

INDEX

Ackerman Steering Effect			
on Tire Wear.....	47		
Alignment.....	43		
Ackerman Steering Effect on			
Tire Wear.....	47		
Camber.....	46		
Caster.....	46		
Drive Axle Alignment.....	48		
In-Service Alignment			
Recommendations.....	49		
Loaded vs. Unloaded Alignment			
Settings.....	45		
Steer Axle Alignment.....	45		
Toe.....	46		
Trailer Axle Alignment.....	49		
Bearing Adjustment.....	55		
Branding Tires.....	35		
Camber.....	46		
Caster.....	46		
Center-Over-Injury Section Repairs.....	85		
Chains on Radial Truck Tires.....	95		
Collecting and Storing			
Tire Information.....	35		
Branding Tires.....	35		
Radio Frequency			
Identification Tags.....	36		
Radio Frequency Tag Usage.....	36		
Commercial Vehicle Safety Alliance			
(CVSA).....	104		
Cross-Sectional View of Typical Tire.....	6		
Crown Repair Limits.....	85		
Demounting.....	24		
Drive Axle Alignment.....	48		
Drive Tires.....	54		
Dynamometer Tests.....	96		
Factors Affecting Treadwear.....	50		
Bearing Adjustment.....	55		
Drive Tires.....	54		
Environmental Effects.....	56		
How Speed Affects Tire Wear.....	57		
Setback Steer Axles.....	53		
Steer Tire Wear.....	52		
Factors Affecting Truck Fuel Economy.....	63		
Appendix.....	78		
Environmental Conditions.....	74		
Summary.....	77		
Tire Description and Specifications.....	76		
Tire Selection and Maintenance.....	70		
Vehicle and Engine Design.....	64		
Vehicle Operation.....	67		
Federal Motor Carrier			
Safety Regulations.....	102		
Federal Motor Vehicle Safety Standards			
Testing and Certification.....	102		
In-Service Alignment Recommendations.....	49		
Inflation.....	37		
Do's and Don'ts for Maintaining			
Proper Inflation Pressure.....	42		
Nitrogen Inflation.....	42		
Underinflation.....	40		
Inspection.....	103		
Inspection Procedures.....	31		
Installation.....	23		
Loaded vs. Unloaded			
Alignment Settings.....	45		
Lubrication.....	20		
Matching of Duals.....	25		
Minimum Tread Depths.....	104		
Mixing Radial and Bias Ply Tires.....	96		
Mounting and Inflation.....	29		
Mounting Procedure.....	19		
Assembly of Tire Tube Flap.....	22		
Demounting.....	24		
Inspection Procedures.....	31		
Installation.....	23		
Lubrication.....	20		
Matching of Duals.....	25		
Mounting and Inflation.....	29		
Operation.....	31		
Proper Matching of Rim Parts.....	27		
Safety Instructions.....	20		
Safety Precautions.....	28		
Servicing Tire and Rim.....	31		
Spacers.....	26		
Spacing of Duals.....	26		
Tire and Rim Cleaning.....	21		
Tubeless Tire Mounting.....	23		
Tubes and Flaps.....	22		
Wheel Inspection Guidelines.....	20		
Nail Hole Repair Procedures.....	82		
Nitrogen Inflation.....	42		
Noise.....	97		
Operation.....	31		
Planning A Retread Plant Visit.....	87		
Plant Inspection.....	87		
Proper Matching of Rim Parts.....	27		
Radial Ply Tires.....	85		
Radial Tire Section Repairs.....	84		
Radial Tires.....	84		
Radial Section Repair Limits.....	84		
Radial Truck Tire Terms.....	5		
Cross-Sectional View of Typical Tire.....	6		
Radio Frequency Identification Tags.....	36		
Radio Frequency Tag Usage.....	36		
Regrooving/Tire Siping.....	105		
Tire Siping for Traction.....	105		
DOT Regulations on Regrooved Tire.....	106		
Labeling of Regroovable Tires.....	106		
Retread Plant Inspection Checklist.....	92		
Retreading.....	86		
Definitions.....	90		
Introduction.....	87		
Planning A Retread Plant Visit.....	87		
Plant Inspection.....	87		
Retread Plant Inspection Checklist.....	92		
Safety Instructions.....	20		
Safety Precautions.....	28		
Section Repair Limits in			
Sidewall and Shoulder Area.....	84		
Servicing Tire and Rim.....	31		
Setback Steer Axles.....	53		
Siping.....	95		
Spacers.....	26		
Spacing of Duals.....	26		
Speed and Tire Wear.....	57		
Standards and Regulations.....	101		
Commercial Vehicle Safety Alliance			
(CVSA).....	104		
Federal Motor Carrier			
Safety Regulations.....	102		
Federal Motor Vehicle Safety Standards			
Testing and Certification.....	102		
Inspection.....	103		
Minimum Tread Depths.....	104		
Steer Axle Alignment.....	45		
Steer Tire Wear.....	52		
Tire and Rim Cleaning.....	21		
Tire Description & Specifications.....	76		
Tire Industry Definitions.....	90		
Tire Repairs.....	80		
Application of Center-Over-Injury			
Section Repairs.....	85		
Crown Repair Limits.....	85		
Nail Hole Repair Procedures.....	82		
Radial Ply Tires.....	85		
Radial Tire Section Repairs.....	84		
Radial Tires.....	84		
Radial Section Repair Limits.....	84		
Section Repair Limits in			
Sidewall and Shoulder Area.....	84		
Tire Sealants And Balance Materials.....	100		
Tire Selection & Maintenance.....	70		
Tire Selection Process.....	9		
Tire Selection Process Work Sheet.....	16		
Tire Siping/Regrooving.....	105		
Tire Siping for Traction.....	105		
DOT Regulations on Regrooved Tire.....	106		
Labeling of Regroovable Tires.....	106		
Toe.....	46		
Trailer Axle Alignment.....	49		
Tube Flap Assembly.....	22		
Tubeless Tire Mounting.....	23		
Tubes and Flaps.....	22		
Underinflation.....	40		
Vehicle and Engine Design.....	64		
Vehicle Operation.....	67		
Wheel Inspection Guidelines.....	20		