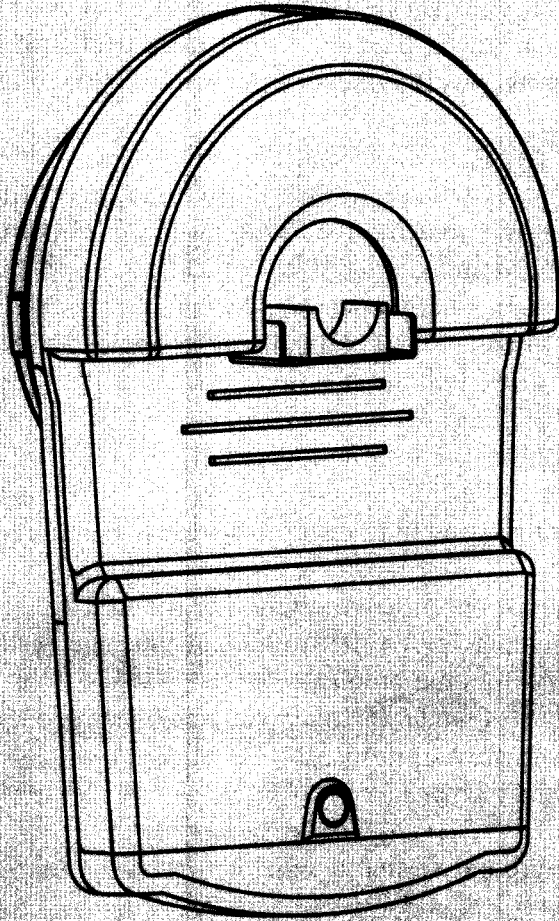




"your automatic choice"



SlimFit Roller Door Opener

- * Safety Obstruction Detection
- * Rolling Code Security
- * Anti Theft Security System
- * Automatic Closing
- * Automatic Courtesy Light

Installation Instructions and User Guide

801-001-02

**FAILURE TO COMPLY WITH THE FOLLOWING SAFETY RECOMMENDATIONS MAY
RESULT IN SERIOUS PERSONAL INJURY, DEATH AND/OR PROPERTY DAMAGE.**

1. **READ AND FOLLOW ALL SAFETY AND INSTALLATION INSTRUCTIONS CAREFULLY.**
2. **The installation of the Automatic Garage Door Opener (hereinafter referred to as AGDO) must be carried out by a technically qualified or licensed person. Attempting to install the AGDO without suitable technical qualification may result in severe personal injury, death and/or property damage.**
3. Only install the AGDO on a well functioning, properly balanced and aligned garage door. An improperly balanced or malfunctioning garage door could cause serious injury. Have a qualified person check and if required, make repairs to the garage door **before** installing the AGDO. As a general rule a garage door is deemed to be well balanced and aligned if it;
 - a. requires an equivalent amount of applied force to manually open or close and,
 - b. requires no more than 150N (15kg) of applied force to either manually open or close and,
 - c. does not rise or fall more than 100mm when stopped at any position between fully open or fully closed positions and,
 - d. Does not rub on or make contact with any supporting or surrounding structures.
4. Repairs to garage doors must only be carried out by technically qualified persons. Attempting to repair the garage door without suitable technical qualification may result in severe personal injury, death and/or property damage.
5. Remove or render inoperative all existing locks and ropes prior to installation of the AGDO.
6. If possible, install the AGDO at least 2 meters or more above the ground. Adjust the manual release cord so that it hangs approximately 1.8 meters from the ground.
7. Do not connect the AGDO to the power source until this manual instructs you to do so.
8. The AGDO must be connected to a **properly earthed** general purpose 240V outlet.
9. Where fitted, locate the wall control panel/push button;
 - a. within site of the garage door and,
 - b. at a minimum height of 1.5 meters above the ground so that it remains out of the reach of small children and,
 - c. away from all moving parts of the door.
10. Affix the entrapment warning label in a prominent position adjacent to the garage door & AGDO.
11. The manual release instruction tag must remain attached to the manual release cord.
12. After installing and correctly adjusting the AGDO, the garage door **must** stop and reverse direction when it comes into contact with a 40 mm high solid object placed on the floor under the garage door.
13. The correct function of the safety obstruction reversing system should be checked on a monthly basis. Make sure that the garage door reverses easily when it makes contact with an obstruction.
14. Never use the AGDO unless the garage door is in full view and free from objects such as cars, children and/or adults.
15. Never allow children to operate the AGDO.
16. Never operate the AGDO when children/persons are under or near the path of the door. Children **must** be supervised at all times when near the garage door and when the AGDO is in use.
17. Never attempt to disengage the AGDO to manual operation when there are children/persons or and other objects including motor vehicles under or near the path of the garage door.
18. Never attempt to make any repairs or remove any of the screw-on covers from the AGDO without first disconnecting the power supply cord from main power supply.

