



TIRE SAFETY SOLUTION

INSTALLATION MANUAL





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Tire Balancing Procedure

IT IS NOT NECESSARY TO BALANCE A NEW TIRE after INSTALLING Tire Safety Solution IF the tire has been previously balanced.

If it becomes necessary to re-balance a tire due to time and wear on the tire or if the tire was improperly balanced in the first place, the following procedures MUST be followed.

RE-BALANCING A TIRE:

1. Place the tire on the balancer and spin it. DO NOT let this spinning motion stop. When the spin cycle has stopped, IMMEDIATELY re-engage the machine to spin again. Repeat the cycle until the reading is consistent. (It can possibly take ten or more cycles on some machines to achieve a consistent reading).
2. As quickly as possible after the tire stops spinning, apply the necessary weight to the inside of the tire.
3. Begin the spinning process again, not allowing the tire to stop spinning. (If the machine stops for any length of time, the solution can settle to the bottom of the tire and you could possibly have to start again).
4. When the readings are again constant, allow the tire to stop spinning and IMMEDIATELY apply the last weight.
5. Begin the process again. When the readings are consistently within the proper range (". 25-.00" or ". 25-.25") the tire is properly balanced.

BALANCING A NEW TIRE:

The preferred procedure is to balance the tire before installing Tire Safety Solution. Then you can install the product and no additional balancing is necessary.

In the event that a tire (new or used) must be balanced immediately after installing Tire Safety Solution, the following procedure must be followed:

1. After the new tire has been properly mounted, place it on the balancer and spin the tire. Inspect the tire and wheel to make sure there are no abnormalities, such as out of round, exterior sidewall bulging, or bent wheel.
2. Remove the tire from the machine and install the proper amount of Tire Safety Solution. Because the product must evenly spread over the interior surface of the tire, it is necessary, before balancing, to roll the tire several times on the floor at a 45-degree angle. This should be done on both sides.
3. Follow the procedures listed above for Re-Balancing a Tire.

In some rare circumstances, it is possible to notice a slight balance problem for the first five miles of driving after installing Tire Safety Solution. There is no reason for concern unless it continues after the first few miles of driving.

EXCLUSIONS

Please do not install these tires at this time!!!

Due to the interior design of the tire it will not allow proper distribution of product.

This design may cause instabilities in performance:

**ANY V OR Z RATED TIRE
or
ANY HIGH PERFORMANCE TIRE**



Installation Instructions

SET UP:

1. REMOVE 3 SCREWS FROM BASE OF PUMP.
2. ATTACH PLASTIC HOSE BRASS FITTING TO PUMP HANDLE.
3. REMOVE SCREW CAP AND CUT OUT PLASTIC TAB.
4. INSERT PUMP AND TWIST TO LOCK IN PLACE.
5. SCREW IN (3) SCREWS INTO BASE.
6. MIX WELL BY ATTACHING HOSE TO NIPPLE ON PUMP. (SEE #7).
7. PUMP THROUGH PLASTIC HOSE 15 TO 20 TIMES, BACK INTO PAIL THROUGH NIPPLE, TO ENSURE PRODUCT IS MIXED WELL.

INSTALLATION:

1. ONE FULL STROKE OF THE PUMP DELIVERS APPROXIMATELY SIX OUNCES OF TIRE SEALANT PRODUCT.
2. THE PUMP PISTON ROD IS MARKED INTO SECTIONS; EACH SECTION IS EQUAL TO APPROXIMATELY 1 OUNCE.
3. ALL TIRES MUST HAVE PRESSURE LOWERED TO 50 PSI OR LESS.
4. SET PRIMED PUMP NEXT TO TIRE. REFER TO NUMBER 6 & 7 ON SET UP
5. REMOVE VALVE CORE WITH VALVE CORE REMOVER.
6. ATTACH PLASTIC HOSE OVER VALVE STEM.
7. HOLD ON VALVE STEM WITH LEFT HAND.
8. RAISE PUMP HANDLE TO DESIRED OUNCE, AS NEEDED.
9. MAKE SURE THAT THERE IS NO AIR IN THE HOSE. THE PRODUCT MUST COVER THE HOSE.
10. SLOWLY PUSH PLUNGER DOWN. MAKE SURE YOU FEEL RESISTANCE AS PRODUCT ENTERS TIRE.
11. REMOVE PLASTIC HOSE BACK TO BASE OF PUMP.
12. SCREW BACK IN VALVE CORE. BE SURE IT IS TIGHTENED.
13. FILL TIRE BACK TO MANUFACTURERS' RECOMMENDED PSI. FOLLOW PROCEDURES FOR ALL TIRES.

