



ACCUS

Red/black dot entries:

HISTORIC TECHNICAL PASSPORT – VALID IN: RACING & &

This Technical Passport is not a certificate of authenticity, nor does it in anyway verify the history of the car or its constituent parts. A Technical Passport merely confirms that at the date of the inspection, the car appeared to be eligible to compete in FIA-sanctioned events for historic vehicles. Neither the FIA nor the ASN certifies or takes responsibility for the accuracy of the chassis number.
 The items shown below as "asserted" are those claimed by the owner based upon his best available knowledge.

Issuing ASN: ACCUS Form Number: USA 6283 Category: Two-Seater Racing Car

Period: E - 1946 to 1960 valid to 31.12.2027 FIA Class: TSRC 4

THE ORIGINAL OF THIS DOCUMENT WAS COMPLETED IN ACCORDANCE WITH APPENDIX "K" TO THE INTERNATIONAL SPORTING CODE, FOR CARS TAKING PART IN HISTORIC COMPETITIONS. THIS CERTIFIED COPY OF THE ORIGINAL FORM REMAINS THE PROPERTY OF THE FIA AND, IF REPLACED WITH A NEW FORM, MUST BE RETURNED TO THE ISSUING ASN WHICH HOLDS THE ORIGINAL. DURING THE WHOLE EVENT THE CAR MUST CONFORM TO ALL THE DECLARATIONS OF THIS HTP.

Make asserted: SCARAB Manufacturer asserted: SCARAB MOTORSPORTS Ilc
Model asserted: SPORTS RACER Date of original manufacture asserted: 2014 Year of specification: 1958
Engine type: CHEVROLET V 8 OHV FIA identity n°: 42621
Engine capacity: 5555 cm³ corrected: cm³ Vehicle chassis / VIN n°: MBS 001
FIA homologation form number (if applicable): Number of relevant valid pages of homologation form:



Each page of this form, as well as the edge of each photograph, must bear the stamp of the issuing ASN

We, the ACCUS, have checked the information given on this form and confirm that to the best of our knowledge and belief, the car complies with the period specification of the make and model represented.

Date: JUL 1-8 2017

Signature and stamp:

Name and status of signatory:

Nicholas W Crow
President and CEO
ACCUS-FIA

NWC





In case of homologated car only: if extensions of the original homologation form are used (in accordance with Appendix K), their numbers must be entered below:

In case of homologated cars bodywork may only be altered on Competition Grand Touring Cars (GTS) before Period G and on Competition Touring and GTS cars from Period G onwards according to Appendix J of the period. For the avoidance of any doubt there must be attached to this document evidence of Period Specification of changed bodywork according to Appendix K, over stamped by the issuing ASN as authorisation.

In any case for non homologated cars a period picture of the model has to be shown below



Period image. Event: Lime Rock.....; date of the event:....1959.....

IMPORTANT: If this model has *no International History*, tick this box:

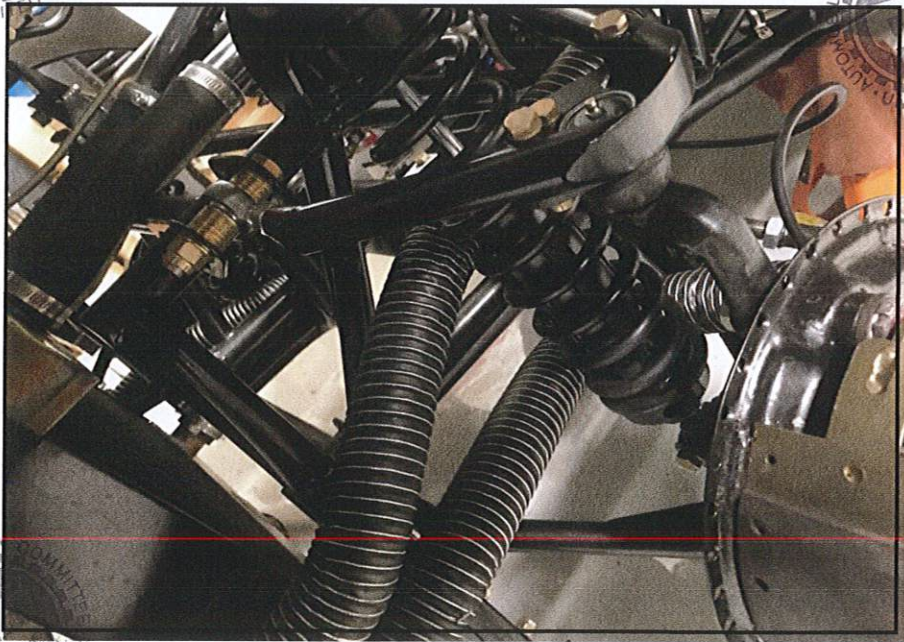
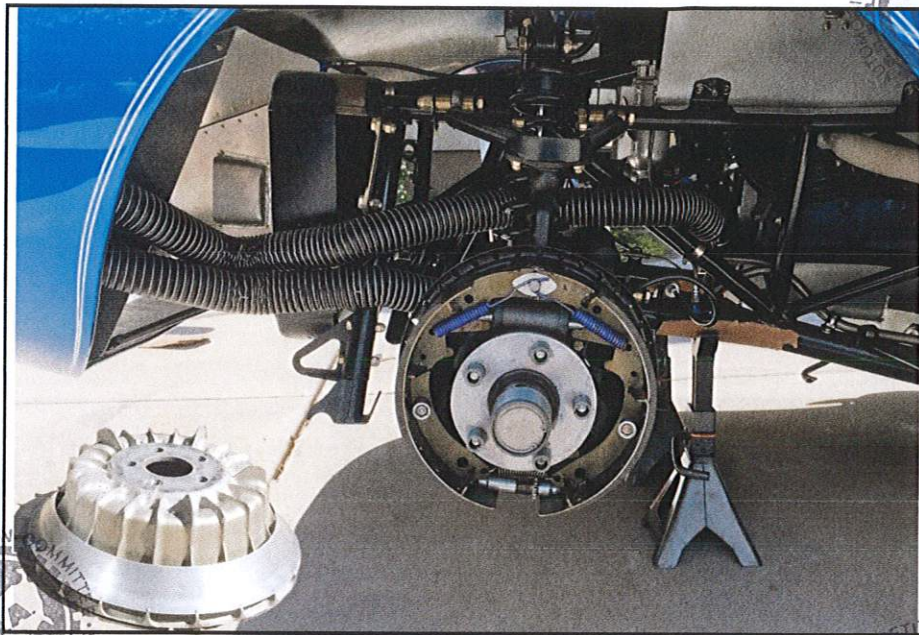
**1 – CHASSIS, SUSPENSION****1.1 CHASSIS FRAME**

