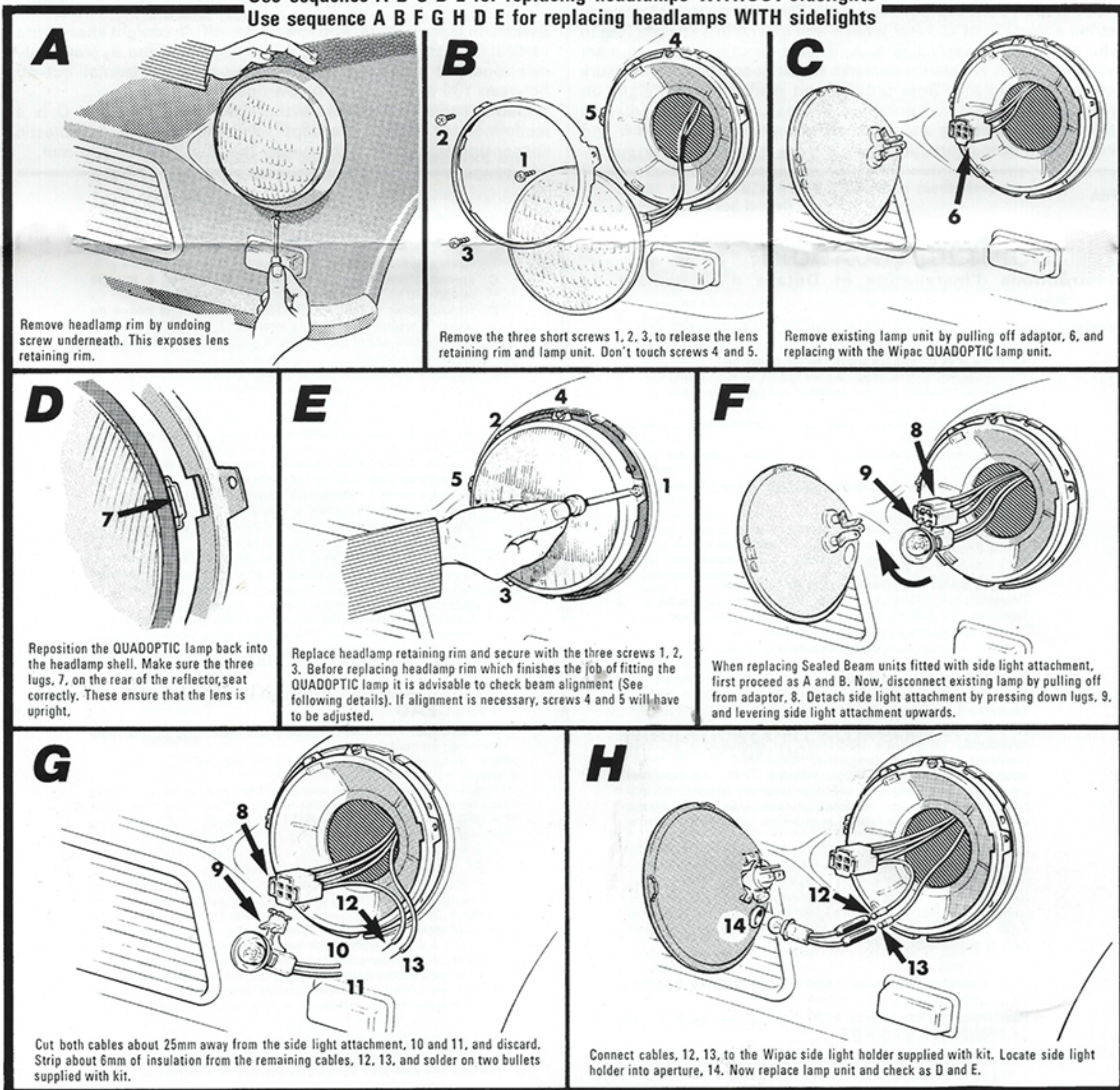


The Wipac QUADOPTIC headlamp is a precision unit developed in our Photometric Laboratory and employs the European approved, Philips H.4. 12 volt, 60/65 watt twin filament, tungsten halogen bulb. The bulb is accurately aligned to a precisely made reflector and bulb shield with an advanced design of beam pattern controlled by an optically correct lens.

Standard blade terminals are used for bulb connection making the QUADOPTIC lamps immediately interchangeable with sealed beam and semi-sealed beam lamps. Due to the far greater power emitted by these lamps, it is important that beam alignment is checked after fitting and instructions are provided in this leaflet.

