1925 Gardner

Specifications

Source – MoToR January 1925

Major Specifications of 1925 Cars

Engine Details, Acceleration, Speed, Weight, Tire Size, Wheelbase, Fuel and Oil Consumption

Price and Cap'y.	Engine Make and Model No.	No. Cyls.	Bore and Stroke	Piston Dis'ment.	Compres'n Ratio	Taxable H.P.	H. P. & R. P. M. Peak	Acceleration in High M. P. H. From	Acceleration in High M. P. H. To	Time, Seconds	Maximum Speed	Weight	Gear Ratio	CAR MAKE AND MODEL NUMBER	Tire Size	Wheelbase	Braking Ability, from M. P. H.	Distance, Feet	Gas Mileage per Gal.	Oil Mileage per Qt.	Type, Oil System	Type, Chassis Lubric. System	Make, Fuel Feed	Carburetor, Size	Make, Air Cleaner	Water Circulation
995-5	Lyc-CE	4-L	3 11/16x5	214	4.1	22	44@2200	.....	...	...	60	2550	4.80	Gardner, 5	32x4	112	....	....	20	400	Press	Alemite	Stew	1	None	T
1995-5	Lyc-2H	8-L	3 1/8x4 1/2	276	4.6	31	65@2700	.....	...	...	...	....	....	Gardner, 8	30x5 70	125	...	....	....	..	Press	Alemite	Stew	1 1/2	.....	P

a — Automatic
A-K, At-Kent — Atwater Kent
Auto-L — Auto-Light
B & B — Borg & Beck
Bev — Bevel
C & L — Cam and Lever
Cant — Cantilever
Conn — Connecticut
Cont — Continental
D G & M — Detroit Gear & Machine Co.
D-TR — Double-Transverse
Ell
Ell — Elliptic
V — Valves in head and side
F, Flt — Floating
GG — G. G. Vacuum Tank Corp.
Grav — Gravity
Hel — Helical
Hotch — Hotchkiss
HS — Herschel-Spillman
Hyd — Hydraulic
Hyd (Frames) — Hydraulic Pressed Steel Co.
I — Overhead valves
L — Valves on one side
Lyc — Lycoming
m — Manual
M & E — Merchant & Evans
Mech — Mechanical
N-East — Northeast
North — Northway
O-Dyn — Owen-Dyneto
O — Overhead valves & camshaft
O-V — Oil Vac (Byrne, Kingston & Co.
P — Pump
P & B — Parish & Bingham
Plan — Planetary
Plat — Platform
Press — Pressure
R-R — Radius Rods
RW — Rear Wheel
Ry — Remy
S — Sleeve Valves
sa — Semi-automatic
Semi--Semi-Floating
Sep — Separate
S&N — Screw and Nut
Split — Splitdorf
S R — Semi-Reversible
Stew — Stewart
T — Thermo-Syphon
T-T — Torque Tube
T — Transmission
T — Valves on opposite sides
T-A — Torque Arm
T-R — Torque Rod
T-T — Torque Tube
TX — Transverse Semi-Elliptic
Wg — Wagner
W&G — Worm and Gear
Wisc — Wisconsin
W&N — Worm and Nut
W&S — Worm and Screw
Wshs — Westinghouse
Wtfront — Winterfront
W&W — Worm and Wheel

Major Specifications of 1925 Cars

Make of Thermostat, Starting, Lighting and Ignition, Clutch, Axles, Brakes, Steering, and Springs

Make, Water Thermostat	Make, Radiator Shutter	Make, and Type Ignition	Make, Generator Starter	CLUTCH Make	CLUTCH Driving Discs	CLUTCH Driven Discs	Trans. Location	Type Drive	Rear Axle Make	Type	CAR MAKE AND MODEL	Make, Front Axle	Make and Type, 4-Wheel Brakes	Hand Brake, Location	Type, Rear Sp'ngs	Steering Gear, Type and Make	Frame, Make	Depth	Thick	Flange, Width
None	None	Wshs-m	Wshs	B & B	1	2	Unit	Hotch	Flint	3/4-F	Gardner, 5.....	Flint	.....	T	1/2-Ell	Ross-C & L	Hyd	4 5/16	5/32	2
.....	.....	Remy	Remy	B & B	...	...	Unit	Hotch	Columbia	Semi	Gardner, 8.....	Columbia	Lockheed Hyd	T	1/2-Ell	Gemmer, W&N	Hyd	...	...	

