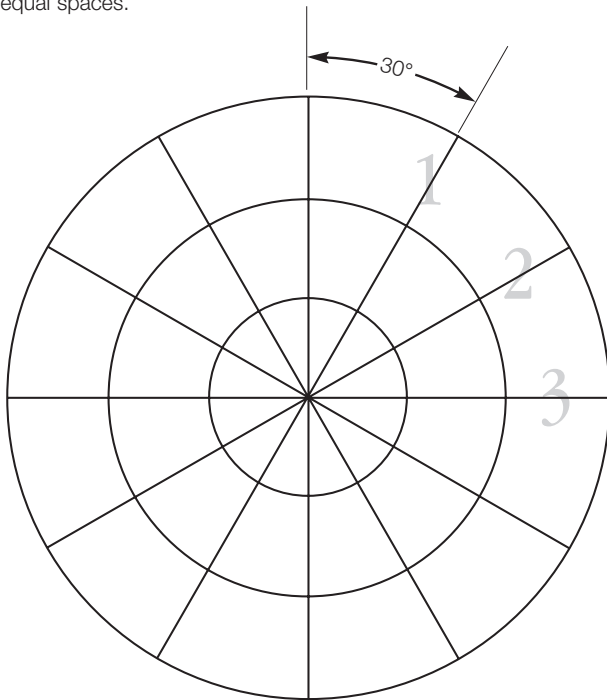


Clockface numerals template

You can use this template to mark out the number spacings on your clockface. Alternatively, use a maths 360° measure or protractor. Mark off every 30° to give you the correct number of equal spaces.



CLOCK ASSEMBLY INSTRUCTIONS

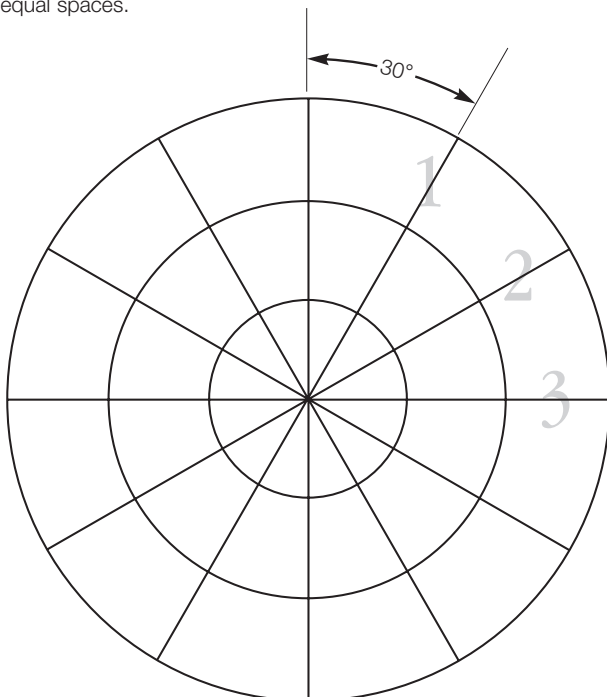


Thank you for purchasing the 'Economy Quartz Movement'. We hope you will find it a useful addition to your classroom resources.

90_05_CLOCK

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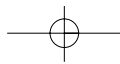


CLOCK ASSEMBLY INSTRUCTIONS



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90_05_CLOCK



Dear Customer

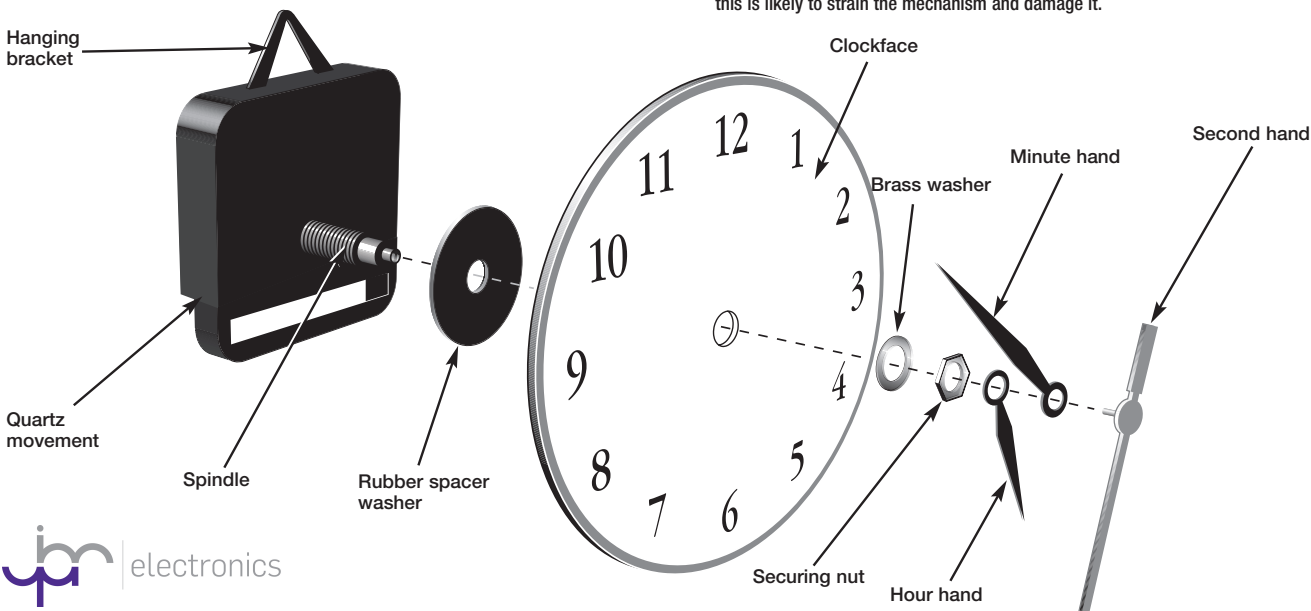
The Quartz mechanism you have purchased is a delicate and precise piece of equipment which can easily be damaged if mistreated. If it is assembled carefully, following the instructions below, it will give years of accurate, trouble-free use.

