

# 2012 MUSTANG *BOSS 302*

## THE BOSS STANDS ALONE

There's big news for 2012 Mustang enthusiasts. After 40-plus years, a Boss Mustang is back. The new 2012 Mustang Boss 302, just as the original 1969 and 1970 Boss 302s, is a reflection of everything Ford performance should be. As the name implies, the Laguna Seca Package comes with racetrack credentials and the next level of Mustang performance.



### TOTAL APPROACH

The Boss 302 and Laguna Seca Package are far more than stripes and wheels. Engineers sweat the details, tuning and tweaking almost every component of a Mustang GT. From the engine to the suspension to the aerodynamics – each component has been enhanced to deliver a truly unique driving experience.

Let's take a closer look at what makes the **2012 Mustang Boss 302** and the **Laguna Seca Package** history in the making.

# 2012 MUSTANG *BOSS 302*



## HEART OF A LEGEND

Mustang enthusiasts know what the numbers “302” signify and it’s more than engine displacement. On the spec sheet, having a 302 under the hood means a Hi-Po 302-cubic-inch V8 churning out 444 horsepower and 380 lb.-ft. of torque. Simply put, Boss 302 isn’t complete without this engine. Here’s the goods behind the Hi-Po 302:

- **“Runners-in-the-Box”** composite intake system with shorter runners for high-rpm breathing
- Ti-VCT (Twin independent Variable Cam Timing) with **Boss 302-specific camshaft specifications**
- **Forged aluminum pistons** and upgraded connecting rods for enhanced strength
- New high-strength **aluminum-alloy cylinder heads with fully CNC-machined ports and chambers** for exceptional high-rpm airflow without sacrificing low-speed torque
- Lightened valvetrain components
- **Sodium-filled exhaust valves** for enhanced heat dissipation
- **Race-specification crankshaft main and rod bearings** and Boss 302-specific crankshaft damper for improved high-rpm durability
- **Revised oil pan baffling** for enhanced oil control under cornering loads greater than 1.0 g, a situation often seen in racing environments
- Mated only to a **6-speed manual transmission**

## READY TO RUMBLE

The **Boss-specific quad exhaust system** features two rear outlets and two side outlets that exit from the exhaust crossover. This design sends the engine exhaust through a set of metal discs acting as tuning elements before the pipes terminate just ahead of the rear wheel openings. The side pipes provide an authentic V8 sound experience unlike any other Mustang.



# 2012 MUSTANG *BOSS 302*

## A MORE SURE FOOTED STEED

Chassis engineers refined and enhanced the excellent Mustang GT suspension to deliver improved braking, handling and overall performance capability. These enhancements are a reflection of how the track-proven Ford Racing Boss 302R influenced the production Boss 302.

### Chassis Enhancements

- 5-way adjustable shock absorbers with Boss 302-specific tuning
- Boss 302-specific tuning of the Electric Power-Assisted Steering (EPAS)
- Higher-rate coil springs than Mustang GT help increase chassis response
- 25mm rear stabilizer bar
- Lower ride height – 11mm front and 1mm rear – helps lower the vehicle overall center of gravity for enhanced handling response
- Lightweight 19" black aluminum racing wheels in staggered widths:
  - 9" front/9.5" rear
- Max-performance Pirelli PZero™ summer compound tires
  - 255/40ZR19 front
  - 285/35ZR19 rear
- Stiffer suspension bushings than Mustang GT help increase chassis response
- Strut tower brace helps increase chassis structural rigidity
- Limited-slip rear differential with carbon fiber clutch plates to enhance durability and torque delivery

### Brake System Enhancements

- Boss 302-specific Anti-lock Brake System (ABS) tuning
- Brembo® four-piston front brake calipers and 14" vented front rotors designed to deliver high- performance stopping power
- Performance Friction Carbon Metallic® high-performance brake pads with racing credentials
- Low-expansion brake lines for better brake pedal feel

## 5-WAY ADJUSTABLE SHOCK ABSORBERS

The **handling capability** of the Boss 302 is a reflection of the chassis. All of the components work together to deliver handling prowess. At the heart of this capability are the 5-way adjustable shock absorbers.

### Simplicity

- The shock absorbers are straightforward with no additional weight or complexity found with electronically controlled systems
- Adjusters are at the top of each shock tower, located under the hood or inside the trunk, requiring only a flat-blade screwdriver to change

### Adjustability

- The shock absorbers offer five settings with setting 1 being the softest and setting 5 the firmest
- Setting 2 is the factory setting
- Owner can have the shocks on setting 5 for the highest response for a weekend track-day event and return the shocks to setting 1 for a more relaxed ride home



# 2012 MUSTANG *BOSS 302*



## **DISTINCTLY BOSS**

Ford vehicle designers refined the Boss exterior and created a contemporary take on the original. The enhancements are subtle, but distinctly Boss.

