



Warranty Statement

Trailer Suspensions & Components

This warranty applies to suspensions manufactured by CUSH Corp that have been properly assembled and installed by the OEM. It applies to product that meets its intended use and recommended application within its design intent. Any deviation from this requires written approval from engineering in order to be covered under this warranty. We cannot be liable for any hazards, misuse or abuse of the product such as road hazards, over extension of shocks and air bags due to function outside of its intended purpose. This warranty shall not apply to situations where there has been incorrect repair, replacement, substitution or alterations. CUSH Corp has the sole discretion and authority to approve or deny any warranty. Our warranty coverage begins at the time, which the vehicle is initially placed into service. For severe operating conditions, use a higher capacity or heavy-duty model. For use of CUSH suspensions in Canada, Mexico, and off-road conditions: contact CUSH Engineering. Off-road in the context of our product is described as that portion of roadbed that is unpaved, but is still considered a roadbed. This warranty is non-transferable.

This Trailer Suspension warranty supersedes other to date and is our standard warranty, application specific warranties may be applicable.

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COVERAGE

CUSH warrants products based on an annual basis from the time of delivery of purchase to the original owner only. CUSH bases an annual year as 12 months with no mileage limit for the warranty period, **See Raw Wood Application exception.** See CUSH Trailer Service Manual for Service Instructions. Refer to chart for period of coverage on components.

On-Highway Linehaul Application ₁		Vocational General Application ₂		Off-Highway Sever Service Application ₅	
Parts	Labor	Parts	Labor	Parts	Labor
100%	100%	100%	100%	100%	100%
(years)	(years)	(years)	(years)	(years)	(years)

Suspension & Axle Components

Integrated Cush Axle & Suspension	5	1	3	1	1	1
Cush Integrated Axle-to-Suspension, Welded Connection	5	1	3	1	1	1
Customer Integrated Axle-to-Suspension, Welded Connection	1	1	1	1	1	
Pivot Assembly & Related Parts	1	1	1		1	

Fabricated Suspension Components

Suspension Frame Hangers	5	3	5	1	1	1
Suspension Arms	5	3	5	1	1	1
Fabricated Suspension Components	5	3	5	1	1	1

Pivot Bushings

Wide Dual-Rate Pivot Bushings	7	5	5	3	3	1
Narrow BigFoot Pivot Bushings	7	5	5	3	3	1
Special Pivot Bushings	5	3	5	1	3	1

Suspension Components

Air Springs	1	1	1	1	1	Mfgr
Shocks	2	Mfgr	2	Mfgr	1	Mfgr
Air Controls	1	Mfgr	1	Mfgr	Mfgr	Mfgr

Cush Supplied Axle & Axle Components

See Cush Axle warranty document P140820

Cush Slider Suspension & Components

See Cush Slider warranty document

1. LINEHAUL APPLICATION is typically high-mileage operation (over 60,000 miles/year); a well maintained highway of concrete or asphalt construction; greater than 30 miles between stops. On-Highway use with single or close-spaced tandem applications.
2. GENERAL APPLICATIONS are typically lower mileage operations (less than 60,000 miles/year); generally on-road service with less than 10% off-road; average of 3 miles between stops. Vocational trailers are specialty or spread-axle, & lift able suspensions.
3. Includes Hub, Wheel Seals and Wheel Bearings. Requires annual inspections and proper documentation to ensure full coverage.
4. Installed by Cush Corp or installed by recommended Cush Corp instructions.
5. SEVER SERVICE APPLICATIONS are generally with more than 20% off-road; heavy-duty, raw wood, & oilfield.
6. Mfgr; Warranty per the component supplier, not Cush.



