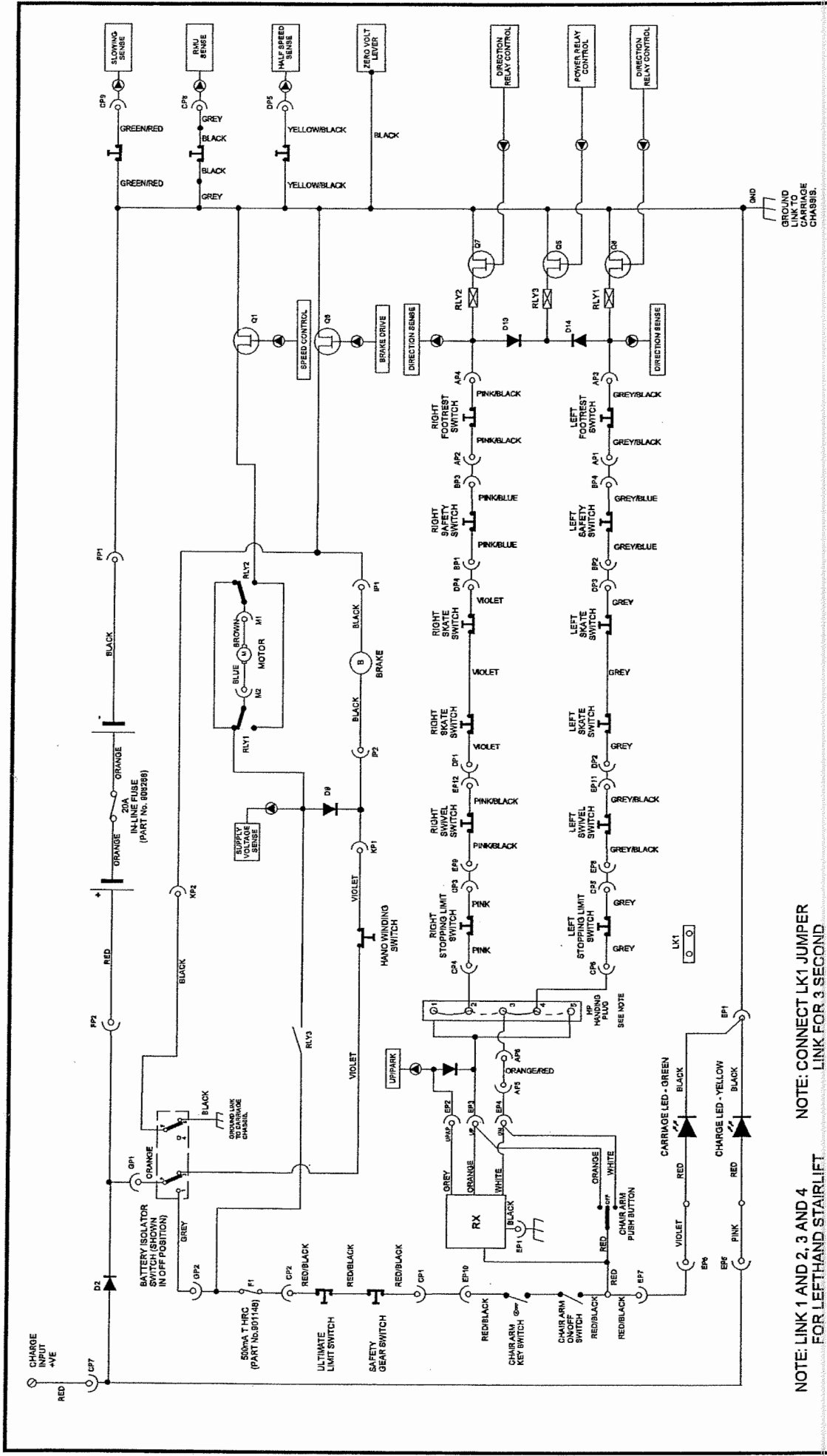


**260 INSTALLATION
APPRECIATION &
COMMISSIONING DRAWINGS &
DIAGRAMS**



DRG TITLE : 260 KEY WIRING DIAGRAM

Stamman
Stairlifts

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DRAWN BY :	P. COOK	DATE :	3/7/00
CHECKED BY :		DATE :	
PSM :	M	DRAWING NUMBER :	2609001
REV :			

NOTE: LINK 1 AND 2, 3 AND 4 FOR LEFTHAND STAIRLIFT
LINK 2 AND 3, 4 AND 5 FOR RIGHTHAND STAIRLIFT.

NOTE: CONNECT LK1 JUMPER LINK FOR 3 SECOND DELAY ON START.

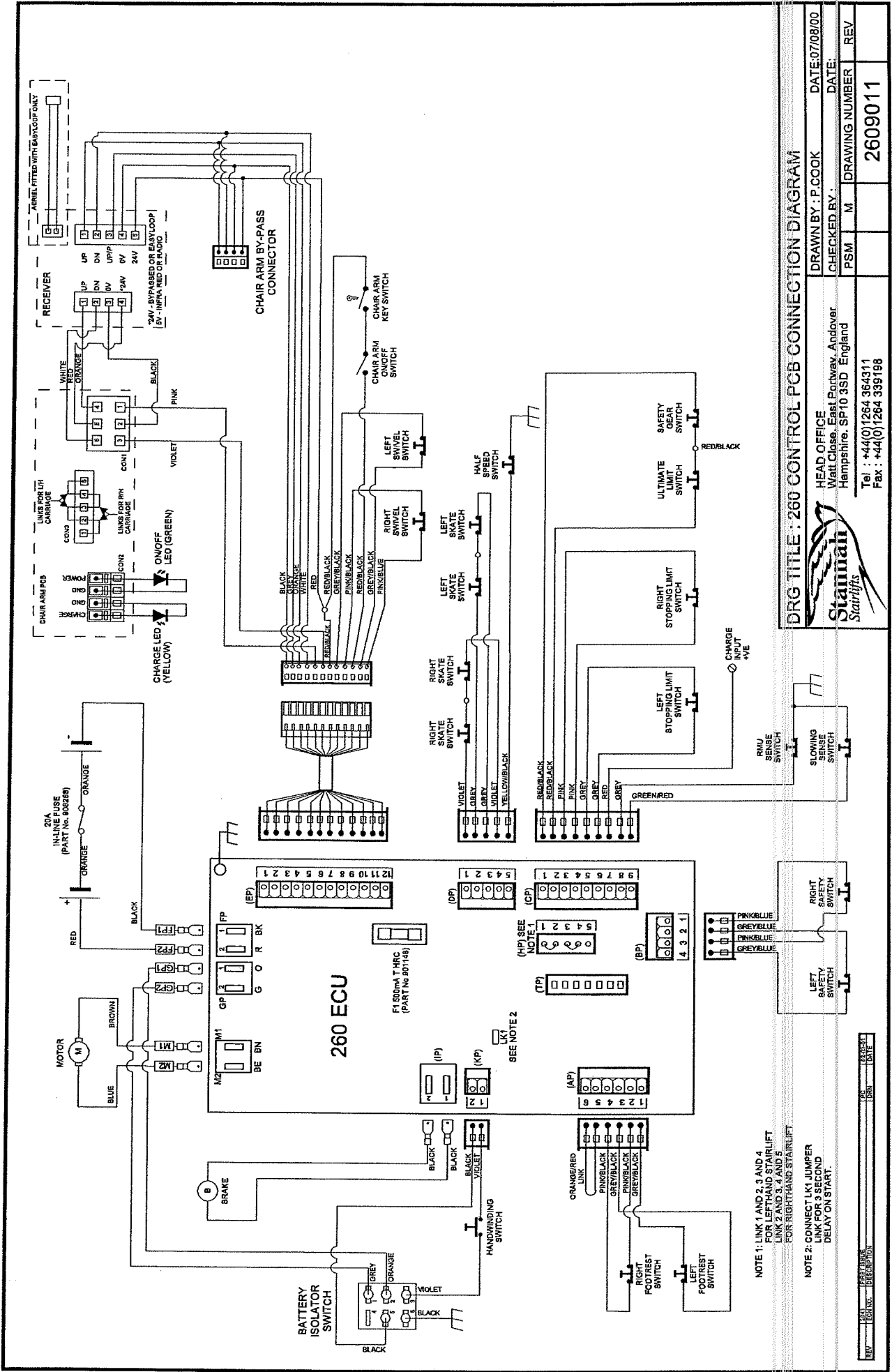
REV	REV NO	DESCRIPTION	BY	DATE

CONTROL PCB TO JUMPER SOCKET CONNECTIONS

PUSH ON CONNECTIONS

PULL TERMINAL CONNECTIONS

CONNECTIONS TO THE MOTOR/SP

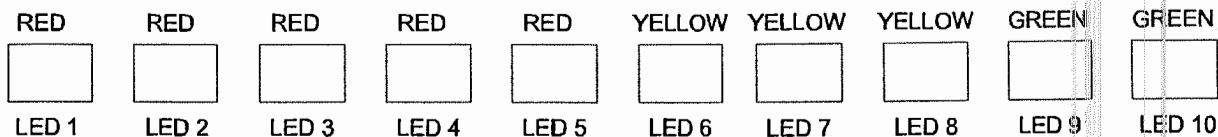


DRG TITLE : 260 CONTROL PCB CONNECTION DIAGRAM

DATE: 07/08/00	DATE: 07/08/00
CHECKED BY: PSM	CHECKED BY: PSM
DRAWING NUMBER: M	DRAWING NUMBER: M
REV: 2609011	REV: 2609011



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LED 1 - FAIL LED (RED) : WILL ACTIVATE UNDER THE FOLLOWING CONDITIONS-
 : RELAY 3 (K3) CONTACT WELD,
 : RELAY 1 AND 2 (K1,K2) CONTACT WELD.
 : DIRECTION INPUT SHORT CIRCUIT ON CONTROL PCB
 (NOT WIRING LOOM)
 : Q1 FAILURE
 : Q2 FAILURE
 : MOTOR DISCONNECTED/OPEN CIRCUIT

LED 2 - LOW VOLTAGE LED (RED) : WILL ACTIVATE WHEN SUPPLY VOLTAGE
 (WHEN RUNNING UNDER LOAD) IS < 20V.