IF PRODUCT IS NOT PROPERLY MIXED, IT CAN RESULT IN PROBLEMS.



List of Abbreviations Product Installation Manual

Abbreviations Used in Tire Prefixes:

AT	All Terrain Tire
CT	Inverted Flange Tire
E	Energy Efficient Tire
LT	Light Truck Tire
M	Motorcycle Tire
P	Passenger Car Tire
S	Flotation Service Tire
T	Temporary Service Tire (spare)

Abbreviations Used in Tire Suffixes:

DT	OTR Tire for Desert Terrain (Sand)
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Other Abbreviations

AGR	Agricultural Tires
ATT	Aircraft Tow Tractor
ATV	All Terrain Vehicle
A&I	Agricultural & Industrial
BC	Bicycle
CLT	Counter-Balanced Lift Truck
Cn	Conventional
CV	Compactor Vehicle
CYB	Cycle Bicycle
Dia	Diameter
DT	Desert (sand) Tire
EE	Energy Efficient
FS	Field Service
HgS	Haulage Service
HiF	High Flotation
HL	High Load
HM	High Mobility
HS	Highway Service
IHS	Intermittent Highway Service
Imp	Implement
IND	Industrial Tires
Lbs	Pounds
LBSR	Low Bearing Strength Runways
LBT	Low Bed Truck
LPT	Low Platform Trailer
LSD	Log Skidder Drive
LSH	Low Section Height

FI	Farm Implement Tires
HC	Truck & Bus Tire for use with HC contour rims
K	Compactor Tire
LT	Light Truck Tire
MH	Mobile Home Tire
M/C	15" Diameter Motorcycle Tire for use with specific rims
NHS	Not for Highway Service Tire
SL	Service Limits to Agricultural Tire
SS	Skid Steer Tire
ST	Special Trailer Tire
TG	Tractor/Grader Tire
TR	Truck & Bus Tire for use with specific rims
VA	Agricultural Tire for use with VA contour rims

L&G	Lawn & Garden
Max	Maximum
MC	Motorcycle
MH	Mobile Home

Other Abbreviations

Min	Minimum
MPH	Miles per Hour
MS	Multi-Speed
M&L	Mining & Logging
OTR	Off-The-Road Tires
PAS	Passenger Car Tires
RF	Run Flat
RS	Restricted Speed
SM	Special Military
Sp	Spare Tire
SS	Skid Steer
SV	Special Vehicle
Tlr	Trailer
TrD	Tractor Drive
TrS	Tractor Steer
TS	Transport Service
T&B	Truck & Bus Tires
T&B-L	Truck & Bus Light
T&G	Tractor & Grader
UV	Utility Vehicle
WB	Wide Base



Agricultural Vehicle Installation Volume Chart

Heavy Duty: for tires with air pressure over 50psi, for vehicles which travel in excess of 30 MPH

Extra Heavy Duty: for tires with air pressure over 50psi, for vehicles which travel under 30 MPH.

