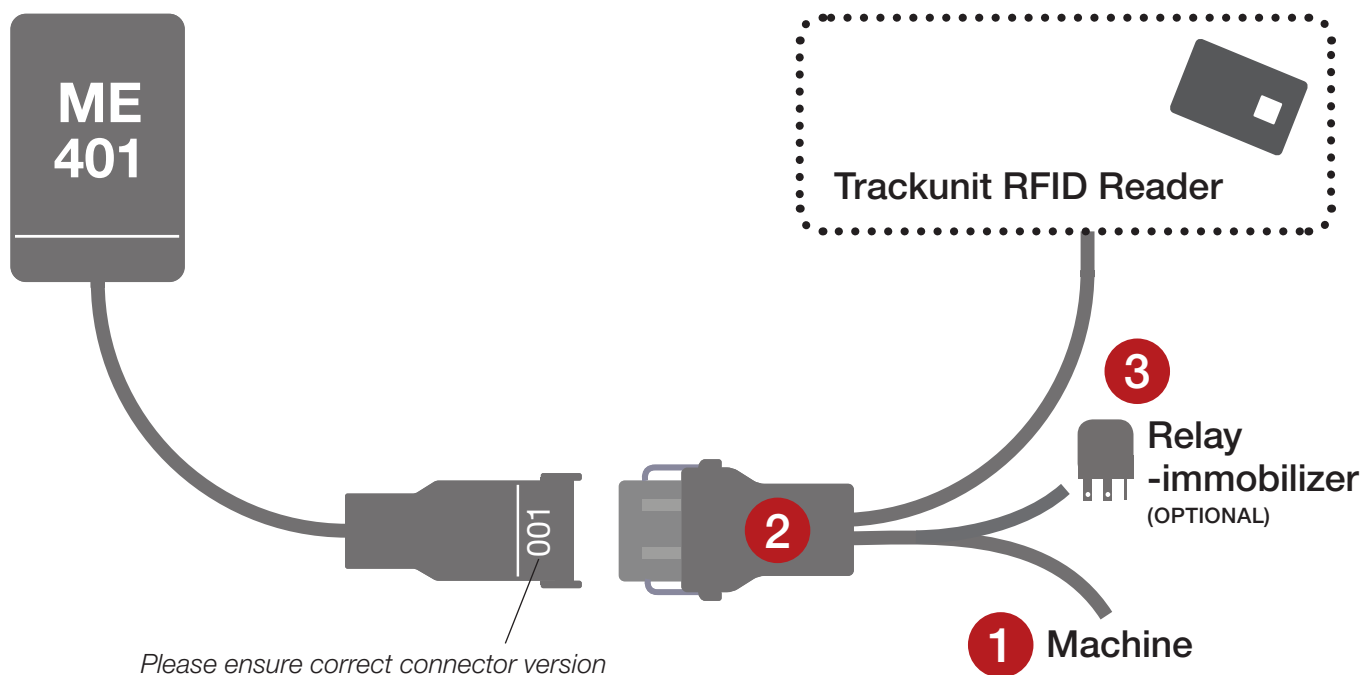


# Installation guide for Trackunit RFID Package



## 1 Power cable connections: General I/O

To ensure proper data collection in ME401, it is important that the general I/O signals are mounted.

	I/O cable	Machine	Function
<b>Power</b>	Red	Power	12V/24V
<b>Ground</b>	Blue	Ground	Ground
<b>Input 1</b>	White	Engine signal	Operational hrs
<b>Input 2</b>	Brown	Ignition signal	Ignition status
<b>Input 3</b>	Grey		RFID Reader
<b>Input 4</b>	Pink	General purpose	
<b>Output 1</b>	Yellow		Immobilizer relay control

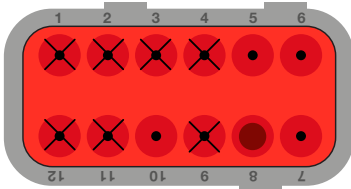
An external fuse must be mounted between the battery power supply and the ME401 – as close as possible to the battery. Fuse-kit is enclosed.

When using RFID Reader input 3 is reserved for RFID communication and cannot be used for general purpose input.

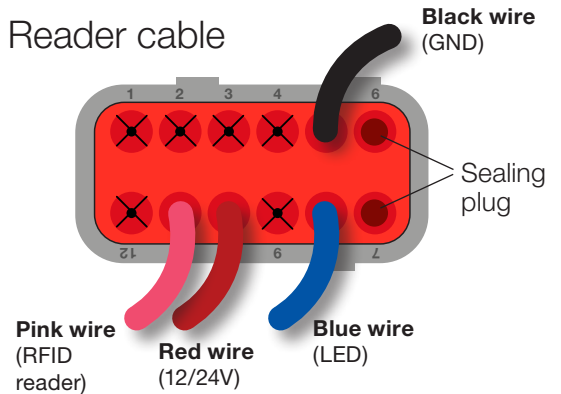
## 2 Connecting the RFID Reader

Premounted wires = X

Sealing plug = ●

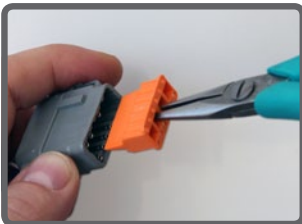


RFID Reader cable

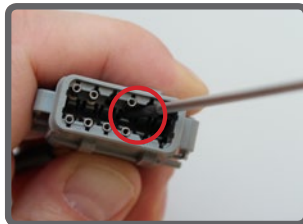


### Connector removal

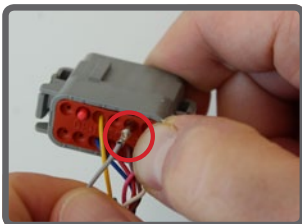
First remove the grey wire from power cable



**Step 1:** Remove orange wedge by pulling it straight out using appropriate tool.



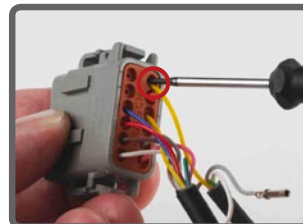
**Step 2:** Remove contact (pin 11) with a gentle pull while at the same time releasing the locking finger with a screwdriver.



**Step 3:** Hold the seal in place with your finger, while pulling out the contact.

### Connector assembly

Attach relevant wires



**Step 1:** Use appropriate tool to push contact straight into the connector grommet until a CLICK is felt.



**Step 2:** Put the connector into back shell. Insert strips for fixing the wires inside the connector. Cut off unnecessary strip.



**Step 3:** Close the connector back shell properly until a CLICK is heard. Avoid squeezing wires.



**Step 4:** Once all necessary contacts are in place, insert orange wedge until it snaps into place.

## 3 Relay (Immobilizer)

In systems where an immobilizer is connected to a ME401 – OUT1 must be connected to the enclosed relay. Please check that the relay has the correct voltage specification (12V or 24V). Refer to illustration.

### Installation check

Please note that when the relay is connected, you will not be able to start the engine unless a Key Card is presented to the reader. This will allow you to start the engine whenever ignition signal is present until activation of keys are done in the Trackunit Manager.

Relay	Function	Signal
86	Relay Coil +	12/24V permanent power
85	Relay Coil -	Yellow wire from ME401 (OUT1)
87	Starter Control Signal	
30	Signal to starter motor	

Relay connections:

