

WARRANTY INFORMATION SERVICE INFORMATION
 PARTS INFORMATION

Bulletin No. 2002-07

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

RF Interference Between MotorGuide Excel Sonar-Ready Motors and Pinpoint Sonar Displays

Models Affected

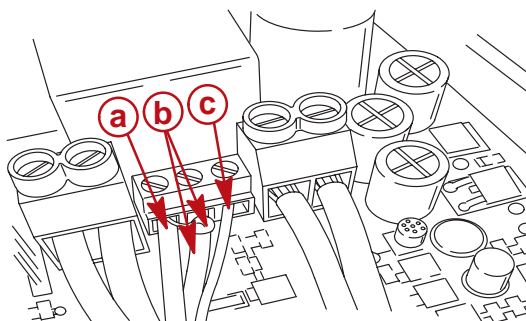
All 2000-2003 MotorGuide Excel sonar-ready motors (model numbers EX82SP & EX109SP)

Situation

Under certain circumstances, RF interference may occur between the MotorGuide Excel motor and the Pinpoint sonar display.

Correction

Should you encounter RF interference between the Excel motor and the Pinpoint sonar display, inspect the 24 AWG (0.8 mm²) white ground wire coming from the transducer to the TB3 green terminal block on the circuit board. There should be one 24 AWG (0.8 mm²) white transducer ground wire on terminal C, an 18 AWG white return ground wire on terminal B and an 18 AWG blue pulse-width modulation (PWM) wire connected to terminal A. Also inspect for the presence of the blue .22 uf 50v capacitor connected to terminal B with the white return ground wire and to terminal A with the blue PWM gate lead. The 24 AWG (0.8 mm²) white transducer ground wire must be connected to terminal C and the capacitor must be present. If the capacitor is damaged or missing it must be replaced. If the ground wire is missing, replace the magnet housing.



- a** - 18 AWG PWM wire
- b** - 18 AWG return ground wire with .22 uf 50v capacitor
- c** - 24 AWG transducer ground wire

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Parts Required

Qty. 1	MXS05002	22UF, 50v monolithic ceramic capacitor
Qty. 1		Magnet housing (see parts catalog for the specific part number)

Warranty

Model/Serial Number.

Quantity, part number and description of part(s). 1 MXS05002

Labor Time. Five tenths (0.5) replacement of capacitor

Flat Rate Code: ET80 for capacitor

Part Code: 930

Failure Code: 02

US and Canada: Complete/process claim via MercNet or a warranty claim form.

Fax: 1-920-929-5893

Mail to: Mercury Marine

Attn: Warranty Department

P.O. Box 1939

Fond du Lac, WI 54936

International: Follow instructions issued by the Marine Power International office or by your distributor.

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