LED 3 - CURRENT LIMIT LED (RED) : WILL ACTIVATE WHEN LIFT STALLS OR
 DRAWS EXCESSIVE RUN CURRENT (>18A).

LED 4 - BRAKE LED (RED) : WILL ACTIVATE IF THERE IS A BRAKE FAULT OR IT IS
 NOT CONNECTED, OR IF Q6 IS SHORT CIRCUIT.

LED 5 - RMU LED (RED) : WILL ACTIVATE WHEN THE RMU SWITCH OPERATES
 AND WILL BE CONTINUALLY ON IF THE RMU HAS TRIPPED.

LED 6 - HALF SPEED SWITCH LED (YELLOW) : WILL ACTIVATE WHEN THE LIFT
 IS IN HALF SPEED I.E. TRAVELLING ON INSIDE BEND RAIL
 SECTION.

LED 7 - SLOW SWITCH LED (YELLOW) : WILL ACTIVATE WHEN THE SLOWING
 SWITCH OPERATES.

LED 8 - CALL EXISTS (YELLOW) : WILL ACTIVATE WHEN A CALL HAS BEEN
 PLACED AND RECEIVED AT THE CONTROL PCB.

LED 9 - PIC DIAGNOSTIC LED (GREEN) : WILL PULSE ONCE PER SECOND.
 INDICATING CORRECT SOFTWARE OPERATION.

LED 10 - 5V LED (GREEN) : INDICATES ACTIVE 5V SUPPLY.

NOTE : LEDS 1-9 WILL FLASH ONCE WHEN THE ECU IS POWERED ON (LED CHECK)

REV	2043	FIRST ISSUE	PC	02-03-01
	ECN NO.	DESCRIPTION	DRN	DATE

DRG TITLE : 260 DIAGNOSTIC LED DIAGRAM



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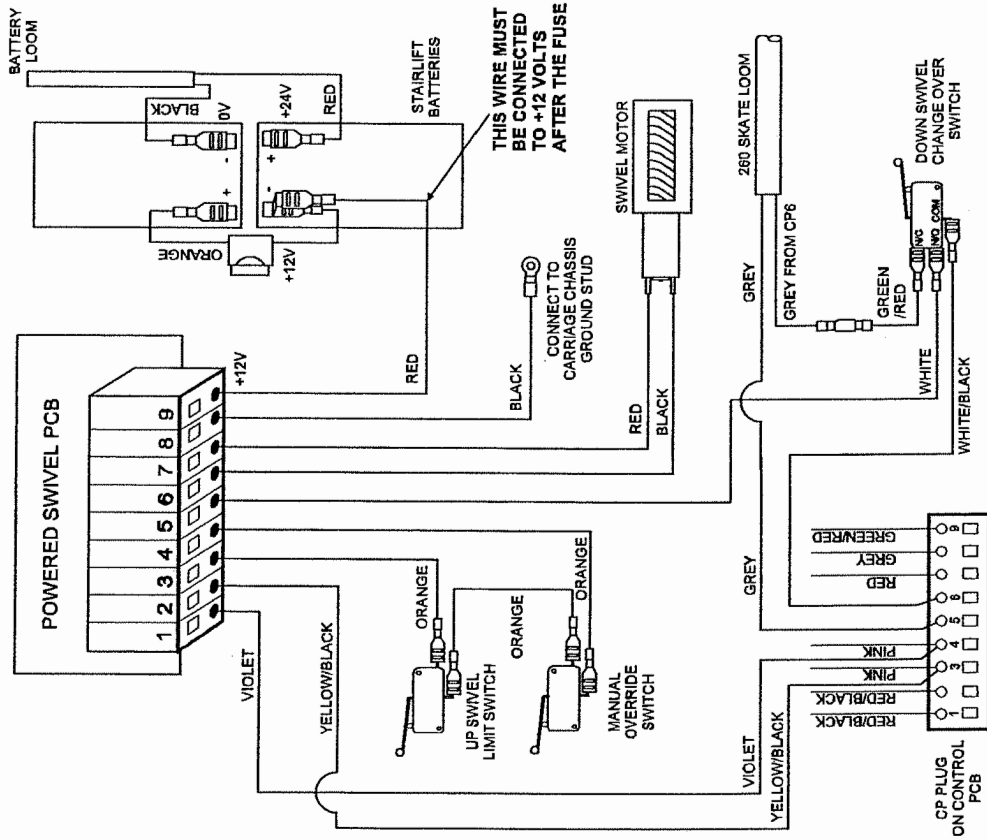
DRAWN BY : P.COOK DATE: 14/07/00

CHECKED BY : DATE:

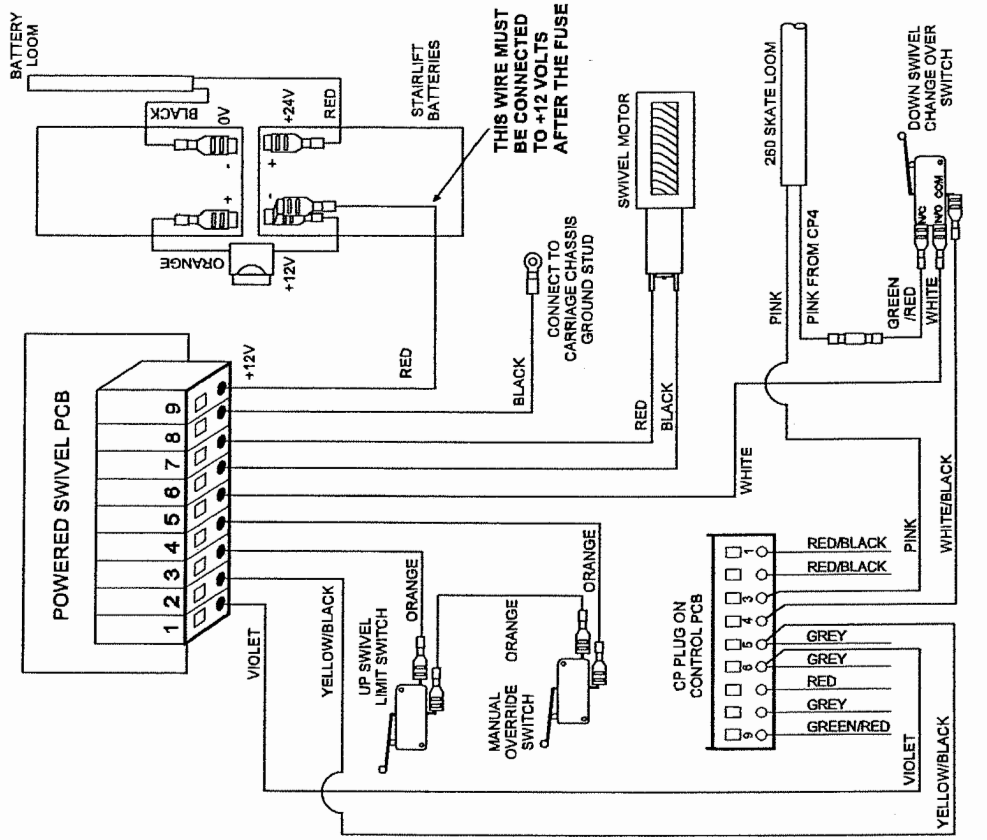
PSM	M	DRAWING NUMBER	REV
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2609010

