



Red and/or black dot entries:

HISTORIC TECHNICAL PASSPORT – VALID IN: RACING & HILL CLIMB & RALLY

This Technical Passport is not a certificate of authenticity, nor does it in any way verify the history of the car or its constituent parts.
 The FIA merely certifies that the required information gathered and confirmed by the ASN at the date of the inspection, is sufficient for the car to be eligible to compete in FIA-sanctioned competitions for historic vehicles.
 Neither the FIA nor the ASN certifies or takes responsibility for the accuracy of the items shown below as "represented" as those were provided by the Applicant (as detailed in Page 24), on behalf of the owner, based upon his best available knowledge and are not verifiable by the ASN and/or the FIA.

Issuing ASN: MSA

Form Number: GB11218

Category:

Pre-47 Open 2-seat Racing Car

Period: D - 1931 to 1946

Valid to 31.12.2027

FIA Class: OS7

The original of this document was filled in by the Applicant and verified by the ASN in accordance with Appendix "K" to the FIA 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 competition the car must conform to all the declarations of this HTP.

Make represented: FRAZER NASH-BMW	Model represented: 328
Year of specification: 1936	FIA identity No.: 42183
Engine type: STR6 OHV	Engine capacity: 1971 cm ³ corrected: cm ³
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 MSA, have checked the information given on this form up to and including page 24 and confirm that to the best of our reasonable knowledge and belief as of today, the car complies with the period specification of the make and model represented.

Date:

Signature and stamp:

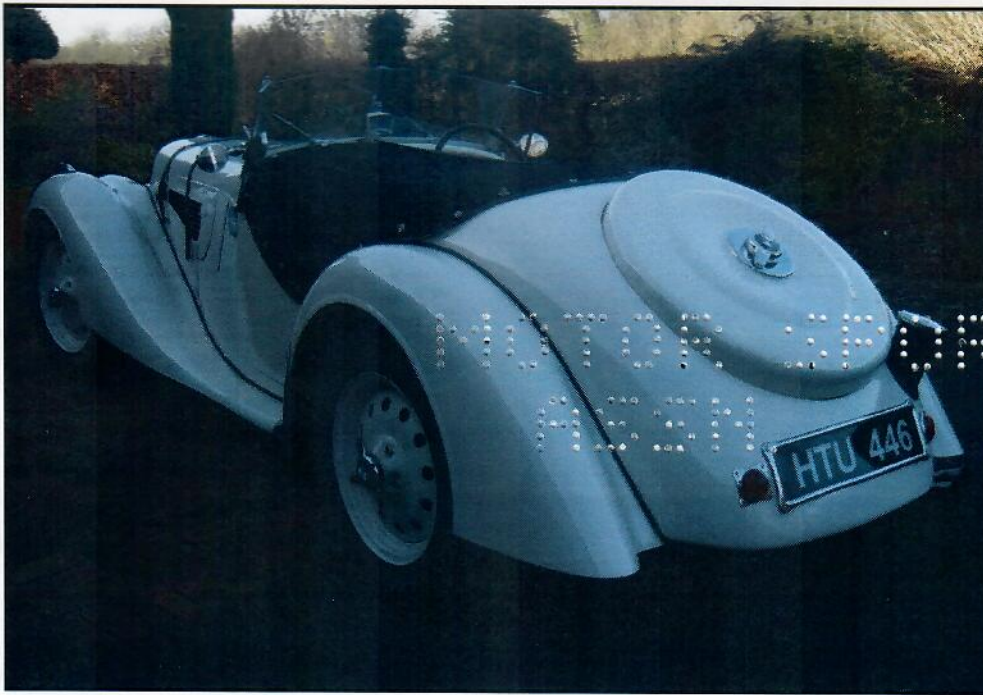
Name and status of signatory:

