



# Time Trial Technical Inspection Form 2021

Sports Car Club of America

Cincinnati Region - Great Lakes Division SCCA

Per 2021 Time Trial Rules – Level 1



Entrant \_\_\_\_\_ Car # \_\_\_\_\_

Car Make \_\_\_\_\_ Model \_\_\_\_\_ Year \_\_\_\_\_ Color \_\_\_\_\_

Current License Plate and State of Registration \_\_\_\_\_

Or, Current SCCA Class and Vehicle Log Book Number \_\_\_\_\_

\*\*\*\*\*

## Road Equipment

Brake Lights

Windshield Wipers

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

## Suspension

Steering / Free Play

Wheel Bearing Play

Mounting Points

Tie Rod Ends

Shocks Not Leaking

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Battery

Securely Mounted

Positive Post Covered

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

## Roof/Removable Hardtop

Closed/Latch Secure

Convertible Top Down

Convertible Roll Bar Above Helmet

Convertible Roll Bar Padded

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Brakes

Fluid Level

Fluid Clean & Fresh

Brake Pedal Firm

Pad Thickness 3/16" Min.

Rotors Not Cracked

Hoses Not Leaking

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Miscellaneous

No Loose Items

Secure Seats (Driver & Pass)

Glove Compartment Locked

Floor Mats Removed

No Nitrous Oxide Bottles

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Windows

Front Windows Operational

Pass Fail

\_\_\_\_\_

## Engine

No Fluid Leaks

Belts / Hoses Tight

Engine Mounts

Hood Secure

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Wheels & Tires

Min. Tread Depth

Hub Caps / Rings Off

No Sidewall Cracks / Cuts

Wheels Not Cracked

Lugs Torqued \_\_\_\_\_ ft-lb

120+ MPH Rating (Circle)

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

U H V W Y Z

## Exhaust System

Securely Mounted

No Leaks

Ends Behind Mid-axle Point

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Body

No Weakening Rust

No Windshield Cracks

Mirrors Secure & Full Coverage

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Safety Equipment

Seat Belts (Not Frayed or Stiff)

Secure Seat Belt Mounting

Certified Belts < 5 Year Old

Same Belts Driver & Passenger

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Participant Safety Gear

Helmet SNELL M/SA2005+

Visor or Goggles for Open Car

Long Pants & Shirt Sleeves

Full Covering Shoes to Ankle

Pass Fail

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Pre-Event Inspection by: \_\_\_\_\_ Date \_\_\_\_\_

Entrant or Service Center

Tech Inspection Sticker Issued by \_\_\_\_\_ Date \_\_\_\_\_

## General Criteria and Inspection Guidelines

This vehicle is being inspected for general condition and safety equipment that may allow the vehicle to be operated beyond what it would normally see in everyday driving. This includes acceleration, speed, cornering, and braking. These are general guidelines and the SCCA Time Trial Rules or Licensed SCCA Technical Inspector should be consulted if there are questions. Any items that are not acceptable or inspected prior to the event should be shown as "Fail" with a notation so that they can be inspected by the Tech Inspector at the event.

**Road Equipment** – Vehicle should have at least one working brake light, however it is recommended that all brake lights be functional and easily seen. Windshield wipers should be functional and in good condition.

**Suspension** – All joints and components of the steering and suspension should be inspected (with and without vehicle weight if appropriate) for any looseness, damage, clearance issues or leakage.

**Battery** – The vehicle battery should be checked for positive and secure mounting (i.e. no tie-wraps or bungee cords). The positive terminal of the battery must be covered with an insulating material to prevent grounding if a conductive object comes in contact with it inadvertently.

**Roof/Removable Hardtop** – Any removable roof or hardtop must be properly secured, preferably with factory hardware. All convertibles which do not have a hardtop, must have the soft-top capable of being retracted down and secured during vehicle operation. All convertibles must have either an SCCA approved roll bar or factory designated roll over protection (factory literature must define the equipment as roll over protection). The roll over protection must be at least as high as the intended operator's helmeted head when normally seated in the drivers position. All roll bars in the area where the helmeted head could come in contact with the bar must be covered with an energy absorbing material (No, pipe insulation and swimming pool noodles are not adequate).

**Brakes** – Brake fluid level should be near full since it is likely that brake shoe/pads will experience rapid wear. Brake fluid should be clean and fresh throughout the system. The brake pedal should be firm with no softness or leak down. Brake lines, fittings and hoses should show no evidence of leakage. Brake friction material (pads or shoes) must have appreciable material evident to allow for wear before rivet or backing contact. Rotors or drums should show no evidence of sub-surface cracking or distortion.

**Miscellaneous** – Any and all loose items must be removed from the interior (look under the seats and on the dash) and out of the trunk or other compartments. It is recommended for everything to be out of the console and glove box, or that these areas are locked. Floor mats must be removed. Driver and passenger seats must be securely mounted. Seats should also have a means of securing a foldable back if not occupied (seatbelt/shoulder harness is acceptable). If the vehicle contains a nitrous system, it must be disarmed and all bottles removed (even if empty).

**Windows** – The vehicle's driver and passenger windows must be operational to allow them to be fully down.

**Engine** - The throttle actuation system should have a good throttle return. All belts and hoses should be in good condition with no cracking or damage. Hoses should be secure and belts should be tight. There should be no leaks, and the compartment should be free of any accumulations. Engine mounts should be secure. The hood latching system must be positive and secure.

**Wheels & Tires** – All tires should be in good condition with no visible cracks, cuts or damage. Tires must show adequate tread depth or margin before exposing cords. All tires must be rated for 120 MPH or greater. Wheels should not show any cracks or significant damage or deformation. Wheel lugs should be properly torqued and the torque level recorded. All hubcaps, un-retained center rings, or beauty rings must be removed.

**Exhaust System** – The entire exhaust system should be inspected for leaks, significant corrosion or damage. It must be securely mounted and provide adequate ground clearance. The termination point of the exhaust must be behind the mid-point between the forward and rear axles.

**Body** – The vehicle's body and sub-frame must not have any rusted areas that would weaken the structure. Any areas with non-structural rust must be secure. Windshield chips and single-line cracks that do not affect the driver or passenger clear visibility are accepted as long as the window integrity is not compromised. Mirrors must be secure and functional. Mirrors must provide the driver rearward viewing for both sides and immediately rearward while in the normally seated position.

**Safety Equipment** – O.E.M. 3-point restrain systems (factory belts) are acceptable as long as they are in good condition without significant aging (stiffening) or fraying. Competition belts and harnesses are acceptable as long as they are age dated and are not more than five years old. All belts must be securely mounted into substantial structures either in factory locations or per manufacturer's recommendation (Child safety seat anchors are not acceptable locations).

**Participant Safety Gear** – During the event all participants will be required to utilize certain safety gear. At a minimum long pants and long sleeved shirts are required (100% cotton recommended; leave the synthetic materials home). Shoes must cover the entire foot and come up to the ankle. Helmets which are certified and marked (usually in the liner) that they meet Snell M2005+ or SA2005+ are required (SFI and BS also acceptable); they should show no indication of damage. All convertible or open vehicles will require the driver to have goggles or a visored helmet.