LEFT HAND CARRIAGE



RIGHT HAND CARRIAGE

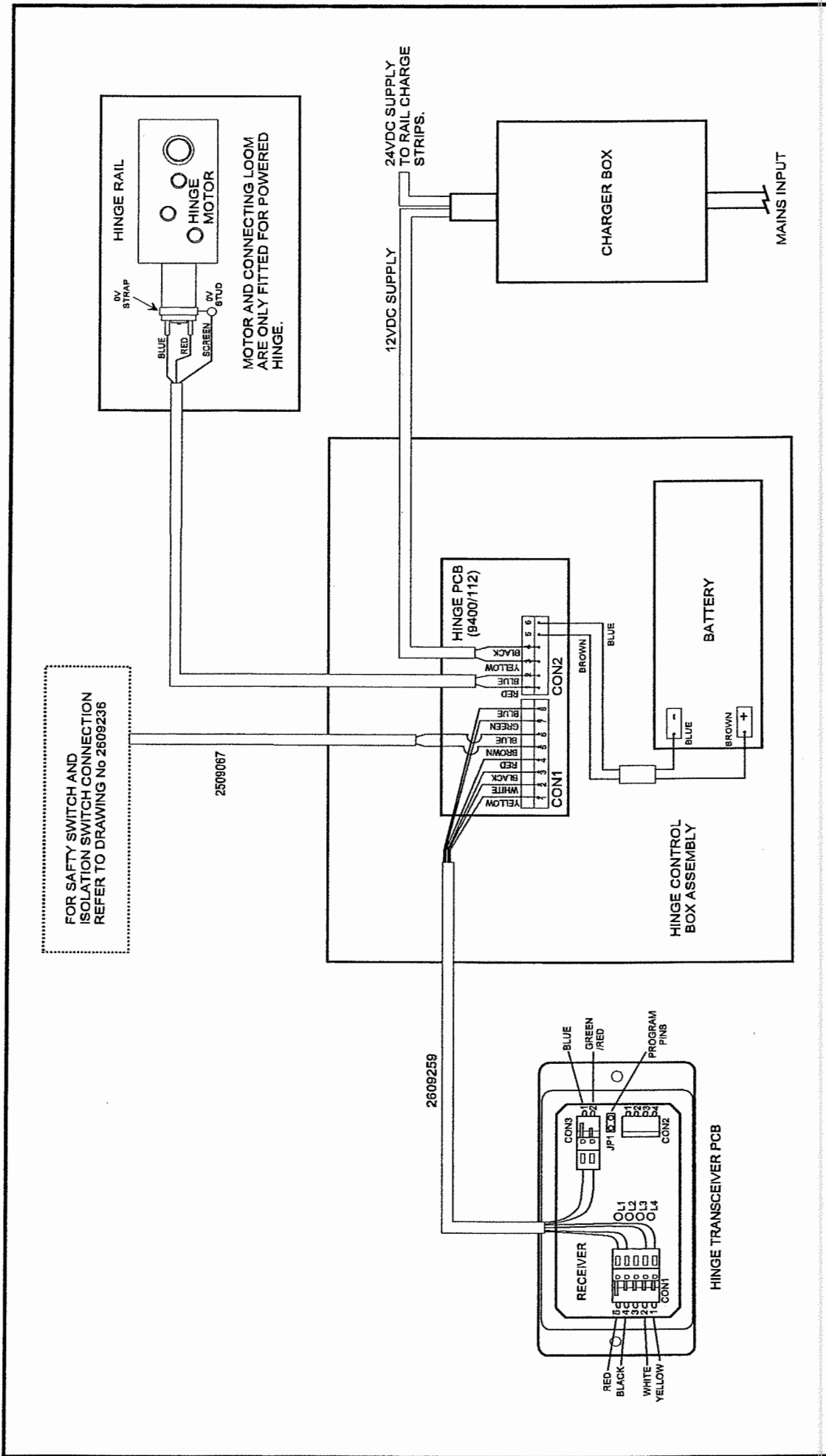


DRG TITLE : 260 POWERED SWIVEL CONNECTION DIAGRAM

DRAWN BY : R.CHEENERY	DATE: 05-02-01			
CHECKED BY :				
HEAD OFFICE Walsley, Castle Park, Walsley, Walsley, Walsley				
Hampton, SP10 3SD, England				
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Fax : +44(0)1264 338186				
M	IM	KB	DRAWING NUMBER	REV
			2609109	A



REV	DATE	BY	CHKD



DRG TITLE : 260 STAIRLIFT ISOLATION OPTION CONNECTION DIAGRAM (PCB 9400/112)

HEAD OFFICE	DATE: 25/01/01
Wash, Glass, E	CHECKED BY: M.HILL
Hampshire, SP10 3SD, England	DATE: 25/01/01
Tel : +44(0)1264 384311	M IM KB
Fax : +44(0)1264 338188	DRAWING NUMBER
	REV
	A



REV	DATE	BY	CHKD



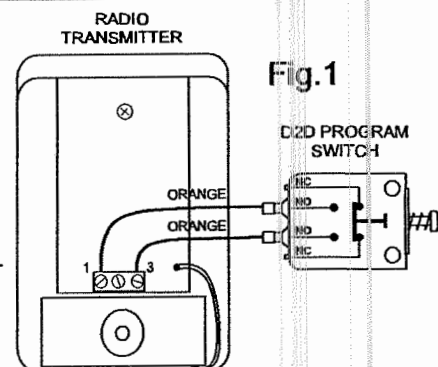
YOU MUST WEAR AN EARTH STRAP WHILE HANDLING PCBs

Programming Method for Standard Rail Radio (868/916MHz) inc. Attendant / Intermediate Controls

- 1 Connect a PP3 battery to each transmitter.
- 2 Ensure carriage is switched off using carriage isolator switch.
- 3 Connect chair loom to CON1 (refer to 2609106) and a jumper plug to JP1 on receiver pcb.
- 4 Switch on carriage using carriage isolator switch, check receiver green led flashes once.
- 5 Press either button on a transmitter for 3 seconds, check receiver green led flashes.
- 6 Repeat step 5 for all transmitters.
- 7 Switch off carriage using carriage isolator switch, and remove jumper plug from JP1 on receiver pcb.
- 8 Switch on carriage using carriage isolator switch.
- 9 Check operation of all transmitters, and operation of stairlift and safety edges.

Programming Method for Manual Hinge Radio (868MHz only) inc. Attendant / Intermediate Controls

- 1 Connect D2D enable program switch (908130) to one transmitter, with link wire (3009123) as in Fig.1. (link wire to be cut in half).
- 2 Connect a PP3 battery to each transmitter.
- 3 Switch off hinge pcb & connect as drgs 2609245 / 2609246.
- 4 Disconnect CON3 loom from hinge transceiver pcb.
- 5 Connect a jumper plug to JP1 on hinge transceiver pcb.
- 6 Ensure carriage is switched off using carriage isolator switch.
- 7 Connect chair receiver as drg 2609106 and fit jumper plug to JP1.
- 8 Switch on carriage isolator, chair receiver green led will flash once.
- 9 Switch on hinge pcb, hinge transceiver green led will flash once.
- 10 Press either button on a transmitter for 3 seconds, chair receiver green led flashes.
- 11 Repeat previous step for all transmitters.
- 12 Fully depress D2D enable program switch for 3 secs, hinge transceiver green led flashes.
- 13 Switch off carriage isolator switch, and switch off hinge pcb.
- 14 Remove jumper plugs from JP1 pins on receiver pcb and hinge transceiver pcb.
- 15 Reconnect CON3 loom to hinge transceiver pcb.
- 16 Remove D2D enable program switch wires from transmitter, this switch is no longer required.
- 17 Switch on carriage using carriage isolator switch, and switch on hinge pcb switch.
- 18 Check operation of all transmitters, operation of stairlift and safety edges, and hinge interlocking with carriage (if hinge is raised carriage must not travel).



Programming Method for Powered Hinge Radio (868MHz only) inc. Attendant / Intermediate Controls

- 1 Connect wires of hinge buttons to transmitters as drawing 2609263.
- 2 Connect a PP3 battery to each transmitter.
- 3 Ensure hinge pcb is switched off and connected as drawings 2609245 / 2609246.
- 4 Disconnect CON3 loom, and connect a jumper plug to JP1 on hinge transceiver pcb.
- 5 Ensure carriage is switched off using carriage isolator switch.
- 6 Connect looms to CON1 and CON2 (refer to 2609106) and jumper plug to JP1 on chair receiver pcb.
- 7 Switch on carriage using carriage isolator, chair receiver green led will flash once.
- 8 Switch on hinge pcb switch, hinge transceiver green led will flash once.
- 9 Press either button on a transmitter/hinge buttons for 3 seconds, check receiver & hinge transceiver green leds flash.
- 10 Repeat previous step for all transmitters and all hinge buttons.
- 11 Switch off carriage using carriage isolator switch, and switch off hinge pcb switch.
- 12 Remove jumper plugs from JP1 pins on receiver pcb and hinge transceiver pcb.
- 13 Reconnect CON3 loom to hinge transceiver pcb.
- 14 Switch on carriage using carriage isolator switch, and switch on hinge pcb switch.
- 15 Check operation of all transmitters, operation of stairlift and safety edges, hinge operation, and hinge interlocking with carriage (if hinge is raised carriage must not travel).

