

**Mackay's Worldwide Magnetic Compass Adjusters are Trained and Certified
Lump-Sum Pricing Available when Combined with Other Annual Services**



Price: \$1,200

Full Magnetic Compass Adjustment

Comprehensive Onboard Magnetic Compass Adjustment Service for All Vessel Classes

- Mackay's qualified Magnetic Compass Technician will sail with the vessel; taking readings while conducting swing-ship and steering on all required headings.
- Provided the vessel compasses are in good working order, Mackay's Technician will make required adjustments and provide a certified, signed, and stamped deviation table.
- Launch and Taxi costs to be charged in addition if applicable.



Price: \$975

Dockside Inspection & Deviation Table Issuance

Dockside Inspections for Vessels Meeting Specific Requirements

- The crew will have swung the vessel prior to entering port; observed, recorded, and submitted the Magnetic Compass Check Sheet and other documentation listed on the required Pre-Service Checklist.
- If all criteria are met, and within IMO and ISO requirements, including any necessary adjustments; Mackay's Technician will conduct a comprehensive inspection of the ship's logs, documentation, and equipment.
- Further updates and guidance may be required through remote assist services.
- Mackay's Technician will provide a certified, signed, and stamped deviation table.



Combo: \$975

Save Time and Money

Reduced Pricing when Combined with Other Annual Services

- Save time and money when the *Full Magnetic Compass or Dockside Inspection Services* are combined with one of Mackay's popular Annuals Packages.
- Combo Service may be Paired with VDR Annual Performance Tests, Safety Radio Surveys, Gyro Overhauls, and Radar Grooms.



Price: \$700

Small Vessel Service

Mackay Services and Certifies Smaller Vessels at a Lower Price

- Non-IMO vessels receive *Full Magnetic Compass Adjustment Service* at a reduced price and will include all standard onboard service procedures.

Adjustment Service Recommended Every Two Years

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Prices Listed Above are Reduced by 20% for Attendance in APAC & India

**For More Details or to Order Services, Contact Mackay 24/7 at:
service@mackaymarine.com, or +1 281 478 6245**



Global Magnetic Compass Repair & Exchange Service Voyage Compliance Made Simple

Exchange Program Streamlines Compass Adjusting and Repair

Mackay's *Compass Repair and Exchange Services* are supported by a fully-equipped compass repair shop and dedicated team with two decades of experience overhauling all major brands of magnetic compasses. Providing speedy, cost effective, and convenient solutions to satisfy magnetic compass carriage and inspection requirements will enable your vessels to keep sailing without disruption of service.

The *Magnetic Compass Exchange Service Program* maintains a comprehensive stock of overhauled and certified magnetic compasses from all major brands in multiple strategic global locations; awaiting deployment to ports worldwide.

Easy Exchange Process

- Email the Following Details to compass@mackaymarine.com
 - Brand Name and Photo of Damaged Compass to be Exchanged
 - Ship-to Port and Date of Arrival
- An overhauled unit will be shipped to most any global port.
- Once the exchange compass is onboard, the crew simply removes the unit from the special shipping box.
- The damaged ship's compass should be returned in the same shipping box to Mackay within 3 weeks.
- The defective unit must be returned on time and in the original "exchange unit" box, or additional charges may follow.
- Typical Exchange Fee: \$800 (US)

Exchange Compasses In-Stock

- SARACOM – MC-180
- Tokyo Keiki (Tokimec) – HB-165A-5, SH-165A1
- Osaka Nunotani Seiki – KN-R165, R165-A (compatible interchangeable models)
- Cassens & Plath – Type 11 & 12
- Sperry Marine/C-Plath – Jupiter 2060
- Saura Keiki – SR165M
- Lilley & Gillie – SR3/4
- Ludolph – M55
- Observer – MK- II / III / IV



Exchange Program Benefits

- 24/7 Response & Rapid Replacement Handling of all Major Compass Brands
- No deficiencies nor detentions by Port State Control
- Fully Equipped Compass Repair, Overhaul and Calibration Workshop

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