



5TH CATEGORY - HISTORIC RACING
GROUP N
 APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current Motorsport Australia Manual.

Make of Car:	Ford	Model:	Escort RS1600
Period of Original Manufacture:	1970 – 1972		
Motorsport Australia Historic Group:	Nc		
Date of Issue of this Document:	1 January 2024		



Refer to Motorsport Australia Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

Update Log

1/1/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

CHASSIS

Description:	Uni body, two door coupe with sub frames
Period of Manufacture:	1970-1972
Manufacturer:	Ford Motor Company
Chassis Number From:	BB-49KL 11059
Chassis Number location:	Plate on Bulkhead/Stamp on Suspension Turret.
Material:	Steel
Comments	All Mark 1 bodysHELLS acceptable, but must conform with pre-1972 specification

FRONT SUSPENSION

Description:	Independent - by MacPherson Strut with lower arm and sway bar		
Spring Medium:	Coil		
Damper Type:	Telescopic incorporated in strut	Adjustable:	Yes
Anti-sway bar:	Yes - Integral with lower arms.	Adjustable:	Yes
Suspension adjustable:	Yes	Method:	Toe
Comments:	Refer to Appendix A.		

REAR SUSPENSION

Description:	Live rear axle with trailing links		
Spring Medium:	Semi elliptical leaf		
Damper Type:	Telescopic	Adjustable:	Yes
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Refer to Appendix A.		

STEERING

Type:	Rack and pinion	Make:	Ford
Comments	None		

BRAKES

	Front	Rear
Type:	Disc, vented	Drum
Dimensions:	12.7 mm x 244 mm	228 mm x 44 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

ENGINE

Make:	Ford		
Model:	BDA		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	80.97 mm	Max allowed:	82.47 mm
Stroke - original:	77.62 mm	Max allowed:	77.62 mm
Capacity - original:	1601 cc	Max allowed:	1656 mm
Identifying marks:	711- 6015BA		
Cooling method:	Liquid		
Comments:	Any 8.21" height deck block with the following Engine Casting Block number: 681F-6015BA, 691M-6015BA, 691F-6015BA, 711M-6015BA, as well as new Ford Motorsport block Part number M-6010-16L.		

CYLINDER HEAD

Make:	Cosworth		
No. of valves/cylinder:	Four	Inlet: Two	Exhaust: Two
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	Two	Location: Head	Drive: Belt
Valve actuation:	Direct from camshaft via buckets		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	Either 3 or 4 stud exhaust port cylinder heads permitted. Blue Sky replacement Cosworth BDA head H71 MS 6501 BS permitted.		

LUBRICATION

Method:	Wet sump	Oil tank location:	N/A
Dry sump pump type:	N/A	Location:	N/A
Oil cooler standard:	Yes	Location:	At radiator support
Comments:	None		

IGNITION SYSTEM

Type:	Points, coil & distributor		
Make:	Lucas/Autolite		
Comments	Breakerless electronic ignition permitted. The ignition module may be removed from the distributor and mounted remotely on the inner mudguard of the firewall in the vicinity of the distributor and coil. The module should be mounted on a plate to allow minimum gap of 10 mm between the module and the plate mounting surface.		

FUEL SYSTEM

Carburettor Make:	Weber	Model:	40DCOE
Carburettor Number:	Two		
Size:	Various		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	203 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

TRANSMISSION

Type:	Syncromesh
Make:	Ford 2000E or Ford Type 3 single rail. Refer Appendix A.
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Remote change in extension housing
Case material:	Ford 2000E – cast iron Ford Type 3 single rail – cast iron case, alloy tail housing
Identifying marks:	N/A
Comments:	The larger 2-litre gearbox, identified by the detachable bellhousing and 1 " 23 spline input shaft is not permitted. Refer Appendix A.

FINAL DRIVE

Make:	Ford	Model:	'English" Banjo type
Type:	Live rear axle		
Ratios:	Various		
Differential type:	Semi floating hypoid		
Comments:	Nnoe		

TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	Open tailshaft with twin uni joints
Comments:	Steel

WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Steel or period alloy	Material - Allowed:	Alloy
Fixture method:	Studs and nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5.5" x 13"		5.5" x 13"
Allowed	7" x 13"		7" x 13"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

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SECTION 4 GENERAL

FUEL SYSTEM

Tank Location:	RH corner of Boot	Capacity:	40 litres
Fuel pump, type:	Mechanical on engine block	Make:	AC
Comments:	None		

ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Alternator
Battery Location:	Boot		
Comments:	None		

BODYWORK

Type:	Two door saloon	Material:	Steel
No. of seats:	Four	No. doors:	Two
Comments:	Steel mudguard extensions to replicate those factory fitted as "Forest Flare" permitted.		

DIMENSIONS

Track - Front:	1314 mm	Rear:	1313 mm
Wheelbase:	2430 mm	Overall length:	3978 mm
Approved Manufacturer's kerb weight:	785 kgs		
Approved minimum racing weight:	761 kgs		
Comments:			

SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Adjustable strut top mounts and dampers permitted. Spring platform location may be changed; adjustable spring platforms are permitted. Spring height adjustment permitted.

Rear

Additional lateral and longitudinal linkages permitted; adjustable dampers permitted. Rear damper original upper mountings must be used; 'turret' style upper mountings (where modification to body floor pan is necessary) are NOT permitted. Spring height adjustment permitted.

Gearbox

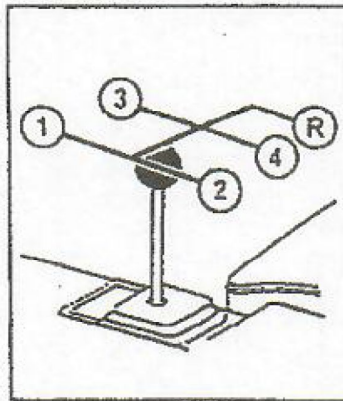
Make:

2000-E



Features:

- Three rail
- Reverse is next to top gear (RHS)



Gear Lever Positions

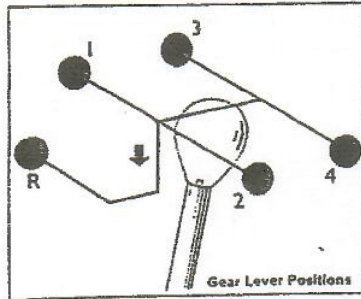
- Case and extension housing are cast iron
- Starter motor is on the driver's side
- 7/8" x 20 spline input shaft

Type 3 Single Rail



Features:

- Single rail
- Reverse is next to first gear (LHS)



- Case is cast iron, tail housing is alloy
- Starter motor is on the driver's side
- 7/8" x 20 spline input shaft