

INSTRUCTIONS FOR ASSEMBLING BOEING P-12E

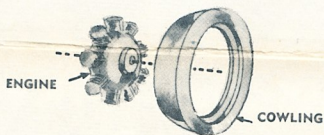
BEFORE ASSEMBLING MODEL, STUDY SKETCH CAREFULLY.

IMPORTANT—APPLY CEMENT TO INSIDE SURFACES ONLY. AVOID GETTING CEMENT ON OUTER SURFACES OF MODEL SECTIONS. USE CEMENT VERY SPARINGLY AND AVOID GETTING CEMENT ON HANDS, SO AS NOT TO MAR OR SMEAR PLASTIC SURFACES.

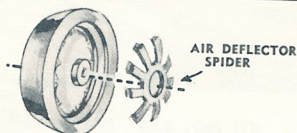
DO NOT HURRY. WORK CAREFULLY AND PATIENTLY.

IMPORTANT NOTE: BEFORE PROCEEDING TO CEMENT PARTS TOGETHER, IT IS ADVISABLE TO FIT PARTS TOGETHER DRY (WITHOUT CEMENT) SO THAT YOU MAY FAMILIARIZE YOURSELF WITH THE PARTS AND HOW THEY GO TOGETHER, ALSO NOTING THE POINTS WHERE CEMENT IS TO BE APPLIED.

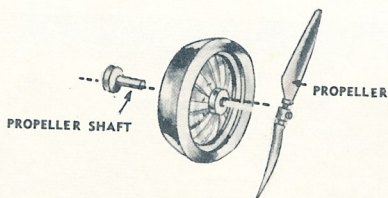
FOR BEST RESULTS ASSEMBLE MODEL EXACTLY IN THE ORDER INDICATED.



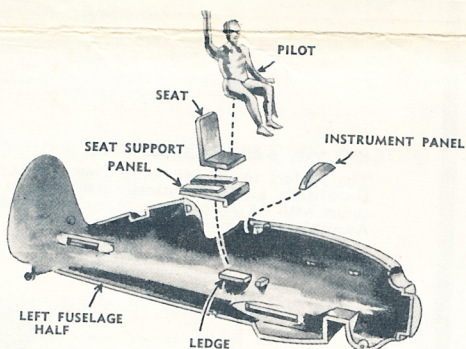
1. Cement ENGINE to inside of COWLING.



2. Cement AIR DEFLECTOR SPIDER to front of ENGINE.



3. Insert PROPELLER SHAFT through hole in ENGINE from inside of COWLING and cement PROPELLER to PROPELLER SHAFT.



4. Cement SEAT to SEAT SUPPORT PANEL.

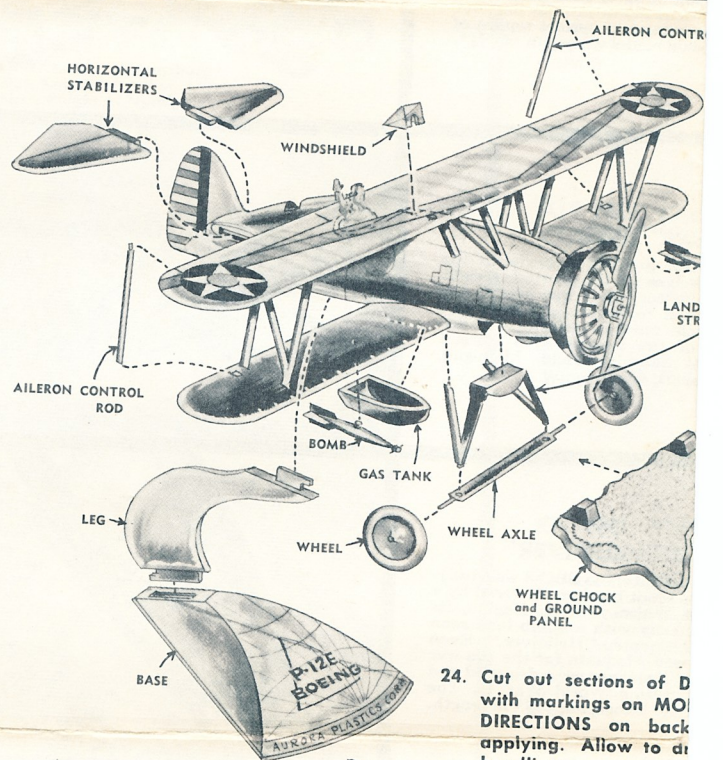
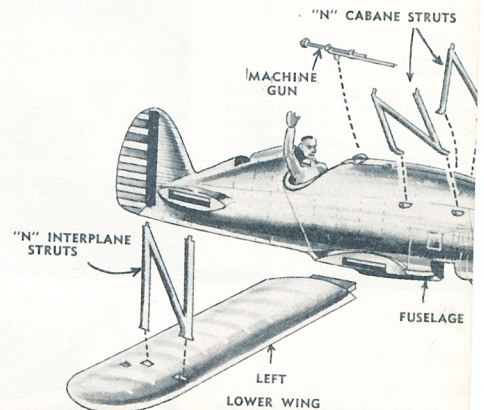
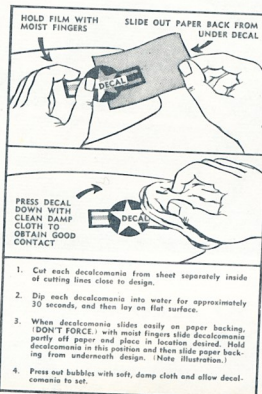
5. Cement PILOT to SEAT.

