



AUTOMOBILE COMPETITION COMMITTEE
 FOR THE UNITED STATES, FIA, INC.
 330 Vanderbilt Motor Parkway
 Hauppauge, L.I., N.Y. 11787
 (516) 582-4040

FIA NO. 1650
 GROUP II

FEDERATION INTERNATIONALE DE L'AUTOMOBILE
 FORM OF RECOGNITION

In accordance with Appendix "J" of the International Sporting Code

Cylinder Capacity 5899 cm³ 360 in³

Manufacturer AMERICAN MOTORS

Model WAGONEER 14 QUADRA-TRAC

Serial # Chassis J3A1440N00001

Manufacturer AMERICAN MOTORS

Serial # Engine "

Manufacturer AMERICAN MOTORS

Recognition valid from _____

List _____

The manufacturing of the model described in this recognition form was started on September 1, 1972 and the minimum production of 1000 identical cars, in accordance with the specifications of this form, was reached on December 15, 1972.

A 3/4 Front View Car *



The following amendments apply to the vehicle identified above:

Variants

on 19 Rec # _____ list _____
 on 19 Rec # _____ list _____
 on 19 Rec # _____ list _____

Normal Evolution of the Type

on 19 Rec # _____ list _____
 on 19 Rec # _____ list _____
 on 19 Rec # _____ list _____

Stamp/Signature of
 National Sporting Authority

Stamp/Signature
 F.I.A.

CHASSIS AND BODYWORK (Photos A, B and C)

- * 20. Chassis/body construction: (separate) (unit construction)
- * 21. Unit construction: material
- * 22. Separate construction: material of chassis steel
- * 23. Material of body: steel
- * 24. Number of doors: 4 Material: steel
- * 25. Material of hood: steel
- * 26. Material of trunk lid: steel
27. Material of rear window: tempered glass
28. Material of windshield: laminated glass
29. Material of front door windows: tempered glass
30. Material of rear door windows: tempered glass
31. Windows, actuating system: crank
32. Material of rear quarter window: tempered glass

ACCESSORIES AND UPHOLSTERY

38. Heating, interior: (yes) (no)
39. Air conditioning: (yes) (no)
40. Ventilation: (yes) (no)
- (SP) 41. Seats, front: Type of seat and upholstery Buckets Vinyl & Fabric
42. Seats, front: Weight (complete with supports and rails out of car) 11.3 kg 25 lbs
Check: Bench _____ Bucket XX Console included _____
43. Seats, rear: Type of seat and upholstery Bench Vinyl
44. Bumper, front: Material: steel Weight: 16.9 kg 37.5 lbs
45. Bumper, rear: Material: steel Weight: 16.9 kg 37.5 lbs

WHEELS

50. Type: Pressed Disk Safety Rim
51. Weight: (per wheel, without tire) 9.9 kg 22.06 lbs
52. Method of attachment: 5 Bolt
53. Rim diameter: 381 mm 15 inches
54. Rim width: 152.4 mm 6.0 inches

STEERING

60. Type: Saginaw Recirculating Ball
61. Servo-assistance: (yes) (no) optional
62. Number of turns of steering wheel from lock to lock: 5.5
63. In case of servo-assistance:

CHASSIS AND BODYWORK (Photos A, B and C)

- * 20. Chassis/body construction: (separate) (unit construction)
- * 21. Unit construction: material
- * 22. Separate construction: material of chassis steel
- * 23. Material of body: steel
- * 24. Number of doors: 4 Material: steel
- * 25. Material of hood: steel
- * 26. Material of trunk lid: steel
- 27. Material of rear window: tempered glass
- 28. Material of windshield: laminated glass
- 29. Material of front door windows: tempered glass
- 30. Material of rear door windows: tempered glass
- 31. Windows, actuating system: crank
- 32. Material of rear quarter window: tempered glass

ACCESSORIES AND UPHOLSTERY

- 38. Heating, interior: (yes) (no)
- 39. Air conditioning: (yes) (no)
- 40. Ventilation: (yes) (no)
- (SP) 41. Seats, front: Type of seat and upholstery Buckets Vinyl & Fabric
- 42. Seats, front: Weight (complete with supports and rails out of car) 11.3 kg 25 lbs
Check: Bench _____ Bucket xx Console included _____
- 43. Seats, rear: Type of seat and upholstery Bench Vinyl
- 44. Bumper, front: Material: steel Weight: 16.9 kg 37.5 lbs
- 45. Bumper, rear: Material: steel Weight: 16.9 kg 37.5 lbs

WHEELS

- 50. Type: Pressed Disk Safety Rim
- 51. Weight: (per wheel, without tire) 9.9 kg 22.06 lbs
- 52. Method of attachment: 5 Bolt
- 53. Rim diameter: 381 mm 15 inches
- 54. Rim width: 152.4 mm 6.0 inches

STEERING

- 60. Type: Saginaw Recirculating Ball
- 61. Servo-assistance: (yes) (no) optional
- 62. Number of turns of steering wheel from lock to lock: 5.5
- 63. In case of servo-assistance:



SUSPENSION

- * 70. Front suspension (Photo D) type: Full floating Dana 30 solid axle
- * 71. Type of spring: multi leaf
- (SP) 72. Stabilizer (if fitted): no
- 73. Number of shock absorbers: 1/wheel
- 74. Type: Telescopic direct

- * 78. Rear suspension (Photo E) type: semi floating
- * 79. Type of spring: multi leaf
- (SP) 80. Stabilizer (if fitted): no
- 81. Number of shock absorbers: 1/wheel
- 82. Type: telescopic direct

BRAKES (Photos F and G)

- * 90. Method of operation: hydraulic
- (SP) 91. Power assisted (if fitted,) type: serve assist
- 92. Number of master cylinders: one dual

	<u>Front</u>		<u>Rear</u>	
93. Number of cylinders per wheel: One				
94. Bore of wheel cylinder:	<u>28.57 mm</u>	<u>1.125 in</u>	<u>23.82 mm</u>	<u>.938 in</u>
(SP) <u>Drum Brakes:</u>				
95. Inside diameter:	<u>279.4 mm</u>	<u>11.0 in</u>	<u>279.4 mm</u>	<u>11.0 in</u>
96. Length of brake linings:	<u>571.5 mm</u>	<u>22.5 in</u>	<u>571.5 mm</u>	<u>22.5 in</u>
97. Width of brake linings:	<u>50.8 mm</u>	<u>2.0 in</u>	<u>50.8 mm</u>	<u>2.0 in</u>
98. Number of shoes per brake: 2				
99. Total area per brake:	<u>5832.6 mm²</u>	<u>90.4 in²</u>	<u>5832.6 mm²</u>	<u>90.4 in²</u>
(SP) <u>Disc Brakes:</u>				
100. Outside diameter	_____ mm	_____ in	_____ mm	_____ in
101. Thickness of disc:	_____ mm	_____ in	_____ mm	_____ in
102. Length of brake linings:	_____ mm	_____ in	_____ mm	_____ in
103. Width of brake linings:	_____ mm	_____ in	_____ mm	_____ in
104. Number of pads per brake:				
105. Total area per brake:	_____ mm ²	_____ in ²	_____ mm ²	_____ in ²



FOUR CYCLE ENGINES

- * 170. Number of camshafts: one
- * 171. Location of camshaft: in block center of vee
- * 172. Type of camshaft drive: chain & sprocket
- * 173. Type of valve operation: push rod

INLET (see Photo P) +

- 180. Material of inlet manifold: cast iron
- 181. Overall diameter of valves: 51.43 mm 2.025 inches
- (SP) 182. Maximum valve lift: 10.79 mm .425 inches
- 183. Number of valve springs: eight
- 184. Type of spring: coil
- * 185. Number of valves per cylinder: one
- (SP) 186. Tappet clearance for checking timing (cold) 0.0 mm 0.0 inches
- (SP) 187. Valves open at (with tolerance for tappet clearance indicated): 14.74^o BTC
- (SP) 188. Valves close at (with tolerance for tappet clearance indicated): 68.75^o ABC
- (SP) 189. Air filter: (wet) (dry) Cartridge type: (yes) (no)

EXHAUST (see Photo Q)

- 195. Material of exhaust manifold: CAST IRON
- 196. Overall diameter of valves: 47.80 mm 1.685 inches
- (SP) 197. Maximum valve lift: 10.79 mm .425 inches
- 198. Number of valve springs: eight
- 199. Type of spring: coil
- * 200. Number of valves per cylinder: one
- (SP) 201. Tappet clearance for checking timing (cold) 0.0 mm 0.0 inches
- (SP) 202. Valves open at (with tolerance for tappet clearance indicated): 56.77^o BBC
- (SP) 203. Valves close at (with tolerance for tappet clearance indicated): 56.75^o ATC
- (SP) 204. Inside diameter of exhaust manifold outlet: 2.25 in

CARBURETION (see Photo N)

- 210. Number of carburetors fitted: one
- (SP) 211. Type: two-barrel down draft
- (SP) 212. Make: American Motors
- (SP) 213. Model: Motocraft 2100
- 214. Number of mixture passages per carburetor: two
- (SP) 215. Flange hole diameter of exit port of carburetor: 39.62 mm 1.56 inches
- (SP) 216. Depending on type of carburetor, indicate: diameter at throat of venturi/s at the plane of maximum restriction. Dimension of mixture passage at the point of maximum restriction with the piston in its maximum open position (example SU type): 27.38 mm 1.07 inches

+ For additional information concerning two-stroke engines and supercharged engines, add supplementary page

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MODEL WAGONEER 14

FIA REC # 1650

INJECTION (if fitted)

220. Make of pump: none
221. Number of plungers: none
(SP) 222. Model or type of pump: none
223. Total number of injectors: none
224. Location of injectors: none
(SP) 225. Minimum diameter of inlet pipe: none _____ mm _____ inches

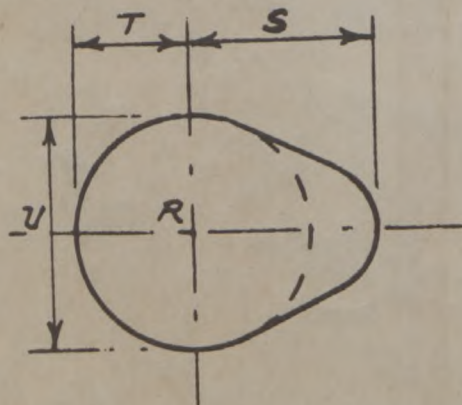
ENGINE ACCESSORIES

- (SP) 230. Fuel pump: mechanical and/or electrical
231. Number fitted: one
232. Type of ignition system: transisterized
233. Number of distributors: one
234. Number of ignition coils: one
235. Number of spark plugs per cylinder: one
(SP) 236. Generator type: (dynamo) (alternator) Number: one
237. Method of drive: belt & pulley
238. Voltage of generator: 12
239. Battery, number:
240. Location of battery: engine compartment
241. Voltage of battery: _____ 12 _____ volts

ENGINE & CAR PERFORMANCE (as declared by manufacturer in catalog)

- (SP) 250. Horsepower, maximum engine output: 285 SAE at: 4800 rpm
(indicate SAE or DIN)
(SP) 251. Maximum rpm: 4800 (SP) Output at that figure: 285 hp (SAE)
(SP) 252. Maximum torque: 390 at: 3200 rpm
(SP) 253. Maximum speed: _____ km/hour _____ miles/hour

255. CAM



(SP) Inlet cam

S = 25.4	mm	1.0	inches
T = 20.3	mm	.8	inches
U = 38.1	mm	1.5	inches

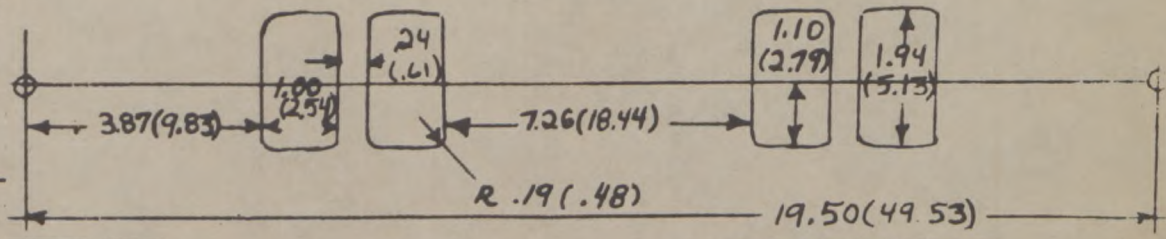
(SP) Exhaust cam

S = 25.4	mm	1.0	inches
T = 20.3	mm	.8	inches
U = 38.1	mm	1.5	inches

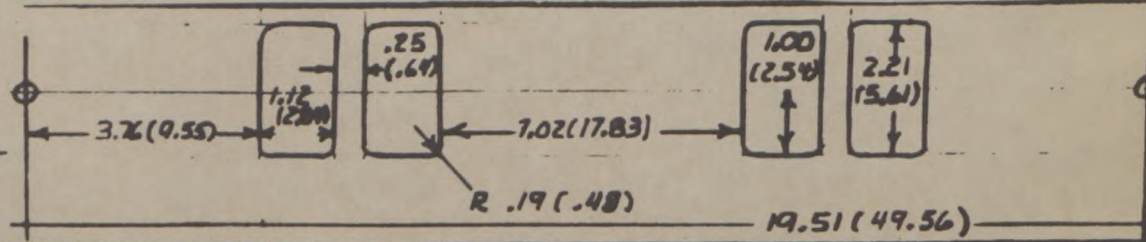
All dimensions - inches (cm) All tolerances - ± inch, 0.03 cm

Drawing inlet manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

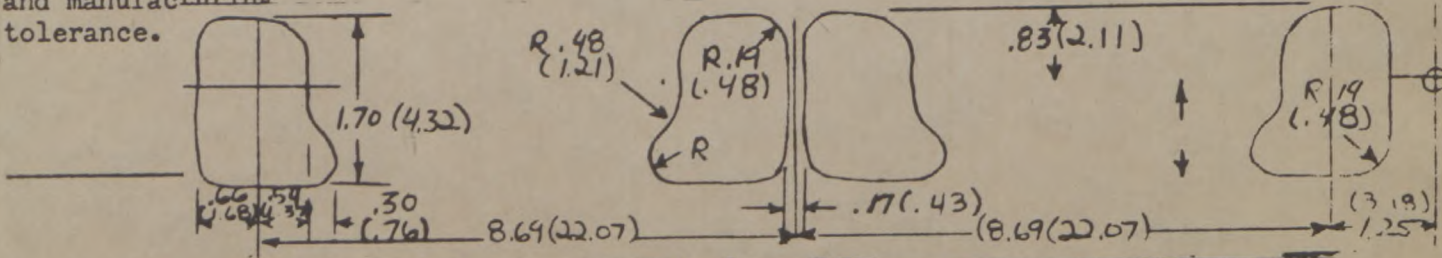
Tolerances 0,3 mm



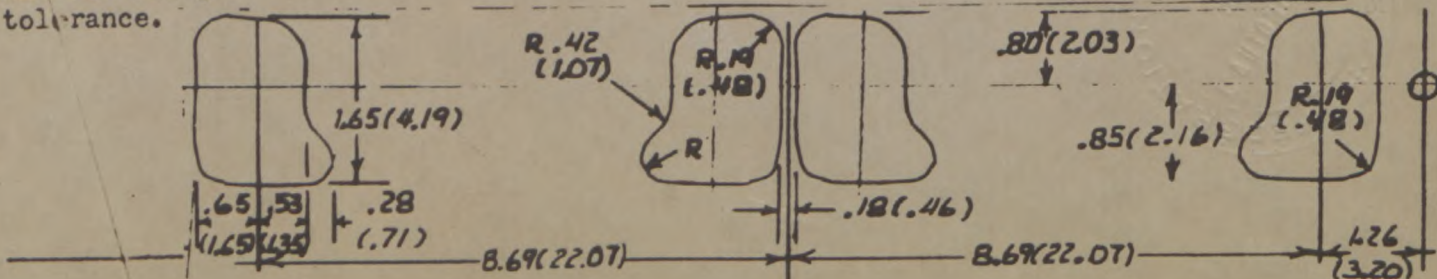
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing exhaust manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exit to exhaust port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



