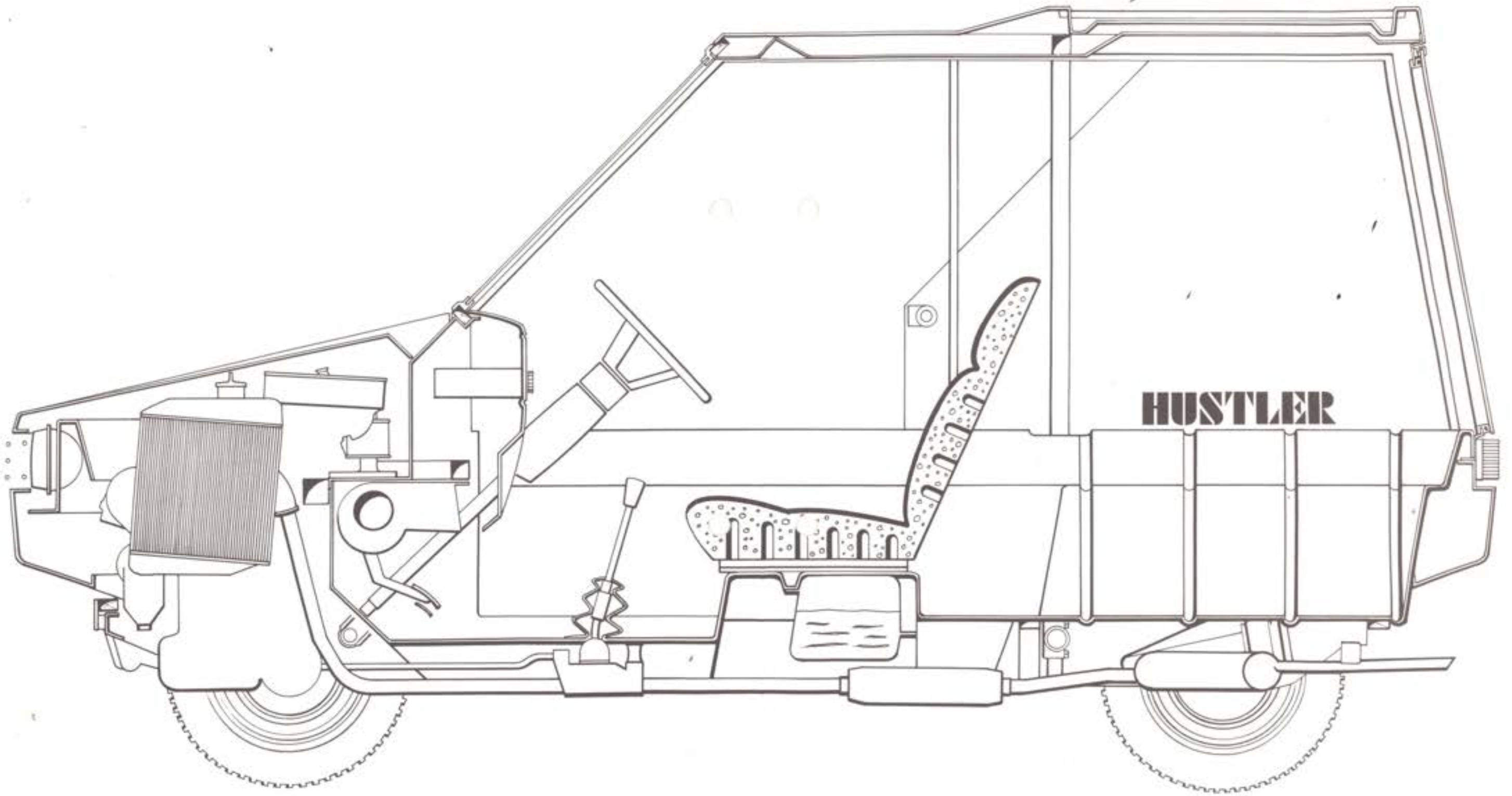


HUSTLER



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Your instruction pack contains the following drawings:-

SM 790 - dimensioned drawings of each panel
SM 789 - nesting arrangement for minimum plywood usage
SM 791 - hardwood sections and lengths required
SM 793 - assembly sketches.