Rim size: 4" to 10"

Width of the tire x rim size x 0.05 x 3 = total ounces

Rim size: 11" and bigger

Width of the tire x rim size x 0.05 x 4 = total ounce

Rim Diameter	Tire Designation					Oz.	
8	4	0	-	8		5	
8	5	0	-	9		6	
9	4	0	-	9	SL	6	
10	7	50	-	10	SL	11	
10	9	0	-	10	SL	13	
12	4	0	-	12	SL	7	
12	4	0	-	12		9	
12	4	0	-	12		11	
14	6	0		14	SL	12	
14	7	50		14	SL	16	
14	8	50	L	14	SL	18	
14	9	50	L	14	SL	20	
14	11	0	L	14	SL	23	
15	4	0		15	SL	9	
15	5	0		15	SL	11	
15	6	90		15	SL	15	
15	6	40		15	SL	14	
15	6	70		15	SL	15	
15	7	50	L	15	SL	17	
15	7	60		15	SL	17	
15	9	50	L	15	FI	21	
15	9	50	L	15	SL	21	
15	25x	7	50		15	NHS	16
15	27x	8	50		15	NHS	19
15	27x	7	50		15	NHS	21
15	27x	8	50		15	NHS	23
15	27x	9	50		15	NHS	28
15	25x	10	50		15	NHS	28
15	29x	12	50		15	NHS	28
15	31x	12	50		15	NHS	28
15		12	50		15	FI	28
15		12	50	L	15	SL	28
15		9	60		15	SL	21
15		10	0	L	15	SL	22
15		11	0	L	15	FI	24
15		11	0		15	SL	24
15	33x	12	50		15	NHS	28
15		13	50		15	FI	30
15	31x	13	50		15	NHS	30
15	36x	13	50		15	NHS	30
15	31x	15	50		15	NHS	34
16		5	50		16	SL	13

Rim Diameter	Tire Designation					Oz.	
16	6	0		16		14	
16	6	0		16	SL	14	
16	6	50		16	SL	15	
16	7	50		16	SL	18	
16	8	0		16	SL	19	
16	8	30		16		19	
16	9	0		16	SL	21	
16	9	50		16		22	
16	10	0		16	SL	24	
16	11	0	L	16	SL	26	
16	11	0		16	SL	26	
16	12	40		16		30	
16	12	50	L	16	SL	30	
16	13	60		16		32	
16	13	50		16	SL	32	
16	14	0	L	16	SL	33	
16	15	75		16	SL	33	
16	16	50	L	16	SL	39	
16	18	40		16		44	
16	19	0	L	16	SL	45	
16	38x	20	0		16	NHS	48
16	21	50	L	16	SL	51	
18	36x	16	0	17	17	NHS	40
18		4	0		18	SL	10
18		7	5		18	SL	20
19		4	0		19	SL	11
20		7	50		20	SL	22
20		9	50		20	SL	28
20	38x	14	0		20	NHS	42
20	38x	18	0		20	NHS	54
20	44x	18	0		20	NHS	54
20	42x	25	0		20	NHS	75
20	48x	25	0		20	NHS	75
20	48x	31	0		20	NHS	93
20	44x	41	0		20	NHS	123
24		7	50		24	SL	27
24		8	30		24		29
24		9	0		24	SL	32
24		9	50		24		34
24		11	0		24	SL	39
24		11	20		24		40
24		11	25		24	SL	40

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24		12	40		24		44
24		##	70	R	24		44
24		13	60		24		48
24		##	70	R	24		48
24		14	90		24		53
24		##	70	R	24		53
24		##	70	R	24		59
24		16	90	R	24		60
24		16	90	R	24		60
24		17	50	L	24		63
24		18	40	L	24		66
24		19	50	L	24		70
24		21	0		24		75
25	67x	34	0		25	NHS	127
25	66x	43	0		25	NHS	161
25	66x	44	0		25	NHS	165
26		14	90		26		58
26		14	90	R	26		58
26		16	90		26		65
26		16	90	R	26		65
26		18	40		26		71
26		18	40	R	26		71
26		18	40		26		71
26		23	10		26		90
26		28	0	L	26		109
26	54x	31	0		26	NHS	120
26	67x	34	0		26	NHS	132
26	66x	43	0		26	NHS	167
28		11	20		28		47
28		11	25		28	SL	47
28		12	40		28		52

