

S-Lock Coupler Troubleshooting Guide

Factory Fit Pressure Switch System

At any point in this guide if it is possible to remove the attachment then you must do so.

Step 1: Ensure the surrounding area is safe and clear.

Step 2: Check the system and coupler for obvious damage or leakage.

Step 3: Does the OEM coupler switch activate?



Yes – go to Step 4

No – refer to the OEM manual for how to resolve this problem

Step 4: Is there a warning sound when the OEM switch is activated?



Yes – go to Step 5

No – refer to the OEM manual for how to resolve this problem

Step 5: Crowd the bucket cylinder as shown to build up pressure and hold for 8 seconds. Does the coupler unlock?

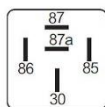
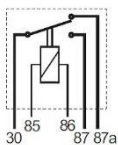
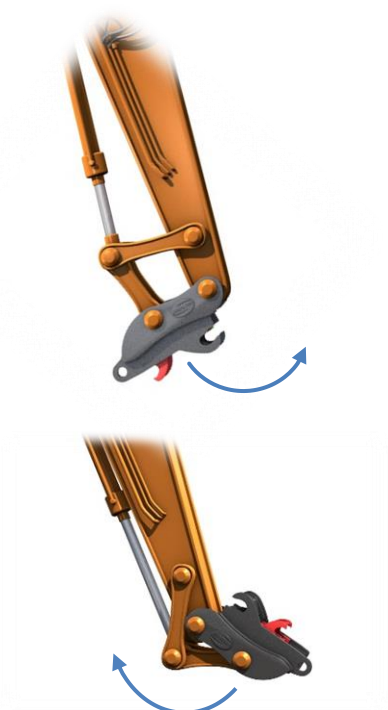
Yes – go to Step 6

No – go to Step 7.a

Step 6: Does the coupler stay in the unlocked position when reverse crowding?

Yes – go to Step 8

No – the relay unit inside the relay box (see below) needs to be replaced, contact Strickland for a replacement and repeat the troubleshooting steps





Step 7.a: Locate the pressure switch on the machine (see left) and remove the plug from the pressure switch.

Step 7.b: Are the brown and yellow wires in the plug connected to pins 1 & 3?

Yes – go to Step 7.c

No – connect the wires to pins 1 & 3 (polarity does not matter) and reattach the plug and go to Step 5

Step 7.c: Disconnect the yellow and brown wires from pins 1 & 3 and connect them together. Now crowd the bucket cylinder to build up pressure in the bucket line and hold for 8 seconds. Does the coupler unlock?

Yes – bleed the pressure switch (see How to Bleed the Pressure Switch) and reconnect the brown and yellow wires to pins 1 & 3 on the pressure switch

No – contact Strickland tech support to order a replacement pressure switch (see How to Bleed the Pressure Switch) noting the type from the label, M2 for excavators up to 8T (180 Bar) or M3 for excavators higher than 8T (280 Bar) and repeat the troubleshooting process.

Note: If after replacing the pressure switch the coupler still does not unlock you will need to contact the OEM of your machine for a hydraulic pressure test.



Step 8: Turn on the master switch and ensure buzzer is working. Put coupler in the locked position with no attachment. Next reverse crowd the coupler with no attachment for 8 seconds. Does the coupler stay locked?

Yes – the system is working correctly

No - the relay unit inside the relay box (see below) needs to be replaced, contact Strickland for a replacement and repeat the troubleshooting steps