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MODEL WAGONEER 14

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DRIVE TRAIN

Clutch

- 260. Type of clutch: none
- 262. Diameter of clutch plates: none
- 263. Inside diameter of lining: none
- Outside diameter of lining: none
- 264. Method of operation: none

- 261. Number of plates: none
- _____ mm _____ inches
- _____ mm _____ inches
- _____ mm _____ inches

Gear Box (Photo H)

- * 270. Manual type, make: None Method of operation:
- * 271. Number of gear box forward ratios: none
- 272. Synchronized forward ratios: none
- 273. Location of gear-shift:
- * 274. Automatic, make: General Motors Type: turbo-hydrumatic
- * 275. Number of forward ratios: 3
- 276. Location of gear-shift: column

277.	Manual		Automatic		Alternative Manual/Automatic			
	Ratio	No. Teeth	Ratio	No. Teeth	Ratio	No. Teeth	Ratio	No. Teeth
1			2.481					
2			1.481					
3			direct					
4								
5								
6								
Reverse			2.076					

- 278. Overdrive, type: NA
- 279. Forward gears on which overdrive can be selected: NA
- 280. Overdrive ratio: NA

FINAL DRIVE

- * 290. Type of final drive: 4 wheel, full floating front, semi floating rear
- * 291. Type of differential: ring & pinion
- * 292. Type of limited slip differential (if fitted): friction (Quadra-trac)
- 293. Final drive ratio: 3.31 - 3.73
- Number of teeth: 43/13 41/11

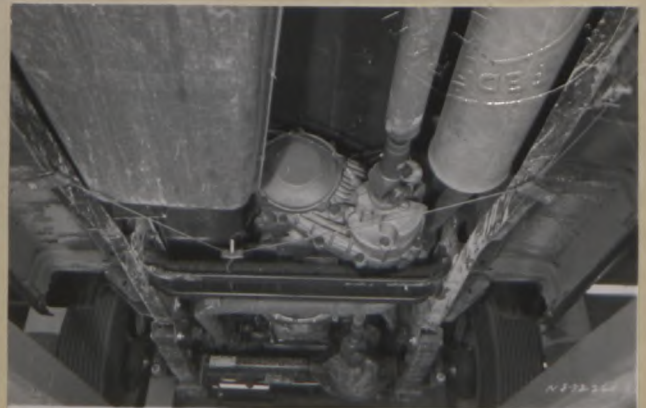


TABLE OF TOLERANCES

-Tolerances for all machining, except bore and stroke: $\begin{matrix} + \\ - \end{matrix} 0.2\%$

(articles 156, 158, 159, 181, 196, 215, 216, 225, 262, 263, and also the orifices appearing on page 8 of the recognition form.)

-Article 146: tolerance: $\begin{matrix} + \\ - \end{matrix} 0.5\%$

-Unfinished castings: $\begin{matrix} +.4\% \\ - 2\% \end{matrix}$

-Cam-lift: + 1%

(articles 132, 197, 255.)

-Weight (articles 160 to 164) : $\begin{matrix} + 7\% \\ - 3\% \end{matrix}$

-Width of the car at the front and rear axles : $\begin{matrix} + 1\% \\ - 0.3\% \end{matrix}$

-Track (article 1) : $\begin{matrix} + \\ - \end{matrix} 0.5\%$

Combustion chamber.

a) Volume of combustion chamber: 99.32 cc

b) Head gasket thickness (compressed) : 1.118 mm .044 in $\begin{matrix} + \\ - \end{matrix} .005$