### **On the Outside**

- Black aluminum wheels
- Front fascia with an aggressive lower air splitter
- Grille with blocked-off fog lamp openings
- Rear spoiler complements the front fascia aero treatment and helps minimize overall drag

### **On the Inside**

- Alcantara® suede-wrapped Boss steering wheel
- Black “cue-ball” style shifter handle
- Boss-specific door panel trim
- Boss-specific gauge cluster
- Cloth-trimmed seats trimmed with Miko® suede inserts firmly hold occupants in place
- Dark metallic aluminum instrument panel finish
- “Powered by Ford” door sill plates



# 2012 MUSTANG *BOSS 302*

## BRING YOUR OWN HELMET

The **Laguna Seca Package** builds from the Boss 302 and includes the race-proven equipment for the weekend track enthusiast, including:

### Performance Features

- Laguna Seca-specific shock absorber and steering tuning
- Brake cooling ducts (installation required)
- Stiffer spring rates
- Lightweight 19" aluminum racing wheels with staggered widths: 9" front/10" rear
- Larger 26mm rear stabilizer bar
- Rear cross-car X-brace
- Pirelli PZero™ Corsa competition performance summer dry-weather-only R-compound tires
- Torque-sensing TORSEN® limited-slip rear differential with 3.73:1 gear ratio
- Performance gauge pack

### On the Outside

- Race Red C-stripe
- Race Red painted grille surround
- Race Red painted roof panel
- Race Red painted mirror caps
- Race Red painted rear pedestal
- Race Red painted/machined aluminum racing wheels
- Laguna Seca faux gas cap badge
- Lightweight Laguna Seca-specific front air splitter<sup>(1)</sup>

### On the Inside

- RECARO® racing seats
- Rear seat delete



## BOSS MAKES THE BREED BETTER

Road racing fans will be familiar with the **Ford Racing Boss 302R** – a racetrack-only vehicle complete with roll cage race seats, safety harness, data acquisition, race-tuned suspension and Brembo® brakes. What these fans, and customers, may not know is the Boss 302R is the origin of the 2012 Mustang Boss 302. As these racing Mustangs rack up miles of brutal use, the outcome of each lap improves every Mustang in the showroom.

<sup>(1)</sup> Front air splitter is intended for racetrack use only and is not legal for on-street driving. On-street use may degrade crash performance and may void vehicle warranty. Must be installed by customer.

# 2012 MUSTANG *BOSS 302*

## TRACK READY

Ford is offering two exciting new programs for owners to get the most out of their 2012 Mustang Boss 302. Every Boss owner will have the opportunity to participate in Boss Track Attack, an instructional driving program specific to the Boss 302. And for those owners intending to make on-track events a regular occurrence, Ford Racing offers a unique TrackKey package available from any Ford Dealer.

## TRACK ATTACK

As part of a new complimentary program, Mustang Boss 302 owners will be offered a hands-on track driving experience to learn just what the car is capable of – on and off the track. Boss Track Attack, offered through Team Mustang and Ford Racing, features a full Boss 302 immersion, driving instructions and plenty of track time with engineers AND racers.

### Key Features

- Track Attack is designed to give Boss owners a comprehensive, hands-on look at exactly what the Boss 302 is capable of – and just how much fun they can be – including a day of on-track instruction
- The program will take place at Miller Motorsports Park in Tooele, Utah, outside of Salt Lake City
- Boss owners will need to make their own travel and lodging arrangements, but once in Utah, the full track experience – including cars for the event – is courtesy of Ford

Learn more at [BossTrackAttack.com](http://BossTrackAttack.com).

## TRACKKEY

Two different keys, two different personalities. One has a silver Boss logo, the other a red logo. Either will start the 2012 Mustang Boss 302. The silver key delivers 444 ponies worth of smooth, “streetable” driving joy. Or choose the red TrackKey and unlock a competition-ready track car.



### Key Features

- Optional TrackKey PCM (Powertrain Control Module) software, available exclusively to 2012 Boss 302 owners and installed by an authorized Ford dealer after a customer takes delivery
- TrackKey adjusts variable cam timing, spark maps, engine braking, fuel control and other engine parameters – more than 200 in total – to provide a complete race car calibration
- With the red key in use, TrackKey delivers an aggressive, race-bred driving experience all the way down to the lopey idle rumbling through the Boss quad exhaust

### Key Benefits

- When the red TrackKey is removed and the vehicle is started with the standard silver key, the PCM settings are automatically drawn from the factory Boss 302 settings
- TrackKey is a huge advantage over aftermarket tuning chips and PCM reprogramming
- Extra convenience for enthusiasts wanting all-out performance at the track but stock driveability for the journey there and back

Learn more at [fordracingparts.com/trackkey](http://fordracingparts.com/trackkey).

# 2012 MUSTANG *BOSS 302*

## COLORS AND WHEELS

### BOSS 302 COLORS

Mustang Boss 302 offers a unique appearance with select exterior colors and a Black or White painted roof panel color-coordinated to the side C-stripe.



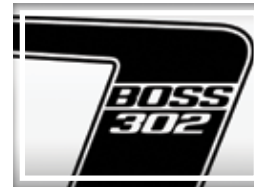
Competition Orange (CY)  
w/ Gloss Black Livery



Race Red (PQ)  
w/ Gloss Black Livery



Yellow Blaze (NQ)  
w/ Gloss Black Livery



Performance White (HP)  
w/ Gloss Black Livery



Competition Orange (CY)  
w/ Offset White Livery



Race Red (PQ)  
w/ Offset White Livery



Kona Blue Metallic (L6)  
w/ Offset White Livery

### BOSS 302



19" Black painted aluminum wheel - 9" front/9.5" rear

### BOSS 302 LAGUNA SECA



19" lightweight Red painted/machined aluminum racing wheel - 9" front/10" rear

### BOSS 302 LAGUNA SECA COLORS

Boss 302 Laguna Seca offers a unique livery with the grille surround, mirror caps and roof painted Race Red.



Black (UA)  
w/ Race Red Livery



Ingot Silver Metallic (UX)  
w/ Race Red Livery



Retailer Education & Training

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