

Troop ___ Trailer Maintenance Schedule

Inspection and Service before <u>Each</u> use						
Item	Inspection/Service					
Breakaway Brakes (If applicable)	Check operation					
Breakaway Battery (If applicable)	Fully charged, connections clean					
Coupler and Hitch Ball	Check for cracks, pits, and flats. Replace with equal equipment having GVW rating.					
Safety Chains/hooks	Check for wear and damage					
Tires	Check tire pressure when cold. Inflate as needed					
Wheels - Lug nuts (bolts) & hub	Check for tightness Tighten. For new and remounted wheels, check torque after first 10, 25, & 50 miles of driving and after any impact					
Solar Panel and Charge Controller (If applicable)	Verify solar panel is charging the battery by examining solar charge controller					

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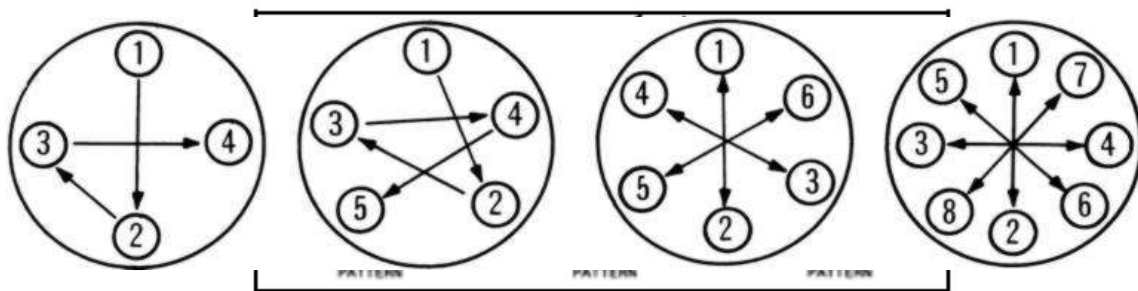
Inspection and Service each 3 months or 3,000 miles						
Item	Inspection/Service					
Structure: Hinges, entry door, all locks	Inspect and Lubricate					
Structure: Hinges, rear door latching and cable guides (if applicable)	Inspect and Lubricate					
Front hitch lock and mechanism	Inspect and Lubricate and grease					

Inspection and Service each 6 months or 6,000 miles						
Item	Inspection/Service					
Tires (see table at end for torques)	Rotate @ 5,000 miles					
Roof	Wash off debris inspect seams (leaks)					
Solar Panel (If applicable)	Clean, inspect					
Tires	Inspect tread and sidewalls thoroughly. Replace tire when treads are worn, sidewall has bulge or is worn.					
Wheel axle hubs (2 or 4 locations)	1 pump from grease gun					
Rear ramp door lower hinges	grease, pump until grease comes out of hinges, wipe clean					
Trailer 12 volt Battery (If applicable)	Check water level, clean posts if needed.					

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Inspection and Service each 12 months or 12,000 miles						
Item	Inspection/Service					
Front Jack	Grease gears at top					
Wheels	Check and confirm free running. Inspect for cracked or bent rims. Replace as necessary					

Tighten the lug nuts to the proper torque for the axle size on your trailer to prevent wheels from coming loose. Use a torque wrench to tighten the fasteners. The only way to be certain you have checked the torque or torqued the lug nuts to the proper torque is with a torque wrench. Four-way wrenches, ratchets, and similar tools can be useful for short-term emergency repairs, but are not appropriate tools for adequately checking lug nut torque. You must use a torque wrench to adequately indicate the torque that you are applying to the lug nut. If you do not have a torque wrench, tighten the fasteners with a lug wrench as much as you can, then have a service garage or dealer tighten the lug nuts to the proper torque. Over-tightening will result in breaking the studs or permanently deforming the mounting stud holes in the wheels.



Keep a record of the date and approximate mileage when you check the lug nut torque. Note any lug nut that has lost torque. Investigate the reason(s) if the lug nut torque is not maintained after more than one re-torque application, because this indicates there is something wrong with the lug nuts, nut studs, wheels and/or hubs and should be corrected.

Contact your dealer or vehicle manufacturer immediately if you experience any persistent lug nut loosening or any other lug, wheel or axle problems.

In the event of a wheel separation incident, notify the vehicle manufacturer and dealer. Seek prompt professional assistance in assessing the trailer and its gear, and retain, but don't re-use involved lugs, wheels and studs. Don't repair or service the trailer yourself. Call a trained technician.

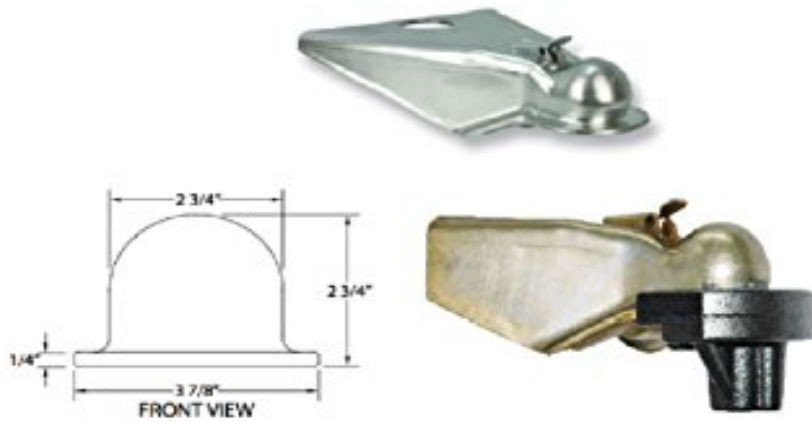
Lug Nut Torque – Steel Wheels		
Axle Rating Pounds	Stud Size	Dry Torque Foot-pounds
3,500 to 5200	½ inch	110-120
6,000 to 7,000	9/16 inch	90-120
8,000	5/8 inch	190-210

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Example Chart Filled In (can be hand written)

Inspection and Service each 3 months or 3,000 miles						
Item	Inspection/Service	5/1/2016	8/1/2016	11/1/2016	2/1/2017	5/1/2017
Structure: Hinges, side door (incl. propane doors) Locks (5)	Inspect and Lubricate	(Initial or check mark) RP	RP	RP	RP	RP
Structure: Hinges, rear door latching and cable guides (2)	Inspect and Lubricate	RP	RP	RP	RP	RP
Front hitch lock and mechanism	Inspect and Lubricate and grease	RP	RP	RP	RP	RP

Trailer Anti-Theft Devices



AMP Lock Standard 2 5/16" lock (2 5/16" trailer coupler lock) About \$50



Trimax TCL265 Small Deluxe Keyed Alike Wheel Chock Lock, (Pack of 2) About \$100