WARRANTY CLAIM CONSIDERATIONS

Cush Corporation Trailer Suspension Systems (Cush) warrants that all trailer suspensions, shall be free of defects in material or workmanship. The warranty coverage applies when the suspension has been properly assembled and installed by a trailer original equipment manufacturer (OEM), properly maintained (as described in all applicable Cush publications), and used in its recommended application and within the rated capacities for its intended use & vocation. All non-recommended suspension applications must receive written approval from CUSH in order to be covered under this warranty. Coverage may differ on some items used in applications for which special written approval from CUSH has been granted. For more warranty coverage information, contact the CUSH Warranty Department. The CUSH suspension warranty coverage begins when the vehicle is put into service and ends when the time or mileage period specified in this warranty is reached.

The warranty shall not apply to or include any repair or replacement as a result of the following conditions:

- Accident, fire or other casualty
- Misuse or negligence including, but not limited to, overloading
 - Lack of reasonable and proper maintenance
- Repairs improperly performed or replacements improperly installed
- Uses of component parts, replacement or otherwise, that are not manufactured or distributed by Cush
 - Modifications not recommended or approved by Cush (in writing)
 - Use other than those intended by Cush and the trailer OEM
- Normal wear and deterioration occasioned by the use of the suspension system
- Products not paid for per CUSH Corp SOAP terms, or non-payment

The liability of CUSH under this warranty is limited solely to the repair or replacement of defective material or workmanship by an authorized party. CUSH shall not be liable for repairs performed by any unauthorized parties. This warranty does not include any expense of or related to transportation of the parts to or from the place where the repair is to be performed or compensation for inconvenience or loss of use while the suspension system is being repaired. CUSH shall not be liable for any expense, loss or damage (direct, incidental, consequential or exemplary — including, but not limited to, towing expenses, downtime expenses, cleaning expenses, cargo damage, incidental charges or any other losses arising in connection with the sale, use or inability to use the suspension system) resulting from the warranty-covered part found to be defective. CUSH gives no expressed warranty with respect to its suspension systems and products except as specifically set forth herein. Any warranty implied by law, including any warranty of merchantability or fitness for a particular purpose, is limited to the expressed warranty term provided in this warranty.

WARRANTY CLAIM CONSIDERATIONS

- **SYSTEM PROBLEMS OR PARTS FAILURES THAT RESULT FROM IMPROPER INSTALLATION ARE THE RESPONSIBILITY OF THE INSTALLER OF THE SUSPENSION.** CUSH does not warrant these.

- **THE CUSH WARRANTY DEPARTMENT MUST AUTHORIZE REPAIRS PRIOR TO THEM BEING PERFORMED.** When authorizing repairs or services, Cush warranty will determine the costs and procedures. Failure to receive Cush authorization may result in partial or complete loss of warranty coverage.

• PLEASE DO NOT DESTROY THE PARTS BEING CONSIDERED FOR WARRANTY!

Upon CUSH approval, all parts in question must be returned to CUSH for evaluation. Failure to return such parts may result in partial or complete loss of warranty coverage. *Get RMA# & approved shipment method before sending parts to CUSH prepaid for warranty reimbursement.*



FILING WARRANTY CLAIMS

1. Please review warranty coverage for the component(s). If the component complies with the stated time for warranty coverage, continue with step two.
2. Please locate, record and provide to CUSH the following information:
 - CUSH suspension tag number or axle serial number.
 - Type of vehicle, name of vehicle manufacturer and VIN (vehicle identification number)
 - Vehicle or model in-service date.
 - Description of the system problem and/or the part number of the non-functioning part.
 - A written explanation may be required of the optional failure.
 - Digital pictures.
 - CUSH Warranty Job Sheet, fax to CUSH before starting job, Fax# 417-724-0126.

This warranty is subject to the conditions, exclusions and limitations listed below.

