

CHEVROLET Six 1953

SERIES 1500, 2100, 2400 (U.S.)

SERIES 1000 AND 1200 (CANADA)

SERIAL NO. (SEE BELOW) U.S. & CANADA * *



A. E. A. TUNE-UP SYSTEM



Standards of Adjustment Automotive Electric Association

ISSUED AUGUST 1953

FORM NO. CE-35

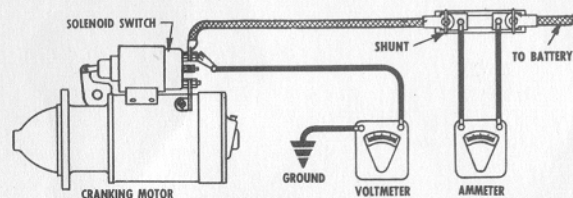
BATTERY AND CABLES

DELCO Type 15AA (U.S.) GM PRODUCTS Type 100-MI (Canada)
Capacity - 100 Amp. Hour (20 hr. rate) Negative Ground

CABLES - PACKARD (U.S.) - Battery to Ground Cable - Length 14";
Part No. 5L-14 or 5U-14. Battery to Switch Cable -
Length 39"; Part No. CL-39 or CP-39.

GM (Canada) - Battery to Ground Cable - Length 16-1/2";
Part No. 1878280. Battery to Switch Cable - Length 41";
Part No. 1783157.

STARTING MOTOR



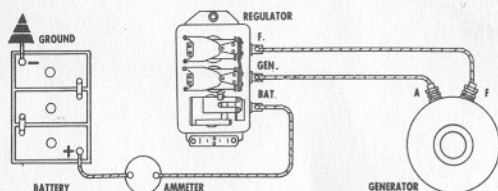
DELCO-REMY No. 1107109 (U.S.); No. 1913369 (Canada)

Drive - Overrunning Clutch Part No. 1873789

FREE RUNNING SPEED - 5500 R.P.M. 70 Amps. 5.65 Volts
LOCK TORQUE (Stalled) - 11 Ft. Lbs. 550 Amps. 3.25 Volts

CONTROL - Solenoid Switch Part No. 1118135

GENERATOR



DELCO-REMY No. 1100018

Brush Spring Tension - 28 oz.

Maximum Output Controlled by Current Regulator:

Cold - 45 Amps. 8.0 Volts at 3000 R.P.M. of Generator

Rotation - Clockwise (viewing drive end)

GENERATOR REGULATOR

DELCO-REMY No. 1118725

| | Cut-Out Relay | Current Regulator | Voltage Regulator |
|------------------|-----------------|-------------------|-------------------|
| Air Gap | .020" | .075" | .075" |
| Point Opening | .020" | | |
| Checking Range | 5.9 - 6.7 Volts | 45 - 51 Amps. | 7.0 - 7.7 Volts |
| Adjusting Specs. | 6.4 Volts | 47 Amps. | 7.4 Volts |

NOTE: The SYMBOL "hg." used on this chart designates
"Inches Vacuum" (mercury).

COMPRESSION

VALVE CLEARANCE - Engine Hot - Standard transmission

(U.S.) Intake .006" (Canada) Intake .006"
Exhaust .013" Exhaust .016"

Automatic transmission - Hydraulic valve lifters

VALVE TIMING - Standard transmission

Inlet valves open 1° after top dead center.

Automatic transmission

Inlet valves open 16° before top dead center.

SPARK PLUGS

AC Type 44-5

Gap .035"

Size 14mm.

Use Round Wire Gauge

IGNITION COIL

DELCO-REMY No. 1115380

Servicing Coil No. 1115380

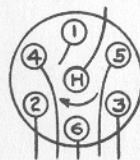
Oil Filled Type

HIGH TENSION CABLE

Ignition Cable Set - (U.S.) PACKARD No. 6G or 446G

(Canada) GM No. 5261884

DISTRIBUTOR



DELCO-REMY No. 1112388 (Automatic transmission)

No. 1112389 (Standard transmission)

Firing Order - 1-5-3-6-2-4

Breaker Contact Gap -

.016" at 38° - 45° Cam Angle

Breaker Contact Set Part No. 1924571

Breaker Arm Spring Tension - 19 - 23 oz.

Condenser - Part No. 1928111

Capacity - .18 - .23 Mfds.

Automatic Advance - (Standard transmission)

Start 0° - 2° at 350 R.P.M.; Intermediate 11° -

13° at 1200 R.P.M.; Maximum 16° - 18° at 1800 R.P.M. (Automatic

transmission) Start 0° - 2° at 375 R.P.M.; Intermediate 9° - 11°

at 1350 R.P.M.; Maximum 12° - 14° at 1750 R.P.M.

