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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](http://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](http://www.edsonmarine.com)**

**(508) 995-9711 - [info@edsonintl.com](mailto: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"/>
<b>Steering Wheel/Shaft</b> (Straight/Side Mount Brake*) *Pre 2003	<b>Remove</b> Steering Wheel for room to work		
	<b>Inspect</b> Wheel, Key, Nut, and Snap Ring		
	<b>Replace</b> Key if loose in Keyway	#684-250W	
	<b>Replace</b> Snap Ring if there are signs of corrosion	#960-A-1870	
	*Orig. Snap Ring Replaced w/ new Ring and Washer	#960-A-729	
	<b>Remove</b> Compass and cylinder (follow mfr. rec.)		
<b>Steering Wheel/Shaft</b> (Tapered/Thru-Shaft Brake*) *2003-Present	<b>Remove</b> Steering Wheel for room to work		
	<b>Inspect</b> Wheel, Key, Nut, and Brake Knob		
	<b>Replace</b> Key if loose in Keyway	#684-187W	
	<b>Remove</b> Compass and cylinder (follow mfr. rec.)		
	<b>Replace</b> Compass Bolts if corroded	3 1/2" - #817-3.5	
	<b>Coat</b> Compass Bolts w/ Tef-Gel before reinstalling	#2470	
<b>Engine Control</b>	<b>Inspect</b> Handles, Levers, Shafts, Bushings		
	<b>Upgrade</b> plastic handles to stainless	Throttle - #963SB-55 Clutch - #963PT-55	
	<b>Replace</b> Delrin Bushings if deteriorated or stiff		
	<b>Inspect</b> Engine Cables		
	<b>Replace</b> Engine Cables if deteriorating or stiff	#734-33-spec length #735-64-spec length	
	<b>Wheel Brake</b>	<b>Inspect</b> Brake. Tighten to determine if working properly Visually inspect pads. Clean Grease off of knurling or plate	
	<b>Replace</b> Pad(s) if worn or ineffective	Side Mount #316-689 Thru-Shaft #316-336-402-TSB	
		Thru-Shaft Bulkhead and Shelf Steerers #316-Steerer	
	<b>Upgrade</b> Plastic Knob to Stainless (side mount only)	#825ST-1	
	<b>Steering Chain/Sprocket</b>	<b>Inspect</b> Chain for proper lubrication and free movement	
	<b>Replace</b> if dry, corroded, or does not roll	#886-spec size	
	<b>Inspect</b> Sprocket for broken, worn, or bent teeth		
	<b>Replace</b> Sprocket if broken, or bent	#855-spec size	
<b>Steering Shaft Bearings</b>	<b>Inspect</b> condition of bearings by turning shaft and checking for play or resistance while chain is disconnected		
	<b>Replace</b> Bearings if stiff or excessive play	#314-335*	
	*Additional Bearing needed for 400 series pedestals		
<b>Steering Cables</b>	<b>Inspect</b> steering cable for signs of wear such as "meat-hooks" or kinks by running an oiled tissue along the wire.		
	<b>Replace</b> Wires if there are any signs of wear	#885-spec size	
	<b>Check</b> 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.		
	<b>Tighten</b> Cables at the quadrant take-up eyes if loose		
	<b>Inspect</b> Conduit (if used) for worn areas or tight bends		
	<b>Replace</b> if worn - or older than 10 years (saltwater boats)	#797-250	
	<b>Lubricate</b> conduit with Teflon Grease	#827-3	
		<i>Continued</i>	

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# EDSON® STEERING INSPECTION CHECKLIST

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

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