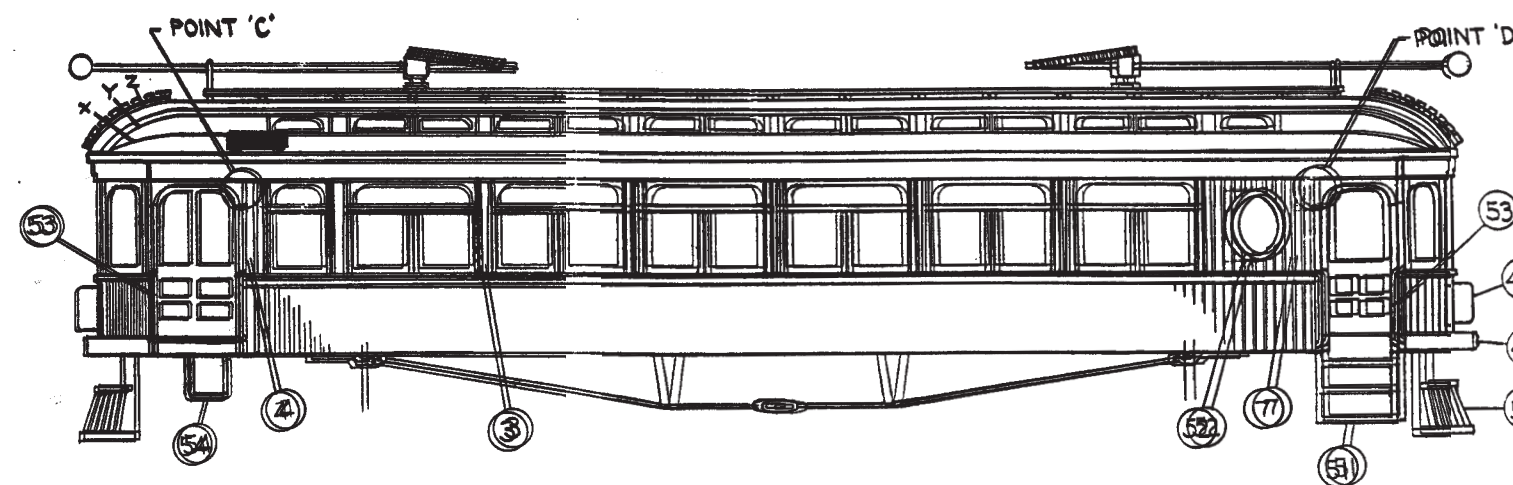
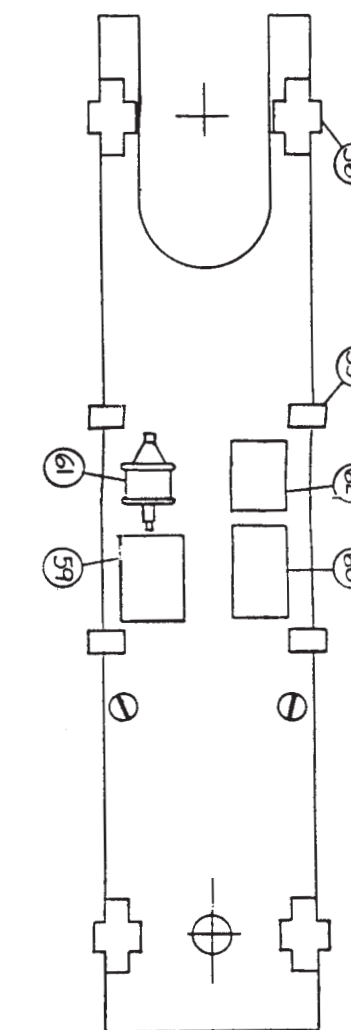


