



Marine Steering Inspection

INTERNATIONAL *THE MOST RESPECTED NAME IN STEERING*

Your steering system is the most important system on board your boat

As with all mechanical systems used in the harsh marine environment, proper inspection and maintenance is required of an Edson Steering System for long life and years of proper service. Systems which have not been maintained and lubricated properly show signs of wear early and perform less than satisfactory. Therefore, it is important that all boats fitted with Edson Steering Systems get an annual inspection of the critical system parts and that routine maintenance guidelines are followed. This inspection can be done by an Authorized Edson Service Center, or can be done by the boat owner.

After each item is inspected, check the appropriate box on the left-hand side of the checklist. If a replacement part is required, or an upgrade part is needed, make a check in the appropriate box on the right-hand side of the checklist next to the Part #. After the Inspection is complete, copy those Part #'s needed onto the order page attached. This order form can then be taken to your Edson Dealer or Service Center for fulfillment.

Note: Some parts need size designations - refer to your Edson Catalog, Price Page or Specific Boat Data Sheet for sizing information. If you have any questions during the Inspection or while filling out the order form, please contact the Edson Customer Service Department Monday - Friday, between 8am - 5pm Eastern Time.

Edson Steering Inspection Checklist

Please Fill Out This Section Completely.

Owners Name: _____ Boat Name: _____

Address: _____

City: _____ State: _____ ZIP: _____ Phone: () _____

Boat Type/Mfr: _____ Length: _____ Year: _____

Engine Mfr. and Type: _____ Transmission Mfr. and Type: _____

<input checked="" type="checkbox"/> Inspection Area	Action	Parts Needed	<input checked="" type="checkbox"/>
Steering Wheel/Shaft	Remove Steering Wheel for room to work		
	Inspect Wheel, Key and Snap Ring		
	Replace Key if loose in keyway	#684-250W	
	Replace Snap Ring if there are signs of corrosion	#960-A-1870	
	*Orig. Snap Ring replaced w/ new Ring & Washer	#960-A-729	
	Remove compass and cylinder (follow mfr. rec.)		
	Replace Compass Bolts if corroded	3 1/2" - #817-3.5	
	Coat Compass Bolts with Tef-Gel before re-installing.	1" - #817-1	
Engine Control	Inspect handles, levers, shafts, bushings		
	Upgrade plastic handles to stainless	Throttle -#963SB-55 Clutch -#963PT-55	
	Replace Delrin Bushings if deteriorated or stiff	#960-A-125	
	Inspect Engine Cables		
	Replace cables if deteriorating or stiff	#734-33-spec length #735-64-spec length	
Wheel Brake	Inspect Brake. Tighten to determine if working properly Visually inspect pads. Clean grease off of knurling.		
	Replace Pads if worn or ineffective	Brake Kit - #316-689	
	Upgrade plastic knob to stainless	#825ST-1	
Steering Chain/Sprocket	Inspect chain for proper lubrication and free-movement		
	Replace if dry, corroded, or does not "roll"	#886-spec size	
	Inspect sprocket for broken, worn or bent teeth		
	Replace sprocket if broken or bent	#855-spec size	
Steering Shaft Bearings	Inspect condition of bearings by turning shaft and checking for play or resistance while chain is disconnected.		
	Replace bearings if stiff or excessive play	#314-335	
Steering Cables	Oil tissue and run along wire. Inspect Steering Cable for signs of wear such as "meat-hooks" or kinks.		
	Replace wires if there are any signs of wear	#885-spec size	
	Check cable tension. Cable should deflect 1" per foot.		
	Tighten cables at the quadrant take-up eyes if loose.		
	Inspect Conduit (if used) for worn areas or tight bends.		
	Replace if worn through	#797-250	
	Lubricate conduit with Teflon Grease if dry.	#827-3	
<i>Continued</i>			

<input checked="" type="checkbox"/> Inspection Area	Action	Parts Needed	<input checked="" type="checkbox"/>
Cable Sheaves/Idler	Inspect Idler Plate and Sheaves for corrosion or wear from misaligned cables. Look for metal dust under sheave.		
	Inspect Sheave Pins for excessive wear.		
	Replace Idler, Sheaves or Pins if corroded or worn.	See Data Sheet	
Steering Cable Alignment	Correct cable alignment within the sheave system is required to insure longevity of the system. Check that Cables are centered in the groove of the sheaves and quadrant.		
	Adjust sheave placement to insure a fair wire lead.		
	Inspect Quadrant or Radial for signs of wear or corrosion.		
Quadrant / Radial Wheel	Inspect for cable wear along wire groove.		
	Inspect connection at rudderpost for tightness.		
	Inspect Rudderstop. Is it hitting supports on both sides?		
	Replace Quadrant if weakened by corrosion.	See Data Sheet	
	Replace Rubber Bumper on Stop if missing.	#960-A-534	
	Tighten all bolts clamping Quadrant on rudderpost.		
Overall Inspection	Align Quadrant or Sheaves for fair wire runs.		
	Tighten all fasteners including pedestal bolts, wire rope clamps, and quadrant rudderpost/connections.		
	Inspect Pedestal base for water leakage.		
Lubrication	Seal with bedding compound if leaking.		
	For longevity of the steering system, proper lubrication is required.		
	Lubricate Shaft Roller Bearings with Teflon Grease	#827-3	
Upgrades	Lubricate Cable Conduit with Teflon Grease		
	Oil Wire Rope, Chain and Sheave Pins w/ #30 Motor Oil		
	Many parts that Edson used to make in plastic are now built of Stainless Steel. Upgradeable items include:		
	Stainless Shift Handle	#963SB-55	
	Stainless Throttle Handle	#963PT-55	
	Stainless Wheel Nut	#673ST 1" or 3/4"	
	Stainless Quick-Release Wheel Nut	#826ST 1" or 3/4"	
	Stainless Brake Knob	#825ST-1	
	These items are easily replaced during an inspection.		
	Kits are available for routine maintenance:		
	Brake Maintenance Kit	#316-689	
	Pedestal Maintenance Kit	#314-335	
	Pedestal Maintenance Kit	#314-335-400	

If during the steering inspection you find that the Steering Pedestal needs repainting, please request the Edson Pedestal Repainting Guide (EB-95-345). This Engineering Bulletin will outline the steps required to properly repaint or replace the pedestal as well as areas to check for possible electrolysis. Contact Edson Customer Service for this and other Engineering Bulletins.

Many of these parts are available in kit form. If you are replacing several items, you may consider purchasing the Brake Maintenance Kit (#316), the Pedestal Maintenance Kit (#312), or the Pedestal Rebuild Kit (#314). These are available through Edson Dealers or Factory Direct.

When the Steering Inspection is completed, copy the Part #'s of the required replacement and upgrade parts onto the attached order form.

