

**Test & Tune** is non-timed, non-competition track time for licensed racers, time trial drivers, and approved Pitt Race PDE Group 3 drivers. This program is designed for those seeking additional seat time for driver improvement, vehicle and chassis tuning, and for those who want more practice time on the Pitt Race circuit prior to a race event. This program permits advanced passing rules in order to maximize the use of time spent on the track, and it is also a great opportunity to shake down your car or test for an upcoming race.

Open wheel cars are permitted in certain Test & Tune events. Please see [Motorsportreg.com](http://Motorsportreg.com) for class listings.

No instructor feedback will be offered by Pitt Race.

Once the Pitt Race officials know the number and types of cars coming, they will divide the cars into groups of similar configurations and performance. The goal is to give every team and driver as much track time as possible. Pitt Race reserves the right to modify the run groups at any time during the day.

All test days are open to the public for spectating and fans are encouraged to come watch their favorite drivers and teams practice.

*Registration and payments can be completed at [Motorsportreg.com](http://Motorsportreg.com). Pricing will vary by length of event and track configuration but generally starts at \$200. There will be full and/or half day events. See [Motorsportreg.com](http://Motorsportreg.com) for date specific schedules.*

## **Test & Tune Daily Protocol:**

- Participants may enter the property at 7:00 am.
- Registration begins at 7:15 am, followed by a mandatory driver's meeting at 8:00 am. Half day participants' driver's meeting will be at 12 noon. If you arrive after the driver's meeting you must see the lead instructor before you will be given access to the track.
- No race engines may be started before 8:00 am or after 6:00 pm.
- Test & Tune on-track sessions generally begin at 8:30 am and run until 5:30 pm, but any given Test & Tune schedule is subject to adjustments and modifications.
- Cars are generally divided into "open-wheel" and "closed-wheel" groups
- Pitt Race determines the schedule based on enrollment. In the interest of safety, Pitt Race reserves the right to limit the number of participants on the track at any time. Pitt Race determines the schedule and run groups based on enrollment. Drivers registered for full day will typically have four (4) to five (5), 20-25 minute sessions throughout the day.

# MORE INFO...

## ***Driver Requirements:***

- All drivers must present proof of a current competition license or have documentation from Pitt Race PDE, or another program that shows the driver is in the advanced group. (SCCA, NASA Competition or HPDE4 license, Professional Sports Car Racing, VSCDA, SVRA, Vintage National License, VRG, RCCA, Pro-Rally, NASCAR, CART, FIA, EMRA, car club competition license, or CASC license.) Certificates documenting the completion of a racing course from an accredited driving school within the past 12 months may also be accepted.
- Shoes that cover the entire foot must be worn while on track (no sandals, heels, Crocs, etc.).
- Long pants and long sleeved shirts are required for participation.
- Helmets Snell certified with the following ratings are accepted: SA2015, SA2010, SAH2010, M2015, and M2010. Note: The 2005 rated helmets are no longer accepted for Pitt Race PDE or Test & Tune.
- Drivers are required to bring their helmet to check-in for approval and a helmet tech decal. The helmet will then be valid for the year indicated on the decal.

## ***Car Requirements:***

- All cars must have a completed the Self Tech Form before driving on track. (A link to this form will be provided upon confirmation of registration.)
- This program requires all drivers to use their own qualified vehicle.
- Convertible vehicles with operational factory rollover protection system are allowed. This includes factory roll bars, pop up rollover protection, and reinforced a-pillars designed to provide rollover protection. The car must be driven with the convertible top in the up and locked position. Arm restraints are recommended.
- All other convertibles require either an installed factory hard top or a four-point roll bar. If a roll bar is installed, the top of the driver's helmet must be below the line from the top of the roll bar (not including padding) to the top of the windshield frame. Portions of the roll bar subject to contact by the driver's helmet must be padded with a non-resilient material with a minimum thickness of one-half inch. Arm restraints are recommended.
- Fully prepared road race competition cars and street cars are permitted.
- Vehicles with a high center of gravity and narrow track, including SUV's, Cross-Overs, Mini Vans, and 4WD pickup trucks, are not permitted.
- No passengers are permitted in any cars at any time, excluding approved instructors riding with a student.
- Pitt Race management reserves the right to deny access to the track to any driver or vehicle for safety concerns.

## ***Support Crews***

- Support crews are responsible for their own safety during Test & Tune days. Please pay attention to traffic in the paddocks and pits at all times. The paddock speed limit is 10 miles per hour for all vehicles.
- Please park in designated area and keep the access lanes and fire lanes free of all vehicles, equipment, tools, etc.
- No person under 16 years of age is permitted in the pits at any time.
- No alcoholic beverages are allowed in the pits or paddocks.