A	2435	MANUAL HINGE PROGRAM SWITCH DETAILS CHANGED	RMC	18-08-04
	2295	FIRST ISSUE	RMC	29-09-03
REV	ECN NO.	DESCRIPTION	DRN	DATE

DRG TITLE : 260 RADIO PROGRAMMING INSTRUCTIONS 868/916MHZ



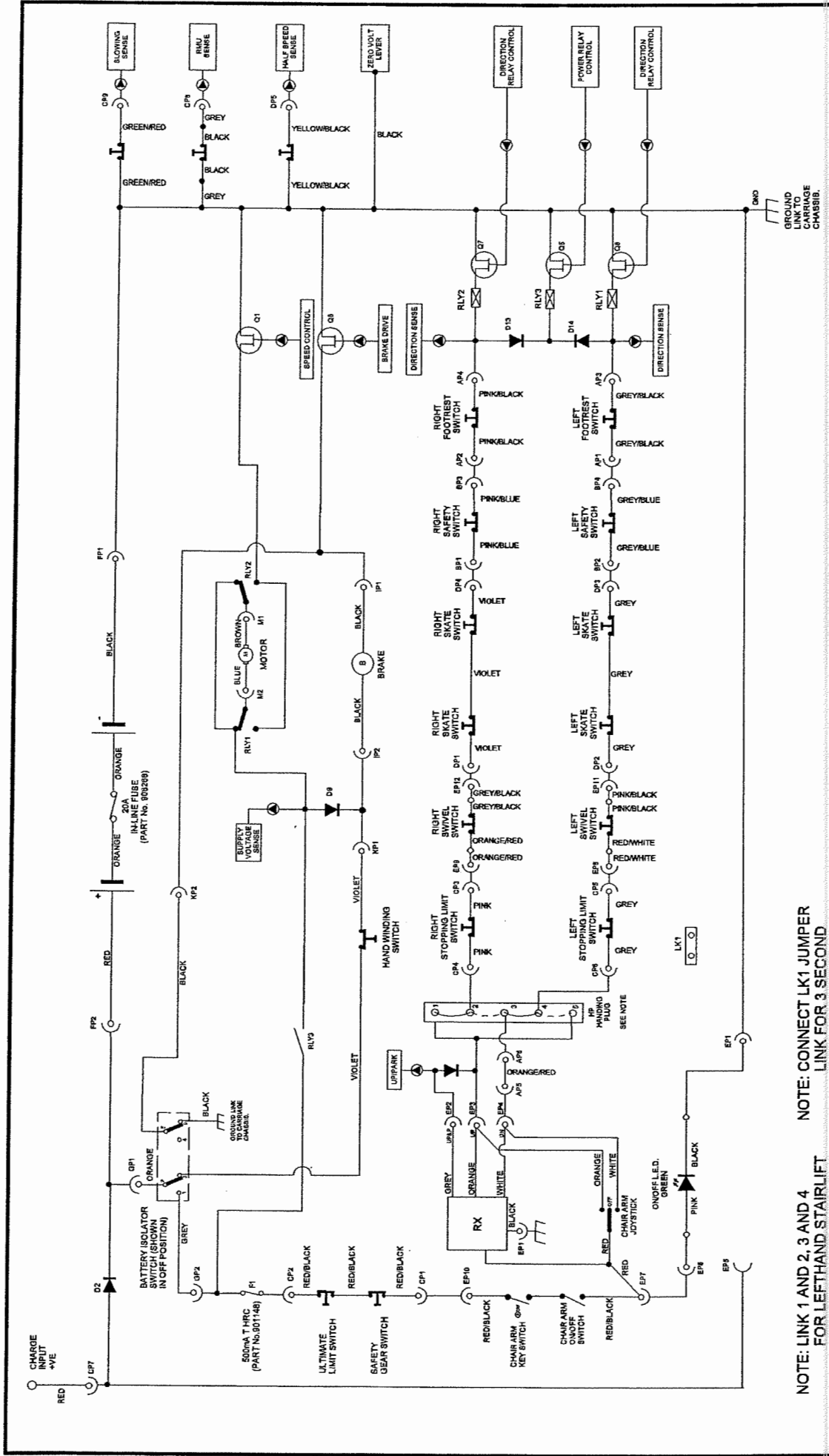
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DRAWN BY : R.CHENERY DATE: 29-09-03

CHECKED BY : DATE:

M	IM	KB	DRAWING NUMBER	REV
			2609324	A



NOTE: LINK 1 AND 2, 3 AND 4 FOR LEFTHAND STAIRLIFT
 LINK 2 AND 3, 4 AND 5 FOR RIGHTHAND STAIRLIFT.

NOTE: CONNECT LK1 JUMPER LINK FOR 3 SECOND DELAY ON START.

DRG TITLE : 260 CARRIAGE TO SAXON CHAIR KEY WIRING DIAGRAM

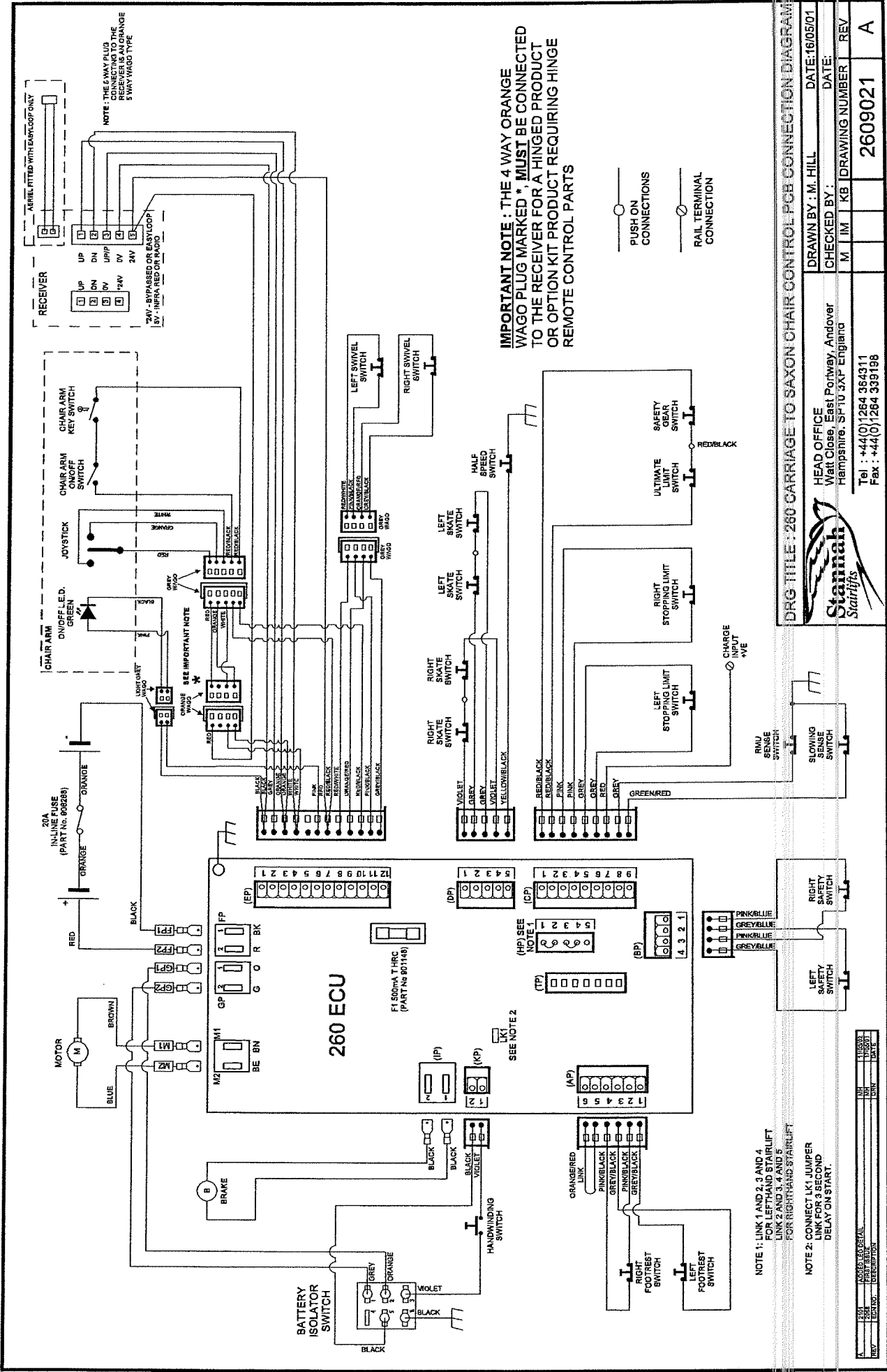
HEAD OFFICE: Watt Close, East Parkway, Andover, Hampshire, SP10 3SD, England
 Tel : +44(0)1264 364311
 Fax : +44(0)1264 339198

Stannan Stairlifts

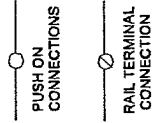
DRAWN BY: M.HILL DATE: 15/05/01
 CHECKED BY: M IM KB DRAWING NUMBER: REV: A

REV	DATE	BY	CHKD	DESCRIPTION
A		M.HILL	KB	ISSUED FOR PRODUCTION

PUSH ON CONNECTIONS
 CONTROL PCB JUMPER SOCKET CONNECTIONS
 RAIL TERMINAL CONNECTIONS TO THE MOTORSHIP



IMPORTANT NOTE: THE 4 WAY ORANGE WAGO PLUG MARKED * MUST BE CONNECTED TO THE RECEIVER FOR A HINGED PRODUCT OR OPTION KIT PRODUCT REQUIRING HINGE REMOTE CONTROL PARTS