15/03/2017

ROB JONES, CEO

For and on Behalf of the
ROYAL AUTOMOBILE CLUB
MOTOR SPORTS ASSOCIATION

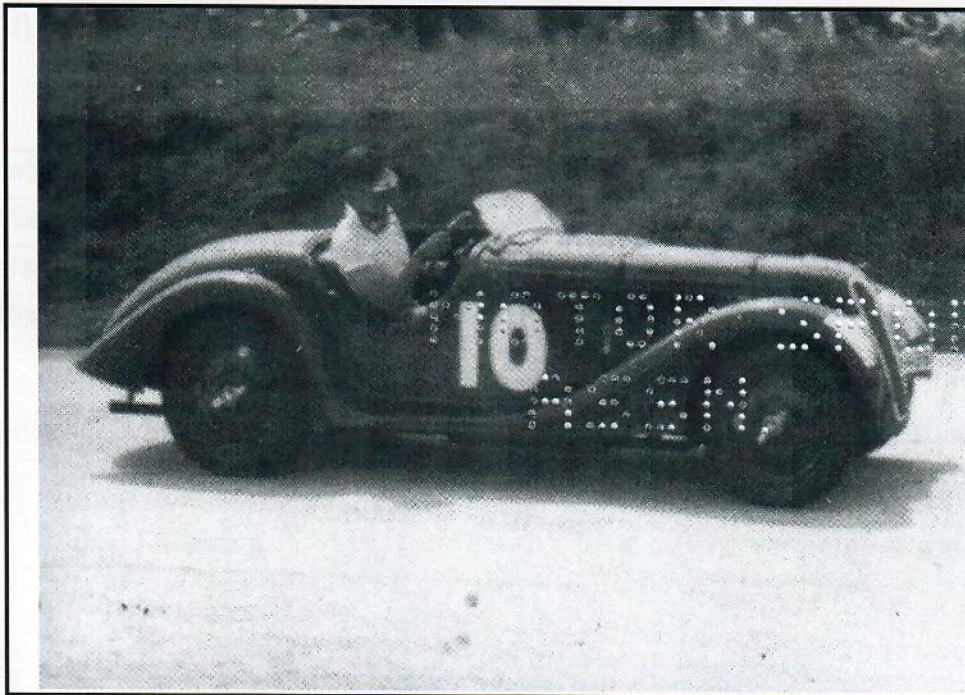




In case of homologated car only: if extensions of the original homologation form are used (in accordance with Appendix K), their numbers must be entered below:

In case of homologated car 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.

For non-homologated cars and homologated cars with non-standard bodywork, a period picture of the model has to be shown below.



Period image. French Grand Prix, Sports Car Race Driver AFP Fane Date 1936

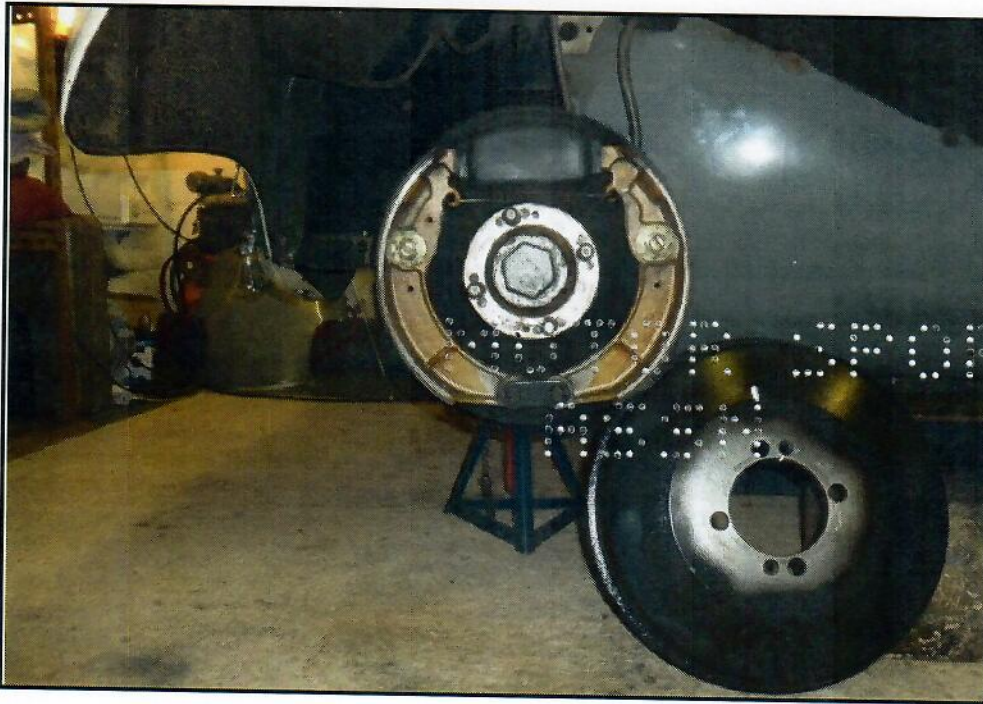
IMPORTANT: If this model has *no International History*, tick this box:

