

1929



H U D S O N

TECHNICAL INFORMATION HANDBOOK

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1929 Hudson

General Chassis Data

Series	Serial Number.	CYL	Bore x Stroke	CID	NACC HP	WB
R	825407 thru 893401	6	3½ x 5	288.6	29.4	122½
L	41384 thru 46598	6	3½ x 5	288.6	29.4	139

General Body Data

Model 'R'	FP	Model 'L'	FP
5-Pass. Standard Sedan	\$1175	4-Pass. Sport Phaeton (DC)	\$2200
5-Pass. Coach	1095	5-Pass. Club Sedan	1850
4-Pass. RS Coupe	1195	7-Pass. Sedan	2000
5-Pass. Conv. Coupe	1450	7-Pass. Limousine	2100
5-Pass. Phaeton	1350	7-Pass. Phaeton	1600
5-Pass. Town Sedan	1375		
5-Pass. Club Sedan	1850		
5-Pass. Victoria	1500		
5-Pass. Landau Sedan	1500		

Electrical Equipment: AUTO-LITE

Starter : MUA-4011 - 1927-1929 Hudson all
 Generator : GAB-4008 - 1928-1929 Hudson all (see 1927 Hudson)
 Regulator : CB-4014 - 1927-1929 Hudson
 Distributor : IGA-4058 - 1929 Hudson
 Ignition Coil : CE-4065 - 1929 Hudson; 1929 Essex

Fuel System

Carburetor (Marvel): VB-10-725 - 1929 Hudson

Shipments

71,179

Notes

- 1) Body suppliers: Briggs - Town Sedan, 5-Pass. Phaeton, Conv. Coupe Biddle & Smart - Landau Sedan, 7-Pass. Sedan, Club Sedan, DC (Dual Cowl) Sport Phaeton, 7-Pass. Phaeton.
- 2) Grafen Listing: Series R: s/n 825407 through 871399 ('R') - 1st series;
Series R: s/n 861400 through 893401 ('R') - 2nd series;
Series L: s/n 41384 through 44399 ('L') - 1st series;
Series L: s/n 44400 through 46598 ('L') - 2nd series
- 3) 1st Series (orig. 2nd Series) intro'd Jan 1929; 2nd Series (orig.. 1st Series 1930) intro'd July 1929 - See "The History of Hudson", Butler, for explanation of this policy
- 4) Starter MUA-4001 used on RHD Models.

REVISED JANUARY, 1929

Mechanical Specifications for Hudson Super Six 1929 Models

122 – 7/16" Wheel Base Car Serial No. 825,407 to _____

ENGINE

Make	Hudson	Piston Displacement	288
Model	Super-Six	Suspension	4 Point
No. of Cylinders	6	Type of Head	F
Cylinder Arrangement	Vertical	Cylinder head	Detachable
Bore	3½"	Cylinders cast	En Bloc
Stroke	5"	Crankcase	Separate
Rated H.P.	29.4	Upper half	Aluminum
Firing order	1-5-3-6-2-4	Lower half	Pressed Steel

CAMSHAFT DRIVE

Type of drive	Chain	No. of links	63
Make	Morse	Pitch	½"
Type	No. 28	Adjustment	Adjustable eccen.
Width of chain	1½"	Sprocket material	Cast iron
Camshaft sprocket	42 teeth		

CAMSHAFT BEARINGS

No. of bearings	4		
No. 1 (front) diameter	2-19/32"	No. 3 diameter	2-5/16"
No. 1 length	1-5/8"	No. 3 length	1-1/16"
No. 2 diameter	2-11/32"	No. 4 diameter	1½"
No. 2 length	1-1/16"	No. 4 length	1-3/4"

VALVES

	<i>Inlet Valve</i>	<i>Exhaust Valve</i>
Head material	Silicon steel	Silicon steel
Head diameter (outside)	2-1/32"	1-27/32"
Head diameter (opening)	1-7/8"	1-5/8"
Stem length	6"	6-3/4"
Stem diameter	.373	.371
Stem type of end	Grooved	Grooved
Tappet (type)	Roller	Roller
Tappet clearance	.004 - .006	.006 - .008
Valve lift	11/32"	15/64"
Valve stem guides	Removable	Removable
Spring pressure	96 lbs.	75 lbs.

CRANKCASE AND CRANKSHAFT

No. of main bearings	4	Crankpin diameter	2¼"
No. 1 (frt.) diameter	2-3/8"	Main bearing material	Bronze & babbitt
No. 1 length	2-9/16"	Main bearing end play	.006-.012
No. 2 diameter	2-13/32"	Main bearing clearance	.0015-.002
No. 2 length	1-1/8"	End thrust on	Rear center brg.
No. 3 diameter	2-7/16"	Sprocket	21 teeth
No. 3 length	2 -1/8"	Material	Steel
No. 4 diameter	2-11/32"		

CONNECTING ROD

Material	D. F. steel	Lower end bearing clearance	.0015-.002
Weight	2.8 lbs.	Length	2"
Length C. to C.	11.625	Clearance (endwise)	006-.010
Lower end bearing – Diameter	2.25"	Material	Bronze & babbitt

PISTON

Type	Lynite Control		
Material	Aluminum with steel struts	Distance between bores	1-3/ 8"
Weight	20 ounces	Clearance skirt	.002"
Length	4-1/16"	Depth of grooves	5/32"
Pin center to top	2¼"		
Middle groove	Drilled radially	4 holes	3/32" diameter
Lower groove	Drilled radially	10 holes	3/32" diameter

PISTON RINGS

Material	Cast iron	No- of rings above pin	3
No. per piston	3"	Type of joint	Mitre
Width	1/8"	Gap clearance	.006 .008
No. of comp. rings	1	No. of oil control rings	2

PISTON PIN

Type	Floating	Bushing outside dia	1.283
Diameter	1.0937	Bushing inside dia	1.0937
Length	2-11/16"	Bushing length	1-1/8"

LUBRICATING SYSTEM

Type	Circulating splash
Oil pump type	Plunger
Stroke of pump	Not adjustable
Capacity-oil reservoir only	7 quarts
Capacity-oil reservoir and troughs	9 quarts
Mesh of screen	50
Oil recommended	Medium heavy-Use low cold test in winter

COOLING SYSTEM

Type	Centrifugal pump
Radiator-make	Harrison
Core type	Ribbon cellular
Radiator shutter - type	Pressed steel - Vertical
Shutter control type	Manual
Capacity of cooling system	5½ gallons
Radiator hose - upper - diameter	1½"
Radiator hose - upper -length	7"
Radiator hose - lower - diameter	1½"
Radiator hose - lower - length	10½"
Fan belt	"V" type
Fan-make	Hudson
Fan bearing type	Plain

FUEL SYSTEM

Carburetor - make	Marvel VB-10-725
Carburetor -size	1½
Fuel feed type	Vacuum tank
Make of vacuum tank	Stewart
Air cleaner-type	A. C.
Gasoline tank capacity	18¾ gallons
Method of heating mixture	Marvel heat control

EXHAUST SYSTEM

Muffler-make - Hudson	Exhaust pipe diameter 2¼"
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IGNITION SYSTEM

Make	Auto-Lite Corporation
Current source	Battery and generator
Spark control type	Semi-Automatic
Firing order	1-5-3-6-2-4
Timing	10 degrees BDC fully advance
Breaker point gap	.020
Ignition coil make	Auto-Light
Spark plug- make	A. C. Titan
Spark plug- type	Short
Spark plug -size	Metric 18 m/m, 1.5 m/m thread
Spark plug-gap	.025 - .028

Note: Any other information must be obtained from the Manufacturer.

STARTER MOTOR

Make - Auto-Lite Corporation	MUA-4011
Drive type	Manual - sliding gear
No. of teeth on flywheel	118
Width of tooth face	¾"
Pinion meshes from	Front of flywheel

Note: Any other information must be obtained from the Manufacturer.

GENERATOR

Make - Auto-Lite Corporation	GAB-4008
Normal charging rate - hot	13 amperes
Normal charging rate - cold	17 amperes

Note: Any other information must be obtained from the manufacturer

BATTERY

Make	Exide	Terminal grounded neg.	
Type	3-X1-15-1-G	Length-overall	10¼"
Voltage	6	Width-overall	7-1/8"
No. of plates	15	Height of box	7-7/8"
		Height over terminal	9"

LIGHTING SYSTEM

Head side and tail lamps-make	John Brown Lamp Co,
Head side reflector-make	John Brown Lamp Co.
Head and side lamp type	Bullet
Head lamp lens-type	Parabeam
Head lamp lens-diameter	10"
Head lamp dimmer method	Separate filament
Dash and tail lights connected	Separate
Ammeter-make	National Gauge & Equipment. Co.
Lighting switch control	On steering wheel
Ignition switch-type	Electrolock

LAMP BULB SPECIFICATIONS

	<i>Make</i>	<i>Mazda No.</i>	<i>CP</i>	<i>Base</i>	<i>Voltage</i>
Head	Mazda	1110	21-21	D. C.	6-8
Side	Mazda	63	3	S. C.	6-8
Tail	Mazda	63	3	S. C.	6-8
Dash	Mazda	63	3	S. C.	6-8
Stop	Mazda	87	15	S. C.	6-8
Dome	Mazda	63	3	S. C.	6-8

HORN

E. A. Horn	Vibrator type
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CHASSIS

Wheelbase	122-7/16"
Lubricating system	Oil cups-wick
Overall length with bumpers	16'
Location of serial number	Frame rear cross member R. H. end

TRANSMISSION

Make	Hudson	Pocket bearing	Bronze bush.
Location	Unit	Reverse idler	Hyatt No, 16820
Speeds	3 forward, 1 reverse	Main shaft - front	N. D. 1308
Gear ratio-low	3.04 to 1	Main shaft-rear	Hyatt No. 16684
Gear ratio- second	1.81 to 1	Countershaft - front	Hyatt No. 16506
Gear ratio- high	1 to 1	Countershaft - rear	Hyatt No. 16506
Gear ratio - reverse	3.69 to 1	Countershaft - rotates	
Type of lubricant	Light transmission oil	Pilot bearing in crankshaft	N. D. No. 1204
Oil capacity (approx.)	1½ quarts		

CLUTCH

Make	Hudson	Facing material	Cork inserts
Type	Single disc in oil	Throwout brg.	Nice No. 0210
No. cork inserts	144	Throwout	5/32"
Lubrication	3/4 pt. (Mixture 1/8pt. motor oil and 1/8 pt. kerosene)	Clearance at floor board	3/4"

UNIVERSALS

Front - make	Spicer	Rear - make	Spicer
Front type	Metal	Rear -type	Metal

TYPE OF DRIVE

Propulsion through rear springs.

REAR AXLE

Make	Hudson	No. of teeth in pinion	12 (4-5/12 to 1)
Type	Semi-floating	No. of teeth in pinion	13 (4-1/13 to 1)
Gear ratio	4-5/12 and 4-1/13 to 1	No. of teeth in gear	53
Type of drive	Spiral bevel	Pinion	Adjustable
Min. road clearance	8"	Pinion hearing	Adjustable
Clearance for jack	10 1/4"	Oil capacity (approx.)	2 1/2 quarts
Differential -make	Hudson	Type of lubricant	Diff. oil.
Pinion bearing	Front	Timken 3196 and 3120	
Pinion bearing	Rear	Timken 439T and 432	
Differential bearing	Right	Timken 377 and 3720	
Differential bearing	Left	Timken 377 and 3720	

FRONT AXLE

Make	Hudson	Toe in - none - or not over 1/8"	
Section type	I-beam	Castor angle	1 degree backward
End type	Rev. Elliott	Min. road clearance	8"
King pin thrust bearing	Special thrust	Clearance for jack	6 3/4"
King pin transverse inclination		6 1/2 degrees	
Spindle transverse inclination		2 1/2 degrees	

STANDARD BRAKES

Type of standard brakes	Bendix 4-wheel brakes
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SERVICE BRAKE

Location	Front and Rear wheels	Lining length per wheel	3 pieces 30-1/4"
Make	Bendix	Width of lining	2"
Type	Internal	Thickness of lining	3/16"
Total braking area	242 sq. in.	Clearance of lining	.010
Drum diameter	Front and Rear 14"	Method of application	Front pedal

HAND BRAKE

The hand lever operates the rear wheel brakes independently of the foot pedal and should be used for parking, especially when car is standing on an incline

WHEELS

Type	Wood-steel felloe
Make	Motor Wheel Corp.
Front wheel inner bearing	Timken No. 415 and 412A
Front wheel outer bearing	Timken No. 315 and 312
Rear wheel bearing	Timken No. 458T and 454

RIMS

Type	Split	Diameter	19"
Make	Firestone	Width	4½"

TIRES

Size	31 x 6.50 (139" W.B.)
	31 x 6.00 (122-7/16" W.B.)
Make	Goodyear
Number of plies	4
Recommended pressure	35 lbs. Rear 38 lbs.

STEERING GEAR

Make	Gemmer
Type	Worm and roller disc
Ratio	20 to 1
Steering wheel turns	2¾ (full swing left to right)
Turning radius	20 feet
Lubricant	Heavy bodied gear oil

SPRINGS

	<i>Front Spring</i>		<i>Rear Spring</i>
Type	Semi-elliptic	Type	Semi-elliptic
Length	39 "	Length	57-11/16"
Width	2¼"	Width	2¼"
No. of leaves	9	No. of leaves	10
Material	Spring steel	Material	Vanadium steel
Front bushing	11/16" diameter	Front bushing	¾" diameter
Rear bushing	11/16" diameter	Rear bushing	11/16" diameter
Bushing material	Phosphor bronze	Bushing material	Phosphor bronze
Spring lubrication	Motor oil		
Shackles-type	Adjustable		

FRAME

Make	Hudson	Depth	7"
Material	Steel	Thickness	3/16"
		Width of flange	2¼"

HUDSON SUPER SIX

Gear Ratios and Rules for Comparing Speed in Miles per Hour with Motor R. P. M.

122-7/16" Wheel Base Car Serial No. 825,407 to _____

TO OBTAIN MOTOR R. P. M. FOR ANY DESIRED SPEED IN MILES
PER HOUR

Note: The following rule No. 1 is good only for a gear ratio of 4 5/12 to one and with wheel diameter of 31 inches.

Rule No. 1 - M. P. H. Multiplied by 47.5 = Motor R. P. M. (approx.)

Example what is the R. P. M. at 40 miles per hour?

Answer - 40 multiplied by 47.5 = 1900 R. P. M. (approx.)

The following rule No. 2 is good only for a gear ratio of 4 1/13 to one and with wheel diameter of 31 inches.

Rule No. 2 - M. P. H. multiplied by 44 = Motor R. P. M. (approx.)

TO OBTAIN SPEED IN MILES PER HOUR FOR ANY DESIRED MOTOR R. P. M.

Note: The following rule No. 3 is good only for a gear ratio of 4 5/12 to one and with wheel diameter of 31 inches.

Rule No. 3 - R. P. M. divided by 47.5 = Speed in miles per hour (approx.)

Example-what is the speed at 2400 R. P. M.

Answer-2400 divided by 47.5 = 50 M. P. H. (approx.)

The following rule No. 4 is good only for a gear ratio of 4 1/13 to one and with wheel diameter of 31 inches.

Rule No. 4 - R. P. M. DIVIDED by 44 = Speed in miles per hour (approx.)

Gear Ratios ---To obtain the number of revolutions of the motor required for one revolution of the rear wheel, multiply the transmission ratio by the rear axle ratio.

Example-3.04 (low gear ratio) x 4.42 (rear axle ratio) = 13.528. Revolutions of the motor to one revolution of rear wheel.

The following list shows the various motor to wheel ratios worked out as above for Super Six cars:

	Trans. Ratio	Rear Axle Ratio	Motor Revs.	Wheel Revs.
With transmission in low	3.04	4.42	13.437	1
With transmission in second	1.81	4.42	8.	1
With transmission in high	1.	4.42	4.42	1
With transmission in reverse	3.69	4.42	16.31	1

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Hudson Super Six Standard Equipment 1929 Models

122-7/16" Wheel Base Car Serial No. 825,407 to _____

139" WHEEL BASE

*7-Pass. Phaeton**7-Pass. Sedan**5-Pass. Sport Phaeton**5-Pass. Club Sedan*

122-7/16" WHEEL BASE

*Coach**Std. Sedan**Std. Coupe**Convertible. Coupe**Town Sedan**Landau Sedan**Victoria**Roadster**5-Pass. Phaeton*

W/S Cleaner- make	Trico vacuum	ALL MODELS
Cowl Ventilator		ALL MODELS
Engine heat indicator on instrument board		ALL MODELS
Gasoline gauge – on instrument board		ALL MODELS
Oil resevoir gauge – Electric – on instrument board		ALL MODELS
Wheels	122-7/8" Wood	ALL MODELS EXCEPT VICTORIA
	139" – Wire	ALL MODELS
Smoking Set		ALL MODELS, EXCEPT COUPE, CONVERTIBLE COUPE PHAETON, ROADSTER
Cigar Lighter		TOWN SEDAN, LANDAU SEDAN, VICTORIA
Sun visor		ALL MODELS EXCEPT PHAETON, ROADSTER
Radiator shutters		ALL MODELS
Rear traffic signal	.	ALL MODELS
Com. tail and stop light	John Brown Lamp Company	ALL MODELS
Cowl lights	.	ALL MODELS
Rear vision mirror		ALL MODELS
Ignition electrolock		ALL MODELS
Speedometer - make	Stewart-Warner	ALL MODELS
Spare rim	One	ALL MODELS
Horn - make	E. A	ALL MODELS
Headlamps - make	John Brown Lamp Company	ALL MODELS
Tire carried in R. H. front fender well		ALL MODELS
Storage battery - make	"Exide"	ALL MODELS
Shock Absorber make	Wahl	ALL MODELS
Trunk		VICTORIA
Trunk Rack		ALL MODELS EXCEPT VICTORIA, CLUB SEDAN, SPORT PHAETON

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Hudson Super Six Body Details 1929 Models

122-7/8" Wheel Base Car Serial No. 825,407 to _____

	<i>5-Pass. Phaeton</i>	<i>Landau. Sedan</i>	<i>Victoria</i>	<i>Std. 5-Pass. Sedan</i>	<i>Town Sedan</i>
Weight		3825		3785	
No. of doors	4	4	2	4	4
No. of passengers	5	5	4	5	5
Seat arrangements	Std	Std.	Right front seat folding	Std.	Std.
Gear ratio	4 5/12 or 4 1/13	.	..	ALL MODELS	
Make of body	Briggs	Biddle & Smart	Biddle & Smart	Own	Briggs
Framework mater.	Steel	Wood	Wood	Steel	Wood
Body panel mater.	Steel	Aluminum	Aluminum	Steel	Aluminum
Wheels type	Wood			ALL MODELS	
Tire size	31 x 6.00			ALL MODELS	
Tire type front	4 ply			ALL MODELS	
Smoking set	No	Yes	Yes	Yes	Yes

1929 HUDSON Super Six
Serial Number 825415 up
Auto-Lite Electrical System

BATTERY: - Exide, Type 3-XI-15-IG, 6 volt. The negative (-) terminal is grounded. Starting capacity (20 minute rate) is 114 amperes for 20 minutes. Lighting capacity (5 ampere rate) is 5 amperes for 20 hours. Battery is mounted under the left front seat.

IGNITION: - Coil Model IG-4065. Coil is mounted on the front of the engine block. Ignition current is 1-3 amperes at 6 volts with engine running and 3.4-5 amperes at 6 volts with engine stopped.

Distributor Model IGA-4058. Breaker contacts separate .018-.020". Set contact gap by loosening lock nut on stationary contact mounting stud and turning up stud until correct gap is secured with breaker arm on lobe of cam. Resurface contacts when necessary with a fine flat contact file or on a medium hard oilstone. Breaker arm spring tension is 16-20 ounces. Distributor is semi-automatic. Maximum manual advance is 28 degrees (engine). Automatic advance begins at 600 R.P.M. of engine. Maximum automatic advance is 36 degrees (engine) reached at 3200 R.P.M. Electrolock ignition switch is standard equipment.

Mounting: - Distributor is mounted on the crank case at the right of the engine. To remove distributor, disconnect manual advance rod and remove distributor head with cables intact. Then disconnect Electrolock at dash and take out two bolts in distributor mounting flange. Then lift distributor out and remove with Electrolock as a unit. The Electrolock can be removed from the distributor by taking off the nut on the terminal stud inside the case and pulling the Electrolock cable, ferrule and stud straight out from the distributor housing.

Oiling: - Put 6 or 8 drops of light engine oil in the oiler on the side of the distributor housing each 500 miles. Each 250 miles put one drop of oil on the breaker arm pivot pin. Every 5000 miles remove the distributor head and rotor and put a small bit of vaseline on the face of the breaker cam.

Timing: - Breaker contacts begin to open when the piston entering power stroke reaches a position 3 teeth on the flywheel before top dead center with the manual spark control fully advanced. To set timing, crank engine over until piston No. 1 enters compression stroke (the up stroke with both valves closed). Fully advance manual spark control lever. Continue to crank engine until the punch mark on the flywheel (which is three teeth before the top dead mark 'DC-1-6') is opposite the pointer on the inspection hole in the left side of the flywheel case. Then loosen the advance arm clamp screw and rotate the distributor until contacts begin to open. Tighten the clamp screw and

Timing (Cont'd)

connect the segment opposite the rotor to the spark plug in cylinder No. 1. Connect the remaining spark plugs in order 5-3-6-24 clockwise around the distributor head.

Firing Order: - The firing order is 1-5-3-6-2-4.

Spark Plugs: - Spark plugs are 18MM. Metric. Gaps are .025".

VALVE TIMING: - **INLET VALVES:** - Head diameter, 2-1/32". Stem diameter, .373". Stem length, 6". Valve lift, 11/32". Spring pressure, 96 pounds. Tappet clearance, .004-.006".

