

## FITTING INSTRUCTIONS FOR GARADOR MK 4 TYPE F SPRINGS

**SAFETY NOTE:** THE COMPRESSION SPRINGS USED IN THESE ASSEMBLIES ARE OVER 2 METERS LONG WHEN RELEASED. IF THE TUBE, LOCATING INS OR COLLARS ARE DAMAGED, THERE IS A DANGER THE SPRING MAY RELEASE WHEN THE OLS ASSEMBLY IS REMOVED. **DO NOT POINT THE BOTTOM END OF THE SPRING AT ANYONE, INCLUDING YOURSELF.** KEEP OTHER PEOPLE WELL AWAY FROM WORK AREA. IF IN DOUBT, THIS WORK SHOULD BE CARRIED OUT BY EXPERIENCED INSTALLERS. SAFETY GASSES AND GLOVES SHOULD BE WORN AT ALL TIMES!

### REMOVING THE OLD ASSEMBLY

1. OPEN THE DOOR AND SUPPORT THE FRONT OF THE DOOR SO THAT THE BRACKETS, WHICH SLIDE UP AND DOWN THE TRACKS, ARE ABOUT 150MM FROM THE TOP OF THEIR TRAVEL.
2. PULL OFF THE SPRING COVER PLATE TO GAIN ACCESS TO THE SPRING ASSEMBLY.
3. HAVING READ CAREFULLY THE ABOVE SAFETY NOTES, PULL THE BOTTOM OF THE TUBE AWAY FROM THE TRACK.
4. GRAB THE COLLAR OF THE ASSEMBLY AND PULL DOWNWARDS TO RELEASE IT FROM THE BRACKET.
5. REMOVE THE RETAINING PIN FROM THE TOP OF THE DOOR FRAME AND PULL THE INNER SPRING EYE DOWN THROUGH ITS LOCATING HOLE. THE OLD ASSEMBLY IS NOW REMOVED.

### FITTING THE NEW ASSEMBLY

1. OFFER THE ASSEMBLY UP TO THE FRAME AND TRY TO PUSH THE SPRING EYE THROUGH THE HOLE IN THE TOP OF THE FRAME. PRE-CURVING THE INNER SPRING WILL MAKE THIS EASIER.
2. WHEN THE EYE COMES THROUGH THE FRAME, THREAD THE NEW LOCATING PIN THROUGH IT, LEAVING THE END OF THE PIN HOOKED OVER THE SIDE OF THE FRAME. ENSURE THAT THE SPRING EYE SITS IN THE NOTCH OF THE LOCATING PIN. PUSH THE INNER SPRING BODY BEHIND THE DOOR BRACKET RETAINING NUT.
3. TURN THE TOP COLLAR TO FACE THE SLIDING BRACKET AND PULL IT DOWN AGAINST THE FORCE OF THE INNER SPRING UNTIL THE COLLAR CAN BE LOCATED UNDER THE BRACKET
4. THE COLLAR SHOULD SLOT IN BETWEEN THE FORKS ON THE BRACKET, AND IT MAY BE NECESSARY TO MANIPULATE THE COLLAR UNTIL THIS LINES UP AND SLOTS IN
5. PUSH THE BOTTOM OF THE TUBE INTO THE TRACK AND PUSH ON THE SPRING COVER PLATE
6. REMOVE THE PROP FROM THE FRONT DOOR AND CLOSE THE DOOR WHICH SHOULD NOW OPERATE SMOOTHLY