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

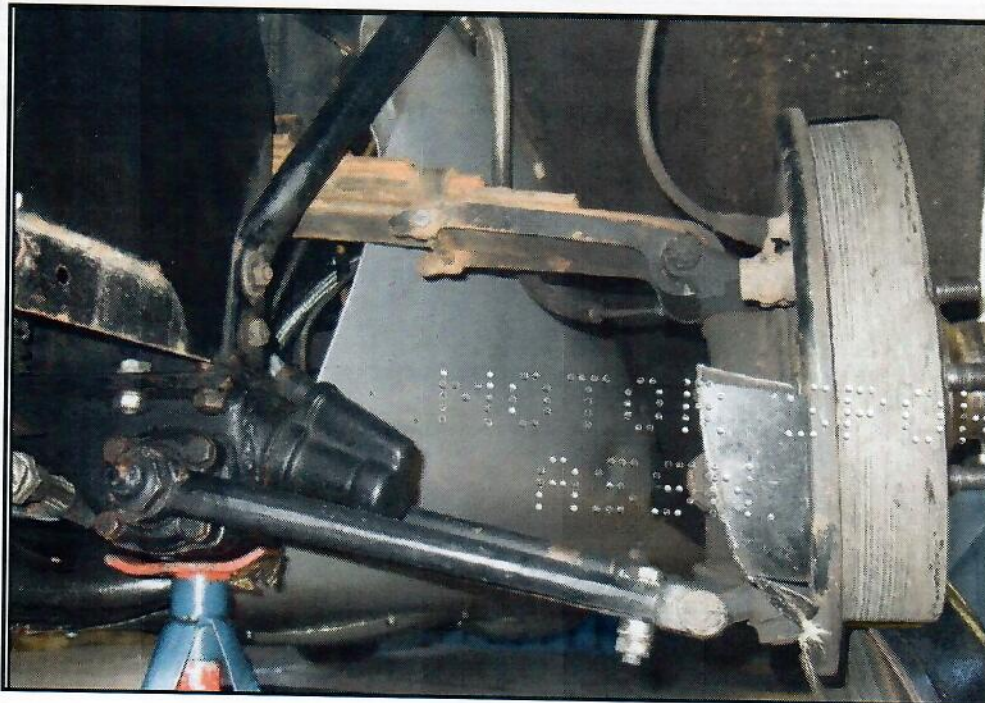
[a]	Is the car fitted with a chassis to the period specifications?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
[b]	Clarification:	
[c]	Construction (girder, tubular, monocoque, etc.): TWIN TUBE	
[d]	Materials: MANUFACTURER'S PLATE ON LEFT-HAND SIDE OF ENGINE BAY FOOTWELL	

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.): LOWER WISHBONE, TRANSVERSE LEAF SPRING	
[d]	Type of springs (coil, leaf, torsion bar, etc.): TRANSVERSE LEAF	
[e]	Type of dampers (friction, lever, telescopic, etc.): HYDRAULIC LEVER	
[f]	Are the dampers adjustable?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[g]	If yes to [f], state the number of adjusters per damper:	
[h]	Material of the dampers: Steel <input checked="" type="checkbox"/> Aluminium <input type="checkbox"/>	
[i1]	Is the geometry of suspension adjustable?	yes <input type="checkbox"/> no <input checked="" 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: 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:	



Taking the two pictures into account, all elements of the suspension assembly must be visible.