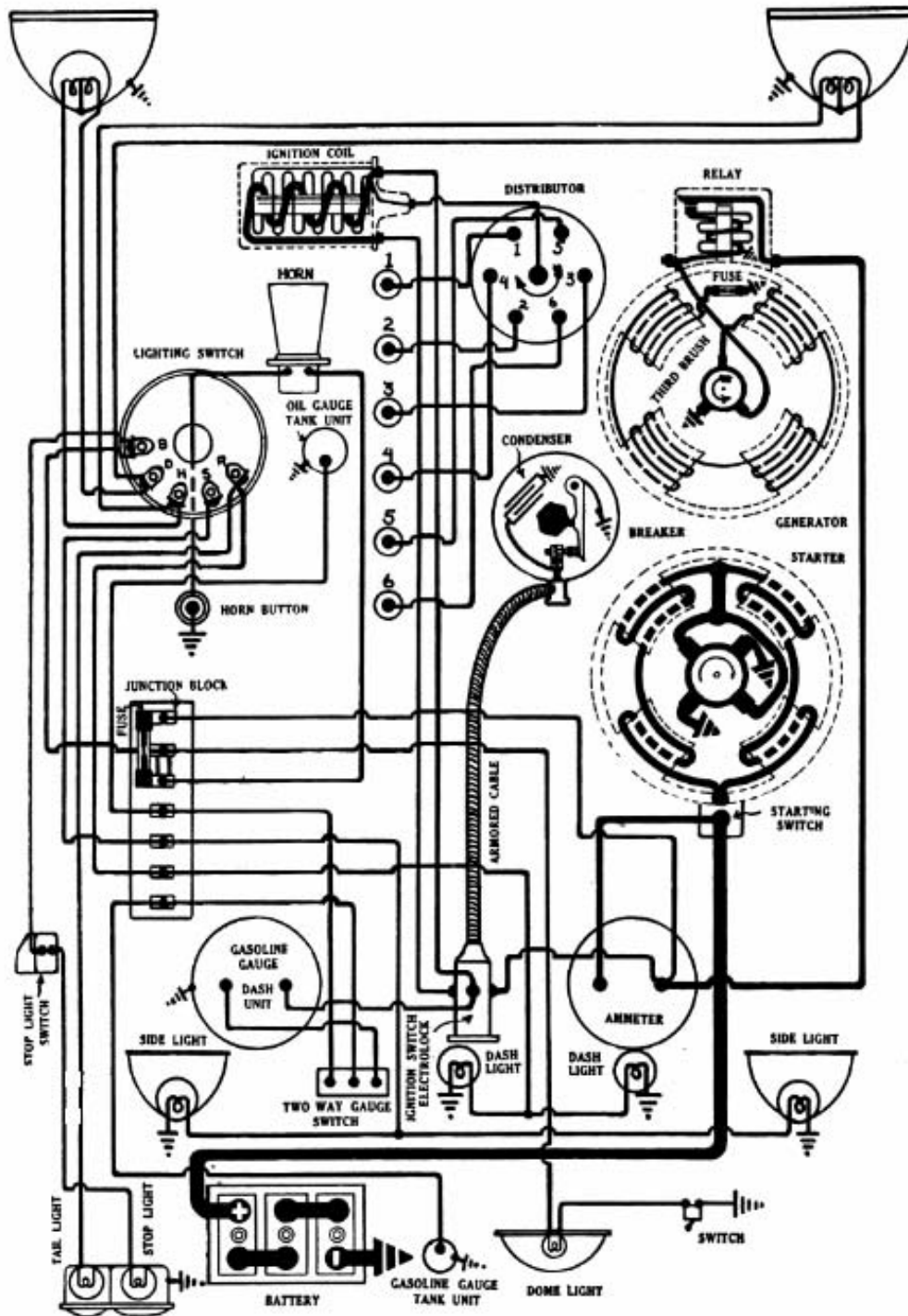
EXHAUST VALVES: - Head diameter, 1-27/32". Stem diameter, .373". Stem length, 6-3/4". Valve lift, 19/64". Spring pressure, 75 pounds. Tappet clearance, .006-.008". Valve stem guides are removable. Over-size valves are not made.

Valve Timing: - Inlet valves open 7 degrees after top dead center with the piston 5/64" down on the intake stroke. To check valve timing, crank engine over until No. 1 piston is on top dead center entering power stroke. Set tappet clearance of No. 1 inlet valve at .004" Then turn engine over one complete revolution and stop with the piston 7 degrees past top dead center with the flywheel mark '1.0' directly opposite the indicator in the inspection hole in the front face of the flywheel housing at the left of the engine. The tappet clearance should be taken up and No. 1 inlet valve about to open at this point.

To Adjust Timing Chain. Timing chain is adjusted by rotating the eccentric accessory shaft mounting. To take up timing chain, take out the three flange mounting bolts and rotate the flange in a clockwise direction (facing forward) by means of a special wrench until there is approximately 1/8" movement on the circumference of the coupling between the water pump and the generator. Replace the mounting bolts. If it is necessary to shift the flange to line up the bolt holes, back off the adjustment slightly.

To Set Valve Timing: - Sprockets and chain are marked. In assembling chain (with chain adjustment turned to minimum position), mesh chain teeth opposite the two marked pins on chain between the two marked sprocket teeth on each sprocket.

STARTER: - Model MUA-4001. Starter is connected to the engine through a sliding gear shift interconnected with the starting switch. Pressing down on the starting pedal meshes the gears and closes the starting switch. When the pedal is released a spring reverses these operations. The direction of rotation is



1929 Hudson Super Six
 Serial Number - 825415 up

Starter (Cont'd)

clockwise, viewed from the commutator end. Brush spring tension is 1-3/4-2-1/4 pounds. Starter cranks the engine at 110 R.P.M. drawing 250 amperes at 5.5 volts.

Starter Data

Torque	R.P.M.	Volts	Amperes
0 lb. ft	4200	6	50
2 "	1500	5.3	130
4 "	1000	5.0	200
6 "	600	4.6	275
8 "	450	4.2	340
22 "	Lock	3.5	500

Mounting: - Starter is cradle mounted on special mounting bracket at the right of the engine. The starting switch is built in the bracket. To remove starter, loosen the mounting clamp band and lift starter from place.

Oiling - Starter bearings are oilless. They require no attention.

GENERATOR: - Model GAB-4008. The direction of rotation is counter-clockwise, viewed from the commutator end. Generator current regulation is by third brush shunt field. To adjust generator output, remove the commutator cover band and shift the third brush mounting plate by tapping on the mounting stud with a screwdriver. Shift the third brush in a counter-clockwise direction to increase the charging rate and in the opposite direction to decrease the charging rate. The brush is held in position by friction between the mounting stud and the end plate. With standard car setting, maximum charging rate is 15 amperes (cold) reached at 1300 R.P.M. of the generator armature.

Generator Data

Cold Test (72° F.)			Hot Test (206° F.)		
Amperes	Volts	R.P.M.	Amperes	Volts	R.P.M.
4	6.8	630	4	6.8	790
10	7.4	800	10	7.6	1240
14	7.8	1020	12.5	8.0	1550
15	8.0	1300	11	7.8	2000
12	7.8	1950			

Motoring at 355-390 R.P.M. generator draws 4.7-5.2 amperes at 6 volts. Shunt field current is 6.1-6.8 amperes at 6 volts. Each coil draws 24.4-27.2 amperes at 6 volts. Brush spring tension is 1-1.5 pounds. The fuse in the field circuit is 7.5 ampere capacity.

Mounting: - Generator is cradle mounted on special bracket at right of engine. To remove generator, disconnect lead and drive coupling and loosen mounting clamp band. Then lift generator from place.

Oiling: - Put 4 or 5 drops of light engine oil in each of the generator bearing oilers every two weeks or each 500 miles of operation.

RELAY: - Model CB-4014. Relay is mounted on the generator. Relay closes at 545-625 R.P.M. when the generator voltage reaches 7-7.5 volts and opens with a discharge current of 0-2.5 amperes. Charging current must not exceed 5 amperes at closing of contacts. Contacts separate .025-.035". Air gap is .010-.030" with contacts closed.

LIGHTING: - Clum Switch Model 10717. Lighting switch is mounted at base of steering column. Double filament headlights using a second 21 cp. filament instead of dimmers are standard equipment.

Position	Voltage	CP	Base	Mazda
				No.
Headlights	6-8	21-21	D.C.	1110
Stop light	6-8	15	S.C.	87
Side, dash and tail lights	6-8	3	S.C.	63

Switch: - Soreng-Manegold Switch, Model 2560-A was also used.

FUSES: - Generator field fuse is 7.5 ampere capacity. Lighting fuse mounted on junction block on dash is 20 ampere capacity.

HUDSON Six 1929

Models:

"Greater Hudson" Standard (132" W. B.)
"Greater Hudson" Special (139" W. B.)**

A. E. A. TUNE-UP SYSTEM

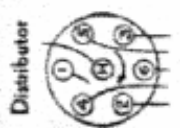
Standards of Adjustment
Automotive Electric Association
Issued January, 1925

Form No. HU-4

IGNITION



Size 18mm. Gap .025"
Original Equipment
AC Type G-10
Cooler Plug (Heavy Base) G-2
to freely turning and pre-ignition
Consult AC
Heat Range Chart*



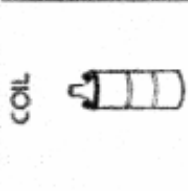
Auto-Lite
No. 107A-4658
*For reverse side.
Firing Order
1-5-3-
6-2-4



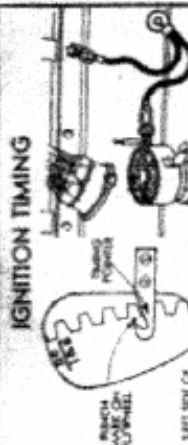
Breaker Contact Gap—815° to 109°
625° to 104°
Condenser—Part No. 103-1280 (Capacity—20 to 25 MFD)
Rotation—Clockwise (viewed from top of distributor)
Manual Advance—14° (Distributor)
Automatic Advance—Semi-Automatic—18° at 1600 R.P.M.
(Maximum advance to distributor degrees at distributor R. P. M.)



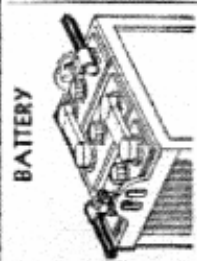
Auto-Lite No. 10-4665
Coil mounted on cylinder head at the front of engine.
For Service Use
10-4670 Coil and
10-1595 Bracket



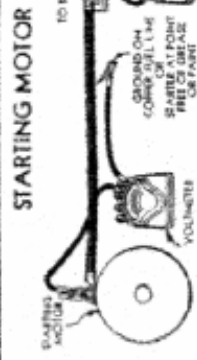
Ignition Timing
Use Timing Lamp—Breaker contacts to open for No. 1 cylinder when punch mark on flywheel (3 teeth before "DC 1 & 6" mark) is opposite timing pointer.
Manual spark control fully advanced.



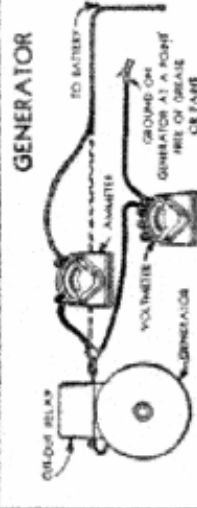
Use Timing Lamp—Breaker contacts to open for No. 1 cylinder when punch mark on flywheel (3 teeth before "DC 1 & 6" mark) is opposite timing pointer.
Manual spark control fully advanced.



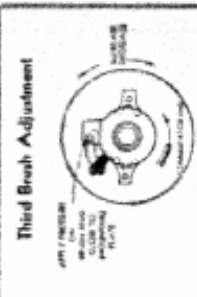
EXIDE—Type X-15
Capacity—103 Amp. Hour.
(90 hr. rate)
Location—On left side under front seat.
Ground—Negative terminal grounded.



AUTO-LITE No. MUA-4001
Drive—Overrunning clutch Part No. ME-2089
Free Running Speed—4000 T.P.M. 50 Amps 5.5 Volts.
Lock Torque (Stalled)—23 Ft. Lbs. 500 Amps. 2.5 Volts.
*At armature shaft.

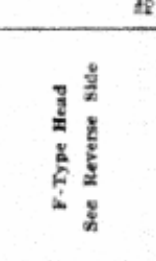


Rotation—Clockwise (viewing drive end)
Regulation—Third brush (no thermostat)
at 1500 R. P. M. of tractor (loadings at 1500) (Generator) at 1300 (Generator) at 1200 (Generator)
Cut-Out Relay—Part No. CB-2014
Closes at 7 to 9 Volts, at 545 to 625 R.P.M. Opens at 2-2.5 Amp. discharge.
Brush Spring Tension—16 to 24 oz. (all brushes).



Third Brush Adjustment

VALVES



Clearance
F-Type Head
See Reverse Side
Engine Hot
Intake—.004"
Exhaust—.006"
With engine oil and coolant at normal operating temperatures*

TIMING



Inlet Valves open 7° or 2½ degrees before 12 o'clock, or 810° before 12 o'clock from Gravel after top dead center.
Tapset Lash for timing—Intake—.004" (cold).
Exhaust—.006" (cold).

CARBURETION



MAHVES—Model V8 (No. 16-126)
Idle Adjustment—Air Servo* Idle at 9 to 1 M.P.H.
Rich (Clockwise) 7½ makes rich.
Fixed Jets—High Speed Jet—Part No. 49-100-0-28
Low Speed Jet—Part No. 49-100-A
Intermediate H.S. Jet—Part No. 49-100-B-28
Metering Pin Jet—Part No. 49-100-C

COOLING, FUEL & OIL SUPPLY



Float Level—19-64"
Measure from top of float chamber to top of float with float held in closed or top position.

COOLING, FUEL & OIL SUPPLY

Cooling System—Cap. 22 Qts. (U. S. Meas.)
Radiators—Flow—154 Gals. (U.S.) per min.
Thermostat—
Temperature Gauge—Moto Meter H-4770
Crankcase—Capacity—7 Qts. (U.S. Meas.)
Fuel Feed—Vacuum Tank;
Stewart-Warner
Air Cleaner—AC No. 863170
Gasoline Gauge—Moto Meter (Electric)
Oil Level Gauge—Moto Meter (Electric)
Oil Pressure Gauge—Moto Meter G-916
Oil Filter—None
Ammeter—Moto Meter K-917
Speedometer—Stewart-Warner
Vacuum-Operated Devices:
Windshield Wiper—Trico*

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.

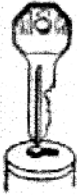
** Serial Number—On engine side of dash.
Serial Numbers: Standard Line—825 407 to 893 461 (approximate)
Special Line—41,364 to 46,598 (approximate)
Engine Number—On top of left hand engine leg.

** Distributor—Auto-Lite No. IGA-4058 used after:
Serial No. 825 415, Engine No. 554 255 (123" wheelbase)
Serial No. 41,384, Engine No. 554 440 (139" wheelbase)

** Air Screw—To be approximately flush with ratchet spring. Set dash heat control in HOT position while adjusting. Turn screw to left (lean) until engine falters; then to right until engine runs evenly. Set throttle adjustment to proper speed. Open throttle quickly and, if engine falters, turn air screw to right until engine runs smoothly.
Air Valve Spring Length— $1\frac{1}{2}$ " (Part No. 24-114) Do not alter; if not correct length, replace spring.

** Windshield Wiper—Service Motors:
Open Models—RSB-40
Coupe, Coach & Sedan—No. RSL-50
Landau, Victoria, Club Sedan & 7-Pass. Sedan—No. B-30

IGNITION LOCK



Briggs & Stratton

KEY SERIES HM201-RM400
KEY-BLANK PART No. 42107
LOCK PART No. 40811, 50891

RECOMMENDED SERVICE TOOLS

- Timing Lamp
- Vacuum Gauge
- Compression Gauge
- Low Range Voltmeter
- Marvel Carburetor Tools
- Fuel Pump Pressure Gauge

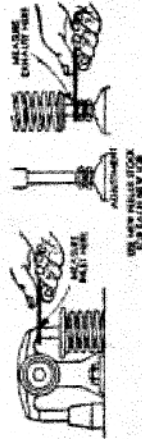
Precision tools and gauges are necessary for accurate work.

Let Manufacturers' Standards be Your Standards.

Consult Service Manuals Often.

Don't Guess

VALVE CLEARANCE



HUDSON MOTOR CAR COMPANY

DETROIT, MICH., U.S.A.

TECHNICAL SERVICE BULLETIN

TS 98-04

File Under: Service, General

All Hudson Owners; 1929 Models

Hudson Super Six Standard Equipment
1929 Models

139" Wheel Base

7-Pass. Phaeton
7-Pass. Sedan
7-Pass. Sport Phaeton
5-Pass. Sport Sedan

122³/₈" Wheel Base

Coach	Landau Sedan
Standard Sedan	Victoria
Standard Coupe	Roadster
Convertible Coupe	5-Pass. Phaeton
Town Sedan	

W/S Cleaner - Trico Vacuum	All Models
Cowl Ventilator	All Models
Engine heat indicator - on instrument board	All Models
Gasoline Gauge Electric - on instrument board	All Models
Oil reservoir gage - Electric - on instrument board	All Models
Wheels, Wood type	All Models
Smoking set	All Models, Except Phaeton
Cigar lighter	Landau Sedan, Victoria
Sun visor	All Models Except Phaeton
Radiator shutters	All Models
Rear traffic signal	All Models
Combination tail and stop light (John Brown Lamp Co.)	All Models
Cowl lights	All Models
Rear vision mirror	All Models
Ignition - Electrolock	All Models
Speedometer - Stewart Warner	All Models
Spare rim - One	All Models
Horn - E. A.	All Models
Headlamps - Parabeam type (John Brown Lamp Co.)	All Models
Tire carried in R. H. front fender well	All Models
Storage battery - Exide	All Models
Shock absorber - Whal	All Models
Shock absorber type - Hydraulic	All Models
Trunk	Landau Sedan, Victoria
Trunk Rack	All Models
Bumpers - front and rear	All Models

PAINT SPECIFICATIONS COVERING

The GREATER HUDSON

and

ESSEX the CHALLENGER

1929

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HUDSON MOTOR CAR CO.

DETROIT, MICHIGAN

Source of Supply of all Paint Used in Manufacturing Hudson and Essex, 1929 Models

Armitage, Newark, N. J.

Ault & Wiborg, 507 Shelby, Detroit

Dibble Color Co., 1497 E. Grand Blvd., Detroit

Ditzler, 8000 W. Chicago, Detroit (Request list of Distributing Points)

Jones & Dabney, 4835 Woodward, Detroit

Rinshed Mason, 5971 Milford St., Detroit

Dupont De Nemurs, (Request list of Distributing Points)

ANTLER TAN – Dibble

BAYOU BLUE – Ditzler

BLUE HOUR – Dupont

CASHEW NUT TAN - Rinshed Mason, Ault
and Wiborg, Ditzler

CHINESE RED - Rinshed Mason

CREAM COLOR DEEP - Jones and Dabney,
Ditzler, Dupont, Ault and Wiborg,
Rinshed Mason

DEVONSHIRE CREAM - Ault and Wiborg

DIANA BLUE - Armitage, Ditzler, Jones and Dabney

EMERALD GREEN EXTRA LIGHT- Ditzler, Jones
and Dabney

EXTRA PERMANENT VERMILLION –
Jones and Dabney, Rinshed Mason

FROSTY GREEN – Ditzler, Jones and
Dabney

GAZELLE BROWN - Rinshed Mason

GENEVA BLUE - Jones and Dabney

GLENROCK GREEN - Jones and Dabney

HUDSON STANDARD BLUE - Jones and Dabney,
Ault and Wiborg

IVORY JET BLACK - Dibble, Jones and Dabney,
Ditzler, Dupont, Rinshed Mason,
Ault and Wiborg

KARNAK GREEN - Dupont and Dabney

LORELEI BLUE - Dibble

MALAGA MAROON - Rinshed Mason, Ditzler

MARMORA GREEN - Ditzler

MARSHLAND GRAY - Jones and Dabney

MILANO BLUE - Jones and Dabney

MOUNTAIN MIST BLUE – Dupont

NARRAGANSETT BLUE – Ditzler

NEPTUNE BLUE – Ditzler

OLD IVORY-Ault and Wiborg, Jones
and Dabney

ORIOLE RED - Rinshed Mason, Jones
and Dabney

PHEASANT BLUE – Ditzler

PRAIRIE GRASS - Dupont

RESEDA GREEN - Rinshed Mason, Dupont

ROYAL CHARIOT RED - Ditzler, Rinshed
Mason

RUST GOLD – Dupont

SEACREST GREEN – Ditzler

SEAL BROWN - Ault and Wiborg, Ditzler

SPANISH YELLOW - Jones and Dabney

SUNNYBROOK BLUE - Jones and Dabney,
Ditzler, Ault and Wiborg, Armitage

TERRAPIN GRAY - Dibble, Jones
and Dabney

TIOGA TAN - Dibble, Rinshed Mason,
and Dabney

VALLIBLUE - Dupont

VENEZIA BLUE - Dibble

WOODLAWN GREEN- Armitage

*Enamel and Dipping Lacquer, all Colors Used on Wheels, Shutters, etc.,
Supplied By Dibble Color Co.*

Essex Coach

CARS 928663 to 953294

STANDARD NO OPTIONAL

UPPER BODY - Lorelie Blue
LOWER BODY - Lorelie Blue
BELT PANEL - Venezia Blue
Striped -Tioga Tan
Permanent Vermillion
BONNET- Lorelie Blue
WOOD WHEELS - Lorelie Blue
Striped - Tioga Tan
Permanent Vermillion
WIRE WHEELS - Black Enamel
¹ SHUTTER ASSY. - Ivory Jet Black
² FENDERS, SPLASH GUARDS ETC.
Ivory Jet Black Enamel

