



5TH CATEGORY - HISTORIC RACING <b>GROUP N</b> APPROVED VEHICLE SPECIFICATION
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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
12/2/2024	Inclusion of Approved replacement heads

## SECTION 1 - CHASSIS

### CHASSIS

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

### FRONT SUSPENSION

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

### REAR SUSPENSION

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

### STEERING

<b>Type:</b>	Rack and pinion	<b>Make:</b>	Ford
<b>Comments</b>	None		

### BRAKES

	Front	Rear
<b>Type:</b>	Disc - vented	Drum
<b>Dimensions:</b>	247 mm x 17 mm	229 mm x 44 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Two	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Girling	
<b>Caliper type:</b>	Fixed	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Girling	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### ENGINE

<b>Make:</b>	Ford		
<b>Model:</b>	BDA		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	80.97 mm	<b>Max allowed:</b>	82.47 mm
<b>Stroke - original:</b>	77.62 mm	<b>Max allowed:</b>	77.62 mm
<b>Capacity - original:</b>	1601 cc	<b>Max allowed:</b>	1656 mm
<b>Identifying marks:</b>	711- 6015BA		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	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

<b>Make:</b>	Cosworth		
<b>No. of valves/cylinder:</b>	Four	<b>Inlet:</b> Two	<b>Exhaust:</b> Two
<b>No. of ports total:</b>	Eight	<b>Inlet:</b> Four	<b>Exhaust:</b> Four
<b>No. of camshafts:</b>	Two	<b>Location:</b> Head	<b>Drive:</b> Belt
<b>Valve actuation:</b>	Direct from camshaft via buckets		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	Replacement Cosworth BDA Cylinder Heads from SAS & BlueSky Engineering are permitted in either 3 or 4 exhaust Stud configurations <ul style="list-style-type: none"><li>• Blue Sky # Part No H71 MS 6501 BS</li><li>• SAS # Part No. M 731F 6090AA</li></ul>		

### LUBRICATION

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

### IGNITION SYSTEM

<b>Type:</b>	Points, coil & distributor		
<b>Make:</b>	Lucas/Autolite		
<b>Comments</b>	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

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

### SECTION 3 - TRANSMISSION

#### CLUTCH

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

#### TRANSMISSION

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

#### FINAL DRIVE

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

#### TRANSMISSION SHAFTS (EXPOSED)

<b>Number:</b>	One
<b>Location:</b>	Gearbox to final drive
<b>Description:</b>	Open tailshaft with twin uni joints
<b>Comments:</b>	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

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

### ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Boot		
<b>Comments:</b>	None		

### BODYWORK

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

### DIMENSIONS

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

### SAFETY EQUIPMENT

Refer applicable Group Regulations
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## 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

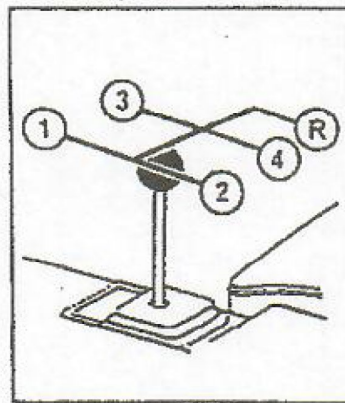
Make:

2000-E



Features:

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



Gear Lever Positions

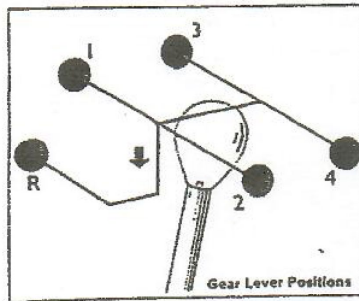
- Case and extension housing are cast iron
- Starter motor is on the driver's side
- 7/8" x 20 spline input shaft

#### 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