You will need:-

Three 12 mm thick and three 18 mm thick 1220 mm x 2440 mm panels of BS 1088 marine plywood. DO NOT USE ORDINARY EXTERIOR PLYWOOD.

Small quantity of 6 mm plywood.

2 kilos of BIP Beetle wood glue and catalyst, or 4 off no. 3815 wood glue pack from E. C. Smith & Sons Ltd., Unit L, Kingsway Industrial Estate, Luton, Bedfordshire LU1 1LP.

6 tubes of Dow-Corning clear sealer no. 3750 from E. C. Smith & Sons Ltd., as above.

200 each of 3/4", 1" and 1 1/2" no. 8 brass screws.

400 1 1/2" no. 8 brass screws.

If you wish to varnish your car as the prototype, you will need:-

2 litres of polyurethane marine finish 2871-800, together with an appropriate amount of catalyst from L. G. Wilkinson Ltd., Jenkins Lane, Barking, Essex. Brass fittings are obtainable from Timage & Co. Ltd., P.O. Box 141, Braintree, Essex.

SM 791 shows the hardwood sections separately and, if you prefer, you can give this drawing to a timber yard, rather than plane the sections yourself. Section (H) can probably be purchased from a DIY shop.

Mark inwards from each side of the sheets to allow maximum space for sawcut thickness. As you mark out each panel to be cut, label it with its number on masking tape.

In order to achieve a straight and 90° cut on each panel, use if possible a small circular saw mounted on a hand drill, first clamping a straight edge to the sheet, to act as a guide.

Sand down rough edges.

Keep all offcuts.

Dry mount each sub-assembly before committing yourself to glue. Where drilling into endgrain mark and drill a pilot hole (say, 2 mm).

-oOo-

ASSEMBLY

- (A) Build up the rear floor, wheel arches and bulkhead assembly. To avoid screw heads showing on the surface of (6) and (7) you may block behind with short lengths of section (F)

For a six wheeler, use panels (6) and (7) from sheet (7), and repeat a second footwell using (1A), (2A), (4A) and (5A) rearwards of panel (3).

- (B)(C)(D) Build the footwells as shown (underside uppermost) first putting a 45° bevel on the bottom of (12) and setting this edge 12 mm from (10) and (11) to allow the floor panels (16) and (17) to project beyond. You may backfill this projection with a short length of section (G) for added strength, but it will be necessary to cut away part of this projection shown shaded in view (D) depending on which type of front sub frame is fitted. View (D) also shows two lengths of section (F) for Mini van/traveller fuel tank attachment.

- (E) Invert the assembly and attach (18), its front edge set back 22 mm from the front of (8) and (19), flush with the rear edge of (8). Complete the toe box with (20), (21) and (22), backfilling if you wish between (22) and (12) with a section of (G). Build up the front sub frame tower mountings from two (68) and two (69) per side, and fit them level with the top of (22) and to its full width.
- (F) Attach (23) (braced with (25) and (26), 860 mm between their inner surfaces), supporting its forward ends. Attach (24) to (23), ensuring that the underside of (23) is 20 mm above the side notch on (24). Support (24).
- (G) Build up the roll bar from the three sections of (D) to the dimensions shown and attach to the back of (19), ensuring that the lower outer corners are level with the top surface of floor (8).
- (H) Attach assembly (A) to assembly (G), using two lengths of (C) as a guide to straightness. These sections (C) should be flush with the rear edges of (6) and (7) and project forward of (24) by 148 mm. Add at this stage short lengths of (F) ready for attachment of side panels.
- (I) Build up the rear window surround from (28), (29), (30) and (31), noting that (31) on the vehicle is vertical, where (28), (29) and (30) are angled forwards 10° . Make the joint between them by slotting in and glueing a short length of 6 mm plywood. Note that (28) and (29) sit on the waistrail C while (31) sits within it. With the forward edge of the roof flush with the forward edge of the roll bar, set (28) - (31) so that at the waistrail the rear surface of (31) is 28 mm forward of the end of (C), and the rear surface of (30) is 26 mm forward of the rear edge of the roof. Rather than

fix through the roof into the roll bar, you may block the inside with a length of (F) (see (J3)). Block (30) to (32) with a length of (E), its rear edge planed 10°.