6. Locate and cement PILOT and SEAT ASSEMBLY onto LEDGE in LEFT FUSELAGE HALF.

7. Locate and cement INSTRUMENT PANEL at front end of COCKPIT in LEFT FUSELAGE HALF.

8. Cement FUSELAGE HALVES together.
9. Cement PROPELLER and ENGINE COWLING ASSEMBLY to FUSELAGE.
10. Cement MACHINE GUN to FUSELAGE in FRONT of COCKPIT.
11. Cement LEFT and RIGHT LOWER WINGS to FUSELAGE.

12. Cement LEFT and RIGHT STRUTS to FUSELAGE.
13. Cement "N" INTERPLANE WING.



24. Cut out sections of D with markings on MODEL DIRECTIONS on back applying. Allow to dry handling.

15. Cement AILERON CONTROL RODS between AILERONS and LOWER WING.

16. Cement LEFT and RIGHT HORIZONTAL STABILIZERS to FUSELAGE.

17. Cement LANDING GEAR STRUTS to slot in underside of FUSELAGE.

18. Cement WHEEL AXLE to LANDING GEAR STRUTS.

19. Cement WHEELS to AXLE.

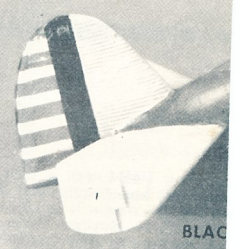
20. Locate and cement GAS TANK to UNDERSIDE of FUSELAGE.

21. Cement BOMBS to UNDERSIDE of LOWER WING.

22. Cement WINDSHIELD to FRONT END of COCKPIT.

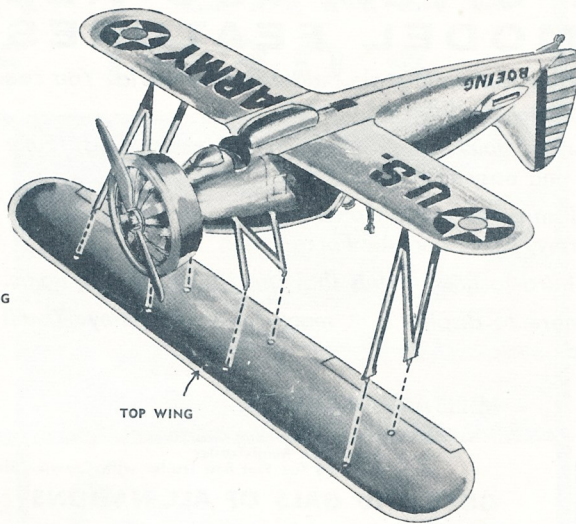
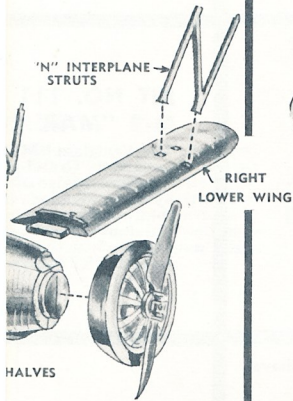
23. Cement MECHANIC to WHEEL CHOCK and GROUND PANEL.

