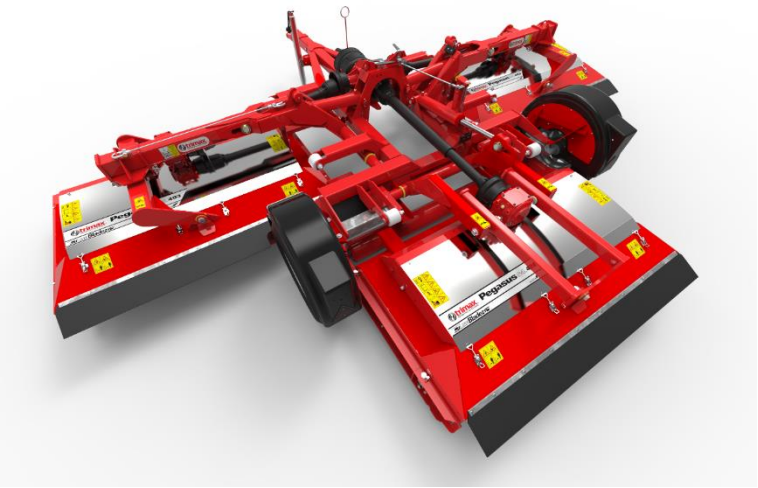
SPARE PARTS INSTRUCTIONS # 30

Date Created: 25/08/2016 | **Product:** Pegasus S3 / Pegasus S4

Title: I.L.S. Control Cable Replacement

SAFETY! Before attempting to make any adjustments or carry out maintenance on the mower, review the hazard identification table (section 3a of your Operator Manual) and take all necessary precautions.



Position the Pegasus on a smooth, hard and level surface.

Ensure the surrounding area is clear of obstructions and personnel.

Lower the Mower Decks down onto the Ground.

Prior to continuing this procedure, isolate the power supply to the Pegasus I.L.S.

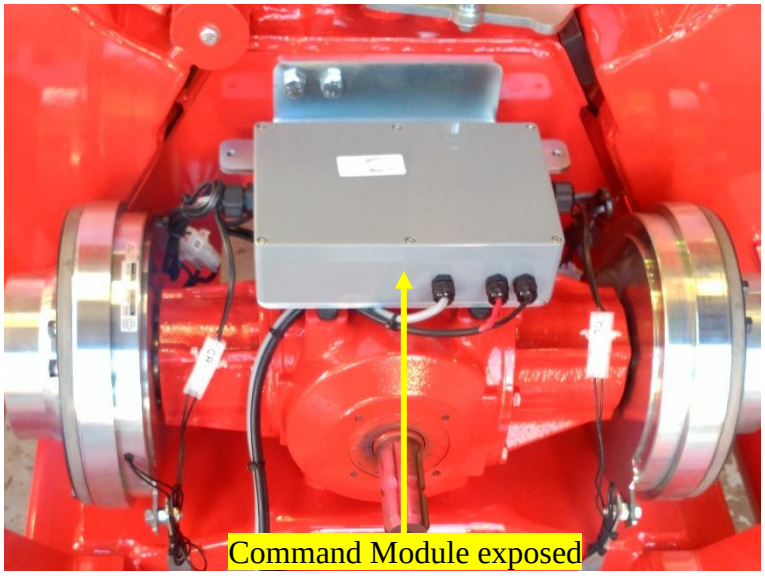
Firstly, switch the Tractor Ignition to the **OFF** position, then disconnect the I.L.S. Power Cable from the Tractor.

DO NOT work on live electrical equipment, as this is dangerous and may cause damage to electrical components and/or injury!

Caution:

Circuitry supplied suits **12-VOLT NEGATIVE EARTH SYSTEMS ONLY!**

Trimax or its agents will not be held liable for any damage or warranty claims occurring as a result of improper wiring!



Remove the I.L.S. Cover from the Pegasus expose the I.L.S. Command Module and allow access.