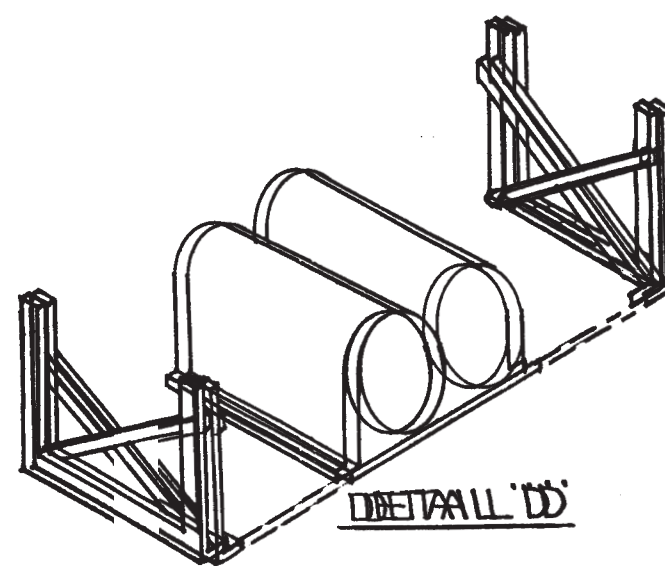
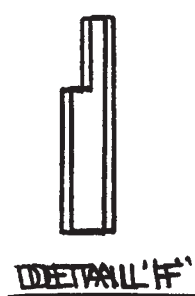
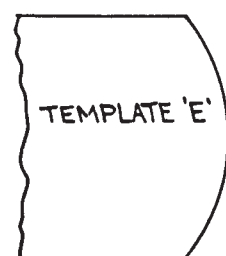
HO-75 — BUFFALO, ROCHESTER & LOCKPORT COACH



HO-76 — BUFFALO, ROCHESTER & LOCKPORT COMBINE



PLEASE NOTE:  
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## BUFFALO, LOCKPORT & ROCHESTER

This is a Basic Kit of a BUFFALO, LOCKPORT & ROCHESTER Coach or Combine.

It is not a "QUICKIE KIT" and therefore it is suggested that the ISOMETRIC and PLAN DRAWINGS be studied thoroughly, also that the PARTS be SORTED and NOTED as to where they are intended to be used. It is suggested that assembly be followed by the NUMBERS in the INSTRUCTIONS which correspond with the NUMBERS on the ISOMETRIC and PLAN DRAWINGS.

**CAUTION: STRIPWOOD COLORED ONE (1) END ONLY:** is being used in several different places, BE SURE that when cutting off desired pieces, that all cuts be made from the UNCOLORED ENDS. STRIPWOOD COLORED TWO (2) ENDS: may be cut from either end as it is used for one particular part and will be completely used in one assembly.

These are the Sub-sides (1).

SAND UNDERSIDE of Letterboards at Ends of Sides to remove rough edges, if any.

**FOR COACH ONLY:** Cut and remove Belt Rail 3/64 inch beyond Window Opening on End of Side as per POINT "A" on PLAN Drawing, also CUT OUT Window Rail as noted on ISOMETRIC Drawing. NOTE: THIS DOES NOT apply to opposite Side. Cement in place (PRE-CUT) "OVAL WINDOW SIDING" (2) keeping Edge "MARKED RED" toward Window Opening. Trim FLUSH with End of Side.

**FOR COACH AND COMBINE:** Separate and cement in place Window Posts (3). Make up a "LEFT" and "RIGHT" Window Post (4) from One (1) LARGE OFFSET Scribed Post, cutting slightly WIDER than required and cementing to Sub-sides with RAISED SHOULDER toward Window and keeping it back CORRECT MARGIN from Window Opening. NOTE: The "TERM" RAISED SHOULDER is the slight projection on Both Edges of the Posts. Trim FLUSH with Ends of Sides. Cut to length and cement in place Mullion Casings (5) from Scribed Piece (MARKED BLUE ON BACKSIDE).

**FOR COMBINE ONLY:** CUT OUT Window Rail as noted on ISOMETRIC DRAWING. NOTE: THIS DOES NOT apply to OPPOSITE SIDE. Cut Sub-side Filler piece (6) from 1/64 inch by 5/16 inch by 2 inch long STRIPWOOD to length, to fit from End of Side and back 3/64 inch from FIRST Paired Window opening. From BACKSIDE Trace opening that is being covered by Strip. CUT OUT lines TRACED and cement in place keeping FLUSH with End of Side. Cement in place (PRE-CUT IN HEIGHT) "OVAL WINDOW" Siding (7) keeping EDGE "MARKED RED" toward

Paired Window Opening and in line with Filler Piece. TRIM FLUSH with End of Side.

