ı	
A.E.A.	
A.L.A.	
Tune-Up System Chart	
1937 Hudson Eight	
Models 74, 75, 76, 77	

HUDSON Eight 1937 Model 74, 75, 76, 77 Serial No. (see reverse side)

No. (see reverse side) * *

DISTRIBUTOR

SS

SPARK PL



Standards of Adjustment Automotive Electric Association

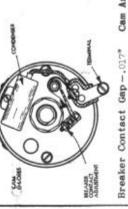
Issued September 1937 Form No. HU-18

IGNITION TIMING

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Breaker-Arm Spring





(E)

0

Cam Angle - 27.5° Breaker Contact Gap -. 017"

> No. IGP-4008A Firing Order

8-3-7-4

ter Type

For Cooler or Hott Consult Champion Op Fange Chart Champion Type

Auto-Lite

Size 14mm. Gap .025"

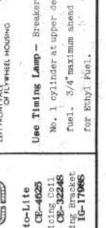
Original Equipment

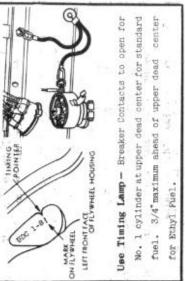
3-8

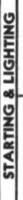
Automatic Advance - Full Automatic - 17.5° at 1700 R.P.M. (Maximum advance in distributor degrees at distributor R.P.M.) Condenser - Part No. 16-2871 Capacity -. 20 - . 25 Mrds. Rotation - Clockwise (viewed from top of distributor) Adjustment - Loosen hold down arm clamp

Servicing Coil No. CE-32248 Mounting Bracket No. IG-17985 No. CE-4625 Auto-Lite

for Ethyl Fuel.





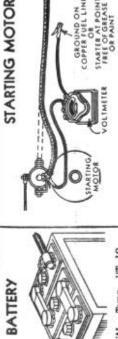


BATTERY

Third Brush Adjustment

GENERATOR

TO BATTERY



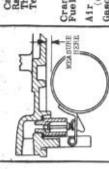
Capacity - 108 Amp. Hour (20 hr. rate) Location - On left hand side at front of engine compartment. terminal HT-19 NATIONAL - Type Ground: Positive grounded.

Drive - Bendix. Part No. EHA-5 Free Running Speed - (without Bendix) 4200 Min. R.P.M. 55 Max, Amps. 5.5 Volts GROUND ON COPPER FUEL LINE STARTER AT POINT FREE OF GREASE OR PAINT AUTO-LITE No. MAB-4075 VOLTMETER

Lock Torque (Stalled) (without switch) 22.5 Ft. Lbs. 775 Amps. 4.0 Volts No. SS-4000 Control - Solenoid Starting Switch

CARBURETION

COOLING, FUEL & OIL SUPPLY Capacity - 20 Qts. (U.S. Mess.)
Radiator Flow - 23.4 Gals. per Min. (U.S.)
Thermostat - In cyl. head outlet. 5*
Temperature Gauge - Ming-Seeley - Dach Unit No. 6190.
Motor Unit No. 5700. Rotation - Closkwise (viewing drive end)
Regulation - Third Brush and Vibrating Voltage Regulator Cold-24 to 26 Amps. 6.0 Volts Cooling System GENERATOR AT A POINT FREE OF GREASE OR PAINT ator) Be Regulator No. VRD-4003A, VRD-4003B Be Cut-Out Relay - (combined with regulator Brush Spring Tension - 53 oz. (Maximum) FUEL LEVEL Maximum Output Safe Setting: VOLTMETER AUTO-LITE No. GCJ-4803A GENERATOR THERMOSTAT



Float Level - 15/64* needle seated.