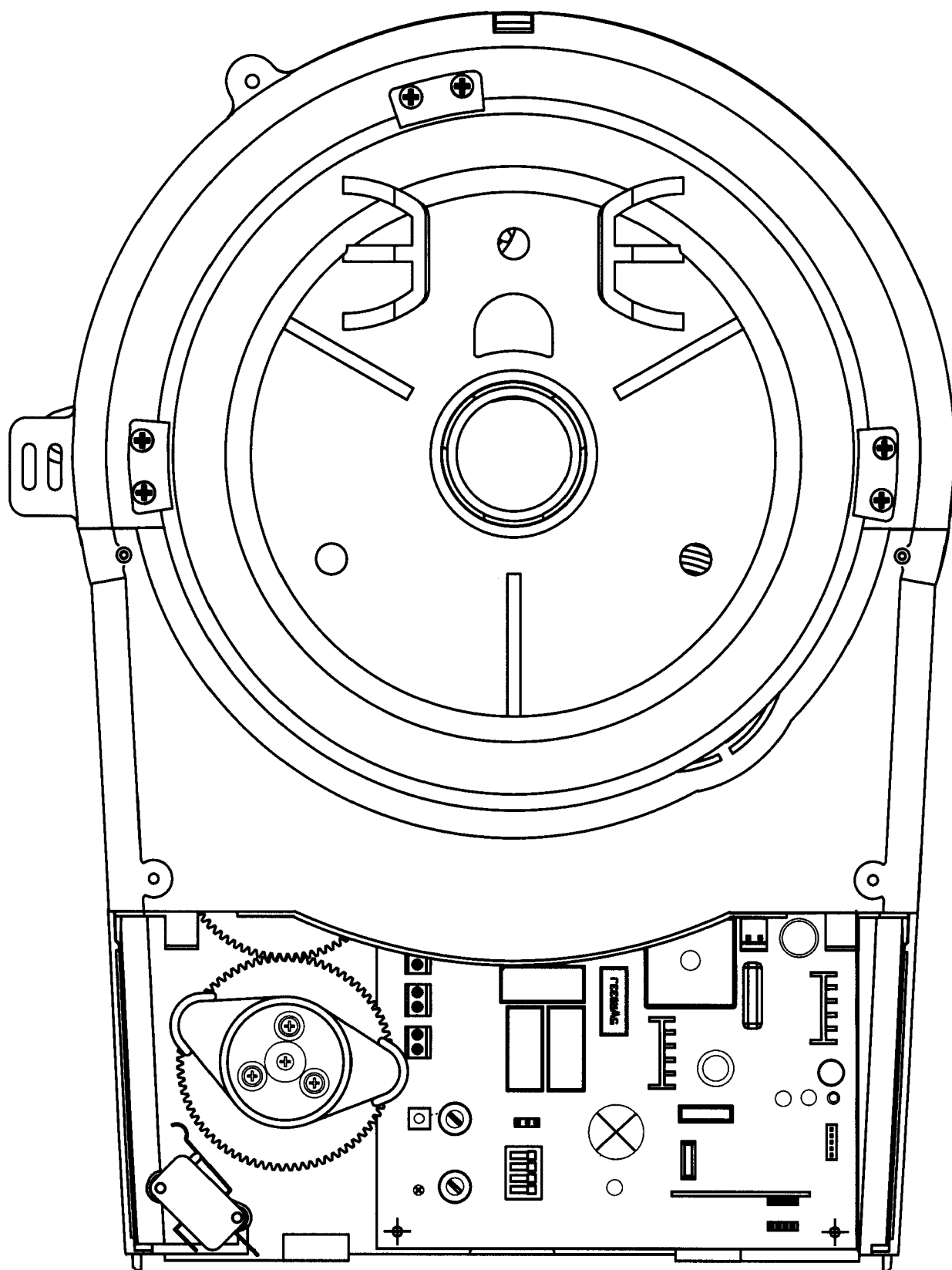
19. Removal of the AGDO's screw-on protective covers must only be performed by a technically qualified person. Attempting to remove the protective covers or repair the AGDO without suitable technical qualification may result in personal injury, death and/or property/product damage.
20. Always ensure that the garage door is fully open before driving into or out of the garage.
21. Always ensure the garage door is fully closed before leaving the driveway.
22. Adjustments to the safety obstruction force settings must only be carried out by a technically qualified person. Attempting to adjust the safety obstruction force setting without suitable technical qualification may result in personal injury, death and/or property damage.
23. Keep hands and loose clothing clear of the AGDO and garage door at all times.
24. For the safety obstruction force system to function it must first exert force on an object/person/obstruction. As a result the object/person/door may suffer **damage or injury**.
25. **The Safety Obstruction Force System is designed to work on STATIONARY objects only. If the Garage Door encounters a moving object during an Open or Close Cycle, serious personal injury, death and/or property/product damage may occur.**

Warranty Exclusions

No claims whatsoever will be recognized under the terms of this product's warranty which pertain to damage, injury, cost or expense, suffered by persons or to property, which either directly or indirectly arise out of any of the following actions:

- a. Failure to install the AGDO in accordance with the instructions herein contained.
- b. The garage door striking a moving object.
- c. The AGDO being used on other than a maximum 4 car residential application.
- d. The AGDO being used on a garage door not within the recommended size range
- e. Failure to adequately lubricate the garage door counter balance springs.
- f. Attempting to open or close the garage door by directly pulling on the disengage cord.
- g. Installing the AGDO on an improperly balanced and/or poorly functioning and/or misaligned garage door.
- h. Manually releasing the AGDO in any position other than when the garage door is fully closed.
- i. Failure to connect the AGDO to a properly earthed power supply.
- j. Failure to provide effective door stops in the garage door fully open position.
- k. Use of an unsuitable installation prop resulting in damage to the garage door curtain.
- l. Damage arising out of water or moisture intrusion.

Note: Light bulbs are not covered under the terms of this product's warranty.



For further details refer to next page



Fig 1

1. **Safety Beam Enable Dip Switch** – enables safety beam function (Refer Sec.20)
2. **Auto Close Enable Dip Switch** – enables auto close function (Refer Sec.21)
3. **Auto Close Delay Time Dip Switches** – adjust the time to auto close (Refer Sec.21)
4. **Same As Item 4 Above**
5. **Learn Button** – stores / erases transmitter security codes (Refer Sec.10 & Sec.22)
6. **Safety Obstruction Force Adjustment (SOFA) Screw ~ Close Direction** – adjusts the safety obstruction force value in the open direction (Refer Sec.12 & 13)
7. **Safety Obstruction Force Adjustment (SOFA) Screw ~ Open Direction** – adjusts the safety obstruction force value in the close direction (Refer Sec.14 & 15)
8. **Learn Indicator Lamp** – indicates transmitter code learning (Refer Sec.10 & Sec.22)
9. **Output Terminals** – for connection of externally mounted accessories (Refer Sec.16, 17 & 18)
10. **Receiver** – receives the signal from the hand held transmitter
11. **Auto Courtesy Light** - activates automatically each time the opener commences an open or close cycle and remains on for approx 3 minutes.
12. **Jumper Plug J 8** – enables the control board for use with either one of safety beams or external receiver (Refer Sec.16 & 18)
13. **Open Limit Cam** – (upper) adjusts the garage door fully open position (Refer Sec.7 & 11)
14. **Close Limit Cam** – (lower) adjusts the garage door fully closed position (Refer Sec.8 & 11)
15. **Open Limit Switch** – (upper) controls the garage door fully open position (Refer Sec.7 & 11)
16. **Close Limit Switch** – (lower) controls the garage door fully closed position (Refer Sec.8 & 11)
17. **Polarity Terminals** – convert the AGDO from right to left hand end installation (Refer Sec.E)
18. **Locking Screws** – limit adjust cam locking screws (Refer Sec.7 & 8)

