

# OFF ROAD VEHICLES

## Scrutineering Check List (Pre-Event Check)

The regulations for Off Road vehicles appear in this section of the Manual of Motor Sport. They are written so that persons interested in relevant specifications should refer to:

1. the General Requirements for Off Road Vehicles (GR);
2. the Specific Requirements for the particular class of car (SR);
3. the specialised Schedules relating to ~~safety cage structures~~ roll over protection etc contained in "General Requirements for Cars and Drivers" in the CAMS Manual of Motor Sport.

Prior to participation in any Off Road event, cars are checked by scrutineers for the following items:

### 1.0 CLASS ELIGIBILITY

Yes  No

### 2.0 "P" PLATES REQUIRED

Yes  No

### 3.0 COMPETITION NUMBERS AND OTHER MARKINGS

- 3.1 Rear
- 3.2 Roof fin
- 3.3 Size
- 3.4 Colour
- 3.5 Advertising complies

### 4.0 BATTERY MARKER TRIANGLE

- 4.1 Colour
- 4.2 Size

### 5.0 HELMETS AND EYE PROTECTION

- 5.1 Type
- 5.2 Condition

### 6.0 APPAREL FOR ALL CREW

#### WITH DRIVER AND CO-DRIVER SEATED, HELMETS ON

### 7.0 HELMET CLEARANCES

- 7.1 Main hoop height
- 7.2 Padding
- 7.3 50mm roof clearance

### 8.0 HEAD RESTRAINT

- 8.1 Size
- 8.2 Suitability

### 9.0 ROOF LENGTH FORWARD

### 10.0 HARNESS

- 10.1 Position / angles
- 10.2 Chaffing

### 11.0 ARM RESTRAINTS/NETS

- 11.1 Fastening
- 11.2 Effective

#### ELECTRICS — WITH DRIVER SEATED

### 12.0 REAR DUST LAMP

- 12.1 Ignition operated
- 12.3 Position / protected
- 12.4 Intensity
- 12.5 Globe type

### 13.0 BRAKE LIGHT

- 13.1 Function
- 13.2 Intensity

### 14.0 HORN

- 14.1 Function
- 14.2 Intensity

### 15.0 WINDSCREEN

- 15.1 Condition
- 15.2 Washers and wipers

#### EQUIPMENT (possibly with driver seated)

### 16.0 REAR VIEW MIRRORS

- 16.1 Two of
- 16.2 Mounting
- 16.3 Size
- 16.4 Functional

### 17.0 FIRE EXTINGUISHERS

- 17.1 Type
- 17.2 Capacity
- 17.3 Operable
- 17.4 Mounting

### 18.0 FIRST AID KIT

- 18.1 Accessible
- 18.2 Weatherproof
- 18.3 Contents

### 19.0 REFLECTIVE WARNING TRIANGLES

- 19.1 Accessible
- 19.2 Effective
- 19.3 Size

### 20.0 TOW ROPE

- 20.1 Effective
- 20.2 Length
- 20.3 Accessible

### 21.0 EQUIPMENT SAFE AND SECURE CONSTRUCTION

### 22.0 ROOF

- 22.1 Height above seat
- 22.2 Material / dimension
- 22.3 Mounting

### 23.0 SAFETY CAGE STRUCTURE ROLL PROTECTION

- 23.1 Type and configuration
- 23.2 Material / dimensions
- 23.3 Mounting
- 23.4 Condition