28		##	70	R	28		52
28		13	60		28		57
28		13	60	R	28		57
28		##	70	R	28		57
28		14	90		28		62
28		14	90	R	28		62
28		##	70	R	28		62
28		##	70	R	28		65
28		16	90		28		70
28		16	90	R	28		70
28		18	40		28		77
28		##	70	R	28		77
28		19	60		28		82
30		14	90		30		67
30		14	90	R	30		67
30		##	70	R	30		70
30		16	90	R	30		76
30		16	90		30		76
30		18	40		30		82
30		##	70	R	30		82
30		##	70	R	30		82
30		23	10		30		103
30	67x	34	0		30	NHS	153
32		24	50	R	32		117
32		24	50		32		117
32		30	50	L	32		146
32		30	50	L	32	VA	146
32		30	50	L	32		146
32		33	0	L	32	VA	158
32		35	50	L	32		170



Automobile Installation Volume Chart

STD Formula: for tires with air pressure between 25-50psi, for vehicles which travel in excess of 30 MPH.

Width of the Tire x Rim Size x.05 x25%=Total Oz.

Tubeless Formula:

Rim Diameter	Ounces
12	3
13	3
14	4
15	6
16	6
17	6
18	7

Tube Formula:

Rim Diameter	Ounces
12	4
13	4
14	5
15	8
16	8
17	8
18	9

Note: For old weathered or extremely dry tires, add 25% more product.

Bicycle & Wheel Chair Installation Volume Chart

Rim Diameter	Ounces
Racing Bike	2
Mountain Bike	4
Regular Bike	4
Wheel Chair	4

Motorcycle Installation Volume Chart MCF Formula

Golf Carts Installation Volume Chart ORF Formula

Rim Diameter	Ounces
Golf Cart Tires	7

Rim Diameter	Ounces
14	4
15	4
16	4
17	4
18	4
19	4
20	4
21	4



Industrial Vehicle Installation Volume Chart

Heavy Duty: for tires with air pressure over 50psi, for vehicles which travel in excess of 30 MPH.

Extra Heavy Duty: for tires with air pressure over 50psi, for vehicles which travel under 30MPH.

Rim Size: 4" to 10":

Width of the tire x Rim size x .05 x 3

=_Total oz

Rim Size: 11" and bigger:

Width of the tire x Rim size x .05 x 3 x 20%

=_Total oz

Rim Diameter	Tire Designation	Oz.
4	2.8 -4 NHS	2
4	2.80/2.50 -4 NHS	2
4	3 -4	2
4	4 -4	3
4	4.1 -4 NHS	3
4	4.10/3.50 -4 NHS	3
4	4.8 -4 NHS	3
5	3.4 -5 NHS	3
5	3.40/3.00 -5 NHS	3
5	3.5 -5	3
5	11x 4 -5 NHS	4
5	4.1 -5 NHS	4
5	4.10/3.50 -5 NHS	4
6	4.1 -6 NHS	4
6	4.10/3.50 -6 NHS	4
6	13x 5 -6 NHS	5
6	5.3 -6 NHS	5
	19	
6	5.30/4.50 -6 NHS	5
6	15x 6 -6 NHS	6
6	13x 6.5 -6 NHS	6
6	6.9 -6 NHS	7
6	6.90/6.00 -6 NHS	7
6	18x 7/4.50F NHS	7
6	13x 7.7 -6 NHS	8
6	14x 8 -6 NHS	8
6	8 -6 NHS	8
7	4.8 -7 NHS	5
8	4 -8	5