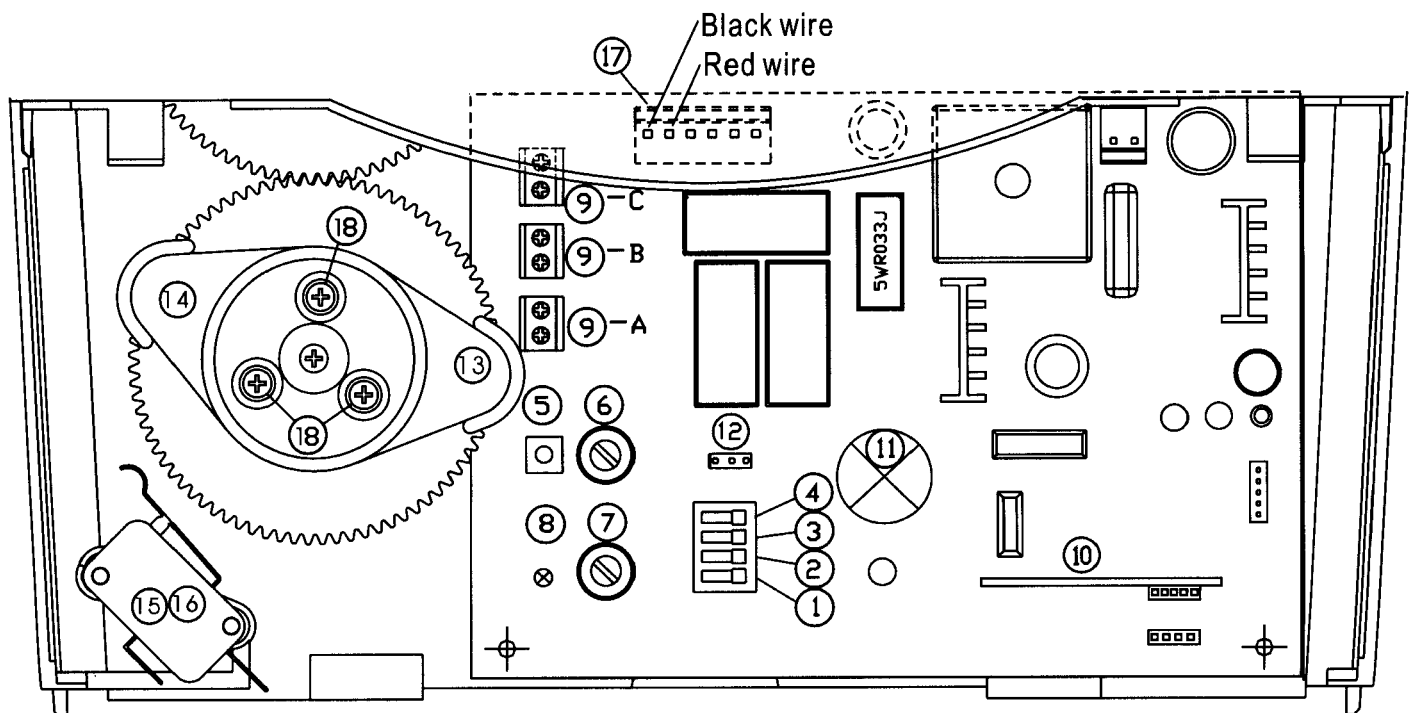


Fig 2

A. Forward

This section of the manual deals with the basic fitting requirements which should be met **before** attempting to install the AGDO. Study them carefully to ensure that the garage door and surroundings are suitable for such an installation.

Important Note: The procedures outlined in this manual require a certain degree of technical and mechanical skill. It is not recommended that the AGDO be installed by a home handyman. The AGDO should always be installed, serviced and adjusted by a technically qualified person.

B. Check for Correct Function of the Garage Door

Before beginning the installation of the AGDO check that the garage door is functioning correctly. The garage door must be well balanced and operate smoothly and freely. When opened to between 900~1200mm from the floor and released the garage door should not rise or fall more than 100mm. The garage door should not bind or stick in the side tracks. The ideal operational effort required to open or close the garage door should not exceed a force of 150N (15kg)

Important Note: The AGDO must not be installed on a poorly adjusted, worn or damaged garage door.

C. Side Room Requirement

The recommended maximum and minimum mounting positions are depicted in Fig.3. The ideal distance should be between 40 ~ 50mm as measured from the outer edge of the garage door curtain to the inner edge of the garage door mounting bracket as indicated.

Important Note: The fixing distance may vary from garage door to garage door depending on the distance that the door drum wheel has been set inside the door curtain. The distances quoted above are based on a minimum setback of 50mm between the edge of the garage door curtain and the outer face of the drum wheel web as depicted.

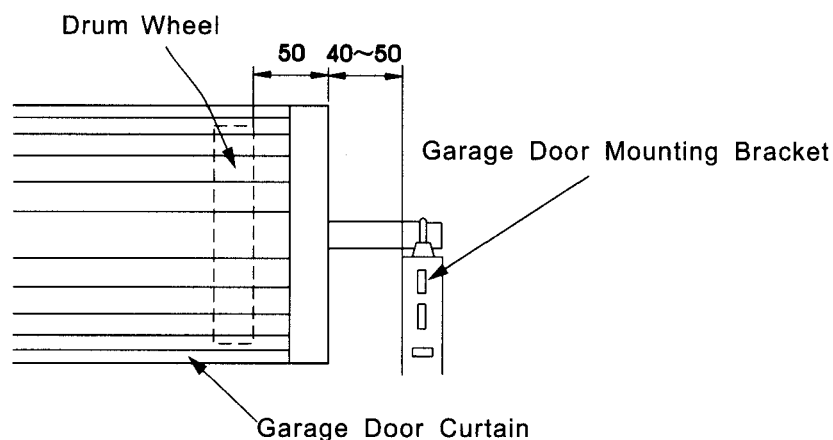


Fig 3

D. Left or Right Hand Installation

The AGDO has been factory set to be installation to the right hand end of the garage door. (When viewed from inside the garage looking out) If the left hand end of the garage door is the preferred side for installation then the procedure outlined in Section E below must be carried out. If the AGDO is to be installed to the right hand end of the garage door skip Section E and proceed to Section 1 of the Installation Instructions.

E. Converting For Right Hand Installation

Locate the red and black motor wires. (Fig.2, Item 17, Polarity Terminals) Unplug the connector and reverse it so that the red and black wires are in opposite positions to that depicted in the diagram.

1. Installing AGDO To Garage Door (Right Hand Installation Shown)

- 1.1 Remove or render inoperative all existing garage door locks.
- 1.2 Ensure that the garage door mounting bracket (on the end of the door to which the AGDO will be installed) is the correct distance from the edge of the garage door curtain before attempting the installation. (Refer Fig.3)
Important Note: In some cases the garage door mounting bracket may need to be re positioned in order that the correct distance to the edge of the garage door curtain is achieved.
- 1.3 Check and ensure that the garage door fastening U-bolt is securely tightened on the opposite end of the garage door to which the AGDO will be installed.
- 1.4 Open the garage door fully and ensure that the bottom stoppers of the garage door have engaged with the upper stoppers on the garage door guide tracks.
- 1.5 Place a suitable prop under the garage door as close to the edge (to which the AGDO will be installed) as possible. The prop should be adjusted so that it sits firmly under the garage door. (Fig.4)

Important Note: The garage door curtain can become quite easily damaged once the full weight of the garage door is imparted on the prop. The prop must be strong enough to sustain the full weight of the garage door but at the same time have enough padding that it will not damage the garage door curtain.

