



Tire Warranty Claim Procedure Manual



INTRODUCTION

Yokohama has produced this manual to provide its dealers with information needed to determine the warrantability of Yokohama tires submitted for adjustment, and to ensure timely warranty claim processing. These materials will help you better understand Yokohama products and procedures, and assist in the handling of related problems. We hope you'll find this manual an informative, easy-to-use guide for your business.



Effective 2005

WARNING

Tire changing can be dangerous, and should be done only by trained persons using proper tools and procedures. Failure to comply with proper procedures may result in incorrect positioning of the tire, tube or wheel assembly, causing serious physical injury or death.

Yokohama has prepared these warnings as a general reference that outlines procedures established by the Rubber Manufacturers Association (RMA). Details relating to these procedures can and should be obtained by contacting the RMA directly.*

- Always read and understand any manufacturer's warning contained in customer literature or molded on the tire sidewall.
- Always wear adequate eye protection at all times while mounting, dismounting or repairing tires.
- Never mount or use damaged tires, tubes or wheel assemblies.
- Always be certain tires are mounted on the correct size and type of wheel assembly, and that the intended application is correct.
- Always replace a tire on a wheel assembly with another tire of exactly the same wheel assembly diameter, designation and suffix letters. Wheel assemblies of different diameters and tapers cannot be interchanged.
- Always be certain to mount tires only on approved wheel assembly widths.
- Always inflate tires in a safety cage if a mounting machine does not have a positive lock-down device. Use an extension hose with gauge and clip-on chuck so that operator may stand aside during inflation.
- Never inflate tires beyond 40 pounds per square inch (psi) to seat beads.
- Never stand, reach or lean over a tire/wheel assembly during inflation.
- Never install a tube in a tubeless tire.
- Always deflate tires completely by removing the valve core before removal of a tire/wheel assembly from a vehicle or disassembly of components. Do not stand, lean or reach over the assembly during deflation.
- Never repair tires worn below 2/32 (1.6mm) inch (legal wear out) tread depth.
- Never attempt to repair tires with tread punctures larger than 1/4 inch in diameter or any sidewall punctures.
- Never install an inner tube as a substitute for a proper repair.
- Never perform repairs using other than industry-approved methods.
- Always remove tires from wheel assemblies for inspection prior to repairing.
- Always refer to separate Yokohama Technical Service Bulletins for fitment and balancing guidelines on particular product classifications.

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YOKOHAMA'S PHILOSOPHY OF CUSTOMER SATISFACTION

Yokohama proudly manufactures what are considered to be among the finest tires in the world. However, as in any business, customers will occasionally return products they have purchased. Regardless of the reason, how the dealer responds to a customer's problem determines whether the customer will remain a customer. This is the reason Yokohama has established guidelines for the fair and positive handling of warranty claims and customer problems. We believe our customers should receive the same respect and enthusiasm when returning for warranty service as when they originally purchased our product.

First, obtain as much information as possible from the customer. Allow them to tell you their entire story. Then, because the exact cause of the problem must be determined, thoroughly inspect the tire, including dismounting the tire, if necessary. The more thorough your inspection, the more confidence the customer will have in your level of expertise. Remember, this is an era of better educated consumers who are frequently reminded by the news media, internet and consumer organizations of consumers' legal rights.

After identifying the problem, explain the reason to the customer in simple, direct terms. If your inspection reveals a problem covered under the Yokohama warranty, properly complete the appropriate Yokohama claim form and follow established warranty claim procedures. Strict adherence to these procedures will ensure timely processing of warranty credits.

If the problem is non-warrantable (road hazard, misalignment, lack of maintenance, etc.), explain the cause of the problem in a courteous and understanding manner. Customers treated fairly and professionally will remain customers, regardless of the outcome.

The most successful approach to providing warranty service is to establish a complaint handling system. Determine who is responsible for handling customer complaints and where the work will take place. Post this information in your showroom for reference.

One final thought: customer satisfaction does not stop with the sale of the product. By offering customers fast, friendly, knowledgeable service, you can practically be assured the customer will return to you. As a result, both you and Yokohama will continue to have satisfied customers.




TIRE REGISTRATION REQUIREMENTS

The National Traffic and Motor Vehicle Safety Act 49CFR 574.7 requires that all tire dealers who sell tires must provide the tire purchaser with a pre-addressed tire registration card at the time of sale (example below). It is the Dealer's responsibility to complete the Department of Transportation (D.O.T.) tire identification number, dealer's business name, and dealer's business address on the registration card.

Yokohama dealers selling to any other dealers are required to supply a sufficient number of registration cards to those dealers for use when selling to their customers. Tire registration cards can be ordered from Yokohama by contacting our Marketing Department at 1-800-423-4544, extension 3914.

Yokohama has made this registration process even easier by adding a "tire registration" feature on its consumer website. Recognizing the importance of the tire registration, Yokohama offers this on-line option in addition to the mail-in card. Consumers can log onto www.yokohamatire.com, and find the form under Customer Service.

The National Highway Traffic Safety Administration (NHTSA) has established a hotline to help promote tire registration and consumer rights 1-800-424-9393.

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GENERAL INFORMATION ABOUT WARRANTIES

In these consumer-oriented times, products are often purchased based upon warranties covering those products. Yet warranties in general are confusing to most customers and misunderstood by many. The following explanations will be helpful to you and your customers in understanding Yokohama's warranty policies.

In the United States, product warranties are governed by both federal and state regulations. In 1975, Congress passed and put into law the Magnusson-Moss Act that governs written warranties for consumer products selling at retail for \$15.00 or more. The Uniform Commercial Code, adopted wholly or in part by most states, covers implied warranties that are either oral or written. In addition, most states have laws and regulations protecting consumer rights which vary from state to state. You should be familiar with those statutes that cover your products and marketplace.

WHAT IS A WARRANTY?

Simply stated, a warranty is a promise made by a manufacturer and/or dealer to a customer covering a product. The two basic types are as follows:

1. Implied Warranty

An implied warranty is a promise about a product before or at the time of sale. This type of warranty is a promise that the product is in good condition and ready for its intended, designed use (Warranty of Merchantability and Fitness).

2. Express Warranty

An express warranty is an explicit statement or promise covering the product that may be oral or written. Further, the express warranty may be a (a) full or (b) limited warranty.

- a) A full warranty is a promise that a product will be repaired or replaced at no cost to the customer within a specified period of time, and that the original cost will be refunded to the owner if the product cannot be repaired or replaced within the specified period. There are other stipulations that apply to this warranty not noted here.
- b) A limited warranty has a stricter criteria than the full warranty, hence the term "limited warranty." The limitations particularly apply to specific requirements for payment of replacement costs, returning the product to a repair or service location, exclusions for geographic coverage or nontransferability of warranty.

Legal Obligations for Dealerships

The Magnusson-Moss Act governs written warranties and obligates the retailer to make written warranties for products costing more than \$15.00 available to customers prior to purchase. Additionally, a copy of the applicable warranty must accompany the product at the time of purchase.

Yokohama recommends that warranties be displayed with their products in the showroom. An alternative would be to prominently post a sign indicating that warranties are available to the customer upon request.

Dealerships that are wholesaling or have associate dealerships should recognize the requirement to supply these companies with warranty information so they will be in legal compliance.

Warranty information can be ordered by calling Yokohama Tire Corporation at 1-800-423-4544, extension 3914.

YOKOHAMA WARRANTY STATEMENTS

STANDARD LIMITED WARRANTY FOR ORIGINAL EQUIPMENT PASSENGER CAR, LIGHT TRUCK AND TEMPORARY SPARE TIRES

This limited warranty provides for tire replacement under certain specified conditions. This policy applies to original equipment tires used in normal highway service displaying warrantable conditions. There is no warranty for tires which wear out, fail or become unserviceable because of neglect or mistreatment.

Warranty Eligibility

This warranty applies to every Yokohama original equipment passenger car, light truck and temporary spare tire bearing the Yokohama brand name and complete D.O.T. serial identification number. Eligible tires must be used on the vehicle on which they were originally equipped in conformance with the vehicle manufacturer's recommendations.

What is Not Warranted

Tires that have become unserviceable for the following reasons:

- Road hazard injuries or damages caused to the tire by obstacles and debris on the highway, such as cuts, punctures (whether repairable or not), snags, bruises, tears or impact breaks.
- Improper repairs or repairs that have failed.
- Under or overinflation, or other abuses.
- Incorrect mounting of the tire, or tire/wheel imbalance.
- Mechanical irregularities in the vehicle such as wheel misalignment, worn or faulty parts.
- Accident, corrosion, vandalism, fire or damage caused by nature.
- Tires used on vehicles in racing or special applications.
- Non-speed-rated temporary spare tires used over 50 MPH (80Km/h).

- Tires worn out [2/32 inch (1.6mm) or less of tread remaining].
- Tires that have been retreaded.
- Tires transferred from the vehicle on which they were originally installed.
- Tires on vehicles registered or operated outside the United States or Canada.
- Improper storage.

What is Warranted

Tires that have become unserviceable for reasons other than stated above will be replaced in accordance with this warranty.

If a warrantable condition is found, tires will be replaced as follows:

- a) Passenger car and light truck tires (other than temporary spare tires).

When a tire becomes unserviceable during the first 2/32 inch (1.6mm) of original usable tread depth or 12 months from date of vehicle purchase, whichever is to the customer's benefit, it will be replaced with a comparable new Yokohama tire free of charge. During this period, tires will be mounted and balanced without charge. Other service charges such as tire rotation, alignment or applicable taxes are payable by the customer.

When a tire has worn past the above specified period for free replacement, the customer must pay for the cost of a new comparable Yokohama passenger car or light truck tire on a prorated basis. The dealer shall determine this cost by multiplying the percentage of usable tread worn by the current retail selling price of that tire at the time of warranty replacement.

The costs of mounting, balancing and any other service charges or applicable taxes are payable by the customer.

The tire is covered by this warranty for the life of the original usable tread (the original tread depth down to the level of treadwear indicator bars molded at 2/32 inch (1.6mm) or for 48 months from the date of vehicle purchase, whichever comes first.

b) Temporary Spare Tires

When the original tread of a Yokohama temporary spare tire, used in temporary highway service on the vehicle on which it was originally installed, is worn not more than 1/32 inch (0.8mm), the tire will be replaced with a new Yokohama temporary spare tire free of charge, without charge for mounting and balancing the new tire. Additional service charges are payable by the customer.

Temporary spare tires worn in excess of 1/32 inch (0.8mm), but less than 2/32 inch (1.6mm), will be replaced and the customer charged 50% of the current retail selling price of the tire. The costs of mounting, balancing and any other service charges are payable by the customer.

Limitations and Exclusions

All implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of this written warranty.

All obligations or liabilities for loss of time, inconvenience, loss of vehicle use or any other incidental or consequential damages are hereby excluded. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply.

Yokohama's Obligations

Replacements qualifying under the warranty will be made by an authorized Yokohama dealer.

Customer's Obligations

The customer must present the claim tire, together with the vehicle on which it was used, to an authorized Yokohama dealer. Tires replaced on a warranty basis become the property of Yokohama Tire Corporation.

The customer is required to pay the adjusted price of the new tire (dealer's current retail selling price at the time of adjustment less credit allowance) and taxes. The customer is responsible for any payments arising out of dealer services such as mounting, balancing, tire rotation and alignment, unless specifically included in the applicable warranty.

To obtain the free-replacement warranty, the customer must present proof of vehicle purchase date either by the new vehicle invoice or license registration.

Legal Rights

This warranty gives you specific legal rights. You may also have other rights which may vary from state to state.