YELLOW—Upper and Lower Wings and Elevators
Cowl
Vertical Stabilizer



RIGHT "N" CABANE

NE STRUTS to LOWER



14. Cement TOP WING to STRUTS as follows: Place TOP WING upside down on work table and apply a very small drop of cement to each of the holes in TOP WING, and while holding the FUSELAGE upside down, carefully insert, one at a time, pegs on ends of STRUTS into corresponding holes in TOP WING.

DL ROD



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- ONE COAT COVERS
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History of the Boeing P-12E "Fighter"

The Boeing P-12E Army craft was similar in many specifications to the 1928 Boeing model 83, the F4B-1, and the F4B-4. The eye catching colors were those of the renowned 27th Pursuit Squadron ("Diving Hawk") based at Selfridge Field, Michigan. Designed from the first World War, the P-12E was revised and considered much safer than its predecessors.

The definite design differences of the P-12E "Fighter" from its cousin craft the F4B-4 were in the tailplane and headrest. It was considered to be a high performance single-seat fighter, and found much favor with pilots.

A 500 h. p. Pratt & Whitney "Wasp", 9 cylinder air cooled, single bank engine, weighing 730 pounds and using 80 octane fuel, provided the power plant. The armament was usually two .30 caliber Browning synchronized machine guns; or, one .30 caliber Browning and one .50 caliber Browning. Two 116 pound bombs could also be attached if necessary.

The length is 20 feet, 4 11/17 inches; height is 9 feet, 9 3/32 inches; top wing span 30 feet; lower wing span 26 feet, 4 inches; wing area has 227.5 square feet; empty weight 2,301.2 lbs.; loaded weight 3,015.5 pounds; disposable load is 714.3 pounds.

The wings consist of one upper panel, and two lower panels. Duraluminum tubing struts are at the center section and one "N" type interplane strut on either side of the fuselage. The wings are of box construction of spruce flanges and two-ply mahogany webs. Wings are fabric covered. An emergency floatation gear is located in the upper wing.

The main fuselage is of welded chrome-molybdenum steel tubing forward of the front lower wing spars. The aft fuselage is duraluminum semi-monocoque construction. The engine mounting is detachable, and is constructed of welded chrome-molybdenum tubing. The monoplane type tail unit is metal constructed and covered with corrugated duraluminum sheeting, an adjustable-on-the-ground fin, and an adjustable-in-flight tail-plane. The elevators are balanced.

The straight axle type landing gear had oleo shock absorbers and brakes. Side loads were absorbed by a "V" truss from the center of the axle to the body. The tail wheel was steerable and equipped with oleo shock absorbers. All struts are faired into the wings and fuselage.

The brown hawk on a red circle just under the cockpit represented the renowned 27th Pursuit Squadron ("Diving Hawk"). A yellow stripe extended the length of the fuselage. Top side of the wings were chrome yellow. There was a heavy red stripe on the upper wing top. The vertical stabilizer was yellow the forward half, then a blue vertical stripe at the halfway mark, while the after half had horizontal red and white stripes. Other markings and insignia are furnished by decals.

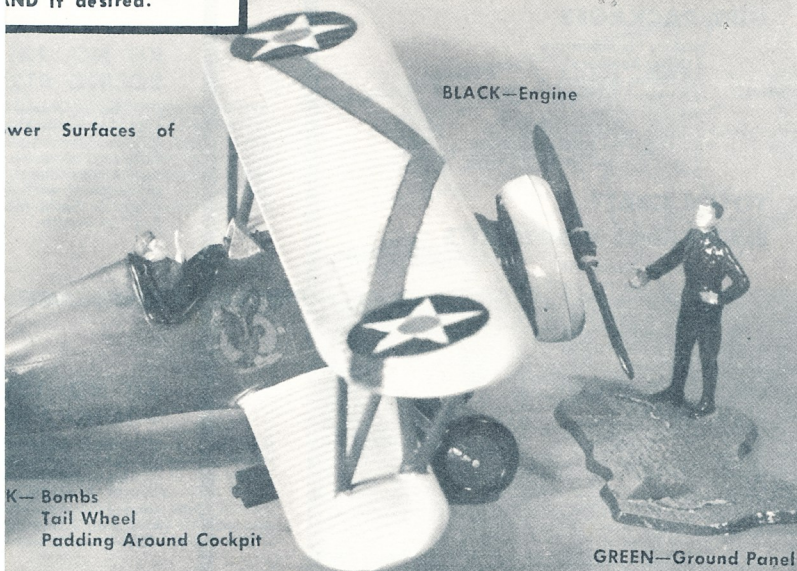
DECALS to correspond MODEL or SKETCH. Read of DECALS before any further

AND if desired.

