

### SAFETY FIRST

Isolate the mains electrical supply before commencing installation.

All electrical work must be carried out in accordance with the latest IET wiring regulations (BS7671) by suitably qualified engineers.

### TOOLS REQUIRED

2 x 13mm A/F Combination spanners.

1 x Long reach Tri-head key.

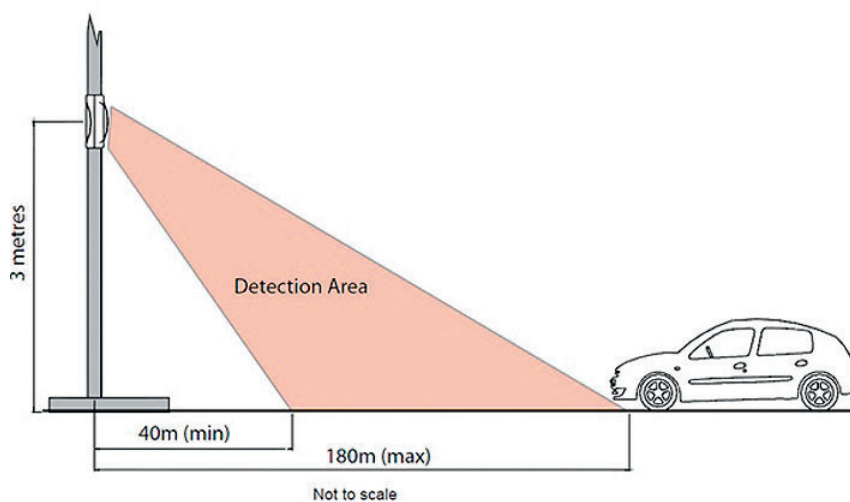
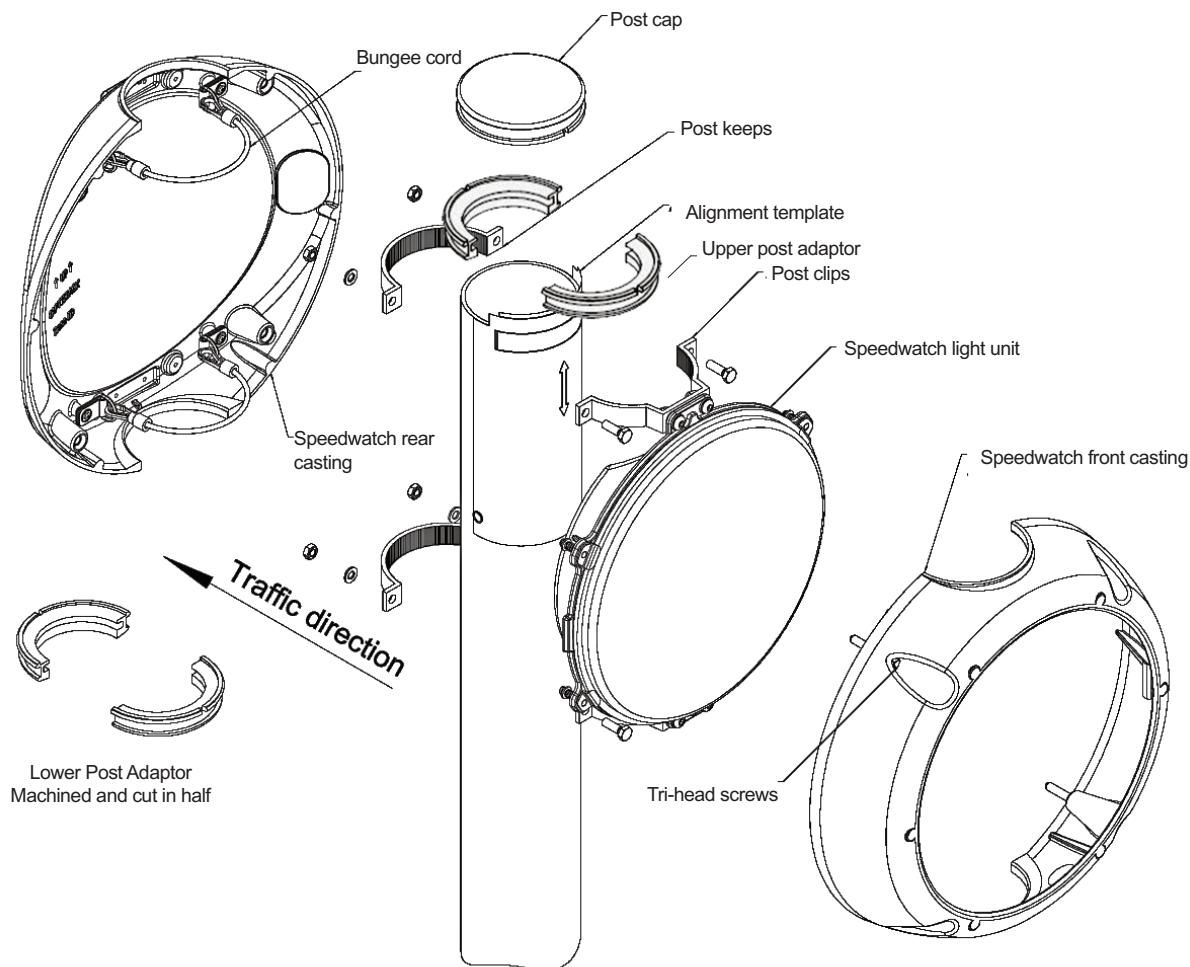
### SITE CONSIDERATIONS.