DRG TITLE: 260 CARRIAGE TO SAXON CHAIR CONTROL PCB CONNECTION DIAGRAM

DATE: 16/05/01

DRAWN BY: M. HILL

CHECKED BY: M. IM

DATE: 16/05/01

REVISION: 2609021

REV: A

HEAD OFFICE: East Parkway, Andover, Hampshire, SP10 3XP, England

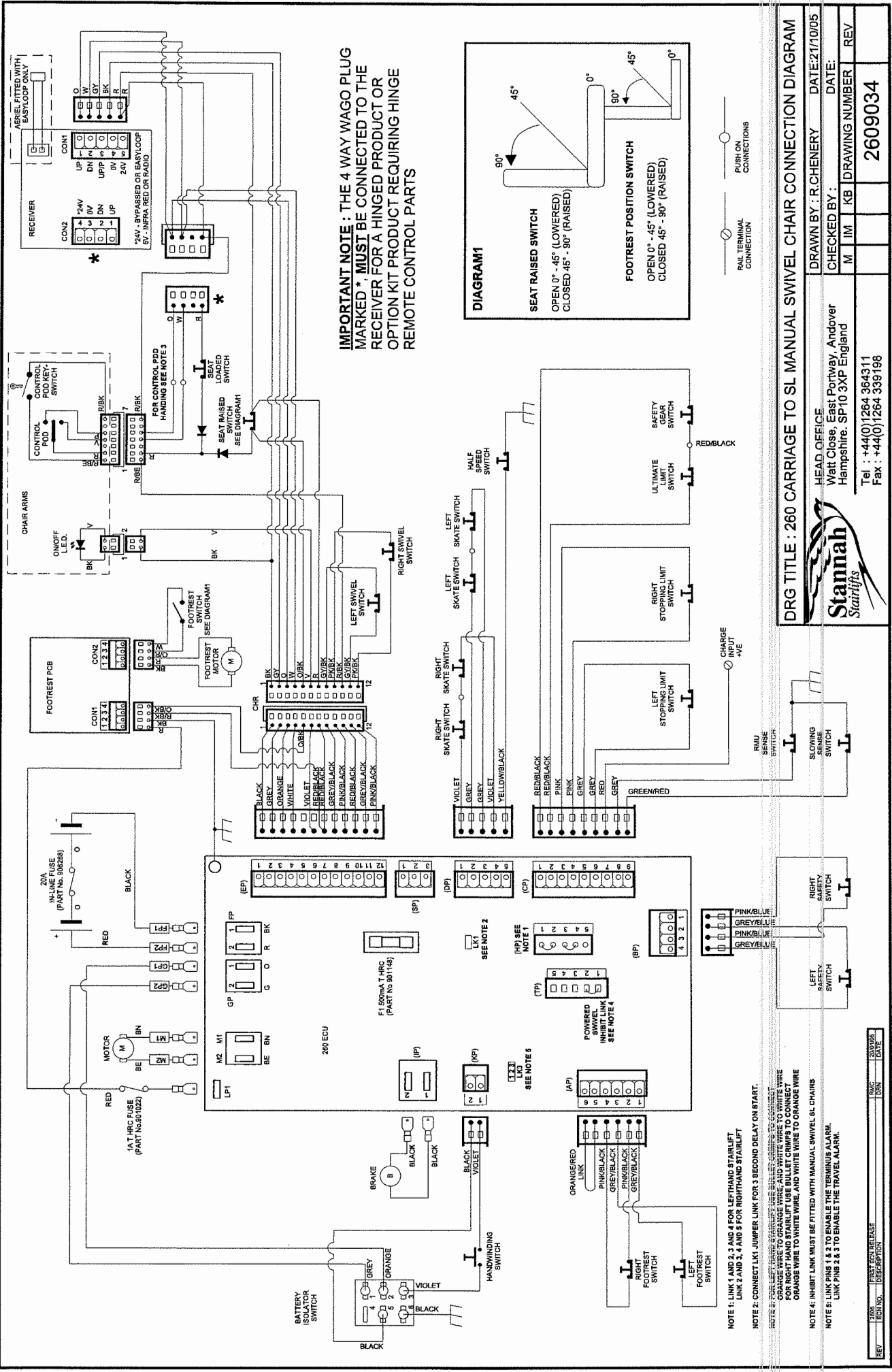
Tel: +44(0)1264 364311

Fax: +44(0)1264 339198

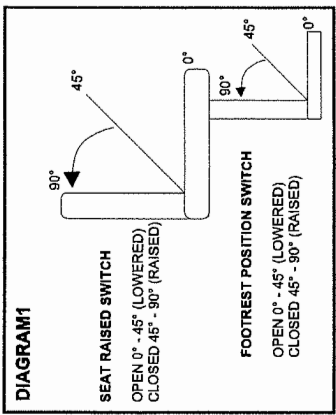
NOTE 1: LINK 1 AND 2, 3 AND 4 FOR LEFT HAND STAIRLIFT LINK 2 AND 3, 4 AND 5 FOR RIGHT HAND STAIRLIFT

NOTE 2: CONNECT LK1 JUMPER LINK FOR 3 SECOND DELAY ON START.

REV	DATE	BY	CHKD
A	16/05/01	M. HILL	M. IM



IMPORTANT NOTE : THE 4 WAY WAGO PLUG MARKED * MUST BE CONNECTED TO THE RECEIVER FOR A HINGED PRODUCT OR OPTION KIT PRODUCT REQUIRING REMOTE CONTROL PARTS



RAIL TERMINAL CONNECTION
 PUSH ON CONNECTIONS

- NOTE 1: LINK 1 AND 2, 3 AND 4 FOR LEFTHAND STAIRLIFT LINK 2 AND 3, 4 AND 5 FOR RIGHTHAND STAIRLIFT
- NOTE 2: CONNECT L1, JUMPER LINK FOR 3 SECOND DELAY ON START.
- NOTE 3: FOR LEFT HANDED STAIRLIFT USE BLUE WIRE TO CONNECT ORANGE WIRE TO ORANGE WIRE AND WHITE WIRE TO ORANGE WIRE. ORANGE WIRE TO WHITE WIRE, AND WHITE WIRE TO ORANGE WIRE.
- NOTE 4: INHIBIT LINK MUST BE FITTED WITH MANUAL SWIVEL CHAIRS
- NOTE 5: LINK PINS 1 & 2 TO ENABLE THE TERMINUS ALARM. LINK PINS 2 & 3 TO ENABLE THE TRAVEL ALARM.

