C. Circuit Diagrams

I. Model 180

The small numbers shown on the leads denote the numbers of the corresponding terminals.

1. Flash signal
2. Clearance light
3. Engine
4. Distributor
5. Ignition coil
6. Horn
7. Fog lights
8. Headlights
9. Flash signal mechanism
10. Flash signal pilot light
11. Choke control
12. Upper beam
13. Fuel gage
14. Fuel reserve pilot light
15. Clock
16. Roof light with switch
17. Defroster blower
18. Upper beam
19. Lever beam
20. Parking light
21. Instrument cluster
22. Coupling
23. Choke control
24. Instrument lighting switch
25. Left
26. Center
27. Right
28. Door contact switch
29. Cigar lighter
30. Switch
31. Ground, chassis
32. Dimmer resistance
33. Windshield wipers
34. Switch with limit stop mechanism
35. Reversing light switch
36. Stop light switch
37. Fuses
38. Foot dimmer switch
39. Steering lock
40. Starter push-button switch
41. Rotary light switch with positions for clearance light and pull switch for fog lights
42. Regulator
43. Starter 6 volts
44. Charging light
45. Steering wheel
46. Clearance light change-over switch
47. Generator 6 volts
48. Horn ring and flash signal switch
49. Fuel level indicator
50. Battery 6 volts 84 Ah
51. License plate lighting
52. Stop light (left)
53. Stop light (right)
54. Reversing light
55. Tail light
56. Stop light (right)
57. Tail light
58. Flash signal

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The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Clearance light and flash signal, left
1b Clearance light and flash signal, right
2 Engine
3 Distributor
4 Ignition coil
5 Horn
6a Fog light, left
6b Fog light, right
7a Headlight, left
7b Headlight, right
8 Instrument cluster
9 Coupling
10 Clock
11 Interior light with switch
12 Door contact
13 Heater blower motors (optional)
14 Heater blower motor switch
15 Cable for upper beam
16 Cable for lower beam
17 Cable for parking light
18 Flash signal mechanism
19 Choke control
20 Socket (optional)
21 Instrument lighting switch
22 Cigar lighter
23 Windshield wiper
24 Windshield wiper switch
25 Free for optional extra
26 Reversing light switch
27 Stop light switch
28 Clearance light changeover switch
29 Fuses
30 Foot dimmer switch
31 Ignition switch and steering lock
32 Charging light
33 Upper beam flash signal switch (optional)
34 Horn ring and flash signal switch
35 Starter button
36 Rotary light switch with positions for clearance light and pull switch for fog lights
37 Starter 12 v
38 Upper beam flash signal mechanism (optional)
39 Fuel level indicator
40 Regulator
41 Generator 12 v
42 Battery 12 v
43 License plate lighting, left
44 License plate lighting, right
45 Taillight, stop, clearance light, left
46 Reversing light, left
47 Flash signal, left
48 Tail, stop, clearance light, right
49 Flash signal, right
The small numbers shown on the leads denote the numbers of the corresponding terminals.
The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Flash signal, left
1b Flash signal, right
2 Engine
3 Glow plug resistance
4 Horn
5a Fog light, left
5b Fog light, right
6a Headlight, left
6b Headlight, right
6c Cable for parking light
6d Cable for lower beam
6e Cable for upper beam
7 Instrument cluster
8 Glow plug indicator resistor
9 Clock
10 Roof light with switch
11 Heater blower motors (optional)
12 Flash signal mechanism
13 Coupling
14 Glow plug starter switch
15 Door contact
16 Switch with pilot light for heater blower motors
17 Ground, chassis
18 Switch for instrument lighting and dimmer resistance
19 Cigar lighter
20 Windshield wiper and switch with limit stop mechanism
21 Reversing light switch
22 Stop light switch
23 Cable connector
24 Fuses
25 Foot dimmer switch
26 Steering lock with charging light
27 Rotary light switch with positions for clearance light and pull switch for fog lights
28 Generator 12 v with regulator
29 Starter 12 v
30 Steering wheel with horn ring and flash signal switch
31 Clearance light changeover switch
32 Fuel level indicator
33 Battery
34a Clearance and stop light, left
34b Reversing light and tail light, left
34c Flash signal, left
35 License plate lighting
36a Clearance and stop light, right
36b Tail light, right
36c Flash signal, right

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V. Model 190 D

The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Clearance light and flash signal, left 17 Cable for lower beam 35 Rotary light switch with positions for clearance light and pull switch for fog lights
1b Clearance light and flash signal, right 18 Cable for parking light 36 Starter 12 v
2 Engine with glow plugs 19 Flash signal mechanism 37 Regulator
3 Glow plug resistance 20 Socket (optional) 38 Upper beam flash signal mechanism
4 Glow plug indicator resistor 21 Instrument lighting switch 39 Fuel level indicator
5 Horn 22 Cigar lighter 40 Generator 12 v
6a Fog light, left 23 Windshield wiper 41 Battery
6b Fog light, right 24 Windshield wiper switch 42 License plate and trunk compartment lighting, left
7a Headlight, left 25 Free for optional extra 43 License plate and trunk compartment lighting, right
7b Headlight, right 26 Reversing light switch 44 Tail, stop, clearance light, left
8 Instrument cluster 27 Stop light switch 45 Reversing light, left
9 Coupling 28 Clearance light changeover switch 46 Flash signal, left
10 Clock 29 Fuses 47 Tail, stop, clearance light, right
11 Glow plug starter switch 30 Foot dimmer switch 48 Flash signal, right
12 Interior light with switch 31 Steering lock with glow plug and starter main switch
13 Door contact 32 Charging light
14 Heater blower motors 33 Upper beam flash signal switch
15 Heater blower motor switch 34 Horn ring and flash signal switch
16 Cable for upper beam
The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Clearance light and flash signal, left
1b Clearance light and flash signal, right
2 Glow plugs (engine)
3 Glow plug resistance
4 Glow plug indicator resistor
5 Horn
6a Fog light, left
6b Fog light, right
Optional
7a Headlight, left
7b Headlight, right
8 Instrument cluster
9 Coupling
10 Glow plug starter switch
11 Clock
12 Interior light with switch
13 Door contact
14 Heater blower motors (optional)
15 Heater blower motor switch
16 Cable for upper beam
17 Cable for lower beam
18 Cable for parking light
19 Flash signal mechanism
20 Socket (optional)
21 Instrument lighting switch
22 Cigar lighter
23 Windshield wiper with switch
24 Foot pump for windshield washer
with windshield wiper switch
25 Free for optional extra
26 Reversing light switch
27 Stop light switch
28 Cable connector
29 Fuses
30 Foot dimmer switch
31 Steering lock
32 Flash signal switch
33 Charging light
34 Horn ring
35 Steering wheel
36 Rotary light switch with positions for clearance light and pull switch for fog lights
37 Starter 12 v
38 Upper beam flash signal mechanism
39 Fuel level indicator
40 Regulator
41 Generator
42 Battery 12 v, 56 Ah
43 License plate and trunk compartment lighting, left
44 License plate and trunk compartment lighting, right
45 Tail, stop, and clearance light, left
46 Reversing light, left
47 Flash signal, left
48 Tail, stop, and clearance light, right
49 Flash signal, right
VII. Model 190 SL

The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Clearance light and flash signal, left  
1b Clearance light and flash signal, right  
2 Engine  
3 Distributor  
4 Ignition coil  
5 Horn  
6a Headlight, left  
6b Headlight, right  
6c Upper beam  
6d Lower beam  
6e Parking light  
7 Fog light  
8 Flash signal mechanism  
9 Revolution counter  
10 Speedometer  
11 Fuel reserve gage  
12 Oil pressure gage  
13 Cooling water thermometer  
14 Socket  
15 Heater blower switch  
16 Blower motor  
17 Windshield wiper  
18 Reversing light switch  
19 Stop light switch  
20 Dimmer resistance  
21 Instrument lighting switch  
22 Cigar lighter  
23 Push-pull switch for windshield wiper, two-speed  
24 Upper beam pilot light  
25 Flash signal pilot light  
26 Choke control pilot light  
27 Charging light  
28 Choke control  
29 Fuses  
30 Foot dimmer switch  
31 Cable connector  
32 Upper beam flash signal mechanism  
33 Ignition and starter switch  
34 Door contact  
35 Interior light  
36 Rotary light switch  
37 Regulator  
38 Generator  
39 Upper beam flash signal switch  
40 Steering wheel horn ring with flash signal contact  
41 Clearance light changeover switch  
42 Fuel level indicator  
43 Starter  
44 Battery  
45 Clearance, stop, and tail light, left  
46 Reversing light  
47 Flash signal, left  
48 License plate and trunk compartment lighting  
49 Clearance, stop, and tail light, right  
50 Free for reversing light on right-hand drive cars  
51 Flash signal, right
The small numbers shown on the leads denote the numbers of the corresponding terminals.

