture date will be used to determine eligibility.

F. Tires stored improperly., OR

G. Tires that are:

- Worn unevenly and/or show a difference of 2/32" (1.6mm) between the grooves.
- Installed on any vehicle other than the vehicle on which they were first installed.
- Sold or adjusted outside the 48 contiguous continental United States, District of Columbia and Canada.
- Acquired as used (tires purchased used or retreaded, equipped on a pre-owned vehicle, etc.).
- Altered in any manner (additional siping, buffing, stud pin holes, re-grooving, truing, etc.).
- Worn to 2/32" (1.6mm) or more than 72 months old (based on original date of purchase) whichever comes first. Proof of purchase is required. Without proof of purchase the manufacture date will be used to determine eligibility.
- Improperly repaired or with repairs not conforming to the Rubber Manufacturer's Association standards.

NO ROAD HAZARD COVERAGE

Many dealers sell or provide their own warranty coverage for road hazards and/or repairs. Roadmaster Tire does not provide this coverage. Check with your dealer to determine if Road Hazard/Repair coverage is available from them.

REPLACEMENT WARRANTY

If you receive a replacement tire under the terms of this Warranty, the replacement tire will be covered by the Warranty then currently given by Roadmaster for the replacement tire.

WHERE TO GO FOR WARRANTY REPLACEMENT

See your Roadmaster dealer. They are listed in the yellow pages under Tire Dealers-Retail. In the event you are unable to locate a Roadmaster dealer, you can obtain assistance by contacting the Consumer Relations Department, telephone number 1-800-822-8686. You may also visit us at www.roadmastertires.com.

CONDITIONS AND EXCLUSIONS

Any tire, no matter how well constructed, may fail in service or otherwise become unserviceable due to conditions beyond the control of the manufacturer. Nothing in this Warranty is intended to be a representation by Roadmaster that tire failure cannot occur.

TIRE SERVICE LIFE

Roadmaster recommends that all passenger, light truck and commercial tires, including full-size spare tires, that are beyond 10 years from their date of manufacture, be replaced with new tires. Tires that are 10 or more years old should be replaced even if the tires appear to be undamaged and have not reached their tread wear limits. In some cases, a vehicle manufacturer may make a recommendation for tire replacement earlier than 10 years for their products based upon their understanding of the specific vehicle characteristics and application. If so, you should follow those vehicle manufacturer's specific recommendations for their vehicle.

CONSUMER RIGHTS

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

OWNER'S OBLIGATION

When making a claim, you must return the tire to be replaced to your Roadmaster dealer.

Proper vehicle and tire care is necessary to obtain the expected wear from a tire. It is your obligation to properly maintain your tires and the vehicle upon which they are mounted, including: (A) operating your tires at the inflation pressures recommended by the vehicle manufacturer, (B) keeping your tire/wheel assemblies in balance, (C) proper wheel alignment, and (D) rotation. You must check your tire's inflation pressure at least monthly and before long trips.

We recommend that you have your Roadmaster dealer inspect your tires any time you notice irregular or uneven tread wear and rotate them, if necessary. Also, they should be inspected by your dealer any time your vehicle is brought in for service.

For additional safety information please visit:

www.rma.org www.nhtsa.gov www.safercar.gov www.nsc.org
www.rubberassociation.ca www.tc.gc.ca

ROADMASTER TIRE
P.O. BOX 550
FINDLAY, OHIO 45839

Visit our website at: www.us.coopertire.com
1-800-854-6288



COOPER CARES-PONDENCE

Consumer Relations • 701 Lima Avenue • Findlay, OH 45840-2315
419 423.1321 • cooperire.com

To: All Commercial Truck Tire Customers

No. 222

Subject: Dealer Safety Information Checklist & Reminder for Medium Truck Tires

Here at Cooper Tire & Rubber Company we constantly strive to provide you with great service and value. Continuously providing you with safety information goes beyond just the point of sale. Keeping you well informed and up-to-date on tire safety issues is important. This Cares-pondence is a reminder of a few important subject areas that can help keep you, your employees and customers safer.

It is essential that you and each of your employees take a few minutes to understand the following information and to pass on vital safety information to your customers and sub-dealers, so they can keep up to date as tire professionals to better serve our consumers and their needs...and for better work place management.

OSHA Regulations:

OSHA Regulation 29 CFR 1910.177 on Servicing Multi-piece and Single-Piece Rim Wheels on trucks, trailers, buses, and off-road vehicles is the source of regulations for proper equipment, mounting and dismounting procedures, and training requirements. It also gives requirements for maintenance and review of documented training. It does not apply to passenger and light truck service using automobile tires or "LT" tires. The website is "OSHA regulation 29 CFR 1910.177".

RMA Wall Charts

If you perform medium truck tire service at your location, the appropriate wall charts for medium truck service locations are an OSHA requirement and serve as a source of awareness, training, industry standards, and education for you and your employees. In the unfortunate event of a work place accident or injury, failure to have these charts on display may result in fines.

