



5TH CATEGORY - HISTORIC RACING  
**GROUP Nb**  
 APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a Historic Logbook, 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.

<b>Make of Car:</b>	Ford	<b>Model:</b>	Falcon XM
<b>Period of Original Manufacture:</b>	1964 – 65		
<b>Motorsport Australia Historic Group:</b>	Nb		
<b>Date of issue of this document:</b>	April 2021		



<i>Update Log</i>	
30/6/2021	200 Cubic Engine added as option

Refer to Motorsport Australia Manual, Vehicle Eligibility, Historic Touring Cars,  
 General Requirements & Nb Regulations for permitted modifications.

## SECTION 1 - CHASSIS

<b>1.1 CHASSIS FRAME</b>	
<b>Description:</b>	Uni – body, welded pressed steel
<b>Period of Manufacture:</b>	1964 – 65
<b>Manufacturer:</b>	Ford Motor Co Ltd
<b>Chassis no. from:</b>	XMRBD 100375 onwards
<b>Chassis no. location:</b>	Radiator support panel
<b>Material:</b>	Steel
<b>Comment:</b>	None

<b>1.2 FRONT SUSPENSION</b>			
<b>Description:</b>	Independent with upper & lower wishbones		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	Yes	Camber and Caster	<b>Method:</b> Shim
<b>Comment:</b>	None		

<b>1.3 REAR SUSPENSION</b>			
<b>Description:</b>	Live axle		
<b>Spring medium:</b>	Leaf		
<b>Damper type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	No		
<b>Comment:</b>	None		

<b>1.4 STEERING</b>			
<b>Type:</b>	Recirculating ball	<b>Make:</b>	Ford
<b>Comment:</b>	None		

<b>1.5 BRAKES</b>			
	<b>Front</b>	<b>Rear</b>	
<b>Type:</b>	Drum, single leading shoe	Drum, single leading shoe	
<b>Dimensions:</b>	229 x 57 mm or 225 x 57 mm	229 x 38 mm or 225 x 45 mm	
<b>Material:</b>	Cart iron	Cast iron	
<b>No. cylinders/pots per wheel:</b>	One	One	
<b>Actuation:</b>	Hydraulic	Hydraulic	
<b>Master cylinder make:</b>	Ford	<b>Type:</b>	Single
<b>Adjustable bias:</b>	No		
<b>Servo Fitted:</b>	No		
<b>Comment:</b>	None		

## SECTION 2 - ENGINE

<b>2.1 ENGINE</b>			
<b>Make:</b>	Ford		
<b>Model: Standard Engine</b>	170 Cu inch		
<b>Model: Option Engine:</b>	200 Cu Inch		
<b>No. cylinders:</b>	Six	<b>Configuration:</b>	Inline
<b>Cylinder block material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Standard Engine Bore - Original:</b>	88.9 mm	<b>Max. allowed:</b>	90.4 mm
<b>Option Engine Bore - Original:</b>	93.6 mm	<b>Max. allowed:</b>	95.1 mm
<b>Standard Engine Stroke - original:</b>	74.7 mm	<b>Max. allowed:</b>	74.7 mm
<b>Option Engine Stroke - Original:</b>	79.4 mm	<b>Max. allowed:</b>	79.4 mm
<b>Standard Engine Capacity - original:</b>	2782 cc	<b>Max. allowed:</b>	2876 cc
<b>Option Engine Capacity - Original:</b>	3278 cc	<b>Max. allowed:</b>	3384 cc
<b>Cooling method:</b>	Liquid		
<b>Identifying marks:</b>	N/A		
<b>Comment:</b>	None		

<b>2.2 CYLINDER HEAD</b>					
<b>Make:</b>	Ford				
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	One	<b>Exhaust:</b>	One
<b>No. of ports total:</b>	Twelve	<b>Inlet:</b>	Six	<b>Exhaust:</b>	Six
<b>No. of camshafts:</b>	One	<b>Location:</b>	Block	<b>Drive:</b>	Chain
<b>Valve actuation:</b>	Pushrod & rockers				
<b>Spark plugs/cylinder:</b>	One				
<b>Identifying marks:</b>	NA				
<b>Comment:</b>	Inlet manifold is cast integral with cylinder head. Inlet manifold may be modified to allow addition of multiple carburettors.				