NOTES

- ¹ Changed to Lorelie Blue at car No. 929937
- ² Changed to Lorelie Blue at car No 944346

THIS COMBINATION USED
ON FIRST ESSEX COACHES
Signified by letters "QQ"

Essex Coach

CARS 953292 UPWARD

OPTION NO. 1

UPPER BODY - Hudson Standard Blue
LOWER BODY - Terrapin Gray
BELT PANEL - Geneva Blue
Striped - -Cream Color Deep
BONNET - Terrapin Gray
WOOD WHEELS - Terrapin Gray
Striped - Geneva Blue
WIRE WHEELS - Black Enamel
¹SHUTTER ASSY. - Terrapin Gray
FENDERS, SPLASH GUARDS, ETC.
Ivory Jet Black Enamel

NOTES

- ¹Changed to Ivory Jet Black at car No. 958136

THIS IS KNOWN AS
"Light Gray" COMBINATION
Signified by letter "M"

Essex Coach

CARS 933294 UPWARD

STANDARD COLOR

UPPER BODY - Malaga Maroon
LOWER BODY - Malaga Maroon
BELT PANEL - Ivory Jet Black
Striped -Extra
BONNET - Malaga Maroon
WOOD WHEELS - Malaga Maroon
Striped - Extra
WIRE WHEELS - Black Enamel
¹SHUTTER ASSY. - Malaga Maroon
FENDERS, SPLASH GUARDS, ETC.--
Ivory Jet Black Enamel

NOTES

- ¹ Changed to Ivory Jet Black at car No. 958136

THIS IS KNOWN AS
"Dark Red" COMBINATION
Signified by letters "AA"

Essex Coach

CARS 953311 UPWARD

OPTION NO. 2

UPPER BODY - Gazelle Brown
LOWER BODY - Gazelle Brown
BELT PANEL - Cashew Nut Tan
Striped - Oriole Red
BONNET - Gazelle Brown
WOOD WHEELS - Cashew Nut Tan
* - * * Oriole Red
WIRE WHEELS - Black Enamel
¹SHUTTER ASSY. - Gazelle Brown
FENDERS, SPLASH GUARDS, ETC.
Ivory Jet Black Enamel

NOTES

- ¹ Changed to Ivory Jet Black at car No. 958136

THIS IS KNOWN AS
Dark Brown COMBINATION
Signified by letter "S"

Essex Coach
CARS 953293 UPWARD

OPTION NO. 3

UPPER BODY - Ivory Jet Black
LOWER BODY - Woodlawn Green
BELT PANEL - Sunnybrook Blue
Striped - Cream Color Deep
BONNET Woodlawn Green
WOOD WHEELS - Sunnybrook Blue
Striped - Cream Color Deep
WIRE WHEELS - Black Enamel
¹ SHUTTER ASSY. - Woodlawn Green
FENDERS, SPLASH GUARDS, ETC
Ivory Jet Black Enamel

NOTES

¹ Changed to Ivory Jet Black at car No. 958136

THIS IS KNOWN AS
“Bluish Green.” COMBINATION
Signified by letter”T”

Essex Coach
CARS 953314 UPWARD

OPTION NO. 4

UPPER BODY - Hudson Standard Blue
LOWER BODY - Hudson Standard Blue
BELT PANEL - Geneva Blue
Striped - Cream Color Deep
BONNET - Hudson Standard Blue
WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep
WIRE WHEELS - Black Enamel
¹ SHUTTER ASSY. - Hudson Standard Blue
FENDERS, SPLASH GUARDS, ETC.
Ivory Jet Black Enamel

NOTES

¹ Changed to Ivory Jet Black at car No. 958136

THIS IS KNOWN AS
“Dark Blue” COMBINATION
Signified by letter”U”

Essex Coupe

CARS 928781 to 938857
STANDARD - NO OPTIONAL

UPPER BODY - Ivory Jet Black
LOWER BODY - Ivory Jet Black
BELT PANEL - Cream Color Deep
Striped - Ivory Jet Black
BONNET - Ivory Jet Black
¹ WOOD WHEELS - Cream Color Deep
Striped - Ivory Jet Black
WIRE WHEELS - Cream Color Deep
SHUTTER ASSY. - Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC. -
Black Enamel

NOTES

¹ Wood Wheel Hub Flanges changed from Cream Color Deep to Ivory Jet Black, at car No. 930716

THIS COMBINATION USED
ON FIRST ESSEX COUPES
Signified by letters "K4"

Essex Coupe

CARS 942389-950690
STANDARD - NO OPTIONAL

UPPER BODY - Ivory Jet Black
LOWER BODY - Ivory Jet Black
BELT PANEL - Cream Color Deep
Striped - Ivory Jet Black
BONNET - Ivory Jet Black
¹ WOOD WHEELS - Cream Color Deep
Striped - Ivory Jet Black
WIRE WHEELS - Cream Color Deep
SHUTTER ASSY. - Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.
Ivory Jet Black Enamel

NOTES

This combination considered standard on cars

NOTES No. 950690 to No. 953593

¹ Flanges - Ivory Jet Black ²

THIS IS KNOWN AS
"Greenish Blue" COMBINATION
Signified by letters "K4" Signified by letter "K-2"

Essex Coupe

CARS 938857 to 942389
STANDARD - NO OPTIONAL

UPPER BODY - Glenrock Green
LOWER BODY - Antler Tan
BELT PANEL - Marshland Gray
Striped - Spanish Yellow
BONNET - Antler Tan
WOOD WHEELS - Marshland Gray
Striped - Spanish Yellow
WIRE WHEELS - Black Enamel
SHUTTER ASSY. - Antler Tan
FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

Signified by letters "SS"

Essex Coupe

CARS 954551 UPWARD
OPTION NO. 1

UPPER BODY - Ivory Jet Black
LOWER BODY - Sunnybrook Blue
BELT PANEL - Woodlawn Green
Striped - Diana Blue
BONNET - Sunnybrook Blue
WOOD WHEELS - Sunnybrook Blue
Striped - Ivory Jet Black
WIRE WHEELS - Black Enamel
² SHUTTER ASSY. - Sunnybrook Blue
ENDERS, SPLASH GUARDS, ETC.
Black Eggshell Enamel

Changed to Ivory Jet Black at car No. 958575

Essex Coupe

CARS 953593 UPWARD
STANDARD COLOR

UPPER BODY - Ivory Jet Black
LOWER BODY - Ivory Jet Black
BELT PANEL - Cream Color Deep
Striped - Ivory Jet Black
BONNET - Ivory Jet Black
¹WOOD WHEELS - Cream Color Deep
Striped - Ivory Jet Black
WIRE WHEELS - Cream Color Deep
SHUTTER ASSY. - Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.-
Ivory Jet Black Enamel

NOTES

¹ Flanges - Ivory Jet Black
This combination considered No. 1 Optional
on cars No. 949997 to 953593

THIS IS KNOWN AS
"Black" COMBINATION
Signified by letter "K4"
Same as 3X Town Sedan No. 2

Essex Coupe

CARS 950686 UPWARD
OPTION NO. 3

UPPER BODY - Gazelle Brown
LOWER BODY - Gazelle Brown
BELT PANEL - Cream Color Deep
Striped - Oriole Red
BONNET - Gazelle Brown
WOOD WHEELS - Gazelle Brown
Striped - Cream Color Deep
WIRE WHEELS - Black Enamel
¹SHUTTER ASSY. - Gazelle Brown
FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES

*Changed to Ivory Jet Black at car No. 958575

THIS IS KNOWN AS
"Dark Brown" COMBINATION
Signified by letter "M"
Signified by letter "S-3"

Essex Coupe

CARS 950689 UPWARD
OPTION NO. 2

UPPER BODY - Reseda Green
LOWER BODY - Reseda Green
BELT PANEL - Ivory Jet Black
Striped - Cream Color Deep
BONNET - Reseda Green
WOOD WHEELS - Reseda Green
Striped - Cream Color Deep
WIRE WHEELS - Black Enamel
² SHUTTERS ASSY. - Reseda Green
FENDERS, SPLASH GUARDS, ETC.-
Ivory Jet Black Enamel

NOTES

² Changed to Ivory Jet Black at car No. 958575

THIS IS KNOWN AS
"Dark Green" COMBINATION
Signified by letter "R-2"

Essex Coupe

CARS 950758 UPWARD
OPTION NO.4

UPPER BODY - Hudson Standard Blue
LOWER BODY - Terrapin Gray
BELT PANEL - Geneva Blue
Striped - Cream Color Deep
BONNET - Terrapin Gray
WOOD WHEELS - Terrapin Gray
Striped -Geneva Blue
WIRE WHEELS - Black Enamel
²SHUTTER ASSY. - Terrapin Gray
FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES

² Changed to Ivory Jet Black at car No. 958575

THIS IS KNOWN AS
"Light Gray" COMBINATION
Same as SX Coach No. 1

**Essex Convertible
Coupe**

CARS 937531 UPWARD
STANDARD COLOR

UPPER BODY - Bayou Blue

LOWER BODY - Bayou Blue

BELT PANEL - Neptune Blue
Striped - Cream Color Deep

BONNET - Bayou Blue

WOOD WHEELS - Bayou Blue
Striped - Cream Color Deep

¹ WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Bayou Blue

FENDERS, SPLASH GUARDS, ETC. -
Bayou Blue

NOTES

WINDOW REVEALS - Neptune Blue

¹ DRUMS - Bayou Blue

STANDARD COLOR

NO OPTION

Signified by letters "CC"

Essex Roadster

CARS 935436 UPWARD
STANDARD COLOR

UPPER BODY - Royal Chariot Red

LOWER BODY - Royal Chariot Red

BELT MLDG. - Ivory Jet Black
Striped - Extra Permanent Vermillion

BONNET - Royal Chariot Red

WOOD WHEELS - Royal Chariot Red
Striped - Extra Permanent Vermillion

¹ WIRE WHEELS - Extra Permanent Vermillion

² SHUTTER ASSY. - Malaga Maroon

FENDERS, SPLASH GUARDS, ETC. -
Malaga Maroon

NOTES

WINDSHIELD BELT PANEL - Malaga Maroon

¹ DRUMS - Malaga Maroon

² Changed to Ivory Jet Black at car No. 958136

STANDARD COLOR - NO OPTION

Signified by letters "EE"

Essex Phaeton

CARS 962383 UPWARD
STANDARD COLOR

- UPPER BODY - Antler Tan
- LOWER BODY - Antler Tan
- BELT MLDG. - Ivory Jet Black
Striped - English Coach Vermillion
- BONNET - Antler Tan
- WOOD WHEELS - Antler Tan
Striped - English Coach Vermillion
- WIRE WHEELS - Black
- SHUTTER ASSY. - Ivory Jet Black
- FENDERS, SPLASH GUARDS, ETC.
Ivory Jet Black

NOTES

BETWEEN MLDG. - English Coach Vermillion
'FLANGES - Antler Tan

STANDARD COLOR
Signified by letters "DD"

Essex Phaeton

CARS 992313 AND UPWARD
OPTION NO. 1

- UPPER BODY - Geneva Blue
- LOWER BODY - Geneva Blue
- BELT MLDG. - Ivory Jet Black
Striped - Cream Color Deep
- BONNET - Geneva Blue
- WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep
- WIRE WHEELS - Ivory Jet Black
- SHUTTER ASSY. - Ivory Jet Black
- FENDERS, SPLASH GUARDS, ETC-
Ivory Jet Black

NOTES

BETWEEN MLDG. - Narragansett Blue.

Signified by letters "FFF"

Essex Standard Sedan

CARS 928665 to 948537
STANDARD COLOR - NO OPTION

- UPPER BODY - Gazelle Brown
- LOWER BODY - Gazelle Brown
- BELT PANEL - Seal Brown
Striped-- -Devonshire Cream
- BONNET - Gazelle Brown
- WOOD WHEELS - Gazelle Brown
Striped - Devonshire Cream
- WIRE WHEELS - Black Enamel
- ¹SHUTTER ASSY. - Ivory Jet Black
- ²FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES

- ¹Changed to Gazelle Brown at car No. 939275
- ²Running Board Splash Guards changed to
Gazelle Brown at car No. 944126

THIS COMBINATION USED
ON FIRST ESSEX STANDARD SEDANS .
Signified by letters "TT"

Essex Standard Sedan

CARS 948537 UPWARD
OPTION NO. 1

- UPPER BODY - Ivory Jet Black
- LOWER BODY - Cashew Nut Tan
- BELT PANEL - Gazelle Brown
Striped - Oriole Red
- BONNET - Cashew Nut Tan
- WOOD WHEELS - Cashew Nut Tan
Striped - Oriole Red
- WIRE WHEELS - Black Enamel
- ¹SHUTTER ASSY. - Cashew Nut Tan
- FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES

- ¹Changed to Ivory Jet Black at car No. 958210

THIS IS KNOWN AS
"Light Brown" COMBINATION
Signified by letter "V"

Essex Standard Sedan

CARS 948537 UPWARD
STANDARD COLOR

- UPPER BODY - Reseda Green
- LOWER BODY - Reseda Green
- BELT PANEL - Ivory Jet Black
Striped-Cream Color Deep
- BONNET - Reseda Green
- WOOD WHEELS - Reseda Green
Striped - Cream Color Deep
- WIRE WHEELS - Black Enamel
- ¹SHUTTER ASSY. - Reseda Green
- FENDERS, SPLASH GUARDS, ETC. -
Black Enamel

NOTES

- ¹Changed to Ivory Jet Black at car No. 958210

THIS IS KNOWN AS
"Dark Green" COMBINATION
Signified by letters "FF"

Essex Standard Sedan

CARS 948537 UPWARD
OPTION NO. 2

- UPPER BODY - Geneva Blue
- LOWER BODY - Geneva Blue
- BELT PANEL - Terrapin Gray
Striped - Ivory Jet Black
- BONNET - Geneva Blue
- WOOD WHEELS - Terrapin Gray
Striped - Ivory Jet Black
- WIRE WHEELS - Black Enamel
- ²SHUTTER ASSY. - Geneva Blue
- FENDERS SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES

- ²Changed to Ivory Jet Black at car No. 9.58210

THIS IS KNOWN AS
"Light Blue" COMBINATION
Signified by letter "0-2"

Essex Standard Sedan

CARS 948537 UPWARD
OPTION NO.3

UPPER BODY - Ivory Jet Black
LOWER BODY Ivory Jet Black
BELT PANEL - Reseda Green
Striped - Cream Color Deep
BONNET - Ivory Jet Black
WOOD WHEELS - Reseda Green
Striped - Cream Color Deep
WIRE WHEELS - Black Enamel
SHUTTER ASSY. - Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES
THIS IS KNOWN AS
"Black" COMBINATION
Signified by letter "K-3"

Essex Standard Sedan

CARS 948537 UPWARD
OPTION NO. 4

UPPER BODY - Gazelle Brown
LOWER BODY - Gazelle Brown
BELT PANEL - Cashew Nut Tan
Striped - Ivory Jet Black
BONNET - Gazelle Brown
WOOD WHEELS - Gazelle Brown
Striped - Ivory Jet Black
WIRE WHEELS - Black Enamel
¹SHUTTER ASSY. - Gazelle Brown
FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES
¹Changed to Ivory Jet Black at car No. 958210
THIS IS KNOWN AS
"Dark Brown" COMBINATION
Signified by letter "S-2"

Essex Town Sedan

CARS 931386 to 949350
STANDARD COLOR - NO OPTION

UPPER BODY - Geneva Blue
LOWER BODY - Geneva Blue
BELT PANEL - Ivory Jet Black
Striped - Cream Color Deep
BONNET - Geneva Blue
WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep
¹WIRE WHEELS-Cream Color Deep
SHUTTER ASSY. - Geneva Blue
FENDERS, SPLASH GUARDS, ETC. -
Geneva Blue

NOTES

¹DRUMS - Geneva Blue
THIS COMBINATION USED
ON FIRST ESSEX TOWN SEDANS
Signified by letters "UU"

Essex Town Sedan

CARS 949348 UPWARD
OPTION NO. 1

UPPER BODY - Geneva Blue
LOWER BODY - Geneva Blue
BELT PANEL - Ivory Jet Black
Striped - Cream Color Deep
BONNET - Geneva Blue
WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep
WIRE WHEELS - Cream Color Deep
²SHUTTER ASSY. - Geneva Blue
FENDERS, SPLASH GUARDS, ETC. -
Geneva Blue

NOTES

²Changed to Ivory Jet Black at car 957847

THIS IS KNOWN AS
"Light Blue" COMBINATION
Signified by letter "0-3"

Essex Town Sedan

CARS 949350 UPWARD
STANDARD COLOR

UPPER BODY - Ivory Jet Black
LOWER BODY - Hudson Standard Blue
BELT PANEL - Geneva Blue
Striped - Cream Color Deep
BONNET - Hudson Standard Blue
WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep
¹WIRE WHEELS-Cream Color Deep
²SHUTTER ASSY. - Hudson Standard
FENDERS, SPLASH GUARDS, ETC. -
Hudson Standard Blue

NOTES

¹DRUMS - Hudson Standard Blue
Changed to Ivory Jet Black at car No. 957847
THIS IS KNOWN AS
"Dark Blue" COMBINATION
Signified by letters "GG"

Essex Town Sedan

CARS 949341 UPWARD
OPTION NO. 2

UPPER BODY - Ivory Jet Black
LOWER BODY - Ivory Jet Black
BELT PANEL - Cream Color Deep
Striped - Ivory Jet Black
BONNET - Ivory Jet Black
¹WOOD WHEELS - Cream Color Deep
Striped - Ivory Jet Black
WIRE WHEELS - Cream Color Deep
SHUTTER ASSY. - Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black Enamel

NOTES

¹FLANGES- Ivory Jet Black

THIS IS KNOWN AS
"Black" COMBINATION
Signified by letter "K-4"
Same as SX Coupe Standard

Essex Town Sedan

CARS 949357 UPWARD
OPTION NO.3

UPPER BODY - Hudson Standard Blue

LOWER BODY - Terrapin Gray

BELT PANEL - Geneva Blue
Striped - Cream Color Deep

BONNET -Terrapin Gray

WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep

WIRE WHEELS----Cream Color Deep

¹SHUTTER ASSY.- Terrapin Gray

FENDERS, SPLASH GUARDS, ETC. -
Terrapin Gray

NOTES

¹ Changed to Ivory Jet Black at car No. 957847

THIS IS KNOWN AS
"Light Gray" COMBINATION
Signified by letter "M-I"

Essex Town Sedan

CARS 954683 UPWARD
OPTION NO.4

UPPER BODY - Ivory Jet Black

LOWER BODY - Malaga Maroon

BELT PANEL - Royal Chariot Red
Striped - Ivory Jet Black

BONNET - Malaga Maroon

WOOD WHEELS - Royal Chariot Red
Striped - Ivory Jet Black

WIRE WHEELS- Extra Permanent Vermillion

¹SHUTTER ASSY. - Malaga Maroon

FENDERS, SPLASH GUARDS, ETC.
Malaga Maroon

NOTES

¹ Changed to Ivory Jet Black at car No. 957847

THIS IS KNOWN AS
'Dark Red" COMBINATION
Signified by letter "H"

Hudson Coach

CARS 825416 UPWARD

STANDARD COLOR NO OPTION

UPPER BODY - Hudson Standard Blue

LOWER BODY - Terrapin Gray

BELT PANEL - Hudson Standard Blue
Striped - Cream Color Deep

BONNET - Terrapin Gray

¹WOOD WHEELS - Terrapin Gray
Striped - Hudson Standard Blue

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Terrapin Gray

FENDERS SPLASH GUARDS, ETC. -
Terrapin Gray

NOTES

¹ FLANGES - Hudson Standard Blue
++DRUMS-Terrapin Gray

THIS COMBINATION USED
ON FIRST HUDSON COACHES
Signified by letters "V V"

Hudson Coach

CARS 832856 UPWARD

OPTION NO. 1

UPPER BODY - Ivory Jet Black

LOWER BODY - Malaga Maroon

BELT PANEL - Royal Chariot Red
Striped - Ivory Jet Black

BONNET-- Malaga Maroon

¹WOOD WHEELS - Royal Chariot Red
Striped - Ivory Jet Black

²WIRE WHEELS - Extra Permanent Vermillion

SHUTTER ASSY. - Hudson Standard Blue

FENDERS, SPLASH GUARDS, ETC.
Malaga Maroon

NOTES

¹ FLANGES-Ivory Jet Black
² DRUMS-Malaga Maroon

THIS IS KNOWN AS
"Dark Red" COMBINATION
Signified by letter "H"

Hudson Coach

CARS 831903 UPWARD

STANDARD COLOR

UPPER BODY - Hudson Standard Blue

LOWER BODY - Geneva Blue

BELT PANEL - Terrapin Gray
Striped - Milano Blue

BONNET - Geneva Blue

¹WOOD WHEELS - Terrapin Gray
Striped - Milano Blue

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Geneva Blue

FENDERS, SPLASH GUARDS, ETC.-
Geneva Blue

NOTES

¹ FLANGES - Hudson Standard Blue

THIS IS KNOWN AS
"Light Blue" COMBINATION
Signified by letters "HH"

Hudson Coach

CARS 831846 UPWARD

OPTION NO. 2

UPPER BODY - Ivory Jet Black

LOWER BODY - Hudson Standard Blue

BELT PANEL - Geneva Blue
Striped - Cream Color Deep

BONNET - Hudson Standard Blue

¹WOOD WHEELS - Geneva Blue
Striped - Cream Color Deep

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Malaga Maroon

FENDERS, SPLASH GUARDS, ETC.
Hudson Standard Blue

NOTES

¹FLANGES - Ivory Jet Black

THIS IS KNOWN AS
"Dark Blue" COMBINATION
Signified by letter "J"

