

PACKARD Eight 1955

CLIPPER DELUXE & SUPER



A. E. A.
TUNE-UP SYSTEM



Standards of Adjustment
Automotive Electric Association

ISSUED JUNE 1955

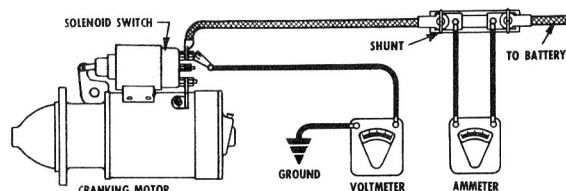
FORM NO. PA-76

BATTERY AND CABLES

AUTO-LITE Type 3EA-60-R3 Capacity - 60 Amp. Hour
WILLARD Type HDW-3KM-60 (20 hr. rate)
Positive terminal grounded

CABLES - PACKARD - Battery to Ground Cable - Length 19-1/4"; Part No. 1L-23 or 1U-23. Battery to Switch Cable - Length 37-1/4"; Part No. 1L-38 or 1U-38.

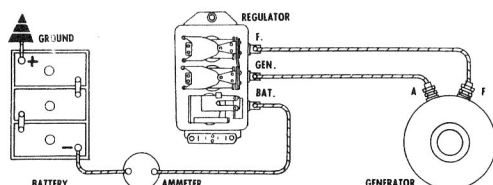
STARTING MOTOR



AUTO-LITE No. MDD-301

Drive - AUTO-LITE No. EBB-39; BENDIX No. A-3467
FREE RUNNING SPEED - 3200 Min. R.P.M. 60 Max. Amps. 10.0 Volts
LOCK TORQUE (Stalled) - 6.5 Min. Ft. Lbs. 210 Max. Amps. 4.0 Volts
CONTROL - Starting Switch No. SSW-4101

GENERATOR



AUTO-LITE No. GJC-6001A

Brush Spring Tension - 35 - 53 oz. with new brushes
MAXIMUM CONTROLLED OUTPUT:
Cold - 30 Amps. 15.0 Volts at 2050-2250 R.P.M.
Rotation - Clockwise (viewing drive end)

GENERATOR REGULATOR

AUTO-LITE No. VRX-6007A

Cut-Out Relay - Armature Air Gap .031"-.034". Contact point gap .015" minimum. Contacts close at 13.0 to 13.75 volts; open at 8.2 to 9.3 volts.

Current Regulator - Armature air gap .048"-.052". Operating current after 15 minutes operation at 10 amperes:

Temp. F.	50°	70°	90°
Ampers	30 - 34	28 - 32	26 - 30

Voltage Regulator - Armature air gap .048"-.052". Operating voltage in normal operation at 10 amperes (allowable variation \pm .30 volts):

Temp. F.	50°	70°	90°
Volts	14.68	14.58	14.44

COMPRESSION

VALVE CLEARANCE - Automatic Take-Up
VALVE TIMING - Inlet valves open at 14° before top dead center.

SPARK PLUGS

CHAMPION Type N-8B (3/4" reach) Gap .035"
Use Round Wire Gauge

IGNITION COIL

AUTO-LITE No. CAD-4001 Servicing Coil No. CAD-4001
Mounting Bracket On Coil

HIGH TENSION CABLES

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

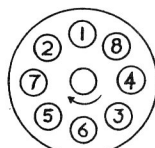
DISTRIBUTOR

AUTO-LITE No. IBJ-4001 (Early)
No. IBJ-4001B

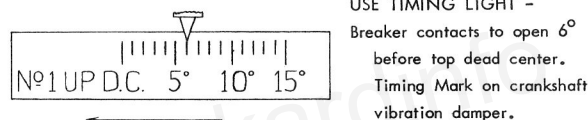
Firing Order - 1-8-4-3-6-5-7-2
Breaker Contact Gap - .017" \pm .002"
Cam Angle - 27° \pm 3°
Breaker Arm Spring Tension - 17 - 20 oz.
Condenser - Part No. 18B-2015L
Capacity - .25 - .28 Mfd.

Automatic Advance - Start 0° at 300 R.P.M.;
Intermediate 11° at 600 R.P.M.; Maximum 20° at 1200 R.P.M.
(Distributor degrees at distributor R.P.M.)

