

## What's covered

Firestone Industrial Products Company's Ride-Rite™ kits, components, and accessories are warranted against defects in workmanship and materials. This only applies to Firestone manufactured light duty kits.\*

## What's not covered

This limited warranty does not cover service or labor charges, freight or customs charges, lost wages due to down-time, neglect, abuse, misuse, misapplications, improper installation, failure due to external conditions or interference, overloading or alterations to the product, wear and tear, if bought from eBay, Craigslist, or other non-dealer sources, or custom applications.\*

The information on the following pages was developed to illustrate common types of failures that may occur and to assist you in determining the cause and corrective action required.

## What's the period of coverage\*

RIDE-RITE™, SPORT-RITE™, COIL-RITE™ KITS	
<b>Air Springs</b>	<b>Hardware &amp; Brackets</b>
Limited Lifetime	2 Years

AIR-RITE™ ACCESSORIES	
<b>Bumpers, Hardware, Fittings &amp; Air Line</b>	
2 Years	
<b>Air Compressor</b>	
1-2 Years (depending on model, refer to the website for specifics)	

\* Firestone reserves the right to change product components, specifications, and/or designs at any time for any reason without obligation to retrofit prior versions. Firestone supplies air springs to other manufacturers, including air, hitch, and other suspension companies. The air spring and component warranties for non-Firestone manufactured kits and systems are covered by the manufacturer of those products.

## Ride-Rite™ Warranty Evaluation Guide

Firestone air springs are designed to provide years and thousands of miles of trouble-free service. The durability of Firestone air springs is such that they will often outlast other maintenance items on your suspension, such as bushings, shocks, and other components. Ride-Rite™ air springs are warranted to be free of material defects and/or workmanship for as long as the original purchaser owns the vehicle on which it was originally installed. The hardware and brackets which accompany the air spring are warranted for a period of twenty-four (24) months. This limited warranty begins on the original retail delivery date. Firestone may provide replacement parts if the hardware and/or brackets were determined by Firestone to be warrantable. All labor and incidental costs associated with replacing the defective air spring are the responsibility of the consumer.

Firestone offers a complete line of air springs, with products available for a variety of applications. Since each individual air spring is closely examined and pressure tested at the factory, the vast majority of warranty claims are found not to be defective; and failure typically occurs because of abuse caused by other problems associated with the suspension or a lack of sufficient air pressure.

## Firestone

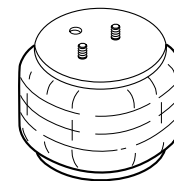
Firestone Industrial Products

**Web:** [riderite.com](http://riderite.com)  
**Email:** [rrtech@fsip.com](mailto:rrtech@fsip.com)

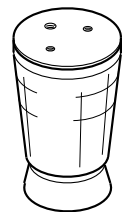
**If emailing, please include the following:**

- Name
- Phone
- Address
- Vehicle Make/Model/Year/Trim level
- Kit part number, if known
- Where and when you purchased the kit
- Brief description of issue
- Photos are helpful to identify part numbers and failure mode. If you cannot provide photos, Firestone can provide a shipping label for you to return the parts with a copy of the retail receipt for inspection.

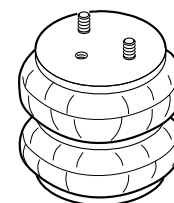
**Product verification required; photos of claim can be used lieu of returning defective product.**



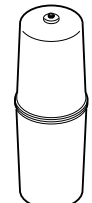
Single  
Convoluted



Tapered  
Sleeve



Double  
Convoluted

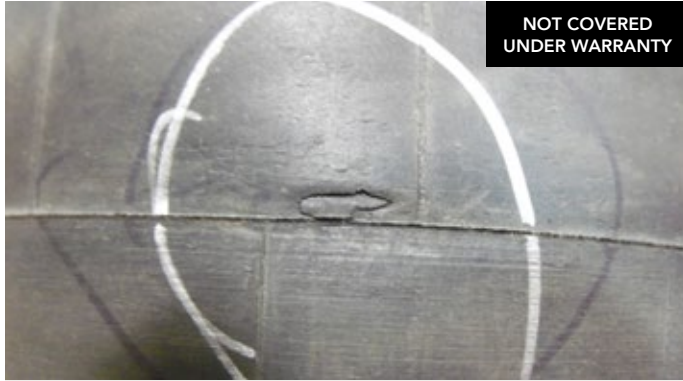


Coil-Rite™  
Air Spring

# WARRANTY GUIDE

## Coverage

Firestone air springs are designed and built to the highest of standards and will provide years and thousands of miles of trouble-free service. Most failures are caused by improper application, installation, misuse, and abuse. The following examples are common failures that are NOT covered under warranty.