[a]	Is the car fitted with a chassis to the period specifications?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[b]	Clarification:	
[c]	Construction (girder, tubular, monocoque, etc.): TUBULAR	
[d]	Materials: STEEL	
[e]	Note position of all identification numbers on the car: RHS front shock absorber tower and plate in drivers compartment	

1.2 FRONT SUSPENSION

[a]	Is the suspension as per the period specifications and dimensions?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[b]	Clarification:	
[c]	Type of suspension (rigid axle, wishbones, de Dion, etc.): WISHBONES	
[d]	Type of spring (coil, leaf, torsion bar, etc.): COIL	
[e]	Type of dampers (friction, lever, telescopic, etc.): TELESCOPIC	
[f]	Are the dampers adjustable?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[g]	If yes to [f], state the number of adjusters per damper: 1	
[h]	Material of the dampers: Steel <input checked="" type="checkbox"/> Aluminium <input type="checkbox"/>	
[i1]	Is the geometry of suspension adjustable?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[i2]	Is the height of suspension adjustable?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[j]	If yes to [i1] and/or [i2], specify the method (Uniball joints, different mountings, etc.): i1: UNIBALL JOINT IN TOP WISHBONE i2:	
[k]	Is it fitted with an anti-roll bar?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[l]	If yes, is this bar adjustable?	yes <input type="checkbox"/> no <input type="checkbox"/>
[m]	Are sensors fitted?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[n]	If yes, list the sensors:	



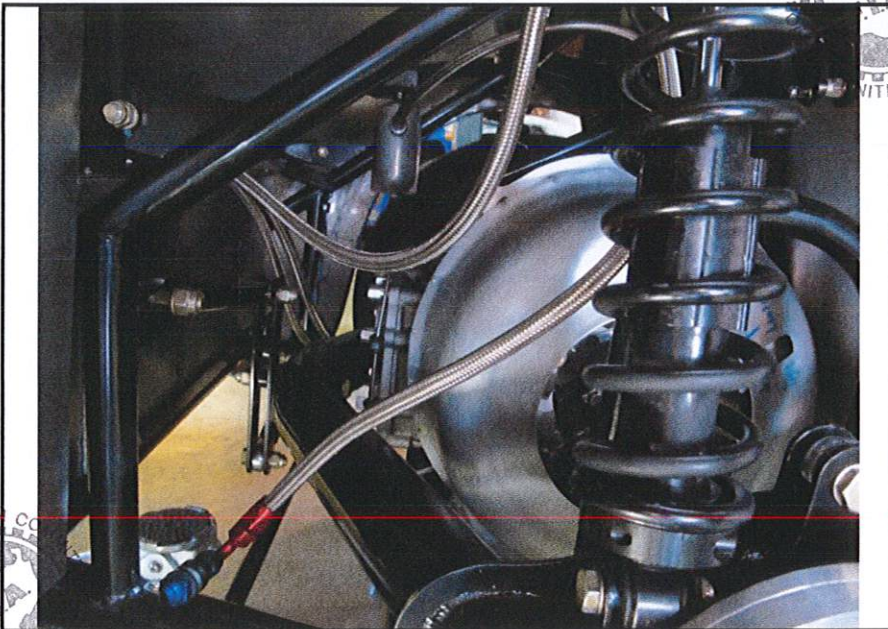
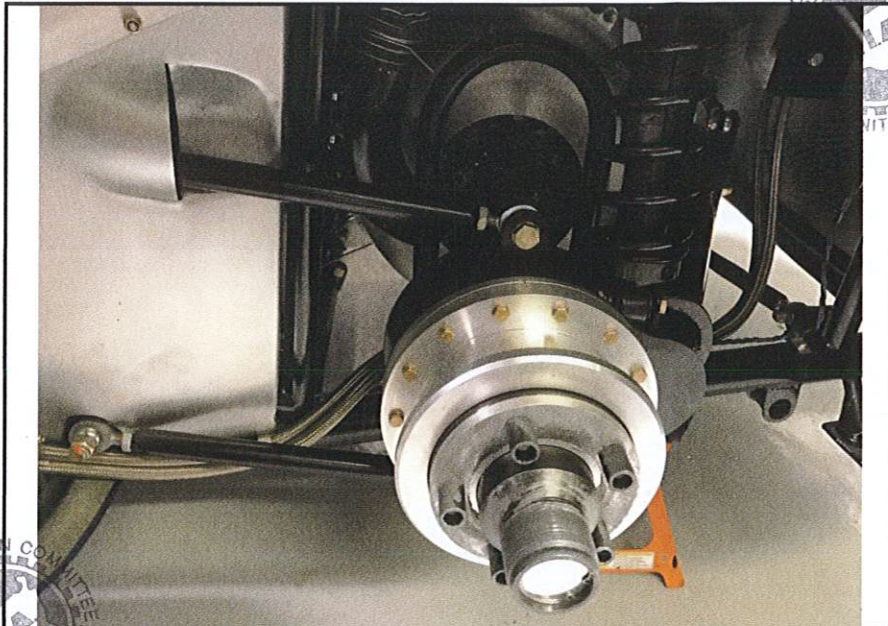




