COONEY DECKSKRAN & GANGWAY MANUAL

Sehr geehrte Kundin, sehr geehrter Kunde,

auf den nachfolgenden Seiten finden Sie das generelle Cooney Manual für Deckskräne und hydraulische Gangways.

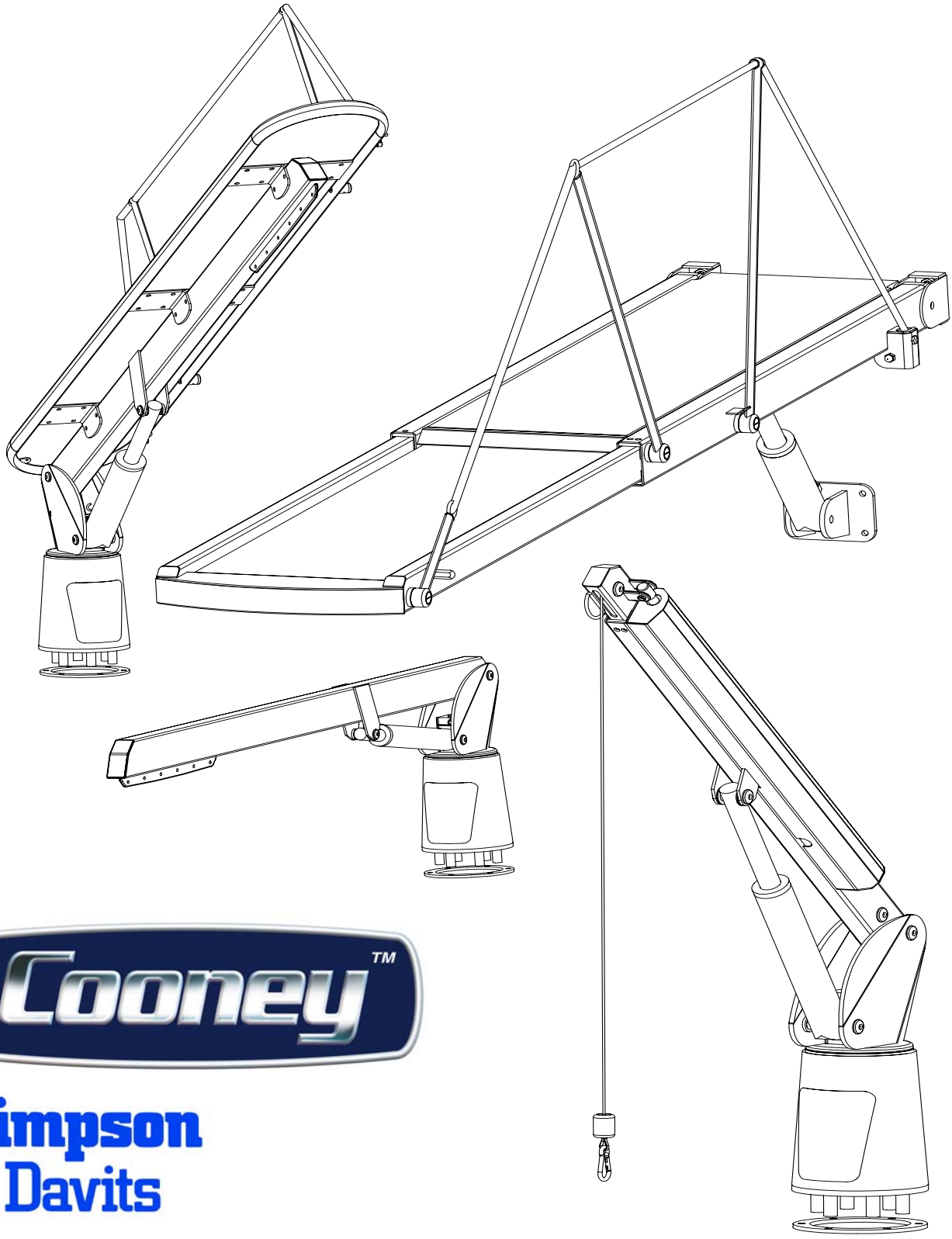
Auf 44 Seiten werden Ihnen Systemprinzipien, hydraulische Kreisläufe, Powerpack und weitere technische Details erklärt.

Das Manual liegt gegenwärtig leider nur in englischer Sprache vor. Bitte fragen Sie uns als Cooney Vertreter gerne nach unverständlichen Dingen, oder nach weitergehenden Details oder Informationen.

Den Cooney Prospekt, aktuelle Preislisten usw. können Sie jederzeit auf unserer Website www.sailtec.de anschauen und dort im Bereich DOWNLOADCENTER auch downloaden.

Mit freundlichen Grüßen,
SAILTEC GmbH

Christian Gnass
Geschäftsführer



Cooney™

Simpson Davits

Crane & Passarelle Range
Intallation & Operating Instructions

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Introduction

Cooney Marine Products have been producing stainless deck fittings for the boating industry for over 30 years, and are constantly expanding our product range to meet the new requirements of today's boat owners.

The current range of Cranes and Passerelles are built to a high standard in stainless steel with teak decking for the Passarelles, and all come with the option of radio remote control.

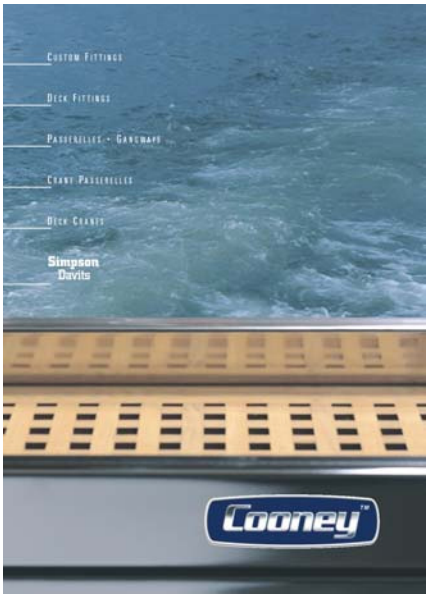
For more information on Cooney Marine, Simpson Davits and the full range of products contact us at:-

Cooney Marine International
Telford Way
Kettering
Northants
NN16 8UN
United Kingdom

Tel: +44 (0) 1536 484481
Fax: +44 (0) 1536 411580

E-mail: sales@cooneymarine.co.uk
www.cooneymarine.co.uk
www.simpsondavits.co.uk

For a copy of our latest Brochure and product catalogue:-



Installation Guide

General Information

The fitting instructions contained in this manual have been compiled only as a guide to aid the installers, regarding mounting and positioning the components of the crane.

- 1. The fixing point for the crane will need to be ascertained at the time of installation, to ensure that the crane will not impinge on any parts of the boats superstructure when the crane is fully retracted/stowed or extended.

- 2. The bathing platform /transom will need to be extensively reinforced, especially at the fixing points. As each boat is different we would recommend contacting the Manufacturer, Naval Architect or reputable boat yard for advice before installation.

- 3. The pump/motor unit will need to mounted in a horizontal plane, with the filler and valves accessible, with adequate clearance for maintenance and ventilation.

- 4. The manual control switch panel must be fixed in a suitable position to allow clear vision of the crane when operating. It is retained by four fixing holes, one in each corner, using M5 pan head bolts. It is important to use fibre washers between the fixing bolts and the plate along with a suitable silicone sealant to ensure corrosion is prohibited.

- 5. The electrical junction box and radio remote control box, both have screw fixing holes inside.
  The electrical junction box can be mounted anywhere above possible bilge levels, either horizontally or vertically.

- 6. The radio remote control box can also be mounted in any plane, but should be kept as far away as possible from any e.m.f. producing components (e.g. electric motors). The aerial from the remote control can be mounted anywhere inside the boat, although comes attached inside the remote unit. The aerial should also be kept away from electrical interference. (Technical specification and certificate for remote control can be found in annex B).

Deck Mounted Crane or Crane Passarelle

Fitting Guide

The crane will come assembled in two parts.
1. The beam, bearing housing assembly and shaft.
2. The rotator and base fixing plate with limit switch column. (If applicable)

Below is a guide to fitting the crane, which may need to be altered by the installer according to their normal working practices.

Do not undo any of the tensioning bolts on the lower bearing until crane is fully fitted, as these hold the crane beam assembly to the bearing housing assembly.

- 1. Determine centre of shaft position at the mounting point on the boat superstructure. Fig. 1
- 2. Drill hole (with hole-saw) to accommodate the bearing housing. Fig 2
- 3. Lower the shaft, beam and bearing housing assembly down through the hole and position bearing housing plate for drilling fixing holes.(10mm). Fig 3
- 4. Drill fixing holes and secure bearing housing (dry) using suitable bolts.
- 5. Fix rotator and base plate to the shaft using bolts provided, with the base plate in its intended fixing position. Fig 4
- 6. A distance between the base plate, and the fixing position you have made for it should now be present. This gap, especially if not level, can be filled with "Quick fill" or similar hard setting product.
- 7. The base plate will need to be greased and any holes taped over. Then remove the fixing nuts from the bearing housing and lift the entire crane assembly slightly to allow access to make a "quick fill" pad. Once the filler is in place, lower the crane assembly back down onto the pad and tighten bearing housing nuts. Fig 5
- 8. Once the filler has gone off the beam, shaft and bearing housing assembly can be removed from the rotator and base plate. Then the rotator and base plate can be drilled for fixing. Once drilled the base plate and rotator can be removed for cleaning and tape removal. Fig 6
- 9. The entire assembly can now be fitted with sealant and bolted into position. Fig 7

This method of fitting ensures that alignment is correct and no slack is present in crane.

- 10. Hoses can now be passed through the deck glands (if applicable), in a suitable position to allow free movement and no kinking throughout the travel of the crane's rotation. Connection can now be made of all hoses to the power pack following the numbers on each hoses and valve block connector (Fig 8). See also Hydraulic connections section of this manual
- 11. Electrical connections should also now be made following number system and additional electrical connection information contained in Electrical connections section of this manual.

