

Battery Backup Kit

2.3 Ah V-05 Installation Instructions

Garage Door Openers

BATTERY BACKUP KIT 2.3Ah V-05 - ORDER NO. 61914		
ITEM	DESCRIPTION	QTY
1	BATTERIES COVER	1
2	BATTERIES SUPPORT	1
3	BATTERY 12V SEC 12-2.2 AGM TYPE	2
4	BATTERY COUPLING WIRE - ESV24	1
5	BATTERY HARNESS	1
6	PAN HEAD SCREW W/WASHER M4x8	2
7	CABLE CLAMP ACC-1.5 (3/16")	1
8	CHARGER BOARD SBY-3 V-1.00	1
9	CHARGER HARNESS SBY-3	1
10	SBY BATTERY HARNESS	1

PACK #1 (SECTIONAL DOOR OPENERS)		
11	HEX STANDOFF M4	2
12	PAN HEAD SCREW W/WASHER M4x8	4
13	THRUSS SER HD SCREW "S" RoHS M4x8	2
14	TAPTITE SCREW "P" M4 X 8	3
15	PCB SUPPORT 76X27	1
PACK #2 (ROLLER DOOR OPENERS)		
16	TAPTITE SCREW "P" M4x8	4
17	TAPTITE SCREW "P" M4x10	2
18	CABLE CLAMP ACC-2.5 (5/16")	1

Swing Gate Openers

BATTERY BACKUP KIT SBC-02 - ORDER NO. 90188		
ITEM	DESCRIPTION	QTY
19	BATTERY CHARGER BOX ASSEMBLY	1
20	CHARGER BOARD SBY-3 V-1.00	1
ACCESSORY PACK		
21	TIE MOUNT CM-13 (ADHESIVE)	4
22	CABLE TIE 4" GT-100M	4
23	BRACKETS GE 44 621	4
24	SCREW "P" M3.5 X 13 FOR GW 44 621	4

Sliding Gate Openers

BATTERY BACKUP KIT ESV24 - ORDER NO. 61912		
ITEM	DESCRIPTION	QTY
25	BATTERY CP1223H 12V 2.3H	2
26	CHARGER BOARD SBY-3 V-1.00	1
27	BATTERY COUPLING WIRE - ESV24	1
28	BATTERY HARNESS	1
29	TAPTITE SCREW "P" M3 X 8	4

Important Safety Instructions



WARNING!

- **DO NOT** short the output of batteries. **Serious personal injury** and/or property damage can result from failure to follow this warning
- During charging and discharging cycles the lead-acid batteries may release explosive gases. Ensure that the area around the batteries is well ventilated
- Take care not to allow any metal objects to make contact with the positive and negative terminals. This will short circuit the battery causing sparks and possible damage to the battery, or even cause an explosion.



ELECTROCUTION!

- The battery box unit should be installed away from sprinkler systems.
- **DO NOT** immerse in water or spray directly with a hose or other device.
- Disconnect the power cord from mains power before making any repairs or removing covers.



CAUTION:

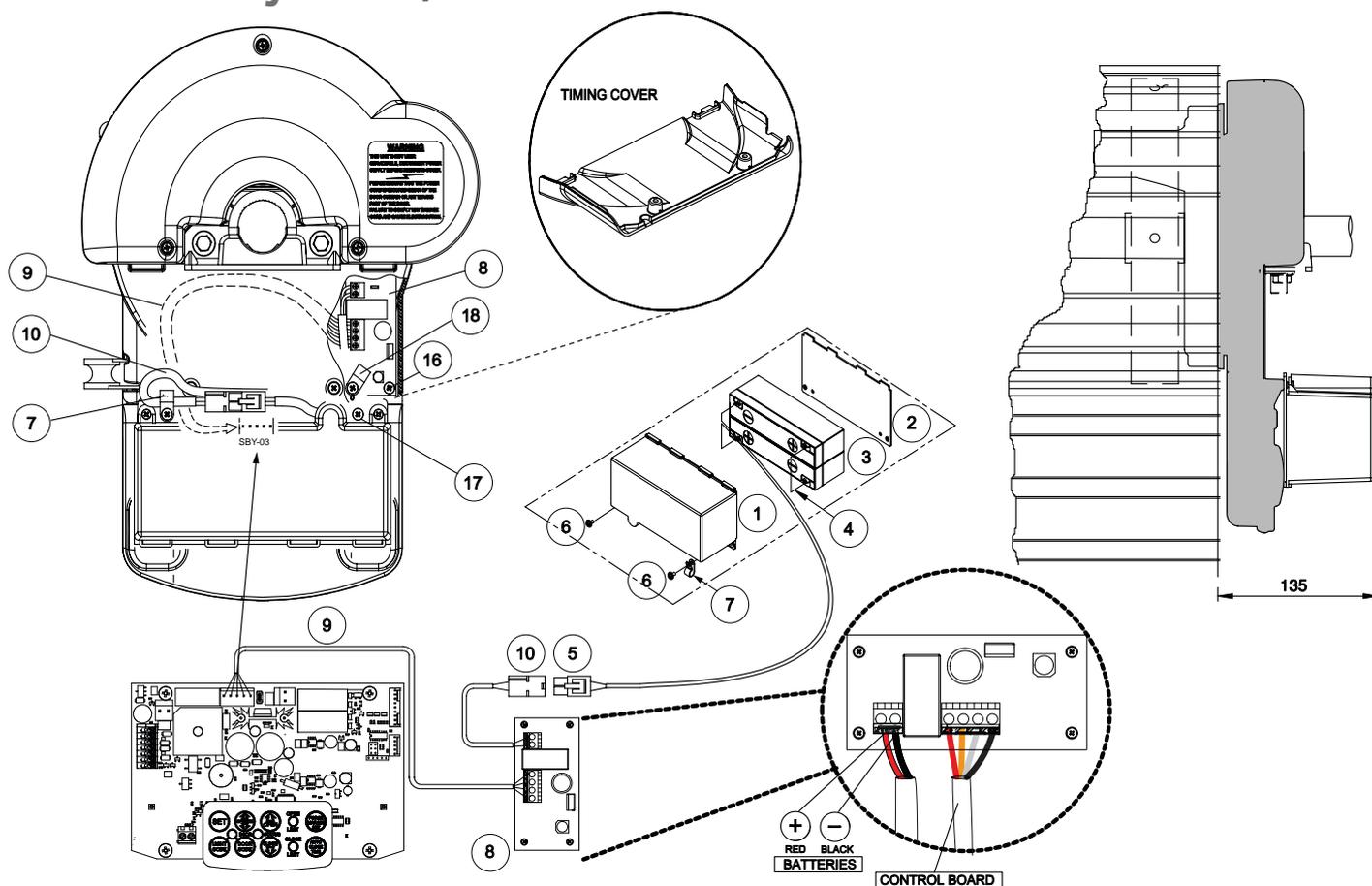
Muscular strain
Fall from ladder

Burns

- Practice correct lifting techniques
- Ensure ladder is the correct type for job.
- Ensure ladder is on flat ground.
- Ensure user has 3 points of contact while on ladder.
- **DO NOT** handle damaged or leaking batteries
- Wear appropriate protective clothing and avoid touching your eyes after working with batteries.
- The battery backup kit contains sealed lead-acid batteries that must be disposed of properly at the end of their useful life.

Roll Up Door Opener Set Up

GDO-6 EasyRoller®, RDO-1



Mount the Charger Board

- Unplug the drive unit from mains power.
- Remove the timing cover and light diffuser.
- Mount the Charger Board (8) on the chassis and secure with four (4) Taptite 'P' M4x8 screws (16).
- Feed the battery harness (5) through the cable clamp (18) and secure left corner of the board. Feed the Wire Harness (9) around the timing assembly, through opening and plug into SBY-03 (4 pin) connector on the control board.
- Remove breakaway slot on timing cover and feed wire battery harness (10) through slot and replace timing cover. Secure in place with screws.

Mount & Connect the Battery

- Mount battery backup kit onto support chassis and secure right side screw first (charger board side) (17).
- Position the wire battery harness (10) neatly and secure left side of battery kit with cable clamp (7).



WARNING: After Step (c) the opener may become active (even when power is off). This is a result of a residual charge in the batteries.