Suggested Detail Painting Scheme

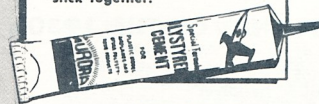
BROWN—Pilot's and Mechanic's Suits
Propeller

Lower Surfaces of



For Cementing, Use AURORA'S POLYSTYRENE CEMENT for plastic model airplanes.

CAUTION Apply the cement only to those places which are to stick together.



THIS CEMENT MAY BE PURCHASED FROM YOUR DEALER!



Every effort has been made to insure the completeness of this Kit—however, should any part be missing, write directly to:

AURORA PLASTICS CORP.
West Hempstead, L. I., N. Y., Dept. M

(When writing please print your NAME and ADDRESS PLAINLY)

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FAMOUS FIGHTERS OF WORLD WAR I

French Nieuport
Sopwith Camel
British Scout SE-5
German Albatross D-3
Fokker DRI Triplane
Fokker D-7
Spad 13
Nieuport 28
Pfalz D-3
DeHaviland DH-4
F2B "Brisfit"
JN-4 "Jenny"
DeHaviland DH-10 Bomber
Gotha Bomber

FAMOUS FIGHTERS OF WORLD WAR II

B-17 Flying Fortress
British Spitfire
Focke Wulf
P40 Flying Tiger
ME 109 Messerschmitt
AT-6 "Texan"
SNJ Navy Trainer
Jap Zero
Hellcat
Russian Mig 19
P-51 "Mustang"
P38 Lockheed Lightning

MODERN DAY FIGHTERS

Convair F102 "Dart"
Lockheed F104 "Starfighter"
Douglas F4D "Skyray"
Grumman F9F6 "Cougar"
F-94C Starfire
F-100 Super Sabre
B-36 Bomber
B-47 Stratojet
B-52 Stratofortress
F9F Panther Jet
Lockheed VTO
FB6D Sabre Jet
F90 Lockheed
Convair V.R.
F8U "Crusader"

GIANT BOMBERS

PBY "Catalina"
B26 Martin "Marauder"
B-29 Superfortress
B25 "Mitchell" Bomber

WHIRLYBIRDS

Piasecki H-25A "Army Mule"
Kaman Hok "Egg Beater"
Hiller Hornet "Ram Jet"
Sikorsky S-55 "Windmill"
Piasecki H-21 "Work Horse"

POPULAR PLANES OF THE 1930's

Boeing P-26A
Curtiss P-6E
Curtiss SBC3 "Helldiver"
M-2 "Mail Plane"
Boeing P12E
Boeing F4B4

U.S. NAVY WARSHIPS

Destroyer Bennion
Cruiser St. Paul
Atomic Sub. SSN Sea Wolf
Destroyer USS Halford
Battleship Iowa
Carrier USS Forrestal
Carrier USS Saratoga

HISTORIC SAILING SHIPS

Pirate Ship Black Falcon
Viking Ship
Chinese Junk
Blue Nose Schooner

FAMOUS TANKS

Patton Tank
Panther Tank
Stalin Tank

MILITARY VEHICLES

U. S. Army 5000 Gallon Gas Truck
U. S. Army Van Semi-Trailer
U. S. Army 40 Ton Flat Bed Trailer with Crawler/Shovel

GUYS AND GALS OF ALL NATIONS

Dutch Boy
Dutch Girl
Chinese Mandarin
Chinese Girl
Indian Chief
Indian Squaw
Scotch Lad
Scotch Lassie

FAMOUS WARRIORS

Silver Knight of Augsburg
Blue Knight of Milan
Black Knight of Nurnberg
Red Knight of Vienna
Gold Knight on Horse
U. S. Air Force Pilot
U. S. Sailor
U. S. Army Infantryman
U. S. Marine

COPPERSMITH COLLECTION

King of the Beasts
Bucking Bronco
Chief White Feather
Ballerina
Pirate Captain
Madonna
Flower Spray
Elephant
Clown
Liberty Bell
American Flag
Buffalo Hunt
Venetian Gondola
Wild Deer
Sea Life
Colonial Lady
Colonial Man
Haiti Lady
Haiti Man
Mercer Raceabout
Bouquet of Flowers
Venus
Modern Fish
Painter
Kittens
Flying Geese
Roman Gladiator
Oriental Beauty
Oriental Man
Clipper Ship
Hawaiian Eve
Vase of Roses
Indian Warrior