**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.):	RIGID AXLE
[d]	Type of springs (coil, leaf, torsion bar, etc.):	SEMI-ELLIPTIC LEAF
[e]	Type of dampers (friction, lever, telescopic, etc.):	HYDRAULIC LEVER ARM
[f]	Are the dampers adjustable?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[g]	If yes to [f], state the number of adjusters per damper:	
[h]	Material of the dampers: Steel <input checked="" type="checkbox"/> Aluminium <input type="checkbox"/>	
[i1]	Is the geometry of suspension adjustable?	yes <input type="checkbox"/> no <input checked="" 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: 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:	

CONFIDENTIAL



Taking the two pictures into account, all elements of the suspension assembly must be visible.





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?		yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
	Specify material: CAST IRON			
[f]	Clarification:			
[g]	Is the cylinder head cast using the period specification material and dimensions?		yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
	Specify material: ALLOY		Casting number: NONE SEEN	
[h]	Clarification::			
[i]	Make: BMW	Casting number of the block: 326 01 100 0		
[j]	Year of manufacture: 1939	Operating method: Four-stroke cycle		
[k]	Number of cylinders: 6	Configuration (straight, V, etc.): STRAIGHT		
[l]	Bore: original: 66 mm	Stroke: original: 96 mm		
	actual: 66 mm	actual: 96 mm		
[m]	Engine capacity: original: 1971 cm ³	actual: 1971 cm ³		
[n]	Number of intake ports: 3	Number of plugs per cylinder: 1		
	Number of exhaust ports: 6	Number of valves per cylinder: 2		
	Number of transportation port (in case of two stroke engines):			
	Number of rotors (in case of wankel/rotary engine):			
[o]	Are the valve sizes as per the period specification?		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:			

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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.):	BREAKER/COIL	
[d]	If the ignition is electronic, specify the make and principle:		
[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 carburettors / injection as per the period specifications?	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
[b]	Clarification:		
[c]	Carburettor: Number:3 Make: SOLEX Type: 32 BI ø of venturi in mm:29		
[d]	Injection : Make: Type:		
[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:		

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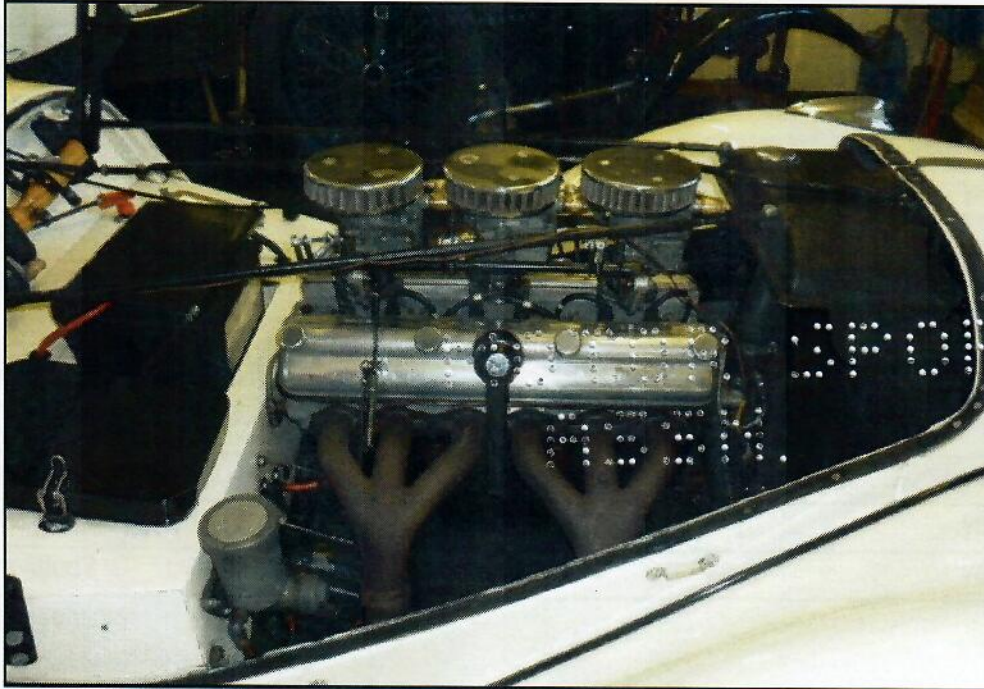
2.4 FUEL SYSTEM