### 24.0 CHASSIS/FRAME

- 24.1 Condition
- 24.2 Design / dimensions

### 25.0 SIDE INTRUSION BARS (Pro, Prolite, Super 1650, Sportsman and Extreme 2WD)

- 25.1 Dimensions
- 25.2 Mounting

### 26.0 AERODYNAMIC DEVICES

- 26.1 Dimension
- 26.2 Mounting

### 27.0 TOWING POINTS

- 27.1 Front
- 27.2 Rear
- 27.3 Colour

### 28.0 OCCUPANT PROTECTION

- 28.1 Floor
- 28.2 Side intrusion
- 28.3 Front
- 28.4 Rear
- 28.5 Panels secure

### 29.0 SECONDARY BONNET CATCHES

### 30.0 PASSENGER COMPARTMENT SAFE

- 30.1 Free from sharp objects

### 31.0 FIREWALLS

- 31.1 Engine
- 31.2 Fuel tank and system
- 31.3 Floor fuel drainage

### 32.0 FUEL TANK AND LINES

- 32.1 Construction
- 32.2 Mounting
- 32.3 Sealed filler cap
- 32.4 Fuel lines and hoses secure — clamps tight

## SEATS AND HARNESSES

### 33.0 SEATS

- 33.1 Size
- 33.2 Condition
- 33.3 Secure
- 33.4 Mounting
- 33.5 Protection

### 34.0 HARNESSES

- 34.1 Type / standard
- 34.2 Webb condition
- 34.3 Buckle condition and operation
- 34.4 Mounting
- 34.5 Secure
- 34.6 Crotch strap
- 34.7 Age

## UNDER BONNET/ENGINE BAY

### 35.0 BATTERY

- 35.1 Secure
- 35.2 Contents not leakable or battery covered

### 36.0 FUEL LINES/HOSES

- 36.1 Condition
- 36.2 Clamped
- 36.3 Secure

### 37.0 THROTTLE RETURN SPRING/S

### 38.0 HOLES IN FIREWALL

### 39.0 ENGINE MOUNTING

### 40.0 OIL LEAKS

- 40.1 Fire risk

### 41.0 EXHAUST

- 41.1 Leaks
- 41.2 Fire risk
- 41.3 Position / termination point

## STEERING SYSTEM

### 42.0 STEERING WHEEL

- 42.1 Condition
- 42.2 Secure

### 43.0 STEERING COLUMN

- 43.1 Lock removed
- 43.3 Collapsibility

### 44.0 STEERING PLAY

- 44.1 Column
- 44.2 Steering box / rack
- 44.3 Steering box / rack mounting
- 44.4 Tie rod ends

### 45.0 LOCKING DEVICES

- 45.1 In place; eg, split pins, lock nuts

## SUSPENSION AND DRIVE TRAIN

### 46.0 FRONT AXLE PLAY AT

- 46.1 Wheel bearings
- 46.2 King pin / link pin / ball joint

### 47.0 FRONT SUSPENSION

- 47.1 Shackles / "U" bolts secure
- 47.2 Excess play at pivots / bushes
- 47.3 Shock absorbers secure

### 48.0 WHEEL NUTS

- 48.1 All fitted
- 48.2 Secure

### 49.0 METAL TYRE VALVE CAPS

### 50.0 REAR SUSPENSION

- 50.1 Shackles / "U" bolts secure
- 50.2 Excess play at pivots / bushes
- 50.3 Shock absorbers secure

### 51.0 TRANSMISSION

- 51.1 Secure
- 51.2 Oil leaks

### 52.0 TAIL SHAFT STRAP

- 52.1 Suitable
- 52.2 Secure

### 53.0 UNIVERSAL/CV JOINTS — DRIVE SHAFTS/CHAINS

- 53.1 Secure
- 53.2 No excess play

## BRAKING SYSTEM

### 54.0 MASTER CYLINDER

- 54.1 Type
- 54.2 Secondary brakes?
- 54.3 Cylinder mounting
- 54.4 Leaks
- 54.5 Fluid level
- 54.6 Pedal travel

### 55.0 BRAKES HOSES AND PIPES

- 55.1 Condition
- 55.2 Secure
- 55.3 Protected
- 55.4 Leaks

### 56.0 BRAKE SYSTEM HARDWARE

- 56.1 General condition of calipers, discs, drums etc

## TESTS

### 57.0 BRAKE TEST (if possible)

### 58.0 REVERSE GEAR TEST

### 59.0 NOISE LEVELS (if required)

### 60.0 ADDITIONAL EQUIPMENT (if specified in event regulations)