**STANDARD LIMITED WARRANTY
FOR REPLACEMENT PASSENGER CAR,
LIGHT TRUCK AND TEMPORARY
SPARE TIRES**

This limited warranty/adjustment policy provides for tire replacement under specified conditions. This policy applies to tires used in normal highway service (commercial applications excluded) displaying warrantable conditions. There is no warranty for tires which wear out, fail or become unserviceable because of neglect or mistreatment.

Warranty Eligibility

This warranty applies to every Yokohama replacement passenger car, light truck and temporary spare tire bearing the Yokohama brand name and complete D.O.T. serial identification number and operated during normal highway use (commercial applications excluded) in the United States. These tires are covered by this warranty for the life of the original usable tread depth (the original tread depth down to the level of treadwear indicator bars molded at 2/32 inch (1.6mm) or for 60 months from the date of purchase (proof of purchase required) or 72 months from the date of manufacture (if no proof of purchase available), whichever comes first. This warranty applies only to the original tire purchaser, and is not transferrable to any other party.

What is Not Warranted

Tires that have become unserviceable for the following reasons:

- Road hazard injuries or damages caused by obstacles or debris on the highway, such as cuts, punctures (whether repairable or not), snags, bruises, tears, abrasions or impact breaks.
- Improper repairs or repairs that have failed.
- Improper inflation or other maintenance abuses.
- Continued operation while flat or severely underinflated.

- Improper application of tire size and/or specification.
- Improper mounting/dismounting procedures or tire/wheel assembly balance.
- Mechanical irregularities in the vehicle or wheel, such as bent wheel assemblies, misalignment, worn or faulty components.
- Weather checking/cracking or failures resulting from these conditions on tires purchased more than four years (48 months) prior to a warranty claim. If proof of purchase is not provided, the D.O.T. serial number is used.
- Accident, corrosion, vandalism, fire or damages caused by nature.

Additional Exclusions

- Tires that have had material added after leaving a Yokohama manufacturing plant, such as fillers, sealants, balancing substances and external tire treatments or materials of any kind. If the added material is the cause of a failure, a tire will not be accepted for warranty credit.
- Tires submitted for ride disturbance complaints with more than 2/32 inch (1.6mm) treadwear.
- Tires on vehicles registered or operated outside of the United States and Canada.
- Tires not sold in the United States by the Yokohama Tire Corporation.
- Tires branded by Yokohama to note special classification at time of purchase, such as "NA" (non-adjustable), or tires altered by notching or buffing.
- Tires used on vehicles in racing or special applications.
- Improper storage.

What is Warranted

Tires that have become unserviceable for reasons other than stated above will be replaced in accordance with this warranty.

ADJUSTMENT POLICY

Passenger Car and Light Truck Tires (Other than Temporary Spare Tires)

When the original usable tread is worn $2/32$ inch (1.6mm) or less and a warrantable condition is found, the tire will be replaced with a comparable new Yokohama tire free of charge. During this period, tires will be mounted and balanced without charge. Other service charges such as tire rotation, alignment or applicable taxes are payable by the customer.

When a tire has worn past the above specified period for free replacement and a warrantable condition is found, the customer must pay for the cost of a new comparable Yokohama passenger or light truck tire on a prorated basis. The dealer shall determine this cost by multiplying the percentage of usable tread worn by the dealer's current retail selling price of that tire at the time of warranty replacement. The cost of mounting, balancing and any other service charges or applicable taxes are payable by the customer.

Passenger Car Tires Mounted on Light Trucks

Yokohama Tire Corporation's warranty policy provides coverage for all tires installed on light trucks, minivans or like designs that have or had passenger tires installed as original equipment by the vehicle manufacturer, when the Yokohama replacement tire is equal to or greater in size, ply rating, load range, load index and speed rating (if applicable) of the originally installed tire. The replacement tire must also have the same classification of tread design, i.e. rib, mud/snow, all-season, etc. as the original equipment tire. Vehicle design and/or operation other than described above will be denied coverage under all terms of the Yokohama Standard Limited Warranty for Passenger Car and Light Truck Tires.

Temporary Spare Tires

When the original tread of a Yokohama temporary spare tire used in temporary highway service on the vehicle on which it was originally installed is worn less than $1/32$ inch (0.8mm), the tire will be replaced with a new Yokohama temporary spare tire free of charge, without charge for mounting and balancing the new tire. Additional service charges are payable by the customer.

Temporary spare tires worn in excess of $1/32$ inch (0.8mm), but less than $2/32$ inch (1.6mm), will be replaced and the customer charged 50% of the dealer's current retail selling price of the tire. The cost of mounting, balancing, and any other service charges are payable by the customer.

TIRES COVERED BY 30-DAY TRIAL WARRANTY

Eligible Tires

Yokohama's Performance Promise 30-Day Trial applies to the original purchaser of a set of four Yokohama brand AVS dB S2, AVS ES100, AVID H4s/V4s, AVID T4, AVID TRZ, AVID S/T, AVID Touring, Geolandar H/T-S, Geolandar A/T+II and Geolandar M/T+ tires bearing D.O.T. serial identification number, purchased as replacement tires in the United States and operated in normal highway use (commercial use excluded) in the United States.

Eligible tires must be used on the vehicle on which they were originally installed, in conformance to the vehicle manufacturer's recommendation.

This trial offer applies to tires on vehicles registered and operated in the United States only.

The 30-Day Trial Offer

If for any reason, other than those outlined in this policy, the customer is not satisfied with their new set of Yokohama tires, within 30 days from date of purchase, eligible tires may be returned for a full refund. Refund will include the mounting and balancing fees and applicable taxes.

Returning Tires During The Trial Period

The customer has 30 days from the date of purchase to return tires to the Yokohama tire dealer from which they were purchased and must present the original sales invoice.

Refund Exclusions

Tires are not eligible for a refund if:

- There is a road hazard condition or injury such as: damage caused by obstacles or debris on the highway, cuts, punctures (whether repairable or not), snags, bruises, tears, abrasions or impact breaks.

- There is damage or failure resulting from improper operation or maintenance such as:
 - Operating while flat or severely under-inflated, improper application of tire size and/or specification, improper mounting/dismounting procedures or tire/wheel assembly balance; load, speed and inflation practices causing excessive operational temperatures that exceed tires' capabilities, damage caused by tire repair.
 - There is damage or failure resulting from: damaged rim or chain damage; wheel alignment or brake problems, mechanical irregularities in the vehicle or wheel, negligence, misuse and abusive driving, including but not limited to spinning, racing or accident damage.
 - The tires have more than a 1/32 inch (0.8mm) treadwear.

General Exclusions

The trial offer applies only to the original purchased set of four tires.

Tires are not eligible for a refund if:

- Tires have been used in motorsports activities or competitive events.
- Tires have been transferred from the vehicle on which they were originally installed.

The Performance Promise 30-Day Trial is expressed in full as described in this policy. No Yokohama dealer or employee has the authority to make promises, agreements or representations on behalf of Yokohama, other than as stated in this 30-day trial policy.

Please refer to the Yokohama Standard Limited Warranty brochure for complete warranty coverage.

LIMITED MILEAGE WARRANTY FOR STEEL-BELTED PASSENGER CAR RADIALS AND LIGHT TRUCK TIRES

In addition to the Standard Limited Warranty coverage, some Yokohama steel-belted radial tires purchased in the continental United States as replacement tires only are warranted for treadwear during a limit of five years (60 months) from the installation date. This warranty does not cover and excludes Yokohama high performance and snow tires, and passenger tires mounted on vans, pickup trucks or any other utility vehicle, except as provided by specific warranties.

Adjustment Policy

If within 60 months* from the date of mounting, the tire wears down to the treadwear indicator bars 2/32 inch (1.6mm) and the tire has not delivered the warranted miles of normal passenger car highway use (commercial applications excluded), Yokohama will provide credit for unused service toward the replacement of a new comparable Yokohama steel-belted radial tire. The customer will be charged a price equal to the percentage of the warranted miles received, multiplied by the dealer's current retail selling price of the tire at the time of adjustment. Other charges for taxes and dealer services of mounting, balancing, rotation and any others are payable by the customer.

Warranty Eligibility

This mileage warranty applies to all replacement tires listed below bearing the Yokohama brand name and complete D.O.T. serial number and operated in the United States. Eligible tires must be on the vehicle on which they were originally installed, in conformance with the vehicle manufacturer's recommendations.

40,000 Mile Warranty:

Geolandar A/T+II, Y388

50,000 Mile Warranty:

Y372 (Replacement Product Only)

60,000 Mile Warranty:

AEGIS LS4, AS430 (Excludes 40/45 series sizes), AVID H4s/V4s (Excludes 40/45 series sizes), AVID T4, AVID S/T, Geolandar H/T*, Geolandar H/T-S (G051 only), YK420

80,000 Mile Warranty:

AVID TRZ, AVID Touring

*Except OE applications

Yokohama's Obligations

Replacements qualifying under the warranty must be made by an authorized Yokohama dealer.

Customer's Obligations

The customer must present the claim tire to an authorized Yokohama retail tire dealer in the United States. To obtain mileage prorated adjustments, the owner also must present the Yokohama Mileage Warranty Certificate supplied at the time of purchase. The certificate must accompany the warranty claim form back to Yokohama for credit issuance to the Yokohama dealer. Additionally, the customer must provide proof that the tires have been rotated every 6,000 to 8,000 miles.

Limitations and Exclusions

All implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of this written warranty.

All obligations or liabilities for loss of time, inconvenience, loss of vehicle use or any other incidental or consequential damages are hereby excluded. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives the customer legal rights that may vary from state to state. The customer is advised to determine those rights for their local area and exercise them as required or deemed appropriate.

WARRANTY CLAIMS FOR RIDE QUALITY CONDITIONS

For ride quality claim requests, less than 2/32 inch (1.6mm) tread wear, please make sure you record the end user information, vehicle information, tire information and mileage received in the designated place on the claim form. If the tire is covered by a "30-day free trial" warranty provision, and ride quality is the customer's concern, please submit the tire as a ride quality claim request and also follow the guidelines below.

- Under "Reason for Removal," please tell us the customer's primary concern. A few examples of customer ride quality comments are listed below.
 - a. Vibration: floor, seat, steering wheel
Write "Ride - Vibration"
 - b. Pulling: vehicle tracking left or right
Write "Ride - Pull"
 - c. Handling: response to steering input
Write "Ride - Handling"
 - d. Comfort: isolation of road irregularities
Write "Ride - Comfort"
 - e. Noise: sound level
Write "Ride - Noise"
- In all cases, diagnostic action must be performed to assure vehicle and wheel factors are correct. If you decide a tire is to be submitted for warranty consideration, please submit only the tire in question after your investigations. Record what tire condition your investigation has defined. Examples: radial run-out "RRO", lateral run-out "LRO", dynamic balance "DB", radial force "RF", or lateral force "LF" if you use a machine with this simulation feature.
- Yokohama inspects and tests tires submitted and issues the appropriate credit based on the finding of allowed warrantable tire conditions. When submitting tires for ride related conditions, only submit the tire that is suspect. Do not return all 4 tires from one vehicle.
- As with all warranty claims, when we do not grant a warranty credit, we will return the tire freight collect if you have so indicated on the claim form.
- If you need assistance in investigating ride claims, please read the technical bulletins on this subject on the Yokohama Tire Corporation web site at www.yokohamatire.com (click on customer service and then click on service bulletins).

STANDARD LIMITED WARRANTY FOR JAPANESE ORIGINAL EQUIPMENT TRUCK/BUS TIRES

This limited warranty provides for tire replacement under certain specified conditions. This policy applies to original equipment tires used in normal highway service displaying warrantable conditions. There is no warranty for tires which wear out, fail or become unserviceable because of neglect or mistreatment.