(J1) Build up the roof and drain gutters from (33), (34), (35) and (36) and attach to the underside of (32) as shown. Before attaching the cantrails (E), varnish the cavity thoroughly or insert a length of tube, copper or plastic, allowing it to overhang (28) and (29).

J2 Make this section by planing a length of E.

(K) Build up (37), (38), (39) and (40), jointing as (28) - (31). Mount (J2) as (J4). Attach cantrails (E), fixing underneath through (35) and (36). Add assembly (37) - (40), blocking to the roll bar (see (J3)). Add (J2) (see (J4)).

(L) Fit screen pillars. These can be attached at the top by drilling through the cantrail down the angle of the pillar. The pillar should touch the top of (18). Use your side glass frame as a check at this point. The outside edge of the pillar is flush with the siderail (C). Add the lower screenrail (E), checking the windscreen aperture with the glass frame. If you wish to make cubby boxes, add (41) and (42), cutting to size, after first making the cubby box aperture in (18).

(M) Add (45) and (46), the lower edge of these set 20 mm below side rail (C).

(N) Attach (47), (48) and (49) to the nearside, and (50), (51) and (52) to the offside, their top edges set 20 mm above the lower edge of the side rail (C). Build up the roofrack blocks from (E), and fix to the cantrail with their outer edges 8 mm inboard of the outer edge of the cantrail (see (02)).

Ⓞ Add section ⓐ to the front half of the cantrail, the screen pillar and the rear pillar as in ⓐ1, to the rear half of the cantrail as in ⓐ2, to panels 45 and 46 as in ⓐ4, to 47, 49, 50 and 52 as in ⓐ3, here using blocks 50 mm x 18 mm from offcuts. Add panels 53, 54, 55 and 56, fixing from behind through the offcut blocks (see ⓐ3). Fill the joints between 53 and 54, and between 55 and 56 with lengths of section ⓓ. Add section ⓓ also to the rear edge of 32, and to finish off the top of 53. You may also trim the wheelarch edges of panels 47 - 52 with section ⓓ, blocking behind where necessary.

Ⓟ Join across the nose between 45 and 46 with a length of section ⓐ, bracing back in the centre and at each end to 24 with a length of offcut. Hinge the bonnet panel and in its forward corners make each side a 50 mm diameter hole, leaving a minimum of 25 mm between hole and edge. Panel underneath this hole with a 70 mm square of 6 mm plywood to take the bonnet pull ring. Fix the bonnet catch plate to the corner braces below, packing if necessary. Add side rail finisher from section ⓑ.

Ⓠ Attach inner side panels 57 and 58 and fit above them the short lengths of section ⓐ, first relieving the section locally to fit snugly between side rail and roll bar.

Ⓡ Hinge the rear compartment lids 63, 64, 65, ensuring that the grain flows through. To the underside of 6 and 7 fit 70, first making 40 mm diameter holes to the centres shown. Drill 70 to suit damper spindle.

Ⓢ Attach 59 and 61, blocking if necessary. Add lengths of ⓐ as shown, and attach 60 and 62. Do not glue 60 and 62 at this stage, to allow access for seat mountings.

