

Part of the Wessex Mouldings Group

# **Type H Overdor Gear Erection Details**

Retractable Type with Horizontal Side Tracks For metal, timber and glass fibre doors from 27 kg (60 lb) to 91 kg (200 lb)

## First of all, take a seat!

Having done that, read these instructions all the way through - it'll make things easier when you begin work.

## Next – check the parts list

- Start by carefully laying out all of the contents supplied in the carton. (DON'T throw away any packaging until you have (1)completed fitting the door.)
- Check off each item against the parts list and the diagrams overleaf to make sure you have the correct quantity of (2)everything.
- If any of the parts are missing, do check carefully through the packing materials as items are sometimes missed first (3)time around.
- We at Wessex are proud of our quality control system. Each carton is carefully packed and checked. However, even (4)with the best quality control system in the world, problems can arise. Should you have such a problem, please contact us on (0202) 825451 and we will do our best to solve it quickly.

### The Parts List:

- 1900 mm (6' 3") top track complete with front brackets 2
- 2 Rear track brackets with buffer stops
- Door roller brackets (already fitted on metal doors) 2 Door rollers 2
- Pivot Arms (can be used left or right handed) 2
- 2 Tension springs
- Spring anchor brackets 2
- 2 Hook adjuster bolts and nuts
- Door (short) weather strips (already fitted on metal doors) 2 2 Jamb (long) weather strips
- 2
- Locking bar cam keeps (not required on metal doors) 2
- Locking bar saddles (already fitted on metal doors)
- 2 Locking bar staples (already fitted on metal doors) 1 Internal release handle (locking bars fitted)

## **Tools required:**

Superdrive No. 2 Screwdriver Slotted Screwdriver, medium size Slotted Screwdriver, large size Hand or Electric Drill 1.95 mm (1/16") Drill Bit (Pilot hole for No. 8 screws) 2.25 mm (3/32") Drill Bit (Pilot hole for No. 10 screws) 2.75 mm (1/8") Drill Bit (Pilot hole for No. 14 screws) 4.80 mm (3/16") Drill Bit (Pilot hole for M8 coachscrews) 9.5 mm (3/8") Drill Bit

- External handle pre-pack (comprising 1 lock, 3 keys, 1 2 M6 countersunk screws, 1 foam gasket)
- 1
- Strap handle and clamp plate (already fitted on metal doors) 38 25 mm (1") × No. 8 Round head woodscrews (12 only in metal door pack)
- 12 38 mm (11/2") × No. 10 Round head woodscrews (4 only in metal door pack)
- 4 38 mm (11/2") × No. 10 Countersunk head wood screws
- 10 38 mm (11/2") × No. 14 Round head woodscrews
- M8 × 40 Hex head coach screws (for timber/glass fibre 1 doors) or M8 × 20 Hex head set screws (for metal doors)
- 1 M10 × 90 Carriage bolts, with nuts and washers
- 2 Bottom jamb weatherstrips, 300 mm (12") (included on doors over 2134 mm (7'0") high

11 mm (7/16") Drill Bit (not required for metal doors) 22 mm (7/8") Drill Bit (not required for metal doors) Bradawl - useful but not essential Pliers Hacksaw Hand File Oil Can and Grease **Builders Level** 

### Please note

All dimensions are shown in millimetres (inches)

For ease of fixing side tracks to walls, fully adjustable reveal brackets are available as an extra (4 sizes covering 0-600 mm (0"-24") deep reveals). Alternatively timber packers or supports will have to be made on site. It is important that the correct size pilot holes are drilled for all wood and coach screws. In soft timber frames a bradawl can be used for the No. 8 screws. Coach bolts and nuts for standard 75 mm (3") jambs

and all fixing screws are provided. Ensure that lubrication instructions are carried out.



Ensure that timber opening size is true and square and that door is 19 mm (¾") less in width and height,
i.e. with a 10 mm (¾") working clearance at top, bottom and both sides.
The side jamb members must be securely fixed.



