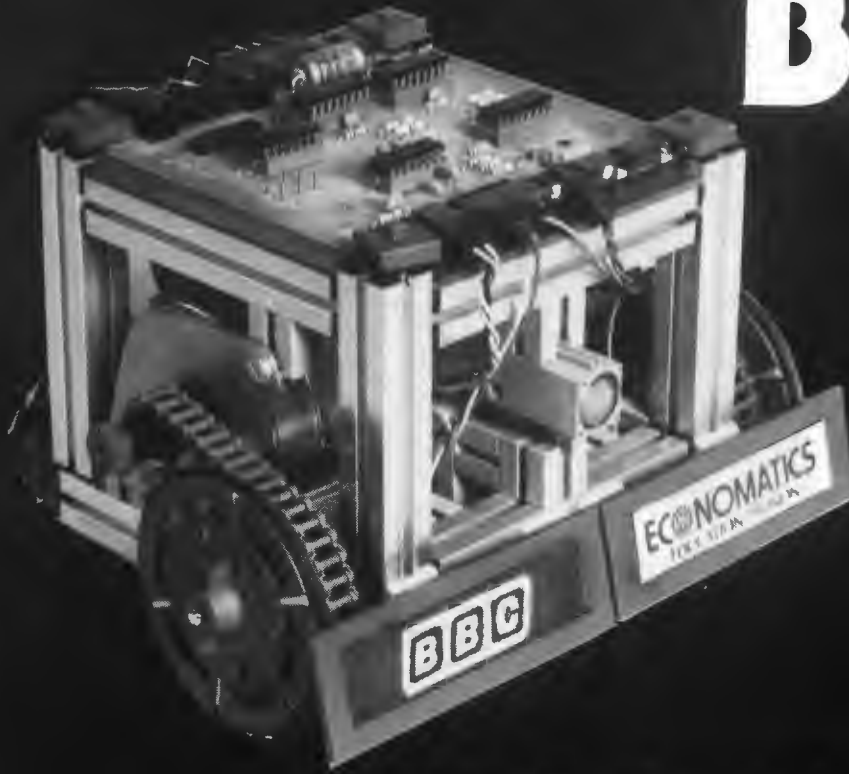




THE **BBC** **BUGGY**



The Control Pack Contents

1. Easily assembled **fischertechnik** construction kit.
2. Stepper motors fully wired.
3. Electronic circuit boards, fully assembled.
4. All control cables.
5. Software tape with 13 programs.
6. Software documentation.
7. Assembly instructions.

Only a screwdriver and M4 spanner required.

Suitable for BBC Model B machines
1.0 operating systems and above.

The Robot that knows where it's going

A unique BBC micro-computer controlled vehicle designed in conjunction with specialists from the BBC Computer Literacy Project team and the Micro-electronics Education Programme, the Buggy brings computer control technology within the reach of everyone in a self-contained "Control Pack."

Expandability, as a theme, runs through the whole design, with the use of a versatile and comprehensive construction kit system for the chassis, accurate stepping motors for motive power and an electronic circuit with a full range of sensors for the control of vehicle functions.

The software continues the "building block" principle with an accompanying tape containing 12 robust application programs (with full graphics) as well as an initial familiarisation routine. Each program is constructed on a

modular basis and by linking these modules in different ways, new and individual programs can be created. Explicit documentation on software and operation of the Buggy is included in the "Control Pack."

Future developments will include a pen operating system with educational applications in mind. The BBC "Control Pack" represents a major step forward in demonstrating control by micro-computer. It will be an important teaching medium in school and home and should form the basis of a whole new generation of mobile robotic devices.

PROGRAMS

Test and familiarisation.
 Switch – direct computer control.
 Memory Switch – demonstrating computer memory.
 Recorder – route display.
 Snail – screen route planning.
 Routeplanner – advanced version of Snail.

Bar Code Routeplanner – non-keyboard information input.
Explore for object – seeks out objects, defines shapes and returns home.

Explore for wall – mapping of boundaries.
 Sunseeker – seeking a light and negotiating obstructions.
 Man vs. Buggy – 'Flying blind'.
 Line Follower – black or white line following.
 Tin Pan Alley – composing music by bar codes.



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