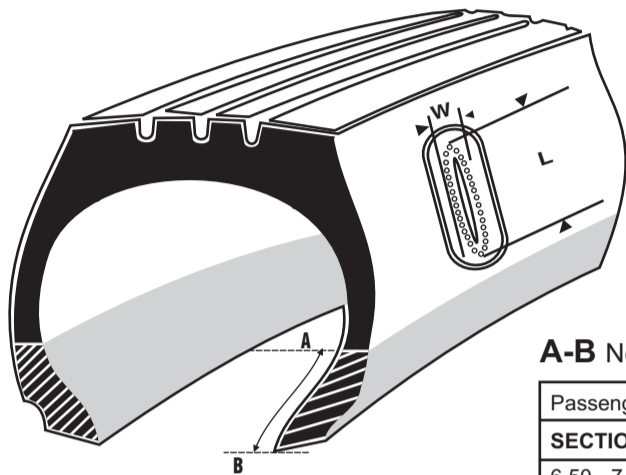


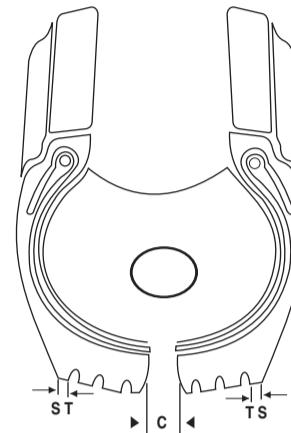


# RADIAL REPAIR UNIT SELECTION CHART



**A-B Non-Repairable Area**

Passenger and Light Truck Tires	1 1/2" (40mm)
<b>SECTION WIDTH</b>	
6.50 - 7.00 (165 - 195)	2 1/2" (65mm)
7.50 - 16.00 (190 - 385)	3" (75mm)
17.50 - 23.50 (425 - 600)	3 1/2" (90mm)



<b>C</b>	Maximum diameter of damaged radial cables
<b>W</b>	Width of injury
<b>L</b>	Length of injury
<b>S-T</b>	Shoulder Area 1 1/2" (40mm)
<b>T-T</b>	Crown Area



■ Tube Type Tires  
■ Tubeless Tires

Sidewall Injury		Passenger Tire Sizes		Crown Injury (T-T) Diameter Ø
W	L	145-175	185-315	
1/4" (6mm) 1/4" (6mm)	1/2" (15mm) 2" (50mm)	JR 110 JR 112	JR 110 JR 112	1/4" (6mm)
3/8" (10mm) 3/8" (10mm)	3/8" (10mm) 1 1/2" (40mm) 2" (50mm)	JR 110 R JR 112 JR 114	JR 110 R JR 112 JR 114	3/8" (10mm)
1/2" (15mm) 1/2" (15mm)	1 1/2" (40mm) 2" (50mm)	JR 112 JR 114	JR 112 JR 114	1/2" (15mm)
3/4" (20mm) 3/4" (20mm) 3/4" (20mm)	3/4" (20mm) 1 1/2" (40mm) 2" (50mm)	JR 112 JR 112 JR 114	JR 112 JR 114 JR 114	3/4" (20mm)
1" (25mm) 1" (25mm)	1 1/2" (40mm) 2" (50mm)	JR 114 JR 114	JR 114 JR 122	1" (25mm)

Repair Unit Code	Dimensions	
	mm	Inches
JR 110	70 x 50	2 3/4 x 2
JR 110 R	80 x 60	3 1/8 x 2 3/8
JR 112	110 x 65	4 3/8 x 2 1/2
JR 114	150 x 80	6 x 3 1/8
JR 120	130 x 80	5 1/8 x 3 1/8
JR 122	175 x 80	6 3/4 x 3 1/8
JR 124	210 x 85	8 1/4 x 3 3/8
JR 126	260 x 75	10 1/4 x 3
JR 128	335 x 75	13 1/8 x 3
JR 133	125 x 100	5 x 4
JR 135	150 x 125	6 x 5
JR 140	200 x 100	8 x 4
JR 142	260 x 130	10 1/4 x 5 1/8
JR 144	330 x 130	13 x 5 1/8
JR 150	425 x 190	16 3/4 x 7 1/2

Repair unit in shade is to be used for (T-T) crown injuries.

**Notes for Passenger Tires :**

Tires with speed rating of H, V, W, Y or Z are repairable in the (T-T) crown area not to exceed 1/4" (6mm) or one injury per tire to maintain their speed rating designation. Run Flat tires maintain the same limitation as the performance tire except multiple nail hole repairs may be performed unless it is in the same radial cord or where repair units overlap. Performance tires are repairable beyond the shoulder area; the speed rating is then reduced below an H rating.

