



## Media Information

March 2017

### At a glance:

### New Opel Insignia Grand Sport and Sports Tourer

- **World premiere:** Insignia Grand Sport and Sports Tourer debut on March 7, 2017 at Geneva Motor Show
- **Market launch:** Grand Sport and Sports Tourer launching in Ireland June 2017
- **Production:** Opel plant in Rüsselsheim, Germany
- **Segment:** Midsize
- **Model family:** Five-door Grand Sport and Sports Tourer variants
- **Success:** Production of first Insignia generation began in 2008 and it was immediately named "Europe's Car of the Year 2009"; to date more than 900,000 units have been sold
- **Positioning:** Opel flagship in midsize segment; smart alternative to competitors in premium segment; emotional, athletic design inspired by the 2013 Opel Monza Concept coupled with agile and precise handling, high practicality, spacious interior with wellness atmosphere as well as premium driver assistance and connectivity technologies; no other model in the segment offers such a wide range of intelligent technologies;
- **Dimensions in millimetres:**
  - Insignia Grand Sport:
    - 4,897 / 2,093 / 1,455 (length / width with extended exterior mirrors / height)
    - Luggage compartment volume 490 to 1,450 litres
  - Insignia Sports Tourer:
    - 4,986 / 2,093 / 1,500 (length / width with extended exterior mirrors / height)
    - Luggage compartment volume 560 to 1,665 litres (over 130 litres more than predecessor)
- **Entry price:** TBC Ireland

### Highlights:



- **Design and engineering:**

- Completely new vehicle architecture
- Elegant design with top aerodynamics reminiscent of a large coupé, inspired by Monza Concept
- Athletically stretched body with shorter overhangs, longer wheelbase and more interior space compared to predecessor
- Prominent front grille with slim-line headlamps enhances wide horizontal look
- Rear defined by clear lines and slim LED taillights in double-wing design
- $C_D$  Grand Sport = 0.26, one of the most streamlined models in its class
- Grand Sport weighs up to 175 kilograms less and Sports Tourer up to 200 kilograms less thanks to intelligent packaging and lightweight materials

**Technologies, assistance systems and comfort:**

- Next-generation, full **LED IntelliLux LED<sup>®</sup>** matrix light with 32 LED segments for the high beam function – faster, more precise and powerful; high-beam range of up to 400 metres
- First Opel with **active hood** for improved pedestrian protection
- Further improved **FlexRide** adaptive chassis system
- **Intelligent all-wheel drive with torque vectoring** – most sophisticated system in class
- **Head up display** shows speed, traffic signs, set speed of speed limiter and adaptive cruise control along with navigation direction on windscreen
- **360° camera** with bird's eye view
- **Adaptive Cruise Control** ACC with automatic emergency braking
- **Lane Keep Assist** with automatic steering correction
- **Rear Cross Traffic Alert** detection range up to 20 metres at 90 degrees from the left or right side behind the vehicle
- Personal connectivity and service assistant **Opel OnStar** with expanded functionalities such as hotel booking<sup>1</sup> and parking space detection<sup>2</sup>
- Latest **IntelliLink** infotainment generation, **Apple CarPlay** and **Android Auto** compatible
- Heated windscreen
- **AGR-certified** (Campaign for Healthier Backs) premium **ergonomic seats** with electric side bolster settings, **massage, memory and ventilation functions**



- **Heated outer rear seats**
- Second row of seats foldable in 40:20:40 split
- Capless fuel filler – fast, easy, clean
- Sports Tourer: kicking motion opens and closes tailgate
- Sports Tourer: excellent view with optional 1,400 x 860 millimetre panorama sunroof that stretches back over rear passengers' heads

#### **Engines and transmissions:**

- High-volume engines with three to ten percent reduction in fuel consumption (according to WLTP)
- Newly designed, highly efficient turbo petrol engines: 1.5 Turbo with 103 kW/140 hp to 2.0 Turbo with 191 kW/260 hp and 400 Nm torque (Grand Sport fuel consumption in NEDC: urban 11.2-7.3 l/100 km, extra-urban 7.1-4.7 l/100 km, combined 8.6-5.7 l/100 km, 197-129 g/km CO<sub>2</sub>)
- Turbo diesel: 1.6-litre with 81 kW/110 hp to 2.0-litre with 125 kW/170 hp (Grand Sport fuel consumption in NEDC: urban 6.7-4.6 l/100 km, extra-urban 4.3-3.6 l/100 km, combined 5.2-4.0 l/100 km, 136-105 g/km CO<sub>2</sub>)
- New, highly efficient six-speed manual transmissions
- Friction-optimised, smooth-shifting eight-speed automatic transmission

<sup>1</sup> via Booking.com. E-mail address and credit card required.

<sup>2</sup> via Parkopedia



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New Opel Insignia Grand Sport and Sports Tourer: Summary

### **The Contenders: Dynamic, Spacious, Innovative and Sensibly Priced**

- In the style of the Monza Concept: Sporty elegance with top aerodynamics
- Fit flagship: Grand Sport up to 175, Sports Tourer up to 200 kilograms lighter
- Carries a load: Sports Tourer with over 130 litres more maximum load volume than predecessor
- Driving fun: Compelling driving dynamics, all-wheel drive with torque vectoring
- Glare-free view: Next-generation IntelliLux LED<sup>®</sup> matrix light
- Super safe: Lane Keep Assist, emergency braking, 360° camera
- Wellness factor: AGR-certified seats, heated rear seats and windscreen
- Top service: IntelliLink infotainment and Opel OnStar with expanded services
- First-class price-performance ratio: Pricing Ireland TBC

Rüsselsheim. The all-new Opel Insignia is in extremely good shape. It has the sporty elegance of a large coupé, its completely new architecture makes it uncompromisingly spacious and truly fun to drive, and it offers exemplary safety and comfort features just as a true flagship should. Not only does the second-generation Insignia impress with its breathtaking lines on the outside and great wellness atmosphere on the inside, it also provides the widest range of intelligent technologies reaching from the trendsetting Opel IntelliLux LED<sup>®</sup> matrix headlights and the very sophisticated all-wheel drive system with torque vectoring to ultra-modern driver assistance systems and a refined head up display. In addition, the Insignia comes with Opel-typical first-class connectivity with smartphone integration which now offers a new Opel OnStar feature – the Personal Assistant which allows Insignia occupants to book hotel rooms<sup>1</sup> and search for parking<sup>2</sup> via an OnStar Advisor. Overall, the new Insignia wows with high agility and driving precision, more space

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<sup>1</sup> Via booking.com. E-mail address and credit card required.

<sup>2</sup> Via Parkopedia



and a superb price-performance ratio that now more than ever make it a contender to be reckoned with, even for premium brand models.