- Charts needed for medium truck service include:
 - Zipper Rupture
 - Puncture Repair Procedures for Truck/Bus Tires
 - Dismounting and Mounting Procedures for Truck/Bus Tires
 - Multi-piece Rim Matching Chart
- Additional charts are needed for shops that also provide passenger/light truck service.

All RMA wall charts can be ordered on-line at www.rma.org.

Proper Truck Tire Repair

The puncture repair injury limit is 3/8" in the tread area for truck/bus tires with a load range of F and higher. The tire must be removed from the wheel for a thorough inspection for any internal damage. The repair must include a patch for the inner-liner and an insert to fill the injury. Never substitute an inner tube for a repair. Tire repair should be done only by trained personnel.

FAILURE TO FOLLOW THE RMA RECOMMENDED PROCEDURES COULD LEAD TO SUDDEN TIRE FAILURE!

Training Requirements

The employer shall provide training and assure that each employee demonstrates and maintains the ability to service rim wheels safely, including the following tasks:

- Demounting of tires
- Inspection and identification of wheel components
- Mounting tires
- Use of a restraining device or barrier
- Handling of rim wheels
- Inflation of single piece rim wheel mounted on a vehicle
- Understanding of the necessity of standing outside the potential trajectory area
- Installation and removal of rim wheels
- Employer must continuously evaluate each employee's ability to perform these tasks.

Restraining Device

The employer must provide a restraining device to be used when inflating medium truck tires. Each restraining device must also include the following items:

- A clip-on chuck
- An in-line valve with a pressure gauge or pre-settable regulator
- A sufficient length of hose between the chuck and valve to allow the employee to be outside the potential trajectory area.

Zipper Rupture procedures (ZIP-0108)

Employers must display the "Zipper Rupture" wall chart and train the employees on all the warnings. A restraining device with a clip on chuck, an in-line valve with a pressure gauge, and sufficient length of hose to allow the employee to be outside the potential trajectory area is required to test inflate these tires. The process outlined on the wall chart must be followed.

- Step 1: Inspect the tire and look for punctures, cuts, snags, or bulges
- Step 2: Mount and inflate with the valve stem removed in a restraining device to 20psi and inspect the tire for distortions or undulations. If any of these conditions exist, stop, deflate the tire, and remove the tire from service.
- Step 3: If the inspection is good, inflate the tire in the cage to 20psi over the maximum inflation pressure molded on the sidewall of the tire with the valve core still removed. On light truck and medium truck applications inflate to 20psi over the maximum pressure molded on the sidewall, BUT DO NOT EXCEED 120psi. On bus and refuse applications inflate to 20psi over the maximum pressure that is molded in the sidewall, BUT DO NOT EXCEED 140psi. Listen for snapping, popping or crackling sounds, and look for undulations in the sidewall. If any of these conditions exist, stop, deflate the tire, and remove the tire from service. If none of the conditions are present remove the clip-on air chuck, install a valve core and adjust the inflation to the recommended operating pressure.

Tire Maintenance and Inspections

Tires and wheels/rims should be thoroughly inspected on a regular basis, before each trip and daily during continuous service, with special attention to inflation pressures.

- Inflation pressures should be checked, with a reliable tire pressure gauge, and corrected to the proper pressure, when tires are cooled to the outdoor temperature.
- It is normal for the pressure in a tire to increase as the tire heats up in service. The amount of pressure increase will be affected by the tire size, type and operating factors such as speed, load, distance traveled and surrounding temperatures. Generally, a build-up of 1- to 15 psi should be expected. **Do not reduce this pressure by bleeding. It will return to normal when the tire cools.**
- If a hot tire shows less than recommended cold inflation pressure, the tire is underinflated. Inflate to recommend cold inflation pressure plus an additional 10 psi. As soon as the tire cools, recheck and set pressure to the recommended level. **Never** re-inflate a tire that is seriously underinflated without disassembly and internal examination. Check the tire, tube, valve, and rim for damage.

Tire Registration Cards

Even if you do not mail the registration cards for the consumer, you are required by Federal law to supply a registration form completed with the dealer name, dealer address and DOT tire identification code for each tire(s) sold.

- Under the TREAD ACT if you fail to comply with registration standards you may face a penalty of up to \$5,000 for each offense, and up to a maximum of \$15 million.
- Tires registration can be handled by the dealer or the consumer using the mail in cards found in the back of the Cooper/Mastercraft warranty booklet or with a generic tire registration card or on-line at www.coopertire.com or www.mastercrafttires.com
- Cooper Tire would encourage you to register all tires sold on-line at www.coopertire.com
- Remember – if your customers do not complete and mail or register on-line their tire purchase, they cannot be notified in the event of a recall.

Truck Tire Warranty Tri-fold

The warranty tri-fold brochure describes in detail what is and is not covered under the Cooper Tire warranty.

In addition, these tri-folds contain valuable safety and maintenance information that consumers should be aware of.

