

SAAB J-37 VIGGEN



HISTORY OF THE SAAB J-37 VIGGEN

The Saab Viggen is the remarkable product of a very small group of Swedish aircraft engineers. The Viggen is a purely Swedish design although it bears a striking similarity to the giant American XB-70 bomber. A canard, or tail first, design was selected for the Viggen because of its good lift characteristics at low speed. The Viggen can take-off or land within 1,500 feet - less than any comparable supersonic aircraft. An automatic jet thrust reverser uses the power of the engine to brake the fighter as soon as the wheels touch the ground. These features make it possible to operate the Viggen from Sweden's highways if regular runways should be unavailable.

First production version of the Viggen is the AJ-37 attack-interceptor. Other versions of this outstanding aircraft include the Sk. 37 two-seat trainer and the S. 37 reconnaissance aircraft.

None of the Viggen's weapons are carried internally. Four pylons are mounted beneath the wings for bombs, rockets, gun pods, or missiles. A centerline pylon on the fuselage can carry the same type of weapons or an additional fuel tank.

The Viggen's power plant is a modified version of the Pratt & Whitney JT 8 D bypass turbofan of the type used in the U.S.A.F.'s triple-sonic YF-12A and SR-71. With the Swedish modifications, the engine produces 26,400 lbs of thrust, the most powerful engine of its type in a military aircraft. Needless to say, the Viggen enjoys exceptional performance with a Mach 2 plus top speed.

SAAB Viggen Characteristics:

Wingspan — 37 feet 7 inches

Length — 53 feet 6 inches

Engine — one Svenska flygmotor RM8 rated at 14,000 lbs. thrust, 26,400 lbs with afterburner.

Top Speed — over 1,320 mph (Mach 2 +)

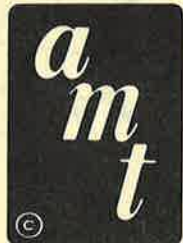
Armament — conventional bombs, rockets, air to surface missiles, gun pods, mines, or Hughes Falcon heat seeking or radar-guided air-to-air missiles.

READ THIS BEFORE YOU BEGIN

AMT kits are moulded from the finest high-impact styrene plastic. Use only paint and cement made for styrene. Trim excess plastic from parts before joining. Use just enough cement to join parts, and be careful not to smear cement on exposed surfaces.