- Connect battery harnesses (5) and (10) together.
- Close the timing cover, light diffuser and reconnect power.

NOTE: Batteries may take up to 48 hours to charge fully after initial installation.

Re-setup and Test the Opener

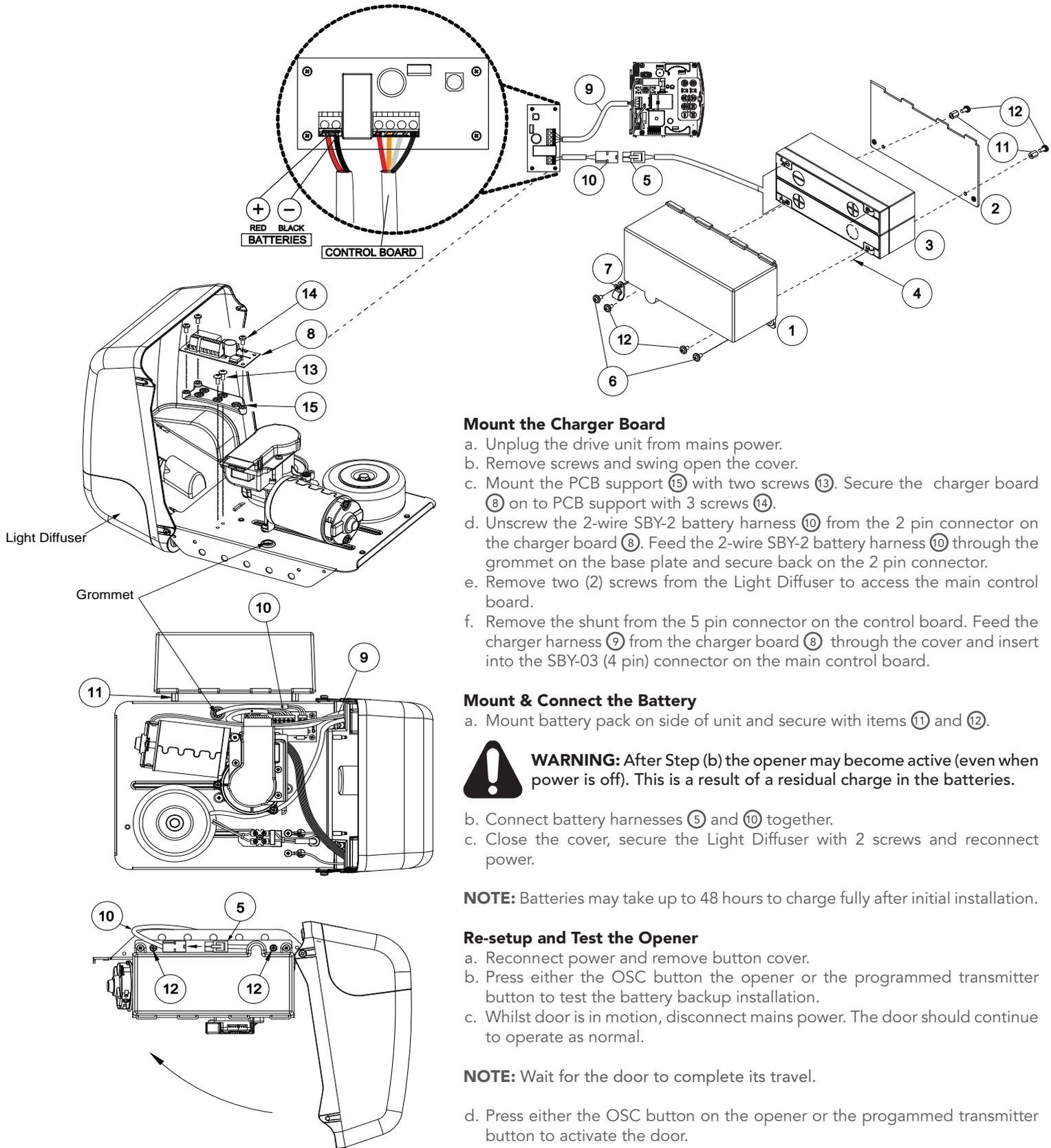
- Reconnect power and remove the button cover.
- Press either the OSC button the opener or the programmed transmitter button to test the battery backup installation.
- Whilst door is in motion, disconnect mains power. The door should continue to operate as normal.