Hudson Coach

CARS 831907 UPWARD

OPTION NO. 3

UPPER BODY - Ivory Jet Black

LOWER BODY - Ivory Jet Black

BELT PANEL - Cream Color Deep
Striped - Ivory Jet Black

BONNET - Ivory Jet Black

¹WOOD WHEELS - Cream Color Deep
Striped - Ivory Jet Black

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Ivory Jet Black

FENDERS, SPLASH GUARDS, ETC.-
Ivory Jet Black

NOTES

¹ FLANGES - Ivory Jet Black
DRUMS - Ivory Jet Black

THIS IS KNOWN AS
"Black" COMBINATION
Signified by letter "K4"

Hudson Coach

CARS 831878 UPWARD

OPTION NO. 4

UPPER BODY - Geneva Blue

LOWER BODY - Terrapin Gray

BELT PANEL - Hudson Standard Blue
Striped - Cream Color Deep

BONNET - Terrapin Gray

¹WOOD WHEELS - Terrapin Gray
Striped - Hudson Standard Blue

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Terrapin Gray

FENDERS, SPLASH GUARDS, ETC.-
Geneva Blue

NOTES

¹ FLANGES - Hudson Standard Blue
DRUMS - Geneva Blue

THIS IS KNOWN AS
"Light Gray" COMBINATION
Signified by letter "L"

Hudson Coupe

CARS 825468 to 830360

STANDARD COLOR - NO OPTION

- UPPER BODY - Gazelle Brown
- LOWER BODY - Cashew Nut Tan
- BELT PANEL - Gazelle Brown
Striped - Chinese Red
- BONNET - Cashew Nut Brown
- ¹WOOD WHEELS - Cashew Nut Tan
Striped - Chinese Red
- WIRE WHEELS - Chinese Red
- SHUTTER ASSY. - Cashew Nut Tan
- FENDERS, SPLASH GUARDS, ETC. -
Gazelle Brown

NOTES

¹ FLANGES - Chinese Red

THIS COMBINATION USED
ON FIRST HUDSON COUPES
Signified by letters "WW"

Hudson Coupe

CARS 832369 UPWARD

OPTION NO. 1

- UPPER BODY - Ivory Jet Black
- LOWER BODY - Ivory Jet Black
- BELT PANEL - Malaga Maroon
Striped - Extra Permanent Vermillion
- BONNET - Ivory Jet Black
- ¹WOOD WHEELS - Malaga Maroon
Striped - Extra Permanent Vermillion
- WIRE WHEELS - Extra Permanent Vermillion
- SHUTTER ASSY. - Antler Tan
- FENDERS, SPLASH GUARDS, ETC.-
Ivory Jet Black

NOTES

¹ FLANGES - Ivory Jet Black

THIS IS KNOWN AS
"Black" COMBINATION
Signified by letter "K-l"

Hudson Coupe

CARS 830360 to 832272

STANDARD COLOR

- UPPER BODY - Malaga Maroon
- LOWER BODY - Royal Chariot Red
- BELT PANEL - Malaga Maroon
Striped - Extra Permanent Vermillion
- BONNET - Royal Chariot Red
- ¹WOOD WHEELS - Royal Chariot Red
Striped - Extra Permanent Vermillion
- WIRE WHEELS - Extra Permanent Vermillion
- SHUTTER ASSY. - Royal Chariot Red
- FENDERS - Malaga Maroon
- RUNNING BOARD, SPLASH GUARDS –
Royal Chariot Red

NOTES

¹ FLANGES - Malaga Maroon

THIS IS KNOWN AS
"Light Red" COMBINATION
Signified by letters "JJ"

Hudson Coupe

CARS 832272 UPWARD

OPTION NO. 2

- UPPER BODY - Ivory Jet Black
- LOWER BODY - Antler Tan
- BELT PANEL - Reseda Green
Striped - Tioga Tan
- BONNET - Antler Tan
- ¹WOOD WHEELS - Antler Tan
Striped - Ivory Jet Black
- WIRE WHEELS - Tioga Tan
- SHUTTER ASSY. - Ivory Jet Black
- FENDERS- -Reseda Green
- RUNNING BOARD, SPLASHGUARDS
Antler Tan

NOTES

¹ FLANGES - Ivory Jet Black

THIS IS KNOWN AS
"Tan" COMBINATION
Signified by letter "N"

Hudson Coupe

CARS 832333 UPWARD

OPTION NO. 3

UPPER BODY - Geneva Blue

LOWER BODY - Geneva Blue

BELT PANEL - Cashew Nut Tan
Striped - Ivory Jet Black

BONNET - Geneva Blue

WOOD WHEELS - Cashew Nut Tan
Striped - Ivory Jet Black

WIRE WHEELS - Tioga Tan

SHUTTER ASSY. - Geneva Blue

FENDERS - Cashew Nut Tan

RUNNING BOARD, SPLASH GUARDS -
Geneva Blue

NOTES

FLANGES - Geneva Blue

THIS IS KNOWN AS
"Light Blue" COMBINATION
Signified by letter "0-1"

Hudson Coupe

CARS 832316 UPWARD

OPTION NO.4

UPPER BODY - Geneva Blue

LOWER BODY - Terrapin Gray

BELT PANEL - Hudson Standard Blue
Striped - Cream Color Deep

BONNET - Terrapin Gray

WOOD WHEELS - Hudson Standard Blue
Striped - Cream Color Deep

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Terrapin Gray

FENDERS, SPLASH GUARDS, ETC. -
Terrapin Gray

NOTES

FLANGES- --Geneva Blue

THIS IS KNOWN AS
"Light Gray" COMBINATION
Signified by letter "L"

Hudson Convertible CoupeCARS 827004 UPWARD
STANDARD COLOR

UPPER BODY - Frosty Green

LOWER BODY - Frosty Green

BELT MOULDING - Seacrest Green
Striped - Cream Color Deep

BONNET - Frosty Green

WOOD WHEELS - Frosty Green
Striped - Cream Color Deep¹WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Frosty Green

FENDERS, SPLASH GUARDS, ETC.
Frosty Green

NOTES

¹DRUMS - Frosty Green

STANDARD COLOR - NO OPTION

Signified by letters "KK"

Hudson VictoriaCARS 825421 to 829424
832858 UPWARD

STANDARD COLOR

UPPER BODY – Ivory Jet Black

LOWER BODY – Reseda Green

BELT PANEL – Ivory Jet Black
Striped – Cream Color Deep

BONNET – Reseda Green

WIRE WHEELS – Cream Color Deep

SHUTTER ASSY. – Reseda Green

FENDERS, SPLASH GUARDS, ETC –
Reseda Green

NOTES

STANDARD COLOR – NO OPTION

Signified by letters "PP"

Hudson Town SedanCARS 827844 UPWARD
STANDARD COLOR

UPPER BODY – Hudson Standard Blue

LOWER BODY – Hudson Standard Blue

BELT MLDG. – Upper – Ivory Jet Black

BELT MLDG. – Lower – Hudson Standard Blue
Both Striped – Old Ivory¹WOOD WHEELS – Hudson Standard Blue
Striped – Old Ivory²WIRE WHEELS – Old Ivory

SHUTTER ASSY. – Ivory Jet Black

FENDERS, SPLASH GUARDS, ETC. -
Ivory Jet Black

NOTES

¹ FLANGES – Ivory Jet Black² DRUMS - Black

STANDARD COLOR – NO OPTION

Signified by letters "QQ"

Hudson 122" Phaeton

CARS 836383 UPWARD

STANDARD COLOR

UPPER BODY – Terrapin Gray

LOWER BODY – Terrapin Gray

BELT MLDGS. – Hudson Standard Blue
Striped – Old Ivory

BONNET – Terrapin Gray

WOOD WHEELS – Terrapin Gray
Striped – Hudson Standard Blue¹WIRE WHEELS – Old Ivory

SHUTTER ASSY. – Terrapin Gray

FENDERS, SPLASH GUARDS, ETC. -
Terrapin Gray

Hudson Landau Sedan

CARS 825419 to 827429

STANDARD COLOR

UPPER BODY - Cashew Nut Tan

LOWER BODY - Cashew Nut Tan

BELT MLDG. - Seal Brown
Striped - Devonshire Cream

BONNET-Cashew Nut Tan

¹WOOD WHEELS - Cashew Nut Tan
Striped - Devonshire Cream

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Cashew Nut Tan

FENDERS, SPLASH GUARDS, ETC.-
Seal Brown

NOTES

¹ FLANGES - Seal Brown

STANDARD COLOR - NO OPTION
Signified by letters "XX"

Hudson Roadster

CARS 826719 UPWARD

STANDARD COLOR

UPPER BODY – Ivory Jet Black

LOWER BODY – Ivory Jet Black

BELT MLDG. – Mamora Green

BONNET – Ivory Jet Black

¹WOOD WHEELS – Emerald Green – Extra Lite

WIRE WHEELS – Emerald Green – Extra Lite

FENDERS, ETC. – Emerald Green – Extra Lite

RUNNING BOARD, SPLASH GUARDS –
Ivory Jet Black

NOTES

¹ FLANGES – Ivory Jet Black

STANDARD COLOR – NO OPTION
Signified by letters "LL"

Hudson Landau Sedan

CARS 827429 UPWARD

STANDARD COLOR

UPPER BODY - Ivory Jet Black

LOWER BODY - Sunnybrook Blue

BELT MLDG. - Ivory Jet Black
Striped - Diana Blue

BONNET - Sunnybrook Blue

WOOD WHEELS - Sunnybrook Blue
Striped - Ivory Jet Black

¹WIRE WHEELS - Sunnybrook Blue

SHUTTER ASSY. - Sunnybrook Blue

FENDERS, ETC.--Ivory Jet Black

RUNNING BOARD, SPLASH GUARDS-
Sunnybrook Blue

NOTES

¹ DRUMS - Ivory Jet Black

STANDARD COLOR - NO OPTION
Signified by letters "MM"

Hudson Standard Sedan

CARS 825420 to 831507

STANDARD COLOR - NO OPTION

UPPER BODY - Woodlawn Green

LOWER BODY - Woodlawn Green

BELT PANEL - Sunnybrook Blue
Striped - Cream Color Deep

BONNET - Woodlawn Green

*WOOD WHEELS - Woodlawn Green
Striped - Cream Color Deep

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Woodlawn Green

FENDERS, SPLASH GUARDS, ETC. -
Woodlawn Green

NOTES

*FLANGES - Sunnybrook Blue

STANDARD COLOR
Signified by letters "YY"

Hudson Standard Sedan

CARS 831496 UPWARD

OPTION NO. 1

UPPER BODY - Woodlawn Green

LOWER BODY - Woodlawn Green

BELT PANEL - Sunnybrook Blue
Striped - Diana Blue

BONNET - Woodlawn Green

*WOOD WHEELS - Sunnybrook Blue
Striped - Diana Blue

WIRE WHEELS - Diana Blue

SHUTTER ASSY. - Woodlawn Green

FENDERS, SPLASH GUARDS, ETC. -
Woodlawn Green

NOTES

*FLANGES - Woodlawn Green

THIS IS KNOWN AS
"Bluish Green" COMBINATION
Signified by letter "P"

Hudson Standard Sedan

CARS 831507 UPWARD

STANDARD COLOR

UPPER BODY - Ivory jet Black

LOWER BODY - Ivory jet Black

BELT PANEL - Reseda Green
Striped - Cream Color Deep

BONNET - Ivory jet Black

*WOOD WHEELS - Reseda Green
Striped - Cream Color Deep

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Ivory jet Black

FENDERS, SPLASH GUARDS, ETC.-
Reseda Green

NOTES

*FLANGES - Ivory jet Black

STANDARD COLOR
Signified by letters "NN"

Hudson Standard Sedan

CARS 835569 UPWARD

OPTION NO. 2

UPPER BODY - Woodlawn Green

LOWER BODY - Antler Tan

BELT PANEL - Sunnybrook Blue
Striped - Tioga Tan

BONNET - Antler Tan

*WOOD WHEELS - Sunnybrook Blue
Striped - Tioga Tan

WIRE WHEELS - Cream Color Deep

SHUTTER ASSY. - Antler Tan

FENDERS, SPLASH GUARDS, ETC. -
Antler Tan

NOTES

*FLANGES - Woodlawn Green

THIS IS KNOWN AS
"Tan" COMBINATION
Signified by letter

1
9
2
9

**Hudson Standard
Sedan**
CARS 832343 UPWARD
OPTION NO. 3

UPPER BODY - Reseda Green
LOWER BODY - Reseda Green
BELT PANEL-Antler Tan
Striped - Ivory jet Black
BONNET - Reseda Green
*WOOD WHEELS-Antler Tan
Striped - Ivory jet Black
WIRE WHEELS - Cream Color Deep
SHUTTER ASSY. - Reseda Green
FENDERS, ETC. -Antler Tan
RUNNING BOARD, SPLASH GUARDS -
Reseda Green

NOTES
*FLANGES - Reseda Green
(These were changed to Ivory jet Black at car
No. 836050)

THIS IS KNOWN AS
"Dark Green" COMBINATION
Signified by letter "R-I"

**Hudson Standard
Sedan**
CARS 832512 UPWARD
OPTION NO. 4

UPPER BODY - Malaga Maroon
LOWER BODY- Malaga Maroon
BELT PANEL-Royal Chariot Red
Striped - Ivory jet Black
BONNET - Malaga Maroon
*WOOD WHEELS - Royal Chariot Red
Striped - Ivory jet Black
WIRE WHEELS - Extra Permanent Vermillion
SHUTTER ASSY. - Malaga Maroon
FENDERS, SPLASH GUARDS, ETC. -
Malaga Maroon

NOTES
*FLANGES-Ivory jet Black

THIS IS KNOWN AS
"Dark Red" COMBINATION
Signified by letter "W"

**Hudson 139”
Limousine Sedan**
CARS 41384 UPWARD
STANDARD COLOR

UPPER BODY- Ivory Jet Black
LOWER BODY- Vallibblue
BELT PANEL – Pheasant Blue
Striped – Cream Color Deep
BONNET - Vallibblue
WIRE WHEELS – Cream Color Deep
SHUTTER ASSY. - Vallibblue
FENDERS, SPLASH GUARDS, ETC.
Ivory Jet Black

Signified by letters “CCC”

**Hudson 139”
5-Pass. Sedan**
FIRST CARS AND UPWARD
STANDARD COLOR – NO OPTION

UPPER BODY – Ivory Jet Black
LOWER BODY – Ivory Jet Black
¹BELT PANEL – Karnak Green
Striped – Ivory Jet Black
²WIRE WHEELS – Karnak Green
SHUTTER ASSY. – Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC -
Karnak Green. Changed to Ivory Jet Black
Black on Car 41905

NOTES

- ¹ Changed from Karnak Green to Ivory Jet Black with a Silver stripe at Car No. 41905
- ² Changed from Karnak Green to Aluminum Bronze at Car No. 41905.

Signified by letters “AAA”

**Hudson 139”
5-Pass. Phaeton**
CARS 41384 UPWARD
STANDARD COLOR

UPPER BODY – Mountain Mist Blue
LOWER BODY – Mountain Mist Blue
BELT MLDG. – Blue Hour
Striped – Cream Color Deep
BONNET – Mountain Mist Blue
WIRE WHEELS – Cream Color Deep
SHUTTER ASSY. – Mountain Mist Blue
FENDERS, SPLASH GUARDS, ETC. –
Blue Hour

Signified by letters “EEE”

**Hudson 139”
7-Pass. Sedan**
CARS 41384 UPWARD
STANDARD COLOR – NO OPTION

UPPER BODY – Pheasant Blue
LOWER BODY – Vallibblue
BELT PANEL – Pheasant Blue
Striped – Cream Color Deep
WIRE WHEELS – Cream Color Deep
SHUTTER ASSY. – Vallibblue
FENDERS, ETC. – Pheasant Blue
RUNNING BOARD, SPLASH GUARDS –
Vallibblue

Signified by letters “BB”

Hudson 139”
7-Pass. Phaeton
CARS 413845UPWARD
STANDARD COLOR

UPPER BODY – Mountain Mist Blue

LOWER BODY – Mountain Mist Blue

BELT PANEL – Blue Hour
Striped – Cream Color Deep

BONNET – Mountain Mist Blue

WIRE WHEELS – Cream Color Deep

SHUTTER ASSY. – Mountain Mist Blue

FENDERS, SPLASH GUARDS ETC. –
Blue Hour

Signified by letters “EEE”

PAINT SPECIFICATIONS COVERING

The GREATER HUDSON
ESSEX the CHALLENGER

and

DOVER COMMERCIAL CAR

1929

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HUDSON MOTOR CAR CO.

DETROIT, MICHIGAN

Source of Supply of all Paint Used in Manufacturing Hudson and Essex, 1929 Models

Armitage, Newark, N. J.
Ault, Wiborg, 507 Shelby, Detroit
Dibble Color Co., 1497 E. Grand Blvd., Detroit
Ditzler, 8000 W. Chicago, Detroit (Request list of Distributing Points)
Jones Dabney, 4835 Woodward, Detroit
Rinshed Mason, 5971 Milford St., Detroit
Dupont De Nemurs, (Request list of Distributing Points)
V. E. P. Co., Pontiac, Mich.

COLOR NAME	MANUFACTURER	Color Number	COLOR NAME	MANUFACTURER	Color Number
ANTLER TAN - Dibble		1	MALAY BROWN - Dibble		24
BAYOU BLUE - Ditzler		2	MARMORA GREEN - Ditzler		25
BLUE HOUR - Dupont		3	MARSHLAND GRAY - Jones and Dabney		26
BREWSTER GREEN - Rinshed Mason		4	MILANO BLUE - Jones and Dabney		27
CASHEW NUT TAN - Rinshed Mason, Ault and Wiborg, Ditzler		5	MOUNTAIN MIST BLUE - Dupont		28
CHINESE RED - Rinshed Mason		6	NARRAGANSETT BLUE - Ditzler		29
CREAM COLOR DEEP - Jones and Dabney, Ditzler, Dupont, Ault and Wiborg, Rinshed Mason		7	NEBRASKA GREEN - Armitage		30
DERBY BROWN - Jones and Dabney		8	NEPTUNE BLUE - Ditzler		31
DEVONSHIRE CREAM-Ault and Wiborg, Dabney		9	OLD IVORY - Ault and Wiborg, Jones and Dabney		32
ELIZABETHAN BLUE - Rinshed Mason		10	ORIOLE RED - Rinshed Mason, Jones and Dabney		33
EMERALD GREEN EXTRA LIGHT - Ditzler, Jones and Dabney		11	PHEASANT BLUE - Ditzler		35
EXTRA PERMANENT VERMILION - Jones and Dabney, Rinshed Mason	13	12	PRAIRIE GRASS - Dupont		36
FROSTY GREEN - Ditzler, Jones and Dabney		14	RESEDA GREEN - Rinshed Mason, Dupont.		37
GAZELLE BROWN - Rinshed Mason		15	RIMINI BLUE - Rinshed Mason		38
GENEVA BLUE - Jones and Dabney		16	ROYAL CHARIOT RED - Ditzler, Rinshed Mason		39
GLENROCK GREEN - Jones and Dabney		17	RUST GOLD - Dupont		40
HIGHWAY GRAY - Dibble		18	SEACREST GREEN - Ditzler		41
HUDSON STANDARD BLUE - Jones and Dabney, Ault and Wiborg		19	SEAL BROWN - Ault and Wiborg, Ditzler		42
IVORY JET BLACK - Dibble, Jones Dabney, Ditzler, Dupont, Rinshed Mason, Ault and Wiborg		20	SPANISH YELLOW - Jones and Dabney		43
KARNAK GREEN - Dupont		21	SUNNYBROOK BLUE - Jones and Dabney, Ditzler, Ault and Wiborg, Armitage		44
LORELEI BLUE - Dibble		22	TARANTO RED - Rinshed Mason		45
MALAGA MAROON - Rinshed Mason, Ditzler		23	TERRAPIN GRAY - Dibble, Jones and Dabney		46
			THORNE BROWN - Jones and Dabney		47
			TIOGA TAN - Dibble, Rinshed Mason, Jones and Dabney		48
			VALLIBLUE - Dupont		49
			VENEZIA BLUE - Dibble		50
			WOODLAWN GREEN - Armitage		51

Color numbers refer to color chart

Essex Coach

	STANDARD	No.1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	1135350 up	1135348 up	1135369 up	1135365 up	1135387 up
UPPER BODY	Ivory Jet Black	Elizabethan Blue	Ivory Jet Black	Nebraska Green	Thorne Brown
LOWER BODY	Ivory Jet Black	Elizabethan Blue	Malay Brown	Nebraska Green	Malaga Maroon
BELT PANEL	Pharaoh Green	Hudson Std. Blue	Taranto Red	Ivory Jet Black	Deep Cream
BELT PANEL STRIPE	Deep Cream	Deep Cream	Deep Cream	Emerald Green	Taranto Red
BONNET	Ivory Jet Black	Elizabethan Blue	Malay Brown	Nebraska Green	Malaga Maroon
WOOD WHEELS	Pharaoh Green	Elizabethan Blue	Malay Brown	Nebraska Green	Malaga Brown
WOOD WHEELS STRIPE	Deep Cream	Deep Cream	Taranto Red	Emerald Green	Deep Cream
WOOD WHEELS FLANGES	Pharaoh Green	Elizabethan Blue	Malay Brown	Nebraska Green	Malaga Maroon
WIRE WHEELS	Deep Cream	Deep Cream	Deep Cream	Emerald Green	Deep Cream
WIRE WHEELS DRUMS	Ivory Jet Black	Black	Black	Black	Black
SHUTTER ASSY.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
COLOR COMBINATION	Black	Medium Blue	Light Brown	Dark Green	Dark Red

Essex Coupe

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	1135375 up	1135339 up	1135368 up	1135377 up	1135372 up
UPPER BODY	Nebraska Green	Ivory Jet Black	Elizabethan Blue	Malaga Maroon	Elizabethan Blue
LOWER BODY	Pharaoh Green	Ivory Jet Black	Elizabethan Blue	Malaga Maroon	Highway Gray
BELT PANEL	Ivory Jet	Black Deep Cream	Hudson Std. Blue	Ivory Jet Black	Hudson Std. Blue
BELT PANEL STRIPE	Deep Cream	Ivory Jet Black	Deep Cream	Deep Cream	Deep Cream
BONNET	Pharaoh Green	Ivory Jet Black	Elizabethan Blue	Malaga Maroon	Highway Gray
WOOD WHEELS	Pharaoh Green	Deep Cream	Elizabethan Blue	Malaga Maroon	Deep Cream
WOOD WHEELS STRIPE	Ivory Jet Black	Ivory Jet Black	Deep Cream	Deep Cream	Ivory Jet Black
WOOD WHEELS FLANGES	Pharaoh Green	Ivory Jet Black	Elizabethan Blue	Malaga Maroon	Highway Gray
WIRE WHEELS	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Black	Black	Black	Black	Black
SHUTTER ASSY.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
COLOR COMBINATION	Medium Green	Black	Medium Blue	Dark Red	Medium Gray

Additional color information and key to color chart on page two.

