

Wheel Alignment Tool

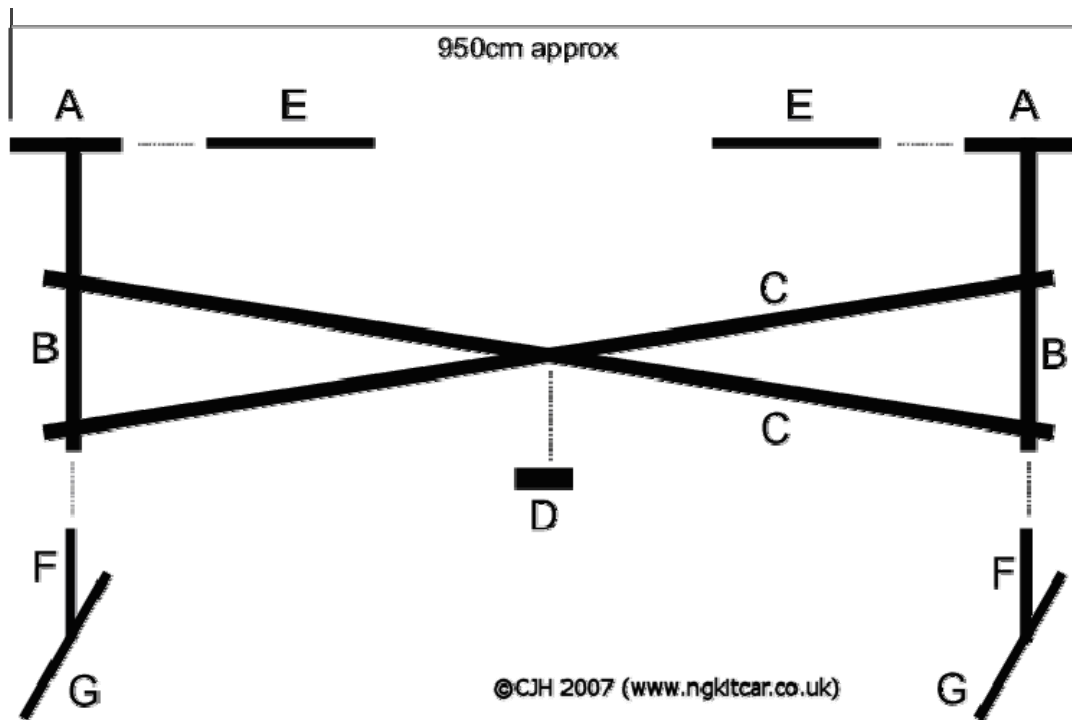
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To make the tool:

The following pieces were cut from 16mm or 12mm square tube (available from DIY stores such as B&Q).

	Qty		Length (mm)	Square (mm)
A	2	Adjustment holder	100	16
B	2	Upright	280	16
C	2	Stay	900	16
D	1	Centre spacer	50	
E	2	Sliding adjuster	150	12
F	2	Foot upright	100	12
G	2	Foot base	150	12
	4	Bolt & nut for upright	50mm	M8
	1	Bolt & nut for centre	75mm	M8
	4	Bolt & nut for adjuster	20mm	M6

- 8mm holes are drilled as follows:
 A – 20mm from each end (2 holes each on top)
 B – 25mm and 150mm from bottom end (2 holes each on face)
 C – 20mm from each end and in (450mm) centre (3 holes each on face)
 D – in (25mm) centre (1 hole).
- Parts A & B are brazed/welded together at right angles (centre of A to end of B).
- Parts F & G are brazed/welded together at right angles (centre of G to end of F).
- M6 nuts are brazed over the 8mm holes in A to take M6 bolts to grip adjuster.
- Additional holes are drilled (parallel to G) in F to allow lower bolt through B & C.
- Frame is bolted up as shown with spacer D in centre between stays C which are on opposite sides of uprights B.



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To use the tool:

1. Place the tool between the front wheels and behind the axle.
2. Fix the adjusters E in position so that they touch the inside of the wheel rims.
3. Remove the tool carefully and take the outside measurement of the adjusters.
4. Now place the tool between the front wheels but in front of the axle.
5. Repeat steps 2 & 3.
6. Subtract second measurement from first to give the toe in.
7. Adjust track rods as necessary.



Alternatively a measure could be attached to one of the adjusters and readings taken from this.