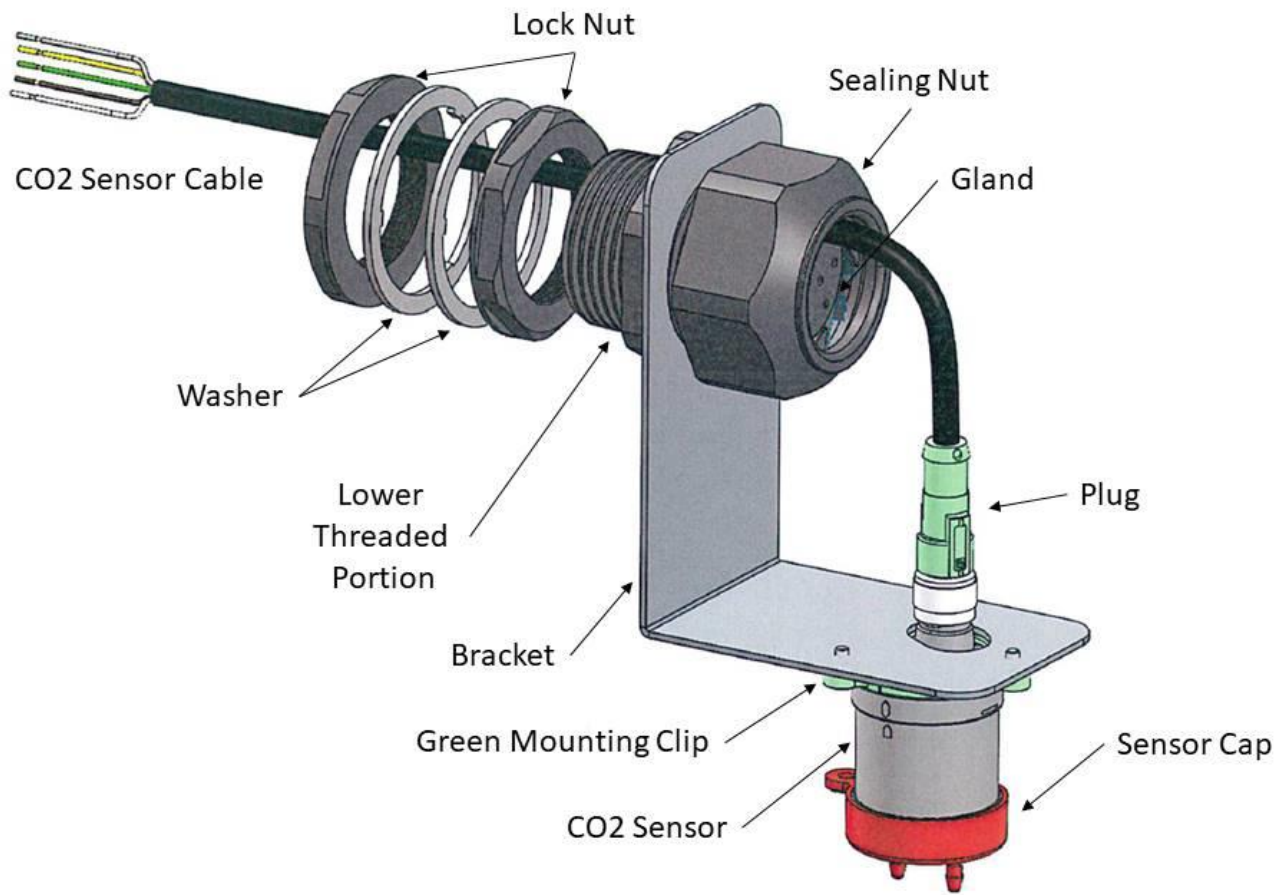


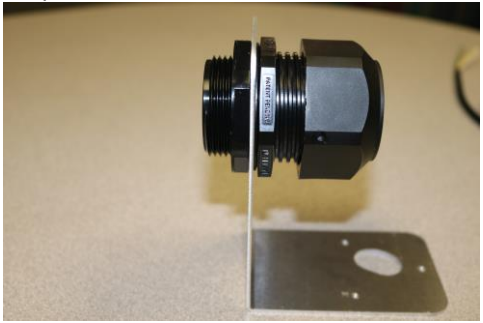
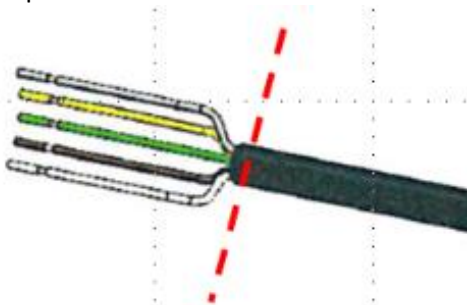