Essex Convertible Coupe

	STANDARD	No. 1 OPTION	No. 1 OPTION	No. 2 OPTION	No. 2 OPTION
STARTING CAR SERIAL NO.	937531 up	1094744	1145961	1094885 to 1145961 up	
UPPER BODY	Bayou Blue	Cashew Nut Tan	Malay Brown	Ivory Jet Black	Ivory Jet Black
LOWER BODY	Bayou Blue	Cashew Nut Tan	Malay Brown	Ivory Jet Black	Ivory Jet Black
BELT PANEL	Neptune Blue	Gazelle Brown	Derby Brown	Geneva Blue	Elizabethan Blue
BELT PANEL STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
BONNET	Bayou Blue	Cashew Nut Tan	Malay Brown	Ivory Jet Black	Ivory Jet Black
WOOD WHEELS	Bayou Blue	Gazelle Brown	Derby Brown	Geneva Blue	Elizabethan Blue
WOOD WHEELS STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WOOD WHEELS FLANGES			Derby Brown	Geneva Blue	Elizabethan Blue
WIRE WHEELS	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Bayou Blue		Derby Brown	Ivory Jet Black	Ivory Jet Black
SHUTTER ASSY.	Bayou Blue	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Bayou Blue	Gazelle Brown	Derby Brown	Ivory Jet Black	Ivory Jet Black
COLOR COMBINATION	Light Blue	Light Brown	Light Brown	Black	Black

Essex Phaeton

	STANDARD	STANDARD
STARTING CAR SERIAL NO.	962383 to 1139508	1139508 up
UPPER BODY	Antler Tan	Malay Brown
LOWER BODY	Antler Tan	Malay Brown
BELT PANEL	Ivory Jet Black	Derby Brown
BELT PANEL STRIPE	*Coach Vermilion	Deep Cream
BONNET	Antler Tan	Malay Brown
WOOD WHEELS	Antler Tan	Malay Brown
WOOD WHEELS STRIPE	*Coach Vermilion	Deep Cream
WOOD WHEELS FLANGES	Antler Tan	Malay Brown
WIRE WHEELS	Black	Black
WIRE WHEELS DRUMS	Black	Black
SHUTTER ASSY.	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Ivory Jet Black
COLOR COMBINATION	Tan	Light Brown

*Note: - At car 1136891 Sunnybrook Blue and Deep Cream were used in place of English Coach Vermilion.
Additional color information and key to color chart on page two.

Essex Roadster

	STANDARD	No. 1 OPTION	No. 1 OPTION	No. 2 OPTION	No. 2 OPTION
STARTING CAR SERIAL NO.	113238	1094753 to 1139055	1139055 up	1094840 to 1141537	1141537 up
UPPER BODY	Malaga Maroon	Cashew Nut Tan	Malay Brown	Sunnybrook Blue	Highway Gray
LOWER BODY	Malaga Maroon	Cashew Nut Tan	Malay Brown	Sunnybrook Blue	Highway Gray
BELT MOULDING	*Royal Chariot Red	Gazelle Brown	Derby Brown	Ivory Jet Black	Ivory Jet Black
BELT MOULDING STRIPE	Ivory Jet Black	Deep Cream	Deep Cream	Deep Cream	Deep Cream
BONNET	Malaga Maroon	Cashew Nut Tan	Malay Brown	Sunnybrook Blue	Highway Gray
WOOD WHEELS	*Royal Chariot Red	Gazelle Brown	Derby Brown	Sunnybrook Blue	Highway Gray
WOOD WHEELS STRIPE	Ivory Jet Black	Deep Cream	Deep Cream	Ivory Jet Black	Ivory Jet Black
WOOD WHEELS FLANGES	*Royal Chariot Red	Gazelle Brown	Derby Brown	Sunnybrook Blue	Highway Gray
WIRE WHEELS	Vermilion	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	*Royal Chariot Red	Gazelle Brown	Derby Brown	Sunnybrook Blue	Ivory Jet Black
SHUTTER ASSY.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Malaga Maroon	Gazelle Brown	Derby Brown	Ivory Jet Black	Ivory Jet Black
COLOR COMBINATION	Dark Red		Light Brown		Medium Gray

*Note: - At car 1138865 Taranto Red replaced Royal Chariot Red.

Essex Standard Sedan

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	1134969 up	1134971 up	1135891 up	1135011 up	1135016 up
UPPER BODY	Hudson Std. Blue	Ivory Jet Black	Derby Brown	Thorne Brown	Nebraska Green
LOWER BODY	Hudson Std. Blue	Ivory Jet Black	Derby Brown	Thorne Brown	Nebraska Green
BELT PANEL	Elizabethan Blue	Taranto Red	Thorne Brown	Malay Brown	Nebraska Green
BELT PANEL STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
BONNET	Hudson Std. Blue	Ivory Jet Black	Derby Brown	Thorne Brown	Nebraska Green
WOOD WHEELS	Elizabethan Blue	Taranto Red	Thorne Brown	Malay Brown	Pharaoh Green
WOOD WHEELS STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WOOD WHEELS FLANGES	Elizabethan Blue	Taranto Red	Thorne Brown	Malay Brown	Pharaoh Green
WIRE WHEELS	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Black	Black	Black	Black	Black
SHUTTER ASSY.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
COLOR COMBINATION	Dark Blue	Black	Medium Brown	Dark Brown	Dark Green

Additional color information and key to color chart on page two.

Essex Town Sedan

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	1134582 up	1134589 up	1134957 up	1134998 up	1134584 up
UPPER BODY	Malaga Maroon	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Elizabethan Blue
LOWER BODY	Malaga Maroon	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Highway Gray
BELT PANEL	Ivory Jet Black	Ivory Jet Black	Deep Cream	Highway Gray	Hudson Std. Blue
BELT PANEL STRIPE	Vermilion	Silver	Elizabethan Blue	Deep Cream	Deep Cream
BONNET	Malaga Maroon	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Highway Gray
WOOD WHEELS	Ivory Jet Black	Silver	Elizabethan Blue	Hudson Std. Blue	Hudson Std. Blue
WOOD WHEELS STRIPE	Vermilion	Ivory Jet Black	Deep Cream	Deep Cream	Deep Cream
WOOD WHEELS FLANGES	Ivory Jet Black	Silver	Elizabethan Blue	Hudson Std. Blue	Hudson Std. Blue
WIRE WHEELS	Vermilion	Silver	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Malaga Maroon	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Elizabethan Blue
SHUTTER ASSY.	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
FENDERS, SPLASH GUARDS, ETC.	Malaga Maroon	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Highway Gray
COLOR COMBINATION	Dark Red	Black	Medium Blue	Dark Blue	

Dover Commercial Car

	STANDARD
STARTING CAR SERIAL NO.	10001 up
BODY	Hudson Std. Blue
STRIPE	Deep Cream
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black
RADIATOR SHELL	Hudson Std. Blue
SHUTTER ASSY.	Ivory Jet Black
WHEELS	Hudson Std. Blue
WHEELS STRIPE	Deep Cream
COLOR COMBINATION	Dark Blue

Additional color information and key to color chart on page two.

Hudson Coach

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	880889 up	880869 up	880872 up	880880 up	881176 up
UPPER BODY	Thorne Brown	Ivory Jet Black	Hudson Std. Blue	Ivory Jet Black	Hudson Std. Blue
LOWER BODY	Thorne Brown	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Highway Gray
BELT PANEL	Ivory Jet Black	Elizabethan Blue	*Hudson Std. Blue	Elizabethan Blue	Elizabethan Blue
BELT PANEL STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
BONNET	Thorne Brown	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Highway Gray
WOOD WHEELS I	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Elizabethan Blue	Elizabethan Blue
WOOD WHEELS STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WOOD WHEELS FLANGES	Thorne Brown	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Hudson Std. Blue
WIRE WHEELS	Deep Cream	Deep Cream	Elizabethan Blue	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Thorne Brown	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black
SHUTTER ASSY.	Thorne Brown	Ivory Jet Black	Elizabethan Blue	Hudson Std. Blue	Highway Gray
FENDERS, SPLASH GUARDS, ETC.	Thorne Brown	Ivory Jet Black	Hudson Std. Blue	Hudson Std. Blue	Hudson Std. Blue
RUNNING BOARD SPLASH GUARDS		Elizabethan Blue			
COLOR COMBINATION	Dark Brown	Black	Medium Blue	Dark Blue	Medium Gray

*Note: - At car 884728 belt panel changed to Ivory Jet Black.

Hudson Coupe

	STANDARD	No. 1 OPTION	No.2 OPTION	No.3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	880848 up	880914 up	881008 up	880884 up	880897 up
UPPER BODY	Ivory Jet Black	Hudson Std. Blue	Derby Brown	Thorne Brown	Nebraska Green
LOWER BODY	Ivory Jet Black	Elizabethan Blue	Malay Brown	Thorne Brown	Nebraska Green
BELT PANEL	Taranto Red	Ivory Jet Black	Thorne Brown	Thorne Brown	Pharaoh Green
BELT PANEL STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
BONNET	Ivory Jet Black	Elizabethan Blue	Malay Brown	Thorne Brown	Nebraska Green
WOOD WHEELS	Taranto Red	Ivory Jet Black	Thorne Brown	Thorne Brown	Pharaoh Green
WOOD WHEELS STRIPE	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WOOD WHEELS FLANGES	Ivory Jet Black	Elizabethan Blue	Malay Brown	Deep Cream	Nebraska Green
WIRE WHEELS	Deep Cream	Deep Cream	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Ivory Jet Black	Ivory Jet Black	Malay Brown	Thorne Brown	Pharaoh Green
SHUTTER ASSY.	Ivory Jet Black	Elizabethan Blue	Malay Brown	Thorne Brown	Nebraska Green
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Hudson Std. Blue	Malay Brown	Thorne Brown	Pharaoh Green (Fenders only)
SPLASH GUARDS, ETC.					Nebraska Green
COLOR COMBINATION	Black	Medium Blue	Light Brown	Dark Brown	Dark Green

Additional color information and key to color chart on page two.

Hudson Convertible Coupe

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	827004 up	867554 up	868299 up		
UPPER BODY	Frosty Green	Mountain Mist Blue	Malaga Maroon		
LOWER BODY	Frosty Green	Mountain Mist Blue	Malaga Maroon		
BELT PANEL	Seacrest Green	Blue Hour	Ivory Jet Black		
BELT PANEL STRIPE	Deep Cream	Old Ivory	Deep Cream		
BONNET	Frosty Green	Mountain Mist Blue	Malaga Maroon		
WOOD WHEELS	Frosty Green	Blue Hour	Malaga Maroon		
WOOD WHEELS STRIPE	Deep Cream	Old Ivory	Ivory Jet Black		
WOOD WHEELS FLANGES	Frosty Green	Mountain Mist Blue	Ivory Jet Black		
WIRE WHEELS	Deep Cream	Old Ivory	Deep Cream		
WIRE WHEELS DRUMS	Frosty Green	Blue Hour	Malaga Maroon		
SHUTTER ASSY.	Frosty Green	Mountain Mist Blue	Malaga Maroon		
FENDERS, SPLASH GUARDS, ETC.	Frosty Green	Blue Hour	Malaga Maroon		
RUNNING BOARD SPLASH GUARDS, ETC.		Mountain Mist Blue			
COLOR COMBINATION	Medium Green	Medium Blue	Dark Red		

Hudson Landau Sedan

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	880341 up	868291 up	867940 up		
UPPER BODY	Ivory Jet Black	Rust Gold	Ivory Jet Black		
LOWER BODY	Pharaoh Green	Prairie Grass	Ivory Jet Black		
BELT PANEL	Ivory Jet Black	Rust Gold	Ivory Jet Black		
BELT PANEL STRIPE	Emerald Green	Deep Cream	Silver		
BONNET	Pharaoh Green	Prairie Grass	Ivory Jet Black		
WOOD WHEELS	Pharaoh Green	Rust Gold	Ivory Jet Black		
WOOD WHEELS STRIPE	Ivory Jet Black	Deep Cream	Silver		
WOOD WHEELS FLANGES	Pharaoh Green	Prairie Grass	Ivory Jet Black		
WIRE WHEELS	Pharaoh Green	Deep Cream	Aluminum Bronze		
WIRE WHEELS DRUMS	Ivory Jet Black	Rust Gold	Ivory Jet Black		
SHUTTER ASSY.	Pharaoh Green	Prairie Grass	Ivory Jet Black		
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Rust Gold	Ivory Jet Black		
RUNNING BOARD SPLASH GUARDS, ETC.		Prairie Grass			
COLOR COMBINATION	Medium Green	Tan	Black		

Additional color information and key to color chart on page two.

Hudson Phaeton (122")

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL	NO. 884502 up				
UPPER BODY	Highway Gray				
LOWER BODY	Highway Gray				
BELT PANEL	Hudson Std. Blue				
BELT PANEL STRIPE	Old Ivory				
BONNET	Highway Gray				
WOOD WHEELS	Highway Gray				
WOOD WHEELS STRIPE	Hudson Std. Blue				
WOOD WHEELS FLANGES	Hudson Std. Blue				
WIRE WHEELS	Old Ivory				
WIRE WHEELS DRUMS	Highway Gray				
SHUTTER ASSY.	Highway Gray				
FENDERS, SPLASH GUARDS, ETC.	Highway Gray				
COLOR COMBINATION	Medium Gray				

Hudson Roadster

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 2 OPTION
STARTING CAR SERIAL NO.	826719 up	867401 up	867495 to 875781	875781 up.
UPPER BODY	Ivory Jet Black	Mountain Mist Blue	Royal Chariot Red	Malaga Maroon
LOWER BODY	Ivory Jet Black	Mountain Mist Blue	Royal Chariot Red	Malaga Maroon
BELT PANEL	Marmora Green	Blue Hour	Malaga Maroon	Ivory Jet Black
BELT PANEL STRIPE	Emerald Green	Old Ivory	Vermilion	Deep Cream
BONNET	Ivory Jet Black	Mountain Mist Blue	Royal Chariot Red	Malaga Maroon
WOOD WHEELS	Emerald Green	Blue Hour	Malaga Maroon	Malaga Maroon
WOOD WHEELS STRIPE		Old Ivory	Vermilion	Deep Cream
WOOD WHEELS FLANGES	Ivory Jet Black	Mountain Mist Blue	Royal Chariot Red	Ivory Jet Black
WIRE WHEELS	Emerald Green	Old Ivory	Vermilion	Vermilion
WIRE WHEELS DRUMS	Emerald Green	Blue Hour	Malaga Maroon	Malaga Maroon
SHUTTER ASSY.	Emerald Green	Mountain Mist Blue	Royal Chariot Red	Malaga Maroon
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Blue Hour	Malaga Maroon	Malaga Maroon
COLOR COMBINATION		Medium Blue		Dark Red

Additional color information and key to color chart on page two.

Hudson Standard Sedan

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	880825 up	880877 up	880834 up	880827 up	880900 up
UPPER BODY	Hudson Std. Blue	Ivory Jet Black	Derby Brown	Nebraska Green	Ivory Jet Black
LOWER BODY	Elizabethan Blue	Ivory Jet Black	Malay Brown	Pharaoh Green	Highway Gray
BELT PANEL	Ivory Jet Black	Pharaoh Green	Thorne Brown	Highway Gray	Pharaoh Green
BELT PANEL STRIPE	Deep Cream	Deep Cream	Emerald Green	Deep Cream	Deep Cream
BONNET	Elizabethan Blue	Ivory Jet Black	Malay Brown	Pharaoh Green	Highway Gray
WOOD WHEELS	Ivory Jet Black	Pharaoh Green	Derby Brown	Highway Gray	Pharaoh Green
WOOD WHEELS STRIPE	Deep Cream	Deep Cream	Emerald Green	Deep Cream	Deep Cream
WOOD WHEELS FLANGES	Elizabethan Blue	Ivory Jet Back	Thorne Brown	Pharaoh Green	Ivory Jet Black
WIRE WHEELS	Deep Cream	Deep Cream	Emerald Green	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Elizabethan Blue	Ivory Jet Black	Thorne Brown	Nebraska Green	Highway Gray
SHUTTER ASSY.	Elizabethan Blue	Ivory Jet Black	Malay Brown	Pharaoh Green	Highway Gray
FENDERS, SPLASH GUARDS, ETC.	Elizabethan Blue	Ivory Jet Black	Thorne Brown	Nebraska Green	Highway Gray
RUNNING BOARD SPLASH GUARDS			Malay Brown		
COLOR COMBINATION	Medium Blue	Black	Light Brown	Medium Green	Medium Gray

Hudson Town Sedan

	STANDARD	No. 1 OPTION	No. 1 OPTION	No. 2 OPTION
STARTING CAR SERIAL NO.	923,004 up	867693 to 880414	880414 up	866721 up
UPPER BODY	Hudson Std. Blue	Reseda Green	Nebraska Green	Malaga Maroon
LOWER BODY	Hudson Std. Blue	Reseda Green	Nebraska Green	Malaga Maroon
BELT PANEL	Ivory Jet Black	Ivory Jet	Nebraska Green	Malaga Maroon
BELT PANEL STRIPE	Hudson Std. Blue	Deep Cream	Deep Cream	Deep Cream
BONNET	Old Ivory	Reseda Green	Nebraska Green	Malaga Maroon
WOOD WHEELS	Hudson Std. Blue	Ivory Jet Black	Ivory Jet Black	Malaga Maroon
WOOD WHEELS STRIPE	Old Ivory	Deep Cream	Deep Cream	Deep Cream
WOOD WHEELS FLANGES	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black	Malaga Maroon
WIRE WHEELS	Old Ivory	Deep Cream	Deep Cream	Deep Cream
WIRE WHEELS DRUMS	Black	Black	Black	Black
SHUTTER ASSY.	Ivory Jet Black	Reseda Green	Nebraska Green	Malaga Maroon
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black	Reseda Green	Nebraska Green	Ivory Jet Black
COLOR COMBINATION	Dark Blue	Dark Green	Dark Green	Dark Red

Additional color information and key to color chart on page two

Hudson Victoria

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.		873215 up	872577 up		
UPPER BODY	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black		
LOWER BODY	Nebraska Green	Rimini Blue	Ivory Jet Black		
BELT PANEL	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black		
BELT PANEL STRIPE	Deep Cream	Silver	Silver		
BONNET	Nebraska Green	Rimini Blue	Ivory Jet Black		
WOOD WHEELS					
WOOD WHEELS STRIPE					
WOOD WHEELS FLANGES					
WIRE WHEELS	Deep Cream	Aluminum Bronze	Aluminum Bronze		
WIRE WHEELS DRUMS	Nebraska Green	Ivory Jet Black	Ivory Jet Black		
SHUTTER ASSY.	Nebraska Green	Rimini Blue	Ivory Jet Black		
FENDERS, SPLASH GUARDS, ETC.	Nebraska Green	Ivory Jet Black	Ivory Jet Black		
RUNNING BOARD SPLASH GUARDS		Rimini Blue	Rimini Blue		
COLOR COMBINATION	Dark Green	Light Blue	Black		

Hudson Limousine

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL	NO. 41384 up				
UPPER BODY	Ivory Jet Black				
LOWER BODY	Vallibblue				
BELT PANEL	Pheasant Blue				
BELT PANEL STRIPE	Deep Cream				
BONNET	Vallibblue				
WOOD WHEELS					
WOOD WHEELS STRIPE					
WOOD WHEELS FLANGES					
WIRE WHEELS	Deep Cream				
WIRE WHEELS DRUMS	Ivory Jet Black				
SHUTTER ASSY.	Vallibblue				
FENDERS, SPLASH GUARDS, ETC.	Ivory Jet Black				
COLOR COMBINATION	Medium Blue				

Additional color information and key to color chart on page two.

