

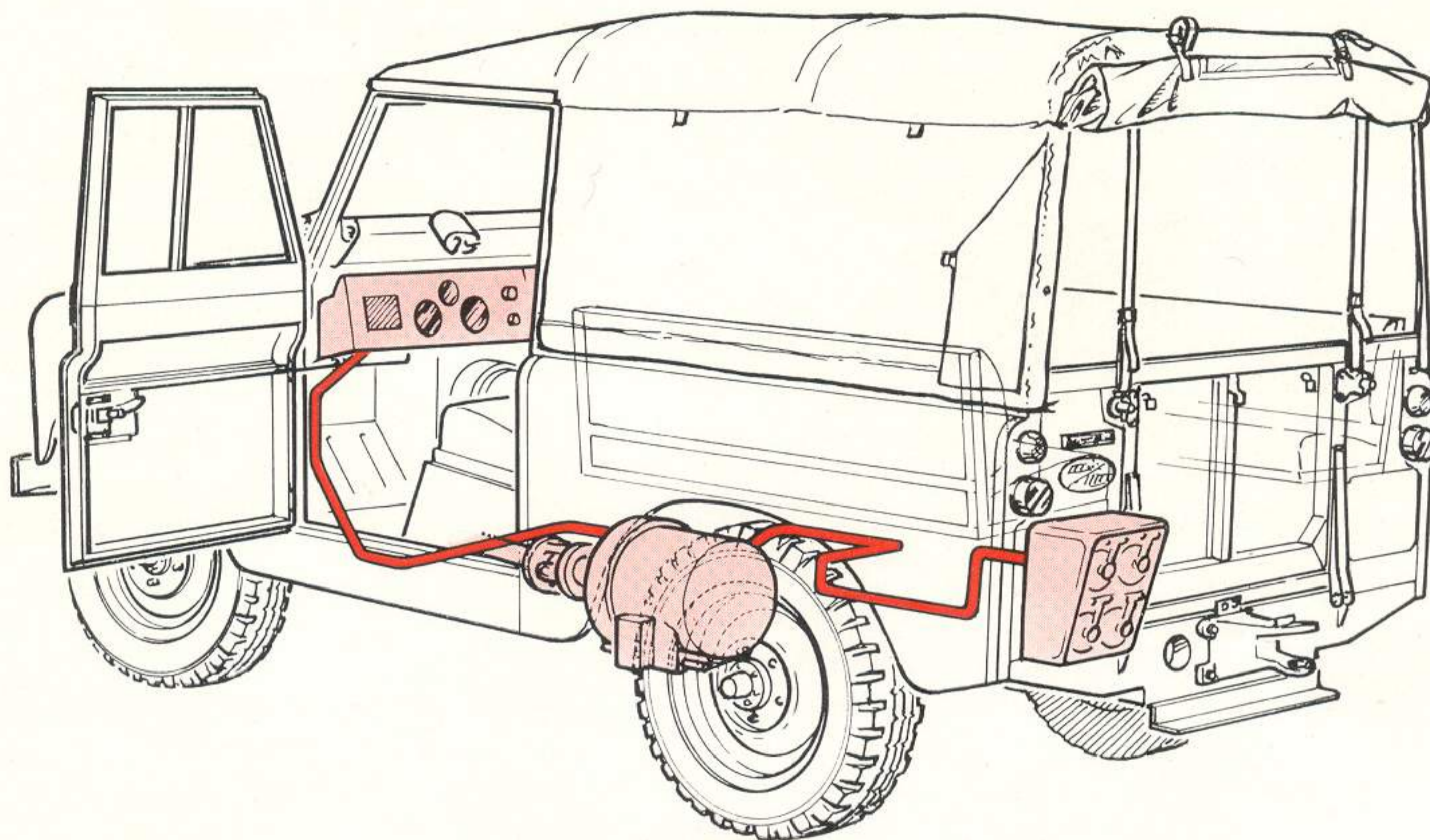
# 'ENGLISH ELECTRIC'

As approved by the ROVER Co. Ltd.  
for use with the



**15 kVA**

## **GENERATING SYSTEM**



- No reduction in freight space, ground clearance or manoeuvrability.
- Power, equipment and operators all in one vehicle.
- Operational within one minute.
- Easily installed, requires no maintenance.
- Employs high-frequency, high power/low-weight power tools.