**FOR COACH AND COMBINE:** Cut Offset Raised Shoulder (8) (STRIPWOOD COMBINATION COLORS BROWN and BLUE) to fit between Letterboard and Belt Rail. NOTCH and cement in place against "OVAL WINDOW SCRIBE". Cement in place Siding (9). TRIM FLUSH with Ends of Sides and sand FLUSH with Bottom of Sides. NOTE: When making Siding Joints, make cuts so Scribe Spacing is EQUAL. Cut Door Panels (10) and (11) from 1/32 inch by 3/8 inch by 4 inch long STRIPWOOD and cement to Doors (12) (MARKED BLACK) and (13) keeping UP 5/64 inch from Bottom. Cut and cement in place Door Rails (14) (STRIPWOOD COLORED ONE (1) END BROWN).

Cement Doors (12) (MARKED BLACK) and (13) to back of Letterboards as per ISOMETRIC and PLAN Drawings, keeping Edge of Doors EXACTLY IN LINE with End of Side and UP from Bottom of Side the thickness of the Bumper (15). NOTE: Use Bumper to obtain CORRECT distance UP. Sand FLUSH with Top of Sides. Sand CONTOUR on CUTOUTS in Door Headers (16) (COLORED BOTH ENDS BLACK) to MATCH CONTOUR of Quarter Round (17) (COLORED ONE (1) END BLACK), keeping in mind NARROW EDGE OF Quarter Round is against Door. FIRST CUT End of Header pieces that fit against Car Side so that INSIDE of CUTOUT is FLUSH with INSIDE Edge of Side Quarter Round as per POINT "C" on PLAN Drawing. Next cut Headers to length of distance between End of Side and Outer Edge of Doors. Cement in place at TOP of Doors. NOTE: DO NOT CUT or APPLY MOULDINGS AT THIS TIME. REPEAT for Opposite End as per POINT "D" on PLAN DRAWING using Header Strip (18) (COLORED ONE (1) END BLACK) and Quarter Round (19) (COLORED ONE (1) END BLACK). NOTE: DO NOT CUT or APPLY MOULDINGS AT THIS TIME.

Cut two (2) Floor Mounting Strips (20) to 2-7/8 inch length from 3/16 inch by 3/16 inch long STRIPWOOD and cement one (1) to BACK of Side with "OVAL WINDOW" keeping UP from Bottom the thickness of the Floor, and 1 inch BACK from OUTER EDGE of Passenger Door at "OVAL WINDOW" End of Side. Repeat for opposite Side NOTE: BE SURE BOTH are at SAME END of Sides.

Cement Formers (21) to Bumpers (15) CENTERING IN WIDTH and FLUSH at BACK EDGES. NOTE: COMBINE BAGGAGE END BUMPER has NO STEP CUTOUTS. CENTERING IN WIDTH and 9/32 inch from BACK EDGE of Bumpers Drill a 1/16 inch Diameter hole. Place TOP FORMERS on Bumpers, ALIGN and Drill SAME SIZE hole through these. Now ENLARGE holes in Bumpers to 1/8 inch Diameter. NOTE: These holes are for later attachment of Roof.

Place Bumpers on a Flat Surface and at their respective Ends cement Sides to Bumpers making SURE NOTCHES are against Edge of Doors.

Cement in place TOP FORMERS (21) between Doors and FLUSH with TOP of Sides making SURE NOTCHES are against Edge of Doors. Cut to length Baggage Door Sill (22) to fit between End of Side and NOTCH in Bumper and cement in place. Cut to length Quarter Round pieces (17) (COLORED ONE (1) END BLACK) and cement NARROW EDGE of One (1) to Face of Baggage Doors (12) and against End of Side, keeping FLUSH with Face of Sides and NARROW EDGE of the other to Face of Door keeping FLUSH with Edge of Door. Cut to length FLUSH with Bottom of Side, Quarter Round (19) (COLORED ONE (1) END BLACK) and cement one (1) to Face of Passenger Door (12) and End of Side, keeping FLUSH with Face of Side and the other to Face of Door keeping FLUSH with Edge of Door.