- Please contact the CUSH Warranty department to receive written warranty authorization.
- Prior to the warranty repair or replacement of suspension systems or parts (by a dealer or other service provider authorized by the OEM of the subject trailer), the warranty claim must first be approved by the CUSH Warranty department. Trailer dealers should inspect all suspensions involved in a warranty claim and then contact CUSH for assistance.
- Parts returned under a warranty authorization must be sent prepaid. CUSH will reimburse the customer for the standard rate for freight charges if the returned parts are confirmed to be defective or non-functioning. Contact CUSH for approved shipment method.
- Only genuine CUSH parts, or parts approved by CUSH, may be used to repair CUSH suspension systems. Our warranty also applies only to genuine CUSH parts.
- Contact the CUSH Warranty department to discuss labor allowances, overtime rates not allowed.
- A warranty job estimate sheet should be faxed to CUSH for approval on service work.
- CUSH has the sole discretion and authority to approve or disapprove a warranty claim, authorize the repair or replacement of non-functioning systems and authorize the repair or replacement of parts.

When contacting the CUSH Warranty department to receive warranty authorization, costs and procedures will be determined. CUSH will pay a specified labor allowance rate, determined by the CUSH Warranty department, for the authorized repair or replacement of any defective component. CUSH is not responsible for any additional costs that may be incurred when replacement parts or materials are not acquired through CUSH.

3. Please contact the proper authority:
 - A. **IF YOU ARE AN END USER (OWNER) OR DEALER:** Report the problem to the trailer manufacturer or the suspension installer. If the problem is not related to installation, the manufacturer or installer will contact CUSH to file the warranty claim.
 - B. **IF YOU ARE A TRAILER MANUFACTURER:** Contact the CUSH Warranty department and provide the information recorded in step two. The Warranty department will issue a warranty authorization for each submitted claim. Parts to be returned to CUSH or its vendors must be labeled with this authorization for timely processing of the warranty claim.

4. Please submit a work order job description with your warranty claim number describing what is to be repaired or replaced. This work order job description should be as itemized and detailed as possible for prompt processing and maximum consideration.



RAW WOOD PRODUCT APPLICATIONS

CUSH Corporation defines a raw wood product application as any that involves or includes, but is not limited to, logging or chip hauling. Severe and highly unpredictable operating conditions are often encountered in the raw wood product industry. Such rugged applications can cause accelerated wear, deterioration and other problems in suspension systems. For this reason, warranty coverage on certain suspension components used in the raw wood industry differs from the standard warranty coverage on the same components used in less-severe applications. The warranty period for all suspension components used in raw wood product applications will be up to **three years or 300,000 miles for CUSH parts** unless otherwise noted and **one year or 100,000 miles for labor**. This warranty coverage only affects trailers that operate in the raw wood product industry. The warranty period applies when the suspension has been properly assembled and installed by a trailer original equipment manufacturer (OEM), properly maintained (as described in all applicable CUSH publications), and used in the recommended application and within the rated capacities. Coverage may differ on some items used in applications for which special written approval from CUSH has been granted. If you have any questions about the information contained herein, please contact the CUSH Warranty department at 417-724-1239 (Fax#: 417-724-0126).

SEVERE SERVICE APPLICATIONS

CUSH Corporation defines a Severe Service product application as any that involves or includes, but is not limited to, off-road hauling. Severe and highly unpredictable operating conditions are often encountered in this application. Such rugged applications can cause accelerated wear, deterioration and other problems in suspension systems. For this reason, warranty coverage on certain suspension components used in Severe Service differs from the standard warranty coverage on the same components used in less-severe applications. The warranty period for all suspension components used in Severe Service applications will be up to **one years for CUSH parts** unless otherwise noted and **one year for labor**. This warranty coverage only affects trailers that operate in Severe Service. The warranty period applies when the suspension has been properly assembled and installed by a trailer original equipment manufacturer (OEM), properly maintained (as described in all applicable CUSH publications), and used in the recommended application and within the rated capacities. Coverage may differ on some items used in applications for which special written approval from CUSH has been granted. If you have any questions about the information contained herein, please contact the CUSH Warranty department at 417-724-1239 (Fax#: 417-724-0126).

