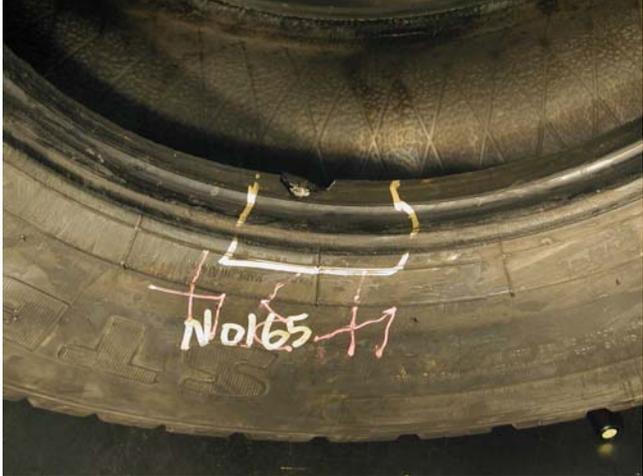


NHTSA Tire Aging Project: Roadwheel Removal Codes v2.2 4/13/06

Code	Designation	FMVSS Definition	Illustration
Bead Region			
BdD	Bead Damage		
BdRi	Bead Ripped	A breakdown of bond between components in the bead area	
BdTuCr	Bead Turnup Cracking		

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Code	Designation	FMVSS Definition	Illustration
BdTuR	Bead Turnup Rupture of body ply cords with radial cracking		
Belt Package Region			
B1P1D	Belt to Carcass Detachment		
BBS	Belt to Belt Separation (photo also includes Belt to Carcass Detachment)		

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Code	Designation	FMVSS Definition	Illustration
BEE	Belt Edge Exposed		
BEL	Belt Edge Loosened		
BES	Belt Edge Separation		

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Code	Designation	FMVSS Definition	Illustration
CT+B2D	Complete Tread and Belt 2 Detachment		
PT+B2D	Partial Tread and Belt 2 Detachment		
Carcass Region			
CaR	Carcass Rupture		

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Code	Designation	FMVSS Definition	Illustration
Innerliner Region			
ILD	Innerliner Damage		
ILF	Innerliner Failure		
ILS	Innerliner Separation	A parting of the innerliner from cord material in the carcass	

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Code	Designation	FMVSS Definition	Illustration
ILSplit	Innerliner Split		
Other			
Mistest	Machine malfunction, test interrupted, or Mistest		
NVD	No Visual Finding		
TAL	Total Air Loss		
WhlF	Wheel Failure		
Shoulder Region			
ShR	Shoulder Rupture		

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Code	Designation	FMVSS Definition	Illustration
ShSlit	Slit on Shoulder		
Sidewall			
PCD-I	Ply Coat Delamination - Interface		
PCD-TC	Ply Coat Delamination – To Cords		

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Code	Designation	FMVSS Definition	Illustration
SwBlister	Blister on Sidewall		
SwCr	Sidewall Cracking		
SwR	Sidewall Rupture	The breaking away of pieces of the sidewall (with or without total air loss)	

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Code	Designation	FMVSS Definition	Illustration
SwR+DL	Sidewall Rupture with Delamination		
Tread			
TC	Tread Chunking	The breaking away of pieces of the tread (at tread region)	
TGCr	Tread Groove Cracking		

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Code	Designation	FMVSS Definition	Illustration
TLC	Tread Lug Chunking (localized, partial-depth chunking at lug)		
TShC	Tread Shoulder Chunking	The breaking away of pieces of the tread (at shoulder region)	
TShC+BE	Tread Shoulder Chunking with Belts Exposed		

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Code	Designation	FMVSS Definition	Illustration
TShCr	Tread Shoulder Cracking		
TShPoCr	Tread Shoulder Pocket Cracking	The breaking away of pieces of the tread (at tread region)	

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Revision History:

Revision	Date	Originator	Reason
1.0	January 15 th , 2006	S. Feve	Original Issue
2.0	January 17 th , 2006	S. Feve	Changed description for BIP1D and NVD
2.1	January 25 th , 2006	S. Feve	Added BBS and TGCr codes, Added Updates History, Corrected sorting by codes.
2.2	April 13 th , 2006	S. Feve	Added PCD-I and PCD-TC codes