



2017 CAMARO MODELS TRACK PREPARATION

The 2017 Camaro SS, Camaro V6 1LE, Camaro V8 1LE, along with the iconic Camaro ZL1, have been built to elevate track performance to a whole new level. But before unleashing their acceleration, cornering and braking capability, there are several key procedures and steps that must be taken in order to properly experience their track dominance. For full details and information, see the 2017 Camaro Owner's Manual and High Performance Owner's Manual Supplement.

1. ATTAIN THE RIGHT MILEAGE

NEW VEHICLE BREAK-IN

Models: Camaro SS, Camaro V6 equipped with the 1LE Performance Package, Camaro V8 equipped with the 1LE Performance Package and Camaro ZL1.

All Camaro models have a required break-in period during the first 1,500 miles (2414 km) that will prolong their performance.

| PART/DRIVING BEHAVIOR | TIME PERIOD | ACTION |
|---|-----------------------------|--|
| Tires | First 200 miles (322 km) | Drive at moderate speeds and avoid hard cornering |
| Brake linings | First 200 miles (322 km) | Avoid making hard stops (recommended every time brake linings are replaced) |
| Full-throttle starts and abrupt stops | First 500 miles (800 km) | Avoid full-throttle starts and abrupt stops |
| Exceeding 4000 rpm | First 500 miles (800 km) | Avoid exceeding 4000 rpm |
| Cruise control or driving at one constant speed | First 500 miles (800 km) | Avoid cruise control or driving at one constant speed |
| Letting the engine labor or lugging the engine | First 500 miles (800 km) | Avoid letting the engine labor or lugging the engine. With a manual transmission, shift to the next lower gear (this rule applies at all times, not just during the break-in period) |
| Recommended first oil change | First 500 miles (800 km) | Change the engine oil after reaching the first 500 miles |
| Track or competitive driving | First 1,500 miles (2414 km) | Do not participate in track events, sport driving schools or similar activities |
| Engine oil maintenance | First 1,500 miles (2414 km) | Check engine oil with every refueling and add if necessary (oil and fuel consumption may be higher than normal during the first 1,500 miles) <i>Please note: It is recommended the first oil change occur at 500 miles.</i> |

For full details and information, see the vehicle Owner's Manual.

2. SEASON THE BRAKES

BRAKE BURNISH PROCEDURE

Models: Camaro SS, Camaro V6 equipped with the 1LE Performance Package, Camaro V8 equipped with the 1LE Performance Package and Camaro ZL1.

1. Apply the brakes 25 times, starting at 60 mph (100 km/h) to 30 mph (50 km/h) while decelerating at 0.4 g. This is a medium brake application. Drive for at least 0.6 mi (1 km) between applying the brakes.
2. Repeatedly apply the brakes from 60 mph (100 km/h) to 15 mph (25 km/h) while decelerating at 0.8 g. This is a hard brake application, without activating the Antilock Brake System (ABS). Drive for at least 0.6 mi (1 km) between stops. Repeat until the brake pedal travel starts to increase. Depending on conditions, this should take no longer than 25 brake applications.
3. Cool down: Drive at 60 mph (100 km/h) for approximately 10 mi (5 km) without using the brakes.
4. Apply the brakes 25 times from 60 mph (100 km/h) to 30 mph (50 km/h) while decelerating at 0.4 g. This is a medium brake application. Drive for at least 0.6 mi (1 km) between applications.

Please note: During the burnishing procedure, the brake pads will smoke and produce an odor. The braking force and pedal travel may increase. After the procedure is complete, the brake pads may appear White at the rotor contact.

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REPLACE THE TIRE DEFLECTOR AND FRONT DISC BRAKE SPLASH SHIELD

Model: Camaro SS

Before any racing event, remove the tire deflectors in the front of the vehicle and replace the original deflector and front disc brake splash shield with the tall deflector and small splash shield (found in the trunk). Racetrack driving with the original front disc brake splash shield and front tire deflector may result in brake pedal fade due to high rotor temperatures.

For full details on how to install the tall deflector and small splash shield, see the Camaro Owner's Manual (pages 206-208).

