



THE MOST RESPECTED NAME IN STEERING

Sailboat Steering Inspection

Your Steering System is one of the Most Important Systems 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 chain and wire system inspection can be done by an Authorized Edson Service Center or a capable boat owner. Please request or download a data sheet specific to your boat prior to starting your inspection.

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 attached steering inspection log. Orders can be placed directly through Edson, or your Edson Dealer or Service Center.

Note: Some parts need size designations - visit www.edsonmarine.com or 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 at (508)-995-9711.

www.edsonmarine.com

(508) 995-9711 - info@edsonintl.com

EDSON® STEERING INSPECTION CHECKLIST

Owners Name: _____ Boat Name: _____

Boat Make/Model: _____ Length: _____ Year: _____

<input checked="" type="checkbox"/> Inspection Area	Action	Parts Needed	<input checked="" type="checkbox"/>
Steering Wheel/Shaft (Straight/Side Mount Brake*) *Pre 2003	Remove Steering Wheel for room to work		
	Inspect Wheel, Key, Nut, 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 and Washer	#960-A-729	
	Remove Compass and cylinder (follow mfr. rec.)		
Steering Wheel/Shaft (Tapered/Thru-Shaft Brake*) *2003-Present	Replace Compass Bolts if corroded	3 1/2" - #817-3.5	
	Coat Compass Bolts w/ Tef-Gel before reinstalling	#2470	
	Remove Steering Wheel for room to work		
	Inspect Wheel, Key, Nut, and Brake Knob		
	Replace Key if loose in Keyway	#684-187W	
	Remove Compass and cylinder (follow mfr. rec.)		
Engine Control	Replace Compass Bolts if corroded	3 1/2" - #817-3.5	
	Coat Compass Bolts w/ Tef-Gel before reinstalling	1" - #817-1	
	Inspect Handles, Levers, Shafts, Bushings		
	Upgrade plastic handles to stainless	Throttle - #963SB-55 Clutch - #963PT-55	
	Replace Delrin Bushings if deteriorated or stiff		
	Inspect Engine Cables		
Wheel Brake	Replace Engine Cables if deteriorating or stiff	#734-33-spec length #735-64-spec length	
	Inspect Brake. Tighten to determine if working properly		
	Visually inspect pads. Clean Grease off of knurling or plate		
	Replace Pad(s) if worn or ineffective	Side Mount #316-689 Thru-Shaft #316-336-402-TSB	
	Thru-Shaft Bulkhead and Shelf Steerers	#316-Steerer	
	Upgrade Plastic Knob to Stainless (side mount only)	#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	<i>Chain must be centered on sprocket when rudder is centered</i>		
	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	*Additional Bearing needed for 400 series pedestals		
	Inspect steering cable for signs of wear such as "meat-hooks" or kinks by running an oiled tissue along the wire.		
	Replace Wires if there are any signs of wear	#885-spec size	
	Check Cable tension. Cable should not be able to come off sheaves or radial drive wheel or quadrant. Check the lazy cable with the wheel turned hard over! Cables should be snug, excessive tension will cause premature wear on the system.		
	Tighten Cables at the quadrant take-up eyes if loose		
	Inspect Conduit (if used) for worn areas or tight bends		
	Replace if worn - or older than 10 years (saltwater boats)	#797-250	
	Lubricate conduit with Teflon Grease	#827-3	
<i>Continued</i>			

www.edsonmarine.com

EDSON® STEERING INSPECTION CHECKLIST

<input checked="" type="checkbox"/> Inspection Area	Action	Parts Needed	<input checked="" type="checkbox"/>
Cable Sheaves/Idler	Inspect Idler Plate and Sheaves for corrosion and wear from misaligned cables. Look for metal dust underneath.		
	Inspect Sheave Pins for wear.		
	Replace Idler, Sheaves, or Pins if corroded or worn	See Data Sheet	
Steering Cable Alignment	Correct Cable alignment within the sheave system is req'd to insure longevity of the system. Check that cables are centered in the groove of the sheaves and the quadrant.		
	Adjust Sheave placement to insure a fair wire lead		
Quadrant / Radial Drive Wheel	Inspect Quadrant or Radial for signs of wear or corrosion		
	Inspect for cable wear along wire groove		
	Inspect connection at rudderpost for tightness		
	Inspect Rudderstop. Is it hitting supports on both sides?		
	Replace Quadrant or Radial if weakened by corrosion	See Data Sheet	
	Replace Rubber Bumper on Stop if missing	#960-A-534	
Overall Inspection	Tighten bolts clamping Quadrant / Radial to rudderpost		
	Align Quadrant / Radial or Sheaves for fair wire runs		
	Tighten all fasteners including pedestal bolts, wire rope clamps, and quadrant / radial rudderpost connections.		
	Inspect Pedestal base for water leakage		
Lubrication	Seal with bedding compound if leaking		
	For longevity of the system, proper lubrication is req'd		
	Lubricate Shaft roller bearings w/ Teflon Grease		
	Lubricate Cable Conduit w/Teflon Grease		
Upgrades	Oil Wire Rope, Chain, and Sheave Pins w/ #30 motor oil		
	<i>T-9 Boeshield can also be used for the chain</i>		
Upgrades	Many parts that Edson used to make out of plastic are now Stainless Steel. Upgradeable items include:		
	Stainless Shift Handle	#963PT-55	
	Stainless Throttle Handle	#963SB-55	
	Stainless Wheel Nut	#673ST 1" or 3/4"	
	Stainless Quick-Release Wheel Nt	#826ST 1" or 3/4"	
	Stainless Brake Knob	#825ST-1	
	<i>These items are easily replaced during an inspection</i>		
Kits	Kits are available for routine maintenance:		
	Brake Maintenance Kit (Side-mount)	#316-689	
	Brake Maintenance Kit (Thru-shaft)	#316-336-402-TSB	
	Brake Maintenance Kit (Bulkhead/Shelf Thru-shaft)	#316-Steerer	
	Pedestal Maintenance Kit	#312-335-400	
	Pedestal Rebuild Kit	#314-335	
	Touch-up Paint (Pre-2011 Pedestals)	#333-1	
Touch-up Paint (2011 and newer Pedestals)	#333-2		

Many of these parts are available in kit form, including chain and wire assemblies. All castings are designated with part numbers to assist in indentification. Parts are available to order through Edson Dealers or Factory Direct (www.edsonmarine.com or 508-995-9711).

During your inspection, take photos and log any parts that are replaced. Make note of your inspection date and schedule your next inspection. Once to twice a season is a bare minimum - racing boats and heavily sailed cruising boats should consider more frequent inspections. An aggressive maintenance schedule needs to be followed if sailing in the Caribbean or other equatorial level locations.

Additional engineering bulletins are available through contacting Edson Customer Service or visiting Edson online.

www.edsonmarine.com