**THE ENGLISH ELECTRIC COMPANY LIMITED**  
**SPECIAL PRODUCTS GROUP, Bradford, Yorkshire, England.**

Telephone: Bradford 65221

The English Electric Company have developed an extremely compact but powerful generating system suitable for mounting unobtrusively in the chassis of the vehicle, thereby providing a source of electrical power which can be carried to any part of the country in which the vehicle is capable of being driven. Tailored to the Land-Rover chassis, and driven from the vehicle engine via the power take-off adaptor, the generating system does not interfere with the carrying capacity or the ground clearance of the Land-Rover, and hence does not prevent the vehicle from being operated in the normal role when the generator is not in use. The generating system is simple to operate and electrical power can be supplied in less than one minute after the vehicle has come to a standstill. The applications offered by a mobile source of electricity are many, and examples of the more common types of equipment which are often required for use in the field are given below :



## APPLICATIONS

### **Mobile Workshop**

Welding Unit, Drills, Grinders, Nibblers, Shears, Hacksaw

### **Constructional, Mining**

Rock Drill, Breaker Hammers, Floodlighting, Submersible Pumps, Concrete Vibrators

### **Woodcutting**

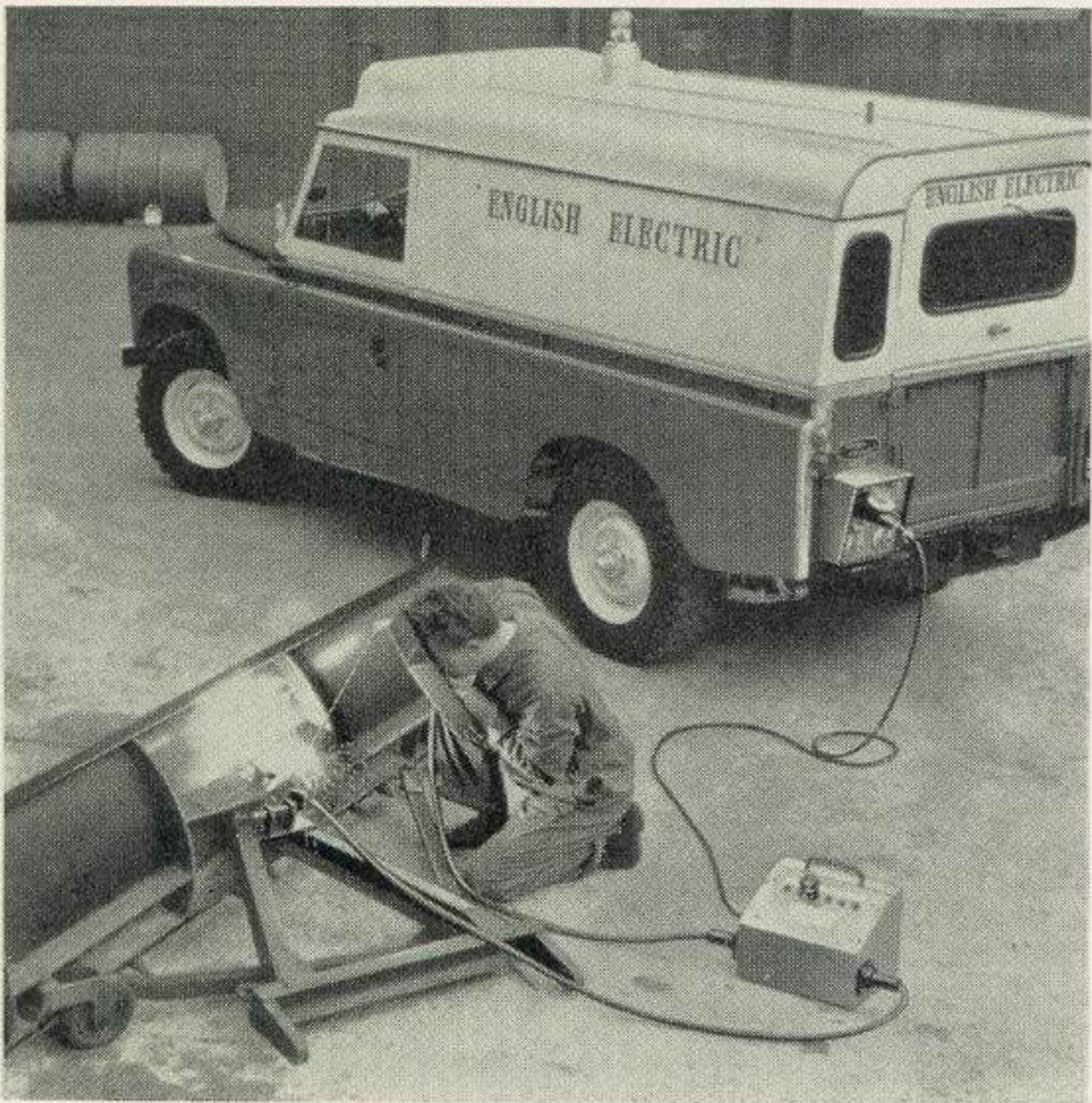
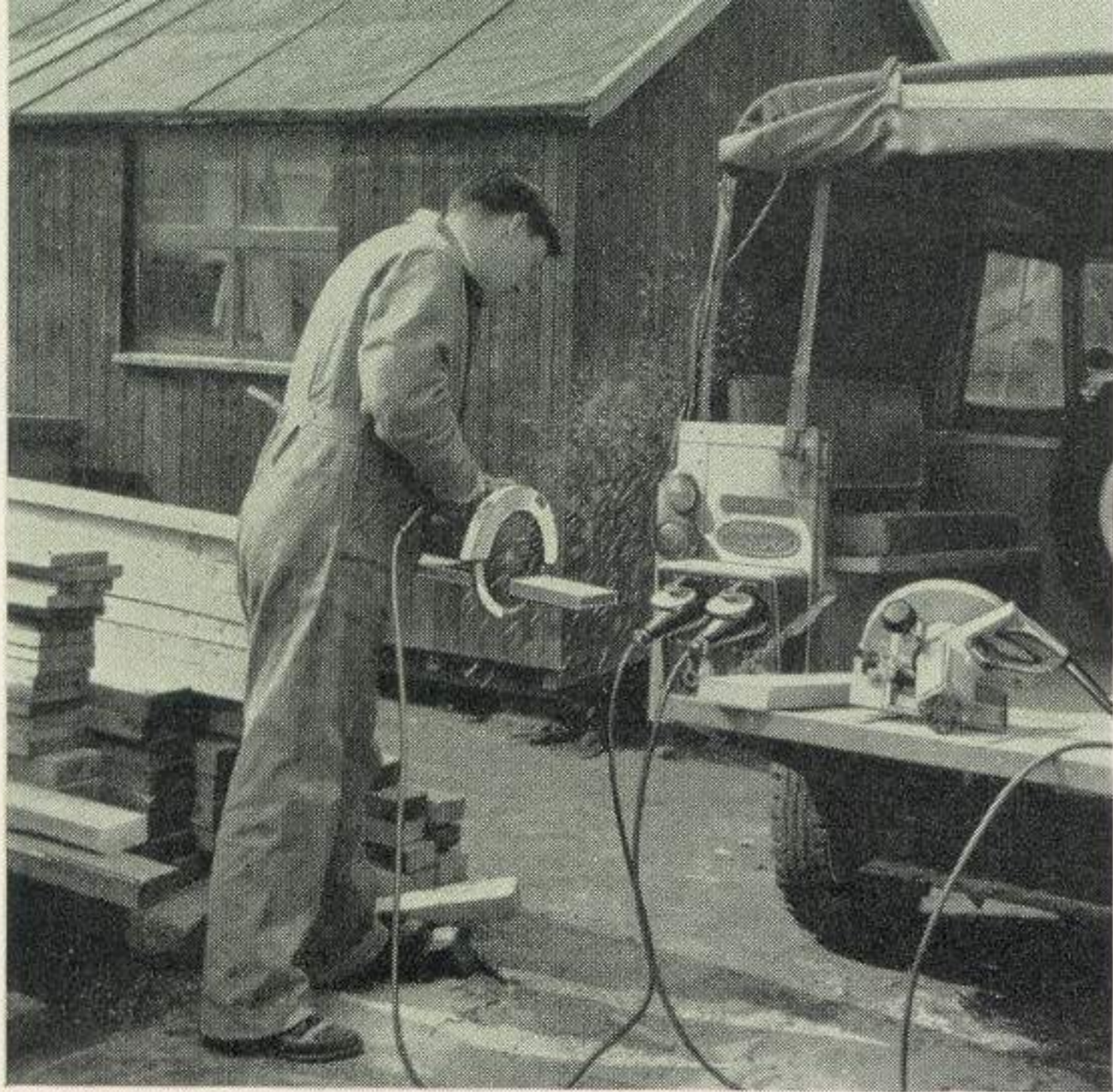
Chain Saw, Circular Saw