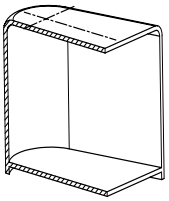


fig. 1

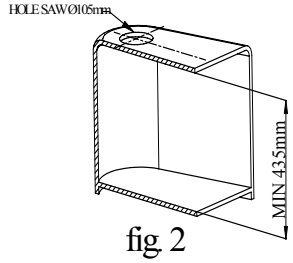


fig. 2

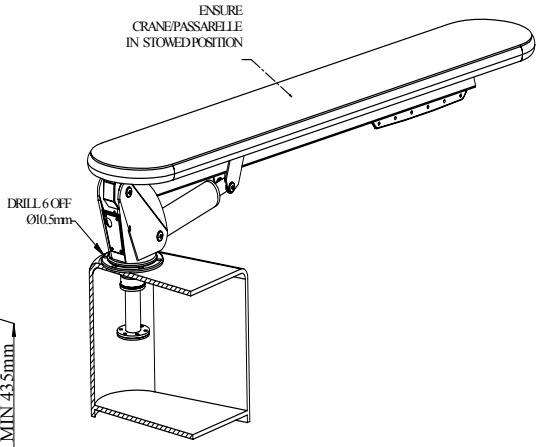


fig. 3

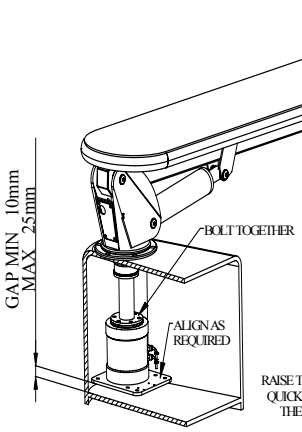


fig. 4

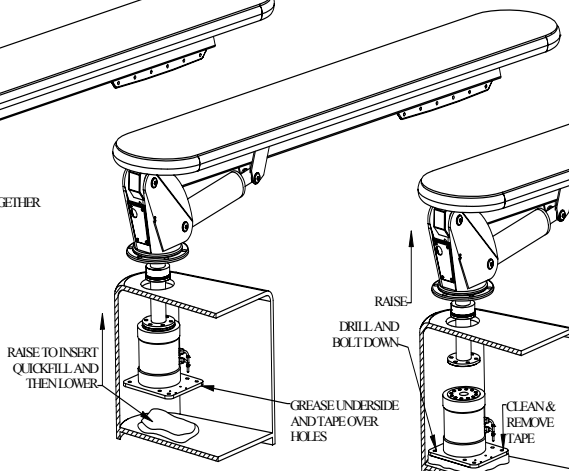


fig. 5

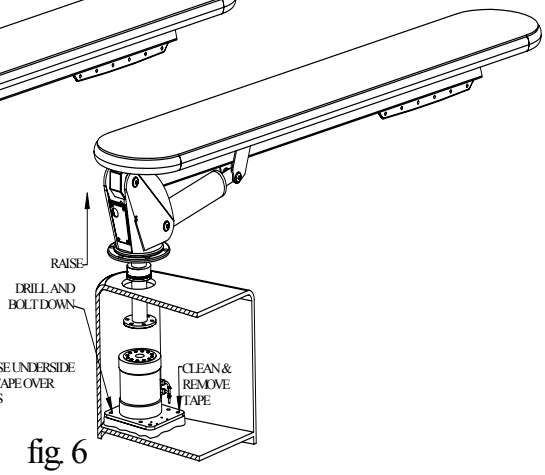


fig. 6

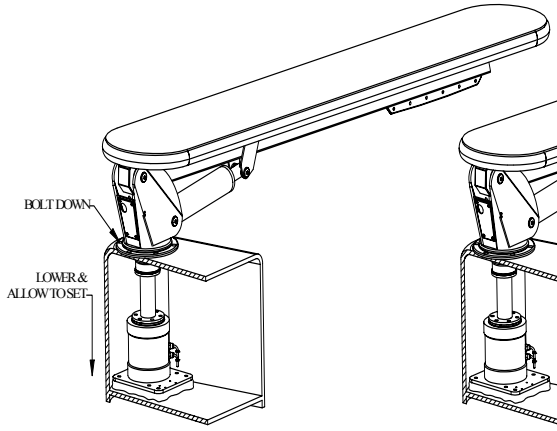


fig. 7

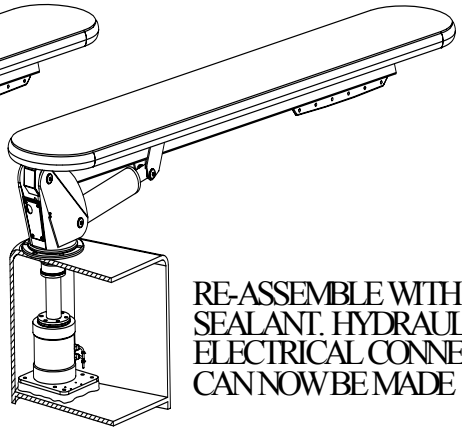


fig. 8

RE-ASSEMBLE WITH SUITABLE SEALANT. HYDRAULIC & ELECTRICAL CONNECTIONS CAN NOW BE MADE

Pedestal Mounted Crane or Crane Passerelle

Fitting Guide

The crane will come assembled in two parts.
1. The main crane assembly.
2. The deck clamping plate.

Below is a guide to fitting the crane, which may need to be altered by the installer according to their normal working practices.

- 1. Determine centre of pedestal position at the mounting point on the boat superstructure. Fig 1

- 2. Drill holes to accommodate the hose carrier tubes and mounting bolts, as per supplied template. NOTE: The crane will be supplied in it's park position, allowing 180 deg of rotation. Fig 2

- 3. Lower the crane onto the deck, ensuring correct alignment, carefully passing the hoses through the relevant holes. Fig 3. Bolt the crane into position with clamping plate under the deck to spread the loading using a suitable sealant beneath the deck plate. Fig 4

- 4. Hoses can now be passed through to the power pack, in a suitable position to allow free movement and no kinking throughout the travel of the crane's rotation. Connection can now be made of all hoses to the valve block following the numbers on each hoses and valve block connector. See also Hydraulic connection section of this manual.

- 5. Electrical connections should also now be made following number system and additional electrical connection information contained in Electrical connections section of this manual.

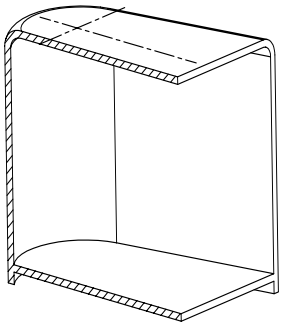


fig. 1

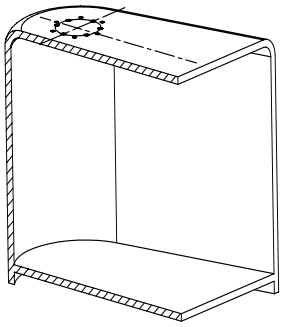


fig. 2

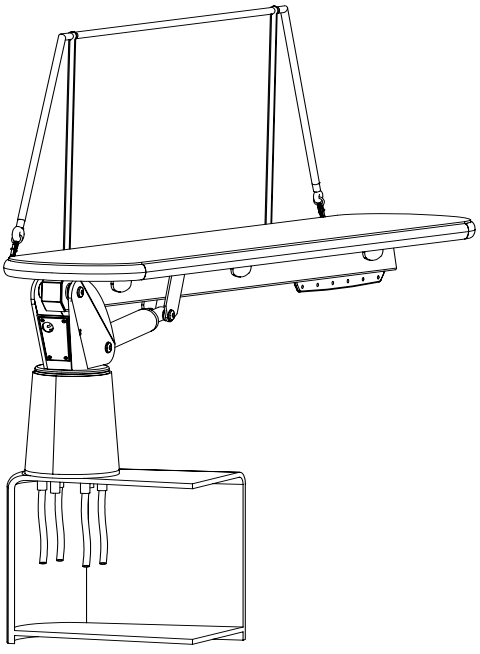


fig. 3

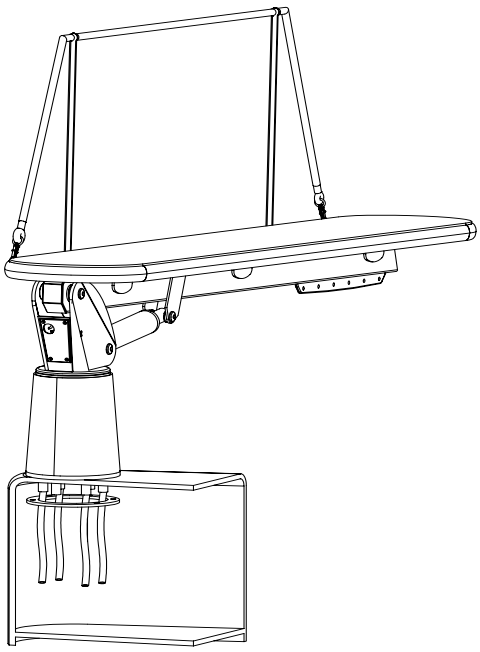


fig. 4

Passerelles

Fitting Guide

The Passerelle will come assembled ready to mount.

Below is a guide to fitting the crane, which may need to be altered by the installer according to their normal working practices.

- 1. Determine the fixing point for the three fixing brackets, ensuring that the passerelle will not impinge on the bathing platform or stern combing when the passerelle is fully retracted.

  NOTE: The relative positions of the upper and lower brackets in conjunction with the ram size will determine the angular movement of the passerelle. It is therefore essential to position these as advised by Cooney Marine if the desired results are to be achieved. Fig 1

- 2. Drill holes to accommodate the hoses and mounting bolts, as per supplied template. Fig 2

- 3. Fit the passerelle to the transom ensuring it is fully supported until the hydraulics and electrical supplies have been fitted. Fig3

- 4. Hoses can now be passed through the supplied deck glands to the power pack, in a suitable position to allow free movement and no kinking throughout the travel of the passerelle's movement. Connection can now be made of all hoses to the valve block following the numbers on each hoses and valve block connector (Fig 4). See also the Hydraulic connections section of this manual.

- 5. Electrical connections should also now be made following number system and additional electrical connection information contained in the Electrical connections section of this manual.

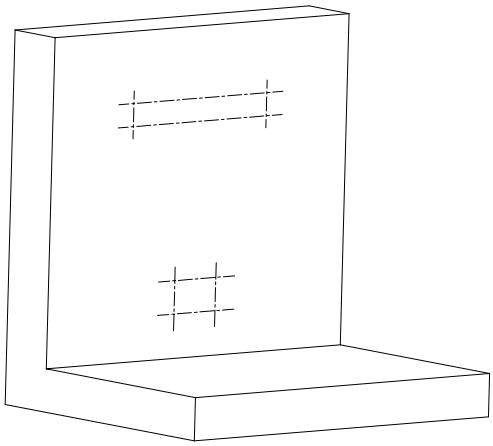


fig. 1

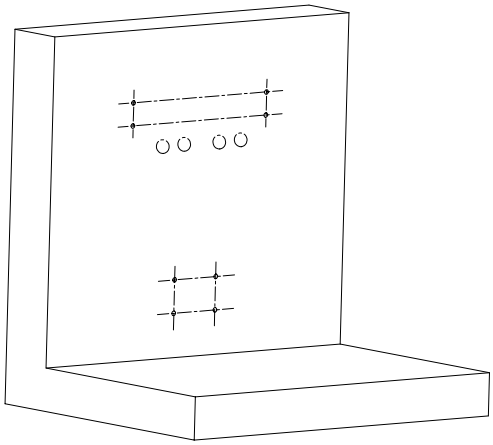


fig. 2

NOTE: The relative positions of upper and lower mounts will affect the range of the Passerelle's movement. Please check with Cooney Marine before drilling.

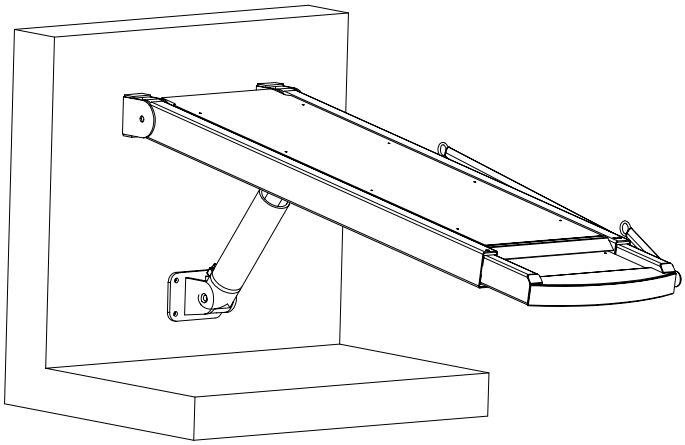


fig. 3

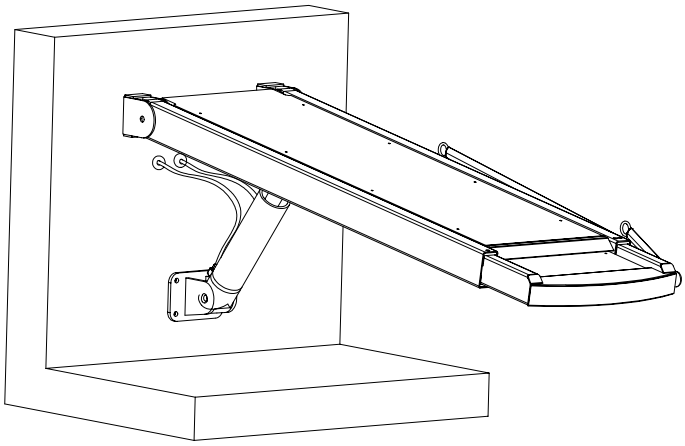


fig. 4

Hydraulic Fitting

- 1. The Power Pack should be fitted in a horizontal level position, above bilge levels and securely fixed.
  The separate valve block unit (if applicable), should be mounted close to the pump unit allowing easy access to all control valves for servicing purposes.