NOTE: Wait for the door to complete its travel.

- Press either the OSC button on the opener or the programmed transmitter button to activate the door.
- Whilst door is in motion, reconnect power and re-install button cover. The door should complete the cycle as normal.

Overhead Door Opener Set Up

GDO-9V2 Enduro, GDO-9V3 Dynamo,
SDO-2 CAD P Diamond & SDO-3 CAD S



Mount the Charger Board

- Unplug the drive unit from mains power.
- Remove screws and swing open the cover.
- Mount the PCB support (15) with two screws (13). Secure the charger board (8) on to PCB support with 3 screws (14).
- Unscrew the 2-wire SBY-2 battery harness (10) from the 2 pin connector on the charger board (8). Feed the 2-wire SBY-2 battery harness (10) through the grommet on the base plate and secure back on the 2 pin connector.
- Remove two (2) screws from the Light Diffuser to access the main control board.
- Remove the shunt from the 5 pin connector on the control board. Feed the charger harness (9) from the charger board (8) through the cover and insert into the SBY-03 (4 pin) connector on the main control board.

Mount & Connect the Battery

- Mount battery pack on side of unit and secure with items (11) and (12).
- WARNING:** After Step (b) the opener may become active (even when power is off). This is a result of a residual charge in the batteries.
- Connect battery harnesses (5) and (10) together.
 - Close the cover, secure the Light Diffuser with 2 screws and reconnect power.

NOTE: Batteries may take up to 48 hours to charge fully after initial installation.

Re-setup and Test the Opener

- Reconnect power and remove button cover.
- Press either the OSC button the opener or the programmed transmitter button to test the battery backup installation.
- Whilst door is in motion, disconnect mains power. The door should continue to operate as normal.

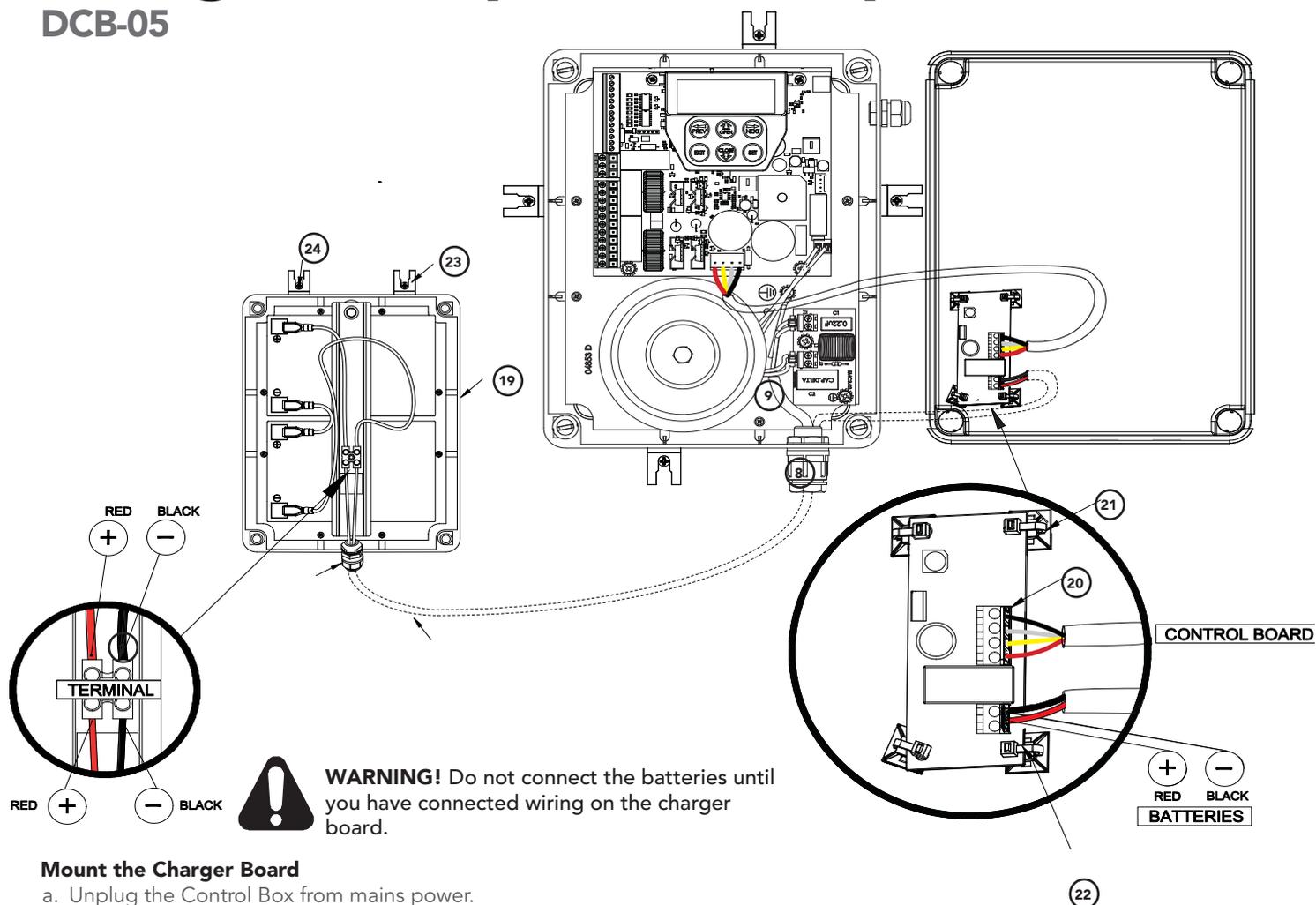
NOTE: Wait for the door to complete its travel.

