

# SEAKEEPER CODE 56 DISCUSSION

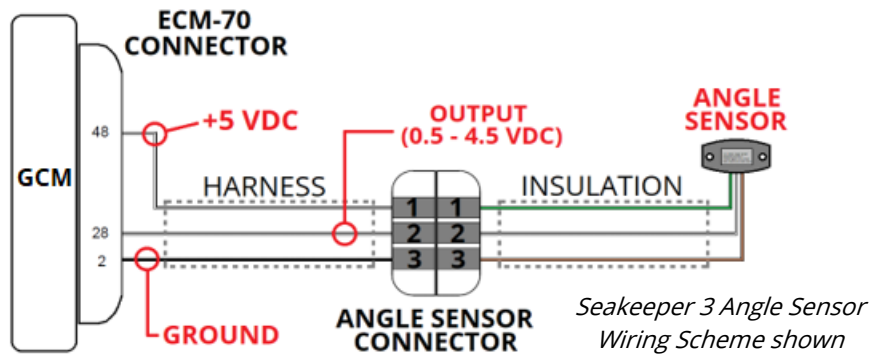


PRODUCT SEAKEEPER 1 THROUGH 6 MODELS

## PURPOSE

Provide information and clarification of the Code 56; Angle Sensor Unresponsive alarm enabled on Seakeeper 1 through 6 models.

## DISCUSSION



If the angle sensor ground wire were to become disconnected from the GCM, the angle sensor would transmit an angle reading of about 39°. This could result in unintended sphere motion at a high rate and or into its end-stops that would go undetected if not for Code 56. The Code 56 software algorithm seeks to identify this scenario by evaluating if the angle reading has failed to change as expected, given the sea state in which the Seakeeper is operating.

Seakeeper has identified operational conditions that may set the Code 56 unintentionally when no actual problem exists. This can be a nuisance to the user. Seakeeper has released a software update to correct this (For Seakeeper 2 and up: GCM software 10.110 or after; for Seakeeper 1: 10.21.00 or after).

Should a dealer respond to a Code 56 service request, verify the continuity of the ground wire from the angle sensor to the ECM-70 connector (See SWI-106/206 for proper pin numbers). If an open line is found in either the wiring harness or the angle sensor leads, the alarm is valid, and the component should be replaced. Otherwise, the alarm was a nuisance alarm and should be reported to the Seakeeper Product Support Team at support@seakeeper.com.

REVISION	DESCRIPTION OF CHANGES	DATE	APPROVED
2	Replace 'ECU' with 'GCM'	08JUL2022	T Messner
3	Include all models affected	08APR2025	A Patricio