

6. Wander lead extension cable to be connected to this header prior to routing the cable through the vehicle to the desired wander lead location.

Please Note: Care must be taken to ensure the cable is secured before finally replacing the cover.

7. The DIN socket on the control lead assembly should be secured to the vehicle using M3 self-tapping screws.
8. Replace the cover ensuring all cables are clear of edges and not trapped. Secure in place with retaining screws provided.
9. Under normal circumstances this product must not be used without the cover fitted.



- ← **A** Check that the belt can be powered out by depressing button 'B'
- ← **B** Check that belt can be powered in by depressing button 'A'

Please Note: Any attempt to dismantle or modify the assembly will automatically void the warranty.

Version 1.2 May 2015



Winch Assist 3.5m (VR800542)

Winch Assist 5.0m (VR800543)



Installation Manual

Vapor Ricon Europe Limited, Falcon Works, Meadow Lane,
Loughborough, Leicestershire, LE11 1HS

Tel: 01509 635920, Fax: 01509 261939

Installation

Please Note: INSTALLATION SHOULD BE CARRIED OUT BY A COMPETENT PERSON

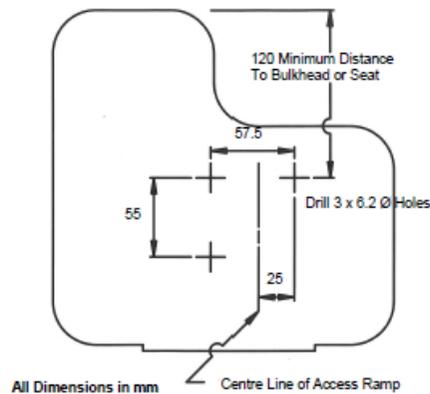
1. Unscrew the cover-retaining screws and remove cover to access the 3 fixing points.

Please Note: Whilst the cover is removed take care not to damage the ECU board and keep away from liquids and potential impacts.



Connect 12 VDC Power Supply to the terminals indicated ensure the - / + polarity markings on the PCB are maintained.

Mounting Details

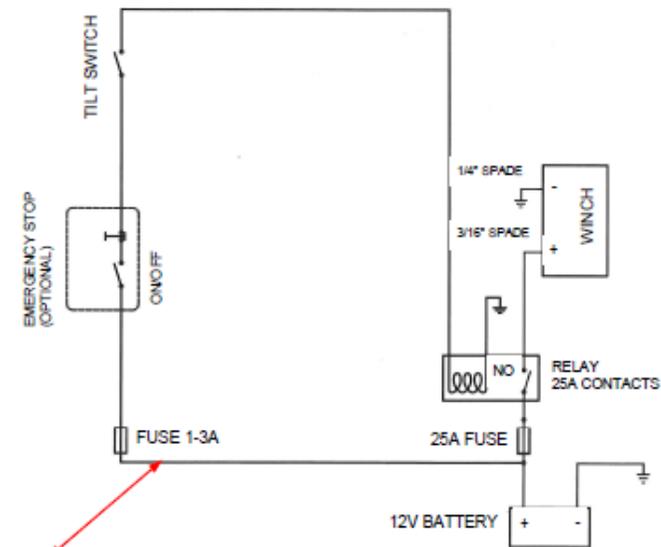


Please Note: Ensure that the Winch Assist is mounted to a flat floor to avoid distorting the frame. Use additional fixing plate or anchor plate where required.

2. When drilling the floor of vehicle, ensure no vital cables, hydraulics or other pipes are in the way of the drill. Check inside and under the vehicle before drilling.
3. Fix the Winch Assist in position using 3 x M6 Bolts (not supplied), Lock washers and Nuts. Torque to 10.4Nm
4. This device requires connection to a permanent 12V dc 25 Amp power supply with inline fuse protection.
5. Electrical connections should be made to the board as shown using 6.4mm negative side and 4.8mm positive side female spade terminals. Ensure power supply polarity is correct.

Please Note: FAILURE TO OBSERVE CORRECT POLARITY WILL RESULT IN DAMAGE TO THE CONTROL CIRCUIT.

Suggested Circuit Diagram



This is the low current wire that passes around the vehicle body. The tilt switch is not necessary but it cuts power to the relay when the rear door is closed, thus disabling the system. This should be the +VE supply so if the wire shorts to the chassis, it will simply blow the 1-3A fuse and disable the system.

Product Details

Product Model (enter entire number from nameplate).....

Product Serial Number (see nameplate).....

Date Installed.....Date In-Service (if known).....

OEM/Installer of Winch.....

Vehicle Registration.....

Product Owner

Name.....

Street / Address.....

City / CountyPost Code.....

Telephone.....

Email Address.....

Registration form completed by (Tick One)

OEM/Installer Dealer Owner/End-User

I acknowledge that I received, read, and will follow the instructions in the Owner's Manual for this product

Signed.....Date.....

**THIS FORM MUST BE COMPLETED WITHIN THIRTY (30) DAYS AFTER DELIVERY
TO THE OWNER/END USER FOR WARRANTY TO BE VALID**

Winch Assist 3.5m (VR800542)

Winch Assist 5.0m (VR800543)



User Manual – Please Keep!

**Vapor Ricon Europe Limited, Falcon Works, Meadow Lane,
Loughborough, Leicestershire, LE11 1HS**

Tel: 01509 635920, Fax: 01509 261939

Introduction

Thank you for purchasing a Vapor Ricon Product. We hope you have many trouble free years of service with our product.