Vacuum Control - No. 1AZ-2023L 6" hg. to start plunger travel;
5.5° distributor advance at 10" hg., maximum.



IGNITION TIMING



USE TIMING LIGHT -
Breaker contacts to open 6°
before top dead center.
Timing Mark on crankshaft
vibration damper.

FUEL PUMP

CARTER - Combination Fuel & Vacuum Pump No. M20495

Capacity - 2 pints or over in 1 minute
Pressure - 3-1/2 lbs. minimum; 5 lbs. maximum
Vacuum Test - 10" hg. minimum at 500 R.P.M.

AIR CLEANER

AC - No. 1551032

CARBURETOR

CARTER - Model 2232S, 2284S

Float Level - Two separate float adjustments must be made.

Lateral Adjustment - With bowl cover assembly inverted, bowl cover gasket removed and float resting on seated needle, place float gauge directly under center of floats with notched portion of gauge fitted over edge of casting. Sides of floats should just clear vertical uprights of float gauge.

Vertical Adjustment - With float gauge in same position, floats should just clear horizontal portion of gauge. Vertical distance between top of float and machined surface of casting must be 1/8" for primary floats and 5/32" for secondary floats.

Fixed Jets -

Metering Rod, Standard (2232S Carb.)	Part No. 75-1163
(2284S Carb.)	Part No. 75-1170
Metering Rod Jet, Primary	Part No. 120-163
Secondary (2232S)	Part No. 120-218
(2284S)	Part No. 120-174

Climatic \oplus Control - Set 1-1/2 notches rich

Fast Idle Adjustment - Loosen choke lever clamp screw on choke shaft. Insert .020" feeler gauge between lip of fast idle cam and boss of flange casting. Hold choke valve tightly closed and take slack out of linkage by pressing choke lever toward closed position. Hold in place and tighten clamp screw. With choke valve tightly closed, tighten fast idle adjusting screw until there is .031" opening between

CARBURETOR Continued

throttle valve and bore of carburetor, side opposite idle port. Be sure fast idle adjusting screw is on high step of cam while making this adjustment.

Unloader Adjustment - With throttle wide open there should be 3/16" clearance between upper edge of choke valve and inner wall of air horn. Adjust by bending unloader lip on throttle shaft lever.

Pump Adjustment - Back out throttle lever set screw until throttle valves seat in bores of carburetor. Hold straight edge across top of dust cover boss at pump arm. Flat on top of pump arm should be parallel to straight edge. Adjust by bending throttle connector rod at lower angle.

Metering Rod Adjustment - Back out throttle lever set screw to allow throttle valves to seat in bores of carburetor and loosen metering rod arm clamp screw. With metering rods in place, press down on vacuumer link until metering rods bottom in carburetor body casting. Holding rods in downward position and throttle valves seated, revolve metering rod arm until finger on arm contacts lip of vacuumer link. Hold in place and carefully tighten clamp screw.

Idle Engine Speed - 1/2 to 1-1/2 turns open. Do not idle engine below 400 R.P.M.

COOLING SYSTEM

Capacity - 26 Quarts without heater (U.S. Measure)
Thermostat - In top of cylinder head. Opens at 167° - 173° F.
(Standard); 177° - 182° F. (High reading).
Pressure Cap - 12 lbs.

WINDSHIELD WIPER

TRICO -
Service Motor No. CPD-1-3
Wiper Arm (Driver side) 88861-2C
(Pass. side) 88860-2C
Blade (Both sides) RB-12-2
Linkage (Driver side) G-88731-1C
(Pass. side) G-88730-1C

ADDITIONAL SPECIFICATIONS

Gauges - KING-SEELEY
Temperature Gauge - Dash Unit No. 46927
Motor Unit No. 44235
Oil Pressure Switch - Motor Unit No. 47195
Gasoline Gauge - Dash Unit No. 46924
Tank Unit No. 44517
Voltage Regulator for Gauges - No. 45677
Speedometer - KING-SEELEY No. 48881
Crankcase Capacity - 7 Quarts (U.S. Measure)
Recommended Tire Pressure -
Cold - 24 lbs. front and rear
Ignition Lock - BRIGGS & STRATTON
Key Series P1251 - P1500
Key Blank Part No. 42106
Lock Part No. 50184

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

Original equipment service parts and accurate work
to manufacturers' specifications with proper tools
and equipment will restore original performance.