a — Automatic
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Auto-L — Auto-Light
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Bev — Bevel
C & L — Cam and Lever
Cant — Cantilever
Conn — Connecticut
Cont — Continental
D G & M — Detroit Gear & Machine Co.
D-TR — Double Transverse
D 1/4-Ell — Double 1/4 Elliptic
Ell — Elliptic
F — Valves in head and side
F. Flt — Floating
GG — G. G. Vacuum Tank Corp.
Grav — Gravity
Hel — Helical
Hotch — Hotchkiss
HS — Herschel-Spillman
Hyd — Hydraulic
Hyd (Frames) — Hydraulic Pressed Steel Co.
L — Valves on one side
Lyc — Lycoming
m — Manual
M & E — Merchant & Evans
Mech — Mechanical
Mid — Mid-West
N-East — Northeast
North — Northway
O-Dyn — Owen-Dyneto
O — Overhead valves
O-V — Oil Vac (Byrne, Kingston & Co.)
P — Pump
P & B — Parish & Bingham
Plan — Planetary
Plat — Platform
Press — Pressure
R-R — Radius Rods
RW — Rear Wheel
Ry — Remy
S — Sleeve Valves
sa — Semi-automatic
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Wshs — Westinghouse
Wtfront — Winterfront
W&W — Worm and Wheel

Cylinders, Pistons, Rings, Connecting Rods

MAKE	No. of cylinders	Bore and stroke	Engine	Piston						Piston ring						Wristpin			Wristpin bushing			Connecting rod			Crankpin bearings					
				Make	Material	Features	Clearance		Weight	No. used	Make	Width	Depth of groove	Diameter	Gap clearance	Locking method	Diameter	Length	Outside diam.	Inside diam.	Length	Weight	Make	Material	Diameter	Length	Clearance	Material	Make	Type of shims
							Top	Bottom																						
Gardner 5	4	3 11/16 x5	Lyc	Lyn	Lyn	Slot	02	003	18	4	Circ	1/8	5/64	3 5/16	006-012	.....	1 3/16	2 3/32	1 1/8	1 3/16	1 3/16	38	.....	1035	2 1/16	1 11/16	0015	Babb	.....	None
Gardner Line 8	8	3 1/16 x4 1/2	Lyc2H	.....	C I	.....	014	003	....	4	.....	1/8	....	.....	006-012	Rod	1/4	....	None	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....

Al CI — Aluminum and cast iron
Alum — Aluminum
Anst — Ansted
AmH — American Hammered
Babt — Babbitt
BrBb — Bronze-backed Babbitt

Brnz — Bronze
CI — Cast iron
Circ — Perfect Circle
Con — Continental
ConCl — Constant Clearance
Cross — Crosshead

CrNk — Chrome-Nicke
DieCst — Sie Cast
Dural — Duraliminum
Flot — Floating
HS — Herscoel-Spillman
HtPrf — Heat-Proof

Ind — Indiana
Lam — Laminated
Lyc — Lycoming
Lyn — Lynite
MNor — McQuay-Norris
North — Northway

Pln — Plain
Pist — Piston
Qual — Quality
SeStl — Semistee
Sklton — Skeleton
Slot — Slotted

Supr — Super-Sea
Teet — Teetor
Wis — Wisconsin
Note Numbers which specify materal refer to S. A. E. specifications.

Crankshaft, Timing Gears and Camshaft

MAKE AND MODEL	Crankshaft bearings										Crankshaft—End play	Crankshaft gear	Camshaft gear—Make and maker's No.	Generator gear—Make and maker's No.	Timing chain					
	Main bearing journals									Main bearings clearance					Make and maker's No.	Length	Width	No. of teeth	Pitch	Is chain adjustable
	Diameter and length No. 1	Diameter and length No. 2	Diameter and length No. 3	Diameter and length No. 4	Diameter and length No. 5	Diameter and length No. 6	Diameter and length No. 7	Diameter and length No. 8	Diameter and length No. 9											
Gardner 5	2 1/16 x2 5/8	2 1/16 x1 5/16	2 1/16 x1 11/16	2 1/16 x1 5/16	2 1/16 x2 5/8	.....	.....	.....	.....	.002	.003	Comp	.....	.....	LkBlt	37.5	1 1/4	100	3/8	Auto
Gardner 8	2 3/16 x2 11/16	2 3/16 x1 3/4	2 3/16 x2	2 3/16 x1 3/4	2 3/16 x2 11/16	.....	.....	.....	.....	.002	.003	.....	.....	.....	.....	.....	.....	.....	.....	.....