PIVOT ASSEMBLY PARTS

CUSH's coverage only applies to CUSH pivot assemblies where proper installation and final assembly were performed. The respective trailer OEM performs the installation and final assembly of the suspension pivot connection. Proper installation includes, but is not limited to, proper pivot assembly torque along with the proper mounting of the alignment washers. AudiTorx pivot bolts must have the torx head sheared off to be considered for warranty. Pivot assembly components must be available for review for warranty consideration.

Severe Service PIVOT ASSEMBLY PARTS

CUSH's coverage only applies to CUSH pivot assemblies where proper installation and final assembly were performed. The respective trailer OEM performs the installation and final assembly of the suspension pivot connection. Proper installation includes, but is not limited to, proper pivot assembly torque along with the proper mounting of the alignment washers. AudiTorx pivot bolts must have the torx head sheared off to be considered for warranty. Pivot assembly components must be available for review for warranty consideration.

Severe Service Pivot Assemblies that use Grade 8 Hex Head bolts supplied by Cush or by customers in the field must follow these procedures to maintain warranty consideration.

- Before each use, visibly check connection with your daily inspection.
- After first use, & then periodically, with a torque wrench, check and verify the torque of the pivot bolt nut by tightening it to proper torque, not loosen it.
- If this nut is LOOSE, inspect other parts at this joint for breakage or wear and plan to replace this bolt with new.
- Never reuse a pivot bolt that is un-torqued and is loose.
- For sever-duty applications that are having "chronic" pivot issues the large pivot bearing washers may be welded all around after the axle is realigned and the pivot bolt torqued properly.
- If steel hanger sides, alignment slot, or bushing faces are worn or broken the unit will need service and new pivot hardware. If parts broken or worn, contact Cush.
- It may help your field service if you apply Lock-tite or Vibra-tite at the time you install a new pivot bolt for a Sever Service Application.
- Confirm with your drivers that the trailer is not operated with air springs dumped. Un-inflated air springs will damage pivot connections and break steel components: hangers, beams, and axles. Operation of vehicle without air in the air springs is considered abuse and damage from this abuse is not covered by Cush warranty.



COMPONENT SUPPLIER WARRANTIES

CUSH warrants component supplier **parts (if supplied by CUSH)** for the **Manufacturer's Warranty**, and **labor as noted** to repair or replace these parts:

Brake lining and attaching hardware, brake camshaft, automatic slack adjusters, brake chambers, brake drums, hub assemblies, hub caps and gaskets, oil seals, wheel bearings, axle nuts, axles, air springs, shocks, & air control parts.

Barksdale Height Control Valve

STANDARD WARRANTY: **Barksdale** warrants that the Products will be free from defects in title, and so far as of its own manufacture, will conform, in the manner herein provided, to the applicable specifications which are made a part hereof, and will be free from defects in material and workmanship, and should any part of it be found, when properly installed, maintained and used under specified service conditions, within three years after date of notification of completion at **Barksdale** plant or shipment by **Barksdale**, whichever is the earlier, to have been defective or nonconforming with the specifications, **Barksdale** will repair or replace said part f.o.b. its factory, provided the original part is returned to its factory transportation prepaid and **Barksdale** inspection reveals it to have been defective or nonconforming within the terms of this **warranty**. No device or part shall be returned without giving prompt notice of nonconformance or defect to **Barksdale** and obtaining its prior written authorization. **Barksdale** shall in no event be held liable for damage or delay caused by nonconformance or a defect in material or workmanship, and no allowance will be made for repairs or alterations unless made with its written approval. Purchaser, or any user claiming through purchaser, assumes all liability for the consequences of the use or misuse thereof by itself, or its employees, or by other.

- Do not change from factory settings.
- If provided an adjustable HCV it is the responsibility of the operator to see that there will not be any vehicle clearance issues.

LABOR ALLOWANCES

If you have discrepancies on warranty labor allowances please contact Cush with request for approval in writing for additional time.

