

## FITTING INSTRUCTIONS – CANOPY DOOR GEAR

**WARNING – DO NOT REMOVE CROOK PIN UNTIL STEP 7 OF INSTALLATION**

### PREPERATION

BRICKWORK OPENING SHOULD BE FRAMED WITH GOOD QUALITY TIMBER MINIMUM SIZE 70mm x 70mm. FRAME MUST BE SQUARE AND PLUMB IN BOTH PLANES.

### STEP 1a

IF GEAR HAS BEEN PURCHASED INDEPENDENTLY OF THE DOOR, THE DOOR GEAR MOUNTING CHANNELS AND STEEL “TOP” WEATHER STRIPS WILL NEED TO BE ATTACHED TO EACH SIDE OF REAR FACE OF DOOR.

TOP WEATHER STRIPS HAVE A “D” SHAPED TAB AT THE WIDEST END TO ACT AS A LOCATION AGAINST THE SIDE OF THE DOOR AND ARE HANDED LH/RH POSITION THE WIDEST PART OF THE WEATHERSTRIP TO BE LEVEL WITH THE TOP EDGE OF THE DOOR. ENSURING THAT “D” SHAPED TAB IS FIRMLY AGAINST THE VERTICLE EDGE OF THE DOOR. MAKING SURE THAT THE SHORT VERTICLE EDGE OF THE LOWER END OF THE WEATHER STRIP IS FLUSH WITH THE VERTICLE EDGE OR THE DOOR, WHICH SHOULD RESULT IN THE WEATHER STRIP OVERLAPPING THE EDGE OF THE DOOR BY APPROX 19mm.

MOUNT DOOR GEAR CHANNEL ON TOP OF THE WEATHER STRIP SUCH THAT CORRESPONDING FIXING HOLES LINE UP.

IF YOU HAVE FITTED CORRECTLY THE BOTTOM END OF THE CHANNEL CONTAINING THE WHEEL, SHOULD BE LEVEL WITH THE BOTTOM OF THE WEATHER STRIP AND THE OUTER SIDE OF CHANNEL FLUSH WITH VERTICLE EDGE OF DOOR.

NOW INSERT FREE END OF DOOR ARMS INTO MAIN SURPPOINT BRACKET TUBES UNTIL THE END HOLE IS EXPOSED AND SECURE USING SPLIT PINS PROVIDED IN SCREW. PACK. ENSURE LEGS OF SPLIT PIN ARE BENT OVER SUFFICIENTLY TO PREVENT PIN FROM WORKING ITS WAY OUT OF HOLE. THE RED CONE AND CROOK PIN SHOULD BE TO THE RIGHT HAND SIDE. CAREFULLY LOWER SPRING ASSEMBLY ONTO BACK OF DOOR.

### STEP 1b

IF GEAR HAS BEEN ALREADY MOUNTED TO BACK OF DOOR THEN REMOVE THE TWO JAMB CHANNELS TAPED TO SPRING AND PLACE TO ONE SIDE FOR USE STEP 6. REMOVE TRANSIT PLATES AND SCREWS SECURING SPRING ASSEMBLY AND CAREFULLY LOWER ASSEMBLY ONTO BACK OF DOOR.

### STEP 2

WEDGE DOOR SQUARELY IN THE TIMBER FRAMED OPENING TO MAINTAIN A 10mm(3/8) GAP AT THE TOP, BOTTOM & SIDES (IF TOLERANCES VARY GREATLY FROM THAT STATED, ADJUST FRAME TO SUIT)

PROP DOOR IN PLACE WITH SUITABLE POLE TO SECURE WHILST FITTING.

### STEP 3

FIX SPRING SUPPORT BRACKET CENTRAL TO OPENING (OR IN LINE WITH SPRING LOADED LOCK CATCH IF FITTED TO DOOR) USING 3No 22mm(1 1/4”) WOOD SCREWS SUPPLIED

IF SPRING LOADED LOCK CATCH HAS ALREADY BEEN FITTED TO TOP OF DOOR, ENSURE THAT THE GAP BETWEEN THE BOTTOM OF THE SPRING SUPPORT BRACKET AND THE TOP OF THE STRIKE PLATE IS 15mm (REFER SHEET 3/3)

### STEP 4

RAISE SPRING ASSEMBLY AND PLACE SPRING INTO SUPPORT BRACKET. (SLIGHTLY BEND BRACKET DOWNWARDS TO EASE PASSAGE OF SPRING, THEN BEND BACK UP TO ORIGINAL LOCATION) PLACE LOOPED END OF CABLES OVER ROLLER WHEELS AND LOCATE ON SPINDLES, ENSURING THAT CABLES PASS DOWN THE BACK OF CONES DIRECTLY TO ROLLER SPINDLES.