<b>2.3 LUBRICATION</b>	
<b>Method:</b>	Wet sump
<b>Oil cooler standard:</b>	No
<b>Comment:</b>	None

<b>2.4 IGNITION SYSTEM</b>	
<b>Type:</b>	Coil & distributor
<b>Make:</b>	Bosch or Autolite
<b>Comment:</b>	None

<b>2.5 FUEL SYSTEM</b>			
<b>Carburettor Make:</b>	Ford	<b>Model:</b>	Single barrel
<b>Carburettor number:</b>	One	<b>Size:</b>	N/A
<b>Comment:</b>	None		

### SECTION 3 - TRANSMISSION

<b>3.1 CLUTCH</b>			
<b>Make:</b>	Ford		
<b>Type:</b>	Diaphragm		
<b>Diameter:</b>	216 mm	<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical		
<b>Comment:</b>	None		

<b>3.2 TRANSMISSION</b>			
<b>Type:</b>	Synchro – mesh		
<b>Make:</b>	Ford or Borg Warner		
<b>No. forward speeds:</b>	Three	<b>Gearbox location:</b>	Behind engine
<b>Gear change type and location:</b>	Remote, steering column		
<b>Case material:</b>	Cast iron	<b>Identifying marks:</b>	N/A
<b>Comment:</b>	The use of XR falcon standard (non-Synchro) 3 speed gearbox is permitted		

<b>3.3 FINAL DRIVE</b>			
<b>Make:</b>	Ford	<b>Model:</b>	
<b>Type:</b>	Live axle		
<b>Wheel drive method:</b>	Rear		
<b>Ratios:</b>	3.5 & 3.2		
<b>Differential type:</b>	Open / free		
<b>Comment:</b>	None		

<b>3.4 TRANSMISSION SHAFTS (EXPOSED)</b>	
<b>Number:</b>	One
<b>Description:</b>	Tubular steel open tailshaft
<b>Comment:</b>	None

<b>3.5 WHEELS &amp; TYRES</b>			
<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Period cast	<b>Allowed:</b>	Alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Four or five
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	13 x 5 inch (4 stud) 14 x 6 inch (5 stud)		13 x 5 inch (4 stud) 14 x 6 inch (5 stud)
<b>Tyres original:</b>	6.70 – 13 & 6.7 – 14		6.70 – 13 & 6.7 – 14
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		
<b>Comment:</b>	None		

## SECTION 4 - GENERAL

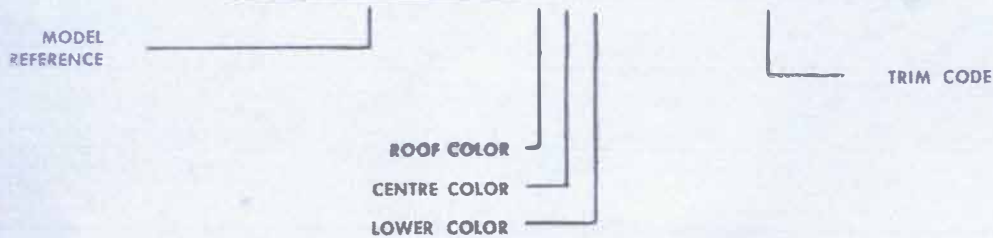
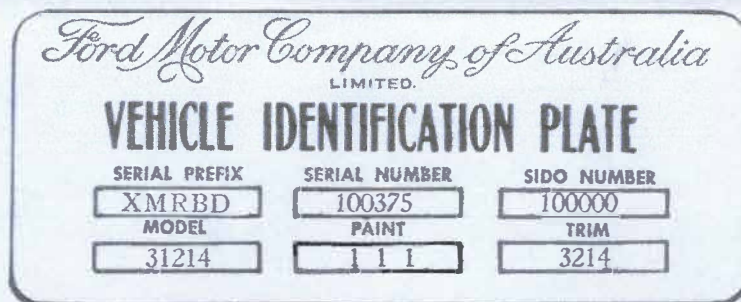
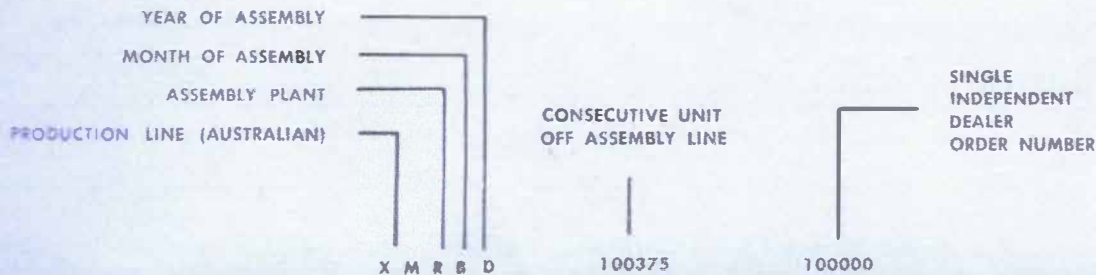
<b>4.1 FUEL SYSTEM</b>			
<b>Tank Location:</b>	Under boot floor	<b>Capacity:</b>	52 litres
<b>Fuel pump type and location:</b>	Mechanical / engine	<b>Make:</b>	AC
<b>Comment:</b>	None		

<b>4.2 ELECTRICAL SYSTEM</b>			
<b>Voltage:</b>	12	<b>Generator or Alternator:</b>	Either
<b>Battery Location:</b>	Engine compartment		
<b>Comment:</b>	None		

<b>4.3 BODYWORK</b>			
<b>Type:</b>	Closed touring	<b>Material:</b>	Steel
<b>No. of seats:</b>	Five	<b>No. doors:</b>	Two or four
<b>Comment:</b>	None		

<b>4.4 DIMENSIONS</b>			
<b>Track - Front:</b>	1397 mm	<b>Rear:</b>	1384 mm
<b>Wheelbase:</b>	2784 mm	<b>Overall length:</b>	4684 mm
<b>Dry weight:</b>	1107 kg		
<b>Comment:</b>	None		

<b>4.5 SAFETY EQUIPMENT</b>			
<i>Refer applicable Group Regulations</i>			



## MODEL CODES XM FALCON

### DIGIT No. 1. MODEL CLARIFICATION

- 3. Australian Passenger
- 6. Australian Light Truck

### DIGIT No. 2. MODEL

- 1. Falcon Standard
- 2. Falcon Deluxe
- 3. Futura/Squire

### DIGIT No. 3. BODY TYPE

- 1. 4 Door Sedan Bench Seats
- 2. 4 Door Wagon Bench Seats
- 3. 4 Door Sedan Bucket Seats
- 4. 4 Door Wagon Bucket Seats
- 5. 2 Door Sedan Bench Seats
- 6. 2 Door Sedan Bench Seats
- 7. 2 Door Sedan Bucket Seats
- 8. 2 Door Wagon Bucket Seats
- 9. 2 Door Wagon Bench Seats Convertable
- 0. 2 Door Buck Seats Convertable
- 1. Utility
- 2. Van

### DIGIT No. 4. TRANSMISSION

- 1. Manual 144 C.I.D.
- 2. Automatic 144 C.I.D.
- 3. Manual 170 C.I.D.
- 4. Automatic 170 C.I.D.
- 5. Manual 200 C.I.D.
- 6. Automatic 200 C.I.D.
- 7. Low Compression

### DIGIT No. 5. MODEL YEAR

- 4. 1964

★ When Used on Australian Passenger

★★ When Used on Australian Light Truck