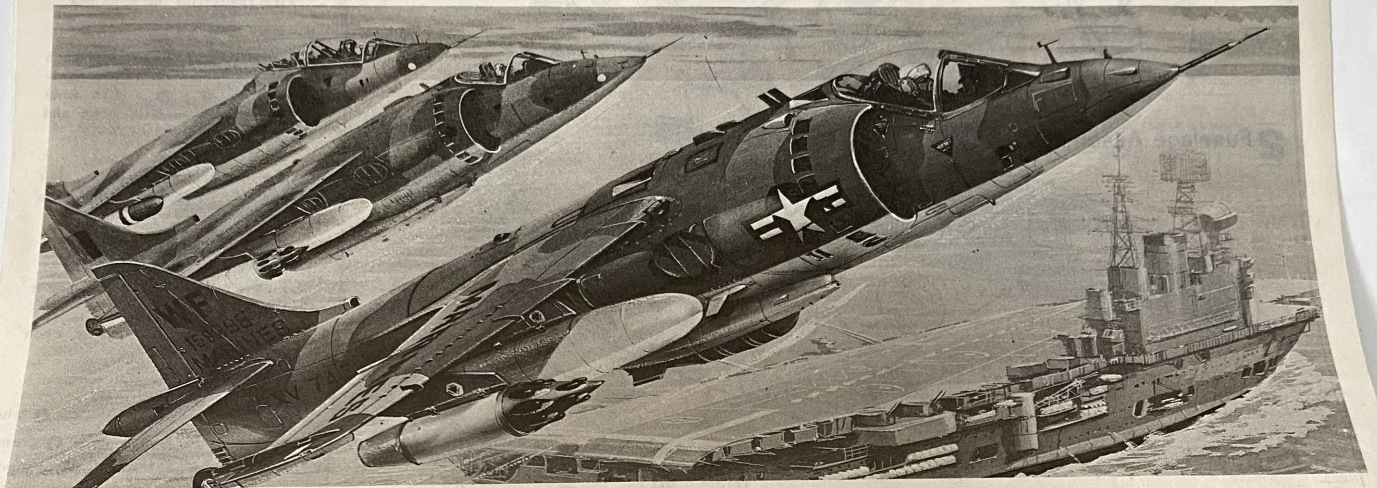


# HAWKER SIDDELEY HARRIER GR-1

1/72 Scale Series Kit No. JS-028



## HISTORY

Commented by: T. Nozawa

The V/STOL is a vertical short take-off and landing aircraft, and can stay in the air. Harrier, the world's first V/STOL fighter plane, could easily land and take-off in an area the size of a school playground, a tennis court, a secret base in the forest or on a ship. As its maximum speed is Mach 1.25, it is very useful in dogfights, ground attacks, bombing, reconnaissance and liaison services. The exhaust nozzles for the jet engines are on each side of the fuselage. The angle can be moved from horizontal to 94° downward, and by this, the vertical take-off and forward flight is activated. Beside this, in negotiating the position of the airframe, the air from the high pressure compressor is directed and jetted to the nose, tail and to the control valves on top of both wings. Harrier prototype, Howker P.1127, flew for the first time in 1960. After 6 years of operating experience with the Kestrel series the first close support and tactical reconnaissance version - Harrier GR.1 was produced in 1967; the first two-seater Harrier T.2 trainer flew in 1969. The first Harrier operated with the British Air Force, then with the U.S. Marines (designated AV-8A) and the U.S. Navy with a remodeled version.

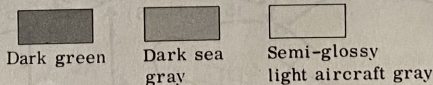
Under the fuselage and the wings are 30 mm Aden gunpods, rocket bombs or air-to-air missiles or camera pods for reconnaissance. For long range flight, an auxiliary fuel tank can be installed. These combinations can be altered according to the mission. The rigging indicated in the assembly drawing are the typical examples.

## DATA

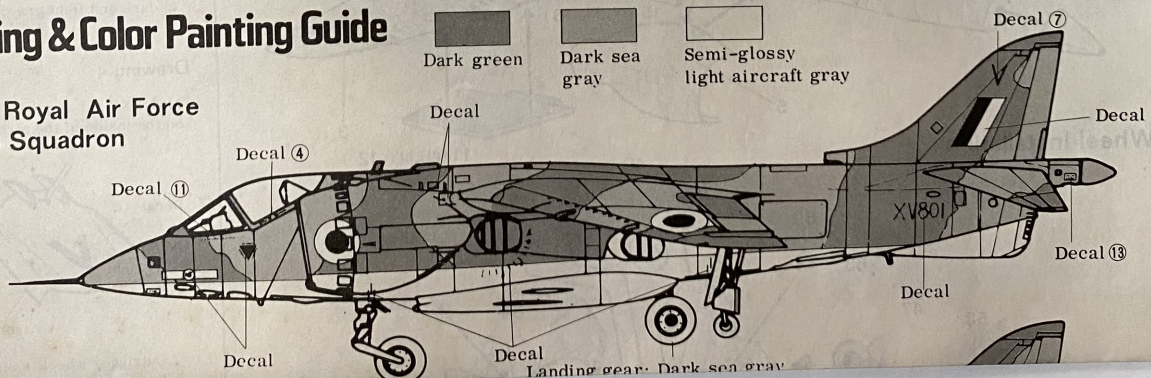
Crew: 1 / Engine: Rolls-Royce Bristol Pegasus 101, Turbofan. Thrust: 8,620 kg x 1 / Wing span: 7.70 m / Overall length: 13.91 m / Overall height: 3.43 m / Wing area: 18.68 m<sup>2</sup> / Basic weight: VTOL 7,260 kg, STOL 11,340 kg / Max. speed: Mach 1.25 (approx. 1,400 km/h, 1,200 km/h (low altitude) / Absolute service ceiling, without armaments: 14,040 m / Max. range without armaments: 3,700 km / Max. armaments: 3,630 kg

The airframe on the T.2 is larger than the GR.1; the wing span is 9.08 m, the overall length, 17.10 m and the basic weight, 6,000 kg.

## Marking & Color Painting Guide



① The Royal Air Force  
20th Squadron



Landing gear: Dark sea gray







