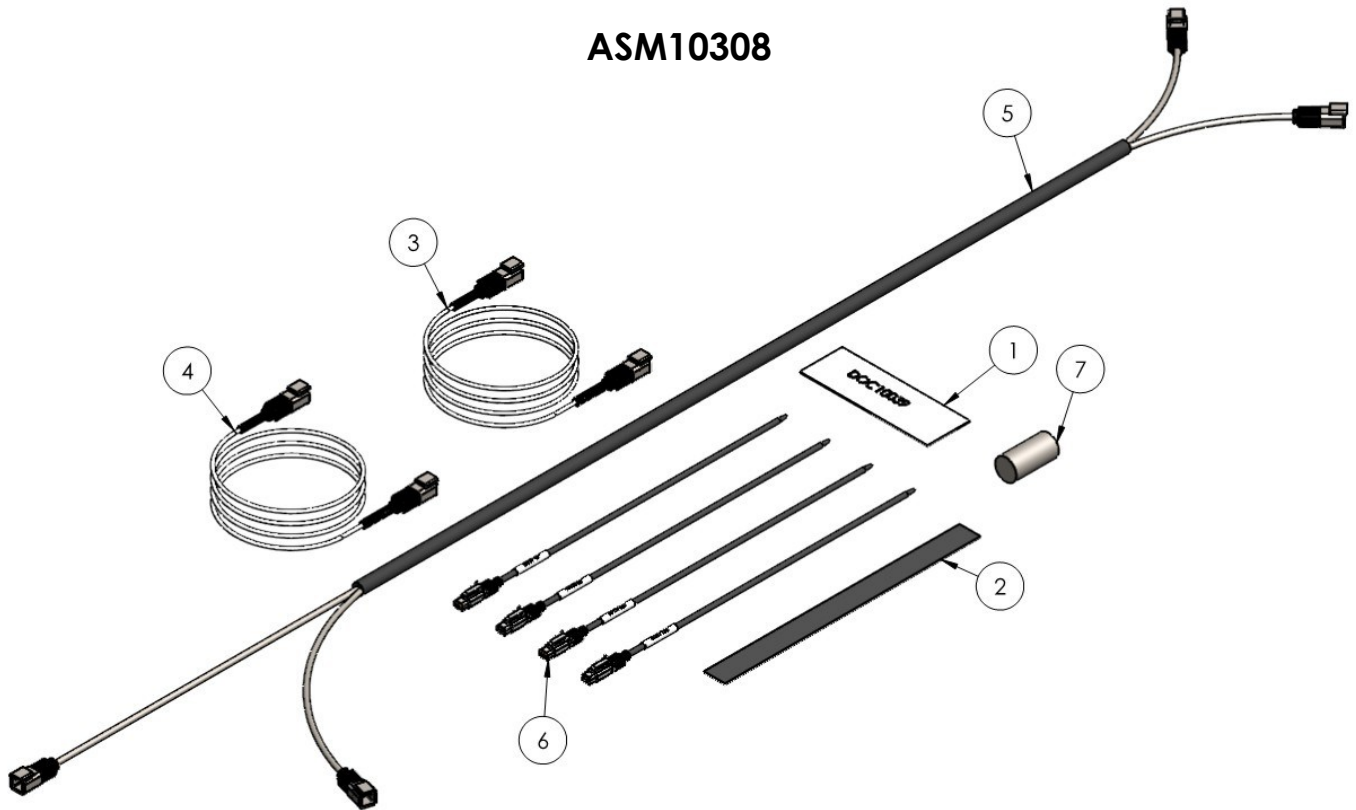




Extended Sentry

DOC10039 REV. B

ASM10308



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	DOC10039	EXTENDED SENTRY INSTALLTION	1
2	PRT10613	ADHESIVE TAPE	1
3	SPL10230	LEFT HAND ACCELERATOR BEARING EXTENSION CABLE	1
4	SPL10231	RIGHT HAND ACCELERATOR BEARING EXTENSION CABLE	1
5	SPL10232	CUTTER HEAD BEARING EXTENSION CABLE	1
6	SPL10238	TEMPERATURE PROBE	4
7	SPL10371	EPOXY PUTTY	1



Extended Sentry Installation

Scherer's Extended Sentry is offered to monitor the bearing temperatures of the accelerator and cutter head bearings. The Extended Sentry extension cables plug into the Sentry 4.0 harness.