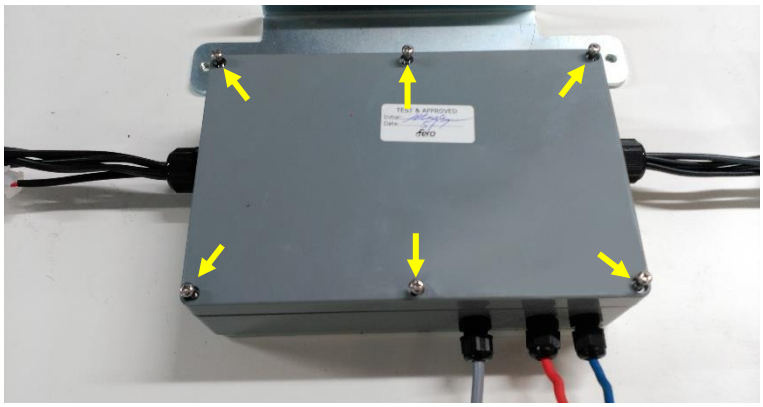
This is located directly above the Pegasus Chassis
4-Way Gearbox.

The process for this varies depending on which model Pegasus you have, please refer to your I.L.S. Operators Manal for instruction.

Note:

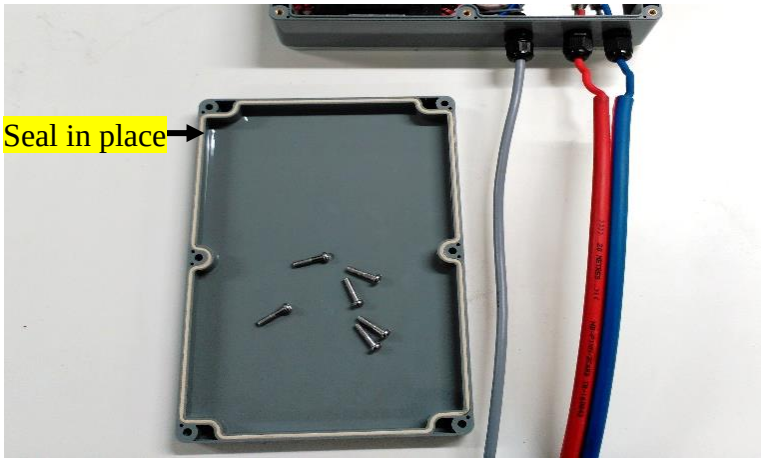
A Pegasus S4 is shown opposite.

Pegasus S4 requires the Main P.T.O Shaft to be removed from the Mower! See your Operators Manual!



Firstly, remove the six small screws from the the Top Cover of the Command Module.

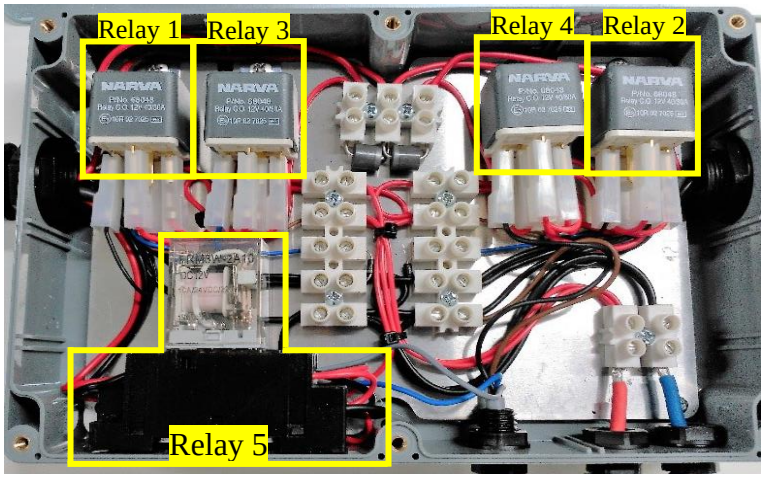
Note:
This process can be achieved while the Command Module is still fitted to the Pegasus, there is no need to remove it!



