

AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES (FIA)
315 MADISON AVENUE
NEW YORK 22, N. Y.

Manufacturers Reference No. for Application

61-1344

61-1334



F.I.A. Recognition No.

1078

Federation Internationale de l'Automobile.

Form of Recognition in accordance with
Appendix J to the
International Sporting Code.

Manufacturer Studebaker-Packard Corp.

Model 62V - LARK VIII

Year of Manufacture 1961-1962

Chassis USA production 62V-1001 and up
Canadian " 62VC-1001 and up

Serial No. of Engine 259 cu.in. (USA - V-534901)
(Canada VC-196011) and up: 289 cu.in. (USA - P-79801)
(Canada PC-2801) and :

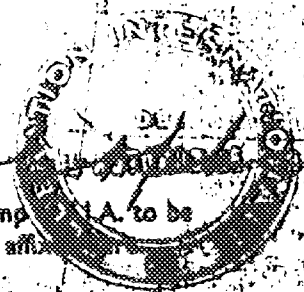
Type of Coachwork 4 door Sedan Y3, Y4, Y6 or Y8; 2 door Sedan F3, F4, (see note #1);

Recognition is valid from _____ in category _____

Note #1 2 door Hardtop J6, J8; 2 door Convertible L6, L8;
4 door Station Wagon P3, P4, P6;

Photograph to be affixed here & view of car from front right.