Warranty Eligibility

This warranty applies to every Yokohama commercial light truck (LTC) and truck/bus tire bearing the Yokohama brand name and complete D.O.T. serial identification number. Eligible tires must be used on the vehicle on which they were originally equipped, in conformance with the vehicle manufacturer's recommendations.

What is Not Warranted

Tires that have become unserviceable for the following reasons:

- Road hazard injuries or damage caused to the tire by obstacles and debris on the highway, such as cuts, punctures (whether repairable or not), snags, bruises, tears or impact breaks.
- Improper repairs or repairs that have failed.
- Under or overinflation, or other abuses.
- Incorrect mounting of the tire, or tire/wheel imbalance.

- Mechanical irregularities in the vehicle, such as wheel misalignment, worn or faulty parts.
- Accident, corrosion, vandalism, fire or damage caused by nature.
- Tires used on vehicles in racing or special applications.
- Tires worn out [2/32 inch (1.6mm) or less of tread remaining].
- Tires that have been retreaded.
- Tires transferred from the vehicle on which they were originally installed.
- Tires that have been filled with foam or another substance intended to replace air for inflation.
- Tires that have had material added after leaving a Yokohama manufacturing plant, such as fillers, sealants, balancing substances and external tire treatments or materials of any kind. If the added material is the cause of failure, a tire will not be accepted for warranty credit.
- Weather checking/cracking or failures resulting from these types of conditions on tires equipped on a vehicle purchased more than 4 years (48 months) prior to warranty claim. If proof of purchase is not available, the D.O.T. serial number will be used.
- Tires on vehicles registered or operated outside the United States or Canada.
- Improper storage.
- Tires submitted for ride disturbance complaints after 2/32 inch (1.6mm) of treadwear.

What is Warranted

Tires that have become unserviceable for reasons other than stated above will be replaced in accordance with this warranty.

If a warrantable condition is found, tires will be replaced as follows:

A Yokohama commercial light truck (LTC) or truck/bus tire will be replaced with a comparable new Yokohama tire on a prorated basis if it becomes unserviceable from a condition considered warrantable during the original usable tread down to the treadwear indicators molded at 2/32 inch (1.6mm). The tread is worn out when these indicators are at the same level as the worn tread. The customer will receive credit toward the purchase of the new tire by multiplying the percentage of tread depth remaining by the dealer's current selling price of a new comparable Yokohama commercial light truck (LTC) or truck/bus tire at the time of replacement warranty service. The customer pays full Federal Excise Tax (FET) applicable to the new comparable Yokohama tire plus all mounting, balancing and other service charges.

Limitations and Exclusions

All implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of this written warranty.

All obligations or liabilities for loss of time, inconvenience, loss of vehicle use or any other incidental or consequential damages are hereby excluded. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply.

Yokohama's Obligations

Replacements qualifying under the warranty must be made by an authorized Yokohama dealer.

Customer's Obligations

The customer must present the claim tire, together with the vehicle on which it was used, to an authorized Yokohama retail tire dealer. Tires replaced on a warranty basis become the property of Yokohama Tire Corporation.

The customer is required to pay the adjusted price of the new tire (dealer's current retail selling price at the time of adjustment less credit allowance) and taxes. The customer is responsible for any payments arising out of dealer services such as mounting, balancing, tire rotation and alignment, unless specifically included in the applicable warranty.

Legal Rights

This warranty gives you specific legal rights. You may also have other rights which may vary from state to state.

STANDARD LIMITED WARRANTY FOR REPLACEMENT TRUCK/BUS TIRES

This limited warranty/adjustment policy provides for tire replacement under certain specified conditions. This policy applies to tires used in normal highway service displaying warrantable conditions. There is no warranty for tires which wear out, fail or become unserviceable because of neglect or mistreatment.

Warranty Eligibility

This warranty applies to every Yokohama truck/bus tire bearing the Yokohama brand name and complete D.O.T. serial identification number and operated in normal highway use in the United States. Eligible tires must be on the vehicle on which they were originally installed, in conformance with the vehicle manufacturer's recommendations. This warranty applies only to the original tire purchaser, and is not transferrable to any other party. Tires are covered by this warranty for the life of the original usable tread down to the tread depth indicators molded at 2/32 inch (1.6mm). The tread is worn out when those indicators are at the same level as the worn tread.

What is Not Warranted

Tires that have become unserviceable for the following reasons:

- Road hazard injuries or damage caused to the tire by obstacles and debris on the highway, such as cuts, punctures (whether repairable or not), snags, bruises, tears or impact breaks.
- Improper repairs or repairs that have failed.
- Improper inflation or other maintenance abuses.
- Continued operation while flat or severely underinflated.
- Improper application of tire size and/or specification.
- Improper mounting/dismounting procedures or tire/wheel assembly balance.
- Mechanical irregularities in the vehicle or wheel, such as bent wheel assemblies, misalignment, worn or faulty components.
- Weather checking/cracking or failures resulting from these conditions on tires purchased more than four years (48 months) prior to a warranty claim. If proof of purchase is not provided, the D.O.T. serial number is used.
- Accident, corrosion, vandalism, fire or damages caused by nature.
- Use of aftermarket tire additives, such as fillers, sealants, balancing substances and external tire treatments or materials of any kind, where the added materials are the cause of a failure.

Additional Exclusions

- Tires submitted for ride disturbance complaints after 2/32 inch (1.6mm) of treadwear.
- Tires on vehicles registered or operated outside of the United States or Canada.
- Tires not sold in the United States by Yokohama Tire Corporation.
- Tires branded by Yokohama to note special classification at time of purchase, such as "NA" (non-adjustable) or tires altered by notching or buffing.
- Improper storage.

What is Warranted

Tires that have become unserviceable for reasons other than stated above will be replaced in accordance with this warranty.

ADJUSTMENT POLICY

No Charge Adjustment

A Yokohama tire accepted for warranty credit during the first 2/32 inch (1.6mm) of treadwear due to a ride disturbance complaint only, will be replaced on a no-charge basis. During this wear period, tires will be mounted and balanced free of charge. Federal Excise Tax (FET) will not be collected on a no-charge adjustment. Other service charges, such as tire rotation and wheel alignment are payable by the customer.

Pro-rated Adjustment

For all other warrantable conditions, a Yokohama tire will be replaced on a pro-rated basis. The customer will receive credit toward the purchase of the new tire by multiplying the percentage of the tread depth remaining by the dealer's current selling price of the new comparable Yokohama tire at the time of replacement service. The customer pays full Federal Excise Tax (FET) applicable to the comparable new Yokohama tire plus all mounting, balancing and other service charges.

Yokohama's Obligations

Replacements qualifying under the warranty must be made by an authorized Yokohama dealer.

Customer's Obligations

The customer must present the claim tire to an authorized Yokohama dealer in the United States.

Limitations and Exclusions

All implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of this written warranty.

All obligations or liabilities for loss of time, inconvenience, loss of vehicle use or any other incidental or consequential damages are hereby excluded. Some states do not allow limitations on how long an implied warranty lasts, or the exclusions

or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply. This warranty gives the customer legal rights that may vary from state to state. The customer is advised to determine those rights for his/her local area and exercise them as required or deemed appropriate.

STANDARD LIMITED WARRANTY FOR MINING/ CONSTRUCTION (OFF-THE-ROAD) TIRES

This limited warranty/adjustment policy provides for tire replacement under specified conditions. This policy applies to Mining/Construction (off-the-road) tires used in normal service displaying warrantable conditions. There is no warranty for tires which wear out, fail or become unserviceable due to neglect or mistreatment.

Warranty Eligibility

This warranty applies to every Yokohama Mining/Construction (off-the-road) tire bearing the Yokohama brand name and complete D.O.T. serial identification number and operated in normal use in the United States. Eligible tires must be on the vehicle on which they were originally installed, in conformance with the vehicle manufacturer’s recommendations. This warranty applies only to the original tire purchaser, and is not transferrable to any other party. Tires are covered by this warranty for the life of the original usable tread down to 0/32 inch (0mm) remaining, not to exceed 5 years (60 months) from date of purchase.

What is Not Warranted

Tires that have become unserviceable for the following reasons:

- Road hazard injuries or damages caused to the tire by obstacles and debris, such as cuts, punctures (whether repairable or not), snags, bruises, tears or impact breaks.
- Improper inflation or other maintenance abuses.
- Improper mounting/dismounting procedures.
- Mechanical irregularities in the vehicle or wheel, such as bent wheel assemblies, misalignment, worn or faulty components.
- Accident, corrosion, vandalism, fire or damages caused by nature.
- Equipment and handling injuries or damages.
- Tires that have been foam-filled or filled with a substance intended to replace air as an inflation medium.

- Misapplication, misuse, negligence, wheel or chain damage.

Additional Exclusions

- Tires not sold in the United States by Yokohama Tire Corporation.
- Tires presented for age- or weather-related damage that have been in service in excess of 5 years (60 months).
- Tires purchased more than 5 years (60 months) prior to presentation for warranty claim. Proof of purchase date is required; if not, date of manufacture will be used.
- Earthmover haulage or scraper tires operating in excess of the rated Ton-Mile-Per-Hour (TMPH) or Ton-Kilometer-Per-Hour (TKPH) factor.
- Earthmover loader tires operated in excess of the rated Work Capacity Factor (WCF).
- Tires operated with “O” rings not approved for use with Grader and Earthmover tires.
- Tires that have been retreaded.
- Tires that have been modified after leaving the factory (added buttress shoulders, regrooving, relugging, etc.).
- Improper storage.

What is Warranted

Tires that have become unserviceable for reasons other than stated above will be replaced in accordance with this warranty.

ADJUSTMENT POLICY

The customer will receive credit toward the purchase of a comparable new Yokohama tire according to the following formulas:

- OTR tires, excluding loader tires: Multiply the percent of tread depth remaining by dealer’s original buying price.
- OTR tires, loader tires only: Use the lesser of the following tread depth and warranty period calculations:
 1. Multiply the percent of tread depth by dealer’s original buying price.
 2. Multiply the percent of tire warranty period remaining by dealer’s original buying price.

The customer pays full Federal, State, and local taxes applicable to the comparable new Yokohama tire, plus all mounting, balancing and other service charges. Tires are covered by this warranty for the life of the original usable tread down to 0/32 inch (0mm) remaining, not to exceed 5 years (60 months) from date of purchase.

Yokohama’s Obligations

Replacements qualifying under the warranty must be made by an authorized Yokohama dealer.

Customer’s Obligations

The customer must present the claim tire to an authorized Yokohama retail tire dealer in the United States. In the case of Mining/Construction (Off-The-Road) tires, the customer must provide prior notification to the servicing dealer that a tire evaluation is needed for warranty purposes.

Limitations and Exclusions

All implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of this written warranty.

All obligations or liabilities for loss of time, inconvenience, loss of vehicle use or any other incidental or consequential damages are hereby excluded. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply. This warranty gives the customer legal rights that may vary from state to state. The customer is advised to determine those rights for their local area and exercise them as required or deemed appropriate.

CALCULATING TREADWEAR PRORATIONS

HOW TO MAKE A TREADWEAR PRORATION ADJUSTMENT

1. Make certain the tire condition is warrantable and the treadwear proration coincides with its appropriate warranty.
2. Use a tread depth gauge calibrated in 32nds of an inch to measure the remaining tread depth using the Yokohama recommended tread depth measuring points. Do not measure an area with the treadwear indicator bar. Refer to section titled "Tread Depth Measuring Points" for measurement guide.
3. Using the Treadwear Proration Table below, locate the column labeled "Remaining Tread Depth" matching the tire gauge measurement.
4. Read across the top and stop at the appropriate "Original Tread Depth" column. Move down until you reach the horizontal line indicating the actual remaining tread depth of the tire. That number represents the percentage of wear the tire has delivered to the customer.

