PACKARD Eight 1950

MODELS 2301, 2311

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





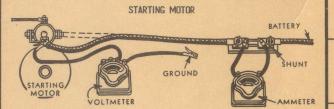
Standards of Adjustment **Automotive Electric Association**

ISSUED SEPTEMBER 1950

FORM NO. PA-61

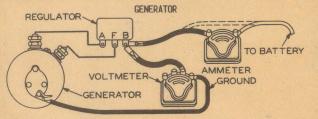
BATTERY & CABLES

AUTO-LITE Type PN-15ZR WILLARD Type SW-2E-100 CAPACITY - 100 Amp. Hour (20hr. rate) Positive Ground CABLES - PACKARD - Battery to Ground Cable - Length 24"; Gauge No. 1; Part No. IL-27 or IU-27. Battery to Switch Cable-Length 20"; Gauge No. 1; Part No. IL-23 or IU-23



AUTO-LITE No. MCL-6003 Bendix Drive - AUTO-LITE No. EBA-45; BENDIX No. A-1915
FREE RUNNING SPEED - 4900 Min. R.P.M. 65 Max.Amps.5.0 Volts
LOCK TORQUE (STALLED) - 8.0 Min. Ft. Lbs. 410 Max.Amps.2.0 Volts SOLENOID SWITCH - No. SS-4017

DELCO-REMY No. 1107943
Bendix Drive - DELCO-REMY No. 1878079; BENDIX No. A-1792 5.7 Volts FREE RUNNING SPEED - 5500 R.P.M. 65 Amps. LOCK TORQUE (STALLED) - 16 Ft. Lbs. 600 Amps. 3.0 Volts MAGNETIC SWITCH - No. 1452



AUTO-LITE No. GGW-6001E No. GGU-6001C (Conv. Coupe) Brush Spring Temsion - 35 - 53 oz. with new brushes Maximum Controlled Output: GGW - Cold - 40 Amps. 8.0 Volts at 1800 - 2000 R.P.M. of Gen. GGU - Cold - 45 Amps. 8.0 Volts at 1800 - 2000 K.P.M. of Gen. GGU - Cold - 45 Amps. 8.0 Volts at 1450 - 1650 R.P.M. of Gen. Rotation - Clockwise (viewing drive end) Regulation - Current and Voltage Regulator Cut-Out Relay - Combined with Regulator

DELCO-REMY No. 1102715 Brush Spring Tension - 25 oz. Cold Output: The following the following the following the following the following the following drive end)

Regulation - Current and Voltage Regulator

Cut-Out Relay - Combined with Regulator

GENERATOR REGULATOR

AUTO-LITE No. VRP-4402C (GGW) Current - Voltage Regulator Adjustment -Cut-Out Relay - Contacts close 6.4 to 6.9 volts; open at 4.1 to 4.8 volts. Armature air gap .031" to .034". Contact point gap .015" minimum.

Current Regulator - Armature air gap .048" - .052". Operating current (VRP-4402C) 39 to 41 amps. (VAV-4401B) 44 to 46

Voltage Regulator - Armature air gap .048" - .052". Operating voltage 7.35 plus or minus .15 volts at 70° F.



DELCO-REMY No. 1118360 Cut-Out Relay Current Regulator Voltage Regulator Air Gap .020" .075" .075" Opening .020" Checking 5.9 - 6.8 Volts 40 - 46 Amps. 7.0 - 7.7 Volts Range

Adjusting 6.4 Volts 42 Amps. 7.4 Volts Specs.

COMPRESSION - MANIFOLDS

Manifold Heat Control - Thermostatic control VALVE TIMING - Inlet valves open at 10° before top dead center with tappet set to .0125" clearance (inlet); .015" (exhaust).

SPARK PLUGS

AUTO-LITE Type P4 (Early) Gap .030"
Type A5 Gap .030" Size 10mm. Size 14mm. Gap .030" Gap .030" CHAMPION Type J-8 Size 14mm. Use Round Wire Gauge

IGNITION COIL

AUTO-LITE No. CE-4033; No. CR-4001A Servicing Coil No. CR-4001A Mounting Bracket on Coil DELCO-REMY No. 1115376

Servicing Coil No. 1115380

Oil Filled Type

HIGH TENSION CABLES

Ignition Cable Set - PACKARD No. 8B or 448B.