- A warranty tri-fold must be provided to the consumer with each tire sale
- Tire registration can be handled by the dealer or the consumer using the mail-in cards found in the back of the warranty booklet or on-line at www.us.coopertire.com or www.mastercrafttires.com
- Cooper Tire would encourage you to register all tires sold on-line at www.us.coopertire.com

If you have any questions concerning these topics or require additional information please contact Consumer Relations at 1-800-854-6288

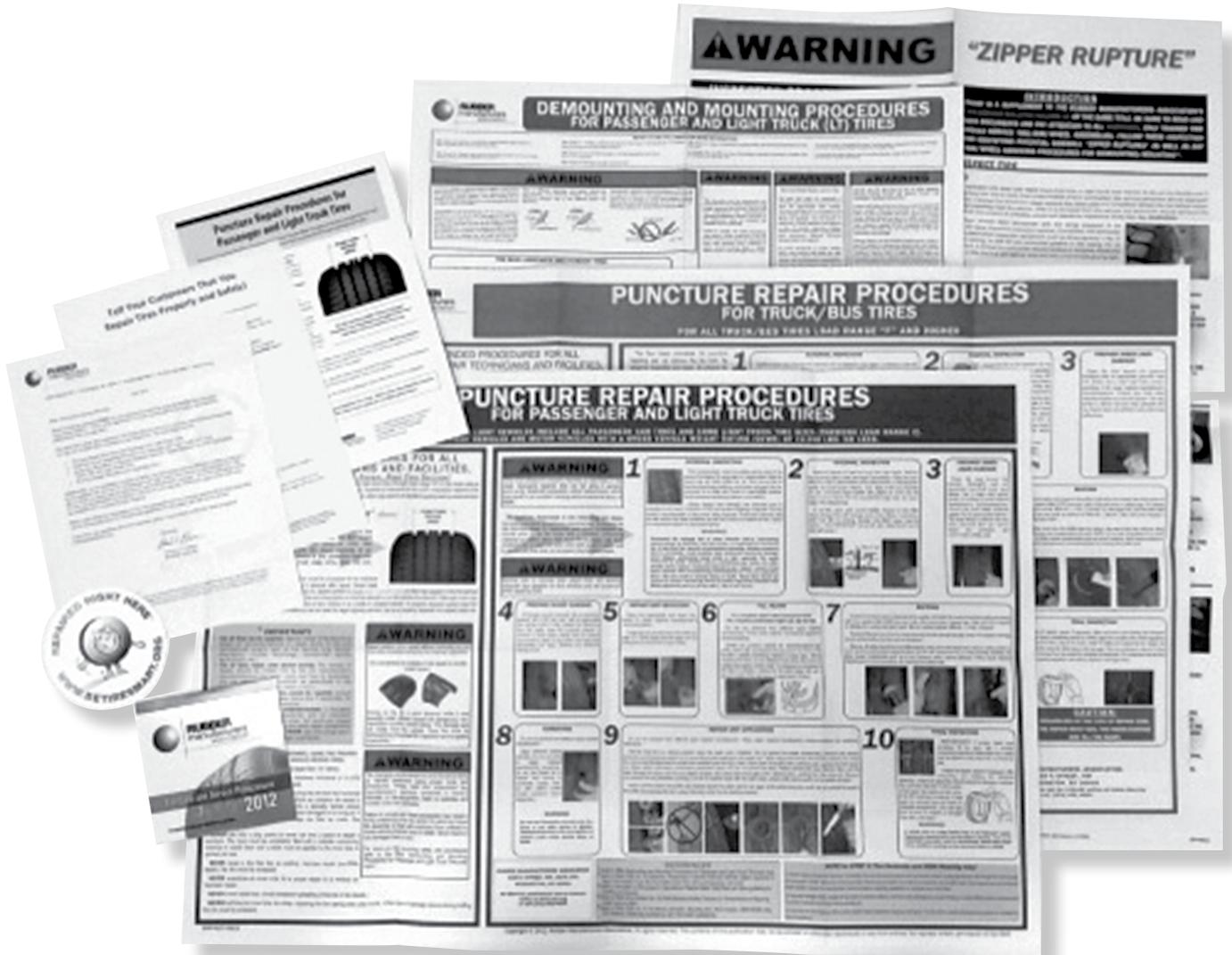
If you wholesale tires to other dealers (sub-dealers), each one must receive a copy of this Cares-pondence. For Cooper and other House brand distributors, you can order additional copies of this Cares-pondence through Workflowone by calling 1-877-314-1620 or through their website at www.coopertireadstore.com.

If you are a private brand distributor you can order additional copies of this Cares-pondence or other materials through the Consumer Relations Department, Cooper Tire & Rubber Company, Findlay, Ohio 45840 or call 1-800-854-6288.

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RMA Reference Materials

Cooper Tire offers RMA tire care and service materials that should be used as service and training resources for both you and your employees. This packet includes instructional wall charts for tire repairs, mounting and demounting, zipper ruptures and more. Call or visit (877) 314-1620 or coopertire@workflowone.com and ask for product #60H011012 for additional copies.