(Distributor degrees at distributor R.P.M. Tolerance 2° less)

Vacuum Control - (1112389 dist.) No. 1116076 4" - 6" hg. to start

plunger travel; 13" hg. for full plunger travel; 15/64" - 9/32"

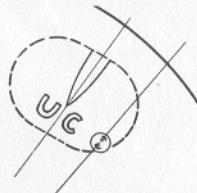
total plunger travel; 9° - 11° maximum advance (distributor)

(1112388 dist.) No. 1116043 7" - 8.5" hg. to start plunger

travel; 18.5" hg. for full plunger travel; 17/64" total plunger

travel; 9° - 11° maximum advance (distributor)

IGNITION TIMING



USE TIMING LIGHT - Breaker contacts

to open 2° after top dead center.

Timing mark on flywheel.

FUEL PUMP

AC Type 9798 Series AF (U.S.)

Type 429 Series AF (Canada)

Capacity - 1 pint or over in 1 minute

Pressure - 3-1/2 lbs. minimum; 4-1/2 lbs. maximum

AIR CLEANER

AC No. 1551195 (Standard)

Type 903 (Heavy Duty)

CARBURETOR

ROCHESTER No. 7004915 (Standard transmission)

No. 7004478 (Automatic transmission)

Float Level - Place float level gauge in position with gauge tang

inserted in discharge nozzle. Bend float arms vertically so

that each float just touches top portion of gauge. Bend float

arms horizontally so that each float is centered in gauge. Tilt

assembly 90° each side and check that floats do not touch gauge.

Float Drop Adjustment - To insure sufficient entry of fuel under

high speed operation, it is necessary to check and adjust the

float drop. With air horn held right side up and floats sus-

pended freely, carefully bend float tang at rear of float

assembly so that the bottom of the float is 1-3/4" below the

gasket surface. Install air horn assembly to float bowl and

tighten screws evenly and securely.

Fixed Jets - Main Metering Jet - Standard Part No. 7002958

Main Metering Jet - Lean Part No. 7002957

Unloader Adjustment - With throttle lever in full wide open

position, there should be clearance between lower edge of choke

valve and bore of carburetor air horn so that large end of gauge

(.186") will just slide freely. Bend tang on throttle lever to

obtain necessary clearance.

Choke Rod Adjustment - With stat cover properly indexed (so that

scribed index mark is in line with long cast mark on the choke

housing) turn idle screw in until it contacts second step of

fast idle cam against shoulder of highest step. Holding the

screw tightly against cam, bend choke rod at dog leg until small

end of combination gauge (.073") slides easily between lower

edge of choke valve and bore of carburetor air horn.

Idle Engine Speed - 1 to 2-1/2 turns open. To make rich, turn

screw out. Idle at 475 R.P.M. (Standard transmission); idle

at 425 R.P.M., in neutral (Automatic transmission)

COOLING SYSTEM

Capacity - 16 Quarts (U.S. Measure)

11-1/4 Quarts, without heater (Imperial Measure)

Thermostat - In cylinder head water outlet

(U.S.) HARRISON No. 3123993 opens at approximately 150° F.

(Canada) Opens at 167° - 195° F.

Pressure Cap - AC No. 850501 4 pounds

WINDSHIELD WIPER - HORNS

Windshield Wiper - TRICO - Service Motor No. CPM-12-3

Wiper Arm (Both sides) AL-150

Blade (Both sides) RB-11

Linkage (Driver side) 87071-J (Early)

(Pass. side) 87070-J (Early)

(Driver side) 87071-IJ (Late)

(Pass. side) 87070-IJ (Late)

Horns - DELCO-REMY No. 1999631 Low note

No. 1999632 High note

ADDITIONAL SPECIFICATIONS

Gauges - AC

Temperature Gauge - No. 1512456

Oil Pressure Gauge - No. 1507701 (U.S. standard trans.)

No. 1507960 (Canada & U.S. auto. trans.)

Gasoline Gauge - Dash Unit No. 1517598

Tank Unit No. 1517761

Ammeter - No. 1501349

Speedometer - (U.S.) AC No. 1582029; Cable Type 603 - 58-5/8"

(Canada) AC No. 1582027; Cable Type CC-7 - 57-1/2"

Crankcase Capacity - 5 Quarts (U.S. Measure)

4-1/4 Quarts (Imperial Measure)

Recommended Tire Pressure - Cold - 24 pounds front and rear

Ignition Lock - BRIGGS & STRATTON

Key Series 8000 - 9499

Key Blank Part No. 32318

Lock Part No. (U.S.) 600896

(Canada) 600640

* * SERIAL NUMBER - (U.S.) On upper left front body hinge pillar

1001 and up.

(Canada) On top of cowl, under hood.

31011W00001 and up.

ENGINE NUMBER - On right side of engine block

(U.S.) 1001 and up

(Canada) 840001 and up