[a]	Is the fuel system as per the period specifications?	yes <input type="checkbox"/> no <input checked="" type="checkbox"/>
[b]	Clarification: ELECTRIC PUMP FITTED IN ACCORDANCE WITH APPENDIX K	
[c]	Type of fuel feed (gravity, mechanical pump, electric pump, etc.): MECHANICAL & ELECTRIC PUMP	
[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 location? Does it comply with Appendix K?	yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" 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 checked="" 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:	

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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: HURTH	Type:	
[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:
	Constant:	4th gear:	5th gear:
		alternatives listed in section 9 <input type="checkbox"/>	
[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: 31/8		
[e]	Specify the other number of teeth available as period specifications: 37/10 - - - -		
[f]	Is the differential a limited slip differential?	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>
[g]	If yes:	Make:	Model: System:
[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:		

NONO JOURNAL

NONO JOURNAL



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	Other option:	
[d]	Is the braking system assisted?		yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	Other option:	
[e]	Specify the system:					
[f]	Make:		Front: BMW	Rear: BMW		
[g]	<u>If drum brakes:</u>	Drum diameter	Front: 279 mm	Rear: 279 mm	Other:	mm
		Shoe width	Front: 47 mm	Rear: 47 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:					

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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: 2400 mm	right: 2400 mm
[b]	<u>Only for homologated cars from Period G2 onwards, body width at centre line of axles:</u>		
	Original front:	mm	Current front: mm
	Original rear:	mm	Current rear: mm
[c]	<u>For all other cases, track (track measured between the centres of the tyre treads):</u>		
	Original front:	1153 mm	Current front: 1153 mm
	Original rear:	1219 mm	Current rear: 1219 mm
[d]	Minimum weight: 830 kg		
[e]	Clarification :		