For the first time at Opel, the new Insignia generation is available with an intelligent all-wheel drive with torque vectoring – power transmission to individual wheels – eight-speed automatic transmission, and a 360° camera. Together with new generation turbo engines, up to 200 kilograms less weight (depending on the variant) and a lower seating position, the new Insignia Grand Sport and Sports Tourer are more agile than ever before and give the driver an extraordinarily direct and rewarding driving experience. Equipped with many assistance systems of the latest generation, the new Insignia does not only care about the safety of its occupants: it is the first Opel with an active aluminum hood which, in case of a collision with a pedestrian, lifts in milliseconds to increase clearance with the hard engine parts, thus improving protection considerably.

“Opel lands a major coup with the new Insignia generation. Our flagship is filled with high-tech for everyone; with affordable technologies that make driving safer and more comfortable. No other car in the Insignia class can boast as many ultra-modern technologies. We made it light, agile and fantastic to drive. And our designers gave the Grand Sport and Sports Tourer an exceptional combination of elegance and athleticism that even cars from upper classes will envy,” said Opel CEO Dr. Karl-Thomas Neumann.

The newcomer is in the ideal position to even top the first Insignia generation’s success: the “Car of the Year 2009” was sold 900,000 times. The new Opel Insignia Grand Sport and Sports Tourer recently displayed their qualities publicly for the first time when they made their premiere at the Geneva Motor Show.

### **Pure Emotion: Design inspired by Monza Concept**

The much-admired Monza Concept was the inspiration behind the interior and exterior design of the Insignia Grand Sport and Sports Tourer – after all, the mission was to make the new Opel flagship look as upscale and athletic as the concept car.

The results are convincing. The **Insignia Grand Sport** looks as lithe as it is light. The new generation weighs up to 175 kilograms less; the new Sports Tourer is even up to 200



kilograms lighter. While the wheelbase of its completely new architecture has been elongated by 92 millimetres to 2,829 millimetres, the Insignia Grand Sport's overhangs have been sensibly reduced and its tracks widened by 11 millimetres. A 29-millimetre lower, sweeping roofline, prominent grille with slim-line headlamps and rear end high-tech look add to the Insignia's design drama, giving it an athletic and elegant silhouette reminiscent of a four-door coupé. The new Grand Sport is as sleek as it looks: it has an exemplary drag factor of 0.26 making it one of the most aerodynamic vehicles in its class.

The new Insignia Grand Sport already takes many cues from the athletic Monza Concept but this is taken even further in the **Insignia Sports Tourer**. The newcomer looks much more athletic and agile. Its stance is also emphasised by the longer wheelbase, the reduced front overhang and the increased front and rear track. The Opel blade starting in the front door and sweeping towards the rear helps carry the eye from front to back. Directly inspired by one of the most iconic design cues of the Monza Concept, the chrome window blade dynamically flows into the LED tail lamps and visually lowers the only 1,500 millimetre tall Insignia Sports Tourer, giving it an even more athletic appearance. The silver roof rails (standard in all equipment levels) emphasise the high-quality design.

### **Pleasantly practical: Interior with wellness guarantee**

The attention to the smallest detail is also tangible inside the new Insignia. Like the exterior, the cockpit clearly reflects Opel's design philosophy "sculptural artistry meets German precision". The driver sits lower than previously and is therefore better integrated into the car, getting a sportier, more engaging and intense driving experience. Much attention has been paid to the controls and the infotainment interface. While the head up display enhances the digital character of the instrumentation, the frameless touchscreen of the IntelliLink system exudes a sophisticated and technical character. Many functions are controlled via the touchscreen in order to simplify the interface. The centre stack area has been designed with three functional zones of controls (from top to bottom: infotainment / climate / assistance systems) to facilitate quick and intuitive operations.

Rear occupants also greatly benefit from the reworked proportions and enjoy more space. The Insignia Grand Sport trunk volume of 490 to 1,450 litres is quite impressive, while the new Sports Tourer offers a maximum of 1,665 litres – over 130 litres more than the



outgoing model. And an excellent view is available with the optional 1,400 x 860 millimetre panorama sunroof that stretches back over the rear passengers' heads.

The Sports Tourer features new practical details: in order to make loading as easy as possible, the **tailgate can be opened with a kick**, without touching the car. In combination with “**Keyless Open & Start**” a simple small kicking motion under the rear bumper is enough to open the tailgate and a further kicking motion under the bumper will close it. The clever system can detect any obstruction and stops the mechanism in case of emergency. Then there is the fuel filler cap detail: Opel engineers decided to forgo the customary twist-off cap in the new Insignia generation. Now refueling is easier, faster and above all clean.

### **Propulsion technologies that increase driving pleasure**

The new Insignia is as dynamic to drive as it looks. It is available with a wide range of efficient latest-generation turbocharged engines and transmissions at its launch. They have been designed to provide excellent real-life fuel efficiency and low fuel costs. Tests conducted under the WLTP driving cycle (Worldwide Harmonised Light-Duty Vehicles Test Procedure which, compared with the currently applicable NEDC, is more representative of real driving behaviour) show that the fuel consumption of the volume engines available for the new Insignia (Petrol: 1.5-litre Turbo; Diesel: 1.6-litre) is down by between 3 and 10% compared to the equivalent outgoing variants,

The engine portfolio starts with a newly designed extremely efficient petrol unit, the **1.5-litre Turbo** with 103 kW/140 hp and 121 kW/165 hp (NEDC fuel consumption Grand Sport: urban 7.3 l/100 km, extra-urban 4.8-4.7 l/100 km, combined 5.7 l/100 km; 130-129 g/km CO<sub>2</sub>); NEDC fuel consumption Sports Tourer urban 7.7-7.5 l/100 km, extra-urban 5.3-4.8 l/100 km, combined 6.2-5.8 l/100 km, 141-132 g/km CO<sub>2</sub>). A further highlight is the top-of-the-range petrol engine for the new Insignia.

The **2.0-litre Turbo** delivers 191 kW/260 hp and maximum torque of 400 Nm (NEDC fuel consumption Grand Sport: urban 11.2 l/100 km, extra-urban 7.1 l/100 km, combined 8.6 l/100 km; 197 g/km CO<sub>2</sub>; NEDC fuel consumption Sports Tourer urban 11.5 l/100 km, extra-urban 7.1 l/100 km, combined 8.7 l/100 km, 199 g/km CO<sub>2</sub>). The 2.0-litre, four-cylinder unit comes in combination with the completely new **eight-speed automatic transmission**,



which shifts smoothly, and a highly sophisticated **all-wheel drive system with [torque vectoring](#)** – a unique feature in the midsize segment. On this high-tech all-wheel drive system, two multi-plate clutches replace a conventional rear axle differential and can accelerate the wheels individually in a split-second depending on the driving situation.