### Puncture

*Rubber bellows close-up*

#### Appearance or Condition

- Irregular shaped cut in the bellows

#### Possible Causes

- Debris punctured the bellows
- Mounted too close to a sharp object



### Bent Alignment Pin

*Convuluted shown*

#### Appearance or Condition

- One side of alignment pin is pushed down toward the bead plate
- Marring or semicircular gouge in the top of the alignment pin
- Pin pushed in

#### Possible Causes

- Alignment pin was not installed into the alignment pin hole in the bracket
- Attachment hardware not tightened



### Abrasion

*Convuluted shown*

#### Appearance or Condition

- Hole rubbed into side of bellows or in area that rolls over piston (sleeve style)

#### Possible Causes

- Contacting a vehicle or other suspension component
- Inadequate air pressure
- Road debris
- Oversized tire contact
- Snow chain contact
- Inadequate tire to frame clearance



### Circumferential Cuts

*Convuluted shown*

#### Appearance or Condition

- Bellows cut or separated around the perimeter of bead plate or piston

#### Possible Causes

- Too much air pressure, over extended for long periods of time
- Bottoming out
- Air spring overextended
- Normal wear and tear over years of usage



### Bent or Broken Brackets & Bolts

**Appearance or Condition**

- Distorted shape
- Possible cracking or “tearing”

**Possible Causes**

- Not enough air pressure in the system for the load
- Overloading the vehicle/air springs
- Bottoming out



### Broken Piston

**Appearance or Condition**

- Cracked or broken piston

**Possible Causes**

- Road debris
- Not enough pressure in the system for the load
- Overloading the vehicle/air springs
- Installed height of air spring too short
- Bottoming out

*Bottom of tapered sleeve shown (Sport-Rite™ application).*

### Bottoming Out

**Appearance or Condition**

- Bent brackets or beadplates
- Broken girdle hoop (convoluted parts), caps or pistons (sleeve parts)
- Cuts near the bead plates, caps, or pistons
- Leaking around blind nuts

**Possible Causes**

- Installation height is too low, resulting in air spring too short
- Not maintaining the minimum air pressure
- Not enough air pressure for the load
- Overloading the vehicle/air springs



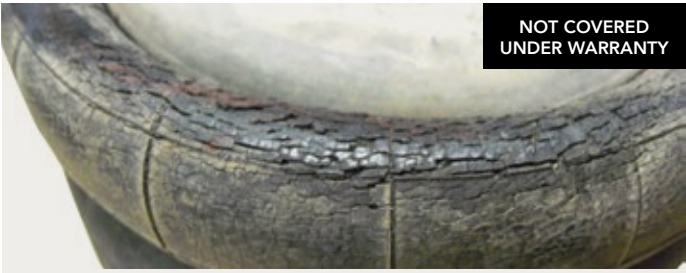
### High Temperature / Over Inflation

**Appearance or Condition**

- Tear in the side of the part, material seems thin or “stretched”

**Possible Causes**

- Exposed to high temperature for long periods of time (too close to exhaust)
- Over inflation (see manual for max operating pressure)



### Cracked / Hard Bellows

**Appearance or Condition**

- Cracking in bellows around bead plates and caps or where the sleeve rolls over the piston
- Hard to the touch, no longer flexible

**Possible Causes**

- Exposed to high temperature for long periods of time
- Old air spring – Rubber ages and will wear out eventually; the air spring is not warrantable and needs to be replaced
- Normal appearance after product’s end of life

*Convoluted shown*

## Coverage

Do not open or disassemble your compressor, or spray with WD-40, to troubleshoot an issue. The compressor images below are for reference only. Do not take apart your compressor. This voids your warranty. Check out [riderite.com](http://riderite.com) for more warranty information.

NOT COVERED UNDER WARRANTY



**Compressor Cylinder Body**

**Appearance or Condition**

- Compressor will not start
- Compressor will not pump air

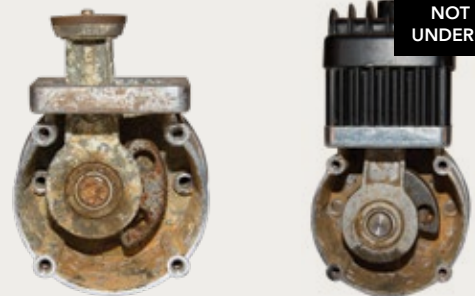
**Possible Causes**

- Compressor was submerged
- Compressor inlet has pulled in moisture from environment

**Possible Solutions**

- Replace compressor
- Snorkel air filter to a dry, dust free location (max. 6ft.)

NOT COVERED UNDER WARRANTY



**Crank and Rod**

**Appearance or Condition**

- Compressor will not start
- Compressor will not pump air


**Possible Causes**

- Compressor was submerged
- Compressor inlet pulled in moisture from environment

**Possible Solutions**

- Replace compressor
- Snorkel air filter to a dry, dust free location (max. 6ft.)

NOT COVERED UNDER WARRANTY



**Inlet Plate**

**Appearance or Condition**

- Rust around threads of inlet port
- Compressor will not pump air
- Compressor runs at high current (blows fuses)

**Possible Causes**

- Compressor was submerged
- Air filter assembly was not installed properly

**Possible Solutions**

- Replace compressor
- Snorkel air filter to a dry, dust free location (max 6ft)

NOT COVERED UNDER WARRANTY



**Brushes / End Plate / Motor Housing**

**Appearance or Condition**

- Compressor will not start

**Possible Causes**

- Compressor was submerged
- Compressor has stuck brushes

**Possible Solutions**

- Lightly tap on compressor motor housing farthest from compressor head
- Replace compressor