8 – DRAWINGS AND/OR PICTURES

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

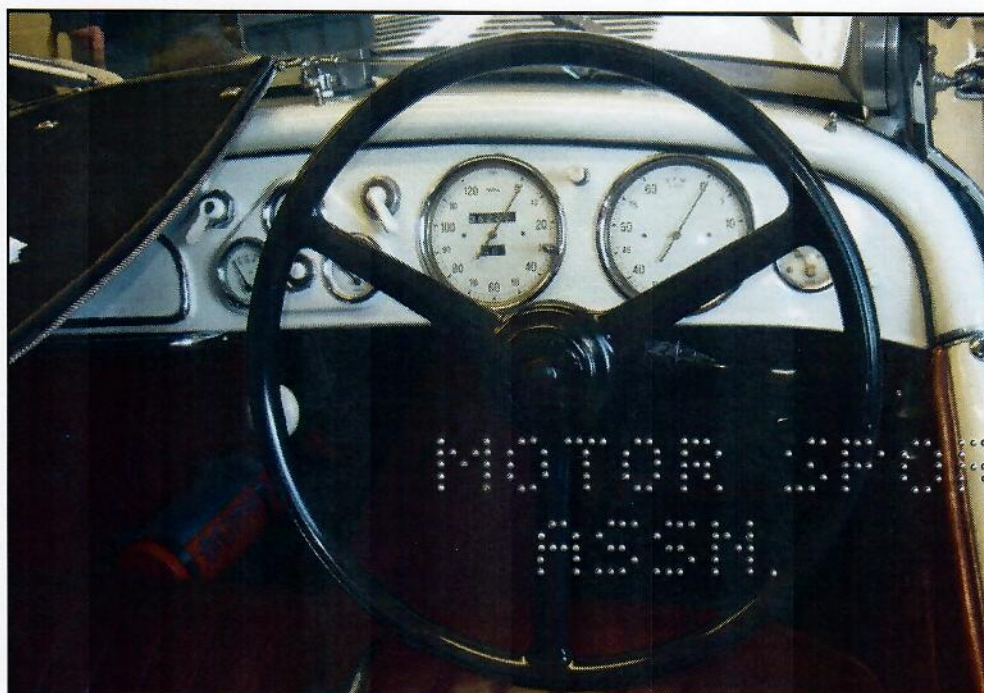
9 – ADDITIONAL PIECES OF INFORMATION

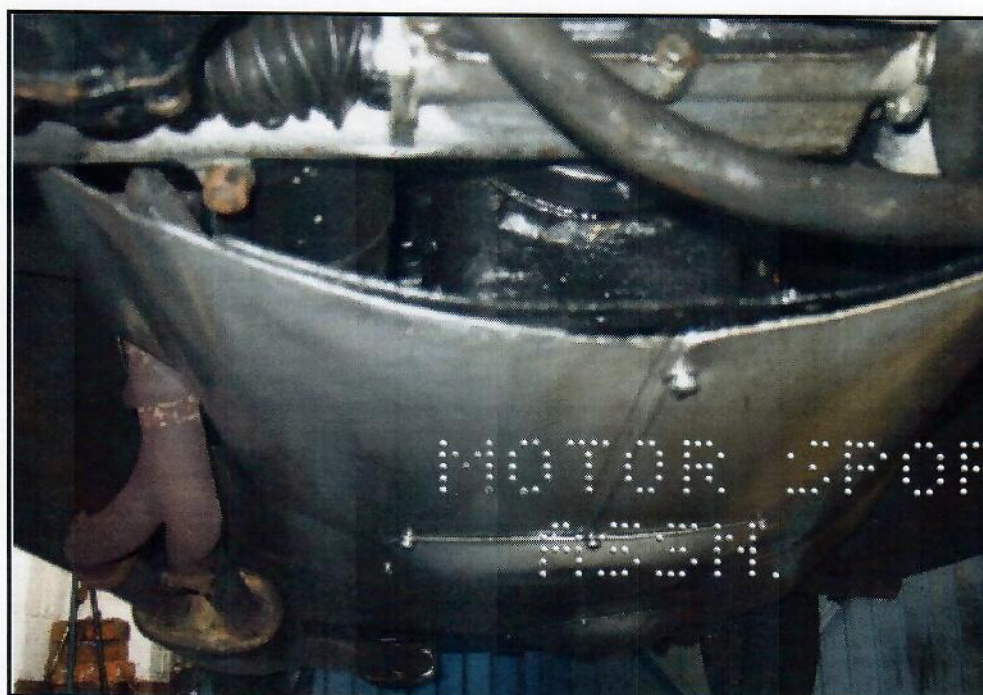
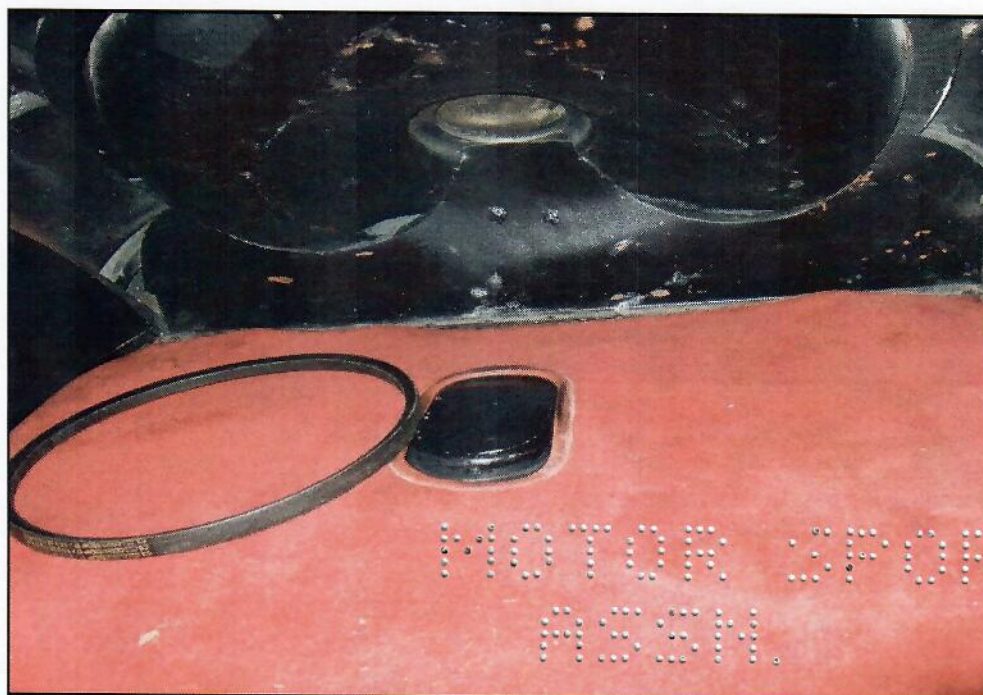
If necessary, list of alternatives (gearbox ratios, etc)

