

# ELECTRONIC CONTROLS

Outside Pedestal

6506  
side mount



6505-  
2000  
remote panel

Inside Wheelhouse



6505S  
control head

6527-S  
actuator



## The Mighty Mariner

Single Engine, Two Station  
(other arrangements are available)



5019  
shaft brake



Disc  
Brake

While the engine is off, there is no lubrication to the gearbox bearings. If the shaft brake is free-wheeling, the bearing will eventually fail due to the lack of lubrication. The 5019 shaft brake is used for holding the propellor shaft while under sail power and prevents the shaft from turning when the engine is off.



*Kobelco electronic marine control systems come with a 2-year limited warranty that is the best in the industry.*

*Strict quality controlled manufacturing and sturdy corrosion-resistant materials ensure trouble-free service above and beyond this generous warranty period.*

# KOBELCO

Quality Control

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5M/03/05

# A TALE OF TWO WORLDS

Experience the feel of the wheel, with the ease of hydraulics ... full rudder control at your fingertips.

# KOBELCO

# KOBELT STEERING SYSTEMS

# MARINE CONTROLS

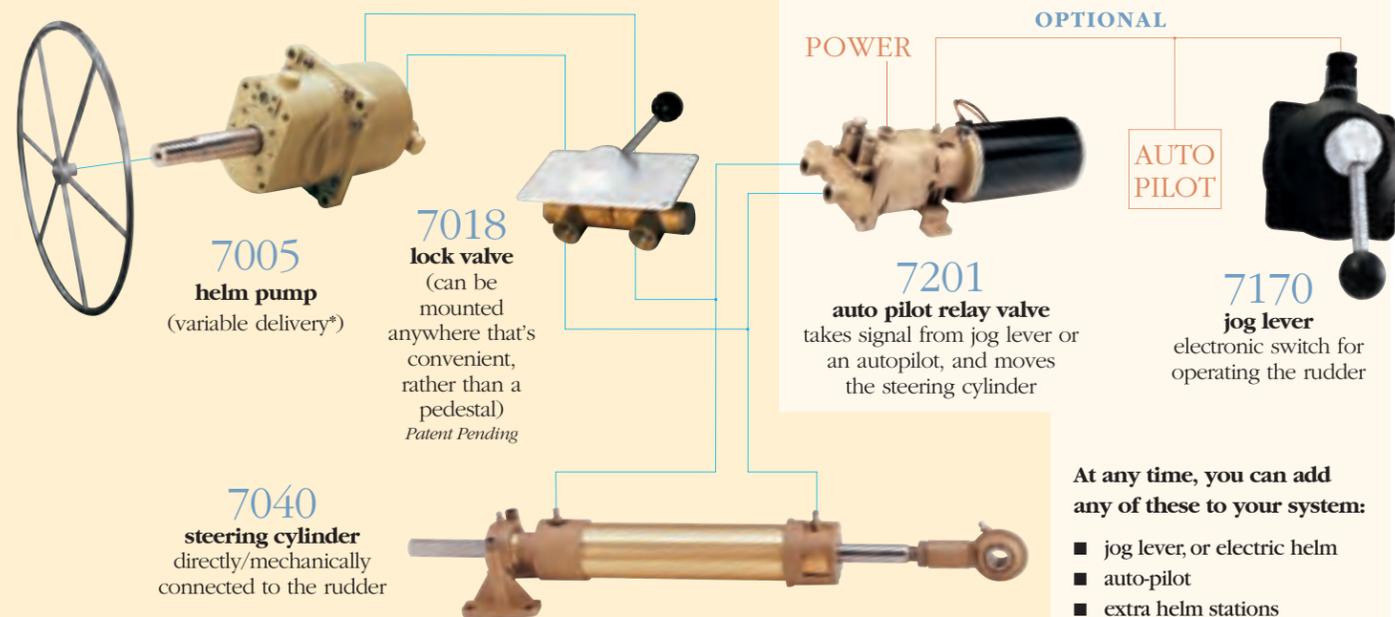
For many years, the sailboat community had the distinct impression that hydraulic steering gear was not an effective route to go as it did not provide any feedback from the rudder. Many skippers prefer mechanical steering which allows them to feel the pressure (feedback) on the rudder, giving them a feel for wind and weather conditions. However, when a mechanical control was used in conjunction with any power assist or auto pilot, it became a difficult task.

Installing a Kobelt hydraulic steering system will provide fingertip control and absolute feel of the rudder, while also allowing power steering or auto-pilot to be added easily.

Compared to a mechanical steering system, a hydraulic system is relatively easy to install, trouble free, and has great options. As a bonus, you'll save time and money by not installing mechanical chain, sprockets, pulleys, etc.

This steering system was designed with the avid sailor in mind. The skipper can feel the pressure of the rudder by turning the lock valve (model 7018), to the "open" position. If a certain course or rudder position needs to be maintained, the valve can be closed (engaging the lock valve) and holding the hydraulic oil in position, until the steering wheel is turned to a new heading. This is handy when leaving the wheel to set sails or handing over the helm to a less experienced first mate.

The normal way to operate hydraulic steering is to rotate the helm pump (steering wheel) which pushes oil through the lock valve (check valve) to the cylinder. The 7018 lock valve allows you to open the check valves for free flow in both directions, enabling you to feel back pressure from the rudder.



The 7018 should be installed below the helm pump for easy bleeding. A porting block must replace the existing lock valve on the back of the helm pump. It can be changed in the field too.

*Just tell your Kobelt dealer that you want a helm pump that works with the remote lock valve (model 7018).*

**A full variety of sizes and options are available for these Kobelt products.**

\* The variable delivery helm pump shown here offers an easy way to set the number of turns to meet your exact needs, including Hard-Over to Hard-Over between 1 and 3 turns of the wheel.

**Kobelt makes the highest quality marine controls.**

We have many different control heads to suit all marine applications. This is just a sampling of what we have available. If you don't see what you need here, visit us at [www.kobelt.com](http://www.kobelt.com) for more choices.



## KOBELT QUALITY

Since 1962, Kobelt has built a global reputation for the design and manufacture of marine steering and propulsion system controls and related accessories. Our international leadership is based on a relentless search for design and engineering improvements, beautifully machined components of enduring die-cast bronze and stainless steel, plus deliveries and prices that are competitive world-wide. Behind it is a simple guiding principle: we believe that if we get you where you're going, you'll get us where we're going.



"My Kobelt steering is smooth, positive and easy to use. I know it will give me many more years of trouble-free service."

— Ted Honeywell



(Kobelt Products either carry a patent or the patent is pending.)



[www.kobelt.com/sailboat](http://www.kobelt.com/sailboat)