Rim Diameter	Tire Designation	Oz.
8	15x 4 1/2 -8	5
8	15x 4 1/2 R8	5
8	4.8 -8	6
8	4.80/4.00 -8	6
8	4.8 -8 NHS	6
8	4.80/4.00 -8 NHS	6
8	5 -8	7
8	5 R8	7
8	16x 5.5 -8 NHS	8
8	5.7 -8	8
8	5.70/5.00 -8	8
8	5.7 -8 NHS	8
8	5.70/5.00 -8 NHS	8
8	150/75 -8	8
8	150/75 R8	8
8	16x 6 -8	8
8	16x 6 R8	8
8	16x 6.5 -8 NHS	9
8	16.5x 6.5 -8	9
8	18x 7	9
8	18x 7 -8	9
8	18x 7 R8	9
8	18x 7 -8 NHS	9
8	AT20x 7 -8	9
8	180/70 -8	9
8	180/70 R8	9
8	16x 7.5 -8 NHS	10
8	18x 8.5 -8 NHS	10
8	18.5x 8.5 -8	10

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8	18x	9	-8	NHS	11
8	18x	9.5	-8	NHS	11
8	18.5x	9.5	-8		11
8	AT18x	10	-8		12
8	AT20x	10	-8		12
8	AT22x	10	-8		12
8	AT23x	10	-8		12
8	AT18x	11	-8		13
8	AT20x	11	-8		13
8	AT21x	11	-8		13
8	AT22x	11	-8		13
8	AT21x	12	-8		14
8		125/75	-8		7
8		125/75	R8		7
8N	21x	11	-8	NHS	13
H					
8N	22x	11	-8	NHS	13
H					
9		4.8	-9	NHS	7
9		4.80/4.00	-9	NHS	7
9		5	-9		7
9		6	-9		8
9		6	R9		8
9		6.9	-9		9
9		6.90/6.00	9		9
9		6.9	-9	NHS	9
9		6.90/6.00	9	NHS	9
9	AT20x	7	-9		10
9	AT22x	7	-9		10
9		200/75	-9		10
9		200/75	R9		10
9	AT21x	8	-9		11
9	21x	8	-9	NHS	11
9	21x	8	-9		11
9	21x	9	-9	NHS	12
9	AT18x	11	-9		15
9	AT20x	11	-9		15
9	AT22x	11	-9		15
9	AT25x	12	-9		16
9	AT24x	13	-9		18
10		6.5	-10		10
10		6.5	R10		10
10		6.5	-10	NHS	10
10	AT21x	7	-10		10
10	20x	7.5	-10	NHS	11
10		7.5	-10		11
10		7.5	R10		11
10		7.50/9.00	-10		11
10		7.5	-10	NHS	11
10		7.5	L-10	NHS	11
10		7.50/9.00	-10	NHS	11
10	20x	8	-10	NHS	12

10	AT20x	8	-10		12
10	20.5x	8	-10		12
10	AT22x	8	-10		12
10	23x	8	-10	NHS	12
10	AT25x	8	-10		12
10		225/75	-10		13
10		225/75	R10		13
10	AT22x	9	-10		14
10	23x	9	-10		14
10		9	L-10	NHS	14
10	27x	9	-10	NHS	14
10		9	-10	NHS	14
10	AT18x	10	-10		15
10	AT20x	10	-10		15
10	AT22x	10	-10		15
10	AT18x	11	-10		17
10	AT20x	11	-10		17
10	AT22x	11	-10		17
10	AT24x	11	-10		17
10	AT25x	12	-10		18
10		15	L-10	NHS	23
10	27x	15	-10		23
11	AT23x	8	-11		15
11	AT24x	8	-11		15
11	AT24x	9	-11		17
12		4.5	-12		9
12		4.8	-12		10
12		4.80/4.00	-12		10
12		4.8	-12	NHS	10
12		4.80/4.00	-12	NHS	10
12		5.3	-12		11
12		5.30/4.50	-12		11
12		5.3	-12	NHS	11
12		5.30/450	-12	NHS	11
12		5.7	-12	NHS	12
12		7	-12	NHS	15
12		7	R12	NHS	15
12	22x	7.5	-12	NHS	16
12	22x	8	-12	NHS	17
12	23x	8	-12	NHS	17
12		8.25	-12		17
12	23x	8.5	-12		18
12	23x	8.5	-12	NHS	18
12	23.5x	8.5	-12		18
12	23x	9	-12		19
12	23x	9.5	-12	NHS	20
12		250/75	-12		20
12		250/75	R12		20
12	23x	10	-12	NHS	21
12	27x	10	-12	NHS	21
12	27x	10	-12		21
12	23x	10.5	-12	NHS	22