Lift the Top cover off of the Command Module.

Place the Screws in the Cover so they do not get lost during this process!

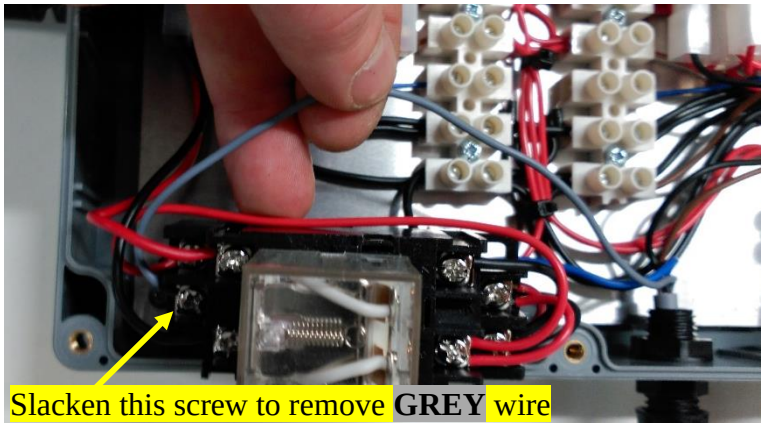
Note:
The seal should stay with the Top Cover. If it does not, refit it back into the recess provided in the Top Cover.



Identify **Relay 5** using the image opposite.

Gently slide **Relay 5** directly upwards until it is free from its mounting tag. This will allow access to the wires underneath this Relay.

Note:
This image can be used to identify the Relay positions throughout this process!

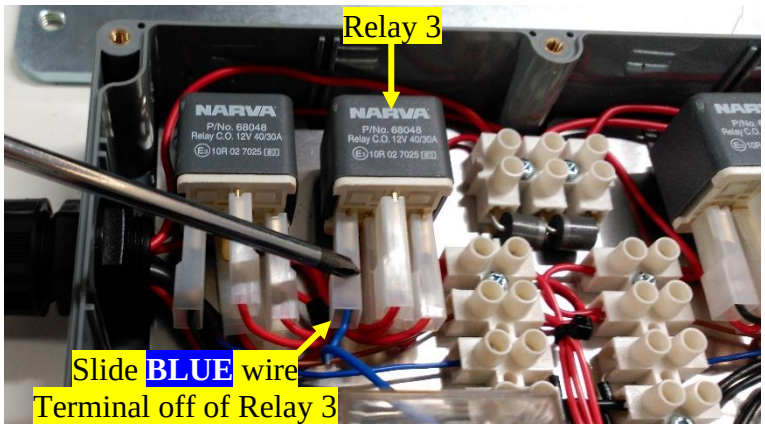


Identify and trace the **GREY** wire running from the I.L.S. Control Cable to **Relay 5**.

Take note of the termination point of this wire, this is labelled on this Relay as **POSITION 7**.

Slacken the retaining Screw to release the **GREY** wire.

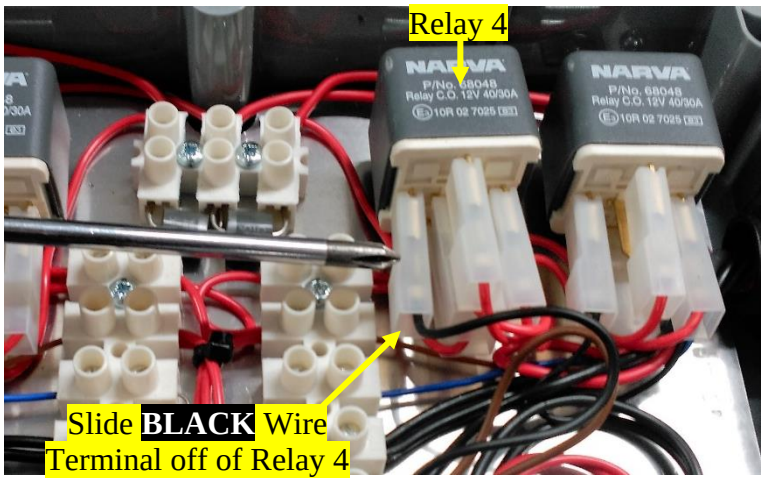
Note:
There is no need to remove the retaining Screw entirely!