Auto — Automatic
Cont — Continental
GE — General Electric
Hel — Helical
LkBlt — Link-Belt
Mors — Morse

Valves and Lubrication

MAKE AND MODEL	Valves: Head: Norm. diam. Intake	Norm. diam. Exhaust	Material Intake	Material Exhaust	Stem: Material Intake	Material Exhaust	Diameter	Length	Tappet clearance Intake	Tappet clearance Exhaust	Spring pressure Intake	Spring pressure Exhaust	Timing: Intake Opens	Intake Closes	Exhaust Opens	Exhaust Closes	Overhead valve lubrication	Engine lubrication: Splash—Yes or no	Pressure to: Main bearings	Pressure to: Connecting rods	Pressure to: Wristpins	Pressure to: Camshaft bearings	Timing gear lubrication	Pump—Type	Oil	Normal oil pressure: Pounds at	Normal oil pressure: Miles per hour	Pressure at which relief valve opens—Pounds	Oil Reservoir—Quarts	Chassis lubrication: Type	Make
Gardner 5	1 5/8	1 5/8	C I	C I	1020	1020	3/8	6 7/8	.004H	.006H	50	50	5B	62A	47B	32A	.....	No	Yes	Yes	No	Yes	P	G	Med	20	20	....	5	P G	Alemite
Gardner 8	1 7/16	1 5/16	3140	Silcr	3140	Silcr	11/32	5 1/2	.004H	.006H	60	60	DC	35A	42B	5A	.....	No	Yes	Yes	No	No	P	G	Med	20	20	....	8	....	.....

NOTE—Numbers refer to S.A.E. specifications.

A — After
B — Before
C — Cold
CI — Cast Iron
CobCr — Cobalt Chrome
CrNck — Chrome-Nickel
CrVan — Chrome-Vanadium
CS — Carbon steel
DC — Dead center
EWP — Steel
G — Gear
H — Hot
HMed — Heavy medium
HTng — High Tungsten
L&M — Light in winter, medium in summer
LMed — Light medium
LTng — Low Tungsten
M&H — Medium in winter, heavy in summer
Max — Maximum
Med — Medium
P — Positive
P — Pump
NiSt — Nickel Steel
OC — Oil cups
OH — Oil holes
R — Revolutions per minute
S — Spray
SemSt — Semi-Steel
Silcr — Silichrome
Tung — Tungsten
VC — Valve closed
VO — Valve opened.
X — Approximate
PG — Pressure grease
PO — Pressure oil

Fuel and Cooling Systems

Make and Model	Fuel system: Gasoline tank Make	Gasoline tank Capacity	Feed	Gasoline filter	Carbureter Make and maker's number	Carbureter Size	Intake system: Mixture heating	Heat adjustment	Air cleaner	Electric mixture heating	Exhaust: Size exhaust pipe	Muffler	Cooling system: Water	Pump Type	Pump Make	Water thermostat	Radiator Type	Radiator Make	Cooling system, gals.	Radiator hose: Upper Inside diam.	Upper Length	Lower Inside diam.	Lower Length	Fan belt: Type	Coupling	Make	Length	Width	Fan
Gardner 5	Murr	13	Stew	.....	Zen	1	EJ	.....	.....	.....	2 1/4	.....	T	.....	.....	.....	.....	Fedder	4 3/4	2 1/4	8 1/2	2 1/4	15	Flat	.....	Var	35	1 1/4	.....
Gardner 8	.....	....	.....	.....	Sheb	...	.....	.....	.....	.....	....	.....	P	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	.....