Surface Cleanliness

Prior to installing the temperature probe to the bearing housing it is **CRUCIAL** that the housing is cleaned with a degreasing agent to remove all oil, grease, and debris from the surface. Failure to do so will result in the probe falling off. The probe can be attached with either adhesive tape (**Image 1**) or putty (**Image 2**). When using the putty remove enough putty from the container to cover the end of temperature probe. Prior to placing the putty on the probe, follow the manufacture steps on the bottle to properly prepare the putty **Image 2**. Once the putty is around the end of the probe, the probe can be placed on the housing.

Image 1



Image 2





Left Hand Accelerator Bearing

The left hand accelerator bearing is located on driven side of the machine. Follow the grease line that goes to this bearing and install the probe to the housing surface with the provided adhesive tape or putty. **(Image 1). BE SURE TO CLEAN THE SURFACE WITH A DEGREASER BEFORE PLACING THE PROBE.** The probe can be zip tied to the grease line, **(Image 2)**. The extension wire can be routed along the grease line and then behind the chute and connected with the control module.

Image 1



Image 2





Right Hand Accelerator Bearing

The right hand accelerator bearing is the pulley that drives the kernel processor. Follow the grease line that goes to this bearing and install the probe to the housing surface with the provided adhesive tape or putty (**Image 1**). **BE SURE TO CLEAN THE SURFACE WITH A DEGREASER BEFORE PLACING THE PROBE.** The probe can be zip tied to the grease line. The extension wire can be routed along the grease line and directly back and up to the control module located on the right side panel, (**Image 2**).