Crankcase - Capacity 7 Qts. (refill U.S., Fuel Feed - Mechanical Pump AC Air Cleaner - AC 011-Wetted (with allenear) No. 1528160.7* Gasoline Gauge - King-Seeley King-Seeley Dash Unit No. 6190 10* Tank Unit No. 5835 Speedometer - Stewart-Warner Vacuum-Operated Devices: Windshield Wiper-Trico Service Motor (closed) No

SK-25 gasket,

Printed in U. S. A.

TIMING

CLEARANCE

VALVES

at 10° 40' before Intake Valves Open Tappet Lash for tim-.010" Hot. top dead center. ing:

Intake -.006" Exhaust -.008"

Engine Hot

USE NEW FEELER STOCK FOR EACH JOB

Idle Adjustment - 1/4 to 3/4 turns open. To idle at 8 M.P.H. 5*
To make richer, turn screw UUT. CARTER-Model 344S, 377S 4* TYPE-Dual Downdraft

Seasonal Adjustment - Set tolongest stroke for cold weather driving, center hole for moderate weather, short stroke Fixed Jets - Metering Rod - Standard Metering Rod - 1 size lean Westher driving, for hot

below edge of casting Remove cork with

(Part No.

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With engine and coolan normal operat

Form No. HU-18

ADDITIONAL DATA

IGNITION LOCK



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

On plate on right hand front door hinge wheelbase) 741C1 and up Detroit. 74C101 and up wheelbase) 76101 and up Detroit, 760101 and up wheelbase) 75101 and up Detroit. 750101 and up SERVICE MANUAL for more complete information, * Serial Number - pillar. Deluxe (182" w Canada. Carada. Deluxe (182" w Carada. Deluxe (182" w Carada. Carada. Carada. Carada. Carada. Carada. Carada. * Consult A.E.A.

Engine Number - Stamped on top of cylinder block left hand side. No. 18000 and up.

3 * Carburetor Fast Idle Adjustment - Hold choker valve tightly closed and adjust fast idle arm screw to give .018" opening between edge of throttle valve and bore of carburetor side Dapoeite port.

KEY BLANK PART NO. LOCK PART NO. KEY SERIES wheelbase) 77101 and up Detroit, 770101 and up

H801 - H1100 42755 Briggs & Stratton

RECOMMENDED SERVICE TOOLS

Vacuum Gauge Timing Lamp

Low Range Voltmeter Compression Gauge

AC Fuel Pump Analyzer No. 1521551 Carter Carburetor Tools Feeler Stock

4 * Carburetor - Carter Model 3775 used after car serial No. 743172 (Model 74). After car serial No. 751997 (Model 75). After car serial No. 78838 (Model 75). After car serial No. 78838 (Model 77). 5 * Thermostat - Opens at 150° F.

6 * Fuel Pump - Usi

ting AC Fiel Pump Analyzer No. 1521551. PACITY -1 pint or over in 45 seconds. ESSURE -4-1/2 Lbs. Maximum.

8 * Voltage Regulator — Before test checks: Circuit breaker air gap between core and armsture with points open.034 to .038"; contact point gap .015" min. Voltage regulator armsture air gap with points just breaking .060" to .065"; point gap with armsture against stop pin. 0.00" to .020" to .020" to .065"; point gap with armsture against stop pin. 0.00" to .020" to .020" to .020" and die wire regulator and contact test ameter in series between the terminal and the wire regulator and the craminal. Contact the test voltater across the regulator base and "GB" terminals or if there is no "GB" terminal to the regulator base and "GB" terminals or if there is no "GB" terminal to the regulator base dequivalent to 30 M.P.H. for several minutes until the voltage remains constant the unit while balancing voltage and taking test readings. Several minutes at 6.4 to 7.0 volts; opens at .5 to 3.0 amperes discharge. Voltage regulator operators at 7.7 to 8.2 volts. 7 * Air Cleaner - Cars without Electric Gear Shift, AC No. 1528161.

0 * Temperature Gauge - No. 6190 used on first production has black disl.

10 * Gasoline Gauge - No. 6190 used on first production has black disl. No. 6570 used on later production has brown disl.

11 * Speedometer -