Hudson Phaeton 5-Pass. (139")

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL	NO. 41384 up	45241 up			
UPPER BODY	Prairie Grass	Rimini Blue			
LOWER BODY	Prairie Grass	Rimini Blue			
BELT MOULDING	Rust Gold	Ivory Jet Black			
BELT MOULDING STRIPE	(None)	Silver			
BONNET	Prairie Grass	Rimini Blue			
WOOD WHEELS					
WOOD WHEELS STRIPE					
WOOD WHEELS FLANGES					
WIRE WHEELS	Prairie Grass	Aluminum Bronze			
WIRE WHEELS DRUMS	Rust Gold	Ivory Jet Black			
SHUTTER ASSY.	Prairie Grass	Rimini Blue			
FENDERS, SPLASH GUARDS, ETC.	Rust Gold	Ivory Jet Black			
RUNNING BOARD SPLASH GUARDS	Rimini Blue				
COLOR COMBINATION	Tan	Light Blue			

Hudson Phaeton 7-Pass. (139")

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	41385 upward				
UPPER BODY	Mountain Mist Blue				
LOWER BODY	Mountain Mist Blue				
BELT MOULDING	Blue Hour				
BELT MOULDING STRIPE	Deep Cream				
BONNET	Mountain Mist Blue				
WOOD WHEELS					
WOOD WHEELS STRIPE					
WOOD WHEELS FLANGES					
WIRE WHEELS	Deep Cream				
WIRE WHEELS DRUMS	Blue Hour				
SHUTTER ASSY.	Mountain Mist Blue				
FENDERS, SPLASH GUARDS, ETC.	Blue Hour				
COLOR COMBINATION	Medium Blue				

Additional color information and key to color chart on page two

Hudson Sedan 5-Pass. (139")

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	41384 up	44404 up	44427 up		
UPPER BODY	Ivory Jet Black	Rust Gold	Ivory Jet Black		
LOWER BODY	Ivory Jet Black	Prairie Grass	Rimini Blue		
BELT PANEL	*Karnak Green	Rust Gold	Ivory Jet Black		
BELT PANEL STRIPE	Ivory Jet Black	Deep Cream	Silver		
BONNET	Ivory Jet Black	Prairie Grass	Rimini Blue		
WOOD WHEELS					
WOOD WHEELS STRIPE					
WOOD WHEELS FLANGES					
WIRE WHEELS	**Karnak Green	Deep Cream	Aluminum Bronze		
WIRE WHEELS DRUMS	Ivory Jet Black	Rust Gold	Ivory Jet Black		
SHUTTER ASSY.	Ivory Jet Black	Prairie Grass	Rimini Blue		
FENDERS, SPLASH GUARDS, ETC.	*Karnak Green	Rust Gold	Rimini Blue		
RUNNING BOARDS, SPLASH GUARDS		Prairie Grass	Ivory Jet Black		
COLOR COMBINATION	Black	Tan	Light Blue		

*Changed to Ivory Jet Black with Silver stripe at car 41905.

**Changed to Aluminum Bronze at car 41905

Hudson Sedan 7-Pass. (139")

	STANDARD	No. 1 OPTION	No. 2 OPTION	No. 3 OPTION	No. 4 OPTION
STARTING CAR SERIAL NO.	42856 up	45166 up	45187 up		
UPPER BODY	Ivory Jet Black	Ivory Jet Black	Ivory Jet Black		
LOWER BODY	Brewster Green	Valliblu	Ivory Jet Black		
BELT PANEL	Ivory Jet Black	Pheasant Blue	Ivory Jet Black		
BELT PANEL STRIPE	Deep Cream	Silver	Silver		
BONNET	Brewster Green	Valliblu	Ivory Jet Black		
WOOD WHEELS					
WOOD WHEELS STRIPE					
WOOD WHEELS FLANGES					
WIRE WHEELS	Deep Cream	Deep Cream	Aluminum Bronze		
WIRE WHEEL DRUMS	Brewster Green	Ivory Jet Black	Ivory Jet Black		
SHUTTER ASSEMBLY	Brewster Green	Valliblu	Ivory Jet Black		
FENDERS, SPLASH GUARDS, ETC.	Brewster Green	Ivory Jet Black	Ivory Jet Black		
COLOR COMBINATION	Dark Green	Medium Blue	Black		

Additional color information and key to color chart on page two.

HUDSON MOTOR CAR COMPANY
DETROIT, MICH., U. S. A.

TECHNICAL SERVICE BULLETIN

TS 04-005

File Under: Service, Electrical

All Hudson and Essex Owners – 1929-1931

Types 8 and 9 Electrolock Service Instructions

NOTE: Type 9-B used on 1929-1931 Essex; 1929-1931 Hudson

TYPES 8-A, 9-A

DESCRIPTION: - These types Electrolocks differ from the Type 5 in that the lock cylinder does not spring out as the switch is unlocked and has simply a one-quarter turn rotary movement. The key hole in the lock is vertical with the switch locked. To turn on ignition, the key must be inserted and turned to the right. The key may then be removed as the switch locks automatically when the ignition is turned off by turning the lock cylinder back to the vertical position. The 'A' Type Electrolock has one terminal on the side of the case. This should be connected to the Ignition coil and the other coil terminal should be connected to a 'hot' terminal of the car wiring circuit ordinarily the discharge side of the ammeter. The Electrolock is coincidental in operation, grounding the coil and breaker through the switch mounting on the instrument board and the cable attachment on the distributor when the switch is turned off. No provision is made for the connection of gasoline gauges or other accessories to be controlled by the ignition switch and if devices of this kind are installed they must be provided with a separate switch, or a 'B' Type Electrolock installed.

To Remove Electrolock from Distributor. The Type 9 Electrolock is fitted with a 'serviceable timer end' and the Electrolock and cable assembly can be removed from the distributor housing and replaced. To remove the snap terminal assembly (distributor housing assembly) from the Electrolock, first remove snap terminal assembly and cable from distributor. Then cut the terminal post to remove the grounding cup and insulating washer. This will expose the timer end nut which is staked in place. Unscrew the nut, using the special spanner wrench designed for this purpose (see illustration). The snap terminal assembly can then be removed with the timer end lock ring attached to the terminal stud. In reassembling a new terminal stud and lock ring must be used. The timer end contact spring assembly on the cable can also be disassembled by using the special wrench to unscrew the nut. In reassembling, replace parts in the same order, making certain that the insulating washers are in place and stake nuts to prevent their working loose in service.

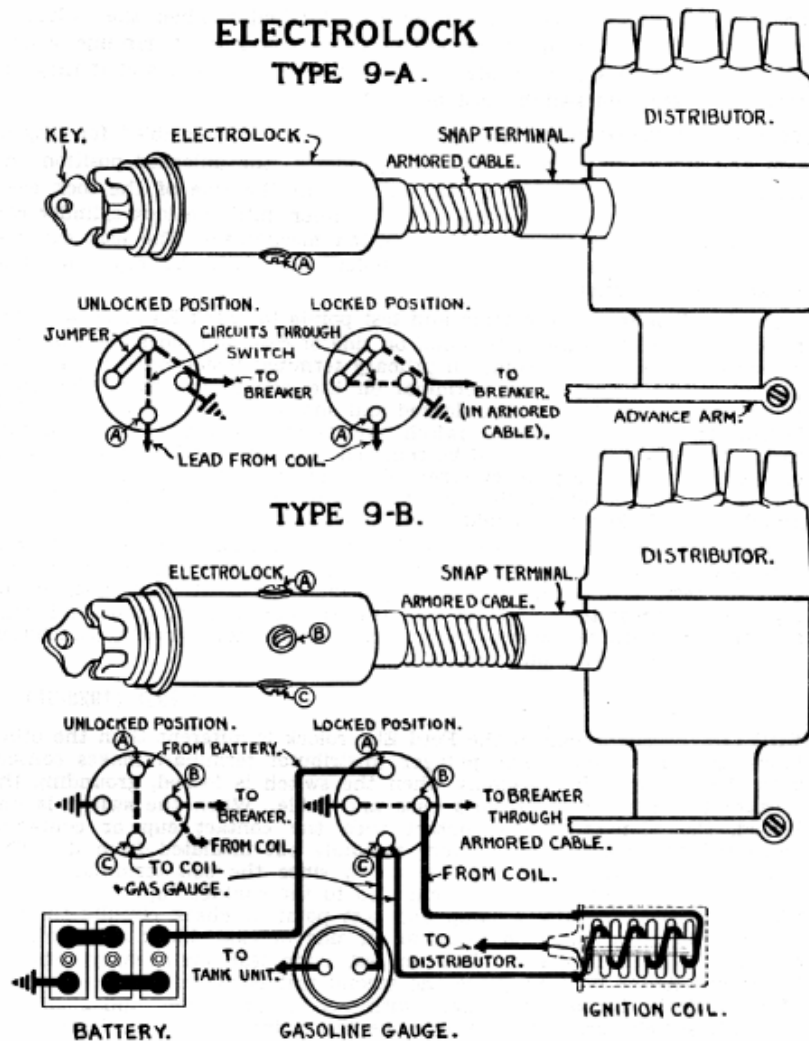
SERVICING ELECTROLOCK: - The Electrolock can be disassembled for inspection and service by turning the lock cylinder to the unlocked position and then removing the small screw in the side of the case. The lock cylinder and rotary contact assembly should be withdrawn, terminal screws removed, and contact base pushed out of the lock case. All parts can then be inspected and repairs made.

Trouble Shooting. Use a lamp and test points to check Electrolock switch circuits. Disconnect wire at terminal on side of case and block open breaker contacts. Place one test point on primary terminal inside breaker case and the other test point on the terminal on the side of the case. The lamp should light with the switch unlocked and should not light with the switch locked. If test lamp indicates switch circuits are not being completed correctly, the lock cylinder should be removed and the switch inspected. With one test point on the primary terminal inside the distributor housing place the second test point on the lock case. The lamp should light with the switch off or locked and should go out when the switch is unlocked.

If the lamp remains lighted with the switch unlocked, the Electrolock is grounded or the condenser is grounded. Disconnect the condenser and repeat the test. If this indicates that the condenser is at fault it should be replaced. If these tests indicate that the Electrolock is all right and Ignition trouble continues, check the ignition coil, breaker contacts, distributor, spark plugs and spark plug cables.

TYPES 8-B, 9-B

DESCRIPTION: - The 'B' Type Electrolock is similar in design to the 'A' Type except that it is provided with three terminals on the side of the case and should be used when gasoline gauges or other accessories are used which must be controlled by the ignition switch. The ignition lead is connected to one terminal on the case and the two coil leads are connected to the other two terminals. The gasoline gauge and other accessories should be connected to the feed terminal of the coil on the case (and never to the breaker lead from the coil). The breaker lead from the coil is completed through the Electrolock armored cable in the usual manner and the coil and breaker are grounded when the switch is locked.



SERVICING DISTRIBUTOR AND ELECTROLOCK:-The Electrolock is removed and serviced in exactly the same manner as the Type 9-A. In making tests with lamp and test points, disconnect wires at Electrolock terminals and use terminal marked 'Coil.' In rewiring ignition circuit make certain that all leads are insulated down to the screw heads to avoid any possibility of short circuit to the case. Never use grease or oil in the lock cylinder. If the tumblers stick a small amount of graphite may be used on them.

MARVEL
CARBURETER

AND
HEAT CONTROL

As Used on 1929

Hudson Super-Six

“BOOKLET VB”

MARVEL CARBURETER CO.

FLINT, MICHIGAN

U. S. A.

Model “VB” Carbureter

Used on 1929 Essex Super-Six Cars

The carbureter measures the fuel charges for the engine and automatically mixes them with the proper amount of air to form a highly combustible gas. The Marvel model “vb” carbureter is of the automatic air valve, heat controlled type. Its outstanding advantages are:

1. Simplicity of adjustment and operation.
2. Quick starting in any weather.
3. Automatic and manually controlled heat application to insure complete vaporization of fuel and maximum quick warming-up in coldest weather, thereby reducing overuse of the choker and resultant crankcase dilution to the minimum.
4. Economy in fuel consumption.
5. Ease of adjustment of heat control to meet varied driving and climatic conditions.

CONSTRUCTION

The construction embodies a main body or mixing chamber and a conventional float chamber bowl with fuel strainer attached at point of entrance of fuel to bowl. Within the mixing chamber are three nozzles which proportion the amount of gasoline used in the mixture. These nozzles of the fixed opening non-adjustable type. One of these nozzles, called the “low speed” is situated in a fixed air opening, the venturi, The other two, called the “high speed” and “intermediate high speed” , are controlled by the automatic air valve, and located under same. An air screw is provided which regulates the pressure of the air valve spring enclosed therein. This constitutes the only mixture adjustment on the carbureter. Within this screw is also enclosed a plunger connected by a link to the air valve.

The function of this plunger is to provide a resistance in addition to that of the air valve spring to assist in acceleration. This arrangement of plunger and air valve screw is termed the dash pot.

A further control of the high speed jet is provided by the "economizer" which is a fuel metering valve operated by the carburetor throttle. This valve provides the maximum fuel feed to the "high speed" nozzle when the throttle is fully opened for high speeds, hill power and for quick "pick-up". During the ordinary driving ranges this valve controls the amount of fuel being used, thus providing all the economy possible. This valve is entirely automatic and requires no adjustment.

CHOKER AND BY-PASS

A choke button is provided on the instrument board to assist in starting. Pulling out this button does two things in the carburetor. First, it closes a butterfly choker valve in the air inlet of carburetor, which restricts the air opening and consequently produces a very rich mixture for starting. Second, thru inter-connection of the choker lever and by-pass valve (See cuts p. 4-5), this motion likewise opens a passage between mixing chamber, just above low speed nozzle, and the intake manifold passage, just above the throttle. (See sketch page 4). Due to the higher suction existing above the throttle, the over-rich starting mixture is therefore immediately drawn thru the fixed opening in by-pass valve, up past the throttle and on into the engine. Partial release of the choker button on instrument board after starting, releases choker valve so that it positions itself to the needs of the engine due to the action of the counterweights attached to this choker valve, which now becomes automatic in its action, the weights allowing the valve to open or close automatically, depending on the engine speed and the quantity

of air passing thru carbureter. This partial release of choker button does not, however, change position of by-pass valve opening, which remains open, and engine therefore runs at an increased idling speed during this period, same as would be obtained if the throttle were manually opened slightly and there was no by-pass valve. This gives the car a speed of approximately 14 to 15 miles per hour on the road automatically, without the necessity of opening throttle, and is of great assistance in getting under way after starting a cold engine.

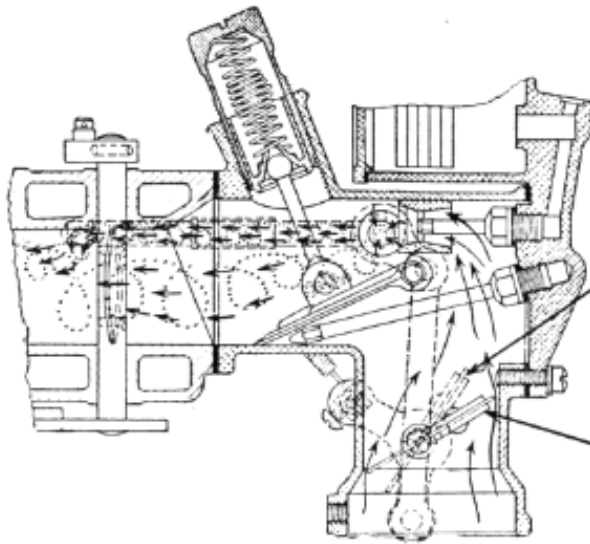
Reference to sketch on page 4 will show this action, and likewise the position of choker valve.

As soon as engine is sufficiently warmed up to drive with choker button completely released, by-pass valve returns to its normal position shown in sketch on page 5 and choker valve is automatically locked in wide open position.

HEAT CONTROL

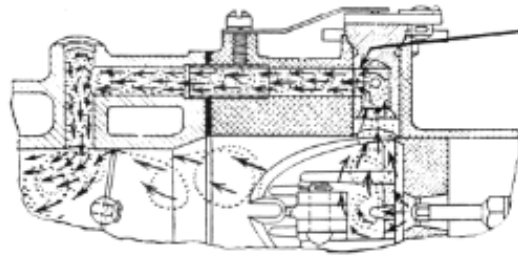
The carbureter and manifolds have been designed to utilize the exhaust gases of the engine to insure complete vaporization and a consequent minimum consumption of fuel. This is accomplished by an exhaust jacket in a double walled riser placed between the carbureter and the intake manifold. This riser is connected to the exhaust manifold in such a manner that the exhaust gases pass between the walls of the riser, through the heat jacket and the outlet to the exhaust pipe. The amount of heat thus furnished to the riser is controlled by two valves: one in the main exhaust above the exhaust outlet from the riser and one in the exhaust inlet and of riser heat jacket.

The valve in the main exhaust is connected to the throttle lever of carbureter in such a manner that the greatest amount of heat is had in the jackets of riser when the throttle is only partly open, as in idling

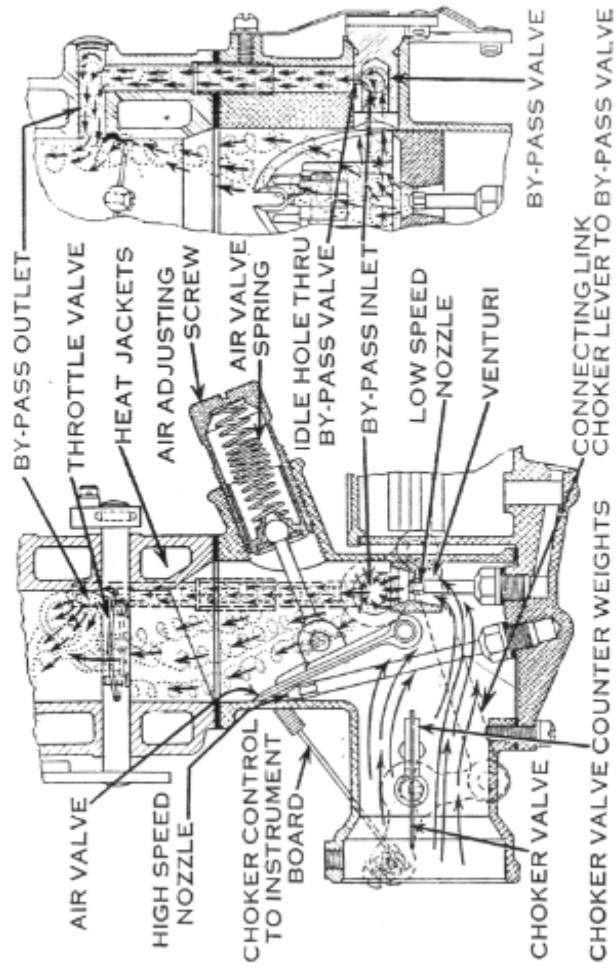


CHOKER-15 MPH

Showing action of automatic choker, and showing action thru by-pass valve on starting and warming up



STARTING HOLE THRU BY-PASS VALVE



Showing choker in normal open position and showing idle action thru by-pass valve in normal running position

and at low speeds, and a decreasing amount as the throttle is opened further for higher speeds. By means of the heat control lever below instrument board this automatic action of the heat valve may be varied to suit weather and driving conditions.

The valve described above in main exhaust line at rear end of engine is housed in a separate casting. On the front side of this casting will be noticed a boss acting as a locating stop for the damper valve lever. This stop indicates the closed position of the damper valve and is to be used in assembling control rod to carbureter, the normal position of damper valve lever being against this stop boss when heat control on instrument board is set at "Hot" position and throttle is closed.

The control lever below instrument board operates the valve in the exhaust inlet of the riser heat jacket simultaneously with the valve in the main exhaust and an adjustment by moving control lever to "Cold" may be had to the point where no exhaust gases pass thru the riser jacket thereby shutting off all the heat.

Gases from the main exhaust enter at opening "N" at back of riser (see cut on page 9) and pass through riser jackets, returning to exhaust pipe below valve "A".

It will be noted in cut that valve "A" is connected by means of connecting rod "H" to roller "E" operating in slot "D" of cam "C". The roller "E" is connected by means of a short, loose jointed, free lever, to lever "F" which in turn is attached in fixed position to throttle shaft "G". As throttle is opened, valve "A" is also opened due to the roller "E" at end of connecting rod "H" following the slot "D" in cam plate "C". Thus the volume of heat through heat jackets of riser will be lessened as the engine speed increases, depending upon the position of cam "C" controlled by lever "J". In the cut on

page 9 showing "Hot" or WARM UP POSITION, owing to action of slot "D" in cam "C" on position of valve "A" as throttle is opened, valve "A" is caused to remain closed (thus insuring most heat) until engine has attained a speed of approximately forty to forty-five miles per hour, after which at higher speed it opens automatically and rapidly to "wide open" thus insuring against back pressure and overheating.

The valve "B" in riser heat inlet is connected by a lever and link To the cam "C", the position of which is controlled by the lever "J" as stated. In the "Hot" or WARM UP POSITION it will be noted in cut this valve "B" is held wide open.

In the cut on page 10 showing "Medium" Driving Position, owing to the cam "C's" position having been changed from "Hot" by the control lever "J" below instrument board to half way down or "Medium," the valve "A" opens directly with the opening of the throttle, thus insuring less heat than in the "Hot" position but sufficient for normal driving. It will be noted in the cut that valve "B" in this setting is now partly closed.

The "Medium" setting of control lever should be used as soon as engine is warm and will give the best economy and performance under normal driving and weather conditions, and also when driving cross country in winter. If weather is very cold, after warming up in "Hot," drive with lever "J" further toward "Hot" from "Medium" or in the "Warm" position, especially if driving around town making frequent stops. If temperature of air is 85 or above, drive with lever "J" further toward "Cold" from "Medium" or on "Cool," and in extremely hot weather on "Cold."

For economy and best engine performance it is essential that driving be done with control lever "J" as near center at "Medium"

position as shown in cut on page 10 as driving and weather conditions permit.

In cut on page 11 showing "Cold" position owing to the cam "C's" position being still further changed by the control lever "J" below instrument board, the valve "A" at CLOSED THROTTLE POSITION is already open partially, and opens quickly with the throttle to full wide open position. At the same time it will be noted that valve "B" has been closed by cam "C," thus insuring in this setting no heat circulation through the system.

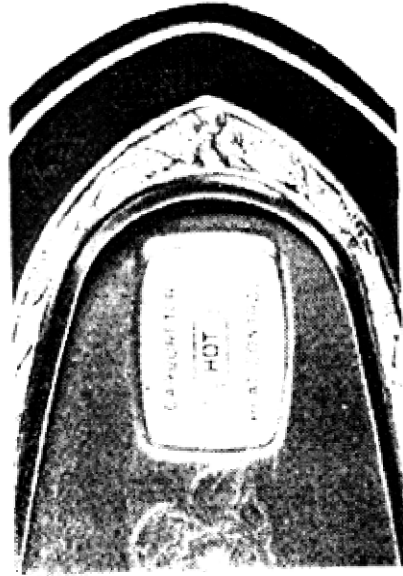
This, as stated, is the setting used only during hot weather or under certain constant heavy road conditions when the engine appears to lose power because of too much heat.