## ***Recycling/Waste Fluid***

- **IMPORTANT: DO NOT POUR OIL, GASOLINE, ANTIFREEZE, OR OTHER FLUIDS ON THE GROUND OR PAVEMENT.**
- Trash receptacles and liquid recycling stations are located behind the North Track Garage.
- Please contact Pitt Race personnel if you have any questions about the containment of waste fluids

## ***Bring it in/take it out policy***

- All tires, broken fiberglass, scrap metal, batteries, and any other parts that may have broken or fallen off of cars must be removed from Pitt Race.

## ***Garages***

- Garages are available for rent on a first come first serve basis. Please contact Pitt Race to schedule a rental at 724-535-1000.

## ***FUEL***

- Sunoco Racing Fuels is the official fuel of Pittsburgh International Race Complex:
  - Leaded 110 Octane
  - Unleaded 100 Octane
  - Premium Unleaded 93 Octane
- There is a Sunoco mandated security protocol in place which will limit customers to three (3) transactions per day on the same credit card. The limit is \$100 per transaction.

## Flags, Hand Signals, and On-Track Demeanor

It is expected that Test & Tune drivers understand all flags and hand signals. Absolute compliance with any flag displayed at any corner is required. Drivers who fail to observe the flag signals will be expelled from the event with no refunds. Please consult Pitt Race staff regarding any safety communication or procedure.

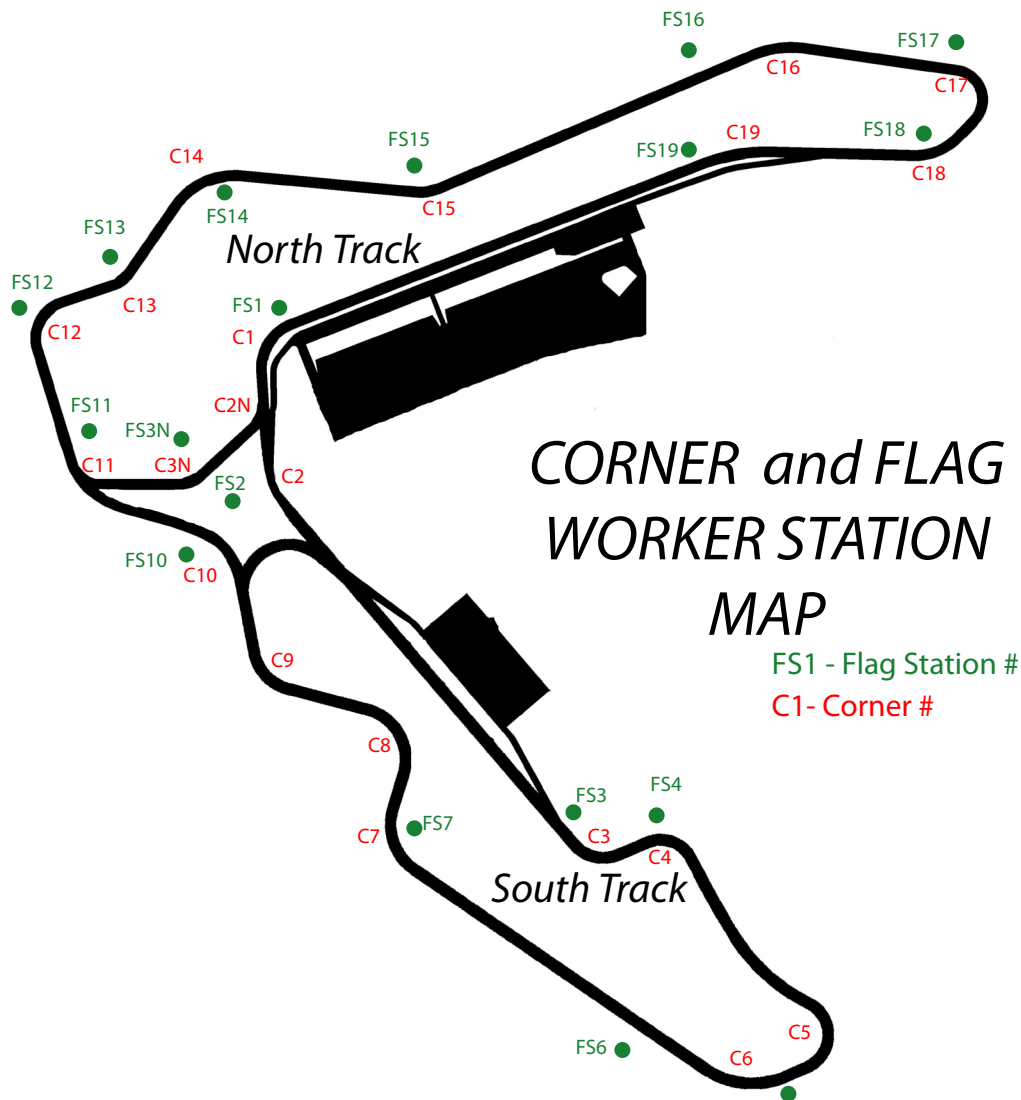
Drivers who experience off-course excursions are required to hand-signal the closest corner worker indicating that there are no apparent injuries.

