

SEAKEEPER CODE 56 DISCUSSION

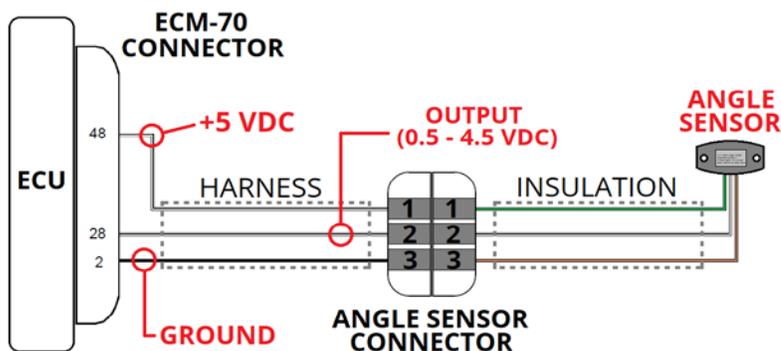


PRODUCT SEAKEEPER 1, 2 and 3 MODELS

PURPOSE

Provide information and clarification of the Code 56; Angle Sensor Unresponsive alarm enabled on Seakeeper 1, 2 and 3 models.

DISCUSSION



Angle Sensor Wiring Scheme for a Seakeeper 3

If the angle sensor ground wire were to become disconnected from the ECU, 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 will release a software update soon and apply this update to Seakeeper units that exhibit this behavior.

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 pin 2 (pin 32 on Seakeeper 2). 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 in the Service Report Form.

REVISION	DESCRIPTION OF CHANGES	DATE	APPROVED
1	Initial Release	07 AUG 2020	K. Zervas