Image 1



Image 2

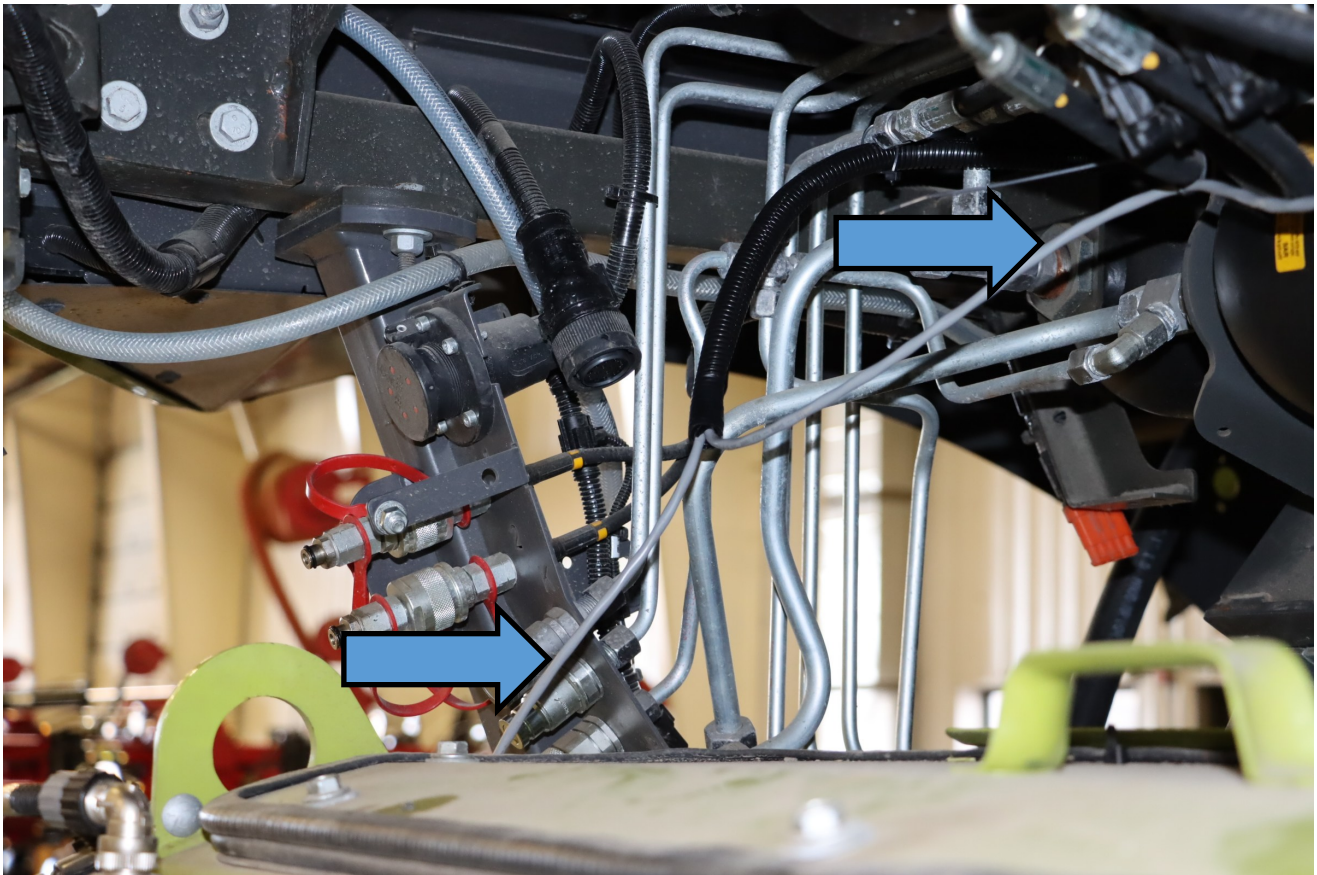




Left Hand Cutter Head Bearing

The left hand cutter bearing is located on drive side of the machine. The cutter head extension wire is loomed together with one end having two 6" extensions and the other end having an 18" & 78" extension. The 18" extension goes to the right hand cutter bearing and the 78" extension goes to the left hand cutter bearing, **(Image 1)**.

Image 1





Left Hand Cutter Head Bearing

Follow the grease line that goes to this bearing and install the probe to the housing surface with the provided adhesive tape or putty **(Image 1)**. **BE SURE TO CLEAN THE SURFACE WITH A DEGREASER BEFORE PLACING THE PROBE.** The probe can be zip tied to the grease line. The extension wire can be routed along the grease line and then up along hydraulic line for the cutter head **(Image 2)**. When routing the cutter head extension cable, be sure to leave some slack in the cable to for when head raises and lowers.

Image 1



Image 2





Left Hand Cutter Head Bearing

The extension wire can be routed above the cutter head along the hydraulic lines (**Image 1**).

Image 1





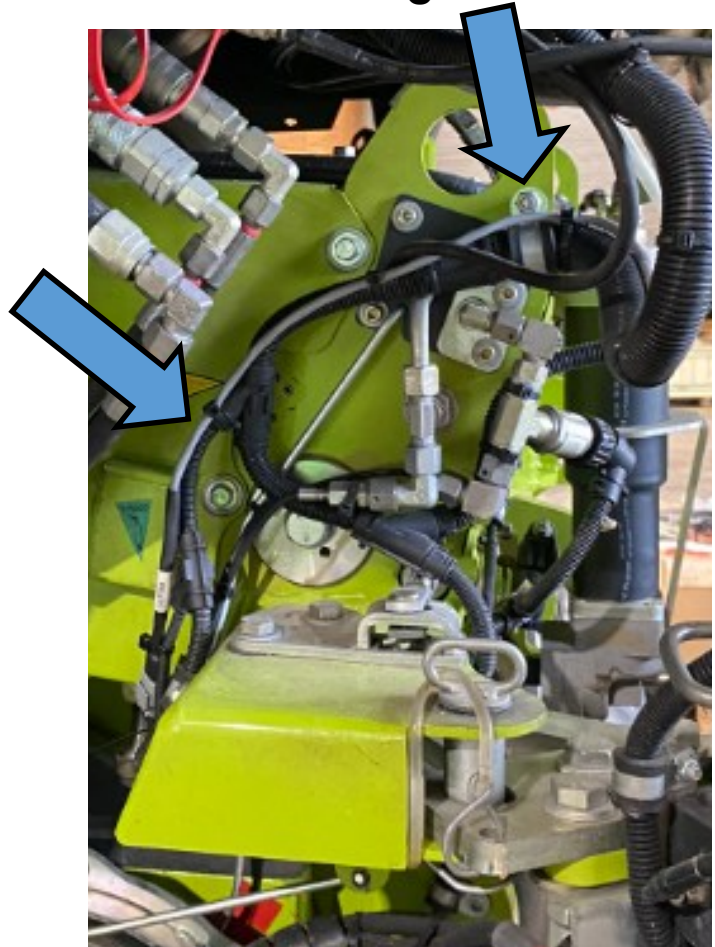
Right Hand Cutter Head Bearing

Follow the grease line that goes to this bearing and install the probe to the housing surface with the provided adhesive tape or putty **(Image 1)**. **BE SURE TO CLEAN THE WITH A DEGREASER SURFACE BEFORE PLACING THE PROBE.** The probe can be zip tied to the grease line. The extension wire can be routed along the grease line and then up along the hydraulic line for the cutter head **(Image 2)**.