Identify and trace the **BLUE** wire running from the I.L.S. Control Cable to **Relay 3**.

Take note of the termination point of this wire, this is labelled on this Relay as **POSITION 85**.

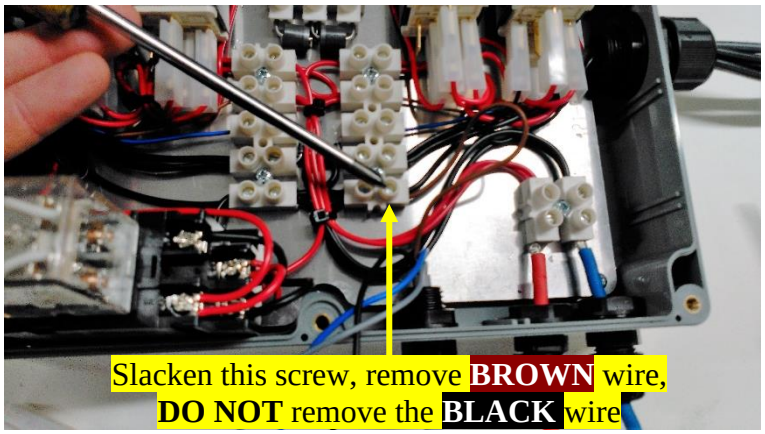
Slide the Spade Terminal off of the Relay to release the **BLUE** wire.



Identify and trace the **BLACK** wire running from the I.L.S. Control Cable to **Relay 4**.

Take note of the termination point of this wire, this is also labelled on this Relay as **POSITION 85**.

Slide the Spade Terminal off of the Relay to release the **BLACK** wire.

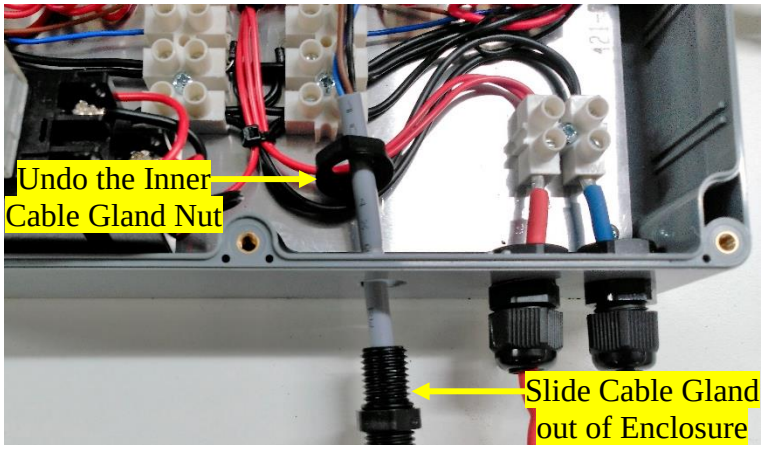


Identify and trace the **BROWN** wire running from the I.L.S. Control Cable to the Screw Connector shown.

Take note of the termination point of this wire.