**Note :** Repair of Performance tire should not exceed or supersede limitation of the new tire manufacturer's recommendations.

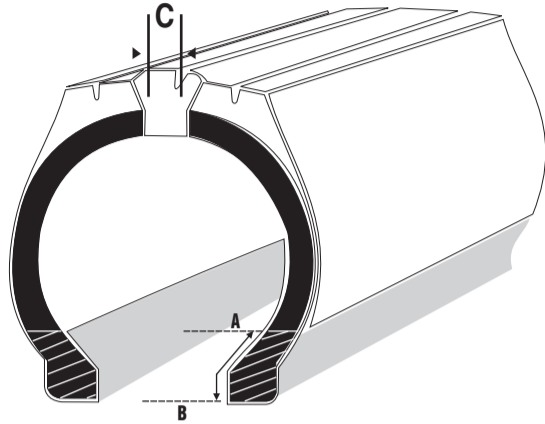
This selection repair chart is to be used as a suggested guide only. All injuries should be filled and supported with the appropriate repair unit. Conditions may affect limitations by load, speed and application.

Sidewall Injury		Truck Tire Sizes			Crown Injury (T-T) Diameter Ø
W	L	Light Truck	Heavy Truck		
		6.50-7.50 7-10 215/85 - 255/85 215/75 - 265/75	7.50-10.00 8-11 235/80 - 275/80 245/75 - 285/75	11.00-14.00 12-16.5 295/80 - 315/80 295/75 - 445/65 425/50 - 495/45	
1/8" (3mm)	1/8" (3mm)	JR 110	JR 110 R	JR 110 R	1/8" (3mm)
1/4" (6mm)	1/4" (6mm)	JR 112	JR 112	JR 112	1/4" (6mm)
1 Cable 1 Cable 1 Cable 1 Cable	1 1/2" (40mm) 3 1/8" (80mm) 4 3/4" (120mm) 6" (150mm)	JR 120 JR 122	JR 120 JR 122 JR 124 JR 126	JR 120 JR 122 JR 124 JR 126	3/8" (10mm)
2 Cable 2 Cable 2 Cable 2 Cable	3/4" (20mm) 1 1/2" (40mm) 2 3/8" (60mm) 5 1/8" (130mm)	JR 120 JR 120 JR 122	JR 120 JR 122 JR 124 JR 126	JR 122 JR 124 JR 126 JR 126	
3/8" (10mm) 3/8" (10mm) 3/8" (10mm) 3/8" (10mm)	1 1/2" (40mm) 2 3/8" (60mm) 3 1/8" (80mm) 5 1/8" (130mm)	JR 120 JR 122 JR 126	JR 126 JR 126 JR 126 JR 126	JR 140 JR 140 JR 142 JR 144	
1/2" (15mm) 1/2" (15mm) 1/2" (15mm) 1/2" (15mm)	1 1/2" (40mm) 2 3/4" (70mm) 3 3/4" (95mm) 5 1/8" (130mm)	JR 122 JR 122 JR 140	JR 133 JR 140 JR 140 JR 142 JR 144	JR 133 JR 140 JR 142 JR 142 JR 144	
3/4" (20mm) 3/4" (20mm) 3/4" (20mm) 3/4" (20mm)	1" (25mm) 2 1/2" (65mm) 4 3/8" (110mm) 5 1/8" (130mm)	JR 122 JR 124	JR 133 JR 140 JR 142 JR 142 JR 144	JR 135 JR 140 JR 142 JR 142 JR 144	
1" (25mm) 1" (25mm) 1" (25mm)	2" (50mm) 3 1/8" (80mm) 4" (100mm)	JR 133 JR 140	JR 135 JR 142 JR 142 JR 144	JR 135 JR 144 JR 144 JR 144	
1 1/4" (32mm) 1 1/4" (32mm) 1 1/4" (32mm)	2" (50mm) 3 1/8" (80mm) 4" (100mm)		JR 142 JR 144	JR 144 JR 144 JR 150	
1 1/2" (40mm) 1 1/2" (40mm)	2" (50mm) 3 1/8" (80mm)		JR 144	JR 144 JR 144 JR 144	





# BIAS REPAIR UNIT SELECTION CHART



## A-B NON-REPAIRABLE AREA

Passenger	1½" (40mm)
LT up to 7.50 (195)	3" (75mm)
<b>SECTION WIDTH</b>	
8.25 - 16.00 (205 - 385)	3½" (90mm)
16.00 - 18.00	5" (125mm)
21.00 - 27.00	6" (150mm)
14.9 - 20.8	4" (100mm)
23.1- +	5" (125mm)