Assembly

There are certain things to be considered when assembling the mechanism.

When assembled, the gap between the rubber washer and the fixing nut is 6 to 10mm. Depending on the thickness of your clockface, you may need to add an extra washer behind the clockface to get the mechanism to fit properly.

Assembly of the clock should follow the sequence of the illustration below. The rubber washer is fitted on the spindle first, followed in sequence by: the clockface, brass washer, securing nut. Do not over-tighten the securing nut.



The hands can now be fitted to the spindle, as per the following sequence: hour hand, minute hand, second hand. To achieve initial alignment, fit the hour hand pointing to 12 and the minute hand pointing to 12. Turn the mechanism over and rotate the hands using the friction wheel located on the back of the movement. If alignment is incorrect, re-position the hands individually until a satisfactory result is obtained.

Finally, add the second hand. The position of this is not critical.

Assembly should now be complete. To operate the mechanism, insert an AA size, 1.5v battery (which can be of the re-chargeable or non-rechargeable type) and the clock mechanism should now start. In the event that the mechanism does not start, check that the battery is inserted the correct way round.

IMPORTANT: to set the correct time, use the friction wheel previously mentioned to move the hands. Do not attempt to adjust the time by directly moving the hands as this is likely to strain the mechanism and damage it.

Dear Customer

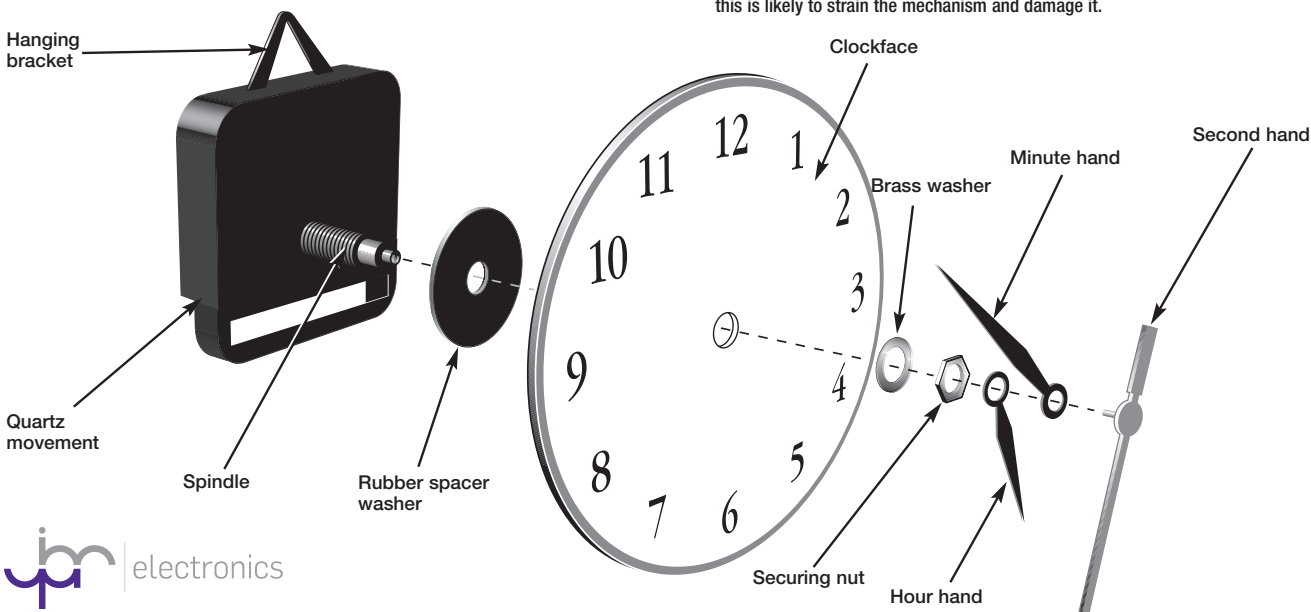
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The hands can now be fitted to the spindle, as per the following sequence: hour hand, minute hand, second hand. To achieve initial alignment, fit the hour hand pointing to 6 and the minute hand pointing to 12. Turn the mechanism over and rotate the hands using the friction wheel located on the back of the movement. If alignment is incorrect, re-position the hands individually until a satisfactory result is obtained.

Finally, add the second hand. The position of this is not critical.

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