

**NUMBER: 83-21**

- A. Continuity Circuit on Newer MerCruiser MCM 120R-thru-260R Models
- B. Continuity Circuit Kit (99940A1) for MerCruiser I, TR and TRS Models

CIRCULATE TO:  
SERVICE MANAGER   
PARTS MANAGER   
MECHANICS   
"Place in a Service  
Bulletin Binder"

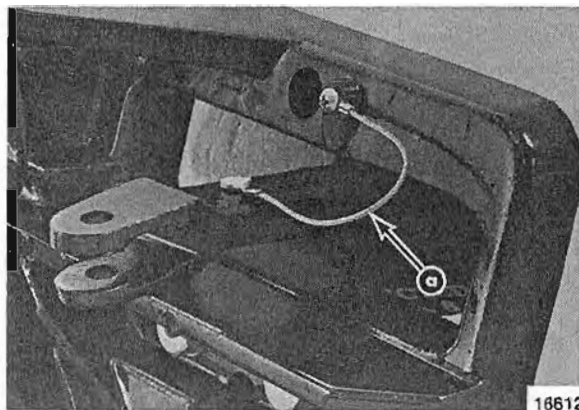
## A. CONTINUITY CIRCUIT ON NEWER MERCUISER MCM 120R-thru-260R MODELS

Newer production MerCruiser MCM 120R-thru-260R Models (with transom assembly and stern drive unit serial numbers given below) will be equipped with a continuity circuit. (Figures 1-thru-6)

**Stern Drive Unit - 6339714 and Above**  
**Transom Assembly - 6337643 and Above**

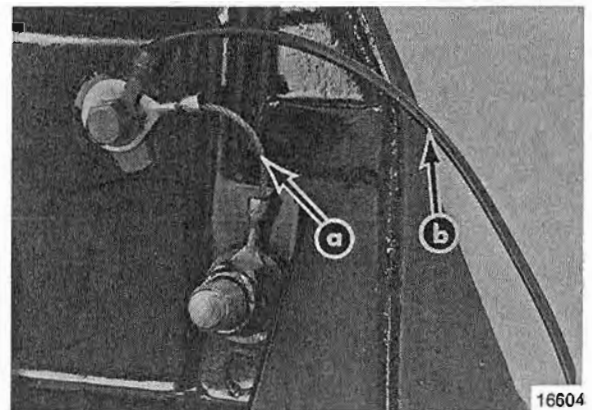
The continuity circuit should provide improved stern drive corrosion resistance by ensuring good electrical continuity between the stern drive components. Good continuity between drive components (less than 0.1 ohms resistance) is essential for the zinc anodes and MerCathode System (if so equipped) to function most effectively.

The continuity circuit should be checked periodically for loose connections or broken or fraying wires. Use Continuity Circuit Kit (99940A1) if replacement parts are required.



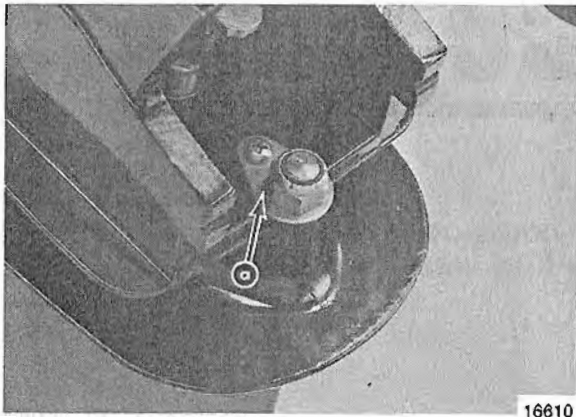
a - Ground Wire

**Figure 1. Steering Lever Ground Wire**



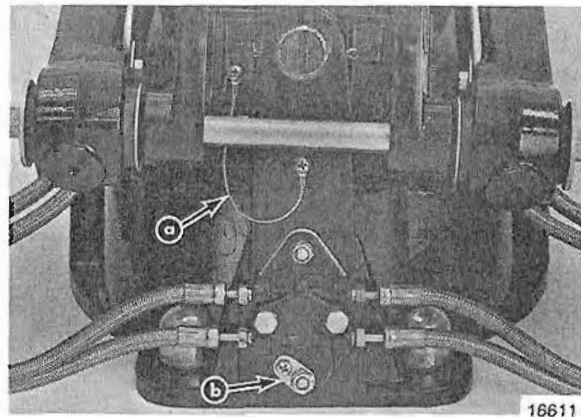
a - Inner Transom Plate Ground Wire  
b - Engine Ground Wire

**Figure 2. Inner Transom Plate Ground Wire**



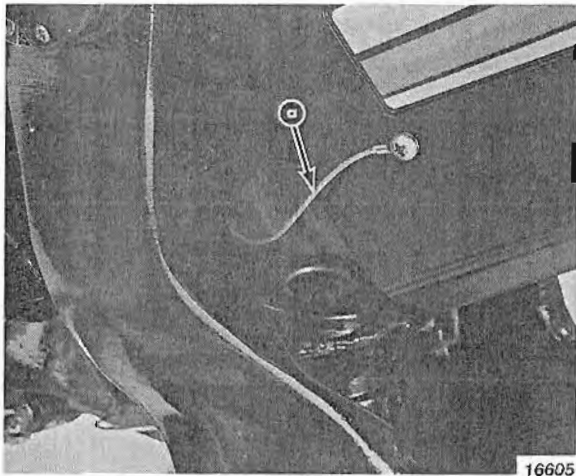
a - Ground Plate

**Figure 3. Gear Housing-to-Drive Shaft Housing Ground Plate**



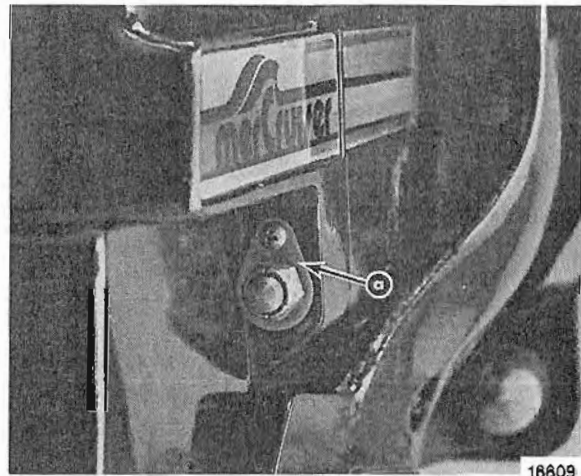
a - Ground Wire  
b - Ground Plate

**Figure 4. Gimbal Ring Ground Wire and Hydraulic Connector Ground Plate**



a - Ground Wire

**Figure 5. Bell Housing Ground Wire**



a - Ground Plate

**Figure 6. Drive Shaft Housing-to-Bell Housing Ground Plate**

## **B. CONTINUITY CIRCUIT KIT (99940A1) FOR MERCUISER I, TR and TRS MODELS**

A Continuity Kit (99940A1) has been released for use on MerCruiser I Models (with trim limit switch on the side of gimbal ring) and all TR and TRS Models. Installation instructions are included in the kit. It is recommended that this kit be used in conjunction with a MerCathode System to obtain the optimum in corrosion protection.