C - Max Injury Diameter Ø		Ply Rating / Load Range										
mm	Inch	4 / B	6 / C	8 / D	10 / E	12 / F	14 / G	16 / H	18 / J	20 / L	22 / M	24 / N
3	1/8	JU 55	JU 55	JU 55	JU 55	JU 55	JU 55	JU 55	JU 55	JU 65	JU 65	JU 65
4	3/16	JU 55	JU 55	JU 55	JU 55	JU 65	JU 65	JU 65	JU 65	JU 85	JU 85	JU 85
6	¼	JU 65	JU 65	JU 65	JU 65	JU 65	JU 65	JU 85	JU 85	JB 03	JB 03	JB 04
10	3/8	JU 65	JU 65	JU 85	JU 85	JU 85	JB 03	JB 04	JB 04	JB 04	JB 04	JB 05
15	½	JU 85	JU 85	JB 03	JB 03	JB 04	JB 04	JB 04	JB 05	JB 05	JB 06	JB 06
20	¾	JB 03	JB 03	JB 03	JB 03	JB 04	JB 04	JB 05	JB 05	JB 05	JB 06	JB 06
25	1	JB 03	JB 03	JB 04	JB 04	JB 04	JB 05	JB 05	JB 06	JB 06	JB 07	JB 07
40	1½	JB 04	JB 04	JB 04	JB 05	JB 05	JB 06	JB 06	JB 06	JB 07	JB 08	JB 08
50	2	JB 05	JB 05	JB 05	JB 06	JB 06	JB 06	JB 06	JB 07	JB 08	JB 08	JB 08
65	2½	JB 06	JB 06	JB 06	JB 06	JB 06	JB 07	JB 07	JB 08	JB 08	JB 08	JB 08
75	3	-	-	-	JB 07	JB 07	JB 07	JB 07	JB 08	JB 09	JB 09	JB 09
100	4	-	-	-	JB 08	JB 08	JB 08	JB 08	JB 09	JB 09	JB 10	JB 10
125	5	-	-	-	-	-	JB 10	JB 10	JB 10	JB 10		

## REINFORCEMENT REPAIR CHART

Max Injury Diameter Ø		Ply Rating / Load Range			
mm	Inch	8-12 / D-F	14-16 / G-H	18-20 / J-L	22-24 / M-N
3	1/8	JU 55	JU 55	JU 55	JU 55
4	3/16	JU 55	JU 55	JU 55	JU 55
6	¼	JU 65	JU 65	JU 65	JU 65
10	3/8	JU 85	JU 85	JU 85	JU 85
15	½	JB 03	JB 03	JB 03	JB 05
20	¾	JB 03	JB 04	JB 05	JB 05
25	1	JB 03	JB 03	JB 05	JB 05
40	1½	JB 04	JB 05	JB 05	JB 06
50	2	JB 05	JB 05	JB 05	JB 06
65	2½	JB 05	JB 05	JB 06	JB 07
75	3	JB 06	JB 06	JB 06	JB 07
100	4	JB 07	JB 07	JB 07	JB 08
125	5	JB 08	JB 08	JB 08	JB 09

Repair Unit Code	Repair Unit Sizes	
	mm	Inches
JU 55	55	2 1/8
JU 65	65	2 ½
JU 85	85	3 3/8
JB 03	105	4 1/8
JB 04	120	4 3/8
JB 05	170	6 5/8
JB 06	245	9 5/8
JB 07	295	11 5/8
JB 08	345	13 5/8
JB 09	400	16
JB 10	450	18

Injuries and damage to the tire that is greater than 25% but less than 75% of the tire's body requires the use of a reinforcement repair. The injury should be filled and supported with the appropriate repair unit.

This selection repair chart is to be used as a suggested guide only.

Conditions may affect limitations by load, speed and application.

