



Tire Repair Charts

RADIAL TIRE SECTION REPAIR CHART

W = Width L = Length C = Max. Dia.		1 = Sidewall 2 = Tread 3 = Shoulder			
				Sidewall Injury	Crown Injury
Heavy Truck				Injury Inches	
8.25-10.00 9R-11R 235/-285/	11.00-14.00 12R-15R 295/-365/				
		W	L	C	
MX 20	MX 20	1 Cable	1-1/2" (37mm)	3/8" (10mm)	
MX 22	MX 22	1 Cable	3-1/8" (78mm)		
MX 24	MX 24	1 Cable	4-3/4" (120mm)		
MX 20	MX 22	2 Cables	3/4" (20mm)		
MX 22	MX 24	2 Cables	1-1/2" (37mm)		
MX 24	MX 40	2 Cables	2-3/4" (70mm)		
MX 24	MX 40	3/8" (10mm)	1" (25mm)		
MX 24	MX 40	3/8" (10mm)	1-1/2" (37mm)		
MX 24	MX 42	3/8" (10mm)	2-3/8" (60mm)		
MX 44	MX 44	3/8" (10mm)	5-1/8" (128mm)		
MX 40	MX 40	1/2" (12mm)	1-1/2" (37mm)	1/2" (12mm)	
MX 40	MX 42	1/2" (12mm)	2-3/4" (70mm)		
MX 42	MX 42	1/2" (12mm)	3-3/4" (95mm)		
MX 44	MX 44	1/2" (12mm)	5-1/8" (128mm)		
MX 40	MX 40	3/4" (20mm)	1" (25mm)	3/4" (20mm)	
MX 40	MX 42	3/4" (20mm)	2-1/2" (62mm)		
MX 42	MX 42	3/4" (20mm)	4-3/8" (110mm)		
MX 44	MX 44	3/4" (20mm)	5-1/8" (128mm)		
MX 42	MX 44	1" (25mm)	2" (50mm)	1" (25mm)	
MX 42	MX 44	1" (25mm)	3-1/8" (78mm)		
MX 44	MX 44	1" (25mm)	4" (100mm)		
MX 42	MX 44	1-1/4" (31mm)	2" (50mm)	1-1/4" (31mm)	
MX 44	MX 44	1-1/4" (31mm)	3-1/8" (78mm)		
MX 44		1-1/4" (31mm)	4" (100mm)		
MX 44	MX 44	1-1/2" (37mm)	2" (50mm)	1-1/2" (37mm)	
MX 44		1-1/2" (37mm)	3-1/8" (78mm)		

Radial Tire Patch Selection

- A. Only after the injury has been properly skived/prepared can the correct patch be selected.
- B. Measuring the injury:
 Sidewall Injuries: Measure the length (L) and width (W) of the injury.
 Tread/Crown Injuries:
 1) If the skived/dressed injury is round, measure only the maximum diameter (C) of the injury at the body ply.
 2) If the skived/dressed injury is oval or oblong shaped, measure both the length (L) and the width (W) of the injury at the body ply.
 3) If the maximum measurement of (C) is greater the L and W measurement, select the larger of the patches.
- C. Using the Tire Size column on the Application Charts, find the injury area column – Sidewall, Tread/Crown or Shoulder – and go down the corresponding column until you match the measured size of the injury to the correct patch.

BIAS PLY TIRE SECTION REPAIR CHART

		Ply Rating							
Inches	mm	4	6	8	10	12	14	16	18
3/8"	(10mm)	470	470	470	470	470	470	471	472
1/2"	(12mm)	470	470	470	470	471	472	472	473
3/4"	(20mm)	470	470	470	470	471	472	473	473
1"	(25mm)	470	470	471	472	472	473	473	474
1 1/2"	(37mm)	471	471	471	472	473	474	474	474
2"	(50mm)	473	473	473	474	474	474	474	
2 1/2"	(62mm)	474	474	474	474	474			

Bias Tire Patch Selection

- A. Only after the injury has been properly skived can the correct patch be selected.
- B. When measuring the injury, always measure the longest damage of the top damaged ply.
- C. Note the ply rating of the tire. (This can be found embossed into the sidewall of the tire).
- D. Find the injury size on the Application Chart, read across the chart to find the correct patch based on the tire ply rating.