3. ADJUST THE FOUR CORNERS AND VEHICLE COMPONENTS

TIRE PRESSURE AND WHEEL ALIGNMENT

Tire pressure specifications are listed in psi (kPa). Limit the vehicle weight to a maximum of the driver and one passenger, with no additional cargo.

| MODEL | AXLE | ROAD COURSE COLD STARTING PRESSURES | ROAD COURSE TARGET HOT PRESSURES ² | DRAG STRIP COLD STARTING PRESSURES | SUSTAINED HIGH SPEED COLD STARTING PRESSURES |
|---|-------|---|---|--|---|
| ZL1 Tire ¹ Pressure Settings | Front | 28 psi (193 kPa) | 35-37 psi (241-255 kPa) | 32 psi (221 kPa) | 44 psi (303 kPa) |
| | Rear | 28 psi (193 kPa) | 35-37 psi (241-255 kPa) | 26 psi (179 kPa) | 44 psi (303 kPa) |
| V8 1LE Tire ¹ Pressure Settings | Front | 28 psi (193 kPa) | 35-37 psi (241-255 kPa) | N/A | 44 psi (303 kPa) |
| | Rear | 28 psi (193 kPa) | 35-37 psi (241-255 kPa) | N/A | 44 psi (303 kPa) |
| SS Tire ¹ Pressure Settings | Front | 30 psi (210 kPa) | 36-38 psi (250-260 kPa) | 32 psi (220 kPa) | 44 psi (300 kPa) |
| | Rear | 30 psi (210 kPa) | 36-38 psi (248-262 kPa) | 26 psi (180 kPa) | 44 psi (300 kPa) |
| V6 1LE Tire ¹ Pressure Settings | Front | 30 psi (207 kPa) | 36-38 psi (248-262 kPa) | N/A | 41 psi (280 kPa) |
| | Rear | 30 psi (207 kPa) | 36-38 psi (248-262 kPa) | N/A | 41 psi (280 kPa) |

¹ Do not use summer-only tires in winter conditions, as it would adversely affect vehicle safety, performance and durability. Use only GM-approved tire and wheel combinations. Unapproved combinations may change the vehicle's performance characteristics. For important tire and wheel information, go to <https://my.chevrolet.com/learnAbout/chevrolettires> or see your dealer for details.

² Value will vary based on driving style, track, temperature and weather conditions.

Please note: The tires on Camaro ZL1, Camaro V6 and Camaro V8 models equipped with the 1LE Performance Package are equipped with high-performance summer-only tires. These tires have a special tread and compound that are optimized for maximum dry and wet road performance. This special tread and compound will have decreased performance in cold climates, and on ice and snow. It is recommended that winter tires be installed on the vehicle if frequent driving at temperatures below approximately 5°C (40°F) or on ice- or snow-covered roads is expected.

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WHEEL ALIGNMENT

Wheel alignment settings should be set as follows for optimized road course usage.

| MODEL | AXLE | CASTER (NOT ADJUSTABLE) | | CAMBER | | TOTAL TOE | STEERING WHEEL ANGLE | THRUST ANGLE |
|---------------------------------|-------|----------------------------|-------|-------------------|-------------------|-----------------|-------------------------|---------------------|
| | | LEFT | RIGHT | LEFT | RIGHT | (LEFT + RIGHT) | | (LEFT - RIGHT/2) |
| ZL1 Track Alignment Settings | Front | 6.9° | 6.9° | -2.0° ± 0.15° | -2.0° ± 0.15° | 0.1° ± 0.05° | 0.0° ± 3.5° | — |
| | Rear | — | — | -1.5° ± 0.15° | -1.5° ± 0.15° | 0.1° ± 0.05° | — | 0.0° ± 0.1° |
| V8 1LE Track Alignment Settings | Front | 6.9° | 6.9° | -2.0° ± 0.15° | -2.0° ± 0.15° | 0.1° ± 0.05° | 0.0° ± 3.5° | — |
| | Rear | — | — | -1.5° ± 0.15° | -1.5° ± 0.15° | 0.1° ± 0.05° | — | 0.0° ± 0.1° |
| SS Track Alignment Settings | Front | 7.4° | 7.4° | -2.0° ± 0.15° | -2.0° ± 0.15° | 0.1° ± 0.05° | 0.0° ± 3.5° | — |
| | Rear | — | — | -1.25° ± 0.15° | -1.25° ± 0.15° | 0.1° ± 0.05° | — | 0.0° ± 0.1° |
| V6 1LE Track Alignment Settings | Front | 7.2° | 7.2° | -2.0° ± 0.15° | -2.0° ± 0.15° | 0.1° ± 0.05° | 0.0° ± 3.5° | — |
| | Rear | — | — | -1.25° ± 0.15° | -1.25° ± 0.15° | 0.1° ± 0.05° | — | 0.0° ± 0.1° |

FRONT LICENSE PLATE/BRACKET REMOVAL

Model: Camaro ZL1

For track usage, the front license plate and bracket on Camaro ZL1 can be removed from the fascia to maximize airflow. Remove the license plate to access the four screws that attach the license plate bracket to the front fascia.

WATER DEFLECTOR

Model: Camaro ZL1

If operating Camaro ZL1 on a closed course in hot temperatures, remove the water deflector to maximize airflow and cooling. Remove the three bolts for track usage, then replace immediately after to protect the engine compartment from water intrusion (torque to 5.4 N·m (40 lb in)).