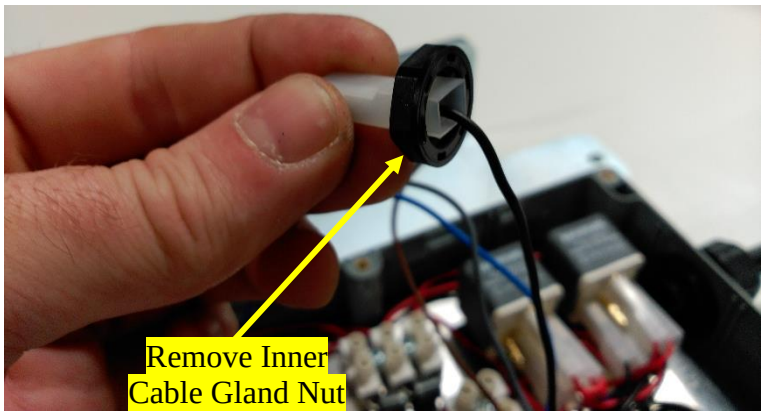
Slacken the retaining Screw to release the **BROWN** wire.

Note:
DO NOT remove the **Black** Wire that shares this same Screw Connector Position!
Nip the Screw back up to ensure this **Black** Wire Stays in place!



At this stage, **ALL FOUR** of the I.L.S. Control Cable Wires should be disconnected from the Command Module.

Undo the **INNER** Cable Gland Nut and slide the Cable Gland clear of the Command Module Enclosure.

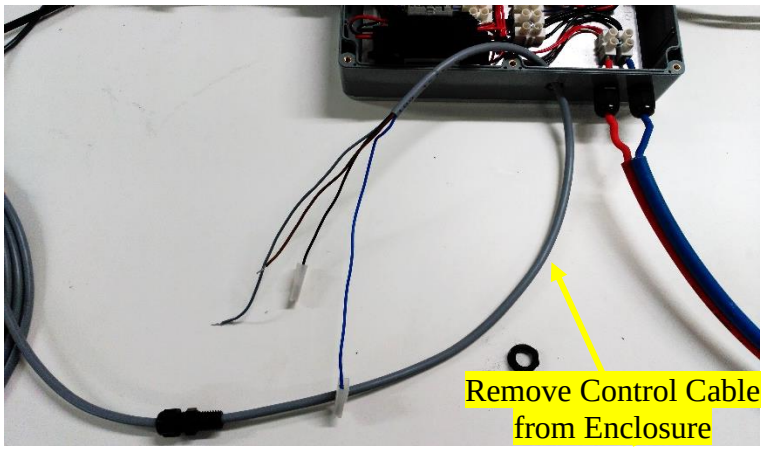


Feed the **GREY** wire and **BROWN** wire through the Inner Cable Gland Nut.

One at a time, feed the **BLUE** wire and the **Black** Wire through the Inner Cable Gland Nut.

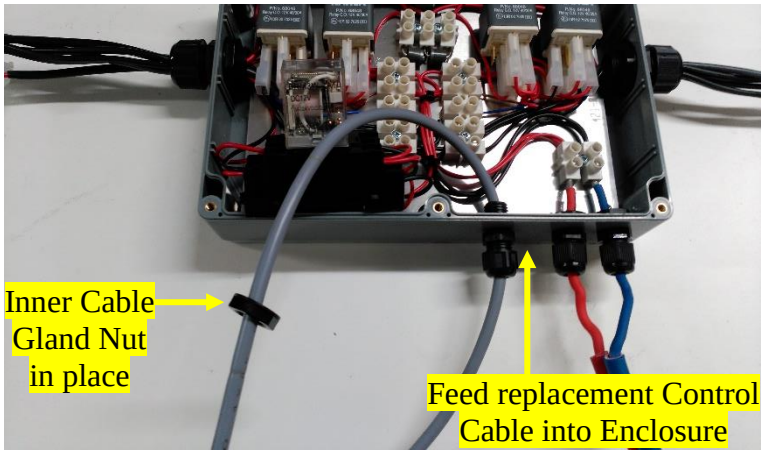
One shown.

Note:
The **BLUE** wire and the **Black** wire are a tight fit through the Inner Cable Gland Nut due to the Spade Terminals, however they do fit!



Remove the I.L.S. Control Cable from the Command Module Enclosure.

Discard to I.L.S. Control Cable.