1. Clearance lights and flash signals
2. Engine
3. Distributor
4. Reading light
5. Horn
6. Fog lights
7. Headlights
8. Clearance light
9. Flash signal
10. Ignition coil
11. Door contact
12. Heater blower motors
13. Flash signal mechanism
14. Instrument cluster
15. Series resistance
16. Clock
17. Socket
18. Upper beam
19. Lower beam
20. Parking light
21. Coupling
22. Roof light
23. Cable connector
24. Cigar lighter
25. Switch
26. Choke control
27. Ground, chassis
28. Reversing light switch
29. Stop light switch
30. Fuses
31. Foot dimmer switch
32. Rotary light switch with positions for clearance light and pull switch for fog lights
33. Steering lock
34. Steering wheel
35. Horn ring and flash signal switch
36. Charging light
37. Clearance light change-over switch
38. Starter button
39. Fuel level indicator
40. Starter 12 volts
41. Regulator
42. Generator 12 volts
43. Battery 12 volts
44. License plate and trunk compartment lighting
45. Tail light
46. Stop light
47. Clearance light
48. Reversing light
49. Flash signal
50. Free for reversing light (right hand drive)
51. Windshield wipers
The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Clearance light and flash signal, left
1b Clearance light and flash signal, right
2 Engine
3 Distributor
4 Ignition coil
5 Horn
6a Fog light, left
6b Fog light, right
7a Headlight, left
7b Headlight, right
8 Instrument cluster
9 Coupling
10 Socket
11 Clock
12 Interior light with switch
13 Door contact
14 Heater blower motors
15 Switch
16 Cable for upper beam
17 Cable for lower beam
18 Cable for parking light
19 Flash signal mechanism
20 Choke control
21 Instrument lighting switch
22 Cigar lighter
23 Windshield wiper
24 Windshield wiper cable
25 Cable for automatic clutch (optional)
26 Reversing light switch
27 Stop light switch
28 Clearance light changeover switch
29 Fuses
30 Foot dimmer switch
31 Ignition switch and steering lock
32 Charging light
33 Upper beam flash signal switch
34 Horn ring and flash signal switch
35 Starter button
36 Rotary light switch with positions for clearance light and pull switch for fog lights
37 Starter 12 v
38 Upper beam flash signal mechanism
39 Fuel level indicator
40 Regulator
41 Generator 12 v
42 Battery 12 v, 56 Ah
43 License plate lighting, left
44 License plate lighting, right
45 Tail, stop, clearance light, left
46 Reversing light, left
47 Flash signal, left
48 Tail, stop clearance light, right
49 Flash signal, right
The small numbers shown on the leads denote the numbers of the corresponding terminals.

- 1a: Clearance light and flash signal, left
- 1b: Clearance light and flash signal, right
- 2: Engine
- 3: Distributor
- 4: Ignition coil
- 5: Reading light
- 6: Horns
- 7a: Fog light, left
- 7b: Fog light, right
- 8a: Headlight, left
- 8b: Headlight, right
- 8c: Cable for upper beam
- 8d: Cable for lower beam
- 8e: Cable for parking light
- 9: Flash signal mechanism
- 10: Instrument cluster
- 11: Clock
- 12: Series resistance
- 13: Socket
- 14: Door contact
- 15: Roof light
- 16: Heater blower motors, left, right (optional)
- 17: Cable connector
- 18: Heater blower motor switch
- 19: Cigar lighter
- 20: Coupling
- 21: Choke control
- 22: Instrument lighting switch
- 23: Roof light switch
- 24: Windshield wiper
- 25: Windshield wiper switch
- 26: Reversing light switch
- 27: Stop light switch
- 28: Cable for automatic clutch (optional)
- 29: Fuses
- 30: Foot dimmer switch
- 31: Clearance light changeover switch
- 32: Rotary light switch with positions for clearance light and pull switch for fog lights
- 33: Ignition switch and steering lock
- 34: Upper beam flash signal switch
- 35: Charging light
- 36: Horn ring and flash signal switch
- 37: Upper beam flash signal mechanism
- 38: Starter push-button switch
- 39: Starter 12 v
- 40: Fuel level indicator
- 41: Generator 12 v
- 42: Regulator
- 43: Battery 12 v
- 44: License plate and trunk compartment lighting, left
- 45: License plate and trunk compartment lighting, right
- 46: Tail, stop, and clearance light, left
- 47: Reversing light, left
- 48: Flash signal, left
- 49: Tail, stop, and clearance light, right
- 50: Free for reversing light on right-hand drive cars
- 51: Flash signal, right

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XI. Model 220 SE

The small numbers shown on the leads denote the numbers of the corresponding terminals.

1a Flash signal, left
1b Flash signal, right
2 Engine
3 Horn
4a Headlight, left
4b Headlight, right
4c Cable for lower beam
4d Cable for upper beam
4e Cable for parking light
5a Fog light, left
5b Fog light, right
6 Instrument cluster
7 Clock
8 Distributor
9 Ignition coil
10 Roof light
11 Socket
12 Series resistance
13 Heater blower motors, left (right optional)
14 Flash signal mechanism
15 Coupling
16 Instrument lighting switch (with dimmer resistance)
17 Roof light switch
18 Reading light with door contact
19 Cigar lighter
20 Heater blower motor switch
21 Reversing light switch
22 Stop light switch
23 Cable for hydraulic automatic clutch (optional)
24 Upper beam flash signal mechanism
25 Fuses
26 Foot dimmer switch
27 Windshield wiper
28 Windshield wiper switch
29 Rotary light switch with positions for clearance light and pull switch for fog lights
30 Steering lock
31 Charging light
32 Clearance light changeover switch
33 Relay, automatic starter aid
34 Starter push-button switch
35 Starter
36 Upper beam flash signal switch
37 Horn ring and flash signal switch
38 Fuel feed pump
39 Magnet for mixture enrichment
40 Fuel level indicator
41 Fuel level indicator
42 Regulator
43 Generator
44 Battery
45 Tail, stop, clearance light, left
46 Reversing light
47 Flash signal, left
48 License plate lighting
49 Tail, stop, clearance light, right
50 Free for reversing light on right-hand drive cars
51 Flash signal, right

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