Stamp F.I.A. to be affixed

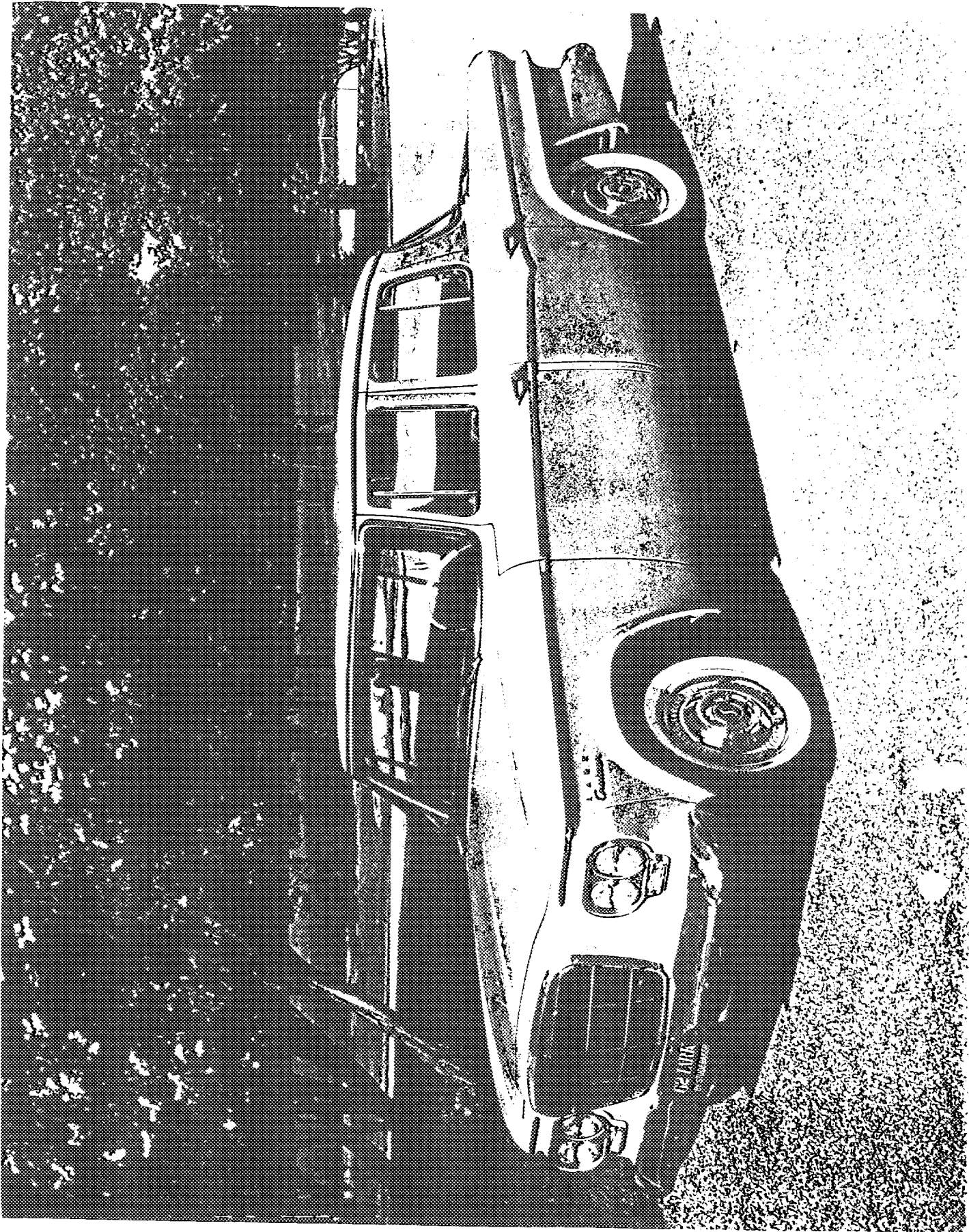


AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES FIA, INC.

315 MADISON AVENUE
NEW YORK 22, N. Y.

George E. Stand
SECY.

3 OCT 1961



ENGINE

No. of cylinders 8 In line ---
 In V 90° V
 opposed ---

Cycle 4 Firing order 1-8-4-3-6-5-7-2

Capacity 259 cu. in. c.c. Bore 90.488 m.m. Stroke 82.55 m.m.
 Maximum rebore 91.491 m.m. Resultant capacity 342.86 per cyl. c.c.

Material of cylinder block cast iron Material of sleeves, if fitted ---

Distance from crankshaft centre line to top face of block at centre line of cylinders 10.060/10.065 m.m.

Material of cylinder head cast iron Volume of one combustion chamber (55.057) c.c. / 1 c.c.
 Compression ratio 8.25 to 1 (for head only - spark plugs & valves in place)

Material of piston F-132 No. of piston rings 3 per piston

Distance from ~~gudgeon~~ ^{Wrist} pin centre line to highest point of piston crown 1.591/1.597 m.m.

Bearings { Crankshaft main bearings: Type Insert-steel back Dia. 2.5" m.m.
 Connecting rod big end: Type Insert-steel back Dia. 2" m.m.

Weights { Flywheel 35.5 lbs. kg.
 Crankshaft 57 lbs. kg.
 Connecting rod 23.73 oz. kg.
 Piston with rings 18.22 oz. kg.
~~Wrist~~ Gudgeon pin 150/153 grams kg.

No. of valves per cylinder two Method of valve operation push rods & rocker arms

No. of camshafts one Location of camshafts cyl. block - center

Type of camshaft drive gear

Diameter of valves: Inlet 1.656" m.m. Exhaust 1.531" m.m.

Diameter of port at valve seat: Inlet 1 5/8" m.m. Exhaust 1 1/2" m.m.

Tappet clearance for checking timing: Inlet .023 to .025 hot m.m. Exhaust .023 to .025 hot m.m.
.025 to .027 cold m.m. Exhaust .025 to .027 cold m.m.

Valves open: Inlet 11° BTC Exhaust 51° -36' BBC

Valves close: Inlet 54° -36' ABC Exhaust 14° ATC

Maximum valve lift: Inlet .375" m.m. Exhaust .375" m.m.

Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 61° -24' Exhaust 61° -24'
 1/2 Maximum lift: Inlet 34° -24' Exhaust 34° -24'

Valve springs: Inlet coil Exhaust coil
 Type coil coil
 No. per valve one one

Carburettor: Type down draft No. fitted one
 (up or down draft, horizontal)

Make std. Stromberg 2 barrel Model WW6-127 or 128
opt. Carter 4 barrel WCFB-31655 or 31665

Flange hole diameter 1 5/16 m.m. Choke diameter 4.157" m.m.