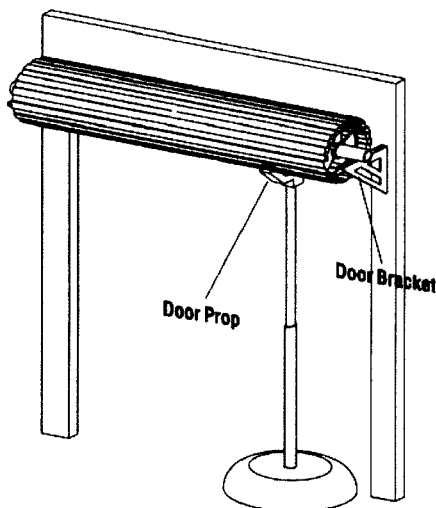


Fig 4

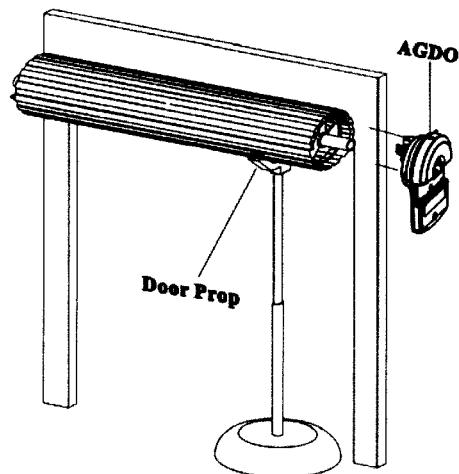


Fig 5

- 1.6 Remove the U-bolt from the end of the garage door to which the AGDO will be installed.
- 1.7 Remove the garage door mounting bracket from the wall. (Fig.5)
- 1.8 Disengage the AGDO drive by pulling down on the release lever or Red Disengage Cord (Fig.9) - the forked drive wheel should now rotate freely.

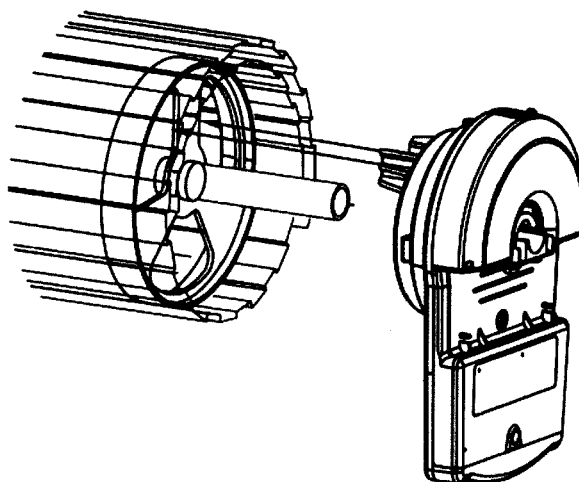


Fig 6

- 1.9 Orientate the AGDO so that its 2 forks line up with the narrowest of the garage door drum wheel spokes. (Fig.6)
- 1.10 Slide the center of the AGDO over the garage door axle and push it fully into the end of the garage door so that the inner face of the AGDO is abutted against the outer face of the garage door drum wheel.
Important Note: Ensure that one of the garage door drum wheel spokes slides *in between* the forks of the AGDO.
- 1.11 Refit the garage door mounting bracket to the wall making sure to tighten the mounting bracket screws securely.
Important Note: The U-Bolt slots in the garage door bracket must align with the U-bolt mounting slots of the AGDO. (Fig.7)
- 1.12 Fully insert the specially supplied U-bolt through the AGDO and garage door mounting bracket slots.
- 1.13 Affix and firmly tighten the U-Bolt with the 2 securing nuts and washers provided.
- 1.14 Check the manual operation of the garage door by fully raising and lowering the garage door several times. The garage door should run smoothly and should not catch on any part of the AGDO assembly.

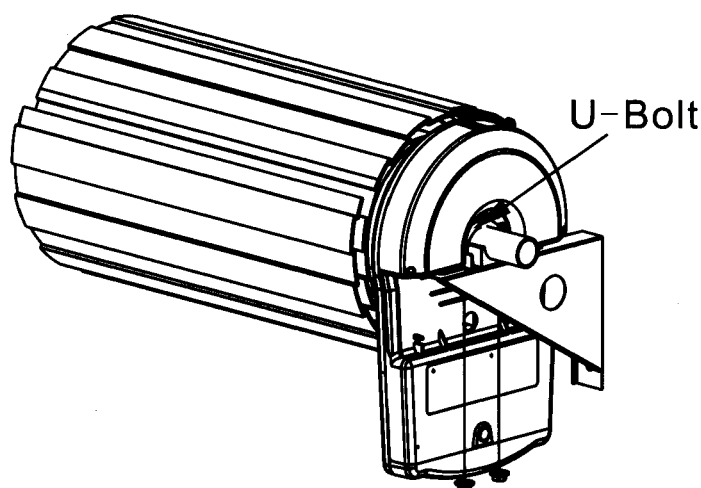


Fig 7

2. Fixing Of Curtain To Drum Wheel

- 2.1 The garage door curtain must be secured to the drum wheel with suitable fasteners such as tec screws or rivets.
- 2.2 With the garage door in the **fully closed** position, mark the curtain at points "A" and "B" ensuring that the fixing points are at least 90 degrees apart. (Fig.8)
- 2.3 Once marked, open the garage door slightly so as to have access to the marked positions. Secure the curtain to the drum wheel as shown.