5. Now multiply the percentage of wear by your current retail selling price to compute the customer's replacement tire buying price.

The D.O.T. has established a protective passenger tire safety requirement. The last 2/32 inch (1.6mm) of tread depth is not calculated, although the user does not relinquish that amount of tread when applying a prorated adjustment. Yokohama molds multiple 2/32 inch (1.6mm) tread depth indicator bars or bands, across the tread of all passenger car tires. When these bars become visible, the amount of usable tire tread has worn out and the tire should be replaced.

TREADWEAR PRORATION TABLE

The table below shows percentage of wear per tread depth measurement. Using this table helps you calculate prorated adjustment prices for Yokohama tires with 3/32 inch (2.4mm) or more remaining tread. Credit will be issued only on warrantable tires with 3/32 inch (2.4mm) or more remaining tread (except for temporary spare tire).

Remaining Tread Depth in 1/32"	Original Tread Depth in 1/32"																															
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
3	67	75	80	83	86	88	89	90	91	92	92	93	93	94	94	94	95	95	95	95	96	96	96	96	96	96	96	97	97			
4	33	50	60	67	71	75	78	80	82	83	85	86	87	88	88	89	89	90	90	91	91	92	92	92	93	93	93	93	93			
5	0	26	40	50	57	63	67	70	73	75	77	79	80	81	82	83	84	85	86	86	87	88	88	88	89	89	90	90				
6		0	20	33	43	50	56	60	64	67	69	71	73	75	76	78	79	80	81	82	83	83	84	85	85	86	86	87				
7			0	17	29	38	44	50	55	58	62	64	67	69	71	72	74	75	76	77	78	79	80	81	81	82	83	83				
8				0	14	25	33	40	45	50	54	57	60	63	65	67	68	70	71	73	74	75	76	77	78	79	79	80				
9					0	13	22	30	36	42	46	50	53	56	59	61	63	65	67	68	70	71	72	73	74	75	76	77				
10						0	11	20	27	33	38	43	47	50	53	56	58	60	62	64	65	67	68	69	70	71	72	73				
11							0	10	18	25	31	36	40	44	47	50	53	55	57	59	61	63	64	65	67	68	69	70				
12								0	9	17	23	29	33	38	41	44	47	50	52	55	57	58	60	62	63	64	66	67				
13									0	8	15	21	27	31	35	39	42	45	48	50	52	54	56	58	59	61	62	63				
14										0	8	14	20	25	29	33	37	40	43	45	48	50	52	54	56	57	59	60				
15											0	7	13	19	24	28	32	35	38	41	43	46	48	50	52	54	55	57				
16												0	7	13	18	22	26	30	33	36	39	42	44	46	48	50	52	53				
17													0	6	12	17	21	25	29	32	35	38	40	42	44	46	48	50				
18														0	6	11	16	20	24	27	30	33	36	38	41	43	45	47				
19															0	6	11	15	19	23	26	29	32	35	37	39	41	43				
20																0	5	10	14	18	22	25	28	31	33	36	38	40				
21																	0	5	10	14	17	21	24	27	30	32	34	37				
22																		0	5	9	13	17	20	23	26	29	31	33				
23																			0	5	9	13	16	19	22	25	28	30				
24																				0	4	8	12	15	19	21	24	27				
25																					0	4	8	12	15	18	21	23				
26																						0	4	8	11	14	17	20				
27																							0	4	7	11	14	17				
28																								0	4	7	10	13				
29																									0	4	7	10				
30																										0	3	7				
31																											0	3				
32																												0	3			

CALCULATING MILEAGE PRORATIONS

HOW TO MAKE A MILEAGE PRORATION ADJUSTMENT

1. Obtain the Yokohama Mileage Warranty booklet with certificates and proof of tire rotation record from the tire owner. These are required to qualify for a mileage warranty adjustment. If the customer does not present mileage certificate(s) and tire rotation record, they will not receive a mileage adjustment.
2. Make certain the tire line is eligible for mileage consideration as listed in the YTC Mileage Warranty booklet and the total warranty mileage is in accordance with the stated warranty covering the tire.
3. Compare the odometer mileage against the mileage certificate(s) to determine the tire's actual mileage used.
4. In the Mileage Proration Table below, look across the "Mileage Received" row to the applicable "Warrantable Miles" column for the percent to charge for a replacement tire.
5. Multiply the percent number by your current retail selling price to compute the replacement price of a new tire to the customer.
6. Complete a new Yokohama Mileage Warranty booklet for the new tire(s) being mounted.
7. Attach the mileage certificate(s) (number of certificates used equals number of tires being adjusted) and tire rotation record to the Yokohama Standard Warranty Claim Form.

MILEAGE PRORATION TABLE

Mileage Received	Warrantable Miles					Mileage Received	Warrantable Miles				
	40,000	45,000	50,000	60,000	80,000		40,000	45,000	50,000	60,000	80,000
1,000	3%	2%	2%	2%	1%	41,000	N/A	91%	82%	68%	51%
2,000	5%	4%	4%	3%	3%	42,000		93%	84%	70%	53%
3,000	8%	6%	6%	5%	4%	43,000		96%	86%	72%	54%
4,000	10%	9%	8%	7%	5%	44,000		98%	88%	73%	55%
5,000	13%	11%	10%	8%	6%	45,000		100%	90%	75%	56%
6,000	15%	13%	12%	10%	8%	46,000		N/A	92%	77%	58%
7,000	18%	16%	14%	12%	9%	47,000			94%	78%	59%
8,000	20%	18%	16%	13%	10%	48,000			96%	80%	60%
9,000	23%	20%	18%	15%	11%	49,000			98%	82%	61%
10,000	25%	22%	20%	17%	13%	50,000			100%	83%	63%
11,000	28%	24%	22%	18%	14%	51,000			N/A	85%	64%
12,000	30%	27%	24%	20%	15%	52,000				87%	65%
13,000	33%	29%	26%	22%	16%	53,000				88%	66%
14,000	35%	31%	28%	23%	18%	54,000				90%	68%
15,000	38%	33%	30%	25%	19%	55,000				92%	69%
16,000	40%	36%	32%	27%	20%	56,000				93%	70%
17,000	43%	38%	34%	28%	21%	57,000				95%	71%
18,000	45%	40%	36%	30%	23%	58,000				97%	73%
19,000	48%	42%	38%	31%	24%	59,000				98%	74%
20,000	50%	44%	40%	33%	25%	60,000				100%	75%
21,000	53%	47%	42%	35%	26%	61,000				N/A	76%
22,000	55%	49%	44%	37%	28%	62,000					78%
23,000	58%	51%	46%	38%	29%	63,000					79%
24,000	60%	53%	48%	40%	30%	64,000					80%
25,000	63%	56%	50%	42%	31%	65,000					81%
26,000	65%	58%	52%	43%	33%	66,000					83%
27,000	68%	60%	54%	45%	34%	67,000					84%
28,000	70%	62%	56%	47%	35%	68,000					85%
29,000	73%	64%	58%	48%	36%	69,000					86%
30,000	75%	67%	60%	50%	38%	70,000					88%
31,000	78%	69%	62%	52%	39%	71,000					89%
32,000	80%	71%	64%	53%	40%	72,000					90%
33,000	83%	73%	66%	55%	41%	73,000					91%
34,000	85%	76%	68%	57%	43%	74,000					93%
35,000	88%	78%	70%	58%	44%	75,000					94%
36,000	90%	80%	72%	60%	45%	76,000					95%
37,000	93%	82%	74%	62%	46%	77,000					96%
38,000	95%	84%	76%	63%	48%	78,000					98%
39,000	98%	87%	78%	65%	49%	79,000					99%
40,000	100%	89%	80%	67%	50%	80,000					100%

TREAD DEPTH MEASURING POINTS

PASSENGER CAR



Rib



All-Season

HIGH PERFORMANCE



High Performance



All-Season

LIGHT TRUCK



Rib



All-Season



Traction

TRUCK/BUS



Rib



Traction

MINING/CONSTRUCTION (OFF-THE-ROAD)



Rock Tread



Traction Tread

ORIGINAL TREAD DEPTHS

PASSENGER CAR TIRES

AEGIS LS4

P175/70R13 82S	10/32"
P175/65R14 81S	10/32"
P185/65R14 85S	10/32"
P235/75R15 105S	12/32"
All Others	11/32"

AVID H4/V4

P185/65R14 85H	10/32"
P195/65R14 88H	10/32"
P185/60R14 82H	10/32"
P195/60R14 85H	10/32"
P185/65R15 86H	10/32"
P195/65R15 89H	10/32"
P195/60R15 87H	10/32"
215/45R17 87H	10/32"
All Others	11/32"

AVID H4s/V4s

P245/50R16 96V	11/32"
P255/50R16 99V	11/32"
P245/45R17 95H	11/32"
255/40R17 94H	11/32"
All Others	10/32"

AVID S/T

P295/50R15 105T	12/32"
All Others	11/32"

AVID T4

P175/70R13 82T	10/32"
P175/65R14 81T	10/32"
P185/65R14 85T	10/32"
P195/65R14 88T	10/32"
P185/60R14 82T	10/32"
P195/60R14 85T	10/32"
P185/65R15 86T	10/32"
P195/65R15 89T	10/32"
P195/60R15 87T	10/32"
P195/50R15 81T	10/32"
P225/60R16 97T	10/32"
P205/55R16 89T	10/32"
P235/55R16 96T	10/32"
All Others	11/32"

AVID Touring

P175/65R14 81S	10/32"
P185/65R14 85S	10/32"
P235/75R15 105S	12/32"
All Others	11/32"

AVID TRZ

P185/60R14 82T	11/32"
P185/65R14 85T	11/32"
P195/70R14 90T	12/32"
P185/60R15 84T	11/32"
P195/60R15 87T	11/32"
P195/65R15 89T	11/32"
P205/60R15 90T	11/32"
P205/65R15 92T	11/32"
P205/70R15 95T	12/32"
P215/60R15 93T	12/32"
P215/65R15 95T	12/32"
P215/70R15 98T	12/32"
P205/55R16 89T	11/32"
P205/60R16 91T	11/32"
P205/65R16 94T	11/32"
P215/55R16 91T	12/32"
P215/60R16 94T	12/32"
P215/65R16 98T	12/32"
P225/55R16 94T	12/32"
P225/60R16 98T	12/32"
P235/60R16 99T	12/32"
P225/55R17 95T	12/32"
P225/60R17 98T	12/32"

AVS dB

P195/65R15	10/32"
P275/40R17	10/32"
275/35ZR18	10/32"
All Others	11/32"

AVS dB S2

225/55ZR16 95W	11/32"
P245/50ZR16 96W	11/32"
P245/45ZR17 95W	11/32"
255/40ZR17 94W	11/32"
P255/45ZR17 92W	11/32"
245/40ZR18 93W	11/32"
255/45ZR18 99W	11/32"
All Others	10/32"

AVS S1 All Sizes 10/32"

AVS S1-Z

All Sizes	10/32"
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AVS Sport

All Sizes	10/32"
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A008 165/70R10 72H 9/32"

A008P All Sizes 10/32"

A022 A All Sizes 10/32"

A022 H0

All Sizes	10/32"
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A022 H.1

205/50ZR15 (LF)	10/32"
205/50ZR15 (RF)	10/32"
225/50ZR16 (LR)	10/32"
225/50ZR16 (RR)	10/32"

A028 All Sizes 10/32"

ADVAN Neova

175/55R16 80W	9/32"
205/50R17 89W	9/32"
225/45R17 91W	10/32"
235/40R17 90W	10/32"
245/40R17 91W	10/32"
255/40R17 94W	10/32"
225/40R18 88W	10/32"
225/45R18 91W	10/32"
235/40R18 91W	10/32"
255/40R18 95W	10/32"
265/35R18 93W	10/32"
285/30R18 93W	10/32"
295/30R18 94W	10/32"

ADVAN S.T.