- Press either the OSC button on the opener or the programmed transmitter button to activate the door.
- Whilst door is in motion, reconnect power and re-install button cover. The door should complete the cycle as normal.



Swing Gate Opener Set Up

DCB-05



WARNING! Do not connect the batteries until you have connected wiring on the charger board.

Mount the Charger Board

- Unplug the Control Box from mains power.
- Remove the Control Box's cover.
- Secure the adhesive mounts (21) to the Charger Board with cable ties (22). Affix the Charger Board (20) inside the the Control Box cover.
- Plug the Charger Board's four (4) wire harness (red/yellow/white/black) into the DCB-05 board's "SBY-03" connector.



WARNING! The opener will become active during the following steps.

Mount & Connect the Battery

- Drill a hole in the Battery Pack enclosure (recommend at the bottom) and fit a nylon gland (not supplied).
- Mount the Battery Pack (19) using the mounting brackets (23) and screws (24) close to the opener.
- Feed a 2-core 18awg gauge cable (not supplied) through the Battery Box's nylon gland.
- Connect the **red wire** to the Battery Box's "+" terminal, and the **black wire** to the "-" terminal
- Feed the other end of the 2-core 18awg gauge cable through the control box's gland.
- Connect the **red wire** to the Charger Board's Battery Harness "BAT+" connector, and the **black wire** to the "-BAT" connector.