- 2. All hydraulic hoses are marked with a number, which in turn corresponds to the same number on the rams or valve block.
  The hoses must be connected to the correct number on the rams or valve block, as one end of the hose has a zinc plated fitting for inside the boat, and the other has a stainless fitting for outside connection.

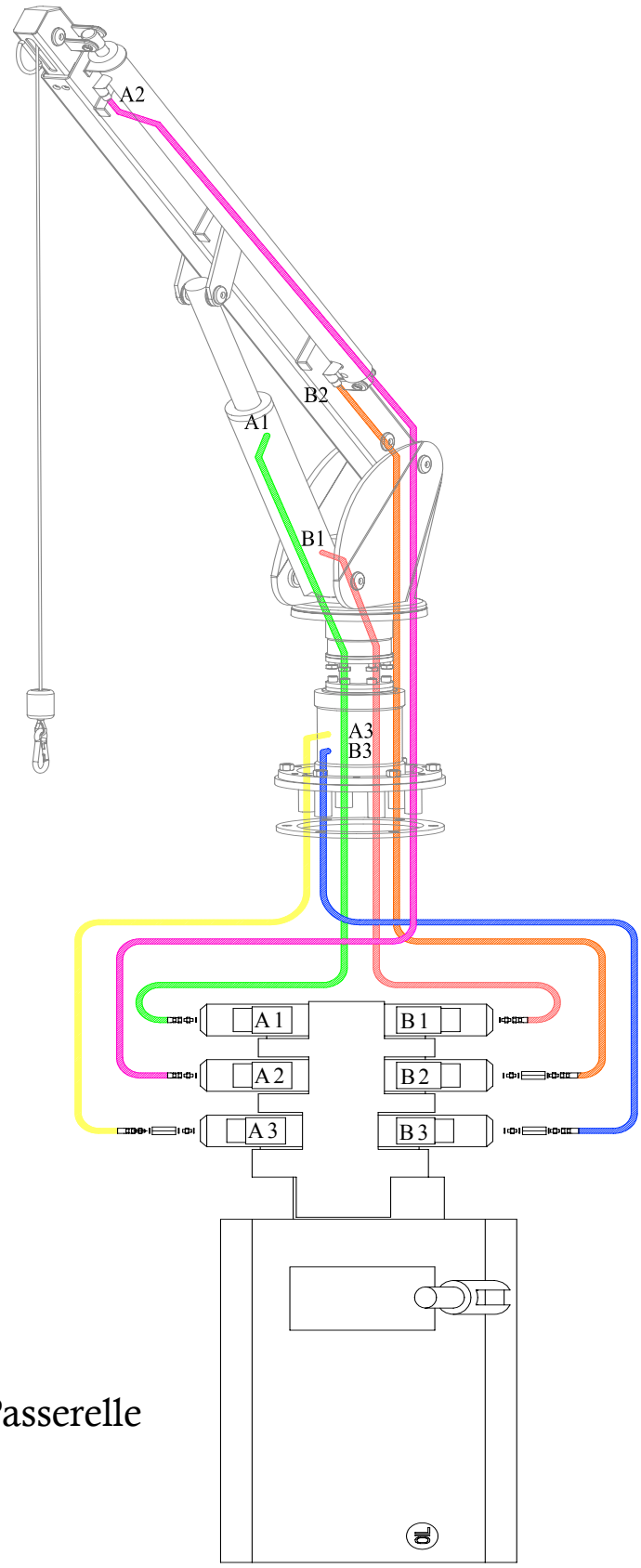
- 3. It is IMPORTANT that you do not over tighten the "swivel cone" fittings, but just exert enough pressure to seal the fitting. (i.e. approx. 1/8 to 1/4 of a turn after 'nip' or finger tightness). The 'Quick Fit' hose connectors are made by pulling back the outer spring sheath and placing the fitting over it's male partner, push, then release the outer sheath.

- 4. The hoses used in the installed unit are a P.T.F.E lined hose, braided with stainless steel. This particular type of hose can withstand great pressure and temperature changes, but has a minimum bend radius of 50 mm. Therefore the installation must provide the scope for the hose to accommodate this restriction. i.e. The deck glands must be placed in a suitable position to allow the hose free movement without "kinking".

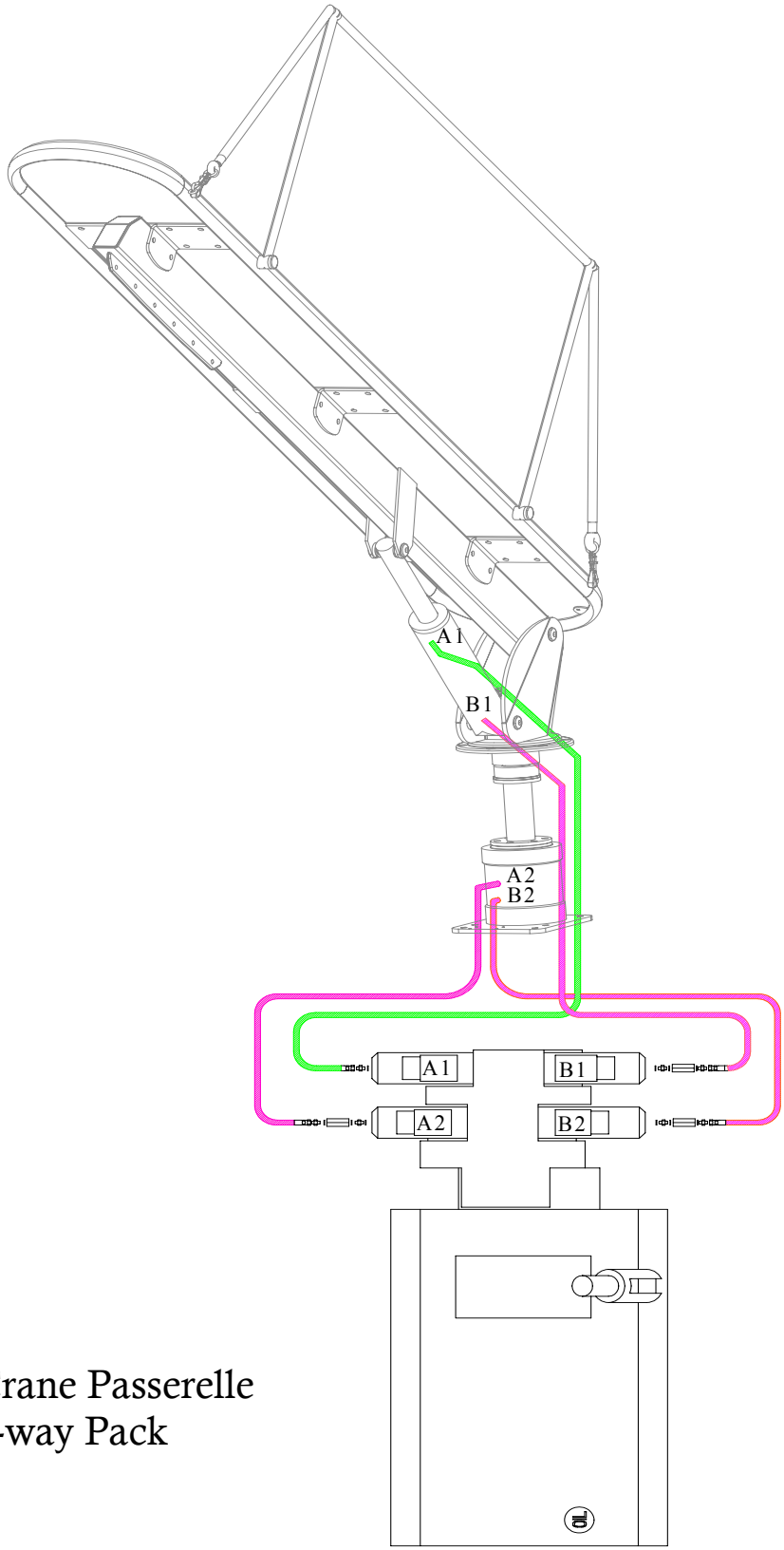
- 5. When commissioning the unit, it is recommended that the hydraulic oil is pumped around the system using the hand pump. It is necessary to operate the solenoid valves manually to facilitate this.
  The hand pump is provisionally provided in case of power failure and enables the unit to be operated manually.

- 6. The system pressure will be pre-set at the time of manufacture, but can be either increased or decreased at any time if necessary.
  As this is unlikely to be needed, we suggest that if you have any queries on this matter, you contact us by telephone or facsimile.

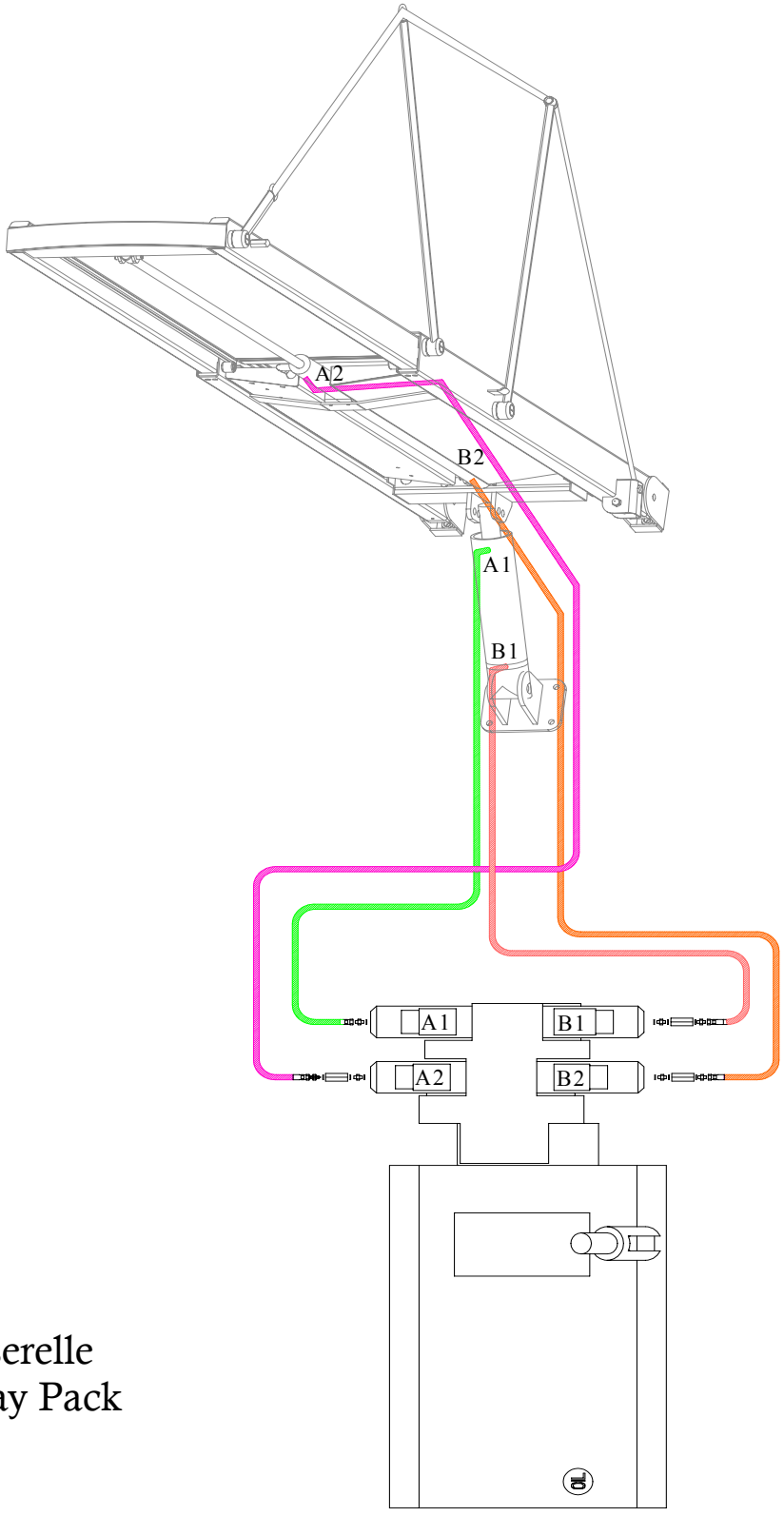
- 7. The system will hold approximately 5 litres of oil. The oil required is any standard hydraulic oil of around I.S.O 32-46 VG.
  Filling of the tank is by means of a filler on top of the tank/pump unit, using the eye glass to determine the level.
  It may be necessary to top up the level once the rams and hoses have been initially primed.