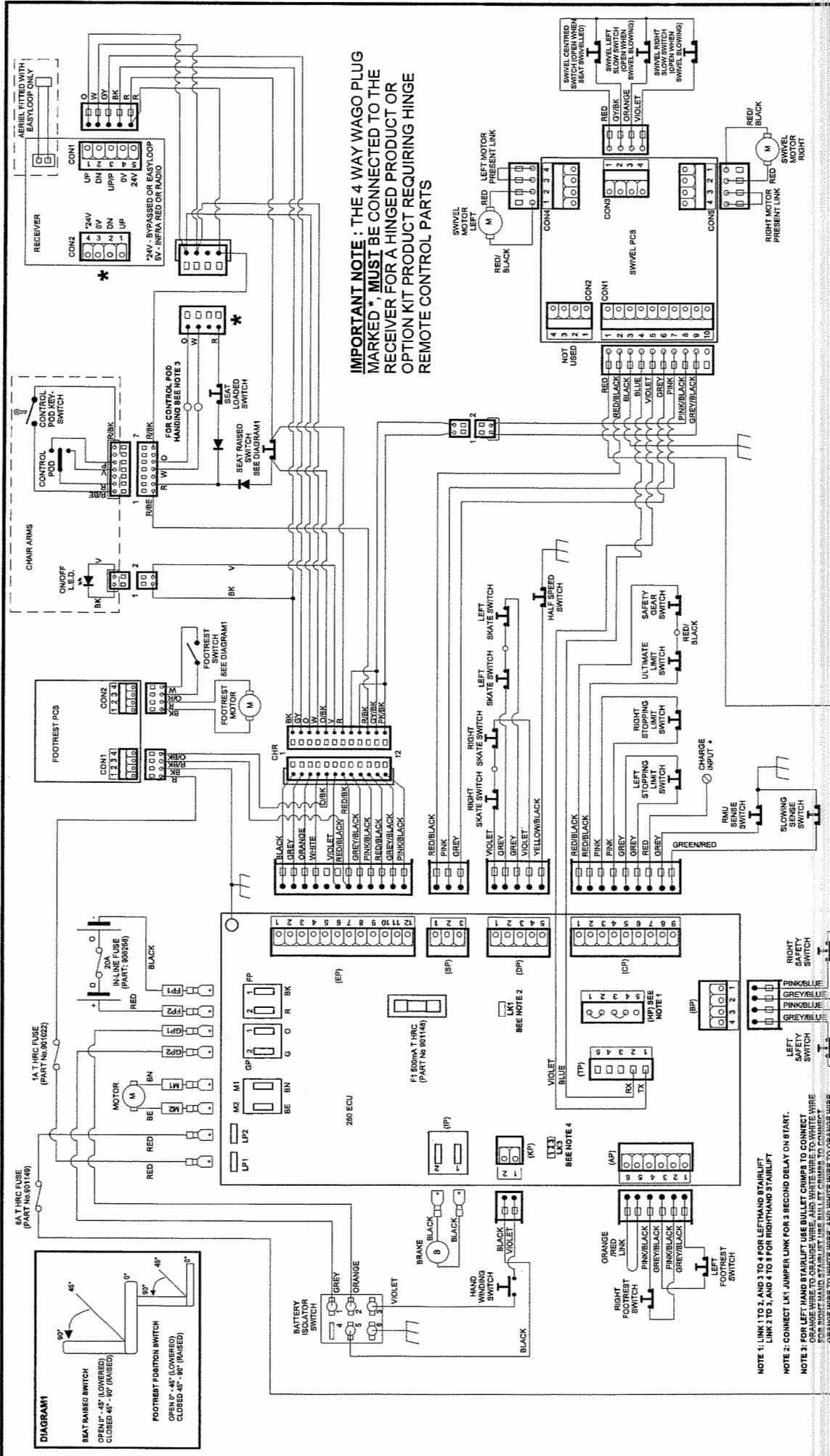
DRG TITLE : 260 CARRIAGE TO SL MANUAL SWIVEL CHAIR CONNECTION DIAGRAM

Stannah
Stairlifts

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DRAWN BY: R.CHENERY DATE: 21/10/05
 CHECKED BY: DATE:
 M IM KB DRAWING NUMBER REV
 2609034

REV	ESN NO.	DATE	DESCRIPTION



IMPORTANT NOTE : THE 4 WAY WAGO PLUG MARKED * MUST BE CONNECTED TO THE RECEIVER FOR A HINGED PRODUCT OR OPTION KIT PRODUCT REQUIRING HINGE REMOTE CONTROL PARTS

- NOTE 1: LINK 1 TO 2, AND 3 TO 4 FOR LEFTHAND STAIRLIFT
LINK 2 TO 3, AND 4 TO 5 FOR RIGHTHAND STAIRLIFT
- NOTE 2: CONNECT LK1 JUMPER LINK FOR 3 SECOND DELAY ON START.
- NOTE 3: FOR LEFT HAND STAIRLIFT USE BULLET CRIMPS TO CONNECT ORANGE WIRE TO ORANGE WIRE, AND WHITE WIRE TO WHITE WIRE. FOR RIGHTHAND STAIRLIFT USE BULLET CRIMPS TO CONNECT ORANGE WIRE TO WHITE WIRE, AND WHITE WIRE TO ORANGE WIRE.
- NOTE 4: LINK PINS 1 & 2 TO ENABLE THE TERMINUS ALARM.
LINK PINS 2 & 3 TO ENABLE THE TRAVEL ALARM.

DRG TITLE : 260 CARRIAGE TO SL POWERED SWIVEL CHAIR CONNECTION DIAGRAM

DATE: 21/10/05

DRAWN BY: R.CHENERY

CHECKED BY: M IM KB

DATE: 26/09/05

DRAWING NUMBER: 2609035

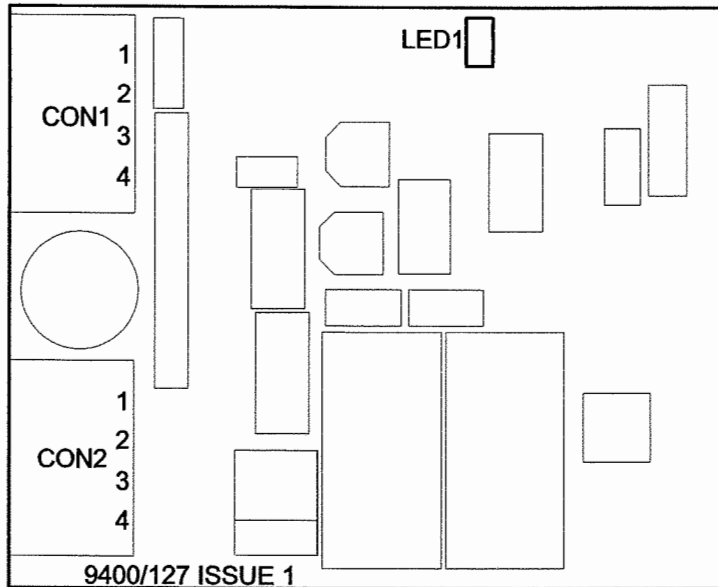
REV: A

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Stairlifts

REV	DATE	BY	DESCRIPTION
1	2005	RM	ISSUED AS WORKING COPY
2	2005	RM	FIRST EX RELEASE
3	2005	RM	REVISED POSITION
4	2005	RM	REVISED POSITION



LED 1 (GREEN) NORMAL OPERATION:

LED pulses once every 2 seconds: footrest pcb functioning

LED flashes once for 1 second: current sense stop detected

LED 1 (GREEN) FAULT CONDITIONS:

LED flashes 2 seconds on, 2 seconds off: low voltage detected

**LED on constantly: - footrest motor not connected
- pcb fault detected**

REV	2518 ECN NO.	FIRST ISSUE DESCRIPTION	RMC DRM	18-05-05 DATE
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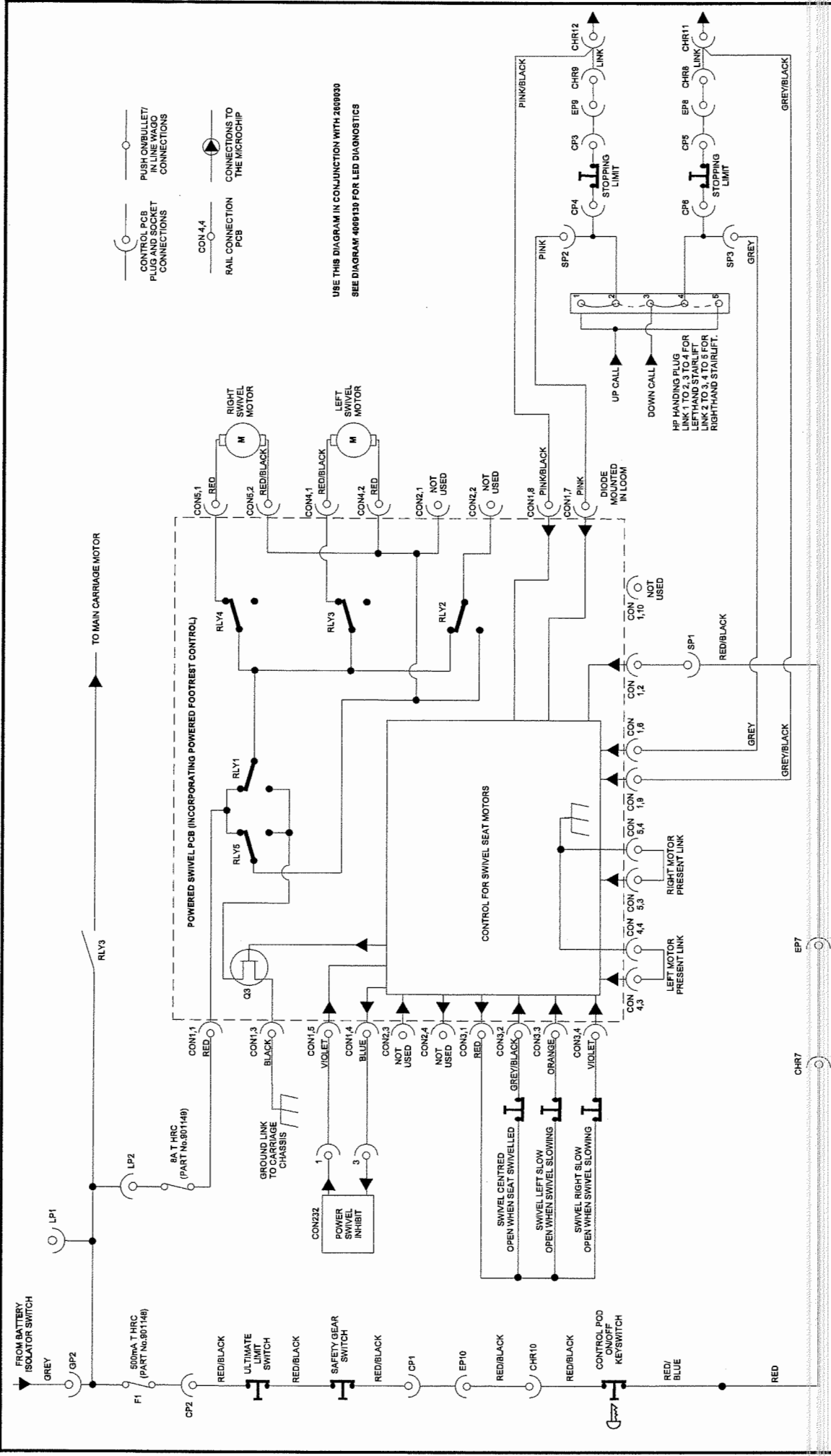
DRG TITLE : SL POWERED FOOTREST DIAGNOSTIC LED FUNCTIONS