AXLE		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
30	2	Pivot Connection Hardware
30	1	Axle Alignment
60	1	Per Axle Alignment
45	2	Tire w/Wheel (wheel nuts)
60	1	Suspension Springs/shocks
30	1	HCV Disconnect/Reset
50	2	Brake Drum
10	2	ABS Sensor
50	2	Hub & Spindle Nuts
20	2	Lube
20	2	Bearing/Inspection
20	2	Seals
30	2	Pivot Connection Hardware
30	1	Axle Alignment
50	2	Brake Chambers
50	2	Auto-Slacks
465	1	H-Beam Replacement B&B (Beam & Brake Only, reuse of axle parts)
45	2	Tire w/Wheel (wheel nuts)
60	1	Suspension Springs/shocks
30	1	HCV Disconnect/Reset
30	2	Pivot Connection Hardware
30	1	Axle Alignment
195	1	H-Beam Replacement FDA (Fully Dressed Axle)

ABS Sensor		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
30	1	Tire w/Wheel (wheel nuts)
25	1	Brake Drum
5	1	ABS Sensor
60	1	ABS Wheel Sensor
30	1	Tire w/Wheel (wheel nuts)
25	1	Brake Drum
5	1	ABS Sensor
30	1	ABS Sensor Bracket
90	1	ABS Wheel Sensor Bracket

Shocks		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
20	1	Shock Absorber Mounting
10	1	Torque Fasteners
30	1	Shock Absorber (one)

WHEEL END		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
	0	Tire w/Wheel (wheel nuts)
10	1	Hubcap, bolts, & Gasket
10	1	Lube
20	1	Hubcap or Gasket
30	1	Tire w/Wheel (wheel nuts)
25	1	Brake Drum
25	1	Hub & Spindle Nuts
10	1	Lube
90	1	Hub Replacement, Drum axle
30	1	Tire w/Wheel (wheel nuts)
30	1	Caliper
25	1	Hub & Spindle Nuts
10	1	Lube
95	1	Hub Replacement, Disc axle
30	1	Tire w/Wheel (wheel nuts)
25	1	Brake Drum
25	1	Hub & Spindle Nuts
10	1	Lube
10	1	Bearing/Inspection
10	1	Seal
110	1	Wheel Seal
30	1	Tire w/Wheel (wheel nuts)
25	1	Brake Drum
25	1	Hub & Spindle Nuts
10	1	Lube
10	1	Wheel Stud (1 to 3)
100	1	Wheel Studs in one Hub
5	1	Wheel Studs / Each If more than three labor/ea

HCV		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
10	1	HCV Linkage lower mounting
20	1	Ride Height Re-adjustment
30	1	HCV Disconnect/Reset

Shock Bracket		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
60	1	Remove & Reweld Bracket
20	1	Shock Absorber Mounting
10	1	Torque Fasteners
90	1	Welded Shock Bracket (one)
Shock Strap, Nylon		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
10	1	Replace Strap, Top & Bottom
40	2	Shock Absorber Mounting
10	1	Torque Fasteners
60	1	Shock Strap (one)



LABOR ALLOWANCES

If you have discrepancies on warranty labor allowances please contact Cush with request for approval in writing for additional time.

BRAKE CAMSHAFT		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
30	1	Tire w/Wheel (wheel nuts)
25	1	Brake Drum
25	1	Auto-Slack Adjuster (one)
5	1	Troubleshooting/Adjustment
85	1	Brake Camshaft only (one)
BRAKE CHAMBER		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
20	1	Brake Chamber
5	1	Air Lines to Chamber
25	1	Brake Chamber (one)

BRAKE SHOES		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
45	2	Tire w/Wheel (wheel nuts)
50	2	Brake Drum (not Hub)
30	1	Brake shoes w/lining (both)
10	2	Troubleshooting/Adjustment
135	1	Brake Shoes w/Linings (per axle)
AUTO-SLACK		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
20	1	Auto-Slack
5	1	Troubleshooting/Adjustment
25	1	Auto-Slack Adjuster (one)