225/55R17 101W	10/32"
235/65R17 108W	10/32"
255/50R17 101W	10/32"
255/60R17 110W	10/32"
275/55R17 109W	11/32"
235/50R18 101W	10/32"
235/55R18 100W	10/32"
235/60R18 107W	10/32"
255/55R18 109W	10/32"
285/50R18 109W	11/32"
255/50R19 107W	10/32"
285/45R19 107W	11/32"
295/45R19 109W	10/32"
265/50R20 111W	11/32"
275/40R20 106Y	11/32"
275/50R20 113W	11/32"
285/45R20 112Y	10/32"
295/40R20 106Y	10/32"
295/45R20 114W	11/32"
305/45R20 116W	11/32"
315/35R20 110Y	11/32"
295/30R22 103Y	10/32"
295/35R22 108Y	10/32"
305/40R22 114W	11/32"
315/30R22 107Y	10/32"
305/35R23 111W	11/32"
305/35R24 112W	11/32"

ORIGINAL TREAD DEPTHS CONTINUED

ADVAN A032R	All Sizes	6/32"
A043A	All Sizes	10/32"
A046D	All Sizes	9/32"
ADVAN A048	All Sizes	6/32"
A378	P175/70R13 82H P185/65R14 85H P185/60R14 82H P195/60R14 85H All Others	10/32" 10/32" 10/32" 10/32" 11/32"
A520	P255/45ZR17 255/40ZR17 94W P275/40ZR17 P285/40ZR17 All others	11/32" 11/32" 11/32" 11/32" 10/32"
A680	All Sizes	10/32"
AD07	175/55R16 80W 225/45R17 91W	9/32" 10/32"
AS301	P185/60R14 82S P195/60R14 85S P195/60R15 87S All Others	10/32" 10/32" 10/32" 11/32"
E102	All Sizes	9/32"
ES100	All Sizes	10/32"
Guardex 720	All Sizes	12/32"
Guardex 721	All Sizes	12/32"
Guardex 600	All Sizes	10/32"
Guardex F310	All Sizes	11/32"
Nexus	All Sizes	10/32"
Parada	All Sizes	10/32"
Parada Spec-2	All Sizes	10/32"
S330	All Sizes	10/32"
S380	All Sizes	12/32"

S480	205/50R15 86H 225/50R15 91H 195/55R15 84H 205/55R15 84H 225/50R16 92H 205/55R16 89H All Others	11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 12/32"
S990	All Sizes	5/32"
V801	All Sizes	12/32"
Y360	P155/80R13 P165/80R13 P175/80R13 All Others	10/32" 10/32" 10/32" 11/32"
Y370G	P235/75R15 105S P235/75R15 108S P235/75R15 108S XL All Others	12/32" 12/32" 12/32" 11/32"
Y372	All Sizes	10/32"
Y372A	All Sizes	11/32"
Y372B	All Sizes	10/32"
Y372D	All Sizes	10/32"
Y376	All Sizes	10/32"
Y376A	All sizes	10/32"
Y376B	All Sizes	10/32"
Y376M	All Sizes	10/32"
Y376R	All Sizes	10/32"
Y379	All Sizes	10/32"
Y379B	P165/70R13 78S	10/32"
Y380	All Sizes	10/32"
Y388	185/60R14 82H 195/60R14 85H 195/60R15 87H P195/65R15 89H All Others	10/32" 10/32" 10/32" 10/32" 11/32"
Y390	All Sizes	9/32"
Y390R	All Sizes	10/32"
Y811	P255/75R15 All Others	12/32" 11/32"

Y815B	All Sizes	12/32"
Y816	All Sizes	12/32"

LIGHT TRUCK TIRES – RADIAL PLY

AVS S/T	265/70R16 112H 285/70R16 116H 285/60R17 111V 285/50R18 109V 285/55R18 113V 285/60R18 116V 285/55R19 114W 295/45R20 110W All Others	12/32" 12/32" 12/32" 12/32" 12/32" 12/32" 12/32" 12/32" 11/32"
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Geolandar A/T

P225/70R15	12/32"
LT215/75R15 (C)	13/32"
LT235/75R15(C)	14/32"
LT225/75R16 (D)	13/32"
LT235/85R16(E)	14/32"
LT245/75R16 (E)	14/32"
32x11.50R15	16/32"
33x12.50R15	16/32"
All Others	15/32"

Geolandar A/T+

P235/75R15 108S	14/32"
P225/70R15 100S	12/32"
All Other P-Metric Sizes	16/32"
LT215/75R15 (C) 100Q	13/32"
LT235/75R15 (C) 104Q	14/32"
LT235/85R16 (E) 120S	14/32"
LT225/75R16 (D) 110Q	13/32"
LT245/75R16 (E) 120Q	14/32"
LT265/75R16 (D) 119Q	15/32"
30x9.50R15 (C) 104S	15/32"
31x10.50R15 (C) 109Q	15/32"
32x11.50R15 (C) 113Q	16/32"
33x12.50R15 (C) 108Q	16/32"

ORIGINAL TREAD DEPTHS CONTINUED

Geolandar A/T+II

P225/70R15 100S	12/32"
P235/75R15 108S	12/32"
P235/70R16 104S	12/32"
245/65R17 107H	12/32"
245/70R16 107S	13/32"
P255/70R16 109S	13/32"
P265/70R16 111S	13/32"
P265/70R17 113S	13/32"
P275/65R17 113H	13/32"
LT265/75R16 119S (D)	16/32"
All Other LT Metric	17/32"
30x9.50R15 104S (C)	18/32"
LT285/75R16 122Q (D)	18/32"
LT315/75R16 113Q (C)	19/32"
31x10.50R15109S (C)	19/32"
32x11.50R15 113S (C)	19/32"
33x12.50R15 108S (C)	19/32"

Geolandar H/T (G031)

265/70R16 112S	12/32"
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Geolandar H/T (G033)

235/60R16 100H	10/32"
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Geolandar H/T (G034)

P225/75R15 102S	11/32"
All Others	12/32"

Geolandar H/T (G034A)

P225/75R16 104S	11/32"
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Geolandar H/T (G035)

P215/60R16 94H	10/32"
P225/60R16 97H	10/32"
P215/55R17 93V	10/32"

Geolandar H/T (G038G)

265/60R18 110V	11/32"
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Geolandar H/T (G039)

P255/70R16 109S	11/32"
265/70R16 112S	12/32"

Geolandar H/T (G046)

195/55R15 84V	10/32"
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Geolandar H/T (G900)

All Sizes	10/32"
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Geolandar H/T-S (G051)

P265/70R15 110S	12/32"
P265/75R15 112S	12/32"
P255/70R16 112S	12/32"
P265/70R16 111S	12/32"
P275/70R16 114S	12/32"
P265/70R17 113S	12/32"
P275/60R17 110H	12/32"
LT215/75R15 100Q (C)	13/32"

LT225/75R16 110Q (D)	13/32"
LT265/75R16 119Q (D)	14/32"
LT235/75R15 104Q (C)	14/32"
LT285/75R16 122Q (D)	15/32"
30x9.50R15 104Q (C)	15/32"
31x10.50R15 109Q (C)	15/32"
All Others	11/32"

Geolandar H/T-S (G052)

235/65R17 108H	11/32"
255/55R18 109H	11/32"
265/60R18 110H	11/32"
P275/45R20 106H	11/32"
All Others	12/32"

Geolandar H/T-S (G053)

LT215/85R16 115Q (E)	13/32"
LT235/85R16 120Q (E)	14/32"
LT245/75R16 120Q (E)	14/32"

Geolandar M/T+

All LT Sizes	17/32"
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RY103

215/70R17.5	15/32"
215/75R17.5	16/32"
All Others	16/32"

RY215

All Sizes	13/32"
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SD-05

P235/75R15	11/32"
LT195/75R14	15/32"
LT215/75R15	15/32"
LT235/75R15	14/32"
LT225/75R16	15/32"
LT245/75R16	15/32"
LT215/85R16	17/32"
LT235/85R16	17/32"
30x9.50R15 LT	14/32"
35x12.50R15 LT	18/32"

SD-05A

All Sizes	16/32"
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SD-05B

All Sizes	11/32"
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TY025

7.50R16	19/32"
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TY088

195/65R16	16/32"
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TY213A

LT215/85R16	15/32"
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Y356

All Sizes	11/32"
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Y703B

8R17.5 (E)	18/32"
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Y720

7.00-15 6 (C)	18/32"
7.50-16 8 (D)	19/32"

Y735B

7.50R16 (E)	18/32"
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Y742

LT235/85R16 (E)	18/32"
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Y742S

All Sizes	18/32"
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Y785R

8R17.5 (E)	13/32"
7.50R16	14/32"

Y788R

LT215/85R16 (D)	13/32"
LT215/85R16 (E)	13/32"
All Others	14/32"

Y811

LT215/85R16 (D)	16/32"
LT235/85R16 (E)	17/32"

Y815B

All Sizes	12/32"
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ORIGINAL TREAD DEPTHS CONTINUED

**MEDIUM & HEAVY
DUTY TRUCK TIRES –
RADIAL PLY**

LY053	All Sizes	31/32"
MY243	445/65R22.5 All Others	20/32" 19/32"
MY507	255/70R22.5 275/70R22.5 All Others	20/32" 22/32" 26/32"
MY507A	445/65R22.5 All Others	24/32" 23/32"
RY023	225/70R19.5 245/70R19.5 265/70R19.5 285/70R19.5 12R22.5 All Others	16/32" 16/32" 17/32" 17/32" 20/32" 19/32"
RY083/RY083A*	All Sizes	19/32"
RY103	245/75R22.5 265/75R22.5 255/70R22.5 315/80R22.5 295/75R22.5 275/70R22.5	17/32" 17/32" 17/32" 18/32" 17/32" 17/32"
RY103A	215/75R17.5	16/32"
RY103LT	215/70R17.5 215/75R17.5	15/32" 16/32"
RY112A	All Sizes	13/32"
RY123	All Sizes	18/32"
RY253	445/65R22.5 All Others	20/32" 19/32"
RY567	All Sizes	22/32"
RY587	All Sizes	13/32"
RY617	All Sizes	18/32"
RY637	All Sizes	19/32"

TY203/TY203A	11.00R20 12R22.5 All Others	27/32" 27/32" 26/32"
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TY287	225/70R19.5	19/32"
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TY303/TY303A	295/75R22.5 11R22.5 11R24.5 285/75R24.5 11R24.5 255/70R22.5 295/75R22.5 265/70R19.5 285/70R19.5 11R22.5 11R24.5 225/70R19.5	28/32" 28/32" 28/32" 28/32" 28/32" 24/32" 28/32" 21/32" 21/32" 28/32" 28/32" 20/32"
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TY303A	215/75R17.5	18LTC
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TY517	All Sizes	28/32"
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TY527	All Sizes	32/32"
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TY577	All Sizes	30/32"
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Y713/Y713B	315/80R22.5 8.25R20 9.00R20 11.00R20 11.00R22 9R22.5 10R22.5 12R22.5 All Others	18/32" 20/32" 21/32" 23/32" 23/32" 20/32" 21/32" 23/32" 22/32"
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Y773	10.00R22 11R22.5 11R24.5 12R22.5 315/80R22.5	19/32" 19/32" 19/32" 20/32" 21/32"
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Y785R	7.50R15 8.25R15 10.00R15 10R22.5 8.25R20 9.00R20 13/80R20	14/32" 15/32" 18/32" 16/32" 15/32" 16/32" 19/32"
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	14/80R20 9R17.5 HC 10R17.5 11R17.5 HC 9R22.5 All Others 10.00R20	19/32" 15/32" 17/32" 18/32" 15/32" 16/32" 16/32"
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Y793R	All Sizes	18/32"
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* Includes MC² and premium type tires.

