OverWatch Star 6 / 8S Sensor Position

HAULOTTE

Machine: Star 6 / 8S Vertical Mast Series
Document: DO001822
Revision: R1V2 - 03/06/2026

Upgrade Instructions

EQUIPMENT SAFETY SYSTEMS
e: support@eqss.com.au
p: +61 387706555

Author:	Authorised:	Check:
Bhavani	Kieren Grogan	Paul Isaacs

Document Abstract:
Equipment Safety Systems

Product Name:
Model6253 OverWatch Operator Detection System

Reference Documents:
DO001195 – Model6253 OverWatch User Manual

Document Revision:
1.1

Revision Information:
1.1 Initial Document Creation procedures for repositioning the Operator Sensor on a Haulotte Star 6 / 8S vertical mast

Important Information

Information contained in this publication regarding this device's installation and applications, is accurate at the date of publication and may be superseded by updates. Always obtain the latest version from our website and avoid printing. The user agrees to all terms and conditions of use for Equipment Safety Systems products as detailed on our website. This product is subject to our standard warranty as detailed on our website.
Failure to follow these installation instructions may void warranty.

The EQSS OverWatch is designed as an aid to the operator. The device detects the operator's position and movement with respect to the EWP's direction of movement and calculates if a crushing or shearing event is occurring, at which point it will trigger the cut-out of the machine's operation. The device responds to an event where actual contact occurs to the EWP operator. As a secondary guarding system, the device is designed to minimise the occurrence of an event resulting in serious injury or fatality.

The OverWatch is a secondary guarding system only and does not discharge the operator from operating the EWP in accordance with the manufacturer's correct operating procedures. The device does not provide protection against all operational hazards that may be encountered while operating an EWP. It may not work in all situations and environments, it is not intended as a replacement for the safety features installed by the manufacturer of an EWP, and it will not provide adequate protection where an operator has failed to conduct a proper safe work assessment or uses the EWP in an unsafe way. The device should not be relied upon to safely operate the EWP and should not replace the correct operational training and safe work procedures.

Contents

Important Information 2

Read Before Commencing Installation 4

Sensor Mounting 5

Software Update & Config 7

Machine Setup 9

Replacement Parts 10

Support 10

Notes

Read Before Commencing Installation

These instructions relate to EQSS Service Bulletin **DO001842** and the work procedures required to move the operator sensor into its new position.

The original position of the sensor prior to Service Bulletin DO001842

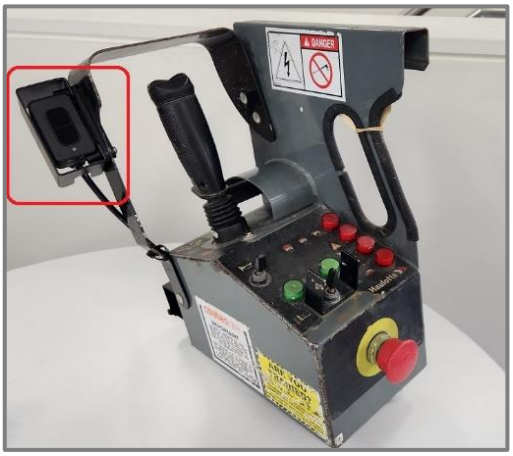
ORIGIONAL POSITION

The new position, the sensor mounts to a vertical bracket attached to the front of the control box After Service Bulletin DO001842