Height Control Valve		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
25	1	HCV Mount & Air line hookup
15	1	HCV Linkage lower & upper mounting
20	1	Ride Height Re-adjustment
60	1	Full HCV Mounting
Air Control Kit		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
25	1	Mount Valves
15	1	Mount & Air line hookup
20	1	Troubleshooting
60	1	ACK Replacement
Air Reservoir Tank		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
25	1	Mount Tank & Valves
15	1	Mount & Air line hookup
20	1	Troubleshooting
60	1	Tank Replacement
Air Springs		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
15	1	Air line hookup
25	1	Air Spring Mounting
20	1	Torque Fasteners
60	1	Air Spring Replacement

BUSHINGS		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
45	2	Tire w/Wheel (wheel nuts)
20	1	Drop H-Beam from hangers
30	1	HCV Disconnect/Reset
30	2	Pivot Connection Hardware
50	2	Remove Bushings & Clean Housings
45	2	Install Bushings
30	1	Axle Alignment after Pivot Reinstall
250	1	Bushings (per axle)

Frame Hanger (Welded or Bolted)		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
45	2	Tire w/Wheel (wheel nuts)
20	1	Drop H-Beam from hangers
30	1	HCV Disconnect/Reset
30	2	Pivot Connection Hardware
45	2	Remove Hangers from Frame
60	2	Install Hangers & Cross-member
30	1	Axle Alignment after Pivot Reinstall
260	1	Frame Hanger (per axle)

Under Arm Lift (Welded or Bolted)		
LABOR (min) ALLOWANCE	QTY	INCLUDES REMOVAL & INSTALLATION
45	2	Tire w/Wheel (wheel nuts)
20	1	Drop H-Beam from hangers
30	1	HCV Disconnect/Reset
30	2	Pivot Connection Hardware
45	2	Remove Brackets
60	2	Install Brackets
30	1	Axle Alignment after Pivot Reinstall
260	1	Arm Lift Kit (per axle)



WARRANTY REQUEST FORM

Refer to Cush Warranty Statements for definition of coverage, exclusions & limitations.
Please FAX this form to Cush Warranty Dept. @ 417-724-0126 or email to warranty@cushcorp.com

Vehicle Information

Vehicle Manufacturer	
Vehicle Identification Number (VIN)	
VIN Date (MM/DD/YYYY)	Vehicle Age (years):
Vehicle Application: On-Highway, Vocational, Off-Highway (Severe Service)	
Vehicle Owner/Fleet Name	
Warranty Component Serial #	

Repair Shop Information

Repair Contact Name	
Repair Contact e-mail	
Repair Phone/Fax	
Repair Work Order/Quote Number	
Date Digital Pictures will be Sent	
Repair Shop Labor Rate	

Warranty steps 1 thru 5 to be completed by customer & Cush

- 1 Define the problem and apparent cause (Repair Shop or Customer)
- 2 If Cush Warranty covers Labor, please submit WO quote for review & approval.
Please list Cush parts requested on WO.

CUSH USE ONLY BELOW

Warranty ID#

- 3 Cush to review pictures & description of cause.
- 4 Cush to review warranty, issue, and determine at fault causation

Vehicle Age:		Vehicle Application:	
Warranty Issue Cause:			
At Fault Assumption:			

- 5 Cush to Assign allowance of vehicle warranty for Parts/Labor per step 3.

Yes, Cush full warranty applies for Parts & Labor
 Parts %: Labor %:

Yes, but Cush warranty applies for Parts only per vehicle age
 Parts %:

No warranty, issue is not a Cush causation but will provide parts but no labor
 Cush Parts %: (parts to ship freight collect)

Repair shop should contact this party for other charges:

No warranty, issue is not a Cush causation

Repair shop should contact this party:

(Y or N in box) Send scrap parts back to Cush freight Collect on RMA#:

Cush Approved or Denied by/Date: