

# DELCO

Circuit Diagrams



OF THE

1919 and 1920 AUTOMOBILE  
SYSTEMS

THE

Dayton Engineering Laboratories Co.

DAYTON, OHIO

The circuit diagrams in this section of the Delco Service Manual cover the 1919 and 1920 apparatus. Some motor car manufacturers do not make it a practice to bring out a model each season, and in some instances the car model may not be known as a 1919 or 1920 model.

Where two or more Delco numbers appear for the same part it indicates that a change has taken place during the production season and the different parts are interchangeable. In making any replacements the latest model will always be furnished.

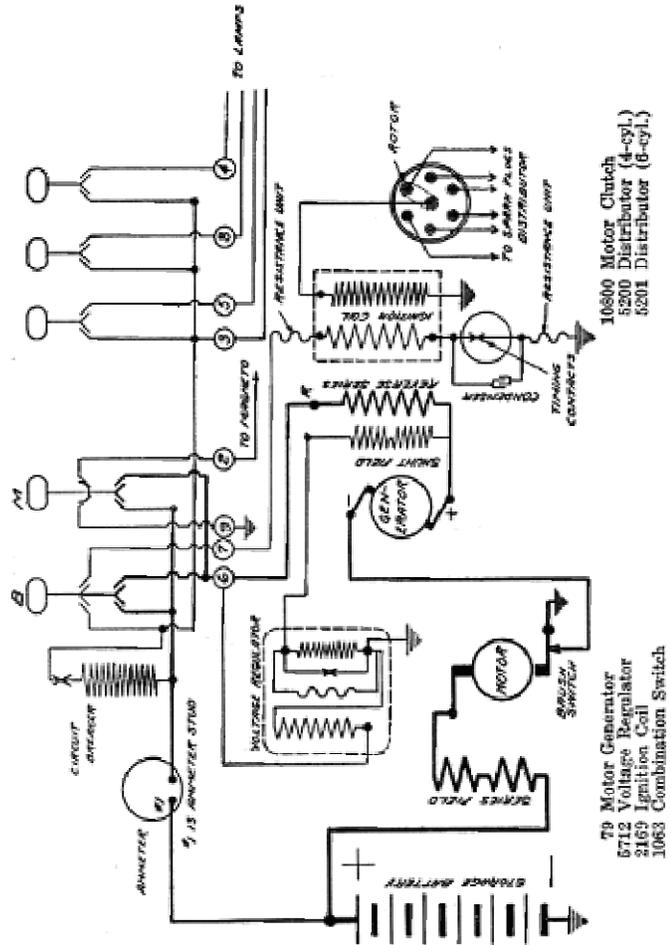
## INDEX

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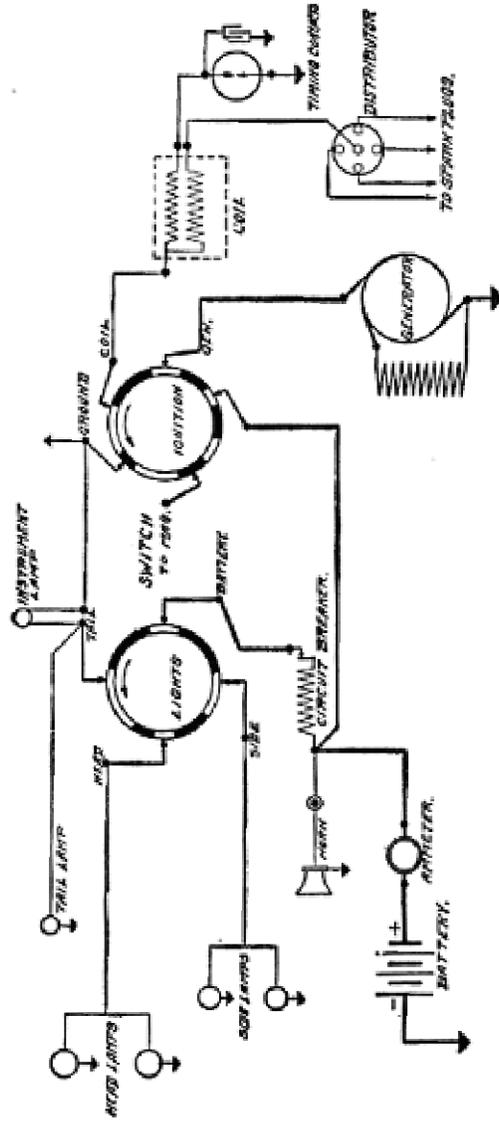
Ahrens-Fox Fire Engine Company	5
Atterbury Motor Car Company	6
U. S. A. Class B. Military Truck	6
Buick Motor Company	7-8
Cadillac Motor Car Company	9-10
J. I. Case Threshing Machine Company	11
Cole Motor Car Company	12-13
Comet Automobile Company	14
James Cunningham, Son Company	15
Geo. W. Davis Motor Car Company	16-17
Daniels Motor Company	18
Essex Motor	19-20
Elkhart Carriage & Motor Car Company	21
General Motors Truck Company	22
Hall-Scott Motor Car Company	23
Hanson Motor Company	24
Hudson Motor Car Company	25-26
Jordan Motor Car Company	27-28-29
Kankakee Automobile Company	30
U. S. A. Liberty Ignition	31-32
Meteor Motor Car Company	33-34
Michigan Hearse & Motor Company	35-36
Moon Motor Car Company	37-38
Nash Motors Company	39
National Motor Car & Vehicle Corporation	40-41
Nordyke & Marmon Company	42
Norwalk Motor Car Company	43
Olds Motor Works	44-45-46
Packard Motor Car Company	47
W. A. Paterson Company	48-49-50

Pierce-Arrow Motor Car Company	51
Pilot Motor Car Company	52-52
Premier Motor Corporation	54-55
Riddle Manufacturing Company	56
Sayers & Scovill Company	57-58-59-60-61-62-63
Seagrave Company	64
Stephens Motor Branch of Moline Plow Company	65
Stutz Motor Car Company of America	66
Texas Motor Car Association	67
Towmotor Company	68
Van Blerck Motor Company	69
Westcott Motor Car Company	70-71-72-73-74

**AHRENS-FOX FIRE ENGINE CO.—1919-1920**  
**Models K-1 to K-10, K-11 up, M, L-1 to L-10, L-11 up.**

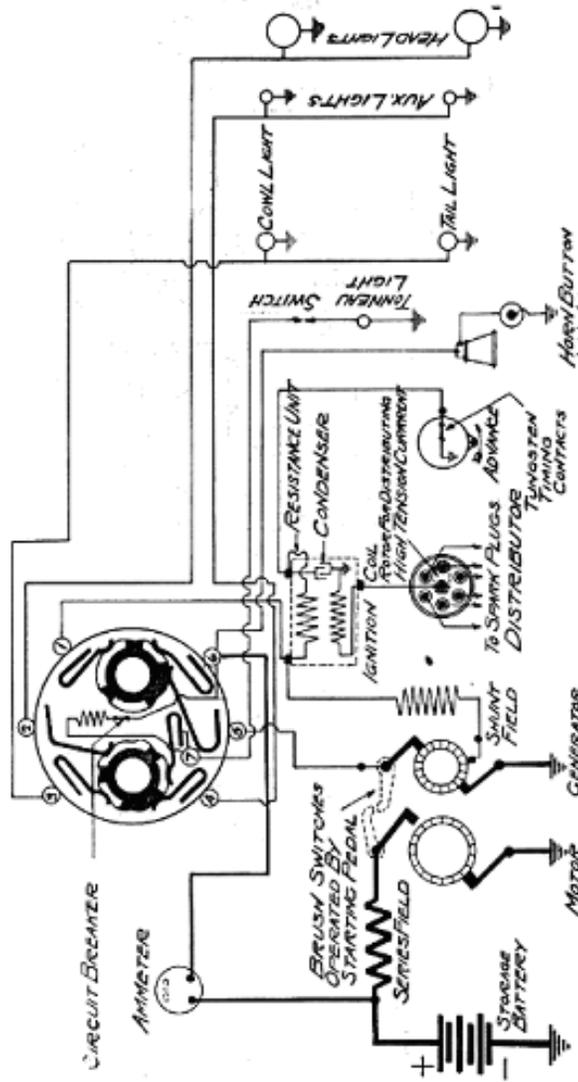


**ATTERBURY MOTOR CAR CO.**  
**U. S. A. Class B. Military Truck. 1920-Truck**



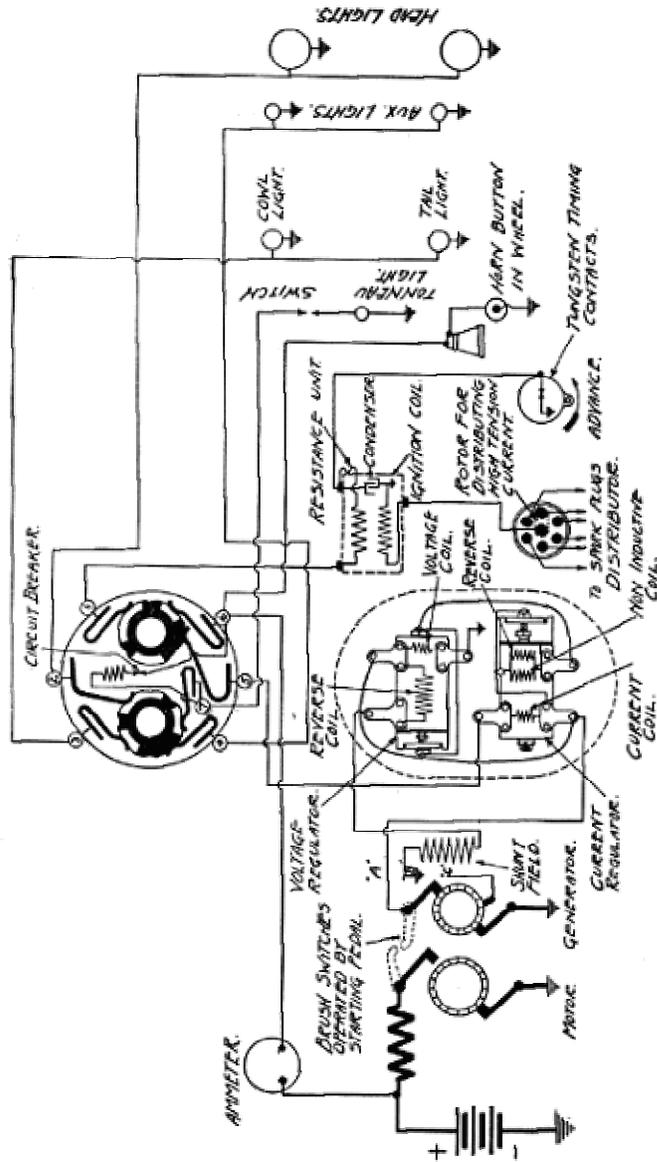
The above diagram may be applied to the U. S. A. Class B. Military Truck installation, which uses the No. 139 generator only. The Atterbury true fuses the No. 139 generator and No. 1126 combination switch.

BUICK MOTOR COMPANY—1919-1920  
 Models H-44, 45, 46, 47, 49, 50. K-44, 45, 46, 47, 49, 50



117 Motor Generator  
 12224 Motor Clutch  
 2157 Ignition Coil  
 1133-1138 Combination Switch  
 Horn Button in Wheel.

**BUICK MOTOR COMPANY—Export—1920**  
**Models KX-44, 45, 49.**

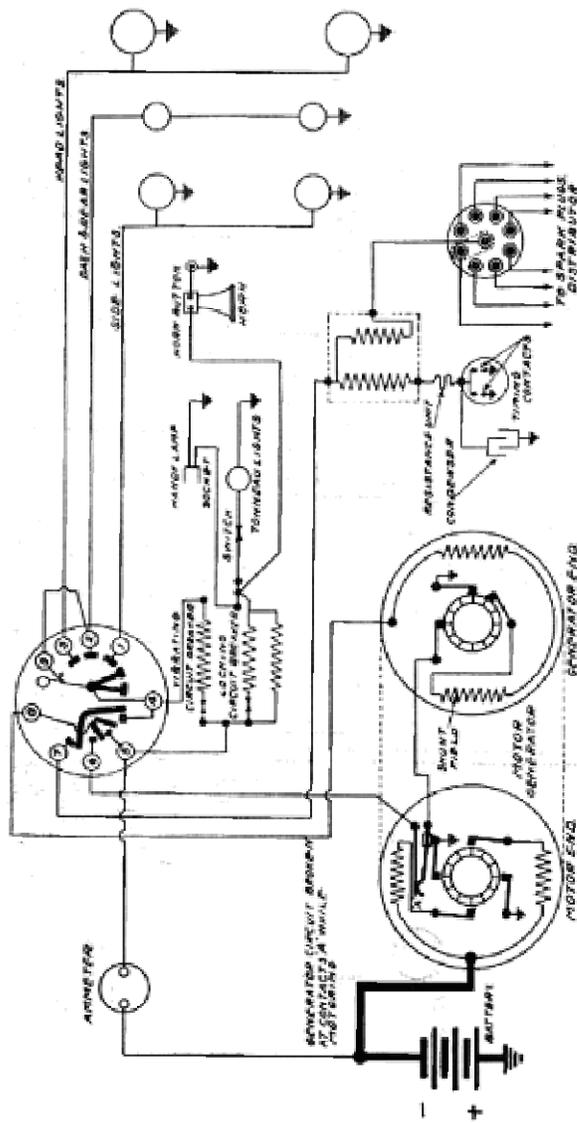


128 Motor Generator  
 12224 Motor Clutch

2157 Ignition Coil  
 1158 Combination Switch



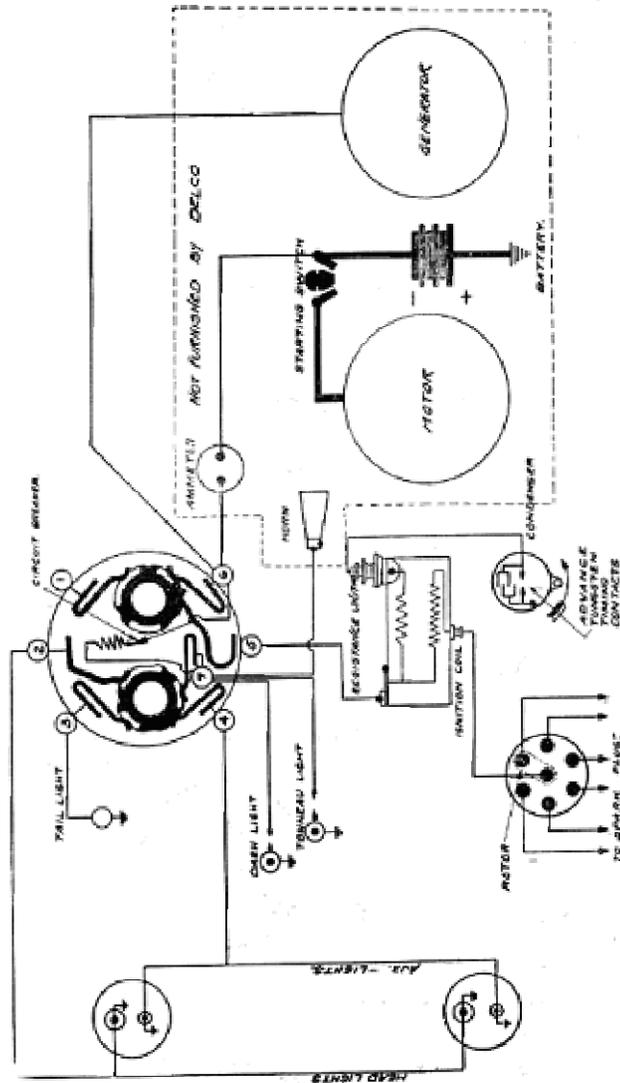
CADILLAC MOTOR CAR COMPANY—1920  
Model 59



162 Motor Generator  
12877 Motor Clutch  
5306 Distributor

2115 Ignition Coil  
1150 Combination Switch  
5742 Circuit Breaker

J. I. CASE THRESHING MCH. CO.—1920 MODEL  
 Serial 36961 and up. Serial 34860-36860



1152-1171 Combination Switch

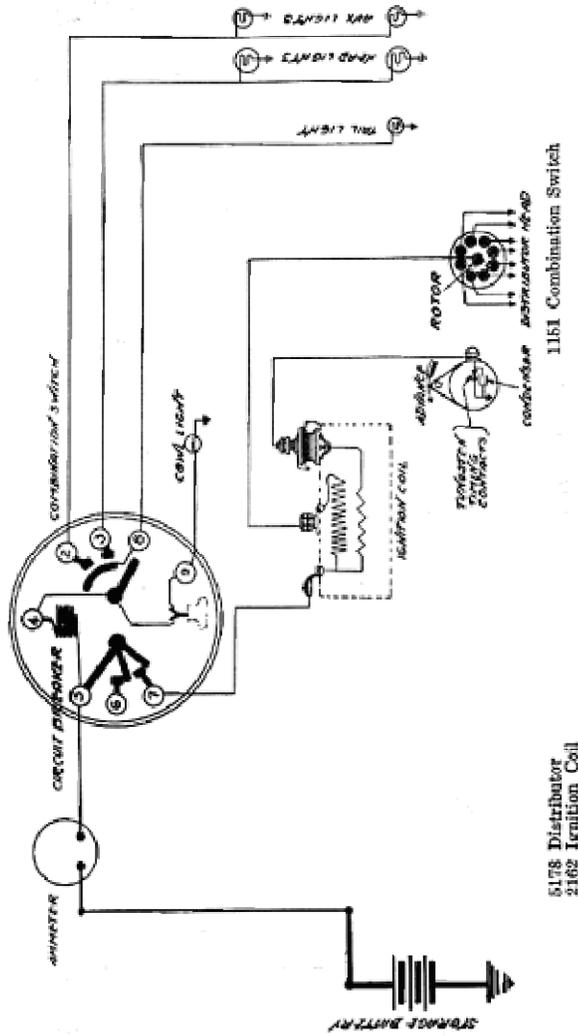
5175 Distributor  
 2189 Ignition Coil



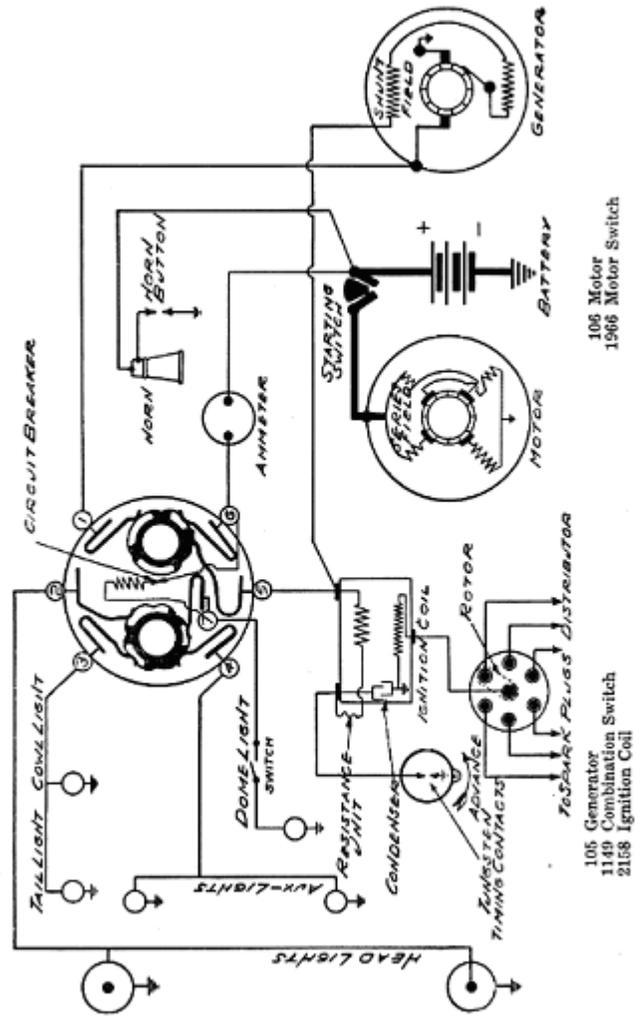




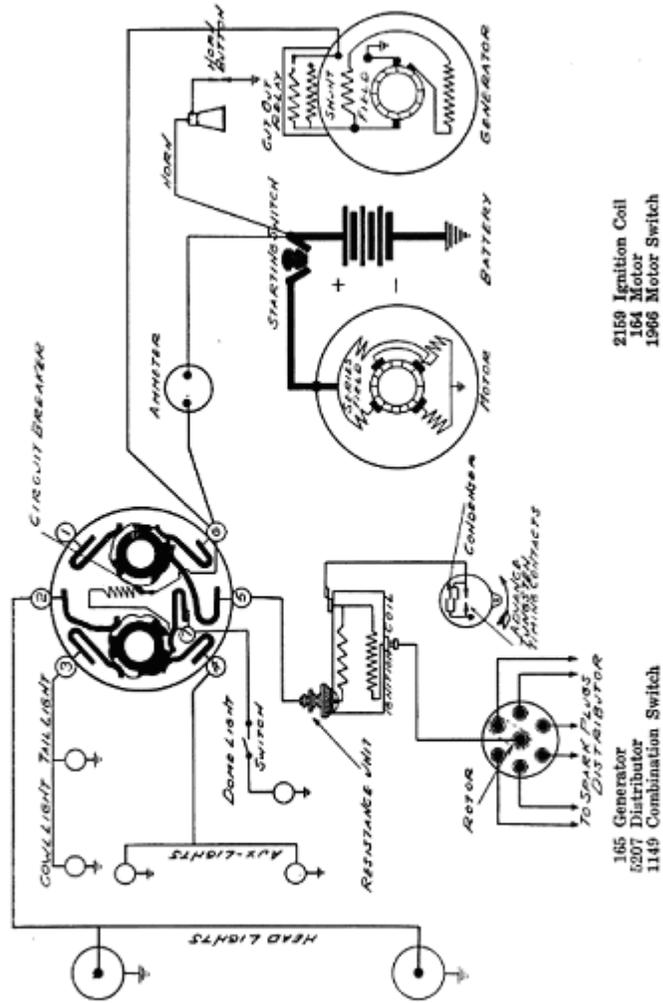
JAMES CUNNINGHAM, SON CO.—1919  
Model V-3



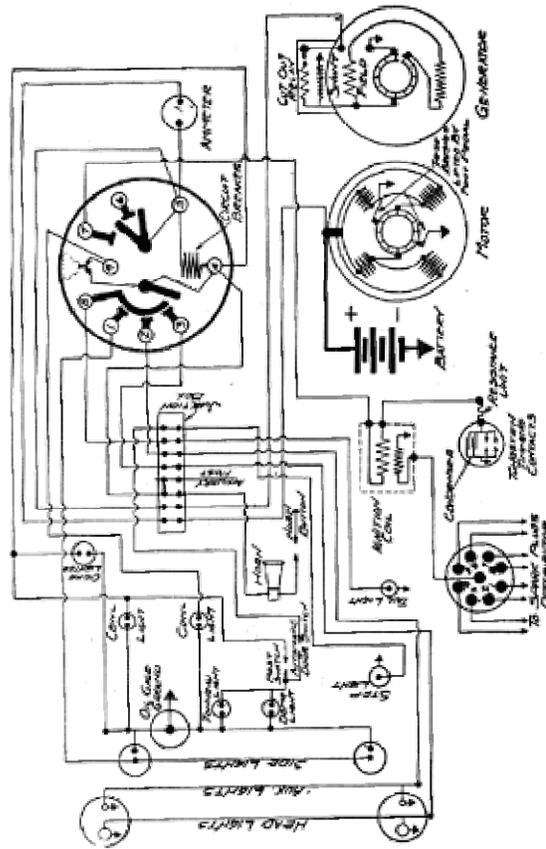
GEO. W. DAVIS MOTOR CAR CO.—1918  
 Models 6-H, 6-I, 6-J, 6-K



**GEO. W. DAVIS MOTOR CAR COMPANY—1920 Model**  
**Using 7-N Continental Engine**



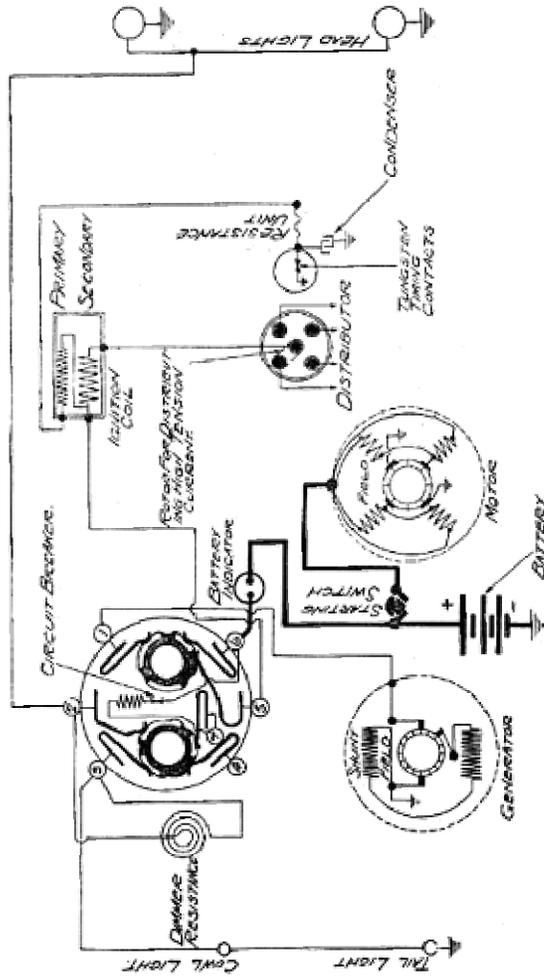
DANIELS MOTOR COMPANY—1920  
Model D-19



1161 Combination Switch  
170 Motor

109 Generator  
6212 Distributor  
2127 Ignition Coil

ESSEX MOTORS—1919 Model A.

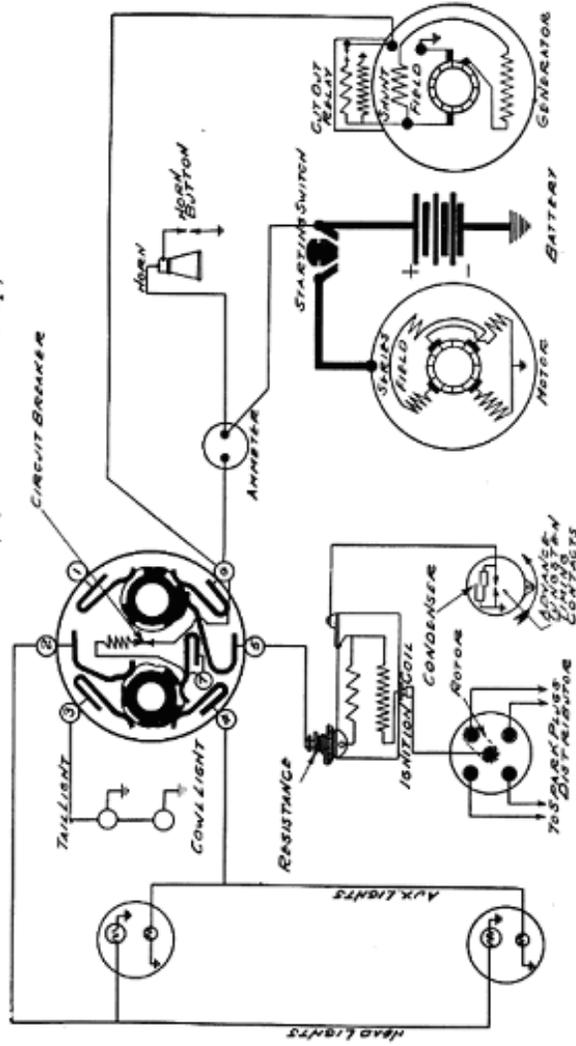


- 183-186 Generator
- 5190-5205 Distributor
- 2127 Ignition Coil
- 1150 Combination Switch

- 130-161 Motor
- 1965 Motor Switch
- 1600 Motor Starting Pedal
- 6069 Current Indicator



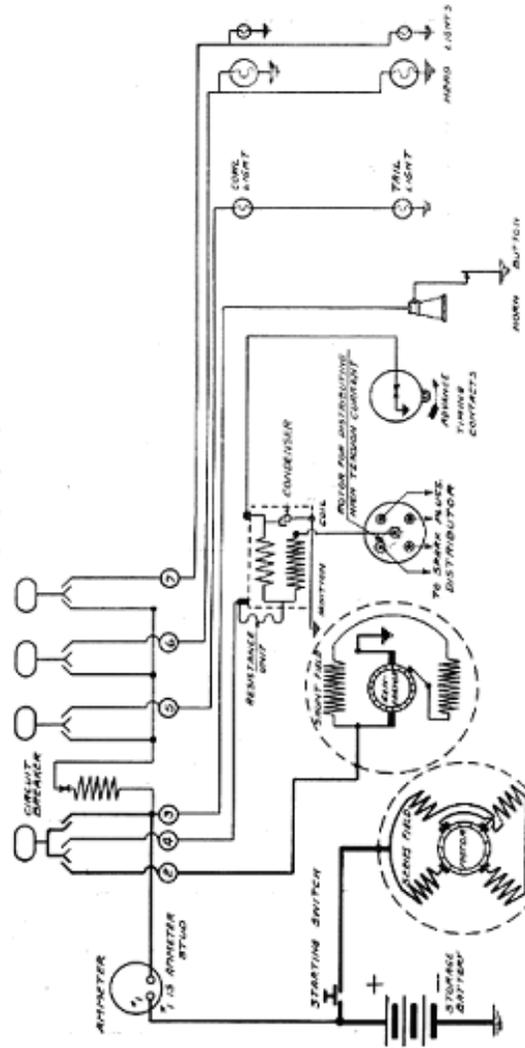
ELKHART CARRIAGE & MOTOR CAR CO.—1920  
 Models G. H. K. D.  
 (Serial 15000-25000) (Serial 25000 and up)



165-176 Generator  
 5207-3214 Distributor  
 1166 Combination Switch

2159 Ignition Coil  
 164-177 Motor  
 1984 Motor Switch

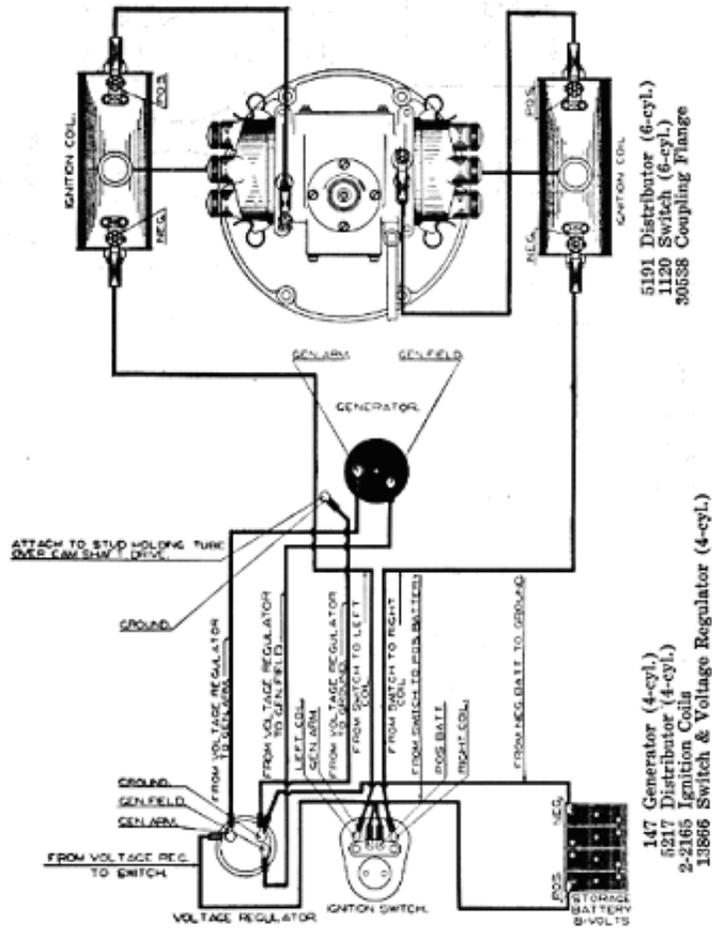
GENERAL MOTORS TRUCK COMPANY—1919-1920  
Models 16, 25, 26, 30, 31.



97 Motor  
1965 Motor Switch

168 Generator  
2134 Ignition Coil  
1104 Combination Switch

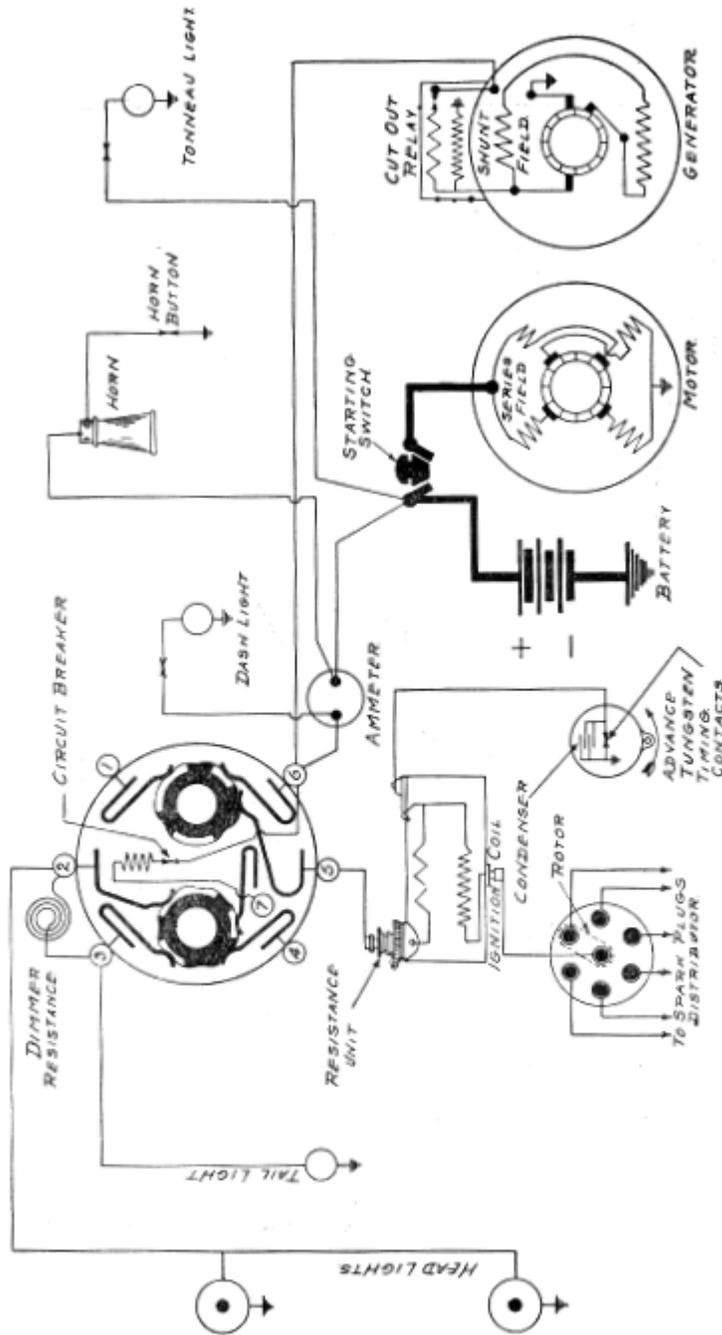
HALL-SCOTT MOTOR CAR COMPANY—1919-1920 Models  
Aviation



5191 Distributor (6-cyl.)  
1120 Switch (6-cyl.)  
30538 Coupling Flange

147 Generator (4-cyl.)  
5317 Distributor (4-cyl.)  
2-2165 Ignition Coils  
13886 Switch & Voltage Regulator (4-cyl.)

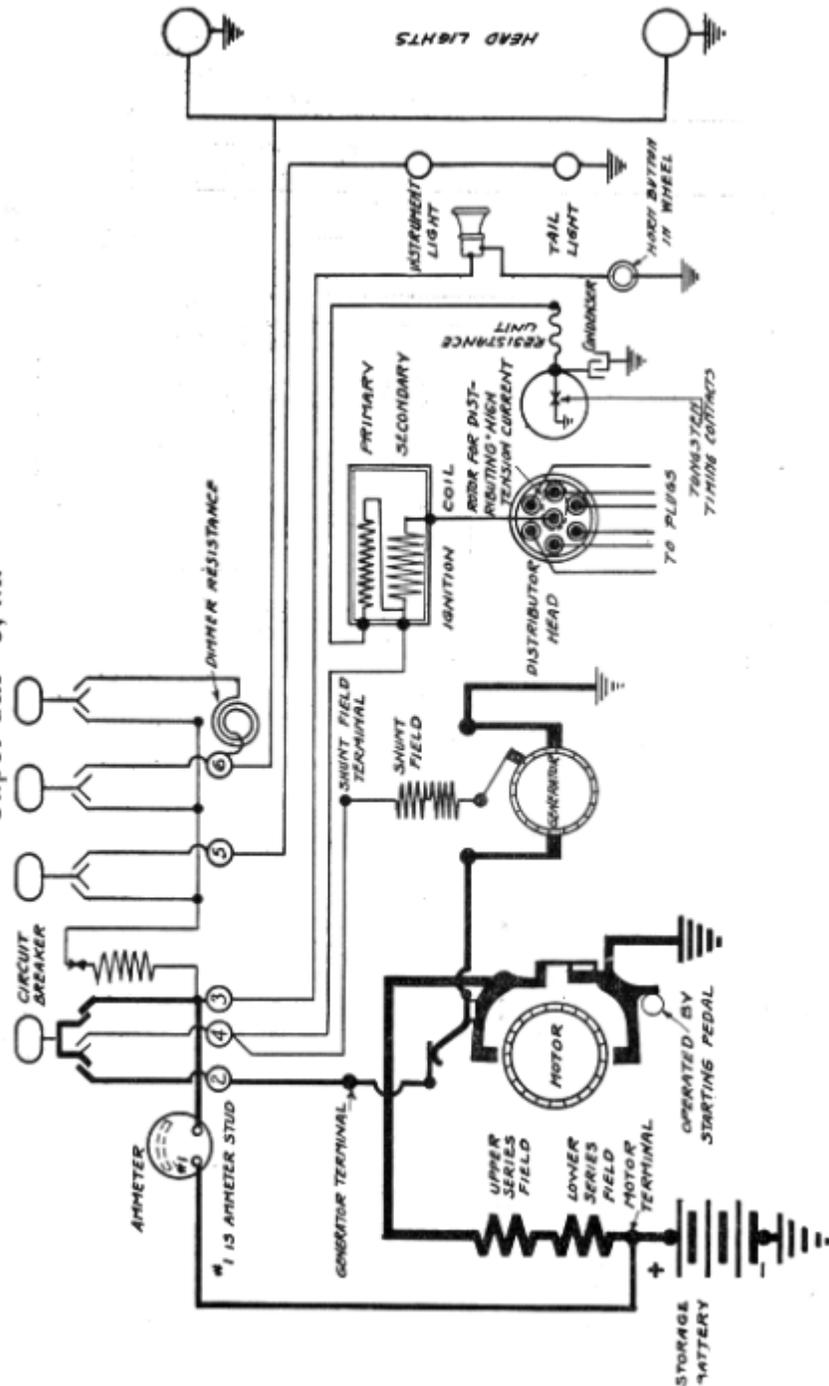
HANSON MOTOR CO.—1920 Model  
Model 54



2159 Ignition Coil  
164 Motor  
1965 Motor Switch

165 Generator  
5207 Distributor  
1174 Combination Switch

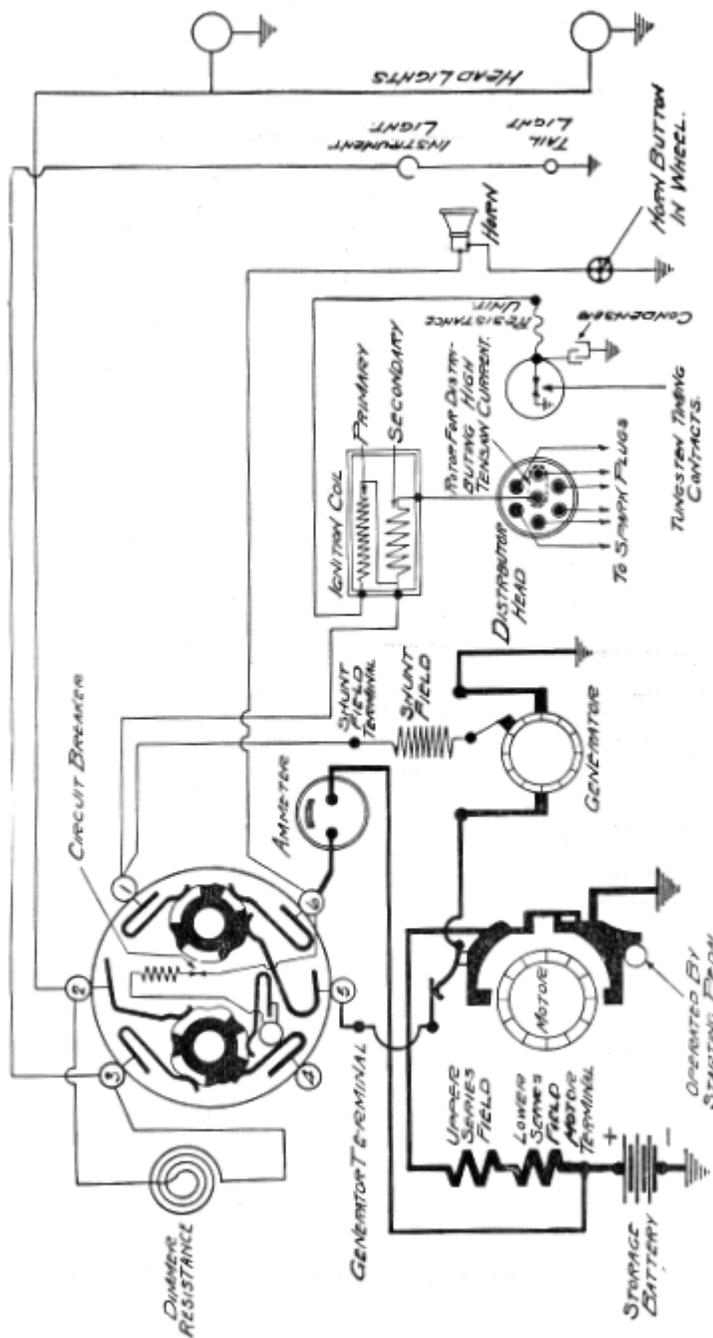
HUDSON MOTOR CAR CO.—1919 Model  
Super-Six—J, M.



2127 Ignition Coil  
1106 Combination Switch

140 Motor Generator  
12207 Motor Clutch  
5134-5147 Distributor

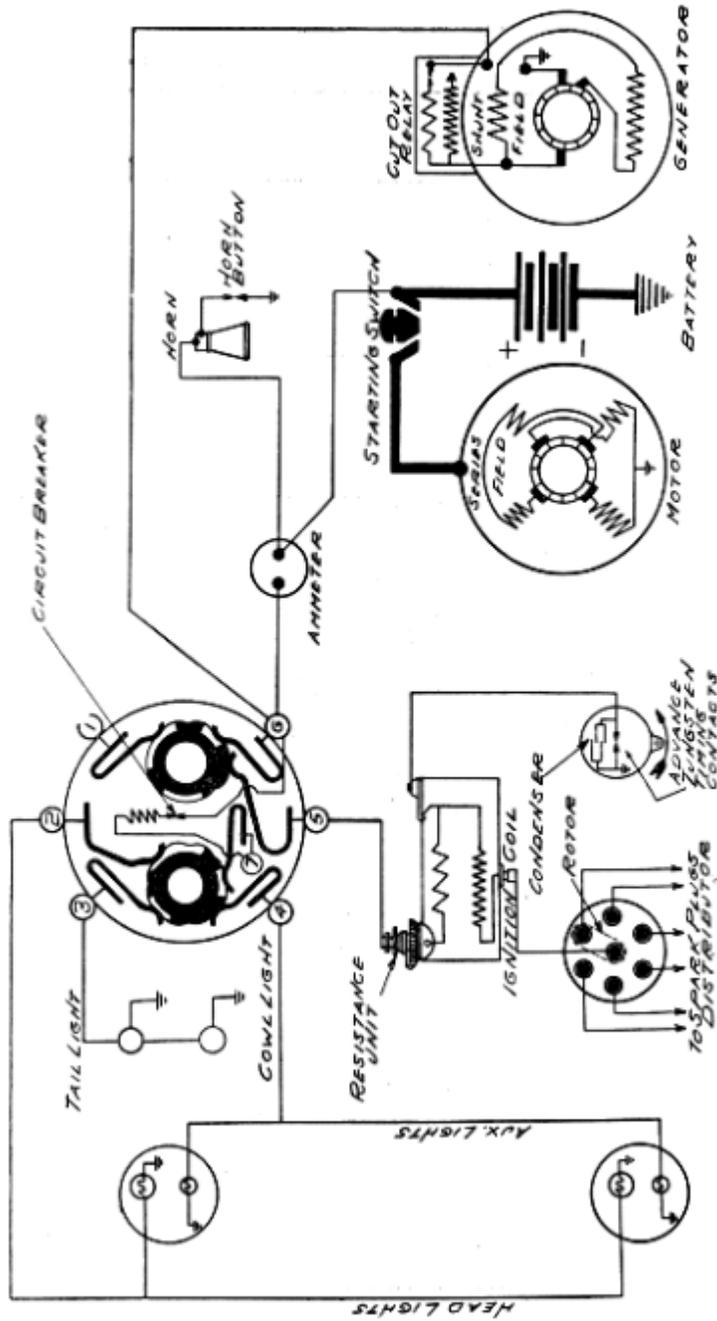
HUDSON MOTOR CAR CO.—1919-1920 Model  
Super-Six—0.



- 140 Motor Generator
- 12207 Motor Clutch
- 5203 Distributor
- 2170 Ignition Coil
- 1130 Combination Switch

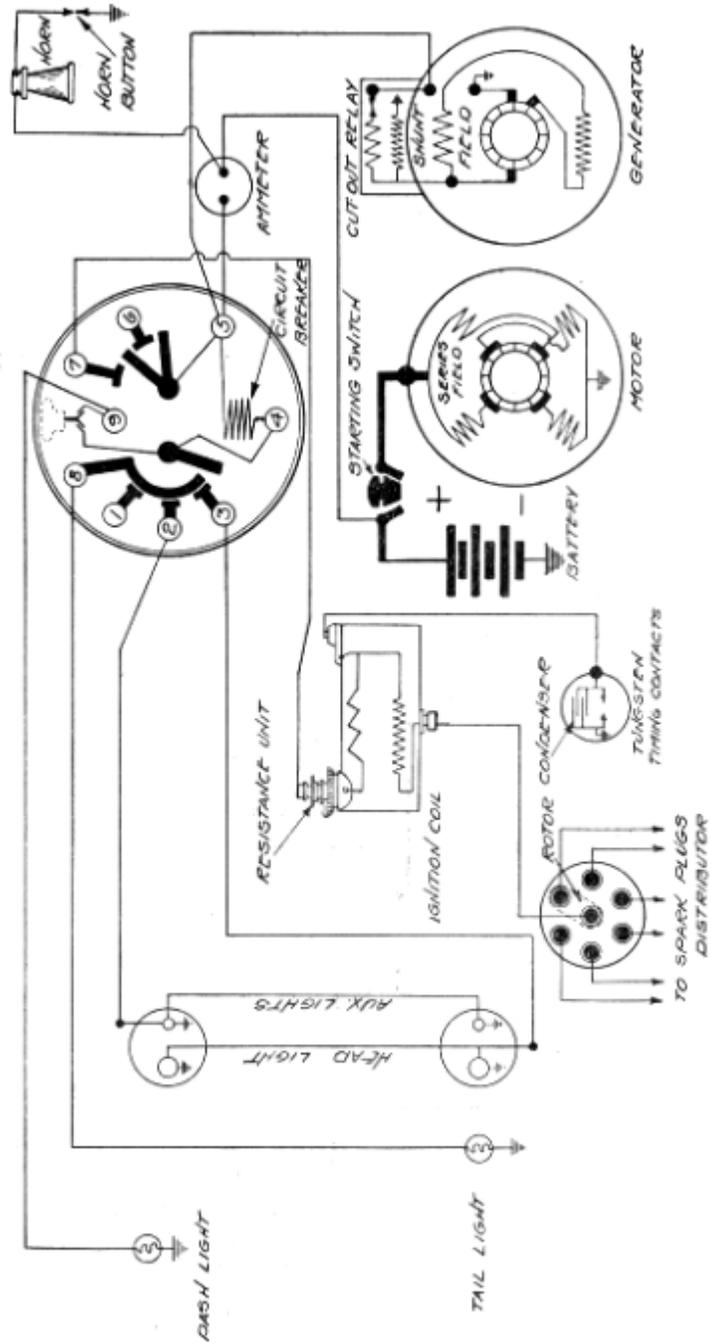


JORDAN MOTOR CAR CO.—1921  
Model M.



- 5207 Distributor
- 1160 Combination Switch
- 2159 Ignition Coil
- 165 Generator
- 164 Motor
- 1958 Motor Switch

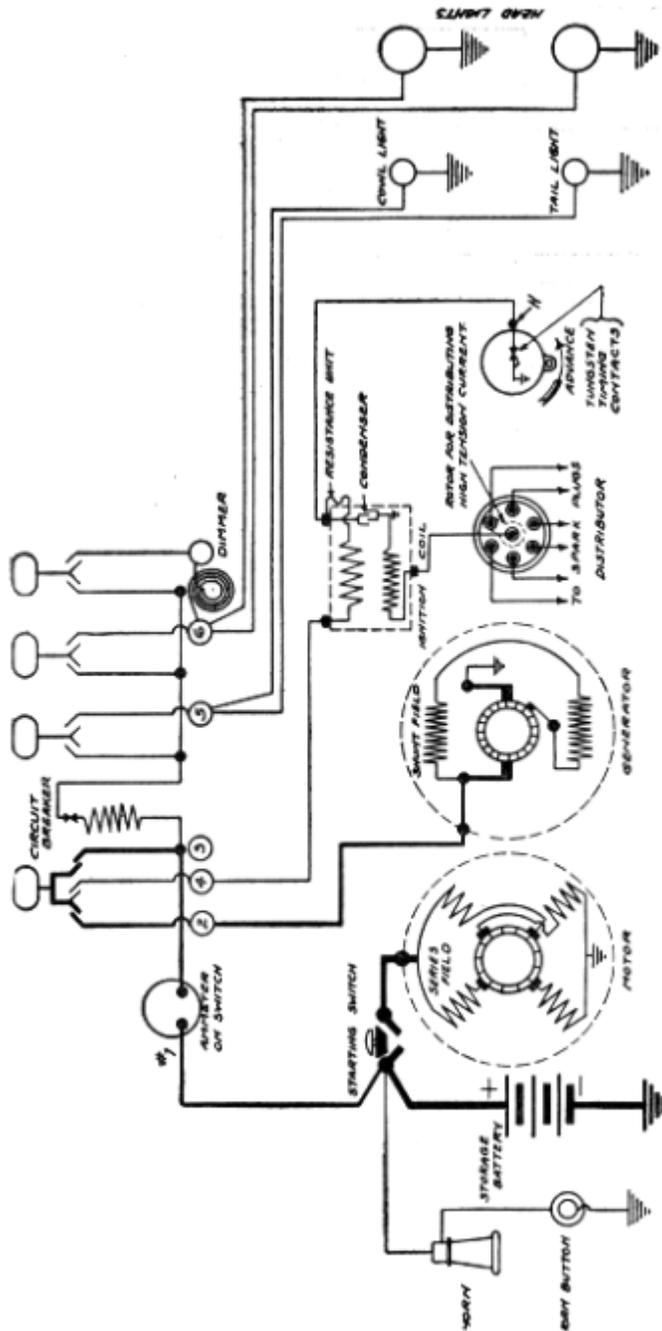
JORDAN MOTOR CAR CO.—1920  
Model F. Series 2.



1167 Combination Switch  
179 Motor

180 Generator  
5215 Distributor  
2159 Ignition Coil

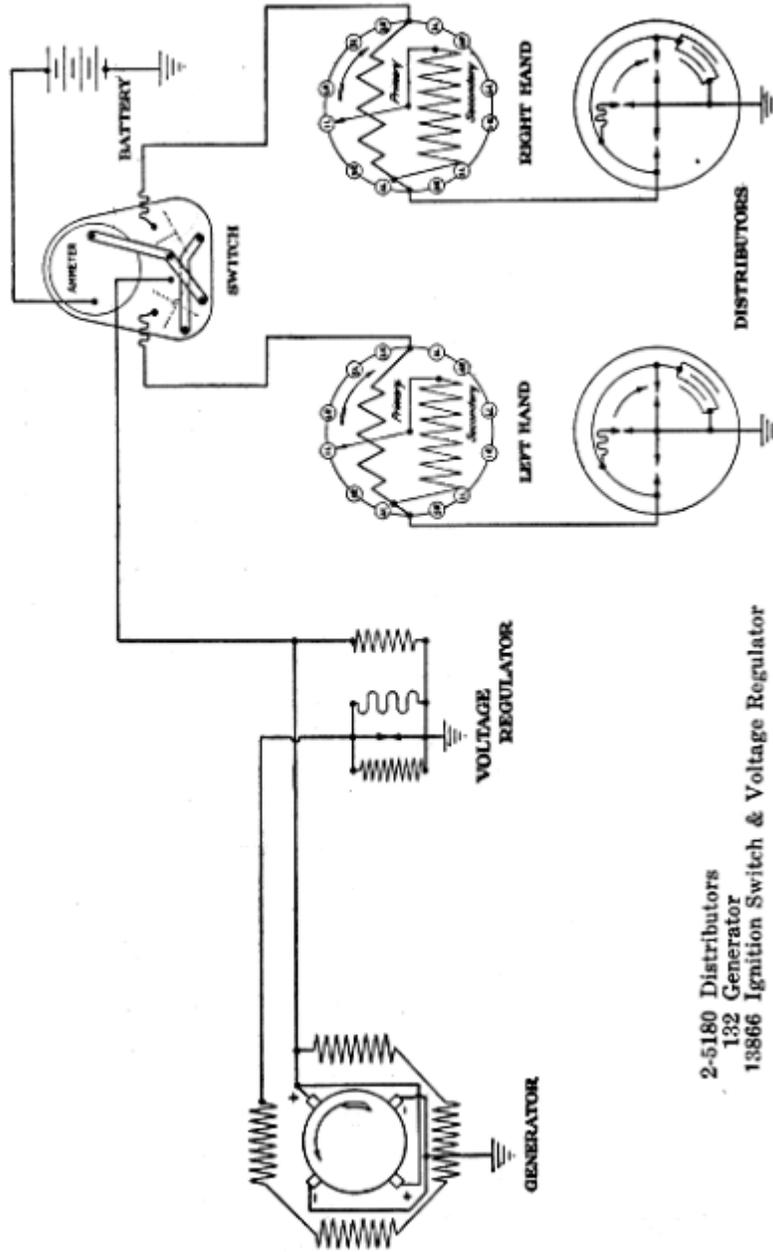
KANKAKEE AUTOMOBILE CO.—1919 Model  
Using 7-N Continental Engine



2158 Ignition Coil  
1964 Motor Switch

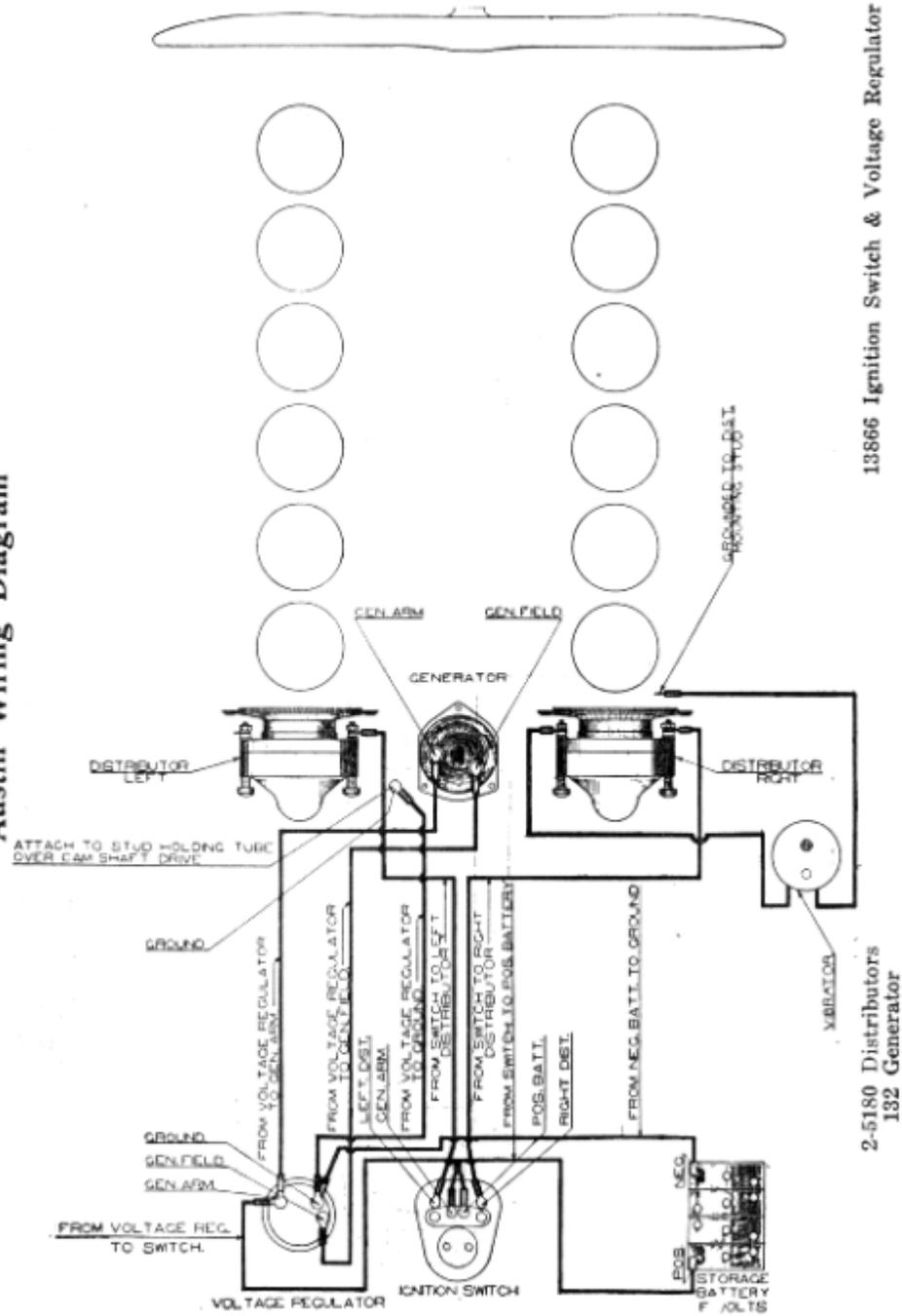
101 Generator  
102 Motor  
1105 Combination Switch

# U. S. A. LIBERTY IGNITION Aviation Circuit Diagram



- 2-5180 Distributors
- 132 Generator
- 13866 Ignition Switch & Voltage Regulator

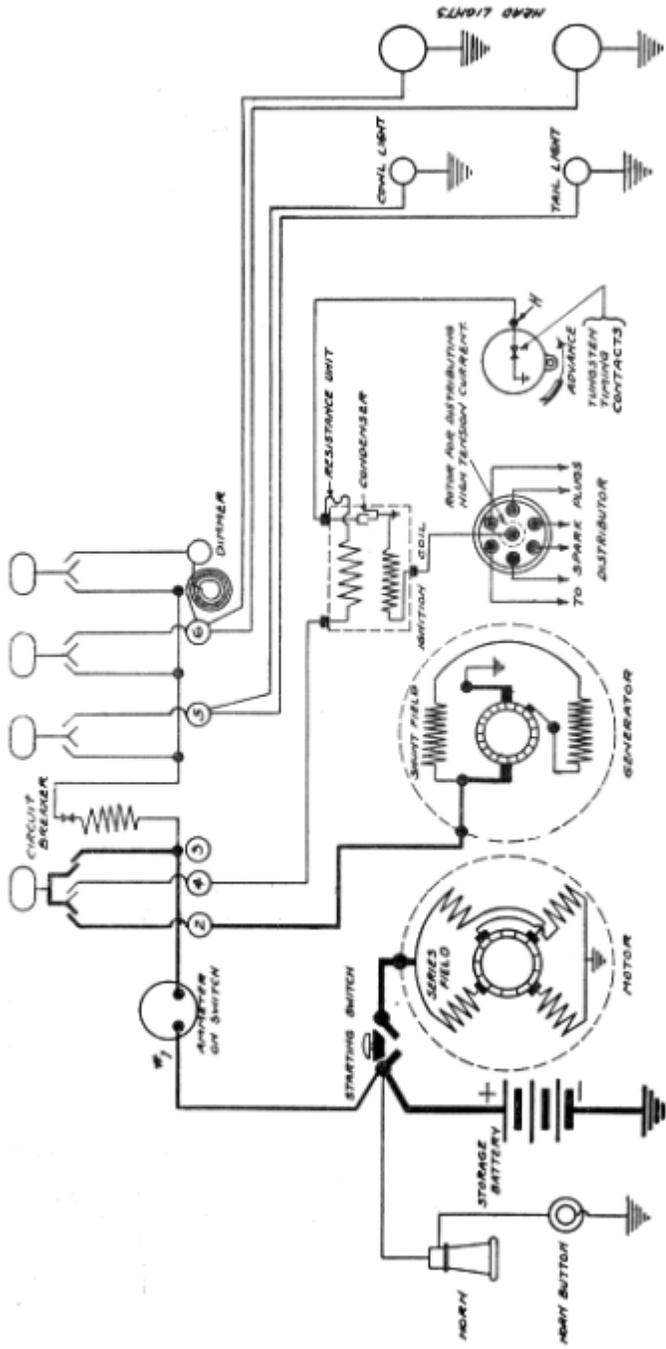
U. S. A. LIBERTY IGNITION—1919-1920 Models  
Austin Wiring Diagram



13866 Ignition Switch & Voltage Regulator

2-5180 Distributors  
132 Generator

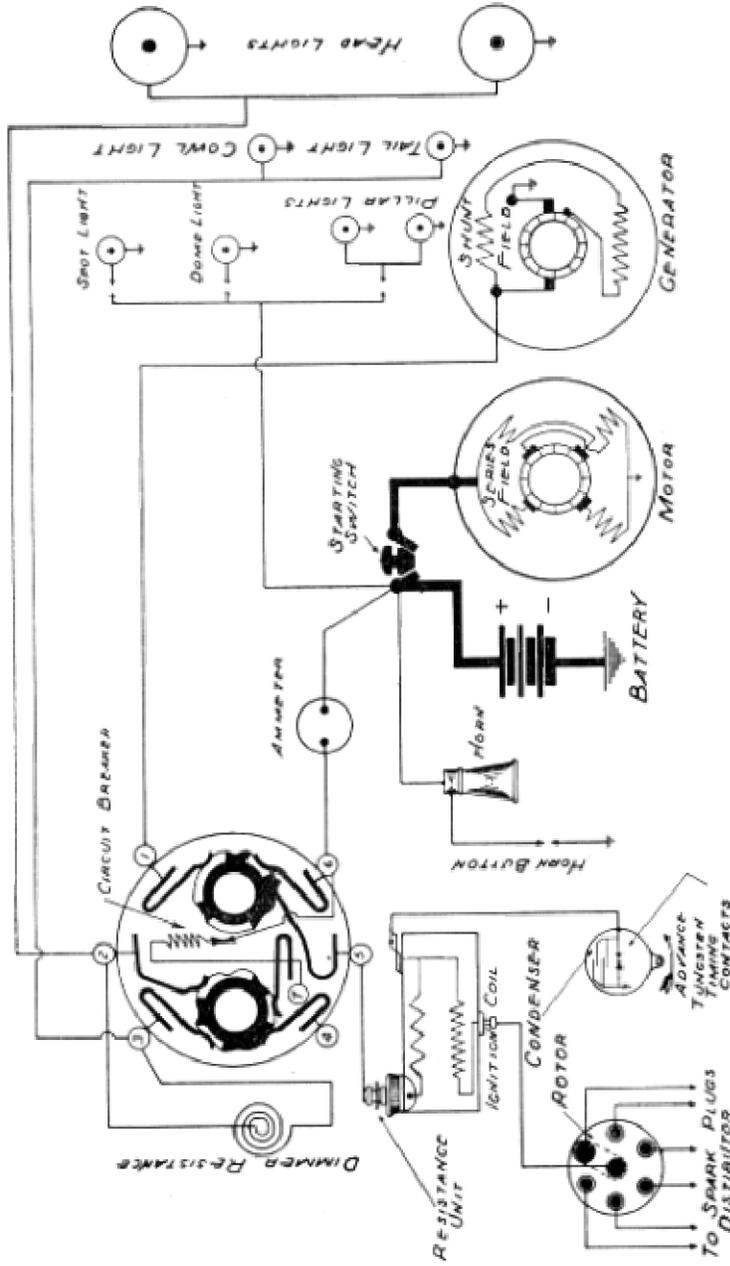
METEOR MOTOR CAR CO.—1919 Model  
Using 7-N Continental Engine



102 Motor  
1964 Motor

101 Generator  
1105-1106 Combination Switch  
2168 Ignition Coil

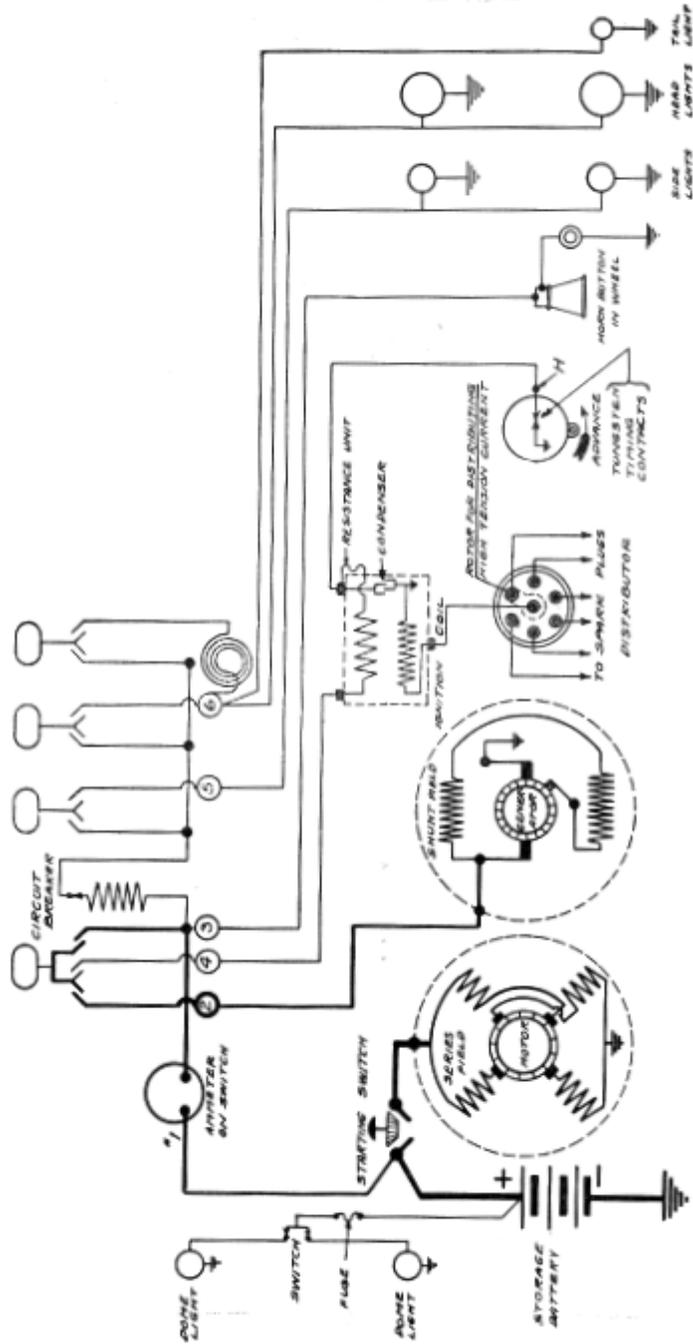
**METEOR MOTOR CAR CO.—1920 Model  
Using 9-N Continental Engine**



1147 Combination Switch  
136 Motor  
1965 Motor Switch

135 Generator  
5175 Distributor  
2159 Ignition Coil

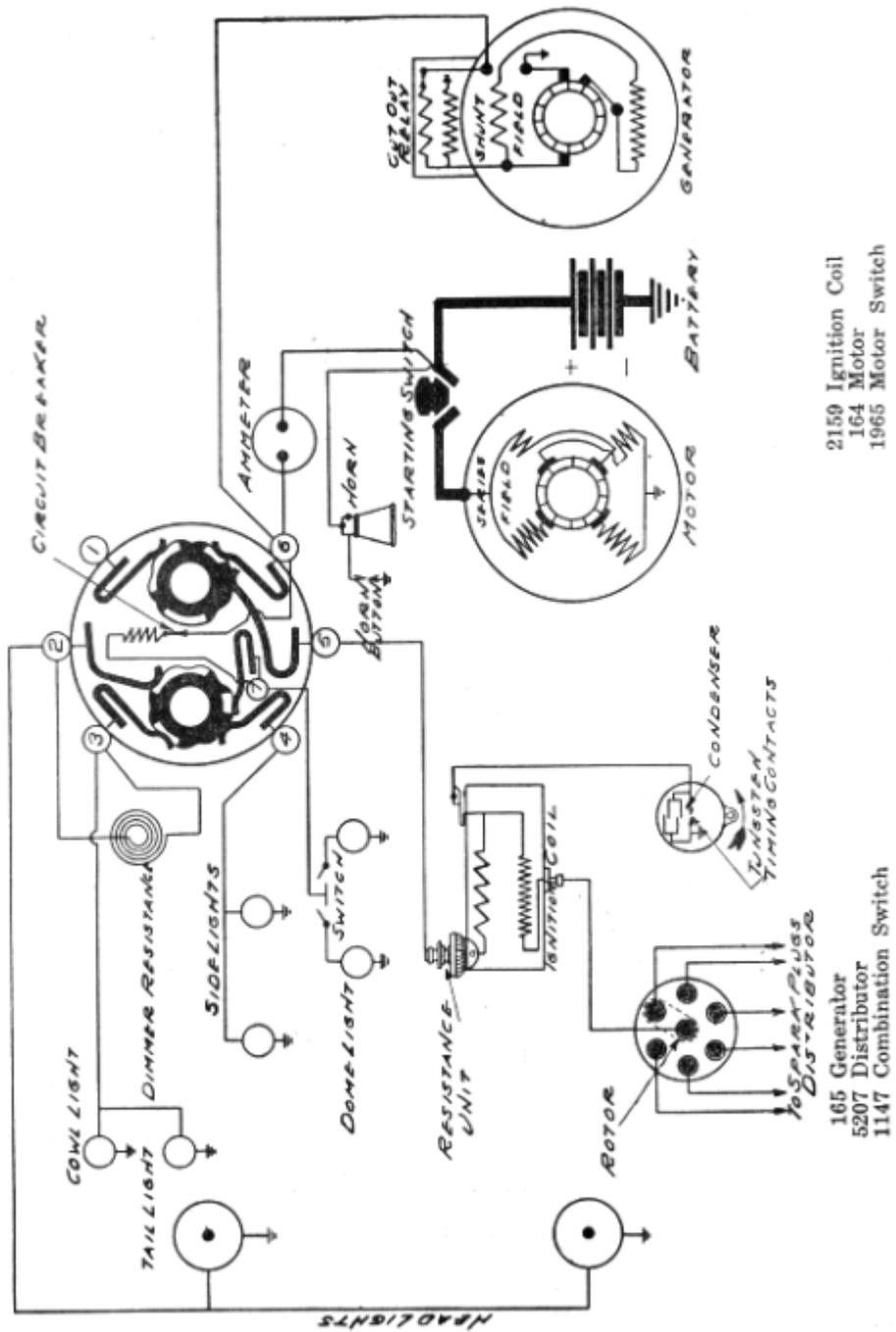
MICHIGAN HEARSE & MOTOR CO.—1919 Model  
Using 7-W Continental Engine



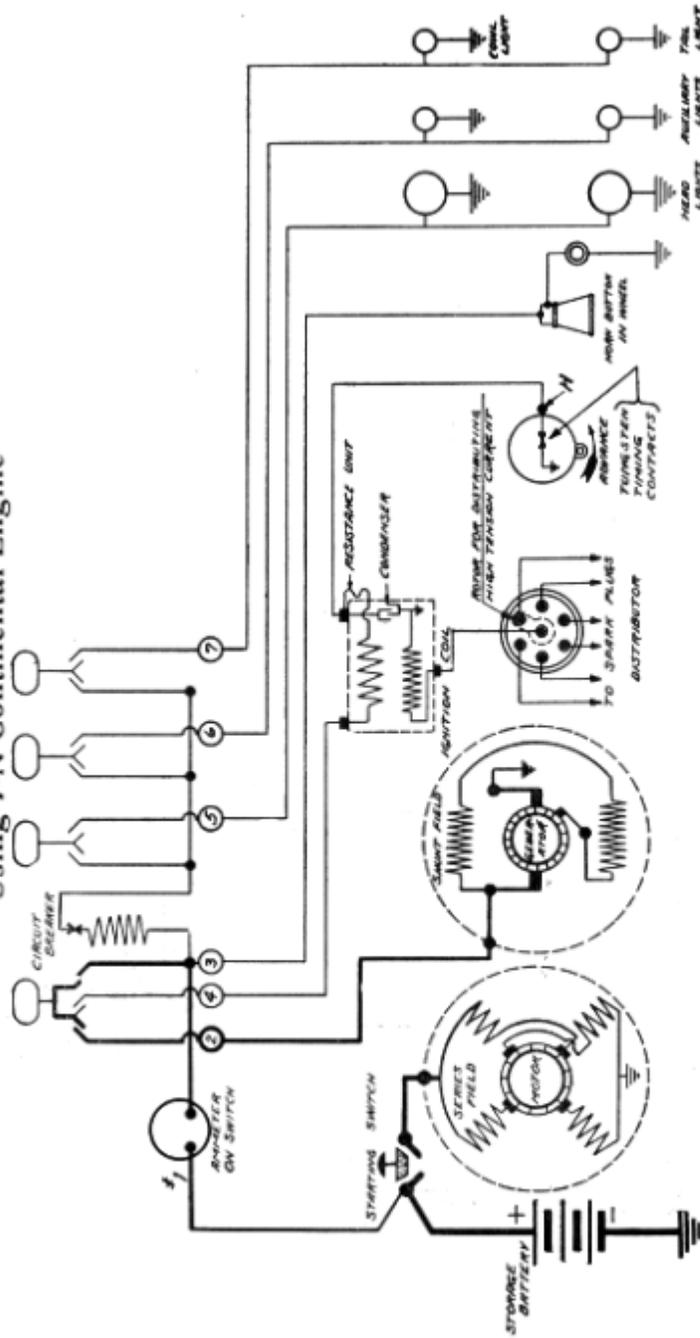
105 Generator  
1143 Combination Switch  
2158 Ignition Coil

106 Motor  
1964 Motor Switch

MICHIGAN HEARSE & MOTOR CO.—1920 Model  
Using 7-R Continental Engine



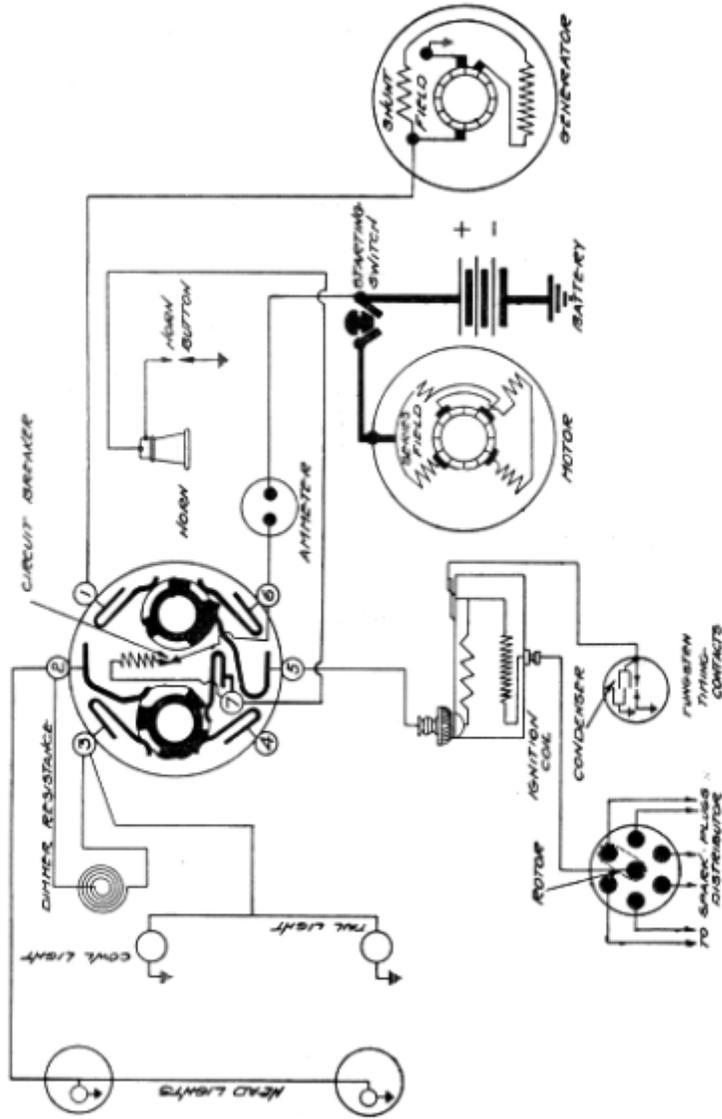
MOON MOTOR CAR CO.—1919 Model 6-66  
Using 7-N Continental Engine



102 Motor  
1964 Motor Switch

101 Generator  
2158 Ignition Coil  
1113-1106 Combination Switch

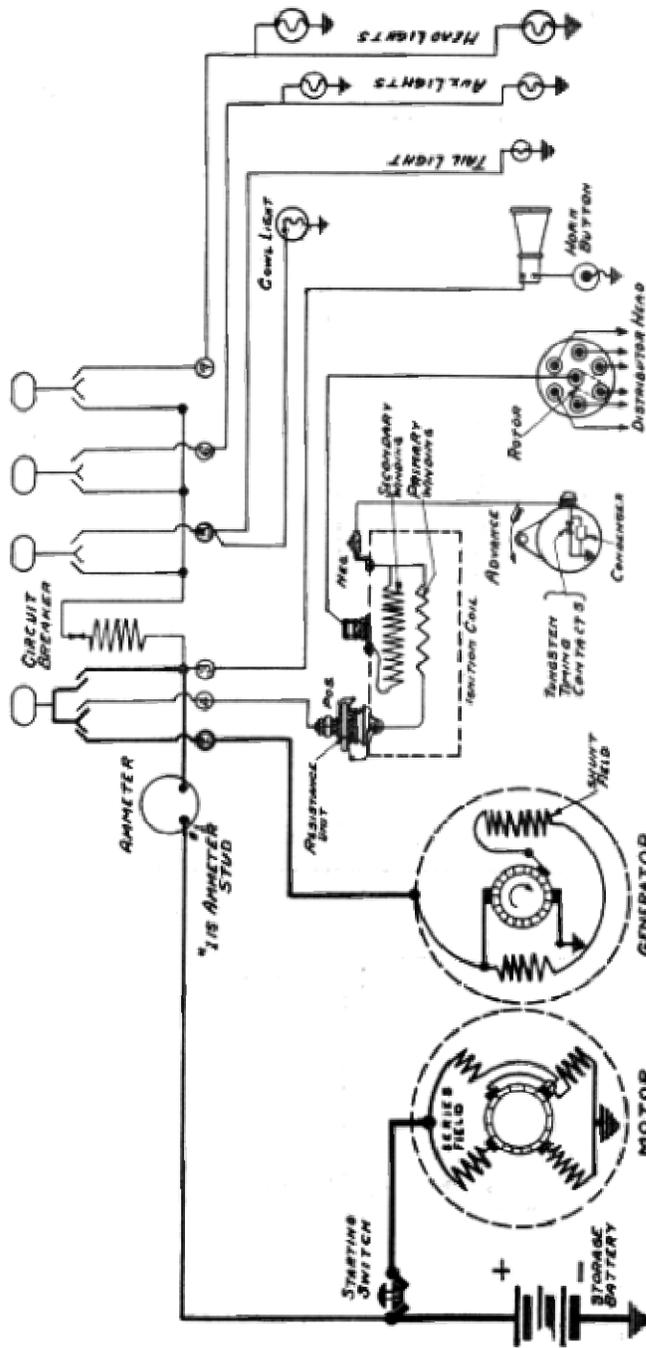
MOON MOTOR CAR CO.—1920 Model  
Using 9-N Continental Engine



2159 Ignition Coil  
136 Motor  
1964 Motor Switch

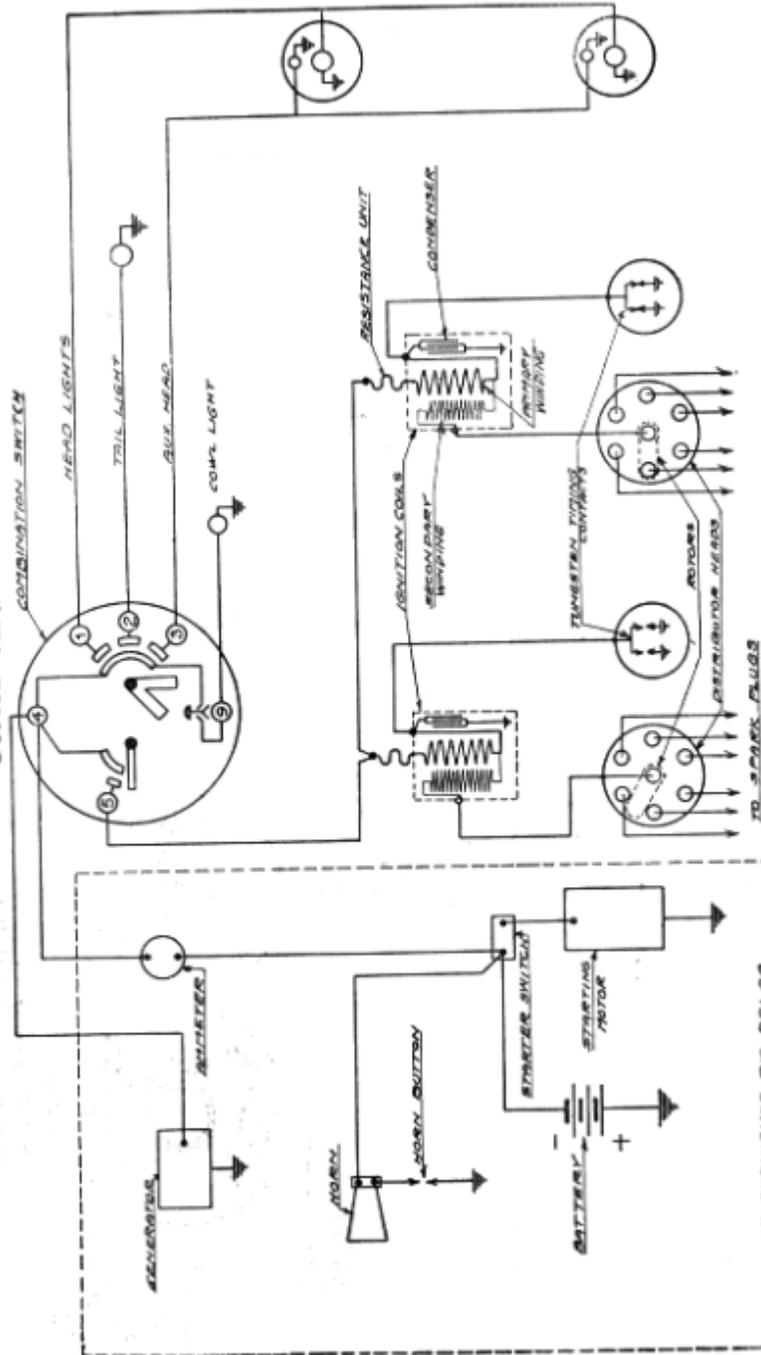
135 Generator  
5175 Distributor  
1147 Combination Switch

NASH MOTORS COMPANY—1918-1919  
Model 681, 682



- 125 Generator
- 1118 Combination Switch
- 6169 Distributor
- 2168 Ignition Coil
- 126 Motor
- 1966 Motor Switch

NATIONAL MOTOR CAR & VEHICLE CORP.—1919 Model  
Series AK.

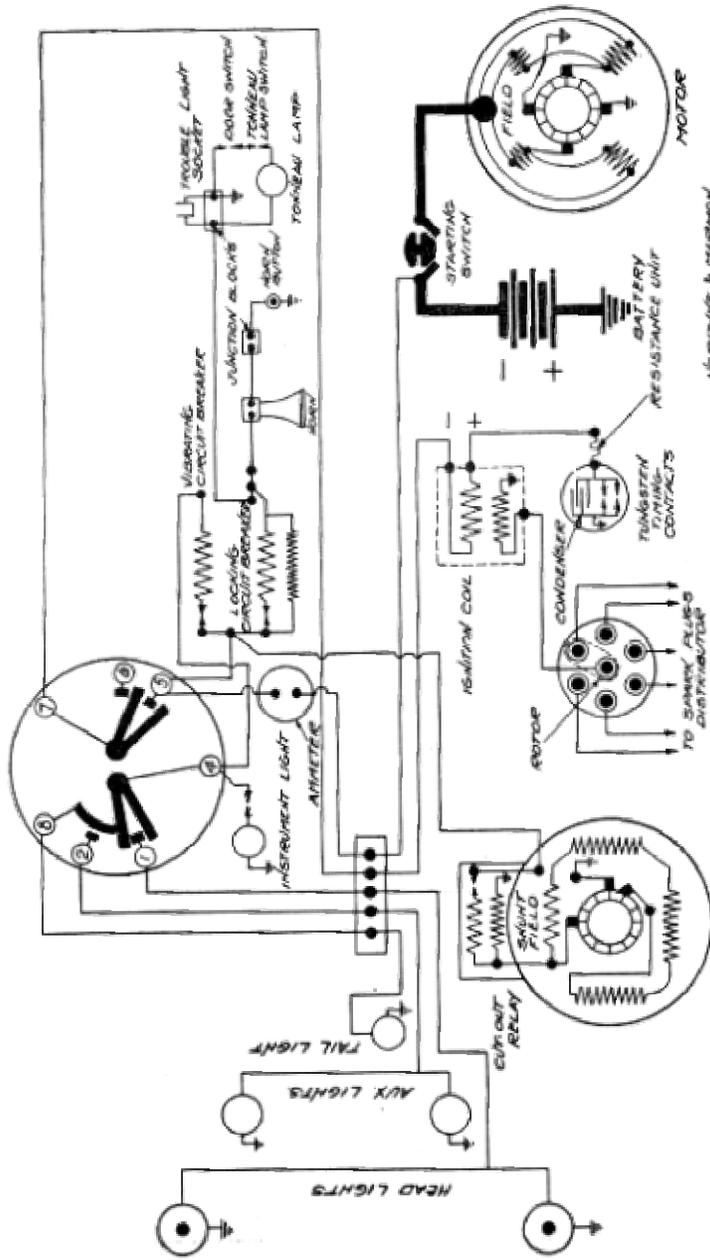


1088 Combination Switch

5162 Distributor (Includes 2-2152 coils)



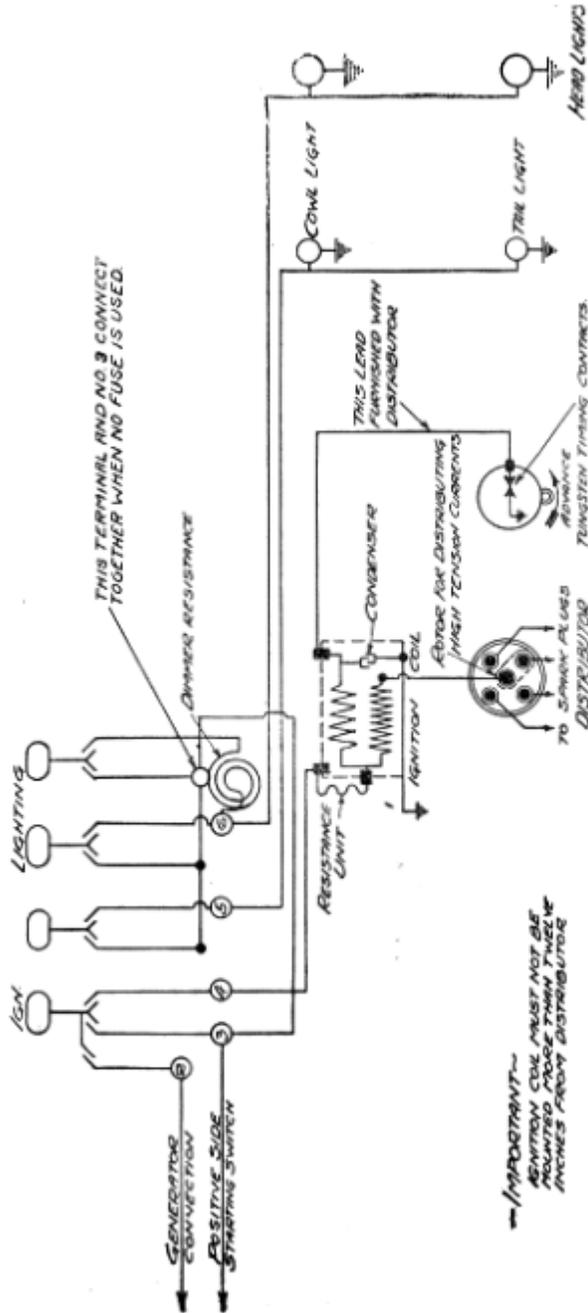
NORDYKE & MARMON CO.—1920  
MODEL 34-B.



5742 Circuit Breaker  
172 Motor  
1957 Motor Switch

168 Generator  
2135 Ignition Coil  
1163 Combination Switch

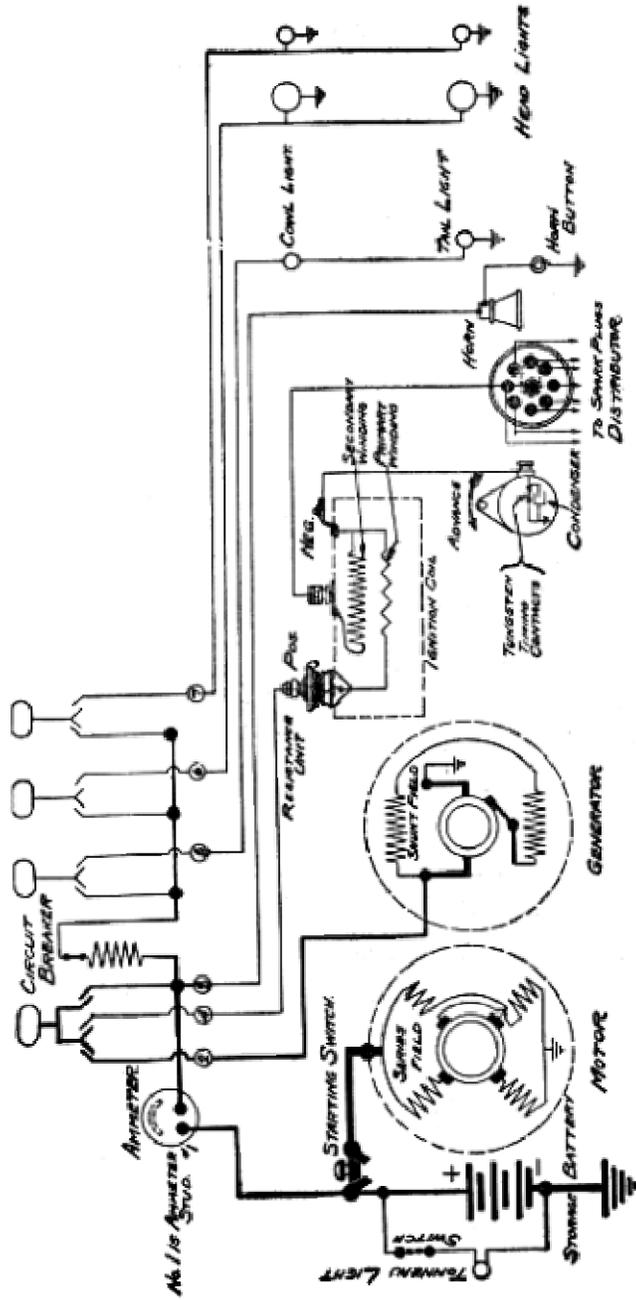
# NORWALK MOTOR CAR CO.—1919 Model



—IMPORTANT—  
IGNITION COIL MUST NOT BE  
MOUNTED MORE THAN THREE  
INCHES FROM DISTRIBUTOR

5160 Distributor  
2138 Ignition Coil

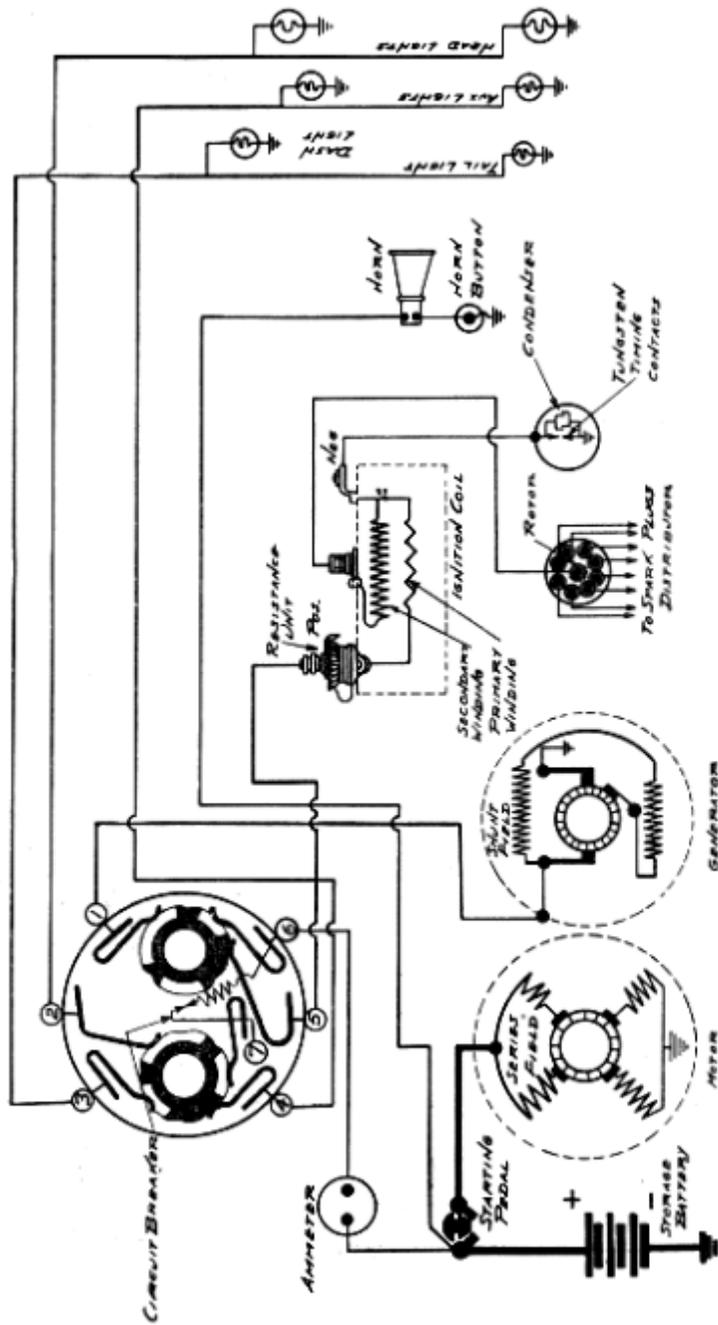
OLDS MOTOR WORKS—1919  
Model 45-A.



72 Motor Switch  
1966 Motor Switch

187 Generator  
2162 Ignition Coil  
1104 Combination Switch

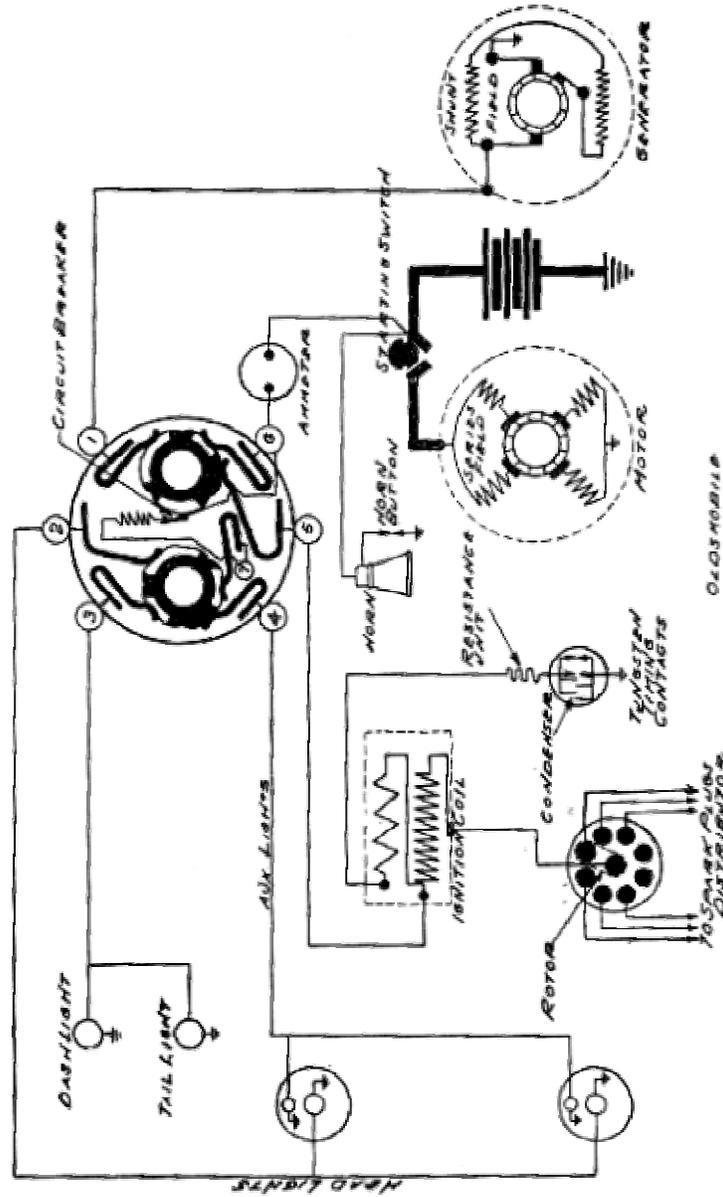
OLDS MOTOR WORKS—1919  
Model 45-B.



72 Motor  
1966 Motor Switch

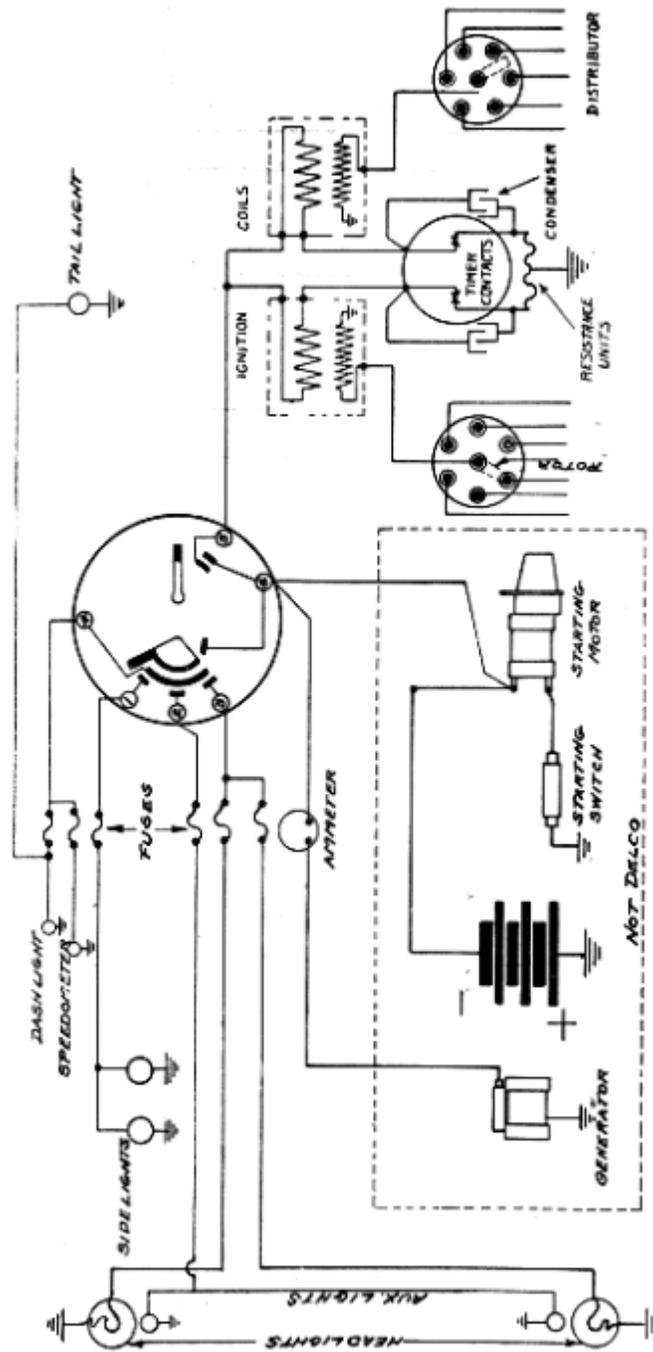
187 Generator  
2162 Ignition Coil  
1146 Ignition Switch

**OLDS MOTOR WORKS—1920  
Model 45-B**



- 167 Generator (Includes 148 Generator and 5210 Distributor)
- 2127 Ignition Coil
- 1176 Combination Switch
- 178 Motor
- 1966 Motor Switch

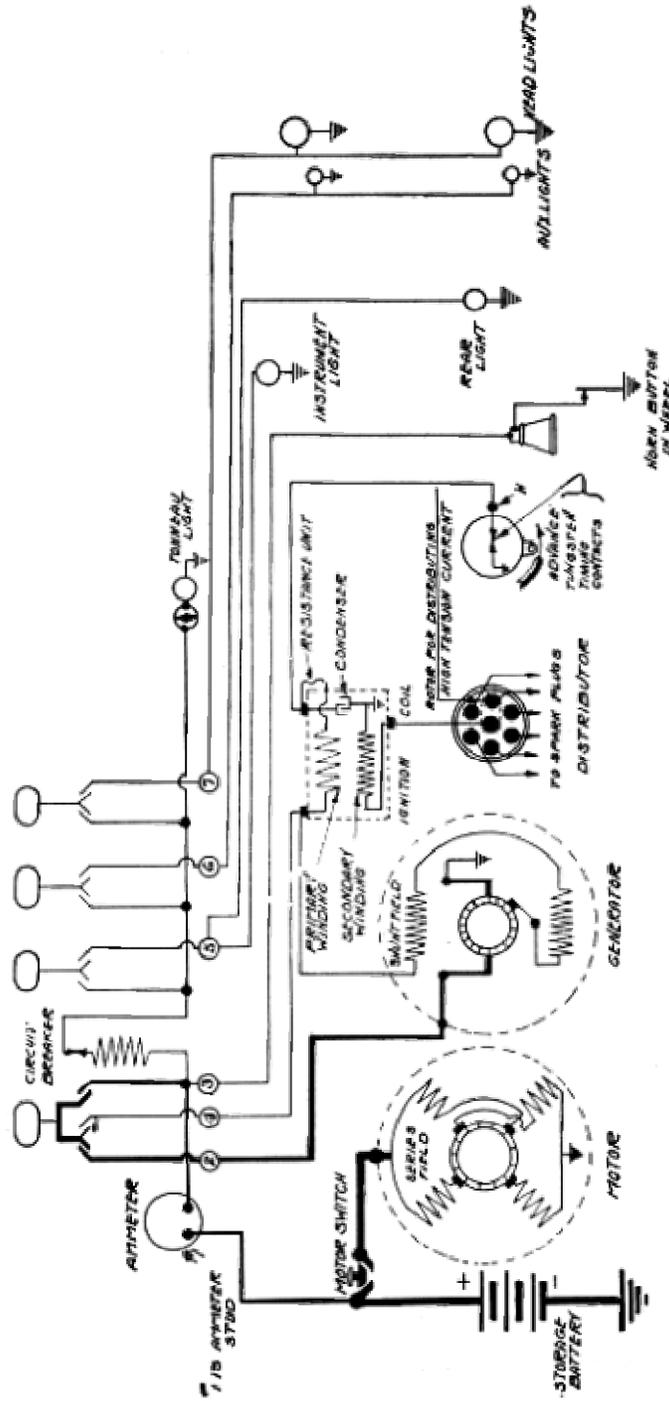
PACKARD MOTOR CAR CO.—1919-1920  
Models 325, 335



5161 Distributor  
2-2150 Ignition Coil

1092 Combination Switch

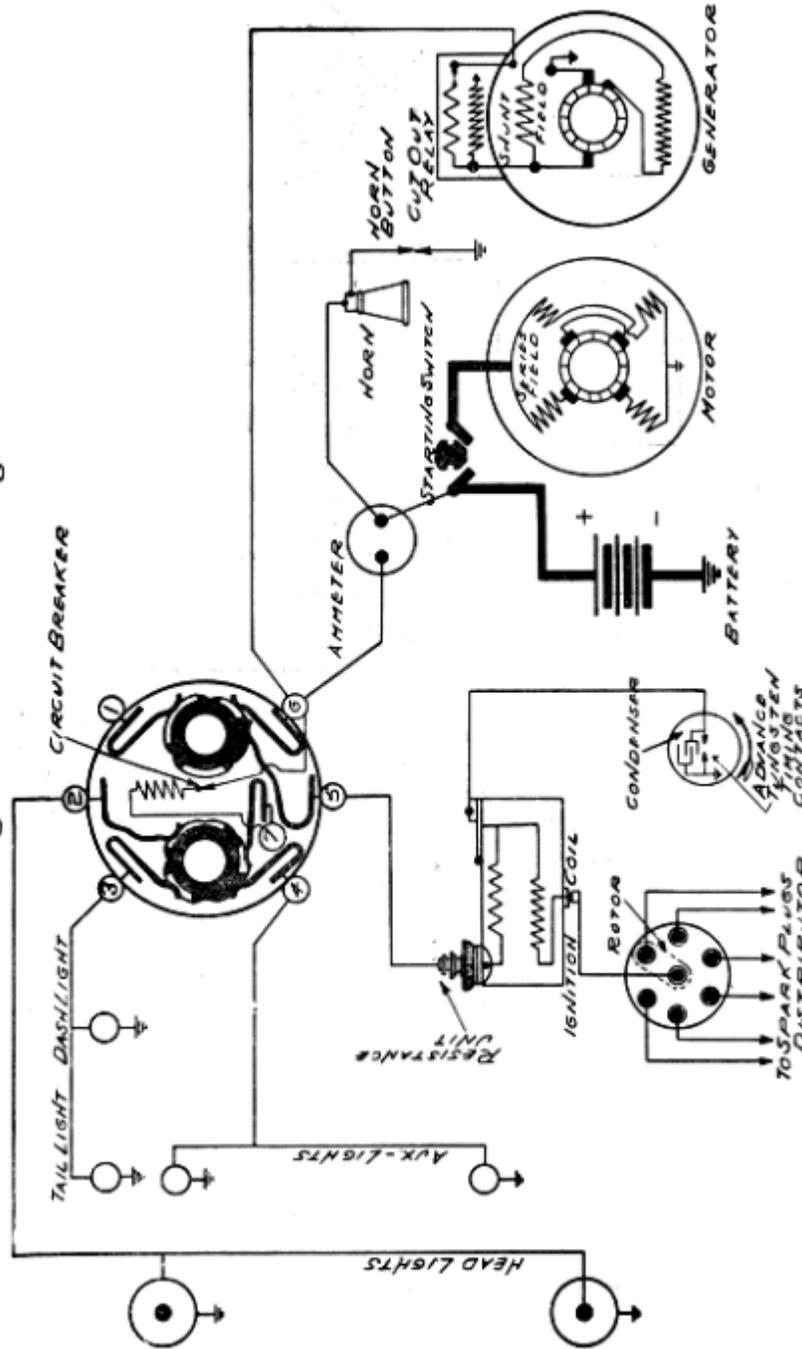
W. A. PATERSON CO.—1919  
Models 6-45, 6-45-R.



1964 Motor Switch  
1104 Combination Switch

105 Generator  
2158 Ignition Coil  
106 Motor

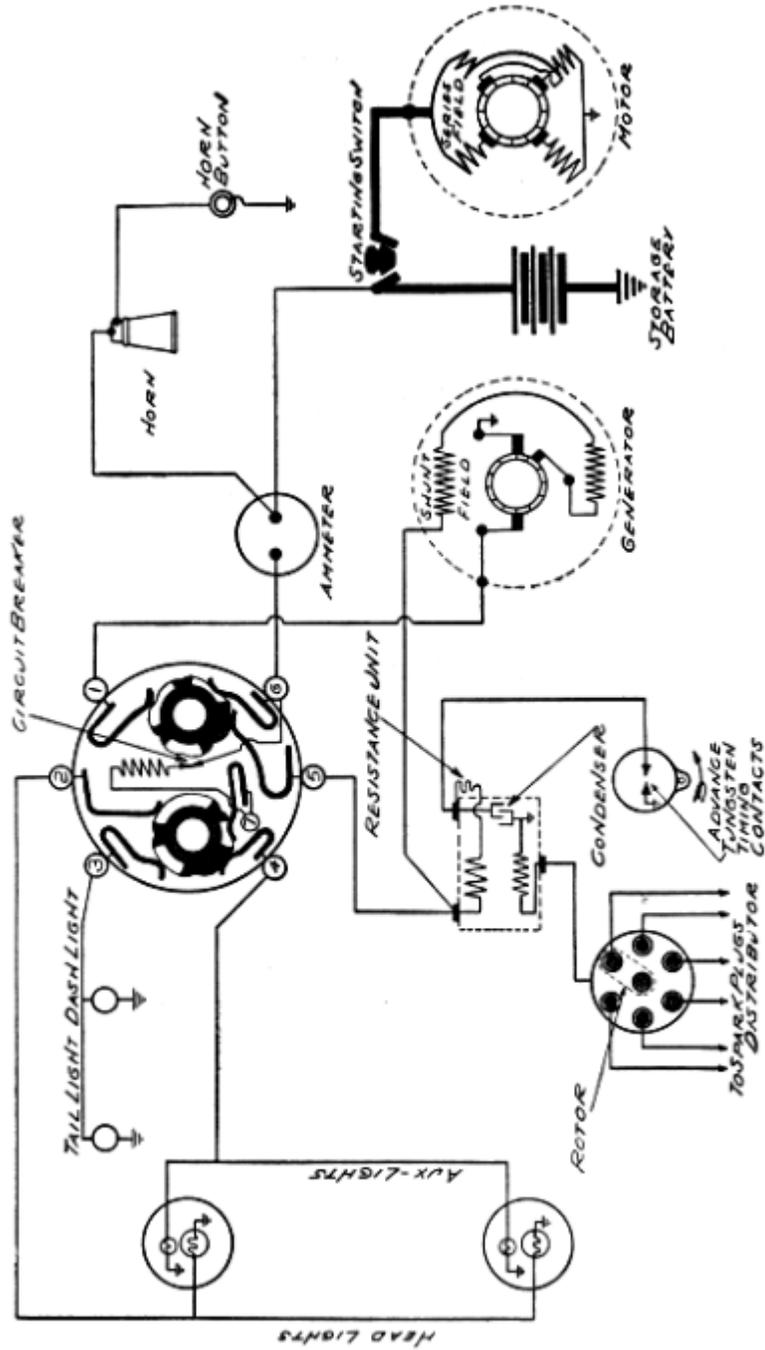
W. A. PATERSON CO.—1920 Model 6-47  
Using 7-R Continental Engine



2159 Ignition Coil  
164 Motor  
1964 Motor Switch

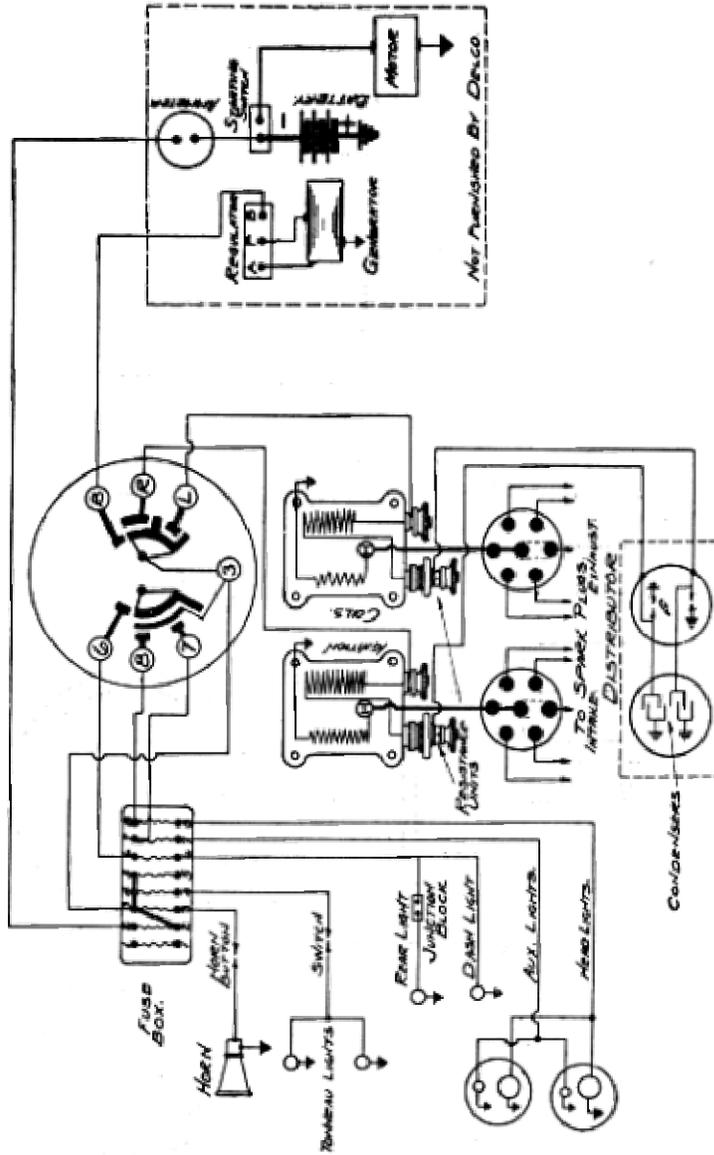
165 Generator  
5207 Distributor  
1152 Combination Switch

W. A. PATERSON CO.—1920  
 Models 6-46, 6-46R, Serial 94400 up.  
 Using 7-W Continental Engine.



- 105 Generator
- 1152 Combination Switch
- 2158 Ignition Coil
- 106 Motor
- 1964 Motor Switch

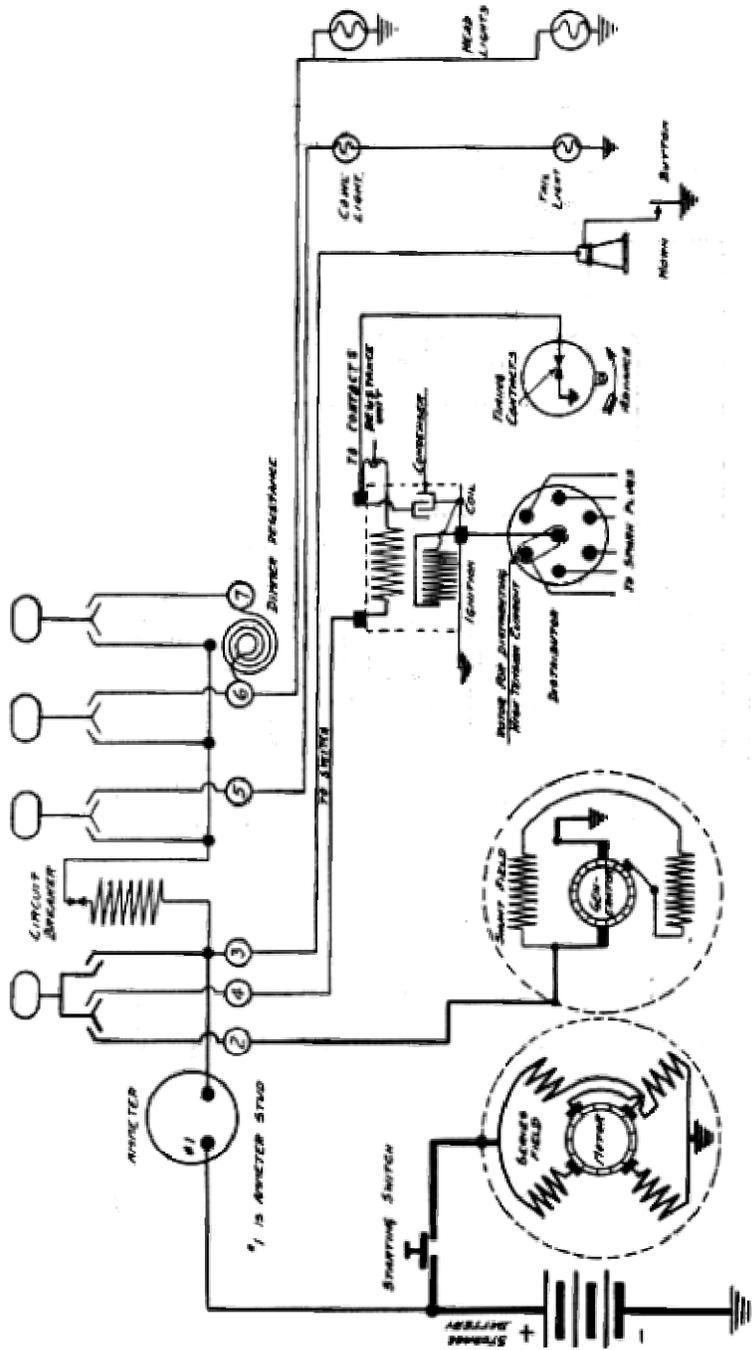
PIERCE-ARROW MOTOR CAR CO.—1919-1920  
 Models 38, 48,



1144 Combination Switch

5202 Distributor  
 2-2171 Ignition Coils

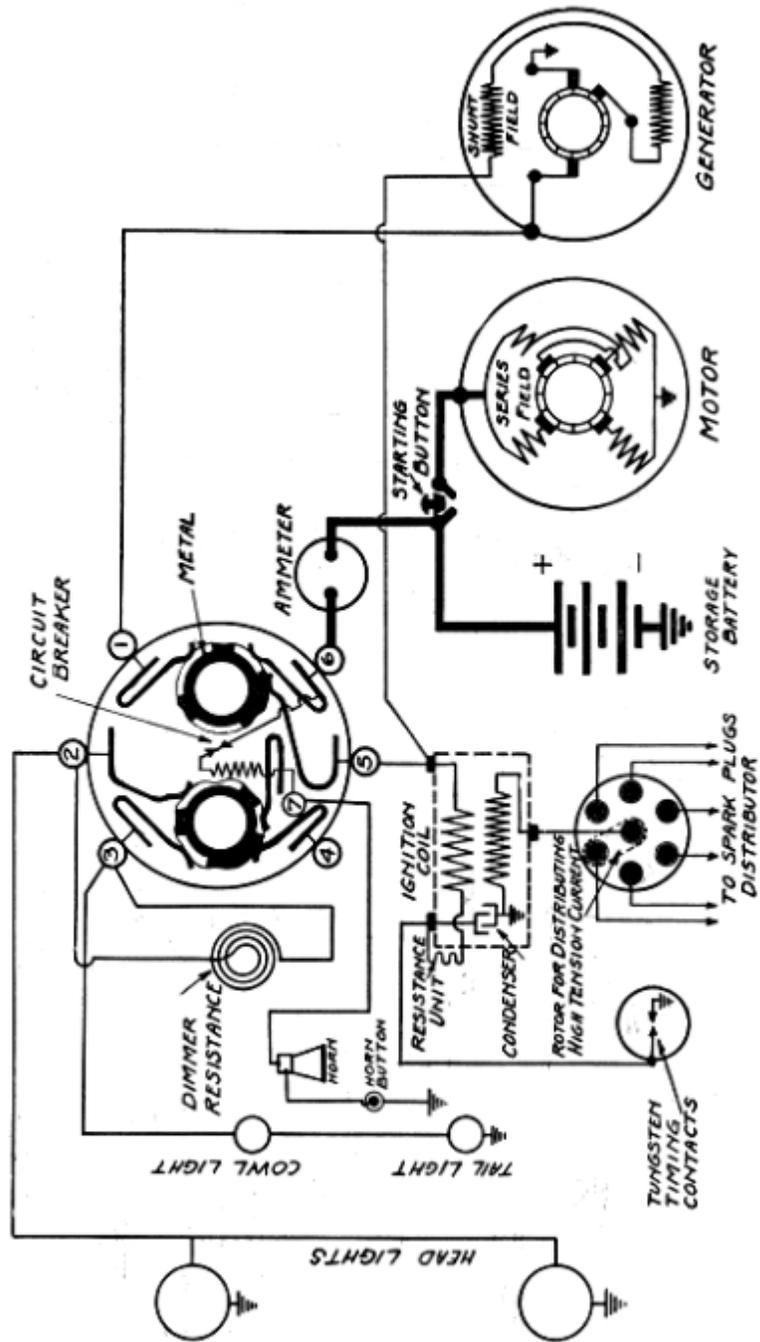
PILOT MOTOR CAR CO.—1919  
Model 6-45



2158 Ignition Coil  
1105-1106 Ignition Switch

103 Generator  
104 Motor  
1965 Motor Switch

PILOT MOTOR CAR CO.—1920  
Model 6-45

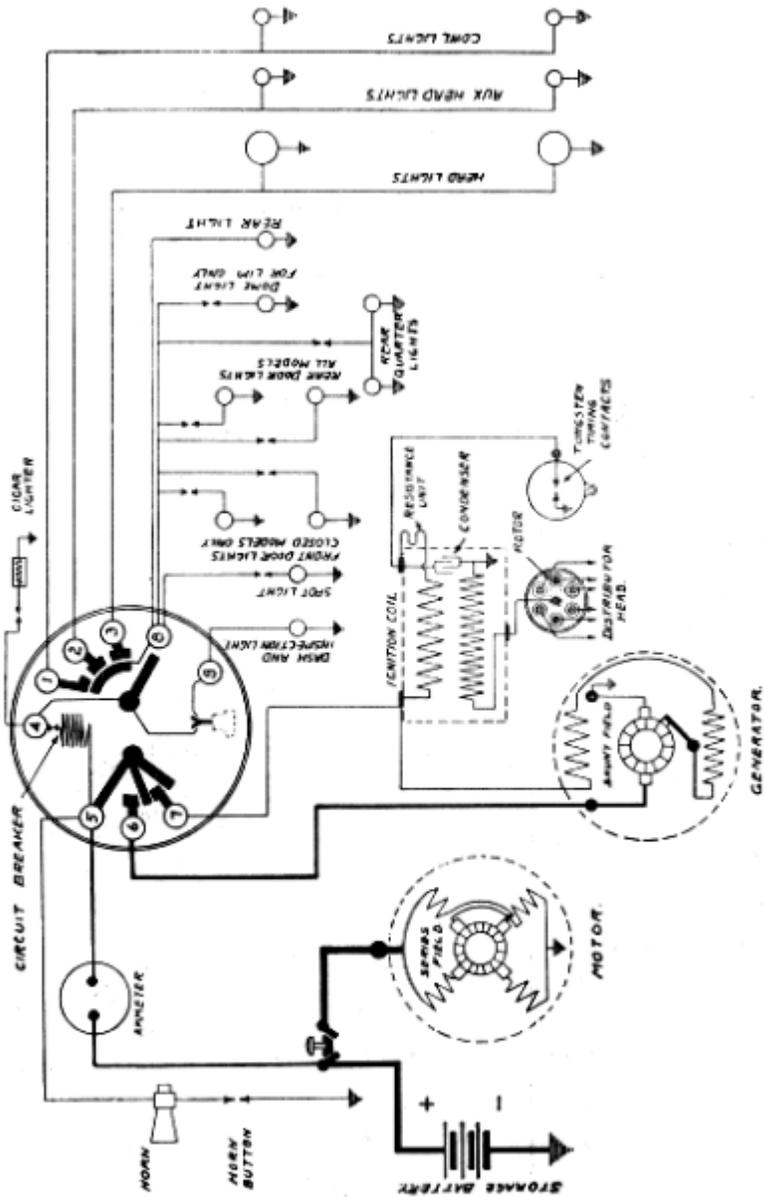


104 Motor  
1965 Motor Switch

108 Generator  
1164 Combination Switch  
2158 Ignition Coil



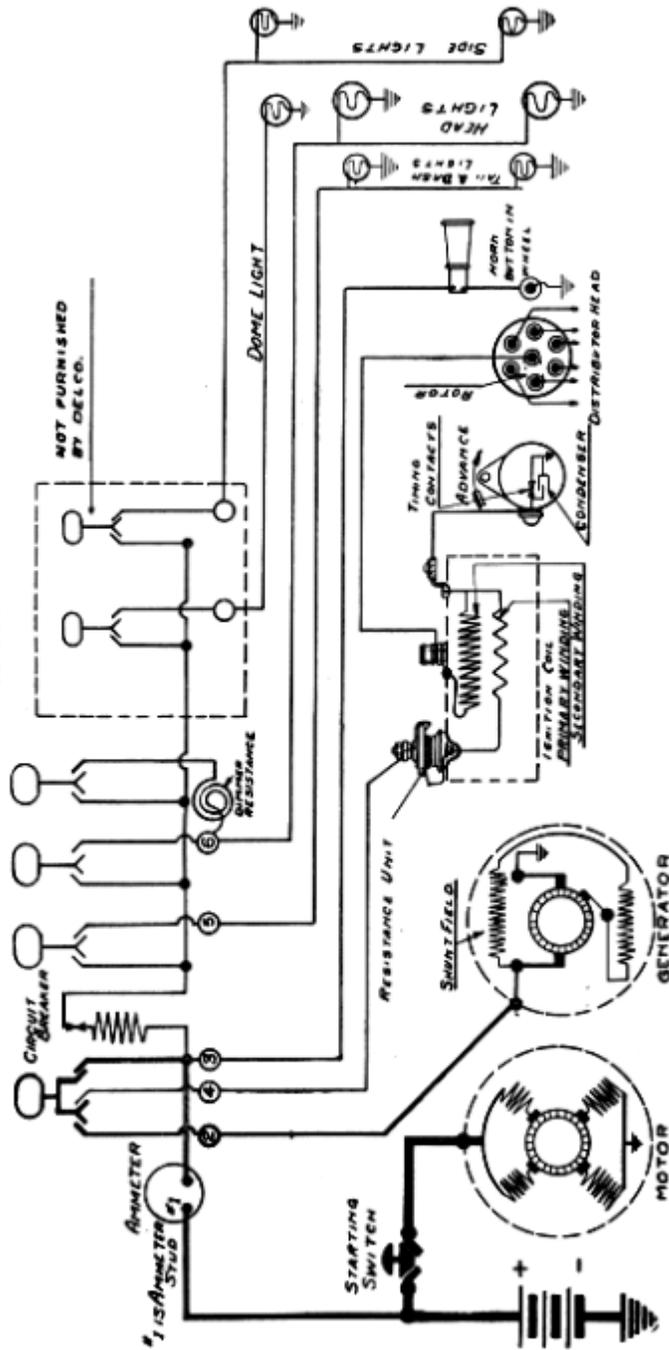
**PREMIER MOTOR CORP.—1920  
Model 6-D.**



110 Motor  
1965 Motor Switch

118 Generator  
1155 Combination Switch  
2145 Ignition Coil

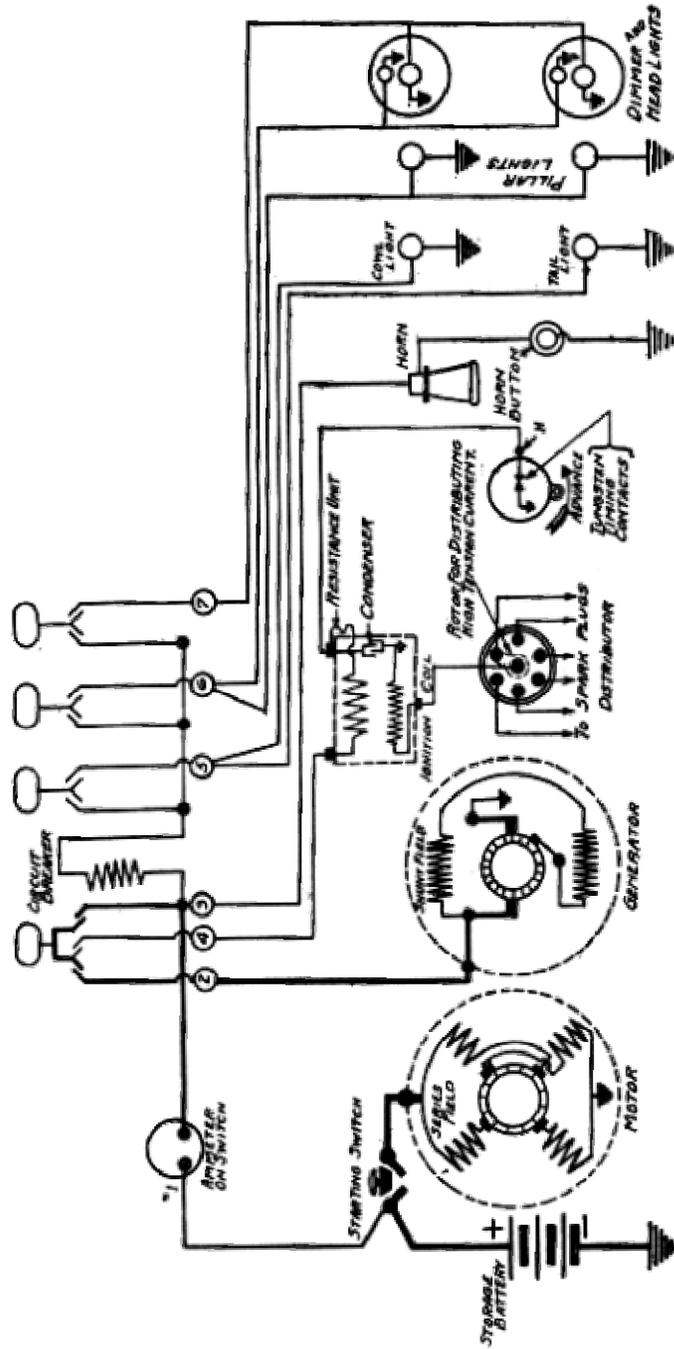
RIDDLE MANUFACTURING CO.—1919  
Model 19.



1105 Combination Switch  
136 Motor  
1965 Motor Switch

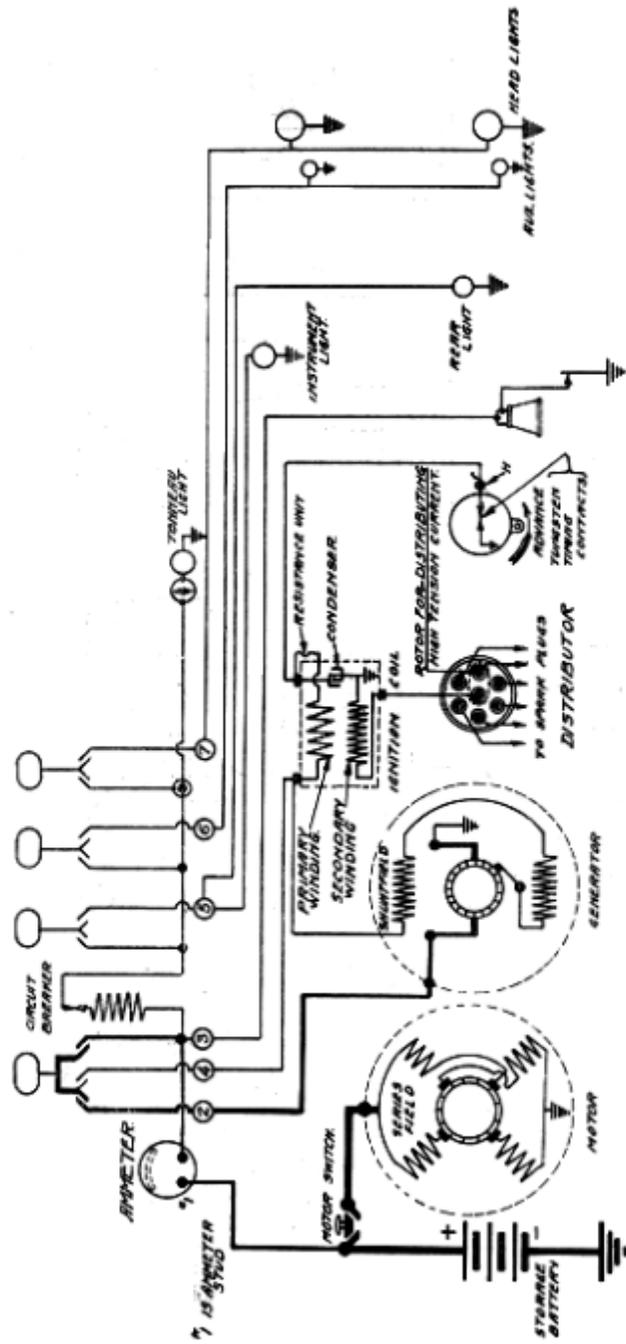
135 Generator  
5175 Distributor  
2159 Ignition Coil

SAYERS & SCOVILL CO.—1919 Model  
Using 7-N Continental Engine.



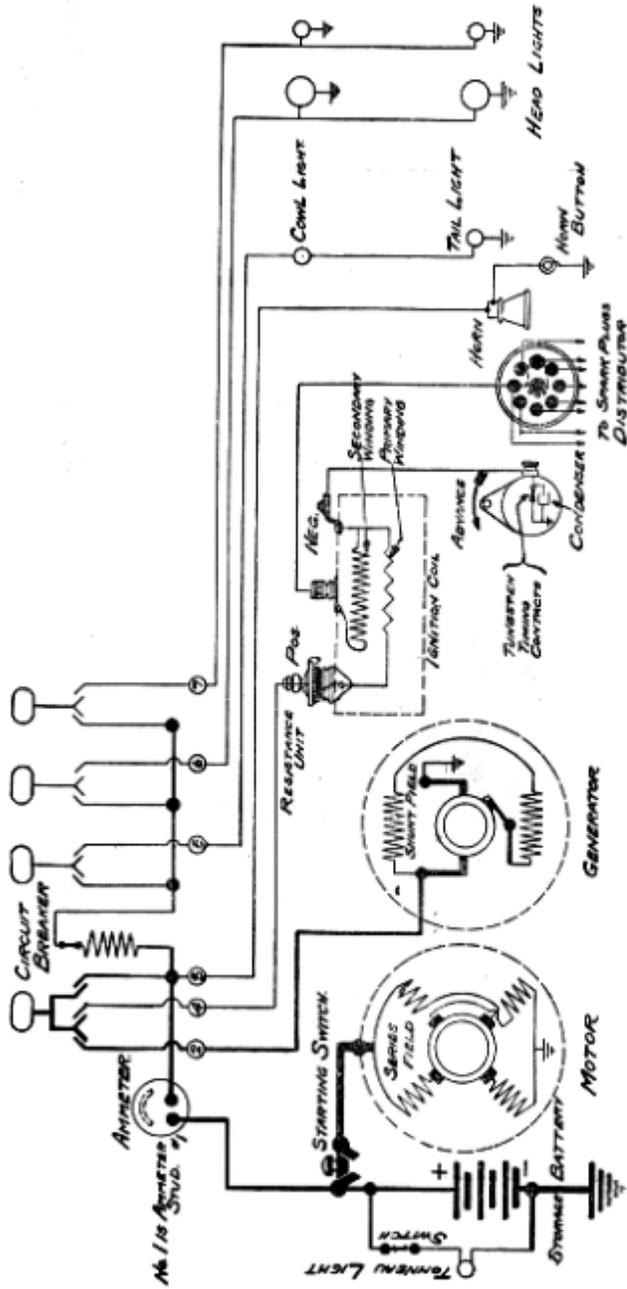
- 101 Generator
- 1104 Combination Switch
- 2158 Ignition Coil
- 102 Motor
- 1965 Motor Switch

SAYERS & SCOVILL CO.—1919 Model



- 105 Generator
- 1104 Combination Switch
- 2158 Ignition Coil
- 106 Motor
- 1966 Motor Switch

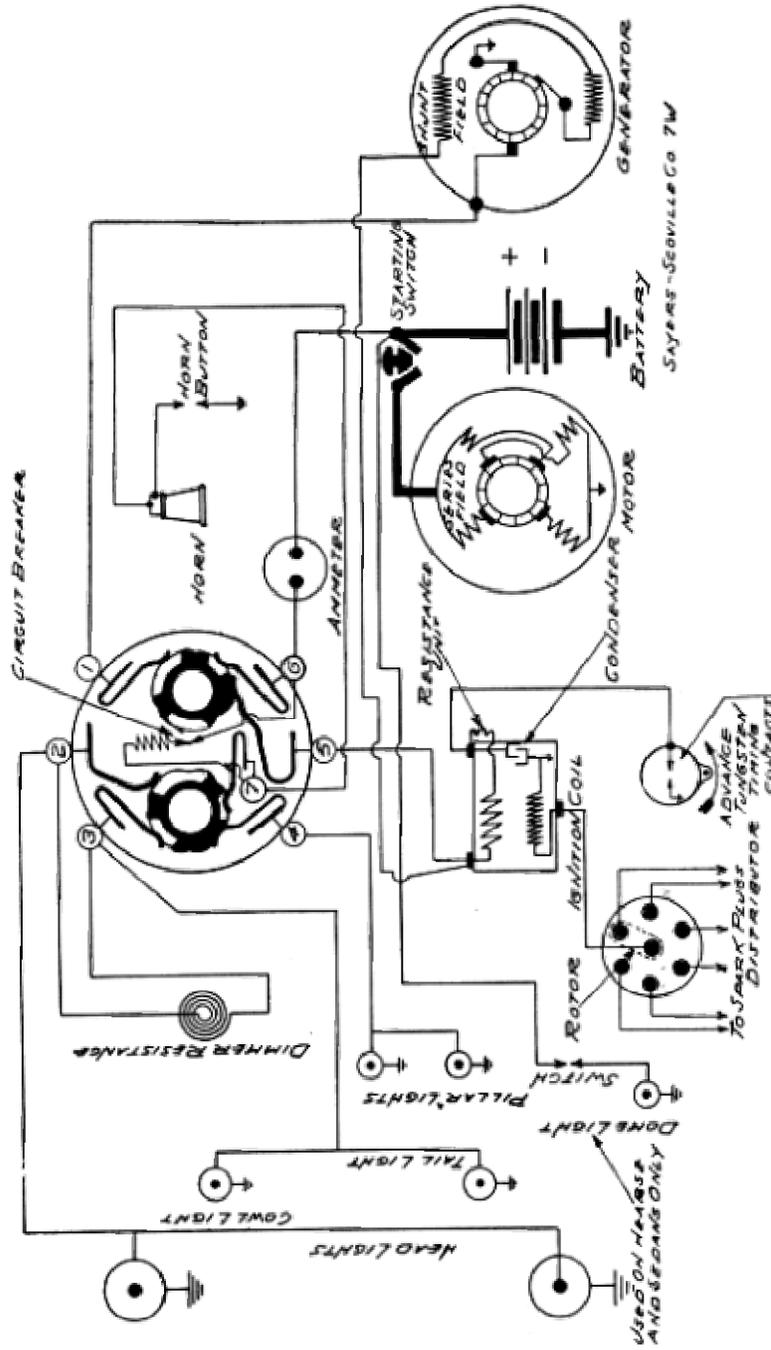
**SAVERS & SCOVILL CO.—1919 Model  
Using 9-N Continental Engine**



135 Generator  
5175 Distributor  
2159 Ignition Coil

1104 Combination Switch  
136 Motor  
1966 Motor Switch

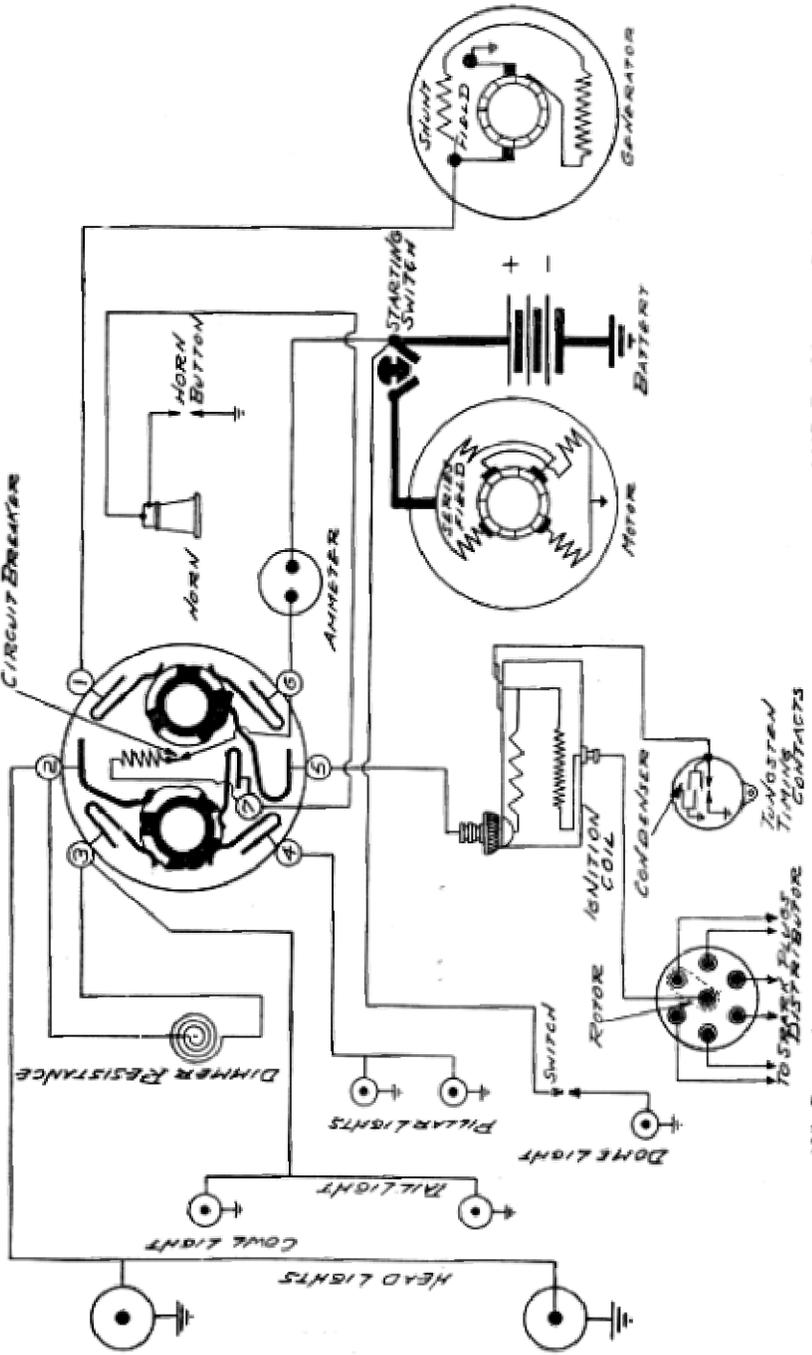
**SAYERS & SCOVILL CO.—1919 Model  
Using 7-W Continental Engine.**



106 Motor  
1966 Motor Switch

105 Generator  
1147 Combination Switch  
2158 Ignition Coil

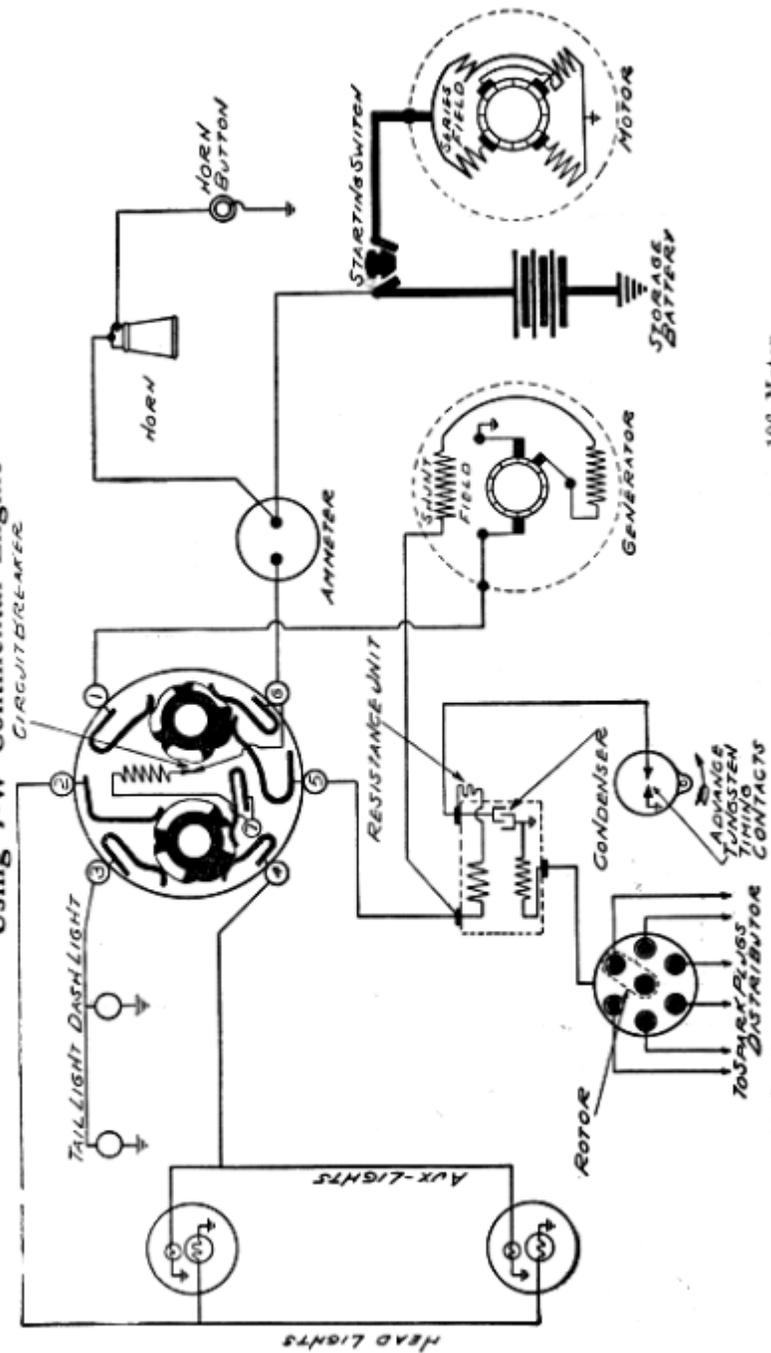
**SAYERS & SCOVILL CO.1919— Model  
Using 9-N Continental Engine**



- 1147 Combination Switch
- 136 Motor
- 1965 Motor Switch

- 135 Generator
- 5175 Distributor
- 2159 Ignition Coil

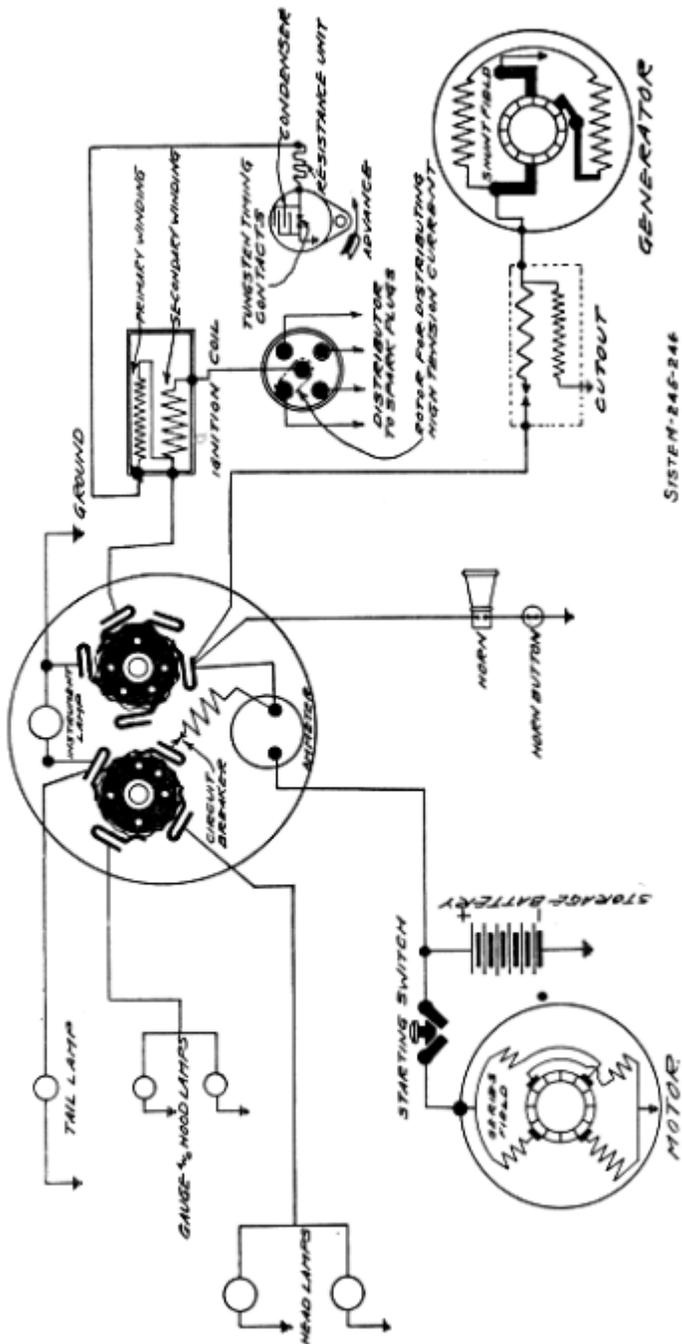
**SAYERS & SCOVILL CO.—1920 Model  
Using 7-W Continental Engine**



- 105 Generator
- 1147-1172 Combination Switch
- 2158 Ignition Coil
- 106 Motor
- 1965-1966 Motor Switch



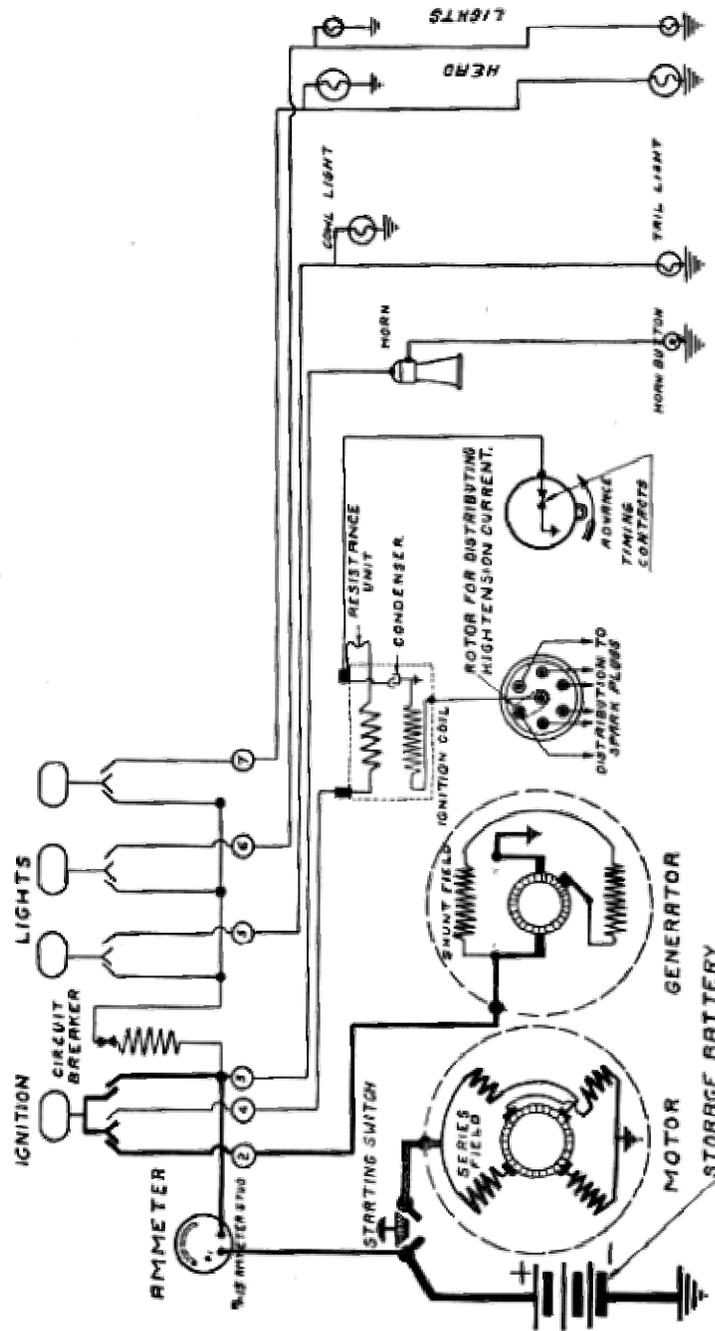
SEAGRAVE COMPANY—1919  
Models F-4, F-6.



- SISTEM-246-246
- 1126 Combination Switch
  - 157 Motor
  - 1966 Motor Switch
  - 5197 Distributor (6-cyl.)

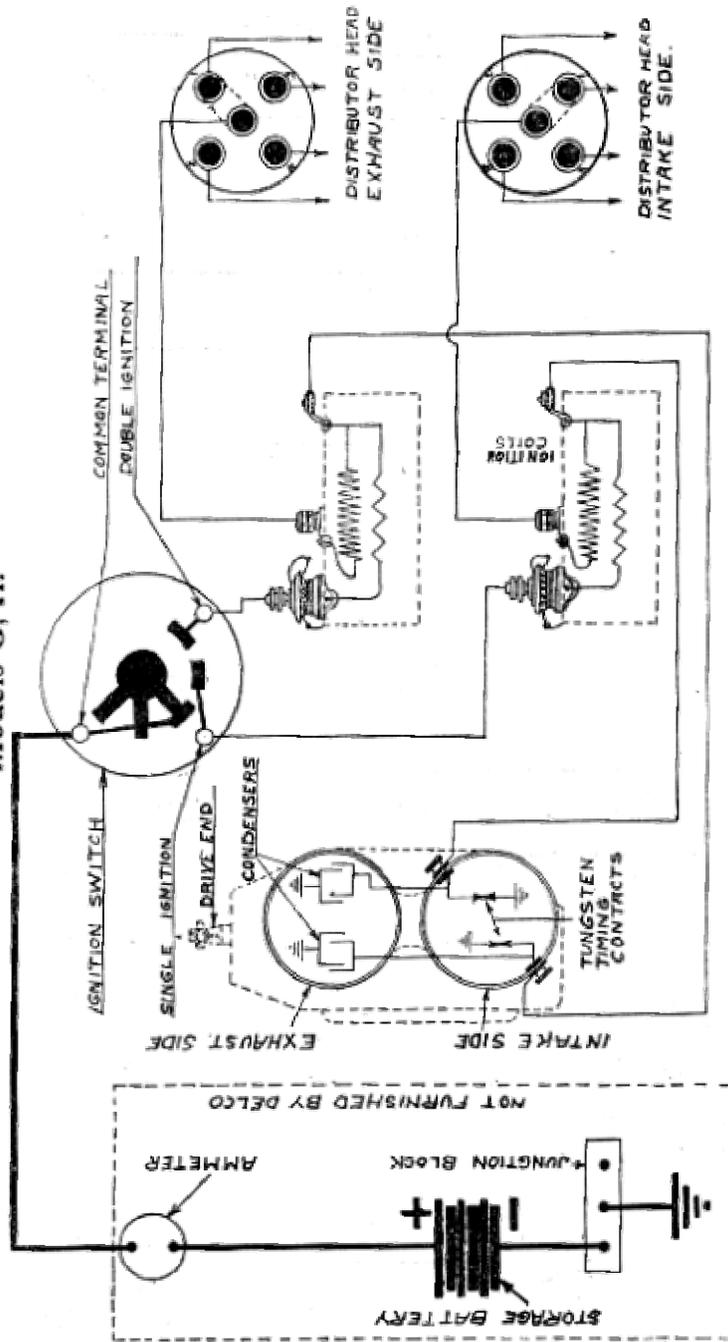
- 156 Generator
- 5731 Cut-out Relay
- 5198 Distributor (4-cyl.)
- 2127 Ignition Coil

STEPHENS MOTOR BRANCH OF THE MOLINE PLOW CO.  
1919—Models 70, 75.



