

CHECKLIST

COMMENTS

FLUIDS

No Fluid Leaks

Fluid leaks can put oil or other substances on the track surface which can result in loss of traction which is dangerous and may cause an accident or collision.

Engine Oil and Filter are within their service life

Oil in good condition helps the engine to better handle the extra stress of sustained high speed running

Brake Fluid is fresh and of high quality (DOT5 or better)

The boiling temperature of brake fluid decreases with age and when combined with the extra heat generated by high speed braking can lead to brake fade. Recommended that brake fluid be changed just before track day.

Check

Engine Oil
Power Steering Fluid
Clutch Fluid
Brake Fluid
Gearbox/Transmission Oil
Differential Oil
Radiator Coolant
Battery Fluid
Windscreen Washer Liquid

FUEL

Fuel Filter is within its service life

Fuel starvation at high revs can occur if filter is partly clogged. This may not be obvious during everyday driving.

Fresh Petrol in tank

As petrol ages it loses its volatility resulting in loss of power. This is especially common if your car is not driven regularly.

No leaks or smell of petrol evident.

Petrol vapour is obviously dangerous .

Spare Fuel

It may be necessary to have access to spare fuel as performance driving significantly increases fuel consumption and there are generally no immediate refueling facilities available at a motor racing circuit.

COOLING SYSTEM

No Leaks

Cooling efficiency needs to be a optimum level

Temperature Gauge is operative

Rising temperature is a sure sign something is not right.
Don't ignore it.

Hoses in good condition and securely fastened

The extra strain and temperatures created by high speed driving will show up any weaknesses.

Radiator in good condition

Same as above.

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ENGINE

In good condition

Obvious

Well Tuned

Care should be taken to ensure engine is not running lean at high revs.

Hoses in good condition and securely fastened

The extra strain and temperatures created by high speed driving will show up any weaknesses.

Belts in good condition and properly tensioned.

Obvious.

No oil leaks.

Obvious (refer comments under fluid leaks).

Air Filter in good condition

Allows the engine to breath and promotes optimum performance.

Spark Plugs in good condition

Promotes optimum performance, assists with fuel consumption and ensure no misfiring at high revs.

Battery well secured.

Check that cradle and restraint are both secure and that breather (if fitted) is in place and correctly located.

Engine and Transmission mounts

These take a lot of strain on track days and can become weak and/or brittle as vehicles age.

Exhaust System

Ensure no leaks or rattles and all is well secured. A poorly fitted or designed exhaust system can result in decrease in performance.

Throttle returns readily when accelerator pedal is let up

A sticking throttle and motor sport don't mix. Secondary (or supplementary) throttle springs are a good idea and can even be a requirement for some events.

TYRES

Suitable tyres with enough tread for the day

If you are using only one set of tyres, be sure that they remain road safe and legal for the drive home. It is important to check tyre pressures before and after the event.

Check wheel nuts and Studs

Amazing how often you can find a loose wheel nut or two.

BRAKES

Brake Hoses

Check for leaks, rub marks or any other deterioration. Check for bulges under pressure (engine running and a foot on the brake pedal)

Performance pads

Pads must be suitable for higher operating temperatures created by high speed driving otherwise brake fade will occur. Care should be taken when driving with performance pads as when cold as they can be relatively ineffective.

Brake lights operating

Important so that following drivers know when you are braking.

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TRANSMISSION AND DRIVE TRAIN

<i>In good condition</i>	Obvious
<i>No vibrations</i>	Noise/vibration usually an indication of wear. Dropping a tail shaft at high speed can have serious consequences.
<i>No leaks.</i>	Obvious
<i>Rubber boots intact.</i>	Split or torn boots not only allow dirt and water to penetrate the working parts but can also drop oil.
<i>Gear Change Linkages</i>	Worn or badly adjusted linkages can result in slow or missed gear changes resulting in engine and/or gearbox damage.

SUSPENSION AND STEERING

<i>Wheel alignment and camber</i>	Better handling and better tyre wear
<i>Shock Absorbers</i>	Firmer or performance shock absorbers (if not already fitted) will dramatically enhance cornering, braking and handling in general
<i>Check for wear</i>	Wheel bearings Shock absorbers and mounts Tie-rod ends and boots Ball joints Suspension bushes Steering rack

BODY

<i>Panels secured</i>	Particularly if after-market body kit has been fitted (spoiler/skirt/wing etc).
<i>Mirrors</i>	<u>Using correctly adjusted mirrors is essential</u>

SAFETY

<i>Fire Extinguisher</i>	Properly secured and (generally) within easy reach of the driver. Depending on the event, the HSV boot mounting is acceptable. Approved to minimum AS1846 or AS1848
<i>Seat Belts</i>	In good condition and approved to minimum ASE35 Race Harnesses are not a requirement but may be worth considering.
<i>Supplementary bonnet restraint</i>	A requirement for some events. – Not needed for sprint days.
<i>Battery Location marker</i>	Not compulsory for most of these types of events but not a bad idea anyway. A blue triangle (min 150mm sides) affixed to the external body panel nearest the battery. Not needed for sprint days

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INSURANCE

CTP (Third Party)

Most insurers offer this extension at little or no cost

Comprehensive

Generally not covered for these events however responsibility rests with the individual and enquiries should be directed to your own insurer.

LICENCE

Civilian road licence

CAMS or AASA licence depending on the event and/or venue. For QR and Lakeside AASA licence needed.

APPAREL

Driving Suit

Approved (fire retardant) driving suits are *not* a requirement. Non-synthetic clothing (wool or cotton) covering from neck, to wrist, to ankle is required.

Footwear

Fully enclosed footwear is mandatory (jogging or sports shoes ideal)

Helmet

Full or Open Face helmet is acceptable. Must be in good condition. Approved to AS1698 minimum.

Gloves

Again, not a requirement however recommended to aid grip and absorb moisture (perspiration).

GENERAL

Empty your car of all un-necessary and non-fixed items

You may need

Tool kit
Tyre pressure gauge
Tyre pump
Race tape
Engine oil
Coolant
Brake / Power Steering fluid
Transmission oil/fluid
Fuel
Jack
Jumper leads
"Ocky" straps
Spare parts ??????
Clean rags

Drinking water
Food (if not available at venue or being provided by organizers)
Sun screen
Hat
Warm clothing
Soap
Towel
Sun glasses
Pen and paper
Entry form (if not already lodged)
Entry fee