.





#### **Installer** Please leave these instructions with the householder.

#### **Automatic Operation**

The Wessex 'Ariel' Overdor Gear, retractable type with horizontal side tracks is the ideal operating gear for automatic door opening.

The Wessex Lift Boy, Model G.B.1. screw drive operator is recommended for both large and small garage doors and is operated from inside the car for maximum comfort, convenience and security with a positive, smooth action.



Full details, prices, fitting charges etc. available on request, without obligation.

#### WESSEX GARAGE DOORS LIMITED

Bessemer Close Ebblake Industrial Estate Verwood, Wimborne Dorset BH31 6AZ

CODE

10/94

GREEN

Telephone: (01202) 825451 Telefax: (01202) 823242

The clearance at the top of the door can be weathered with a 13 mm (½") maximum thickness timber batten (19 mm (¾") maximum on metal doors). The bottom clearance can be weathered with No. 198 weatherseal (metal and timber doors only – NOT glass fibre doors). See Fig. 12.



#### 16. IMPORTANT.

**IVIPORTIAIVI.** Finally – carry out lubrication. Oil all pivot points, rollers and bearings and grease spring attachment points. To ensure continued smooth operation of your door carry out lubrication on a regular basis. Two or three times a year should be sufficient.

### **Locking Arrangements**

To secure external handle, drill one 22 mm ( $7_{6}$ ") diameter and two 11 mm ( $7_{16}$ ") diameter holes (using template provided) in the centre of door and not more than 1372 mm (4'6") from top of door (already prepared on metal doors).

Doors 2362 mm (7'9") and over in height can have the external handle positioned as above or below 2134 mm (7'0") from top of door.

IMPORTANT: Check which position is most suitable for your own application before drilling.

The handle MUST NOT be fitted at any point between 1372 (4' 6") and 2134 mm (7' 0") from top of door. Fit as near as possible to 1372 mm (4' 6"), subject to door style.

If no solid door member is available in the lock position it will be necessary to fit a block to the inside of the door in order that the handle can be correctly fitted.

Fit locking bar staples on centre line of lock with 25 mm (1")  $\times$  No. 8 Round head screws (pilot with 1.95 mm (1/16") drill or bradawl) (already fitted on metal doors). See drawing.

Prepare locking bars by cutting each bar to length (half door width plus 13 mm (1/2")). Cut square and remove all burrs and round off corners with file. Doors over 2590 mm (8' 6") wide have each locking bar in two pieces. Assemble as instructions attached to locking bar set before cutting to size.

The external lock spindle and fixing screws should be cut to suit the door thickness. Lock spindle to be flush with inner face of door. Remove burrs and round off lock spindle corners (already prepared for metal doors).

Fit external and internal handles with locking bars to door with M6 countersunk screws. Lubricate lock spindle before inserting into internal release handle. Check operation.

For doors over 2590 mm (8' 6") wide, fit locking bar saddles centrally over each bar with 25 mm (1")  $\times$  No. 8 Round head screws (pilot with 1.95 mm (1/<sub>16</sub>") drill or bradawl) (already fitted on metal doors). See drawing.

Finally locate and fit locking bar cam keeps on centre line of locking bars 10 mm (3/6'') from edge of jamb weatherstrip to leading edge of cam keep. See drawing. Using holes in cam keeps as template drill through weatherstrip only with 4.80 mm (3/16'') drill and fit cam keeps with 25 mm (1'') × No. 8 Round head screws (pilot with 1.95 mm (1/16'') drill or bradawl) (not required on metal doors).

### External and internal handles and locking bar positions are most important. They MUST be assembled and fitted exactly as illustrated.

The button on the internal handle disengages locking bars from the external handle. When securing door from inside, the external handle MUST be locked in the vertical position by the key.

#### Locking arrangements shown in locked position and with external handle locked