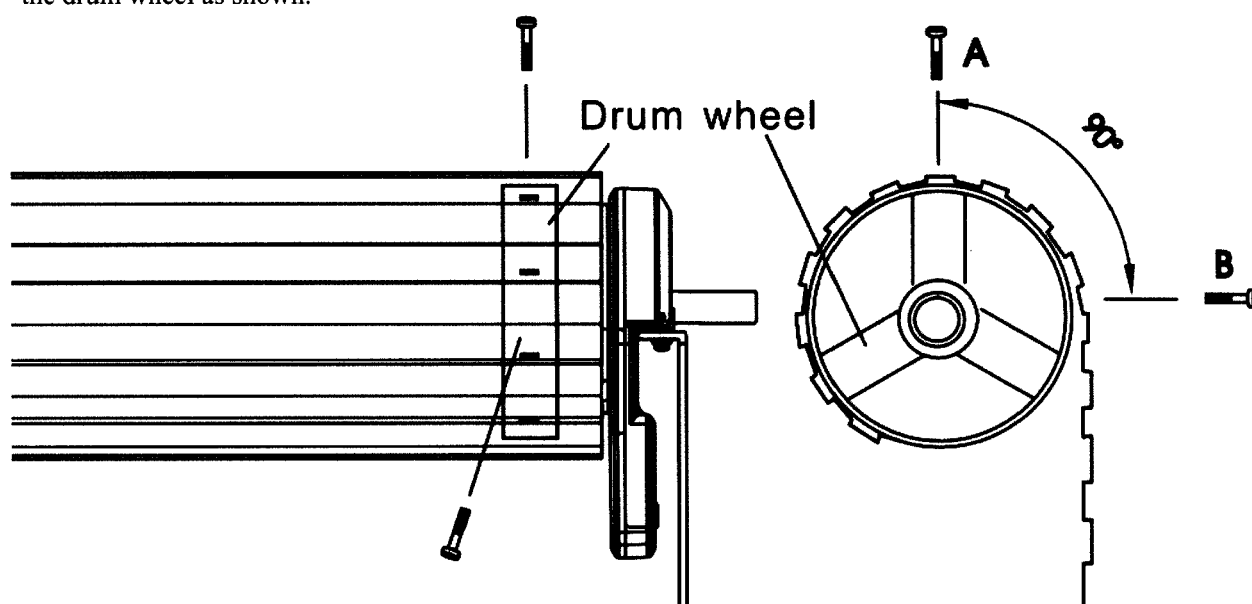


Fig 8

3. Fixing Weight Bar to Garage Door

- 3.1 Fix the weight bar to the top edge of the garage door bottom rail with the screws and nuts provided (Fig.10).

4. Entrapment Warning Label

- 4.1 Peel the backing off the entrapment warning label and affix the label to the wall in a prominent position adjacent to the garage door and AGDO

5. Release Cords

- 5.1 Unfurl the Red Engage Cord and Green Disengage Cord and cut them to an appropriate length so that their ends hang approximately 1800mm above the garage floor.

6. Removing the Light Cover

- 6.1 Apply light thumb pressure on the button and then pull downwards on the Light Cover (Fig.9)

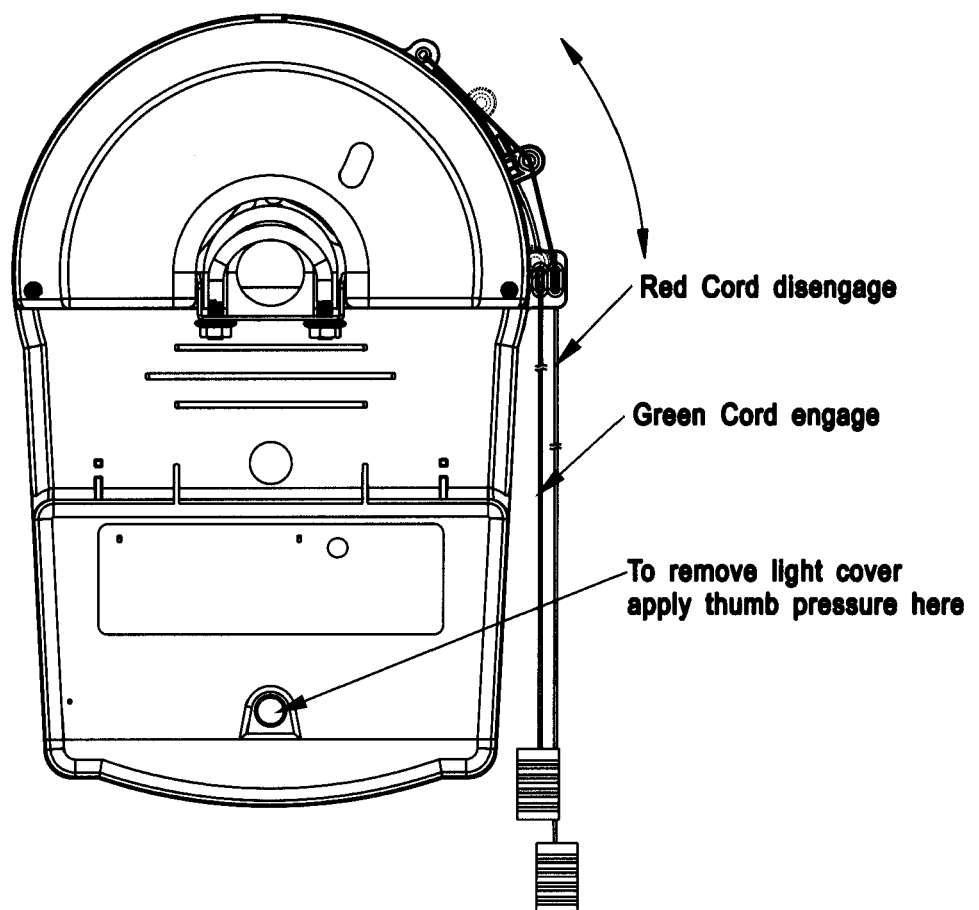


Fig 9

7. Door Travel Adjustment – Open Direction

- 7.1 With the AGDO disengaged move the garage door up by hand to the fully open position.
 - 7.2 Gently remove the Light Cover (Fig.9) to expose the Limit Adjust Cams. (Fig.2 Items 13 & 14)
 - 7.3 Slightly loosen the 3 locking screws (Fig.2 Item 18) to the extent that the Limit Adjust Cams can be rotated by hand with a firm push.
 - 7.4 Rotate the Open Limit Cam (Fig.2 Item 13 – Upper Cam) in the direction of the Open Limit Switch (Fig.2 Item 15 – Upper Switch) until the Open Limit Switch is heard to “click”. Once the Open Limit Switch “clicks” continue to rotate the cam a further 5 degrees or so **towards** the Open Limit Switch.
 - 7.5 Check the Open Limit Switch adjustment by partially lowering the garage door by hand and then slowly raising it again. The Open Limit Switch should “click” approx 50mm **before** the garage door stops make contact with the garage door guide track stoppers.
 - 7.6 If necessary adjust the Open Limit Cam accordingly. (Turn the cam **towards** the Open Limit Switch to **decrease** garage door travel and **away** from the Open Limit Switch to **increase** garage door travel)
- Note: Refer Section 11 for final testing and adjustment

8. Door Travel Adjustment – Close Direction

- 8.1 With the AGDO disengaged move the garage door down by hand to the fully closed position.
- 8.2 Gently remove the Light Cover (Fig.9) to expose the Limit Adjust Cams. (Fig.2 Items 13 & 14)
- 8.3 Slightly loosen the 3 locking screws (Fig.2 Item 18) to the extent that the Limit Adjust Cams can be rotated by hand with a firm push.
- 8.4 Rotate the Close Limit Cam (Fig.2 Item 14 – Lower Cam) by hand in the direction of the Close Limit Switch (Fig.2 Item 16 – Lower Switch) until the Close Limit Switch is heard to “click”. Once the Close Limit Switch “clicks” continue to rotate the Cam a further 5 degrees or so **towards** the Close Limit Switch.
- 8.5 Check the Close Limit Switch adjustment by partially raising the garage door by hand and then slowly lowering. The Close Limit Switch should “click” approx 50mm **before** the garage door touches the ground.
- 8.6 If necessary adjust the Close Limit Cam accordingly. (Turn the cam **towards** the Close Limit Switch to **decrease** garage door travel and **away** from the Close Limit Switch to **increase** garage door travel)
- 8.7 Refer Section 11 for final testing and adjustment

9. Connecting Of AGDO To Power Supply

- 9.1 Connect the AGDO to a properly earthed power supply using the power cord provided.
Important Note: Ensure that the power cord does not touch the moving door and that no excess cord hangs below the AGDO when it is plugged in.
- 9.2 Switch the power on at the power supply.