This product is intended to assist a carer with the safe loading and unloading of wheelchair bound passengers into suitably modified vehicles. Operation should be carried out by a competent individual.

Safety Features

- Overload protection with audible indication
- Dead-man's handle control automatically stops if button is released

The Winch Assist should at no time be used to replace a passenger restraint system.



- ← **A** Check that the belt can be powered out by depressing button 'B'
- ← **B** Check that belt can be powered in by depressing button 'A'

Operation after Installation – Deploying the Winch

1. Attach the winch harness (karabiners) to the wheelchair before connecting it to the MCF buckle of the Winch Assist
2. Ensure that all straps and fastenings are secure and free from clothing before operating the device.
3. For powered descent of the wheelchair from the vehicle depress button 'B' this will power the belt out for a controlled exit

Postage
must be
paid. Affix
stamp here

PRODUCT SUPPORT DEPARTMENT

VAPOR RICON EUROPE LIMITED

FALCON WORKS

MEADOW LANE

LOUGHBOROUGH

LE11 1HS, UK



- 1 Karabiner only
- 2 Remote Control Bracket Only
- 3 Remote Control and Curly Lead
- 4 Remote Control Lead Extension – not shown (4 meters long)

Item	Parts Code	Quantity	Item Description
1	VR800482	2	Karabiners
2		1	Remote Control Bracket Only
3		1	Remote Control and Curly Lead
4	VR800537	1	Remote Control Lead Extension – not shown (4 meters long)

User Notes

Please Note: Care must be taken to steady the wheelchair whilst traversing backwards.

4. To power the belt in press button 'A' ensuring the wheelchair is centrally located on the ramp.

Please Note: The Winch Assist will stop if the button is released. The belt has a built in stop which will trigger the current cut out if attempting to winch too far in. Intervention may be required to assist the wheelchair over the lip of the ramp.

5. The winch assist as fitted to Short Wheel Base vehicles has a typical useable length of 3.3M and to Long Wheel Base vehicles 4.8M.
6. Care should be taken to ensure that the belt is not reeled out beyond this distance as it will start to reel back in, reversing the function of the control buttons.

Precautions in Use

1. If the wheelchair is overloaded the Winch Assist will emit an audible warning and the device will stop.
2. Reduce the load to recommence normal operation. The device is fitted with a current limit cut out which will automatically reset.
3. Ensure the belt is free from obstacles in the vehicle and is not able to be trapped in any way when in use.
4. Ensure the wheelchair has a free path to be pulled along.
5. Ensure the occupant is correctly seated with legs and arms inside the wheelchair, make sure legs and clothing will not be trapped by the harness.
6. Periodically check the belt and controller for damage.
7. For comfort when loaded the harness may be detached from the Winch Assist.
8. The Winch Assist should at no time be used to replace a passenger restraint system.

Warranty

- Your winch assist carriers a 2 year parts and labour warranty, based upon normal usage.
- The warranty commences from the installation date
- The “warranty return” card (on the back of this booklet) must be returned to us no later than 30 days from installation in order to activate your warranty.
- The winch assist must be installed by a competent person/installer and to the instructions provided
- Failure to comply with the above shall result in your warranty being deemed void.

Warranty Registration

Ricon Corporation (Ricon) warrants to original purchaser of this product that Vapor Ricon Europe will repair or replace, at its option, any part that fails due to defective material or workmanship commencing from installation date, as follows:

Repair or replace parts for a period of two years from date of purchase. A complete list of parts covered by this warranty can be obtained from Vapor Ricon Europe.

Labour costs for specified parts replace under this warranty for a period of two years from date of purchase. A Vapor Ricon Europe rate schedule determines the parts covered and labour allowed.

If You Need to Return a Product:

Return this product to Vapor Ricon Europe following the Vapor Ricon Europe warranty procedure. Please give as much advance notice as possible, and allow a reasonable amount of time for repairs.

This Warranty does not cover:

- Malfunction or damage to product parts caused by accident, misuse, neglect, improper adjustment, modification, alteration, the mechanical condition of vehicle, road hazards, overloading, failure to follow operating instructions, or acts of Nature (i.e., weather, lightning, flood).

WARNING

THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO EXACT SPECIFICATIONS. MODIFICATION OF THIS PRODUCT IN ANY RESPECT CAN BE DANGEROUS.

This Warranty is Void if:

- The product has been installed or maintained by someone other than a competent person/installer and to the instructions provided or an authorised dealer or qualified service technician.

The product has been modified or altered in any respect from its original design without written authorization by Vapor Ricon Europe. There are no user serviceable parts on this device. Any attempt to dismantle it will render any warranty void.

Vapor Ricon Europe Limited disclaims liability for any personal injury or property damage that results from operation of a Vapor Ricon Europe product that has been modified from the original Ricon design. No person or company is authorized to change the design of this Vapor Ricon Europe product without written authorization by Ricon or Vapor Ricon Europe.

Vapor Ricon Europe’s obligation under this warranty is exclusively limited to the repair or exchange of parts that fail within the applicable warranty period. Ricon assumes no responsibility for expenses or damages, including incidental or consequential damages.

Important: The warranty registration card must be completed and returned to Vapor Ricon Europe within 30 days after installation of this Ricon product for the warranty to be valid. The warranty is not transferable. Your statutory rights are not affected by this warranty