CLAIM FORM INSTRUCTIONS

The Yokohama Standard Warranty Claim Form must be properly completed by both the dealer and customer. Be certain to provide all required information as listed below to avoid delays in processing warranty credits.

- 1 Detach tire identification stickers from back of claim form by tearing along perforated line. See Note.
- 2 Check box if tire(s) determined non-adjustable by Yokohama is to be returned to the dealer freight collect.
- 3 Print Yokohama dealer name and address.
- 4 Print Yokohama dealer account number.
- 5 Provide claim date.
- 6 Provide Associate Dealer name or National Account name and address (if applicable).
- 7 Print National Account number (if applicable).
- 8 Print end user name, address, phone number and email address.
- 9 Is tire Original Equipment? Check Yes or No.
- 10 Print vehicle year, make and model.
- 11 Print vehicle mileage.
- 12 Add the date vehicle purchased.
- 13 Provide Vehicle Identification Number (if claim tire(s) is original equipment).
- 14 Complete section for mileage warranty claim only (be certain to attach mileage certificate(s)).
- 15 Fill-in tire(s) size, ply rating and tread pattern.
- 16 Print Department of Transportation serial number.
- 17 Print remaining tread depth (in 32nds of an inch).
- 18 Print brief explanation of why tire(s) was removed from service.
- 19 Check position of claim tire(s) and indicate line item number from below.
- 20 Have customer sign and date. This is required in order to process claim.
- 21 Attach completed mileage Certificate(s) from YTC Mileage Warranty booklet.

NOTE: Affix corresponding tire identification sticker(s) to the tread portion of claim tire(s). For example, a sticker numbered D12345-1 would be placed on the tire listed as line item #1 on claim form number D12345. Sticker number D12345-2 would be placed on the tire listed as line item #2, and so on.

STANDARD WARRANTY CLAIM FORM USE FOR YOKOHAMA AND MOHAWK BRANDS		CLAIM ADJUSTMENT NO. _____																																																																																												
YOKOHAMA TIRE CORPORATION 601 S. ACACIA AVE. • FULLERTON, CA 92831-5197 WARRANTY CLAIMS ASSISTANCE 800/433-9851, EXT. 584		NOTICE TO DEALER If claim is disallowed, the product will be scrapped unless the box below is checked. 2 <input type="checkbox"/> RETURN FREIGHT COLLECT																																																																																												
NOTE: DEALER MUST COMPLETE ALL NON-SHADED AREAS. SHADED AREAS ARE FOR YOKOHAMA USE ONLY.																																																																																														
DEALER NAME STREET ADDRESS 3 CITY, STATE, ZIP CODE YOKOHAMA DEALER NUMBER 4	ASSOCIATE DEALER OR NATIONAL ACCOUNT NAME STREET ADDRESS 6 CITY, STATE, ZIP CODE NATIONAL ACCOUNT NUMBER (IF APPLICABLE) 7	CUSTOMER NAME END USER STREET ADDRESS 8 CITY, STATE, ZIP CODE PHONE NUMBER E-MAIL ADDRESS																																																																																												
ORIGINAL EQUIPMENT <input type="checkbox"/> YES <input type="checkbox"/> NO 9	VEHICLE YEAR 10 MAKE MODEL VEHICLE MILEAGE 11 DATE VEHICLE PURCHASED (IF O.E.) 12 VEHICLE IDENTIFICATION NUMBER (IF O.E.) 13 COMPLETE FOR MILEAGE CLAIMS ONLY (Attach mileage certificate(s)) ODOMETER AT TIRE REMOVAL _____ ODOMETER AT TIRE INSTALLATION _____ 14 TOTAL MILEAGE RECEIVED _____	POSITION OF CLAIM TIRE(S) (Please check and indicate item number) <div style="text-align: center;"> </div>																																																																																												
CUSTOMER NOTICE Read Carefully Before Signing I hereby certify that to the best of my knowledge the foregoing statements are correct, that I am the owner of the product presented for claim and that the product described was not involved in any accident, personal injury, consequential damage or other loss. I accept credit in lieu of further claim. I understand that the tire(s), detailed on this claim, become the property of Yokohama Tire Corporation.		21 MILEAGE COUPONS MUST BE ATTACHED FOR MILEAGE CLAIM TO BE VALID. Attach Mileage Coupons Here																																																																																												
CUSTOMER SIGNATURE _____ DATE _____ 20																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">LINE</th> <th rowspan="2">PART NUMBER</th> <th rowspan="2">SIZE / DESCRIPTION</th> <th rowspan="2">DOT SERIAL NUMBER</th> <th rowspan="2">RTD (32")</th> <th rowspan="2">REASON FOR REMOVAL</th> <th rowspan="2">REB</th> <th rowspan="2">WARRANTY CODE</th> <th rowspan="2">ADJUSTMENT CODE</th> <th colspan="2">CASING</th> <th rowspan="2">TIRE REFUND</th> <th rowspan="2">RUBBER REFUND</th> <th rowspan="2">HANDLING</th> <th rowspan="2">C.B.</th> </tr> <tr> <th>G</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			LINE	PART NUMBER	SIZE / DESCRIPTION	DOT SERIAL NUMBER	RTD (32")	REASON FOR REMOVAL	REB	WARRANTY CODE	ADJUSTMENT CODE	CASING		TIRE REFUND	RUBBER REFUND	HANDLING	C.B.	G	S	1															2		15	16	17	18										3															4															5														
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WARRANTY CLAIM PROCESSING PROCEDURES

1. With the exception of "L" and "LL" mining and construction tires, all warrantable tires should be shipped to the Yokohama Service Center that services your dealer location. Warrantable tires should be shipped freight collect as follows:
 - 750 pounds is the minimum weight to qualify for a return. Returns may be made at any time after reaching 750 pounds.
 - If the minimum weight cannot be reached, you may return all accumulated warranty claim tires within 45 days from the date of the previous claim tire return.
 - The Yokohama Tire Divisional Service Center Manager must be contacted for shipment authorization and directions as to the proper carrier for transportation of your shipment. This authorization is fundamental to the shipment being received freight collect.
 - Claim forms are to be placed in an envelope, properly addressed to the appropriate Yokohama Service Center location, and noted as a separate item on the Bill of Lading. The weight of the envelope reflected on the Bill of Lading is one pound. This envelope is to be securely attached to the tread of one of the claim tires by using tape. Do not give the envelope to the truck driver.
 - The accompanying claim forms **MUST** be completed in accordance with the Claim Form Instructions as listed on page 28. All forms must bear the customer's signature. Remember, claim forms completed improperly will be returned to the dealer.
 - Bills of Lading for adjustment tires must read as follows (example):
- A freight rate of Class 50, Scrap Pneumatic Rubber Tires, is to be used without exception, unless authorized by the Service Center Manager. Any difference in the agreed upon prepaid freight amounts shall be charged back to the sending party.

Note: This processing procedure covers warrantable tires only. Yokohama reserves the right to either return non-warranted tires to the dealer on a freight-collect basis, or charge back to the dealer the actual expense incurred by Yokohama in handling, freight, and disposal of non-warranted tires.
2. Warranty credits will be issued by credit memo to authorized Yokohama dealers and National Accounts.
3. Fill out the claim forms clearly and completely.
4. Affix corresponding tire identification stickers to the tread portion of claim tires. For example, a sticker numbered D12345-1 would be placed on the tire listed as line item #1 on claim form number D12345. Sticker number D12345-2 would be placed on the tire listed as line item #2, and so on. Claim tires are to have the damaged/warrantable area clearly marked in white or yellow tire crayon.

QTY	DESCRIPTION	WEIGHT
15	Scrap Tires, Class 50	(actual weight)
1	Adjustment Tire Claim Forms (Envelope)	1lb.

DEALER ALLOWANCES FOR WARRANTY CLAIMS

On all approved tire warranty claims, we will credit the dealer a handling allowance as follows:

1. Passenger Car Tires:

For handling allowance during the first 25% of treadwear, \$10.00 per tire, after 25% of treadwear, \$5.00 per tire. For original equipment tire(s) adjusted by an associate dealer of an authorized YTC dealer, Yokohama will pass an additional \$10.00 allowance for the first 25% treadwear, or a \$5.00 allowance after 25% treadwear. The associate dealer handling allowance will not be issued unless the associate dealer is clearly identified on the claim form and appears on a list of associate dealers previously provided by the authorized YTC dealer. For mileage allowance: During the first 10,000 miles, \$10.00 per tire. After 10,000 miles, \$5.00 per tire.

2. Light Truck (LTC), (LTR) and Truck/Bus Tires:

\$5.00 per tire during the original tread life (excluding tires that have been retreaded or that are being turned in for a casing allowance).

3. Mining/Construction (Off-The-Road) Tires:

Size (Rim Diameter)	Amount
24"	\$20.00/tire
25" (16.00, 23.5 & smaller)	\$20.00/tire
25" (18.00, 26.5 & larger)	\$45.00/tire
29"	\$70.00/tire
33" & 35"	\$90.00/tire
39-49"	
first 30% of treadwear	\$150.00/tire
after 30% of treadwear	\$100.00/tire
30-56.5"	
first 30% of treadwear	\$150.00/tire
after 30% of treadwear	\$100.00/tire
45/65-45"	
first 30% of treadwear	\$150.00/tire
after 30% of treadwear	\$100.00/tire
30.00-51"	
first 30% of treadwear	\$200.00/tire
after 30% of treadwear	\$150.00/tire
33.00-51"	
first 30% of treadwear	\$200.00/tire
after 30% of treadwear	\$150.00/tire
36.00-51"	
first 30% of treadwear	\$250.00/tire
after 30% of treadwear	\$200.00/tire
40.00-57"	
first 30% of treadwear	\$250.00/tire
after 30% of treadwear	\$200.00/tire
39-59.5"	
first 30% of treadwear	\$250.00/tire
after 30% of treadwear	\$200.00/tire

WARRANTY CLAIM ADJUSTMENT BASE PRICES

1. Passenger Car, Light Truck, Truck/Bus and Small & Medium Mining/Construction (Off-The-Road) Tires:

Current dealer buying price (less quarterly discounts) for the same tire size and type.

2. Large and Extra Large Mining/Construction (Off-The-Road) Tires:

Original selling price (no change).

3. Special Ordering Procedure for Adjustment Purposes (if dealer has no stock on hand):

When ordering passenger tires for warranty replacement purposes, please contact the Customer Service department at 1-800-423-4544. These orders are handled separately from your stocking orders and require that you provide the Yokohama Standard Warranty Claim Form number used in the transaction. Dealers may order up to 4 units per this transaction type.

Shipment of warranty claim tires will be, under normal circumstances, via United Parcel Service with prepaid

freight. Special circumstance shipping priorities (i.e. overnight, 2nd day service) must be established at the same time the order is placed. Unless specified, tires will be shipped by normal ground service.