1.3 REAR SUSPENSION

[a]	Are the suspension and dimensions as per the period specifications?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[b]	Clarification:	
[c]	Type of suspension (rigid axle, wishbones, de Dion, etc.): de DION AXLE, TWIN TRAILING ARMS AND WATTS LINKAGE	
[d]	Type of spring (coil, leaf, torsion bar, etc.): COIL	
[e]	Type of dampers (friction, lever, telescopic, etc.): TELESCOPIC	
[f]	Are the dampers adjustable?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[g]	If yes to [f], state the number of adjusters per damper: 1	
[h]	Material of the dampers: Steel <input checked="" type="checkbox"/> Aluminium <input type="checkbox"/>	
[i1]	Is the geometry of suspension adjustable?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[i2]	Is the height of suspension adjustable?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[j]	If yes to [i1] and/or [i2], specify the method (Uniball joints, different mountings, etc.): i1: BALL JOINTS ON TRAILING ARMS i2:	
[k]	Is it fitted with an anti-roll bar?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[l]	If yes, is this bar adjustable?	yes <input type="checkbox"/> no <input type="checkbox"/>
[m]	Are sensors fitted?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[n]	If yes, list the sensors:	





**2 – ENGINE****2.1 ENGINE**

[a]	Is the engine as per the period specifications for this chassis?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Is the position of the engine as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[d]	Clarification:		
[e]	Is the cylinder block cast using the period specification material and dimensions? Specify material: CI	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[f]	Clarification:		
[g]	Is the cylinder head cast using the period specification material and dimensions? Specify material: C.I	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
		Casting number: 373/63	
[h]	Clarification:		
[i]	Make: CHEVROLET	Casting number of the block: GM 3731539	
[j]	Year of manufacture: 1958	Operating method: Four-stroke cycle	
[k]	Number of cylinders: EIGHT	Configuration (straight, V, etc.): VEE	
[l]	Bore: original: 101.6 mm	Stroke: original: 85.7 mm	
	actual: 101.6 mm	actual: 85.7 mm	
[m]	Engine capacity: original: 5555 cm ³	actual: 5555 cm ³	
[n]	Number of intake ports: 8 Number of exhaust ports: 8 Number of transport port (in case of two stroke engines): Number of rotors (in case of wankel/rotary engine):	Number of plugs per cylinder: 1 Number of valves per cylinder: 2	
[o]	Valve sizes to period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[p]	Clarification:		
[q]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[r]	If yes, list the sensors:		



2.2 IGNITION

[a]	Is the system as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Type (magneto, breaker/coil, etc.): MAGNETO		
[d]	If the ignition is electronic, specify the make and principal:		
[e]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[f]	If yes, list the sensors:		



2.3 FUEL FEED

[a]	Are the make, type and number of carburetors / injection as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Carburettor: Number: Make: Type: \emptyset of venturi in mm:		
[d]	Injection : Make: HILBORN Type: MECHANICAL		
[e]	If an air restrictor is fitted, diameter of the restrictor: mm		
[f]	If supercharged, is the supercharger as per the period specifications?	yes <input type="checkbox"/>	no <input type="checkbox"/>
[g]	Clarification:		
[h]	Supercharger: Make: Type: Number:		
[i]	If an air cooler is fitted, is it as per the period specifications?	yes <input type="checkbox"/>	no <input type="checkbox"/>
[j]	Clarification:		
[k]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[l]	If yes, list the sensors:		



