

Mechanic Service Call: 2013 Bryant 233X

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Table of contents

Call Objective (11/04/2025)	1
1. Core Asset Profile (For Mechanic's Reference)	1
2. Primary Service & Quote Items (CRITICAL)	2
A. Stiff Steering Diagnosis (Top Priority)	2
B. Manifold & Riser Replacement (Mandatory)	2
C. Full Winterization	2
3. "While You're At It" (Diagnostics)	3
4. Quotes & Notes	3
Quotes:	3
Diagnostics:	4
Scheduling:	4

Call Objective (11/04/2025)

This checklist is to ensure I get complete and accurate quotes for all **Critical Maintenance & To-Do List** items. The goal is to diagnose immediate safety issues and schedule mandatory pre-season replacements.

1. Core Asset Profile (For Mechanic's Reference)

- **Vessel:** 2013 Bryant 233 X ("Surf Edition")
- **Engine:** Mercruiser 350 MAG (300hp)
- **Cooling:** Raw Water Cooled (RWC)
- **Drive:** Mercruiser Bravo III (Dual-prop)

- **Critical System:** 3-Bag Factory Ballast System (must be winterized)
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2. Primary Service & Quote Items (CRITICAL)

These are the non-negotiable items for the call.

A. Stiff Steering Diagnosis (Top Priority)

- **Symptom:** “The steering is extremely stiff at the helm, making it difficult to turn the wheel.”
- **Diagnostic Ask:** “When you have the boat, please **disconnect the steering cable from the engine’s tiller arm** to isolate the problem.”
- **Quote Needed:** I need two quotes based on that diagnosis:
 1. Quote to **replace the steering cable** (if the wheel is still stiff when disconnected).
 2. Quote to **address the gimbal ring swivel shaft** (if the wheel turns freely and the problem is at the outdrive).

B. Manifold & Riser Replacement (Mandatory)

- **Job:** “I need a quote to replace the exhaust manifolds and risers. They are the 12-year-old originals and must be replaced before next season.”
- **Key Question (Parts):** “Is your quote for **OEM Mercruiser parts** or **aftermarket** (like Barr, Osco, etc.)? I would like to see the price for both if possible.”
- **Key Question (Labor):** “Please confirm the quote includes all **new gaskets and mounting bolts**.”
- **Quote Needed:** Price for Parts (OEM vs. Aftermarket) + Estimated Labor Hours.

First Mate’s Note: Given our goal of long-term reliability, OEM Mercruiser parts are highly preferred.

C. Full Winterization

- **Job:** “I need a quote for a complete winterization.”
- **Engine Ask:** “What is your process for draining the 350 MAG RWC block and manifolds, and then running marine antifreeze (pink) through?”
- **Ballast Ask (Crucial):** “Crucially, what is your process for fully draining the **3-bag factory ballast system**? This includes all pumps, lines, and bags.”

- **Fuel Ask:** “Does your service include adding **marine fuel stabilizer** to the 49-gallon tank and running it through the engine?”
 - **Quote Needed:** All-in price for full winterization service.
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3. “While You’re At It” (Diagnostics)

“While you have the boat for the winterization and other quotes, please provide a simple diagnosis or check on these items:”

- **Bilge Float Switch (Critical):** “Please test the automatic bilge float switch. It is a primary safety system and its function is unknown.”
 - **Throttle Cable:** “The throttle is sticking at idle. Can you inspect it, lubricate it, and confirm if the stiffness is in the cable or at the throttle body?”
 - **Trailer Tires:** “Please check the 4-digit date codes on all four main trailer tires. They are old, and I need to know their manufacturing date to plan for replacement.”
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4. Quotes & Notes

- **Mechanic Shop:** _____
- **Contact:** _____

Quotes:

- **Steering Diagnosis:** _____
 - *Quote (Cable):* \$ _____
 - *Quote (Gimbal):* \$ _____
- **Manifolds (OEM Parts + Labor):** \$ _____
- **Manifolds (Aftermarket + Labor):** \$ _____
- **Winterization (Full, incl. Ballast):** \$ _____

Diagnostics:

- **Bilge Float Switch:** (Good / Bad / Replace) _____
- **Throttle Cable:** (Needs Lube / Needs Replace) _____
- **Tire Date Codes:**
 - *Driver Front:* _____
 - *Driver Rear:* _____
 - *Pass. Front:* _____
 - *Pass. Rear:* _____

Scheduling:

- **Shop Labor Rate:** \$_____ / hour
- **Next Available Service Date:** _____
- **Estimated Turnaround Time:** _____