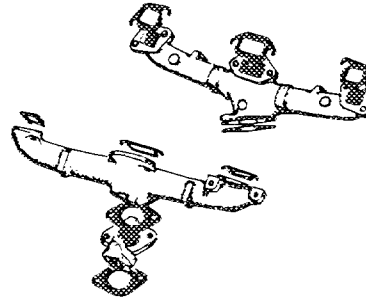
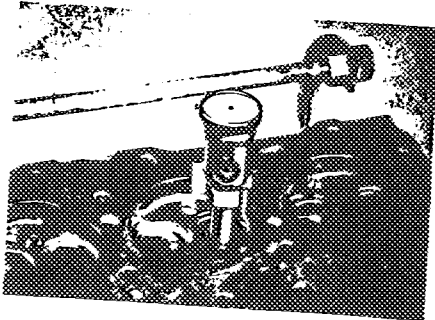
Main jet identification No. Stromberg Carter air horn dia.
386978 120-159 Jet (2 req'd.)
3 75-1345 Metering Rod (2 req'd.)

Air filter: Type Dry No. fitted one

Inlet manifold:

Diameter of flange hole at carburettor 1 7/16" m.m.

Diameter of flange hole at port 1 7/16" x 1" & 1 7/16" x 1 1/8" m.m.
(Rectangle)

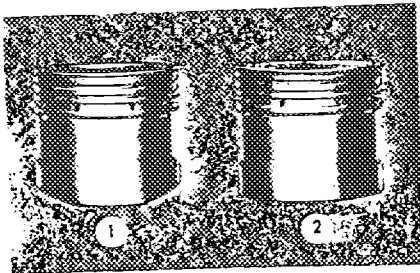


Exhaust manifold:

(Rectangle)

Diameter of flange hole at port 1 3/8" x 1 1/4" & 1 3/8" x 1 13/16" m.m.

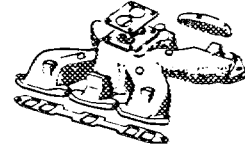
Diameter of flange hole at connection to silencer inlet pipe 1 3/4" m.m.



Photograph of exhaust manifold to be affixed here.

3/4 BARREL CARB.

1/2 BARREL CARB.



ENGINE ACCESSORIES

Make of fuel pump Carter No. fitted one

Method of operation Mechanical

Type of ignition system Coil coil or magneto

Make of ignition Auto-Lite Model -----

Method of advance and retard Vacuum

Make of ignition coil Auto-Lite Model 200607 (CAH Type)

No. of ignition coils one Voltage 12V

Make of dynamo Delco-Remy Model 1102309

Voltage of dynamo 12V Maximum output 40 amps.

Make of starter motor Auto-Lite Model MDU-7025

Battery: No. fitted one Voltage 12V Capacity 70 amp. hour

Make Studebaker Model 62V- F.I.A. Recognition No. _____
 Manufacturers Reference No. of Application _____

TRANSMISSION

Make of clutch Borg & Beck Type Single Disc - Dry
 Diameter of clutch plate 10 1/2" No. of plates 1
 Method of operating clutch Manual
 Make of gearbox Warner Gear Type std: T86 (Manual)
 No. of gearbox ratios 3 forward 1 reverse
 Method of operating gearshift Transmission Remote Control
 Location of gearshift Steering Column
 Is overdrive fitted? No
 Method of controlling overdrive, if fitted _____

Optional Transmissions: 3 speed w/overdrive, 4 speed T10 or T10A, automatic

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	2.57:1	---						
2.	1.55:1	---						
3.	1.00:1	xxx						
4.								
5.								

Type of final drive semi-floating
 Type of differential Hypoid
 Final drive ratio 3.07 Alternatives 3.31, 3.73
 No. of teeth 43-14
 Overdrive ratio, if fitted _____

WHEELS

Type Disc Weight 20 lbs. kg.
 Method of attachment Stud
 Rim diameter 15" m.m. Rim width 4.5" m.m.
 Tyre size: Front 6.50x15 std. Rear 6.50x15 std. 6.70x15 opt. - See Note bel
6.70x15 opt.

BRAKES

Method of operation Hydraulic, Self-Energizing & Self-Centering
 Is servo assistance fitted? Yes
 Type of servo, if fitted Bendix - Hydrovac
 No. of hydraulic master cylinders one Bore 1.00" dia. m.m.

Tires For high speed driving special racing type 5.50-5.90x15 to 7.10-7.60x15 tires are recommended depending on road conditions.