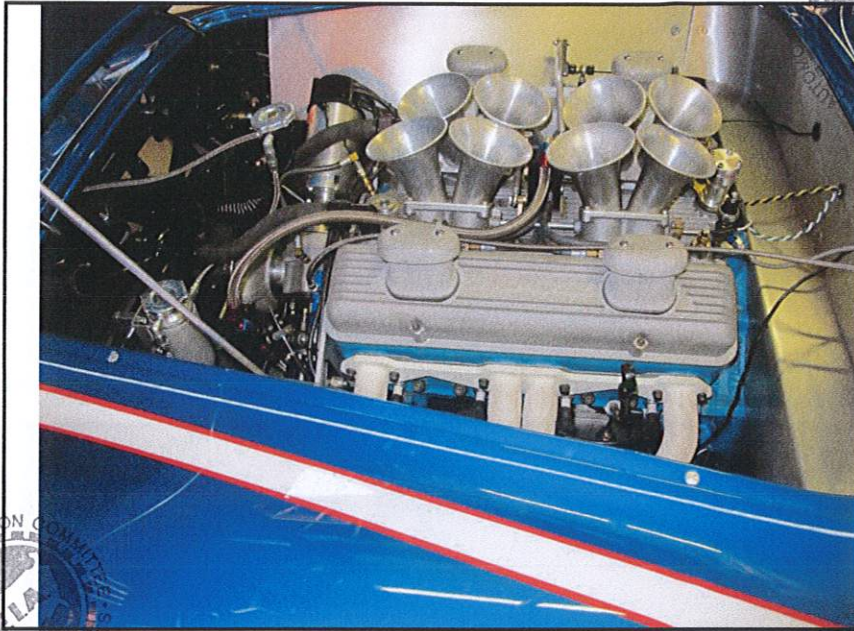
2.4 FUEL SYSTEM

[a]	Is the fuel system as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Type of fuel feed (gravity, mechanical pump, electric pump, etc.):	ELECTRIC	
[d]	Is a fuel cooler fitted	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[e]	Is the fuel tank as per the period specification's location? Does it comply with Appendix K?	yes <input checked="" type="checkbox"/> yes <input checked="" type="checkbox"/>	no <input type="checkbox"/> no <input type="checkbox"/>
[f]	Clarification:		
[g]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[h]	If yes, list the sensors:		



2.5 LUBRICATION

[a]	Is the system as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Type (wet sump, dry sump, etc.):	WET SUMP	
[d]	Is an oil cooler fitted?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[e]	If yes, is the cooler as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[f]	If no, specify and justify the changes in relation to the period specification:		
[g]	Is a main circuit oil filter fitted (pre-war cars only)?	yes <input type="checkbox"/>	no <input type="checkbox"/>
[h]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[i]	If yes, list the sensors:		



**3 – TRANSMISSION****3.1 GEARBOX**

[a]	Is the gearbox as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Make: BORG WARNER	Type: T10	
[d]	Number of forward gears: 4	reverse gear:	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[e]	Number of teeth (for homologated cars only):		
	1st gear:	2nd gear:	3rd gear:
		4th gear:	5th gear:
	Constant:	alternatives listed in section 9 <input type="checkbox"/>	
			6th gear:
[f]	Is an oil cooler fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[g]	If yes, is it as per the period specifications?	yes <input type="checkbox"/>	no <input type="checkbox"/>
[h]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[i]	If yes, list the sensors:		

**3.2 FINAL DRIVE**

[a]	Driven wheels:	Front: <input type="checkbox"/>	Rear: <input checked="" type="checkbox"/>
[b]	Drive method (shaft, chain, etc.): SHAFT		
[c]	Is the final drive ratio as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[d]	Specify the number of teeth used: 11:35		
[e]	Specify the other number of teeth available as period specifications: 14:53 – - - - -		
[f]	Is the differential a limited slip differential?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[g]	If yes:	Make: CHEVROLET	Model: POSITRACTION System: CLUTCHES
[h]	Is an oil cooler fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[i]	If yes, is it as per the period specifications?	yes <input type="checkbox"/>	no <input type="checkbox"/>
[j]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[k]	If yes, list the sensors:		

**4 – BRAKES AND STEERING****4.1 BRAKES**

[a]	Is the braking system as per the period specifications?				yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:					
[c]	Actuation (cable, rod, hydraulic, etc.): Front: HYDRAULIC Rear: HYDRAULIC <u>Other option:</u>					
[d]	Is the braking system assisted?		yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	<u>Other option:</u>	
[e]	Specify the system:					
[f]	Make:		Front: SCARAB	Rear: SCARAB		
[g]	<u>If drum brakes:</u>	Drum diameter	Front: 278 mm	Rear: 278 mm	Other: mm	
		Shoe width	Front: 95 mm	Rear: 90 mm	Other: mm	
[h]	<u>If disc brakes:</u>	Disc diameter	Front: mm	Rear: mm		
		Max. disc thickness	Front: mm	Rear: mm		
		Ventilated disc:	Front: yes <input type="checkbox"/> no <input type="checkbox"/>	Rear: yes <input type="checkbox"/> no <input type="checkbox"/>		
		Callipers:	Material at front:	Number of pistons per front calliper:		
			Material at rear:	Number of pistons per rear calliper:		
[i]	Are sensors fitted?				yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[j]	If yes, list the sensors:					

**4.2 STEERING**

[a]	Is the steering as per the period specifications?				yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:					
[c]	Type (rack and pinion, worm and roller, etc.): RACK AND PINION					
[d]	Is the steering assisted?		yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>		
[e]	Specify the system:					
[f]	Are sensors fitted?				yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[g]	If yes, list the sensors:					

**5 – WHEELS****5.1 WHEELS**

[a]	Are the wheels as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Are the wheels in multiple parts?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[d]	Are the diameter and the width of the wheels as per the period specification?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[e]	Clarification:		
[f]	Type and material (wire, pressed steel, alu alloy, magnesium alloy, etc.): Front: MAGNESIUM ALLOY Rear: MAGNESIUM ALLOY		
[g]	Diameters / widths of rims at the <u>front</u> (specify the units: inches or millimetres):		
	1. Diameter: 16 " Width: 6 "	2. Diameter: " Width: "	
	3. Diameter: " Width: "	4. Diameter: " Width: "	
[h]	Diameters / widths of rims at the <u>rear</u> (specify the units: inches or millimetres):		
	1. Diameter: 16 " Width: 7 "	2. Diameter: " Width: "	
	3. Diameter: " Width: "	4. Diameter: " Width: "	
[i]	Are sensors fitted?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[j]	If yes, list the sensors:		

6 – BODYWORK, LIGHTING**6.1 BODY**

[a]	Is the body the original one for that chassis?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	If no, is the body as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[c]	Clarification:		
[d]	Is all the material of the body as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[e]	Main material: ALUMINIUM If other material used specify material and body parts:		
[f]	Type (single-seater, coupé, etc.): OPEN TWO SEAT RACING CAR		
[g]	Number of seats: 2		
[h]	Number of doors: 2		

6.2 AERODYNAMIC DEVICES (cars built after 1965 only)

[a]	Are these devices as per the period specifications?	yes <input type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Measurements see extension "AERODYNAMIC DEVICES (MEASUREMENTS)"		



6.3 LIGHTING

[a]	Is the lighting as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	If no, specify and justify the changes in relation to the period specification:		
[c]	Is generator fitted?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[d]	If yes, type: dynamo <input checked="" type="checkbox"/> alternator <input type="checkbox"/> other, specify and justify:		

7 – DIMENSIONS

7.1 DIMENSIONS

[a]	Wheelbase: left: 2330 mm right: 2330 mm
[b]	- Track (measured between the centres of the tyre treads): <input checked="" type="checkbox"/> - or Body width at centre line of axles for homologated cars from Period G2 onwards <input type="checkbox"/> Original front: 1360 mm Current front: 1360 mm Original rear: 1280 mm Current rear: 1280 mm
[c]	Minimum weight: 840 kg

8 – DRAWINGS AND/OR PICTURES

If necessary, drawings and/or pictures of the aerodynamic devices, suspension, etc

9 – ADDITIONAL PIECES OF INFORMATION

If necessary, list of alternatives (gearbox ratios, etc)

10 – TECHNICAL REGULATIONS

- The car must comply with the technical regulations for Group of Appendix C 19 .
- Or, the car must comply with the following technical regulations: Appendix K, Art 6 (from 19).

The regulations of current appendix K have priority.


11 – COMPETITOR'S DECLARATION

WE CERTIFY THAT THE ANSWERS GIVEN ARE CORRECT, AND WE UNDERTAKE TO NOTIFY THE AUTHORISING ASN SHOULD ANY CHANGES BE MADE. WE FURTHERMORE ACCEPT THAT IF AT A LATER DATE OUR ANSWERS ARE SHOWN TO HAVE BEEN KNOWINGLY INCORRECT OR INACCURATE THAT THIS HTP WILL BE IMMEDIATELY CANCELLED. WE ALSO CERTIFY THAT ANY ENTRY FORM FOR AN FIA INTERNATIONAL EVENT WILL BE FILLED IN ACCORDING TO THE INFORMATION GIVEN ON THE PRESENT FORM.

Name of the car owner: RICHARD KITZMILLER
Full address: SCARAB MOTORSPORTS LLC ,3509 W 71st Street , PRAIRIE VILLAGE KS 66208
Licence number (if applicable):

Date: *July 10, 2017*

Signature: *[Handwritten Signature]*



CAUTION: This document is intended solely to verify that, at the date of the inspection, the car appears to be eligible to compete in FIA-sanctioned events for Historic Vehicles (as defined in the International Sporting Code). It makes no representation as to guarantee the authenticity or history of the car. For example, a part which appears to be manufactured to original specification was not necessarily fitted to this car at the time of original manufacture, and the car may have been modified since the date of the inspection. The ASN has not inspected the car for any purpose other than that specified above, and accepts no liability for the accuracy or otherwise of any information contained in this form. Such information has been supplied by the owner of the car, who remains solely responsible for its accuracy.