RSC-B-10/10




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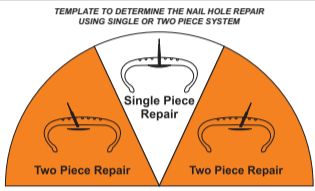
# SPECIAL REPAIR UNIT SELECTION CHART

## STEM REPAIR UNIT

	Repair Unit Code	Color Match Code	Stem Diameter $\varnothing$		Repair Unit Diameter $\varnothing$		Injury Size $\varnothing$		Carbide Cutter	Color Match Code
			mm	Inch	mm	Inch	mm	Inch		
	JS U 03 W	●	3.5	1/8	19	3/4	2	3/32	ICC-03	●
	JS U 07 W	●	8	5/16	55	2 1/4	3	1/8	ICC-07	●
	JS U 09 W	■	10	3/8	65	2 1/2	6	1/4	ICC-09	■
	JS U 12 W R	★	13	1/2	85	3 1/8	9	3/8	ICC-12	★

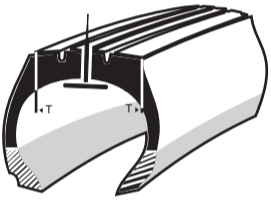
Injury penetration angle within 25°, use the stem repair units.

## STEM INSERT

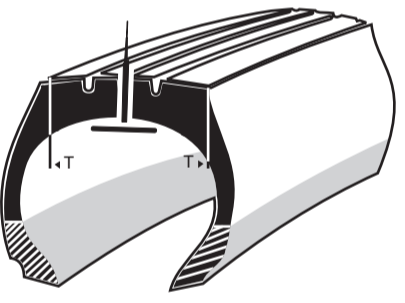
	Repair Unit Code	Color Match Code	Stem Diameter $\varnothing$		Injury Size $\varnothing$		Carbide Cutter	Color Match Code	
			mm	Inch	mm	Inch			
	JI 07 W	●	8	5/16	3	1/8	ICC-07	●	
	JI 09 W	■	10	3/8	6	1/4	ICC-09	■	
	JI 12 W	★	13	1/2	9	3/8	ICC-12	★	

Injury penetration angle exceeds 25°, use the stem insert. To be reinforced with suitable repair unit.

## UNIVERSAL REINFORCED REPAIR UNIT

	Repair Unit Code	Color Match Code	Repair Unit Diameter $\varnothing$		Injury Size $\varnothing$			Color Match Code
			mm	Inches	Passenger and Medium Tire Repair Crown Only (T-T) (injury must be filled with appropriate filler material)			
					mm	Inches	Recommended Stem (Filler) Insert	
	JU 55	●	55	2 1/8	3	1/8	JI 07 W	●
	JU 65	■	65	2 1/2	6	1/4	JI 09 W	■
	JU 85	★	85	3 3/8	9	3/8	JI 12 W	★



## ALL PURPOSE REPAIR UNIT

	Repair Unit Code	Color Match Code	Repair Unit Size		Injury Size $\varnothing$					Color Match Code
			mm	Inches	Tube Injury		Passenger and LT Tire Repair Crown Only (T-T) (injury must be filled with appropriate filler material)			
					mm	Inches	mm	Inches	Recommended Stem (Filler) Insert	
	JA S 55 R	●	55	2 1/4	30	1 1/4	3	1/8	JI 07 W	●
	JA S 65 R	■	65	2 1/2	40	1 1/2	6	1/4	JI 09 W	■
	JA C 55	●	55	2 1/4	30	1 1/4	3	1/8	JI 07 W	●
	JA C 65	■	65	2 1/2	40	1 1/2	6	1/4	JI 09 W	■
	JA C 85	★	85	3	60	2 3/8	9	3/8	JI 12 W	★

Tires with speed rating of H, V, W, Y or Z are repairable in the (T-T) crown area not to exceed 1/4" (6mm) or one injury per tire to maintain their speed rating designation. Run Flat tires maintain the same limitation as the performance. Tire except multiple nail hole repairs may be performed unless it is in the same radial cord or where repair units overlap. Performance tires are repairable beyond the shoulder area; the speed rating is then reduced below an H rating.

**Note:** Repair of Performance tire should not exceed or supersede limitation of the new tire manufacturer's recommendations.

## TUBE REPAIR UNIT

Tube Repair Unit	Repair Unit Code	Repair Unit Size		Injury Size	
		mm	inches	mm	inches
	JT C 25	30	1 3/16	9	3/8
	JT C 40	40	1 1/2	13	1/2
	JT C 45	45	1 3/4	20	3/4
	JT C 55	55	2 3/16	30	1 1/4
	JT C 75	75	3	50	2
	JT C 100	100	4	75	3
	JT O 40	40 x 25	1 5/8 x 1	13 x 3	1/2 x 1/8
	JT O 75	75 x 40	3 x 1 5/8	50 x 13	2 x 1/2
	JT O 100	100 x 50	4 x 2	75 x 25	3 x 1

This selection repair chart is to be used as a suggested guide only. Conditions may affect limitations by load, speed and application.

RSC-S-10/10