B 3/4 REAR CAR *



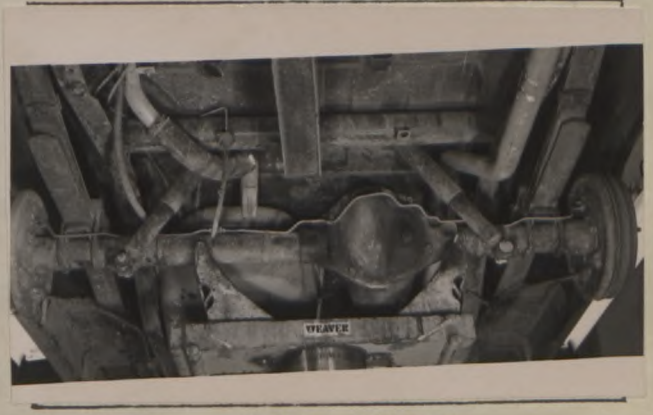
C INTERIOR CAR



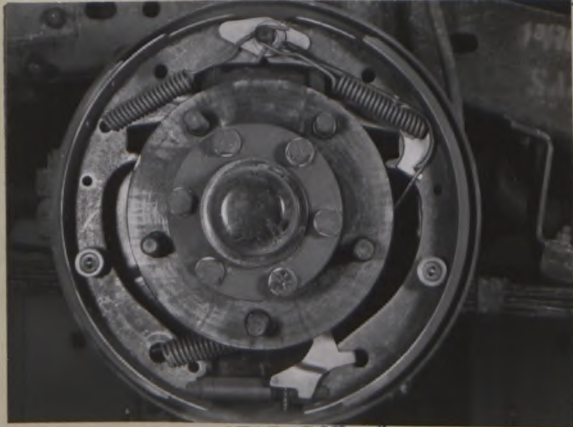
D FRONT AXLE *



E REAR AXLE *



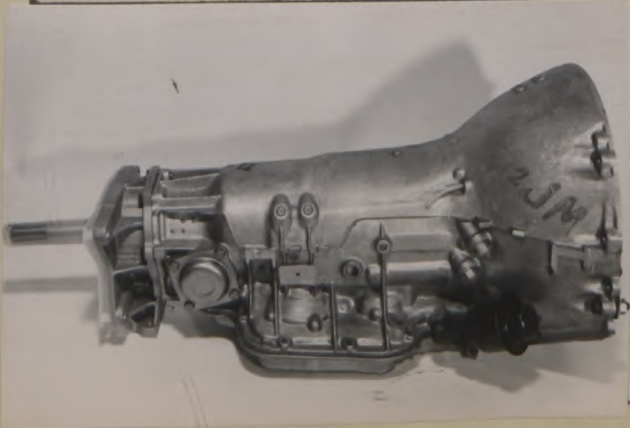
F BRAKE, FRONT *



G BRAKE, REAR *



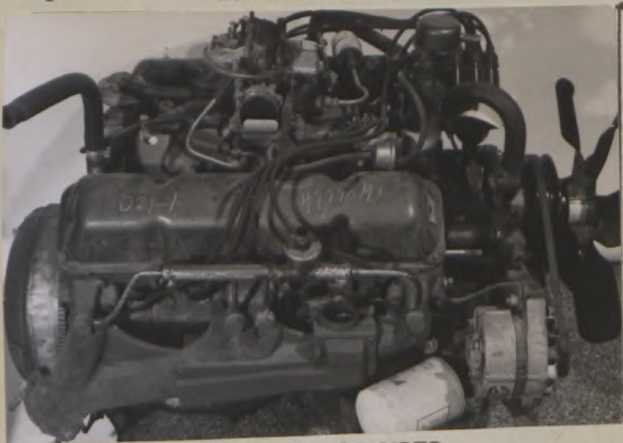
H GEAR BOX *



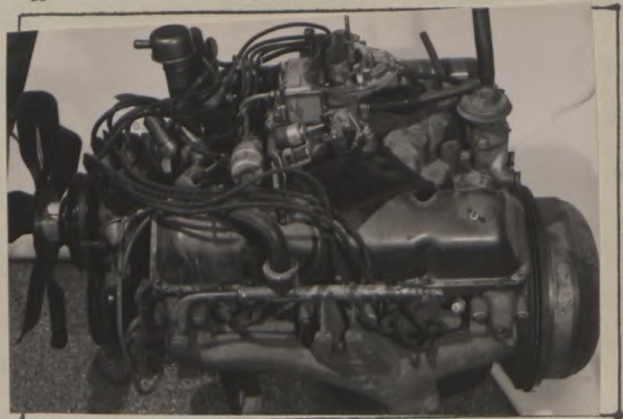
I EXHAUST SYSTEM



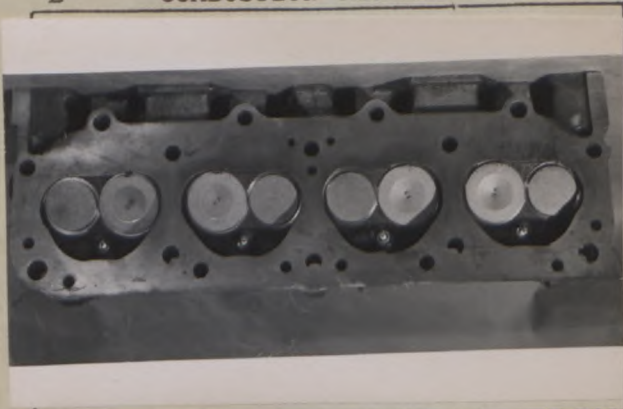
J ENGINE RIGHT *



K ENGINE LEFT *



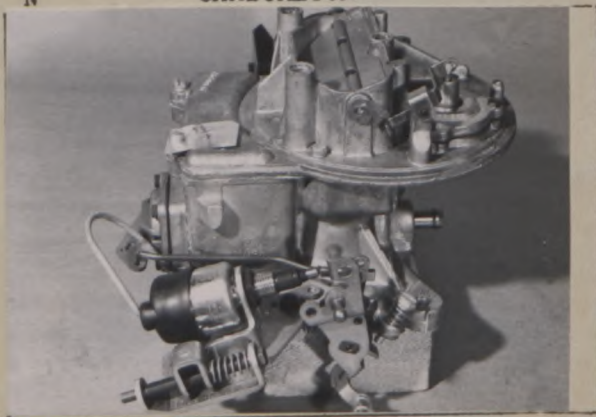
L COMBUSTION CHAMBER



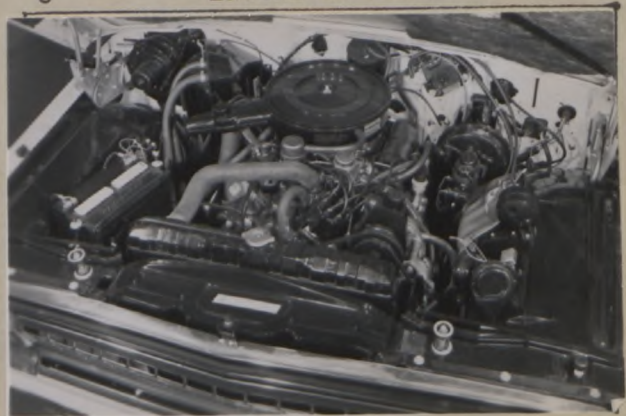
M PISTON TOP



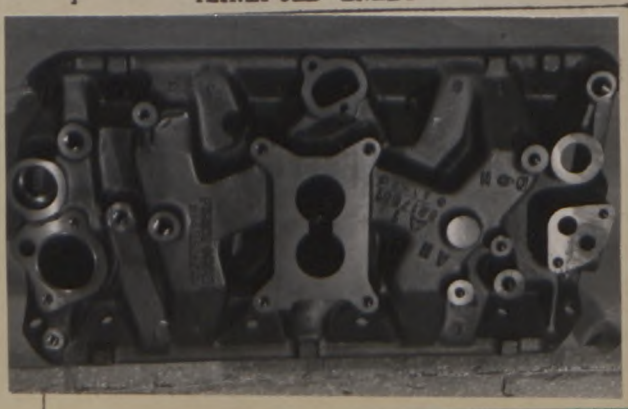
N CARBURETOR



O ENGINE IN PLACE *



P MANIFOLD INLET



Q MANIFOLD EXHAUST



1/1E



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FEDERATION INTERNATIONALE DE L'AUTOMOBILE
DOCUMENT OF HOMOLOGATION EXTENSION
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make AMERICAN MOTORS Model WAGONEER 14 QUADRA-TRAC
 Serial numbers initiating the modifications described below: Chassis/Body J3A1440N00001
 Engine "
 Date of production of first vehicles incorporating modifications: 1 Sept. 19 72
 Designation of vehicles incorporating modifications: Wagoneer 14 Quadra-Trac
 This homologation extension is to be considered as a: VARIANT (Option)
 NORMAL EVOLUTION OF TYPE ERRATA
 (Replaces previous design)
 This Homologation is valid from 1.10 19 73 List

DESCRIPTION OF MODIFICATIONS:

ERRATA

Item #9	should read	1894 Kg, 4171 lbs.
" #250	" "	175 SAE HP at 4000 RPM
" #251	" "	4000 Rpm - 175 SAE HP
" #252	" "	285 ft lbs at 2400 RPM

Signature & Stamp of
National Sporting Authority

Signature & Stamp
of the F.I.A.

2/11



**AUTOMOBILE COMPETITION COMMITTEE
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FEDERATION INTERNATIONALE DE L'AUTOMOBILE
DOCUMENT OF HOMOLOGATION EXTENSION
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make Jeep Model Wagoneer Quadra-Trac Cherokee

Serial numbers initiating the modifications described below: Chassis/Body J4A167CZ00001
Engine J4A167CZ00001

Date of production of first vehicles incorporating modifications: 7/23 1973

Designation of vehicles incorporating modifications: 1974 Wagoneer Quadra-Trac Cherokee

This homologation extension is to be considered as a: VARIANT (Option) X
NORMAL EVOLUTION OF TYPE _____
(Replaces previous design) _____

This Homologation is valid from 1 10 1973 List _____

DESCRIPTION OF MODIFICATIONS: Two door coachwork configuration.

Item #9. Weight: Total weight of vehicle with normal equipment described on homologation sheet, all required lubricants and coolants and one spare wheel and tire, but without fuel or repair tools - 1967 kg 4336 lbs

Item #24. Number of Doors: 2 Material: Steel

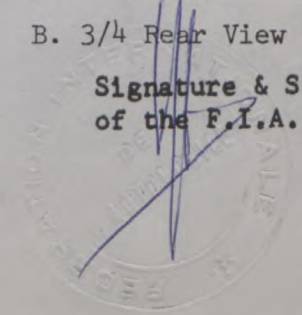


A. 3/4 Front View Car

B. 3/4 Rear View Car

Signature & Stamp of
National Sporting Authority

Signature & Stamp
of the F.I.A.



3/2E



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FEDERATION INTERNATIONALE DE L'AUTOMOBILE
DOCUMENT OF HOMOLOGATION EXTENSION
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make Jeep Model Wagoneer 14 Quadra-Trac

Serial numbers initiating the modifications described below:

Chassis/Body J4A144CZ00001

Engine J4A144CZ00001

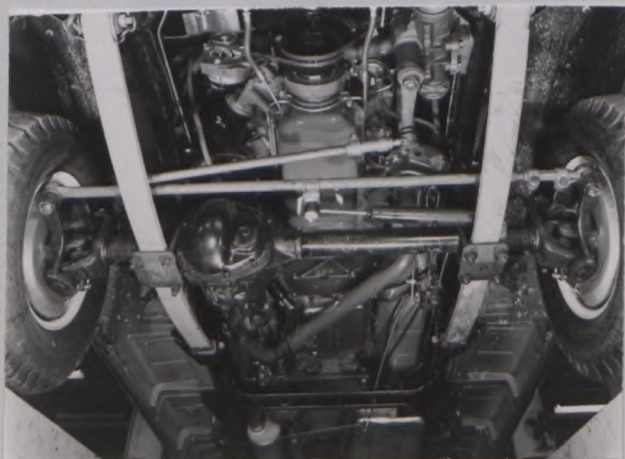
Date of production of first vehicles incorporating modifications: 7/23 1973

Designation of vehicles incorporating modifications: 1974 Jeep Wagoneer Quadra-Trac

This homologation extension is to be considered as a: VARIANT (Option) No
NORMAL EVOLUTION OF TYPE Yes
(Replaces previous design)

This Homologation is valid from 1-11-1973 List

DESCRIPTION OF MODIFICATIONS: Dana 44 full floating, solid front axle replaces Dana 30 used previously. New front power disc brakes replace front drum brakes used previously. Wheel base change from 110 in. to 109 in. Front track change from 57.3 in. to 59.0 in.