NEW POSITION

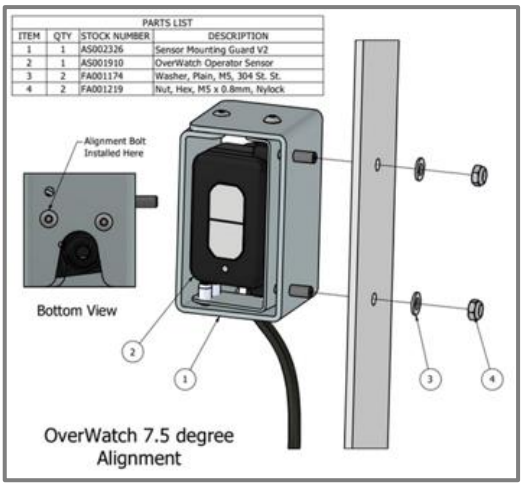
Sensor Mounting

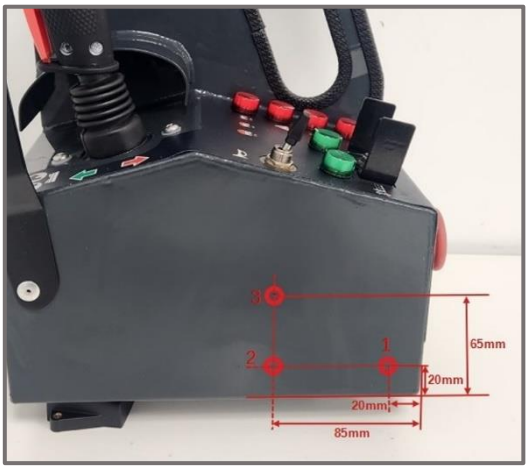
Remove the operator sensor mounted on the joystick shroud as shown in the image.



Attach the operator sensor and guard to the mounting bracket (ME001889) using the M5 nuts and washers. Make sure that the sensor is in the twist position, such that it is twisted outwards from the joystick controller.

To achieve the required twist, loosen the alignment bolts on the sensor guard and rotate the sensor inside the assembly using the adjustment hole in the sensor guard as shown in the image.



Remove the bottom cover of the control box and drill three **5.2 mm** holes in the metal enclosure at the locations shown. While drilling, monitor the electrical wires and move them out of the way as needed to prevent tangling or damage. Limit the drilling depth to a maximum of approximately 10 mm. **Hole1: 20mm** left and **20mm** up from the bottom vertical edge to the centre of the hole **Hole2: 85 mm** left and **20 mm** up from the bottom vertical edge to the centre of the hole. **Hole3**: **85 mm** left and **65 mm** up from the bottom vertical edge to the centre of the hole.	
Mount the operator sensor and sensor mounting bracket (ME001902) to the control box by using the nuts, bolts, and washers.	
Route the operator sensor cable as shown in the image and secure the cable to the sensor mounting bracket by using the P-clips.	

Software Update & Config

After the sensor has been moved a software update is necessary as the ECU requires new settings to account for the change in sensor position. After the software update select either **Haulotte Star 8S Version 2** or **Haulotte Star 8S Version 2** in the model configuration. The software update and model configuration can be done through the new OverWatch app.

Install the OverWatch App

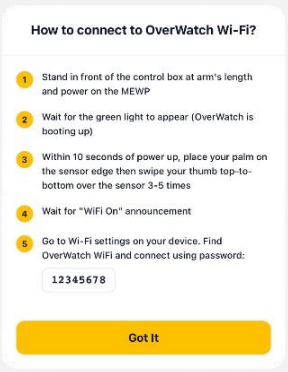
The OverWatch App is available for download on the Apple App Store and the Google Play Store. The App is used to replace the tradition web browser method for software updates, diagnostics and configuration of the EQSS OverWatch Secondary Guarding System. Search for the “EQSS OverWatch” App or download using the QR codes below

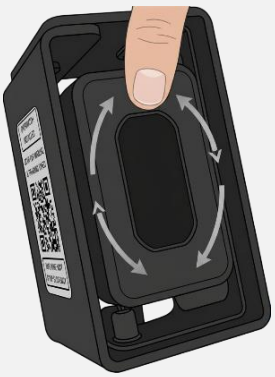
Open the App

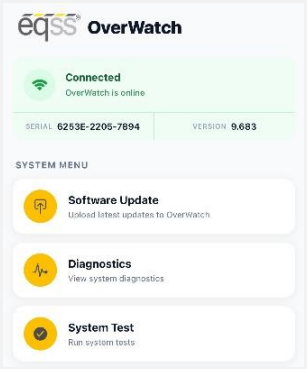
Open the EQSS OverWatch App on your device, when the App starts it will automatically download the latest OverWatch software from the web.