Extending
Crane/Crane Passerelle
6-way Pack



Crane Passerelle
4-way Pack



Passerelle
4-way Pack

cranes with restricted travel

Cooney Marine can supply Cranes/Crane Paserelles fitted with limit switches to restrict both the rotation and lifting of the jib. This can prevent damage to the boat due to mishandling of the crane.

As each case must be considered individually, separate Electrical & Hydraulic connection details will be supplied on delivery.

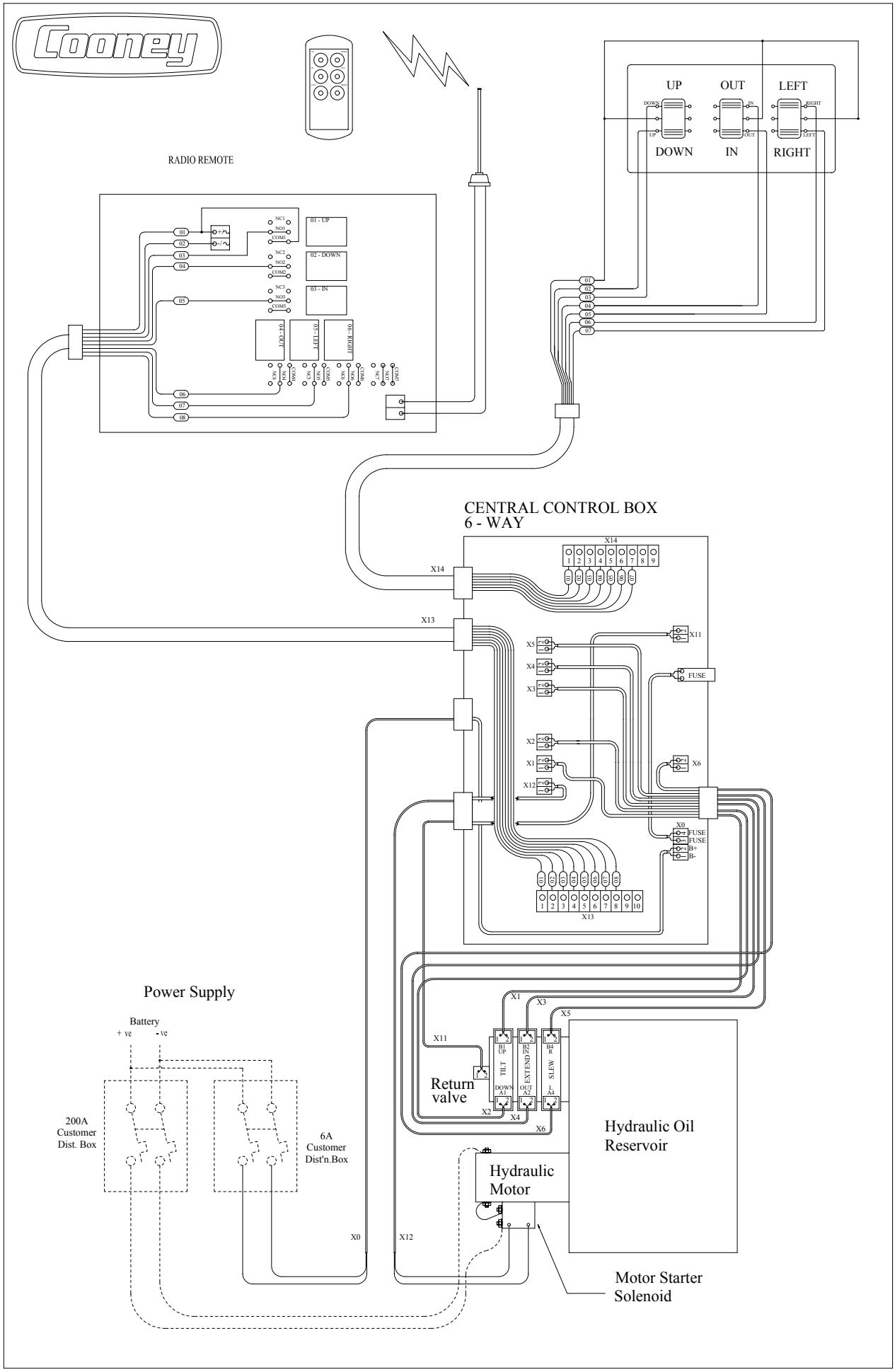
Electrical Connection

The Crane comes with an easy to install pre-wired electrical junction box and loom.

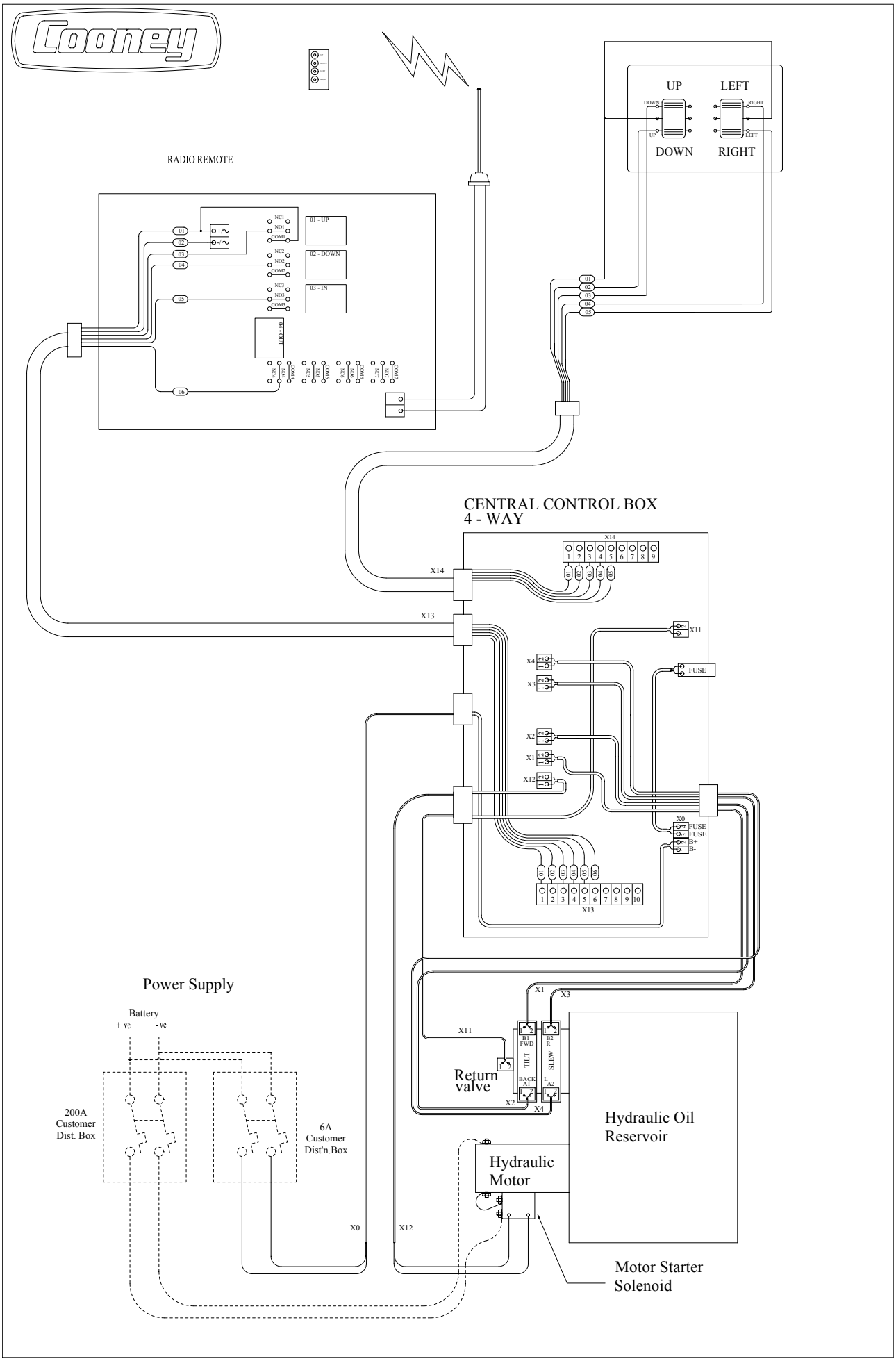
Connection is simply the fitting of the junction box in a suitable position, above possible waterline in bilge, and mounting of the remote control box and aerial (preferably at least 3 feet from any other electrical interference). Once this is done, the wires from the box are all marked and numbered to make connection simple.

Connection of wires to the motor, batteries, remote control and switch plate will need to be made by the installers, using suitably sized cables for battery connection, for the current draw applicable to the voltage used on the boat. (Refer to attached additional electrical diagrams over page).

6-FUNCTION SYSTEM

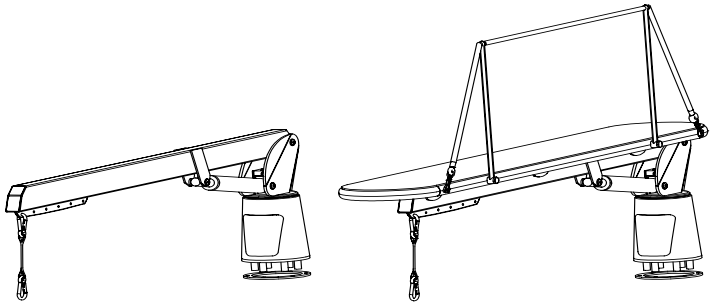


4-FUNCTION SYSTEM



General Operation Guide

Fixed Beam Cranes & Crane Passerelles



To Launch The Dinghy.

1. Look carefully around to ensure it is clear behind your boat. Position crane over dinghy.

2. Attach carbine hooks to dinghy harness, remove all fastenings and tie downs.

3. Raise crane fully, lifting dinghy clear of the bathing platform.

4. When fully lifted, slew dinghy over water. Lower dinghy into water. Attach dinghy painter before detaching lifting wires.

5. Lower and slew crane to a stowed position, if required.

To Recover The Dinghy

1. Lift crane to almost horizontal, slew over dinghy.

2. Before extending crane, ensure that the lifting wire is not attached to any part of the boats or cranes superstructure, or serious damage will result.