The propulsion offering for the Grand Sport is rounded off by the new **six-speed manual transmission** for the popular **1.6-litre diesel engines** with outputs of 81 kW/110 hp and 100 kW/136 hp (NEDC fuel consumption Grand Sport: urban 5.1-4.6 l/100 km, extra-urban 3.9-3.6 l/100 km, combined 4.3-4.0 l/100 km; 114-105 g/km CO<sub>2</sub>). Above this comes the refined **2.0-litre diesel**, which will also be available for the Sports Tourer at launch, with **125 kW/170 hp** (NEDC fuel consumption Grand Sport: urban 6.7 l/100 km, extra-urban 4.3 l/100 km, combined 5.2 l/100 km; 136 g/km CO<sub>2</sub>; NEDC fuel consumption Sports Tourer urban 6.9 l/100 km, extra-urban 4.3 l/100 km, combined 5.3 l/100 km, 139 g/km CO<sub>2</sub>). A wider selection of diesel engines will be available for the Sports Tourer variant soon.

### **Safety first: Outstanding assistance systems**

The new Insignia not only impresses with a state-of-the-art propulsion technology but also with ultra-modern assistance and comfort features. No other model in the segment offers such a wide range of intelligent technologies as the new edition of the Opel flagship.

One of the highlights in every sense of the word is the second generation of Opel's innovative and award-winning adaptive **IntelliLux LED<sup>®</sup> matrix light**, with 32 LED segments – twice as many as in the Astra – taking over the high beam function. The increased number of LED segments enables the various light patterns to adapt to the prevailing traffic situation even more precisely and the transitions are faster and more seamless. To improve visibility even further while driving through curves on full high beam, Opel engineers added an innovative active curve lighting function to the new Insignia's IntelliLux LED<sup>®</sup> matrix headlights. Last but not least, a further, dedicated LED spotlight located within the low beam module provides additional illumination at full high-beam for up to 400 metres.



Additional driver assistance systems:

- **Head up display** projects information such as speed, traffic signs, set speed of speed limiter and adaptive cruise control or navigation direction onto the windscreen in the driver's direct line of sight.
- **360° camera** consists of four individual cameras, one on each side of the car, enabling a 360-degree bird's-eye view and thus facilitating parking and low speed driving maneuvers.
- **Adaptive Cruise Control (ACC) with automatic emergency braking** uses a radar sensor to measure the distance to the vehicle in front, adapts speed accordingly and initiates automatic emergency braking if necessary.
- **Lane Keep Assist with automated steering correction.** If the system registers that the car is unintentionally drifting out of its lane, it shows this on the display and actively counteracts it by providing gentle steering wheel movements.
- **Rear Cross Traffic Alert.** The system uses radar sensors in the rear bumper to detect objects coming from up to 20 metres at 90 degrees from the left or right side behind the vehicle when reversing out of a parking spot.

### **First-class: Top-level comfort and infotainment**

The new Insignia generation also set standards in comfort. The best example: the premium ergonomic seats of the new generation certified by "Aktion Gesunder Rücken" (Campaign for Healthier Backs). They offer a unique combination of electric side bolster settings, **massage, memory and ventilation functions** in addition to the multiple standard adjustment possibilities. Passengers in the second row can also look forward to more comfort, because like the driver and front passenger seats, the two outer rear seats are also available with seat heating. The heated windscreen guarantees good visibility quickly on cold winter days while the heated steering wheel keeps the driver's hands comfortably warm.

Great entertainment and outstanding connectivity – both typical for Opel – are ensured by the latest Apple CarPlay and Android Auto compatible IntelliLink systems. And while the smartphone is seamlessly integrated into the vehicle's infotainment it now can also be charged wirelessly. Naturally, the groundbreaking 24/7 connectivity and service assistant



Opel OnStar is also on board, offering services ranging from Automatic Crash Response, Destination Download to Stolen Vehicle Assistance. Further Assistance services will be launched together with the Insignia, enabling its occupants to ask Opel OnStar advisors, for example, to book a hotel room or find a parking space. Furthermore, the 4G LTE Wi-Fi Hotspot featured in the OnStar system allows all Insignia occupants to connect their devices to the net.

The new Opel flagship will be launched in Ireland in June this year.

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New Insignia Grand Sport and Sports Tourer: Design & Package

### Elegance and Lightness: Eye-catcher Opel Insignia

- Insignia Grand Sport: Dynamic silhouette reminiscent of a large coupé
- Insignia Sports Tourer: Sporty lines inspired by Monza Concept
- Bold, agile, lots of fun: Insignia drives just like it looks
- Slimmed down: New generation up to 200 kilograms lighter
- Roominess: More interior space increases well-being for driver and passengers

Rüsselsheim. A completely new architecture, elongated wheelbase and captivating design: the new Insignia Grand Sport and Sports Tourer are real eye-catchers even before they take to the road. The “Grand Sport” name for the limousine already clearly conveys that the new Insignia is a true flagship with premium looks and feel. Its dynamic lines harbor a first-class interior. While Grand Sport and Sports Tourer drivers can look forward to a cockpit perfectly tailored to their needs, especially rear-seat passengers will enjoy more roominess and experience a completely new sense of space.

### Pure emotion: Design inspired by Monza Concept

The much-admired Monza Concept was the inspiration behind the interior and exterior design of the new Insignia Grand Sport: the Monza model was standing there on site while designers were creating Opel’s new flagship. Their mission was to make the new Insignia look as upscale and athletic as the concept car.

The result speaks for itself. The Insignia Grand Sport looks as lithe as it is light. Despite a marginal growth in length of 55 millimetres to 4,897 millimetres compared to its predecessor, it has managed to shed around 60 kilograms of weight from its body in white



alone. In total, the new generation weighs up to 175 kilograms less and the Sports Tourer even up to 200 kilograms less than the outgoing model. While the wheelbase of its completely new architecture has been elongated by 92 millimetres to 2,829 millimetres, its front and rear overhangs have been sensibly reduced and its tracks widened by 11 millimetres. A 29-millimetre lower, sweeping roofline adds to the Insignia's design drama, with its athletic and elegant silhouette reminiscent of a four-door coupé.

The prominent grille and the slim-line headlamps directly inspired by the Monza Concept enhance the wide horizontal gesture of the front end and provide it with a bold appearance. The grille sits lower than on the outgoing model and further emphasizes the solid stance. The side window graphics with an upper chrome strip, rather than a full-chrome treatment, and the coupé-like roofline graphically pull the car down and emphasize its stretched appearance. The "blade" light catcher in the lower doors pulls attention rearwards. The new Insignia Grand Sport is as sleek as it looks: it has an exemplary drag factor of 0.26 making it one of the most aerodynamic vehicles in its class.

At the rear, clear and simple lines combined with the slim, precise double-wing LED signature also give the car a wider appearance. The newly designed centre high-mounted LED stop lamp has been integrated into the roofline, giving the rear end a more high-tech look.

"In its proportions as well as in each detail, we wanted the new Insignia Grand Sport to deliver an upscale quality feel," said Mark Adams, Vice President Design Europe. "Its design combines flowing lines and subtle surfaces with crisp, precise lines to even exaggerate its dramatic proportions: it looks longer, lower and wider than it actually is, and it definitely looks upscale. Every design feature conveys technical know-how and utmost precision. The new Insignia is an excellent value proposition with the aura of a car from the premium, upper class."