Enable Wi-Fi on the Overwatch

The OverWatch connects to the App via Wi-Fi. Follow the onscreen instructions under **Connect to OverWatch Wi-Fi** in the App

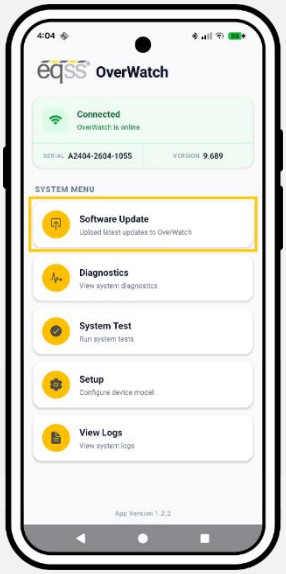






Software Update

When the OverWatch is connected to the App on Wi-Fi a green connected tab will appear showing the OverWatch serial number and current software version. To update the OverWatch software, select the software update tab under the system menu and follow the onscreen prompts. After the software update is done, the **OverWatch must be restarted and reconnected** to the app as the **Machine Setup** and **System Test** must be completed.



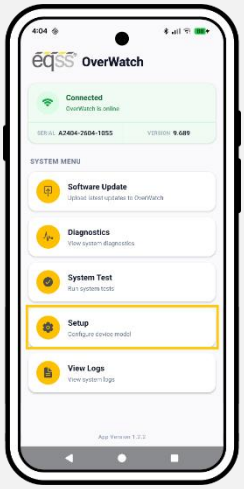
1. Turn the OverWatch on and swipe the sensor to enable Wi-Fi
2. On your device, connect the OverWatch Wi-Fi network
3. In the App select the Software Update Tab
4. Follow the onscreen prompts to complete the update
5. Restart the OverWatch system and reconnect to Wi-Fi
6. In the App select Setup Tab - Select the EWP and run the test

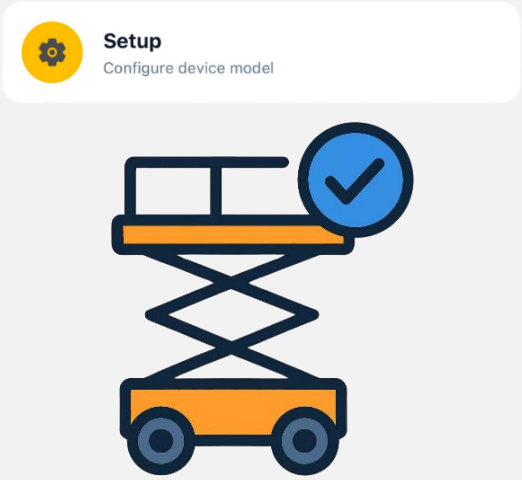
Machine Setup

SET MACHINE MODEL

Haulotte Star 6 Version 2
Or
Haulotte Star 8S Version 2

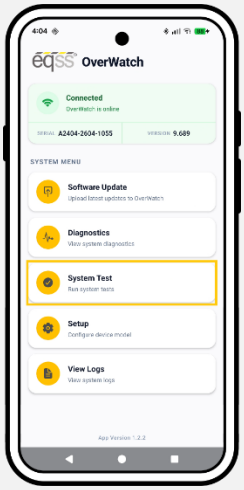
After the software update, the OverWatch must be told what machine model it is installed on. Each machine model has unique settings such as input thresholds from the electronics and parameters relating to the sensor mounting position. When the OverWatch is connected to the App on Wi-Fi, select setup to select the scissor lift model. And follow the on-screen prompts to complete the system test