3. Attach wires to dinghy, and lift clear of the water. Ensure that excess weight, water, loose items and people are out of the dinghy.

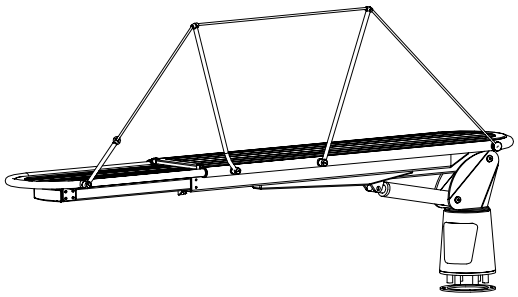
4. Slew crane and lower dinghy onto the platform. Ensure dinghy is securely fastened down.

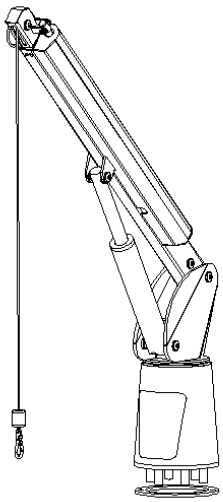
5. Remove lifting wires and lower crane into stowed position.

6. Fasten down dinghy before setting to sea.

General Operation Guide

Extending Cranes/Crane Passerelles





To Launch The Dinghy.

1. Look carefully around to ensure it is clear behind your boat. Position crane over dinghy.

2. Attach carbine hooks to dinghy harness, remove all fastenings and tie downs.

3. Raise crane to lift dinghy clear of the bathing platform. (On cranes with a wire fitted extending the jib will shorten the lifting wire and lift the dingy further.)

4. When fully lifted, slew dinghy over water. Lower dinghy into water. Attach dinghy painter before detaching lifting wires.

5. Lower, retract and slew to a stowed position, if required.

To Recover The Dinghy

1. Lift crane to almost horizontal, slew over dinghy.

2. On cranes with a wire, before extending the jib, ensure that the lifting wire is not attached to any part of the boats or cranes superstructure, or serious damage will result.

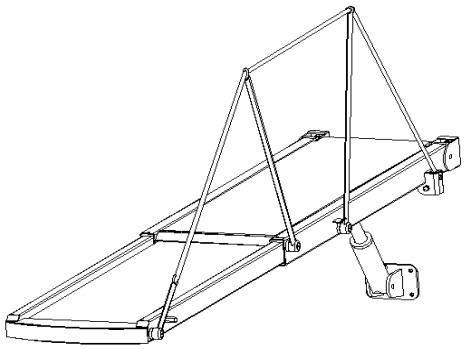
3. Attach wires to dinghy, and lift clear of the water. Ensure that excess weight, water, loose items and people are out of the dinghy.

4. Slew crane and retract jib, lowering dinghy onto the platform. Ensure dinghy is securely fastened down.

5. Remove lifting wires and lower crane into stowed position.

General Operation Guide

Passerelles



To Launch The Dinghy.

- 1. Look carefully around to ensure it is clear behind your boat.

  The lifting wires on the passarelle must be able to run vertically up and down.

It is essential that a four point lifting harness is used, if conventional davit lifting eyes are fitted to the dinghy. The four point harness can either be webbing or wire, although webbing is kinder to the dinghy. Any slings or harnesses used must be of adequate strength, with a good safety margin.

- 2. Attach carbine hooks to dinghy harness, remove all fastenings and tie downs.
- 3. Raise passerelle fully and extend, lifting the dinghy clear of the bathing platform.
- 4. When fully extended, lower dinghy into the water. Attach dinghy painter before detaching lifting wires.
- 5. Retract passerelle and lower to a stowed position, if required.

  When passerelle is stowed it is essential that the lifting wires are not clipped or tied onto any other part of the vessels superstructure.

To Recover The Dinghy

Before extending passerelle, ensure that the lifting wires are not attached to any part of the boats superstructure, or serious damage will result.

Lift passerelle to almost horizontal and extend.

Attach wires to dinghy, and lift clear of the water. Ensure that excess weight, loose items and people are out of the dinghy.

Retract passerelle, lowering dinghy onto the platform. Ensure dinghy is securely fastened down.

Remove lifting wires, lower passerelle into stowed position.

Technical Specification

1. Power Supply - 12 or 24 volts DC.

2. Current Draw - 12 volt system (180 amps-peak) - 24 volt system (90 amps-peak)

3. Hydraulic hoses - Stainless steel braided P.T.F.E lined (Burst pressure 5000 P.S.I)

4. Max. system working pressure - 2000 P.S.I (140 bar) - Power Pack Max working pressure 3000 P.S.I (210 bar) / Solenoid valve block - Max working pressure - 5000 P.S.I (340 bar)

5. Main Frame - Structure -Passivated 316 Stainless Steel with
- Finish - Mirror Polished or 2 Pack Polyeurythane epoxy white paint

6. Radio remote control operating in the UHF frequency band on 418 MHz. (Annex C)

7. Automatic self-stowing lifeline / stanchion assembly. (on TCP275 only)

8. Oil used is any suitable brand named hydraulic oil to I.S.O. 32-46 grade.

9. Dinghy lifting systems capable of lifting between 80 and 260 kg, depending on model of used. (see range specification table)

Declaration Of Conformity

- 1. Business name and full address:

  Cooney Marine International Ltd
  Telford Way Ind' Est'
  Kettering
  Northants
  NN16 8UN

- 2. Description of machinery or safety components:

  The "machinery or safety component" is recognised as:

  2.75m Telescopic Passerelle, with dinghy lift capability

  The serial No. of this model is:

- 3. Directives complied by afore mentioned machinery and function of safety components:

Directives

a/ The electro-magnetic compatibility directive

Function of safety components:

a/ Hose burst valve - To ensure that if any failure of the hydraulic system occurred, the main lift ram would be prevented from collapsing.

- 4. Name of body technical file has been forwarded to: N/A

- 5. National Standards and technical specifications used: N/A

- 6. Identification of the person empowered to sign on behalf of the 'responsible person':
  The persons empowered to sign on behalf of the 'responsible person' will be identified as:
  a/ Mr Kevin Cooney
  b/ Mr James Cooney
  c/ Mr Chris Sleet

  The 'Responsible person' will be identified as Mr David Bosworth

Technical File

- 1. An overall drawing of the machinery or safety components together with drawings of the control circuits can be found on file at the premises of the manufacturer or at:

  Cooney Marine International Ltd
  Telford Way
  Telford Way Ind' Est'
  Kettering
  Northants
  NN16 8UN

- 2. The standards and other technical specifications used can be found in the Declaration Of Conformity which is included in the Fitting and Operation Manual.

  A general safety margin of 3 times was used throughout the design stage of the machinery or safety component.

- 3. For a description of methods adopted to eliminate hazards presented by the machinery or safety component, please refer to the 'General Operation Guide' contained in the 'Fitting and Operation Manual'.

- 4. For reference to technical reports or certificates obtained from a competent body or laboratory, please see the Annex in the 'Fitting and Operation Manual'.

- 5. For reference to test results from in house tests carried out by the 'responsible person' please see the annex in the 'Fitting and Operation Manual'

- 6. A copy of instructions for the machinery or safety component is represented by the 'Fitting and Operation Manual'.

Series Manufacture

The internal measures implemented to ensure that the machinery or safety component remains in conformity with the provisions of the Directive are as follows:

- Forms contained in the annex of the Fitting and Operation Manual, entitled 'Component Test Certificate', will show results of 'in house' tests carried out on individual component parts of each finished unit, ensuring that the unit complies with the initial standards set.

Trouble Shooting Guide

Cooney Systems are fitted with hydraulic power packs of types A or B as illustrated over page. In the references in the text are shown on the photographs pages 27-33.