Image 1



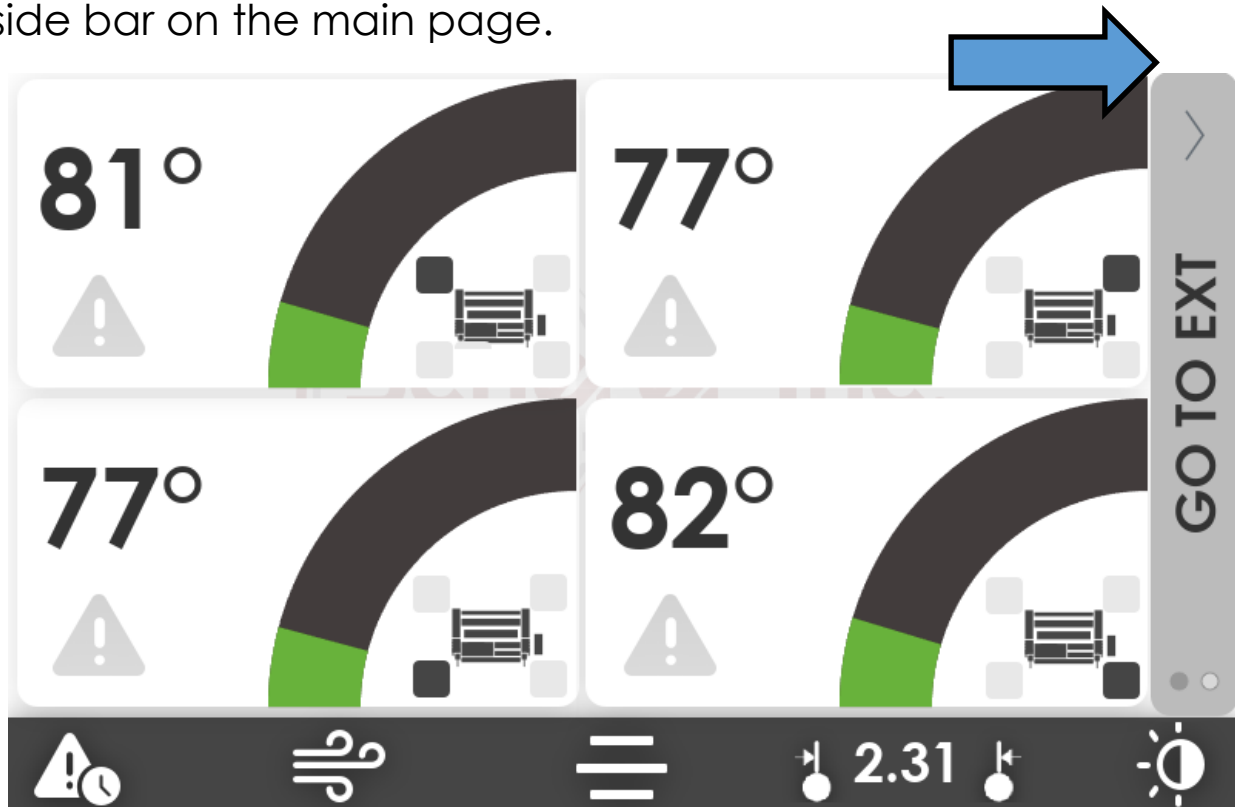
Image 2





Sentry 4.0 Extended Sentry Program Settings

Once the Extended Sentry is installed, an operator can view the cutter head bearings and blower bearing temperatures by selecting the side bar on the main page.





The Extended Sentry offers a user the ability to monitor the temperature of the cutter head and accelerator bearings. The quadrants below represent the following.

Top left - Left cutter head bearing

Top right - Right cutter head bearing

Bottom left - Left accelerator bearing

Bottom right - Right accelerator bearing

On the Extended Sentry alarms page a user has the ability to activate or deactivate the alarm for the extended sentry bearings. The extended sentry alarm set point will come set at 205 °F. The user has the ability to change the alarm set point .

SCHERER INC IS NOT RESPONSIBLE FOR AN ACCELERATOR OR CUTTER HEAD BEARING FAILURE.