Priority 1 (overnight) and Priority 2 (2nd day) services are only allowed when U.P.S. ground service cannot provide delivery within a 3-day period from the date of shipment. It is important for the tire dealer to establish with Dealer Services the probable shipment date immediately following order acceptance to preclude tire reception difficulties.

In the markets which have a high concentration of Japanese imported automobiles, dealers may desire to inventory original equipment tires to handle sales and warranty claim requirements. Yokohama's inventories are closely monitored to ensure that local warehouses have sufficient stock to quickly handle customer and dealer needs.

Please contact our Consumer Affairs department at 1-800-722-9888, if you need assistance in handling any original equipment questions.

ASSISTING ORIGINAL EQUIPMENT CUSTOMERS

In recent years, Yokohama has significantly increased its presence as an original equipment provider to the automotive industry. Consequently, servicing Yokohama Original Equipment customers can aid your business.

By giving our Yokohama tire owners first-rate attention and service, they will return for future purchases and recommend Yokohama tires to their friends. Remember, friendly service is your biggest asset — especially in a time when customers consider reliable tire and auto centers difficult to find.

Original Equipment customers receive our tires as part of a package. Customers then judge us and the merits of their new car, in part by road handling and performance. It is important to replace Yokohama Original Equipment tires with the exact same tire, because the tires were engineered for that vehicle and affect the way it “feels.”

When servicing a Yokohama tire, listen attentively to the customer’s explanation regarding the condition of the tire. Then, closely examine the external condition of the tire. Remove the tire from the rim, if necessary. Ask the customer questions regarding the vehicle’s maintenance history, tire-rotation dates and any recent sudden stops.

If you need technical assistance during a Yokohama tire inspection call: CONSUMER AFFAIRS DEPARTMENT at 1-800-722-9888 option #2, Monday to Friday, 8:00 am - 4:30 pm (Pacific Standard Time).

TIRE WARRANTY CLAIMS

For warrantable conditions, replace the tire and complete the Yokohama Standard Warranty Claim Form. For non-warrantable conditions, clearly and simply explain the situation to the customer.

There are times when the customer is apt to challenge your decision, and at this time the customer needs to know that your tire dealership is interested in customer satisfaction. Please take a moment to contact our Consumer Affairs department for review, assistance or redirection with the customer’s concerns in mind. Customers whose problems are handled in an expeditious manner are more likely to believe in your sincerity and service capability.

If for any reason your attempts to satisfy a customer fail, and there is a need to specially handle a tire delivery, please contact Yokohama Consumer Affairs at 1-800-722-9888 option #2, Monday to Friday, 8:00 am - 4:30 pm (Pacific Standard Time). A Customer Relations representative will consider all of the information and, without invalidating the Yokohama written warranty, make every reasonable effort to satisfy the customer. The intentions of Yokohama are to support our customers and dealers, while meeting their high expectations for quality service and innovation.

Ordering Yokohama Original Equipment Tires

Tell our Dealer Service Representative that you would like to order a tire for an “original equipment adjustment” or for “original equipment replacement.” Your order will receive priority, and will be shipped within 24 hours. For your convenience, and to assure 100% accuracy, use your fax machine.

Consumer Affairs:
1-800-722-9888 option #2, Monday through Friday,
8:00 am - 4:30 pm (Pacific Standard Time)

Dealer Services telephone:
1-800-423-4544, Monday through Friday

Dealer Services fax:
1-800-400-9656

TIRE BALANCING RECOMMENDATIONS

With advancements in technology, today's tire and rim fitments require special attention. Fitments for special tire and wheel assemblies have improved new automobile handling and have enhanced their appearance. By design, radial construction and a low-profile design increase a vehicle's ride sensitivity. These wheel and tire fitments make proper tire balancing critical for a proper vehicle ride. Consequently, a suspected out-of-round tire may actually be improperly balanced. Because of this,

Yokohama customers with ride complaints, especially ones with original equipment tires, should be serviced in the following manner:

Before starting these procedures, carefully check the overall condition of each tire, eliminating the possibility of a mechanically-induced problem or some type of road hazard. There are several key factors for you to properly diagnose and fix this problem.

WARNING

- Always wear adequate eye protection at all times while mounting, dismounting or repairing tires.
- Always deflate tires completely by removing the valve core before removing a tire/wheel assembly from a vehicle or disassembly of components. Do not stand, lean or reach over the assembly during deflation.
- Always inflate tires in a safety cage if a mounting machine does not have a positive lock-down device. Use an extension hose with gauge and clip-on chuck so that operator may stand aside during inflation.
- Never stand, reach or lean over a tire/wheel assembly during inflation.
- Never inflate tires beyond 40 pounds per square inch to seat beads.

Balance

- The equipment used to balance a wheel and tire assembly must be accurate, well calibrated, and professionally operated. If the balancer tolerance is not within 1/8 oz. (3.5 grams) or less, it must be calibrated.
- When performing weight match mounting, the yellow mark on the tire indicating the point of lightest weight, should be aligned with the valve stem on the wheel assembly. After match mounting the tire/wheel assembly can be balanced.

Tire/Wheel Assembly Fit

- Before mounting the new tire, be certain the rim is clean in the tire bead area. If necessary, scrape or clean this area to ensure a proper fit and seal.
- During inflation, the tire must slide into position uniformly on the rim. Lubricate the bead area of the tire and wheel to ease fitment.

- After inflation, visually check the rim edge distance to the tire rim edge line. The rim edge line is generally two small, raised parallel lines running circumferentially, close to the edge of the outer diameter of the wheel.

Front-End Alignment

- Low speed oscillation or vibration can be caused if the front end is out of alignment. Be certain that proper alignment is not overlooked at the initial stage of inspection.

Inflation Pressure

- Tire inflation should match the recommended pressure level as specified in the owner's manual or on the sticker located in the driver's side doorjamb.

DEALER ADVICE FOR CUSTOMERS

All tires require owner maintenance, regardless of how well they are constructed. Operational damages such as punctures, impact damage, cuts, incorrect inflation, etc. may cause tire failure and subsequent personal injury and/or property damage. Simple operational and maintenance practices, as listed below, will reduce the chances of tire problems, provided these practices are followed. Yokohama suggests that dealers provide the following guidance to all tire customers.

PASSENGER CAR AND LIGHT TRUCK CUSTOMER ADVICE

Proper Inflation

Advise customers to check tire inflation pressures monthly when the tires are cold (before operation, cool to the touch), and before extended operation. Inflation pressures should be determined and maintained in accordance with vehicle manufacturer recommendations.

Regular Tire Inspection

Advise customers to visually inspect their tires regularly for any abnormal conditions. Instruct customers to inspect tires immediately after any known or suspected contact with an object in the road, or after severe braking. Abnormal conditions should be referred to a reputable tire dealer for repair or replacement.

Vehicle Maintenance

Proper vehicle maintenance is essential for good tire mileage and safety. Advise customers that misalignment, worn or faulty suspension components, etc. will cause uneven and premature treadwear.

Tire Rotation

Advise customers to rotate their tires in accordance with vehicle manufacturer's recommendations to ensure even treadwear and optimum tread life. Yokohama recommends that its tires be rotated at 6,000-8,000 mile intervals.

Tire Replacement

Passenger car and light truck tires must be replaced when the tread is worn down to 2/32 inch (1.6mm). Show your customers where the treadwear indicator bars are located, and advise them to replace tires when the tread is worn to the indicator bars.

Tire Spinning

Instruct customers to avoid tire spinning when stuck on ice, snow, mud or wet grass. Excessive speed on a free-running tire can cause it to explode from extreme centrifugal force. Never exceed the 35 mph point indicated on the speedometer. Customers should never allow anyone to stand near, directly ahead or directly behind a spinning tire.

Good Driving Habits

Encourage customers to cultivate good driving habits by practicing the following:

- Observe posted speed limits.
- Avoid fast stops and starts.
- Safely avoid potholes and objects on the road.
- Do not drive over curbs or scuff curbs when parking.

Storage Tips

The storage of tires, especially radial tires, requires particular care. If tires are not stored properly, not only will there be a deterioration in their appearance, there may be a loss in performance and compound integrity.

CONSIDERATIONS / INSPECTIONS

The tire tread and sidewalls are constructed from compounds that resist deterioration caused by sunlight, ozone, and extreme temperatures. Nevertheless, stored tires should be protected against these and other potentially damaging conditions. The longer the storage period, the greater exposure there is to potential damage; so it is always advisable to use the tires that have been in storage the longest.

Store tires in an area that is clean, cool, dark, and well ventilated, but with a minimum of circulating air. Avoid areas that are wet, humid, oily, greasy, or in direct sunlight. Do not store in the same area as an electric motor or other ozone generating source. If there is a question, check the ozone level to be sure it does not exceed 0.08 ppm.

Do not store tires directly on black asphalt or other heat-absorbent surfaces. Avoid storage adjacent to highly reflective surfaces.

As a rule, tires should be stored in an upright position to prevent distortion or disfiguration and to make mounting work easier. If it is necessary to store tires in a horizontal position, be sure to stack passenger car and light truck radial tires no higher than 3 feet (1m), bias ply tires no higher than 6-1/2 feet (2m), and radial truck tires no higher than 5 feet (1.5m).

When storing tires that have been inflated, deflate to fifty percent of the normal pressure. Keep valve caps in place.

WHITEWALL TIRES

Store unwrapped whitewall tires with the white sidewalls facing each other to avoid staining them through contact with the black rubber of the other tires.

HIGH PERFORMANCE/RACING TIRES

The specialized rubber compounds used in these tires are extremely sensitive to the temperatures in storage environments. For this reason be sure to store them in an area that is not subject to extremes of heat or cold. Failure to store tires at approved temperatures can cause changes to the compound properties that may cause the tread and sidewall to crack or harden, or other damage. Such damage prohibits optimal use of the tire and in severe cases could cause an accident or injury. Therefore, Yokohama Tire Corporation recommends ensuring a storage temperature of between 40 and 70 degrees Fahrenheit, and under no circumstances less than 32 degrees Fahrenheit, for all of our high performance and racing tires.

MEDIUM AND HEAVY-DUTY TRUCK/BUS CUSTOMER ADVICE

Proper Inflation

Check tire inflation pressures before each trip when tires are cool, but never less than once a week. Inflate tires to the recommended Tire and Rim Association (TRA) inflation pressures required for the maximum load to be carried. For sustained high-speed driving, inflation pressures should be increased 10 psi over normal recommended levels in accordance with the Load and Inflation Table footnotes. Use metal valve caps on each tire to ensure a complete air seal during operation and to keep out dirt and moisture.

Regular Tire Inspection

Visually inspect tires regularly for cracks, bulges, cuts or penetrations. Abnormal conditions should be referred to a Yokohama dealer for repair or replacement.

Vehicle Maintenance

Proper vehicle maintenance is essential for good tire mileage and safety. Advise customers that misalignment, worn or faulty suspension components, etc. will cause uneven and premature treadwear. If these conditions are evident, customers should consult the vehicle dealer, or visit a Yokohama dealer.

Tire Replacement

Medium and heavy-duty truck tires must be replaced when the tread is worn down to 4/32 inch (3.2mm). It is very advisable that tires be removed at this depth, so that the tires can be retreaded.

Retreaded or Reinforcement-Repaired Tires on Steer Axles

Retreaded or reinforcement-repaired tires are not permitted for use on steer axles for vehicles under the jurisdiction of Bureau of Motor Carrier Safety (BMCS).

Yokohama recommends that original tread tires be used on steer axles of highway trucks with a Gross Vehicle Weight Rating (GVWR) over 10,000 pounds.