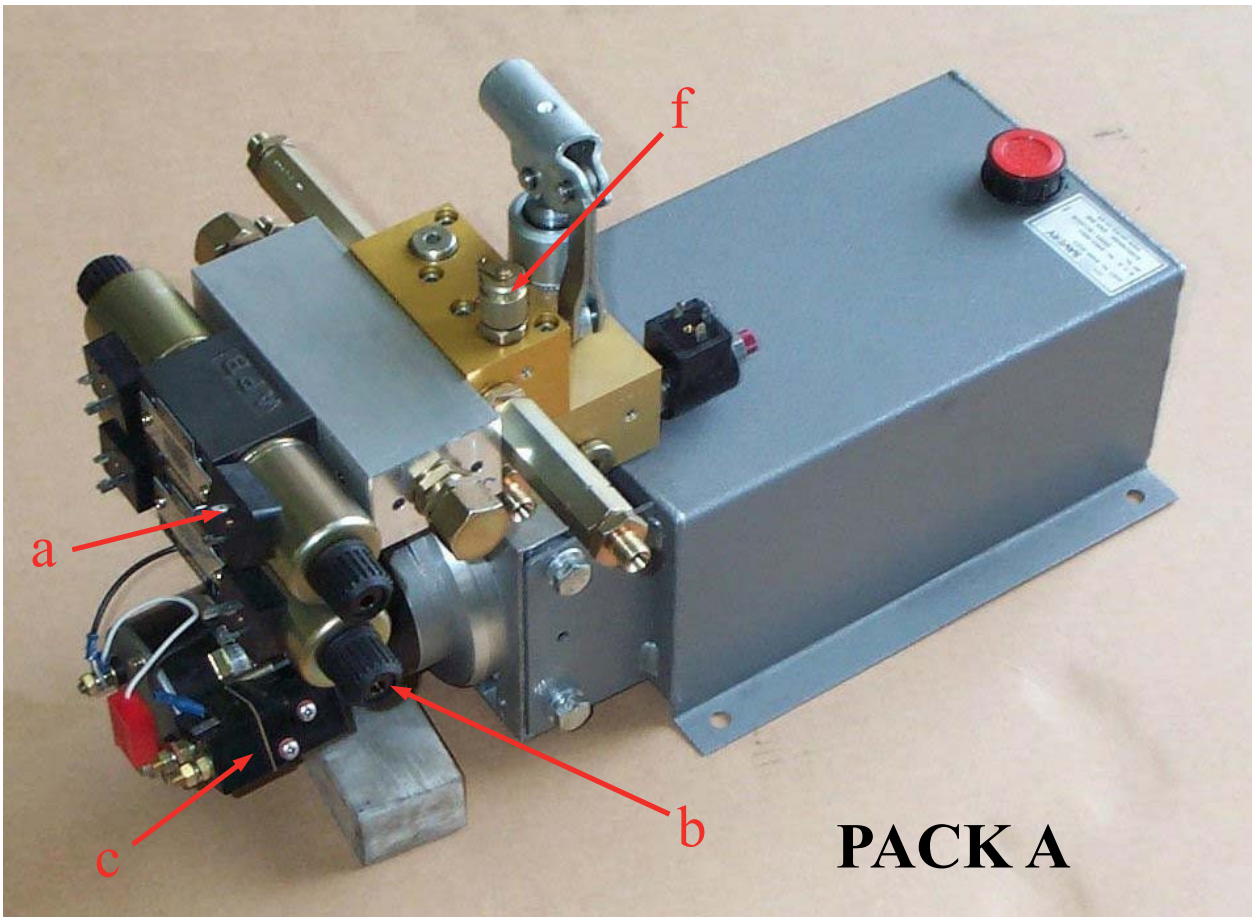
Problems and Solutions

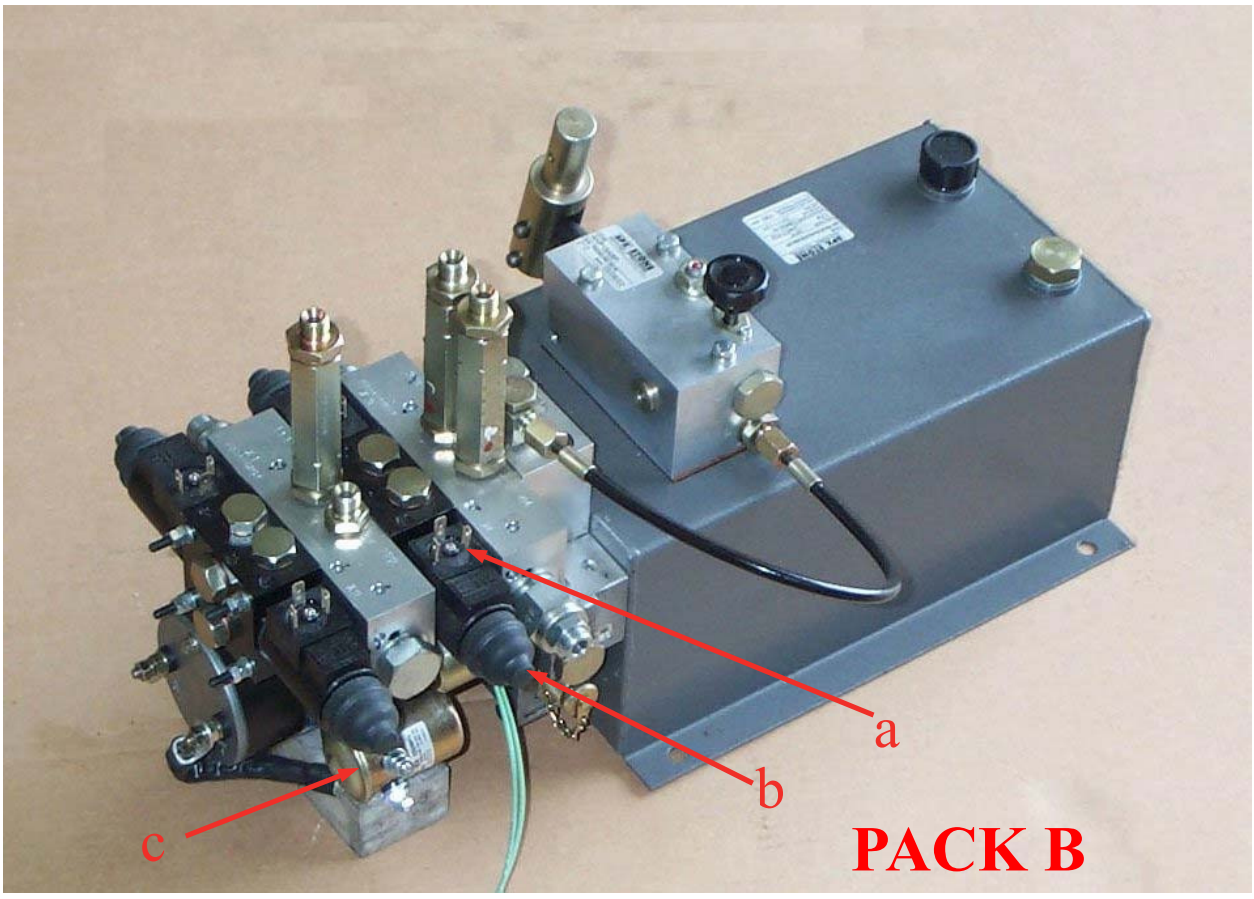
Hydraulic ram/rotary actuator not functioning in either direction

No.	Cause	Diagnosis & Remedy
1	Electrical Failure	Check to see if power is reaching solenoid valves (Part a). If yes then manually depress the solenoid valves (Part b) while another person depresses the corresponding button on the control plate. If ram operates then call for replacement solenoid valves.
2	Oil Shortage	Check oil level in tank and top up as necessary.
3	Ram	If items 1 & 2 are ok then the ram will need require removal and return to Cooney Marine for checking.

Motor does not engage on any function

No.	Cause	Diagnosis & Remedy
1	Electrical Failure	Check that power is reaching the junction box. If yes check 10 amp fuse in side of junction box and replace if necessary.
2	Motor Starter Relay	This should click to engage motor. If it does not then call for advice. (Part c)


f
a
b
c
PACK A


a
b
c
PACK B

Motor engages but function does not operate

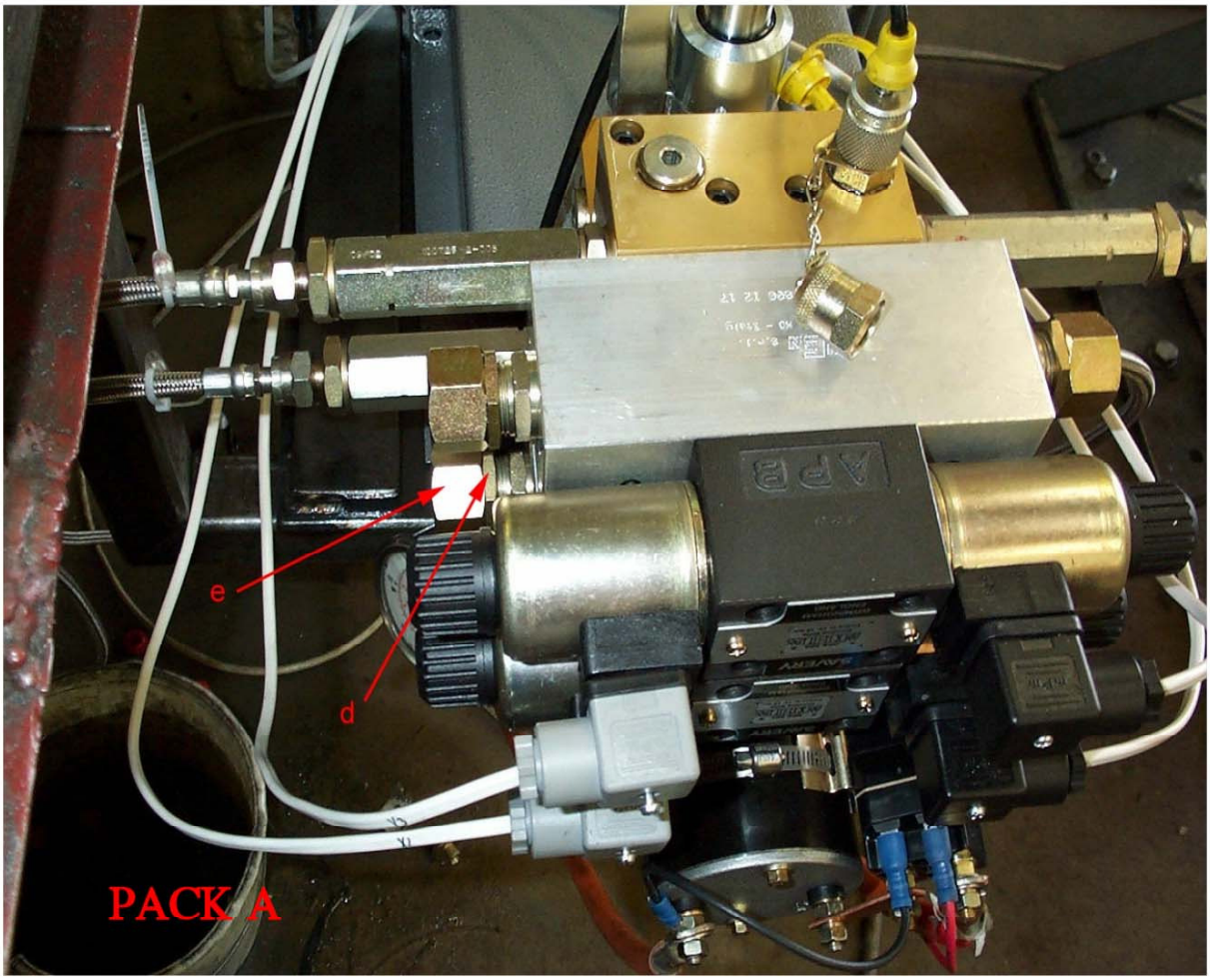
No.	Cause	Diagnosis & Remedy
1	Electrical Failure	Check to see if power is reaching solenoid valves. If yes then manually depress the solenoid valves while another person depresses the corresponding button on the control plate. If ram operates then call for replacement solenoid valves.
2	Oil Shortage	Check oil level in tank and top up as necessary.
3	Ram	If items 1 & 2 are ok then the ram will need require removal and return to Cooney Marine for checking.

Solenoid valve opens but motor does not operate

No.	Cause	Diagnosis & Remedy
1	Motor Starter Relay	See Previous

Hydraulic ram/rotary actuator stick at inner or outer position

No.	Cause	Diagnosis & Remedy
1	Solenoid Valve	See Previous
2	Oil Shortage	Check oil level in tank and top up as necessary.
3	Ram	If items 1 & 2 are ok then the ram will need require removal and return to Cooney Marine for checking.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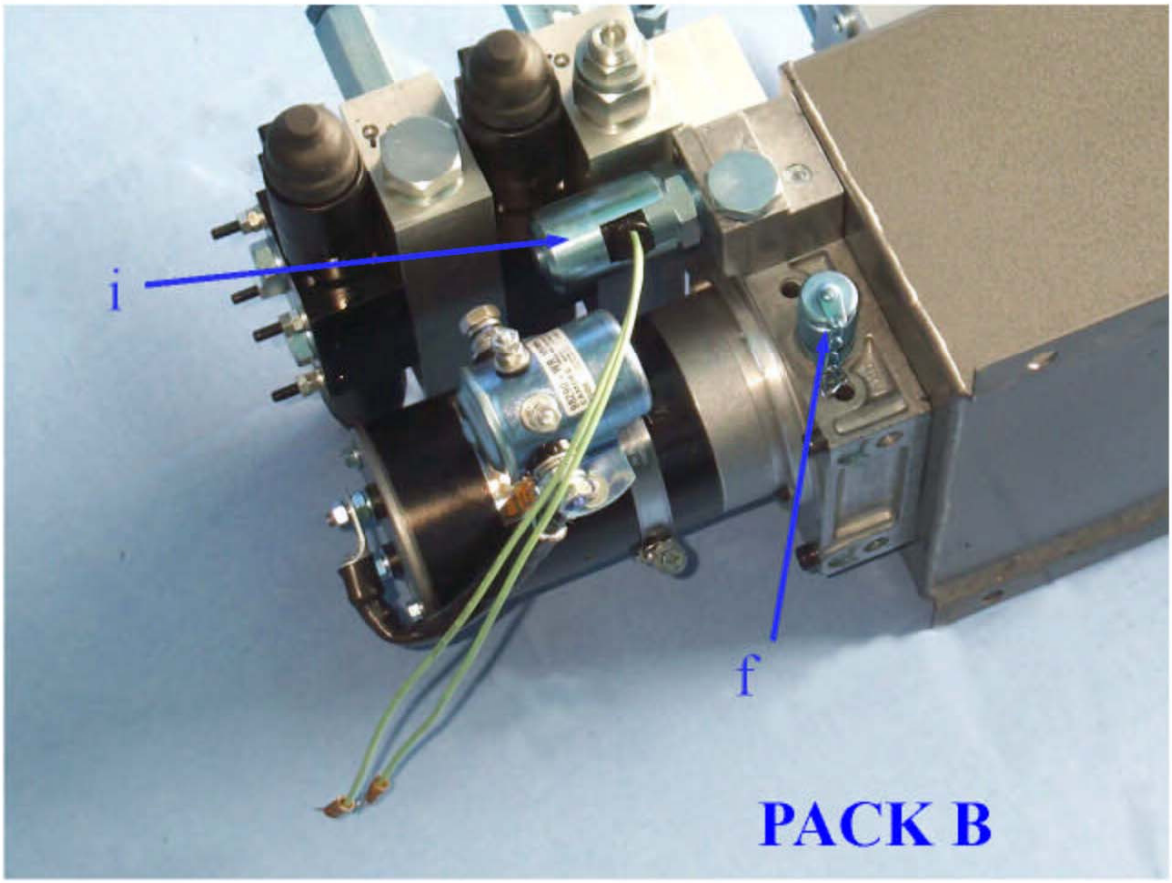
PACK A