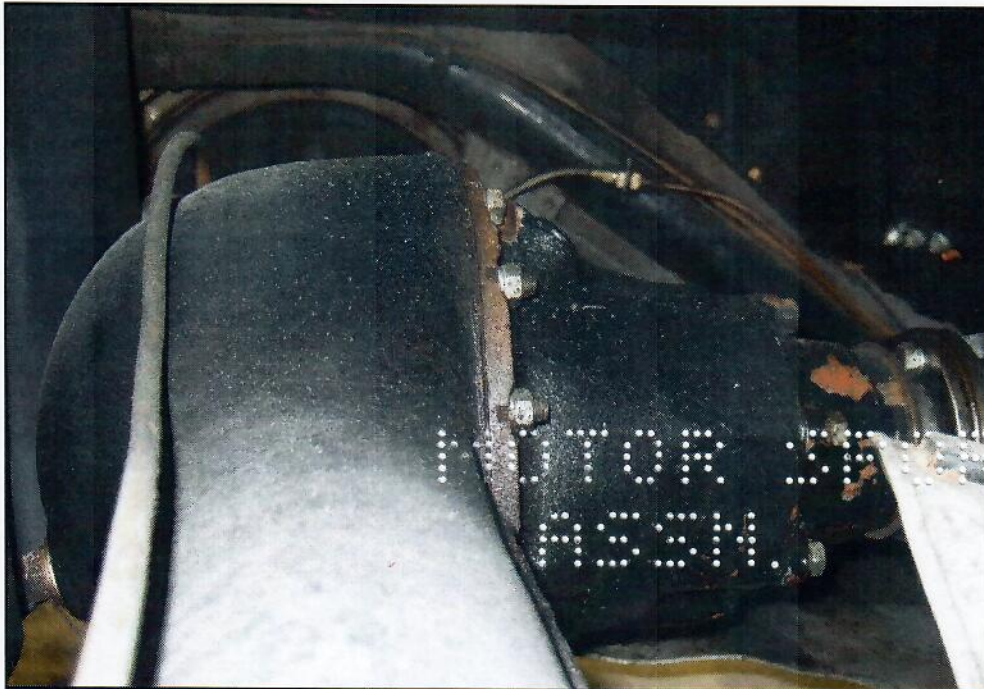
<p>THIS CAR WAS PREVIOUSLY ISSUED WITH HTP NUMBER GB5335, FIA DATABASE NUMBER 20577, FIRST ISSUED 2005</p> <p style="text-align: center;">MOTOR SPORTS ASN</p>
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10 - EXTENSION - MANDATORY PHOTOS











11 – 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.

FROM CHAIN DRIVE TO TURBOCHARGER – DENNIS JENKINSON (1984) 0-85059-631-9

BMW 328: FROM ROADSTER TO LEGEND – RAINER SIMONS (2004) ISBN 0 8376 1231-4



DIMENSIONS (TOLERANCE FOR ALL DIMENSIONS +0.1%)

A	mm
B	mm
C	mm
D	mm
E	mm
F	mm

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