Alem — Alemite
Anst — Ansted
Ball — Ball & Ball
Buffo — Buffalo
Cell — Cellular
Cent — Centrifugal
Cleve — Cleveland
Cont — Continental
Coup — Coupling
Dayt — Dayton
Durke — Durkee
EJ — Exhaust Jacket
ElFog — Electric Fog
End — Endless
ES — Exhaust Stove
Ful — Fulton
Gratn — Graton
Gilmr — Gilmer
Goodr — Goodrich
Grav — Gravity
Harris — Harrison
Hol — Holley
Honey — Honeycomb
HS — Hot Spot
Inter — International
John — Johnson
Join — Jointed
Lyc — Lycoming
Marv — Marvel
McCrd — McCord
Mitch — Mitchell
Mull — Mullins
Murr — Murray
Natnl — National
Oldbrg — Oldberg
P — Pump
Pres — Pressure
Ray — Rayfield
Ribon — Ribbon
SAuto — Semi-Automatic
Sheb — Schebler
Stew — Stewart
Strm — Stromberg
Syl — Sylphon
T — Thermo-syphon
Till — Tillotson
Var — Various
VT — Vertical T
Wis — Wisconsin
WJ — Water Jacket
Xrdl — Xardell
Zen — Zenith

Ignition—Battery—Starting Motor

MAKE AND MODEL	Ignition unit							Condenser	Coil	Amperage draw of coil			Ignition switch	Spark plugs		Battery							Starting motor							
	Ignition	Make	Breaker Gap	Degree advanced: Manual	Degree advanced: Automatic	Timing: Degrees Spark retarded—	Firing order			Engine stopped	Engine running	Ballast resistance		Make	Type	Make	Shipped	Ampere hours	Voltage	Charging rate: Start	Charging rate: Finish	Terminal grounded	Make	Amperage, normal	Normal armature speed	Normal running torque—Pounds feet	Static torque—Pounds feet	Drive: Type	Drive: Make	Overrunning clutch
Gardner 5	Bat	West	.013	30	....	20A	1342	West	West	.....	.....	Yes	.....	Cnamp	?&R	Will	.....	94	6	13	4.5	...	West	...	...	.....	.....	.....	.....	.....
Gardner ?	Bat	Remy	.013	....	....	.....	.....	Remy	Remy	.....	.....	.....	.....	.....	.....	Presto	.....	.....	.....	.....	.....	...	Remy	...	...	.....	.....	.....	.....	.....

* Spark fully advanced. † Spark one-half advanced.

AKent — Atwater Kent
ALite — Auto-Lite
AmBch — American Bosch
Bat — Battery
Briggs — Briggs & Stratton
Champ — Champion
Conn — Connecticut
C-H — Cutler-Hammer
Kelg — Kellogg
L — Long
Mag — Magneto
NEast — North East
Presto — Prest-O-Lite
R — Regular
S — Standard
Stan — Standard
Split — Splitdorf
Stan — Standard
V — Volts
Wag — Wagner
West — Westinghouse
Will — Willard

Generator and Lighting Circuits

MAKE AND MOLD	Generator				Cutout relay					Maximum normal charging rate					Lighting circuits								Lights							Horn		
	Make	Voltage regulation	Field fuse amps.	Thermostat Op. Tem.	Cutout	Cutout closing: Volts	Cutout closing: Car speed	Cutout closing: Armature speed	Amperes required	Hot	Cold	Armature speed	Car speed	Voltage	Ammeter	Switch	Candlepower: Big head	Candlepower: Small head	Candlepower: Side	Candlepower: Tail	Candlepower: Instrument	Tail and inst. in series	Headlights	Reflector	Lens-glasses: Diameter	Lens-glasses: Make	Side lights-make	Tail light-make	Instrument light-make	Type vibrator or motor	Make	Amperage draw
Gardner 5	West	...	.....	.....	.....	6.5	3	...	...	11	16	1-00	..	8..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gardner 8	Remy	...	.....	.....	.....	.....	...	...	3	.....	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

AmBch — American Bosch
AccMfg — Accessory Mfg.
ALite — Auto-Lite
A&W — Adams & Westlake
Briggs — Briggs & Stratton
B & L —
Chic — Chicago
Corc — Corcoran
E&J — Edmunds & Jones
Haver — Haverhill
Heinz — Heinze
In — Indiana
Kell — Kellogg
Klax — Klaxon
Librty — Liberty
Mirro-Tilt — Mirror-Tilt
Mongrm — Monogram
Natnl — National
NEast — North East
Roll8 — Roller-Smith
Spar — Sparton
Spen — Spengler-Loomis
Spec — Special
Schwar — Schwarz
Sterl — Sterling
Tiff — Tiffany
Wag — Wagner
Walth — Waltham
West — Westinghouse