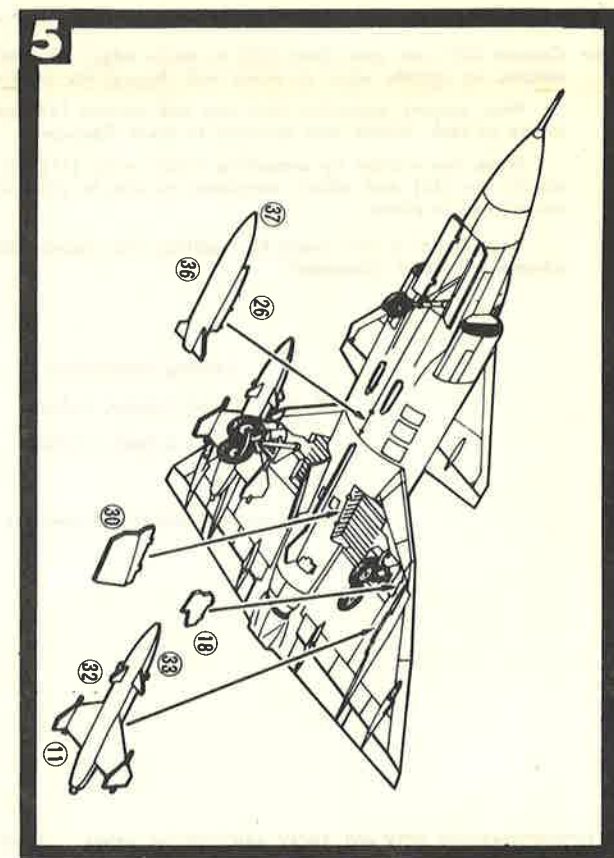
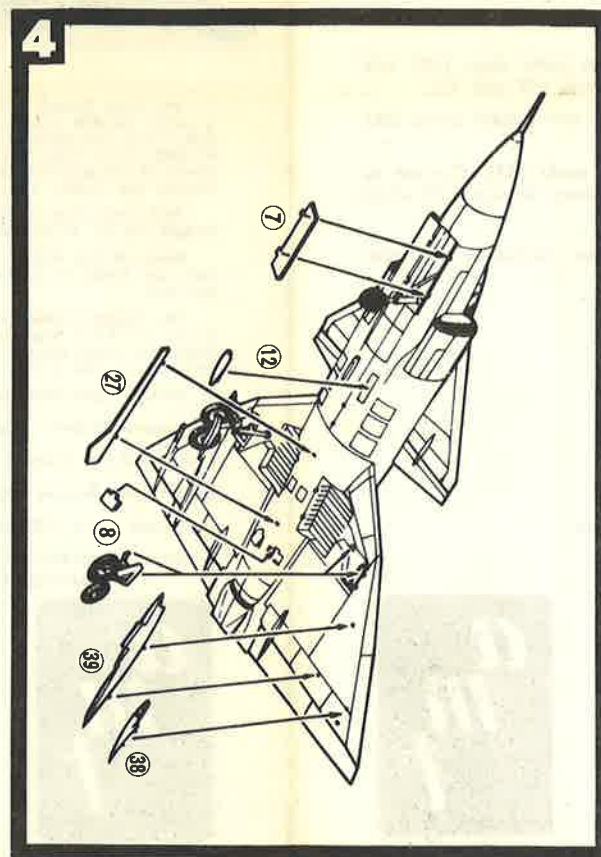
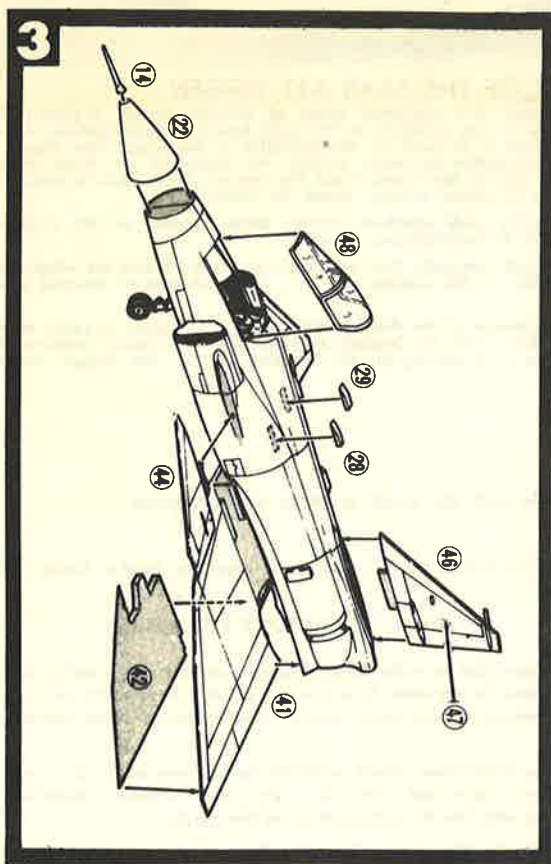
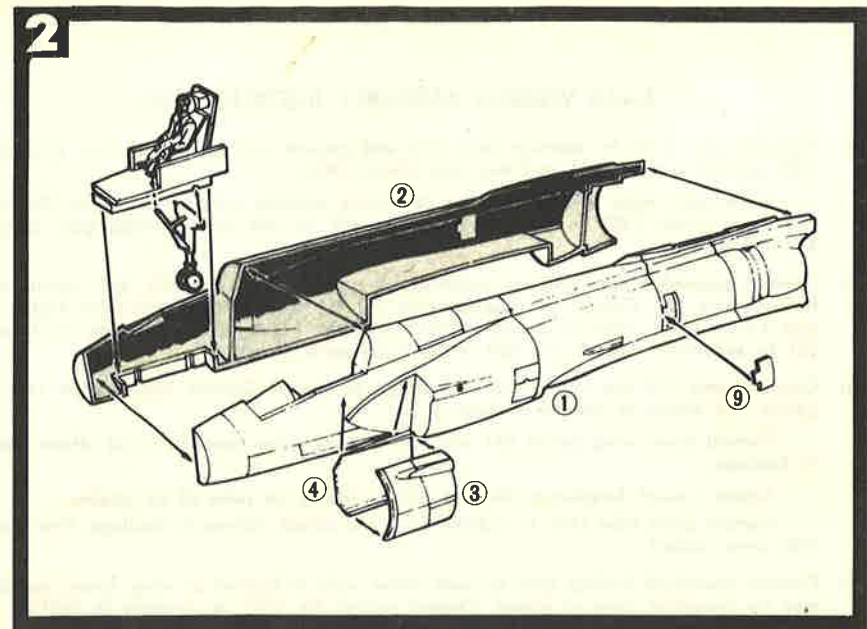
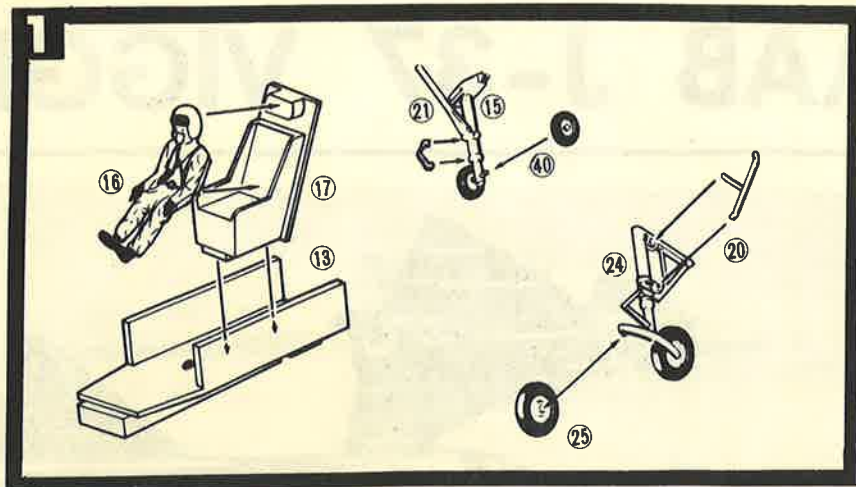
Look over this instruction sheet carefully before you begin building. Follow the assembly instructions and "test fit" the parts without cementing. This will familiarize you with the fit and location of the parts.

