

CADILLAC Eight 1935

Model 355-D (Series 10, 20 & 30)

Serial No. 3105001 and up**

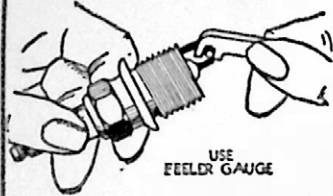
A. E. A. TUNE-UP SYSTEM

Stan ards o
Automotive Electric Association
Issued November, 1935

Form No. CA-18

IGNITION

SPARK PLUGS

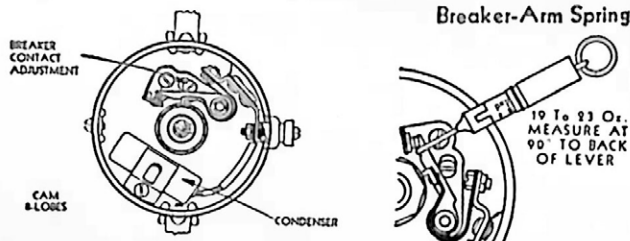


USE FEELER GAUGE
Size 18mm. Gap .025"-.028"
Original Equipment
AC Type G-7
For Cooler or Hotter Type
Consult AC Heat Range
Chart*

Distributor



Delco-Remy
No. 661-V
Firing Order
1 R-1 L-4 R-4L
2 L-3 R-3 L-2 R



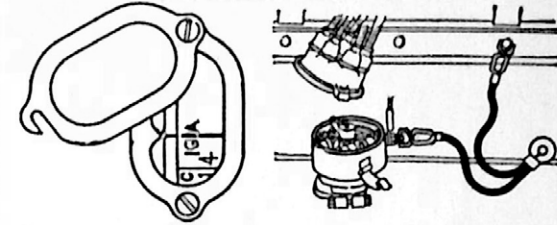
Breaker Contact Gap—.0125" to .0175"
Condenser—Part No. 829107 Capacity—.20 to .25 Mfds.
Rotation—Counterclockwise (viewed from drive end of distributor)
Manual Adjustment—10°
Automatic Advance—Full Automatic—12° at 1200 R.P.M.
(Maximum advance in distributor degrees at distributor R.P.M.)

COIL



Delco-Remy
No. 539-D
Extension Lock type.
Switch No. 431-D
Servicing Coil
Part No. 1854111

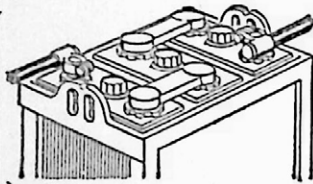
IGNITION TIMING



Use Timing Lamp—Breaker contacts to open 1/2" before top dead center, when flywheel mark is in line with pointer at inspection hole.

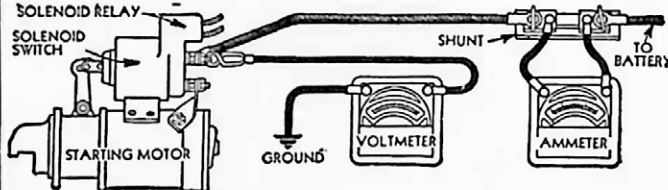
STARTING & LIGHTING

BATTERY



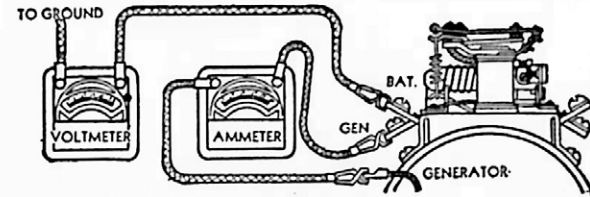
DELCO—Type 17-D
Capacity—130 Amp. Hour.
(20 hr. rate)
Location—On right hand
side, under front seat.
Ground: + Positive termi-
nal to frame.

STARTING MOTOR



DELCO-REMY No. 728-U
Drive—Overrunning Clutch Part No. 1843058
Rotation—Counterclockwise (Pinion end)
Free Running Speed—2500 R.P.M. 70 Amps. 5.0 Volts.
Lock Torque Stalled—28 Ft. Lbs. 600 Amps. 3.0 Volts.
Controls—Solenoid Switch and Relay, with Starter Control
Switch on instrument panel.

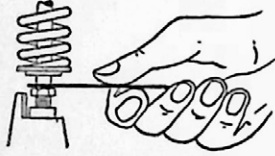
GENERATOR



DELCO-REMY No. 933-B
Maximum Output Safe Setting:
Hot—9 to 11 Amps. 7.3 to 7.5 Volts, at 1200 or higher
Cold—13 to 16 Amps. 7.7 to 8.1 Volts, at 1200 or higher
Current Regulator—Part No. 5541
Relay closes at 6.7 to 7.25 Volts; at Approx. 800 R.P.M. (Gen.) Opens at 2.5 Amp. max. discharge.
Brush Spring Tension—22 to 26 oz. (all brushes).
Rotation—Clockwise (viewing drive end)
Regulation—Current Control Unit (no thermostat)
No Adjustment
Regulator Controlled**
*These readings to be taken with ammeter connected between "Gen" terminal on regulator and terminal of generator. Check settings with cover on regulator unit.**

VALVES

CLEARANCE



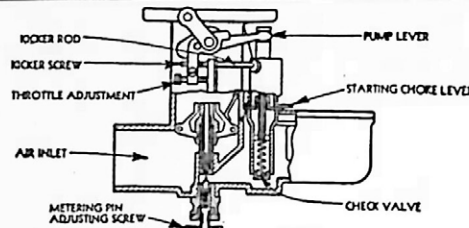
USE NEW FEELER STOCK
FOR EACH JOB
Engine Cold—
Intake—.006"
Exhaust—.010"

TIMING



Inlet Valves—open 6°
or 2 flywheel teeth
before top dead
center.
Tapet Lash — for
timing, .006" (cold)

CARBURETION



CADILLAC (Detroit Lubricator) No. L-14 TYPE—Updraft
Adjust carburetor at bench before installing on engine.
Idle Adjustment—Turn throttle adjustment screw to the left un-
til a .006" feeler gauge will just pass between butterfly valve
and carburetor body with throttle in closed position. Idle at 320
R.P.M.
Kicker Adjustment—Set choke lever in open position and turn
kicker screw until a .005" to .010" feeler gauge will just pass
between screw and kicker rod, with throttle in closed position.*
Metering Pin Adjustment—Turn in until metering pin begins to
raise the vanes above the aspirating tube; then back out 2 3/4
turns. Metering p.n number 14.

FUEL LEVEL

Fuel Level— 13/16"
to 15/16".
Measure from top of
float bowl casting to
gasoline level.

COOLING, FUEL & OIL SUPPLY

Cooling System—
Capacity—20 Qts. (U. S. Meas.)
Radiator Flow—
Thermostat—Top front of radiator upper
tank, controls shutter.
Temperature Gauge—AC No. 1510021
or No. 1510102
Crankcase—Capacity—8 Qts. (U.S. Meas.)
Fuel Feed—Mechanical Pump: AC
(Type D) No. 856062
Vacuum Pump (Type K) No. 1521541
Air Cleaner—AC Oil-Wetted*
(with silencer) No. 1525458
Gasoline Gauge—
AC (Dash Unit) No. 1515134
(Tank Unit) No. 1515059
Oil Filter—
Ammeter—AC No. 857742
Speedometer—AC (Type L) No. 868927
Cable—3 wheelbases; See Catalog.
Vacuum-Operated Devices:
Windshield Wiper—Trico
Service Motor (Closed Models) No. SK-7

This information applies to the items of equipment on reverse side, which are marked as follows:

* Consult A. E. A. SERVICE MANUAL for more complete information on servicing this unit.

** Serial Number—Engine Number and car serial number are identical. Located on left frame rail near steering gear; also on crankcase at right hand side below water inlet.

Model 355-D—Series 10—128" wheelbase
Series 20—136" wheelbase
Series 30—146" wheelbase

3* Carburetor—When checking the throttle stop screw and kicker rod adjustments, use feeler gauges of not more than $\frac{1}{8}$ " width.

4* Generator—The maximum output settings are made with lights turned off.

Current Regulator Adjustments—Drive generator at approximately 2500 R. P.M. to assure maximum output. Adjust spring tension for the following readings.

Lights Off—Unit must regulate generator at 13 to 16 amperes.

Lights On—Unit must regulate generator at 19 to 22 amperes, with 11 amperes of lamp load.

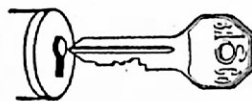
Contact Point Separation—.015" to .040".

Air Gap—.055" to .075" between armature and center of core (with armature down until fibre bumper just touches stop).

.006" to .008" between fibre bumper and stop with armature up.

Refer to Manufacturer's Service Manual for special instructions.

IGNITION LOCK



Briggs & Stratton
KEY SERIES 6000-6999
KEY-BLANK PART No. 72733
LOCK PART No. 45351

RECOMMENDED SERVICE TOOLS

Timing Lamp

Vacuum Gauge

Compression Gauge

Synchronizing Fixture

Low Range Voltmeter

Fuel Pump Pressure Gauge

Precision tools and gauges are necessary for accurate work.

Original Factory Standards

Genuine Service Parts.

Accurate Adjustments.

That is A. E. A. Tune-Up.