GIFT PACKAGES

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3 Famous Fighters
3 Knights in Armor
2 American Fighters

TOTEM CRAFT ELECTRONIC MODEL KITS

Crystal Radio Kit
Fixed Crystal Radio Kit
2 Transistor Radio Kit
2 Tube Portable Radio Kit
1 Tube Radio Kit
2 Tube Radio Kit
Twin Signal Set
Single Signal Set
Inter-com Telephone Set
Head Set
Single Head Phone

HO ACCESSORIES

Trees
Colonial House
Ranch House
R. R. Station
Church
School House

POP OF

KIT NO. 111 M-2 "MAIL PLANE"

The Douglass "Mail Plane" is as the "Grand-daddy" of speed mail ships of today, flying in all kinds of weather that has become standard for the delivery of U. S. Air Mail. Captured in the Aurora Length 7". Modeled in 2

KIT NO. 115 BOEING P-26A

The Boeing P-26A was the first Army Air Force in 1936. The best plane of its type in history. Features of a single low wing construction are still evident in modern planes. The Aurora version is the original with a scale Length 7".

KIT NO. 116 CURTISS "HAWK"

The P6E was the last of the famous "Hawk" designs of Curtiss Corporation. This fighter chief pre-war aircraft for defense. The insignia of the Aurora model is of the Squadron based at Selma. Wingspan 8 3/4". Length

KIT NO. 117 CURTISS SBC 3 "HELLDIVER"

As the code letters indicated as a two place scout. 425 HP Pratt and Whitney engine. Ability to dive vertically gave this plane its name. Though the SBC-3 was a one place, more "Helldiver" version proved themselves during the war. Aurora model has 9 1/8" wingspan.

KIT NO. 121 BOEING P12E

For the Air Force pilots of the early 1930's, the P12E. Here was the hot plane and almost every squadron used them. The Aurora model is the original. Scale model has 5 1/4" in length.

KIT NO. 122 BOEING F4B4

The very famous Boeing F4B4 fighter of the open cockpit type in the early 30's, the F4B4. World War II broke out and the model features the same as that you'll find in every Aurora trade-mark. Wing

POPULAR PLANES OF THE 1930's

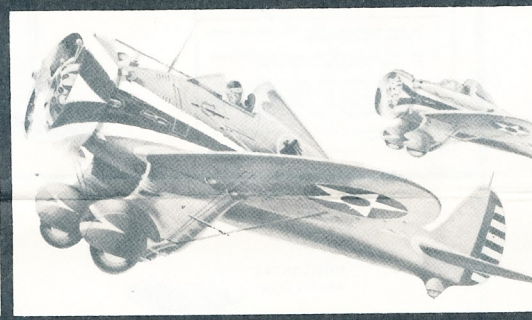
NO. 111 "MAIL PLANE"

Douglas "Mail Plane" M-2 can be referred to as the "Grand-daddy" of all the modern high mail ships of today. This rugged little plane in all kinds of weather created a tradition and has become standard operating procedure in delivery of U. S. Airmail. Superior realism is included in the Aurora model. Wingspan 9 3/4". Length 7". Modeled in 2 colors.



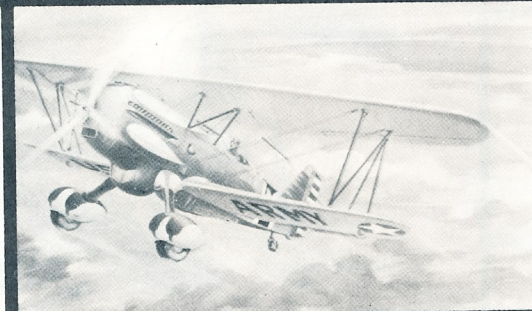
NO. 115 BOEING P-26A

Boeing P-26A was the standard fighter of the United States Air Force in 1936 and was considered the best plane of its type in the world. The unique features of a single low wing and all metal construction are still evident in our present day war planes. The Aurora version is a perfect replica of the original with a scale model wingspan of 7 3/4". Length 7".