Built according to the instructions on this sheet, you should have no trouble assembling your model.



HASEGAWA

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SAAB VIGGEN ASSEMBLY INSTRUCTIONS

Step 1: Cement pilot (16) to ejection seat (17) and cement seat to cockpit floor (13). To nose strut (15) cement scissors (21) and two nose wheels (40).

Make right main landing gear by cementing actuator (20) to main strut (24). Now cement two main wheels (25) to axles as shown. Repeat for left main landing gear using parts (20, 23, and 25).

Step 2: Cement assembled nose gear to underside of cockpit floor assembly and attach unit to right fuselage side (2). Cement left fuselage side (1) to right fuselage side. Air Brakes (9 and 10) may be cemented open or closed. Cement separator (4) to side of fuselage and locate air intake (3) to separator. Repeat for right intake using parts (5 and 6).

Step 3: Cement vents (28 and 29) to top of fuselage as shown. Cement rudder parts (46 and 47) together and attach to rear of fuselage.

Cement lower wing panels (42 and 43) to upper wing panel (41) and attach completed wing to fuselage.

Attach canard foreplanes (44 and 45) to fairing on sides of air intakes.

Cement pitot tube (14) to radome (22) and attach radome to fuselage. Now cement canopy (48) over cockpit.

Step 4: Cement assembled landing gear to main wheel wells in bottom of wing. Lower speed brakes (8) may be cemented open or closed. Cement ventral fin (27) to locators in bottom of fuselage. Cement elevon fairings (38 and 39) into position on both wings as shown.

Air scoops (12) should be cemented to underside of fuselage with flat end facing forward. Location is shown by fine engraved lines.

Cement nose gear doors (7) to sides of nose wheel well.

Step 5: Cement left main gear door (30) to inside edge of wheel well. Cement outer door (18) into notches on outside edge of wheel well. Repeat for right wheel using parts (19 and 31).

Now cement centerline tank top and bottom (37 and 36) together and cement pylon (26) to top of tank. Attach tank assembly to lower fuselage.

Make two missiles by cementing missile wing (11) to lower missile body (32). Cement to missile top (33) and attach completed missiles to pylon extensions on elevon fairings (39) which are already in place.

Your model is now ready for painting and decals. Refer to the box illustration for color scheme and decal placement.

Painting Instructions:

Gray — cockpit interior, radome

White — pilot's helmet, missiles

Black — tires

Light green — wheel well interiors, inside of doors

