

**TRW Automotive**  
Commercial Steering Systems

## Service Bulletin #TAS-108

### Steering System Maintenance Schedule

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<b>NOTE</b>	Always follow the vehicle manufacturer's maintenance schedule. This publication is meant only to be a general guideline.
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*This TRW Commercial Steering Division service bulletin has been written to help you repair commercial vehicles more efficiently. This bulletin should not replace your manuals; you should use them together. These materials are intended for use by properly trained, professional mechanics, NOT "Do-it-yourselfers". You should not try to diagnose or repair steering problems unless you have been trained, and have the right equipment, tools and know-how to perform the work correctly and safely.*

### Hydraulic System

Area	Frequency
Check oil level	Monthly
Change oil	Annually or every 100,000 miles*
Change oil filter (25 micrometer)	Annually or every 100,000 miles*
Inspect hoses & fittings	Lubrication Interval twice per year

### Mechanical System

Component	Frequency	Reference
Adjust sector shaft preload	As required	See TRW TAS Service Manual
Replace trunnion bearing grease	Chassis lubrication interval or monthly	See TRW Bulletin #TAS-103
Replace input shaft seal grease	Twice per year	See TRW Bulletin #TAS-103
Check bolt torques (mounting bolts, pinch bolts at pitman arm and input shaft, mounting bracket if used)	Annually or every 100,000 miles*	
Lubricate column & u-joint	veh. mfr.	
Lubricate steering linkage	veh. mfr.	
Alignment	veh. mfr.	
Check tire inflation levels	veh. mfr.	
Check 5th Wheel lubrication, surface	veh. mfr.	
Check shock absorber effectivity	veh. mfr.	

\*Vehicles operating under severe conditions (temperature extremes, exposure to salt or other corrosives, dust, etc. require more frequent maintenance.)

## More Maintenance Tips

**Never high pressure wash or steam clean a power steering gear while on or off the vehicle. Doing so could force contaminants inside the gear and cause it to malfunction.**

Make sure vehicle wheel cut or clearances meet manufacturer's specifications, and make sure pitman arm timing marks are aligned properly to **prevent internal bottoming** of the steering gear.

**Never use a torch to remove the pitman arm.**

Investigate and immediately **correct the cause of any play, rattle, or shimmy** in any part of the steering system.

**Make sure the steering column is aligned properly.**

**Encourage drivers to report any malfunctions or accidents** that could have damaged steering components.

**Do not attempt to weld any broken steering component.** Replace the component with original equipment only.

**Do not cold straighten, hot straighten, or bend any steering system component.**

Always **clean off around the reservoir filler cap** before you remove it. Prevent dirt or other foreign matter from entering the hydraulic system.

**Investigate and correct any external leaks**, no matter how minor.

If you feel the vehicle is developing excessively **high hydraulic fluid temperatures**, consult with your vehicle manufacturer for recommendations.

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