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12	23.5x	11	-12	NHS	23
12	24x	12	-12	NHS	25
12	25x	12	-12	NHS	25
12	26x	12	-12	NHS	25
15		5.5	-15		14
15		5.7	-15	NHS	15
15		6	-15		16
15		7	L-15	NHS	18
15		7	-15		18
15		7	R15		18
15		7	-15	NHS	18
15		7	-15	SS	18
15		7.5	-15	NHS	19
15		7.5	R15		19
15		7.5	-15		19
15		7.5	-15	NHS	19
15	28x	8	-15		21
15	29x	8	-15	NHS	21
15	30x		-15	NHS	21
15		205/70	R15		21
15		8.15	-15	NHS	21
15		8.15	-15		21
15		8.25	-15		21
15		8.25	R15		21
15		8.25	-15	NHS	21
15		8.25	-15	SS	21
15	27x	8.5	-15	NHS	22
15		225/75	R15		22
15	28x	9	-15	NHS	24
15	28x	9	-15		24
15		9	-15		24
15		250/70	-15		26
15		250/70	R15		26
15		250	-15		26
15		250	-15	NHS	26
15	29x	10	-15	NHS	26
15		10	L-15	NHS	26
15		10	-15		26
15		10	R15		26
15		10	-15	NHS	26
15	36x	11	-15	NHS	29
15		11	-15	NHS	29
15		300	-15	NHS	29
15	28x	300	-15		29
15	32x	12	-15	NHS	32
15		12	-15	NHS	32
15	28x	315/70	R15		32
15		13	-15	NHS	34

15		355/65	-15		35
15		14.5	L-15	NHS	38
15	32x	15	-15	NHS	39
15	35x	15	-15	NHS	39
16		6	-16	NHS	17
16		7	-16		20
16		7.5	-16		21
16		7.5	-16	SS	21
16		9	-16		25
17		10	-16	NHS	29
17		12	-16	NHS	35
18		215/75	R17.5		27
18		235/75	R17.5		30
18		9.5	R17.5		29
18		245/70	R17.5		29
18		14	-17	NHS	43
18		7.5	-18	NHS	24
19		13	-18	NHS	42
20		245/70	R19.5		33
20		265/70	R19.5		35
20		285/70	R19.5		37
20		15	-19	NHS	51
20		7	-20		24
20		7.5	-20		26
20		8.25	-20		29
20		9	-20		31
20		10	-20		35
20		275/85	D20		37
20		11	-20		38
20		12	-20		42
20		315/80	D20		42
20		13	-20		45
20		345/80	D20		46
20		355/80	D20		46
20		14/80	R20		49
20	44X	18	-20	NHS	63
24		12	-24		50
24		13	-24		55
24		14	-24		57
25		16	-25		70
25		18	-25		79



Off- Road Vehicle Installation Volume Chart

Use ORF formula on all tires in this section.

Width of the tire x rim size x 0.05 x 3 x 20% = Total Ounces

Rim Diameter	Tire Designation		Oz.
15	7	50	19
15	8.5	90	22
15	9	0	24
15	9	0 R	24
16	9	0	25
16	9	0 R	25
16	11	0	31
16	11	0 R	31
16	16	0	44
16	16	0 R	44
20	8	25	29
20	9	0	31
20	10	0	35
20	10	0	35
20	11	0	38
20	12	0	42
20	12	0 R	42
20	13	0	45
20	14	0	46
20	14	0 R	46
20	14	0	46
20	14	0 R	46
20	16	0	56
20	16	0 R	56
20	425	95 R	58
21	12	0	44
21	12	0 R	44
21	14	0	51
21	14	0 R	51
21	16	0	59
21	16	0 R	59
21	24	0	88
21	24	0 R	88
21	27	25	100
21	27	25 R	100
23	10	0	39
23	11	0	43
23	12	0	47
23	13	0	51
24	10	0	42
24	10	0 R	42
24	12	0	50
24	12	0 R	50