Any driver engaging in unsportsmanlike-like behavior will be expelled with no refunds.

**IMPORTANT: PITT RACE RESERVES THE RIGHT TO REMOVE ANY DRIVER DEEMED DANGEROUS TO EITHER THEMSELVES OR OTHERS.**

### Flag Stations and Medical

Pitt Race provides medical support and corner workers. Please attempt to get disabled cars to a designated safe zone and remain in car while waiting for assistance from the flag worker or Fire/Rescue.



## Flags

**CHECKERED FLAG** (Black and white checkered): Waved as first car crosses finish line at the end of the final lap signifying the end of the session. **NO PASSING** is allowed after receiving the Checkered Flag.

**GREEN FLAG** (Solid green): Waved at the start of a run group session or after the first lap under Yellow Flag conditions has been completed. Once the Green Flag is shown, drivers can continue on track at speed according to the passing rules for their respective run group.

**YELLOW FLAG** (Solid yellow): Adverse conditions exist ahead. Drivers should reduce speeds, fall in line, and not pass other cars on track until after they are past the issue that caused the Yellow condition, or until corner workers are no longer showing the Yellow Flag. A waving Yellow Flag means that you are rapidly approaching an issue that has just occurred on track.

**WHITE FLAG** (Solid white): One lap remaining before Checkered.

**RED FLAG** (Solid red): Indicates that an emergency situation has occurred. All vehicles must come to a safe but quick stop on track. Pull off to one side of the track and within view of a corner worker. Leave room on the track for Safety Vehicles to pass. Do not unbuckle your belts or helmet, and stay in your car unless it's on fire.

**BLACK FLAG** (Solid black): An individual driver Black Flag means that a driver has violated the rules during his/her session. However, this flag can also indicate that there is a mechanical issue with a vehicle on course that needs to be addressed for the safety of other drivers. During a full course Black Flag, drivers must bring their cars to the hotpits or paddock on the next lap so event staff can deal with the situation on track. **NO PASSING** is allowed during a full course Black Flag status.

**BLUE WITH YELLOW STRIPE**: Pass/check your mirrors. Indicates to a driver that there is a faster car following closely behind but not yet close enough for a pass. Drivers receiving this flag should immediately check their mirrors, issue a 'point by' hand signal to the approaching driver, and leave adequate space on track for a safe pass. This is considered a courtesy to faster drivers.

**YELLOW WITH RED STRIPES**: Surface conditions. Indicates there is debris or a change in the surface conditions. Proceed with caution.

# SELF-TECH FORM

Driver & Co-Driver's Name \_\_\_\_\_

Phone \_\_\_\_\_

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

The track worthiness of your car is your responsibility. Please inspect, or have inspected these important aspects of your car. Print and complete the form, and don't forget to bring it with you to the track. Cars without form or with an incomplete form will not be allowed to participate.

## Braking, Suspension & Steering systems:

- Ball joints/swivel point: within wear limits, grease seals intact, attachments secure
- Idler arm, pitman arm, links & ties rod/link end: within wear limits, secure attachments seals intact
- Bearings: hubs properly adjusted within manufacturer's specs, cotter pins or locking devices secure
- General condition of system: springs, shocks, bushings, frame attachments, anti-sway mountings all GOOD
- Brake friction materials: pads or shoes greater than 50% of manufacturer's thickness specs
- Calipers, brake cylinders and rotors: no leaks operates freely, attachment hardware secure, functioning properly
- Steel and flexible brake lines: fittings, attachments, mounting and integrity all GOOD
- Brake lights: functional

## Battery, Hoses, Fluids, Fuel System to Engine:

- Brake fluid levels: GOOD (changed in accordance with manufacturer's specs) recommended High-temp brake fluid
- No fluid leaks: any lines, oil, engine coolant intercoolers
- Fuel Lines: GOOD condition, no leaks or corrosion, fuel filter(s) clamps on flax hose, no cracks/leaks
- Battery: firmly tied down, battery box used for remote battery. Positive terminal covered
- Carburetor, fuel injection systems, injectors: no leaks, corrosion, damage
- All Belts: GOOD Condition, snug, no cracks or fraying