10. Transmitters Code Learning

- 10.1 Remove the hand held transmitter from the packing box.
 - 10.2 Ensure that the AGDO is disengaged by pulling down on the Red Cord (Fig.9)
 - 10.3 Gently remove the Light Cover. (Fig.9)
 - 10.4 Locate the “Learn” button on the Control Board (Fig.2 Item 5)
 - 10.5 Momentarily press the “Learn” button – “Learn” Indicator Lamp will glow solid (Fig.2 Item 8)
 - 10.6 Momentarily press the hand transmitter button – “Learn” Indicator Lamp will extinguish.
 - 10.7 Momentarily press the hand transmitter button once again – “Learn” Indicator Lamp will begin to flash – once flashing stops the coding sequence has been completed.
 - 10.8 Test for correct function by pressing and holding the hand transmitter button until the AGDO starts to run. (Release the hand transmitter button only once the AGDO starts to run)
 - 10.9 To code another transmitter repeat steps 10.3 to 10.7
- Note: Refer Section 22 for transmitter code erasing.

11. Door Travel - Final Adjustment

- 11.1 Locate the 2 Safety Obstruction Force (SOF) Adjustment Thumb Screws and turn them to the maximum setting in a clockwise direction (Fig.2 Items 6 & 7)
- 11.2 Raise the garage door to a midway position and then pull on the Green Engage Cord to engage the AGDO to the garage door.

Important Note: At this stage of the adjustment procedure, with both of the SOF adjustment screws turned to maximum, severe garage door damage may occur should the garage door encounter an obstruction. Ensure that there are no obstructions under the line of travel of the garage door prior to proceeding to Point 11.4

- 11.3 Test the garage door open and close positions by activating the AGDO (press the transmitter button)
- 11.4 Check that the garage door opens and closes to the required positions. If not then re-adjust the Open and/or Close Limit Cams accordingly. (Refer Sec.7 & 8)

Important Note: Turn the appropriate cam TOWARDS the Limit Switch to DECREASE garage door travel and AWAY from the appropriate Limit Switch to INCREASE garage door travel.

- 11.5 Once finally adjusted firmly tighten the 3 Limit Cam Locking Screws.

12. Safety Obstruction Force Adjustment (SOFA) – Close Direction

- 12.1 With the garage door in the fully **open** position and engaged to the garage door activate the AGDO. As the garage door commences to **close** slowly begin to turn the Close Direction “SOFA” screw (Fig.2 Item 6) in an anti clockwise direction until the garage door stops and reverses towards the **open** direction. (The garage door must stop and reverse before it reaches the ground) Now turn the “SOFA” screw 10 degrees in a **clockwise** direction.
- 12.2 Test the adjustment several times by activating the AGDO. Each time the garage door should reach the fully closed position without reversing.

13. Safety Obstruction Force Adjustment (SOFA) Testing – Close Direction

- 13.1 With the garage door in the fully open position, place a timber block measuring 100mm x 40mm on the floor directly under the middle of the garage door. (Fig.10)
- 13.2 Activate the AGDO and as the garage door strikes the timber it should automatically stop and then re-open.
- 13.3 If the garage door does not re-open or requires excessive force to re-open then the Close Direction “SOFA” screw (Fig.2 Item 6) will need to be re-adjusted. Turn the Close Direction “SOFA” screw 5 to 10 degrees in an **anti-clockwise** direction and then test for correct function as per point 13.2

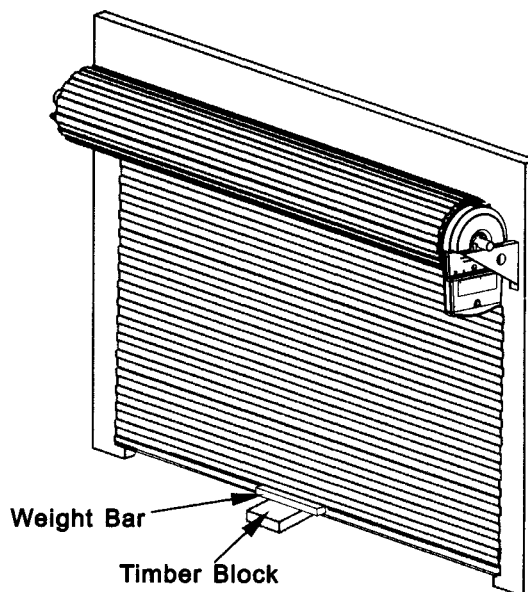


Fig 10

14. Safety Obstruction Force Adjustment (SOFA) – Open Direction

- 14.1 With the garage door in the fully **closed** position activate the AGDO. As the garage door commences to **open** slowly begin to turn the Open Direction “SOFA” screw (Fig.2 Item 7) in an anti clockwise direction until the garage door stops. (The garage door must stop and reverse **before** it reaches the fully open position) Now turn the “SOFA” screw 10 degrees in a **CLOCKWISE** direction.
- 14.2 Test the adjustment several times by activating the AGDO. Each time the garage door should reach the fully **OPEN** position without stopping.