D. Front Axle
Signature & Stamp of
National Sporting Authority



F. Brake, Front
Signature & Stamp
of the F.I.A.

[Handwritten signature and stamp]

MAKE Jeep MODEL Wagoneer 14 FIA REC # 1650

IMPORTANT - Underlined items must be filled in, in both metric and English values. 312E
 See Conversion Table below. SEE PAGE 10 FOR EXPLANATION OF SYMBOLS.

CAPACITIES AND DIMENSIONS

- * 1. Wheelbase: 2768.6 mm 109.00 inches
- * 2. Front track: 1498.6 mm 59.0 inches (1)
- * 3. Rear track: 1460.5 mm 57.5 inches (1)
- 4. Overall length of car 4665.4 cm 183.7 inches
- 5. Overall width of car (at widest point) 192.02 cm 75.6 inches
- 5a Overall width of car (at vertical plane through front wheels) 187.7 cm 73.9 in
- 5b Overall width of car (at vertical plane through rear wheels) 183.5 cm 72.25 in
- 6. Overall height of car 165.8 cm 65.3 inches
- * 7. Capacity of fuel tank (reserve included) 83.27 Litres 22.0 U.S.Gals.
- 8. Seating capacity: Six
- * 9. Weight - Total weight of vehicle with normal equipment described on homologation sheet, all required lubricants and coolants and one spare wheel and tire, but without fuel or repair tools
1967 kg 4336 lbs

(1) Specify ground clearance Front and Rear corresponding to Front and Rear track measurements shown above. Indicate by sketch below reference points on chassis or suspension where these dimensions are checked. These specifications are for the purpose of checking the track with specified wheel rim size with the suspension at reference setting. Differences in track resulting from use of different rim widths must be shown with suspension at reference setting. A sketch showing the rim widths superimposed is desirable.

TABLE OF CONVERSIONS

1 inch -----	2.54 cm	1 pound -----	453.593 gr
1 foot -----	30.4794 cm	1 quart U.S. -----	0.9464 ltrs
1 square inch -----	6.452 cm ²	1 pint U.S. -----	0.473 ltrs
1 cubic inch -----	16.387 cm ³	1 gallon U.S. -----	3.785 ltrs

MAKE Jeep

MODEL Wagoneer 14

FIA REC # 1650

3/2E

SUSPENSION

- * 70. Front suspension (Photo D) type: Full floating Dana 44 solid axle
- * 71. Type of spring: Multi Leaf
- (SP) 72. Stabilizer (if fitted): None
- 73. Number of shock absorbers: One Per Wheel
- 74. Type: Telescopic Direct

- * 78. Rear suspension (Photo E) type:
- * 79. Type of spring:
- (SP) 80. Stabilizer (if fitted):
- 81. Number of shock absorbers:
- 82. Type:

BRAKES (Photos F and G)

- * 90. Method of operation: Hydraulic
- (SP) 91. Power assisted (if fitted,) type: Single diaphragm booster
- 92. Number of master cylinders: One dual

	<u>Front</u>		<u>Rear</u>	
93. Number of cylinders per wheel:			23.82	.938
94. Bore of wheel cylinder:	_____ mm	_____ in	_____ mm	_____ in
(SP) <u>Drum Brakes:</u>				
95. Inside diameter:	_____ mm	_____ in	279.4 mm	11.0 in
96. Length of brake linings:	_____ mm	_____ in	571.5 mm	22.5 in
97. Width of brake linings:	_____ mm	_____ in	50.8 mm	2.0 in
98. Number of shoes per brake:				
99. Total area per brake:	_____ mm ²	_____ in ²	5832.6 mm ²	90.4 in ²
(SP) <u>Disc Brakes:</u>				
100. Outside diameter	304.8 mm	12.0 in	_____ mm	_____ in
101. Thickness of disc:	32.51 mm	1.280 in	_____ mm	_____ in
102. Length of brake linings:	136.5 mm	5.375 in	_____ mm	_____ in
103. Width of brake linings:	50.8 mm	2.00 in	_____ mm	_____ in
104. Number of pads per brake:				
105. Total area per brake:	6934.2 mm ²	10.75 in ²	_____ mm ²	_____ in ²



RECEIVED
AUG 6 1973
ACCUS - FIA, INC.

else

h/2V



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FOR THE UNITED STATES, FIA, INC.**
330 Vanderbilt Motor Parkway
HAUPPAUGE, L. I., NEW YORK 11787

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE
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Make Jeep Model Wagoneer 14 Quadra-Trac

Serial numbers initiating the modifications described below: Chassis/Body J4A144CZ00001
Engine J4A144CZ00001

Date of production of first vehicles incorporating modifications: 7/23 19 73

Designation of vehicles incorporating modifications: 401 Wagoneer Quadra-Trac

This homologation extension is to be considered as a: VARIANT (Option) Yes
NORMAL EVOLUTION OF TYPE No
(Replaces previous design)

This Homologation is valid from 1 11 19 73 List _____

DESCRIPTION OF MODIFICATIONS:

New optional 401 CID engine.

Signature & Stamp of
National Sporting Authority

Signature & Stamp
of the F.I.A.



MAKE Jeep

MODEL 401 Wagoneer Quadra-Trac

FIA REC # 1650

h/2v

ENGINE (Photos J and K)

- * 130. Cycle: Four
- * 131. Number of cylinders: Eight
- * 132. Cylinder arrangement: 90° Vee Wankel: # of elements & basic dimensions-
- * 133. Bore: 105.8 mm 4.165 inches
- * 134. Stroke: 93.5 mm 3.68 inches
- * 135. Capacity per cylinder: 821.4 cm³ 50.125 cu in
- * 136. Total cylinder capacity: 6571.2 cm³ 401.00 cu in

- * 137. Material of cylinder block: Cast Iron
- * 138. Material of sleeves (if fitted): None
- * 139. Cylinder head material: Cast Iron Number fitted: Two
- * 140. Number of inlet ports: Eight (4 per head)
- * 141. Number of exhaust ports: Eight (4 per head)
- (SP)142. Compression ratio: 8.35:1
- (SP)143. Volume of combustion chamber: 98.332 cm³ 6.00 cu in
- (SP)144. Piston, material: Aluminum
- (SP)145. Number of rings: Three (two compression, one oil)
- (SP)146. Distance from gudgeon pin centre line to highest point of piston crown: 40.67 mm 1.60 inches

- * 147. Crankshaft: (~~cast~~) (forged)
- * 148. Crankshaft, type: (integral) (~~sectioned~~)
- * 149. Crankshaft, number of main bearings: 5
- * 150. Material of bearing cap: Cast Iron
- 151. System of lubrication: (~~dry sump~~) (oil in sump)
- 152. Lubricant capacity: 4.73 litres 10 pints 5 quarts U.S.
- (SP)153. Oil cooler: (~~yes~~) (no)
- * 154. Method of engine cooling: Water
- 155. Capacity of cooling system: 12.3 litres 26 pints 13 quarts U.S.
- (SP)156. Cooling fan (if fitted) diameter: 49.53 cm 19.5 inches
- (SP)157. Number of blades of cooling fan: Seven

BEARINGS

- * 158. Crankshaft, main, type: Alloy Diameter: 69.85 mm 2.75 inches
- * 159. Connecting rod, big end, type: Alloy Diameter: 53.09 mm 2.09 inches

WEIGHTS

- (SP)160. Flywheel (clean): 14.1 kg 31.0 lbs
- (SP)161. Flywheel with clutch (all rotating parts): 23.6 kg 51.1 lbs
- (SP)162. Crankshaft: 26.3 kg 58.2 lbs
- (SP)163. Connecting Rod: .7 kg 1.5 lbs
- (SP)164. Piston with rings and pin: .7 kg 1.6 lbs

MAKE Jeep

MODEL 401 Wagoneer Quadra-Trac

FIA REC # 1650

4/2V

FOUR CYCLE ENGINES

- * 170. Number of camshafts: One
- * 171. Location of camshaft: In block, center of V
- * 172. Type of camshaft drive: Chain
- * 173. Type of valve operation: Pushrod