Re-setup and Test the Opener

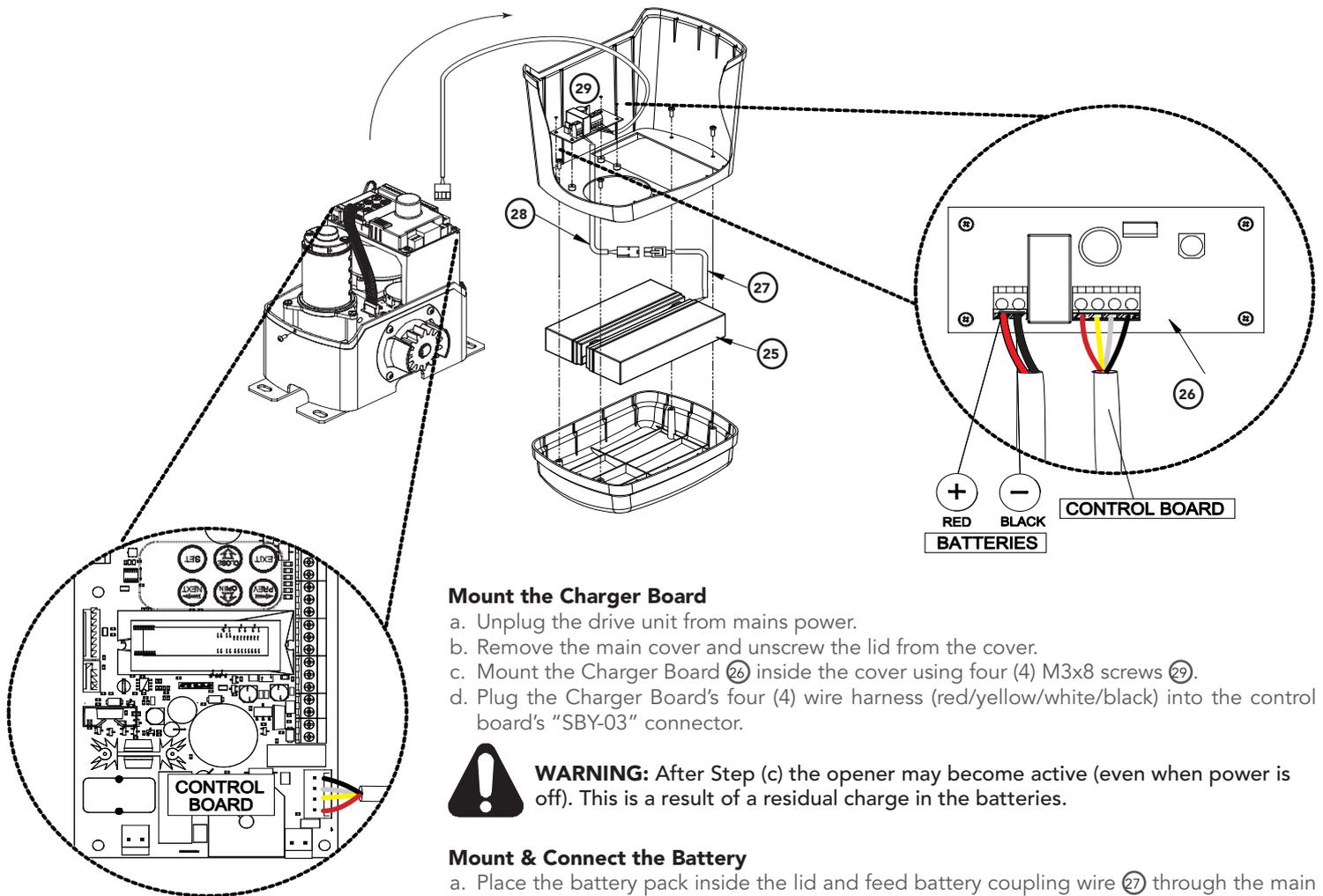
- Reconnect power.
- Select Menu 7 on the DCB-05 control board, press "SET", select Sub Menu 7 ("Battery/Solar") and enable using the "OPEN" and "CLOSE" buttons.
- Setup travel limits and transmitters as per the DCB-05 instruction manual.
- Press either "OPEN" or "CLOSE" buttons, or use a transmitter to operate the gate.
- Whilst the gate is in motion, disconnect mains power. The gate should continue to operate as normal.

NOTE: Wait for the gate to complete its travel.

- Press the transmitter to activate the gate. Whilst the gate is in motion re-connect power. The gate should complete the cycle as normal.
- Refit the control box cover.

Sliding Gate Opener Set Up

NeoSlider™,



Mount the Charger Board

- Unplug the drive unit from mains power.
- Remove the main cover and unscrew the lid from the cover.
- Mount the Charger Board (26) inside the cover using four (4) M3x8 screws (29).
- Plug the Charger Board's four (4) wire harness (red/yellow/white/black) into the control board's "SBY-03" connector.



WARNING: After Step (c) the opener may become active (even when power is off). This is a result of a residual charge in the batteries.

Mount & Connect the Battery

- Place the battery pack inside the lid and feed battery coupling wire (27) through the main cover.
- Secure the lid to the main cover with screws.
- Connect battery harnesses (27) and (28) together.

