

Edson Engineering Bulletin

CD-i Compact Rack and Pinion Pedestal Steering Maintenance

The Edson CD-i Geared Steering System has been designed for years of trouble-free service. But as with all systems used in the harsh marine environment, proper maintenance and care is required so that the system remains in like-new condition.

The Edson CD-i System should be lubricated with heavy-duty Teflon grease, such as Edson's Part #827. The top rack and pinion gears, upper and lower grease fittings for the needle bearings require annual lubrication.

Rack and Pinion Teeth: Gradually turn the wheel from port to starboard while applying grease to the individual teeth to insure that the entire tooth surfaces are being lubricated.

Downtube Needle Bearings: Grease fittings are located on the inside of the Downtube just below the Wheel Shaft and just above the lower end of the

downtube on the forward side. Both bearings should be lubricated at these locations. Because of the very tight tolerances of the bearings, a little grease goes a long way - Do not over lubricate the system. The system should be lubricated at least once a year.

Drag Link End Fittings: The ball joint at both ends of the drag link should be lubricated annually with Teflon Grease as well. Apply a small amount of grease to the ball joint and move the ball side-to-side to lubricate the entire bearing surface. Removing the drag link ends from the tiller arms may be necessary .

Special information for Edson Internal CDi Steering Systems installed on Hunter Yachts:

Both the Downtube and Steering Shaft Bearings require lubrication with Teflon Grease. The upper bearing grease fitting is located just under the top bowl casting on the forward side of the outer tube. The lower bearing grease fitting is located just above deck level on the forward side of the outer tube. The steering wheel shaft needle bearing grease fitting is located on the top of the aft bearing race. The forward bearing is sealed and requires no lubrication.

Twice a Year, spray all exposed aluminum parts inside the console with T-9 Boeshield taking special care to spray the parts in the cockpit well from the base of the pedestal to the rudderpost

IMPORTANT

To properly maintain the moving parts in the Edson CD-i Compact Rack and Pinion Steering System, it is necessary to remove the compass and its cylinder. For proper alignment when reinstalling the compass, we recommend placing three or four pieces of tape on the pedestal and compass as shown. Slit the tape when removing compass for visual realignment, Your compass **MUST** then be checked for accuracy before using the boat.