STARTING

To start engine, pull out choke button all the way. Advance spark lever about halfway and depress starter pedal.

The moment the engine fires the choke button should be pushed in very slightly and engine allowed to run at by-pass speed for a few minutes. If engine hesitates, pull out choke button slightly and push back in to a point where engine runs smoothly during this short period, the object being to secure momentarily a richer mixture to assist engine in warming up. Even in zero weather it is not necessary to run with choker out, except momentarily when just starting cold engine.

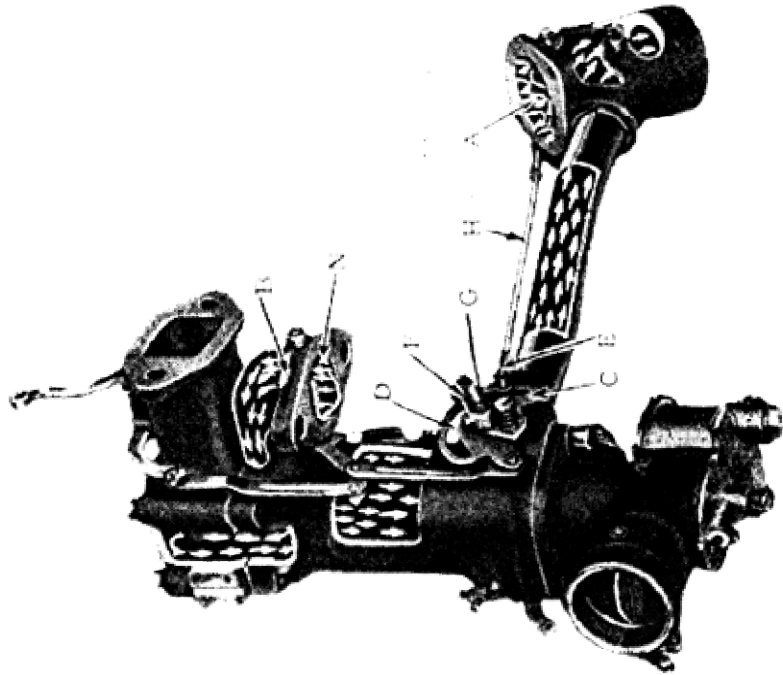
It should be remembered in cold weather, as stated above, that the setting of the heat control largely controls the performance.

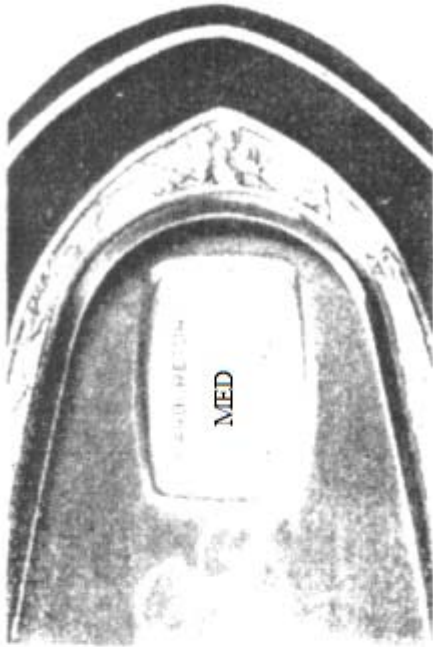


"HOT" OR WARM UP POSITION

Showing position of lever "J" below instrument board at "Hot" position and cam "C" on carburetor for supplying the most heat.

Valve "A" in main exhaust pipe closed and valve "B" inlet of riser body wide open, allowing maximum flow of heat. As throttle is opened valve "A" remains closed up to approximately 40-45 miles per hour, then opens wide with wide open position of throttle.

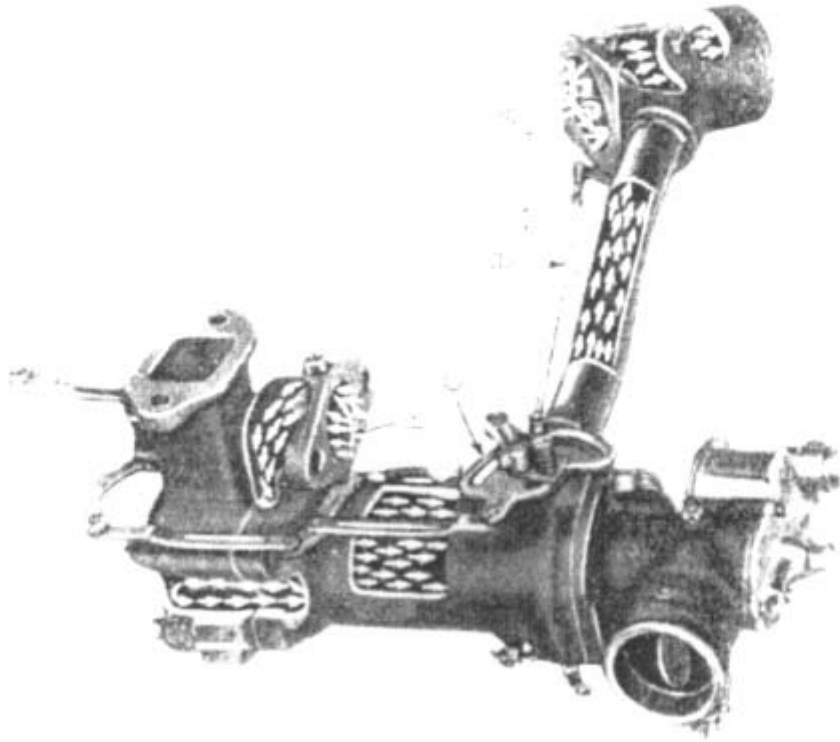


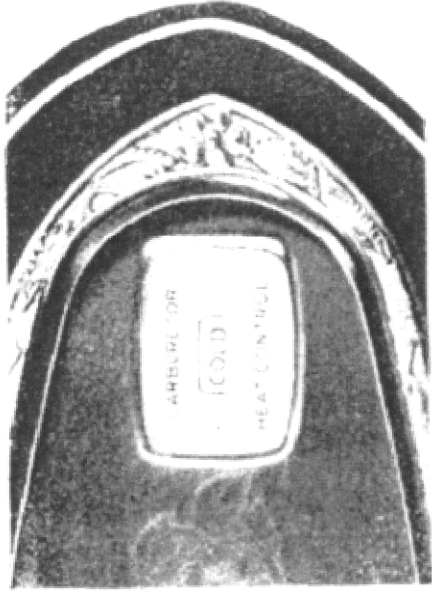


"MEDIUM OR NORMAL DRIVING POSITION"

Control lever "J" below instrument board in Center at "Medium" position allowing sufficient flow of heat for normal driving and moderate weather conditions.

Valve "A" nearly closed at closed throttle position but opening quickly and promptly as throttle is opened. Valve "B" slightly closed.



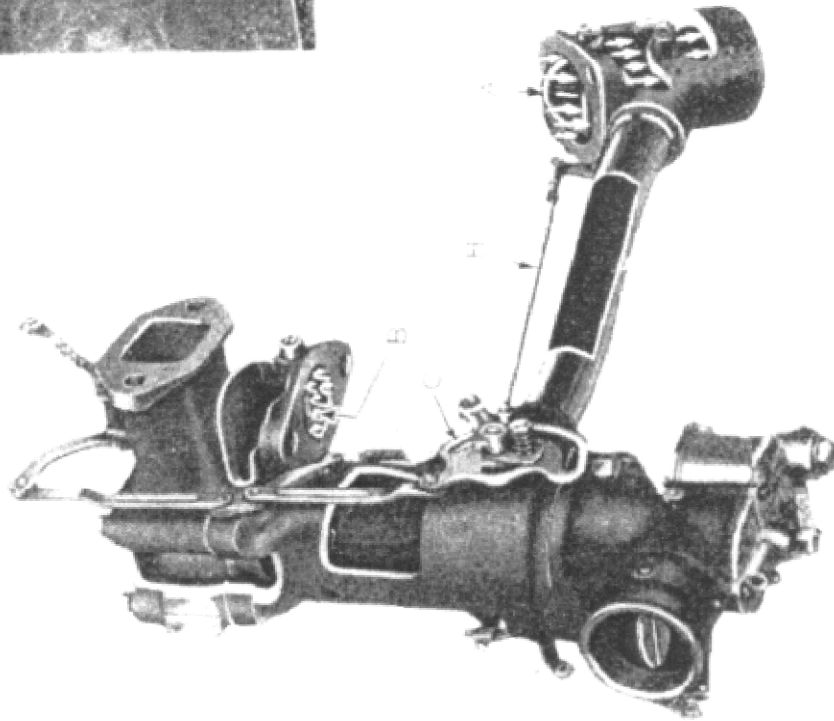


"COLD" OR HOT WEATHER DRIVING POSITION

Heat control lever "J" below instrument board at end of travel shutting off heat flow entirely.

Valve "A" half open and valve "B" fully closed.

In this setting for exhaust gasses pass through the riser jackets. As throttle is opened valve "A" will also open to wide open.



Therefore in cold weather, drive with heat enough to provide the same, which will not be obtained if control is in "Cool" position.

ADJUSTMENT

No change should be made in the carbureter adjustment until after an inspection has been made to determine if the trouble is in some other unit. It should be noted that the gasoline lines and strainer are clear, that there is gasoline in the vacuum tank, that there are no leaks at connections between carbureter and engine, that the ignition system is in proper condition, and that there is even compression in all cylinders.

If it is necessary to test adjustments or to make a readjustment proceed as follows:

Set air screw so that end is flush with the end of ratchet spring bearing against it.

Set heat control in "Warm" position, and leave in this position while making adjustment. Pull out choker to closed position and start engine in usual manner. As soon as engine has fired, release choker VERY SLIGHTLY. Run for a few moments until engine has warmed up, remembering never to use choker more than necessary, as when not needed it has a tendency to foul up engine and ruin the lubricating oil in the crankcase.

Next, set air screw for good idle by either turning in to the right a little or backing out to the left as the needs of the engine require.

With the engine warmed up, the adjustment of the air screw for proper idling is easily accomplished by using a little care. If the air screw is turned in too tight, the motor will roll or appear sluggish. If the air screw is not tight enough, the motor will hesitate and stumble, and perhaps stop entirely. To make a nice clean adjustment for idle turn air screw back to the left until engine hesitates, indicating that mixture has too much air and is too lean; next turn air screw in to the right three or four notches at a time until engine

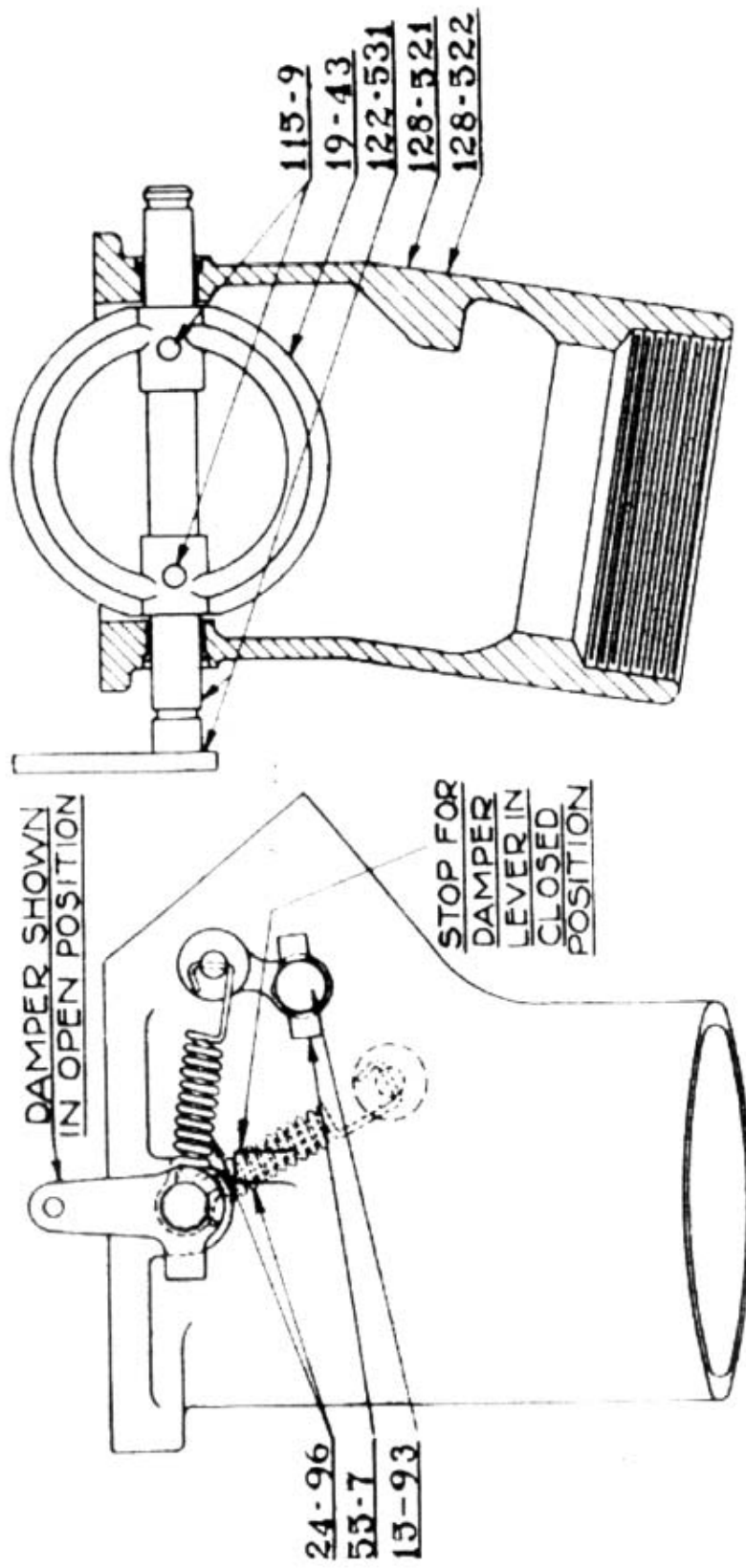
until engine runs smoothly. This idle setting accomplished, by proceeding as directed above, the proper carbureter adjustment for the entire range of the engine will have been attained.

If the engine idles too fast with throttle closed, the latter may be adjusted by means of the throttle lever adjusting screw.

ALTITUDE CHANGES

No change is necessary for touring through mountainous country but for cars operating permanently in territory of 4000 feet elevation or over we advise going to the nearest Hudson-Essex dealer or Marvel service, station and changing to 49-130- D-28 High Speed Jet and 49-170-E-24 Intermediate High Speed Jet for the best results in such altitude territory.

Do not, under any circumstances, make this change unless operating permanently above 4000 feet elevation.



DAMPER BODY ASSEMBLY for 1929 Hudson Super-Six

PARTS PRICE LIST

MARVEL CARBURETER

Model "VB"

For 1929 HUDSON SUPER-SIX

Part No.	Name	Price
10-168	Carbureter Body	6.00
10-724	Carbureter Assembly	\$22.00
10-725	Carbureter & Riser Assem.	32.00
12-614	Throttle Lever & Shaft. Assem.	1.00
14-24	Throttle Fly	.25
15-5	Bowl Cover Screw	.05
15-14	Ratchet Spring & By-pass Spring Screw	.05
15-17	Bowl to Body Screw	.05
15-23	Throttle & Choker Fly Screw	.05
15-32	Pilot Set Screw	.05
15-33	Throttle Adj. Screw Lock Screw	.05
15-35	Choker Swivel Screw	.05
15-42	Throttle Adjusting Screw	.05
15-60	Spacer Block Screw	.05
15-62	Carbureter to Riser Cap Screw	.05
15-95	Choker Sleeve & By-pass Valve Stop Screw	.05
15-96	Choker Stop Screw	.05
15-99	Channel Plug Screw 1/4"	.10
15-106	High Speed Channel Plug Screw	.10
16-41	Bowl to Body Gasket	.05
16-47	Float Valve Seat & Metering Pin Plug Gasket	.05
16-120	Channel Plug Screw Gasket 1/4"	.05
16-121	Strainer Gasket	.05.
16-125	Bowl Cover Gasket	05
16-128	Intermediate High Speed Standpipe, Low Speed Nozzle & High Speed Standpipe Gasket	.05
16-138	Low Speed Nozzle Nut Gasket	.05

Part No.	Name	Price
16-146	Carbureter to Riser Flange Gasket	.40
17-505	Damper Conn. Rod Assem. (Cam End)	.40
17-506	Damper Conn. Rod Assem. (Bell Crank End)	.40
18-539	Damper Lever, Shaft. Fly & Rivet Assem.	1.75 .60
23-15	Air Adjusting Screw	.15
24-28	Flusher Spring	.15
24-49	Cam Friction Spring	.15
24-51	Ratchet Spring	.15
24-74	Cam Roller Link Friction Spring	.15
24-96	Damper Spring	.15
24-102	Choker Spring	.15
24-106	By-pass Valve Spring	.15
14-115	Air Valve Spring	.35
15-571	Choker Lever & Clutch Sleeve Assembly	1.00
26-43	Choker Shaft	.30
27-501	Choker & Counterbalance Weight Assembly	.40
28-17	Choker Swivel	.25
30-518	Float & Lever Assembly	1.00
33-501	Float Lever Shaft & Head Assembly	.20
35-512	Float Valve Assembly	.75
36-41	Float Valve Seat	.55
37-1	Lead Shot	.05
44-3	Metering Pin Packing	.10
45-8	Low Speed Nozzle Packing Nut	.15
17-9	Low Speed Nozzle	.50
45-528	High Speed Standpipe Assem.	.50
48-535	Intermediate High Speed Standpipe Assem.	.50
49-140-D-28	High Speed Jet	.30
*49-160-D-28	High Speed Jet	.30
49-220-E-24	Intermediate High Speed Jet	.30
49-180-E-24	Intermediate High Speed Jet	.30

Part No.	Name	Price
51-523	Air Valve & Dash Pot Plunger Assembly	1.75
52-12	Air Valve Shaft	.20
55-8	Metering Pin Packing Retainer	.10
56-37	Bowl Cover	.50
56-520	Bowl Cover Assembly	1.00
58-5	Flush Plunger	.15
62-8	Cam Lever Pin	.10
62-10	Metering Pin Link Pin	.05
62-24	Dash Post Plunger Road Pin	.05
65-586	Bowl & Plug Assembly	2.50
65-587	Bowl Assembly (Complete)	11.00
69-3	5/16" Flared Tube Ell	.20
78-2	Carbureter to Riser Cap Screw Lock Washer	.05
78-5	Ratchet Spring Screw, Bowl To Body Screw & By-pass Valve Spring Screw Lock Washer	.05
78-37	Flusher Plunger Washer	.05
78-62	Choker Sleeve Screw & Choker Stop Screw Lock Washer	.05
80-9	Metering Pin Plug	.20
80-509	Strainer Plug & Gauze Assem.	.45
82-1	Air Fly Shaft Cotter Key 1/16" x 1/2"	.05
82-11	Flusher Plunger Cotter Key 1/64: x 3/8"	.05
82-14	Choker Swivel, Dash Pot Plunger Rod Pin, By-pass Link, Cam Roller Link Friction Spring, Conn. Rod Cam End, Conn. Rod Bell Crank End. & Metering Pin Link Stud. Cotter Key	.05
83-7	Cam Friction Stud	.10
83-506	Cam Roller Stud & Link Assem.	.30
84-093-C	Metering Pin Jet	.30
*84-090	Metering Pin Jet	.30
111-10	Spacer Block	.40

Part No.	Name	Price
119-520	Dash Pot Plunger, Rod & Washer Assembly	.90
146-562	Riser, Lining, Bushing & Damper Assembly	5.50
146-563	Riser, Lining, & Bushing Assembly	4.50
146-564	Riser, Assembly (Complete)	11.00
156-24	Damper Control Cam	.50
160-16	Cam Lever	.50
160-509	Cam Lever, Link & Roller Assembly	1.24
168-70	Metering Pin Link	.20
168-502	By-pass Link Assembly	.40
173-528	Metering Pin Assembly	.50
173-544	Metering Pin & Link Assembly	.75
174-1	by	.20
214-502	Cam Friction Plate	
	By-pass Valve & Lever Assembly	.50

*NOTE: This change of calibration went into effect after carburetor serial number 9088214 and though not necessary to change on older models, this is advisable if owner complains of lack of driving "feel" or ruggedness in job below 25 miles per hour. Carburetors having this new calibration, have letter B stamped on outside of fuel bowl at bottom next to body.

HUDSON MAIN DAMPER PARTS

15-93	Heat Tube Stop Screw	.10
16-116	Damper Body Flange Gasket	.10
19-43	Damper Fly	1.00
24-96	Damper Spring	.15
55-7	Heat Tube Stop Screw Retainer	.05
115-9	Damper Fly Rivet	.05
122-531	Damper Lever & Shaft Assembly	1.00
124-11	Exhaust Tube Packing Collar	.20
126-40	Exhaust Outlet Tube	.20
127-7	Exhaust Pipe Packing	.05 Ft.
127-8	Exhaust Tube Packing	.05 Ft.
128-521	Damper Body Assembly Complete	4.00
128-522	Damper Body & Bushing Assembly	1.50

Marvel Distributors and Service Stations

*NOTE: Marvel Distributors in charge of service stations in this territory. Carries a complete stock of carbureters and parts. Overhauls and rebuilds carbureters in addition to giving service.

Aberdeen, Washington - Hood Automotive Service Company.

Akron, Ohio - The Maibohm Battery & Ignition Company.

Albany, N. Y. - 412 Hamilton Street - John F. Pierce Garage.