### **The study becomes reality: The elegant, practical Insignia Sports Tourer**

The new Insignia Grand Sport already takes many cues from the athletic Monza Concept but this is taken even further in the new generation Insignia Sports Tourer. Although the exterior dimensions have grown slightly to 4,986 millimetres, the newcomer looks much



more athletic and agile. The 11-millimetre wider track, the prominent grille and the Monza Concept-inspired headlights all add to this perception. The car's stance is also emphasized by the wheelbase, which has been extended by 92 millimetres to 2,829 millimeters, and a front overhang that has been reduced by 30 millimetres. The Opel blade starting in the front door and sweeping towards the rear helps carry the eye from front to back. The chrome window blade dynamically flows into the LED tail lamps and gives the 'low', only 1,500 millimetre tall Insignia Sports Tourer an even more athletic appearance. The silver roof rails (standard in all equipment levels) visually stretch the car, make it look lower and emphasize the high-quality design.

The Insignia Sports Tourer's kinship with the Monza Concept is especially apparent at the rear: the shape looks much lighter than before, with the newcomer defined by clear lines. Together with the slim, slightly protruding LED taillights in double-wing design, they help the rear end of the Opel flagship to make a strong impression. The high-tech look of the Monza Concept thus becomes reality in the Insignia Sports Tourer.

#### **Attention to detail: Top comfort and craftsmanship in interior**

The attention to the smallest detail is also tangible inside the Grand Sport and Sports Tourer. The cockpit clearly reflects Opel's design philosophy "sculptural artistry meets German precision". The instrument panel features subtly sculptured surfaces, a distinct driver orientation, and a wide horizontal layout. The overall design clearly reflects a feeling of efficiency, precision and spaciousness. Rear occupants greatly benefit from the new design and the reworked proportions. The extended wheelbase and a completely new package give them 32 millimetres more room at hip height (Sports Tourer: 27 millimeters), 25 millimetres more shoulder and knee room and 8 millimetres more headroom (Sports Tourer: 31 millimetres). The Insignia Grand Sport trunk volume of 490 to 1,450 litres is also quite impressive, while the new Sports Tourer offers a maximum of 1,665 litres – over 130 litres more than the outgoing model. Top comfort is available with the optional 1,400 x 860 millimetre panorama sunroof that stretches back over the rear passengers' heads.

The cockpit of both the sedan and station wagon is fully aligned to the driver, who sits three centimetres lower than previously in the Grand Sport and is therefore better integrated into the car, getting a sportier, more engaging and intense driving experience.



The generous centre console embraces the driver, providing the feeling of sitting in an upper class car. Clean lines, sculptural surfaces and first-class craftsmanship with soft feel, premium material in all touch zones also contribute to a great feeling of wellness and elegance. The overall experience is intuitive and elegant in its simplicity.

Much attention has been paid to the controls and the infotainment interface. The frameless touchscreen of the IntelliLink system exudes a sophisticated and technical character. Many functions are controlled via the touchscreen in order to simplify the interface, while three functional zones of controls have been designed to allow quick and intuitive operations: the upper ones for the major functions of the infotainment system, the central ones for climate and heating controls, the lower ones for driver assistant controls. This very clear set-up keeps drivers and passengers from having to dive into sub-menus on the touchscreen to find the most essential functions.

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New Insignia Grand Sport and Sports Tourer: IntelliLux LED® and Assistance Systems

### On the Safe Side: Driving with IntelliLux LED® and Co.

- Precise and glare-free: Matrix light turns night into day with 32 LED segments
- New functions: Additional spotlight and curve illumination
- Top protection: Lane Keep Assist, automatic emergency braking and more
- Everything in view: Head up display, 360-degree camera and Rear Cross Traffic Alert

Rüsselsheim. The new Opel Insignia is elegant, sporty, practical – and it is above all safe. From the highly-praised adaptive LED matrix light system in the Astra, Opel engineers developed the next-generation IntelliLux LED® matrix light for the new Insignia Grand Sport and Sports Tourer – faster, more precise and powerful, with a high-beam range up to 400 metres. Features such as active Lane Keep Assist with automatic steering correction, Adaptive Cruise Control with automatic emergency braking, the new head up display and 360° camera further increase safety for the driver, passengers and all other road users. Additional radar and camera-based assistance systems complete the portfolio of electronic helpers. No other car in this class has as many state-of-the-art technologies on board as the new Insignia.

These even extend to those who aren't sitting in the new Insignia. It is the first Opel with an active hood, which substantially improves pedestrian protection. In the event of an accident with a pedestrian, the aluminum hood lifts up in milliseconds to increase the distance to the hard engine block parts.

### Highlight: Next-generation IntelliLux LED®

The next-generation IntelliLux LED® matrix light turns a vision into reality: when Opel revealed the visionary Monza Concept at the 2013 IAA and CEO Dr. Karl-Thomas



Neumann announced it showed what could be expected of Opel cars in the future, the company's exterior lighting experts knew they had their work cut out for them. They were just putting the finishing touches on the adaptive IntelliLux LED<sup>®</sup> matrix headlights of the new Opel Astra, which consist of 16 LED segments that automatically and constantly adapt the range and distribution of the light beam to every traffic situation. As they admired the show-stopping Monza Concept and its visionary design, Opel's lighting experts also wondered just how they were going to fit their innovative matrix lighting technology for the next-generation Insignia into ultra-slim headlamps.

Tailwind for Opel's lighting experts – to the advantage of Insignia customers: LED development proceeds as fast as light. During the Astra's development, LEDs had become even more compact and powerful, and Opel's engineers used the significantly higher performance to accommodate twice as many LED segments (32) in the new Insignia's Monza Concept-inspired headlights as in the Astra.

### **Faster, more precise, further: How IntelliLux LED<sup>®</sup> works in the Insignia**

The result is impressive: not only are the headlamps more elegant, thanks to the smoother transitions between the higher number of LED segments, the light patterns can be more precisely adapted. The adaptive IntelliLux LED<sup>®</sup> matrix headlights of the new Insignia therefore produce a larger amount of even brighter light.

“From the Astra we know how much customers appreciate the benefits of IntelliLux LED<sup>®</sup> matrix headlights,” says Ingolf Schneider, Engineering Group Manager Exterior Lighting. “We are bringing the even more advanced second generation of this innovative technology onto the market in the all-new Insignia, with additional new functions that further improve visibility at night.”

To improve visibility even further while driving through curves on full high beam, the engineers added a new function to the new Insignia's IntelliLux LED<sup>®</sup> matrix headlights. The light intensity at the inner matrix segments rises according to steering angle in order to increase the illumination of the curve. Each IntelliLux LED<sup>®</sup> headlight also features a high-beam spotlight that provides additional illumination at full high-beam for up to 400 metres, further improving long-range visibility for drivers of the new Insignia.