### **Crash Rescue**

Cutting Disc, Shears, Nibbler

### **Power Supplies**

Communications, Radar and Instrument systems, Check out



# Details and Specification

The English Electric 400 c/s Generating system has been specially designed and developed to provide a mobile, high-output power source, for the operation of a wide range of power tools, pumps, floodlighting equipment and welding sets. The generator is mounted on a chassis cross-member beneath the vehicle floor; the vehicle freight space, ground clearance and manoeuvrability are therefore unaffected. A 115V (to earth), 400 c/s system has been chosen to allow the use of the latest types of high power, low-weight tools. These tools are fitted with induction motors giving increased reliability and long life with a minimum of maintenance. This highly mobile, single vehicle unit is capable of transporting men and tools, and providing the power supply on any site within the well-known cross country capability of the Land-Rover. The power tools can be in operation within one minute of arrival on site.

<b>Generator</b>	A two-stage, brushless, air-cooled, self-excited generator, coupled to the engine centre power take-off shaft and mounted beneath the body floor.
<b>Output</b>	15 kVA, 200 V (115 V to earth), 3-phase, 400 c/s, at 0.8 p.f. supplied to four outlet sockets mounted at the rear of the vehicle; each socket rated at 16 amp. continuous running.
<b>Control</b>	Voltage Regulator, semi-conductor type, mounted on the generator control panel on the vehicle dash. A pre-set control on the voltage regulator may be used to adjust the output voltage, but normally this should not be necessary.
<b>Protection</b>	Thermal overload circuit-breaker and earth-leakage trip circuit, the trip circuit being designed such that should any leakage to earth occur the generator excitation is removed.
<b>Servicing</b>	The generator and voltage regulator should not require any servicing during the useful life of the vehicle.
<b>Installation</b>	The system is designed so that it can be installed in one day, from a complete set of parts, using the tools available in any garage.

The Rover Company Limited is not responsible for the manufacture of approved equipment and/or bodywork, although they have closely examined specification and design. Matters concerning Sales (including Shipping, Delivery etc.), Service or Warranty Claims are the responsibility of the manufacturer (whose name and address is given on this leaflet) or his agent. In cases of difficulty concerning approved equipment, the Special Projects Section of the Land-Rover Engineering Department is available to offer advice.

## LAND ROVER EXTRAS REQUIRED

**Centre Power Take Off**  
**Engine Speed Governor for Petrol Engines**  
**Oil cooler (Tropical Climates.)**