**FOR COACH ONLY:** Cut Door Panel (23) from 1/32 inch by 3/8 inch STRIPWOOD and cement to End Door Section (24) keeping UP from Bottom 5/64 inch. Cut and cement in place Door Rails (25) (STRIPWOOD COLORED ONE (1) END BROWN).

Sand CONTOUR on CUTOUT in Door Header (26) (COLORED BOTH ENDS GREEN) to MATCH CONTOUR of Quarter Round (27) (COLORED ONE (1) END RED). Cement Door Header FLUSH with TOP of End Door Section, centering CUTOUT in WIDTH. Trim and sand FLUSH with Edges. Cut to length and cement in place End Door Quarter Round (27) (COLORED ONE (1) END RED) keeping FLUSH at Edges. Sand FLUSH with Bottom. NOTE: "FOR CORRECT LOCATION" as per SIDE and END PLAN Drawing, cement in place End Door Section (24) to Former (21) keeping Edges IN LINE with POINTS MARKED "X" as per ISOMETRIC Drawing. Cement in place RIGHT and LEFT Angle Window Sections (28) and sand FLUSH at Top. Cut and fit Window Sections End Letterboard Filler Pieces (29) from (STRIPWOOD COMBINATION COLORS GREEN and BROWN) and cement to Face of Window Sections keeping FLUSH at Top. From LEFTOVER Mullion Casing (MARKED BLUE ON BACKSIDE) cut Vertical Dash Filler Pieces (30) on SCORES to 1/4 inch length and cement to Center of Window Sections at Bottom. These Filler Pieces will give CORRECT CURVATURE to Dash Siding (31) when applied. CAREFULLY CUT to length Dash Siding (31) (PRE-CUT TO HEIGHT) to fit between Quarter Rounds and cement in place. Cut and cement to Top of Dash. Sand Window Sills to MATCH Dash curvature leaving a slight projection. Cut and cement in place Bevel Casing (32) (STRIPWOOD COLORED ONE (1) END YELLOW) and Bevel Casing (34) (STRIPWOOD COLORED ONE (1) END GREEN) making SURE "SQUARE EDGE" is "OUT".

**FOR COACH and COMBINE:** Cement in place CENTER WINDOW SECTIONS keeping Edges IN LINE with POINTS MARKED "X" as per ISOMETRIC Drawing. Cement in place RIGHT and LEFT Window Sections (28) and sand FLUSH at Top. Cut and fit Window Section End Letterboard Filler Pieces (29) from (STRIPWOOD COMBINATION COLORS GREEN and BROWN) and cement to Face of Window Sections FLUSH at Top. From LEFTOVER Mullion Casing (MARKED BLUE ON BACKSIDE) cut Vertical Dash Filler Pieces (30) on SCORES to 1/4 inch length and cement to Center of Window Sections at Bottom. These Filler Pieces will give CORRECT CURVATURE to Dash Siding (31) when applied. CAREFULLY CUT to length Dash Siding (31) (PRE-CUT TO HEIGHT) to fit between Quarter Rounds and cement in place.

Cut and fit Window Sills (32) (STRIPWOOD COLORED ONE (1) END YELLOW) and cement to Top of Dash. Sand Window Sills to MATCH Dash curvature leaving a slight projection. Cut and cement in place "V" GROOVED Casing (33) (COMBINATION COLORS BLACK and GREEN) and Bevel Casing (34) (COLORED ONE (1) END GREEN). CUT OUT TEMPLATE "E" TRACE and sand End Letterboard Filler pieces to this radius. FLUSH with Center and Corner Mouldings. NOTE: REMOVE tension of End Letterboard Overlay (35) (STRIPWOOD COLORED ONE (1) END BLUE) by rolling a small round object Back and Forth on Backside. Cement to End Radius keeping FLUSH at TOP. Trim and sand FLUSH with Side Letterboards. NOTE: ON COACH END with CENTER DOOR ONLY: Cut two (2) pieces of Letterboard Overlay (35) to fit from Door Quarter Round to slightly beyond Side Letterboards. Cement in place FLUSH with Top of Sides and sand FLUSH with Side Letterboards.

Assemble Roof (36) by cementing Window Inserts (37) inside of Roof as per PLAN Drawing. Cut to length Casing (38) (STRIPWOOD COMBINATION COLORS GREEN and RED) and Casing (39) (STRIPWOOD COLORED BOTH ENDS RED) and cement in place. Sand Roof to Correct Length leaving Overhang at Ends same as at Sides.