Despite the futuristic DNA from the visionary Monza Concept, the adaptive IntelliLux LED<sup>®</sup> matrix headlights of the new Opel Insignia could not be simpler to operate: as soon as the car exits urban areas, the IntelliLux LED<sup>®</sup> headlights switch themselves on automatically and then constantly adapt the range and distribution of the light beam to every traffic situation, whether driving in town, on country roads, on the highway, making a turn or taking a curve. The state-of-the-art system literally turns night into day for drivers and passengers in the new Opel Insignia – without dazzling other road users.

### **This is how safety works: Top-class assistance systems**

In addition, the new Insignia impresses with many more ultra-modern assistance systems. No other car in this class can boast such a wide range of intelligent technologies as the new generation of the Opel flagship.

New driver assistance systems features include:

- **Head up display:** Information such as speed, traffic signs, set speed of speed limiter and adaptive cruise control along with navigation direction is projected onto the windscreen. Drivers have everything in their direct line of sight, ensuring that they keep their eyes on the road.
- **Adaptive Cruise Control (ACC) with automatic emergency braking:** Uses a camera and radar sensors to measure the distance to the vehicle ahead and adapt the speed accordingly. If the distance decreases abruptly when the driver ahead suddenly brakes, red LEDs in the windscreen/head up display light up and an audible warning sounds. At the same time, ACC initiates automatic emergency braking – faster than a person could normally react.
- **Lane Keep Assist with automatic steering correction:** Driving always requires undivided attention, but if the system registers that the car is unintentionally drifting out of its lane, it also provides gentle steering wheel movements to counteract this and shows this on the display when the car is travelling at speeds between 60 and 180 km/h.



This is complemented by assistance systems that provide the Insignia driver with excellent all-round visibility, so their strengths really come into play in urban driving:

- For the first time at Opel, the **360° camera**: It consists of four individual cameras, one on each side of the car. The combined system enables an optional 360-degree bird's-eye view, facilitating every parking and low speed driving manoeuvre. The driver can thus keep everything in view over the IntelliLink display in the centre console – no uncomfortable neck-craning necessary.
- **Rear View Camera**: Shows the area behind the vehicle on the IntelliLink touchscreen as soon as reverse gear is engaged. Dynamic guidelines based on the steering wheel angle are shown on the display and facilitate accurate reversing into a parking space.
- **Rear Cross Traffic Alert**. The system uses radar sensors in the rear bumper to detect objects coming from up to 20 metres at 90 degrees from the left or right side behind the vehicle, a very useful function when reversing out of a parking spot with limited visibility.
- **Advanced Park Assist**: Ultrasound sensors on the Insignia's front and rear bumpers identify suitable parking spaces and detect possible obstacles. When the parking spot is detected, the system automatically parks the vehicle without the driver touching the wheel. The driver just controls the pedals and gear shifting. Vehicles with automatic transmission even offer braking assist at the limit of the parking spot.

A host of further radar and camera-based automatic assistants complete the portfolio and make driving in the new Insignia even safer. These include established systems such as:

- **Lane Change Alert** comes with **Side Blind Zone Alert**. Rearward directed radar sensors cover a range up to 70 metres behind the left and right exterior mirrors, alerting the driver to road users approaching in the adjacent lanes. In this way, the system prevents impending collisions if a driver tries to change lanes into oncoming traffic.
- **Following Distance Indication** in central information display: Uses the front camera or the front radar to detect moving vehicles on the road ahead and calculate the distance to them in seconds, which is more helpful to drivers for their assessment than a metre indication. A stylised green car symbolises the vehicle in front. If the distance is insufficient, the distance warning is activated and the symbol turns amber.



- **Forward Collision Alert:** Assists drivers in avoiding or mitigating the impact of front-end collisions with situation-dependent emergency braking settings. If the Insignia nears the vehicle ahead too quickly, the system warns the driver with a loud audible alarm, a visual warning in the instrument cluster and an LED projection on the windscreen. The driver can choose between 'near' 'mid' or 'far' settings.
- **Traffic Sign Assist:** This newest-generation TSA can detect and display round traffic signs such as speed limits and derestrictions as well as many rectangular signs. The system processes data provided by the front camera as well as map data provided by the optional navigation system. Speed limits are also visible in the head up display if it is on board.

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## Media Information

March 2017

New Insignia Grand Sport and Sports Tourer: Connectivity and Infotainment

### Services, Smartphones, Sound: Flagship Connectivity for new Opel Insignia

- Personal Assistant: New OnStar services facilitate hotel booking and parking
- IntelliLink infotainment: Apple CarPlay and Android Auto phone integration
- Feel the rhythm: Bose sound system for more audio pleasure

Rüsselsheim. Ever been frantically driving around a city looking for a suitable hotel room because you could not book in advance? Ever wanted to attend a concert or take in a football match without knowing where you should park your car? Both situations are known to most drivers and are now a thing of the past thanks to brand new services offered by Opel OnStar that will become available with the launch of the new Insignia. The enhanced assistance offers subscribers the chance to book a hotel room at a touch of the blue OnStar button<sup>1</sup>. In addition, the frustrating search for a car park can also be eliminated by asking the OnStar advisor to find the nearest available car park and subsequently send the location to the navigation system<sup>2</sup>. These two new services compliment the already impressive offering proposed by Opel OnStar, which includes a powerful 4G/LTE Wi-Fi Hotspot, destination download, roadside assistance and automatic crash response<sup>3</sup> to name but a few. In the new Insignia, the OnStar services are combined with two latest generation IntelliLink infotainment systems with seamless smartphone integration and a new Bose sound system with eight high-performance speakers to ensure that Opel's new

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<sup>1</sup> via Booking.com. E-mail address and credit card required.

<sup>2</sup> via Parkopedia.

<sup>3</sup> OnStar Services require activation and account with OnStar Europe Ltd. Wi-Fi Hotspot Services require account with nominated network operator. Charges apply after expiry of applicable trial periods. All services subject to mobile network coverage and availability. Check [LOCAL SITE] for service limitations and charges.



flagship not only looks good but also offers clever, affordable and high-tech connectivity and infotainment solutions.

### **Opel OnStar: Powerful mobile Wi-Fi Hotspot and comprehensive services**

Ever since its launch in the summer of 2015, Opel OnStar has been capturing the headlines thanks to its wide range of services that not only make driving more comfortable but also safer. OnStar subscribers are always fully connected thanks to the powerful 4G/LTE Wi-Fi Hotspot to which they can connect all of their mobile devices. In addition, they have access to convenient services such as vehicle diagnostics and destination download. For instance, OnStar subscribers looking for a certain destination such as a restaurant or the closest fuel station press the blue Opel OnStar button to contact an advisor who will send the desired destination directly to the optional navigation system embedded in the vehicle. The established OnStar services have already resulted in 9 million customer interactions in under 24 months.