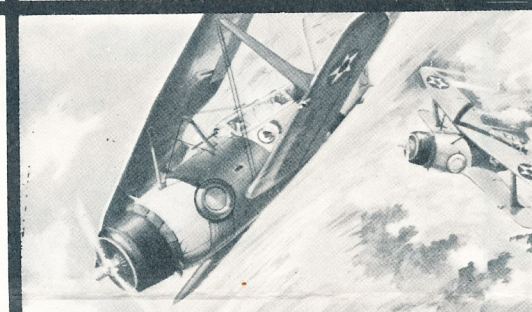
NO. 116 CURTISS "HAWK" P6E

The P6E was the last production model of the famous "Hawk" designs of the Curtiss-Wright Corporation. This fighter plane was one of the best of pre-war aircrafts to be used in America's defense. The insignia on the perfectly detailed Aurora model is of the famous 17th Pursuit Squadron based at Selfridge Field, Michigan. Wingspan 8 3/4". Length 6 7/8".



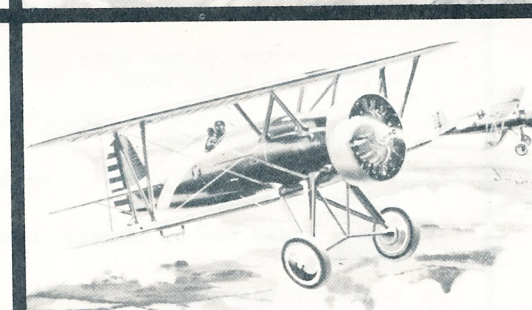
NO. 117 CURTISS SBC 3 "HELLDIVER"

The code letters indicate, the SBC-3 was designed as a two place scout bomber. Powered by a Pratt and Whitney Wasp Engine, its ability to dive vertically with a bomb load soon gave this plane its name, "Helldiver." Even though the SBC-3 was adequate for the pre-war era, more "Helldiver" versions were designed and used themselves during World War II. The Aurora model has 9 1/8" wingspan, 7 1/2" in length.



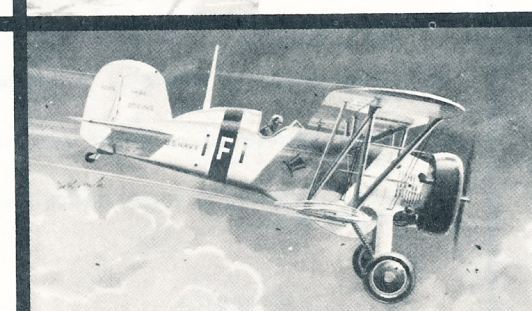
NO. 121 BOEING P12E

For the Air Force pilots of the early 30's there was only one plane they wanted to fly... the Boeing P12E. Here was the hottest pursuit plane of its time and almost every squadron of the Air Corps had them. The Aurora model brings this exciting plane back with all the detailed features of the original. Scale model has 7 1/2" wingspan and is 7 1/2" in length.



NO. 122 BOEING F4B4

The very famous Boeing F4B4 was a first line fighter later of the open cockpit and goggles era. Built in the early 30's, the F4B4 was still in use when World War II broke out in Europe. The scale model features the same high quality and realism that you'll find in every kit that bears the famous Aurora trade-mark. Wingspan 7 1/2". Length 5 1/4".



FOR THE MODEL RAILROADER . . .



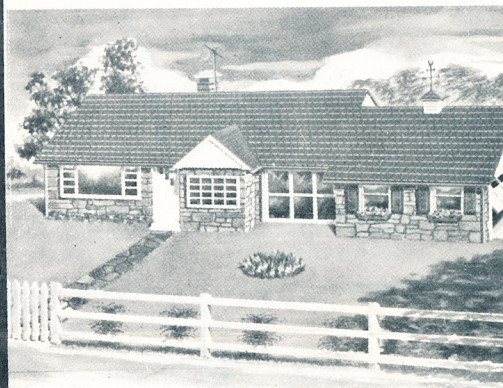
KIT NO. 651 HO TREES

Add beautiful scenic effect to your HO layout with Aurora's realistic trees. Easy to assemble, you can make your tree to whatever height you desire. Kit contains material for 8 average size trees. Molded in 2 colors.



KIT NO. 653 HO RANCH HOUSE

Give your railroad that realistic look with the popular Ranch House that is found all over America. Aurora's two color HO Gauge model is authentically designed and easily assembled with 65 pieces in kit.



KIT NO. 655 HO CHURCH

The perfect touch add to your HO layout. Beautifully and authentically designed in two colors with 34 pieces that are easily assembled. Aurora's model is of a small town church.