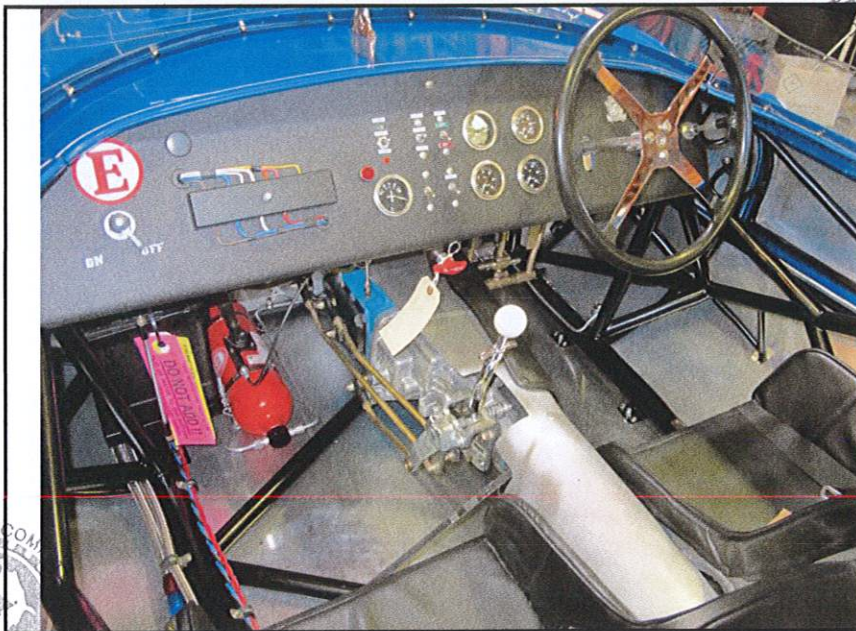
12 – CHANGE IN OWNERSHIP

Name of the new car owner:
Full address:
Licence number (if applicable):
Name of the new car owner:
Full address:
Licence number (if applicable):
Name of the new car owner:
Full address:
Licence number (if applicable):

EXTENSION – NON HOMOLOGATED CARS

This extension is an addition to the basic Historic Technical Passport for non homologated cars, for Group 5 cars and post-1992 GT cars





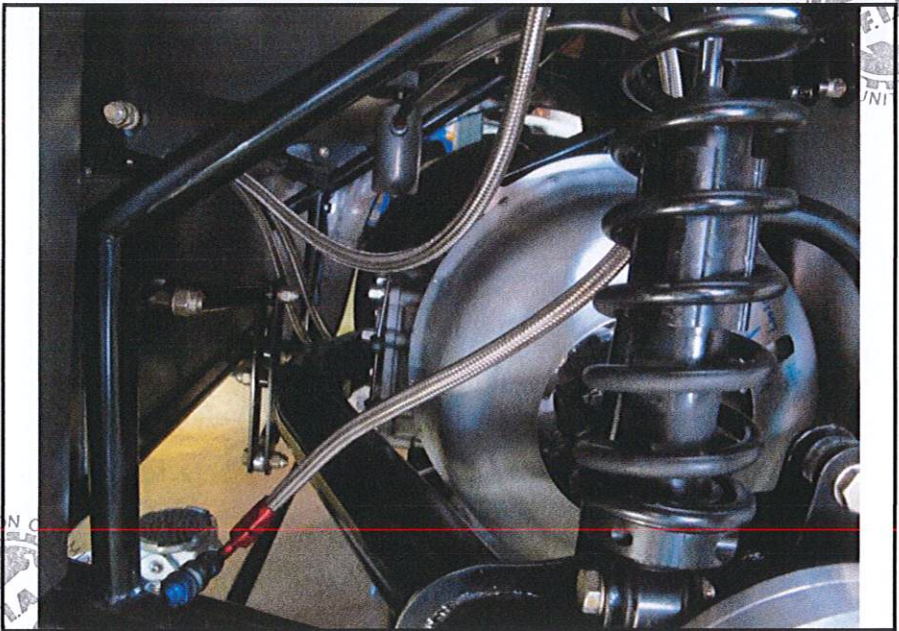
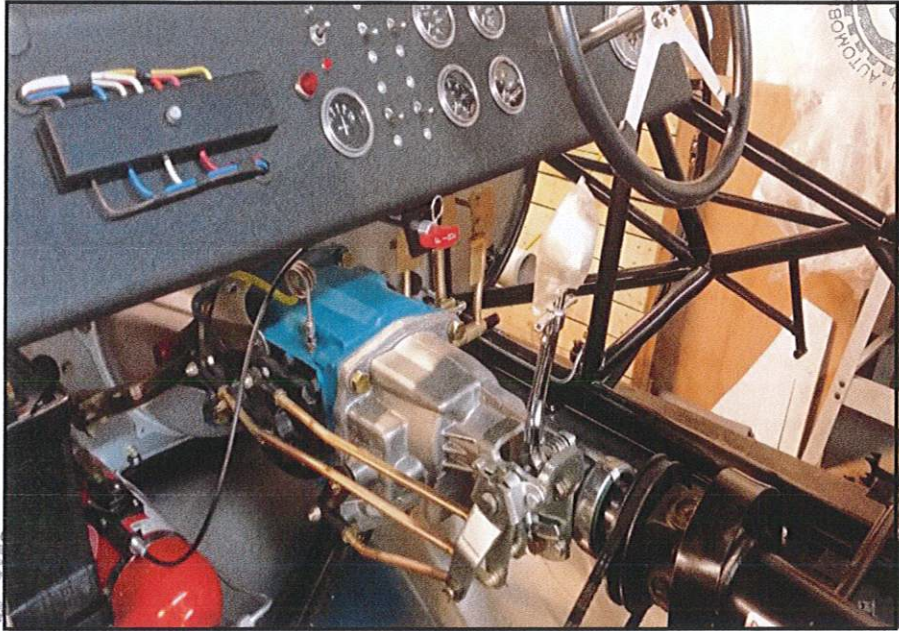


COLOUR PHOTOGRAPH OF THE COMPLETE BOOT

Digital photograph of suitable resolution

9 cm x 13 cm







DOCUMENTARY REFERENCES

Draw up a list of the technical and descriptive references to the car found in documents (books, periodicals, etc.) contemporary with its construction.