15. Safety Obstruction Force Adjustment (SOFA) Testing – Open Direction

- 15.1 With the garage door in the fully **closed** position activate the AGDO. As the garage door commences to **open** push down firmly on the bottom rail of the garage door (middle of the door from the inside)
 - 15.2 The garage door should stop without having to exert excessive force.
 - 15.3 If excessive force is required to stop the garage door then the Open Direction “SOFA” screw (Fig.2 Item 7) will need to be re-adjusted.
 - 15.4 Turn the Open Direction “SOFA” screw 5 to 10 degrees in an anti-clockwise direction and then repeat steps 15.1 ~ 15.4 until such time as the garage door will stop without excessive force.
 - 15.5 If the force is too light then turn the Open Direction “SOFA” screw 5 to 10 degrees in a clockwise direction
- Important Note: Upon hitting an obstruction – If the garage door STOPS during the CLOSING CYCLE and REVERSES during the OPENING CYCLE - then the motor wires are incorrectly connected and MUST BE reversed to enable safe and correct operation of the Safety Obstruction Force system (Refer Pg 6 Sec. D & E)**

16. Output Terminals

- 16.1 The AGDO provides a 24VDC external power supply to support the connection of external accessories.
 - 16.2 The value of each terminal is as follows: 9A ~ Com, 9B ~ Neg, 9C ~ +24VDC (Fig.2 Items 9A, 9B & 9C)
- Important Note: For connection of any external accessory other than Safety Beams the jumper plug J8 (Fig.2 Item 12) must be positioned so that the middle and right hand pins are connected. The AGDO will NOT support the simultaneous connection of Safety Beams AND external receiver.**

17. Wall Button – Optional

- 17.1 If required, a hard wired normally open momentary contact type wall button can be connected to the AGDO.
 - 17.2 Using Figure 8 Cable, strip back both ends of the cable and connect 2 strands of one end to terminals 9A & 9B located on the Control Board. (Fig.2)
 - 17.3 Connect the 2 strands on the opposite end of the cable to the terminals located on the back of the wall button.
- Important Note: The wall button must be mounted within sight of the door and a reasonable distance away from moving parts. It should be mounted at least 1500mm above the ground.**

18. Safety Beams - Optional

- 18.1 If required a set of safety beams can be connected to the AGDO
- 18.2 Locate the Safety Beam Mounting Brackets provided.
- 18.3 Mark the inside door framing so that the bottom edge of the Mounting Brackets sit 125mm off the floor.
- 18.4 Use the 2 mounting screws provided to fasten each Mounting Bracket to the wall. Do not over tighten the fixing screws as the Mounting Brackets will need to undergo adjustment at a later time.
- 18.5 Use the 2 screws and nuts provided to fasten the Safety Beams to the Mounting Brackets so that the Indicator Lamp on each Safety Beam is facing upwards.
- 18.6 Using Figure 8 cable, strip back and connect the 2 strands of one end of the cable to each of the 2 terminals located on the outer cover of each Safety Beam.
- 18.7 Securely fix the cable up and along the wall and run one length of each cable over to the AGDO.
- 18.8 Strip back and connect one strand of each cable to the terminals marked 9B & 9C (Fig.2)

- 18.9 A green pilot light on the Safety Beam “emitter” will illuminate to indicate correct connection.

Important Note: For the Safety Beams to function correctly the jumper plug J8 (Fig.2 Item 12) must be positioned so that the middle and left hand pins are connected. The AGDO will only support the fitment of Superlift brand 2 wire Safety Beams.

19. Safety Beams - Alignment

- 19.1 Align the 2 Safety Beams (by turning the mounting bracket) so that their lenses are aimed directly at each other. A red indicator lamp on the Safety Beam “receiver” will glow solid once correct alignment has been achieved.
- 19.2 Test the Safety Beam alignment several times, each time ensuring that when the Safety Beams are obstructed the red indicator lamp is extinguished, and when unobstructed the indicator lamp glows solid.
- 19.3 Firmly tighten the Safety Beam mounting bracket fixing screws - installation of Safety Beams is now complete.

20. Safety Beam – Function Testing

- 20.1 To enable the Safety Beams move dip switch number No.1 (in the row of 4 dip switches) to the “ON” position. (Fig.2 Item 1)
- 20.2 Activate the AGDO and as the garage door is closing pass a hand through the line of the Safety Beams. If they are functioning correctly the AGDO should stop and then immediately reverse direction.
- 20.3 If the garage door commences a close cycle but stops and reverses before the Safety Beams are blocked, check that the Safety Beams are aligned correctly as outlined in points 19.1 ~ 19.3

21. Auto Close Mode

- 21.1 In Auto Close Mode the AGDO will automatically close a pre set time after it reaches the garage door fully open position.
- 21.2 To enable Auto Close Mode move dip switch No.2 (in the row of 4 dip switches) to the “ON” position. (Fig.2 Item 2)
- 21.3 The Auto Close pre set time is determined by the position of dip switches Nos. 3 & 4 (Fig.2 Items 3 & 4) and is set out in the following table: 15 sec = Dip 3&4 Down b. 30 sec = Dip 3&4 Up
- Important Note: Auto Close Mode will only work if Safety Beams have been enabled and correctly aligned.**

22. Transmitter Code Erasing

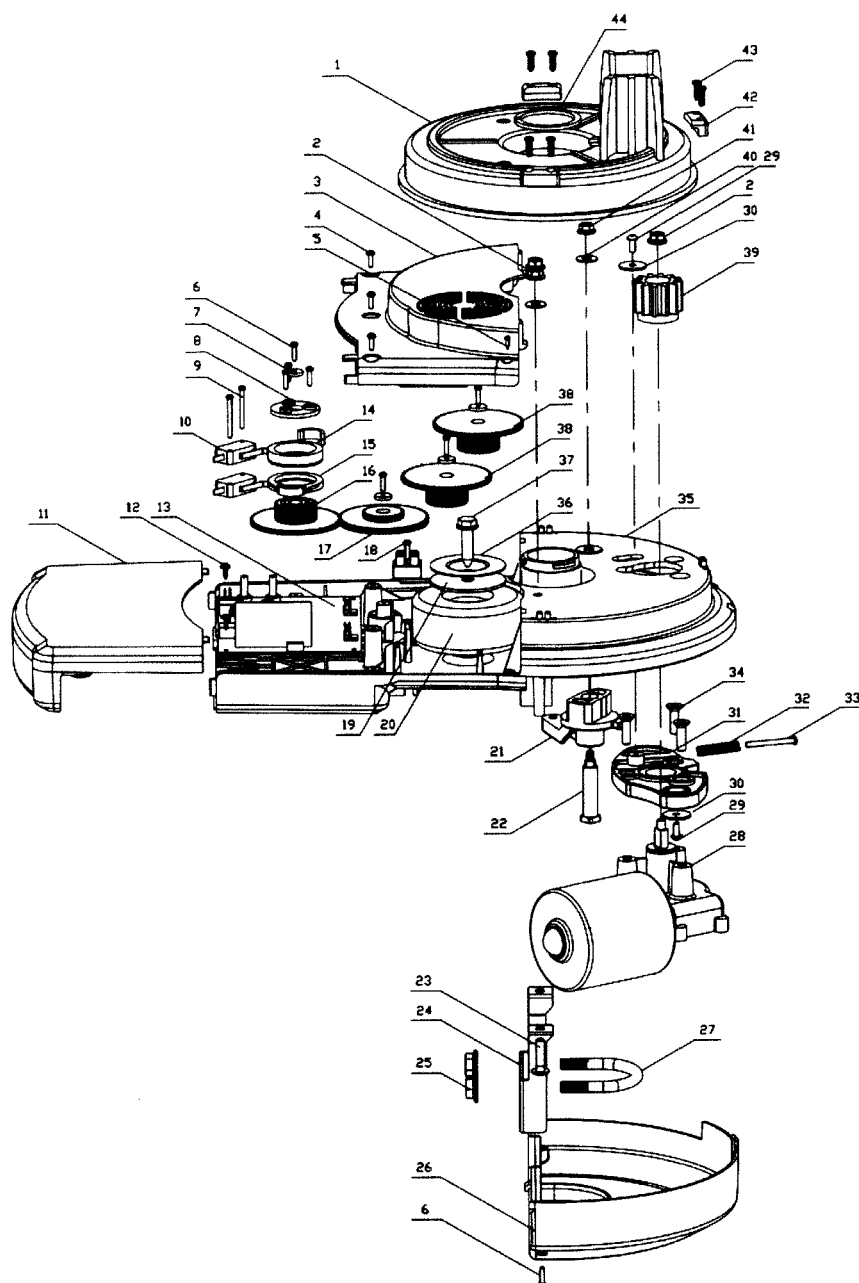
- 22.1 Gently remove the Light Cover (Fig.9)
- 22.2 Switch the AGDO off at the power supply.
- 22.3 Press and hold down the “Learn” button (Fig.2 Item 5)
- 22.4 While continuing to hold down the “Learn” button - switch the power on at the power supply.
- 22.5 After a few seconds the Learn Indicator Lamp (Fig.2 Item 8) will begin to flash.
- 22.6 Once the Learn Indicator Lamp stops flashing release the “Learn” button and all of the previously stored codes will have been deleted.