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DRAWN BY : R. CHENERY			DATE : 15-07-04	
CHECKED BY :			DATE:	
IM	M	KB	DRAWING NUMBER	REV
			4009136	



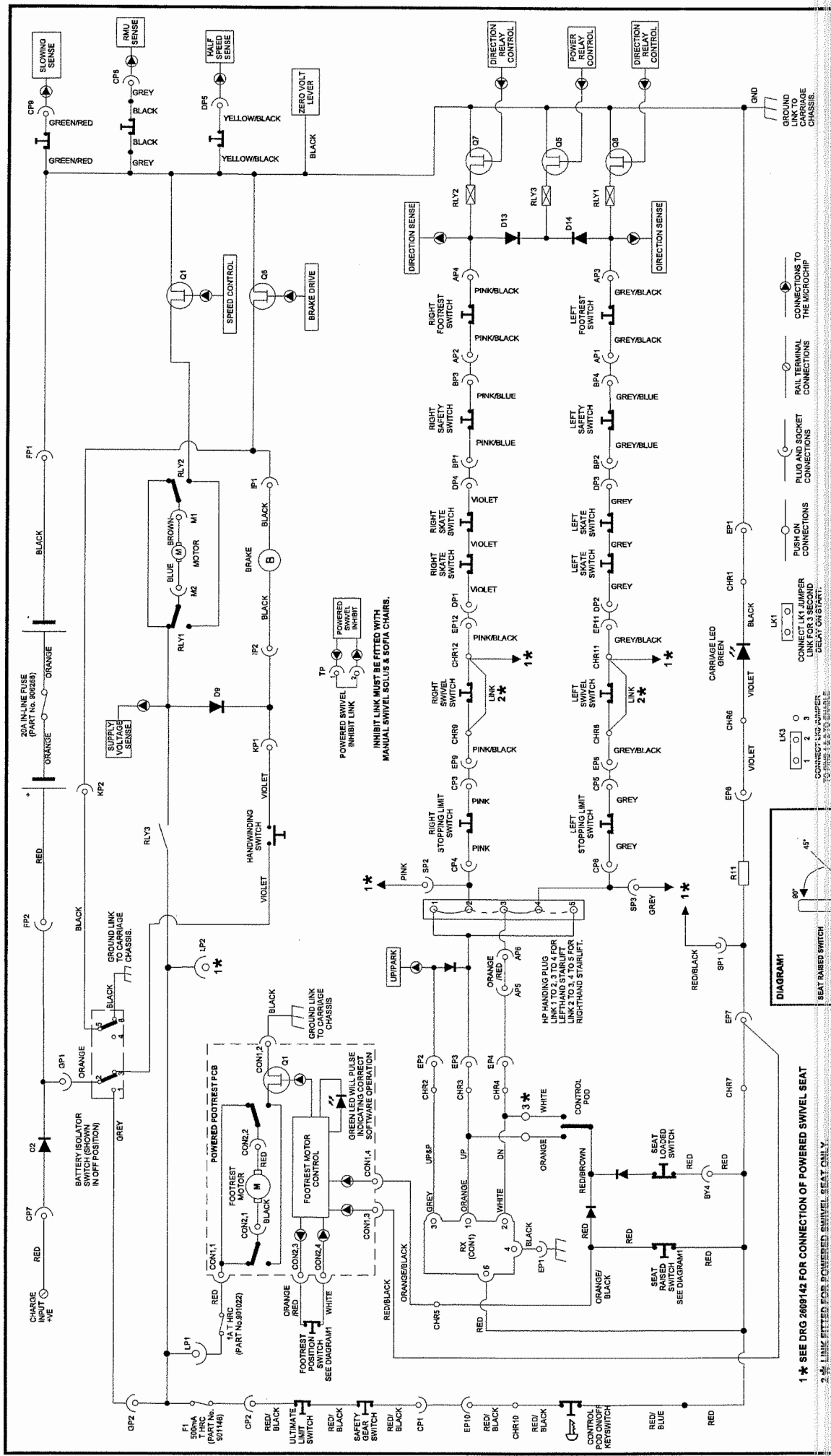
CONTROL PCB PLUG AND SOCKET CONNECTIONS
 PUSH ON/BULLET IN LINE WAGO CONNECTIONS
 RAIL CONNECTION TO PCB
 CONNECTIONS TO THE MICROCHIP

USE THIS DIAGRAM IN CONJUNCTION WITH 26009030
 SEE DIAGRAM 4009130 FOR LED DIAGNOSTICS

DRG TITLE : 260 SL POWERED SWIVEL KEY WIRING DIAGRAM - SOLUS & SOFA CHAIRS
 DRAWN BY : R. CHENERY DATE: 18/04/05
 CHECKED BY :
 M IM KB DRAWING NUMBER REV
 2609142 A

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 Stairlifts
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 Tel : +44(0)1264 364311
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REV	DATE	DESCRIPTION
1	26/04/05	WIRING IN CONTROL PANEL SWAPPED POSITION
2	26/04/05	RELEASE
3	26/04/05	KEY



DRG TITLE : 260 KEY WIRING DIAGRAM - SOLUS AND SOFA CHAIRS

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DRAWN BY: P. COOK DATE: 3/7/00
CHECKED BY: IM M KB DRAWING NUMBER: 2609030 REV

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DIAGRAM 1
SEAT RAISED SWITCH
OPEN 45° (LOWERED)
CLOSED 45° - 90° (RAISED)

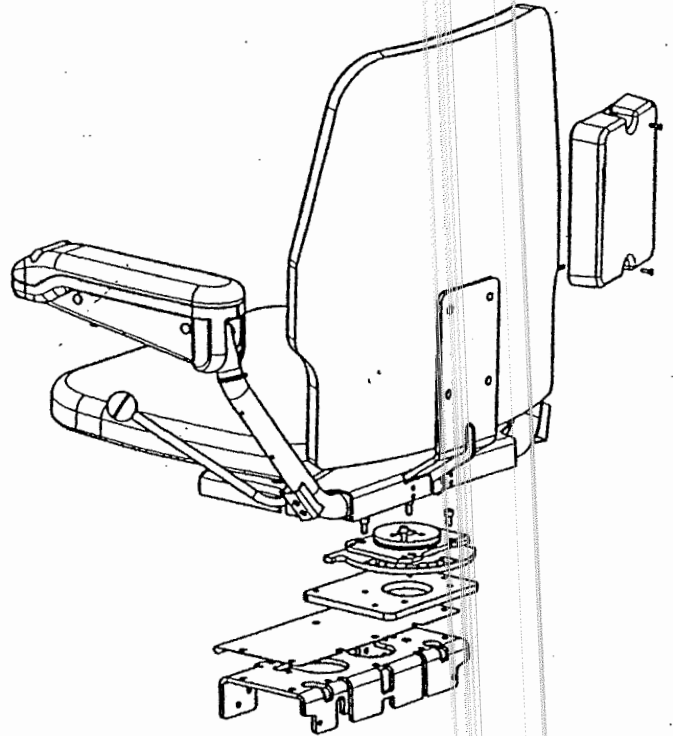
DIAGRAM 2
FOOTREST POSITION SWITCH
OPEN 45° (LOWERED)
CLOSED 45° - 90° (RAISED)

1 * SEE DRG 2609142 FOR CONNECTION OF POWERED SWIVEL SEAT
2 * LINK FITTED FOR POWERED SWIVEL SEAT ONLY
3 * FOR LEFT HAND STAIRLIFT USE BULLET CRIMPS TO CONNECT ORANGE WIRE TO ORANGE WIRE AND WHITE WIRE TO WHITE WIRE FOR RIGHT HAND STAIRLIFT USE BULLET CRIMPS TO CONNECT ORANGE WIRE TO WHITE WIRE AND WHITE WIRE TO ORANGE WIRE

REV	REV NO.	REV DATE	REV

INSTALLATION INSTRUCTIONS

1. Carry out normal installation up to chair fitting.
2. Remove top channel from carriage.
3. Remove swivel boss from top channel.
4. Disconnect and remove carriage to chair loom from microprocessor.
5. Fit adapter plate and cover plate to top channel using original swivel boss fixings. Torque to 16Nm.
NOTE: Adapter plate overhangs back of top channel.
6. Refit top channel with loom 2609118 capivated in slot as shown on Drawing 2609119.
NOTE: Footrest must be in up position to get top channel back on.
7. If chair is left hand convert as below.