A large, empty rectangular box with a thin black border, intended for the user to draw up a list of technical and descriptive references to the car found in documents contemporary with its construction.

**EXTENSION – ROLL OVER PROTECTION SYSTEM****1.1 ROLL OVER PROTECTION SYSTEM**

[a]	System in accordance with: Period Specification (Appendix J)
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1.2 FIA HOMOLOGATED SYSTEM

[a]	If on <u>FIA homologation form</u> : Name of manufacturer: Homologation number of the form: Number of the homologation extension:
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N.B.: A copy of the extension must be attached to the HTP.

1.3 ASN CERTIFIED SYSTEM

[a]	If <u>certified by an ASN</u> : Name of the ASN: Certificate / Test report number:
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N.B.: A copy of the certificate must be attached to the HTP.

1.4 APPENDIX K SYSTEM (SELF MADE)

[a]	Main/Lateral bar	Front bar	Diagonals	Other struts	Cross braces
Outer diameter (mm)					
Wall thickness (mm)					

[b]	Material specification:
[c]	Drawing numbers according to App. K - App. VI (including the basic drawings and drawings of all options used):

1.5 PERIOD SPECIFICATION SYSTEM

[a]	Main/Lateral bar	Front bar	Diagonals	Other struts	Cross braces
Outer diameter (mm)	41.275				
Wall thickness (mm)	3.048				

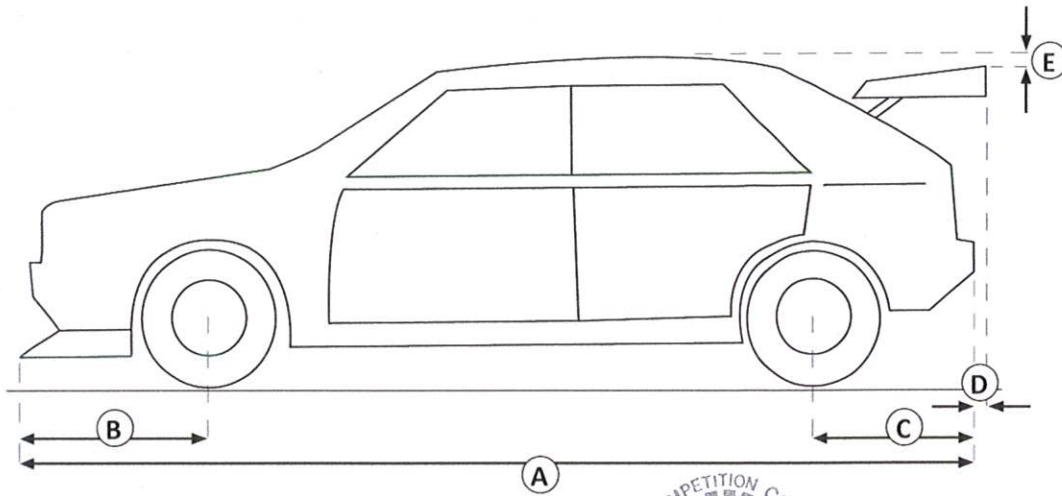
[b]	Material specification: 4130 Chromoly
[c]	Drawing numbers according to App. K - App. VI (including the basic drawings and drawings of all options used): SEE 1.6 BELOW
[d]	Number of mounting points to bodyshell / chassis: 2

1.6 FURTHER INFORMATION, IF NECESSARY:

Mounting points and material specifications
taken off the original Meister Brauser Scakab.