1. Mounting height must be between 2 and 4m from ground level with 3m being the optimum height for radar operation.
2. Must have a clear line of sight between sign face and approaching traffic throughout the sign's working life.
3. The Speedwatch requires a 24volt supply and each unit is supplied with it's own 24volt transformer - Simmons signs do not accept any responsibility for any damage to equipment arising from the use of a third party power supply.
4. Radar factory settings are: speed exactly as displayed on the sign with mid range sensitivity. This can be adjusted to suit the site requirements - please refer to the label situated on the Speedwatch light unit.

### INSTALLATION

1. Adhere an alignment template to the post onto which the Speedwatch is to be fitted, paying careful attention to the traffic direction. Should the Speedwatch be fitted as a post top version then the alignment template must be placed so that it is level with the top of the post (dependant upon diameter).
2. Machine a 19mm hole as indicated by the alignment template.
3. Dis-assemble the Speedwatch by loosening the 4 Tri-head screws on the outer circumference of the Speedwatch and remove the centre cardboard tube. The Speedwatch is supplied with two post adaptors together with a post cap. Retain these for later use.
4. Pass the lower post adaptor down the post - ensuring correct orientation (this is not required for Ø114 posts). Should it be impractical to pass the post adaptor down the post then it may be cut in half paying attention to the cut line inside the post adaptor.
5. Pass the power cable through the hole (see step 2) and down the post to the power supply.
6. Take the Speedwatch light unit assembly and remove the post keeps - retain the post keeps and fasteners.
7. Offer the Speedwatch light unit up to the post, ensuring correct orientation and that the top post clip is in line with the marks shown on the alignment template.
8. Clamp the Speedwatch light unit to the post securely using the retained post keeps. Ensure that the gap between the post clip and post keep are equal either side of the post.
9. Attach the rear casting to the post using bungee cords provided ensuring correct orientation.
10. Locate the lower post adaptor into the lower bore of the rear casting and adhere in place using the double sided tape located in the post adaptor groove.
11. If the Speedwatch is to be mounted as a mid-post version then use the upper post adaptor. If mounting as a post top version then use the post cap.
12. Locate the upper post adaptor/post top cap into the upper bore of the rear casting.
13. Securely fasten the front casting using the 4 Tri-head screws ensuring correct orientation using the arrows located inside the casting.
14. Connect to a 24v power supply and test operation. An indicator on the front panel shows that the unit is energised.

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[simmons signs.co.uk](http://simmons signs.co.uk)

+44 (0)7841 052 022  
+44 (0)1952 293 333  
sales@simmons signs.co.uk

Stafford Park 5  
Telford Shropshire  
TF3 3AS

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