NOTE: Batteries may take up to 48 hours to charge fully after initial installation.

Re-setup and Test the Opener

- Reconnect power.
- Select Menu 7 on the control board, press "SET", select Sub Menu 7 ("Battery/Solar") and enable using the "OPEN" and "CLOSE" buttons.
- Setup travel limits and transmitters as per the slider instruction manual.
- Press either "OPEN" or "CLOSE" buttons, or use a transmitter to operate the gate.
- Whilst the gate is in motion, disconnect mains power. The gate should continue to operate as normal.

NOTE: Wait for the gate to complete its travel.

- Press the transmitter to activate the gate. Whilst the gate is in motion re-connect power. The gate should complete the cycle as normal.
- Refit the main cover onto the drive unit.

Troubleshooting

Symptom	Possible cause	Remedy
Door stops or moves very slowly under battery power	Batteries may be weak or have no charge	Connect mains power and allow the batteries to charge. This may take 24 - 48 hours to reach maximum charge capacity.
Door will not operate when mains power is disconnected.	Batteries / charger board may not be connected properly.	Check wiring.
	Batteries may have no charge	Connect mains power and allow the batteries to charge. This may take 24 - 48 hours to reach maximum charge capacity.
	Faulty Charger board	Disconnect the charger board from batteries and control board. Check voltage of the charger board. Voltage should be approximately 27.5V.
	Faulty Batteries	Disconnect the batteries from the charger board. Check the voltage of the each battery. Voltage should not drop below 10V.

Specifications

Battery Back up Specifications	Garage Door	Swing	Slider
Approximate number of Cycles under battery power	10	10	10
Average Cycle Time under battery power (Opening and Closing)	40 seconds	90 seconds	90 seconds
Wire Gauge and Length from Battery to Charger board (max)	18AWG, 3m	18AWG, 3m	18AWG, 3m
Battery capacity (Amp Hours)	2.3 AH	2.3 AH	2.3 AH
Time for Re-charge	24 - 48 Hours	24 - 48 Hours	24 - 48 Hours

Maintenance

To ensure a long trouble free life for your battery backup it is recommended you run the testing procedure on a monthly basis. Batteries should not need replacing for 4 - 5 years.

Testing Procedure:

- Press the transmitter to activate the opener.
- Whilst the door / gate is in motion disconnect power. The door / gate should complete the cycle as normal.
- Wait for the door / gate to finish its travel.
- Press the transmitter to activate the opener.
- Whilst the door / gate is in motion reconnect power. If the door / gate stopped or moved very slowly under battery power, ensure mains power is connected for 24 - 48 hours to recharge the batteries. Test the opener again under battery power in 72 hours to ensure batteries are working effectively.