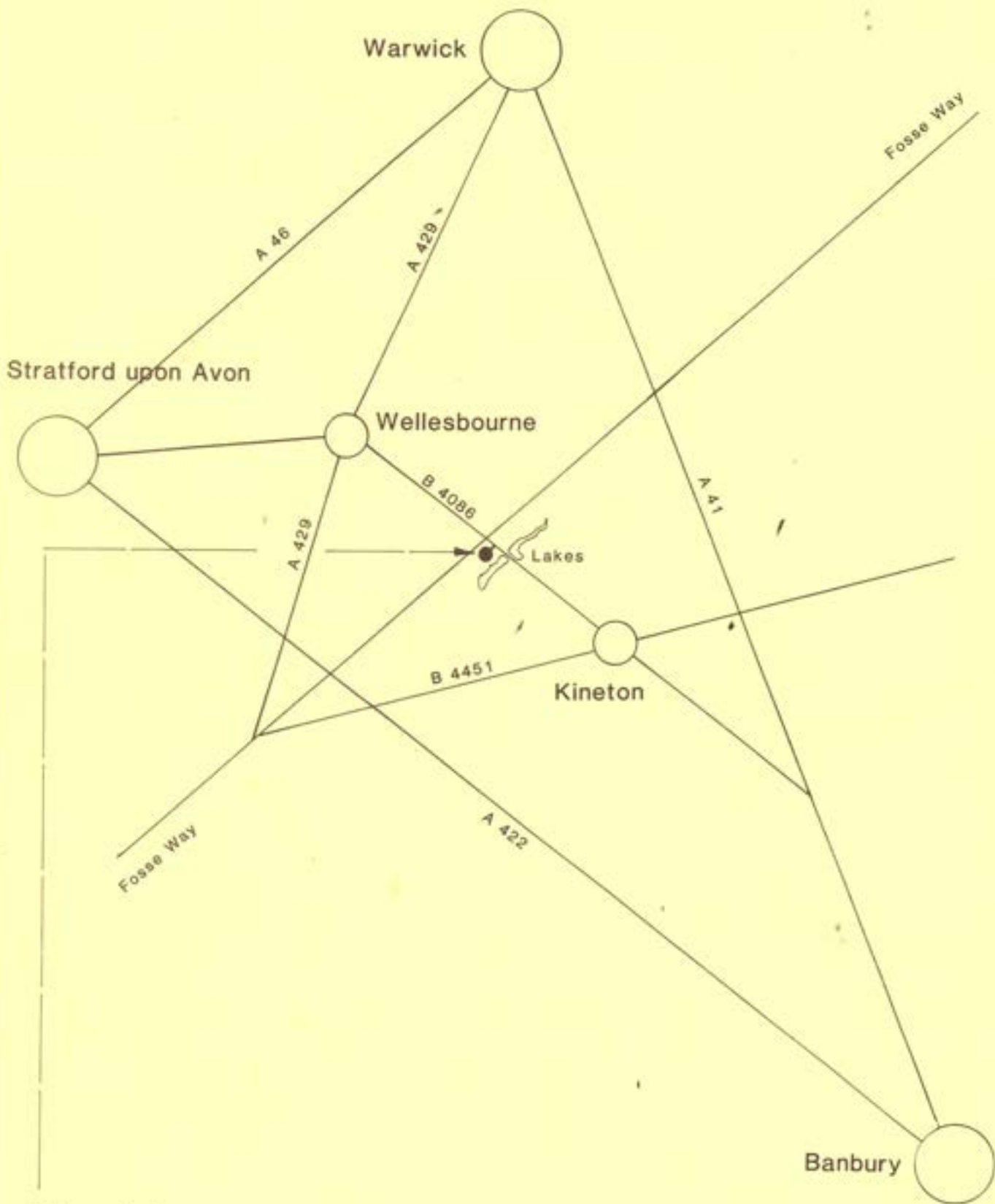
- (T) Make backrest rails from (E), fitted with top surface 250 mm above side rail (C). To trim as the prototype, make up backrest pads from (72) - (77) as shown, and Velcro onto rail (E).
- (U) Make 30 mm diameter hole in forward corners of (37) and (40) to the centres shown, and cap with 6 mm plywood pad to the dimensions shown.
- (V) Hinge the roof panel (67) at its rear edge, preferably using a chromed brass piano hinge, and to the front corners attach roof catch plates on 3 mm plywood pads.
- (W) Shows the hole centres for rear sub frame mountings, but you are advised to offer up the sub frame and check.
- (X) Shows the hole centres for the later type front sub frame front and upper mountings. Earlier sub frames will require packing blocks from (24).
- (Y) Make up steering rack blocks from an 18 mm offcut.
- (Z) 1. Make two off from (A) or (E) to dimensions shown. Drill and countersink the two holes shown to suit glass fixing bracket. Attach through glass to fixing bracket with drive screws.
2. Make interior door handle as shown. Cut hole to fit lock barrel tightly.

Coat (12), (13), (14), (15) and (22) with asbestos sheet.

Fit the flexible seal to the rear window aperture and roof aperture using plenty of dow-corning sealer.

Fit the windows using plenty of sealer, and drilling and sealing through the aluminium flange.

Underseal floor and wheelarch areas.



Interstyl

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