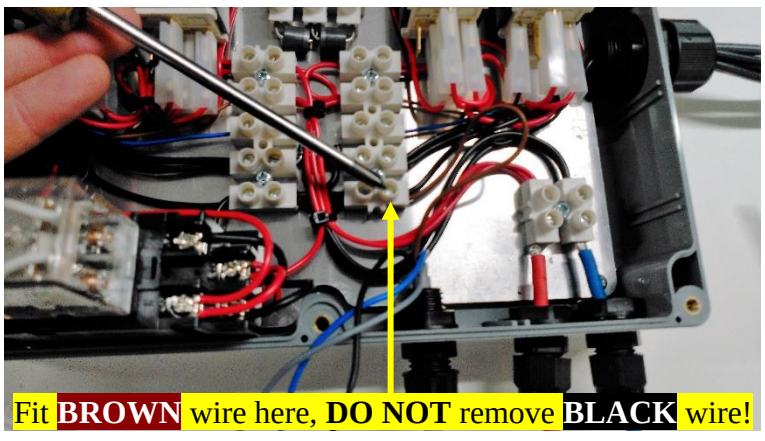


Collect your replacement I.L.S. Control Cable.

Remove the supplied Inner Gland Nut using the same method as before.

Feed the free end of the Control Cable through the **FRONT** of the Command Module Enclosure.

Refit the Inner Cable Gland Nut to the free end of the Control Cable, leave this loose at this stage as the Cable Gland will be secured once the four wires have been connected.

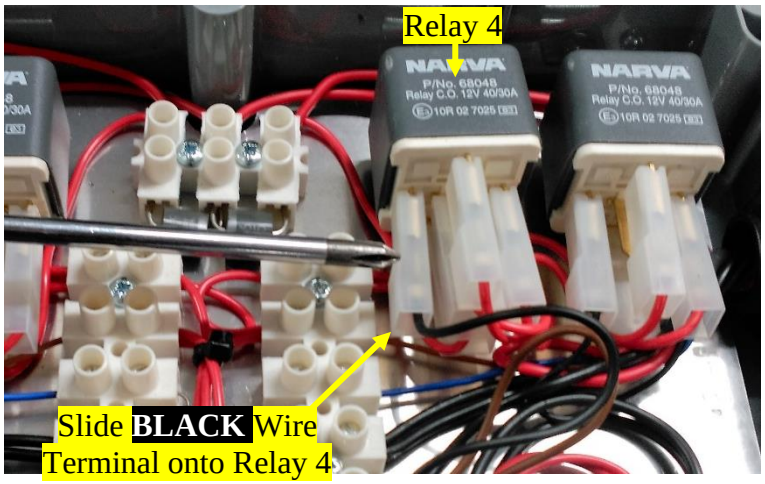


Feed the **BROWN** wire running from the I.L.S. Control Cable into the Screw Connector shown.

Tighten the retaining Screw to secure the **BROWN** wire.

Give the two wires a gentle pull to ensure that they are secured correctly!

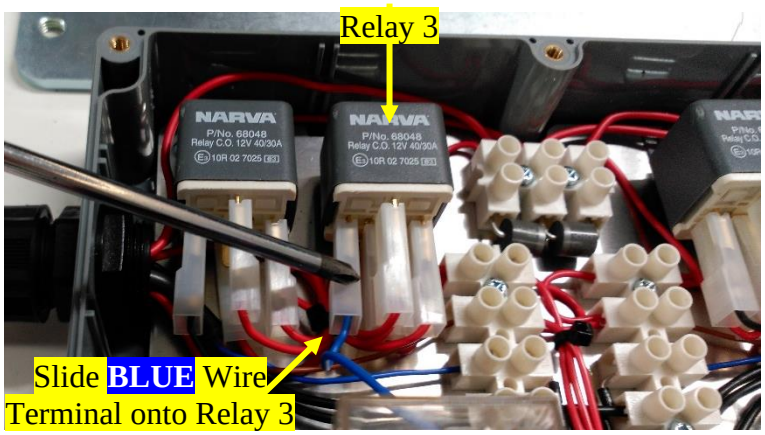
Note:
DO NOT remove the **Black** wire that shares this same Screw Connector Position, ensure that this wire is still secure after tightening the Screw!