SERVICE BULLETIN

No. 99

TECHNICAL BULLETIN

RECOMMENDED TIRE PRESSURES

FOR LONG HAUL APPLICATION AT 80,000 LBS. MAXIMUM GVW

DRIVE & TRAILER TIRES:

FOR LONG HAUL APPLICATION AT MAXIMUM GVW (17,000 LBS. PER DRIVE/TRAILER AXLE) IT IS RECOMMENDED TO USE THE FOLLOWING INFLATION PRESSURES FOR DUALED DRIVE AND TRAILER TIRES:

85 PSI FOR SIZES: 11R22.5, 11R24.5, 295/75R22.5, 285/75R24.5

100 PSI FOR THE 255/70R22.5 SIZE

STEER AXLE TIRES:

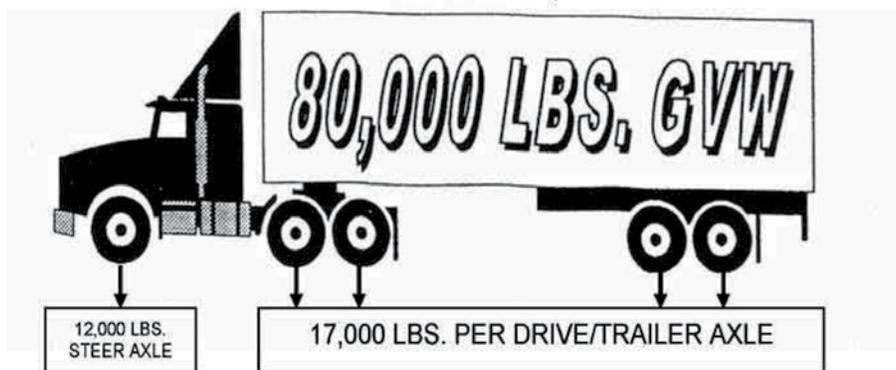
FOR LONG HAUL APPLICATION USING 12,000 LBS. MAX. STEER AXLE WEIGHT IT IS RECOMMEND TO USE THE FOLLOWING INFLATION PRESSURE FOR STEER TIRES:

100 PSI FOR SIZES: 11R22.5, 11R24.5, 295/75R22.5, 285/75R24.5

NOTE: ALWAYS CHECK & ADJUST INFLATION PRESSURES WHEN TIRE IS COLD.

FOR APPLICATIONS OTHER THAN LONG HAUL, OR LONG HAUL OTHER THAN 80,000 LBS. GVW CONSULT YOUR TIRE MANUFACTURER.

TYPICAL AXLE LOADS FOR 80,000 LBS. GVW



$$12,000 \text{ lbs.} + 4 \text{ axles} \times 17,000 \text{ lbs.} = 80,000 \text{ lbs.}$$

CONSUMER RELATIONS

COOPER TIRE

Proper inflation pressure is one of the most important maintenance practices to achieve long tire life.

- EQUAL INFLATION PRESSURE ON DUAL ASSEMBLIES IS ESSENTIAL FOR BALANCED WEAR AND DURABILITY.
- PERFORM WEEKLY INFLATION CHECKS WITH A CALIBRATED PRESSURE GAUGE.
- LOAD & INFLATION TABLES CAN BE OBTAINED FROM COOPER TIRE FOR DETERMINING THE PROPER TIRE PRESSURES. TIRE & RIM ASSOCIATION SETS THESE STANDARDS.
- UNDERINFLATION CAN –
 - REDUCE CASING LIFE
 - CAUSE FAST WEAR
 - CAUSE IRREGULAR WEAR
 - REDUCE FUEL ECONOMY
 - CAUSE SUDDEN TIRE DESTRUCTION
- OVER INFLATION CAN –
 - DECREASE RESISTANCE TO PUNCTURES & IMPACTS
 - REDUCE TIRE FOOTPRINT SIZE
 - CAUSE IRREGULAR SHOULDER WEAR
 - CAUSE IMPROPER HANDLING
 - CAUSE RIDE & HANDLING DISTURBANCES
 - CAUSE REDUCED TRACTION
- SHOULD THERE BE ANY QUESTIONS, PLEASE CONTACT OUR CONSUMER RELATIONS DEPARTMENT AT 1-800-854-6288.

For a book including all Cooper Tire Service Bulletins please call or visit (877) 314-1620 or coopertire@workflowone.com and ask for product #860-P84-6616.

SERVICE BULLETIN

Service Bulletin #92
April 15, 1996

PROPER BEAD SEATING ON RADIAL MEDIUM TRUCK TIRES AND ITS EFFECT ON PERFORMANCE

An improperly seated bead creates uneven wear patterns, increases the chance for ride/vibration complaints, and creates additional stress in the bead area with the potential for tire failure.



Extreme stress may be placed on beads forced into the rim flange in a distorted manner, which may cause fatigue in tire components and result in tire failure.

