

Electrical System

Job No.

54—0

A. General

The voltage of the electrical system is 12 v. The individual electrical assemblies are supplied with current from the battery or generator by various wiring harnesses:

- the battery cable,
- the main wiring harness,
- the rear light wiring harness,
- the wiring harness for the steering tube,
- the wiring harness from the generator to the regulator,
- the wiring harness for the reversing light,
- the ignition cable from the ignition coil to the distributor, and
- the ignition cable harness from the distributor to the spark plugs.

The various harnesses contain a complete set of the necessary electric leads. For easy recognition, the individual cables are marked with various colors, each of them having one basic and two color code colors, in the latter case taking the form of narrow spiral strips around the cable. In order to simplify work on the electrical system, the main wiring harness, which contains a considerable number of cables, is shown schematically in Fig. 54—1/1, the rear light harness in Fig. 54—2/1, the steering tube harness in Fig. 54—3/1, and the harness from the generator to the regulator in Fig. 54—4/1.

Whenever work is done on the electrical system, the ground cable at the negative terminal of the battery must always be disconnected in order to avoid the possibility of shorts.

Checking of the harnesses for ground shorts can be carried out either with a testing lamp or with a hand magneto. All earth connections must be checked to see that the contact surfaces are well tinned. This is in order to avoid transient resistance and voltage drop.

The circuit diagram (see Fig. 54—0/1) shows the whole lay-out of the electrical assemblies and instruments.

B. Set of Bulbs

	Number	Wattage each	Remarks
Upper beam / lower beam	2	35/35	
Fog lights (optional)	2	35	
Parking beam	2	5	
License plate and trunk compartment lights	2	5	tubular
Tail light	2	5	tubular
Brake light	2	15	tubular
Instrument and clock lights	4	2	
Beam indicator	1	2	
Charge indicator	1	3	tubular
Choke control indicator	1	2	
Signal indicator	1	2	
Flash signal, front	2	15	
Flash signal, rear	2	15	tubular
Reversing light	1	15	tubular
Parking light right (front)	1	2	
Parking light right (rear)	1	2	tubular
Parking light left (front)	1	2	
Parking light left (rear)	1	2	tubular
Interior lighting	1	5	tubular