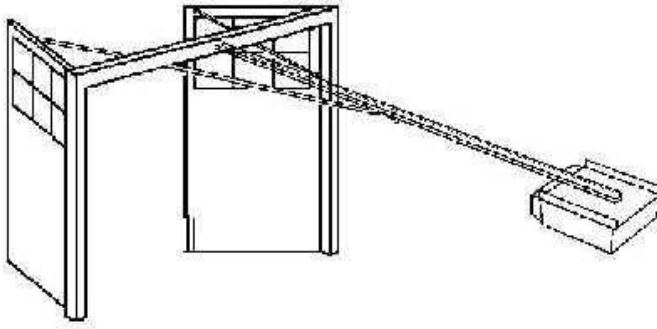


FITTING INSTRUCTIONS

AP2006 Side hinged door operating arm kit

For the automation of a pair of traditional outward opening side hinged barn type garage doors



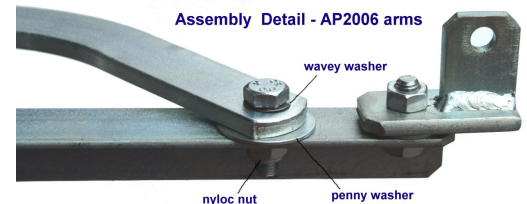
A normal AP2006 kit suits overall opening widths up to 3mtrs. type AP2006/HD suits openings from 3.1mtrs to 3.6mtrs.

For use with any electric garage door operator with provision for safety stop logic reversal

Recommended operator: Seip TS75

The Seip TS75 has a very sophisticated self learning safety stop system to provide the high level of protection required on side hinged doors and also incorporates a safety stop logic reversal switch for outward opening doors to avoid the need for special modification when used on this type of door

1. Close the doors and check that the lapping edges are not jamming and that the doors are closing properly at the bottom.
 2. Assemble the electric operator according to the manufacturers instructions and reverse the motor & limit switch connections so that the motor's safety reverse function operates during door closure. (when trolley is moving towards motor)
- Note:** If using a Seip TS75 electric operator, DIP switch No.6 on the P.C.B. should be set to the "ON" position, this will reverse the TS75's logic system to suit barn doors so that the motor's safety reverse system functions correctly during door closure.
3. Fix the door header track bracket 20mm above the bottom edge and centrally on the door frame header.
 4. Install the electric operator according to the manufacturers instructions, keeping the track horizontal.
 5. Lay the AP2006 door arms on the floor, swap the arms if necessary to suit door handing by reversing the "L" arm (the hockey stick shaped bracket) thus enabling the shortest arm (with the longer sliding travel) to be attached to the door that is rebated to close first. (as delivered, AP2006 arms are assembled for the LH leaf to close first when viewed from outside)
 6. **Important:** the bolt attaching the hockey stick bracket to the main arm should be fitted with a nyloc nut & wavy washer and tightened to allow the bolt to rotate and thus function as a pivot point to allow the two arms to swing apart freely.



7. Make a pencil mark at the top of both doors 1 mtr. from the hinged edge. (1.2 mtrs for type AP2006/HD)
8. **Important:** Check that the M8 locking nut on the swivel bracket at the end of the arms is secure but not too tight because **it is essential that the swivel bracket can rotate freely by hand**
9. Attach the swivel bracket to the sliding trolley of the electric operator
10. Fix the other ends of arms to the doors at the 1 mtr. pencil mark using 8mm x 40mm coach screws. Hint: use a strap to support one arm while attaching the other arm to the door.
11. Lubricate all moving & sliding parts with oil. (engine oil recommended)

Engage and carefully run the electric operator and set the open & close limit stop adjustments, use the "open" limit adjustment to set the desired stop position when fully open, the "close" limit adjustment should be set to stop the motor when the doors have closed and extended the sprung loaded door arms.
(note:- the "OPEN" and "CLOSE" markings on the white cog wheel will be reversed as a result of DIP switch No.6 being altered)

Notes:

- a/ Check the safety-stop system and make adjustments to the trip sensitivity if required, the motor must reverse if the doors are obstructed while closing (see step 2.)
- b/ If no alternative access is available a cable operated external release device should be fitted to enable manual operation in the event of power failure.
- c/ All moving parts should be lubricated annually (engine oil recommended)
- d/ To prevent loss & damage from forced entry our Securi-Dor bottom locking kit model AP2007 can be fitted to automatically secure the doors at the bottom when closed.
- e/ **Important:** the fixing bolts on the AP2006 arms should be checked regularly for correct tightness (as detailed in steps 6 & 8 above)

For Securi-Dor bottom locking use our optional Securi-Dor AP2007 Automatic Bottom Locking Upgrade