3 (5) H

DISTRIBUTOR AUTO-LITE No. IGP-4502B Firing Order - 1-6-2-5-8-3-7-4 Cam Angle 27°

Breaker Contact Gap .017" Breaker Contact Set Part No. IGP-3028KS

FIRING ORDER

Breaker Arm Spring Tension - 17 - 20 oz.

Condenser - Part No. 1G-2671K

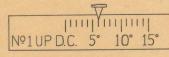
Capacity - .20 - .25 Mfds.

Automatic Advance - Start 0° at 300 R.P.M.;

Intermediate 3° at 600 R.P.M.; Maximum 8° at

1600 R.P.M. (Distributor degrees at distributor R.P.M. Tolerance + or - 1°) Vacuum Control - No. VC-2060N 5" - 7" hg. to start plunger travel; 6° - 8° distributor advance at 14" hg. - maximum.

IGNITION TIMING



USE TIMING LIGHT - Breaker contacts to open for No. I cylinder 60 before top dead center.

FUEL PUMP

AC - Combination Fuel and Vacuum Pump Type 508 Capacity - I pint or over in 45 seconds
Pressure - 4 lbs. minimum; 4-3/4 lbs. maximum
Vacuum Test - 8-1/2" hg. minimum at 180 R.P.M.
12" hg. maximum at 1800 R.P.M.

AIR CLEANER

AC - No. 1544246

CARBURETOR

CARTER - WGD-728SA Float Level-13/64" from float to bowl cover when needle is seated. Fixed Jets - Metering Rod - Standard Metering Rod Jet (2) Climatic Control - Set 2 points lean. Part No. 75-707 Part No. 120-159

Fast Idle Adjustment - With the thermostatic coil housing, gasket and baffle plate removed, crack throttle valve and hold choke valve closed. Then close throttle. There should now be .026 clearance between throttle valve and bore of carburetor (side

opposite idle port).
Unloader Adjustment - Hold throttle valve wide open and close
choke valve as far as possible without forcing; there should
now be 1/8" clearance between upper edge of choke valve and

inner wall of air horn.

Pump Adjustment-"42" as indicated on gauge T109-117S with throttle valves seated in bores of carburetor or 15/32" from top of dust

over boss to top of plunger shaft.

Metering Rod Adjustment - With the throttle lever set screw backed out and throttle valves seated in bores of carburetor, press down on vacu-meter link until metering rods bottom. With rods held in this position, revolve metering rod arm until lip

contacts vacumeter link.

Idle Engine Speed - I to I-I/2 turns open. OUT: To make rich. Do not idle engine below 450 R.P.M.

COOLING SYSTEM

Capacity - 18 Quarts (U.S. Measure)
Thermostat - HARRISON No. 3122282. In water outlet flange. Opens at
a temperature approximately 150° F.

WINDSHIELD WIPER - HORN

Windshield Wiper - TRICO - Service Motor No. CHM-1-19 Wiper Arm (Both sides) AL-150 Blade (Both sides) WLA-778-11"C Linkage (Driver side) G-81947-1 (Pass. side) G-81946-1

ADDITIONAL SPECIFICATIONS

Gauges - KING-SEELEY Temperature Gauge - Dash Unit No. 41645 Motor Unit No. 42550 Oil Pressure Gauge - Dash Unit No. 41640 Motor Unit No. 40767 Gasoline Gauge - Dash Unit No. 41635 Tank Unit No. 41678 Ammeter - No. 41650 Ammeter - NO. 41650 Speedometer - KING-SEELEY NO. 43150 (Standard) No. 43125 (DeLuxe) Cable - STEWART-WARNER NO. 96926 - 80-1/2" Standard No. 96926 - 85-1/2" Overdrive No. 415720 - 65" Automatic Transmission

Crankcase Capacity - 6 Quarts (U.S. Measure) Recommended Tire Pressure -

Cold - 26 lbs. front and rear Ignition Lock - BRIGGS & STRATTON Key Series P1251 - P1500 Key Blank Part No. 42106 Lock Part No. 50184

Horn Relay - DELCO-REMY no. 1116775

Over Drive Solenoid Control - DELCO-REMY No. 1118132 Contact opening on case and coil assembly - .022" - .040" when plunger is held against stop.

Current Draw:

Both windings - 26.2 - 28.4 amps. at 5 volts Hold-in winding - 1.2 - 1.4 amps. at 5 volts Serial Number - Left top side of cowl. Engine Number - On upper left side of block.



WIRING DIAGRAM



FORM NO. PA-61