Rim Diameter	Tire Designation		Oz.
24	12	0	50
25	445	95 R	74
25	18	0	79
25	18	0 R	79
25	61x8	0	79
25	18	0	79
25	18	0 R	84
25	505	95 R	87
25	20	65	89
25	20	50	89
25	20	50 R	87
25	525	80 R	92
25	21	0	92
25	21	0 R	92
25	21	0	96
25	21	0 R	102
25	22	65 R	102
25	575	95 R	101
25	23	50	105
25	23	50 R	105
25	605	80 R	109
25	24	0	116
25	24	0 R	116
25	25	65	116
25	25	65 R	127
25	26	50	127
25	26	50 R	127
25	685	80 R	127
25	29	50	127
25	29	50 R	127
25	29	50	127
25	29	50 R	127
25	30	65	131
25	30	65 R	131
25	35	65	153
26	16	0	73
26	18	0	82
29	20	65	102
29	24	0	122
29	24	0	122
29	24	0 R	122
29	25	65	127
29	26	50	132

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29	26	50	R	29	132
29	29	50		29	150
29	29	50	R	29	150
29	30	65		29	152
29	30	65		29	152
29	30	65	R	29	152
29	33	25		29	167
29	33	25	R	29	167
29	35	65		29	178
33	18	0		33	104
33	18	0	R	33	104
33	21	0		33	139
33	27	0		33	156
33	27	0	R	33	156
33	30	65		33	173
33	30	0		33	173
33	33	50		33	190
33	33	50	R	33	190
33	35	65		33	202
33	35	65		33	202
33	35	65	R	33	202
33	37	50		33	214
33	37	50	R	33	214
35	21	0		35	128
35	21	0	R	35	128
35	24	0		35	147
35	24	0	R	35	147
35	29	50		35	178
35	29	50	R	35	178
35	33	25		35	202
35	33	25	R	35	202
35	37	25		35	227
35	37	25	R	35	227
37	31	50		37	200
37	31	50	R	37	200
39	33	50		39	225
39	33	50	R	39	225
39	37	50		39	253
39	37	50	R	39	253
39	40	65		39	273
39	40	65	R	39	273
39	41	75	R	39	276
39	41	70		39	282

39	45	65		39	307
45	45	65	R	45	354
45	50	65		45	394
45	55	65		45	433
49	18	0		49	154
49	18	0	R	49	154
49	21	0		49	180
49	21	0	R	49	180
49	24	0		49	206
49	24	0	R	49	206
49	27	0		49	232
49	27	0		49	232
49	27	0		49	232
49	27	0	R	49	232
49	27	0		49	232
49	27	0		49	232
49	27	0		49	232
51	24	0		51	214
51	27	0		51	241
51	30	0		51	268
51	30	0	R	51	268
51	33	0		51	295
51	33	0	R	51	295
51	36	0		51	321
51	36	0	R	51	321
51	36	0		51	321
51	36	50	R	51	321
51	37	50		51	330
51	37	65	R	51	330
51	50	65		51	446
51	50	65	R	51	446
51	60	65		51	490
51	65	65		51	536
51	65	65		51	580
53	39	90	R	53	362
57	27	0		565	267
57	30	0		565	297
57	37	0	R	57	369
57	40	0		57	399
57	40	0	R	57	399
60	33	0		595	344
60	36	0		595	375
60	39	0		595	406



Truck & Bus Installation Volume Chart

HD Formula: for tires with air pressure rated over 50psi, for vehicles, which travel in excess of 30 MPH

STD Formula: for tires with air pressure between 25-50psi, for vehicles that travel in excess of 30mph.