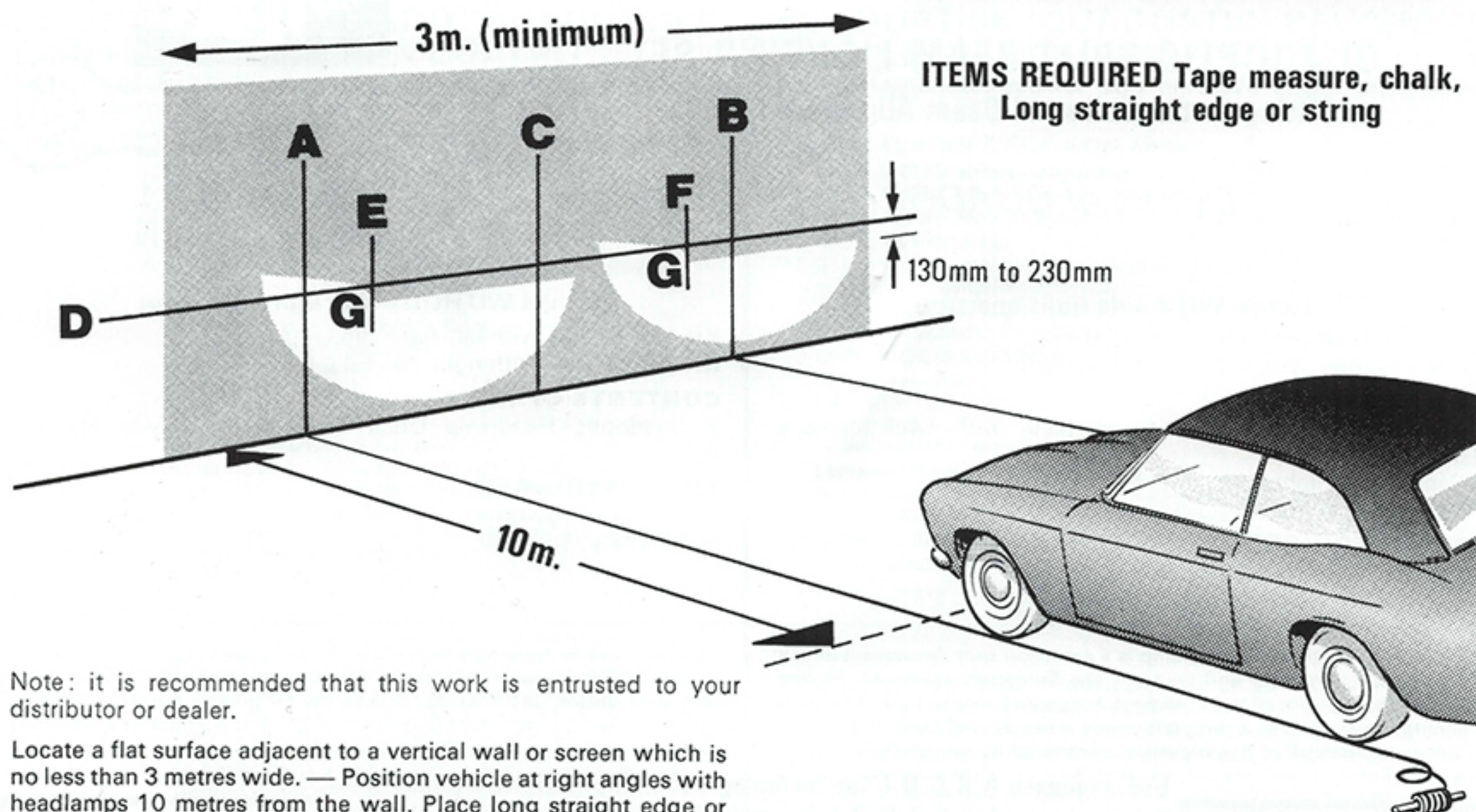
Use sequence A B C D E for replacing headlamps WITHOUT sidelights

Use sequence A B F G H D E for replacing headlamps WITH sidelights



CHECKING BEAM ALIGNMENT

ITEMS REQUIRED Tape measure, chalk, Long straight edge or string



Note: it is recommended that this work is entrusted to your distributor or dealer.

Locate a flat surface adjacent to a vertical wall or screen which is no less than 3 metres wide. — Position vehicle at right angles with headlamps 10 metres from the wall. Place long straight edge or string against front and rear wheels and extend in a straight line to the wall. Mark a vertical line, A. Repeat on other side and mark vertical line, B. Divide these marks to get centre line, C. Measure centre of headlamp from ground and mark off this height on lines A, B, and draw horizontal line, D. Measure width of headlamps from centre to centre and mark off along line D at E and F and equidistant from centre line C.

Switch on dipped beam. Aim kink of cut-off, G, straight ahead onto vertical lines through E and F. Adjust screws 4 and 5, previously mentioned, if alignment is necessary. Aim horizontal cut-off between 130 mm-230 mm below line D.

Wipac experience has shown that 180 mm below line D is a recommended position except for vehicles with hydrostatic suspension that need to be nearer the low mark of 230 mm.