INLET (see Photo P) +

- 180. Material of inlet manifold: Cast Iron
- 181. Overall diameter of valves: 51.43 mm 2.025 inches
- (SP) 182. Maximum valve lift: 11.61 mm .457 inches
- 183. Number of valve springs: Eight & eight dampers
- 184. Type of spring: Coil
- * 185. Number of valves per cylinder: One inlet
- (SP) 186. Tappet clearance for checking timing (cold) 0.0 mm 0.0 inches
- (SP) 187. Valves open at (with tolerance for tappet clearance indicated): 25.57° BTC
- (SP) 188. Valves close at (with tolerance for tappet clearance indicated): 90.75° ABC
- (SP) 189. Air filter: (~~wet~~) (dry) Cartridge type: (yes) (~~no~~)

EXHAUST (see Photo Q)

- 195. Material of exhaust manifold: Cast iron
- 196. Overall diameter of valves: 42.67 mm 1.680 inches
- (SP) 197. Maximum valve lift: 11.61 mm .457 inches
- 198. Number of valve springs: Eight & eight dampers
- 199. Type of spring: Coil
- * 200. Number of valves per cylinder: One exhaust
- (SP) 201. Tappet clearance for checking timing (cold) 0.0 mm 0.0 inches
- (SP) 202. Valves open at (with tolerance for tappet clearance indicated): 80.80° BBC
- (SP) 203. Valves close at (with tolerance for tappet clearance indicated): 42.75° ATC
- (SP) 204. Inside diameter of exhaust manifold outlet: 2.25 inches

CARBURETION (see Photo N)

- 210. Number of carburetors fitted: One
- (SP) 211. Type: Four barrel downdraft
- (SP) 212. Make: Motorcraft
- (SP) 213. Model: 3TA4
- 214. Number of mixture passages per carburetor: Four
- (SP) 215. Flange hole diameter of exit port of carburetor: 39.62 mm 1.56 inches
- (SP) 216. Depending on type of carburetor, indicate: diameter at throat of venturi/s at the plane of maximum restriction. Dimension of mixture passage at the point of maximum restriction with the piston in its maximum open position (example SU type): 27.38 mm 1.07 inches

+ For additional information concerning two-stroke engines and supercharged engines, add supplementary page

MAKE Jeep

MODEL 401 Wagoneer Quadra-Trac FIA REC # 1650

4/2V

INJECTION (if fitted)

220. Make of pump: _____ 221. Number of plungers: _____
(SP)222. Model or type of pump: _____ 223. Total number of injectors: _____
224. Location of injectors: _____
(SP)225. Minimum diameter of inlet pipe: _____ mm _____ inches

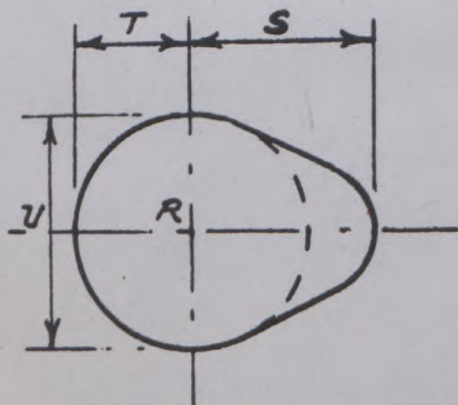
ENGINE ACCESSORIES

- (SP)230. Fuel pump: mechanical and/or electrical
231. Number fitted: One
232. Type of ignition system: Transistorized
233. Number of distributors: One
234. Number of ignition coils: One
235. Number of spark plugs per cylinder: One
(SP)236. Generator type: (dynamo) (alternator) Number: One
237. Method of drive: Belt and pulley
238. Voltage of generator: 12 239. Battery, number: One
240. Location of battery: Engine compartment
241. Voltage of battery: 12 volts

ENGINE & CAR PERFORMANCE (as declared by manufacturer in catalog)

- (SP)250. Horsepower, maximum engine output: 215 SAE NET at: 4200 rpm
(indicate SAE or DIN)
(SP)251. Maximum rpm: 4200 (SP) Output at that figure: 215 SAE NET
(SP)252. Maximum torque: 320 at: 2800 rpm
(SP)253. Maximum speed: _____ km/hour _____ miles/hour

255. CAM



(SP) Inlet cam
S = 25.4 mm 1.0 inches
T = 20.3 mm .8 inches
U = 38.1 mm 1.5 inches

(SP) Exhaust cam
S = 25.4 mm 1.0 inches
T = 20.3 mm .8 inches
U = 38.1 mm 1.5 inches

MAKE Jeep

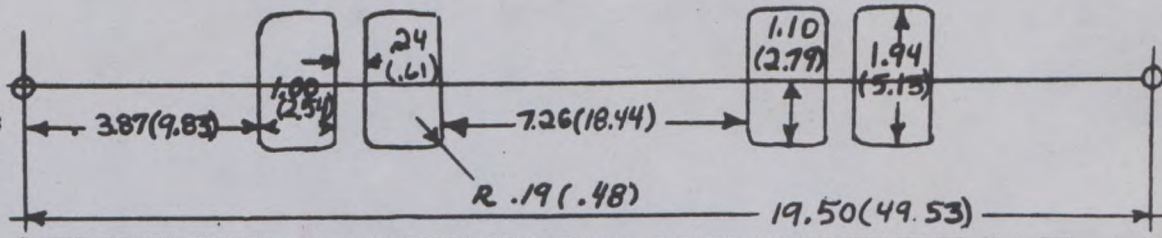
MODEL 401 Wagoneer Quadra-

FIA REC # 1650

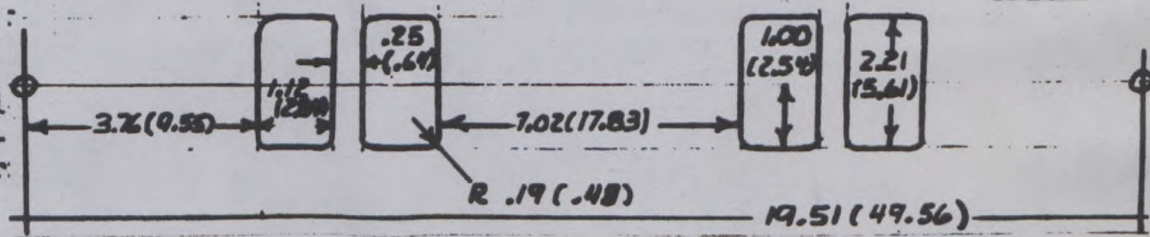
4/W

ALL DIMENSIONS-INCHES (CM) ALL TOLERANCES- ± INCH, 0.03 CM

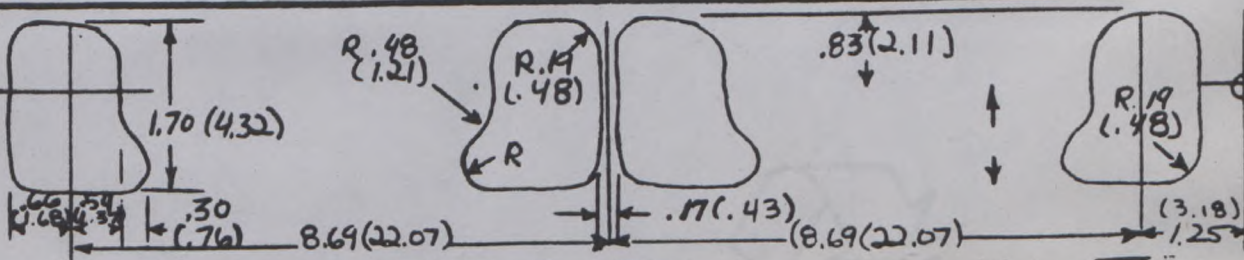
Drawing inlet manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