Given the success of these services, Opel has decided to extend the service portfolio offered by OnStar by two new features that will make their debut with the launch of the new Insignia. The first new addition to the line-up will eliminate the worry of having to frantically drive around a town in the search for a suitable hotel to spend the night. Thanks to OnStar's new Personal Assistant service, subscribers can now contact OnStar by pressing the blue button and ask the advisor to recommend a hotel in the desired price category and location and even proceed to booking a room at the chosen establishment. This will be done via booking.com – a company with a proven record of accomplishment spanning more than two decades in the accommodation booking industry.

In addition, OnStar will offer a second new service to reduce the stress often associated with the search for a suitable car park. OnStar users can contact an advisor for directions to the most suitable parking lot and have the exact location sent to the navigation system. This will be done via Parkopedia, a key parking services provider.

### **Phone integration via Android Auto and Apple CarPlay**



Opel's solutions for seamless smartphone integration in the new Insignia are just as clever as the two new comfort services offered by OnStar. Both infotainment systems available for Opel's second-generation flagship, R 4.0 IntelliLink and Navi 900 IntelliLink, are, depending on the end device compatible with Apple CarPlay and Android Auto, bringing the world of smartphones into the car. This allows Apple users to make calls, start navigation directions to a destination with Apple Maps, send and receive messages and listen to music via Spotify right from the touchscreen or by voice via Siri. A full list of Apple CarPlay apps can be found at [apple.com/ios/carplay](https://apple.com/ios/carplay). Android Auto is built around Google Maps, Google Now and the ability to talk to Google, as well as a growing audio and messaging app ecosystem. A full list of supported apps is available at [android.com/auto](https://android.com/auto). If Opel OnStar is on board, smartphones can also connect to the car's powerful 4G/LTE Wi-Fi Hotspot<sup>4</sup> – for example for flawless online audio streaming.

The standard R 4.0 IntelliLink system comes with the customary intuitive 7-inch colour touchscreen, whereas the optional Navi 900 IntelliLink solution with integrated navigation system comes with an 8-inch capacitive colour touchscreen. The Navi 900 IntelliLink map data covers all of Europe, and with Opel OnStar, destinations that come from the OnStar advisor or that are sent in advance via myOpel smartphone app can be downloaded directly to the navigation system.

Both systems come with Bluetooth® hands-free phone connectivity and audio streaming. Digital Audio Broadcast DAB+ enabling better radio selection and reception is also available as an option. In addition, Navi 900 IntelliLink not only offers an integrated navigation solution but also a high level of personalisation – the home screen can be tailored according to customer preferences. Based on its favourites concept, users can adapt the infotainment system to their individual needs. Up to 60 favourites including radio stations, phone contacts, playlists, navigation destinations, etc. can be stored.

### **Sumptuous Sound and complementary details**

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<sup>4</sup> The Wi-Fi Hotspot requires a contract with the network operator cooperating with OnStar. The Wi-Fi Hotspot is subject to a charge at the end of the test period. Please visit [www.opel.de/onstar](http://www.opel.de/onstar) for details.



Insignia owners can increase their in-car listening experience even further by choosing the optional Bose® sound system. The Opel acoustic engineers have worked closely with their Bose counterparts to ensure that the system delivers the sound that the artist intended when composing the respective piece. To achieve the impressive sound, the system makes full use of the available space in the car by utilising eight high-quality speakers – one 9.0-cm Twiddler® (mid-high-range speaker) in the centre of the instrument panel, two 2.5-cm tweeters in the side-view mirror panels, two 16.5-cm low-mid-range speakers in the front doors, two 13-cm wide-range speakers in the rear doors and one 13.0-cm Richbass™ woofer in a 9.6-litre custom-engineered bass enclosure below the cargo area. These are all connected to the digital amplifier with Bose Digital Signal Processing, which delivers 7 channels of customised equalisation and Active Sound Management.

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## Media Information

March 2017

New Insignia Grand Sport and Sports Tourer: Comfort, Roominess & Versatility

### Comfort Can be so Attractive: Wellness in the New Opel Insignia

- Warming: Heated, heated steering wheel, heated front and outer rear seats
- Comfortable: Premium ergonomic seats with massage, ventilation and memory functions
- Noticeable: More space in second row for relaxing travel
- Flexible: 40:20:40 foldable rear seats, Sports Tourer with FlexOrganiser Pack
- Practical: Kick-activated tailgate in Sports Tourer and capless fuel filler

Rüsselsheim. The new Opel Insignia offers a wide range of ultra-modern technologies that make driving safer and are unrivalled in this class. But the new Insignia makes travelling on four wheels above all one thing: more relaxing. While the intelligent driver assistance systems play a major role in this, the big difference is the equipment and lay-out of the Grand Sport and Sports Tourer. The wellness repertoire includes AGR-certified (Campaign for Healthier Backs) premium ergonomic seats for driver and front passenger as well as heated seats in the second row, a novelty in the Insignia. The heated windscreen ensures good visibility on cold days.

The new Opel flagship's interior also promises excellent comfort, with occupants benefitting from noticeably more space. The Grand Sport and Sports Tourer are also extremely flexible, for instance with a three-way, 40:20:40 split foldable rear seat. This increases maximum load volume in the Sports Tourer to up to 1,665 litres – over 130 litres more than the outgoing model. The new generation is also very practical: the tailgate of the Insignia Sports Tourer can be opened and closed by making a kicking motion under the rear bumper; the optional FlexOrganiser Pack ensures all cargo in the trunk is stored safely and tidily. And fueling the new Insignia is simple, clean and quick thanks to a capless fuel filler.



## **More than heart-warming: New Insignia keeps cold at bay**

There is no reason to fear the chill of autumn or winter when you drive or ride as passenger in the new Opel flagship. The Opel Insignia Grand Sport and Sports Tourer feature an array of protective measures against the cold – all the way to an optional, factory-fitted remote controlled stationary heater. The network of heated elements in the new Insignia includes the exterior mirrors, front seats, rear window, steering wheel, outer rear seats and **windscreen**. The windscreen is defrosted silently and comfortably at the push of a button, by a fine wire heating element. The heated windscreen also prevents fogging in humid conditions, further improving visibility and safety.

The new Insignia provides drivers and passengers with many more ways to keep warm. Drivers can enjoy the luxury of a heated steering wheel, while seat heating is available not only for the driver and front passenger, but also for the **occupants of the outer rear seating positions**. In the front, the heating is adjustable, and with the automatic seat heating option it can even be controlled via the personalisation menu in the information display.

The ultimate in wellness as well as warmth are the 18-way adjustable and ergonomically certified AGR premium front seats. Opel remains one of the few automakers that offers the AGR seats and who has democratised their availability. In addition to numerous adjustment options, the premium ergonomic front seats in the new Insignia offer a unique combination of electric side bolster settings, massage, memory and ventilation functions. Heated in winter, ventilated in summer – Insignia drivers are comfortable in their premium seats regardless of the season or temperature.