Note: Refer Section 10 for transmitter code learning.

SYMPTOM	POSSIBLE CAUSES	REMEDY
Garage Door will not operate	Mains power not turned on Garage Door is obstructed	Turn on mains power Remove obstruction
Garage Door is locked or motor jammed	Mechanical door lock has been engaged	Unlock door Inspect door and remove jam
Garage Door will not reverse on hitting an object	Safety Obstruction Force setting is too high and may require adjustment.	Refer Sec.12 ~ 15
Garage Door moves downwards and reverses itself upwards before reaching the closed position.	Safety Obstruction Force setting is too light and may require adjustment. Adverse weather conditions (wind or cold) causing door to stiffen and become tight. Possible obstruction under door	Refer Sec.12 ~ 15
Garage Door operates from drive unit but not from hand transmitter	Transmitter is damaged or broken Transmitter Code has not been programmed into the receiver Control Box antenna wire not extended Battery flat.	Try to operate the AGDO with an alternative transmitter. Refer Sec.10 Locate and extend aerial wire Replace battery(12V)
Garage Door does not close fully	Limit micro switch incorrectly adjusted	Re-adjust limit switch - Refer Sec.7, 8 & 11
AGDO Lights malfunction	Check for blown globe	Replace with 24VDC/10W Edison Screw globe
Garage Door Stops on Upward cycle before reaching the fully open position	Garage Door may be obstructed. Garage Door springs may have lost tension Safety Obstruction Force may need adjustment	Disengage AGDO and check garage door for free movement Call serviceman to affect repairs Refer Sec.12 ~ 15
Auto close not working	P.E. Beam faulty or wiring broken P.E. Beam obstructed Auto close time not set	Repair P.E. or broken wire Remove obstruction from the path of beam. Refer Sec.18 ~ 21

TECHNICAL SPECIFICATIONS

CONFIGURATION:	One piece drive unit and electronic controls
INPUT VOLTAGE:	220~240 VAC
SECONDARY VOLTAGE:	24V AC 75 VA
CONTROLLER VOLTAGE:	24V DC
OPENER LIFTING FORCE:	300N
MAX LIFTING HEIGHT:	4.5 Turns of Door Drum Wheel
RECEIVER CODE STORAGE CAPACITY:	6 Transmitter Codes
TRANSMITTER TYPE:	433 MHz Hopping Code
No. of CODE COMBINATIONS:	Over 4.2 Billion
TRANSMITTER BATTERY VOLTAGE:	12 Volt
MOTOR TYPE:	24 Volt DC Permanent Magnet
GLOBE:	10W 24 V DC Edison screw Type
SAFETY REVERSING SYSTEM:	Pot Adjustable Current Sensing.



Item	Qty.	Description	Part No.	Item	Qty.	Description	Part No.
1	1	Sun Gear	311-100-00	23	2	Gutter Bolt M6 x 18	200-S14-00
2	3	Nut M6 Wizzlock	201-101-00	24	1	Brace Plate	221-103-00
3	1	Transformer Cover	301-023-00	25	2	Nut M8 Wizzlock	201-100-00
4	3	Self Tapping Screw ST3.5X10	200-006-00	26	1	Motor Cover	301-021-00
5	2	Self Tapping Screw ST2.2X7	200-000-00	27	1	U-Bolt (M8 Special)	200-S01-00
6	9	Self Tapping Screw ST2.9X12	200-103-00	28	1	DC Motor	111-007-00
7	4	Limit Cam Retainer Washer	311-003-00	29	2	Self Tapping Screw ST4.2X10	200-108-00
8	1	Limit Cam Retainer	311-002-00	30	2	Washer Flat Ø5 x 20	202-016-00
9	2	Self Tapping Screw ST2.9X30	200-102-00	31	1	Motor Plate	311-007-00
10	2	Limit Micro Switch	180-001-00	32	1	Spring - Motor Plate Pin	205-002-00
11	1	Light Cover	301-022-00	33	1	Pin (Motor plate)	311-001-00
12	2	Self Tapping Screw ST2.9X8	200-002-00	34	3	Screw M6 x 18 Counter Sunk Phillips	200-500-00
13	1	Logic PCB Control Board	100-102-00	35	1	Base	301-019-00
14	1	Limit Cam (Upper)	311-102-00	36	1	Transformer Mount Plate	221-101-00
15	1	Limit Cam (Lower)	311-101-00	37	1	Self Tapping Screw ST8X30	200-205-00
16	1	Limit Gear 1	311-103-00	38	2	Limit Gear 3	311-107-00
17	1	Limit Gear 2	311-104-00	39	1	Motor Sprocket	231-A00-00
18	1	Self Tapping Screw ST2.9X15	200-107-00	40	1	Washer Flat Ø6 x 15	202-004-00
19	1	Rubber Washer	400-000-00	41	1	Nut M5 Wizzlock	201-103-00
20	1	Transformer Toroidal	142-011-00	42	3	Sun Gear Holder	301-024-00
21	1	Manual Release Lever	311-005-00	43	6	Self Tapping Screw ST4.2X14	200-101-00
22	1	Locating Pin	204-S00-00	44	1	Retainer (Sun Gear)	301-300-00