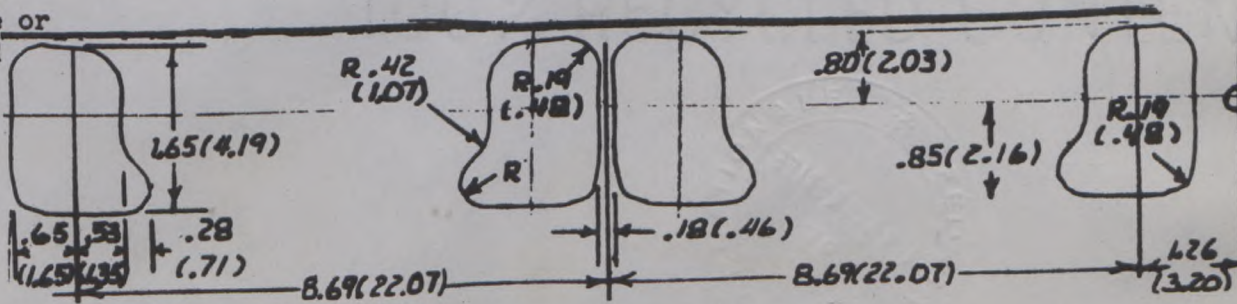
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing exhaust manifold port: side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

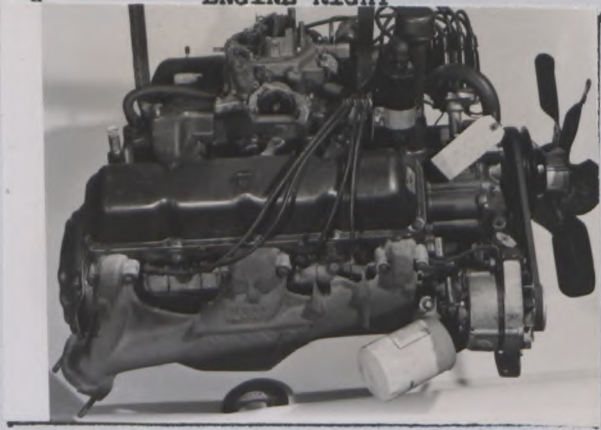


Drawing of exit to exhaust port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