UNDERBODY AIR DEFLECTOR TIRE DAM KIT

Model: Camaro ZL1

The Underbody Air Deflector Tire Dam Kit provided with Camaro ZL1 vehicles helps reduce the amount of aerodynamic lift on the front axle for optimum handling. For installation, see the instructions provided with the kit.

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4. CHECK YOUR FLUIDS

Models: Camaro SS, Camaro V6 equipped with the 1LE Performance Package, Camaro V8 equipped with the 1LE Performance Package and Camaro ZL1.

Be sure to follow all service procedures before driving your Camaro on the track or competitively.

| FLUID/LUBRICANT | TO DO | WHEN |
|--|--|---|
| Engine Oil (0W-40 or 5W-40 that meets the dexos2™ specification. If this oil is not available, you can use Valvoline® SynPower™ MST 5W-40 or Mobil 1® 15-W-50 engine oil) | Check the oil level and keep it at or near the upper mark that shows the proper operating range on the engine oil dipstick. | Often (before, during and after every track event or competitive driving session) |
| Automatic Transmission Fluid – Camaro ZL1 only (DEXRON® ULV Automatic Transmission Fluid) | Have the transmission fluid set to the track-specific oil level and change after track usage. | Every 15 hours |
| DOT-4 Brake Fluid | For track events or competitive driving, it is recommended that the brake fluid be replaced with a high performance brake fluid that has a dry boiling point greater than 279 degrees C (543 degrees F). After conversion to the high performance brake fluid, follow the brake fluid service recommendations outlined by the fluid manufacturer. Do not use silicone or DOT-5 brake fluids. | Before every track event or competitive driving session |

Please note: Chevrolet recommends the use of TOP TIER™ Detergent Gasoline to keep the engine cleaner and reduce engine deposits. Visit www.toptiergas.com for a list of TOP TIER Detergent Gasoline marketers. Use premium unleaded gasoline meeting ASTM specification D4814 with a posted octane rating of 93. If unavailable, unleaded gasoline with a posted octane rating of 91 may be used but with reduced performance and fuel economy.

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5. CUSTOMIZE YOUR PERFORMANCE

Models: Camaro SS, Camaro V6 equipped with the 1LE Performance Package, Camaro V8 equipped with the 1LE Performance Package and Camaro ZL1.

DRIVER MODE CONTROL

When maximum vehicle handling is desired for track use or competitive driving, Track Mode should be selected using the Driver Mode Control switch (located on the center console, behind the shifter lever). When in Track Mode, the accelerator pedal is adjusted to give maximum control during the highest level of spirited driving. If the vehicle is equipped with Magnetic Ride Control™, it will be set to optimum level for vehicle responsiveness. If the vehicle is equipped with Active Exhaust, the exhaust valves will be open.

CUSTOM LAUNCH CONTROL

Model: Camaro ZL1

Custom Launch Control allows the Launch RPM, Slip Target (5%-15%) and Surface Type parameters for Launch Control to be modified.

To adjust Launch RPM:

- The vehicle must be in Track Mode
- Performance Traction Management (PTM) Mode must be enabled. For convertibles, Competitive Driving Mode must be enabled
- The steering wheel must be straight and the driver door closed
- The transmission must be in a gear other than R (Reverse). It will work in P (Park) or N (Neutral)
- The parking brake must not be engaged

Using the buttons on the right side of the steering wheel, scroll to “Options” on the Driver Information Center menu to select your Surface, Launch RPM and desired Slip Target. For full details and information, see the Camaro High Performance Owner’s Manual Supplement.

LINE LOCK

Model: Camaro ZL1

Line Lock allows for locking the front brakes independently of the rear brakes. This allows the rear tires to spin when the throttle is applied. To enter Line Lock, all of these conditions must be met:

- The vehicle must be in Track Mode
- Performance Traction Management (PTM) Mode must be enabled. For convertibles, Competitive Driving Mode must be enabled
- The steering wheel must be straight and the driver door closed
- The vehicle must be in D (Drive) for automatic transmission or 1st (First) gear for manual transmission
- The parking brake must not be engaged
- The vehicle must be stopped on level ground and the accelerator pedal must not be applied

Using the buttons on the right side of the steering wheel, scroll to “Launch Control” on the Driver Information Center menu to select an Automatic or Custom launch. From there:

- Select Line Lock, then press the brake pedal firmly to move the bar graph to 100%
- Release the brake pedal. There are 15 seconds to complete the burnout and exit
- To release the brakes and roll out, press the tachometer symbol and SEL at the same time

For full details, see the Camaro High Performance Owner’s Manual Supplement.