**STEP 5**

BEFORE FIXING SPRING ASSEMBLY MAIN SUPPORT BRACKETS ENSURE THAT THE NYLON CONES DO NOT FOUL ADJACENT BRICKWORK OR ANY OTHER OBSTRUCTIONS WHICH WOULD PREVENT THEIR ROTATION

POSITION MAIN SUPPORT BRACKETS FLAT AGAINST FRAME HEAD WITH ARMS HANGING PARALLEL TO DOOR EDGES, THEN DRILL 5mm DIA. PILOT HOLES IN CENTRE OF SLOT IN TOP OF BRACKETS. FIX WITH M 8 x 60 COACH SCREWS AND WASHERS PROVIDED IN SCREW PACK. CHECK TO ENSURE THAT ARMS ARE STILL PARALLEL TO EDGES OF DOOR AND THAT CONES ARE NOT OBSTRUCTED. CHECK THAT LEFT HAND BRACKETS IS HELD JUST AGAIN WHITE CONE AND ADJUST IF REQUIRED. DRILL AND FIX COACH SCREWS INTO BOTTOM SLOT IN BRACKETS. MAKE SURE COACH SCREWS ARE TIGHT.

**STEP 6**

ENGAGE JAMB CHANNELS AROUND ROLLER WHEELS SO THAT WHEEL FACE JUST TOUCHES INSIDE BACK FACE OF CHANNEL. TO SET HEIGHT POSITION, TAKE ANGLE "KICK" PLATE AND LOCATE STEP UNDER ROLLER SPINDLE WITH UPSTAND BEHIND SPINDLE. LINE BOTTOM HOLE OF JAMB CHANNEL WITH TOP HOLE IN "KICK" PLATE AND SECURE TO TIMBER FRAME WITH WOOD SCREWS PROVIDED IN SCREW PACK. NOW PLUMB CHANNELS AND INSERT FIXING SCREWS CENTRALLY IN TOP SLOTTED HOLE.

**STEP 7**

CHECK THAT CABLES ARE WITHIN THE JAMB CHANNELS WITH THE LOOPED END ENGAGED IN ROLLER SPINDLE GROOVE. EASE SPRING TENSION BY PULLING DOWN ON RIGHT HANDSIDE CABLE WHILST REMOVING CROOK PIN FROM SUPPORT BRACKET ABOVE. ALLOW TENSION TO RETURN AND RELEAS CABLE FIRST ENSURING THAT THE CABLE IS NOT FOULED BY THE JAMB CHANNEL OR DOOR WEATHER STRIP. **IMPORTANT-** ENSURE THAT WHEN BOTH CABLES ARE UNDER TENSION, **THE CABLES IS LOCATED IN THE OUTERMOST GROOVE OF THE CONE ON SPRING ASSEMBLY**

**STEP 8**

OPEN DOOR SLOWLY AND CHECK THAT THE CABLES WIND CORRECTLY ONTO CONES WITHOUT "CROSS THREADING" AND THAT THE DOOR OPERATES WITH THE DOOR SIDE ROLLERS RUNNING FREELY UP AND DOWN WITHIN THE JAMB CHANNELS. ADJUST IF NECESSARY, FINALLY FITTING SCREW INTO CENTRE HOLES OF CHANNELS ENSURING TOP & BOTTOM SCREW ARE ALSO TIGHTENED.