Feed the **BLACK** wire running from the I.L.S. Control Cable to **Relay 4**.

This is labelled on **Relay 4** as **POSITION 85**.

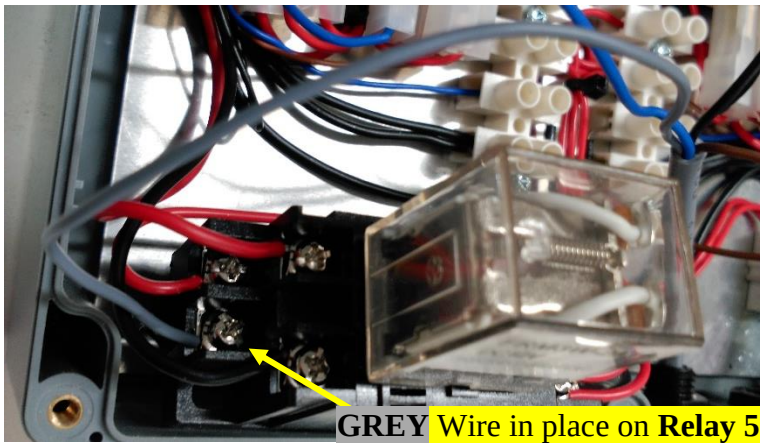
Slide the Spade Terminal onto the Relay Pin to secure the **BLACK** wire.



Feed the **BLUE** wire running from the I.L.S. Control Cable to **Relay 3**.

This is labelled on **Relay 3** as **POSITION 85**.

Slide the Spade Terminal onto the Relay Pin to secure the **BLUE** wire.

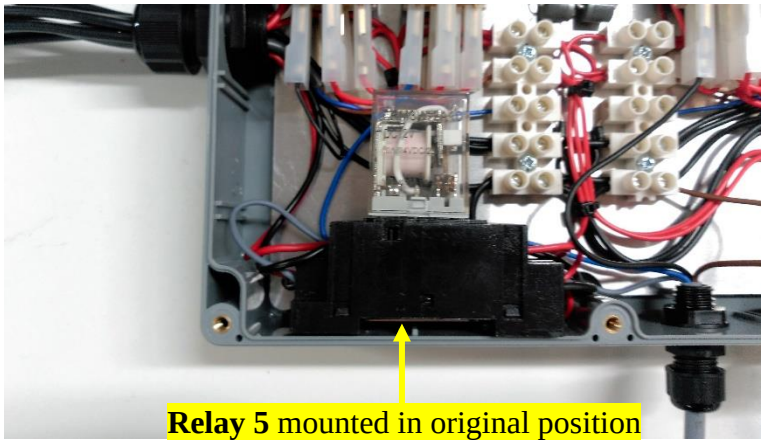


Feed the **GREY** wire running from the I.L.S. Control Cable to **Relay 5**.

This is labelled on **Relay** 5 as **POSITION 7**.

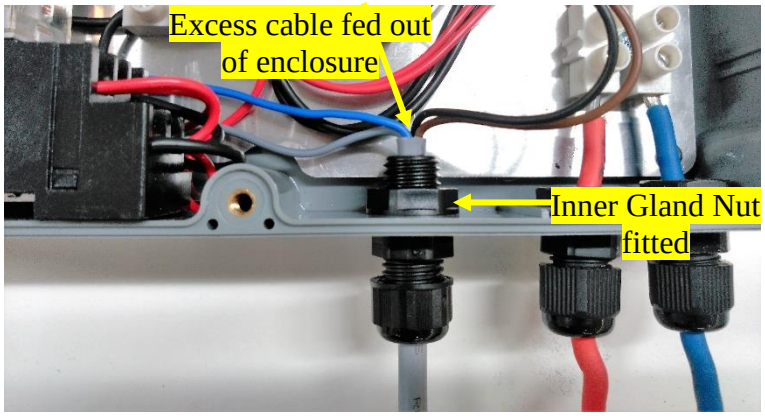
Tighten the retaining Screw to secure the **GREY** wire.