Another highlight is the optional **stationary heater** for the new Insignia. In contrast to customary practice at some competitors, Opel does not offer this useful feature as a retrofit extra, but rather as a comfortable and clean factory-fitted fixture. Thanks to a remote control timer and corresponding sensors, the Opel flagship welcomes its occupants on cold mornings with the pre-selected temperature – the cabin is cosy and warm, the windows are de-iced and the engine is warmed up. Entering the car is also easy and comfortable thanks to the **Keyless Open and Start** feature standard in all trim levels.



### **Enjoy space: Insignia Grand Sport and Sports Tourer interior**

The new Insignia cabin welcomes driver and passengers with clean, crisp surfaces that are pleasant to the touch while also boasting a spacious lay-out. Rear occupants greatly benefit from the new design and the reworked proportions. The extended wheelbase and a completely new package give them 32 millimetres more room at hip height (Sports Tourer: 27 millimetres), 25 millimetres more shoulder and knee room and 8 millimetres more headroom (Sports Tourer: 31 millimetres). This all increases comfort and wellness especially on long journeys. And everyone in the station wagon enjoys a superb view, as the glass of the optional 1,400 x 860 millimetre panorama sunroof stretches back over the rear passengers' heads, providing an unobstructed view skywards.

The new Insignia is also extremely flexible. To enlarge and divide the luggage compartment as needed, the second row of seats can be folded down in a 40:20:40 three-way split. Luggage compartment volume in the Insignia Grand Sport thus grows from 490 to a maximum of 1,450 litres. The new Sports Tourer even offers nearly 1,665 litres – over 130 litres more than the outgoing model. The rear seat bench can be folded down easily at the push of a button in the luggage compartment.

The new Insignia generation can take on even more. It features an array of practical storage spaces and compartments for everyday items in the cabin. The side pockets on the front doors hold bottles up to 1.5 litres, those in the rear up to 1-litre bottles. The illuminated glove compartment provides 5.5 litres of storage space and the armrest in the centre console a further 2.8 litres. Magazines and books can be stowed in the pockets on the back of the front seats. There are two beverage holders in the front console for driver and front passenger, while rear seat passengers can securely set two beverages down in the foldable centre armrest.

### **Easy loader: Insignia Sports Tourer tailgate with an extra kick**

The new Sports Tourer generation goes even further with practical details. The overhang between bumper and trunk is reduced, thanks to the neatly designed tailgate, which also makes loading easier. In addition, the width between the wheel arches has increased, which makes it easier to stow bulky items such as a large dog kennel. The same applies to



the length of the trunk, which has grown by 97 millimetres to 2,005 millimetres with the backs of the rear seats folded down.

In order to make loading as easy as possible, the **tailgate can be opened with a kick**, without touching the car. In combination with Keyless Open and Start a simple small kicking motion under the rear bumper is enough to open or close the tailgate (a vehicle silhouette projected onto the ground shows the correct area). The clever system can detect any obstruction and stops the mechanism in case of emergency. In addition, for practicability, the tailgate opening height can be programmed, in case the car is in a garage. Furthermore, the tailgate can still be opened by a switch on the driver's side of the car, a button at the rear or via the key's remote control. And the FlexOrganiser Pack with side rails, dividing nets and various fastening options is available as an option so that all loaded materials can be stored safely and tidily. The upward-opening trunk cover makes for even easier access to the trunk.

### **Capless fuel filler: The clean Insignia solution**

There is a slight difference regarding the fuel filler cap: it's "missing" on the new Insignia generation. But Opel engineers did not forget it, they decided to do without the customary twist-off cap. Now refueling is easier, faster and above all clean, and there is no need to twist off and tighten the cap by hand. When the fuel nozzle is inserted into the filler opening, it pushes aside two opening covers in the filler neck. The system also features an integrated misfuel inhibitor which ensures that the internal cover of the fuel filler neck can only be opened by using the proper fuel nozzle, so the Insignia with a diesel engine cannot accidentally be refueled with petrol; or vice versa. When the nozzle is removed, the covers automatically close.

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## Media Information

March, 2017

### **New Insignia Grand Sport** and Sports Tourer: Engines and Transmissions

#### **High Efficiency and Refinement**

- Highly efficient: High-volume engines with close-to-real-life WLTP driving cycle fuel savings of between three and ten percent
- Friction-optimised: Newly designed six-speed manual and eight-speed automatic transmissions
- Best traction: Torque vectoring 4x4 offers optimum dynamics, feel and handling in all situations

Rüsselsheim. The all-new Opel flagship, the second generation Insignia debuts with a wide range of highly efficient engines and friction-optimised transmissions designed to provide better efficiency and lower fuel costs. Fuel consumption of the expected volume engines available for the new Insignia (petrol: 1.5-litre Turbo; diesel: 1.6 CDTI) is down by three to ten percent compared with the equivalent outgoing models, according to the Worldwide Harmonised Light-Duty Vehicles Test Procedure (WLTP), which is more representative of real driving behavior than the currently applicable New European Driving Cycle (NEDC).

#### **High-tech: All-aluminum engines, eight-speed automatic**

The engine portfolio of the new Opel Insignia Grand Sport starts with a newly designed petrol unit, the **1.5-litre Turbo** available in two output levels. The new turbocharged four-cylinder unit with central direct injection belongs to the family of all-aluminum small displacement petrol engines notable for their performance, high efficiency and refinement. The entry-level version offers **103 kW/140 hp** (New European Driving Cycle fuel consumption Grand Sport: urban 7.3 l/100 km, extra-urban 4.7 l/100 km, combined 5.7



l/100 km; 129 g/km CO<sub>2</sub>) and impresses with strong torque of 250 Nm between 2,000 and 4,100 rpm.

The more powerful **121 kW/165 hp** version (NEDC fuel consumption Grand Sport: urban 7.3 l/100 km, extra-urban 4.8 l/100 km, combined 5.7 l/100 km; 130 g/km CO<sub>2</sub>) has all it takes to be the bestselling petrol engine available for the Insignia family. Compared to the already very efficient 1.6-litre Turbo (125 kW/170 hp) used in the outgoing model, the new state-of-the-art engine reduces consumption in accordance with the WLTP driving cycle on average by around another three percent. The 1.5-litre unit has the largest displacement of all the ultra-modern three and four-cylinder members of Opel's small petrol engine family. The new 1.5-litre high-tech four-cylinder also impresses with sharp throttle response and ample torque in every situation – two typical features of these units.

A further highlight is the top-of-the-range petrol engine for the new Insignia. The refined **2.0-litre Turbo** delivers **191 kW/260 hp** and maximum torque of 400 Nm between 3,000 and 4,000 rpm (NEDC fuel consumption Grand Sport: urban 11.2 l/100 km, extra-urban 7.1 l/100 km, combined 8.6 l/100 km; 197 g/km CO<sub>2</sub>). The 2.0-litre, four-cylinder unit comes in combination with the completely new smooth shifting eight-speed automatic transmission, which shifts smoothly, and a highly sophisticated all-wheel drive system with torque vectoring – a unique feature in the midsize segment.