Federal Motor Carrier Safety Regulations specify that no bus shall be operated with regrooved or retreaded

tires on steer axles.

Good Driving Habits

Cultivate good driving habits by practicing the following:

- Observe posted speed limits.
- Avoid fast stops and starts.
- Safely avoid potholes and objects on the road.
- Do not drive over curbs, or scuff curbs when parking.

MINING/CONSTRUCTION (OFF-THE-ROAD) CUSTOMER ADVICE

Proper Inflation

Check tire inflation pressures daily, and adjust according to Tire and Rim Association (TRA) speed, load and inflation tables.

Good Driver Practices

Tires can be quickly and permanently damaged because of bad driver practices. The following driver guidelines should always be observed:

- Do not attempt to pull too great of a load, or start too abruptly.
- When "push loading" self-propelled scrapers, scraper drivers must wait for the pusher before starting to load.
- Never lock one wheel for a very sharp turn.
- Avoid chuck holes or other hazards.
- Avoid climbing or driving a vehicle up on material being moved.
- Avoid excessive braking.
- Tractor or dozer drivers who "push load" scrapers must avoid turning away too quickly.

Repaired or Retreaded Tire Placement

Always install repaired or retreaded tires in wheel positions farthest away from the vehicle operator, regardless of whether that wheel position is on a driven or non-driven axle. Tires that have structural repairs should be clearly marked to help identify them for limited use or removal from service.

SPEED-RATED AND RUN FLAT TIRE REPAIR AND REPLACEMENT

Increasingly, consumers have become more interested in automotive high performance. Tire manufacturers have contributed to this new market with the production of high-speed tolerant tires. Each high performance tire comes with a speed rating letter denoting a tested maximum speed for the tire. Of course, we do not recommend driving at the speeds

represented by the speed rating of the tire. It is only a representation of the speeds at which the tire is capable of safely performing. All high performance tires fall under the same maintenance guidelines as standard passenger car tires, in that they are still vulnerable to adverse road conditions.



WARNING

- Always wear adequate eye protection at all times while mounting, dismounting or repairing tires.
- Always deflate tires completely by removing the valve core before removing a tire/wheel assembly from a vehicle or disassembly of components. Do not stand, lean or reach over the assembly during deflation.
- Always inflate tires in a safety cage if a mounting machine does not have a positive lock-down device. Use an extension hose with gauge and clip-on chuck so that operator may stand aside during inflation.
- Never stand, reach or lean over a tire/wheel assembly during inflation.
- Never inflate tires beyond 40 pounds per square inch to seat beads.

Repair of Speed-Rated Tires

Because the tire manufacturer cannot monitor the quality of the repairs for speed-rated tires, once such a tire is repaired for any reason, that area ultimately diminishes the tire's designated speed rating. Although the warranty will cover warrantable conditions unrelated to the repair area, the tire no longer is representative of its original manufactured condition because it has been altered. As a result, the speed rating of the tire is void after repairs have been performed. The tire is capable of running normal highway speeds if repairs are made correctly. Punctures and nail holes up to 1/4 inch diameter which are confined to the tread area may be patched permanently only from the inside of the tire. **NEVER REPAIR TIRES WORN BELOW 2/32 inch (1.6mm) TREAD DEPTH.**

Replacement Guidelines for Speed-Rated Tires

When replacing a tire designated with a speed rating, the new tire's speed rating should be equal or higher than the speed rating of the previous tire. This rule is to avoid conflicting tire speed capabilities and the possibility of misapplication, particularly because one tire may be constructed to perform under a higher speed than another.

Run Flat Tires

AVS Sport run flat tires **are not** to be repaired following an injury. Never mix run flat tires with tires that do not have run flat technology. Never mix run flat tires of different brands or technology. Please refer to the YTC Technical Service Bulletin titled "AVS Sport Run Flat Sizes Tire Service Guidelines," dated 8/19/03.

DAMAGE/INJURY CLAIMS AND DISCONTINUED TIRE REPLACEMENT

DAMAGE/INJURY CLAIMS

If a tire came out of service and allegedly caused vehicle damage or personal injury, the tire in question could become part of a product liability claim.

DO NOT PROVIDE WARRANTY SERVICE FOR A TIRE ASSOCIATED WITH DAMAGES OR INJURIES.

Gather basic information including the name, address and phone number of the customer, the size and model of the tire and the nature of the damages or injuries that occurred. Ask the customer to retain the tire and contact our Consumer Affairs department at (800) 722-9888, option #2, Monday through Friday from 8 a.m. to 4:30 p.m. (Pacific Standard Time.)

DISCONTINUED TIRES

Due to product line changes, consumers may present discontinued tires for warranty adjustment and the exact replacement tire may not be available. In these cases, a suitable replacement tire would be a Yokohama tire in the same size, speed rating and performance category. Questions about the suitability of replacement tires should be directed to the Yokohama Consumer Affairs department at (800) 722-9888, option #2. The Consumer Affairs department is available Monday through Friday from 8 a.m. to 4:30 p.m. (Pacific Standard Time.)

TREAD ACT REPORTING

According to the provisions stated in the Federal Regulation 49CFR 579.26, Yokohama Tire Corporation is required to report quarterly, all warranty claim information to the National Highway Traffic Safety Administration.

RETURNING NEW UNSALEABLE OR FREIGHT DAMAGED TIRES

OPTION I

DISCOVERED DAMAGE UPON RECEIPT

1. Receiving dealer must inspect shipment as received; refuse and return any damaged product with freight carrier and indicate damages on freight bill or Bill of Lading.
2. Notify YTC Customer Service Representative of damaged goods and place reorders.
3. Return copies of freight damage claim or marked Bill of Lading to Yokohama Tire Corporation (YTC) and YTC will credit your account the full purchase price of the involved product and send new replacement merchandise. YTC will settle the claim with the involved freight carrier.

OPTION II

CONCEALED DAMAGE

1. Receiving dealer must determine the product is damaged within 15-30 days of the receipt of the shipment. Dealer must describe the shipping damages on a copy of the freight bill or on a copy of the bill of lading and provide this documentation to a YTC Customer Service Representative.
2. Dealer must return the damaged merchandise to a location specified by their YTC Customer Service Representative along with copies of the supporting documentation.
3. Once the notification and documentation are received by YTC, a credit will be issued to the dealer for the full purchase price of the damaged merchandise and replacement merchandise will be sent to the dealership. YTC will settle the claim

with the freight carrier direct. If the concealed damage is found after the 30-day period, the claim will be settled with the freight carrier as described but the credit to the dealership will be reduced by 33% which represents the dealer portion of the damage cost. YTC and the freight carrier will each assume 1/3 cost according to current Interstate Commerce Commission (ICC) regulations governing freight.

OPTION III

FILE THE CLAIM DIRECTLY WITH THE CARRIER

As always the dealer has the right to file a freight damage claim directly with the carrier that has delivered the damaged merchandise. In this case the dealer completes whatever claim documentation that the carrier requests and follows the claim payment with the carrier directly.

The above policies are effective September 1, 2002. Tires received in our Warranty Service Centers exhibiting shipping damage/bent bead conditions after the above date will not receive credit under our normal warranty process. All shipping damage claims must be processed by filing a claim with the responsible freight carrier. Should you require assistance in filing a claim please contact the Yokohama Traffic department for instructions. Following these procedures will protect you from receiving damaged product into your inventory, ensure a more effective claim filing process and will hold the responsible carrier liable for payment of any damage costs. YTC will also be able to choose the most reliable, consistent, and customer-driven carriers to insure first class service to our dealers and customers.

Should you have any questions or require additional assistance concerning this process, please call the number below that corresponds to your product type.

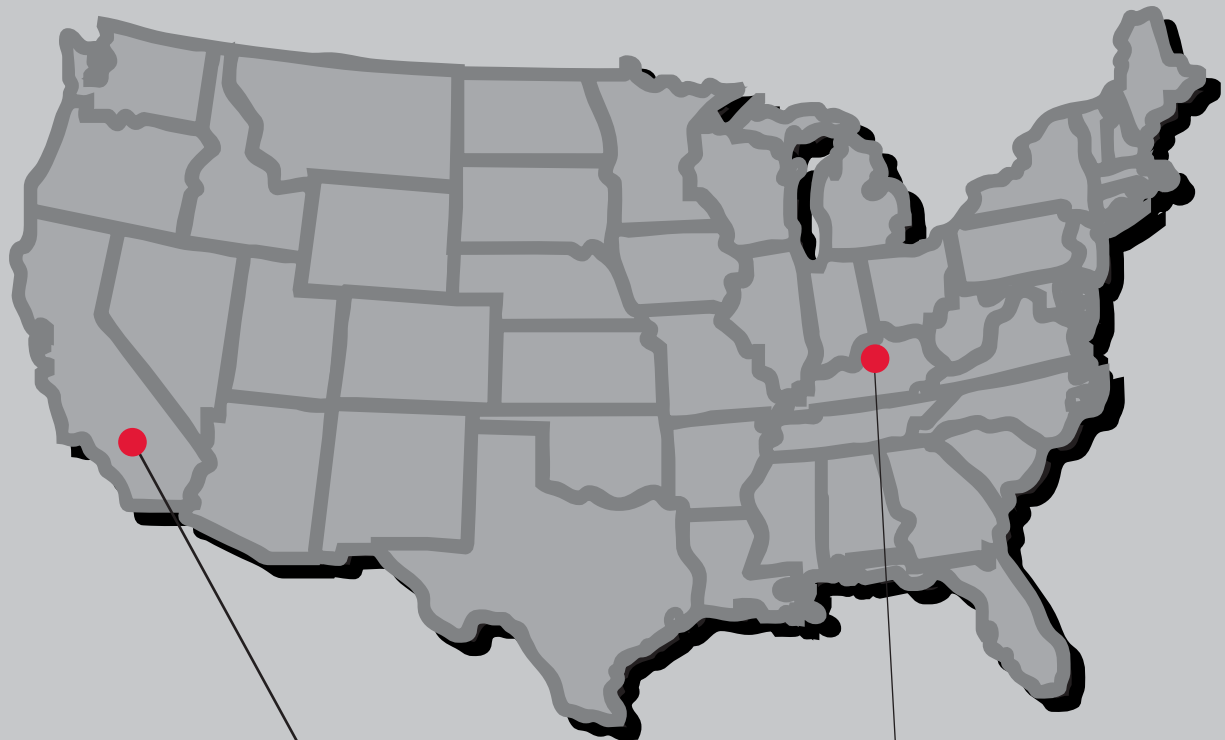
PCR/LTR Products

Yokohama Tire Corp.
Customer Service Department
601 S. Acacia Avenue
Fullerton, CA 92831-5197
(800) 423-4544 ext. 2897

TBS Products

Yokohama Tire Corp.
Commercial Customer Service
2800 Vista Ridge Drive
Suwanee, GA 30024
(800) 241-7051 ext. 140

YOKOHAMA DESIGNATED SERVICE CENTER LOCATIONS



Fullerton, California

601 South Acacia Avenue
Fullerton, CA 92831

Shipment Authorization
1-800-423-4544 ext. 3973

Technical Assistance
1-800-722-9888

Louisville, Kentucky

6101 Cane Run Road
Louisville, KY 40258

Shipment Authorization
1-800-368-8852 ext. 3002

Technical Assistance
1-800-722-9888

If you require additional assistance, contact your District Manager or contact:

Consumer Affairs Department 1-800-722-9888

Yokohama Tire Corporation
601 South Acacia Avenue
Fullerton, CA 92831-5197



601 S. Acacia Ave., Fullerton, CA 92831-5197
www.yokohamatire.com

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