

NEWTON COMMERCIAL FITTING INSTRUCTIONS – WIRE DIAPHRAGMS.

TOOLS REQUIRED; ONE LARGE FLAT BLADED SCREWDRIVER.

• **REMOVAL OF OLD DIAPHRAGM**



PLACE THE SEAT ON THE WORKBENCH AT A CONVENIENT HEIGHT.



INSERT THE SCREWDRIVER BLADE INTO THE HOOK END OF ONE OF THE SPRINGS.



PUSH THE BLADE INTO THE HOOK & MOVE THE HANDLE SIDEWAYS, SO THAT THE BLADE LOCATES ON TOP OF THE WIRE FRAME.



WHEN THE SCREWDRIVER IS ALMOST AT RIGHT ANGLES TO THE WIRE FRAME, LIFT THE HANDLE UPWARDS, THUS EASING THE HOOK AWAY FROM THE WIRE FRAME.



TWIST THE SCREWDRIVER SO THAT THE BLADE FORCES THE HOOK CLEAR OF THE WIRE AND THEN LEVER IT CLEAR OF THE WIRE FRAME. **CARE !! – THE SPRINGS ARE UNDER TENSION.**

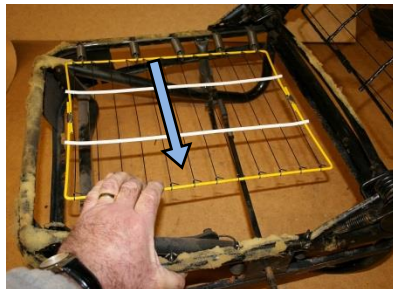


REPEAT THIS PROCEDURE FOR ALL THE SPRINGS ON THE SAME SIDE OF THE DIAPHRAGM. THIS WILL ENABLE THE SPRINGS ON THE OTHER SIDE TO BE DISENGAGED UNDER NO TENSION.

• **FITTING THE NEW DIAPHRAGM**



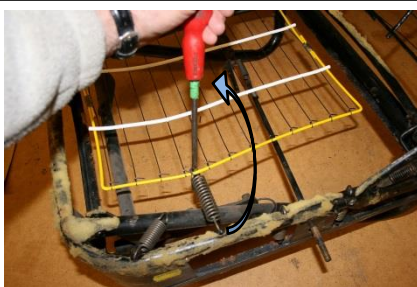
FIT THE NEW SPRINGS IN PLACE IN THE FRAME. **NOTE:** EACH SPRING HAS ONE LARGE HOOK & ONE SMALL HOOK AT ITS ENDS. THE LARGE HOOK LOCATES ONTO THE SEAT FRAME.



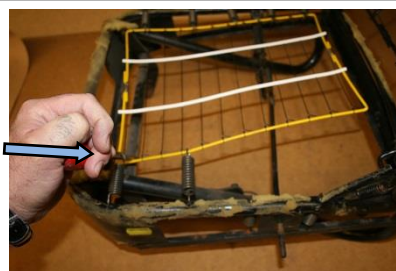
HOOK THE NEW WIRE FRAME ONTO THE SPRINGS ALONG ONE SIDE & SUPPORT IT WITH ONE HAND KEEPING IT TENSIONED SO THAT THE SPRINGS REMAIN ENGAGED.



INSERT THE SCREWDRIVER BLADE THROUGH A SPRING (EASIER TO START WITH ONE NEAR THE MIDDLE), SLIDE THE BLADE DOWN UNTIL ITS END OVERLAPS THE WIRE FRAME. **NOTE:** ENSURE YOU LOCATE THE SCREWDRIVER ONTO THE SAME SECTION OF WIRE FRAME AS THE OPPOSITE SPRING.



LEVER THE SCREWDRIVER FORWARDS (TAKE CARE NOT TO ALLOW THE SPRING OR SCREWDRIVER TO DISENGAGE FROM THE WIRE FRAME, AS IT WILL BE UNDER CONSIDERABLE TENSION) ONCE THE SPRING HOOK IS OVER THE WIRE FRAME, PULL THE SCREWDRIVER OUT & LEAVE THE SPRING IN PLACE.



REPEAT THE PROCEDURE FOR ALL THE REMAINING SPRINGS. MAKE SURE THE SPRINGS LOCATE IN THE SAME POSITION IN EACH SECTION OF THE WIRE FRAME AS THE SPRING OPPOSITE. THIS WILL ENSURE THE DIAPHRAGM REMAINS FLAT IN THE SEAT FRAME.



THIS PICTURE SHOWS THE BASE DIAPHRAGM FITTED. **NOTE:** FOR A SQUAB DIAPHRAGM WHERE DIFFERENT SIZE SPRINGS ARE USED. FIT THEM IN PAIRS USING THE SAME TECHNIQUES AS SHOWN. WE WOULD SUGGEST STARTING FROM THE BOTTOM (USUALLY WHERE THE LARGER SPRINGS ARE LOCATED) & WORKING YOUR WAY UP THE FRAME.

HAPPY MOTORING!