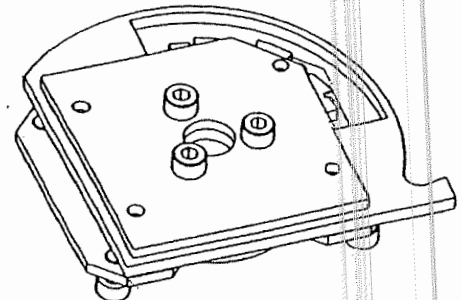
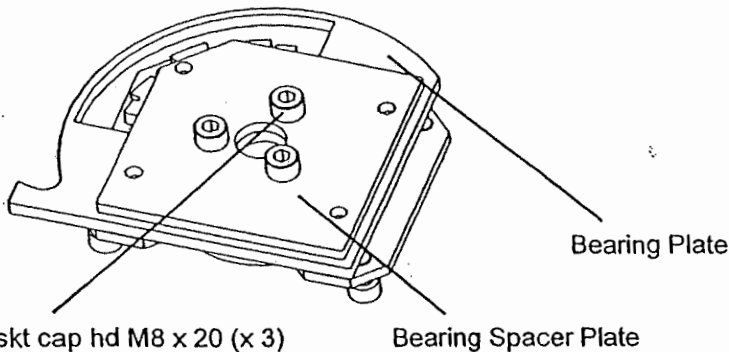


To convert swivel boss assembly from right hand to left hand, it is necessary to dismantle swivel boss and re-assemble as follows:

Remove 3 off socket head cap screws M8 x 20. Remove bearing plate and bearing spacer plate, turn over, replace 3 screws and tighten to a torque of 24Nm.

Right Hand Assembly

Left Hand Assembly

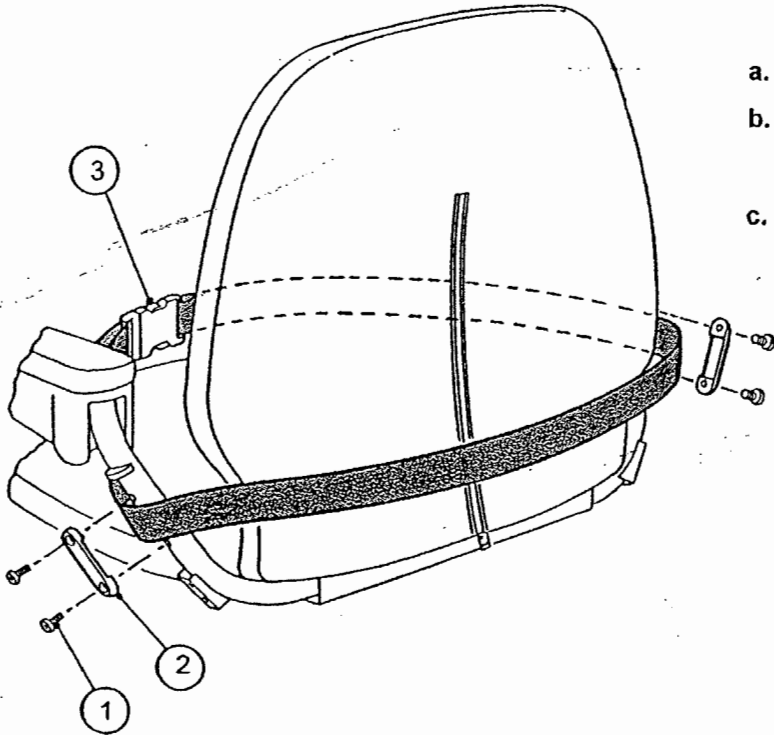


8. Fit 300 swivel boss to adapter plate using M6 x 12 cap hd Tufloc screws. Torque to 16Nm.
9. Fit chair to swivel boss using M8 x 12 screws supplied with swivel boss. Torque to 24Nm.
10. Fit upholstery set.
11. Plug 300 chair assembly loom into adaptation loom using Connection Diagram 2609119.
12. Fit radio/infra red cover positioning left or right at top of chair, using pan hd No. 6 x 1/2" screws.
Tidy cables and put all excess cables inside zipped upholstery.
NOTE: Cut hole in upholstery for Wago blocks to fit board.



Installation Instructions

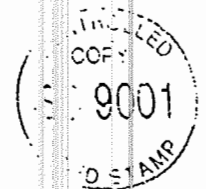
13. Fit seat belt assembly.

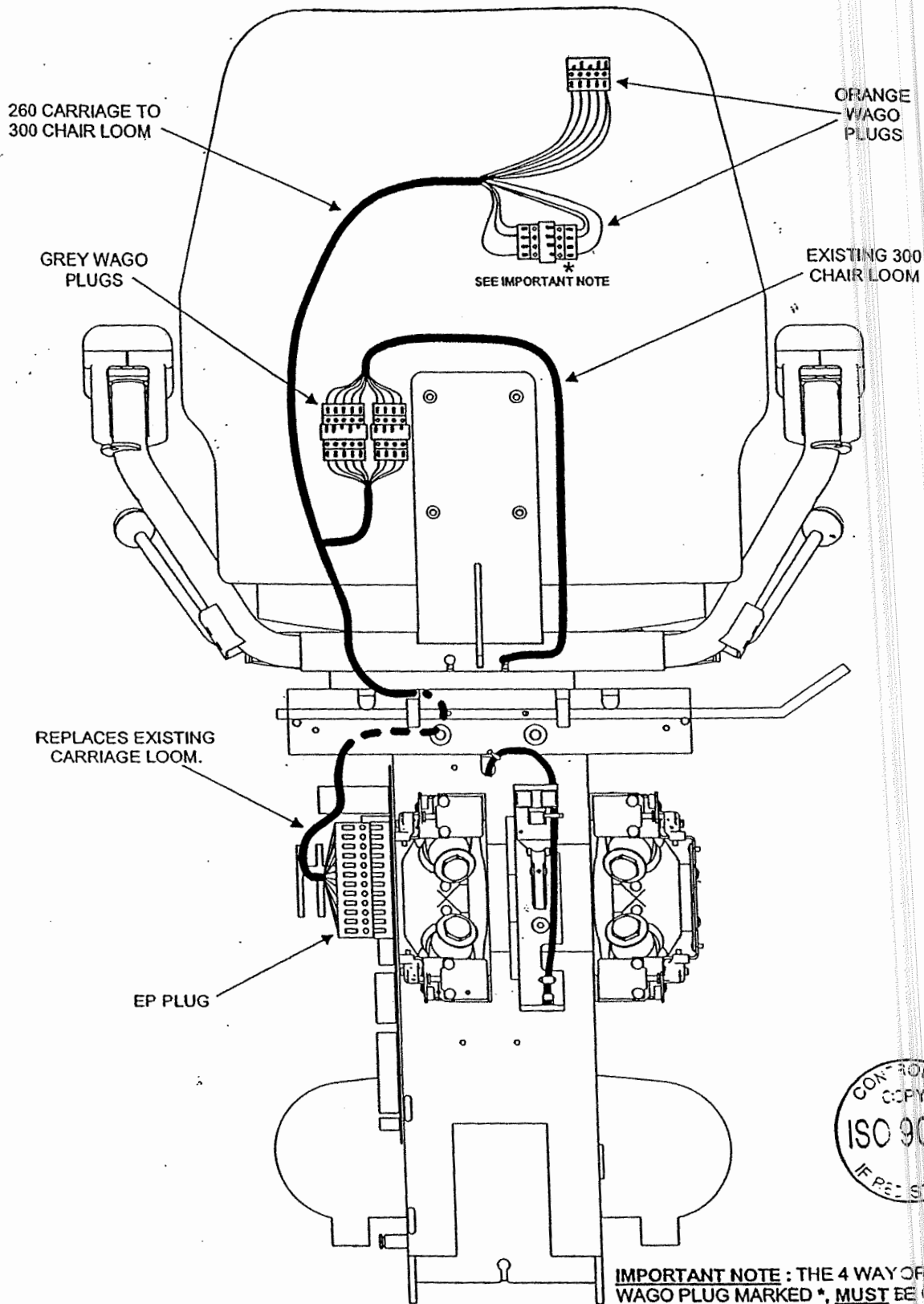


- a. Loop seat belt around rear upholstery.
- b. Secure to arm tube using seat belt anchor and 2 x M4 x 10 screws, see Figure 1.
- c. Repeat fixing on opposite arm tube.

14. Fit hole plugs to chair fixing holes.

15. Continue with rest of installation.





IMPORTANT NOTE : THE 4 WAY ORANGE WAGO PLUG MARKED *, MUST BE CONNECTED TO THE RECEIVER WHEN FOR A HINGED PRODUCT OR OPTION KIT PRODUCT REQUIRING HINGE REMOTE CONTROL PARTS

A	2068	CORRECTED WIRING DETAILS	MH	21/05/01
	2053	FIRST ISSUE	RMC	04-04-01
REV	ECN NO.	DESCRIPTION	DRN	DATE

DRG TITLE : 260 CARRIAGE TO SAXON CHAIR LOOM CONNECTION DIAGRAM



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DRAWN BY : R.CHENERY			DATE: 01/02/01	
CHECKED BY : <i>RC</i>			DATE: 21-5-01	
M	IM	KB	DRAWING NUMBER	REV
✗	✗	✓	2609119	A