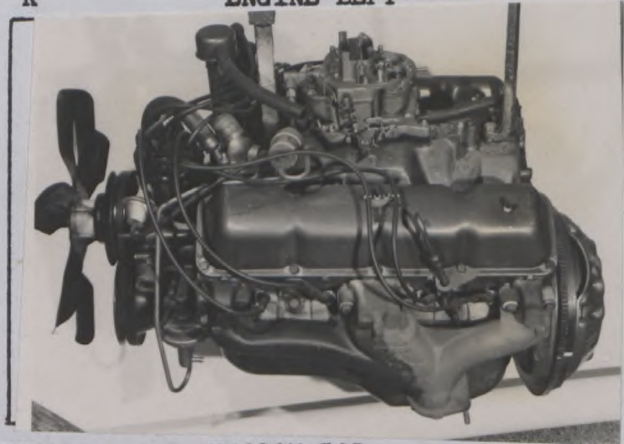


L/W

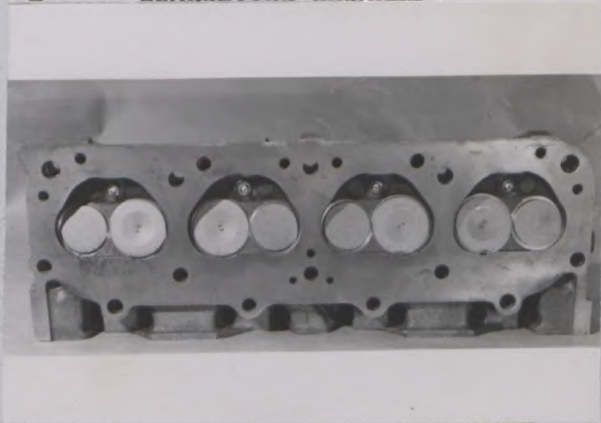
J ENGINE RIGHT *



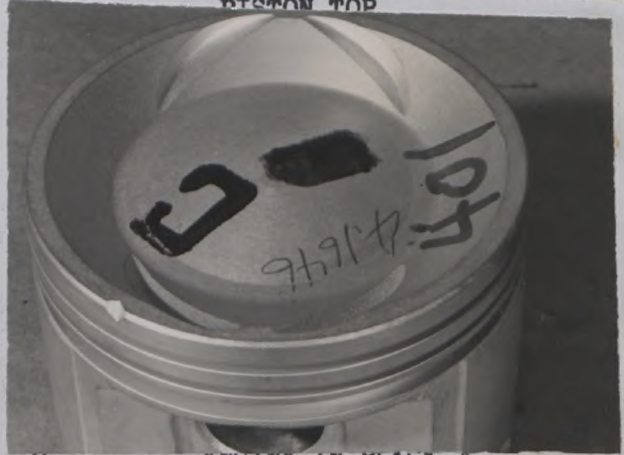
K ENGINE LEFT *



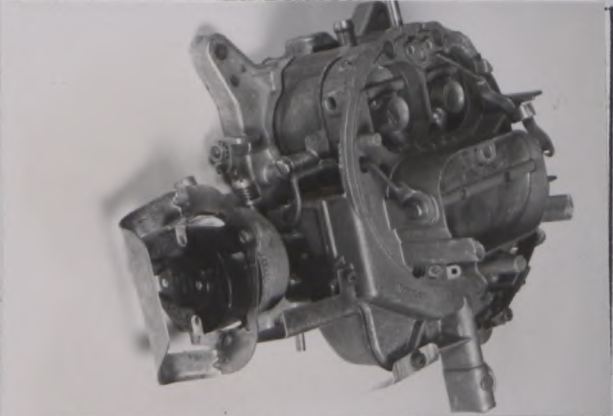
L COMBUSTION CHAMBER



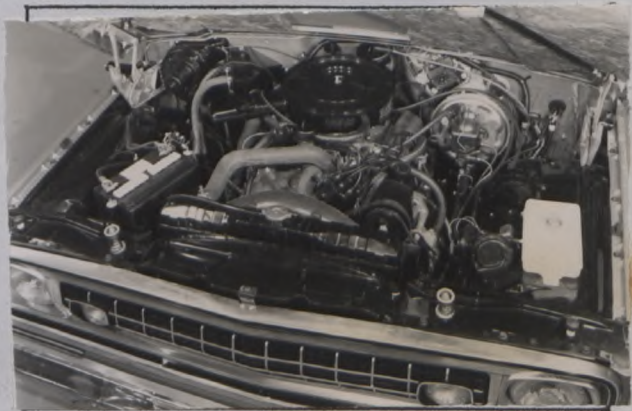
PISTON TOP



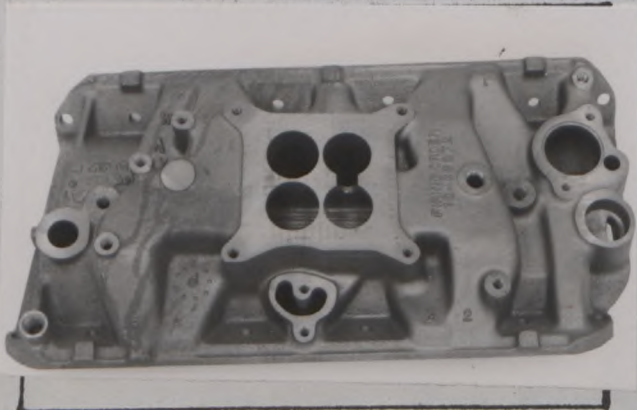
N CARBURETOR



O ENGINE IN PLACE



P MANIFOLD INLET

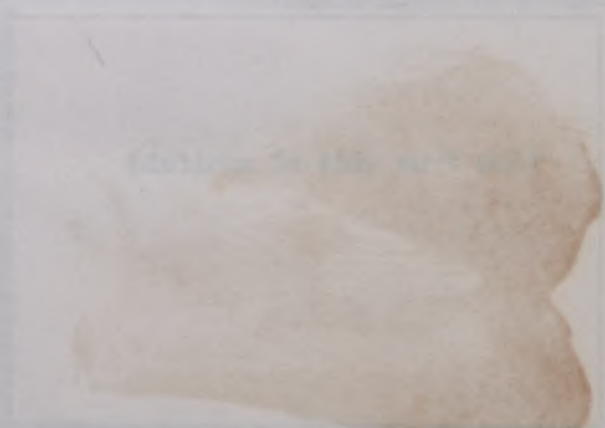
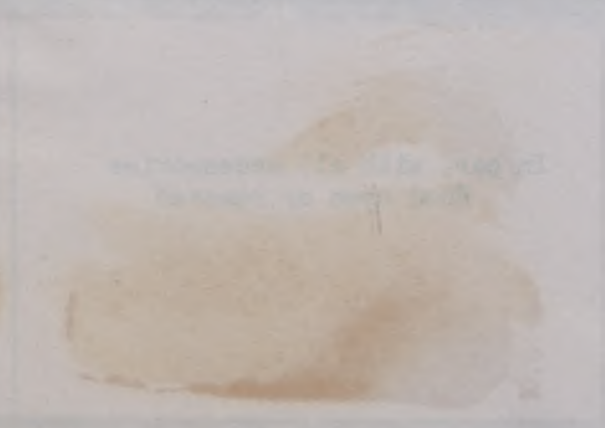
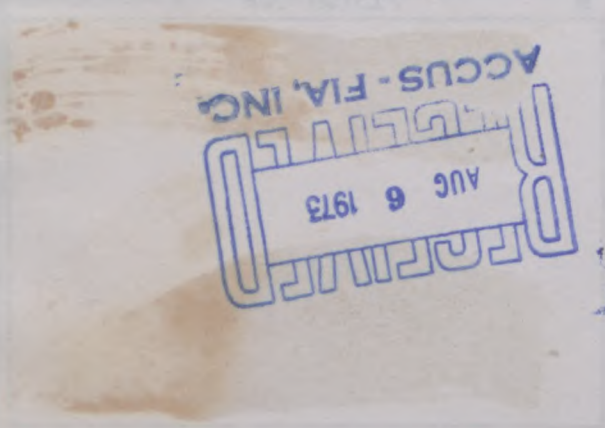


Q MANIFOLD EXHAUST



15M

15M



4/2V

TABLE OF TOLERANCES

-Tolerances for all machining, except bore and stroke: $\begin{matrix} + \\ - \end{matrix} -0.2\%$

(articles 156, 158, 159, 181, 196, 215, 216, 225, 262, 263, and also the orifices appearing on page 8 of the recognition form.)

-Article 146: tolerance: $\begin{matrix} + \\ - \end{matrix} 0.5\%$

-Unfinished castings: $\begin{matrix} + \\ - \end{matrix} 4\%$

-Cam-lift: $+ 1\%$

(articles 132, 197, 255.)

-Weight (articles 160 to 164) : $\begin{matrix} + \\ - \end{matrix} 7\%$

-Width of the car at the front and rear axles : $\begin{matrix} + \\ - \end{matrix} 0.3\%$

-Track (article 1) : $\begin{matrix} + \\ - \end{matrix} 0.5\%$

Combustion chamber.

a) Volume of combustion chamber: 110.43 cc

b) Head gasket thickness (compressed) : 1.117 mm .044 in



Telephone: (516) 582-4040



Cable Address: "ACCUSFIA" Hauppauge, L.I., N.Y.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.

330 VANDERBILT MOTOR PARKWAY, HAUPPAUGE, L.I., N.Y. 11787

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

PRODUCTION CERTIFICATE

Date September 3, 1973

MANUFACTURER Jeep Corporation

MODEL DESIGNATION Wagoneer Quadra-Trac Cherokee

TYPE DESIGNATION _____

PRODUCTION PERIOD: From 7/73

To 7/74

Monthly Production

Month/Year	Number
7/73	53
8/73	1142
TOTAL	1195
REMARKS:	

I hereby certify that the production mentioned hereabove concerns cars which are entirely completed and in conformity with the specifications of the recognition form submitted for the said model and type.

Signed for Manufacturer: R. J. Swaim

Title: R. J. Swaim - Manager, Performance Activities

Production Verification Date _____

By _____

Title _____

RECEIVED
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ACCUS - FIA, INC.

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Telephone: (516) 582-4040

Cable Address: "ACCUSFIA" Hauppauge, L.I., N.Y.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.

330 VANDERBILT MOTOR PARKWAY, HAUPPAUGE, L.I., N.Y. 11787

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

PRODUCTION CERTIFICATE

Date September 3, 1973

MANUFACTURER Jeep Corporation

MODEL DESIGNATION 1974 Wagoneer 14 Quadra-Trac

TYPE DESIGNATION _____

PRODUCTION PERIOD: From 7/73

To 7/74

Monthly Production

I hereby certify that the production mentioned hereabove concerns cars which are entirely completed and in conformity with the specifications of the recognition form submitted for the said model and type.

Signed for Manufacturer: R. J. Swaim

Title: R. J. Swaim - Manager, Performance Activities

Production Verification Date _____

By _____

Title _____

Month/Year	Number
7/73	197
8/73	1321
TOTAL	1518
REMARKS:	

3285



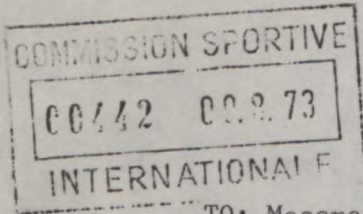
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AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, F.I.A., INC.

330 Vanderbilt Motor Parkway, Hauppauge, L.I., N.Y. 11787

August 6, 1973



TO: Messrs: ✓ Yvon Leon, F.I.A., Paris, France
Claude LeGuezec, F.I.A., Paris, France
Philip Schmitz, B.P.I.C.A., Paris, France
D.H. Delamont, R.A.C., London, England
Paul Frere, Chapelle St. Lambert, Belgium
Jean Hebert, Paris, France
Roberto Nosetto, C.S.A.I., Milan, Italy
Curt Schild, Berne, Switzerland
Herbert W. Schmitz, AvD, West Germany

Gentlemen:

Enclosed please find the following submissions from the American Motors Corporation for recognition with the Wagoneer Quadra-Trac, FIA #1650:

- 1) An errata covering items #9 and #250 of existing recognition form.
- 2) A variant covering a two door version of homologated vehicle.
- 3) A variant covering an optional 401 CID (6,571 cc) engine.
- 4) An evolution of type certificate covering a new front axle and front brakes.

Production certificates will be distributed at the September meeting.

Yours very truly,

William K. Hopkins
Technical Director

WKH.bm
encls.
as listed



Telephone: (516) 582-4040

Cable Address: "ACCUSFIA" Hauppauge, L.I., N.Y.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, F.I.A., INC.

330 VANDERBILT MOTOR PARKWAY, HAUPPAUGE, L.I., N.Y. 11787

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

PRODUCTION CERTIFICATE

Date September 3, 1973

MANUFACTURER Jeep Corporation

MODEL DESIGNATION 401 Wagoneer Quadra-Trac

TYPE DESIGNATION _____

PRODUCTION PERIOD: From 7/73

To 7/74

Monthly Production

Month/Year	Number
7/73	197
8/73	851
TOTAL	1048
REMARKS:	

I hereby certify that the production mentioned hereabove concerns cars which are entirely completed and in conformity with the specifications of the recognition form submitted for the said model and type.

Signed for Manufacturer: R. J. Swaim

Title: R. J. Swaim - Manager, Performance Activities

Production Verification Date _____

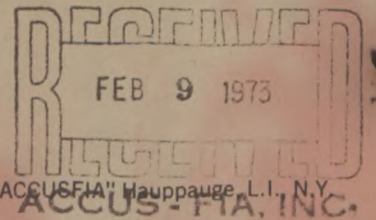
By _____

Title _____

Telephone: (516) 582-4040



Cable Address: "ACCUSFIA" Hauppauge, L.I., N.Y.



AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, F.I.A., INC.

330 VANDERBILT MOTOR PARKWAY, HAUPPAUGE, L.I., N.Y. 11787

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

PRODUCTION CERTIFICATE

Date February 6, 1973

MANUFACTURER JEEP CORPORATION

MODEL DESIGNATION WAGONEER

TYPE DESIGNATION _____

PRODUCTION PERIOD: From 9/72

To 6/73

Monthly Production

I hereby certify that the production mentioned hereabove concerns cars which are entirely completed and in conformity with the specifications of the recognition form submitted for the said model and type.

Signed for Manufacturer: Robert J. Swaim
Robert J. Swaim

Title: Manager, Performance Activities

Production Verification Date _____

By _____

Title _____

Month/Year	Number
Sept. 1972	319
Oct. 1972	373
Nov. 1972	102
Dec. 1972	999
Jan. 1973	998
TOTAL	2791
REMARKS:	