## Body, Exhaust & Fuel System:

- Body & Chassis: secure with little to no rust perforations
- Exhaust system: no leaks at pope flanges, joints, flanges, hanger and brackets securely mounted
- Gas tank/Fuel cell: no leaks, attachment secure, filter cap and vent cap present, Gas cap closes properly
- Fuel lines: no leaks, secure routing

## Driver safety:

- Seats: securely mounted and in good condition
- Seat belts: functional and in good condition, (Safety harness is FIA or SFI certified)
- Vehicle glass & mirrors: GOOD condition, no damage or cracks
- Roll bar/cage/Hardtop/hoops: properly installed, meets vehicle type/manufacturer requirements
- Helmet & Attire: Helmet is Snell certified 2010 or newer (SA, SAH, or M 2005 rated helmets are valid for Lowkey Autocross only), long pants and sleeves are required for Pitt PDE and Test and Tune. Closed toe shoes are required for Pitt PDE, Test and Tune, and Lowkey Autocross
- Tires: no cords showing, not cuts, no interference with body throughout range of motion, properly seated on wheels
- Wheels & Tire valves: in good visual condition with no cracks/leaks, all lug nuts/studs are present & fully threaded

Is this vehicle a convertible? [ ] YES [ ] NO

If yes, does this car affirm to Car Requirement Section of Program Requirements? [ ] YES [ ] NO

Track Damage Information: Entrants assume all risk of damage or injury to persons and property during the course of the event. Should any damage to track facilities occur as a result of any action of yours, you are responsible for any related expense.

By signing this form I certify that I or a qualified mechanic has performed the above inspections and any deficiencies have been corrected. I acknowledge that I am solely responsible for the condition and suitability of this vehicle and helmet for use in this event. I release Pittsburgh International Race Complex, and any Person involved with this event from any liability arising from a failure of this vehicle or helmet for any reason, including the failure of the items listed on this form.

Driver \_\_\_\_\_

Co-Driver \_\_\_\_\_

Date \_\_\_\_\_

# BEFORE YOU ARRIVE...

## What To Pack

- |  |  |
|--|--|
| <input type="checkbox"/> Tools & Equipment                       | <input type="checkbox"/> Paper Towels        |
| <input type="checkbox"/> Socket Set                              | <input type="checkbox"/> Gasket maker        |
| <input type="checkbox"/> Car's Service Manual                    | <input type="checkbox"/> Brake Parts Cleaner |
| <input type="checkbox"/> Wrenches                                | <input type="checkbox"/> Brake Fluid         |
| <input type="checkbox"/> Torque Wrench (Preferably Digital)      | <input type="checkbox"/> Engine Oil          |
| <input type="checkbox"/> Portable, Hydraulic Jack                | <input type="checkbox"/> Mechanical Gloves   |
| <input type="checkbox"/> Flat Head and Philips Head Screwdrivers | <input type="checkbox"/> Scrubs-in-a-bucket  |
| <input type="checkbox"/> Quality Tire pressure gauge             | <input type="checkbox"/> Extra Brake Pads    |
| <input type="checkbox"/> Wire Cutters/Strippers/Pliers           | <input type="checkbox"/> Cleaning Cloths     |
| <input type="checkbox"/> Race Tape                               | <input type="checkbox"/> Glass Cleaner       |
| <input type="checkbox"/> LED flashlight                          | <input type="checkbox"/> Sunblock            |
| <input type="checkbox"/> Box Cutter                              | <input type="checkbox"/> Bottled water       |
| <input type="checkbox"/> Duct Tape                               | <input type="checkbox"/> Energy Bar          |
| <input type="checkbox"/> Zip ties                                | <input type="checkbox"/> Storage Container   |
|  | <input type="checkbox"/> Outdoor chair       |

## Suggested maintenance to perform prior to arrival

- Torque wheels to recommended specs
- Check/adjust tire pressure
- Flush brake fluid system- High temp fluid recommended
- Vehicles should have, at a minimum, working factory installed restraint systems (working seat belts) or the equivalent.
- Tires should have at least 3/32 tread or be DOT approved race tires.
- Brake pads should be less than ¼ used, performance brake pads recommended.
- No visible fluid leaks.
- Rental helmets are available at the track in the Pitt Stop Pro Shop

## Upon arrival

- Remove all loose items from vehicle including floor mats, tools, and etc.
- Check tire pressure often during the day
- Re-torque wheels after one or two track sessions

Please check our Event Calendar for a complete schedule of upcoming dates and times.

\*\* Dates are subject to change; please check our website schedule for more information.