The new eight-speed automatic adds a high-end transmission to the Opel portfolio. Compared to a six-speed automatic, the new eight-speed gearbox is even more responsive. Additional contributors to its outstanding performance include smart design packaging, which reduce its mass and dimensions compared with six-speed units.

### **All-wheel drive and torque vectoring: The best way to put high power onto the road**

The torque vectoring all-wheel drive system of the new Insignia features two electronically controlled multi-plate clutches that replace a conventional rear axle differential and can accelerate the wheels individually in a split-second, depending on the driving situation. When cornering, higher torque is sent to the outside rear wheel, inducing rotation around the vertical axis (yaw) – the Insignia turns in with more precision, responding more spontaneously to inputs from the driver. Torque vectoring also contributes to safety by



controlling the distribution of torque according to changes in throttle position, steering angle and road surface, damping the amount of yaw. This intelligent use of torque distribution – also known as “yaw damping” – results in neutral vehicle behaviour, making the car more stable and steerable for the driver. New Insignia drivers can choose the amount of yaw damping to suit their driving style by selecting the appropriate driving mode: from high yaw damping in “Tour” to low in “Sport”, for sportier vehicle behaviour.

“The new generation Opel Insignia sets new benchmarks for midsize automobiles” says William F. Bertagni, Vice President Vehicle Engineering Europe. “Torque vectoring represents the state-of-the-art in transmitting power to the road. The new Insignia with torque vectoring all-wheel drive matches the best in the industry when it comes to ‘fun-to-drive’.”

### **Diesel engines with outstanding real life fuel efficiency**

The propulsion offering is rounded off by the new six-speed manual transmission for the all-aluminum turbocharged **1.6-litre diesel engines** with outputs of **81 kW/110 hp** (NEDC fuel consumption Grand Sport: urban 4.6 l/100 km, extra-urban 3.6 l/100 km, combined 4.0 l/100 km; 105 g/km CO<sub>2</sub>) and **100 kW/136 hp** (NEDC fuel consumption Grand Sport: urban 5.1 l/100 km, extra-urban 3.9 l/100 km, combined 4.3 l/100 km; 114 g/km CO<sub>2</sub>). The technical highlights of the 136 hp engine include a low-emission combustion system, a fuel system allowing multiple injections, a water-cooled turbocharger with variable turbine geometry, controlled piston cooling jets, a switchable water pump and variable displacement oil pump. The new combination of friction-optimised manual transmission and refined, very smoothly running 1.6 CDTI with 81 kW/110 hp results in average fuel savings in the WLTP driving cycle of ten percent compared to the outgoing model.

In addition, Opel will offer the popular **2.0-litre diesel** with **125 kW/170 hp** (NEDC fuel consumption Grand Sport: urban 6.7 l/100 km, extra-urban 4.3 l/100 km, combined 5.2 l/100 km; 136 g/km CO<sub>2</sub>).

With its efficient engines, refined transmissions and high-tech such as torque vectoring all-wheel drive, the new Insignia is a strong challenger even for premium brand models.



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## Media Information

March, 2017

### New Insignia Continues Opel Flagship Tradition

- Luxury layout: Long wheelbase for spacious, comfortable, richly equipped interior
- Flagship features: Eight-speed automatic, torque vectoring 4x4, matrix lights
- “Big Three” DNA: New Insignia inherits genes of Kapitän, Admiral and Diplomat

Rüsselsheim. In the nineteen sixties and seventies, the Kapitän, Admiral and Diplomat models (the KAD series) defined Opel’s top-of-the-line portfolio. “The Big Three”, as they were known, entered the market in March 1964, featuring impressive design and bodywork that stretched to a commanding overall length of 4.95 metres and a width of 1.90 metres. The Kapitän, Admiral and Diplomat set new standards at the top end of the market, particularly in terms of comfort, safety and technology. The new Insignia Grand Sport sedan and Sports Tourer wagon have inherited the DNA of their predecessors and continue the proud tradition of Opel flagships.

The long wheelbase of the new Insignia enables an especially spacious, comfortable and richly equipped interior that offers AGR-certified premium seats, front and rear seat heating, the latest generation IntelliLink infotainment systems and the personal connectivity and service assistant, Opel OnStar. With the launch of the new Insignia, Opel OnStar is introducing an additional service that offers assistance with booking a hotel room or finding a parking space.

In addition to caring for its occupants and offering more high tech than any other car in its class, the second generation Insignia demonstrates consideration for the safety of other road users as well. For example, Opel’s new flagship is the first car from the Rüsselsheim brand to provide the significantly improved pedestrian protection of an active hood which, in case of a collision, rises within milliseconds to increase clearance from components in the engine compartment.



True to the tradition of “The Big Three”, which at the time set engineering benchmarks with their advanced fuel-injected engines and sophisticated De Dion rear suspension, the new Insignia also offers a host of top technologies that make it rewarding as well as luxuriously relaxing to drive. Examples include the highly efficient eight-speed automatic transmission with class-leading shifting comfort; the intelligent all-wheel drive system with torque vectoring, which is the most sophisticated in this class; and – building on the highly acclaimed matrix lighting system of the Astra – second generation IntelliLux LED® adaptive headlights, which are even faster, more precise and more powerful, with a high beam range of up to 400 metres.

The Kapitän, Admiral and Diplomat established Opel’s ambitions in the higher echelons of the market. The qualities of “The Big Three” from Rüsselsheim, such as impressive design, comfort, safety and technology, rivalled that of German premium brands. The new Insignia Grand Sport and Sport Tourer are worthy successors to this proud flagship tradition.

### **The KAD series: The “Big Three” from Rüsselsheim**

The ranking order in the premium class was determined by equipment and engine size. The **Kapitän** and **Admiral** initially came with Opel’s proven 100 hp, 2.6-litre six-cylinder engine, which was fitted with maintenance-free hydraulic tappets for the first time. Another new feature was the fully synchronized, four-speed manual gear shift on the steering column. A sporty two-speed automatic “on the floor” was offered at extra cost. A dual-circuit braking system with front disc brakes came as standard.

The **Diplomat’s** engine was sourced from the United States. The flagship of the KAD series featured a 4.6-litre V8 with 190 hp. While the Kapitän and Admiral had a top speed of 155 km/h, the Diplomat achieved 200 km/h and accelerated from zero to 100 km/h in 11 seconds. Luxury, elegance and character were the Diplomat’s distinguishing features; the interior was dominated by deep-pile carpets, plush upholstery and a real-wood veneer dashboard. A vinyl roof, reclining seats, four electric windows and foot-well lights in the rear passenger compartment were among the exclusive details.

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