i
f
PACK B

Hydraulic ram/rotary actuator show excessive oil leaks

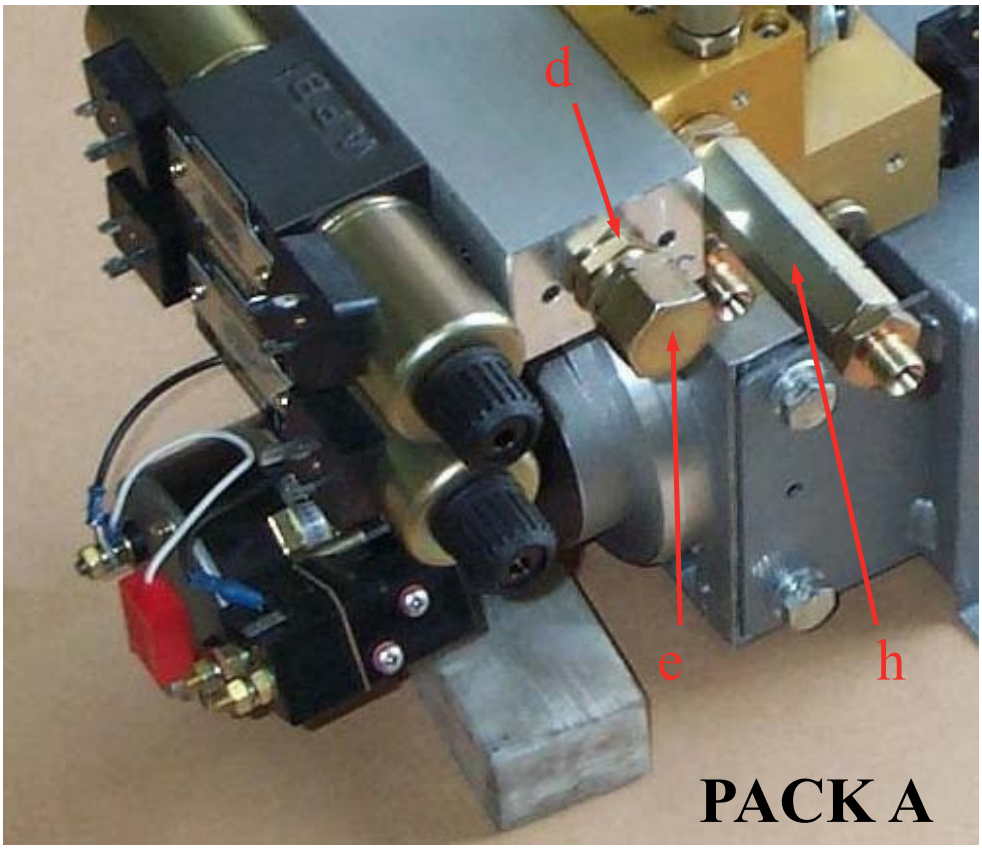
No.	Cause	Diagnosis & Remedy
1	Hose connections	Connections may be loose. Tighten and recheck for leaks.
2	Ram seals	Call Cooney Marine for advise.

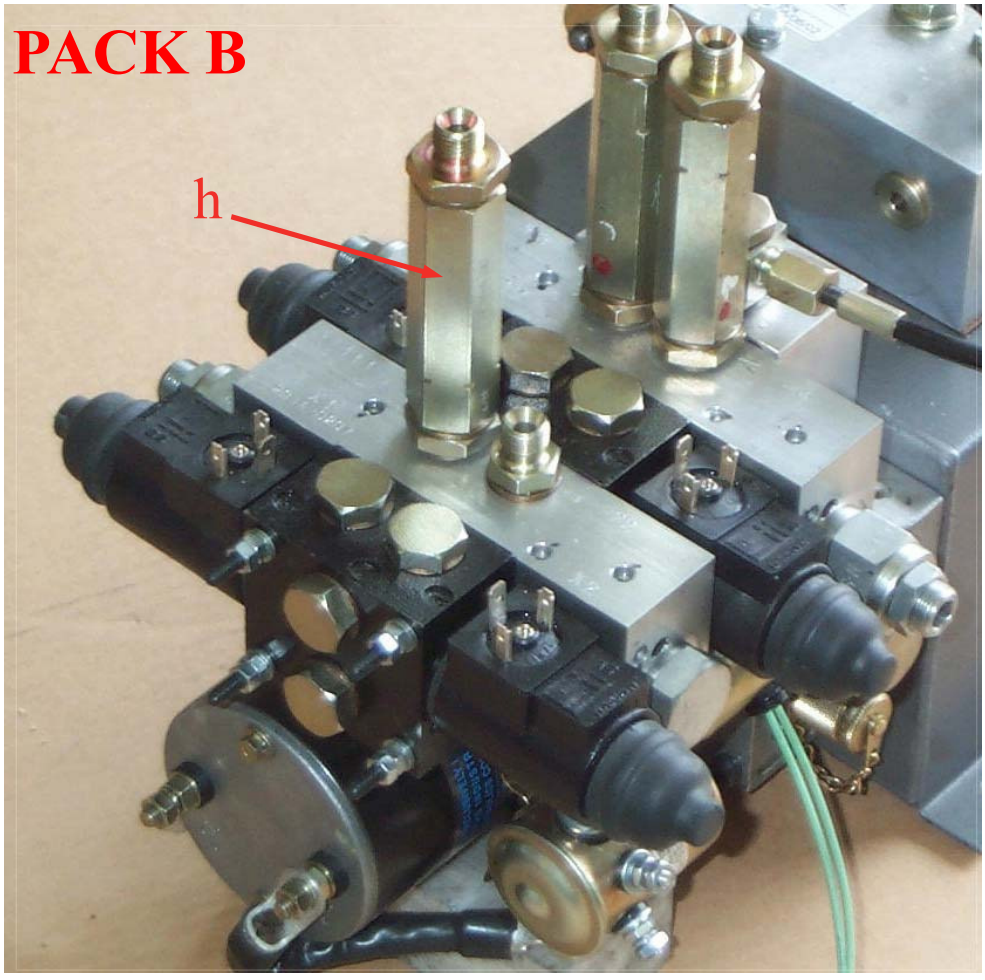
Main lift ram will lift no weight

No.	Cause	Diagnosis & Remedy
1	Oil Shortage	Check oil level in tank and top up as necessary.
2	System Pressure too low	Call Cooney Marine for advise.

Lift ram sinks under load

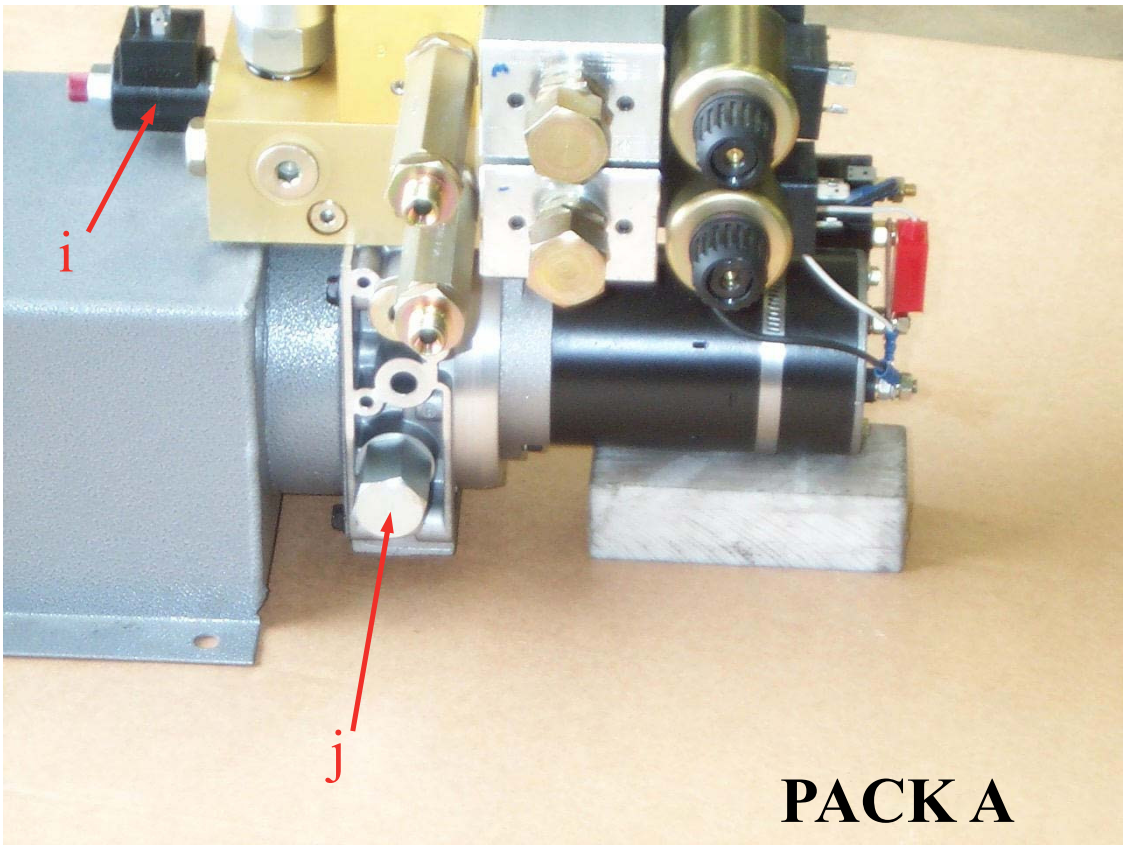
No.	Cause	Diagnosis & Remedy
1	Too much load applied	Reduce load to specified limit
2	Counterbalance valve Requires adjustment	Pack A Undo locknut (27 AF) (item d) . Turn outer hex head (item e) clockwise 1/4 of a turn and re-test. If still failing contact Cooney Marine for advice. Pack B Undo locknut ,19mm AF(item d). With 8mm hex key, Turn inner screw (item e) 1/4 turn clockwise and re-test. If still failing contact Cooney Marine for advice.
3	Oil leak	Check for oil leak in connections and hoses. Call Cooney Marine for replacements.
4	Ram seal failure	This is an unlikely event, call Cooney Marine for advice.

