



## SUSPENSION / AXLE MAINTENANCE SCHEDULE

To keep your suspension and axles in optimum working order, we recommend all lugnuts and / or suspension bolts should be checked **around 50 miles of use of a newly purchased trailer**. After the “50 Mile Check” the following minimum service intervals for standard duty, on-highway usage applications. More frequent intervals are recommended for heavier duty applications.



ITEM	FUNCTION	FIRST 6,000 MILES	EVERY 12,000 MILES	EVERY 50,000 MILES	ANNUALLY / 100,000 MILES
Air Control System	Test pressure protection valve (PPV), if equipped. (Drain moisture from reservoirs every use.)				•
Air Lines / Connections	Check for leaks		•		
Air Springs, Structure, & Ride Height	Inspect	Every 1,000 Miles			
Arm Beam-To-Axle	Check connection welds.				•
Axle Assemblies	Check for damage or loose components.	At Every Use			
Bolts / Nuts	Check for loose / missing components.	At Every Use			
Bushings	Inspect			•	
Fastener Torque	Torque all suspension component bolts/nuts to specifications	•		•	
Height Control Valve	Check adjustment.				•
Lubrication Levels	Check levels in wheel ends.				•
Pivot Connection	Inspect connection for worn pivot bushing and wear washers.				•
Suspension Structure	Inspect	At Every Use			
Tires	Inspect	At Every Use			
Wheel-Ends	Check for signs of lubricant leakage & missing components	At Every Use			



ITEM	FUNCTION	3 MONTHS / 3,000 MILES	6 MONTHS / 6,000 MILES	12 MONTHS / 12,000 MILES
Brakes	Test that they're operational.	At Every Use		
Breakaway System	Check battery charge & switch operation.	At Every Use		
Brake Adjustment	Adjust to proper operating clearance.	•		
Brake Magnets	Inspect for wear & current draw.		•	
Brake Linings	Inspect for wear or contamination.			•
Brake Controller	Check for correct amperage & modulation.		•	
Trailer Brake Wiring	Check wiring for bare spots, fray, etc.			•
Hub / Drum	Inspect for abnormal wear or scoring.			•
Wheel Bearing	Inspect for corrosion or wear. Clean & repack.			•

ITEM	FUNCTION	3 MONTHS / 3,000 MILES	6 MONTHS / 6,000 MILES	12 MONTHS / 12,000 MILES
Seals	Inspect for leakage. Replace if removed.			•
Springs	Inspect for wear / loss of arch.			•
Suspension Parts	Inspect for bending, loose fasteners, wear.		•	
Hangers	Inspect welds.			•
Wheel Nuts & Bolts	Tighten to specified torque values.	•		
Wheels	Inspect for cracks, dents, or distortion.		•	
Tire Inflation Pressure	Inflated tires to mfg's specifications.	Weekly		
Tire Condition	Inspect for cuts, wear, bulging, etc.	•		



ITEM	FUNCTION	3 MONTHS / 3,000 MILES	6 MONTHS / 6,000 MILES	12 MONTHS / 12,000 MILES
Brakes	Test that they're operational.	At Every Use		
Brake Adjustment	Check battery charge & switch operation. (Not required with Nev-R-Adjust brakes).	•		
Brake Magnets	Inspect for wear & current draw.		•	
Brake Linings	Inspect for wear or contamination.			•
Brake Controller	Check for correct amperage & modulation.		•	
Brake Cylinders	Check for leaks, sticking.			•
Brake Lines	Inspect for cracks, leaks, kinks.			•
Trailer Brake Wiring	Check wiring for bare spots, fray, etc.			•
Breakaway System	Check battery charge & switch operation.	At Every Use		
Hub / Drum	Inspect for abnormal wear or scoring.			•
Wheel Bearings & Cups	Inspect for corrosion or wear. Clean and repack.			•
Seals	Inspect for leakage. Replace if removed.			•
Springs	Inspect for wear / loss of arch			•
Suspension Parts	Inspect for bending, loose fasteners, & wear.		•	
Suspension Wet Bolts & Equalizers	Grease.	•		
Extreme Duty Bushings	Grease.	•		
Hangers	Inspect Welds.			•
Wheels, Nuts, & Bolts	Tighten to specified torque values.	•		
Wheels	Inspect for cracks, dents, or distortion.		•	
Tire Inflation Pressure	Inflated tires to mfg's specifications.	Weekly		
Tire Condition	Inspect for cuts, wear, bulging, etc.	•		

The life of the trailer is dependent upon the maintenance and upkeep that is provided. The owner should never exceed the trailer GVWR. This information is provided on the VIN (Vehicle Identification Number) Label. Overloading can cause serious damage to the frame, axles, coupler, and to the tow vehicle. If the purchaser so chooses to exceed the GVWR of the trailer, all damages and repairs will become the liability of the customer and any remaining warranty with Diamond C Trailer Mfg. will immediately become void.

**NOTE:** Diamond C Trailer Mfg. reserves the right to withdraw from any warranty in the event that it is determined that repairs are necessary due to negligence and/or abuse.