During the mounting process, never assume the bead is seated when it appears to have moved against the rim flange: the beads may be only partially seated (see diagram). Make your service personnel completely aware of the proper techniques for correctly seating a bead in the mounting process. Train your service personnel to strictly follow the Rubber Manufacturers Association's "DEMOUNTING AND MOUNTING PROCEDURES FOR TRUCK/BUS TIRES", and emphasize the following steps:

1. **ALWAYS** check the rim for potential problems. Rusty or dirty rims should be cleaned thoroughly to ensure a clean bead seat area. Bent or cracked rims should be destroyed and replaced.
2. **ALWAYS** lubricate both beads and both rim flanges with an accepted lubricant.

CONSUMER RELATIONS

COOPER TIRE

3. ALWAYS be sure to inflate the tire/rim assembly in a safety cage or other approved restraining device. NEVER inflate beyond 5 psi before placing the tire/rim assembly in the restraining device. Use a clip-on air chuck and remain out of the trajectory path (extending outward from both sidewalls).
4. ALWAYS be sure the tire is properly seated by checking to see that the distance between the rim flange and the aligning ring is uniform around the complete circumference on both sides of the tire. If this is not the case, the tire/rim assembly must be broken down and the procedure started over.

**MOUNTING TIRES IS DANGEROUS -
FAILURE TO FOLLOW THE ABOVE AND RMA'S
"DEMOUNTING AND MOUNTING PROCEDURES
FOR TRUCK/BUS TIRES" CHART AND SAFETY
PRECAUTIONS CAN RESULT IN SERIOUS INJURY
OR DEATH**

If you sell radial medium truck tires to other dealers (sub-dealers) or fleet accounts, each should receive a copy of this Service Bulletin. Please advise Cooper or your supplier of the number of Service Bulletins that are needed for your sub-dealers and we will provide them to you at no charge. You may order this Service Bulletin through the Consumer Relations Department, Cooper Tire & Rubber Company, Findlay, Ohio 45840. Should you wish to order copies of RMA's "Demounting and Mounting Procedures for Truck/Bus Tires" chart, you should contact RMA at the following address:

**PUBLICATIONS DEPARTMENT, RUBBER MANUFACTURERS ASSOCIATION
1400 K STREET, N.W.
WASHINGTON, D.C. 20005
PHONE 800-325-5095**

GOVERNMENT STANDARDS FOR COMMERCIAL TRUCK TIRES

OSHA Standard No. 29, CFR Part 1910.177 – Tires and rims can be very dangerous if misused or worn out. Many fatal accidents result from improper handling of and operation with truck rims and wheels. As a result, the U.S. Occupational Safety and Health Administration (OSHA) has issued standards regarding wheel and rim servicing, “Servicing Single-Piece and Multi-Piece Rim/Wheel.” It is of the utmost importance that the precautions and instructions outlined in the OSHA standards be followed by all persons servicing single-piece truck wheels to avoid personal injuries and damage, as well as comply with Federal regulations. A complete copy of OSHA Standard No. 29, CFR Part 1910.177 which includes servicing multi-piece as well as single piece rims/wheels is available by contacting:

Tire Industry Association (TIA)
1532 Pointer Ridge Place
Suite G
Bowie, MD 20716-1883
240-544-1270 or 800-876-8372 x100

www.tireindustry.org

DOT Regulations Regarding Tires – The Federal Motor Carrier Safety Regulations book is updated monthly and designed to provide employers and employees of the commercial motor vehicle industry reasonably accurate information regarding the expectations of the Department of Transportation.

Tread depth for any tire on the front wheels of a bus, truck or truck tractor must have a tread depth of at least 4/32nds of an inch when measured at any point on a major tread groove. All other tires on the vehicle must have a tread depth of at least 2/32nds of an inch when measure at any point on a major tread groove. If any measurements are at or below these depth requirements in any part of the tread, the tire should be removed from service immediately.

For details with regard to tire conditions, tread depth, regrooved tires, load ratings and inflation pressure see Part 393.75, Tires of the Federal Motor Carrier Safety Regulations book.

Radial Tire & Disc Wheel Service Manual – The Technology & Maintenance Council (TMC) publishes the procedures manual covering tubeless truck radial tires and disc wheels. The material in this manual covers many topics including but not limited to regrooving, repairs, safety procedures, tire / wheel / rim maintenance and basic tire and wheel information. For information on obtaining copies of the guide, contact:

Technology & Maintenance Council
American Trucking Associations
2200 Mill Road
Alexandria, VA 22314
(703) 838-1763
tmc@trucking.org
<http://tmc.trucking.com>

or
ATA Marketplace
(800) ATA-LINE
<http://www.truckline.com/store>

NECESSARY COMMERCIAL TRUCK TIRE AND VEHICLE SAFETY REFERENCES

The purpose of this section of the product manual is to provide tire service buyers, professionals and end users an understanding of the many factors that are essential to the proper care and service of truck and bus tires.

This is not all inclusive and is not intended to eliminate in-depth, practical training, especially in areas such as: tire mounting and demounting, tire and wheel balancing, tire retreading, tire pressure monitoring systems (TPMS) and tire repairing. Personnel that service tires must receive professional training and certification. Tire manufacturers and industry organizations provide comprehensive, hands-on training programs for tire service professionals. For more information on TIA Certified Commercial Tire Service Technician Programs, please contact TIA at www.tireindustry.org or call 800-876-8372 x107.

"WARNINGS" and "CAUTIONS" contained in all tire publications are important and must be followed. Questions pertaining to specific products or pieces of service equipment should be addressed directly to the manufacturer of that product.

Truck tires are designed and manufactured to meet strict governmental requirements, internal company standards, vehicle performance characteristics and driver expectations. Modern tire technology blends a unique mix of chemistry, physics and engineering to give drivers a high degree of tire performance that provides safety, reliability, efficiency, long wear and comfort. Tires are manufactured, inspected and tested to assure safety and satisfaction. As a result, properly cared-for tires will provide a longer service life.

The Most Important Factors In Truck Tire Safety, Performance and Service Life Are:

- PROPER TIRE SIZE, TYPE, AND LOAD CAPACITY (LOAD RANGE)
- PROPER INFLATION PRESSURE
- PROPER TIRE AND WHEEL ALIGNMENT
- PROPER TIRE AND WHEEL BALANCE
- PROPER LOADING OF THE VEHICLE
- PROPER TIRE REPAIRS
- VEHICLE CONDITION AND MAINTENANCE
- GOOD DRIVING HABITS

Tire and wheel servicing can be dangerous and if done improperly could cause serious injury if not death. Servicing tires should only be done by qualified and trained personnel, while using proper tools and practicing the proper procedures. Always follow the procedures and safety precautions displayed in the RMA "Demounting and Mounting procedures for Trucks / Bus Tires" and "Inspection procedures for identification of potential zipper ruptures in steel cord radial medium and light truck tires" charts and service bulletins.



Inflation Pressure – Maintaining proper inflation pressure in tires is the single most important factor in extending tire life. Over and under inflation have negative affects on the tire by changing the tire's footprint, which is the area contacting the road. When the tire is not contacting the road as design intended, the tread area will wear irregularly and therefore rapidly wear the tread surface. Likewise, it is air and not the tire that actually carries the load and absorbs shock. Any condition causing the tire to flex as it is rolling down the road causes heat build up that can cause tire components and steel cord damage.

Correct inflation pressure for a vehicle is determined by the load carried for each tire. Refer to the load and inflation table in this book to determine the proper pressure required.



WARNING

Driving on tires with improper inflation pressure is dangerous.

- Under inflation causes excessive heat buildup and internal structural damage.
- Over inflation makes it more likely for tires to be cut, punctured or broken by sudden impact.

These situations can cause a tire failure, including tread / belt separation, even at a later date, which could lead to an accident and serious personal injury or death.

Consult the vehicle tire placard, certification label, owner's manual and/or the Tire & Rim Association Load and Inflation tables for the recommended inflation pressures.

Zipper Rupture – A line of exposed broken cords that usually measures 12 inches or more located in the mid- to upper sidewall of the tire. The rupture resembles a zipper and is usually caused by under inflation leading to fatigue. A tire with this condition should be approached with caution and evaluated by a qualified technician.

Permanent tire damage due to under inflation and / or overloading cannot always be detected. A tire known or suspected to have been run at 80% or less of normal operating inflation pressure and / or overloaded, could possibly have permanent structural damage (steel cord fatigue). Ply cords weakened by under inflation and / or overloading may break one after another, until a rupture occurs in the upper sidewall with accompanying instantaneous air loss and explosive force. This can result in serious injury or death.

M+S Rated – This mark is commonly found on lug-type drive tires. In several formats, the letters "M" and "S" indicate the tire is intended for limited mud and snow service. Other formats include: "MS," "M/S," or "M&S."

Tubeless – The tire must be marked either "tubeless" or "tube type."

Regroovable – All Roadmaster branded tires are molded as "Regroovable". A tire that is marked as regroovable indicates the tire (either original tread or retread) is designed and constructed with sufficient tread material to permit renewal of the tread pattern, or the generation of a new tread pattern in a manner which conforms to federal regulations. Tires with 2/32" or less of tread depth, or displaying irregular wear should never be regrooved nor should regrooved tires be placed on the front axle. For more information on regulations that apply specifically to regroovable tires, see U.S. Code of Federal Regulations: Title 49, Transportation; Parts 569 and 393.75.

Tire ply composition and material used – This identifies the number of plies and the type of cord materials in the tire tread and sidewall areas. A bias ply tire typically has multiple plies in the sidewall, versus an all-steel radial tire, which generally has a single sidewall ply. The body ply(s) functions as the structure of the tire and provide the strength to contain the inflation pressure.

Maximum load carrying capacity at maximum cold inflation pressure – If the tire size is one that can be used as either a single application (such as on the steering axle) or as a dual application (such as on a drive or trailer axle), a maximum load and maximum cold inflation will be stated for each application. In this example of a 295/75R22.5 load range G with a 144/141L service description, molded in the sidewall would be:

MAX LOAD SINGLE 2800 kg (6175 lbs.) AT 760 kPa (110 psi) MAX PRESSURE COLD

MAX LOAD DUAL 2675 kg (5675 lbs.) AT 760 kPa (110 psi) MAX PRESSURE COLD

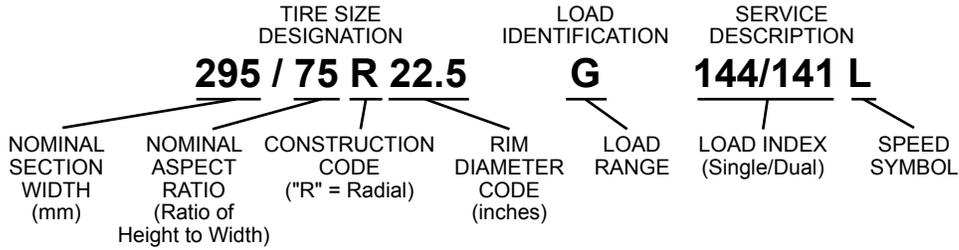
... indicating the maximum load of the tire and the corresponding maximum cold inflation pressure for that load when used as a single and dual applications. Sidewall markings are given in both metric and imperial units.

It is very important that you always follow tire inflation pressure recommendations based on actual loads carried by the individual tires. Using the load and inflation charts in this book or the Tire and Rim Association's Year Book, the load capacity at the required cold pressure for a single tire or for each tire of a dual assembly can be determined.

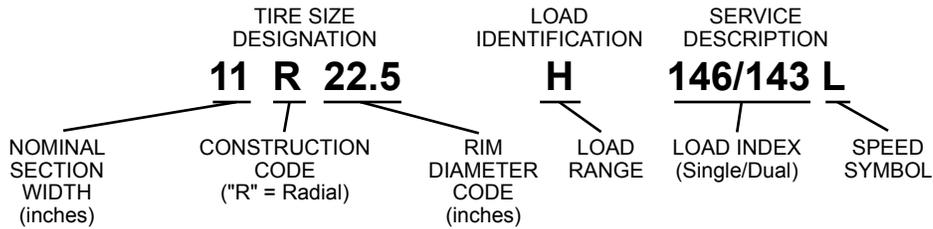
TIRE SIZE DESIGNATIONS

The following is an explanation of size designation systems presently in use for Roadmaster truck tires:

METRIC SIZE DESIGNATED TIRES:



CONVENTIONAL SIZE DESIGNATED TIRES:



295 / 75 R 22.5 – Indicates that the size designation is for a metric size radial truck tire. An aspect ratio number, typically ranging from 50 to 85, in a truck tire size designation indicates the ratio of the tire section height to section width. In the example, a tire with an aspect ratio of 75, the section height of the tire is 75% of the section width. Aspect ratios are also referred to as “series” and “profile” numbers.

Radial – A tire with a radial construction must show the word “RADIAL” on the sidewall. A radial tire is also delineated by the character “R” in the size designation. Other tire size suffix letters are included, when necessary, as part of the tire size to differentiate between tires for service conditions which may require different loads and inflations and/or tires, which must be used on different type rims. (Example: 7.50-15LT, 7.50-15ST, 7.50-15NHS, 7.50-15TR)

- LT – Light truck
- ST – Special trailer
- TR – Tires for service on trucks, busses or other heavy vehicles. This suffix is intended to differentiate between truck tires and light vehicle tires with similar size designations.
- ML – Mining and logging tires used in intermittent highway service.
- MH – Tires for mobile homes.
- HC – Identifies a 17.5 rim diameter code tire for use on low platform trailers.
- NHS – Not for highway service.

Load Index – The load index is a numerical code (144/141 in the example) associated with the maximum load a tire can carry at the speed indicated by its speed symbol under specified service conditions. The numeric load index is a code generally ranging from 100 to 170 that represents the maximum load carrying capacity. In the example, single and dual application load indices are listed. The maximum weight (load carrying capacity) is also stamped on the lower sidewall of the tire.

Speed Symbol – The speed symbol is a letter indicating the speed at which a tire has been tested to carry a load corresponding to its load index. In the example above, the speed symbol L in the service description means a maximum speed rating of 75 miles per hour. Excessive speed is not only unlawful and may cause injury, but inflation pressure needs to be adjusted while carrying capacities decrease. Consult the rim/wheel manufacturer for rim/wheel load and inflation capacities.

Speed Rating Symbols		
	mph	km/h
F	50	80
G	55	90
J	62	100
K	68	110
L	75	120
M	81	130

TIRE SPECIFICATION DEFINITIONS

Buff Radius & Buff Width – The buffed surface curvature from shoulder to shoulder, all the way around the tire. Used when retreading a radial tire casing.

Dual Spacing – Minimum distance allowed between the wheel's center line in a dual application.

Maximum Air Pressure (psi) – Also referred to as inflation pressure, correct inflation pressure for a vehicle is determined by the load carried for each tire. Refer to the load and inflation table in this book to determine the proper pressure required.

Overall Diameter – Twice the section height (unloaded but inflated), plus the nominal rim diameter.

Revolutions Per Mile (REVs) – Measured as the number of revolutions a tire makes in a mile at 55 mph, maximum inflation pressure and maximum dual load. REVs will vary with a change in the speed, inflation and load.

Rim Width – The measurement on the inside of the rim between the two flanges.

Section Height – The height of a new tire from the nominal rim diameter to the top of the tread.

Section Width – The width of a new tire including normal sidewalls, but not including protective side ribs, bars or other decorations.

Static Loaded Radius – The distance from the centerline of the axle to the ground of a tire under maximum inflated pressure and maximum dual load.

Tread Depth – Measured from the tread's surface to the base of the tire grooves. Best if measured at the designated treadwear indicators as marked on the tire. This is also referred to as "non-skid."

It is a DOT violation for steer tires to be worn down to 3/32nds and for drive tires to be worn down to 2/32nds.



TREAD DESIGN SELECTION AND DEFINITIONS

Proper selection of tread design for an intended application will maximize the service life of the tire and minimize tire expenses. Tires of different sizes and construction should never be mixed on the same axle. Tires of different size, construction, dimension and design should not be matched in a dual application. Incorrect application will result in uneven wear, poor fuel mileage, tire and / or mechanical failures.



RIB TYPE



LUG TYPE



**SPECIAL SERVICE
MUD AND SNOW LUG TYPE**

Branding – Improper branding can result in tire failures. Sidewalls will typically have designated areas chosen for branding.

Long Haul & Highway – Usually considered “over-the-road,” traveling across the country.

Lug and Rib Lug-Type Tread – Also referred to as cross lug or cross rib lug-type tires, they are designed for drive wheel service and are suitable for most over-the-road operations. These tires provide maximum resistance to wear and greater traction in high torque service. They normally deliver more mileage than rib-type tires on drive wheel positions. They are suitable for some off-road traction as special service mud and snow lug-type tires.

Pick-up and Delivery Application – Typically refers to local delivery routes which constitutes much starting and stopping, cornering and hard braking creating wear and tear on tires and equipment.

Regional – Highway, urban and intercity with routes usually to neighboring states.

Retreadable – Retreading worn tires or purchasing retreaded tires can provide new tire dependability, service and performance at a fraction of the cost and conserve natural resources. Follow the prescribed maintenance and careful when regrooving which could damage the casings.

Rib-Type Tread – Typically referred to as “all-position” tires, unless otherwise designated and are for the steer or trailer axle positions. The circumferential groove design provides maximum steering control, good skid resistance and even treadwear on all wheel positions.

Special Service Mud and Snow Lug-Type Tread – Special service mud and snow lug type tires are designed for on- and off-the-road service. The tread on these tires is normally a more open design for higher traction. They should be used when intended service requires maximum traction in mud and/or snow.

FUEL EFFICIENCY

Tire Rolling Resistance – A tire's rolling resistance is responsible for approximately 20% of a tractor / trailer's fuel consumption. Tire rolling resistance is the force needed to roll the tire at a given speed while loaded.

Factors that affect tire rolling resistance:

- Speed – largest single variable
- Load – larger loads lower fuel efficiency
- Vehicle Type – airflow and rolling resistance contribute to vehicle drag
- Road Surface – smooth concrete versus chip / seal asphalt, and region to region
- Vehicle Alignment – a not aligned vehicle is literally dragging the tires down the road
- Proper Inflation Pressure – underinflated tires build up heat and cause irregular wear



SMARTWAY VERIFIED

SmartWay is a public / private collaboration between the U.S. EPA and the freight transportation industry that helps freight shippers, carriers, and logistics companies improve fuel-efficiency and save money. SmartWay-certified tractors and/or trailers are equipped with verified technologies. Cooper Tire's Roadmaster-branded truck tires that have been verified under the EPA's SmartWay program will deliver the fuel saving benefits intended by the program.

EPA has determined that certain tire models can reduce NOx emissions and fuel use by 3 percent or more, relative to the best selling new tires for line haul class 8 tractor trailers. These improvements are achieved under the following conditions:

- Tires are used on the axle positions stated on the SmartWay Verified Technologies list.
- Verified low rolling resistance tires are installed on all of the axle positions of the tractor and trailer.
- All tires must be properly inflated according to the manufacturer's specifications.

The state of California has taken SmartWay beyond the voluntary level for long haul trucks. California requires SmartWay low rolling resistance tires on all long-haul 53-foot or longer box-type trailers, including both dry-van and refrigerated-van trailers, and the tractors that pull them on California highways – regardless of where the vehicles are registered. See the timing requirements below for California:

Low Rolling Resistance Tires are Required on:

- All tractors that pull affected trailers
- Trailers model year 2011 and newer
- Trailers model year 2010 and older by January 1, 2017

The regulation does not apply to:

- Military tactical vehicles
- Curtain side vans
- Authorized emergency vehicles
- Solid waste vehicles
- Drayage tractors and trailers that operate within a 100-mile radius of a port or intermodal rail yard
- Drop frame vans
- Container chassis

Learn more about Smartway by visiting
www.epa.gov/smartway



Visit cooperworld.net for up-to-date spec information.

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