Make up TEMPLATE "X", "Y" and "Z" from Card Stock and use to Check Contour at corresponding LINES "X", "Y" and "Z" as per ROOF END Notations. Cut and Sand Lower Roof Sections using TEMPLATE "X". Next use TEMPLATE "Y" to make up four (4) Overhang pieces (40) from 1/16 inch by 1/2 inch by 4 inch long STRIPWOOD as per ISOMETRIC Drawing. REMEMBER this is a CUT and FIT PROCEDURE. First cut off SMALL PORTIONS of Roof Top Overhang until POINTS "K" and POINTS "L" of Roof Overhang pieces (40) fit as per ISOMETRIC Drawing and cement in place. Now cut and sand Roof Ends to MATCH TEMPLATE "Z".

Make up Roof Walk (41) from (STRIPWOOD COMBINATION COLORS RED and BLACK) and (42) (STRIPWOOD COLORED BOTH ENDS BROWN) as per ISOMETRIC and PLAN Drawings.

Drill holes in Roof Walk for Pole Bushings (43) (IN CASTING PACKET) and insert, also cut from Wire (IN TROLLEY POLE BRACKET) two (2) pieces to 2 inch length and make up Trolley Hooks (44). Locate Trolley Hook Position in Roof and drill a #70 Diameter hole through Roof. On UNDERSIDE of Roof cut a GROOVE in Roof End Block from hole to End of Block TOWARD CENTER of Roof. NOTE: Cut GROOVE OFFCENTER IN WIDTH of Roof so that Hook Wire will not interfere with Roof Attachment Screws. Install Trolley Hooks, bending EXCESS WIRE on UNDERSIDE in GROOVE toward Center of Car. Now solder adequate Wire Leads to Pole Bushings and Hooks as per Wiring Diagram.

NOTE: An EPOXY or INSTANT "CAUTION" Cement is suggested for attaching all Castings.

Attach Roof Mats (45) and (46) Headlights (47) Trolley Retrievers (48) Anti-Climbers (49) Pilots (50) Steps (51) and "OVAL WINDOWS" (52). Make up Handrails (53). Drill holes for Handrails and Stairup Steps (54) (Staples) and install.

Car is ready for painting. It is suggested that several Coats of Paint be applied to INTERIOR of Car to make it impervious to Oil and Grease. After Painting install Green Acetate in Roof and Upper Side Windows and Clear Acetate in remaining Windows and Doors.

Position Roof on Car Body and with a Sharp Object MARK LOCATION where 1/32 inch Diameter holes are to be drilled for #0-1/4 Round Head Wood Screws.

TROLLEY POLE ASSEMBLY: (See TROLLEY POLE DETAIL).

Carefully file Castings (1) and (2) at POINTS "A" so that loops of Springs (3) SLIP into place without distorting them. Drill out holes in Castings at POINT "B" with a #71 Drill to receive Wire (4). Drill Casting (2) with a #71 Drill at POINTS "C" to receive Trolley Pole (5). Drill Casting (6) with #71 Drill at POINT "D" to receive Trolley Pole and remove Casting Sprue at Side of Wheel. Solder Pole (5) to Casting (2), then Casting (6) making SURE it is in PROPER POSITION. Assemble Casting (1) and (2) together with Pivot Wire and cut off excess. Now CAREFULLY hook on Springs.

Now assemble Power Unit as per Assembly Instructions. After unit has been assembled and disassembled for cleaning, Layout Floor for position of Underbody Details.