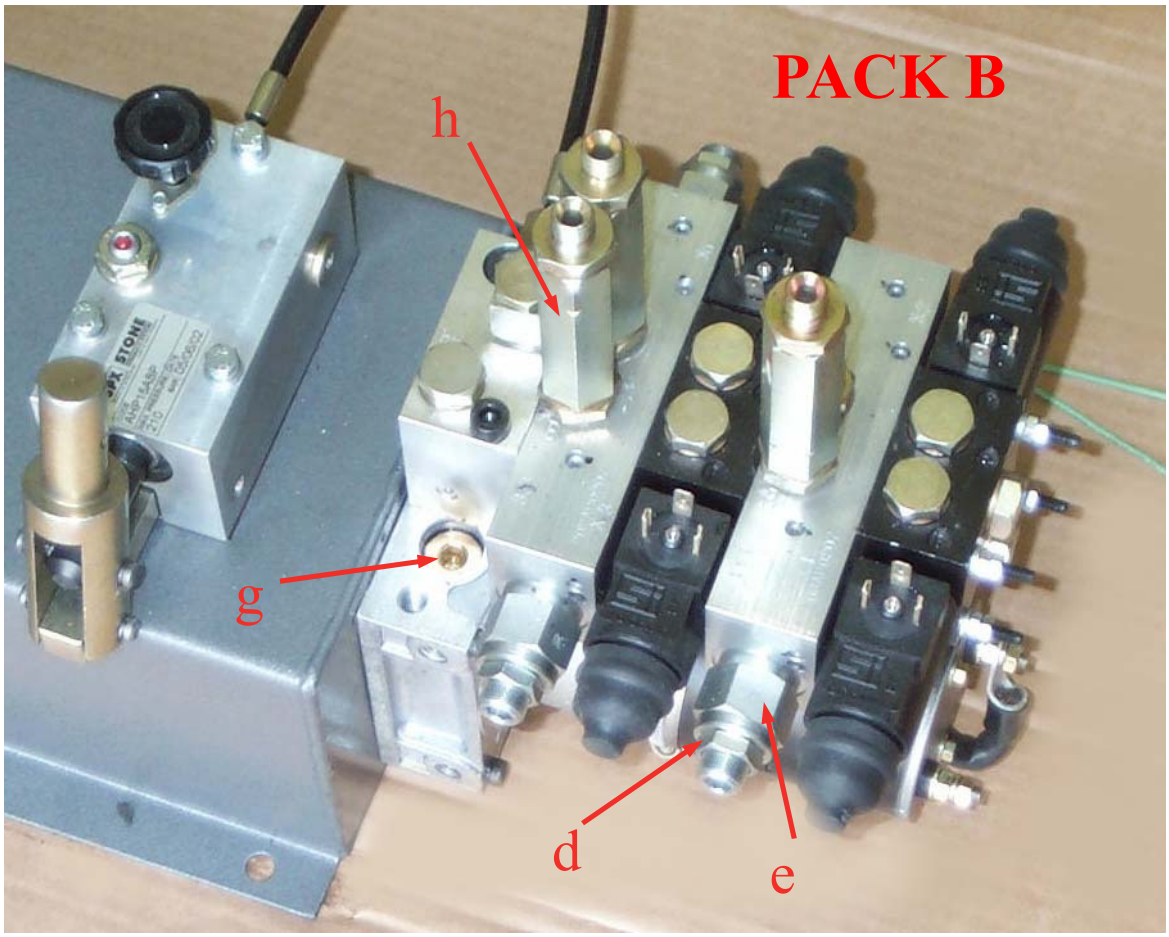

d
e
h
PACK A


PACK B
h

Crane struggles to rotate or rotates slowly

No.	Cause	Diagnosis & Remedy
1	Low system pressure	Use gauge on port (Part f) to check pressure by operating crane on function at upper or lower extent. Pressure should be 2000 psi. . Pack A If pressure is low remove locking cap (Part j) with 26mm spanner . Turn inner slotted screw clockwise by 1/2 turn. Check pressure and replace locking nut. Pack B If pressure is low turn relief valve (Part g) clockwise to increase pressure. Note: plastic ball must be removed first then use 8mm hex key.
2	Flow control valve malfunctioning	Call Cooney Marine to obtain replacements of a large bore size (Part h). Note: this will increase the slew speed slightly.
3	Filter blockage.	Contact Cooney Marine for filter cleaning procedure.
4	Electronic Relief Valve	This can be disconnected to allow full flow rate on slew. Note: slew speed may increase. (Part i)
5	Pump or Actuator failure	If items 1-4 are ok then it is possible that the pump or actuator may have failed. Contact Cooney Marine for advice and replacements.


i
j
PACK A


PACK B
h
g
d
e

Appendix A

Certificates of Conformity

1. ***Radio receiver***
2. ***Radio transmitter***

Nemko Alflab

CERTIFICATE N°018610/96

According to Council Directive 89/336/EEC - article 10(2)

CLIENT	: *Prastel Srl* *Via del Vetraio, 7* *40138 BOLOGNA BO*
PRODUCT	: *RECEIVER*
PRODUCT MANUFACTURER	: *see Client*
PRODUCT DESCRIPTION	:*MOD. MPS RBE* *MOD. RS RBE* *MOD. BIX LB* *MOD. MPS RB50E* *MOD. RS RB50E* *MOD. BIX LK22*
TECHNICAL CONSTRUCTION FILE	: *PRAST_11.TCF dated 31/08/1996*

The above mentioned products comply with the essential requirements of the Council Directive 89/336/EEC.

Biassono, 1996-10-14

MANAGING DIRECTOR

(M.Corno)

NEMKO ALFLAB S.p.A. is Competent Body for EMC Directive 89/336/EEC

NEMKO ALFLAB S.p.A. Via Trento e Trieste 116 - 20049 BIASSONO (MI) Tel. +39 39 481656 Fax +39 39 482080

Quick

DICHIARAZIONE DI CONFORMITA'

(DECLARATION OF CONFORMITY)

Costruttore (Manifacturer) : QUICK s.n.c. di Marzucco Michele e Peduto Alfonso
Indirizzo (Address) : Viale dei mille 26 - Marina di Ravenna - (RA) Italia

DICHIARA CHE IL SEGUENTE APPARATO

(DECLARES THAT THE FOLLOWING EQUIPMENT)

Nome dell'apparato	: Radiocomando Multipass
(Equipmant name)	: Radio control Multipass
Tipo di apparato	: Trasmettitore
(Type of equipment)	: Transmitter
Modello	: Tx(02;04;302;304;306;308;310)
(Model)	: Tx(02;04;302;304;306;308;310)
Modello	: Rx(1302;1304;1306;1308;1310)
(Model)	: Rx(1302;1304;1306;1308;1310)
Anno di costruzione	: 1995
(Year of manufacture)	: 1995

E' CONFORME AI REQUISITI ESSENZIALI DELLE SEGUENTI NORME:
(IS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:)

Norme armonizzate :
(Harmonized standards :)

EN	55022
ENV	50140
ENV	50141
ENV	50142
IEC	1000-4-2
IEC	1000-4-4
IEC	1000-4-11

INTERNATIONAL MARINE SUPPLIES
13 CADMAN WAY
CORRINGHAM ROAD IND. EST
GAINSBOROUGH, LINCS
DN21 1QB
TEL. (01427) 617645
FAX. (01427) 617590

Lapparato e' stato provato nella configurazione tipica di installazione e con periferiche conformi alle Direttive EMC 89/336/CEE,92/31/CEE,93/68/CEE.
(The equipment has been tested in typical configuration of installation and with peripherals which conform to the 89/336/EEC,92/31/EEC,93/68/EEC EMC Directives.)

Io sottoscritto dichiaro che l'apparato sopra definito soddisfa i requisiti essenziali di protezione della Direttiva EMC 89/336/CEE,92/31/CEE,93/68/CEE.
(I hereby declare that the above specified equipment conform to the 89/336/EEC,92/31/EEC,93/68/EEC EMC Directives.)

Luogo / Place Marina di Ravenna

Data / Date 10/01/96

Alfonso Peduto
(nome in chiaro / name)

(firma / signature)

Quick s.n.c. viale dei mille 26 48023 Marina di Ravenna (RA) Italy tel.0544-531713 fax 0544-531700

Appendix B

1 *Product Specification Table*
2 *Test Procedures and Checklist*
3 *Hose Assembly test Certificate*
4 *Packing Checklist*

Product Specifications

TYPE	MODEL	REACH	LIFT	TEST Wt. Full envelope	SLEW STGTH At jib end	SLEW SPEED At SWL full env.
Passarelle	TCP1.8	1830	200 kg	300 kg		
	TCP2.25	2245	200 kg	300 kg		
	TCP2.5	2495	200 kg	300 kg		
	TP2.75	2782	300 kg	420 kg		
Crane Passarelle	CP190P200	1695	200 kg	300 kg	22-27 kg	25/30S to 180 deg
	CP190P275	1695	275 kg	400 kg	30-37 kg	25/30S to 180 deg
	CP190P300	1695	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	CP190B200	1695	200 kg	300 kg	22-27 kg	25/30S to 180 deg
	CP190B300	1695	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	CP220P200	1895	200 kg	300 kg	22-27 kg	25/30S to 180 deg
	CP220P275	1895	275 kg	400 kg	30-37 kg	25/30S to 180 deg
	CP220P300	1895	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	CP220B200	1895	200 kg	300 kg	22-27 kg	25/30S to 180 deg
	CP220B300	1895	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	CP250P275	2015	275 kg	400 kg	30-37 kg	25/30S to 180 deg
	CP250P300	2015	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	CP250B300	2015	300 kg	420 kg	30-37 kg	25/30S to 180 deg
Fixed Beam Crane	CF200P200	2015	200 kg	300 kg	22-27 kg	25/30S to 180 deg
	CF200P275	2015	275 kg	400 kg	30-37 kg	25/30S to 180 deg
	CF200P300	2015	350 kg	450 kg	30-37 kg	25/30S to 180 deg
	CF200B200	2015	200 kg	300 kg	22-27 kg	25/30S to 180 deg
	CF200B300	2015	350 kg	450 kg	30-37 kg	25/30S to 180 deg
Ext. beam Crane	CE200P200	2009	250 kg	350 kg	22-27 kg	25/30S to 180 deg
	CE200B200	2009	250 kg	350 kg	22-27 kg	25/30S to 180 deg
	CE250P300	2477	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	CE250B300	2477	300 kg	420 kg	30-37 kg	25/30S to 180 deg
Ext. Crane Passerelle	ECP300P300	3000	300 kg	420 kg	30-37 kg	25/30S to 180 deg
	ECP300B300	3000	300 kg	420 kg	30-37 kg	25/30S to 180 deg

NOTE: Slew strength and speed are given as a guide only. Environmental changes may alter readings.

Test & Quality Checklist

MODEL TYPE		CUST. ORDER No.	
PART No.		CRANE SERIAL No.	
CUSTOMER			
SERIAL No's	POWER PACK	ROTARY ACT.	
	LIFT RAM	QUICK RGM	

Final Build Crane Tests	Check	Sign
1. Weight test over full working envelope (5 cycles)		
2. Slew strength at jib end (where applicable)		
3. Slew speed at S.W.L. over full working envelope (where applicable)		

Quality Checklist		
1. All packing clearly marked with delivery address		
2. Parked in stowed position and clearly marked		
3. Power Pack electric box labelled		
4. Hoses and wires labelled		
5. Thrust race bolts adjusted and marked (where applicable)		
6. Hose Certificate filled out		
7. ID plate fitted with correct Serial No.		
8. Wood condition and sealant on decking (where applicable)		
9. Hydraulic pressure set to 150 bar and checked for leaks		
10. Screw fixings tight (end bosses)		
11. Spiro banding fitted to hydraulic pipes		
12. Stanchion ropes tight and neatly crimped (where applicable)		
13 Paint Quality, no runs or thin patches (where applicable)		
14. Finish Quality (No scratches or marks)		

Packing list

1. Crane/Passarelle/Crane passarelle main body		
2. Rotary actuator assembly (deck mounted cranes/crane pass. only)		
Box Containing		
3. Power pack		
4. Electric control pack		
5. Quick remote Transmitter & receiver (with Cooney stickers)		
6. 2 of 30mm Deck glands		
7. Hand pump handle (shortened by 130 mm)		
8. 5 litres of Hydraulic fluid		
9. Instruction manual (with relevant sections filled in)		
10 Spacer on actuator (deck mounted Cranes/Crane Passarelles)		
11. Stanchion set (Passarelles and Crane Passarelles only)		
12. Backing ring (for pedestal versions only)		

Pre-delivery Inspection	
Delivery Note No.	
Delivery Date	

Component Test Certificate

COMPONENT	TEST	PASS	FAIL	SINGNA-TURE	DATE

Notes