**STEP 9**

FIT RUBBER WEATHER STRIPS TO TIMBER FRAME UPRIGHT USING GALVANISED CLOUT NAILS PROVIDED, SUCH THAT STRIP OVERLAPS DOOR BY 10mm (3/8)

**STEP 10**

**IMPORTANT** - SECURELY FIT 20mm x 20mm TIMBER BATTEN TO THE UNDERSIDE OF OUTER EDGE OF THE FRAME HEAD. THIS ENSURES THAT DOOR OPENS ONLY TO CORRECT HEIGHT AS WELL AS PROVIDING A TOP WEATHER SEAL

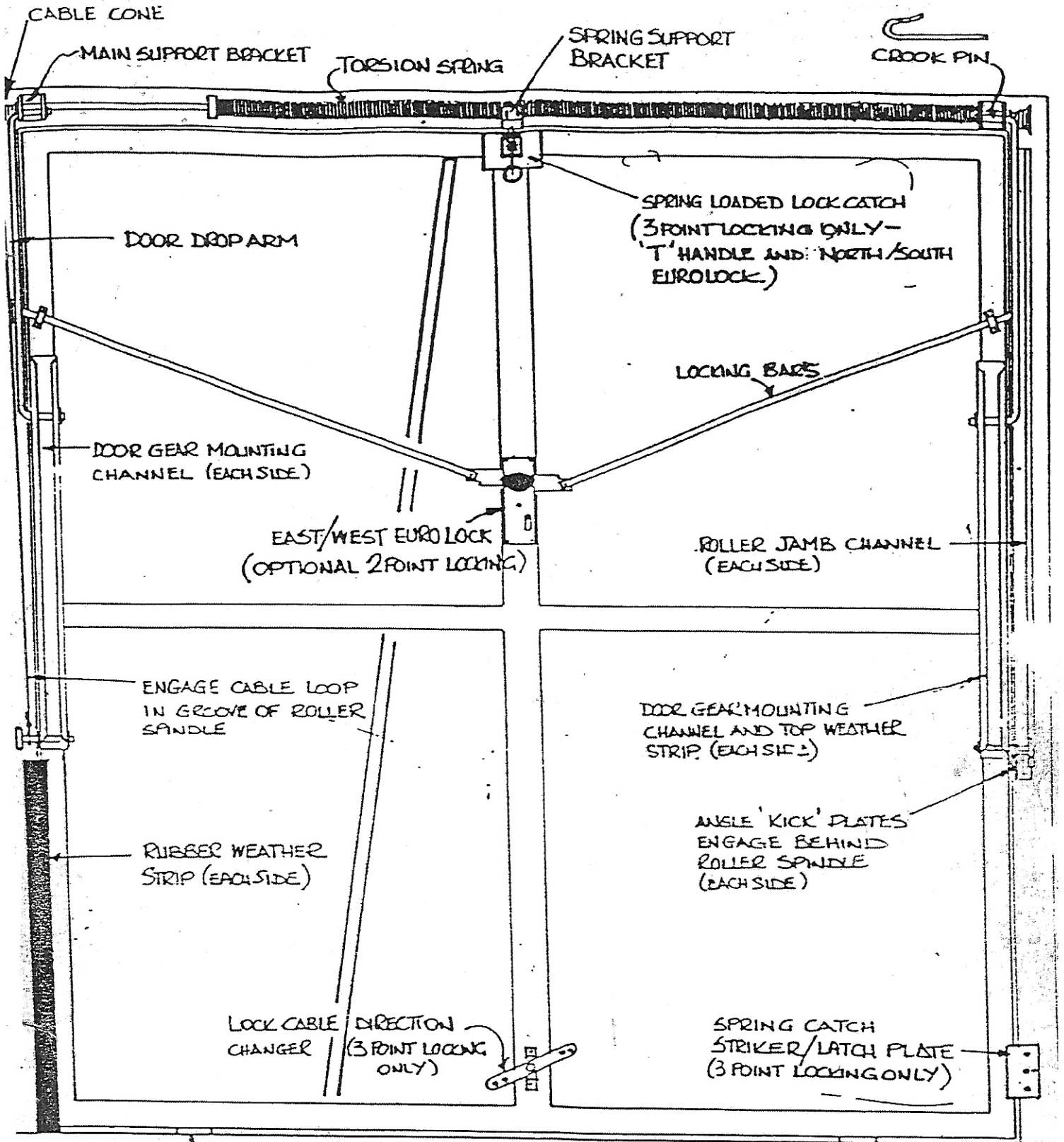
**STEP 11**

AFTER INSTALLATION, LIGHTLY OIL SPRING, LOCK CATCHES AND ALL MOVING PARTS

**MAINTENANCE**

REPEAT STEP 11 EVERY SIX MONTHS OR SOONER IF CIRCUMSTANCES DICTATE

**NOTE** FOR LOCKING INSTRUCTIONS REFER SEPARATE INSTRUCTIONS IN LOCK PACK



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