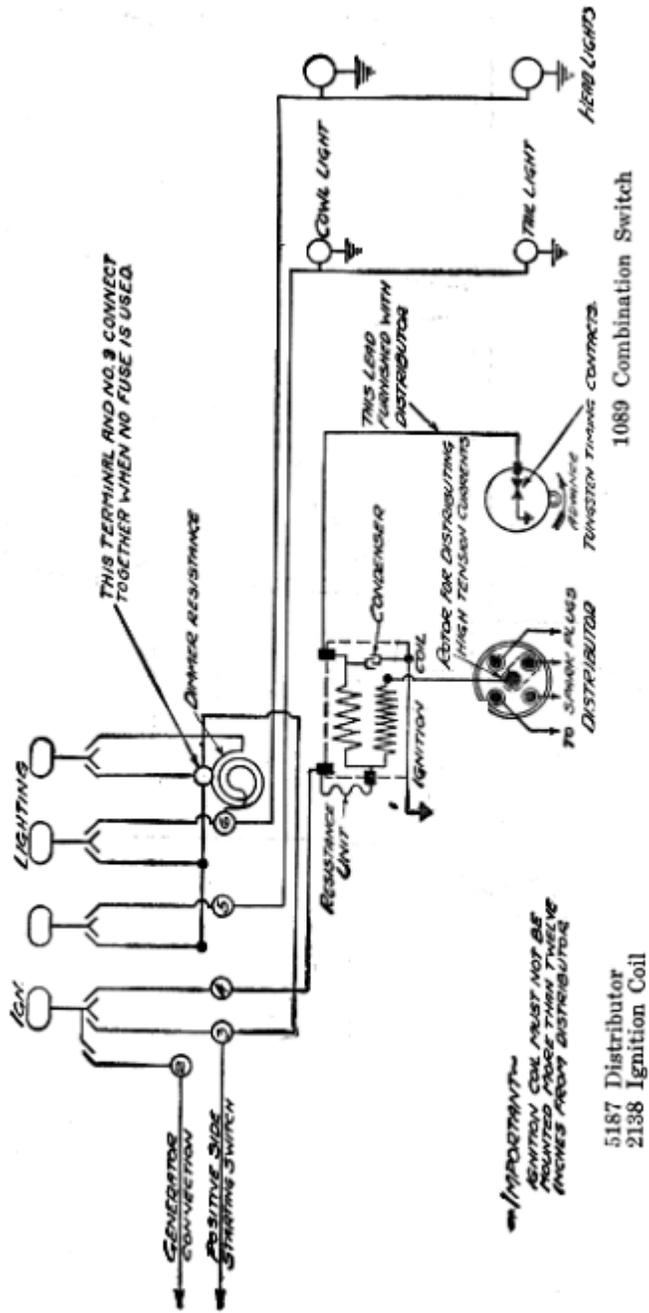
- 123 Generator
- 1109-1104 Combination Switch
- 2161 Ignition Coil
- 100 Motor
- 1964 Motor Switch

**STUTZ MOTOR CAR COMPANY OF AMERICA—1919-1920**  
**Models G, H.**

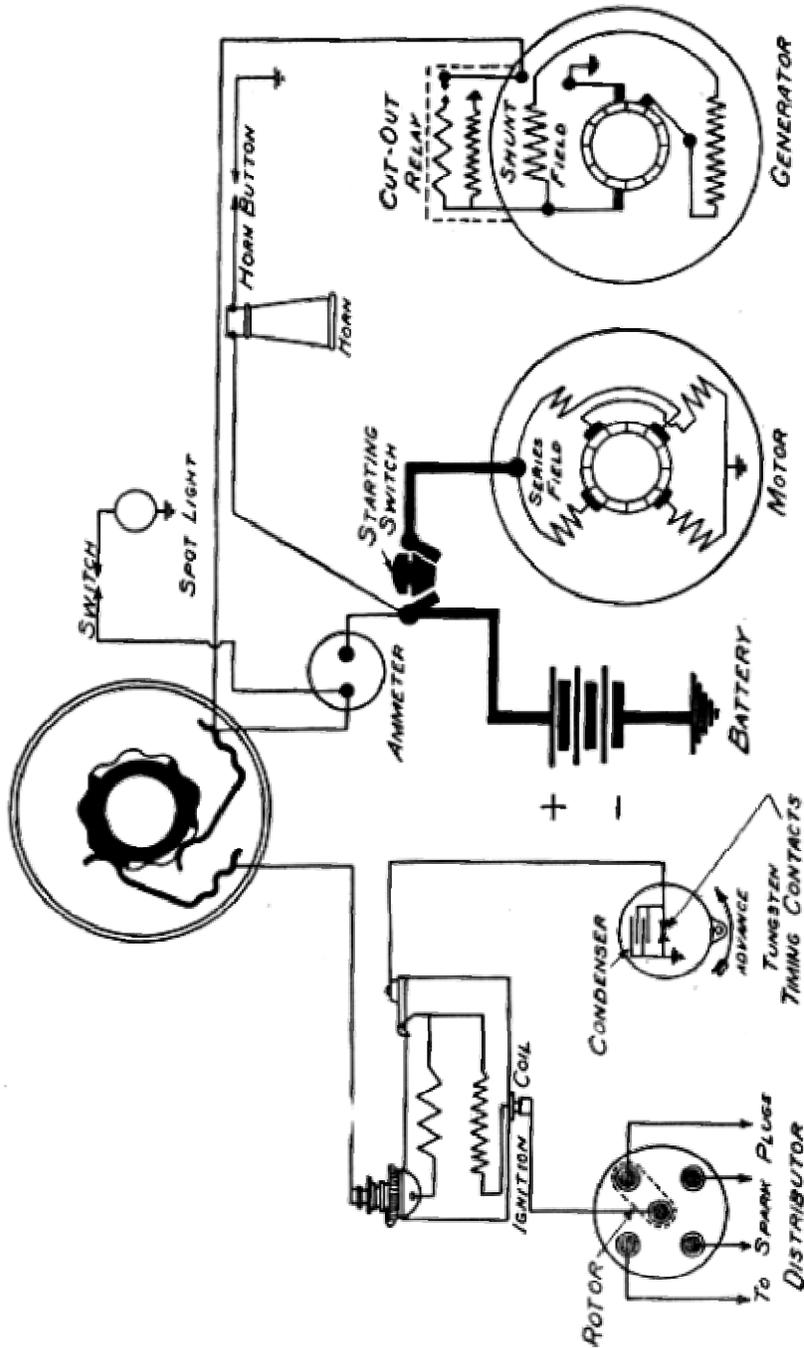


- 5196 Distributor (Model G)
- 1124 Ignition Switch
- 2-2162 Ignition Coils (Model G)
- 5209 Distributor (Model H)
- 2-2159 Ignition Coils (Model H)

TEXAS MOTOR CAR ASSOCIATION—1919 Model  
Series H.



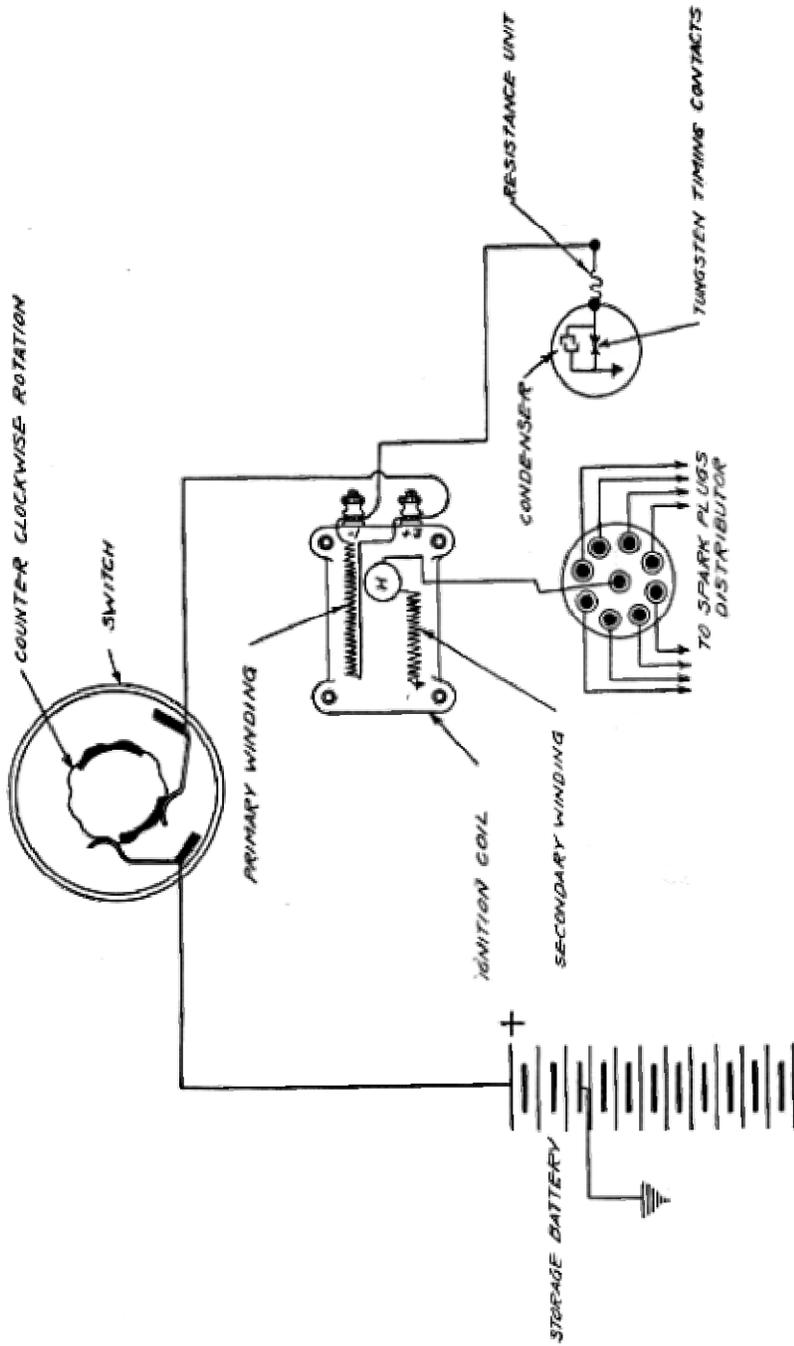
TOWMOTOR COMPANY—1920 Model



2159 Ignition Coil  
 164 Motor  
 1964 Motor Switch

165 Generator  
 5214 Distributor  
 1153 Combination Switch

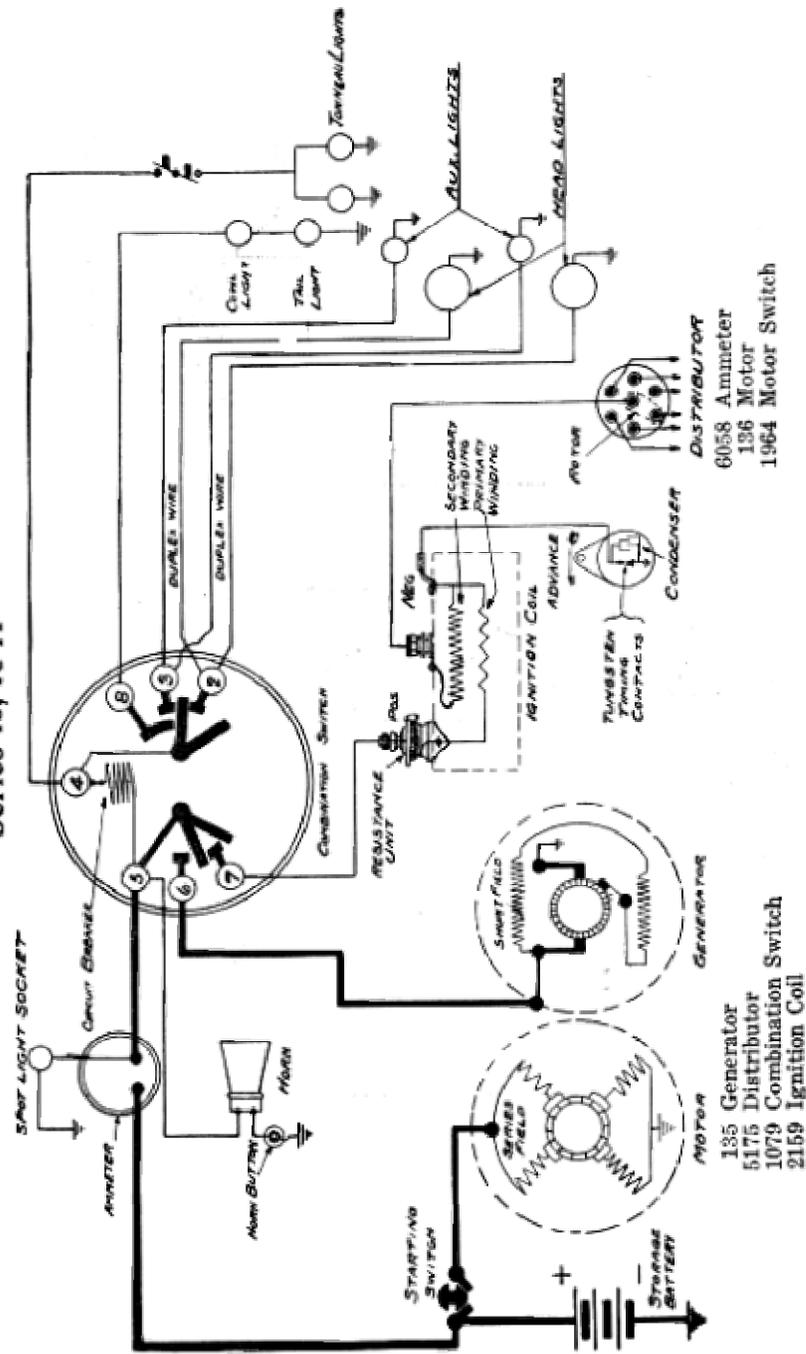
**VAN BLERCK MOTOR CO.—1919 Model  
4-Cyl. Marine—6-Cyl. Marine—8-Cyl. Marine**



2135 Ignition Coil  
1123 Ignition Switch

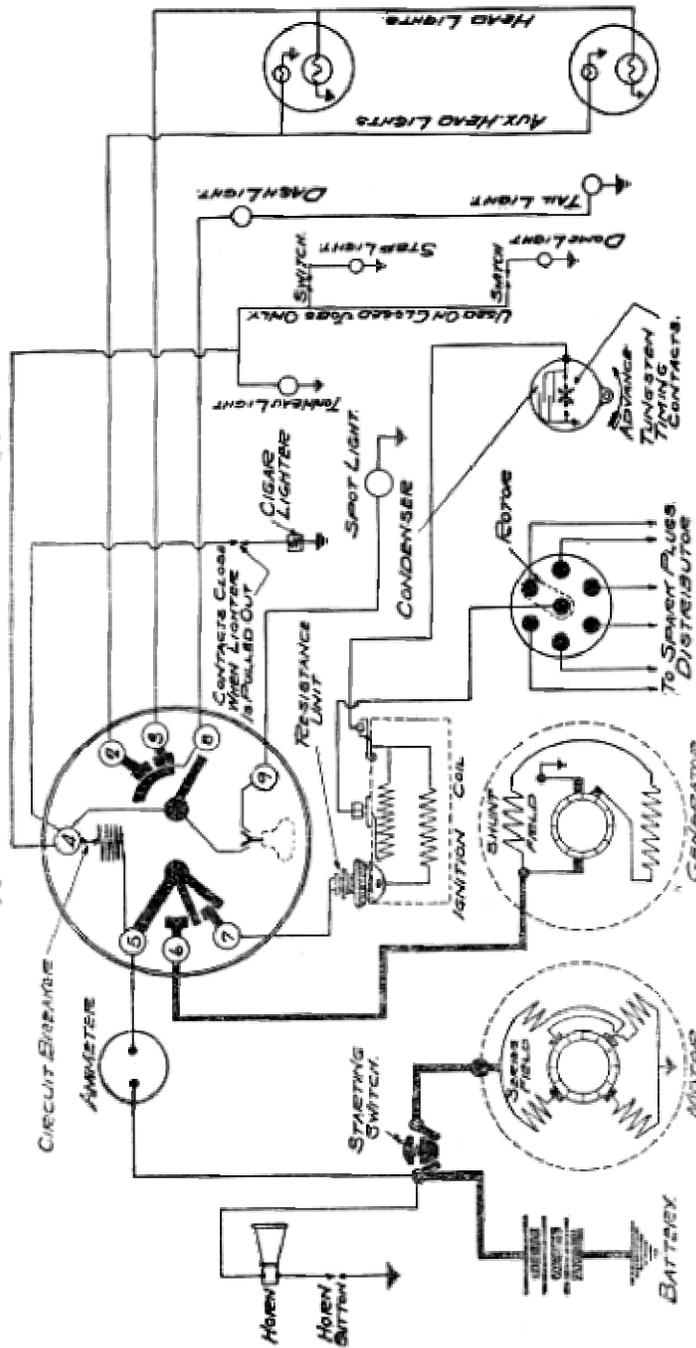
5188 Distributor (4-cyl.)  
5189 Distributor (6-cyl.)  
5190 Distributor (8-cyl.)

WESTCOTT MOTOR CAR CO.—1919 Model  
Series 18, 18-A



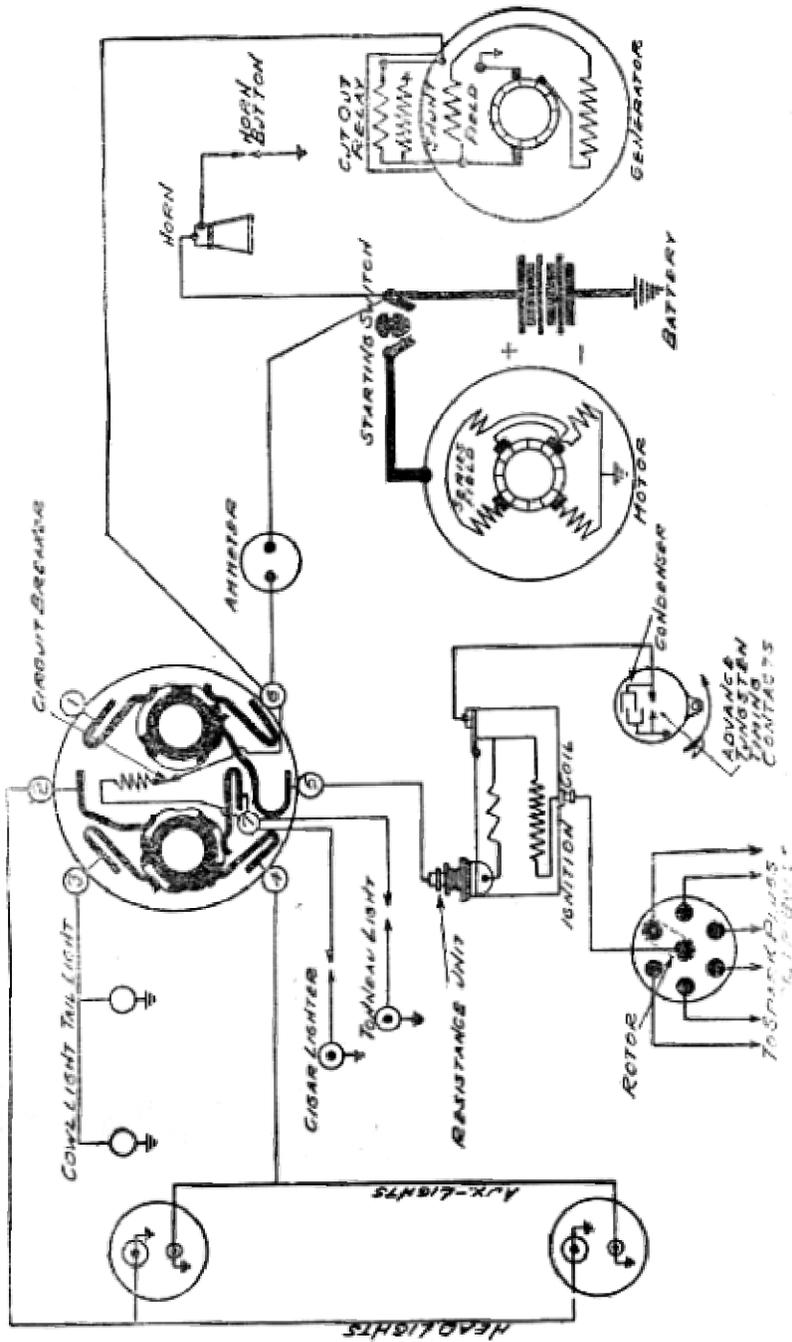


**WESTCOTT MOTOR CAR CO.—1919-1920 Models**  
**Type A-48 (Serial 8101 and up)**



- 1157 Combination Switch (1920 Model)
- 136 Generator
- 186 Motor
- 1964 Motor Switch
- 135 Generator
- 5175 Distributor
- 1142 Combination Switch (1919 Model)
- 2159 Ignition Coil

**WESTCOTT MOTOR CAR CO.—1920 Model**  
**Type A-38 (Using 7-R Continental Engine)**  
**Type C-38 (Using 7-R Continental Engine)**



- 165 Generator
- 5208 Distributor
- 1145 Combination Switch (A-38)
- 164 Motor
- 1964 Motor Switch
- 1170 Combination Switch (C-38)
- 2159 Ignition Coil

**WESTCOTT MOTOR CAR CO.—1920 Model  
Type C-48 (Using 9-N Continental Engine)**