Warranty and Exclusion of Liability

1. This Warranty is given by Automatic Technology (Australia) Pty Ltd (ABN 11 007 125 368) (ATA), 6-8 Fiveways Boulevard, Keysborough 3173, 1300 133 944, sales@ata-aust.com.au
2. The Competition and Consumer Act 2010 (including the Australian Consumer Law) and other relevant statutes provide a set of statutory consumer guarantees and other legal rights that cannot be excluded, restricted or modified by contract. This Warranty is in addition to and does not affect any of your rights under the Australian Consumer Law and other relevant statutes.
3. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation of any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
4. Subject to your non-excludable rights under the Australian Consumer Law, ATA expressly excludes any liability for consequential loss, incidental or indirect damages (including but not limited to damages for loss of business profits, business interruption and loss of business information) due to a defect of the product. In particular any loss or damage caused to other equipment or accessories used with the product or any loss resulting from a delay in repair is excluded to extent permitted by law.
5. Subject to all of the matters set out below, ATA warrants in relation to the Product that:
 - (a) the Product's door opener drive units will be free of any defects in material and workmanship for at least 24 months after the date of purchase (as evidenced by the sales docket receipt), or 5,000 cycles, whichever ever occurs first; and
 - (b) the Product's other components and accessories will be free of any defects in material and workmanship for at least 12 months after the date of purchase (as evidenced by the sales docket receipt).
6. No additional warranty will apply for Products repaired during the relevant warranty period.
7. For all Products repaired outside the warranty period, a six (6) month warranty that the Product will be free of any defects in material and workmanship will apply from the date of dispatch of the Product to you. ATA may charge you for any repairs undertaken outside the warranty period, and will provide you with a quotation in relation to any such costs for your approval before proceeding with any repairs.
8. This Warranty applies only where you:
 - (a) immediately notify ATA at the contact details provided in paragraph 1 above or notify the retailer that you purchased the Product from of the alleged defect;
 - (b) return the product to the retailer that you purchased the Product from; and
 - (c) present the relevant sales docket and this Warranty document to the retailer to confirm the date of purchase.
9. Except for this Warranty, ATA gives no warranties of any kind whatsoever (whether express or implied), in relation to the product, and, subject to paragraph 1 above, all warranties of whatsoever kind relating to the product are hereby excluded.
10. This Warranty excludes damage resulting from:
 - (a) normal wear and tear;
 - (b) accidental damage;
 - (c) incorrect installation of the Product;
 - (d) blown fuses, electrical surges, power surges or power spikes;
 - (e) theft, fire, flood, rain, water, lightning, storms or any other acts of God;
 - (f) any installation, configuration or use of the Product contrary to the instructions supplied with the Product;
 - (g) maximum continuous operating time exceeding 1 minute in 10;
 - (h) the operating force exceeding 15kg* (150 Newton) when moving the door manually to the open or closed position;
- (i) door surface area and/or weight exceeding 28m² and 270kg respectively;
- (j) the door used with the Product not being in safe working order and condition;
- (k) repairs which are not authorised by ATA;
- (l) any failure to install or maintain the Product in accordance with the instructions supplied with the Product;
- (m) any use which is not in accordance with the instructions provided with the Product;
- (n) deliberate or negligent damage to the Product;
- (o) any unauthorised modification to the Product;
- (p) faulty or unsuitable wiring in the building in which the Product is installed;
- (q) damage caused by insects;
- (r) any cost or expense relating to the recall of the Product;
- (s) installation of a residential garage door opener in a commercial or industrial premises or in a dwelling other than a single-family dwelling;
- (t) radio or electrical interference; or
- (u) acts or omissions of any person (including service providers approved by ATA) other than ATA.
11. ATA's liability under this Warranty is limited, at ATA's absolute option, to replacing or repairing the product which ATA, in its unfettered opinion, considers to be defective either in material and/or workmanship or to credit the dealer with the price at which the product was purchased by the dealer.
12. This Warranty does not extend to cover labour for installation of the Product following repairs, the cost of which must be borne by you.
13. This Warranty is limited to Return-to-Base (RTB) repair and does not cover labour for on-site attendance, the cost of which must be borne by you.
14. Except as specified in this Warranty, ATA will not charge you for any repairs or replacements conducted under the Warranty. However, ATA will charge you for any repairs which are not within the scope of this Warranty (or which are not required to be undertaken free of charge pursuant to the Australian Consumer Law).
15. This Warranty is void if the Product is not returned to the manufacturer in original or suitably secure packaging.
16. This Warranty is only applicable for repairs to the product carried out within Australia.
17. This Warranty does not cover consumable items including, without limitation, globes, batteries and fuses.
18. This Warranty is not transferable.
19. Where the Product is retailed by any person other than ATA, except for the warranty set out above, such person has no authority from ATA to give any warranty or guarantee on ATA's behalf in addition to the warranty set out above.
20. Any provision of this Warranty that is prohibited or unenforceable in any jurisdiction is ineffective as to that jurisdiction to the extent of the prohibition or unenforceability. That does not invalidate the remaining provisions of this Warranty nor affect the validity or enforceability of that provision in any other jurisdiction.
21. Products presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the Product.

NOTES:

1. One (1) cycle = one (1) open and one (1) close action of the door.
2. This Warranty is to be read in conjunction with the owner's copy of the installation instruction manual.
3. * The door that the Product is used with should be balanced in such a way that the user is able to open or close the door manually using a force not greater than 150 Newton (15 kg), other than to initially cause the door to start moving, which may require force in excess of that specified in this paragraph.

automatic
TECHNOLOGY

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