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		Revision No. 0	Approved By: S.Ditner



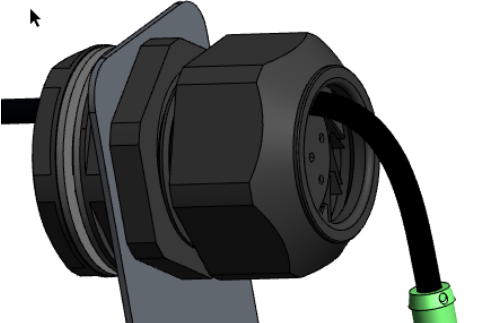



Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
Step 1 	Remove the existing CO ₂ sensor by loosening the nut on the back, as well as the one inside the console, and slide it out of place.	Adjustable wrenches	Safety Glasses Gloves as required



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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>Step 2</p> 	<p>Assemble the CO₂ sensor retrofit.</p> <p>Install a washer on the lower threaded portion of the liquid tight.</p> <p>Place the bracket over the lower threaded portion of the liquid tight. Tighten the first lock nut by hand, and then fully with a wrench.</p>		
<p>Step 3</p> 	<p>Cut the sensor wire square at the end to remove the pre-stripped wires.</p>	Wire cutters	
<p>Step 4</p> 	<p>Pierce the gland with a small screwdriver.</p> <p>Push wire through the gland to pierce the opening at one of the outer locations. When installed, this should be at the top of the liquid tight.</p> <p>Pull the wire through to leave approximately 6" exposed.</p> <p>Note: It is recommended to remove the sealing nut at this stage.</p>	Screwdriver	
<p>Step 5</p> 	<p>If the sealing nut was removed, replace it. Tighten gently.</p>		

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
<p>Step 6</p> 	<p>Remove the green mounting clip from the CO₂ sensor by rotating and attach to the bracket using 3 – P32026 machine screws.</p>	<p>Screwdriver</p>	
<p>Step 7</p> 	<p>Reattach the CO₂ sensor to the mounting clip.</p> <p>Insert the connector into the CO₂ sensor.</p> <p>Gently pull any excess cable back through the gland.</p>		
<p>Step 8</p> 	<p>Tighten the sealing nut fully, by hand first and then with wrenches. The gland should be fully sealed around the cable.</p>	<p>Adjustable wrenches</p>	

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Step (picture)	Step (Instructions)	Step (Tools Required)	Step (Safety & PPE)
Step 9 	<p>Mount the sensor assembly to the console. Place a washer over the lower threaded portion of the liquid tight. Insert the lower threaded portion of the liquid tight through the mounting hole in the console.</p> <p>Note: Ensure the hole is smooth and free of debris.</p> <p>Note: Some consoles may require that the hole in the console be enlarged. Protect the electronics from metal filings when doing so.</p>		
Step 10 	<p>Hand tighten the lock nut as far as possible, and then tighten with a pair of wrenches by another 1/3-1/2 turn.</p> <p>Note: be sure to hold the liquid tight flush against the console back while tightening.</p>	Adjustable wrenches	
Step 11	<p>Silicone around the edges of the liquid tight.</p>	Caulking gun	
Step 12	<p>Complete wiring inside the console.</p> <p>The sensor wire colours will match the locations of the removed wires of the same colours.</p>	Electrical screwdrivers Wire cutters Wire strippers	
Step 13	<p>Once new sensor is fully installed, the new sensor must be calibrated for both ZERO and SPAN.</p>		

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Wiring Instructions

Run From	Run To	Location	Wire to Use
CO ₂ Sensor Cable - Yellow	TB2-11	SMA106 or SMA111 board	On sensor
CO ₂ Sensor Cable - White	TB4-3	Terminal Block 4	On sensor
CO ₂ Sensor Cable - Brown	TB4-6	Terminal Block 4	On sensor
CO ₂ Sensor Cable - Green	N/A		
CO ₂ Sensor Cable - Grey	N/A		