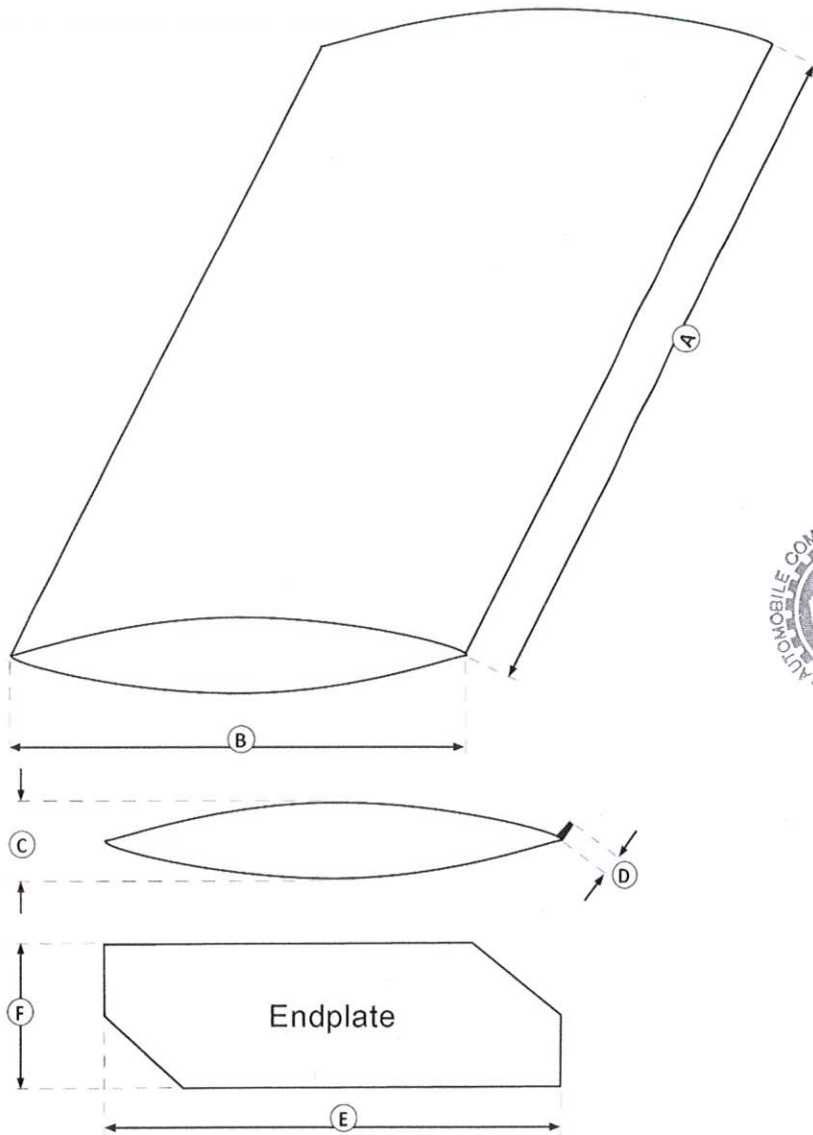


EXTENSION – AERODYNAMIC DEVICES (MEASUREMENTS)



DIMENSIONS (TOLERANCE FOR ALL DIMENSIONS: +/-1%)

[A]	mm
[B]	mm
[C]	mm
[D]	mm
[E]	mm



NUMBER OF WINGS:

DIMENSIONS (TOLERANCE FOR ALL DIMENSIONS: +/-1%)

WING 1		WING 2		WING 3	
[A]	mm	[A]	mm	[A]	mm
[B]	mm	[B]	mm	[B]	mm
[C]	mm	[C]	mm	[C]	mm
[D]	mm	[D]	mm	[D]	mm
[E]	mm	[E]	mm	[E]	mm
[F]	mm	[F]	mm	[F]	mm

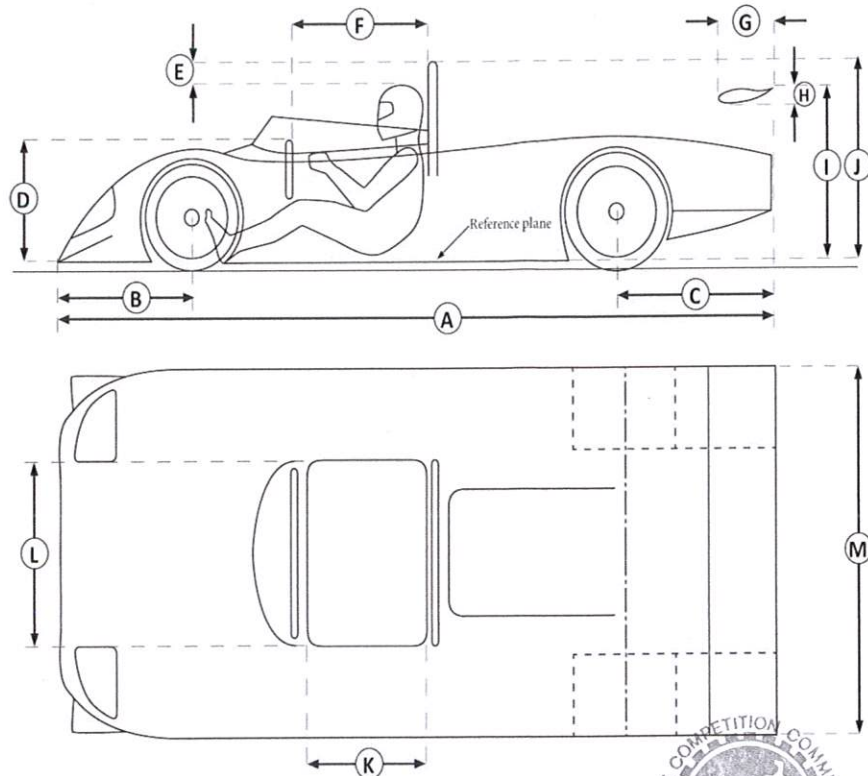


DIMENSIONS

(TOLERANCE FOR ALL

DIMENSIONS: +/-1%)

[A]	4190 mm
[B]	860 mm
[C]	1140 mm
[D]	900 mm
[E]	50 mm min.
[F]	840 mm
[G]	mm
[H]	mm
[I]	mm
[J]	1140 mm
[K]	850 mm
[L]	1100 mm
[M]	1200 mm



DIMENSIONS

(TOLERANCE FOR ALL

DIMENSIONS: +/-1%)

[A]	mm
[B]	mm
[C]	mm
[D]	mm max.
[E]	50 mm min.
[F]	mm min.
[G]	mm
[H]	mm
[I]	mm
[J]	mm