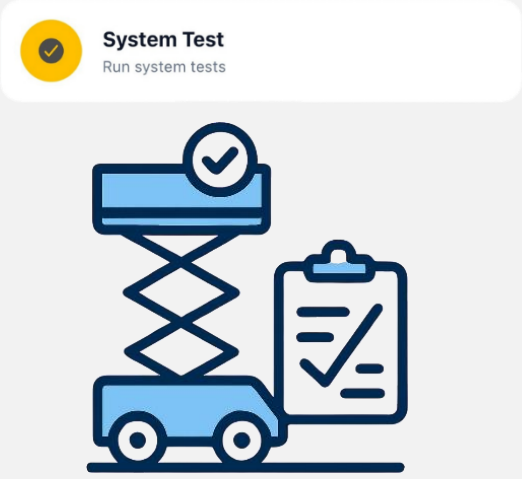




System Test

The system test is used to verify the OverWatch is installed correctly and all signals are working. The system test is used on a new installation or after a software update. The onscreen prompts will guide the test process, and the test must pass for the OverWatch to become operational.





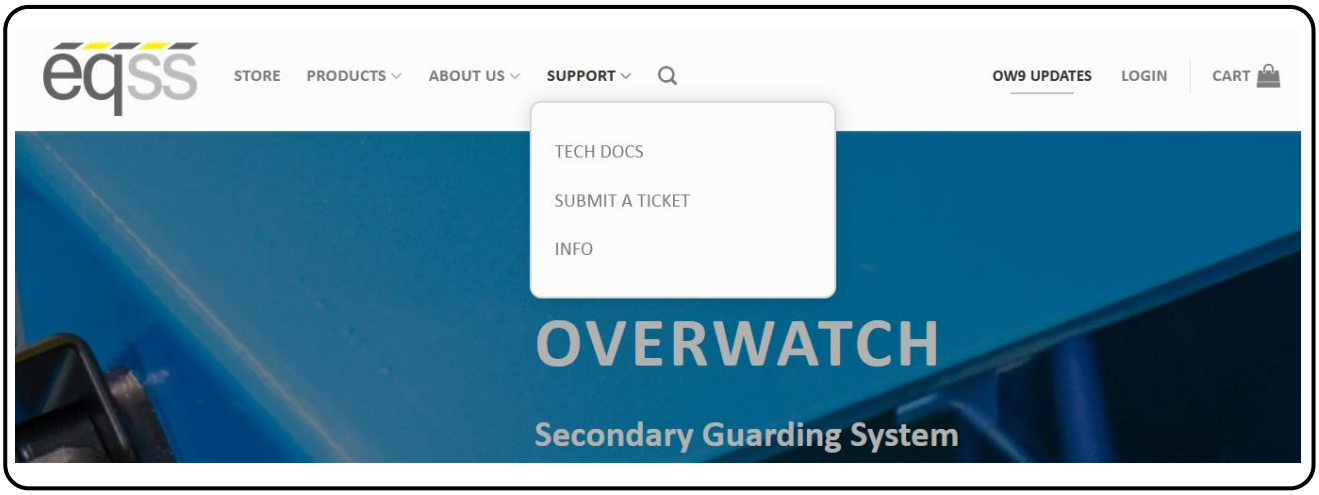
Replacement Parts

Replacement parts for this OverWatch kit are available from the EQSS online store (https://eqss.com.au/store) Shown below are the part numbers for the components included in this model specific kit.

Part Number	Description
AS002538	OverWatch - Complete kit Haulotte 6/8S Vertical Mast
AS001910	OverWatch - Operator Sensor with M20 gland
AS001916	OverWatch - Electronic Control Unit (ECU)
AS002004	OverWatch - Haulotte 6/8S Harness
AS002326	OverWatch - Sensor Guard V2
ME001889	OverWatch - Sensor Bracket
ME001902	OverWatch - Sensor Mounting Bracket

Support

The best place for support is the EQSS knowledge base and Tech Docs on the website, this contains detailed solutions to common questions. You can also submit a support request which will be responded to immediately.



EQUIPMENT SAFETY SYSTEMS
75 Naxos Way, Keysborough
3173 Victoria Australia
+61 3 8770 6555

sales@eqss.com.au
support@eqss.com.au

eqss.com.au