Allentown, Pa. - 1041 Hamilton Avenue - Motor Accessories Company.

*Baltimore, Md. - 25th Street and Homewood Ave. - Baltimore Automotive Corp.

Bellingham, Washington - Paul Tiffany

*Birmingham, Alabama - Ave. B and 23rd. St. - Birmingham Electric Battery Co.

*Boston, Mass - 335 Newbury Street - Marvel Carbureter Sales Company.

Brooklyn, N. Y. - 1061 Atlantic Avenue - E. A. Wildermuth.

Buffalo, N. Y. - 1557 Main St. - J. B. Clark

Canon City, Colorado - 708 - Main Street - Bliley-Walker Service Station.

Casper, Wyoming - 136 E. Midwest Avenue - Auto Electrical Company.

Centralia, Illinois - Motor Specialty Company.

*Charlotte, N. C. - Woodside Motor Company.

*Chattanooga, Tenn. - 318 Market Street - Hassler Brothers.

*Chicago, Illinois - 2427-31 S. Prairie Avenue - Marvel Carbureter Sales Company.

Cincinnati, Ohio - Carburetor Service Station

*Cleveland, Ohio - 2013 East 65th Street - Fred Crandall Company.

Cleveland, Ohio - 4310 Carnegie Avenue - Wright Carbureter & Ignition Co.

*Columbia, S. C - 1111 Taylor Street - Standard Parts Corp.

*Columbus, Ohio - Hughes Scott Co.

*Dallas, Texas - 1500 Young St. - The Beach-Wittmann Company.

Dallas, Texas - J. J. Gibson Company.

Davenport, Iowa - Emeis Electrical Service - 218 Iowa Street.

Dayton, Ohio - 339 S. Jefferson St. - Carbureter Sales & Service Co.

*Denver, Colorado - The Auto Electric Appliance Company - W. 13th & Acoma St.

*Des Moines, Iowa - 1309-19 Locust Street - Iowa Auto Market.

*Detroit, Michigan - 3127 Jefferson East - Greenleaf Incorporated.

*El Paso, Texas - 409 Montana Street. - Maloney Battery & Ignition Co.

Enid, Okla. - Silver's Electric Station & Garage.

Erie, Pa. - 216 W. 12th St. - F. W. Seemann
 Everett, Washington - 2817 Rucker Avenue - Proctor Motor Company.
 Glendale, California - 217 W. Colorado - Parker & Black
 Grand Rapids, Mich. - 53 Commerce Ave. N. W. Electric Service Station.
 Great Bend, Kans. - Scheufler Tire & Supply Co.
 Greeley, Colo. - 17 10th St. - The Mutual Battery & Electric Co.
 Hanford, Calif. - Cousins Tractor Co.
 Harrisburg, Pa. - 112-18 Cameron St. - E. Mather Co.
 Hoisington, Kans. - M. Bell Battery & Electric Co.
 Houston, Texas - 1507 Fannin St. - Westbrook Carbureter & Electric Co.
 Huntington, W. Va. - Rear 538 4th Ave. - Jack Warner's Garage.
 Indianapolis, Ind. - 733-35 N. Capital - Madden-Copple, Inc..
 Jamaica, L. I, N. Y. - 104 Smith St. - Fogarty Bros.
 Jamestown, N. Dak. - H. W. Lyons.
 Kankakee, Ill. - Fortin Brothers.
 *Kansas City, Mo. - 1820-22 McGee St. - The Beach Wittmann Co.
 *Knoxville, Tenn. - 307-11 N. Central St. - McNutt & Burks. Inc.
 Lansing, Mich. - 400 N. Washington - Capital Battery Shop.
 Lewiston, Idaho - Robinson Battery & Ignition Co.
 Liberal, Kans. - Motor Parts & Supply Co.
 *Lincoln, Nebr. - 1637 "P" St. - Parkhurst AUTO ELECTRIC Co.
 Long Beach, Calif. - 1009 Americari Ave. - Helme Brothers Co.
 Los Angeles, Calif. - 1837 S. Flower St. - Marvel Carbureter Sales Co.
 Louisville, Ky. - 917 S. 2nd St. Rear - Strader Electric & Carbureter Repair Co.
 Marshfield, Oregon - P. J. Rooney Co.
 *Memphis, Tenn. - Union and Marshall Aves. - McGregor's.
 *Milwaukee, Wis. - Van Buren St. - Wiscunsin Magneto Co.
 *Minneapolis, Minn. - 2nd Ave. N, 3rd St. - W. S Nott Co.
 Montgomery, Ala. - Auto Electric Service Co.
 Mt. Vernon, Wash. - Carl E. Lindberg Co.
 *Nashville, Tenn. - 1227 Broad St. - The Chapman Co.
 New Castle, Ind. - John W. Shopp.
 Newport News, Va. - H. & W. Motor Corp.
 New York City, N. Y. - 225 W. 64th St. - C. I. Barrows.
 *New York City, N. Y. - 242 W. 69th St. - Marvel Carbureter Sale's Co.

Oklahoma City, Okla. - 6 E. 5th - Herman Reuter Service.
 *Oklahoma City, Okla. - 706 Broadway - The Beach-Wittmann Co.
 Oakland, Calif. - 23rd and Veldex - G. E. S. Co.
 Ontario, Calif. - Cochran & Nichols.
 Pasadena, Calif. - 165 S. Fair Oaks - Kay & Burbank Co.
 Philadelphia, Pa. - 1625 N. Syclyenham St. - Marvel Carbureter Sales Co.
 Phoenix, Ariz. - 315 N. Central Ave. - Motor Supply, Co.
 Pittsburgh, Pa. - 5157 Liberty Ave. - Electrical Equipment Service Co.
 Pittsburgh, Pa. - 5209 Baum Blvd. - Carbureter & Ignition Co.
 Pomona, Calif. - Garey Ave. & Holt - C. R. May.
 Porterville, Calif. - Hayden & Ilayden.
 Portland, Oregon - L. H. Buntzel Co.
 Portland, Oregon - 111 13th St. - Henry Ward & Co.
 *Raleigh, N. C. - 215 E. Davie St. - Motor & Equipment Co.
 *Richmond, Va. - 501-11 W. Broad St. - Lane Bowles Co.
 Richmond, Va. - McKinnin Motor Co.
 Rochester, N. Y. - 335 Court St. - Standalrd Battery Service
 Rockford, Ill. - Phillips Battery & Electric Co.
 *Salt Lake City, Utah - 475 S. Main St. - Automotive Electric Service Co.
 *San Antonio, Texas - Westbrook Carbureter & Electric Co.
 San Diego, Calif. - 929 Columbus St. - San Diego Garage.
 San Francisco, Calif. - 1726 California St. - Hanni Auto Repair.
 San Jose, Calif. - 580 1st St. - Lehmann Brothers.
 San Luis Obispo, Calif. - 1009 Monterey St. - C. H. Kamm & Co.
 Santa Barbara, Calif. - 514-522 State St. - Harry A. Thayer.
 Santa Monica, Calif. - 1452 Second St. - G. R. Payne.
 *Seattle, Wash. - 12th Ave. & Pine St. - McAlpin-Schreinev, Co.
 Spokane, Wash. - W. 610 Third Ave. - The Carbureter Service Co.
 Stockton, Calif. - Miner Ave. & California St. - J. M. McGillivray.
 *St. Louis, Mo. - 2827 Locust Blvd.- R. A. MacGuire Inc.
 St. Paul, Minn. - 179 W. 69th St. - Mayer Battery Electric Service.
 Tacoma, Wash. W. 610-112 South Eighth St. - McAlpin-Schreiner Co.

*Tampa, Fla. - 708 Twiggs St. - Motive Parts Co. of Florida.
Terre Haute, Ind. - The Terre Haute Battery & Electric Co.
Tucson, Ariz. - 49 No. 6th Ave. - Motor Supply Co
*Tulsa, Okla. - 210 10th St. East - The Beach-Wittmann Co.
Union City, N. J.-S86 Summit Ave. - Charlie's Auto Repair%.
Victoria, B. C., Canada - Auto Electric & Battery Co., Ltd.
Visalis. Calif. - 500 E. Main St. - Christie & Henry.
*Washington, D. C. - 1019 17th St. N. W. - Tompkins Sales & Service Co.
Wenatchee. Wash. - 326 S. Wenatchee - Hayes Auto Repair Shop.
*Wichita, Kansas - 225 N. Market St. - The Beach-Wittmann Co
Wichita Falls, Texas - Ruby Howard Battery Co.
Yakima, Wash. - Wm. C. Wright Co.
Youngstown, Ohio 28 W. Madison St. - Exide Milburn Service Co.

CANADIAN LIST

Calgary, Alberta - Dyson Battery Service
Courtney. B. C. - Blunt & Ewart.
Halifax, Nova Scotia - Halifax Ignition Company.
Montreal. Qubec - Battery & Electric Service Co.
Ottawa, Ontario - Welch & Johnson.
Regina, Saskatchewan - Magneto Service Station.
Toronto, Ont. - 350 Danforth Ave. - Barnes Battery & Ignition Company.
*Toronto. Ont. 252 Victoria St. - Auto Electric Service Co.. Ltd.
Vancouver, B. C. - Roy Howard, Ltd.
Victoria, B. C. - Auto Electric & Battery Co., Ltd.
*Winnipeg. Manitoba - Beattie Auto Electric. Ltd.

Marvel Carbureter' Export Distributors,

NOTE: Refer all. export business to Marvel Carbureter Co. Export office, 30 Water St., New York. N. Y.

Australia, Brisbane - Perry St. - Motor Supplies, Ltd.
Australia, Melbourne- 149 163 Lit. Lansdale St. - Brooklands Accessorie's Ltd.
Australia West, Perth - Messrs. Armstrong Cycle' & Motor Agency.
Australia, Sydney - 177-185 William' St. - Larke Hoskins & Co.
Burma, Rangoon - 4-5 Shafraz Road - Messrs. Muller & Phipps (Asia) Ltd.
Ceylon, Colombo - Kevzer St. - Messrs. Muller & Phipps (Asia) Ltd
China, Hongkong - 5 Queens Road, Central - Messrs. Muller & Phipps (Asia) Ltd. ,
China, Shanghai - 24. The Bund - Messrs. Muller & Phipps, (China) Ltd.
Denmark, Copenhagen - Pilealle 5-7, Hans Lystrup.
Dutch East Indies, Weltevreden - Care of the Consulate of the U. S. A., - Mr. C. Guidon.
India, Bombay - New York Building, Hornby Rd. Fort - Messrs. Muller & Phipps (India) Ltd.
India, Calcutta - 21 Old Court House St. - Messrs. Muller & Phipps (India) Ltd.
India, Delhi - Sadar Bazaar - Messrs. Muller & Phipps (India) Ltd.
India, Karachi - 726 Napier Road - Messrs. Muller & Phipps (India) Ltd.
India, Lahore Bazaar Rang Mahal - Messrs. Muller & Phipps (India) Ltd.
India, Madrars, - 21 Sunkuraina Chetty - Messrs. Muller & Phipps (India) Ltd.
Japan, Osaka - P. 0. Box 61, Goshō Bldg. - Messrs. Muller, Phipps & Sellers, Ltd.
Japan, Tokyo - P. 0. Box,98, Marunouchi Bldg. - Messrs. Muller, Phipps & Sellers Ltd
New Zealand, Wellington - E. Reynolds & Co.
Norway, Oslo - Handelsbygningen Drammensveien 20-24 - Messrs. Sorensen og Balchen.
South Africa, East London - P. 0. Box 57 Malcomess Ltd.
South Africa, Johannesburg - P. 0. Box 2767 - Messrs. Connock's S. A. Motor Co., Ltd.
Straits Settlement, Singapore - Union Building - Messrs. Muller & Phipps (Malaya) Ltd.

MODELS V, VB, VE, VH

V-10-722 - ESSEX SUPER SIX MODEL (1929)
 V-3-10-778 - ESSEX SUPER SIX MODEL (1930)
 VE-3-10-917 - ESSEX SUPER SIX MODEL (1931)
 10-995 - ESSEX SUPER SIX MODEL (1932) - FIRST CARS
 10-1505 - ESSEX SUPER SIX MODEL (1932) - LATER CARS

VB-10-724 - HUDSON SUPER SIX MODEL (1929)
 VH-4-10-776 - HUDSON EIGHT MODEL (1930)
 10-949 - HUDSON EIGHT MODEL (1931)
 10-989 - HUDSON GREATER EIGHT MODEL (1932)
 10-1533 - HUDSON SUPER SIX MODEL (1933)
 10-1536 - HUDSON GREATER EIGHT MODEL (1933)

TYPE: - Automatic air valve updraft type with throttle operated economizer (all models), accelerating pump (V, V-3, VE-3, only), and Marvel Heat Control. Heat control on Hudson 1929 Model VB carburetor is throttle operated, dash regulated (manipulation of dash heat regulator lever is an operating adjustment). Heat control on Essex 1929-30-31 Models V, V-3, VE-3 carburetors and Hudson 1930-31 Model VH4 carburetor, carburetors is throttle operated with a seasonal control on the engine manifold. Heat control on 1932-33 Essex and 1932-33 Hudson models is automatic thermostatic control type (see description of all heat controls below).

NOTE: - Intermediate high speed jets are not used on the Essex Models 722 and 778 carburetors. This will not affect adjustment instructions given below. See Specification Table for complete jet assemblies.

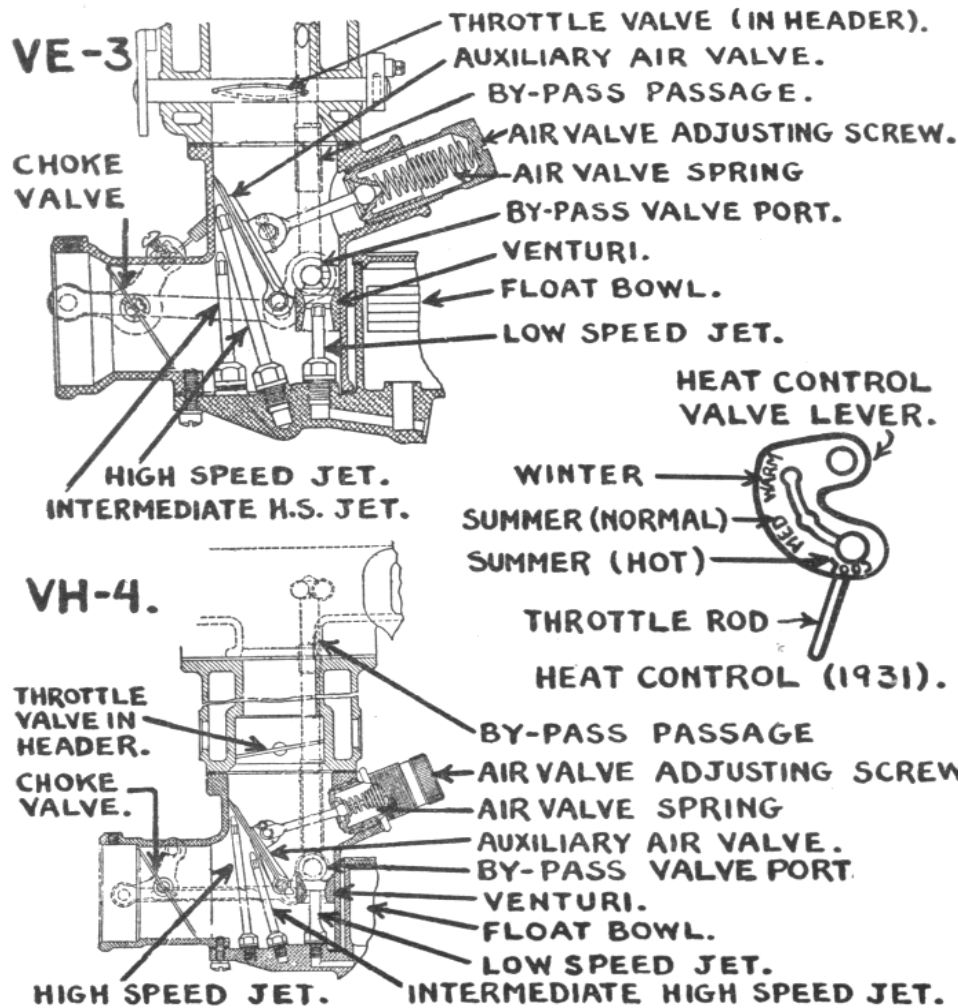
ADJUSTMENT: - On Hudson 1929 models place dash heat regulator lever in "Hot" position and leave lever in this position while adjusting carburetor. On 1929-30-31 Essex models, 1930-31 Hudson models, see that throttle connection on heat control valve lever is in "Warm" position (see illustration) while carburetor is being adjusted. This is important. Make a preliminary adjustment of the air valve screw by turning screw in or out until end of screw is flush with end of ratchet spring. Warm up engine thoroughly. With engine warm and running, close throttle and allow engine to idle. Turn air valve screw In or clockwise until engine begins to roll (mixture too rich), turn screw out until engine begins to hesitate or miss (mixture too lean), then turn screw slowly in until engine fires smoothly. Adjust throttle lever stop screw for correct idling speed (7 MPH on Hudson-Essex models).

PERFORMANCE AND SPECIFICATIONS: - Performance should be satisfactory throughout entire driving range if air valve adjustment has been made correctly. Air valve spring length should not be changed and spring should be replaced if it has been tampered with. Jets should be changed only for permanent operation at elevations greater than 4000 feet. Standard and float high altitude jet calibrations are shown in Marvel Jet Specification table. Jet heights and clearances are shown in table below:

Carburetor	Jet Heights			Jet Clearance
	H.S. Jet	Inter. H.S. Jet	L.S. Nozzle	H.S Jet from Wall
10-722	2.666-2.699"		1 1/4"	.010"
10-724	2.964-2.997"	2.268-2.302"	1.271-1.291"	.016"
10-738	2.505-2.539"	-----	1 1/4"	.052"
10-749	2.802-2.836"	1.889-1.923"	1.211-1.274"	-----
10-776	2.964-2.997"	2.233-2.267"	1.271-1.281"	-----
10-778	2.776-2.810"	-----	1 1/4"	.029"
10-947	2.746-2.776"	1.883-1.923"	1 1/4"	.030"
10-949	2.964-2.997"	2.233-2.267"	1.271-1.281"	.016"
10-989	2.964-2.997"	2.485-2.515"	1 9/32"	.018"
10-995	2.746-2.776"	1.883-1.923"	1 1/4"	.030"
10-1505	2.746-2.776"	1.883-1.923"	1 1/4"	.030"
10-1533	2.746-2.776"	1.883-1.923"	1 1/4"	.030"
10-1536	2.964-2.997"	2.485-2.515"	1 9/32"	.018"

ECONOMIZER: - Economizer consists of metering jet and metering pin connected to throttle lever (metering pin is part of accelerating pump plunger assembly on VE-3). Fuel supply for high speed jets is controlled by economizer at all partial throttle positions to assure maximum economy. At high speeds (60 MPH on VE-3 or 65-70 MPH on VH-4) or with wide open throttle, economizer permits greater fuel flow for maximum power. Economizer is not adjustable and does not require attention.

ACCELERATING PUMP: - V, V-3, VE-3, Models only. Accelerating pump is operated by throttle lever and discharges fuel to high speed jets when throttle is opened for acceleration. A check valve in the pump intake channel prevents fuel discharged by the pump flowing back into the float bowl. Accelerating pump used on Model VE3 carburetors is not adjustable and should not require attention.



Adjustment: - V, V-3, Models. Accelerating pump control rod pointer or handle is located on the float bowl cover. Pointer should be turned to position opposite "Winter" mark providing maximum pump discharge for cold weather or winter operation (heat control must be in "Warm" position). For warm weather operation change heat control to "Med." position and If car performance is still sluggish change accelerating pump control pointer to "Summer" position. In this position the control rod prevents the check valve closing and allows some of the

pump discharge to be by-passed back to the float bowl.

FLOAT LEVEL: - To check float level on all models, take off float bowl cover, remove gasket, measure distance from top edge of bowl to top of float with needle valve held closed. Correct float heights are given in the table below.

Do not attempt to change float level by bending float lever.

Car	Carburetor Model	Float Level
Essex 1929, 30	10-722, 778	5/16"
Essex 1931, 32, 33	10-947, 995, 1505, 1533	11/32"
Hudson 1929 to 1933	All Models	19/64"

HEAT CONTROL: - Carburetor header on all models is jacketed for exhaust gas heating. The exhaust gas flow through the jacket is controlled by a throttle operated rod so that the amount of heat applied is progressively decreased as the throttle is opened. In addition to the throttle control an operating adjustment (dash control) or seasonal adjustment (at the manifold) is provided as follows:

1929 Hudson: - On these models a dash regulator lever is located under the instrument panel. This adjustment should be manipulated by the car operator and does not require attention except that lever must be placed in "hot" position while the carburetor is being adjusted.

1929-31 Essex, 1930-31 Hudson: - On these models the throttle rod connection to the damper valve on the exhaust manifold is adjustable for three positions: "Warm" or "Hot" should be used for very cold temperatures or winter driving and when carburetor is being adjusted, "Med" should be used for ordinary temperature ranges, "Cool" should only be used for extremely hot temperatures (in excess of 100° F) or with high test gasoline. See illustration showing heat control valve or damper valve lever connections. Throttle rod must be placed in "Hot" position while carburetor is being adjusted.

1932-33 Essex, 1932-33 Hudson: - On these models damper valve controlling exhaust gas flow through jacket is controlled by an automatic thermostat, This type requires no attention.

CHOKE: - Choke valve is held in position on choke valve shaft by a spring which allows choke to open against spring tension when engine begins to fire, preventing over-choking and assisting in warming up. Choke valve shaft also operates by-pass idling valve through a connecting lever. Adjust choke linkage so that choke valve is fully closed when choke control button on instrument panel is pulled all the way out and wide open with button pushed in.