	Front	Rear
No. of wheel cylinders	one each Brake	one each Brake
Bore of wheel cylinders	1.062" m.m.	8.75" m.m.
Inside diameter of brake drums	11" m.m.	10" m.m.
No. of shoes per brake	two	two
Outside diameter of brake discs	--- m.m.	--- m.m.
No. of pads per brake	---	---

Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)

	Front	Rear
Length	Frnt. Shoe 9 21/64" m.m.	8 15/32" m.m.
	Rr. Shoe 11 57/64" m.m.	10 27/32" m.m.
Width	2 1/4" m.m.	2" m.m.
Total area per brake	47.75 sq. in. m.m. ²	38.63 sq. in. m.m. ²

SUSPENSION

	Front	Rear
Type	Independent	Asymmetric
Type of spring	Coil	Leaf
Is stabiliser fitted?	Yes	No
Type of shock absorber	Direct acting-Hydraulic	Direct acting-Hydraulic
No. of shock absorbers	2	2

STEERING

Type of steering gear	Mechanical
Turning circle of car (40' wall to wall) (37'6" curb to curb)	m., approx.
No. of turns of steering wheel from lock to lock	4.7

CAPACITIES AND DIMENSIONS

Fuel tank	18 gal. litres	Sump	6 qts. litres
Radiator	17 qts. litres		
Overall length of car	2 door models 182" 4 door models 188" ^{Top}	Overall width of car	71 1/4" cm.
Overall height of car, unladen (with base up, if appropriate)	55 3/4" cm.		
Distance from floor to top of windscreen:			
Highest point	51 3/8" cm.	Lowest point	37 7/8" cm.
Width of windscreen:			
Maximum width	56 3/8" cm.	Minimum width	--- cm.
*Interior width of car	55 3/8" cm.	(Frt. shoulder room, at garnish moulding height)	
No. of seats	one frt. - one rear		
Track: Front	57.375" cm.	Rear	56.562" cm.
Wheelbase	2 door models 109" 4 door models 113" cm.	Ground clearance	7" min. m.m.

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.) approx. 2970 to 3330 lbs. dependi on body style and equipment

Overall weight with water, oil and spare wheel, but without fuel _____ kgs.

Additional information for cars fitted with two-cycle engines

Does not apply

System of cylinder scavenging _____

Type of lubrication _____

Size of inlet port:

Length measured around cylinder wall _____ m.m.

Height _____ m.m. Area _____ m.m.²

Size of exhaust port:

Length measured around cylinder wall _____ m.m.

Height _____ m.m. Area _____ m.m.²

Size of transfer port:

Length measured around cylinder wall _____ m.m.

Height _____ m.m. Area _____ m.m.²

Size of piston port:

Length measured around piston _____ m.m.

Height _____ m.m. Area _____ m.m.²

Method of pre-compression _____

Bore and stroke of pre-compression cylinder, if fitted _____ m.m.

Distance from top of cylinder block to lowest point of inlet port _____ m.m.

Distance from top of cylinder block to highest point of exhaust port _____ m.m.

Distance from top of cylinder block to highest point of transfer port _____ m.m.

Drawing of cylinder ports.

Supercharger, if fitted

Make _____

Model or Type No. _____

Type of drive _____

Ratio of drive _____

Fuel injection, if fitted

Make of pump _____

Model or Type No. _____

Make of injectors _____

Model or Type No. _____

Location of injectors _____

General description of car: specifying materials of coachwork

Ladder frame and welded sheet metal body construction with bolt on front and rear fenders. Body types per list on Page one. Laminated safety glass windshield and tempered safety glass in all other locations.

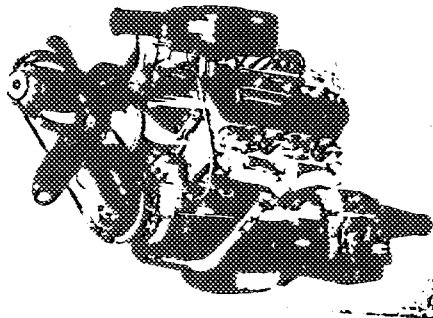
Photographs to be affixed below.

3/4 view of car from rear left.

Interior view of car through driver's door.

Engine units with accessories from right.

Engine unit with accessories from left.



Front axle complete (without wheels).

Rear axle complete (without wheels).