Rim Size: 15", 16" & 17":

Width of the tire x Rim size x .05 x 25%

=_Total oz

Rim Size: 18":

Width of the tire x Rim size x .05 x 2

=_Total oz.

Rim Size: 19" and Bigger:

Width of the tire x Rim size x .05 x 2 x 25%

=_Total oz.

Rim Diameter	Tire Designation	Oz.	Rim Diameter	Tire Designation	Oz.
15	10.00-15	7	17	8.00-17	7
15	10.50-15	7	17	9.00-17	8
15	11.00-15	8	17	10.00-17	9
15	11.50-15	8	17	11.00-17	9
15	12.00-15	9	17	14.00-17	12
15	12.50-15	9	17.5	14.00-17.5	12
15	13.00-15	9	18	7.00-18	14
15	13.50-15	9	18	7.50-18	14
15	14.00-15	10	19.5	7.00-19.5	20
15	14.50-15	10	19.5	15.00-19.5	36
15	15.00-15	11	19.5	16.00-19.5	39
15	15.50-15	11	19.5	18.00-19.5	44
16	6.00-16	5	19.5	19.00-19.5	46
16	7.00-16	6	19.5	22.00-19.5	50
16	7.50-16	6	20	7.00-20	18
16	8.00-16	7	20	8.00-20	20
16	8.00-16	7	20	9.00-20	23
16	9.00-16	7	20	10.00-20	25
16	9.50-16	7	20	11.00-20	27
16	10.00-16	8	20	12.00-20	30
16	10.50-16	8	20	13.00-20	33
16	11.00-16	8			
17	6.00-17	5			
17	7.00-17	6			
17	7.50-17	6			

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20	14.00-20	T&B-L	35
20	16.00-20	T&B-L	40
21	12.00-21	T&B-L	32
21	14.00-21	T&B-L	36
21	16.00-21	T&B-L	42
21	18.00-21	T&B-L	45
21	23.00-21	T&B-L	60
22	10.00-22	T&B-L	27
22	11.00-22	T&B-L	30
22.5	8.00-22.5	T&B-L	22
22.5	9.00-22.5	T&B-L	25
22.5	10.00-22.5	T&B-L	27
22.5	11.00-22.5	T&B-L	30
22.5	12.00-22.5	T&B-L	34
22.5	13.00-22.5	T&B-L	36
22.5	15.00-22.5	T&B-L	42

22.5	16.00-22.5	T&B-L	45
22.5	18.00-22.5	T&B-L	50
23	23.00-23	T&B-L	67
24	10.00-24	T&B-L	30
24	11.00-24	T&B-L	33
24	12.00-24	T&B-L	33
24	13.00-24	T&B-L	39
24	14.00-24	T&B-L	42
24.5	11.00-24.5	T&B-L	34
24.5	12.00-24.5	T&B-L	37
24.5	13.00-24.5	T&B-L	40
25	11.00-25	T&B-L	34
25	12.00-25	T&B-L	38
25	13.00-25	T&B-L	40
25	14.00-25	T&B-L	44

Light Truck Installation Volume Chart

STD Formula: Designed for tires with air pressure rated Between 25-50psi, for vehicles which travel in excess of 30 MPH
 HD Formula: Designed for tires with air pressure rated over 50psi, for vehicles which travel in excess of 30 MPH.

Width of the Tire x Rim Size x 0.05 x 25% = Total Ounces

Example: (American Measurement)

$$8.25 / 16 = (8.25 \times 16 \times 0.05 \times 25\% = 8 \text{ per oz per tire})$$

Example: (European Measurement)

$$225 / 75 \text{ R } 17.5 =$$

$$(225 \times 75\% \div 10 \div 2.54 \times 17.5 \times .05 \times 25\% = 7 \text{ or } 8 \text{ oz per tire})$$

RIM DIAMETER OUNCES

13	5
14	6
15	7