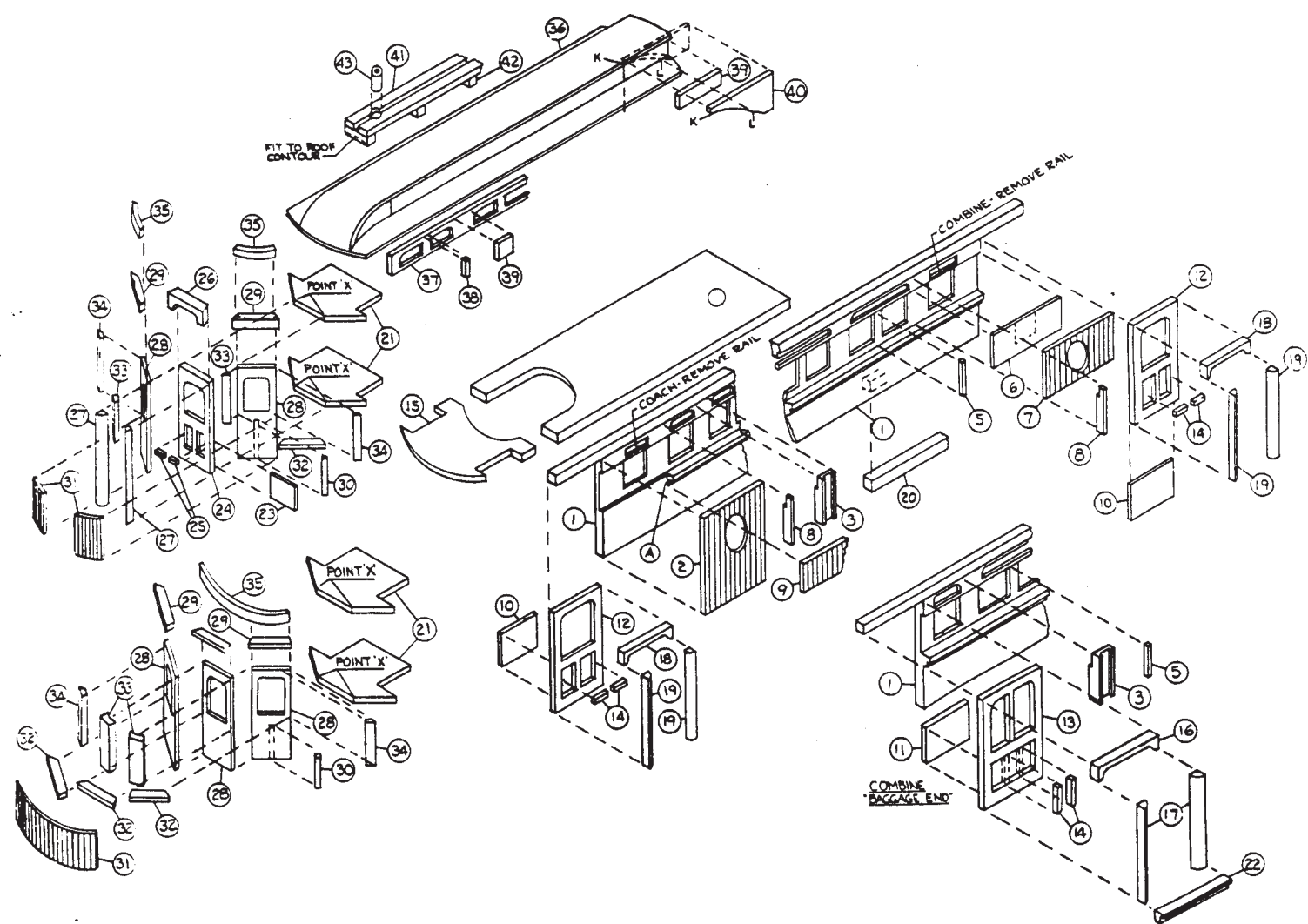
Install Queenposts (55) and file FLUSH with Top of Floor. Truss Rod Body Hangers (56) Nylon Truss Rods (57) Turnbuckles (58) Air Compressor (59) (Assemble Air Compressor by cementing together three (3) Castings as per DETAIL "D"), Resistor Bank (60) Brake Cylinder (61) and Air Tank (62).

NOTE: NOTCH Floor Mounting Strips where Nylon Truss Rod Ends are Fastened. Place Floor in Car Body and Drill 1/32 inch Diameter holes for #0-1/4 Flat Head Wood Screws as per Floor Plan Locations. Remove Floor and ENLARGE holes in Floor to 1/16 inch diameter.

IMPORTANT: On UNDERSIDE of Roof MARK 1/8 inch BEYOND BOTH SIDES of Flywheel POSITION and slightly "NOTCH" INSIDE CORNERS of LOWER Roof Sections between the "MARKS" for Flywheel Clearance.

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