Give this wire a gentle pull to ensure that it is secured correctly!



Slide **Relay 5** back onto its mounting tag as shown.

Note:
Take care to ensure that no wires are pinched when remounting this Relay!



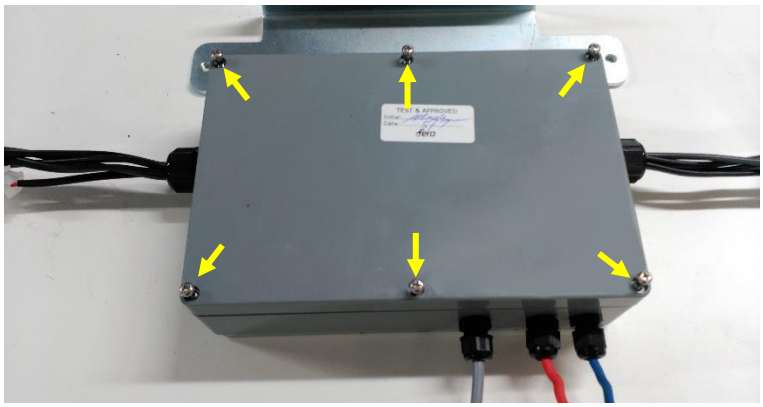
Secure the Cable Gland Nut.

Tighten the **INNER** Cable Gland Nut to secure the Cable Gland to the Command Module Enclosure.

Loosen the Outer Cable Gland Nut.

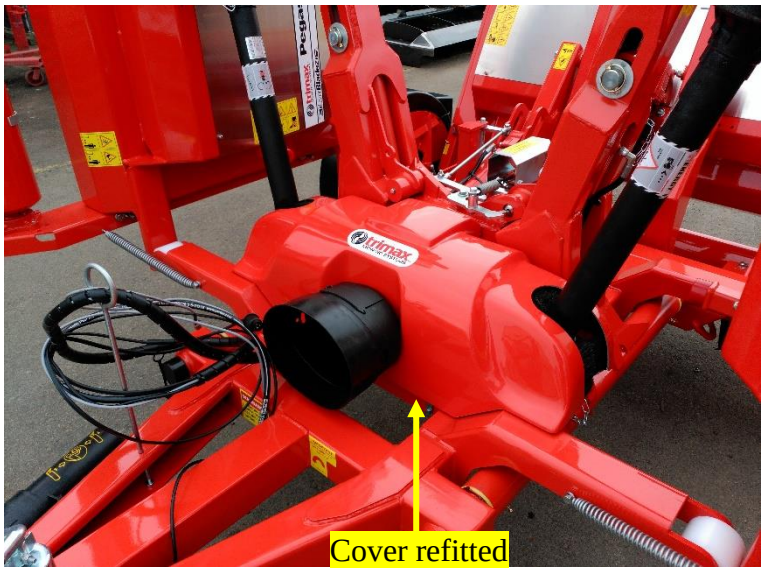
Feed any excess I.L.S. Control Cable back out through the Cable Gland to the position shown.

Retighten the **OUTER** Cable Gland Nut.



Refit the Cover to the top of the Command Module enclosure.

Reinsert the six Screws and tighten them gradually and evenly until the Cover is secured.



Refit the I.L.S. Cover to the Pegasus.

The process for this varies depending on which model Pegasus you have, please refer to your I.L.S. Operators Manal for instruction.

Reconnect the power supply to the Pegasus I.L.S.

Raise the Decks into the Transport position.

Ensure that the Decks are securely locked in place.

Note:
A Pegasus S4 is shown in the image opposite. Pegasus S4 requires the Main P.T.O Shaft to be refitted to the Mower! See your Operators Manual!

This process is now complete.

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